



Client: Welcome Break

External Lighting Impact Assessment for the Development at
Stretton Point, Hinckley, LE10 3JA

July 2023

Client: **Welcome Break**

External Lighting Assessment for the Development at Contents Amendment Record

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Herrington Consulting Limited

Canterbury Office

Unit 6 – Barham Business Park
Elham Valley Road
Barham
Canterbury
Kent, CT4 6DQ
Tel +44 (0)1227 833855

London Office

Unit 52.11 Woolyard
52 Bermondsey Street
London
SE1 3UD

www.herringtonconsulting.co.uk

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Contents

1	Background and Scope of Appraisal	1			
1.1	Study Objectives	1			
1.2	Site Location	1			
1.3	The Development	1			
2	Policy and Guidance	2			
2.1	Legislation	2			
2.2	National Planning Policy	2			
2.3	Local Planning Policy	2			
2.4	Best Practice Guidance	3			
3	Assessment Methodology	4			
3.1	Baseline Conditions	4			
3.2	Numerical Modelling	5			
3.3	Lighting Assessments Requirements	5			
3.4	Calculation Assumptions	6			
4	Existing Site Conditions	7			
4.1	Baseline Conditions	7			
4.2	Sensitive Receptors (Windows)	7			
4.3	Sensitive Receptors (Ecology)	8			
4.4	Wider Surroundings	8			
4.5	Sensitive Receptors (Road Users)	8			
5	The Proposed Lighting Scheme	9			
5.1	Performance Criteria	9			
5.2	Strategy for Minimising the Impact of the Lighting Scheme	9			
5.3	Scheme Description	9			
5.4	Lighting Control	10			
5.5	Surfaces and Reflectance	10			
5.6	Lamp Colour Temperature	10			
5.7	Demolition and construction	10			
6	Assessment of the Impact of the Lighting Scheme	11			
6.1	Review of Compliance	11			
6.2	Visual Amenity	14			
6.3	Ecological Receptors	14			
6.4	Road Users	15			
6.5	Operation	15			
7	Conclusions	17			
A	Appendices	18			

1 Background and Scope of Appraisal

1.1 Study Objectives

Herrington Consulting has been commissioned by Welcome Break to assess the potential effects from obtrusive light that may arise from the external lighting which will form part of the proposed development at

The key objectives of the assessment are to:

- identify potential existing obtrusive light sources within and around the development site;
- quantify the baseline conditions
- quantify the potential effect of the development on sensitive receptors as a result of light spill from the proposed development;
- provide advice on measures to minimise obtrusive light from the development.

1.2 Site Location

The site is situated adjacent to the junction where the M69 and A5 intersect and is located within both Rugby Borough Council and Hinckley and Bosworth Borough Council. The location of the site is shown in Figure 1.1 and the site plan included in Appendix A.1 of this report gives a more detailed reference to the site location and layout.

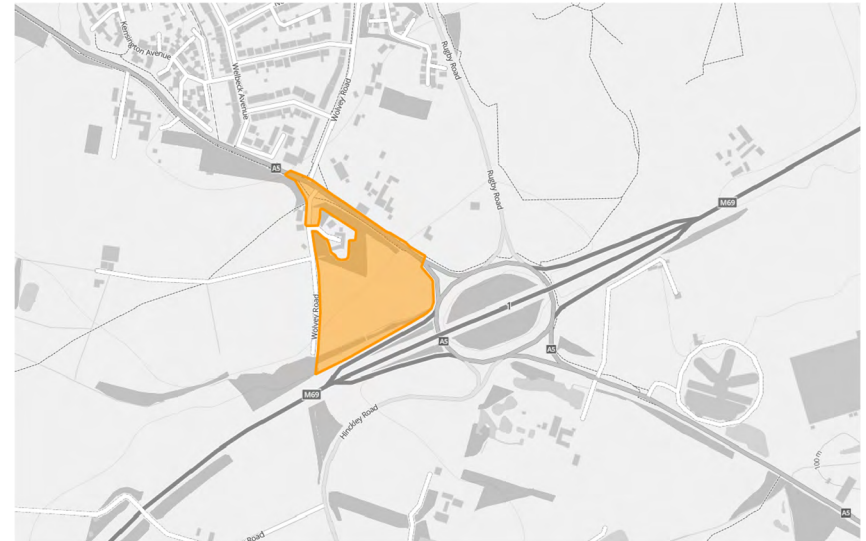


Figure 1.1 – Location map (Contains Ordnance Survey data © Crown copyright and database right 2011)

1.3 The Development

The proposal for development includes the construction of a 24-hour road related service facility. Drawings of the proposed scheme are included in Appendix A.1 of this report.

2 Policy and Guidance

2.1 Legislation

The legislation governing light pollution is the Planning (Clean Neighbourhoods and Environment) Act 2005. It applies to “artificial light emitted from premises so as to be prejudicial to health or a nuisance”. The relevant section is 102.

Section 102 defines the premises to which the act applies and to those which are exempt.

2.2 National Planning Policy

National Planning Policy Framework (Revised July 2021)

The revised National Planning Policy Framework sets out government's planning policies for England and how these are expected to be applied.

Paragraph 185, under ‘Conserving and enhancing the natural environment’, states that ‘Planning policies and decisions should also ensure that new development is appropriate for its location taking into account the likely effects (including cumulative effects) of pollution on health, living conditions and the natural environment, as well as the potential sensitivity of the site or the wider area to impacts that could arise from the development. In doing so they should: (c) limit the impact of light pollution from artificial light on local amenity, intrinsically dark landscapes and nature conservation.’

Amongst other pollution sources, planning policies are required to limit the impact of light pollution from artificial light on local amenity, intrinsically dark landscapes and nature conservation..

2.3 Local Planning Policy

Hinckley and Bosworth Borough Council Local Plan 2006-2026

13.51 Light pollution (also known as obtrusive light) is caused by excessive artificial light being directed into the night sky. Outdoor lighting can cause intrusive and unnecessary light pollution in urban, suburban and rural areas, although it is in the countryside that light pollution is most noticeable. Excessive artificial light at night is visually intrusive impacting on local amenity, intrinsically dark landscapes, nature conservation and can cause physiological problems, in addition to it being a significant waste of energy. It is therefore vital to ensure appropriate controls on external lighting to avoid or mitigate against these adverse effects.

13.52 The Guidance Notes for the Reduction of Obtrusive Light (2011) highlight the elements of obtrusive light which cause the greatest impact. These are defined as:

- Sky Glow, which is the brightening of the night sky;
- Glare, the uncomfortable brightness of a light source when viewed against a darker background; and
- Light Intrusion, the spilling of light beyond the boundary of the area being lit.

13.53 The Light Zone Map illustrates the environmental zones for exterior lighting control to which this policy relates. It illustrates four zones to which differing levels of light would be acceptable. These zones correspond to those identified in the Guidance Notes for the Reduction of Obtrusive Light (2011). The recommended

light levels identified for each zone within the guidance both pre curfew (before 23:00 Hrs) and post curfew should be followed and applied as part of this policy.

Rugby Borough Council Local Plan

There is no specific guidance relating to light pollution in the Rugby Borough Council Local Plan.

2.4 Best Practice Guidance

The following two guidance documents have been referenced whilst undertaking this assessment:

- The Institute of Lighting Professionals (ILP formally the ILE), GN01:2021 Guidance note on the reduction of obtrusive light.
- ILP Guidance Note 08/18 - Bats and artificial lighting in the UK
- The Society of Light and Lighting (SLL) Lighting Handbook
- South Downs National Park Dark Skies Technical Advice Note (April 18)

3 Assessment Methodology

3.1 Baseline Conditions

A desktop review of the development site and surrounding area has been undertaken to identify potential light sensitive receptors. The following sources of information were used in identifying potential sensitive receptors:

- Ordnance Survey mapping
- Aerial photography
- Google Street View
- Defra MAGIC online mapping resource (Multi-Agency Geographic Information for the Countryside)
- Rugby Borough Council and Hinckley and Bosworth Borough Council PROW mapping,

For exterior lighting control, it is normal practice in most areas outside of National Parks and designated Dark Sky areas for development areas to be classified as one of five environmental zones using the information summarised in Table 3.1.

The site is located at the intersection of the A5 and M69 to the south of the town of Hinckley. While Hinckley itself would be considered 'suburban', the site is located in a more sparsely inhabited area and is separated from Hinckley by the A5. Notwithstanding this, the adjacent A5 and M69 slip road are both street lit.

Furthermore, reference to light pollution mapping and the SQM values for this location, do suggest that this area could be considered as 'rural' from a light emission basis.

Therefore, in taking a conservative approach, the Environmental Zone classification for setting baseline conditions has been taken as Zone E2 (Rural).

It is recommended that Local Planning Authorities specify the environmental zones summarised in Table 3.1 for exterior lighting control within their Development Plans.

Environ- mental Zone	Surrounding	Lighting Environment	Examples
E0	Protected	Dark (SQM 20.5+)	Astronomical Observable dark skies, UNESCO starlight reserves, IDA dark sky places
E1	Natural	Dark (SQM 20 to 20.5)	Relatively uninhabited rural areas, National Parks, Areas of Outstanding Natural Beauty, IDA buffer zones etc.
E2	Rural	Low district brightness (SQM ~15 to 20)	Sparsely inhabited rural areas, village or relatively dark outer suburban locations
E3	Suburban	Medium district brightness	Well inhabited rural and urban settlements, small town centres of suburban locations
E4	Urban	High district brightness	Town / City centres with high levels of night-time activity

Table 3.1 – Environmental Zones

3.2 Numerical Modelling

The impact of the proposed external lighting scheme has been numerically modelled using the Relux software application – version 2022.3.7.0. This is a high-performance application for simulating artificial light and allows potential light spill to be accurately predicted.

A typical view of the 3D model used for the analysis is shown in Figure 3.1.

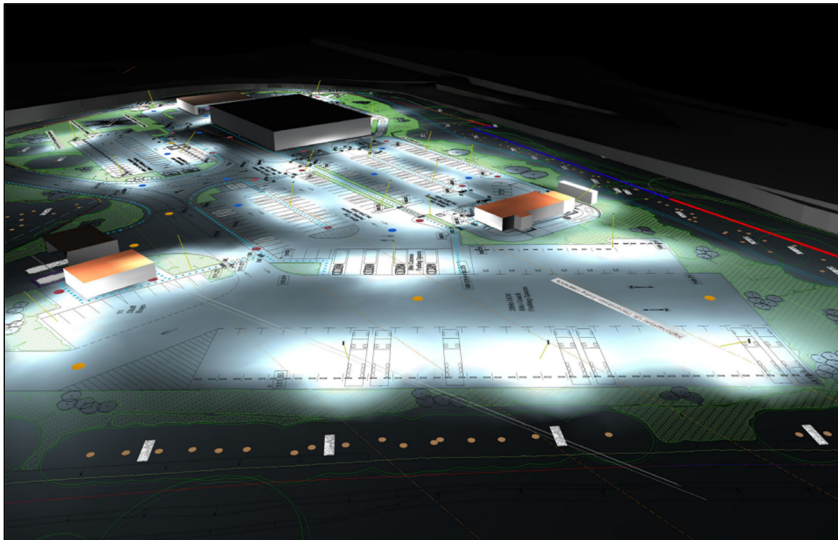


Figure 3.1 – Image from Relux 3D model showing proposed development.

3.3 Lighting Assessments Requirements

The ILP Environmental Zone classification determines the obtrusive light limitations for exterior lighting installations for each particular zone. The key objectives being to:

- Limit values for vertical illuminance on windows of neighbouring dwellings;
- Limit values for light source intensity in a potentially obtrusive direction such as towards a house or garden;
- Limit values on the luminance of floodlit buildings;
- Limit values on upward light ratio from the installation, in order to reduce upward light that causes sky glow, making it difficult to see the stars.

The specification of the limits for each ILP Environmental Zone are reproduced from the ILP guide (2021) in Table 3.2.

From Table 3.2 it can be seen that the concept of a curfew is introduced, where lighting is switched off or reduced at set times. Guidance suggests typical curfew times between 23:00hrs and dawn to save energy when lighting is not actually needed. However, for the more sensitive environmental zones, the curfew time for the control of obtrusive light is defined as the point of astronomical darkness. The time of astronomical darkness varies throughout the year, but marks the point at which dark skies are defined. In intrinsic skies a value of 20.0 to 20.5 Lux is often used as a threshold for the evening curfew. During the summer months where astronomical darkness is not achieved, then 21:00hrs should be used as the curfew time.

Environ- mental Zone	Upward light output ratio (%)	Vertical illuminance on windows (lux)		Luminaire intensity (cd)		Average building luminance pre-curfew (cd/m2)
		Pre- curfew	Post- curfew	Pre- curfew	Post- curfew	
E0	0	0	0	0	0	<0.1
E1	0	2	0 (1*)	2,500	0	<0.1
E2	2.5	5	1	7,500	500	5.0
E3	5	10	2	10,000	1,000	10.0
E4	15	25	5	25,000	2,500	25.0

Table 3.2 – ILP Environmental Zones

* Permitted only from Public road lighting installations

3.4 Calculation Assumptions

As with any numerical analysis, it is necessary to make assumptions with regards to some of the environmental constraints to the model and the baseline parameter used in simulating the lighting conditions. For this study, the following assumptions have been made:

- All background lighting is ignored, i.e. off-site streetlighting and other lighting sources are not included in the model. This ensures that the impacts of the proposed lighting scheme are isolated from the background lighting.
- Trees and vegetation are not included in the model. This represents the worst-case in terms of the assessment of off-site impacts.
- When assessing PIR operated luminaires, these have been modelled as being permanently turned on.

- Specification and levels of illuminance are based on what is likely to occur on 'day 1' of operation.

Note - In installations that involve lighting poles, towers or columns, the luminaires will often be viewed against the night sky. The contrast between the background sky and the bright surface areas of the luminaires can be considerable. In such installations the curfew levels set for each environmental zone shall be applied, with the exception that such installations within an E4 zone will be designed to suit the curfew requirements of an E3 zone.

4 Existing Site Conditions

4.1 Baseline Conditions

The site is a greenfield site with no existing lighting. There are 5no. residential dwellings (Stretton Croft) within the northern part of the site that are assumed to contain their own external lighting sources. The A5 and M69 surround the site and both of these roads contain regular street lighting in this area.

4.2 Sensitive Receptors (Windows)

The existing sensitive receptors have been identified and are listed below.

House 1	– windows in south facing elevation
House 3	– windows in south facing elevation
House 4	– windows in east facing elevation
	– windows in south facing elevation
	– windows in west facing elevation
House 6	– windows in south facing elevation
House 7	– windows in south facing elevation
House 8	– windows in south facing elevation
House 9	– windows in south facing elevation
House 10	– windows in south facing elevation
House 11	– windows in south facing elevation

House 12	– windows in east facing elevation
	– windows in south facing elevation
House 13	– windows in south facing elevation
House 14	– windows in south facing elevation
House 15	– windows in south facing elevation
House 16	– windows in south facing elevation
House 17	– windows in south facing elevation
House 18	– windows in south facing elevation
House 19	– windows in south facing elevation
Burbage Designers	– windows in east facing elevation
	– windows in south facing elevation
House 26	– windows in east facing elevation
	– windows in south facing elevation
House 27	– windows in south facing elevation
House 28	– windows in east facing elevation
	– windows in south facing elevation
House 29	– windows in east facing elevation
	– windows in south facing elevation
House 30	– windows in east facing elevation
	– windows in south facing elevation

- House 31
- windows in east facing elevation
 - windows in south facing elevation

4.3 Sensitive Receptors (Ecology)

There are existing areas of trees in the northern part of the site and this will serve as habitat to birds and insects etc. These could be impacted by light spill from the development and therefore the additional luminance resulting from the development will be assessed at locations where the site borders areas of potential ecological sensitivity.

The preliminary ecology survey has identified that the site has moderate potential to support foraging and commuting bats. If the bat activity transects (to be completed) identify the site as being an important foraging and commuting route, dark corridors should be maintained around the site.

4.4 Wider Surroundings

Typically, the impact of an external lighting scheme on its wider surroundings is only considered to be a material consideration when it is located in a rural setting such as an Area of Outstanding Natural Beauty (AONB) or a National Park for example. In such cases it is good practice to consider the appearance of the lighting scheme from prominent public viewpoints. In most cases Public Right of Ways (PROW) are used to identify key viewpoints that look upon the site, but reference to Ordnance Survey mapping also helps to highlight prominent viewpoints in the landscape.

For this study, reference to OS mapping and the Warwickshire Public Rights of Way Map, the closest PROW is footpath 276/R6/1 located approximately 50m northwest of the site off Wolvey Road. The site is located within an area that is predominantly street lit, it is therefore anticipated that the addition of an external lighting scheme of similar scale will not stand out in the nighttime landscape. It is therefore concluded that the impact of the scheme on the wider surroundings will be **negligible**.

4.5 Sensitive Receptors (Road Users)

Whilst not identified as a specific receptor in the ILP GN01:2111 guidance and methodology for lighting impacts, it is acknowledged that the external lighting scheme for the development will be visible to drivers on the adjacent road. This potential impact is therefore considered in the following section of this report.

5 The Proposed Lighting Scheme

5.1 Performance Criteria

Development proposals located in the E2 Rural Environmental Zone are required to meet the specific ILP Guidance Criteria. These are defined as follows:

Upward light ratio (fraction of light going directly to the sky) = 2.5 %

Maximum illuminance at windows = 5.0 lux pre-curfew and 1.0 lux post-curfew

Maximum source (luminaire) intensity when viewed from a neighbouring house or garden = 7500 cd pre-curfew and 500 cd post-curfew

Average luminance of a floodlit building = 5.0 cd/m².

Other criteria that have been used to guide the lighting scheme are based on the presumption that generally, domestic task lighting is considered excessive when;

- The output of a single light or cumulative number of lights illuminating one task area exceeds 1,500 lumens or;
- the total light out of the property exceeds 4,500 lumens or;
- a surface illuminance over 5 lux in the immediate task area is required; and
- any single LED floodlight exceeds 15W.

5.2 Strategy for Minimising the Impact of the Lighting Scheme

Careful consideration has been given to reducing obtrusive light during the night and the visual impact of the lighting scheme during the day, whilst maintaining an adequate level of illuminance for its application on the site. Particular attention has been paid to minimising any intrusion, glare or sky glow produced by the scheme.

To achieve this, all lighting will be directed away from the sensitive receptors identified in Section 4.2 to prevent obtrusive light (glare or intrusion) adversely affecting them.

To achieve the performance criteria for upward light ratio (2.5%) and this minimise sky glow, all luminaires will be full cut-off units with cut-off angles equal to zero.

5.3 Scheme Description

At the time of undertaking this assessment, specific or detailed lighting scheme information was not available. Therefore, modelling undertaken has been based upon an assumed lighting scheme.

Whilst the guiding design principles that have been adopted are to satisfy the performance criteria set out in 5.1 above, the outline design has been informed by key performance criteria. These are based on typical outline design requirements for a parking area, which recommend a maintained illuminance of 5 lux and a uniform ratio of 0.25.

To achieve this design criteria, the adopted outline scheme design used for simulation purposes comprises the following:

- 21 no. streetlamps (9610 lumens each) mounted on 6m poles. These have been located throughout the parking area at regular intervals to achieve the minimum design requirements.

5.4 Lighting Control

Whilst it is recognised that the proposals are for a 24-hour service station, incorporating lighting control focused on adjusting the light levels based on the time of day can reduce the impact of obtrusive light. This can be achieved through simple time clocks and possibly photocells within the luminaires.

5.5 Surfaces and Reflectance

Controlling the light which is emitted directly into the night sky is achievable through careful positioning and selection of products. However, the light which arrives at the ground can be reflected back up into the night sky. Reducing the reflectance of the ground surface will reduce the reflected light.

5.6 Lamp Colour Temperature

The lamp colour temperature required to light an area changes with the time of day. It is generally accepted that 4000° Kelvin lamps are appropriate during the day. However, 4000° Kelvin lamps at night can appear stark and will make a building stand out in the landscape compared with a warmer colour temperature lamp.

The proposal is to use very warm colour lamps for the external spaces, as low as 2200° Kelvin. These will allow good definition of the local area to allow safe and easy movement around the outside of the service station, but will reduce the stark and sharp appearance of the lighting thus reducing unwanted reflection.

5.7 Demolition and construction

During the construction phase of development the site will be required to have the necessary safety and security lighting. The aiming of floodlights and selection of floodlights, spotlights etc will be critical to minimise light nuisance. Lamps with a down light component only will be used and switched off when not required for site safety or security.

6 Assessment of the Impact of the Lighting Scheme

6.1 Review of Compliance

Based on the target criteria set out in Section 5 of this report an outline lighting scheme has been derived. This is considered to represent the maximum external lighting requirements for a property of this scale and nature. The purpose of producing an outline lighting design is so that this can be numerical modelled. In this way it is possible to calculate potential light spill onto horizontal and vertical surfaces around the site.

The calculation model was prepared using industry standard software, Relux. The results of the analysis are included in the appendix to this report and from these it can be seen that adequate levels of lighting have been achieved on the site with minimal effect on the surrounding area.

The key outputs from this process are highlighted on the illuminance contour plans and the illuminance values for the sensitive receptors identified in Section 4.2.

The four specific performance criteria for development proposals located in the E2 Environmental Zone as set out within the ILP Guidance document are discussed below.

Upward light ratio – This criterion seeks to limit the fraction of light going directly to the sky to 2.5%.

By comparing the illuminance recorded at a reference plane above the site with the total luminous flux of the lighting scheme, the ULR is calculated. The results from this analysis show an average illuminance over a 700m x 700m grid located 500m above the site of 0.01 Lux. When this is represented as a percentage of total luminous flux of the street lamps, the percentage that is measured above the site is 2.1%. This is below the 2.5% threshold for an E2 Environmental Zone and therefore it can be concluded that the impact of the proposed development on sky glow will be **negligible**.

Maximum illuminance at windows – This criterion seeks to limit the illuminance to 5.0 lux pre-curfew and 1.0 lux post-curfew.

The specific sensitive receptors are summarised in Table 6.1 below, along with the maximum and average illuminance values calculated within the numerical model. The assessment areas used in the analysis represent the whole elevation in which the windows are located, and therefore where windows are located on ground and first floors, both are included within the whole elevation and the worst case (maximum illuminance) is reported.

Sensitive Receptor	Maximum Illuminance at Windows (Lux)
House 1	0.00
House 3	0.00
House 4	0.00
House 6	0.00
House 7	0.00
House 8	0.00
House 9	0.00
House 10	0.00
House 11	0.00
House 12	0.00
House 13	0.00
House 14	0.00
House 15	0.00
House 16	0.00
House 17	0.00
House 18	0.00
House 19	0.00
Burbage Designer	0.05
House 26	0.03
House 27	0.04
House 28	0.02
House 29	0.02
House 30	0.02
House 31	0.01

Table 6.1 – Vertical illuminance values to sensitive receptors

From Table 6.1 it can be seen that the maximum illuminance, measured at any of the neighbouring properties is 0.05 lux. This is well below both the pre-curfew and post-curfew thresholds and therefore it can be concluded that the illumination to the neighbouring windows will be **negligible**.

Maximum source (luminaire) intensity - This criterion seeks to limit the intensity of light from any given luminaire when viewed from a neighbouring house or garden. The pre-curfew threshold is 7500 cd and post-curfew threshold is 500 cd.

Luminaire intensity is measured as the intensity of light in a specified direction and this is calculated within the numerical model using luminous intensity measurement points. These record the intensity of light at that point from all of the luminaires in the model and the results are detailed below and in the appendix to this report.

Sensitive Receptor	Maximum Source Intensity (kcd)
House 1	0.000
House 3	0.000
House 4	0.000
House 6	0.000
House 7	0.000
House 8	0.000
House 9	0.000
House 10	0.000
House 11	0.000
House 12	0.000
House 13	0.000
House 14	0.000
House 15	0.000
House 16	0.000
House 17	0.000
House 18	0.000
House 19	0.000
Burbage Designer	1.021
House 26	1.277
House 27	1.349
House 28	1.305
House 29	1.255
House 30	1.240
House 31	1.197

Table 6.2 – Maximum Source Intensity

From Table 6.2 it can be seen that the maximum source intensity is recorded as being 1.349 kcd (1349 cd). Whilst this is well below the pre-curfew threshold, it does exceed the post-curfew threshold. Notwithstanding this, it is recognised that the residential properties at Stretton Croft are well screened by mature trees which are not considered as part of model. Therefore, these values represent the worst-case scenario and do not take into consideration the considerable screening provided by the existing mature trees that are to be maintained. Therefore, taking the above into consideration, the impact from luminaires resulting in excessive light intensity when viewed from a sensitive receptor is therefore considered to be **minimal**.

Providing there are no luminaires aimed directly at any of the sensitive receptors, this requirement will be met. It will therefore be a provision of the lighting scheme constraints that none of the luminaires will be aimed directly, or in close proximity to any windows of neighbouring building.

Average luminance of a floodlit building – This criterion seeks to ensure that any flooding of the building itself is limited to the threshold value. Given that in this instance this value is 5.0 cd/m², then effectively any building floodlights will be prohibited. Therefore the lighting scheme constraints will be specific in stating that floodlighting of building will not be permitted.

From the four specific performance criteria discussed above, it can be seen that based on the indicative lighting scheme that is proposed and based on the lighting scheme constraints set out in Section 5.3, the development proposals will meet the policy requirements for the E2 Environmental Zone.

6.2 Visual Amenity

As discussed in Section 4.4, the site is visible from the Public Footpath that heads southwest from Wolvey Road. The views of the application site are well screened by existing vegetation and in combination with the mitigation proposed, the impact of an external lighting scheme is not considered to represent an adverse impact when the scheme is viewed against the nighttime landscape.

The effect of obtrusive light from the proposed development on visual amenity is therefore considered to be **negligible**.

6.3 Ecological Receptors

Reference to the preliminary ecology survey highlights that if key foraging and commuting routes for bats are identified, dark corridors should be maintained around the site. It is however recognised that the bat activity transects have not yet been provided, and therefore the model adopts a conservative approach and assumes that bat commuting and foraging routes are identified at the very edges of the woodland areas, closest to the proposals.

Reference to the horizontal illuminance plot shown in Figure 6.1 shows that the illuminance on the ground close to the boundaries of the woodland area generally falls below 1.0 lux. This is in line with the 1.0 lux level that is typically used as a guideline in such circumstances.

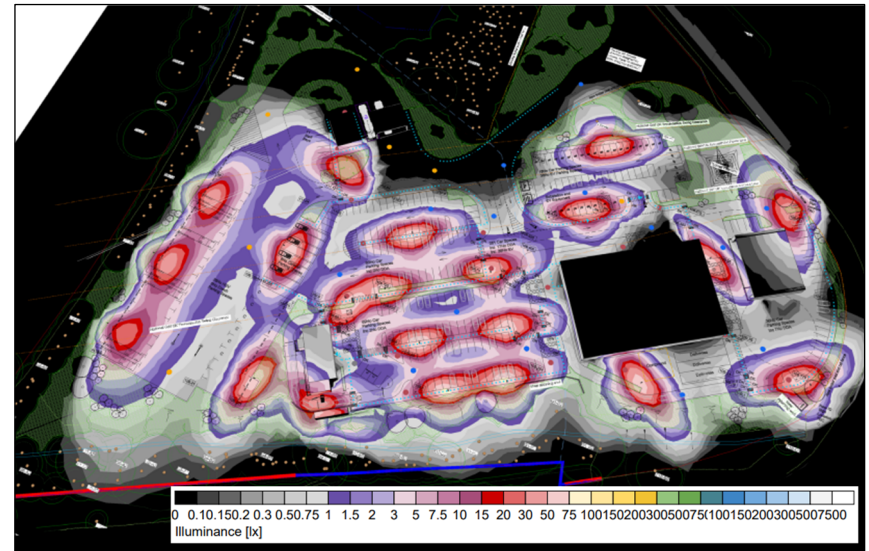


Figure 6.1 – Horizontal illuminance contours

The numerical model includes sensors to measure the vertical illuminance along the woodland boundary. These sensors are 3m high and extend along the full length of the woodland boundaries. The inclusion of these sensors allows the illuminance along the potential bat flight paths in the woodland areas to be calculated.

The detailed outputs from these sensors are included in the appendix to this report, however, in summary it can be seen that along the woodland boundaries the average illuminance does not exceed 0.88 lux.

Reference to the ILP Guidance Note 08/18 - Bats and artificial lighting in the UK document shows that for commuting bats, significant impacts have been

recorded from as low as 3.6 lux. This guidance goes on to note that the average light level on hedgerows most regularly used by Lesser horseshoe bats has been recorded at 0.45 lux.

Again, referencing the ILP Guidance, an appropriate level of illumination in a buffer, or sensitive zone would be below 0.2 lux on the horizontal plane and below 0.4 lux on the vertical plane.

When considering the illumination levels calculated along the woodland boundaries, it can be seen that the maximum illumination levels do in some instances exceed these values. Therefore, once the bat activity transects have been undertaken, it is recommended that the external lighting design is completed to accommodate the provision of dark corridors where any bat foraging and commuting routes are identified.

6.4 Road Users

Whilst the impact of glare from the lighting scheme impacting upon passing motorists is not considered to be overly significant in this situation, for completeness it has nevertheless been assessed as part of this study.

Using the Relux numerical model, it is possible to insert measurement points at key locations so that the luminous intensity can be measured.

The test that has been applied within the Relux model is the CIE Glare Rating (GR). In 1994, the CIE developed a glare evaluation method for outdoor sports lighting and area lighting applications. This system allows the physiological glare that is generated directly by the luminaires in an outdoor lighting system to be

determined using 'GR observers' within the model. These are deployed at the observation points within the model.

When examining the results of the glare analysis, it is necessary to understand how the GR values relate to the impact on a motorist. There are a number of ways in which these results can be interpreted; the first being the measure of discomfort experienced. Based on the assessment criteria developed for the CIE methodology, a GR value between 50 and 60 would represent a level of glare that is 'just admissible'. There are also guidelines on maximum GR values for a range of applications, or tasks. For normal traffic conditions, a maximum GL value of 45 is recommended.

From the results it can be seen that the maximum GR value is 43.8. This value is below the minimum recommended GR value specified by the CIE and therefore glare is not considered to represent any particular hazards to motorist.

6.5 Operation

The general design principles that have been incorporated into the Lighting Strategy in order to mitigate adverse effects of obtrusive light have included:

Orientation – lighting units should be angled so that no light is released above the horizontal. This involves use of a suitable luminaire, positioned at a height that is great enough to allow light to be directed downwards.

Placement – lighting should be located away from sensitive receptors wherever possible.

Reflectance – any high intensity lighting should be installed onto buildings or columns and directed to the area where the light is required, rather than facing a building façade which may be reflective and result in sky glow.

7 Conclusions

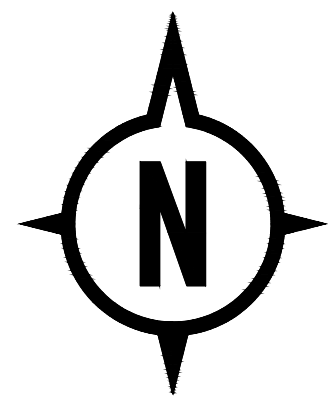
The detailed analysis undertaken as part of this assessment has examined the impact of the proposed development at Stretton Point, Hinckley on the sensitive receptors located in close proximity to the site. From this analysis it has been possible to conclude that with the inclusion of the recommended mitigation, the proposed external lighting scheme meets all of the assessment criteria set out within the Institute of Lighting Professionals (ILP formally the ILE), GN01:2111 Guidance note on the reduction of obtrusive light.

A Appendices

Appendix A.1 – Scheme Drawings

Appendix A.2 – Detailed Relux Calculation Outputs

Appendix A.1 – Scheme Drawings



Total Car Spaces - 251
inc:
DDA - 17 (inc EV)
EV- 38
Staff Parking - 11

HGV Parking - 28
Coach Parking - 6
Caravan Parking - 8

Key

- Ownership boundary
- Site boundary
Site Area 41,940.82sqm / 10.36acre
- Bitmac road finish
- Bitmac path finish
- Concrete pavements
- Concrete
- Concrete Apron
- Concrete Apron
Double reinforced concrete to delivery stand
- Kerb
- Pin Kerb
- Trief Kerb
- DK
Drop Kerb
- Stainless steel bollard
- Soft Landscaping
- Tree to be removed
- BWB Root Protection Area
- Tactile paving
- Timber knee rail
- 1.8m timber close boarded fence
- 2.0m timber acoustic fence
- Existing / proposed timber post and rail fence
- Suggested drainage route from Title Plan LT155479
- Non illuminated signage
- Non illuminated sign
NO ENTRY / GIVE WAY
- Proposed Level
- Pedestrian Route
Tactile paving and dropped kerbs at all appropriate points along the route to DDA standards within site demise

0m 10 20 30 40 50
Scale Bar

REVISIONS

CLIENT	WELCOME BREAK
PROJECT	WELCOME BREAK LAND OFF THE A5 HINCKLEY, LE10 3JB
TITLE	PROPOSED SITE LAYOUT
DATE	12.07.2023
SCALE	1:500 @ A1
JOB ID	1415
DWG	26

ADS
DESIGN

+44 (0)1943 464152
ADS-DESIGN.NET

Appendix A.2 – Detailed Relux Calculation Outputs

ELIA

Installation :

Project number : 3793 - Stretton point, Hinckley
Customer : Welcomebreak
Processed by : BW/VK
Date : 28.07.2023

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

RELUX®

1 Luminaire data

1.1 Cree Lighting, ENERGY DUE (TRMA-02-_-_-13L-228)

1.1.1 Data sheet

Manufacturer: Cree Lighting

CREE 
LIGHTING

TRMA-02-_-_-13L-228 Outdoor - Street Lighting ENERGY DUE

Designed as a complete street lighting system and optimized for LED light sources, it is distinguished by its extraordinary efficiency. Energy DUE provides the best lighting solution. Developed with three product sizes, four lumens package per size, a complete optical range, flux adjustment options and a wide range of light sources together with a comprehensive optical range, stand-alone flow control options and Zhaga connectivity. Energy can be mounted on a pole or bracket with an external diameter of 60mm, the adjustment ranges from -20° to + 110° with a scale of +/-20° and increments of 5°. Adjustments can be done from outside without having to open the product cover.

