

Project No: T21025

Project: FS-169-RATHFARNHAM RESIDENTIAL DEVELOPMENT

DOCUMENT ISSUE SHEET NO. 1

Date of Issue:		Day	4	7	9	13	21			
		Month	8	9	9	9	7			
		Year	2021	2021	2021	2021	2022			
Document No.	Document Title	Scale	Revision:							
T21025-TL-ZZ-XX-DR-Y-0001	PROPOSED SITE LIGHTING LAYOUT	1:500	P01	P02	P03	P04	P05			
T21025-TL-ZZ-XX-RP-Y-0001	OUTDOOR LIGHTING REPORT	NA	P01	P02	P03	P04	P05			
Spec sheets:										
T21025-TL-ZZ-XX-SP-Y-0001	LUMINAIRE-ENERGY_UNO_2021-EN-2		P01							
Distribution:		Delivery method and format								
DUNMOY PROPERTIES - CRIONNA STOKES & JONATHAN TURNER		e/d/p	e/d/p	e/d/p	e/d/p	e/d/p				

Distribution method

Electronic Copy:

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e.g. cd/dwf = By CD - DWF Format
 e.g. e/d/p/r = By E-mail - DWG/PDF/RTMA Format
 e.g. 1 /A3 = Number of Copies - Paper Size

Reason for Issue

I = For Information
 COM = For Comment
 e.g. R01 = Design Review No.

AR = As Requested
 U = Urgent

DATE: 21 July 2022
DESIGNER: Gearoid McKenna
PROJECT No: T21025
PROJECT NAME: FS-169-Rathfarnham Residential Development

TASKLED

Revision: P05
Date: 2022-07-21

Lighting calculations based on:
BS5489-1:2020 Class P4 along roadways and pedestrian walkways,
maintained average illuminance of 5.00 to 7.50 lux and
minimum illuminance of 1.0 lux. Results shown in report.

For proposed site lighting layout see drawing:
T21025-TL-ZZ-XX-DR-Y-0001-P05 - PROPOSED SITE LIGHTING
LAYOUT.

Outdoor Lighting Report

PREPARED BY: TaskLED,
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Co. Wicklow, Ireland.
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General Data

Dimensions in Metres Angles in Degrees
 Grid Origin 3122.0m x 906.1m
 Area 102.6m x 110.6m
 Sample Spacing 1.49m x 1.44m

Luminaires

Luminaire A Data

Supplier	Cree Lighting
Type	TRSA-02-SCF-4L30819W
Lamp(s)	BDU4L19W3K
Lamp Flux (km)	2.58
File Name	TRSA-02-SCF-4L-308 19W-1088-QL20-R1 5IES
Maintenance Factor	0.90
Imax70,80,90(cd/km)	427.4, 130.3, 0.0
No. in Project	3



Luminaire B Data

Supplier	Cree Lighting
Type	TRSA-02-150-4L30819W
Lamp(s)	BDU4L19W3K
Lamp Flux (km)	2.58
File Name	TRSA-02-150-4L-308 19W-481-QL21-5031 ES
Maintenance Factor	0.90
Imax70,80,90(cd/km)	476.2, 35.8, 0.0
No. in Project	2



