

DATE: 8 January 2021
DESIGNER: TL
PROJECT No: 21900
PROJECT NAME: Rossett Road, Rossett, Wrexham



21900-A-01C
Lighting Class P4

Outdoor Lighting Report

PREPARED BY: Harttron Ltd
Units 3-3a
Second Avenue
Poynton Industrial estate
Poynton
Cheshire
Sk12 1ND
T:01625850855
F:01625850856

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	337225.68	357323.86	180.00	210.00	1.50	1.50
2	Grid 2	337163.38	357026.10	322.35	531.84	12.89	21.27
3	Grid 3	337161.05	357117.44	180.00	210.00	1.50	1.50

Luminaires



Luminaire B Data

Supplier	Urbis Schreder
Type	AMPERA MINI 5068 Flat glass 24 OSLO SQUARE GIANT@350mA NW
Lamp(s)	24 OSLO SQUARE GIANT@350mA NW 740 230V
LampFlux(klm)/Colour	3.52 NW 4000K/70
File Name	AMPERA MINI 5068 24 OSLO SQUARE GIANT 350mA NW 740 26W 404502 Flat g...
Maintenance Factor	0.82
Imax70,80,90(cd/klm)	386.8, 173.4, 0.0
No. in Project	28

Layout

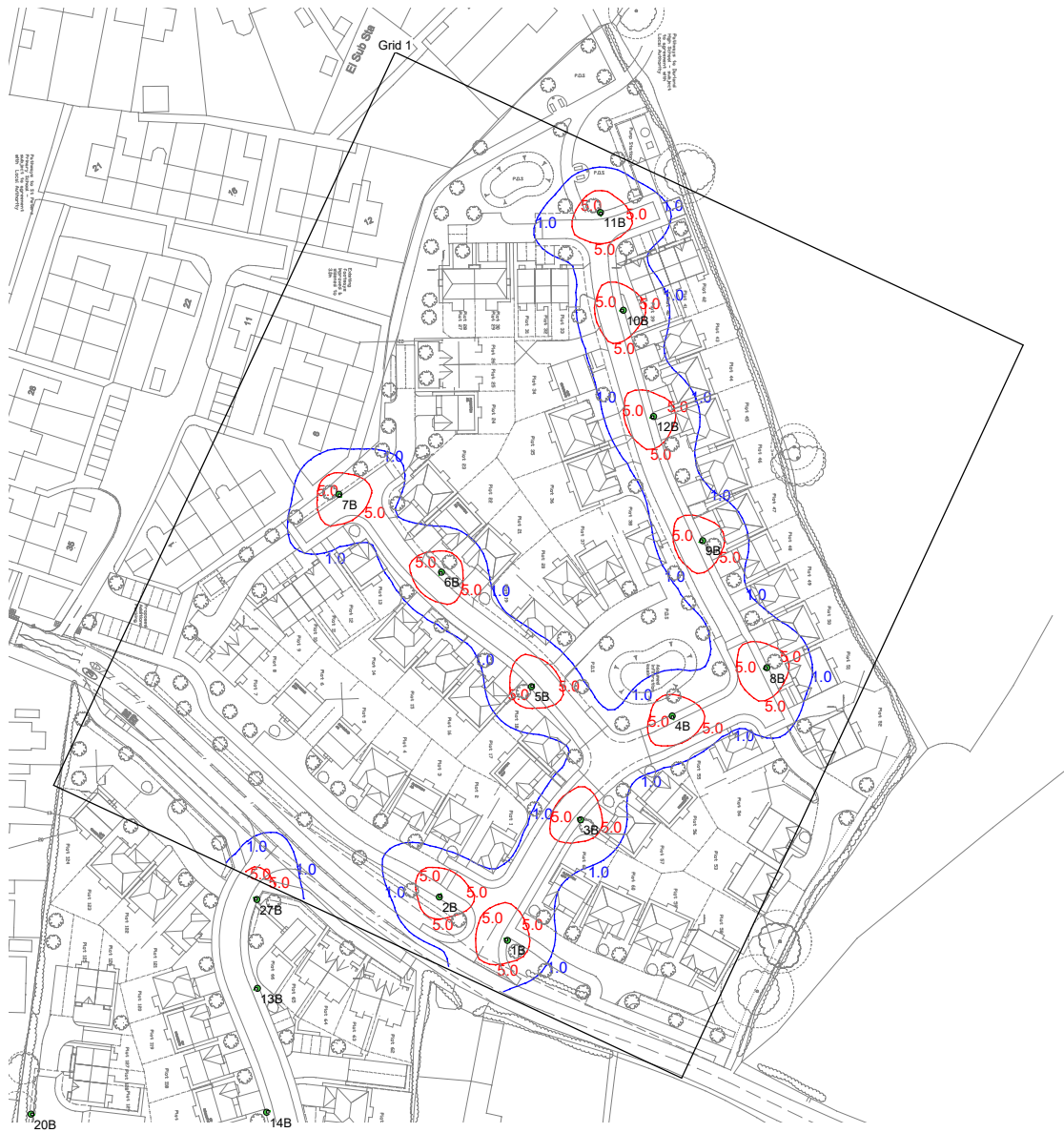
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	B	337343.61	357283.57	6.00	151.00	0.00	0.00	0.30			
2	B	337325.88	357294.78	6.00	61.00	0.00	0.00	0.30			
3	B	337362.59	357314.83	6.00	147.00	0.00	0.00	0.30			
4	B	337386.35	357341.79	6.00	297.00	0.00	0.00	0.30			
5	B	337349.81	357349.40	6.00	44.00	0.00	0.00	0.30			
6	B	337326.46	357379.13	6.00	227.00	0.00	0.00	0.30			
