
From: Paul Hamill (FP McCann) <PHamill@fpmccann.co.uk>
Sent: 15 December 2023 16:28
To: Giles Rawdon; Lesley Keal
Subject: RE: 23/00866/DISCON C6 update
Attachments: FP McCann - Tiling Factory Cadeby

Hi Giles,

Please see attached the accompanying email technician which explains how the model was prepared to consider the vertical plane.

Hopefully this provides the clarification you need but if you have any other queries please do let me know.

Best regards,

Paul Hamill MRTPI
Estates Manager



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+44(0)28 6772 4013 **dd**
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From: Giles Rawdon <Giles.Rawdon@hinckley-bosworth.gov.uk>
Sent: Friday, December 15, 2023 3:56 PM
To: Paul Hamill (FP McCann) <PHamill@fpmccann.co.uk>; Lesley Keal <Lesley.Keal@hinckley-bosworth.gov.uk>
Subject: RE: 23/00866/DISCON C6 update

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Good afternoon

The assessment appears to be showing a horizontal plane at 6m rather than a vertical.

Regards

Giles Rawdon
Environmental Health Officer (Pollution)
Hinckley & Bosworth Borough Council
Environmental Health
Hinckley Hub
Rugby Road
Hinckley
Leics LE10 0FR
01455 255684

From: Paul Hamill (FP McCann) <PHamill@fpmccann.co.uk>
Sent: Thursday, December 14, 2023 2:51 PM
To: Lesley Keal <Lesley.Keal@hinckley-bosworth.gov.uk>
Cc: Giles Rawdon <Giles.Rawdon@hinckley-bosworth.gov.uk>
Subject: RE: 23/00866/DISCON C6 update

Good afternoon Lesley,

Please see attached the updated lighting assessment which now includes a vertical plane assessment for the two nearest dwellings as requested by Giles. At both properties, the assessment confirms a light level well below 1 lux as advised by Institution of Lighting Professionals Guidance Note 1 for Environmental Zone E2.

I trust that this additional information will now allow you to discharge this condition but if you require anything further then please do not hesitate to get in touch. I have also cc'd Giles here for your convenience.

Best regards,

Paul Hamill MRTPI
Estates Manager



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From: Lesley Keal <Lesley.Keal@hinckley-bosworth.gov.uk>
Sent: Monday, September 11, 2023 4:02 PM
To: Paul Hamill (FP McCann) <PHamill@fpmccann.co.uk>
Subject: 23/00866/DISCON C6 update

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Good Afternoon Paul

Following consultation on the above application I have the following comments from our EHO already:

Condition 6

Details should be submitted to demonstrate that the lighting on site will comply with the Institution of Lighting Professionals Guidance Note 1 for the reduction of obtrusive light 2021. An Environmental Zone E2 should be used. a vertical plane at an appropriate height for surrounding dwellings should be used.

Further updates will be provided as and when the consultation responses come through.

Kind Regards

Lesley Keal (Her/She)

Compliance & Monitoring Officer

Tel: 01455 255905

Email: Lesley.keal@hinckley-bosworth.gov.uk

Web: <https://protect-eu.mimecast.com/s/LgP7CNOVLINAO8oCmqI1g?domain=hinckley-bosworth.gov.uk>

Hinckley Hub, Rugby Road, Hinckley, Leics LE10 0FR

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From: Mark O'Connor : Indigo LED <mark@indigoled.co.uk>
Sent: 14 December 2023 09:47
To: Paul Hamill (FP McCann)
Cc: aaron@indigoled.co.uk
Subject: FP McCann - Tiling Factory Cadeby
Attachments: Indigo LED - Glackin Electrics - GE - Tiling Factory Cadeby - Horizontal Luminance.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