075

Narrow Street 0.75 (T2S)

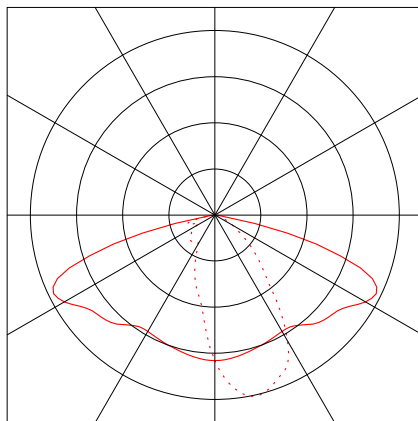
Luminaire data

Luminaire efficiency : 85.67%
Luminaire efficacy : 101.16 lm/W
Classification : A40 ↓100.0% ↑0.0%
CIE Flux Codes : 47 79 98 100 86
UGR 4H 8H : 37.7 / 28.2
Control gear : Electronic ballast
Power : 95 W
Luminous flux : 9610.5 lm

Equipped with

Quantity : 1
Designation : 13L - 28
Luxeon 50
Colour : 2200K
Luminous flux : 11218 lm
Colour reproduction : 80

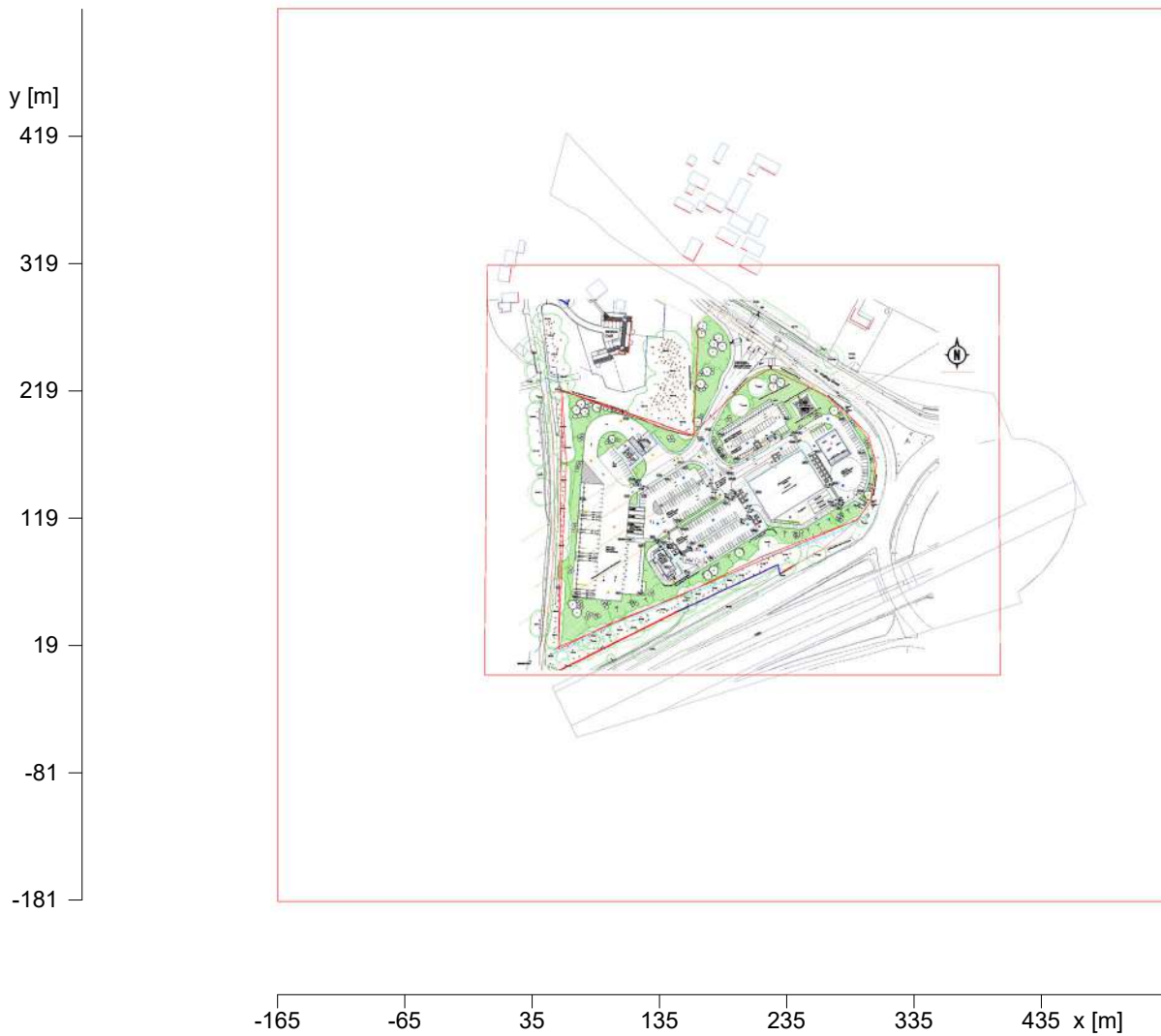
Dimensions : 630 mm x 244 mm x 100 mm



2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Floor plan



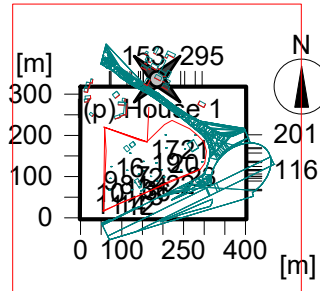
Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2 Exterior 1

2.2 Calculation results, Exterior 1

2.2.1 Luminous intensity - I(p) House 1



Measuring point for luminous intensity: I(p) House 1

Position : x = 185.68 m, y = 336.59 m, z = 1.55 m

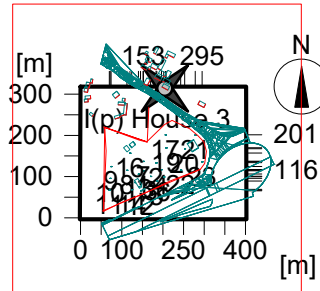
No.	Luminaire	Position			Lumin. intensity
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.2 Luminous intensity - I(p) House 3



Measuring point for luminous intensity: I(p) House 3

Position : x = 204.39 m, y = 313.79 m, z = 1.55 m

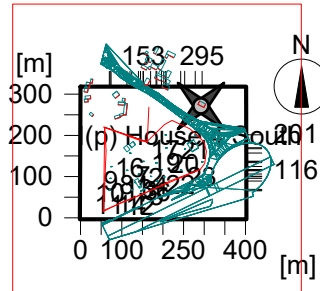
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.3 Luminous intensity - I(p) House 4 South



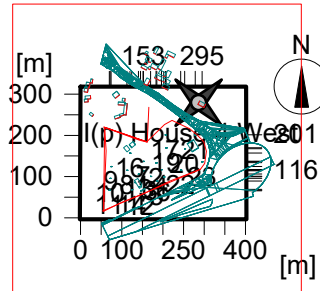
Measuring point for luminous intensity: I(p) House 4 South

Position : x = 292.21 m, y = 271.41 m, z = 1.55 m

No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

RELUX®

2.2.4 Luminous intensity - I(p) House 4 West



Position : x = 286.52 m, y = 279.49 m, z = 1.55 m

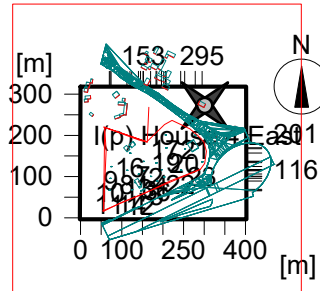
No.	Luminaire	Position		Lumin. intensity	
		x[m]	y[m]	z[m]	I[kcd]
1	ENERGY DUE, TRMA-02-_-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.5 Luminous intensity - I(p) House 4 East



Measuring point for luminous intensity: I(p) House 4 East

Position : x = 301.56 m, y = 272.20 m, z = 1.55 m

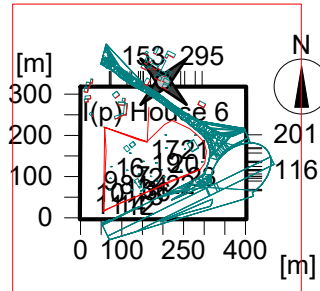
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.6 Luminous intensity - I(p) House 6



Measuring point for luminous intensity: I(p) House 6

Position : x = 201.32 m, y = 330.28 m, z = 1.55 m

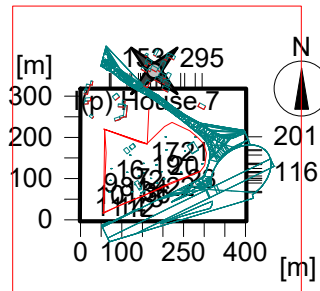
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.7 Luminous intensity - I(p) House 7



Measuring point for luminous intensity: I(p) House 7

Position : x = 178.69 m, y = 361.09 m, z = 1.55 m

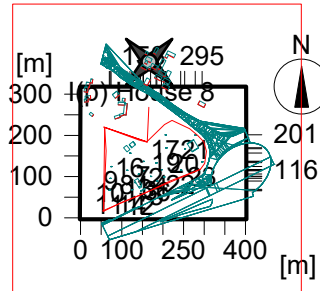
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.8 Luminous intensity - I(p) House 8



Measuring point for luminous intensity: I(p) House 8

Position : x = 166.61 m, y = 377.87 m, z = 1.55 m

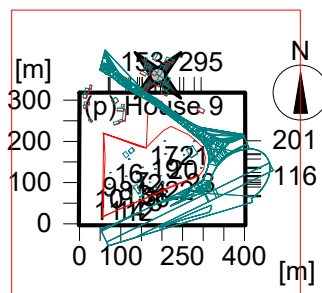
No.	Luminaire	Position			Lumin. intensity
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.9 Luminous intensity - I(p) House 9



Measuring point for luminous intensity: I(p) House 9

Position : x = 190.31 m, y = 360.12 m, z = 1.55 m

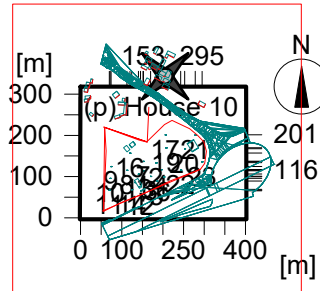
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.10 Luminous intensity - I(p) House 10



Measuring point for luminous intensity: I(p) House 10

Position : x = 205.14 m, y = 343.25 m, z = 1.55 m

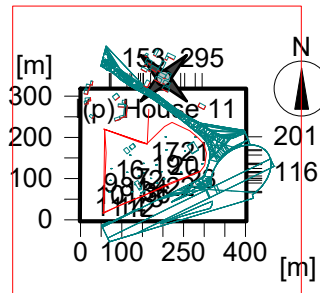
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.11 Luminous intensity - I(p) House 11



Measuring point for luminous intensity: I(p) House 11

Position : x = 201.65 m, y = 343.50 m, z = 1.55 m

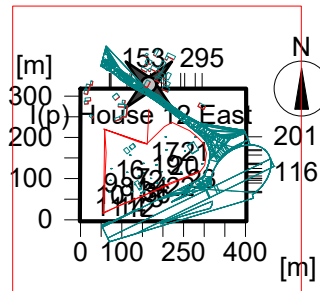
No.	Luminaire	Position			Lumin. intensity
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

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2.2 Calculation results, Exterior 1

2.2.12 Luminous intensity - I(p) House 12 East



Measuring point for luminous intensity: I(p) House 12 East

Position : x = 165.56 m, y = 327.91 m, z = 1.55 m

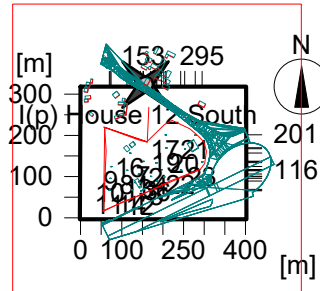
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.13 Luminous intensity - I(p) House 12 South



Measuring point for luminous intensity: I(p) House 12 South

Position : x = 157.37 m, y = 323.06 m, z = 1.55 m

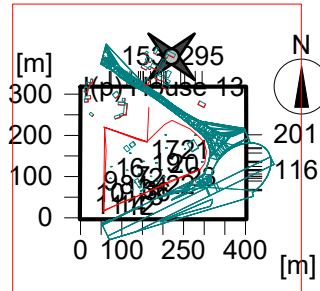
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.14 Luminous intensity - I(p) House 13



Measuring point for luminous intensity: I(p) House 13

Position : x = 220.76 m, y = 390.83 m, z = 1.55 m

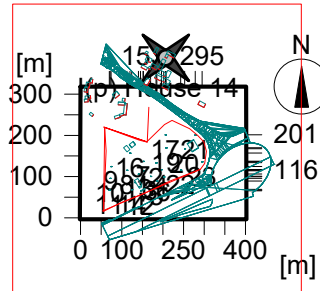
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.15 Luminous intensity - I(p) House 14



Measuring point for luminous intensity: I(p) House 14

Position : x = 206.96 m, y = 388.19 m, z = 1.55 m

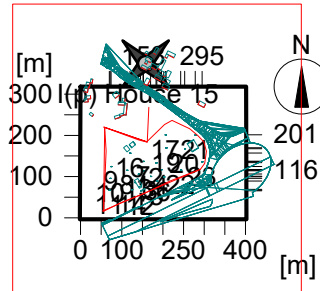
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.16 Luminous intensity - I(p) House 15



Measuring point for luminous intensity: I(p) House 15

Position : x = 158.02 m, y = 374.01 m, z = 1.55 m

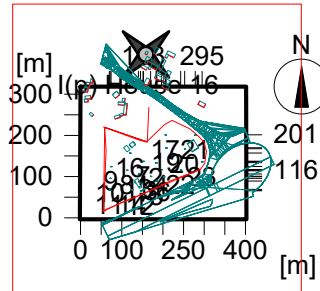
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.17 Luminous intensity - I(p) House 16



Measuring point for luminous intensity: I(p) House 16

Position : x = 158.61 m, y = 396.24 m, z = 1.55 m

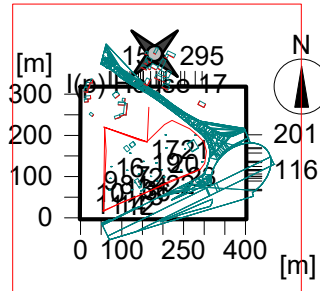
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.18 Luminous intensity - I(p) House 17



Measuring point for luminous intensity: I(p) House 17

Position : x = 179.79 m, y = 398.10 m, z = 1.55 m

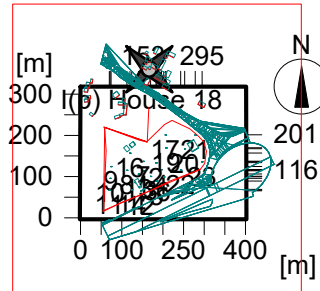
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.19 Luminous intensity - I(p) House 18



Measuring point for luminous intensity: I(p) House 18

Position : x = 166.66 m, y = 360.30 m, z = 1.55 m

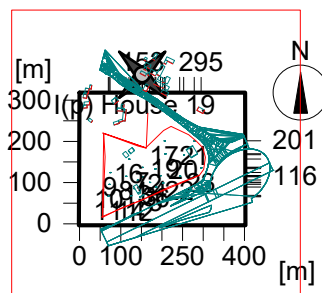
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.20 Luminous intensity - I(p) House 19



Measuring point for luminous intensity: I(p) House 19

Position : x = 152.14 m, y = 361.73 m, z = 1.55 m

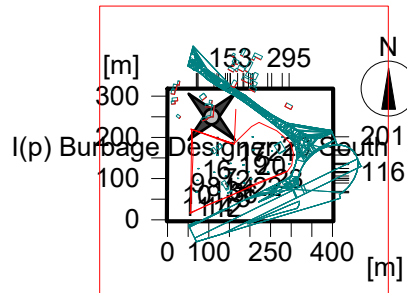
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.21 Luminous intensity - I(p) Burbage Designer 20 South



Measuring point for luminous intensity: I(p) Burbage Designer 20 South

Position : x = 107.15 m, y = 249.96 m, z = 1.55 m

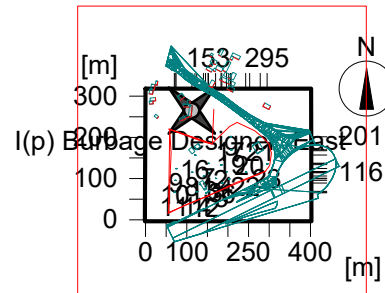
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	1.014
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.164
3	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.061
4	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.048
5	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.041
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.034
7	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.022
8	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.016
9	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.015
10	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.014
11	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.009
12	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.003
13	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.003
14	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.002
15	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.002
16	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.22 Luminous intensity - I(p) Burbage Designer East



Measuring point for luminous intensity: I(p) Burbage Designer East

Position : x = 112.26 m, y = 265.08 m, z = 1.55 m

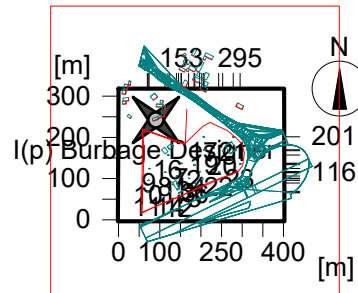
No.	Luminaire	Position			Lumin. intensity
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-_-13L-228	278.17	201.18	5.92	1.021
2	ENERGY DUE, TRMA-02-_-_-13L-228	183.25	133.76	5.91	0.165
3	ENERGY DUE, TRMA-02-_-_-13L-228	201.92	99.54	5.73	0.034
4	ENERGY DUE, TRMA-02-_-_-13L-228	196.24	117.25	5.73	0.021
5	ENERGY DUE, TRMA-02-_-_-13L-228	170.10	100.87	5.73	0.015
6	ENERGY DUE, TRMA-02-_-_-13L-228	207.56	170.10	5.95	0.014
7	ENERGY DUE, TRMA-02-_-_-13L-228	112.62	115.65	5.91	0.012
8	ENERGY DUE, TRMA-02-_-_-13L-228	140.58	106.16	5.73	0.009
9	ENERGY DUE, TRMA-02-_-_-13L-228	124.23	68.96	5.73	0.009
10	ENERGY DUE, TRMA-02-_-_-13L-228	152.52	137.18	5.90	0.003
11	ENERGY DUE, TRMA-02-_-_-13L-228	151.74	114.24	5.91	0.003
12	ENERGY DUE, TRMA-02-_-_-13L-228	185.04	89.38	5.73	0.002
13	ENERGY DUE, TRMA-02-_-_-13L-228	205.85	201.37	5.73	0.001
14	ENERGY DUE, TRMA-02-_-_-13L-228	119.97	157.06	5.73	0.000
15	ENERGY DUE, TRMA-02-_-_-13L-228	74.20	124.73	5.92	0.000
16	ENERGY DUE, TRMA-02-_-_-13L-228	69.86	67.32	5.74	0.000
17	ENERGY DUE, TRMA-02-_-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-_-13L-228	71.79	95.93	5.92	0.000
19	ENERGY DUE, TRMA-02-_-_-13L-228	145.54	65.67	5.74	0.000
20	ENERGY DUE, TRMA-02-_-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.23 Luminous intensity - I(p) Burbage Designer



Measuring point for luminous intensity: I(p) Burbage Designer

Position : x = 90.81 m, y = 242.04 m, z = 1.50 m

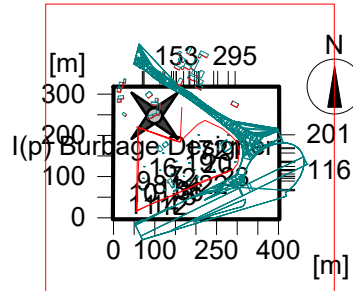
No.	Luminaire	Position		Lumin. intensity	
		x[m]	y[m]	z[m]	I[kcd]
1	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.989
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.171
3	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.034
4	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.026
5	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.022
6	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.020
7	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.020
8	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.016
9	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.014
10	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.009
11	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.007
12	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.005
13	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.003
14	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.002
15	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.24 Luminous intensity - I(p) Burbage Designer



Measuring point for luminous intensity: I(p) Burbage Designer

Position : x = 99.85 m, y = 247.37 m, z = 1.55 m

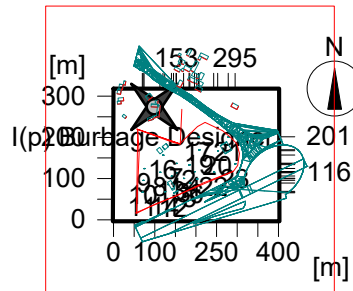
No.	Luminaire	Position			Lumin. intensity
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	1.006
2	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.900
3	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.167
4	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.041
5	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.035
6	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.032
7	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.030
8	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.022
9	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.015
10	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.014
11	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.009
12	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.003
13	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.003
14	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.002
15	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.002
16	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.25 Luminous intensity - I(p) Burbage Designer



Measuring point for luminous intensity: I(p) Burbage Designer

Position : x = 98.92 m, y = 273.89 m, z = 1.55 m

No.	Luminaire	Position		Lumin. intensity	
		x[m]	y[m]	z[m]	I[kcd]
1	ENERGY DUE, TRMA-02-_-_-13L-228	151.74	114.24	5.91	0.000
2	ENERGY DUE, TRMA-02-_-_-13L-228	183.25	133.76	5.91	0.000
3	ENERGY DUE, TRMA-02-_-_-13L-228	170.10	100.87	5.73	0.000
4	ENERGY DUE, TRMA-02-_-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-_-13L-228	74.20	124.73	5.92	0.000
10	ENERGY DUE, TRMA-02-_-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-_-13L-228	205.85	201.37	5.73	0.000
17	ENERGY DUE, TRMA-02-_-_-13L-228	207.56	170.10	5.95	0.000
18	ENERGY DUE, TRMA-02-_-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-_-13L-228	294.80	136.21	5.91	0.000

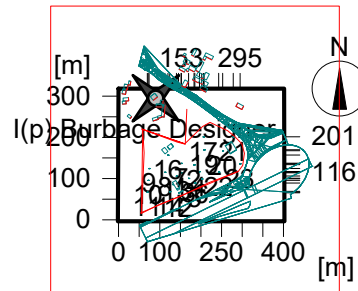
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Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

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2.2 Calculation results, Exterior 1

2.2.27 Luminous intensity - I(p) Burbage Designer



Measuring point for luminous intensity: I(p) Burbage Designer

Position : x = 90.54 m, y = 295.09 m, z = 3.05 m

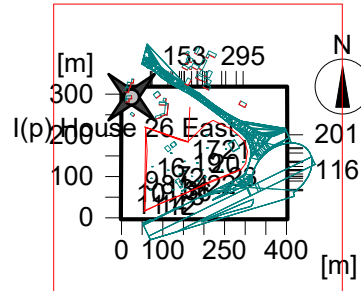
No.	Luminaire	Position			Lumin. intensity
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.847
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.151
3	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.028
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.016
5	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.011
6	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.009
7	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.008
8	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.007
9	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.007
10	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.005
11	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.004
12	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.002
13	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.001
14	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
15	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.28 Luminous intensity - I(p) House 26 East



Measuring point for luminous intensity: I(p) House 26 East

Position : x = 24.59 m, y = 292.71 m, z = 3.05 m

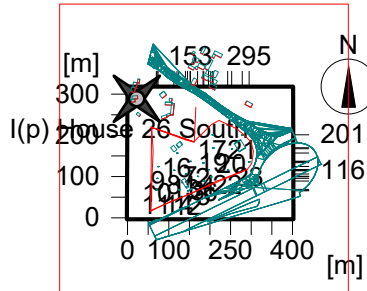
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	1.268
2	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.886
3	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.157
4	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.027
5	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.016
6	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.011
7	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.011
8	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.008
9	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.005
10	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.003
11	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.001
12	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.001
13	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.001
14	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
15	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.001
16	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.29 Luminous intensity - I(p) House 26 South



Measuring point for luminous intensity: I(p) House 26 South

Position : x = 22.40 m, y = 288.70 m, z = 3.05 m

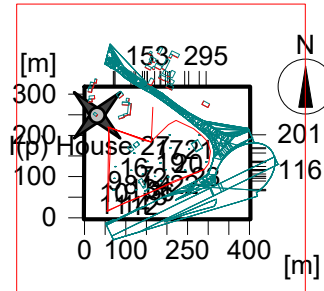
No.	Luminaire	Position			Lumin. intensity
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	1.277
2	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.886
3	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.158
4	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.027
5	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.016
6	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.013
7	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.011
8	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.011
9	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.005
10	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.003
11	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.001
12	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.001
13	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
14	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.001
15	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.001
16	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.30 Luminous intensity - I(p) House 27



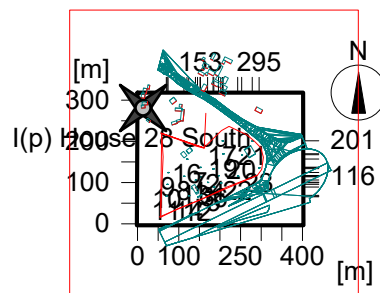
Measuring point for luminous intensity: I(p) House 27

Position : x = 30.63 m, y = 248.89 m, z = 2.50 m

No.	Luminaire	Position			Lumin. intensity
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	1.349
2	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.912
3	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.174
4	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.042
5	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.028
6	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.018
7	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.014
8	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.012
9	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.007
10	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.005
11	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.004
12	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.002
13	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.002
14	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
15	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.001
16	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

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2.2.32 Luminous intensity - I(p) House 28 South



Position : $x = 13.64 \text{ m}$, $y = 281.01 \text{ m}$, $z = 3.05 \text{ m}$

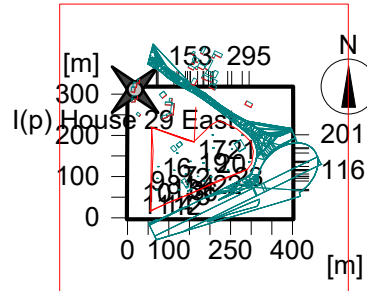
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-_-13L-228	145.54	65.67	5.74	1.305
2	ENERGY DUE, TRMA-02-_-_-13L-228	278.17	201.18	5.92	0.882
3	ENERGY DUE, TRMA-02-_-_-13L-228	183.25	133.76	5.91	0.162
4	ENERGY DUE, TRMA-02-_-_-13L-228	201.92	99.54	5.73	0.027
5	ENERGY DUE, TRMA-02-_-_-13L-228	119.97	157.06	5.73	0.025
6	ENERGY DUE, TRMA-02-_-_-13L-228	196.24	117.25	5.73	0.016
7	ENERGY DUE, TRMA-02-_-_-13L-228	207.56	170.10	5.95	0.012
8	ENERGY DUE, TRMA-02-_-_-13L-228	170.10	100.87	5.73	0.011
9	ENERGY DUE, TRMA-02-_-_-13L-228	152.52	137.18	5.90	0.001
10	ENERGY DUE, TRMA-02-_-_-13L-228	151.74	114.24	5.91	0.001
11	ENERGY DUE, TRMA-02-_-_-13L-228	205.85	201.37	5.73	0.001
12	ENERGY DUE, TRMA-02-_-_-13L-228	185.04	89.38	5.73	0.001
13	ENERGY DUE, TRMA-02-_-_-13L-228	140.58	106.16	5.73	0.001
14	ENERGY DUE, TRMA-02-_-_-13L-228	112.62	115.65	5.91	0.000
15	ENERGY DUE, TRMA-02-_-_-13L-228	124.23	68.96	5.73	0.000
16	ENERGY DUE, TRMA-02-_-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-_-13L-228	69.86	67.32	5.74	0.000
18	ENERGY DUE, TRMA-02-_-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-_-13L-228	71.79	95.93	5.92	0.000
20	ENERGY DUE, TRMA-02-_-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.33 Luminous intensity - I(p) House 29 East



Measuring point for luminous intensity: I(p) House 29 East

Position : x = 18.29 m, y = 310.83 m, z = 3.05 m

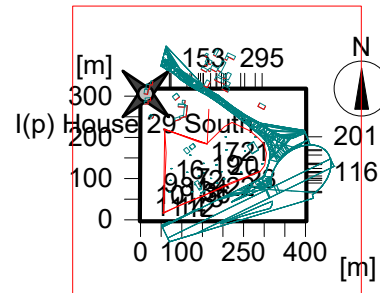
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	1.255
2	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.857
3	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.155
4	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.027
5	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.015
6	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.011
7	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.010
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.005
9	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.003
10	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.003
11	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.001
12	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.001
13	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.001
14	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
15	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.34 Luminous intensity - I(p) House 29 South



Measuring point for luminous intensity: I(p) House 29 South

Position : x = 12.88 m, y = 305.22 m, z = 3.05 m

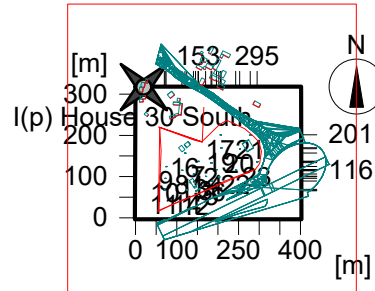
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.870
2	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.011
3	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.000
5	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.000
6	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.000
7	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.000
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.000
9	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.000
10	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
11	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
12	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	0.000
13	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.35 Luminous intensity - I(p) House 30 South



Measuring point for luminous intensity: I(p) House 30 South

Position : x = 20.09 m, y = 316.91 m, z = 3.05 m

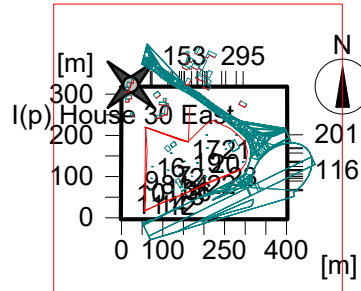
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	1.240
2	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.855
3	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.155
4	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.027
5	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.015
6	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.010
7	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.010
8	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.005
9	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.003
10	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.001
11	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.001
12	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.001
13	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
14	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.36 Luminous intensity - I(p) House 30 East



Measuring point for luminous intensity: I(p) House 30 East

Position : x = 22.63 m, y = 322.75 m, z = 3.05 m

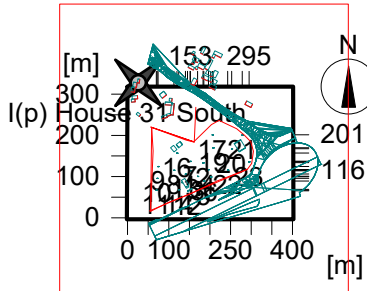
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	1.221
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.154
3	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.027
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.015
5	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.010
6	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.010
7	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.005
8	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.003
9	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.002
10	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.001
11	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.001
12	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
13	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.37 Luminous intensity - I(p) House 31 South



Measuring point for luminous intensity: I(p) House 31 South

Position : x = 26.29 m, y = 327.35 m, z = 3.05 m

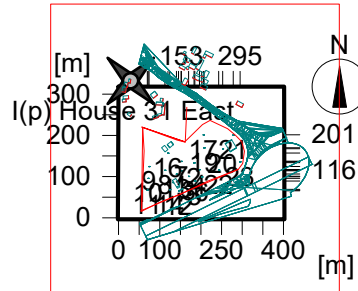
No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	1.197
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.154
3	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.027
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.016
5	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.010
6	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.010
7	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.005
8	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.003
9	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.002
10	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.001
11	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.001
12	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
13	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Calculation results, Exterior 1

2.2.38 Luminous intensity - I(p) House 31 East



Measuring point for luminous intensity: I(p) House 31 East

Position : x = 29.31 m, y = 332.01 m, z = 3.05 m

No.	Luminaire	Position			Lumin. intensity I[kcd]
		x[m]	y[m]	z[m]	
1	ENERGY DUE, TRMA-02-_-13L-228	145.54	65.67	5.74	1.175
2	ENERGY DUE, TRMA-02-_-13L-228	183.25	133.76	5.91	0.153
3	ENERGY DUE, TRMA-02-_-13L-228	201.92	99.54	5.73	0.027
4	ENERGY DUE, TRMA-02-_-13L-228	196.24	117.25	5.73	0.016
5	ENERGY DUE, TRMA-02-_-13L-228	170.10	100.87	5.73	0.010
6	ENERGY DUE, TRMA-02-_-13L-228	207.56	170.10	5.95	0.010
7	ENERGY DUE, TRMA-02-_-13L-228	112.62	115.65	5.91	0.005
8	ENERGY DUE, TRMA-02-_-13L-228	124.23	68.96	5.73	0.003
9	ENERGY DUE, TRMA-02-_-13L-228	140.58	106.16	5.73	0.002
10	ENERGY DUE, TRMA-02-_-13L-228	152.52	137.18	5.90	0.001
11	ENERGY DUE, TRMA-02-_-13L-228	151.74	114.24	5.91	0.001
12	ENERGY DUE, TRMA-02-_-13L-228	185.04	89.38	5.73	0.001
13	ENERGY DUE, TRMA-02-_-13L-228	71.79	95.93	5.92	0.000
14	ENERGY DUE, TRMA-02-_-13L-228	119.97	157.06	5.73	0.000
15	ENERGY DUE, TRMA-02-_-13L-228	205.85	201.37	5.73	0.000
16	ENERGY DUE, TRMA-02-_-13L-228	74.20	124.73	5.92	0.000
17	ENERGY DUE, TRMA-02-_-13L-228	69.86	67.32	5.74	0.000
18	ENERGY DUE, TRMA-02-_-13L-228	252.43	167.70	5.73	0.000
19	ENERGY DUE, TRMA-02-_-13L-228	278.17	201.18	5.92	0.000
20	ENERGY DUE, TRMA-02-_-13L-228	243.10	115.85	5.91	0.000
21	ENERGY DUE, TRMA-02-_-13L-228	294.80	136.21	5.91	0.000

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

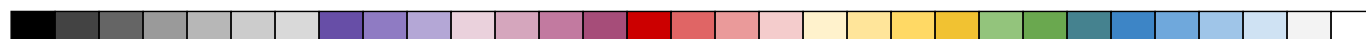
RELUX®

2.2 Summary, Exterior 1

2.2.39 Result overview, Carpark



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100150200300500750100015002000300050007500

Illuminance [lx]

General

Calculation algorithm used	low indirect fraction
Height of evaluation surface	0.05 m
Maintenance factor	0.80

Total luminous flux	235578 lm
Total power	1995 W
Total power per area (129766.00 m²)	0.02 W/m²

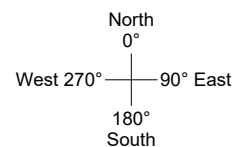
Illuminance

Average illuminance	$\bar{E}_m$	5 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	67.5 lx
Uniformity U_0	$E_{min}/\bar{E}_m$	1:1680 (0)
Diversity U_d	E_{min}/E_{max}	1:22600 (0)

Observer Rg

$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No.	Description	Position	$R_{G,max}$	Direction
3	GR 3	219 m/54.3 m/4.7 m	43.8	275° (-2°)



Type No. \Make

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Summary, Exterior 1

2.2.39 Result overview, Carpark

		Cree Lighting	
1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

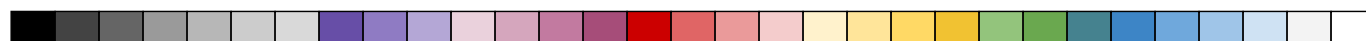
RELUX[®]

2.2 Summary, Exterior 1

2.2.40 Result overview, House 1



-165 -65 35 135 235 335 435 x [m]



