

DATE: 8 August 2025
DESIGNER: KL
PROJECT No: 26035
PROJECT NAME: Winston & Cronton



26305-A-01B

Lighting Classification: P6

MF = 0.86 based on 5 year clean at E3

Outdoor Lighting Report

PREPARED BY: HDSLighting Ltd
First Avenue
Poynton Industrial estate
Poynton
Cheshire
SK12 1YP

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	2108.29	33.26	102.00	93.00	1.50	1.50
2	Grid 2	2151.75	57.00	48.00	45.00	1.50	1.50

Luminaires

Luminaire A Data

Supplier	
Type	SOLAR LED STREET LIGHT -20W -4000K
Lamp(s)	
Lamp Flux (klm)	3.89
File Name	Vision_VEGA_Solar LED_Street_Light_20 W.IES
Maintenance Factor	0.86
Imax70,80,90(cd/klm)	669.6, 194.1, 10.1
No. in Project	4

Luminaire B Data

Supplier	
Type	ALWP/1
Lamp(s)	
LampFlux(klm)/Colour	1.41 /0
File Name	ALWP-1 20W 3000K.Idt
Maintenance Factor	0.86
Imax70,80,90(cd/klm)	284.3, 241.5, 198.6
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Dimmed to	Target X	Target Y	Target Z
1	A	2153.85	74.37	6.00	5.00	5.00	0.00	0.30	40%			
2	A	2138.14	73.20	6.00	96.00	5.00	0.00	0.30	40%			
3	A	2154.80	99.23	6.00	274.00	5.00	0.00	0.30	40%			
4	A	2174.66	108.04	6.00	190.00	5.00	0.00	0.30	40%			
5	B	2174.89	89.54	3.00	95.00	45.00	0.00	0.00	100%			
8	B	2184.62	80.56	3.00	5.00	45.00	0.00	0.00	100%			
9	B	2175.88	70.70	3.00	275.00	45.00	0.00	0.00	100%			
12	B	2167.13	78.86	3.00	189.00	45.00	0.00	0.00	100%			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	2.87
Emin	0.70
E _{max}	19.05
E _{min} /E _{max}	0.04
E _{min} /E _{av}	0.24

Horizontal Illuminance (lux)