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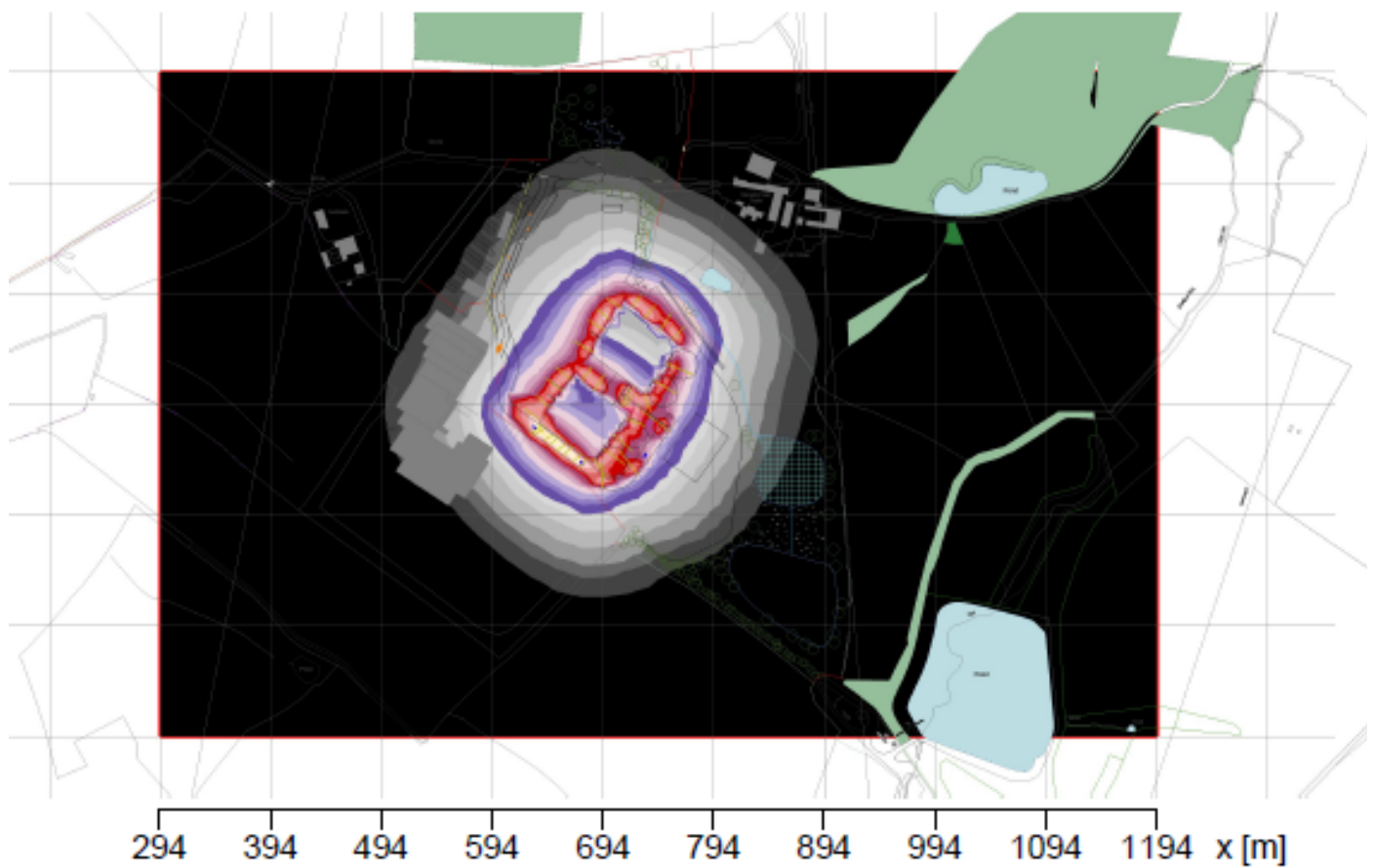
Paul,

See attached, vertical planes noted as point 1 and point 2. I used a height of 2.5m to depict the story and a half and 3m to depict the 2 storey house.

They can locate via the measuring grids on the houses. Both showing below 1lux. I think this should get you over the line and I would be happy to carry out designs like this on any of the other projects you have.

Thanks,

Mark



1.1 Summary, Exterior 1

1.1.2 Result overview, Exterior 1



Horizontal illuminance

Measuring surface

	X	Y	Z	E
E(p) 1	817 m	1340 m	3 m	0.05 lx
E(p) 2	830 m	1310 m	2.5 m	0.08 lx

Summary

	Quantity	Em	Emin	Emax	Uo	Ud
Horizontal illuminance	2	0.06 lx	0.05 lx	0.08 lx	0.76	0.62

Mobile : 07557196502
Office : 02887440157
Indigo Energy Systems Ltd



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FP McCann

Installation : GE - Tiling Factory Cadeby

Project number : 009902

Customer : Indigo LED

Processed by : Mark O'Connor

Date : 14.12.2023

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.

