

DATE: 24 April 2025
DESIGNER: SHD Lighting Consultancy Limited
PROJECT No: SHD2082
PROJECT NAME: Lickers Lane, Halsnead



CAD layout reference: 333100660-P1-A-10700-Site Plan and Schedule-T3

Private Car Parks 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 and 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
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Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1: Whole Area	347137.28	390171.67	341.00	359.87	1.50	1.50
2	Grid 2: Light Traffic Car ...	347406.37	390415.88	51.00	51.00	1.50	1.50
3	Grid 3: Light Traffic Car ...	347308.08	390341.22	51.00	51.00	1.50	1.50
4	Grid 4: Light Traffic Car ...	347247.80	390343.12	51.00	51.00	1.50	1.50
5	Grid 5: Footpath	347312.08	390270.84	75.00	75.00	1.00	1.00

Luminares



Luminaire A Data

Supplier	D W Windsor
Type	Ely C 16LED 3k A2_300mA UMSUG 42 0014 0000 100
Lamp(s)	16x3k
Lamp Flux (klm)	2.29
File Name	Ely C 16LED 3k A2_300mA UMSUG 42 0014 0000 100.ies
Maintenance Factor	0.84
Lum. Int. Class	G3
No. in Project	7



Luminaire B Data

Supplier	Prolectric
Type	SBL2-200AWW
Lamp(s)	
Lamp Flux (klm)	1.00
File Name	SBL2-200AWW.ies
Maintenance Factor	0.84
Lum. Int. Class	G3
No. in Project	15

Layout

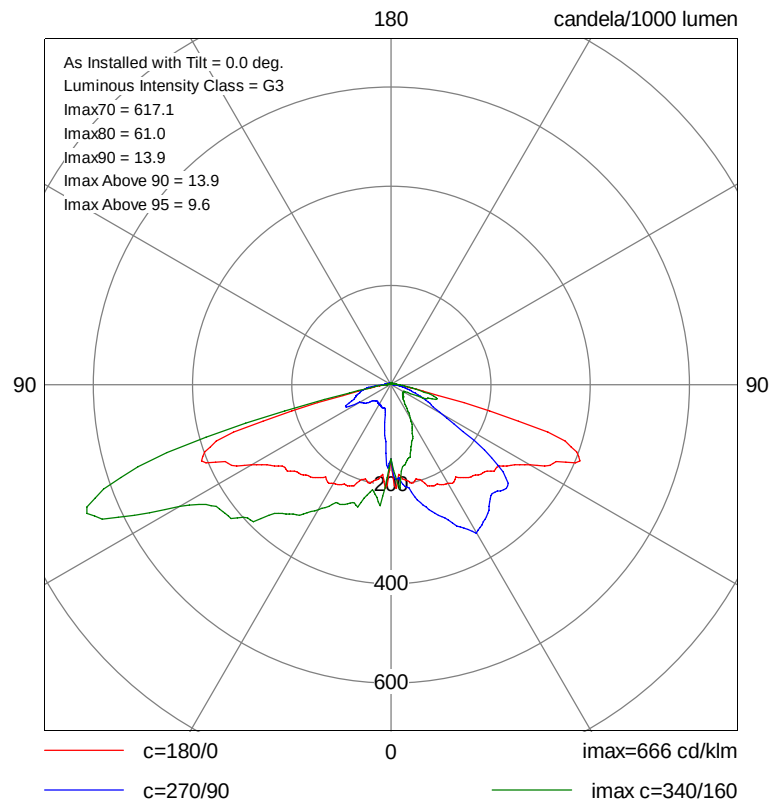
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	347435.62	390433.17	6.00	94.00	0.00	0.00	0.00			
2	A	347429.67	390450.99	6.00	273.00	0.00	0.00	0.00			
3	A	347348.92	390374.74	6.00	275.00	0.00	0.00	0.00			
4	A	347335.84	390358.47	6.00	94.00	0.00	0.00	0.00			
5	A	347324.43	390373.21	6.00	277.00	0.00	0.00	0.00			
6	A	347262.67	390368.80	6.00	273.00	0.00	0.00	0.00			
7	A	347283.20	390360.01	6.00	96.00	0.00	0.00	0.00			
8	B	347324.11	390332.60	1.00	232.00	0.00	0.00	0.00			
9	B	347327.92	390329.41	1.00	228.00	0.00	0.00	0.00			
10	B	347331.75	390326.18	1.00	228.00	0.00	0.00	0.00			
11	B	347335.58	390322.95	1.00	229.00	0.00	0.00	0.00			
12	B	347339.41	390319.75	1.00	229.00	0.00	0.00	0.00			
13	B	347343.22	390316.52	1.00	230.00	0.00	0.00	0.00			
14	B	347347.08	390313.31	1.00	229.00	0.00	0.00	0.00			
15	B	347350.89	390310.08	1.00	227.00	0.00	0.00	0.00			
16	B	347354.73	390306.88	1.00	229.00	0.00	0.00	0.00			