0 0.1 0.15 0.2 0.3 0.5 0.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500 2000 3000 5000 7500 10000
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No. \Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

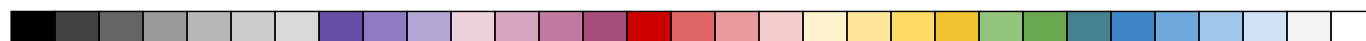
RELUX[®]

2.2 Summary, Exterior 1

2.2.41 Result overview, House 3



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005001000150020003000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

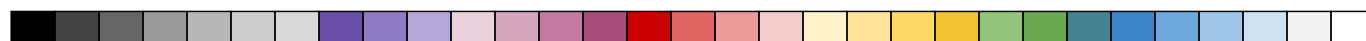


2.2 Summary, Exterior 1

2.2.42 Result overview, House 4 South



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

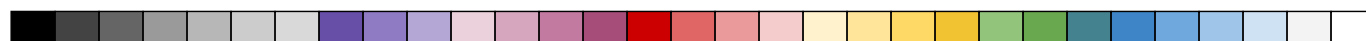
RELUX®

2.2 Summary, Exterior 1

2.2.43 Result overview, House 4 West



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

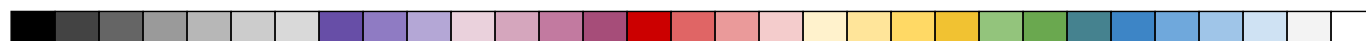
RELUX[®]

2.2 Summary, Exterior 1

2.2.44 Result overview, House 4 East



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

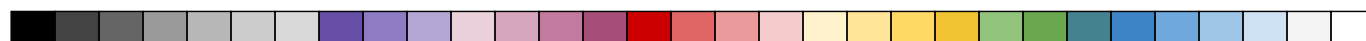


2.2 Summary, Exterior 1

2.2.45 Result overview, House 6



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

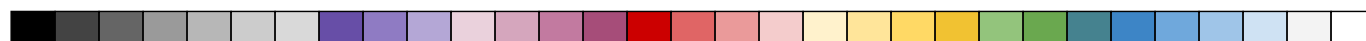


2.2 Summary, Exterior 1

2.2.46 Result overview, House 7



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1 21 x	Order No.	: TRMA-02- - -13L-228/075
	Luminaire name	: ENERGY DUE
	Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

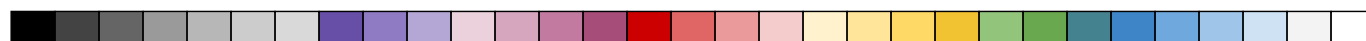


2.2 Summary, Exterior 1

2.2.47 Result overview, House 8



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance $\bar{E}_m$ 0 lx
 Minimum illuminance E_{min} 0 lx
 Maximum illuminance E_{max} 0 lx
 Uniformity U_o $E_{min}/\bar{E}_m$ 1:--- (---)
 Diversity U_d E_{min}/E_{max} 1:--- (---)

Type No. \ Make

Cree Lighting

1 21 x
 Order No. : TRMA-02- - -13L-228/075
 Luminaire name : ENERGY DUE
 Equipment : 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

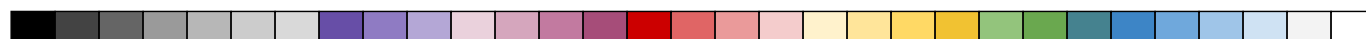
RELUX®

2.2 Summary, Exterior 1

2.2.48 Result overview, House 9



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

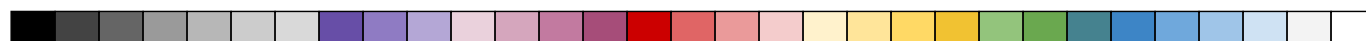
RELUX®

2.2 Summary, Exterior 1

2.2.49 Result overview, House 10



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 1001502003005007501000500100015002000300050007500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

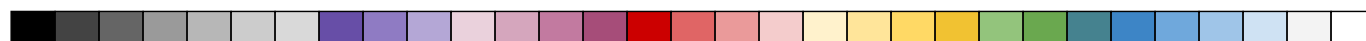
RELUX®

2.2 Summary, Exterior 1

2.2.50 Result overview, House 11



-165 -65 35 135 235 335 435 x [m]



0 0.1 0.15 0.2 0.3 0.5 0.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500 2000 3000 5000 7500 10000 15000 20000 30000 50000 75000 100000 150000 200000 300000 500000
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

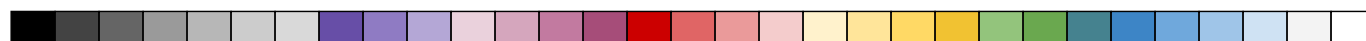


2.2 Summary, Exterior 1

2.2.51 Result overview, House 12 East



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

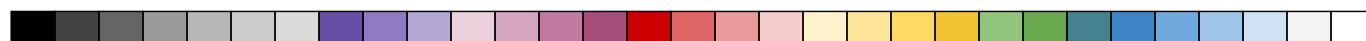


2.2 Summary, Exterior 1

2.2.52 Result overview, House 12 South



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

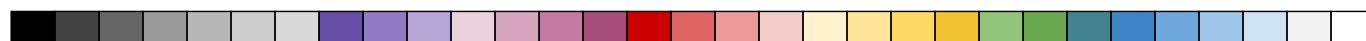
RELUX[®]

2.2 Summary, Exterior 1

2.2.53 Result overview, House 13



-165 -65 35 135 235 335 435 x [m]



0 0.1 0.2 0.3 0.5 0.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500 2000 3000 5000 7500 10000 15000 20000 30000 50000 75000 100000 150000 200000 300000 500000
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

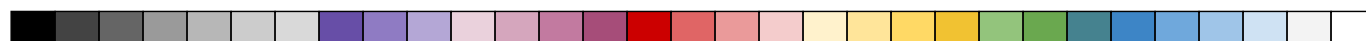
RELUX®

2.2 Summary, Exterior 1

2.2.54 Result overview, House 14



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

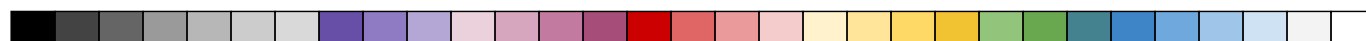


2.2 Summary, Exterior 1

2.2.55 Result overview, House 15



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

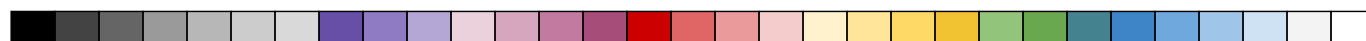
RELUX®

2.2 Summary, Exterior 1

2.2.56 Result overview, House 16



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

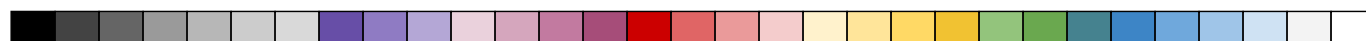
RELUX[®]

2.2 Summary, Exterior 1

2.2.57 Result overview, House 17



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

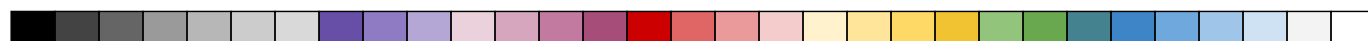


2.2 Summary, Exterior 1

2.2.58 Result overview, House 18



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance $\bar{E}_m$ 0 lx
 Minimum illuminance E_{min} 0 lx
 Maximum illuminance E_{max} 0 lx
 Uniformity U_o $E_{min}/\bar{E}_m$ 1:--- (---)
 Diversity U_d E_{min}/E_{max} 1:--- (---)

Type No.\Make

Cree Lighting

1 21 x
 Order No. : TRMA-02- - -13L-228/075
 Luminaire name : ENERGY DUE
 Equipment : 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

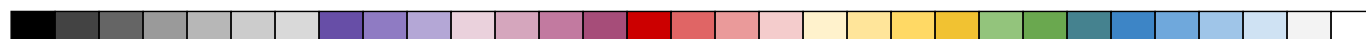


2.2 Summary, Exterior 1

2.2.59 Result overview, House 19



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

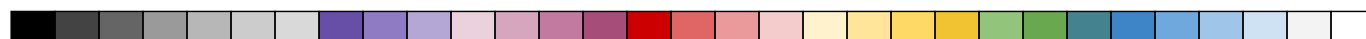


2.2 Summary, Exterior 1

2.2.60 Result overview, Burbage Designer South



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.03 lx
Minimum illuminance	E_{min}	0.01 lx
Maximum illuminance	E_{max}	0.04 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.96 (0.51)
Diversity U_d	E_{min}/E_{max}	1:2.93 (0.34)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

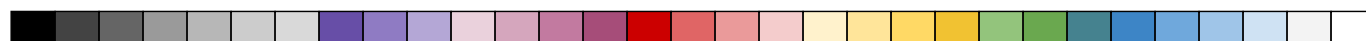


2.2 Summary, Exterior 1

2.2.61 Result overview, Burbage Designer East



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100150200300500750100050020000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.04 lx
Minimum illuminance	E_{min}	0.03 lx
Maximum illuminance	E_{max}	0.04 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.2 (0.83)
Diversity U_d	E_{min}/E_{max}	1:1.43 (0.7)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

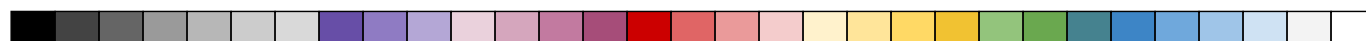
RELUX®

2.2 Summary, Exterior 1

2.2.62 Result overview, Burbage Designer



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005000000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.04 lx
Minimum illuminance	E_{min}	0.02 lx
Maximum illuminance	E_{max}	0.05 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.7 (0.59)
Diversity U_d	E_{min}/E_{max}	1:2.16 (0.46)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

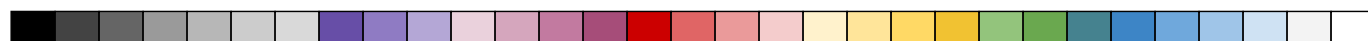


2.2 Summary, Exterior 1

2.2.63 Result overview, Burbage Designer



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.04 lx
Minimum illuminance	E_{min}	0.02 lx
Maximum illuminance	E_{max}	0.05 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.78 (0.56)
Diversity U_d	E_{min}/E_{max}	1:2.21 (0.45)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

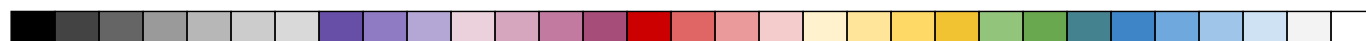
RELUX®

2.2 Summary, Exterior 1

2.2.64 Result overview, Burbage Designer



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100150200300500750100050010001500200030005000750010000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0.03 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

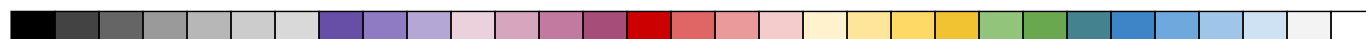


2.2 Summary, Exterior 1

2.2.65 Result overview, Burbage Designer



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance $\bar{E}_m$ 0.03 lx
 Minimum illuminance E_{min} 0.02 lx
 Maximum illuminance E_{max} 0.03 lx
 Uniformity U_o $E_{min}/\bar{E}_m$ 1:1.12 (0.89)
 Diversity U_d E_{min}/E_{max} 1:1.3 (0.77)

Type No. Make

Cree Lighting

1 21 x
 Order No. : TRMA-02- - -13L-228/075
 Luminaire name : ENERGY DUE
 Equipment : 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

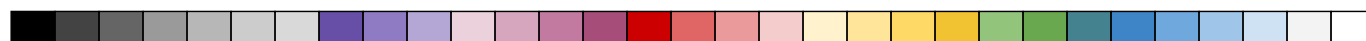


2.2 Summary, Exterior 1

2.2.66 Result overview, Burbage Designer



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0.03 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1 21 x	Order No.	: TRMA-02- - -13L-228/075
	Luminaire name	: ENERGY DUE
	Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

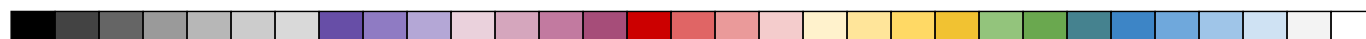


2.2 Summary, Exterior 1

2.2.67 Result overview, House 26 East



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.02 lx
Minimum illuminance	E_{min}	0.01 lx
Maximum illuminance	E_{max}	0.02 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.8 (0.56)
Diversity U_d	E_{min}/E_{max}	1:2.21 (0.45)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

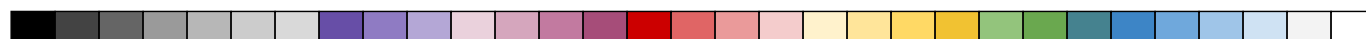
RELUX®

2.2 Summary, Exterior 1

2.2.68 Result overview, House 26 South



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.02 lx
Minimum illuminance	E_{min}	0.02 lx
Maximum illuminance	E_{max}	0.03 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.17 (0.86)
Diversity U_d	E_{min}/E_{max}	1:1.27 (0.79)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

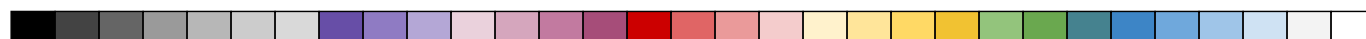


2.2 Summary, Exterior 1

2.2.69 Result overview, House 27



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance $\bar{E}_m$ 0.04 lx
 Minimum illuminance E_{min} 0.03 lx
 Maximum illuminance E_{max} 0.04 lx
 Uniformity U_o $E_{min}/\bar{E}_m$ 1:1.32 (0.76)
 Diversity U_d E_{min}/E_{max} 1:1.36 (0.74)

Type No. Make

Cree Lighting

1 21 x
 Order No. : TRMA-02- - -13L-228/075
 Luminaire name : ENERGY DUE
 Equipment : 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

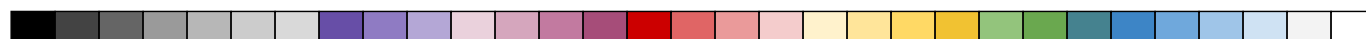
RELUX[®]

2.2 Summary, Exterior 1

2.2.70 Result overview, House 28 East



-165 -65 35 135 235 335 435 x [m]



0 0.1 0.15 0.2 0.3 0.5 0.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100 150 200 300 500 750 1000 1500 2000 3000 5000 7500 10000 15000 20000 30000 50000 75000 100000 150000 200000 300000 500000 750000 1000000
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.02 lx
Minimum illuminance	E_{min}	0.01 lx
Maximum illuminance	E_{max}	0.02 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.71 (0.58)
Diversity U_d	E_{min}/E_{max}	1:2.03 (0.49)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

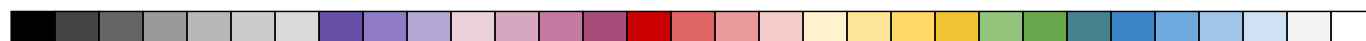
RELUX®

2.2 Summary, Exterior 1

2.2.71 Result overview, House 28 South



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.02 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0.02 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:4.42 (0.23)
Diversity U_d	E_{min}/E_{max}	1:6.67 (0.15)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

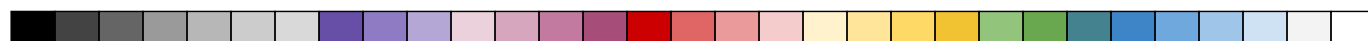


2.2 Summary, Exterior 1

2.2.72 Result overview, House 29 East



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.01 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0.02 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:5.6 (0.18)
Diversity U_d	E_{min}/E_{max}	1:8.31 (0.12)

Type No. Make

Cree Lighting

1 21 x



Order No. : TRMA-02- - -13L-228/075
 Luminaire name : ENERGY DUE
 Equipment : 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

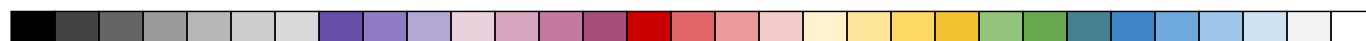


2.2 Summary, Exterior 1

2.2.73 Result overview, House 29 South



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

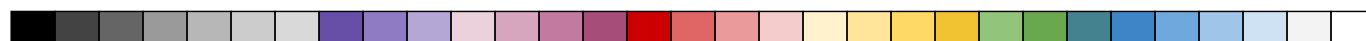
RELUX®

2.2 Summary, Exterior 1

2.2.74 Result overview, House 30 East



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005001000150020003000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.01 lx
Minimum illuminance	E_{min}	0.01 lx
Maximum illuminance	E_{max}	0.02 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.4 (0.71)
Diversity U_d	E_{min}/E_{max}	1:2.56 (0.39)

Type No.\Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

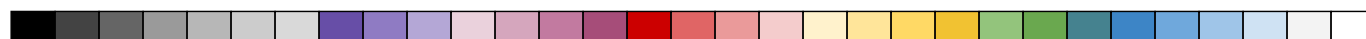


2.2 Summary, Exterior 1

2.2.75 Result overview, House 30 South



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.02 lx
Minimum illuminance	E_{min}	0.01 lx
Maximum illuminance	E_{max}	0.02 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.33 (0.75)
Diversity U_d	E_{min}/E_{max}	1:1.47 (0.68)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

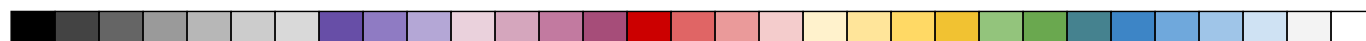


2.2 Summary, Exterior 1

2.2.76 Result overview, House 31 South



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.01 lx
Minimum illuminance	E_{min}	0.01 lx
Maximum illuminance	E_{max}	0.01 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.12 (0.89)
Diversity U_d	E_{min}/E_{max}	1:1.18 (0.84)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

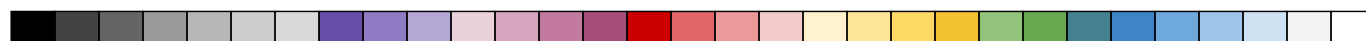


2.2 Summary, Exterior 1

2.2.77 Result overview, House 31 East



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.01 lx
Minimum illuminance	E_{min}	0.01 lx
Maximum illuminance	E_{max}	0.01 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.27 (0.79)
Diversity U_d	E_{min}/E_{max}	1:1.42 (0.71)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

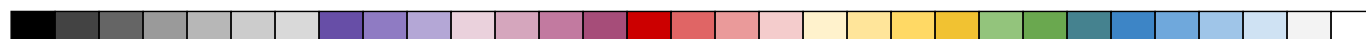


2.2 Summary, Exterior 1

2.2.78 Result overview, ULR



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.01 lx
Minimum illuminance	E_{min}	0.01 lx
Maximum illuminance	E_{max}	0.01 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.37 (0.73)
Diversity U_d	E_{min}/E_{max}	1:1.59 (0.63)

Type No. Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

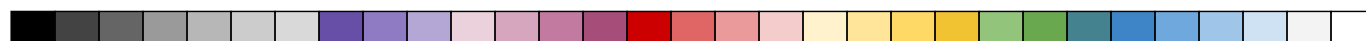
RELUX®

2.2 Summary, Exterior 1

2.2.79 Result overview, BAT2



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.36 lx
Minimum illuminance	E_{min}	0.02 lx
Maximum illuminance	E_{max}	1.1 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:19.2 (0.05)
Diversity U_d	E_{min}/E_{max}	1:58 (0.02)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

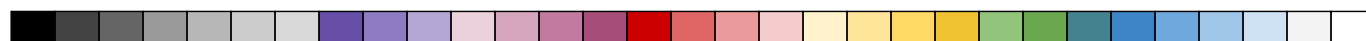
RELUX®

2.2 Summary, Exterior 1

2.2.80 Result overview, BAT3



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005000000000500
Illuminance [lx]

General

Calculation algorithm used low indirect fraction
Maintenance factor 0.80

Total luminous flux 235578 lm
Total power 1995 W
Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance	$\bar{E}_m$	0.12 lx
Minimum illuminance	E_{min}	0 lx
Maximum illuminance	E_{max}	0.4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No. \ Make

Cree Lighting

1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

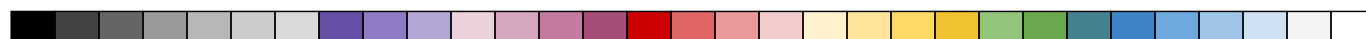


2.2 Summary, Exterior 1

2.2.81 Result overview, BAT4



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance $\bar{E}_m$ 0.09 lx
 Minimum illuminance E_{min} 0.03 lx
 Maximum illuminance E_{max} 0.14 lx
 Uniformity U_o $E_{min}/\bar{E}_m$ 1:2.58 (0.39)
 Diversity U_d E_{min}/E_{max} 1:4 (0.25)

Type No. Make

Cree Lighting

1 21 x
 Order No. : TRMA-02- - -13L-228/075
 Luminaire name : ENERGY DUE
 Equipment : 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

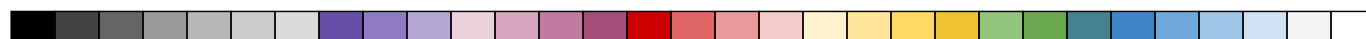


2.2 Summary, Exterior 1

2.2.82 Result overview, BAT5



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 10015020030050075010005002000000000500
 Illuminance [lx]

General

Calculation algorithm used low indirect fraction
 Maintenance factor 0.80

Total luminous flux 235578 lm
 Total power 1995 W
 Total power per area (129766.00 m²) 0.02 W/m²

Illuminance

Average illuminance $\bar{E}_m$ 0.88 lx
 Minimum illuminance E_{min} 0.01 lx
 Maximum illuminance E_{max} 4.44 lx
 Uniformity U_o $E_{min}/\bar{E}_m$ 1:72.3 (0.01)
 Diversity U_d E_{min}/E_{max} 1:367 (0)

Type No. \ Make

Cree Lighting

1 21 x
 Order No. : TRMA-02- - -13L-228/075
 Luminaire name : ENERGY DUE
 Equipment : 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

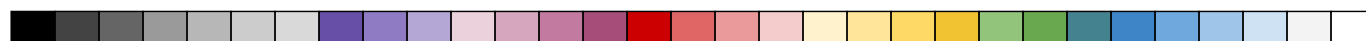


2.2 Summary, Exterior 1

2.2.83 Result overview, Evaluation area 1



-165 -65 35 135 235 335 435 x [m]



0 0.10.150.2 0.3 0.50.75 1 1.5 2 3 5 7.5 10 15 20 30 50 75 100150200300500750100015002000300050007500
 Illuminance [lx]

General

Calculation algorithm used	low indirect fraction
Maintenance factor	0.80
Total luminous flux	235578.00 lm
Total power	1995.0 W
Total power per area (129766.01 m ²)	0.02 W/m ² (201.60 W/m ² /100lx)

Evaluation area 1

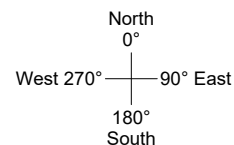
Reference plane 1.1

$\bar{E}_m$	Horizontal	0.01 lx
E_{min}		0 lx
$E_{min}/\bar{E}_m (U_o)$		---
$E_{min}/E_{max} (U_d)$		---
Position		0.00 m

Observer Rg

$L_{ve} = 0 \text{ cd/m}^2$, $\bar{E}_i = 0.01 \text{ lx}$, $\rho = 20 \%$

No.	Description	Position	$R_{G,max}$	Direction
1	GR 1	103 m/13.5 m/3.6 m	100	346° (-2°)



Type No.\Make

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.2 Summary, Exterior 1

2.2.83 Result overview, Evaluation area 1

		Cree Lighting	
1	21 x	Order No.	: TRMA-02- - -13L-228/075
		Luminaire name	: ENERGY DUE
		Equipment	: 1 x 13L - 28 Luxeon 50 95 W / 11218 lm

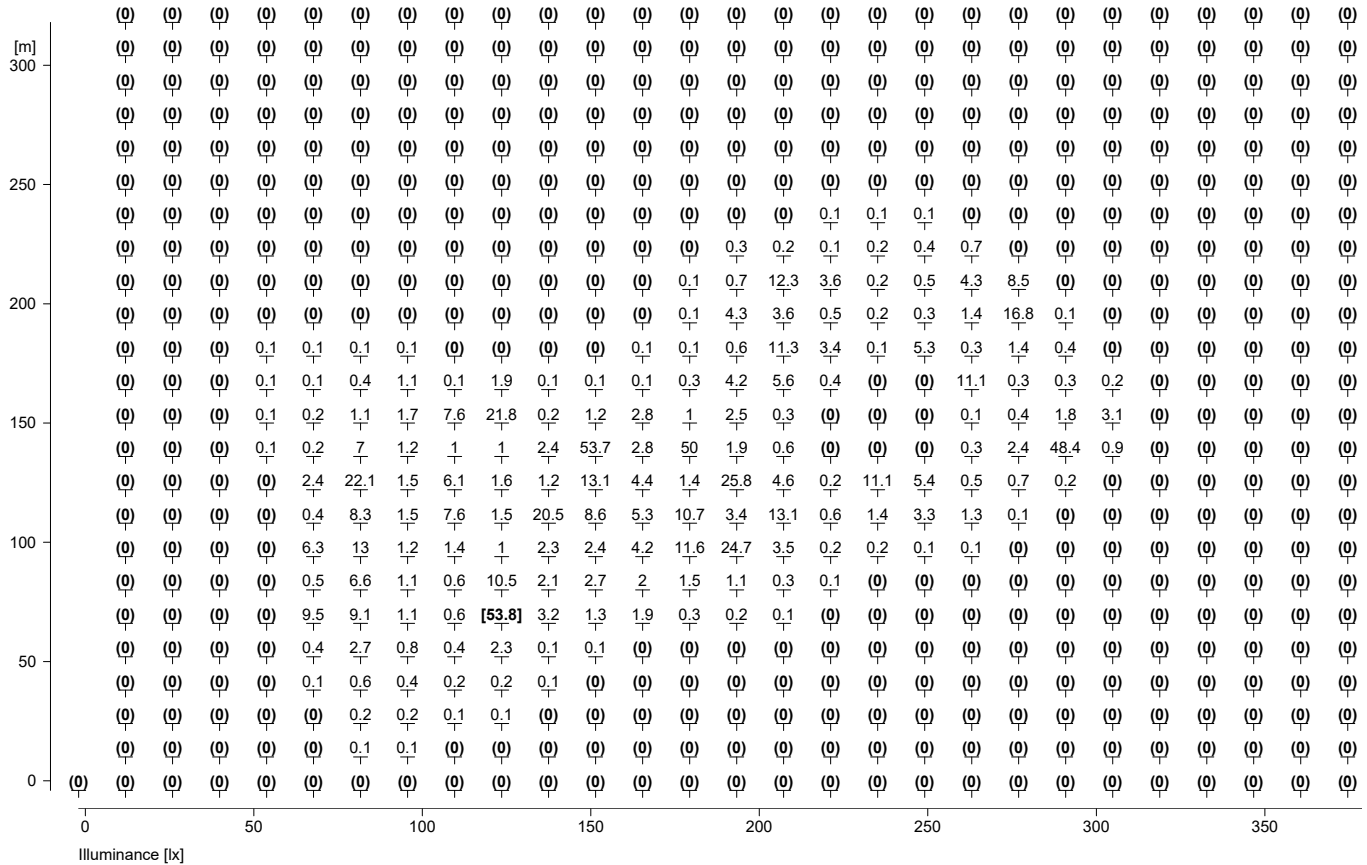
Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Floor (E)



Part1

Average illuminance E_m : 1.1 lx
Minimum illuminance E_{min} : 0 lx
Maximum illuminance E_{max} : 53.8 lx
Uniformity U_o E_{min}/E_m : ---
Diversity U_d E_{min}/E_{max} : ---

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Floor (E)

(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	
(0)	(0)
400 [m]	



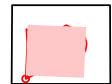
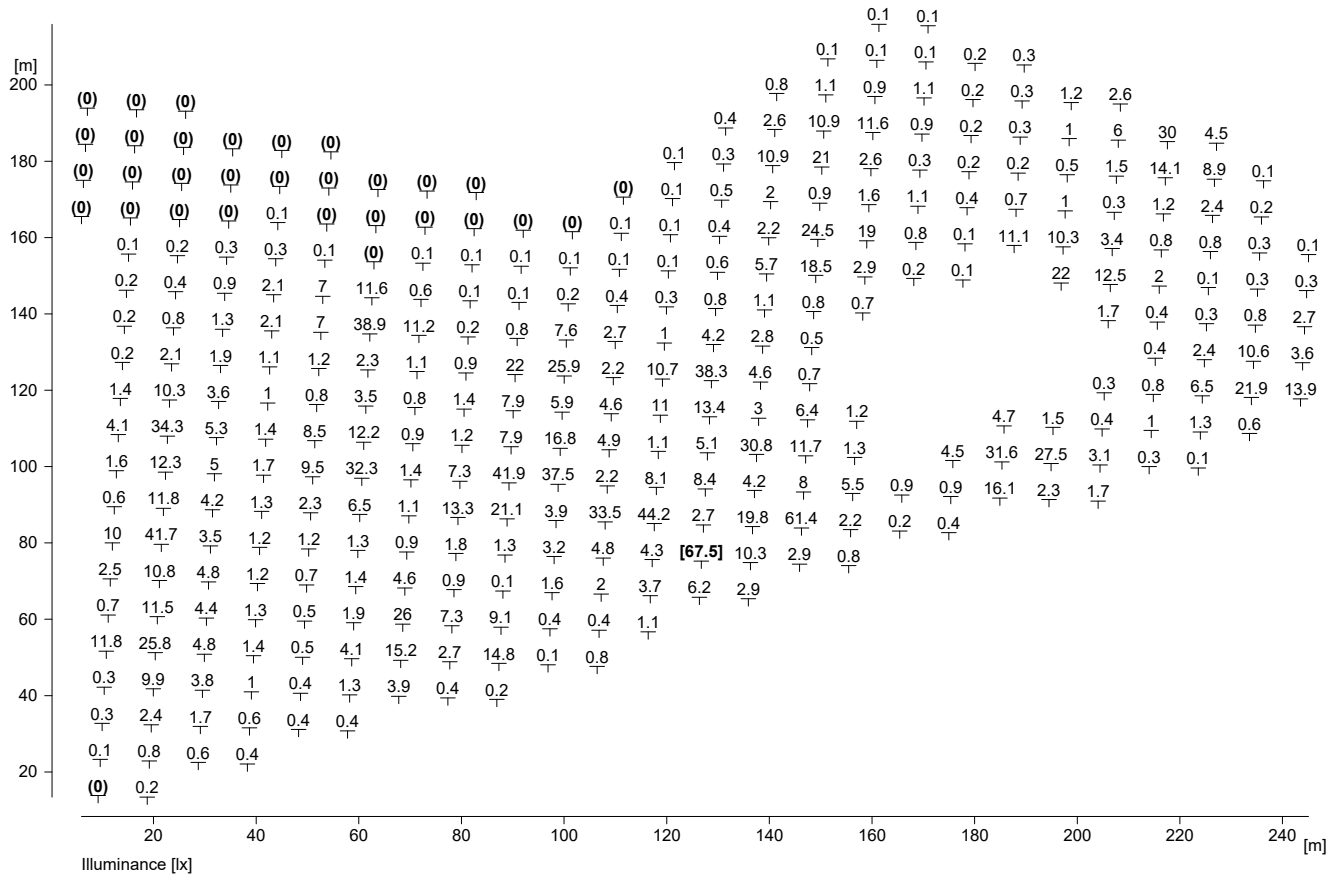
Part2

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

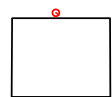
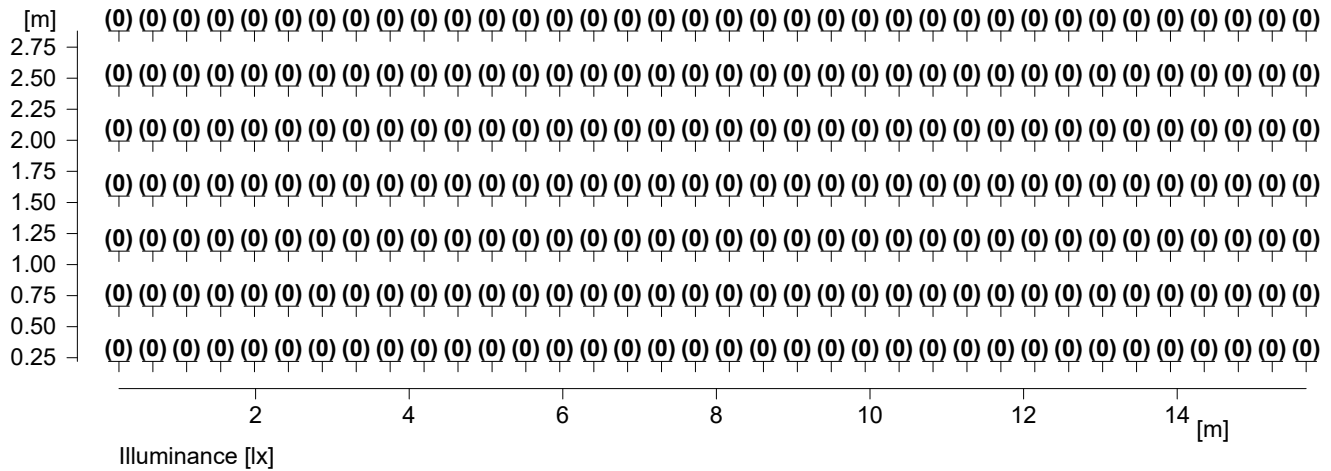
2.3.2 Table, Carpark (E)



Height reference plane	: 0.05 m
Average illuminance	$\bar{E}_m$: 5 lx
Minimum illuminance	E_{min} : 0 lx
Maximum illuminance	E_{max} : 67.5 lx
Uniformity U_0	$E_{min}/\bar{E}_m$: 1 : 1683.69 (0.00)
Diversity U_d	E_{min}/E_{max} : 1 : 22639.78 (0.00)