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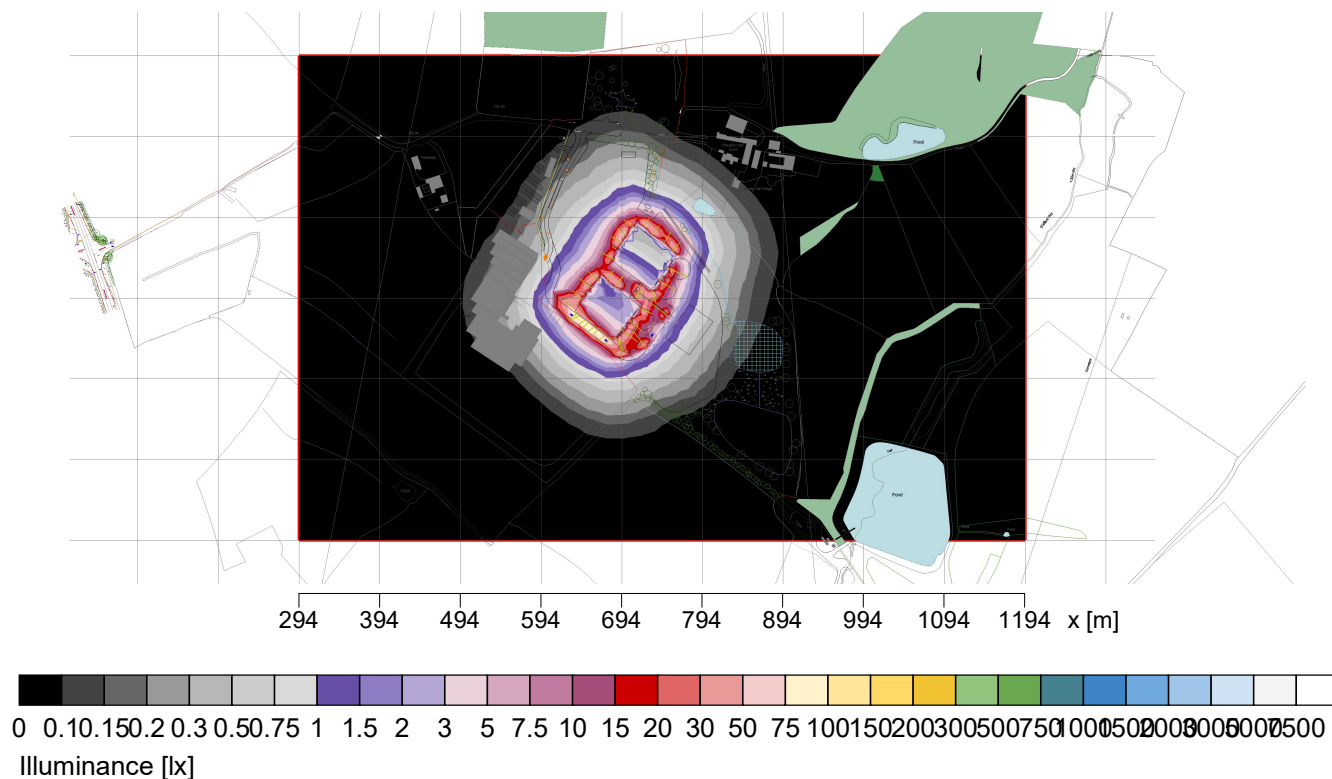
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Object : FP McCann
Installation : GE - Tiling Factory Cadeby
Project number : 009902
Date : 14.12.2023

1 Exterior 1

1.1 Summary, Exterior 1

1.1.1 Result overview, Evaluation area 1



General

Calculation algorithm used
Height (phot centre)
Maintenance factor

Average indirect fraction
6.00 m
0.80

Total luminous flux
Total power
Total power per area (540000.00 m²)

748680.00 lm
6528.0 W
0.01 W/m² (1.61 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
Em
Emin
Emin/Em (Uo)
Emin/Emax (Ud)
Position

0.75 lx
0 lx
0.00
0.00
0.00 m

Type No. Make

1 34 x **Indigo LED**
Order No. : www.indigoled.co.uk
Luminaire name : Indigo LED - TITAN1004 - Titan 200w LED Flood Light
Equipment : 1 x 192 W / 22020 lm

1.1 Summary, Exterior 1

1.1.2 Result overview, Exterior 1



Horizontal illuminance

Measuring surface	X	Y	Z	E
E(p) 1	817 m	1340 m	3 m	0.05 lx
E(p) 2	830 m	1310 m	2.5 m	0.08 lx

