

DATE: 25 May 2022
DESIGNER: J Hockley
PROJECT No: PHLITTLE-MAIN.2/LR01
PROJECT NAME: Main Avenue Lighting

**LIGHTING
REALITY**

Designed to BS EN 13201:2015, Class P4

Outdoor Lighting Report

PREPARED BY: Design Software from:
Lighting Reality Ltd
Park Business Centre
Wood Lane
Erdington
Birmingham
B24 9QR
United Kingdom
e-mail: sales@lightingreality.com
website: www.lightingreality.com

t:__design ab projects\02 - current jobs\phliddle-main\02 mb design\04 lighting_main avenue\infrastructure_p4.rtma

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	503426.01	103798.90	197.49	85.09	1.50	1.49
2	Grid 2	503621.01	103790.91	210.11	66.37	1.49	1.47
3	Grid 3	503824.68	103884.45	180.95	70.90	1.50	1.48
4	Grid 4	503716.23	104114.29	211.34	80.13	1.50	1.48
5	Grid 5	503474.24	104137.49	272.04	51.93	1.49	1.48

Luminaire



Luminaire A Data

Supplier	Philips
Type	BGP760 DW50
Lamp(s)	LED-HB 5.1S CW
Lamp Flux (klm)	5.40
File Name	DigiStreet Micro _BGP760_DW50_5400_2 0LED_5.1S_CLO_L90_CW.ies
Maintenance Factor	0.75
Imax70,80,90(cd/klm)	595.5, 51.0, 0.0
No. in Project	33

Layout

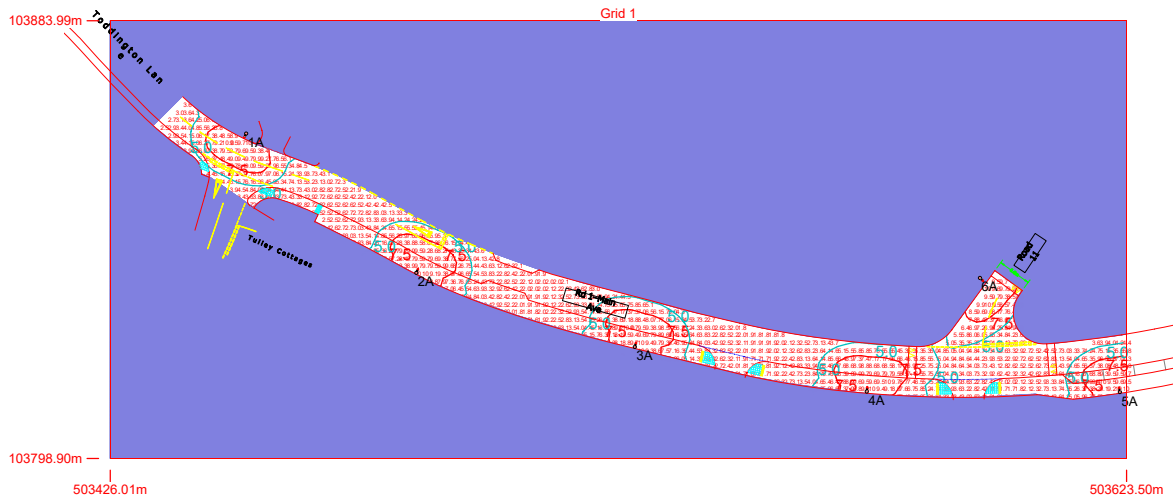
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	503452.42	103862.06	6.00	243.00	5.00	0.00	0.40			
2	A	503485.48	103835.00	6.00	67.00	5.00	0.00	0.40			
3	A	503527.91	103820.61	6.00	74.00	5.00	0.00	0.40			
4	A	503572.99	103811.93	6.00	84.00	5.00	0.00	0.40			
5	A	503622.15	103811.85	6.00	99.00	5.00	0.00	0.40			
6	A	503594.97	103834.00	6.00	317.00	5.00	0.00	0.40			
7	A	503654.73	103833.28	6.00	289.00	5.00	0.00	0.40			
8	A	503685.82	103844.91	6.00	296.00	5.00	0.00	0.40			
9	A	503715.94	103860.16	6.00	301.00	5.00	0.00	0.40			
10	A	503743.63	103878.80	6.00	310.00	5.00	0.00	0.40			
11	A	503769.38	103900.48	6.00	315.00	5.00	0.00	0.40			
12	A	503793.65	103923.42	6.00	321.00	5.00	0.00	0.40			
13	A	503818.61	103934.16	6.00	143.00	5.00	0.00	0.40			
14	A	503871.35	104000.10	6.00	142.00	5.00	0.00	0.40			
15	A	503853.84	103976.30	6.00	145.00	5.00	0.00	0.40			
16	A	503888.18	104025.66	6.00	148.00	5.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
17	A	503902.92	104051.42	6.00	161.00	5.00	0.00	0.40			
18	A	503891.16	104078.41	6.00	24.00	5.00	0.00	0.40			
19	A	503922.45	104084.88	6.00	242.00	5.00	0.00	0.40			
20	A	503874.39	104105.96	6.00	251.00	5.00	0.00	0.40			
21	A	503839.49	104121.87	6.00	250.00	5.00	0.00	0.40			
22	A	503808.31	104134.47	6.00	248.00	5.00	0.00	0.40			
23	A	503778.38	104145.73	6.00	250.00	5.00	0.00	0.40			
24	A	503749.88	104155.04	6.00	255.00	5.00	0.00	0.40			
25	A	503712.03	104165.44	6.00	255.00	5.00	0.00	0.40			
26	A	503679.34	104162.42	6.00	82.00	5.00	0.00	0.40			
27	A	503647.42	104167.23	6.00	84.00	5.00	0.00	0.40			
28	A	503615.46	104170.59	6.00	87.00	5.00	0.00	0.40			
29	A	503586.08	104171.45	6.00	89.00	5.00	0.00	0.40			
30	A	503556.12	104171.54	6.00	91.00	5.00	0.00	0.40			
31	A	503523.04	104171.45	6.00	94.00	5.00	0.00	0.40			
32	A	503490.61	104171.45	6.00	94.00	5.00	0.00	0.40			
33	A	503836.38	103954.54	6.00	143.00	5.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