2.3 Calculation results, Exterior 1

2.3.3 Table, House 1 (E)



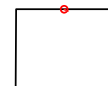
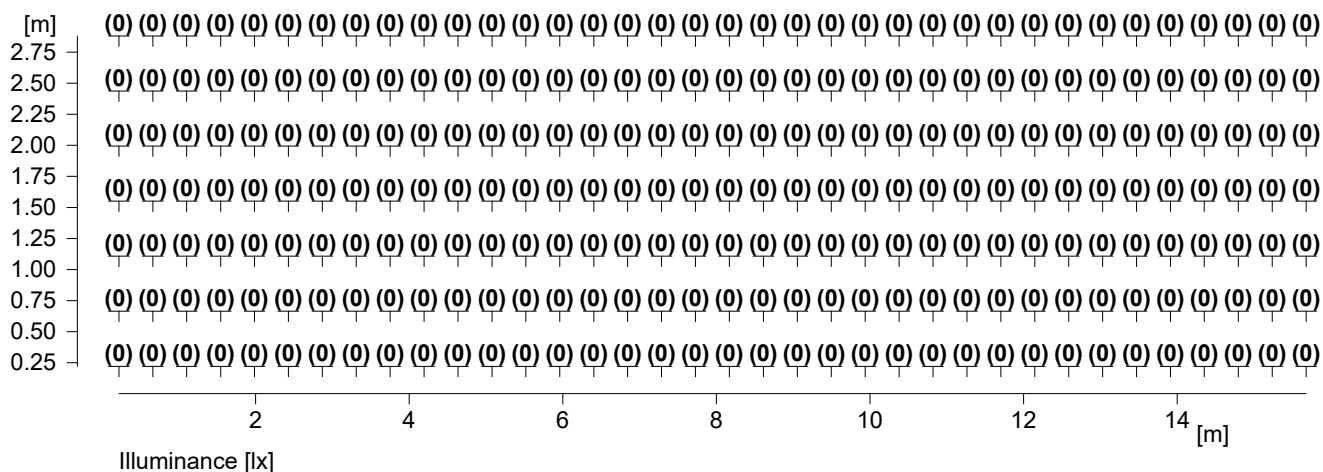
Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.4 Table, House 3 (E)



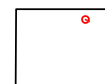
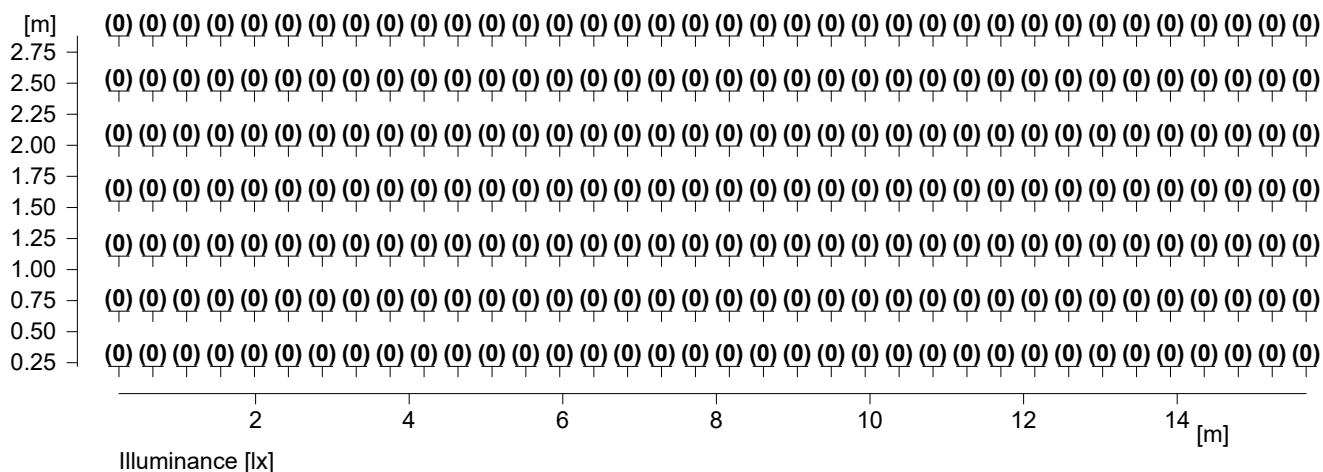
Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

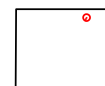
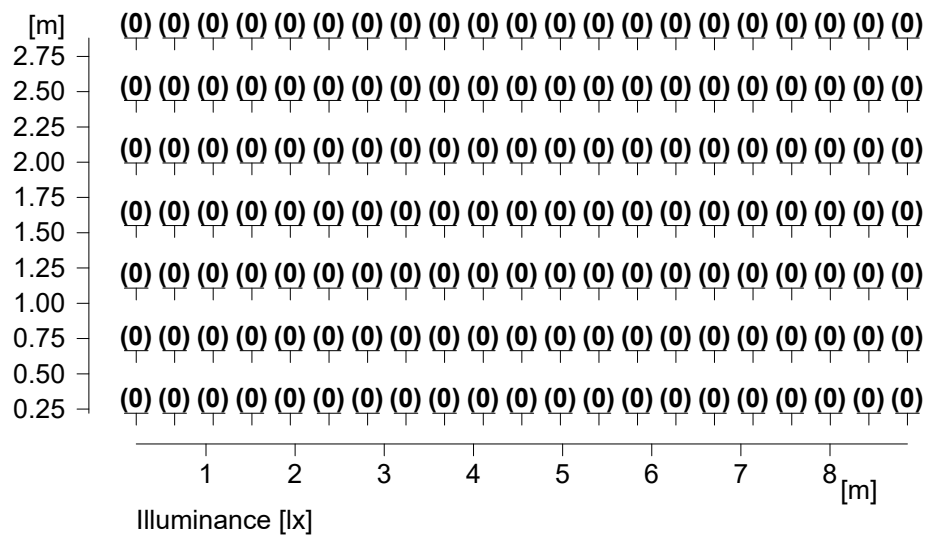
2.3.5 Table, House 4 South (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_0	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

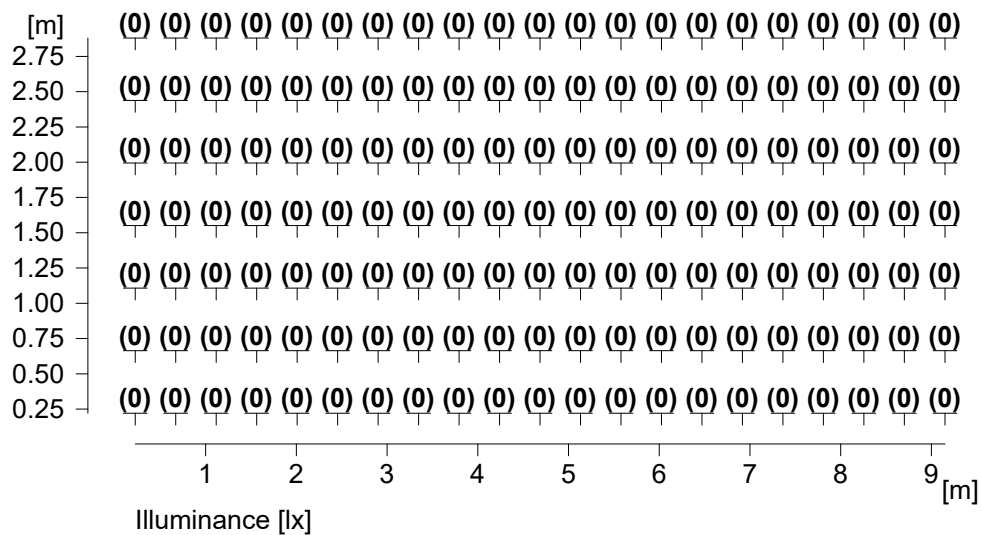
2.3.6 Table, House 4 West (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

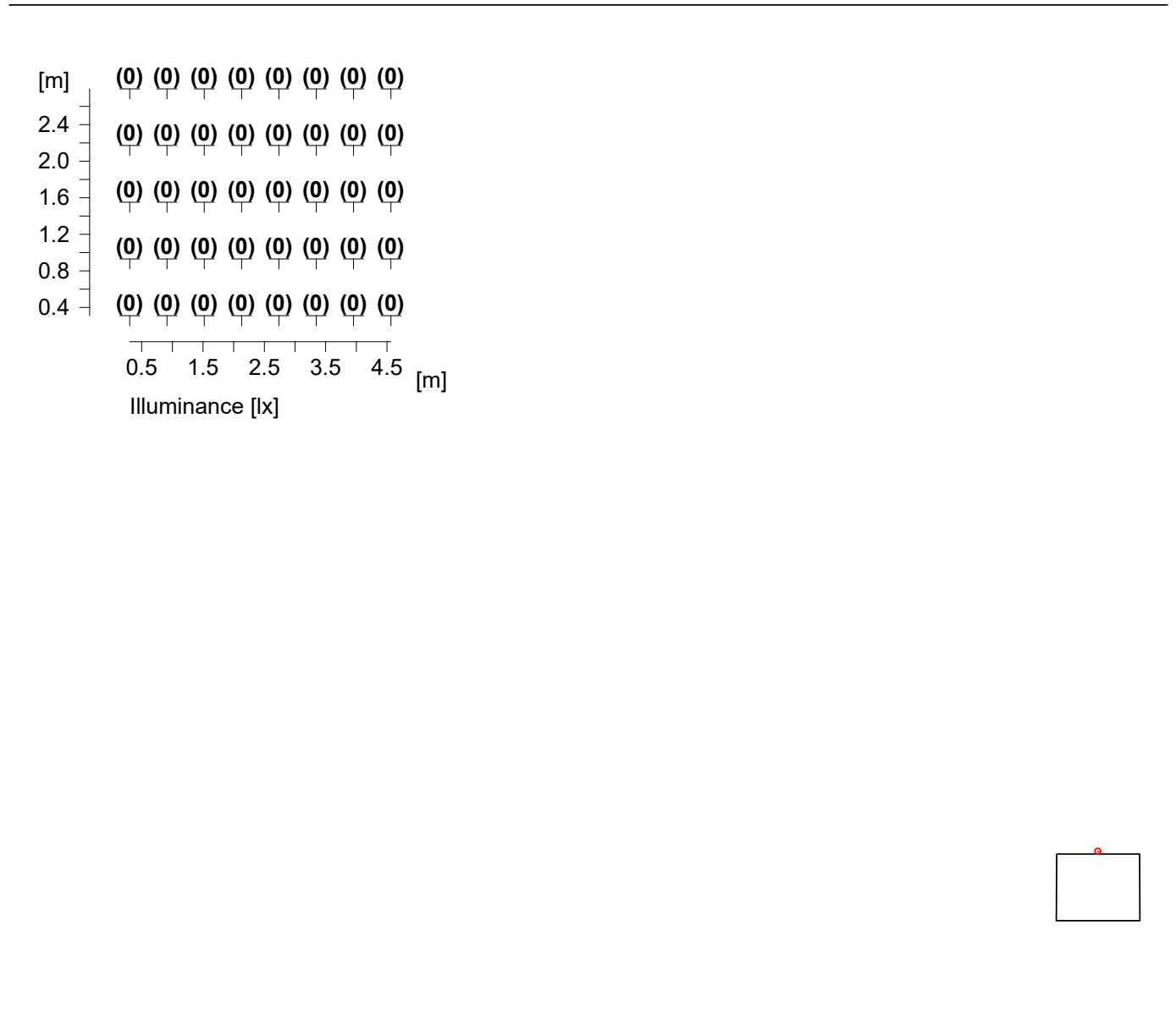
2.3.7 Table, House 4 East (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

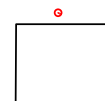
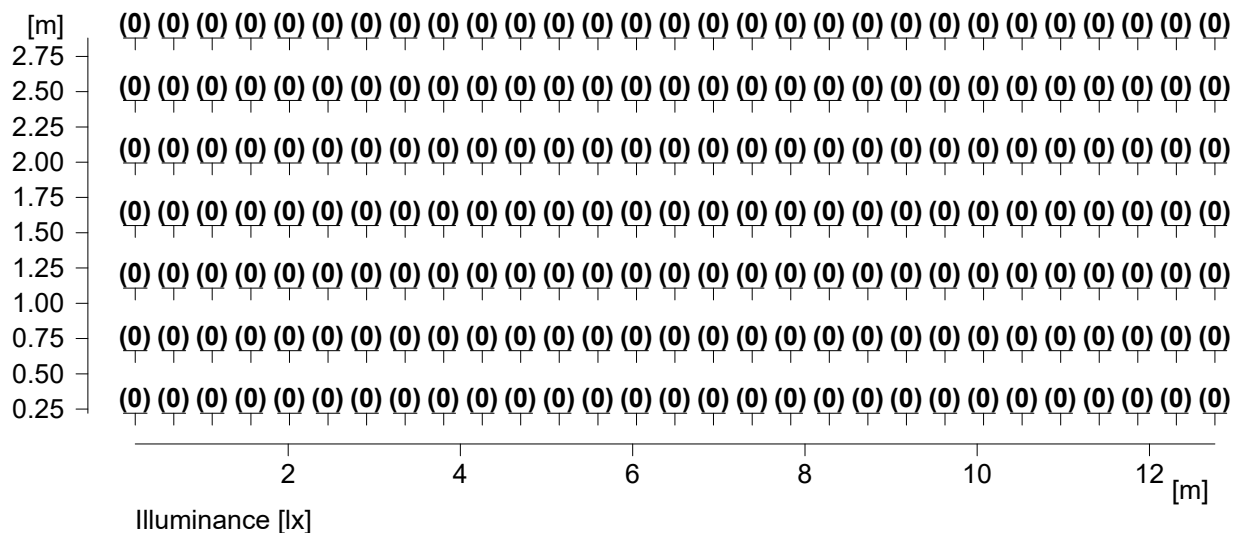
2.3.8 Table, House 6 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

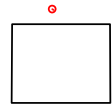
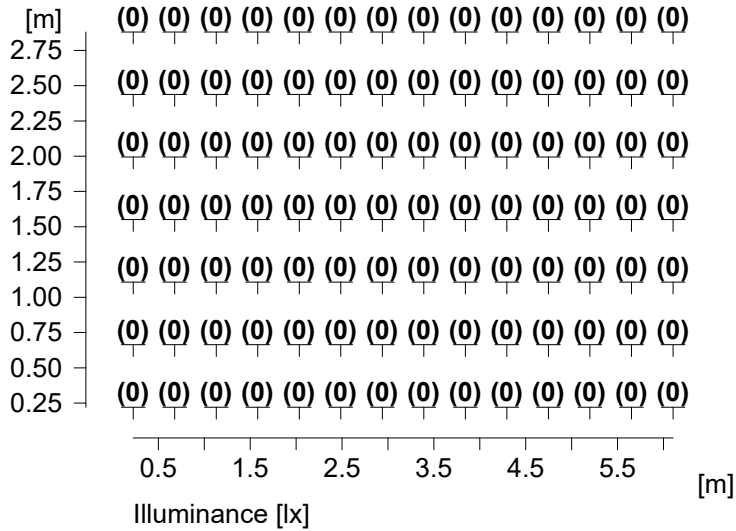
2.3.9 Table, House 7 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

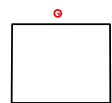
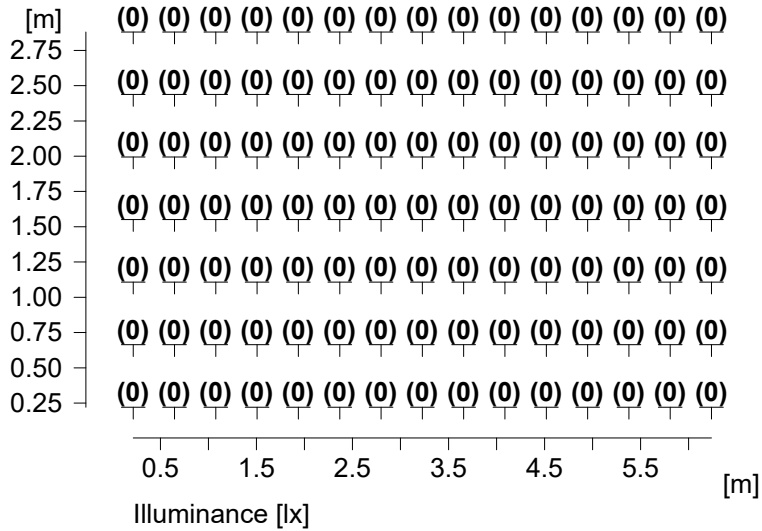
2.3.10 Table, House 8 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

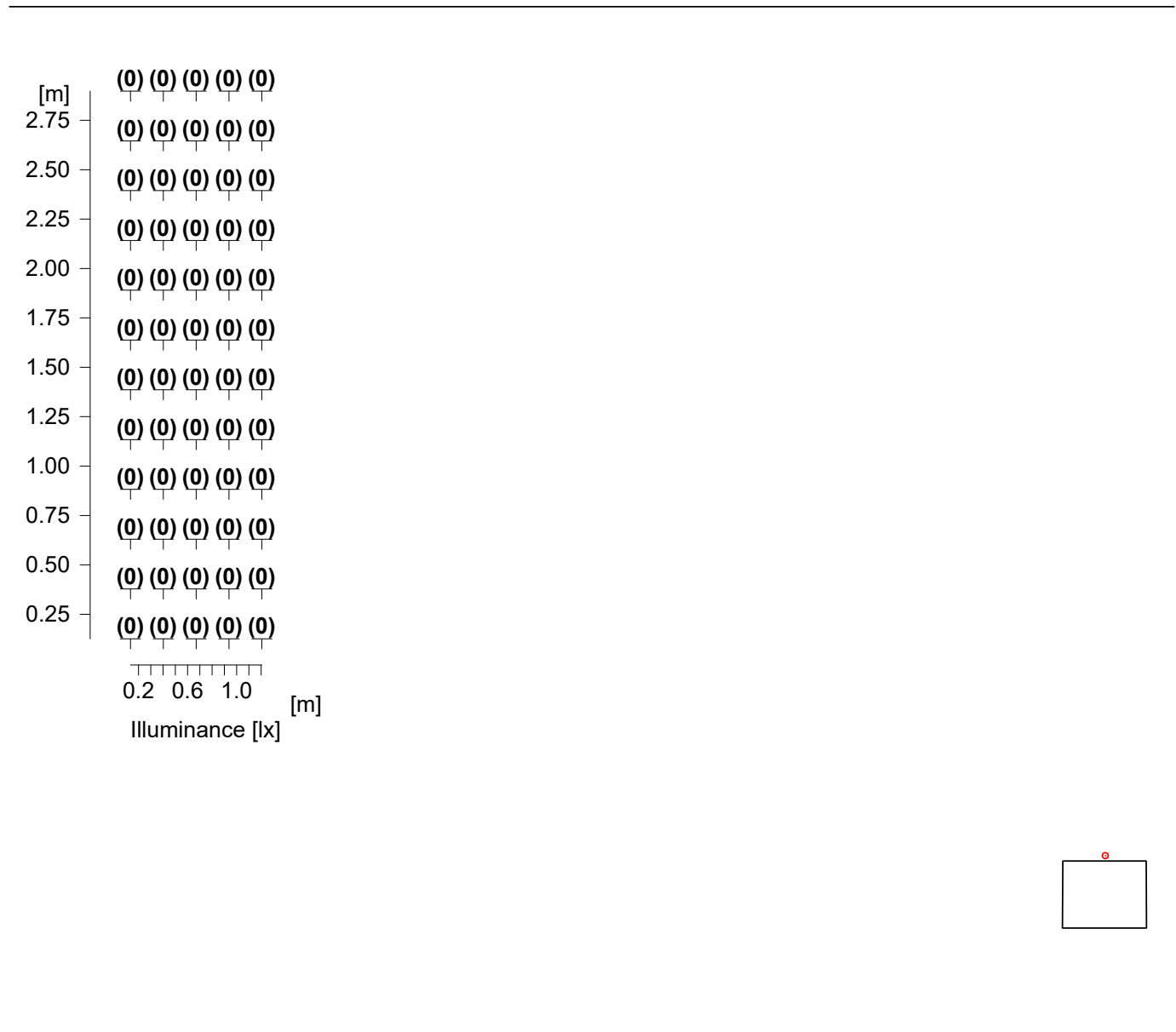
2.3.11 Table, House 9 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

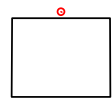
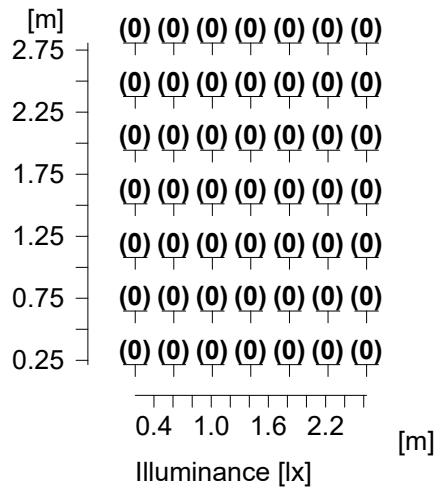
2.3.12 Table, House 10 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

2.3.13 Table, House 11 (E)



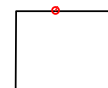
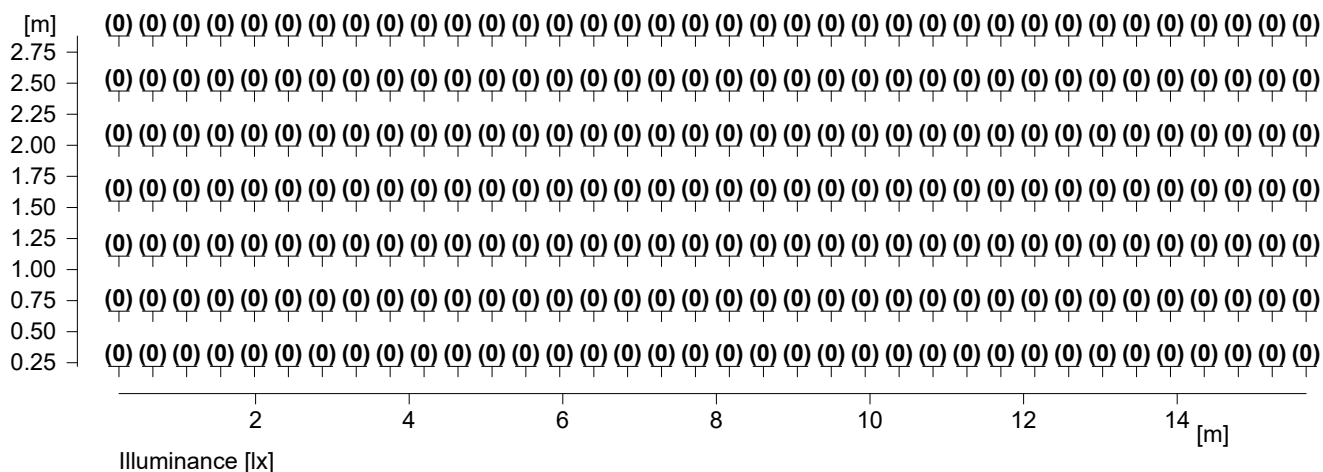
Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

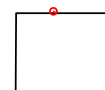
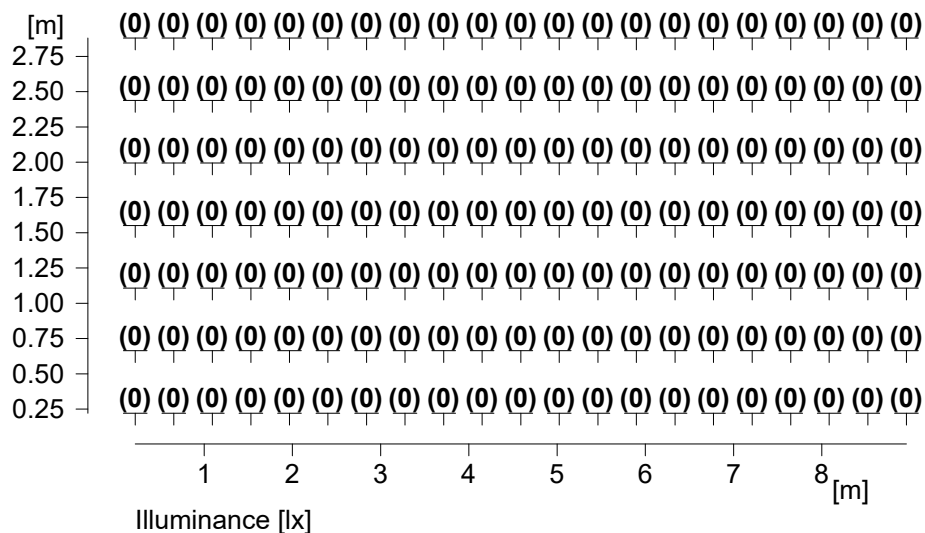
2.3.14 Table, House 12 East (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

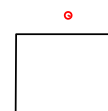
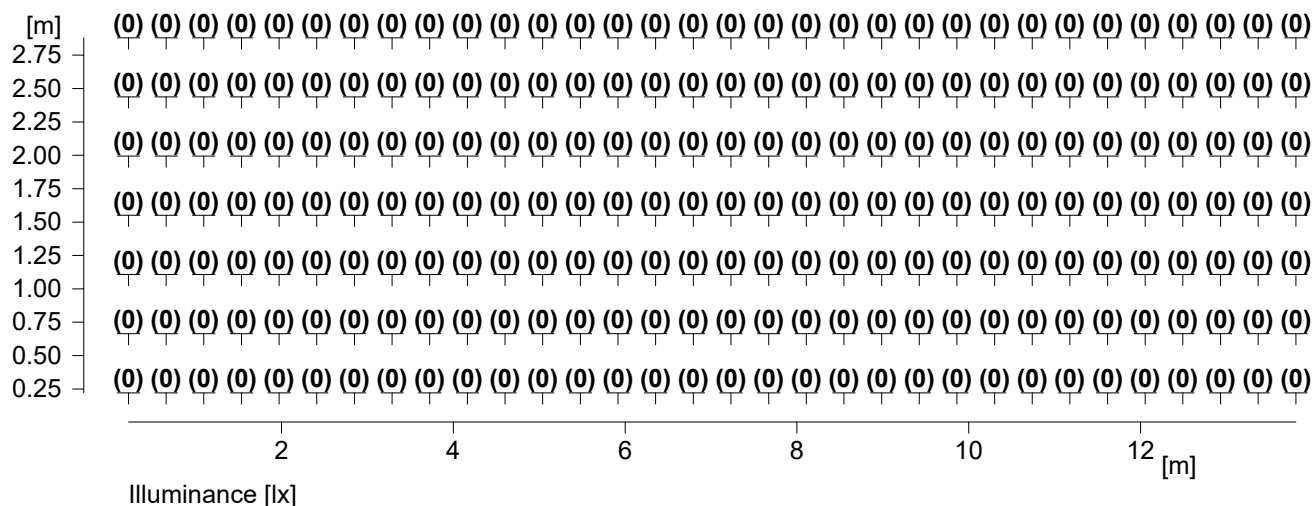
2.3.15 Table, House 12 South (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

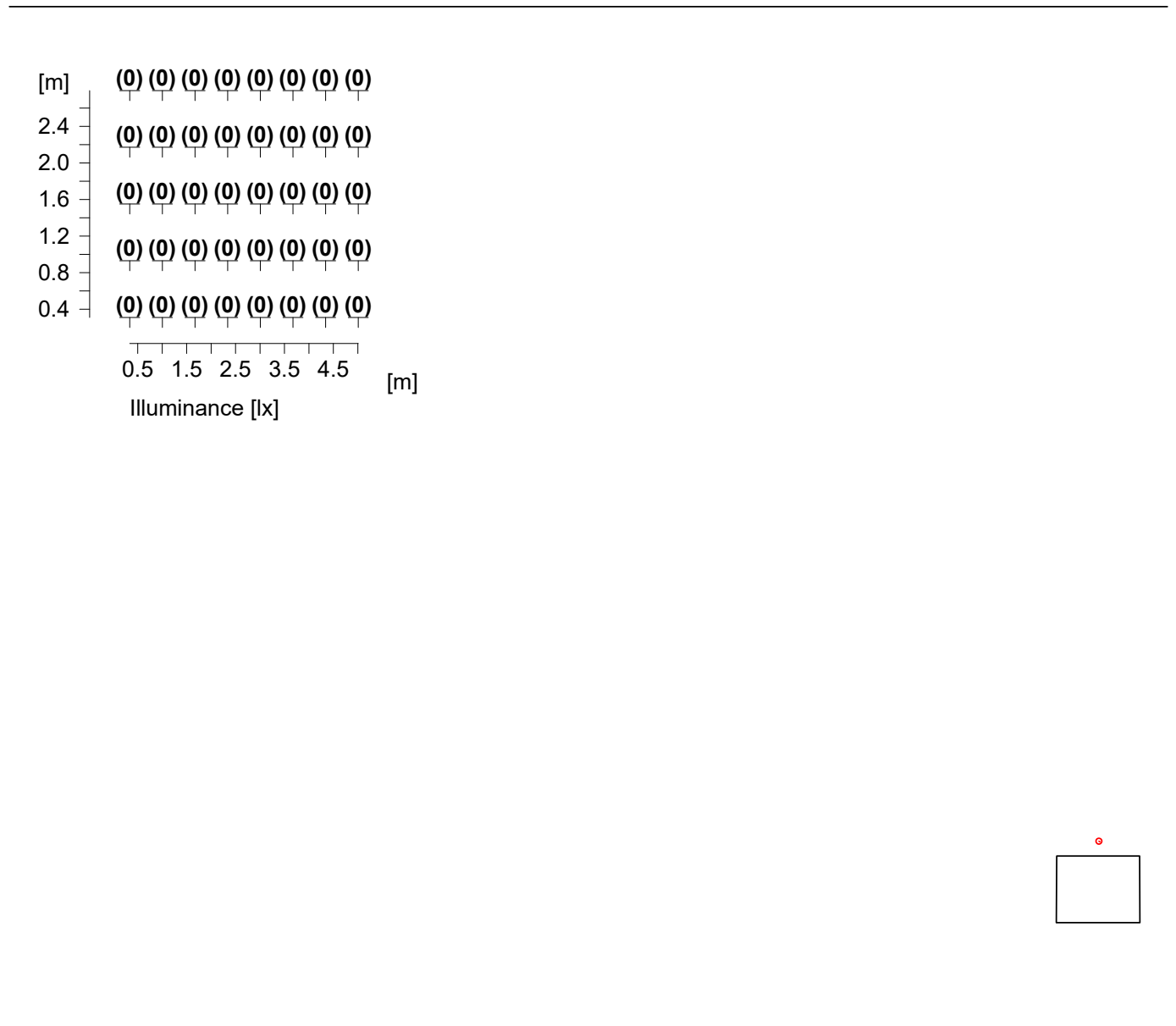
2.3.16 Table, House 13 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

2.3.17 Table, House 14 (E)



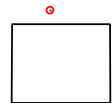
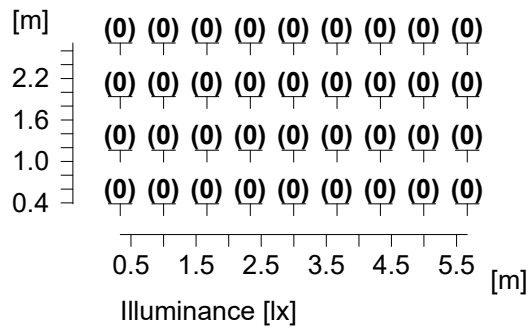
Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.18 Table, House 15 (E)



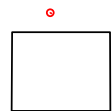
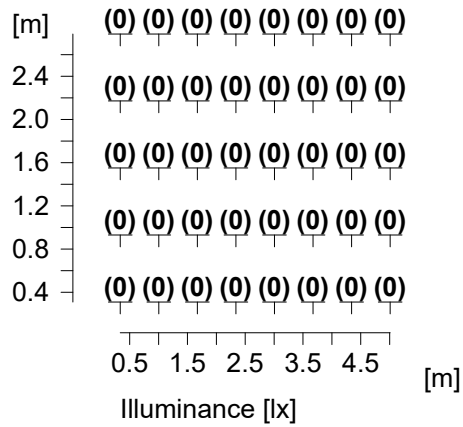
Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

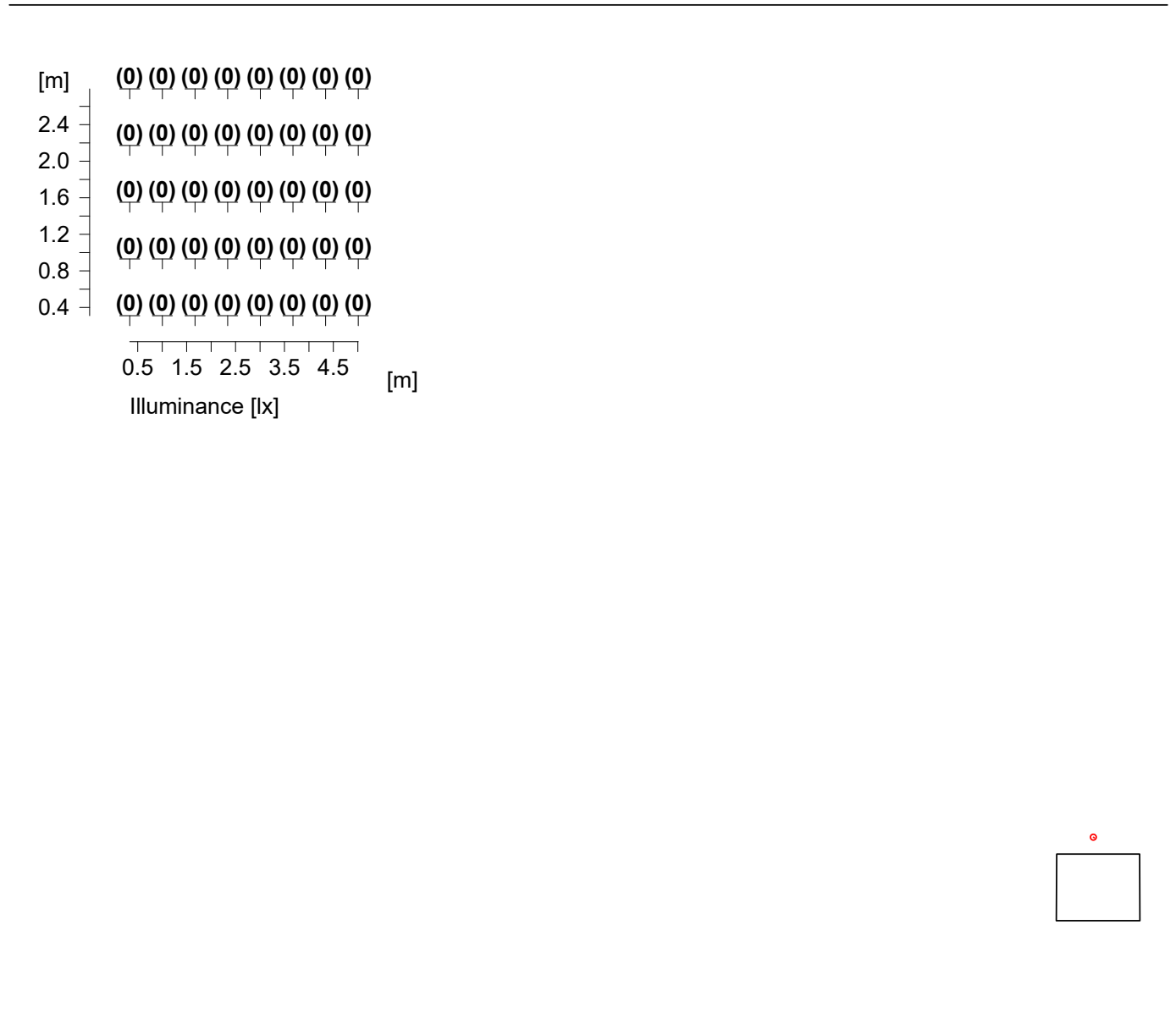
2.3.19 Table, House 16 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