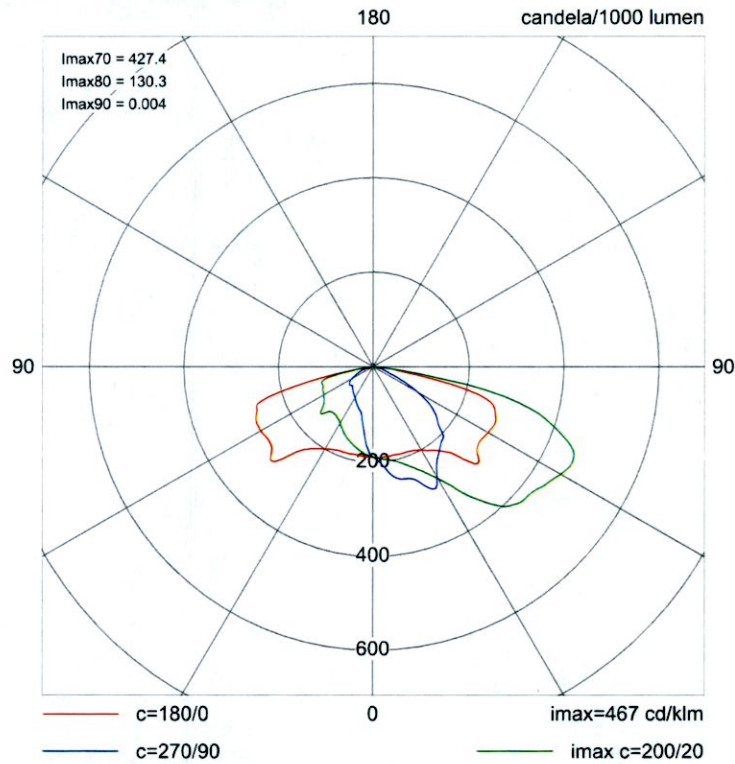
Layout Report

Layout

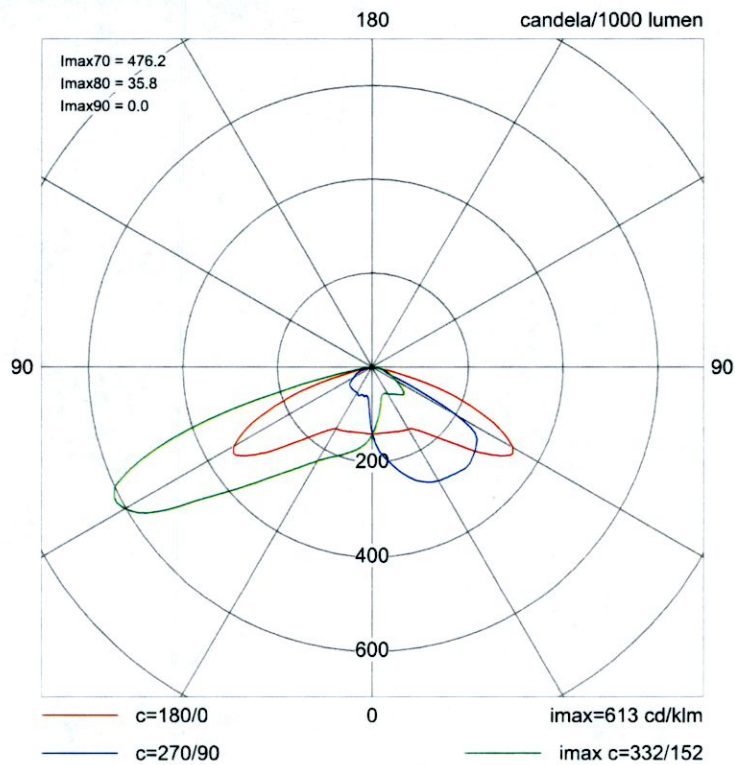
ID	Type	X	Y	Height	Angle	Tilt	Can't	Out-reach	Target X	Target Y	Target Z
1	A	3162.91	952.22	6.00	281.00	0.00	0.00	0.50			
2	A	3191.35	952.46	6.00	256.00	0.00	0.00	0.50			
3	B	3175.51	969.68	6.00	3.00	0.00	0.00	0.50			
4	A	3155.72	967.87	6.00	76.00	5.00	0.00	0.50			
5	B	3187.54	998.70	6.00	259.00	5.00	0.00	0.50			