Layout Continued

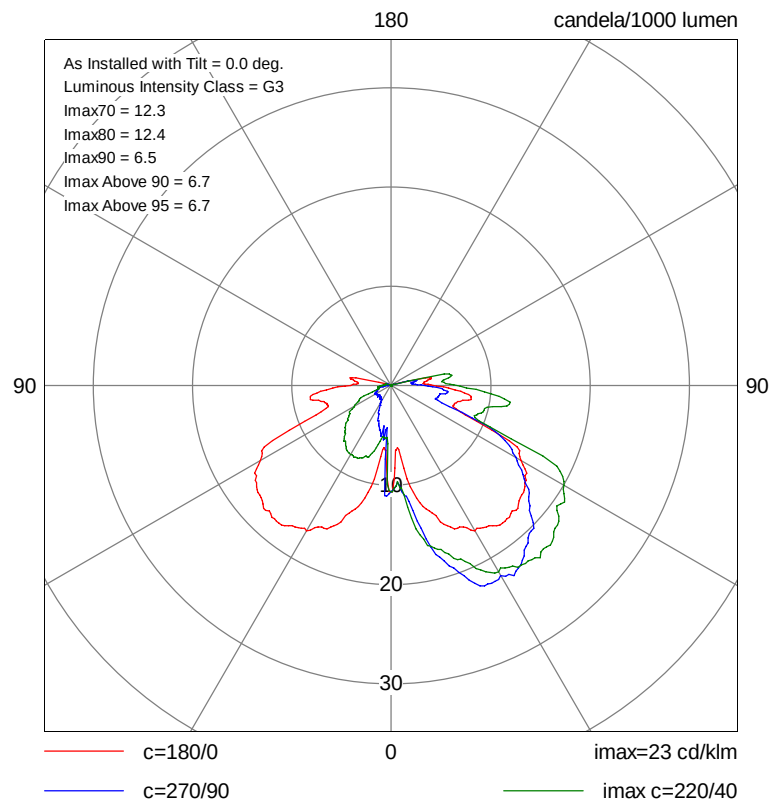
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
17	B	347358.53	390303.67	1.00	231.00	0.00	0.00	0.00			
18	B	347362.37	390300.43	1.00	230.00	0.00	0.00	0.00			
19	B	347366.20	390297.23	1.00	231.00	0.00	0.00	0.00			
20	B	347370.03	390294.02	1.00	231.00	0.00	0.00	0.00			
21	B	347373.84	390290.78	1.00	230.00	0.00	0.00	0.00			
22	B	347377.69	390287.56	1.00	230.00	0.00	0.00	0.00			