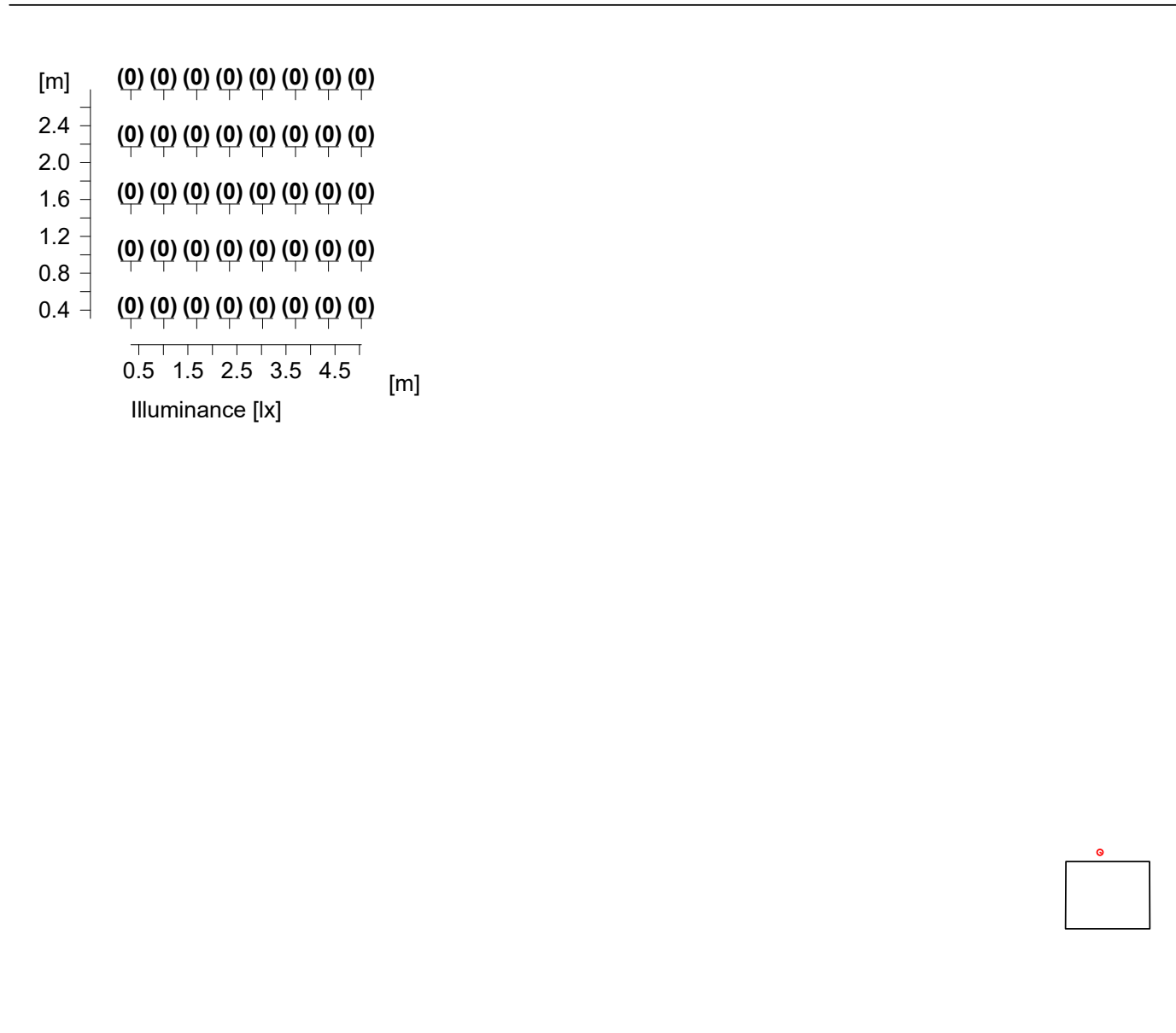
2.3.20 Table, House 17 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

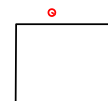
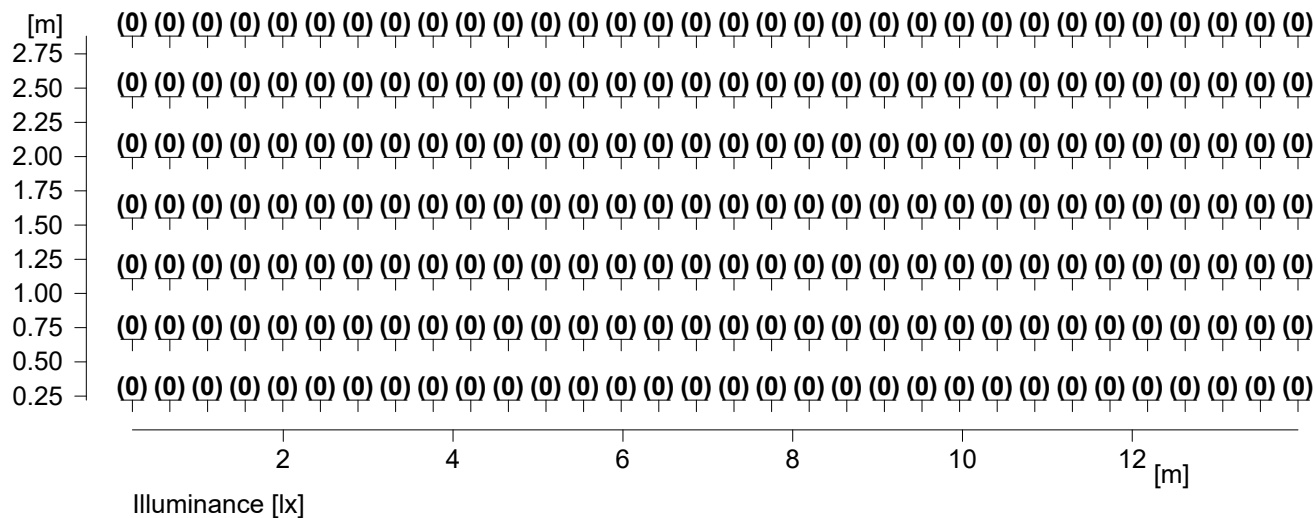
2.3.21 Table, House 18 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

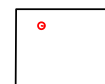
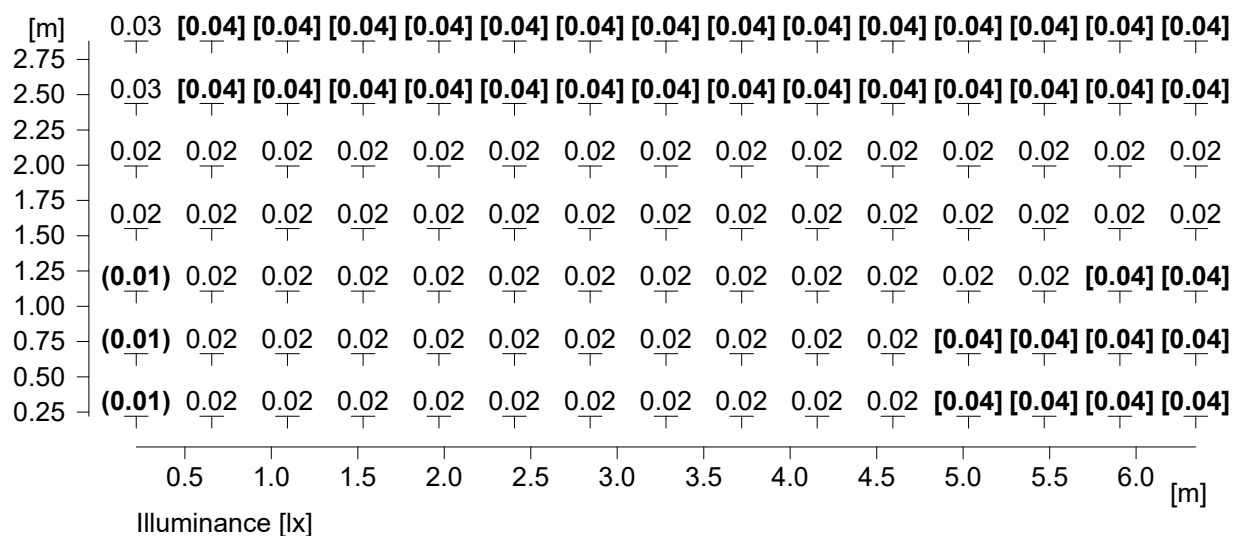
2.3.22 Table, House 19 (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

2.3.23 Table, Burbage Designer South (E)



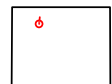
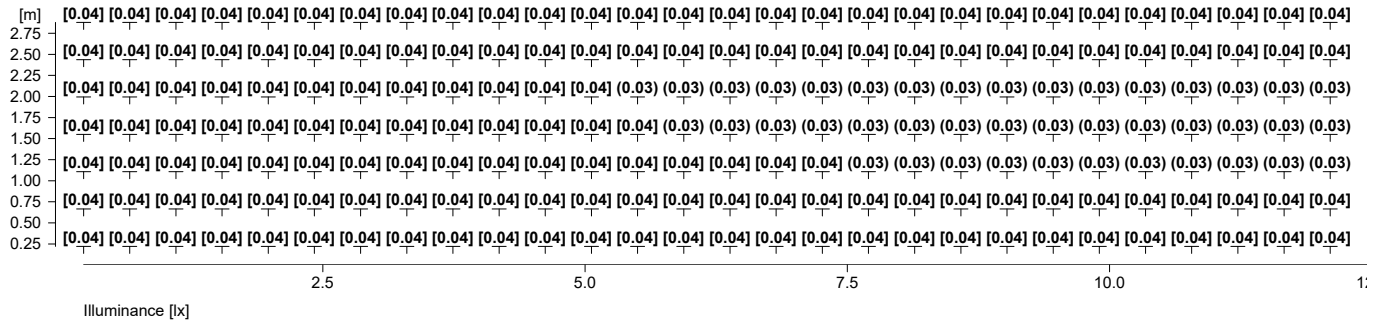
Average illuminance	E_m	: 0.03 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 0.04 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.96 (0.51)
Diversity U_d	E_{min}/E_{max}	: 1 : 2.93 (0.34)

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.24 Table, Burbage Designer East (E)



Part1

Average illuminance	E_m	: 0.04 lx
Minimum illuminance	E_{min}	: 0.03 lx
Maximum illuminance	E_{max}	: 0.04 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.20 (0.83)
Diversity U_d	E_{min}/E_{max}	: 1 : 1.43 (0.70)

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.24 Table, Burbage Designer East (E)

[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	[0.04]	[0.04]	(0.03)	(0.03)	
[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	[0.04]	[0.04]	[0.04]	[0.04]
(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	[0.04]	[0.04]	[0.04]	[0.04]
(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]
[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]	[0.04]
2.5													15.0																			25.0



Part2

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.24 Table, Burbage Designer East (E)

(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
[0.04]	(0.03)	(0.03)	(0.03)	(0.03)
[0.04]	[0.04]	[0.04]	[0.04]	[0.04]
(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
				27.5 [m]



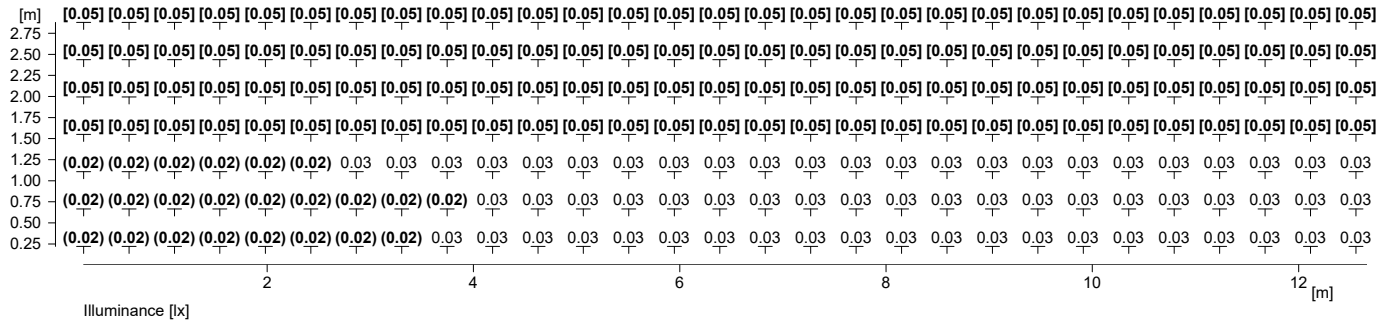
Part3

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.25 Table, Burbage Designer (E)



Part1

Average illuminance	E_m	: 0.04 lx
Minimum illuminance	E_{min}	: 0.02 lx
Maximum illuminance	E_{max}	: 0.05 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.70 (0.59)
Diversity U_d	E_{min}/E_{max}	: 1 : 2.16 (0.46)

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.25 Table, Burbage Designer (E)

[0,05]

[0,05]

[0,05]

[0,05]

0,03

0,03

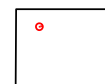
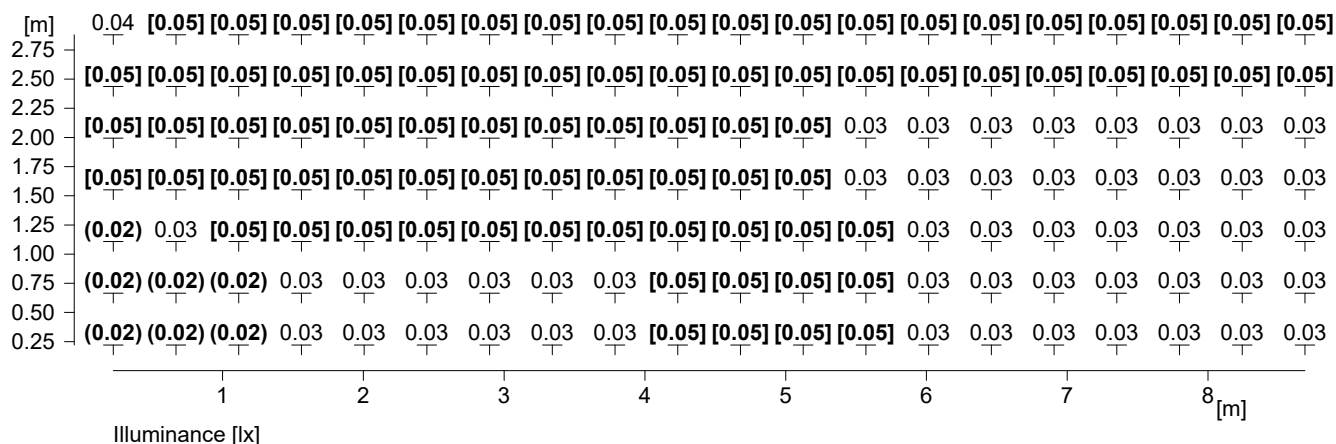
0,03



Part2

2.3 Calculation results, Exterior 1

2.3.26 Table, Burbage Designer (E)



Average illuminance	E_m	: 0.04 lx
Minimum illuminance	E_{min}	: 0.02 lx
Maximum illuminance	E_{max}	: 0.05 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.78 (0.56)
Diversity U_d	E_{min}/E_{max}	: 1 : 2.21 (0.45)

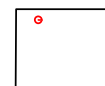
Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.27 Table, Burbage Designer (E)

[m]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	[0.03]	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	(0)	(0)	(0)	(0)																																																														
2.75	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
2.50	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
2.25	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
2.00	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
1.75	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
1.50	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
1.25	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
1.00	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
0.75	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
0.50	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
0.25	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)																																																														
Illuminance [lx]																																																																																															
2																4																6																8																10																12															



Part1

Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0.03 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.27 Table, Burbage Designer (E)

(0)	(0)	(0)	(0)
(0)	(0)	(0)	(0)
(0)	(0)	(0)	(0)
(0)	(0)	(0)	(0)
(0)	(0)	(0)	(0)
(0)	(0)	(0)	(0)
(0)	(0)	(0)	(0)

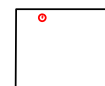
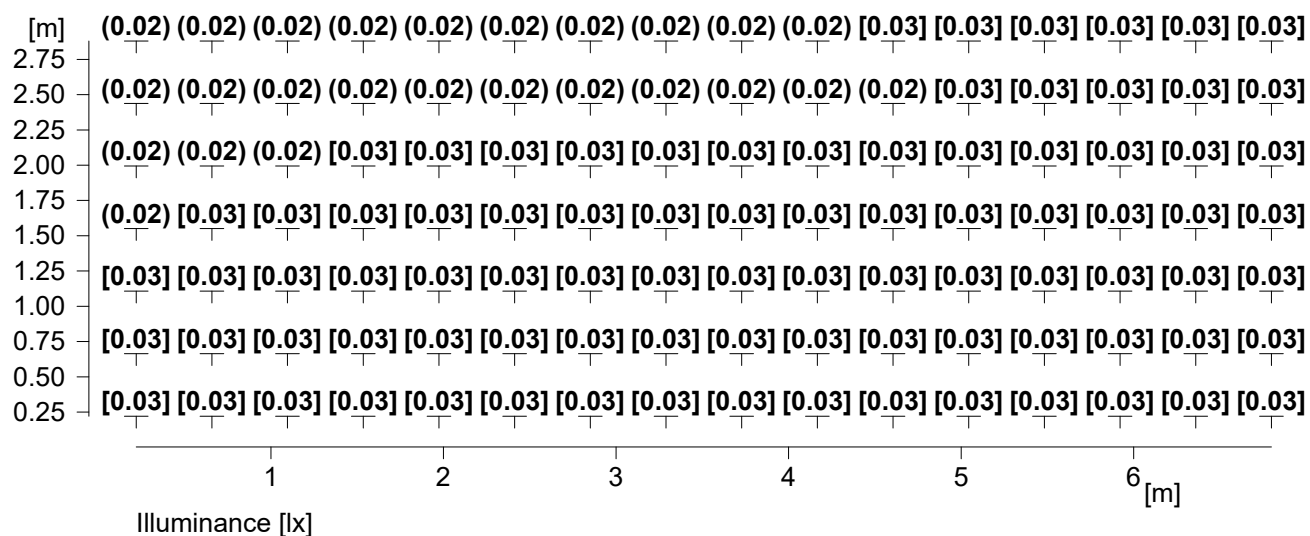
14 [m]



Part2

2.3 Calculation results, Exterior 1

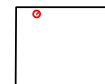
2.3.28 Table, Burbage Designer (E)



Average illuminance	E_m	: 0.03 lx
Minimum illuminance	E_{min}	: 0.02 lx
Maximum illuminance	E_{max}	: 0.03 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.12 (0.89)
Diversity U_d	E_{min}/E_{max}	: 1 : 1.30 (0.77)

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2.3.29 Table, Burbage Designer (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0.03 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.29 Table, Burbage Designer (E)

[0,03] [0,03]

0,02 0,02

0,02 0,02

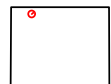
0,02 0,02

0,02 0,02

0,02 0,02

0,02 0,02

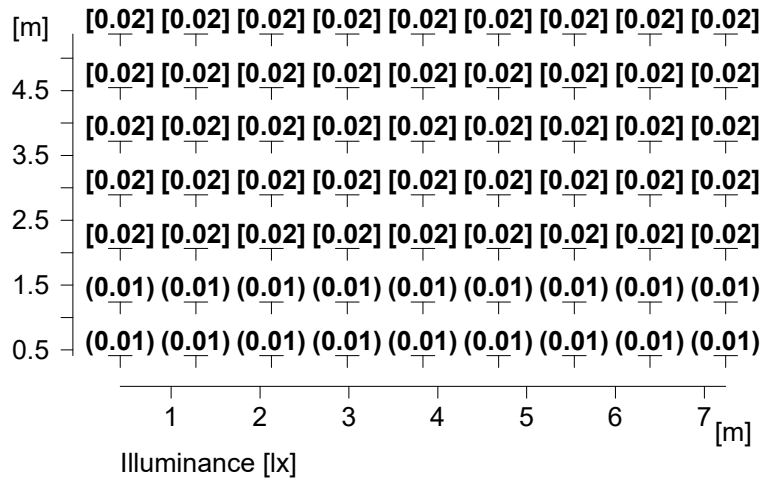
[m]



Part2

2.3 Calculation results, Exterior 1

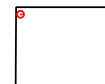
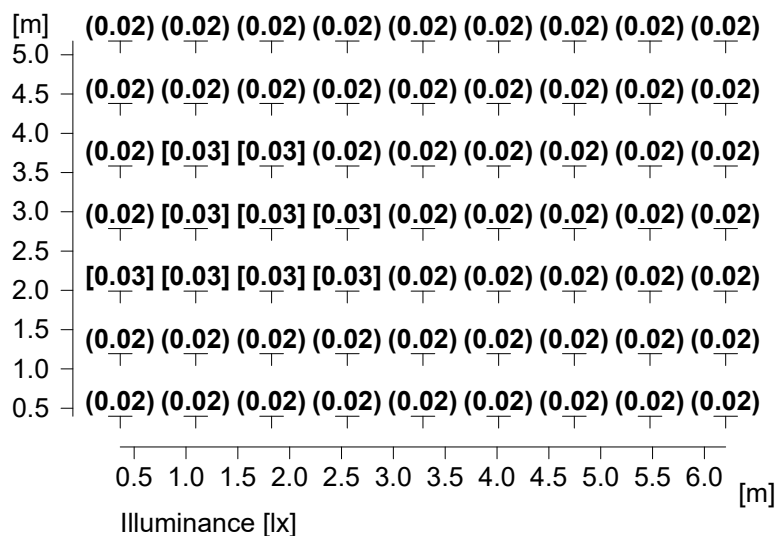
2.3.30 Table, House 26 East (E)



Average illuminance	E_m	: 0.02 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 0.02 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.80 (0.56)
Diversity U_d	E_{min}/E_{max}	: 1 : 2.21 (0.45)

2.3 Calculation results, Exterior 1

2.3.31 Table, House 26 South (E)



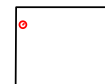
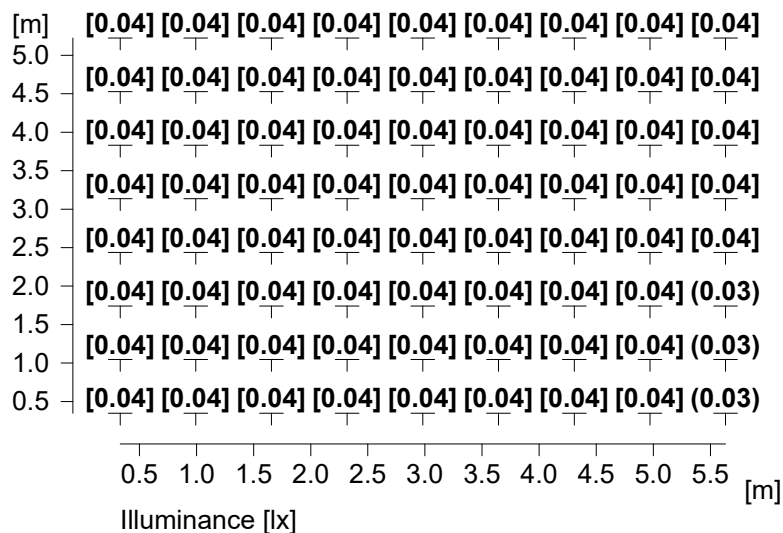
Average illuminance	E_m	: 0.02 lx
Minimum illuminance	E_{min}	: 0.02 lx
Maximum illuminance	E_{max}	: 0.03 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.17 (0.86)
Diversity U_d	E_{min}/E_{max}	: 1 : 1.27 (0.79)

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

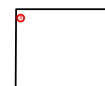
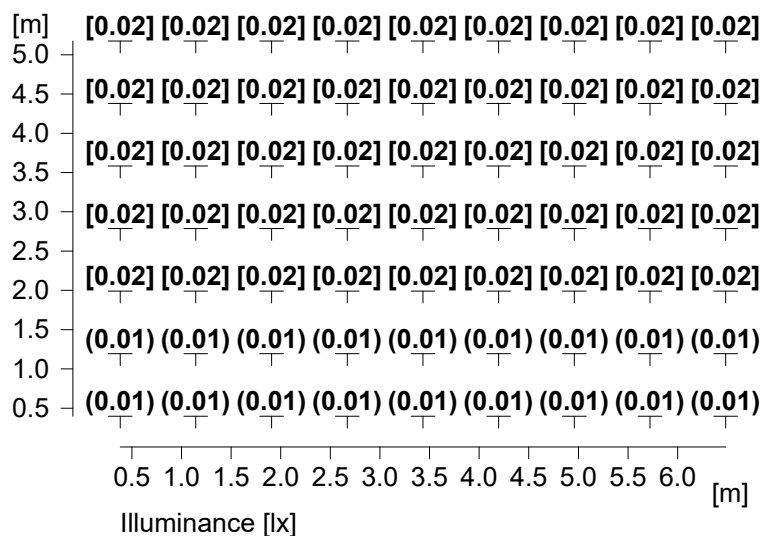
2.3.32 Table, House 27 (E)



Average illuminance	E_m	: 0.04 lx
Minimum illuminance	E_{min}	: 0.03 lx
Maximum illuminance	E_{max}	: 0.04 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.32 (0.76)
Diversity U_d	E_{min}/E_{max}	: 1 : 1.36 (0.74)

2.3 Calculation results, Exterior 1

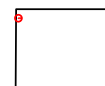
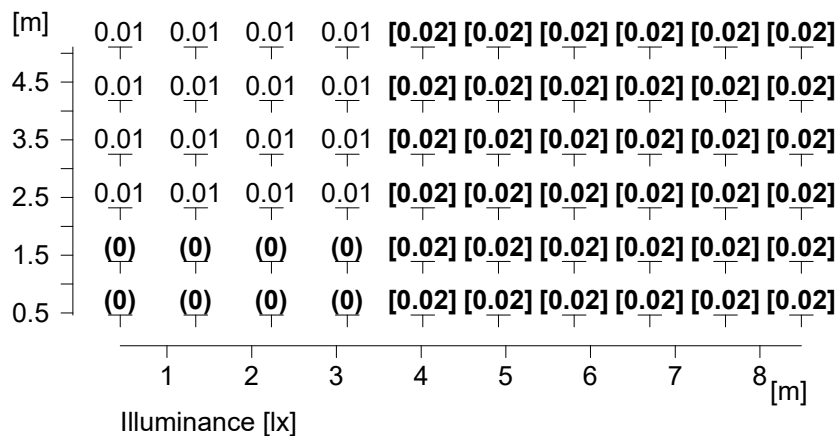
2.3.33 Table, House 28 East (E)



Average illuminance	E_m	: 0.02 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 0.02 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.71 (0.58)
Diversity U_d	E_{min}/E_{max}	: 1 : 2.03 (0.49)

2.3 Calculation results, Exterior 1

2.3.34 Table, House 28 South (E)



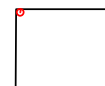
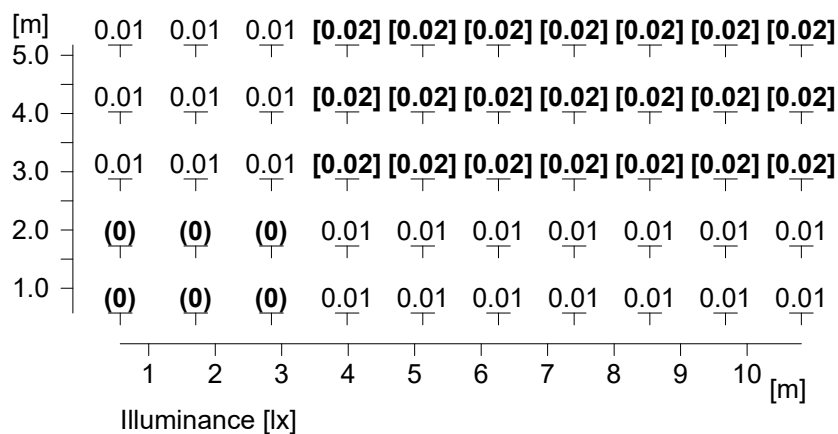
Average illuminance	E_m	: 0.02 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0.02 lx
Uniformity U_o	E_{min}/E_m	: 1 : 4.42 (0.23)
Diversity U_d	E_{min}/E_{max}	: 1 : 6.67 (0.15)

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.35 Table, House 29 East (E)

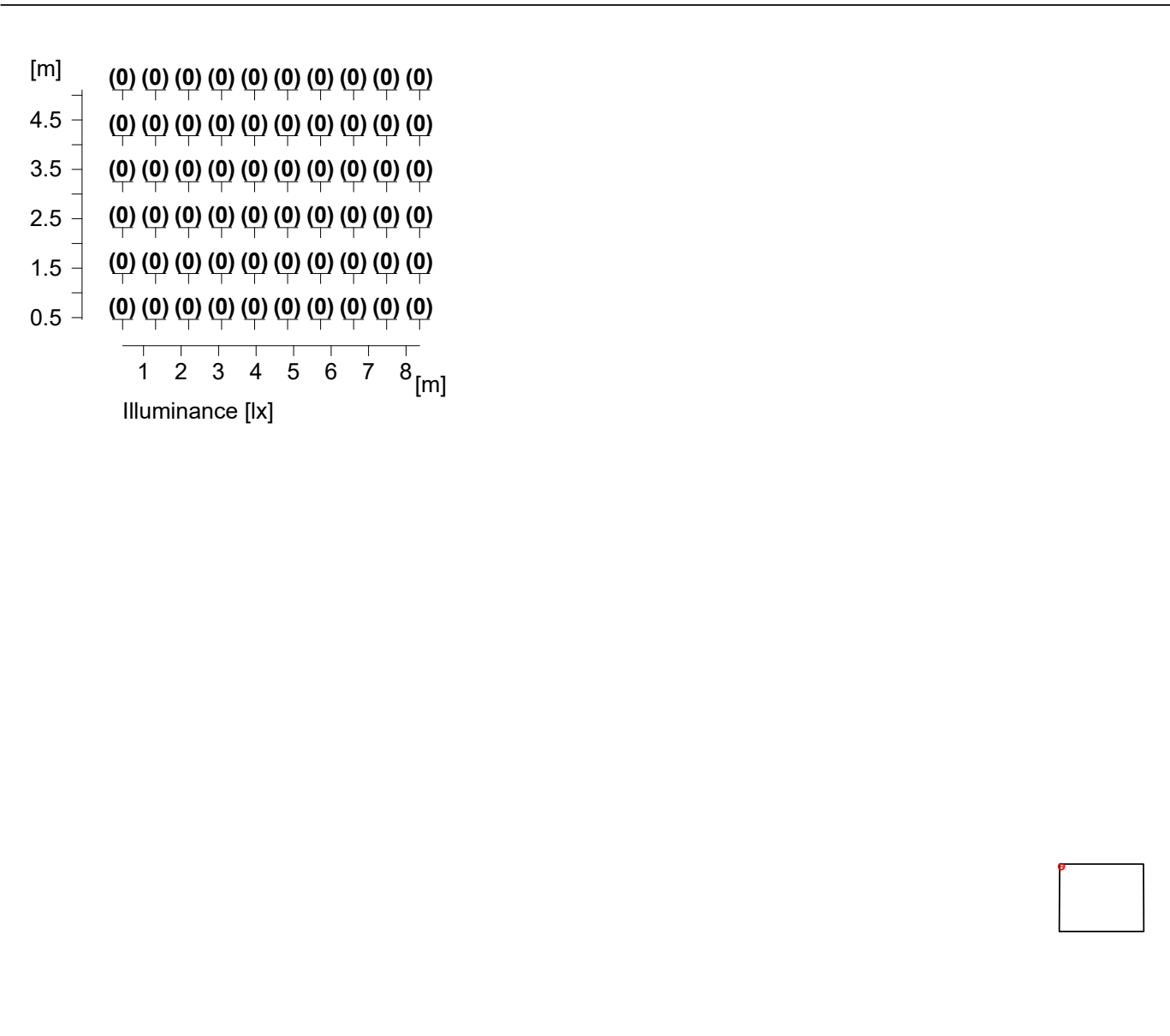


Average illuminance	E_m	: 0.01 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0.02 lx
Uniformity U_o	E_{min}/E_m	: 1 : 5.60 (0.18)
Diversity U_d	E_{min}/E_{max}	: 1 : 8.31 (0.12)



2.3 Calculation results, Exterior 1

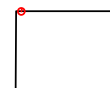
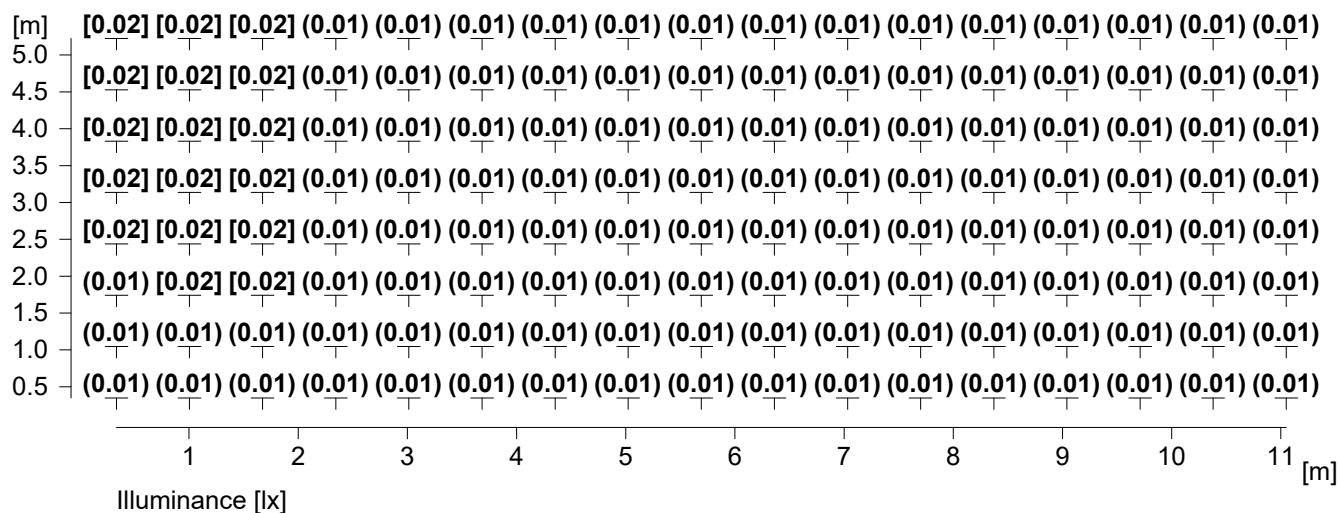
2.3.36 Table, House 29 South (E)