Polar Diagrams

Luminaire A TRSA-02-SCP-4L30819W

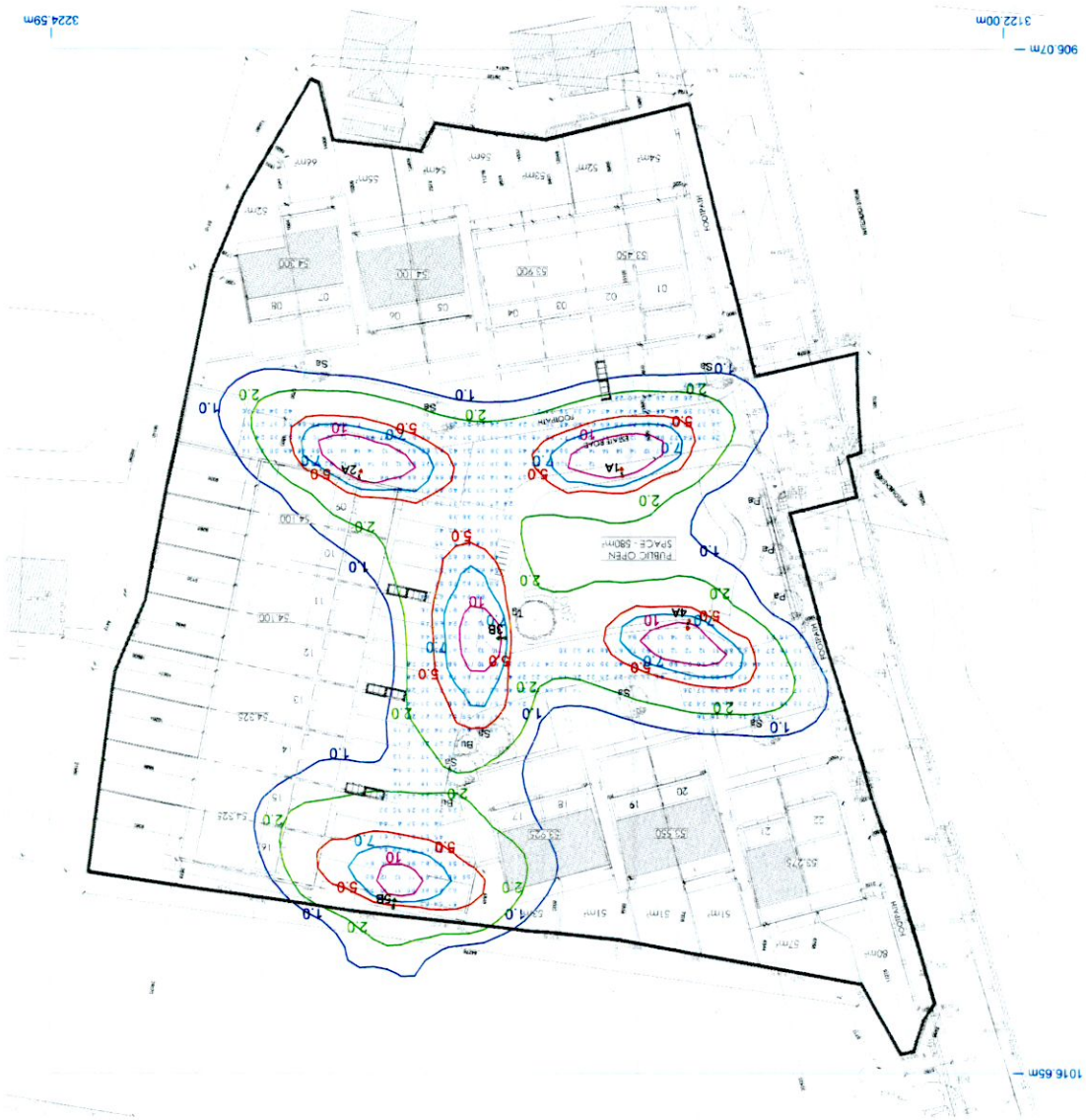


Luminaire B TRSA-02-150-4L30819W



Horizontal Illuminance (lux)

