

DATE: 6 May 2021
DESIGNER: SS
PROJECT No: 22460
PROJECT NAME: Main Road, Rhosrobin, Wrexham



22460-A-01
Conflict Area
Lighting Class C3

Outdoor Lighting Report

PREPARED BY: Harttron Ltd
Units 3-3a
Second Avenue
Poynton Industrial estate
Poynton
Cheshire
Sk12 1ND
T:01625850855
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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	332897.80	352508.62	198.00	153.00	1.50	1.50

Luminaires

Luminaire A Data



Supplier	Holophane Europe
Type	VMX.2.LA034.V1.F4Q1.W018
Lamp(s)	LED C.3000 Lumens
Lamp Flux (klm)	2.74
File Name	VMX.2.LA034.V1.F4Q1.W018.IES
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	461.8, 69.9, 0.0
No. in Project	1

Luminaire B Data



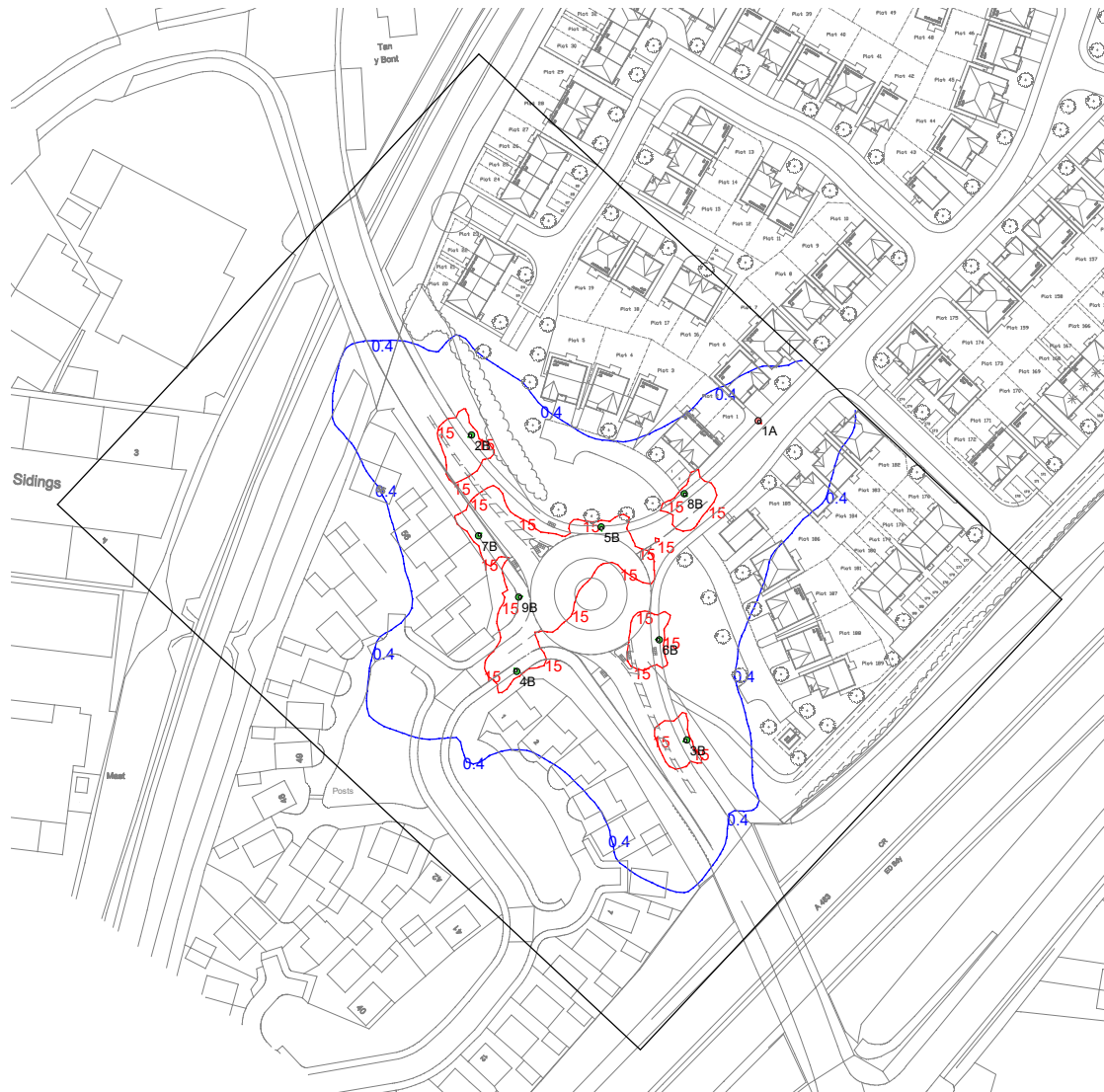
Supplier	Holophane Europe
Type	VMX.2.LA114.V2.D4D4.W079
Lamp(s)	LED C.11000 Lumens
Lamp Flux (klm)	10.92
File Name	VMX.2.LA114.V2.D4D4.W079.IES
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	715.1, 302.4, 0.0
No. in Project	8

