
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

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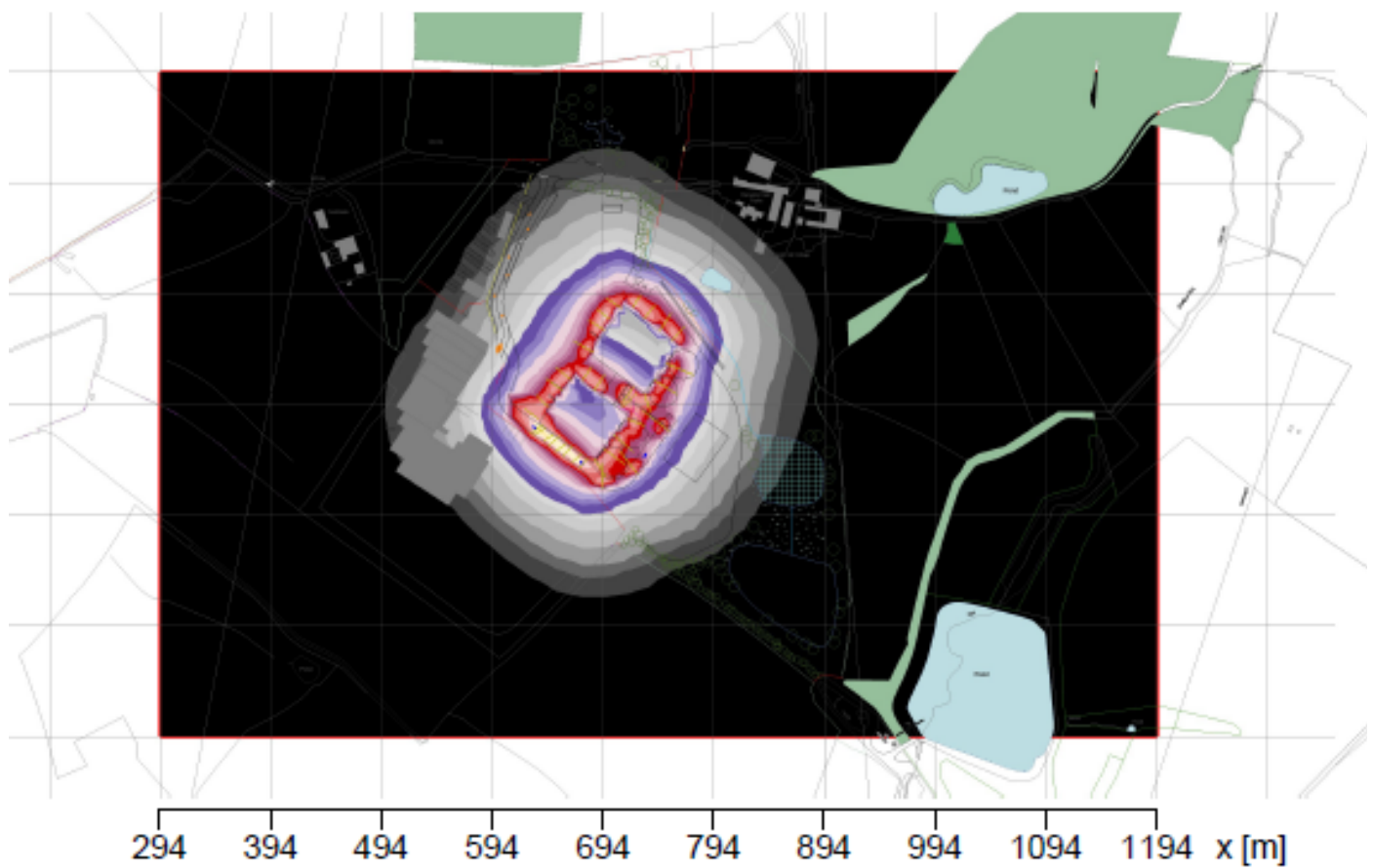
Paul,