Grid 1

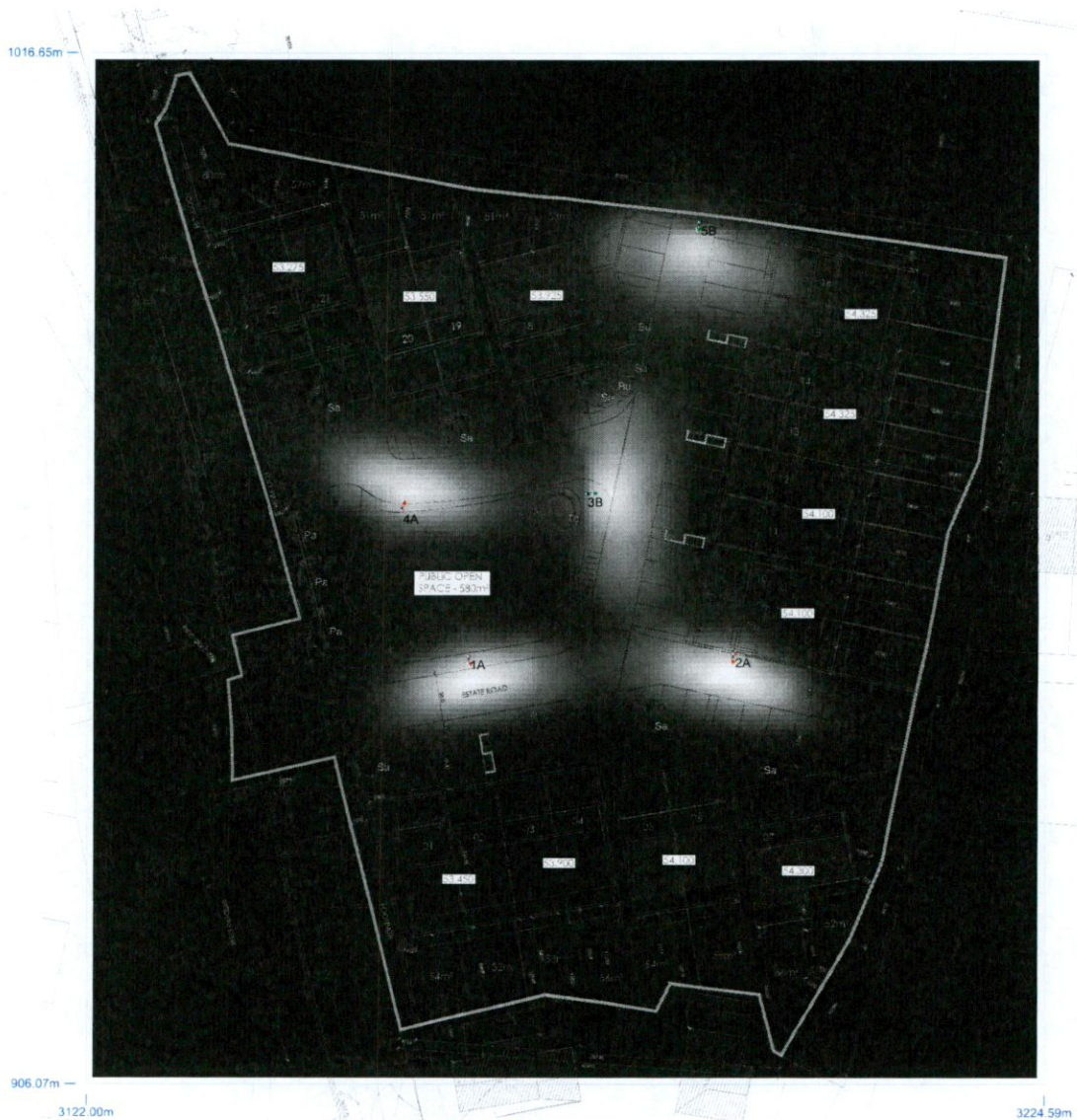


Results

Eav	5.51
Emin	1.00
E _{max}	14.37
Emin/E _{max}	0.07
Emin/E _{av}	0.18

Horizontal Illuminance (lux)