Summary	Quantity	Em	Emin	Emax	Uo	Ud
Horizontal illuminance	2	0.06 lx	0.05 lx	0.08 lx	0.76	0.62

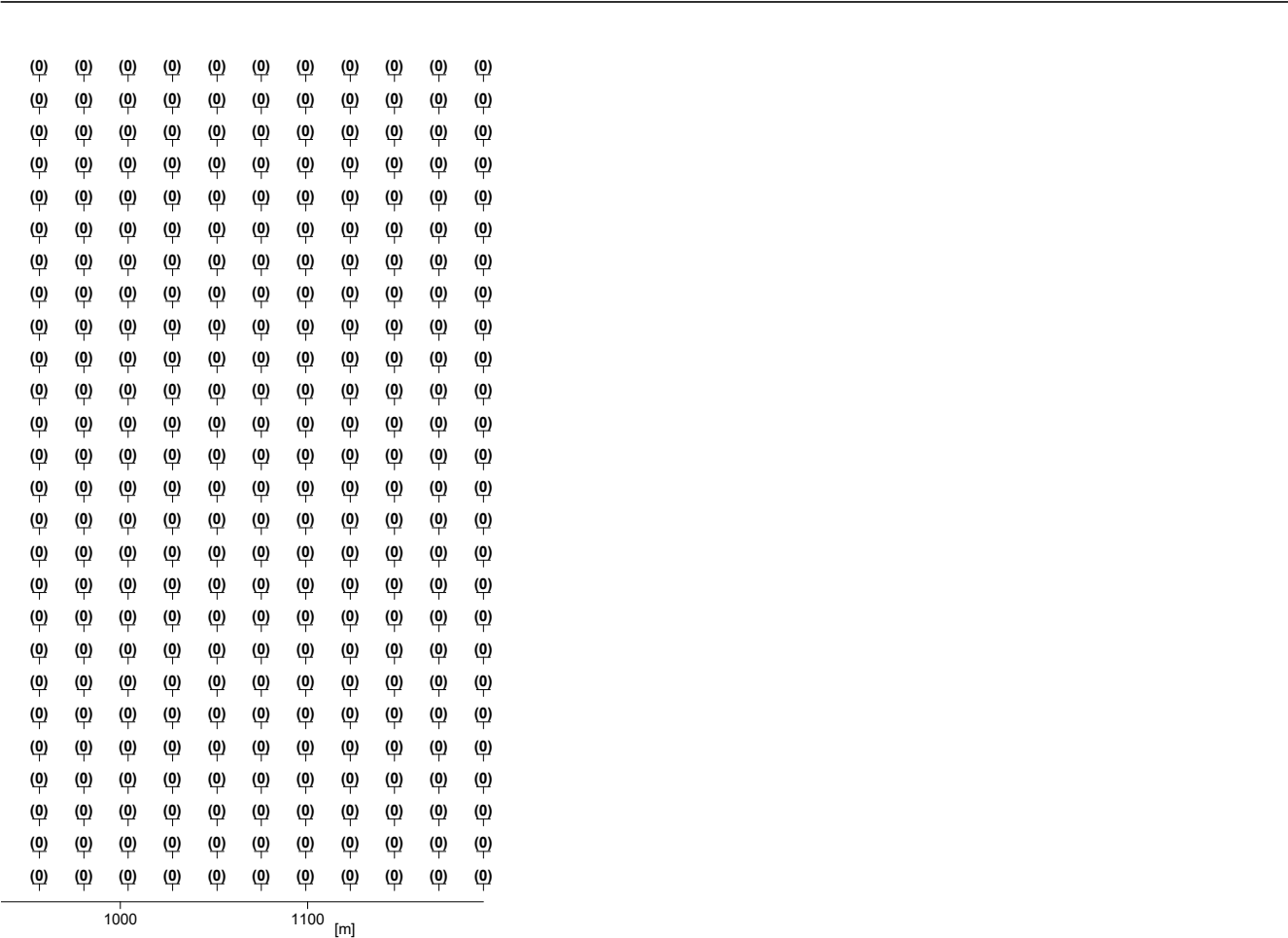




1 Exterior 1

1.2 Calculation results, Exterior 1

1.2.1 Table, Floor (E)



Part2