Average illuminance	E_m	: 0 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

2.3 Calculation results, Exterior 1

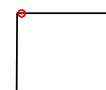
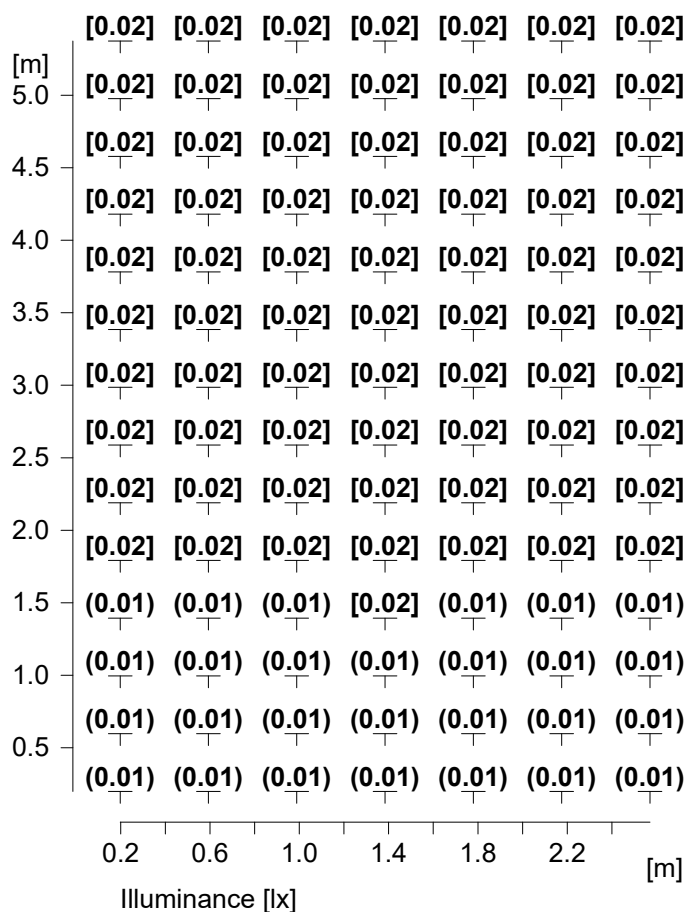
2.3.37 Table, House 30 East (E)



Average illuminance	E_m	: 0.01 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 0.02 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.40 (0.71)
Diversity U_d	E_{min}/E_{max}	: 1 : 2.56 (0.39)

2.3 Calculation results, Exterior 1

2.3.38 Table, House 30 South (E)



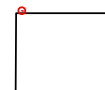
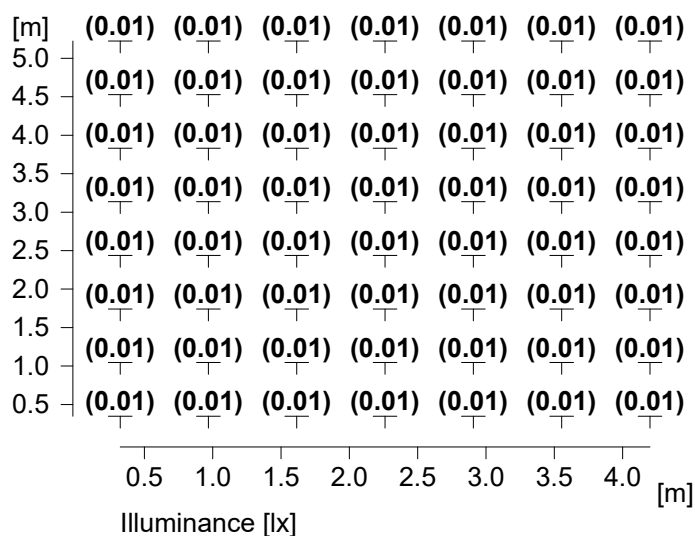
Average illuminance	E_m	: 0.02 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 0.02 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.33 (0.75)
Diversity U_d	E_{min}/E_{max}	: 1 : 1.47 (0.68)

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

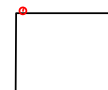
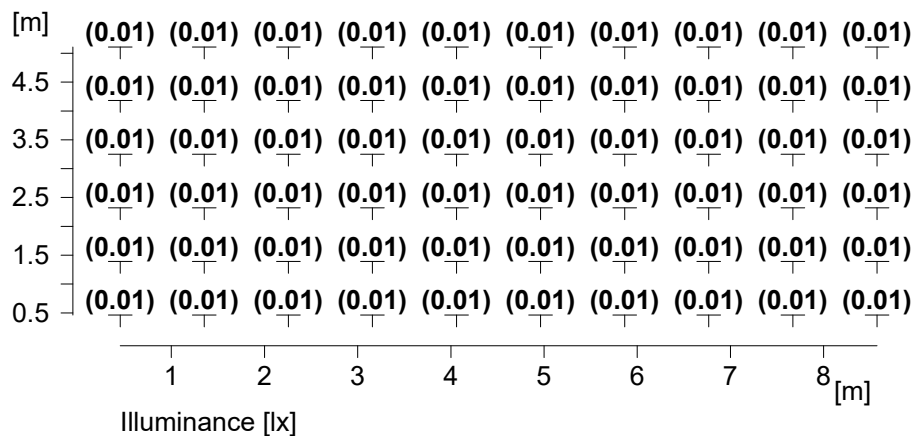
2.3.39 Table, House 31 South (E)



Average illuminance	E_m	: 0.01 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 0.01 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.12 (0.89)
Diversity U_d	E_{min}/E_{max}	: 1 : 1.18 (0.84)

2.3 Calculation results, Exterior 1

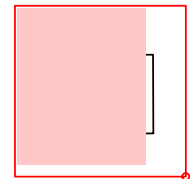
2.3.40 Table, House 31 East (E)



Average illuminance	E_m	: 0.01 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 0.01 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.27 (0.79)
Diversity U_d	E_{min}/E_{max}	: 1 : 1.42 (0.71)

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2.3.41 Table, ULR (E)



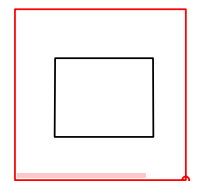
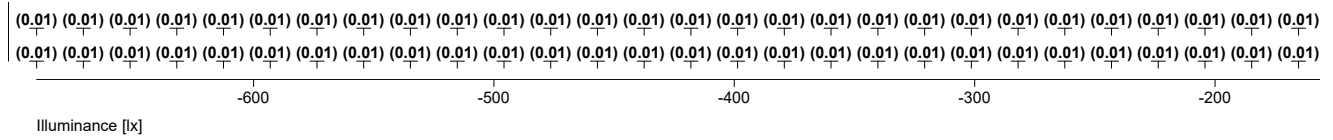
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2.3.41 Table, ULR (E)

Page 136/183

2.3 Calculation results, Exterior 1

2.3.41 Table, ULR (E)



Part3

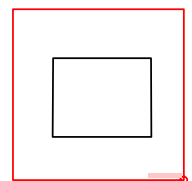
Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.41 Table, ULR (E)

(0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01)
(0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01) (0.01)
-100 [m]



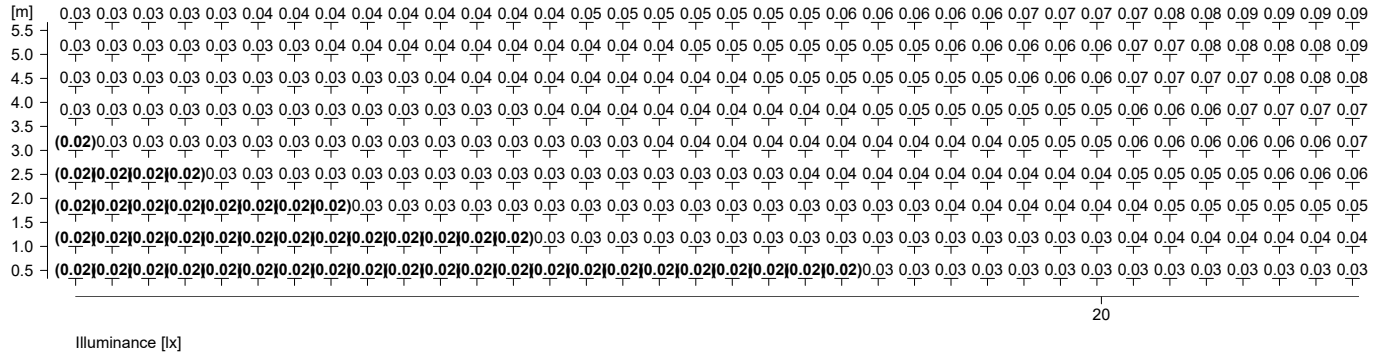
Part4

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.42 Table, BAT2 (E)



Part1

Average illuminance	E_m	: 0.36 lx
Minimum illuminance	E_{min}	: 0.02 lx
Maximum illuminance	E_{max}	: 1.1 lx
Uniformity U_o	E_{min}/E_m	: 1 : 19.16 (0.05)
Diversity U_d	E_{min}/E_{max}	: 1 : 58.03 (0.02)

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.42 Table, BAT2 (E)

0.1	0.1	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.17	0.17	0.18	0.19	0.2	0.2	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.34	0.35	0.35
0.09	0.09	0.1	0.1	0.11	0.11	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.15	0.16	0.17	0.17	0.18	0.19	0.2	0.2	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.3	0.31	0.31	0.32	0.32	0.33
0.08	0.09	0.09	0.09	0.1	0.1	0.1	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.16	0.17	0.18	0.19	0.19	0.2	0.21	0.22	0.23	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.29	0.29	0.3	0.3
0.08	0.08	0.08	0.08	0.09	0.09	0.1	0.1	0.1	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.17	0.17	0.18	0.19	0.2	0.2	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.27
0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.1	0.1	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.18	0.19	0.19	0.2	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24
0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.1	0.1	0.1	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.16	0.17	0.18	0.18	0.19	0.2	0.2	0.2	0.2	0.2
0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.1	0.1	0.1	0.11	0.11	0.12	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.17	0.17	0.16	0.16
0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.1	0.1	0.11	0.11	0.12	0.13	0.13	0.12	0.12	0.12	
0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.09	0.08	0.08	0.07	0.07	

40



Part2

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.42 Table, BAT2 (E)

0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.41	0.41	0.42	0.43	0.44	0.44	0.46		
0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.39	0.4	0.41	0.42	0.43	
0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.3	0.3	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.39		
0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.3	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.35		
0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.29	0.3	0.31	0.31		
0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.2	0.2	0.2	0.2	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27		
0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.22		
0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17		
0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.1	0.1	0.1	0.1	0.1	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12

60



Part3

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



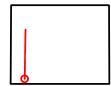
2.3 Calculation results, Exterior 1

2.3.42 Table, BAT2 (E)

0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.46	0.46	0.45	0.45	0.45	0.44	0.44	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.42	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.5	0.51	0.52
0.44	0.44	0.44	0.45	0.45	0.44	0.44	0.44	0.43	0.43	0.43	0.42	0.42	0.41	0.41	0.41	0.4	0.4	0.4	0.39	0.39	0.39	0.39	0.39	0.39	0.4	0.41	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.49	0.5	0.51	
0.39	0.4	0.41	0.41	0.41	0.41	0.41	0.4	0.4	0.4	0.4	0.39	0.39	0.38	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.4	0.41	0.42	0.43	0.44	0.46	0.47	0.48	0.5	
0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.35	0.35	0.35	0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.41	0.42	0.43	0.44	0.45	0.47	0.48	
0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.32	0.32	0.31	0.3	0.3	0.3	0.3	0.3	0.3	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.37	0.38	0.39	0.4	0.41	0.42	0.43	0.45	0.46
0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.36	0.37	0.38	0.39	0.4	0.42	0.43	0.44	
0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.35	0.36	0.37	0.38	0.4	0.41	0.42	
0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.19	0.19	0.19	0.19	0.2	0.2	0.21	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.3	0.31	0.33	0.34	0.35	0.36	0.37	0.39	0.41
0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.17	0.17	0.18	0.19	0.2	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.3	0.31	0.32	0.33	0.34	0.36	0.38	0.39	

80

100



Part4

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.42 Table, BAT2 (E)

0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.6	0.6	0.61	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.66	0.66	0.66	0.68	0.69	0.69	0.7	0.71	0.72	0.73	0.75	0.76	0.77	0.79	0.8	0.82
0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.6	0.6	0.61	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.67	0.68	0.69	0.7	0.71	0.72	0.73	0.74	0.76	0.77	0.78	0.8	0.82	0.84	
0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.6	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.7	0.71	0.72	0.73	0.74	0.75	0.77	0.78	0.8	0.82	0.84	0.86	
0.5	0.51	0.52	0.53	0.54	0.55	0.56	0.58	0.58	0.59	0.6	0.6	0.61	0.61	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.66	0.67	0.68	0.69	0.7	0.71	0.72	0.73	0.74	0.75	0.76	0.78	0.79	0.81	0.83	0.85	0.88	
0.48	0.49	0.5	0.52	0.53	0.54	0.56	0.56	0.57	0.58	0.58	0.59	0.59	0.6	0.61	0.61	0.62	0.63	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.7	0.71	0.72	0.73	0.74	0.76	0.77	0.79	0.81	0.82	0.85	0.87	0.89	
0.46	0.47	0.48	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.6	0.61	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.7	0.71	0.73	0.74	0.75	0.77	0.78	0.8	0.82	0.84	0.86	0.89	0.91	
0.44	0.46	0.47	0.48	0.5	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.7	0.72	0.73	0.74	0.76	0.77	0.79	0.81	0.83	0.85	0.87	0.9	0.92	
0.42	0.44	0.45	0.46	0.48	0.49	0.5	0.51	0.52	0.53	0.53	0.54	0.56	0.57	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.65	0.67	0.68	0.69	0.7	0.72	0.73	0.75	0.76	0.78	0.8	0.82	0.84	0.86	0.88	0.91	0.93	
0.41	0.42	0.43	0.44	0.46	0.47	0.48	0.49	0.5	0.51	0.52	0.53	0.54	0.55	0.57	0.58	0.59	0.6	0.62	0.63	0.64	0.65	0.66	0.68	0.69	0.7	0.72	0.73	0.75	0.77	0.78	0.81	0.83	0.85	0.87	0.89	0.91	0.94	

120



Part5

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.42 Table, BAT2 (E)

0.84	0.86	0.89	0.91	0.93	0.96	0.99	1.01	1.03	1.05	1.07	1.08	1.09	[1.1]	[1.1]	[1.1]	1.09	1.08	1.07	1.05	1.03	1	0.98	0.96	0.92	0.9	0.89	0.87	0.86	0.86	0.85	0.85	0.86	0.87	0.86	0.86	0.85	
0.86	0.88	0.91	0.93	0.96	0.98	1.01	1.03	1.05	1.07	1.08	1.09	[1.1]	[1.1]	[1.1]	[1.1]	1.09	1.08	1.06	1.05	1.02	1	0.97	0.95	0.92	0.91	0.89	0.88	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	
0.88	0.9	0.93	0.95	0.98	1	1.02	1.04	1.06	1.08	1.09	[1.1]	[1.1]	[1.1]	[1.1]	[1.1]	1.08	1.07	1.06	1.04	1.01	0.99	0.97	0.95	0.93	0.91	0.9	0.89	0.88	0.88	0.88	0.88	0.9	0.9	0.9	0.9	0.9	
0.9	0.92	0.95	0.97	0.99	1.02	1.04	1.05	1.07	1.08	1.09	[1.1]	[1.1]	[1.1]	[1.1]	[1.1]	1.09	1.08	1.06	1.05	1.03	1	0.98	0.97	0.94	0.93	0.91	0.9	0.9	0.9	0.89	0.9	0.91	0.92	0.92	0.92	0.91	
0.91	0.94	0.97	0.99	1.01	1.03	1.05	1.06	1.07	1.09	1.09	[1.1]	[1.1]	[1.1]	[1.1]	[1.1]	1.09	1.08	1.07	1.06	1.04	1.02	1	0.98	0.96	0.95	0.93	0.92	0.91	0.91	0.91	0.91	0.93	0.93	0.93	0.93	0.93	0.92
0.93	0.96	0.98	1	1.02	1.04	1.05	1.07	1.08	1.09	1.09	1.09	1.09	1.09	1.08	1.06	1.05	1.04	1.02	1	0.98	0.97	0.95	0.94	0.93	0.92	0.91	0.91	0.91	0.91	0.93	0.93	0.93	0.94	0.94	0.94	0.93	
0.93	0.96	0.98	1	1.02	1.03	1.05	1.06	1.07	1.08	1.08	1.08	1.08	1.07	1.07	1.05	1.04	1.03	1.01	0.99	0.98	0.96	0.95	0.94	0.93	0.92	0.92	0.92	0.92	0.92	0.94	0.94	0.94	0.94	0.95	0.94	0.93	
0.94	0.97	0.99	1	1.02	1.03	1.05	1.06	1.06	1.07	1.07	1.07	1.07	1.06	1.05	1.04	1.03	1.02	1	0.99	0.97	0.96	0.95	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.95	0.95	0.95	0.95	0.96	0.95	0.94	
0.95	0.97	0.99	1.01	1.02	1.03	1.04	1.05	1.06	1.06	1.06	1.06	1.05	1.05	1.04	1.03	1.02	1.01	0.99	0.98	0.97	0.96	0.95	0.94	0.94	0.93	0.94	0.94	0.94	0.95	0.95	0.96	0.96	0.96	0.96	0.95	0.94	

140



Part6

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.42 Table, BAT2 (E)

0.84	0.82	0.79	0.76	0.72	0.69	0.65	0.61	0.58	0.54	0.51	0.48	0.45	0.43	0.4	0.38	0.35	0.33	0.3	0.28	0.26	0.24	0.22	0.2	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.12	0.11	0.1	0.1	0.09	0.09	0.08		
0.86	0.84	0.81	0.78	0.74	0.71	0.67	0.63	0.59	0.56	0.52	0.49	0.46	0.43	0.41	0.39	0.36	0.34	0.31	0.29	0.27	0.25	0.23	0.21	0.2	0.18	0.17	0.15	0.14	0.13	0.13	0.12	0.11	0.11	0.1	0.1	0.09	0.09		
0.88	0.86	0.83	0.8	0.77	0.73	0.69	0.65	0.61	0.57	0.54	0.5	0.47	0.44	0.41	0.39	0.36	0.34	0.32	0.3	0.28	0.25	0.23	0.22	0.2	0.19	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.1	0.1	0.09	0.09		
0.9	0.88	0.85	0.82	0.78	0.74	0.71	0.66	0.62	0.58	0.55	0.51	0.48	0.45	0.42	0.39	0.37	0.34	0.32	0.3	0.28	0.26	0.24	0.22	0.21	0.19	0.18	0.17	0.15	0.14	0.13	0.13	0.12	0.11	0.11	0.1	0.1	0.09	0.09	
0.91	0.89	0.86	0.83	0.79	0.76	0.71	0.67	0.63	0.59	0.56	0.52	0.48	0.45	0.42	0.4	0.37	0.35	0.32	0.3	0.28	0.26	0.24	0.22	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.1	0.1	0.09	0.09	
0.91	0.89	0.86	0.83	0.79	0.75	0.71	0.67	0.63	0.6	0.56	0.52	0.49	0.46	0.43	0.4	0.37	0.35	0.32	0.3	0.28	0.26	0.24	0.22	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.12	0.11	0.1	0.1	0.09	0.09	
0.92	0.89	0.86	0.83	0.79	0.75	0.71	0.67	0.63	0.6	0.56	0.52	0.49	0.46	0.43	0.4	0.37	0.35	0.32	0.3	0.28	0.26	0.24	0.22	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.11	0.1	0.1	0.09	0.09
0.92	0.89	0.86	0.83	0.79	0.75	0.71	0.67	0.63	0.59	0.56	0.52	0.49	0.46	0.43	0.39	0.37	0.34	0.32	0.29	0.27	0.25	0.23	0.21	0.2	0.18	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.11	0.1	0.1	0.09	0.09	
0.92	0.89	0.86	0.83	0.79	0.75	0.7	0.66	0.62	0.59	0.55	0.52	0.47	0.44	0.42	0.39	0.36	0.34	0.31	0.29	0.27	0.25	0.23	0.21	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.12	0.11	0.11	0.1	0.1	0.09	0.09	
160															180																								



Part7

RELUX®

2.3.42 Table, BAT2 (E)



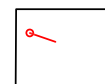
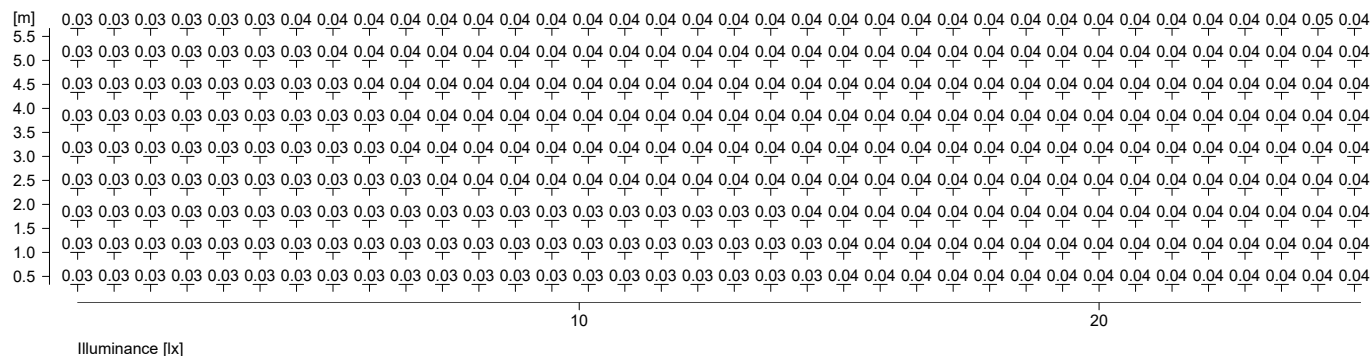
Page 146/183

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.43 Table, BAT3 (E)

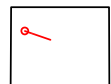


Part1

Average illuminance	E_m	: 0.12 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 0.4 lx
Uniformity U_o	E_{min}/E_m	: ---
Diversity U_d	E_{min}/E_{max}	: ---

RELUX®

2.3.43 Table, BAT3 (E)



Page 148/183

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.43 Table, BAT3 (E)

0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.1	0.11	0.12	0.12	0.12	0.13	0.14	0.15	0.15	0.16	0.17	0.17	0.19	0.2	0.2	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.28	0.28	0.29	0.29	
0.06	0.06	0.07	0.08	0.08	0.09	0.1	0.1	0.1	0.11	0.12	0.13	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18	0.2	0.21	0.21	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.3	0.3	0.31	
0.07	0.07	0.08	0.09	0.09	0.1	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.17	0.18	0.19	0.2	0.22	0.23	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.29	0.3	0.31	0.31	0.32	0.32	0.32	
0.07	0.08	0.09	0.1	0.11	0.11	0.12	0.13	0.13	0.15	0.16	0.17	0.15	0.16	0.17	0.18	0.2	0.2	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.27	0.28	0.2	0.2	0.2	0.14	0.14	0.14	
0.08	0.09	0.1	0.1	0.11	0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.17	0.18	0.19	0.2	0.2	0.21	0.21	0.22	0.21	0.25	0.25	0.25	0.21	0.21	0.2	0.2	0.2	0.2	0.19	0.16	0.15	0.15	0.15	0.15	0.15		
0.06	0.07	0.08	0.09	0.1	0.1	0.12	0.13	0.15	0.19	0.21	0.22	0.2	0.22	0.23	0.22	0.23	0.23	0.24	0.21	0.2	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.06	0.06	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
0.08	0.09	0.1	0.1	0.11	0.12	0.14	0.16	0.17	0.22	0.24	0.26	0.25	0.26	0.27	0.25	0.25	0.26	0.26	0.23	0.22	0.25	0.25	0.24	0.24	0.24	0.23	0.06	0.05	0.06	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
0.1	0.11	0.11	0.12	0.13	0.15	0.17	0.18	0.2	0.26	0.28	0.3	0.28	0.29	0.3	0.28	0.28	0.29	0.29	0.25	0.24	0.27	0.27	0.26	0.26	0.25	0.25	0.06	0.06	0.06	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)		
60																			70																			

RELUX®

2.3.43 Table, BAT3 (E)



Page 150/183

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

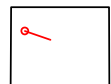


2.3 Calculation results, Exterior 1

2.3.43 Table, BAT3 (E)

0,36	0,36	0,36	0,36	0,36	0,36	0,36	0,36	0,36	0,36	0,36
0,37	0,37	0,37	0,37	0,37	0,37	0,37	0,36	0,36	0,36	0,36
0,37	0,37	0,37	0,37	0,37	0,37	0,37	0,37	0,37	0,37	0,37
0,38	0,37	0,37	0,37	0,37	0,37	0,37	0,37	0,37	0,37	0,37
0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,37	0,37	0,37
0,39	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38
0,39	0,39	0,39	0,39	0,39	0,39	0,39	0,39	0,38	0,38	0,38
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

110 [m]



Part5

RELUX®

2.3.44 Table, BAT4 (E)



Average illuminance	$\bar{E}_m$	: 0.09 lx
Minimum illuminance	E_{min}	: 0.03 lx
Maximum illuminance	E_{max}	: 0.14 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.58 (0.39)
Diversity U_d	E_{min}/E_{max}	: 1 : 4.00 (0.25)

RELUX®

2.3.44 Table, BAT4 (E)

Page 153/183

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.44 Table, BAT4 (E)

0.1	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	
0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06
0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06
0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06
0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07
0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07
0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07
0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07
50															60																



Part3

RELUX®

2.3.44 Table, BAT4 (E)



Page 155/183

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.44 Table, BAT4 (E)

0.04	0.04	(0.03)
0.04	0.04	0.04
0.04	0.04	0.04
0.04	0.04	0.04
0.04	0.04	0.04
0.05	0.05	0.05
0.05	0.05	0.05
0.06	0.05	0.05
0.06	0.06	0.06



Part5

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

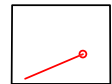


2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

[m]	0.41	0.41	0.4	0.39	0.38	0.37	0.36	0.35	0.34	0.33	0.33	0.32	0.31	0.31	0.3	0.29	0.28	0.28	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	
5.5	0.41	0.4	0.39	0.38	0.37	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.31	0.3	0.29	0.29	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28
5.0	0.41	0.4	0.39	0.38	0.37	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.31	0.3	0.29	0.29	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28
4.5	0.4	0.39	0.38	0.37	0.36	0.36	0.35	0.34	0.33	0.33	0.32	0.31	0.3	0.3	0.29	0.28	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	
4.0	0.39	0.38	0.37	0.36	0.36	0.36	0.35	0.34	0.33	0.33	0.32	0.31	0.31	0.3	0.3	0.29	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28
3.5	0.38	0.37	0.38	0.38	0.37	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.3	0.3	0.29	0.29	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28
3.0	0.38	0.37	0.38	0.38	0.37	0.36	0.35	0.34	0.34	0.33	0.32	0.31	0.3	0.3	0.29	0.29	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28
2.5	0.39	0.39	0.38	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.32	0.31	0.3	0.3	0.29	0.28	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28
2.0	0.39	0.39	0.38	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.31	0.3	0.3	0.29	0.29	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28
1.5	0.39	0.39	0.38	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.32	0.31	0.3	0.3	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29
1.0	0.39	0.39	0.38	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.32	0.31	0.3	0.3	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29
0.5	0.4	0.4	0.39	0.38	0.37	0.36	0.35	0.35	0.34	0.33	0.32	0.31	0.31	0.3	0.3	0.3	0.29	0.29	0.29	0.29	0.3	0.3	0.3	0.31	0.31	0.31	0.32	0.33	0.34	

Illuminance [lx]



Part1

Average illuminance	E_m	: 0.88 lx
Minimum illuminance	E_{min}	: 0.01 lx
Maximum illuminance	E_{max}	: 4.44 lx
Uniformity U_o	E_{min}/E_m	: 1 : 72.33 (0.01)
Diversity U_d	E_{min}/E_{max}	: 1 : 366.93 (0.00)

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

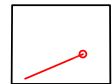


2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

0.28	0.29	0.3	0.31	0.32	0.33	0.35	0.36	0.38	0.4	0.42	0.45	0.47	0.5	0.52	0.54	0.56	0.58	0.6	0.62	0.63	0.64	0.65	0.66	0.66	0.62	0.62	0.62	0.61	0.61
0.29	0.29	0.3	0.31	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.48	0.51	0.53	0.56	0.58	0.6	0.62	0.64	0.65	0.67	0.68	0.69	0.7	0.65	0.65	0.65	0.64	0.64
0.28	0.29	0.3	0.31	0.32	0.33	0.35	0.37	0.39	0.41	0.43	0.45	0.48	0.51	0.54	0.57	0.59	0.61	0.64	0.65	0.67	0.68	0.69	0.71	0.71	0.66	0.66	0.66	0.65	0.65
0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.36	0.38	0.41	0.43	0.46	0.49	0.52	0.55	0.58	0.61	0.63	0.65	0.66	0.67	0.68	0.7	0.72	0.75	0.72	0.72	0.72	0.7	0.69
0.28	0.29	0.3	0.3	0.32	0.33	0.34	0.36	0.39	0.41	0.44	0.46	0.5	0.53	0.57	0.61	0.65	0.69	0.74	0.78	0.84	0.81	0.91	0.98	1.01	0.93	0.89	0.84	0.79	0.75
0.28	0.29	0.3	0.31	0.32	0.33	0.35	0.37	0.4	0.43	0.46	0.38	0.4	0.44	0.5	0.58	0.68	0.81	0.95	1.11	1.29	1.44	1.53	1.55	1.52	1.35	1.21	1.07	0.94	0.84
0.29	0.3	0.31	0.28	0.29	0.3	0.32	0.36	0.41	0.47	0.55	0.64	0.76	0.91	1.1	1.46	1.68	1.91	2.15	2.36	2.53	2.58	2.52	2.36	2.14	1.81	1.55	1.33	1.1	0.92
0.3	0.31	0.33	0.35	0.39	0.44	0.52	0.62	0.76	0.93	1.12	1.34	1.59	1.85	2.15	2.44	2.74	3.03	3.35	3.54	3.66	3.64	3.49	3.18	2.76	2.23	1.81	1.45	1.15	0.93
0.36	0.4	0.44	0.51	0.61	0.73	0.89	1.08	1.29	1.56	1.83	2.12	2.52	2.79	3.1	3.42	3.77	4.06	4.3	[4.44]	4.4	4.25	3.95	3.55	3.01	2.36	1.84	1.41	1.07	0.88

25



Part2

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

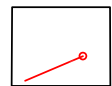


2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

0.6	0.59	0.59	0.58	0.57	0.56	0.55	0.54	0.52	0.51	0.5	0.49	0.47	0.46	0.45	0.44	0.42	0.41	0.4	0.39	0.38	0.37	0.36	0.35	0.34	0.33	0.33	0.32	0.32	0.31
0.63	0.62	0.61	0.6	0.59	0.58	0.56	0.55	0.53	0.52	0.5	0.49	0.47	0.45	0.44	0.42	0.41	0.4	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.32	0.31	0.3	0.3	0.29
0.64	0.63	0.62	0.61	0.6	0.59	0.58	0.56	0.54	0.53	0.51	0.5	0.49	0.47	0.46	0.45	0.43	0.41	0.39	0.37	0.36	0.34	0.33	0.32	0.31	0.3	0.29	0.29	0.28	0.28
0.67	0.65	0.64	0.64	0.63	0.62	0.61	0.6	0.58	0.57	0.55	0.54	0.53	0.51	0.51	0.5	0.49	0.48	0.46	0.44	0.42	0.39	0.37	0.35	0.33	0.31	0.3	0.29	0.28	0.27
0.72	0.69	0.68	0.67	0.67	0.66	0.65	0.65	0.64	0.62	0.61	0.6	0.6	0.6	0.59	0.59	0.59	0.57	0.57	0.55	0.52	0.48	0.45	0.41	0.39	0.36	0.34	0.32	0.3	0.29
0.77	0.73	0.71	0.69	0.7	0.7	0.69	0.68	0.68	0.67	0.67	0.66	0.66	0.65	0.65	0.65	0.66	0.68	0.68	0.66	0.64	0.6	0.56	0.51	0.47	0.43	0.4	0.38	0.35	0.33
0.81	0.76	0.73	0.72	0.72	0.73	0.72	0.71	0.71	0.71	0.71	0.71	0.7	0.69	0.68	0.67	0.69	0.71	0.73	0.74	0.73	0.7	0.66	0.61	0.56	0.51	0.47	0.44	0.42	0.39
0.82	0.77	0.74	0.74	0.73	0.74	0.73	0.73	0.74	0.75	0.74	0.74	0.73	0.71	0.69	0.67	0.67	0.69	0.72	0.75	0.76	0.76	0.73	0.7	0.66	0.61	0.56	0.51	0.48	0.44
0.78	0.74	0.73	0.73	0.73	0.72	0.72	0.73	0.76	0.79	0.79	0.77	0.74	0.72	0.68	0.66	0.65	0.64	0.67	0.71	0.74	0.76	0.76	0.75	0.73	0.68	0.62	0.58	0.54	0.5

50



Part3

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

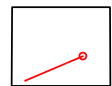


2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

0.31	0.31	0.3	0.3	0.3	0.3	0.31	0.31	0.31	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.38	0.39	0.4	0.41	0.43	0.44	0.46	0.47	0.49	0.5	0.52	0.54	0.55	0.57
0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.3	0.3	0.31	0.32	0.32	0.33	0.34	0.35	0.36	0.37	0.39	0.4	0.41	0.43	0.44	0.46	0.48	0.49	0.51	0.52	0.54
0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.39	0.4	0.41	0.43	0.44	0.46	0.47	0.49	0.5
0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.36	0.37	0.38	0.39	0.41	0.42	0.44	0.45	0.47
0.28	0.27	0.26	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.27	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.36	0.37	0.38	0.4	0.41	0.43
0.31	0.29	0.28	0.27	0.26	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.34	0.35	0.36	0.38	0.38
0.36	0.34	0.32	0.3	0.29	0.27	0.26	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.29	0.3	0.31	0.32	0.33	0.35	0.36	0.37	0.38
0.41	0.39	0.36	0.34	0.32	0.3	0.29	0.28	0.27	0.26	0.26	0.25	0.25	0.25	0.26	0.26	0.27	0.28	0.29	0.31	0.33	0.35	0.36	0.38	0.39	0.41	0.43	0.44	0.45	0.47
0.47	0.43	0.4	0.37	0.35	0.33	0.31	0.3	0.28	0.28	0.27	0.26	0.26	0.27	0.27	0.28	0.29	0.31	0.33	0.36	0.38	0.41	0.44	0.45	0.47	0.49	0.52	0.56	0.57	0.61

