

DATE: 12 February 2024
DESIGNER: J.K
PROJECT No: 0002333238
PROJECT NAME: Devonshire Place NPT S38

THORN
LIGHTING PEOPLE

Designed in accordance with BS5489-1:2020 to lighting class P5.

Assumed Environmental Zone - E3/E4 and 6 yearly cleaning regime lead to an MF value of 0.80.

Luminaire A - Proposed 6m mounting height column complete with post top mounted Thorn Isaro Pro S 12L55 RWT 740 CLO 90N7 CL1 UT7L42E GYS 3.27klm's. Luminaires to be installed at 0° tilt. Luminaires to be permanently dimmed to 50%

Outdoor Lighting Report

This design drawing/information is for a lighting scheme which has been prepared for the client in collaboration with the client and other stakeholders and is based upon the pre-construction information provided. The lighting scheme should only be installed and maintained by competent persons and in accordance with the design drawing/information, application installation instructions and all applicable laws. No changes should be made to the design of the lighting scheme without formal written approval in advance from ZG Lighting (UK) limited, to ensure that any risks to health, safety and welfare from any proposed changes can be identified and properly assessed.

PREPARED BY: ZG Lighting (UK) Limited
Durhamgate
Spennymoor
County Durham
DL16 6HL

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 277023.4m x 189458.0m
Area 66.8m x 66.5m
Sample Spacing 1.48m x 1.48m

Luminaires

Luminaire A Data

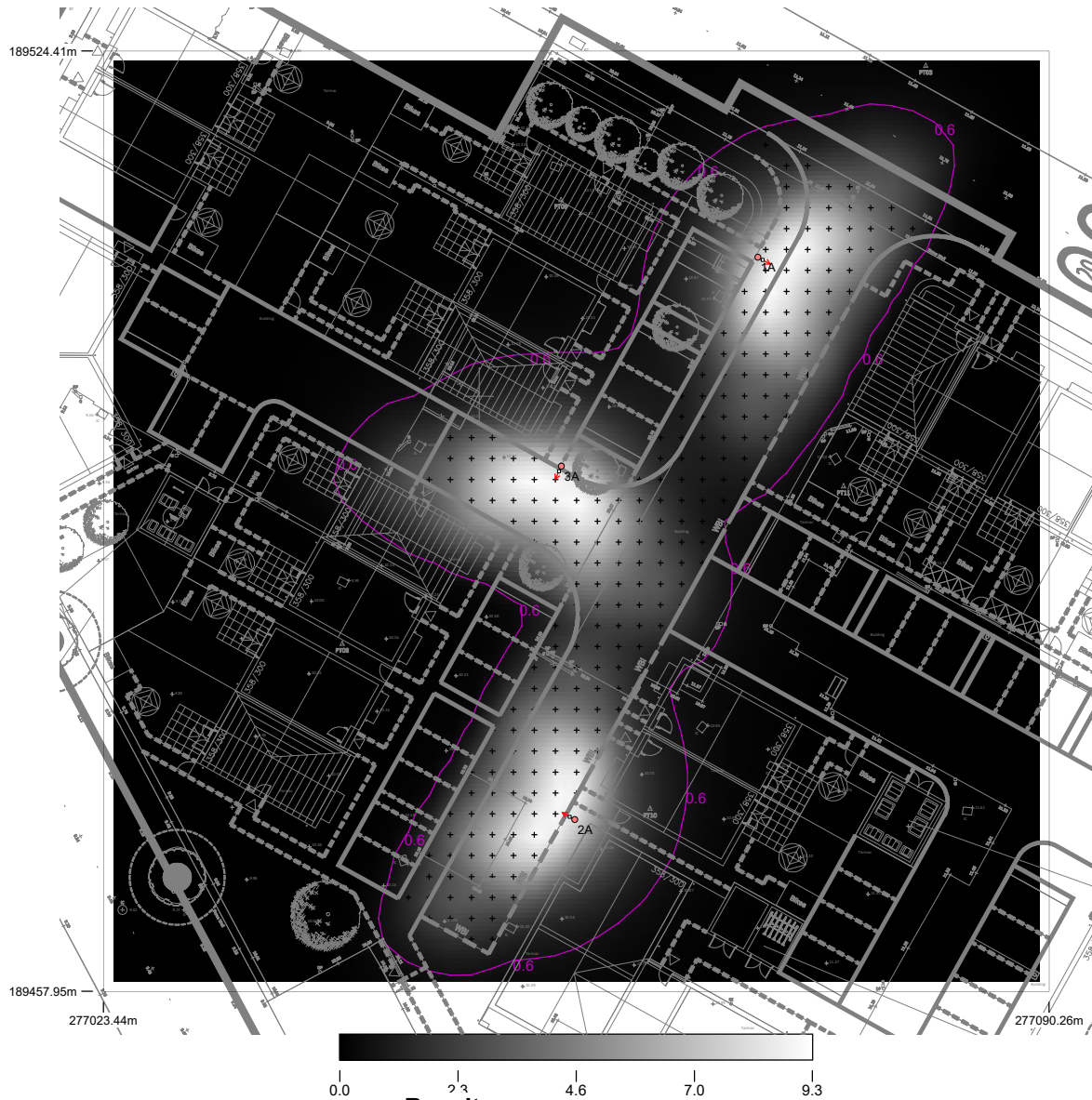
Supplier	
Type	ISARO PRO S - 12 x Neutral White 4000K L ED CRI70 700mA Gen3.8
Lamp(s)	LEDs
LampFlux(klm)/Colour	3.27 4000/70
File Name	IP12L70RWT740G38_DC.LDT
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	310.8, 31.2, 0.0
No. in Project	3

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Dimmed to	Target X	Target Y	Target Z
1	A	277069.66	189509.84	6.00	330.00	0.00	0.00	0.40	50%			
2	A	277056.73	189470.10	6.00	151.00	0.00	0.00	0.40	50%			
3	A	277055.78	189495.07	6.00	246.00	0.00	0.00	0.40	50%			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	4.33
Emin	0.61
Emax	9.28
Emin/Emax	0.07
Emin/Eav	0.14