Polar Diagrams

Luminaire A Ely C 16LED 3k A2 300mA UMSUG 42 0014 0000 100



Luminaire B SBL2-200AWW



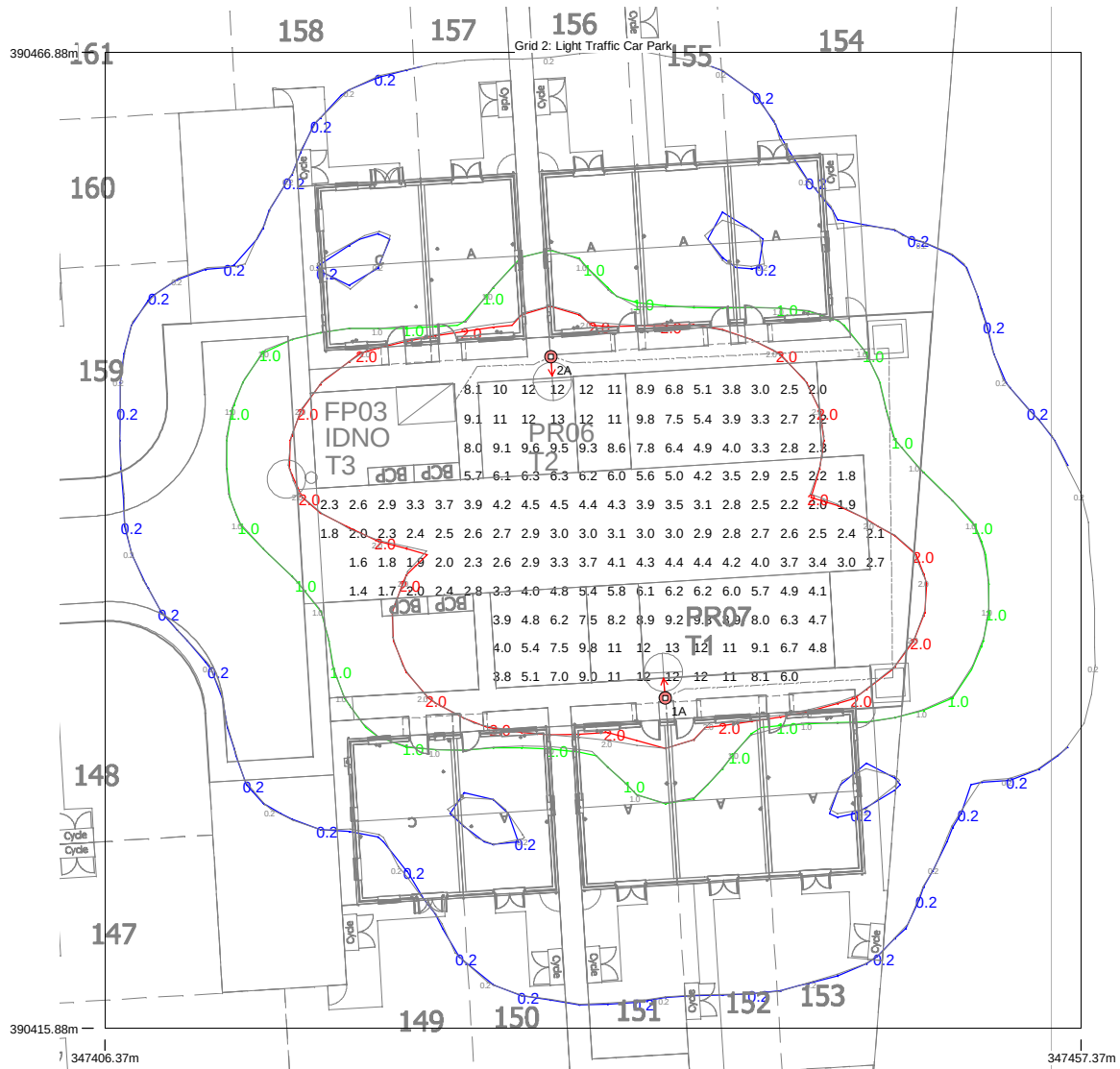
Horizontal Illuminance (lux)

Grid 1: Whole Area



Horizontal Illuminance (lux)