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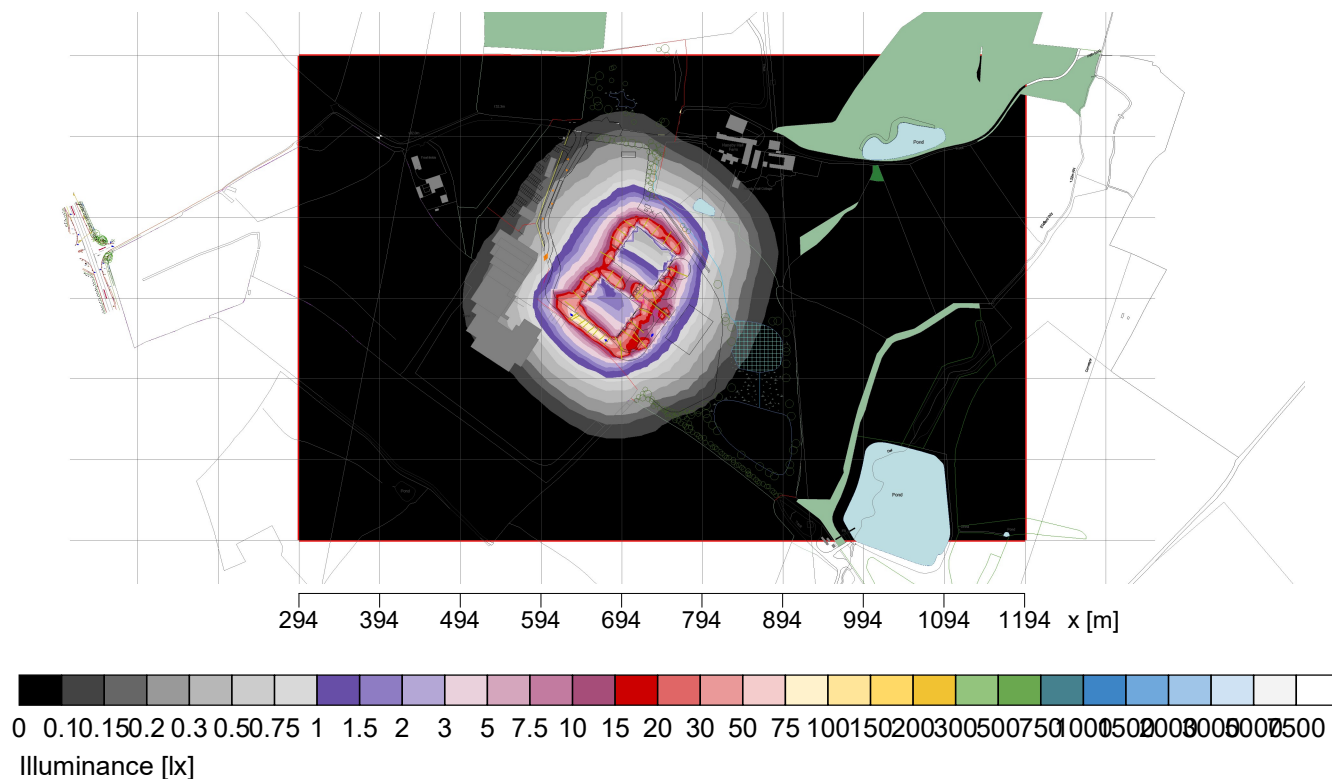
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Object : FP McCann
Installation : GE - Tiling Factory Cadeby
Project number : 009902
Date : 14.12.2023

