

DATE: 1 April 2023
DESIGNER: SHD Lighting Consultancy Ltd
PROJECT No: SHD967
PROJECT NAME: off Arlecdon Road, Cumbria



CAD layout reference: N. Kay, Arlecdon Road, Arlecdon Site Plan

Lighting classification: BS 5489-1:2020, Table 4 & BS EN 12464-2:2014, Table 5.9

Maintained lighting levels for outdoor car parks
Light traffic: parking areas of shops, terraced & apartment houses, cycle parks

Minimum maintained average illuminance (Eav): >5.00 lux
Lighting uniformity (Emin/Eav) > 0.25 (25%)

Outdoor Lighting Report

PREPARED BY: SHD Lighting Consultancy Ltd
Contact: info@shdlighting.co.uk
Phone: 07834 490 192
Website: www.shdlighting.co.uk

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 598.2m x -54.5m
Area 123.0m x 103.3m
Sample Spacing 1.50m x 1.50m

Luminaires

Luminaire A Data

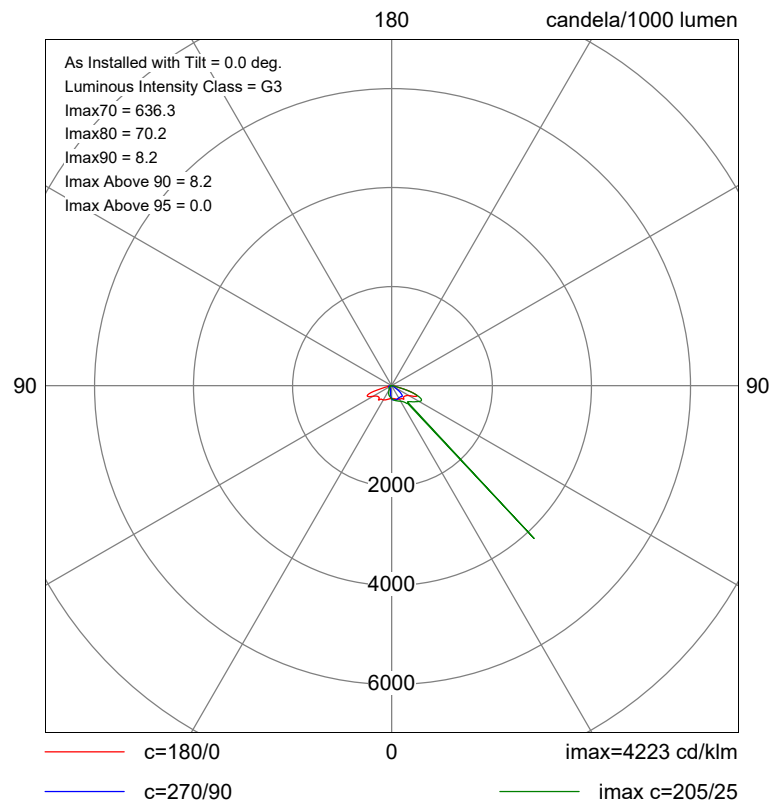
Supplier	Acropspire
Type	Defender 55 8W
Lamp(s)	LED Board
Lamp Flux (klm)	1.34
File Name	GFS-Defender-8W-T3.ies
Maintenance Factor	0.84
Lum. Int. Class	G3
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	669.17	5.00	6.00	134.00	0.00	0.00	0.50			
2	A	650.72	4.70	6.00	320.00	0.00	0.00	0.50			
3	A	646.45	-16.14	6.00	61.00	0.00	0.00	0.50			
4	A	662.12	-10.81	6.00	241.00	0.00	0.00	0.50			