7	B	337299.81	357399.41	6.00	309.00	0.00	0.00	0.30			
8	B	337411.01	357354.38	6.00	200.00	0.00	0.00	0.30			
9	B	337394.29	357387.32	6.00	201.00	0.00	0.00	0.30			
10	B	337373.72	357447.17	6.00	188.00	0.00	0.00	0.30			
11	B	337367.75	357472.58	6.00	279.00	0.00	0.00	0.30			
12	B	337381.56	357419.56	6.00	201.00	0.00	0.00	0.30			
13	B	337278.60	357271.08	6.00	204.00	0.00	0.00	0.30			
14	B	337281.03	357238.93	6.00	16.00	0.00	0.00	0.30			
15	B	337294.07	357210.67	6.00	182.00	0.00	0.00	0.30			
16	B	337283.18	357183.05	6.00	346.00	0.00	0.00	0.30			
17	B	337264.61	357176.57	6.00	263.00	0.00	0.00	0.30			
18	B	337212.57	357176.55	6.00	345.00	0.00	0.00	0.30			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
19	B	337216.16	357209.13	6.00	350.00	0.00	0.00	0.30			
20	B	337219.81	357238.44	6.00	352.00	0.00	0.00	0.30			
21	B	337307.56	357175.63	6.00	262.00	0.00	0.00	0.30			
22	B	337333.08	357172.92	6.00	261.00	0.00	0.00	0.30			
23	B	337358.50	357168.08	6.00	178.00	0.00	0.00	0.30			
24	B	337289.30	357153.95	6.00	168.00	0.00	0.00	0.30			
25	B	337266.27	357094.17	6.00	75.00	0.00	0.00	0.30			
26	B	337280.02	357122.68	6.00	156.00	0.00	0.00	0.30			
27	B	337278.51	357294.16	6.00	151.00	0.00	0.00	0.30			
28	B	337238.91	357179.57	6.00	263.00	0.00	0.00	0.30			

Horizontal Illuminance (lux)