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

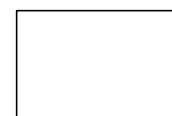
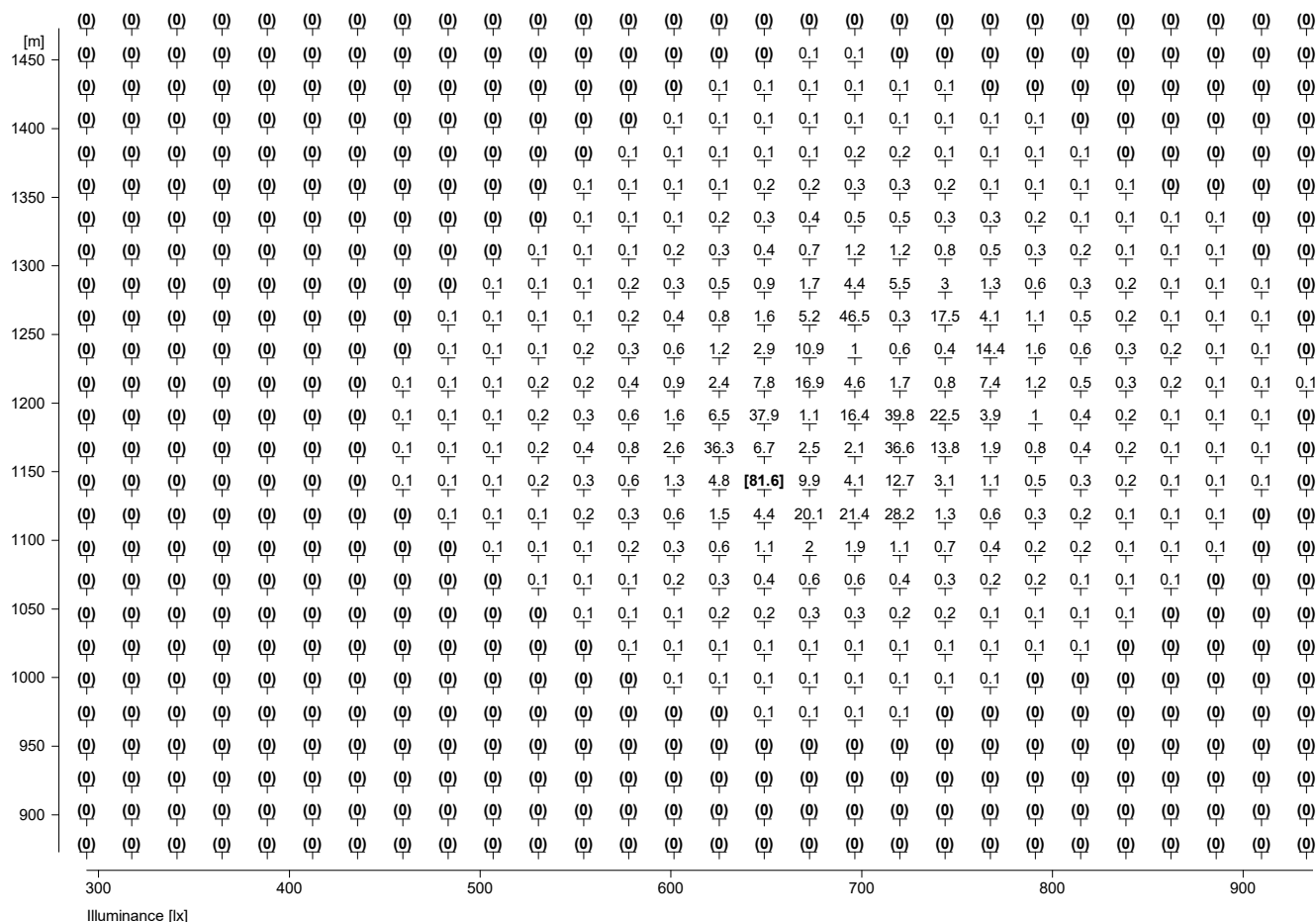
Measuring surface	X	Y	Z	E
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Summary	Quantity	Em	Emin	Emax	Uo	Ud
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1 Exterior 1