Grid 2: Light Traffic Car Park

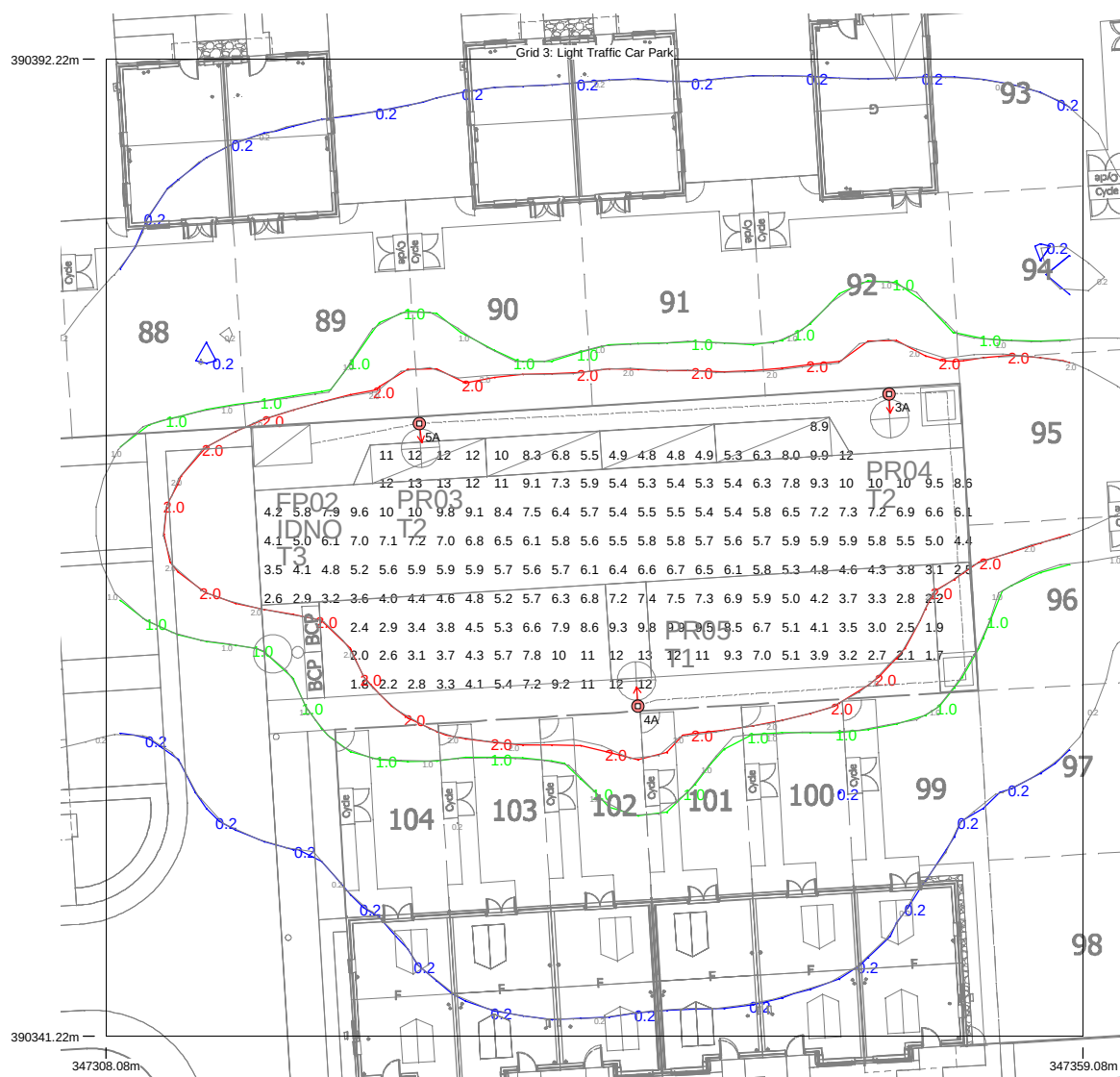


Results

Eav	5.44
Emin	1.40
Emax	12.77
Emin/Emax	0.11
Emin/Eav	0.26

Horizontal Illuminance (lux)