Grid 1

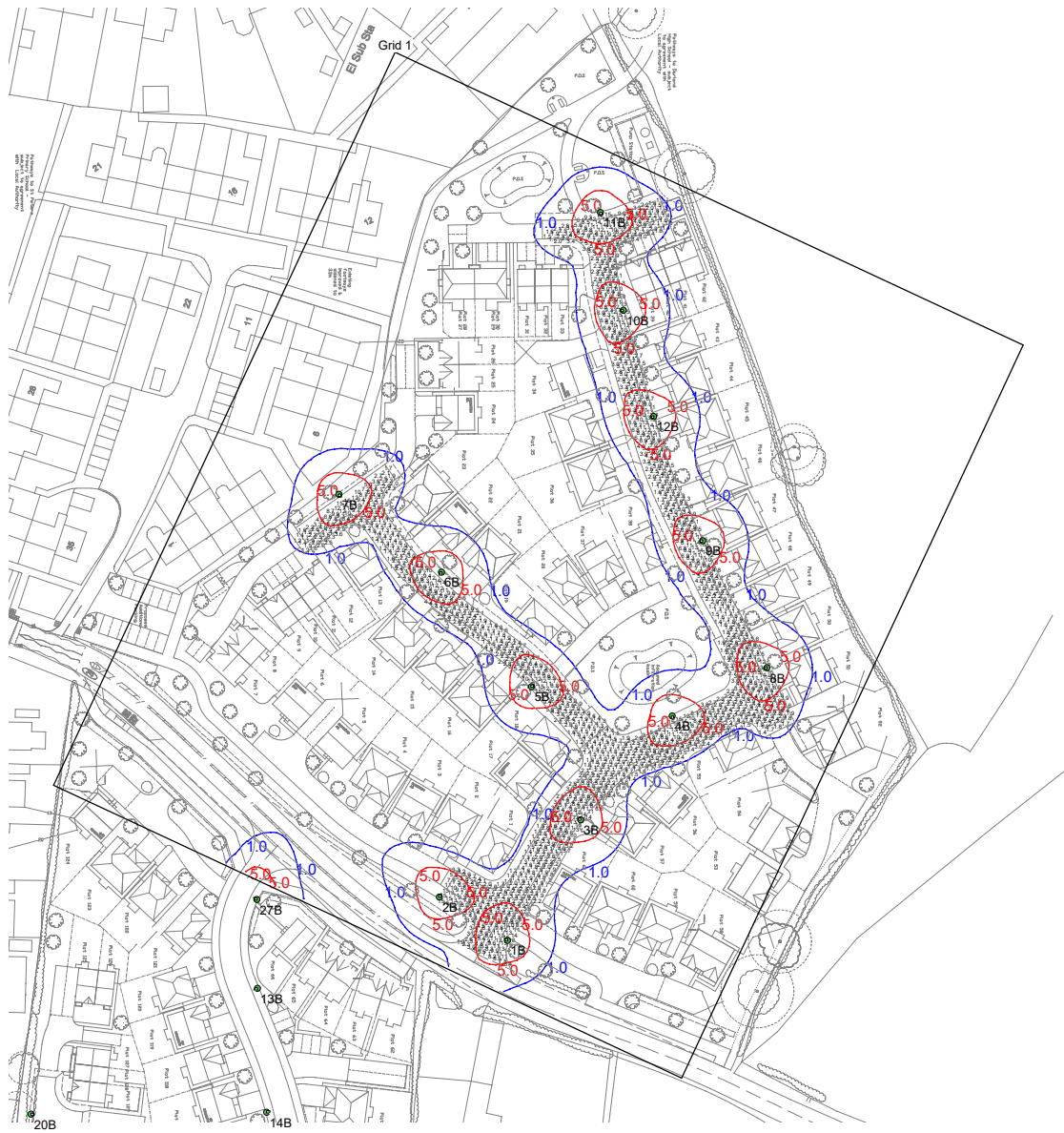


Results

Eav	5.01
Emin	1.14
Emax	15.70
Emin/Emax	0.07
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.01
Emin	1.14
Emax	15.70
Emin/Emax	0.07
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 3