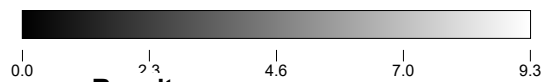
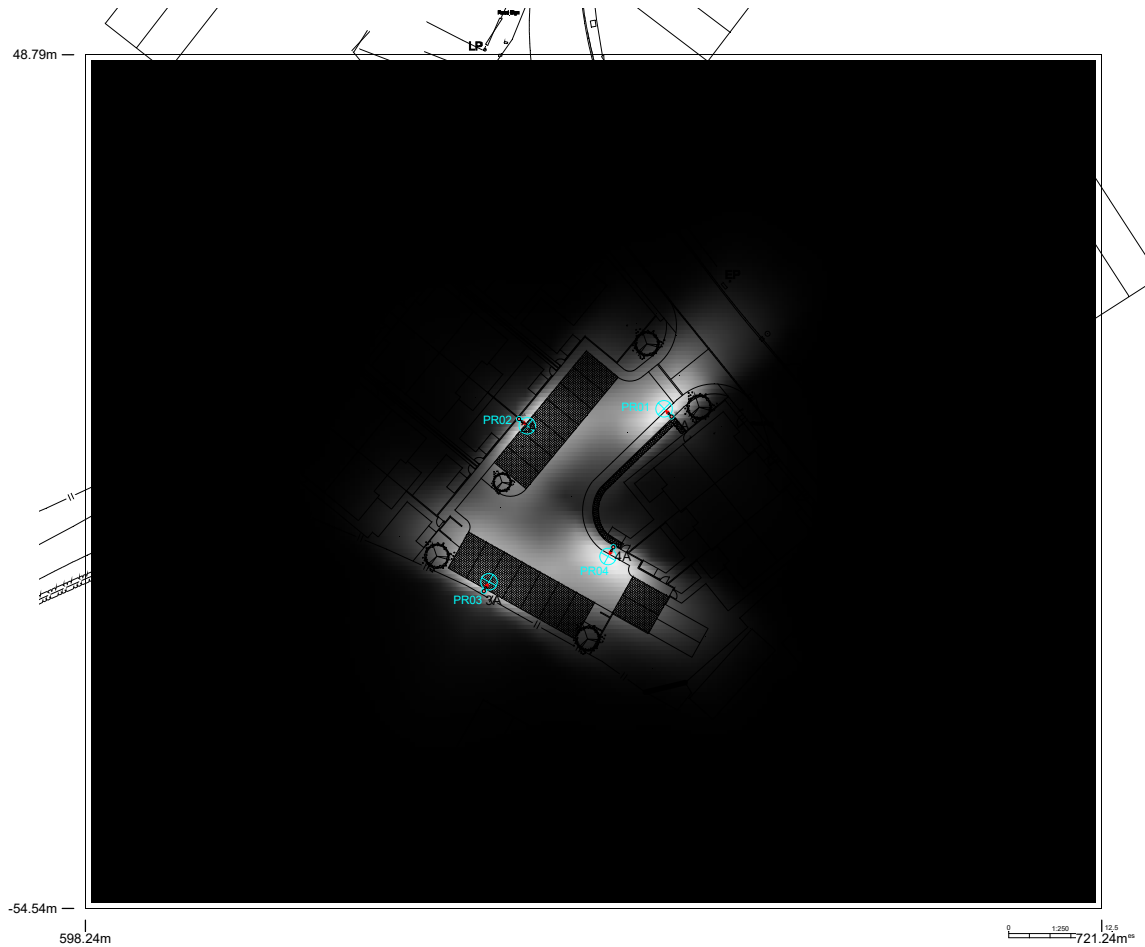
Polar Diagram

Luminaire A Defender 55 8W



Horizontal Illuminance (lux)