Grid 1

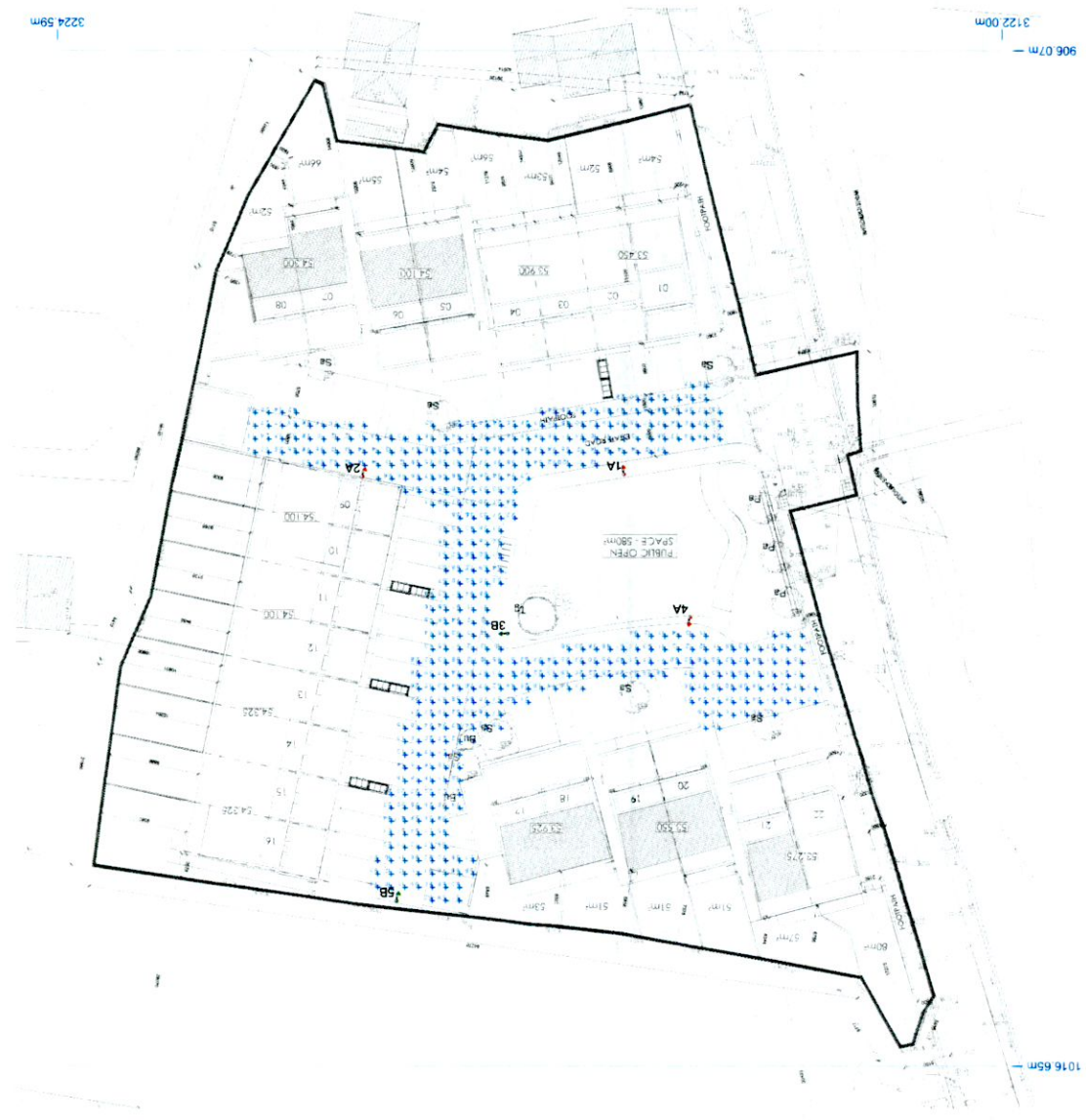


Results

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Horizontal Illuminance (lux)

Grid 1



Results

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