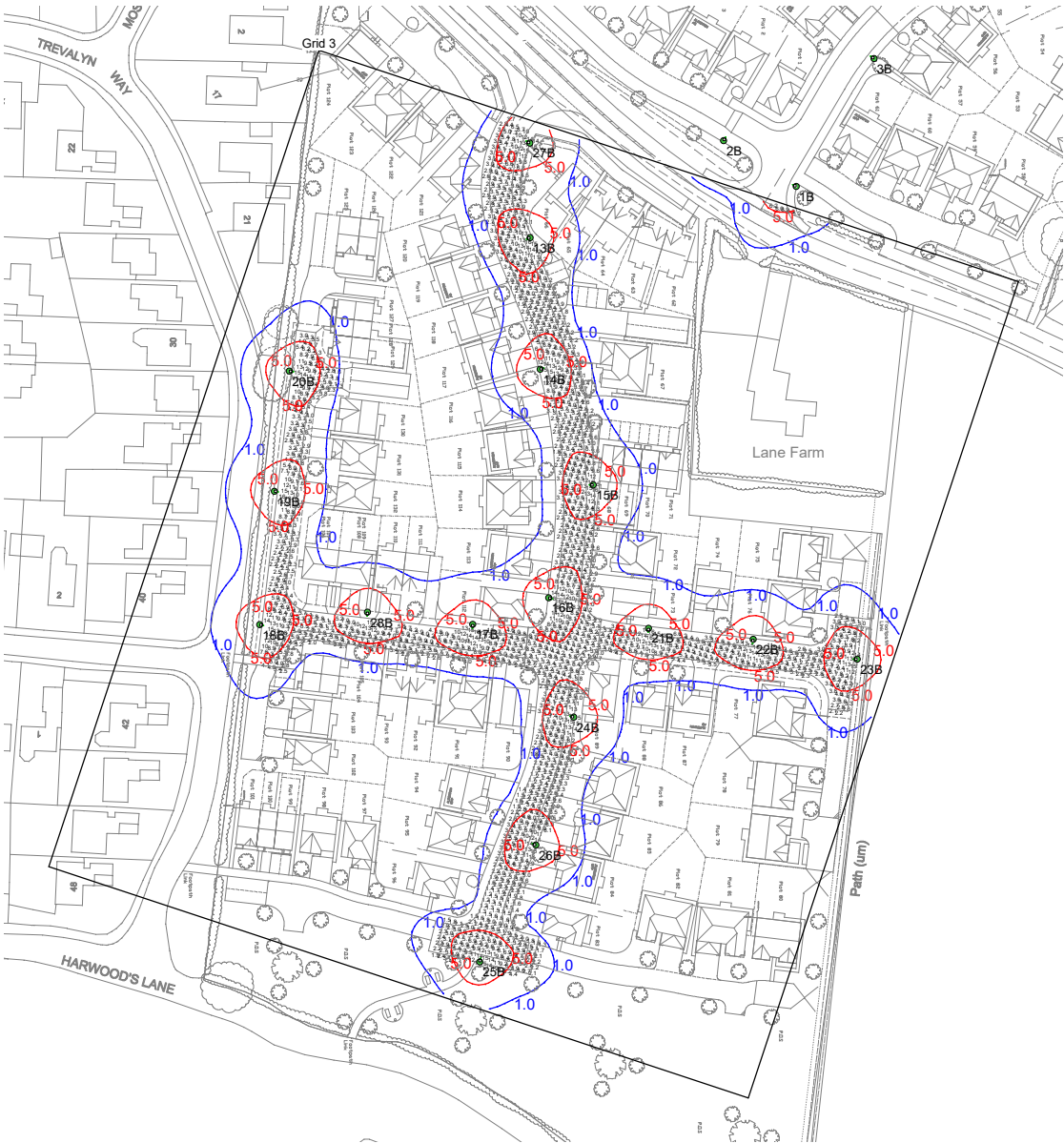


Results

Eav	5.66
Emin	1.13
Emax	15.90
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3



Results

Eav	5.66
Emin	1.13
Emax	15.90
Emin/Emax	0.07
Emin/Eav	0.20