Grid 1: Car Park Area

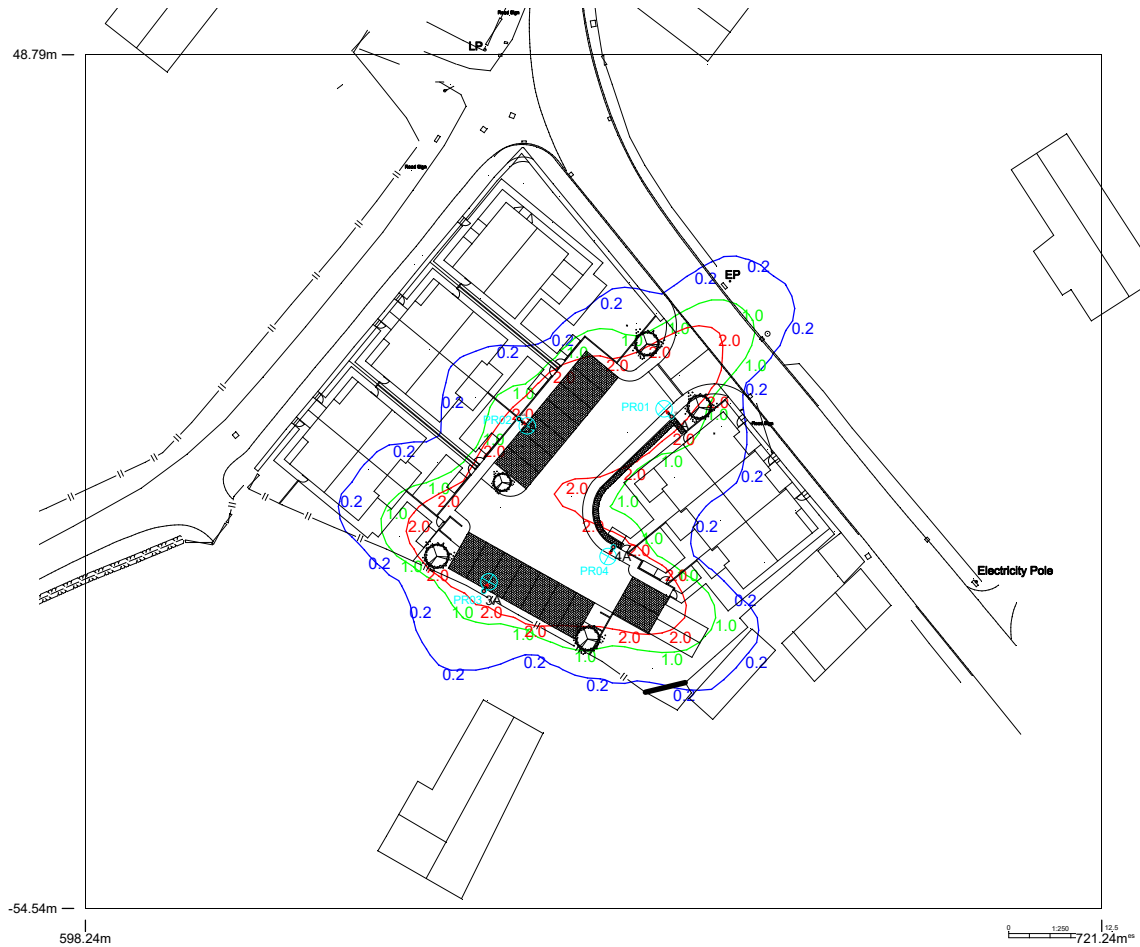


Results

Eav	5.00
Emin	1.37
Emax	9.28
Emin/Emax	0.15
Emin/Eav	0.27

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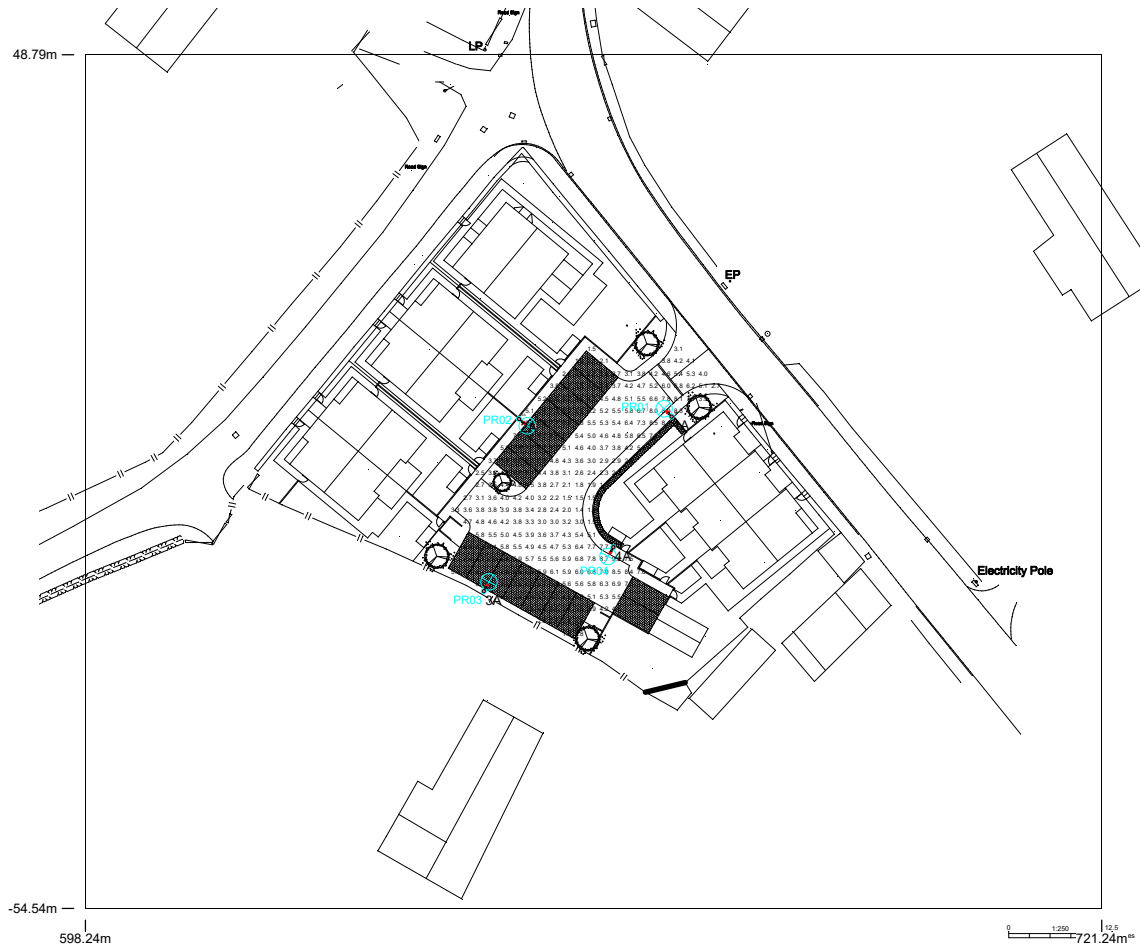


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