Grid 3: Light Traffic Car Park

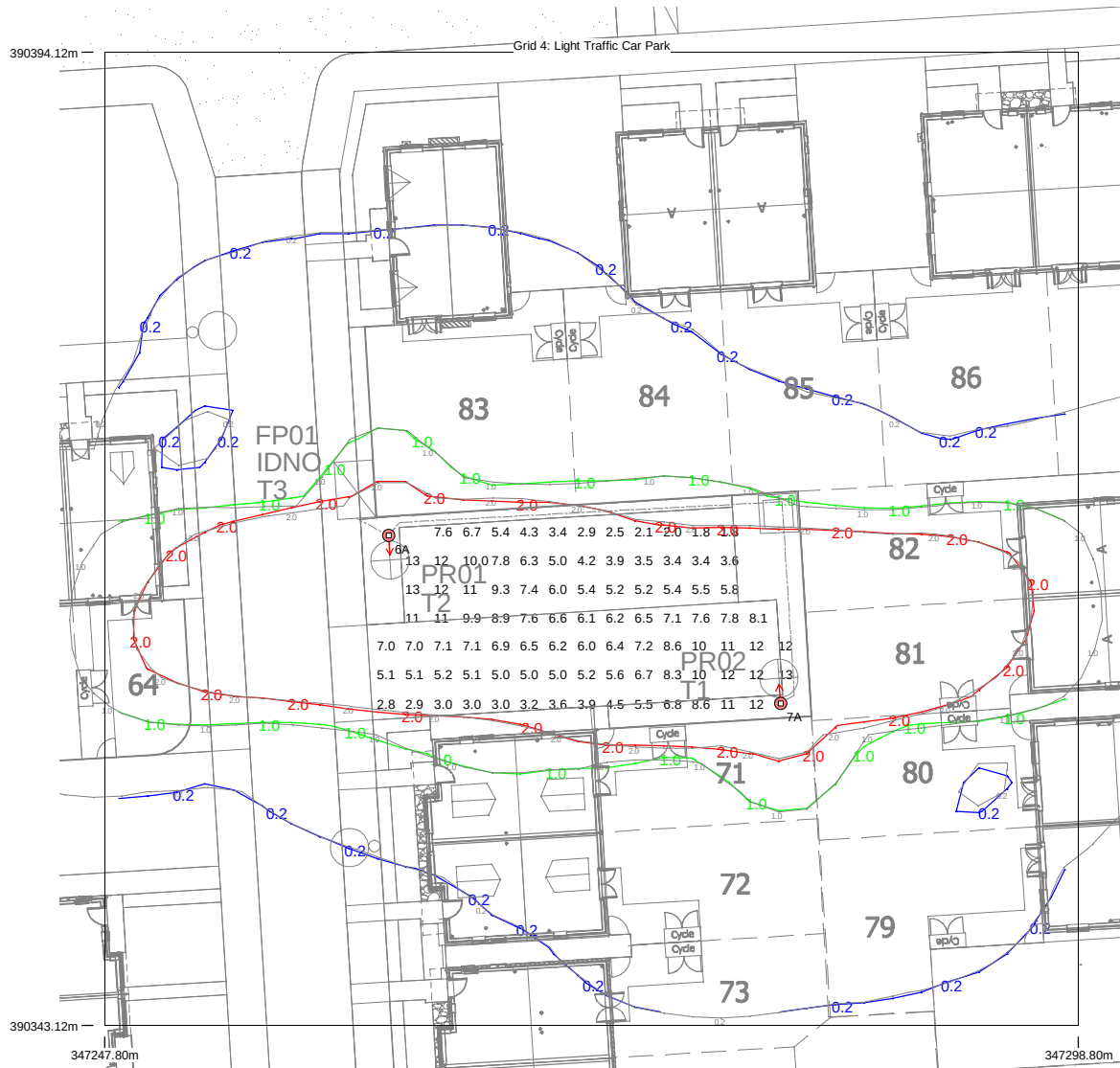


Results

Eav	6.42
Emin	1.67
E _{max}	13.16
Emin/E _{max}	0.13
Emin/Eav	0.26

Horizontal Illuminance (lux)

Grid 4: Light Traffic Car Park



Results

Eav	6.69
Emin	1.81
E _{max}	13.11
E _{min} /E _{max}	0.14
E _{min} /E _{av}	0.27

Horizontal Illuminance (lux)

Grid 5: Footpath