75



Part4

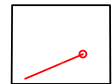
Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

0.59	0.6	0.62	0.63	0.65	0.66	0.67	0.68	0.69	0.7	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.78	0.79	0.8	0.82	0.83	0.85	0.86	0.88	0.89	0.91	0.92	0.94	0.95
0.55	0.57	0.59	0.6	0.61	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.7	0.7	0.71	0.72	0.73	0.74	0.75	0.77	0.78	0.8	0.81	0.83	0.84	0.86	0.88	0.89	0.91	0.92
0.52	0.53	0.55	0.56	0.58	0.59	0.6	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.7	0.71	0.72	0.73	0.74	0.76	0.77	0.79	0.81	0.82	0.84	0.85	0.86	0.88	0.89
0.48	0.49	0.51	0.52	0.54	0.55	0.56	0.57	0.58	0.59	0.61	0.62	0.63	0.64	0.66	0.68	0.7	0.73	0.75	0.79	0.82	0.85	0.88	0.91	0.94	0.97	0.98	1.01	1.03	1.06
0.44	0.45	0.47	0.48	0.49	0.51	0.52	0.53	0.54	0.56	0.57	0.58	0.6	0.62	0.64	0.68	0.71	0.76	0.8	0.87	0.93	0.99	1.06	1.11	1.14	1.2	1.26	1.31	1.37	1.43
0.39	0.41	0.42	0.44	0.45	0.46	0.48	0.49	0.5	0.52	0.54	0.56	0.59	0.63	0.66	0.69	0.75	0.83	0.9	0.99	1.07	1.16	1.25	1.33	1.42	1.49	1.56	1.66	1.76	1.86
0.39	0.41	0.43	0.45	0.47	0.49	0.5	0.52	0.55	0.58	0.62	0.64	0.67	0.71	0.74	0.78	0.82	0.89	0.97	1.06	1.17	1.27	1.39	1.52	1.64	1.79	1.93	2.08	2.23	2.35
0.49	0.51	0.54	0.57	0.58	0.6	0.62	0.65	0.68	0.7	0.74	0.76	0.79	0.82	0.85	0.87	0.89	0.93	0.98	1.06	1.16	1.27	1.41	1.56	1.71	1.85	1.99	2.14	2.29	2.41
0.64	0.68	0.7	0.74	0.78	0.81	0.83	0.84	0.86	0.89	0.9	0.92	0.95	0.98	0.99	0.98	0.97	0.97	0.99	1.03	1.1	1.2	1.31	1.46	1.6	1.73	1.87	2.02	2.18	2.29
100																													



Part5

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

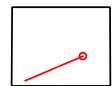


2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

0.97	0.98	0.98	0.99	0.99	0.99	0.98	0.97	0.96	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.76	0.74	0.72	0.7	0.67	0.65	0.63	0.61	0.6	0.58	0.56	0.55
0.93	0.94	0.95	0.97	0.97	0.97	0.97	0.96	0.95	0.94	0.92	0.91	0.89	0.87	0.85	0.84	0.82	0.8	0.78	0.76	0.74	0.73	0.7	0.68	0.66	0.65	0.63	0.61	0.6	0.58
0.91	0.93	0.94	0.95	0.97	0.98	1	1	0.99	0.99	0.98	0.97	0.95	0.94	0.91	0.88	0.86	0.84	0.82	0.79	0.78	0.76	0.74	0.73	0.72	0.71	0.7	0.69	0.68	0.66
1.1	1.13	1.15	1.16	1.18	1.23	1.25	1.28	1.27	1.27	1.26	1.23	1.17	1.1	1.04	0.99	0.96	0.93	0.89	0.86	0.84	0.83	0.81	0.8	0.79	0.79	0.78	0.78	0.77	0.77
1.5	1.55	1.59	1.61	1.63	1.64	1.66	1.66	1.66	1.66	1.62	1.54	1.43	1.31	1.2	1.13	1.07	1.02	0.98	0.96	0.94	0.93	0.92	0.91	0.91	0.91	0.91	0.91	0.89	0.89
1.94	2.02	2.07	2.12	2.13	2.12	2.09	2.08	2.05	1.98	1.88	1.74	1.56	1.4	1.28	1.2	1.15	1.1	1.06	1.03	1.01	1	0.99	0.99	0.99	0.99	1	1.01	1.02	1.03
2.46	2.55	2.61	2.65	2.66	2.61	2.52	2.42	2.29	2.14	1.94	1.69	1.5	1.34	1.24	1.19	1.14	1.1	1.05	1.02	1	0.99	0.98	0.98	0.95	0.95	0.96	0.97	0.99	1.01
2.51	2.6	2.65	2.66	2.65	2.56	2.44	2.29	2.12	1.93	1.73	1.51	1.37	1.27	1.2	1.16	1.12	1.09	1.05	1.01	0.99	0.98	0.96	0.96	0.97	0.98	0.99	1.01	1.03	1.05
2.39	2.45	2.48	2.47	2.42	2.3	2.14	1.96	1.78	1.62	1.49	1.38	1.29	1.22	1.18	1.14	1.12	1.09	1.06	1.03	1.01	0.98	0.96	0.96	0.97	0.98	1	1.02	1.05	1.08

125



Part6

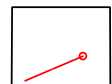
Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

0.54	0.53	0.55	0.55	0.54	0.54	0.55	0.55	0.56	0.57	0.58	0.59	0.6	0.62	0.63	0.65	0.68	0.7	0.73	0.77	0.79	0.83	0.88	0.94	1	1.05	1.1	1.15	1.2	1.24
0.56	0.54	0.53	0.51	0.5	0.49	0.49	0.54	0.55	0.55	0.56	0.57	0.59	0.6	0.62	0.64	0.66	0.68	0.7	0.74	0.78	0.8	0.84	0.88	0.93	0.98	1.03	1.07	1.12	1.16
0.65	0.61	0.59	0.58	0.56	0.54	0.52	0.51	0.49	0.48	0.48	0.55	0.56	0.58	0.59	0.6	0.61	0.62	0.65	0.67	0.69	0.71	0.74	0.8	0.84	0.86	0.88	0.91	1.02	1.06
0.77	0.75	0.75	0.75	0.74	0.73	0.72	0.66	0.64	0.62	0.6	0.57	0.55	0.53	0.54	0.55	0.65	0.65	0.66	0.66	0.66	0.7	0.71	0.72	0.77	0.8	0.82	0.82	0.81	0.82
0.9	0.9	0.9	0.91	0.92	0.93	0.94	0.95	0.96	0.96	0.96	0.96	0.94	0.84	0.81	0.78	0.75	0.72	0.7	0.69	0.73	0.7	0.66	0.63	0.63	0.69	0.68	0.67	0.68	0.67
1.05	1.05	1.03	1.05	1.04	1.07	1.1	1.11	1.15	1.18	1.21	1.24	1.22	1.23	1.24	1.23	1.22	1.23	1.11	1.05	0.99	0.91	0.83	0.76	0.7	0.65	0.6	0.61	0.64	0.63
1.03	1.05	1.08	1.11	1.15	1.2	1.26	1.32	1.38	1.45	1.51	1.57	1.62	1.67	1.71	1.71	1.72	1.76	1.7	1.62	1.5	1.37	1.22	1.06	0.93	0.8	0.71	0.69	0.7	0.68
1.08	1.11	1.14	1.2	1.26	1.33	1.41	1.48	1.57	1.66	1.74	1.82	1.89	1.96	2.03	2.07	2.1	2.16	2.12	2.03	1.89	1.69	1.45	1.28	1.11	0.96	0.82	0.76	0.74	0.72
1.12	1.15	1.21	1.29	1.36	1.44	1.53	1.62	1.71	1.8	1.89	1.95	2.02	2.06	2.1	2.14	2.15	2.2	2.19	2.07	1.89	1.68	1.46	1.31	1.14	0.98	0.82	0.74	0.74	0.72



Part7

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

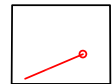


2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

1.29	1.31	1.32	1.33	1.38	1.37	1.34	1.32	1.35	1.32	1.28	1.25	1.22	1.26	1.23	1.18	1.13	1.09	1.05	1.01	0.98	0.95	0.93	0.91	0.89	0.87	0.86	0.85	0.84	0.83
1.21	1.23	1.24	1.24	1.24	1.23	1.21	1.2	1.23	1.22	1.24	1.2	1.18	1.21	1.18	1.13	1.1	1.06	1.02	0.99	0.96	0.93	0.9	0.88	0.87	0.85	0.84	0.83	0.83	0.83
1.1	1.13	1.13	1.14	1.14	1.13	1.12	1.12	1.17	1.16	1.19	1.16	1.14	1.17	1.14	1.1	1.07	1.03	1	0.96	0.94	0.91	0.89	0.87	0.85	0.84	0.83	0.83	0.82	0.82
0.85	0.87	0.87	0.88	0.88	0.88	0.88	0.91	1.05	1.06	1.1	1.08	1.06	1.09	1.1	1.06	1.04	1	0.97	0.95	0.92	0.9	0.87	0.86	0.84	0.83	0.83	0.83	0.82	0.83
0.67	0.64	0.64	0.65	0.66	0.67	0.69	0.73	0.89	0.92	1.03	1.03	1.02	1.05	1.06	1.04	1.03	1	0.97	0.94	0.92	0.89	0.87	0.86	0.84	0.84	0.83	0.83	0.84	0.84
0.63	0.63	0.62	0.65	0.63	0.64	0.67	0.71	0.88	0.92	1.03	1.03	1.04	1.06	1.08	1.05	1.04	1.01	0.99	0.96	0.93	0.91	0.89	0.88	0.87	0.86	0.85	0.85	0.86	0.87
0.67	0.66	0.66	0.71	0.69	0.66	0.64	0.68	0.86	0.91	1.03	1.04	1.04	1.06	1.08	1.05	1.05	1.02	0.99	0.96	0.94	0.92	0.9	0.89	0.87	0.86	0.85	0.85	0.86	0.87
0.72	0.73	0.73	0.78	0.75	0.71	0.69	0.69	0.82	0.87	1.01	1.02	1.02	1.03	1.05	1.03	1.03	1	0.97	0.94	0.91	0.9	0.89	0.88	0.87	0.86	0.86	0.86	0.87	0.88
0.74	0.77	0.79	0.86	0.85	0.8	0.77	0.74	0.85	0.84	0.94	0.95	0.96	0.97	1	0.99	0.99	0.96	0.93	0.9	0.88	0.87	0.87	0.87	0.87	0.86	0.85	0.85	0.86	0.86

150



Part8

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

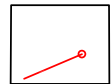


2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

0.83	0.82	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.87	0.87	0.87	0.86	0.86	0.86	0.85	0.85	0.85	0.84
0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.87	0.87	0.88	0.89	0.9	0.9	0.9	0.9	0.9	0.9	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.87
0.82	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.87	0.88	0.88	0.89	0.9	0.91	0.92	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.9
0.83	0.83	0.84	0.84	0.84	0.84	0.85	0.85	0.86	0.87	0.88	0.89	0.9	0.91	0.92	0.93	0.94	0.94	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94
0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.88	0.9	0.91	0.93	0.95	0.96	0.97	0.97	0.97	0.96	0.96	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.98	0.98
0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.89	0.91	0.93	0.96	0.99	1.03	1.06	1.1	1.13	1.14	1.12	1.09	1.06	1.09	1.07	1.05	1.03	1.02	1.02	1.02	1.02	1.02	1.03
0.89	0.9	0.9	0.9	0.89	0.89	0.9	0.91	0.94	0.97	1.02	1.09	1.15	1.23	1.32	1.4	1.45	1.47	1.46	1.42	1.35	1.27	1.18	1.11	1.05	1.01	0.99	0.98	0.98	0.99
0.91	0.92	0.92	0.91	0.9	0.9	0.9	0.92	0.95	1.01	1.08	1.18	1.31	1.45	1.6	1.75	1.88	2	2.09	2.14	2.13	2.05	1.95	1.83	1.7	1.49	1.41	1.34	1.28	1.23
0.9	0.92	0.91	0.9	0.9	0.9	0.91	0.93	0.97	1.04	1.12	1.26	1.44	1.65	1.87	2.12	2.37	2.6	2.77	2.85	2.84	2.81	2.74	2.6	2.44	2.3	2.18	2.05	1.92	1.81

175



Part9

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

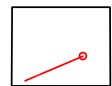


2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

0.84	0.84	0.84	0.85	0.86	0.87	0.89	0.9	0.92	0.93	0.95	0.97	0.98	1	1.03	1.05	1.07	1.1	1.12	1.15	1.18	1.2	1.22	1.24	1.27	1.29	1.31	1.34	1.36	1.38
0.87	0.87	0.88	0.89	0.9	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.05	1.07	1.09	1.12	1.15	1.17	1.2	1.23	1.26	1.29	1.31	1.33	1.36	1.39	1.42	1.44	1.47	1.49
0.91	0.91	0.92	0.93	0.94	0.96	0.98	1	1.02	1.04	1.07	1.09	1.12	1.14	1.17	1.2	1.23	1.26	1.28	1.31	1.34	1.37	1.4	1.43	1.46	1.49	1.52	1.55	1.58	1.6
0.94	0.95	0.96	0.97	0.98	1	1.03	1.05	1.07	1.1	1.13	1.16	1.19	1.22	1.25	1.28	1.31	1.33	1.36	1.4	1.43	1.46	1.49	1.52	1.55	1.58	1.62	1.65	1.68	1.71
0.98	0.99	1	1.02	1.04	1.06	1.08	1.1	1.13	1.16	1.19	1.22	1.25	1.28	1.32	1.35	1.39	1.42	1.45	1.48	1.51	1.55	1.58	1.62	1.65	1.68	1.71	1.75	1.79	1.82
1.03	1.04	1.05	1.07	1.09	1.11	1.13	1.16	1.19	1.22	1.25	1.28	1.32	1.35	1.39	1.43	1.46	1.5	1.54	1.57	1.6	1.64	1.67	1.71	1.74	1.78	1.82	1.85	1.9	1.94
1.01	1.1	1.11	1.13	1.14	1.17	1.19	1.22	1.25	1.28	1.31	1.35	1.38	1.42	1.46	1.5	1.54	1.58	1.62	1.66	1.7	1.74	1.77	1.81	1.84	1.88	1.92	1.96	2.01	2.06
1.2	1.17	1.16	1.16	1.17	1.18	1.21	1.24	1.27	1.32	1.38	1.41	1.45	1.5	1.54	1.58	1.62	1.66	1.7	1.74	1.79	1.83	1.87	1.91	1.94	1.98	2.02	2.07	2.12	2.17
1.68	1.57	1.49	1.43	1.39	1.36	1.35	1.36	1.38	1.41	1.44	1.48	1.52	1.56	1.62	1.66	1.71	1.76	1.79	1.83	1.88	1.92	1.96	2	2.04	2.08	2.11	2.16	2.22	2.27

200



Part10

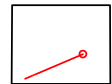
Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.45 Table, BAT5 (E)

1.4	1.41	1.43	1.44	1.46	1.49	1.5	1.53	1.54	1.55	1.56	1.58	1.58	1.59	1.61	1.62	1.63	1.65	1.7	1.71	1.7	1.68	1.62	1.52	1.38	1.2	0.94	0.76	0.59	0.45
1.51	1.53	1.54	1.56	1.58	1.6	1.63	1.66	1.68	1.7	1.72	1.74	1.76	1.78	1.81	1.83	1.83	1.86	1.86	1.87	1.89	1.86	1.8	1.71	1.58	1.41	1.21	0.95	0.77	0.61
1.63	1.65	1.67	1.7	1.71	1.74	1.77	1.79	1.82	1.86	1.89	1.92	1.94	1.98	2	2.02	2.04	2.04	2.03	2.03	2.02	2.01	1.96	1.88	1.75	1.58	1.39	1.2	0.96	0.78
1.74	1.77	1.8	1.83	1.86	1.9	1.92	1.95	1.98	2.02	2.06	2.09	2.12	2.16	2.18	2.19	2.21	2.21	2.18	2.17	2.13	2.09	2.06	2	1.88	1.72	1.54	1.36	1.17	0.95
1.86	1.89	1.93	1.97	2.01	2.05	2.1	2.13	2.15	2.19	2.22	2.25	2.3	2.32	2.33	2.35	2.35	2.34	2.32	2.28	2.23	2.16	2.1	2.04	1.93	1.82	1.66	1.48	1.32	1.15
1.98	2.02	2.06	2.11	2.16	2.21	2.25	2.29	2.34	2.37	2.37	2.4	2.42	2.44	2.47	2.47	2.46	2.45	2.41	2.36	2.29	2.21	2.13	2.02	1.96	1.84	1.69	1.57	1.42	1.28
2.1	2.15	2.2	2.25	2.3	2.35	2.39	2.44	2.47	2.51	2.53	2.53	2.54	2.55	2.56	2.55	2.54	2.51	2.47	2.4	2.32	2.23	2.12	2.02	1.92	1.85	1.72	1.61	1.5	1.38
2.22	2.27	2.32	2.37	2.42	2.47	2.51	2.56	2.59	2.62	2.64	2.66	2.66	2.64	2.62	2.6	2.57	2.54	2.48	2.42	2.34	2.21	2.11	2.01	1.9	1.79	1.74	1.65	1.55	1.44
2.33	2.37	2.42	2.47	2.52	2.57	2.61	2.64	2.67	2.7	2.71	2.72	2.73	2.72	2.7	2.63	2.58	2.53	2.48	2.41	2.32	2.21	2.11	1.99	1.88	1.79	1.72	1.68	1.6	1.51
225																													



Part11

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2.3.45 Table, BAT5 (E)

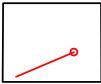
Page 168/183



2.3 Calculation results, Exterior 1

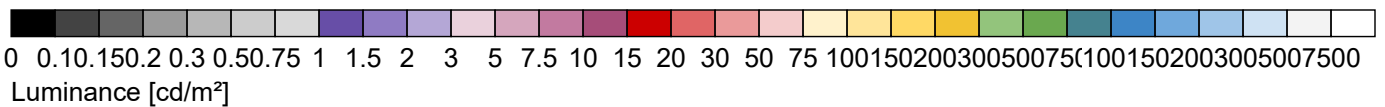
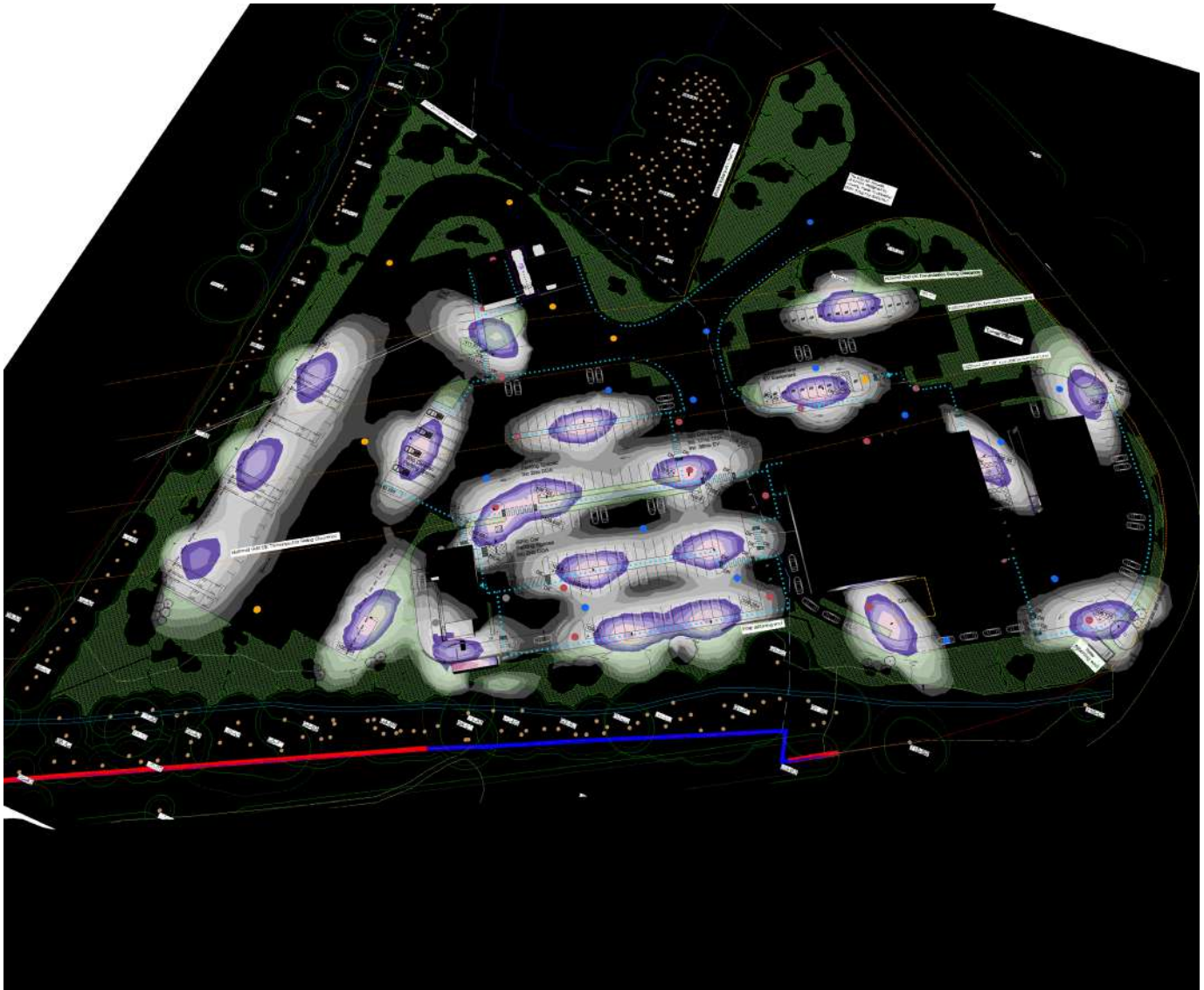
2.3.45 Table, BAT5 (E)

0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02
0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
0.02	0.02	0.02	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)



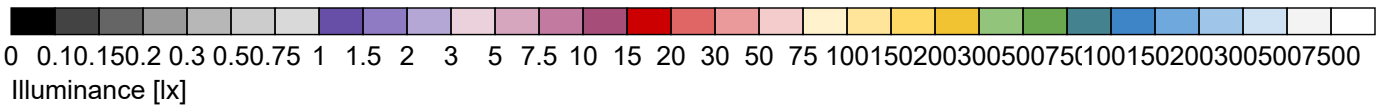
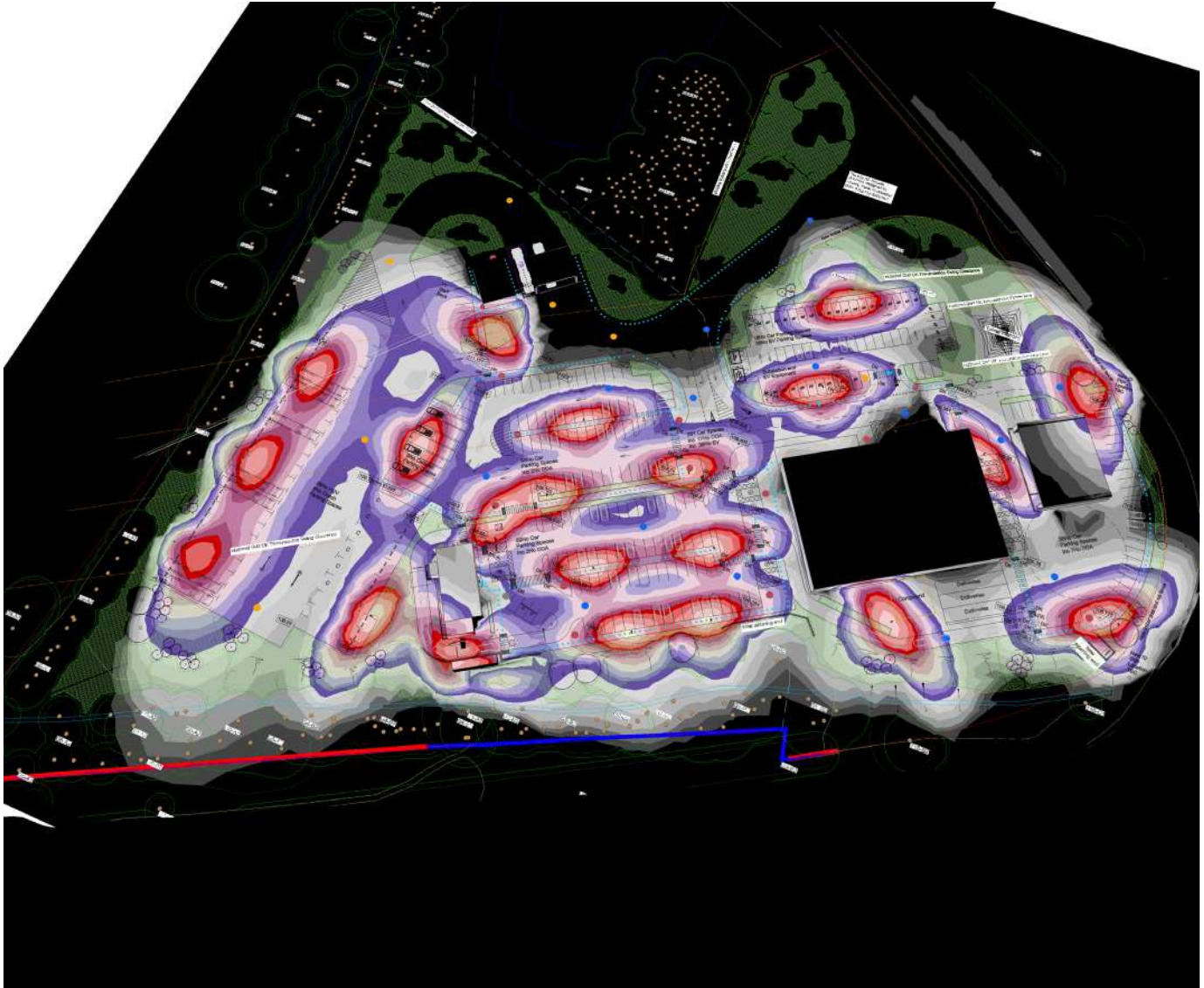
2.3 Calculation results, Exterior 1

2.3.46 3D pseudo colours, View 1 (L)



2.3 Calculation results, Exterior 1

2.3.47 3D pseudo colours, View 1 (E)

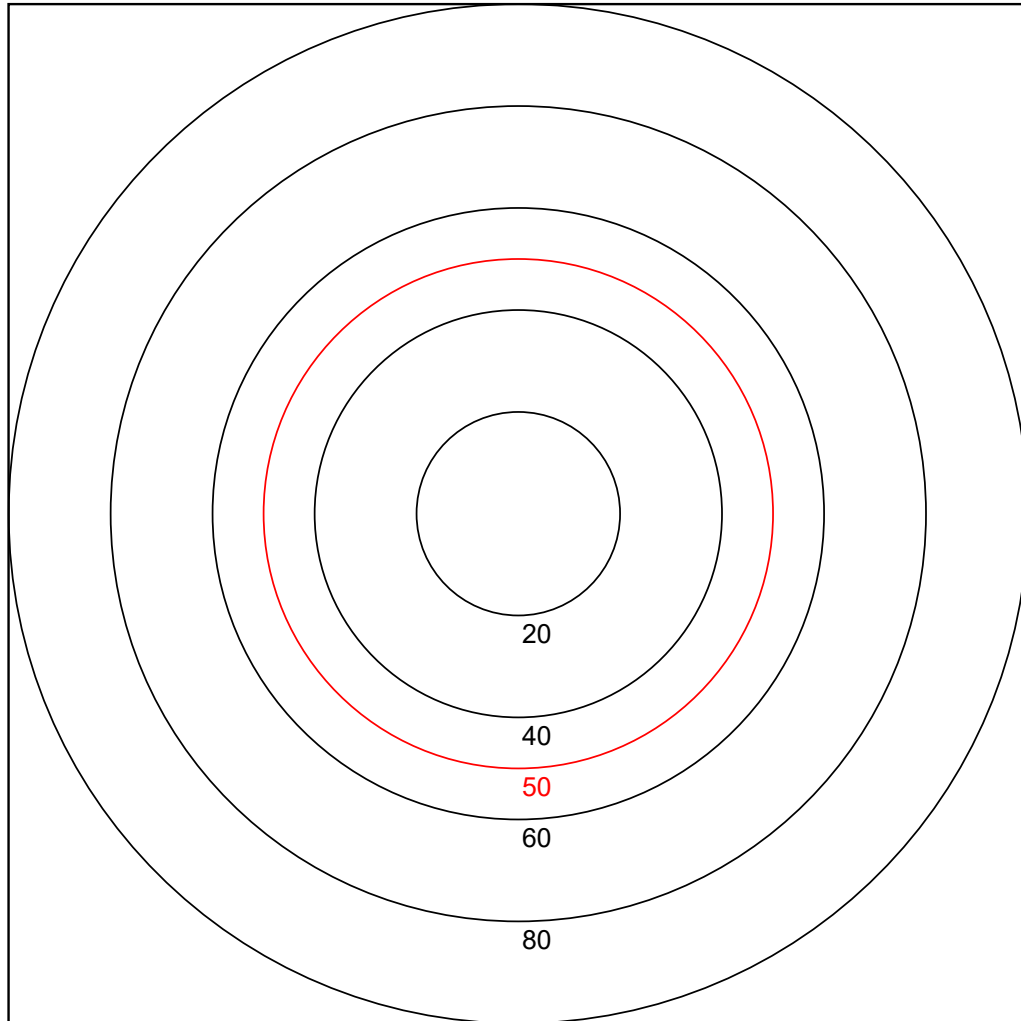


Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

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2.3 Calculation results, Exterior 1

2.3.48 Glare rating - RG 1



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
1 GR 1

Position
217 m/9.77 m/4.7 m

RG_{max}
--

Direction

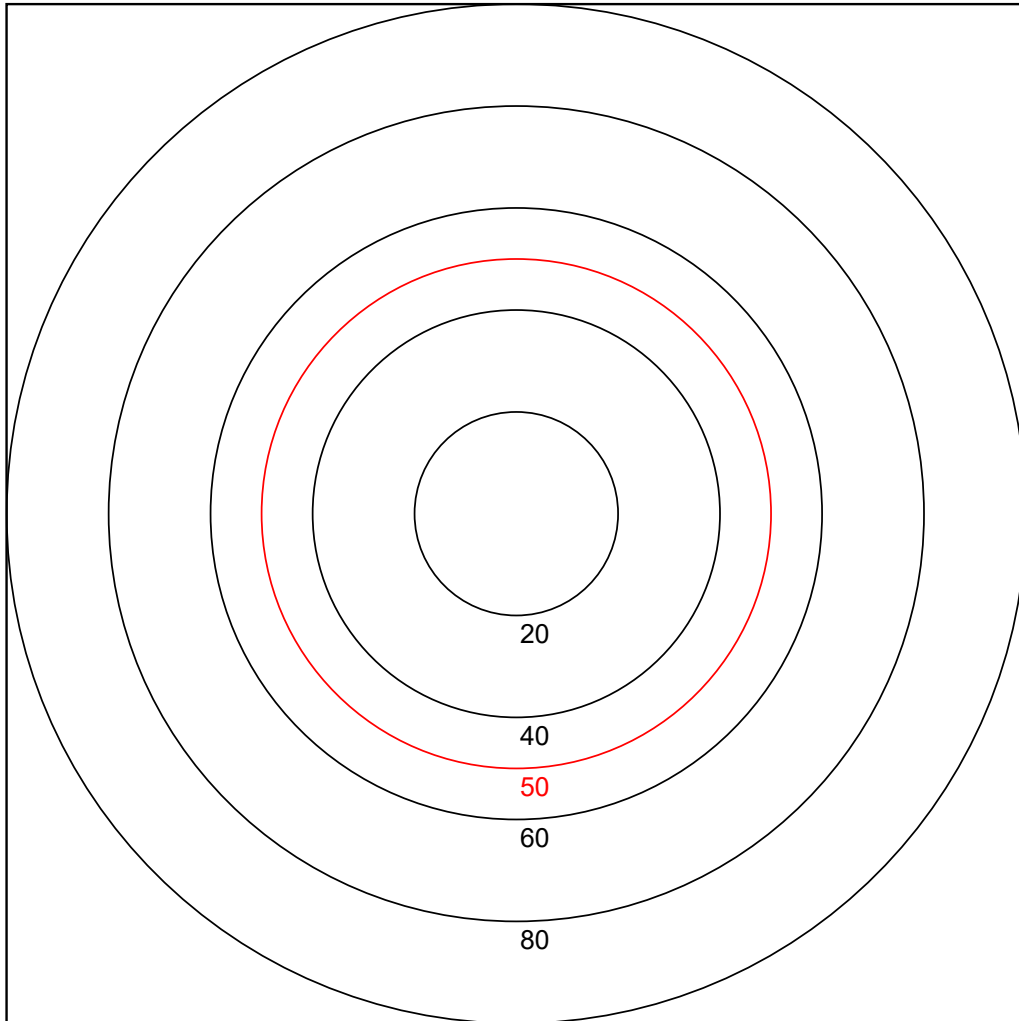
North
0°
West 270° — 90° East
180°
South

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

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2.3 Calculation results, Exterior 1