Grid 1

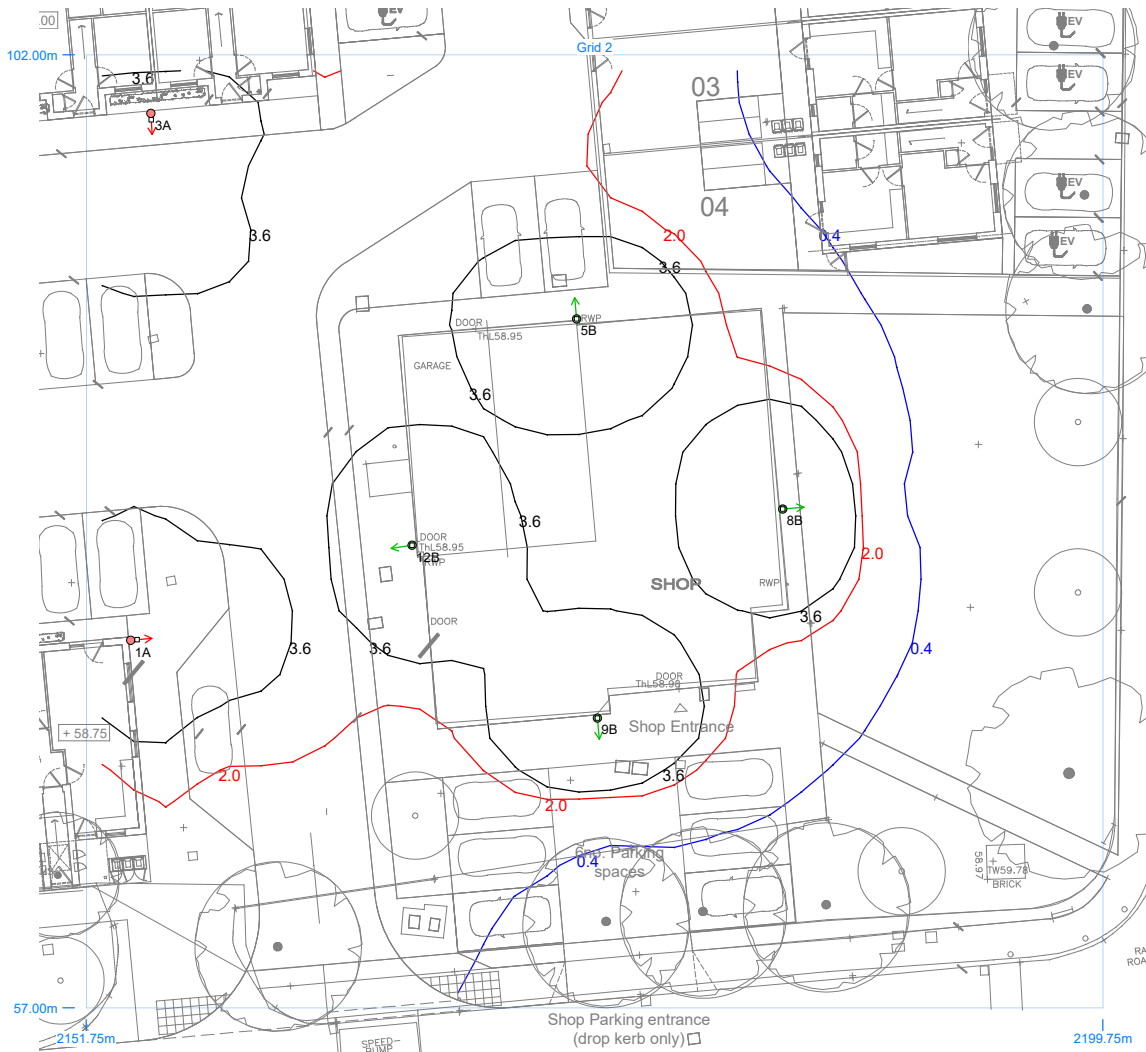


Results

Eav	2.87
Emin	0.70
Emax	19.05
Emin/Emax	0.04
Emin/Eav	0.24

Horizontal Illuminance (lux)

Grid 2

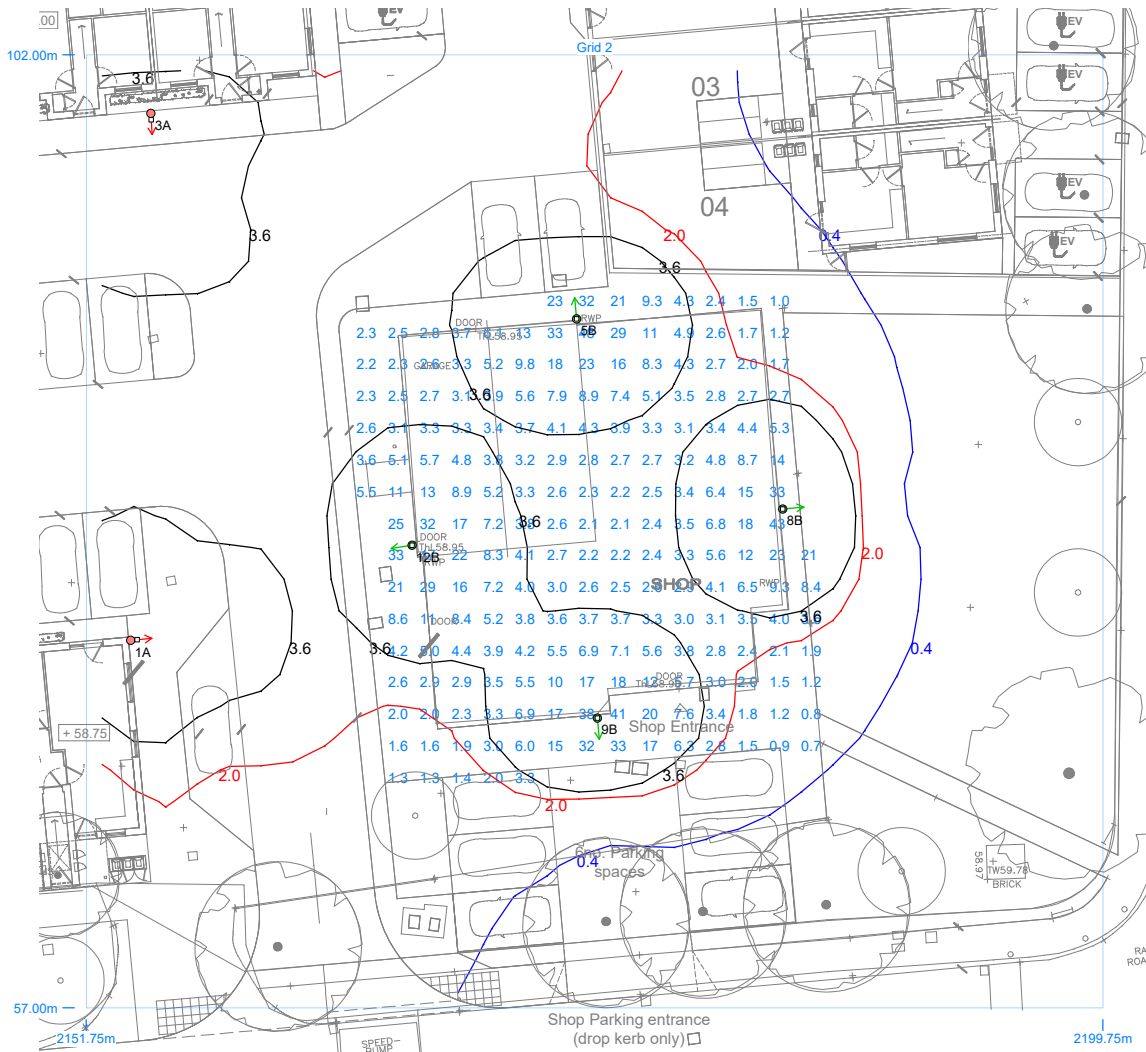


Results

Eav	7.80
Emin	0.66
E _{max}	48.38
E _{min} /E _{max}	0.01
E _{min} /E _{av}	0.08

Horizontal Illuminance (lux)

Grid 2



Results

Eav	7.80
Emin	0.66
Emax	48.38
Emin/Emax	0.01
Emin/Eav	0.08