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	333071.68	352529.36	6.00	319.00	5.00	0.00	0.30			
2	B	333000.49	352525.88	6.00	213.00	5.00	0.00	0.30			
3	B	333053.89	352450.16	6.00	201.00	5.00	0.00	0.30			
4	B	333011.70	352467.18	6.00	128.00	5.00	0.00	0.30			
5	B	333032.69	352503.02	6.00	277.00	5.00	0.00	0.30			
6	B	333047.13	352475.06	6.00	177.00	5.00	0.00	0.30			
7	B	333002.22	352500.86	6.00	36.00	5.00	0.00	0.30			
8	B	333053.26	352511.29	6.00	319.00	5.00	0.00	0.30			
9	B	333012.23	352485.61	6.00	9.00	5.00	0.00	0.30			

Horizontal Illuminance (lux)

Grid 1

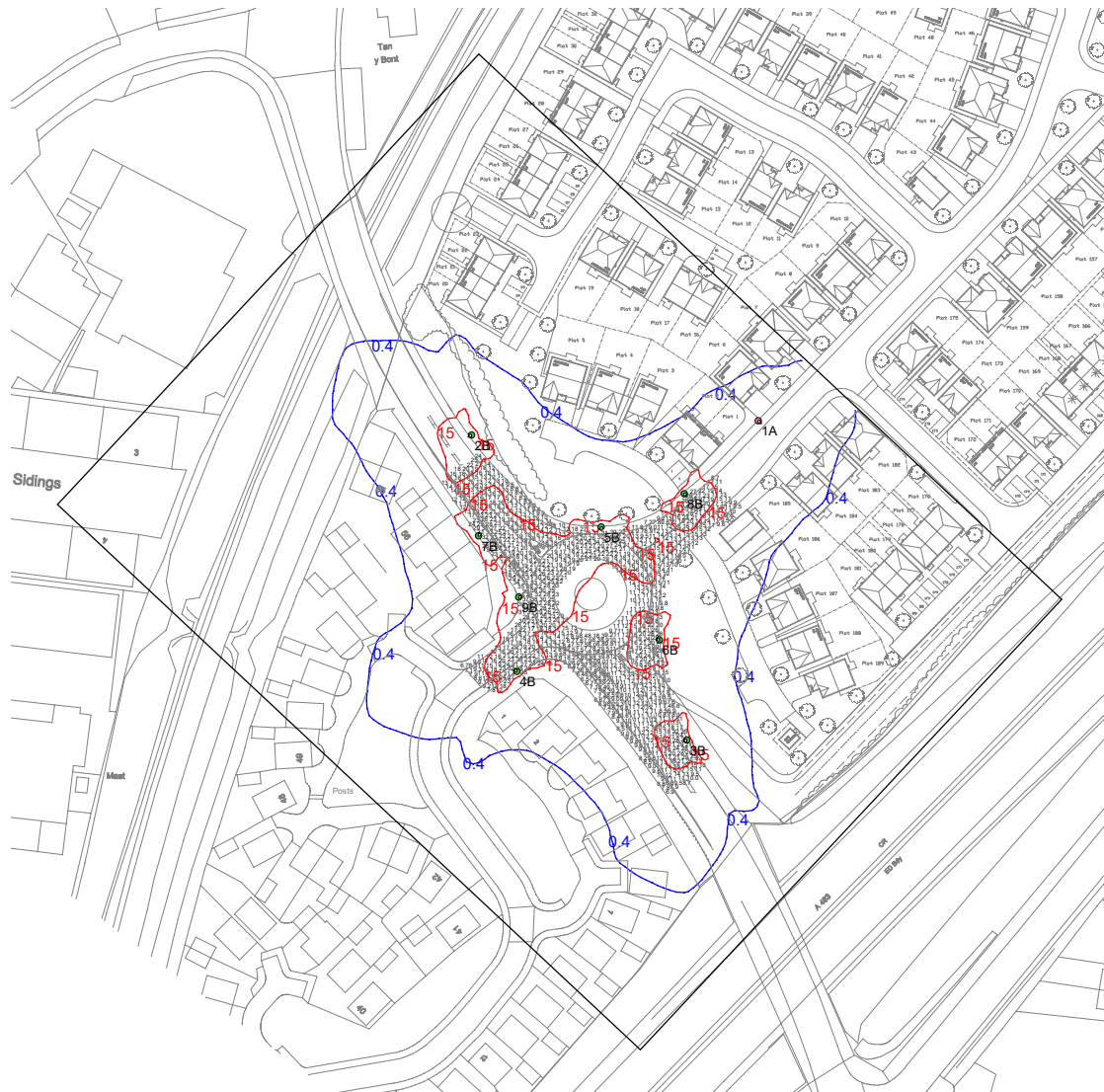


Results

Eav	16.30
Emin	6.44
Emax	40.54
Emin/Emax	0.16
Emin/Eav	0.40

Horizontal Illuminance (lux)

Grid 1



Results

Eav	16.30
Emin	6.44
Emax	40.54
Emin/Emax	0.16
Emin/Eav	0.40