2.3.49 Glare rating - RG 2



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
2 GR 2

Position
159 m/23.1 m/4.7 m

RG_{max}
--

Direction

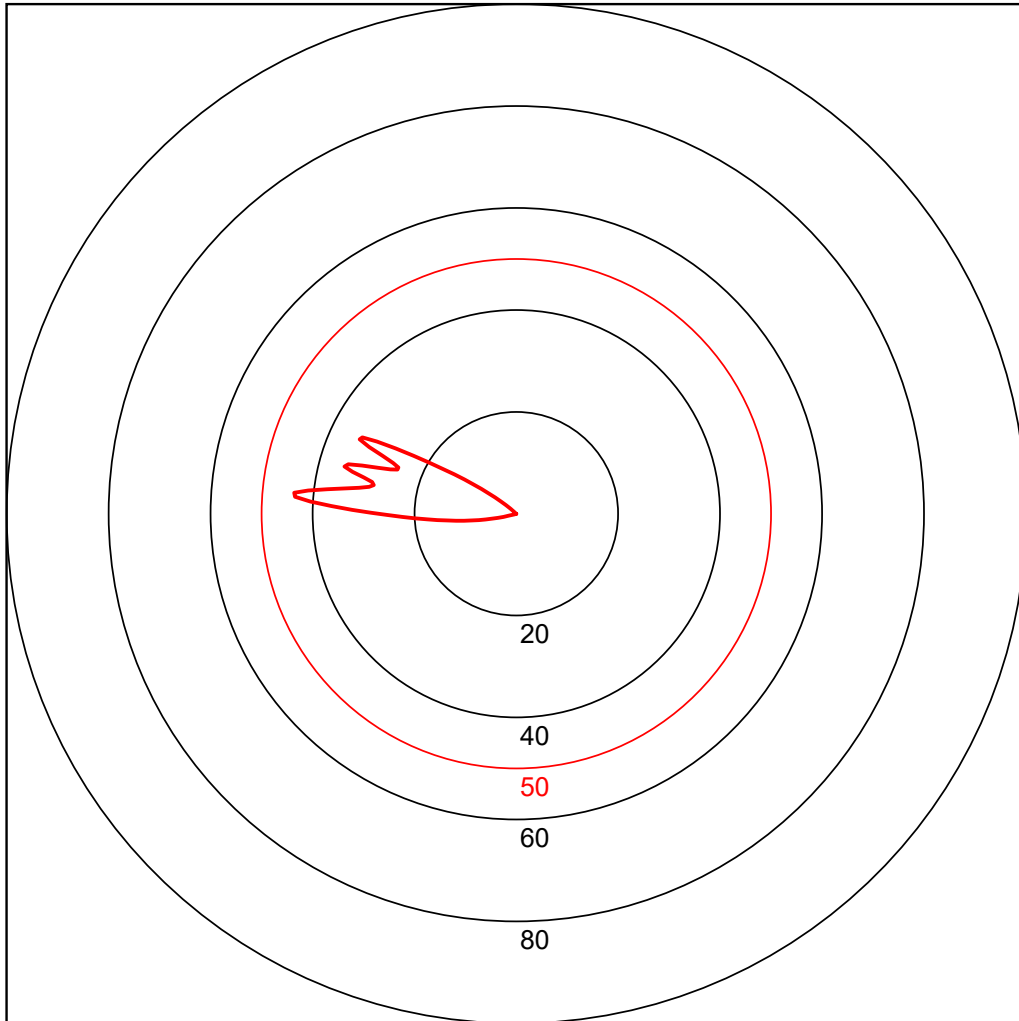
North
0°
West 270° — 90° East
180°
South

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

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2.3 Calculation results, Exterior 1

2.3.50 Glare rating - RG 3



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
3 GR 3

Position $R_{G,max}$
219 m/54.3 m/4.7 m 43.8

Direction
275° (-2°)

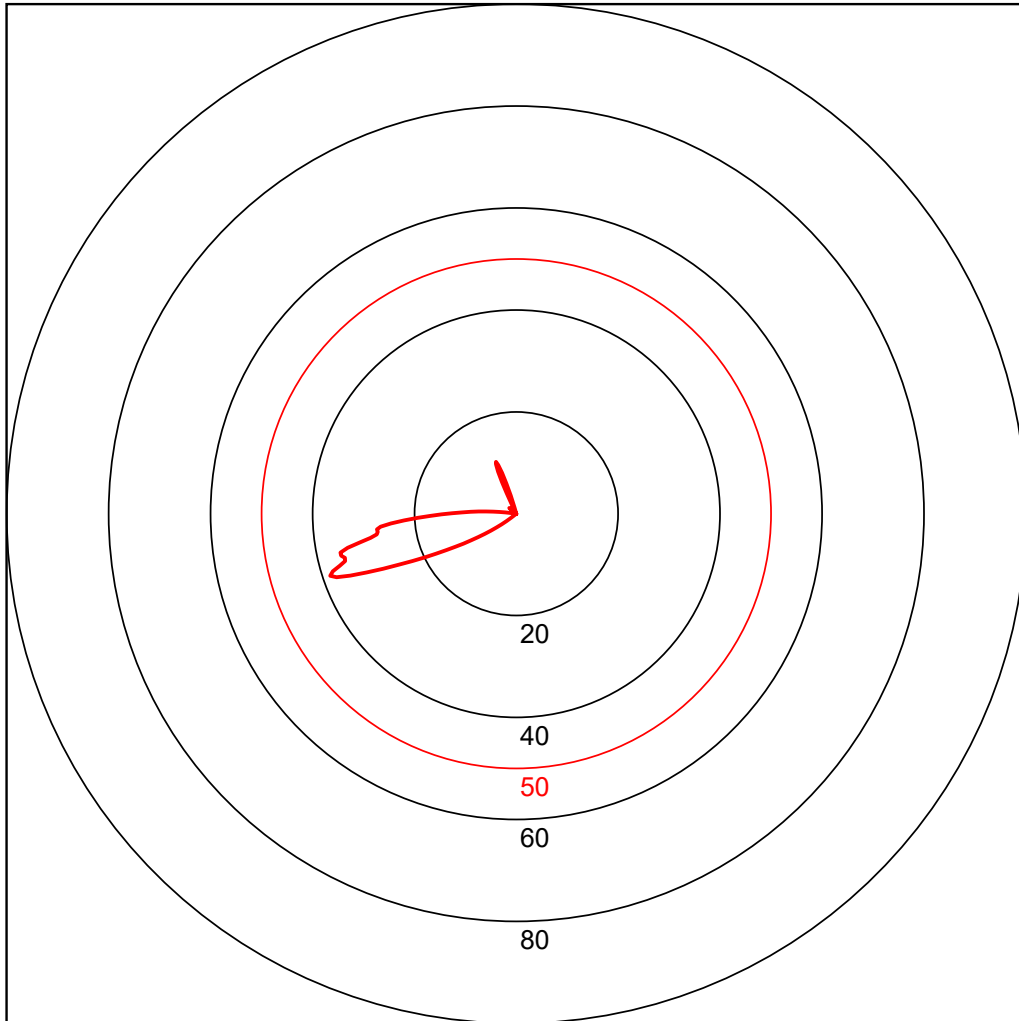
North
0°
West 270° 90° East
180°
South

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

RELUX®

2.3 Calculation results, Exterior 1

2.3.51 Glare rating - RG 4



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
4 GR 4

Position $R_{G,max}$
310 m/121 m/2.7 m 38.5

Direction
252° (-2°)

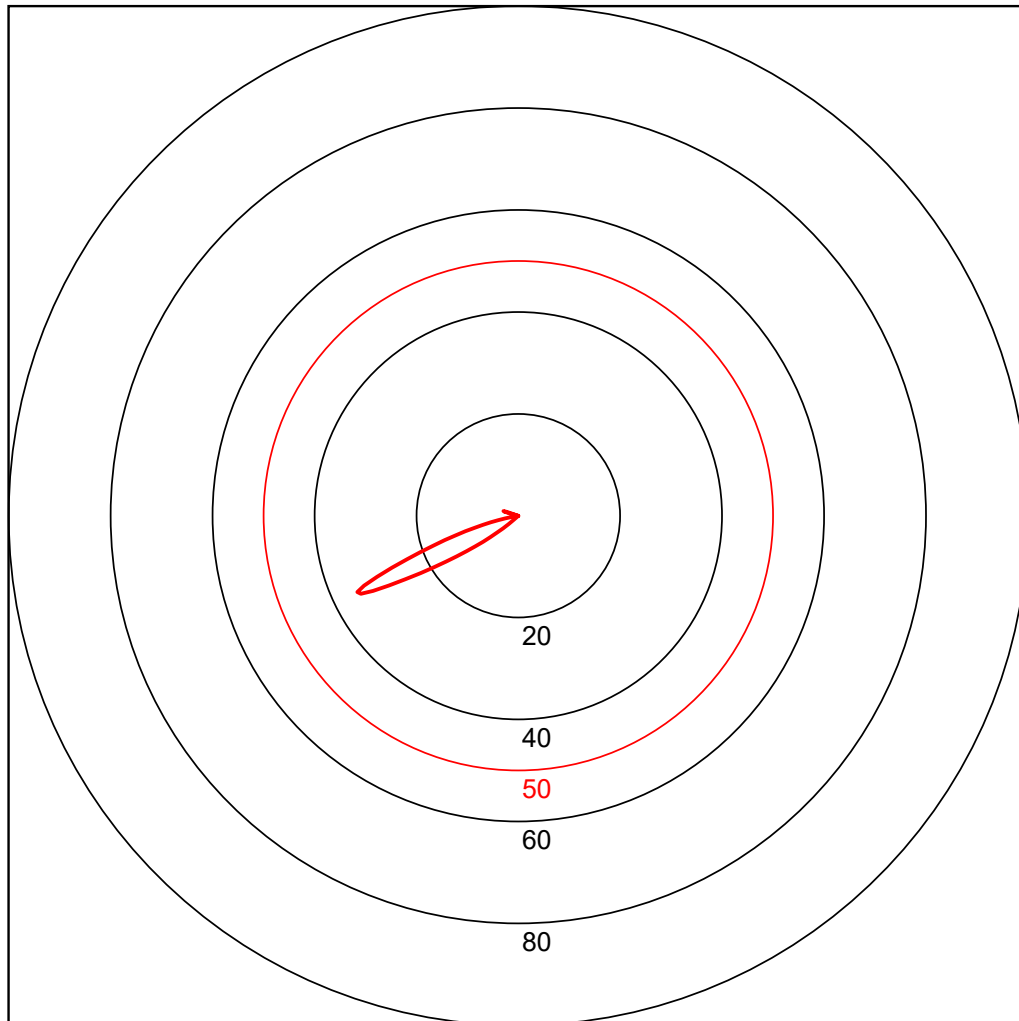
North
0°
West 270° 90° East
180°
South

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

RELUX®

2.3 Calculation results, Exterior 1

2.3.52 Glare rating - RG 5



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
5 GR 5

Position $R_{G,max}$
316 m/148 m/2.7 m 35

Direction
245° (-2°)

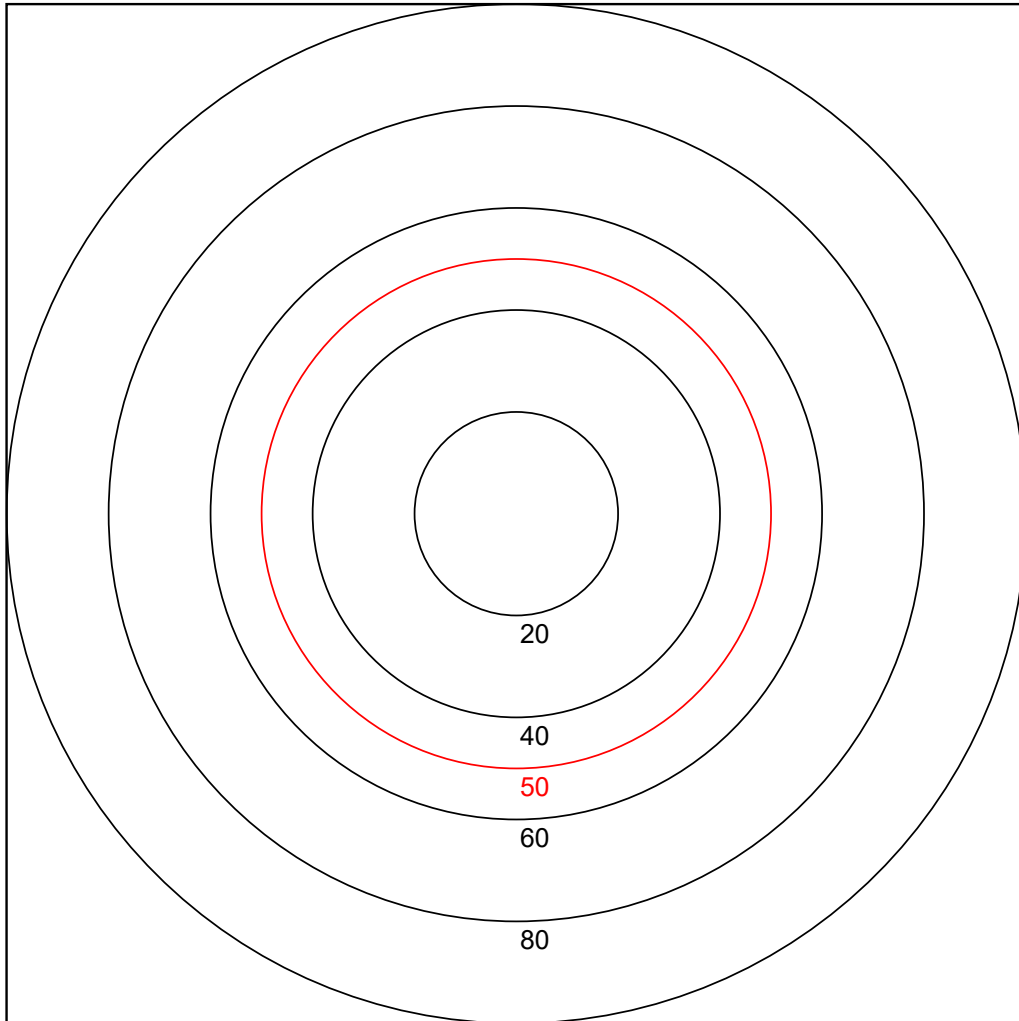
North
0°
West 270° — 90° East
180°
South

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

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2.3 Calculation results, Exterior 1

2.3.53 Glare rating - RG 6



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
6 GR 6

Position
285 m/212 m/3.7 m

RG_{max}
--

Direction

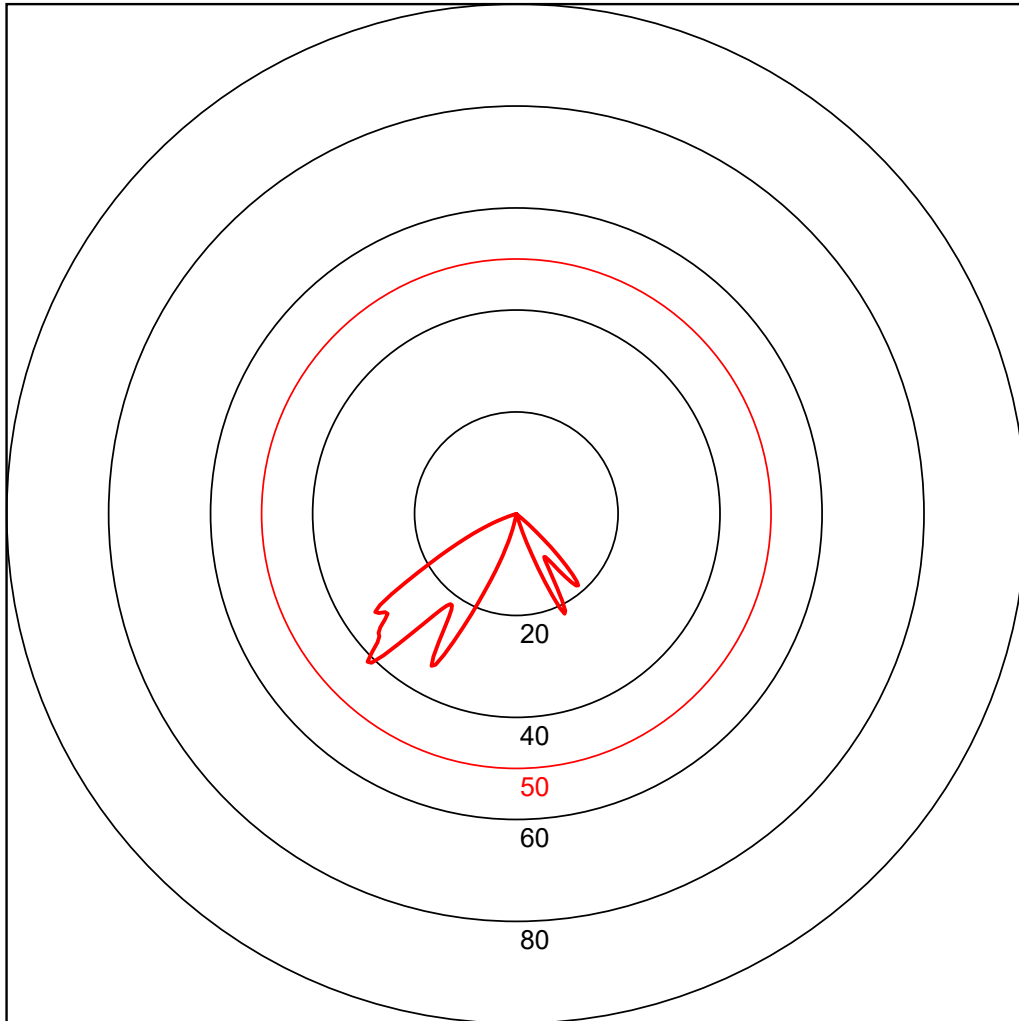
North
0°
West 270° — 90° East
180°
South

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

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2.3 Calculation results, Exterior 1

2.3.54 Glare rating - RG 7



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
7 GR 7

Position
243 m/242 m/3.7 m

$R_{G,max}$
41.2

Direction
225° (-2°)

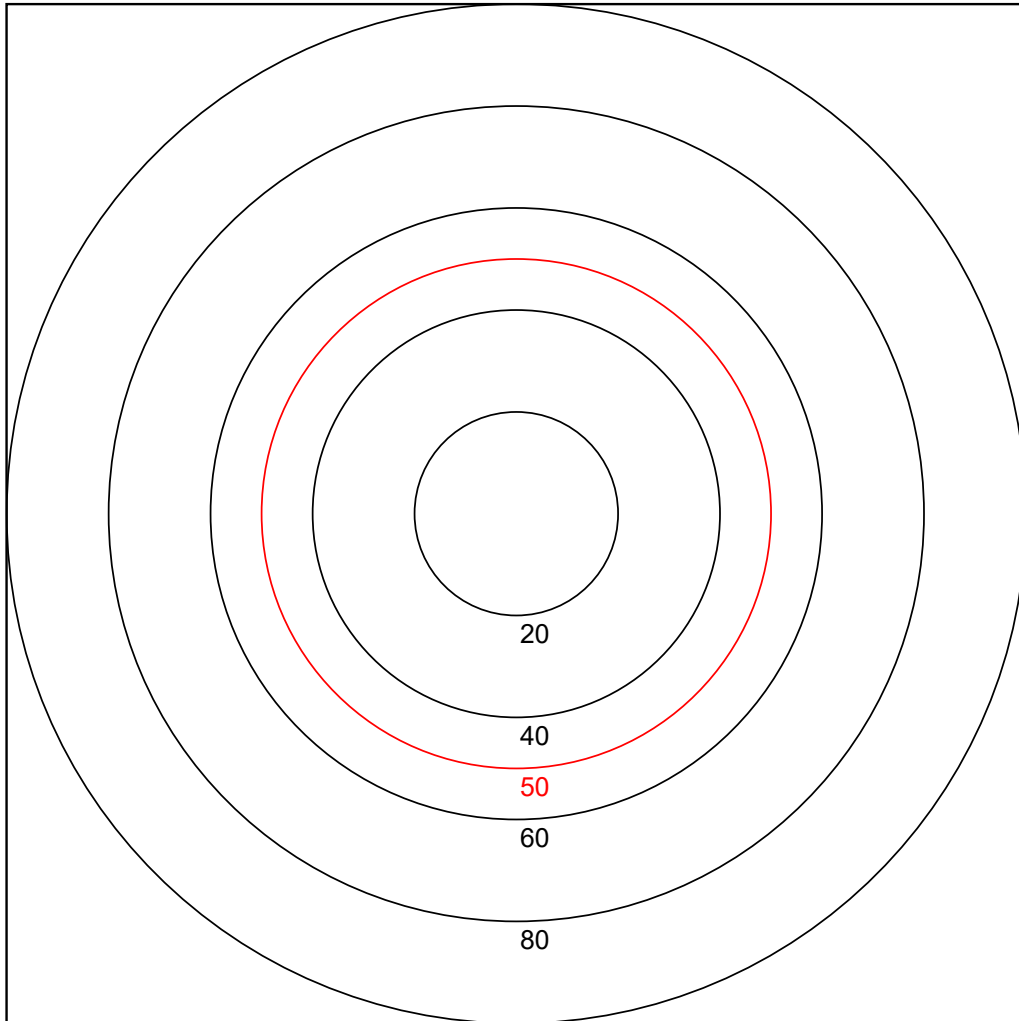
North
0°
West 270° — 90° East
180°
South

Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.55 Glare rating - RG 8



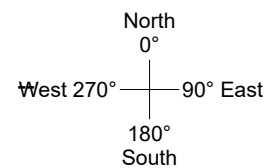
$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
8 GR 8

Position
295 m/220 m/3.7 m

RG_{max}
--

Direction

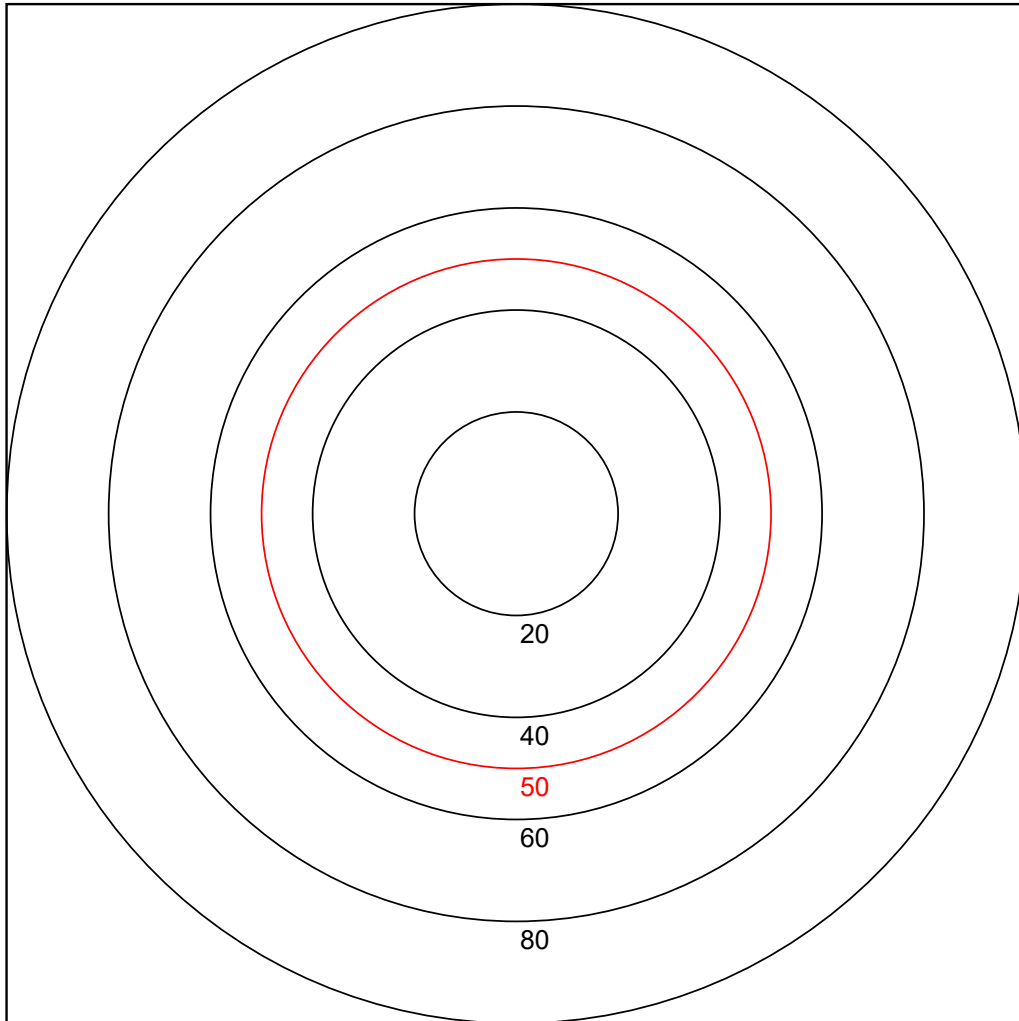


Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.56 Glare rating - RG 9



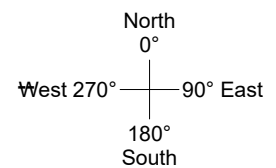
$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
9 GR 9

Position
248 m/252 m/3.7 m

RG_{max}
--

Direction

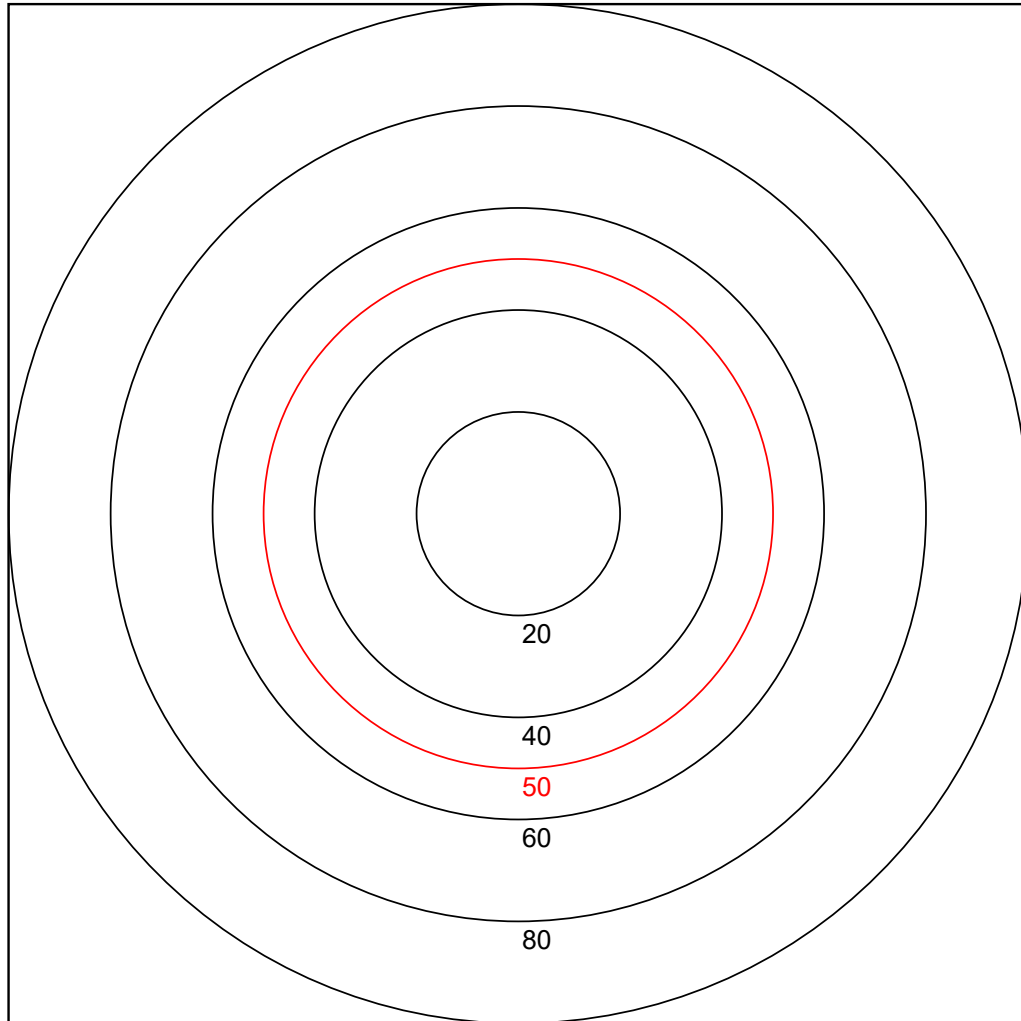


Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023



2.3 Calculation results, Exterior 1

2.3.57 Glare rating - RG 10



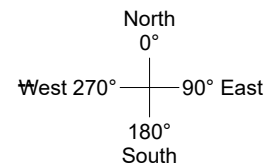
$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
10 GR 10

Position
173 m/-8.85 m/3.7 m

RG_{max}
--

Direction

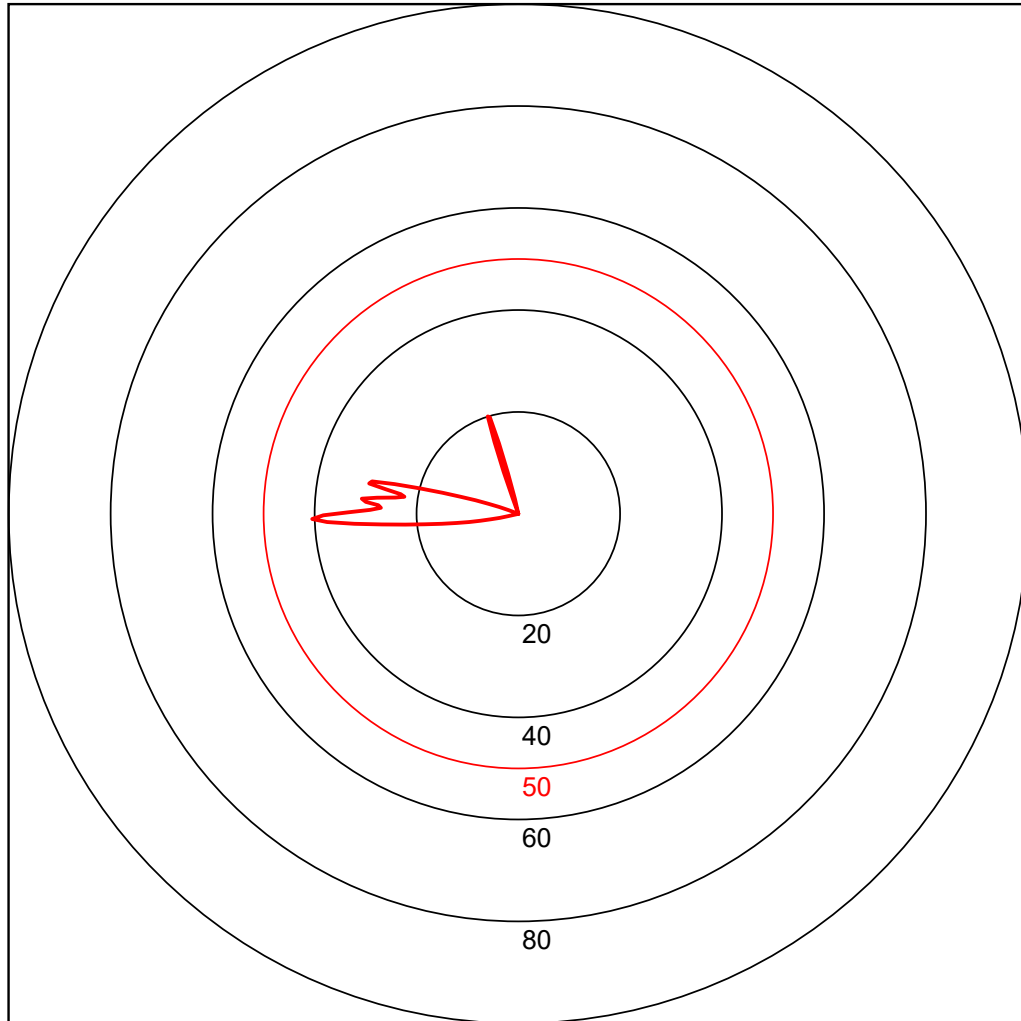


Object : ELIA
 Installation :
 Project number : 3793 - Stretton point, Hinckley
 Date : 28.07.2023

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2.3 Calculation results, Exterior 1

2.3.58 Glare rating - RG 11



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
11 GR 11

Position
317 m/73.1 m/6.7 m

RG_{max}
40.5

Direction
269° (-2°)

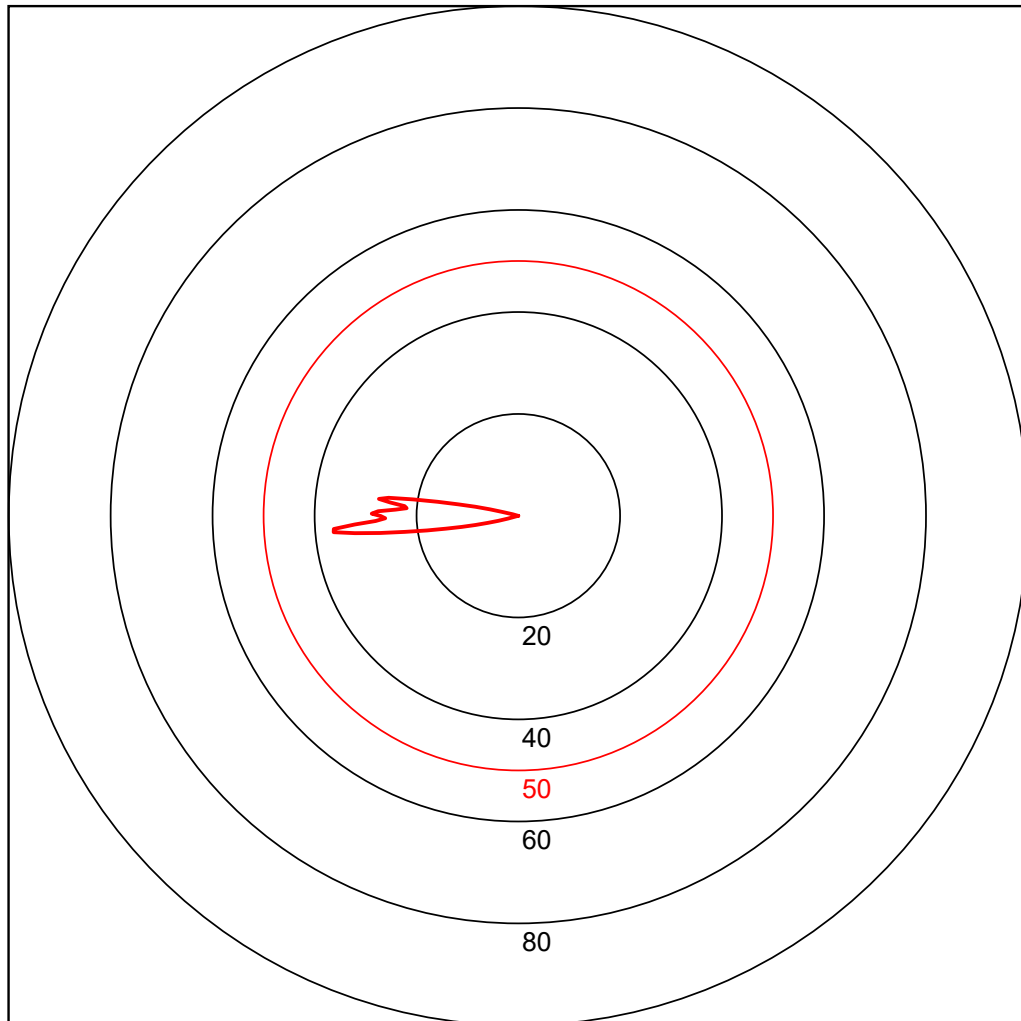
North
 0°
 West 270° — 90° East
 180°
 South

Object : ELIA
Installation :
Project number : 3793 - Stretton point, Hinckley
Date : 28.07.2023

RELUX®

2.3 Calculation results, Exterior 1

2.3.59 Glare rating - RG 12



$L_{ve} = 0.01 \text{ cd/m}^2$, $\bar{E}_i = 6.3 \text{ lx}$, $\rho = 20 \%$

No. Description
12 GR 12

Position
353 m/90.1 m/6.7 m

RG_{max}
36.4

Direction
265° (-2°)

North
0°
West 270° 90° East
180°
South