1.2 Calculation results, Exterior 1

1.2.1 Table, Floor (E)



Part1

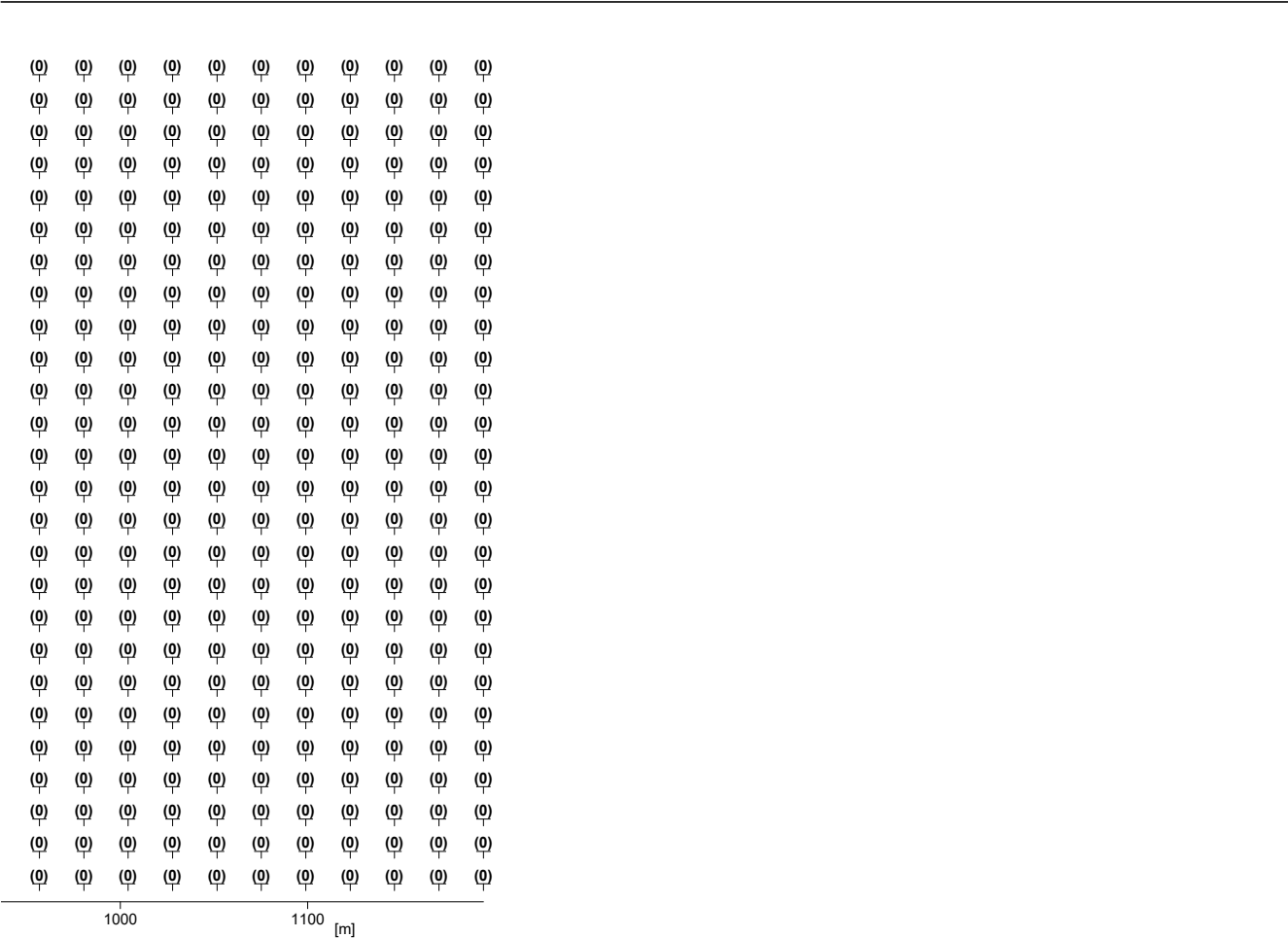
Average illuminance	Em	: 0.7 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 81.6 lx
Uniformity Uo	Emin/Em	: 1 : 292.61 (0.00)
Diversity Ud	Emin/Emax	: 1 : 36651.02 (0.00)



1 Exterior 1

1.2 Calculation results, Exterior 1

1.2.1 Table, Floor (E)



Part2