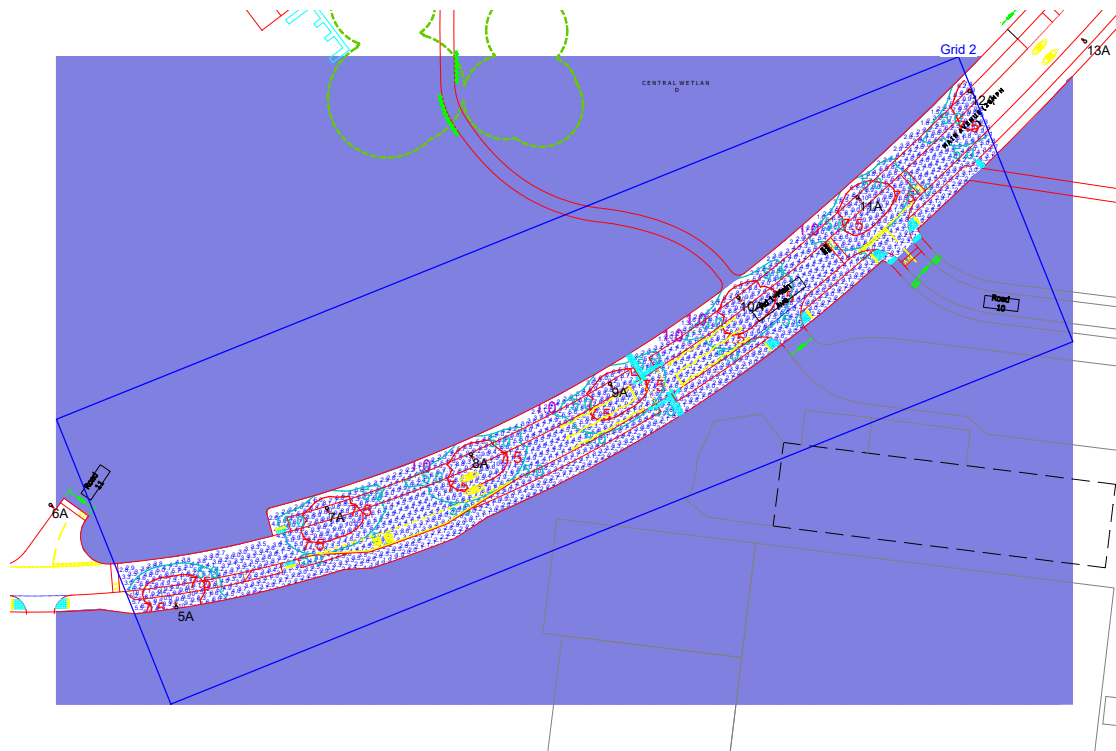


Results

Eav	5.04
Emin	1.47
Emax	10.20
Emin/Emax	0.14
Emin/Eav	0.29

Horizontal Illuminance (lux)

Grid 2

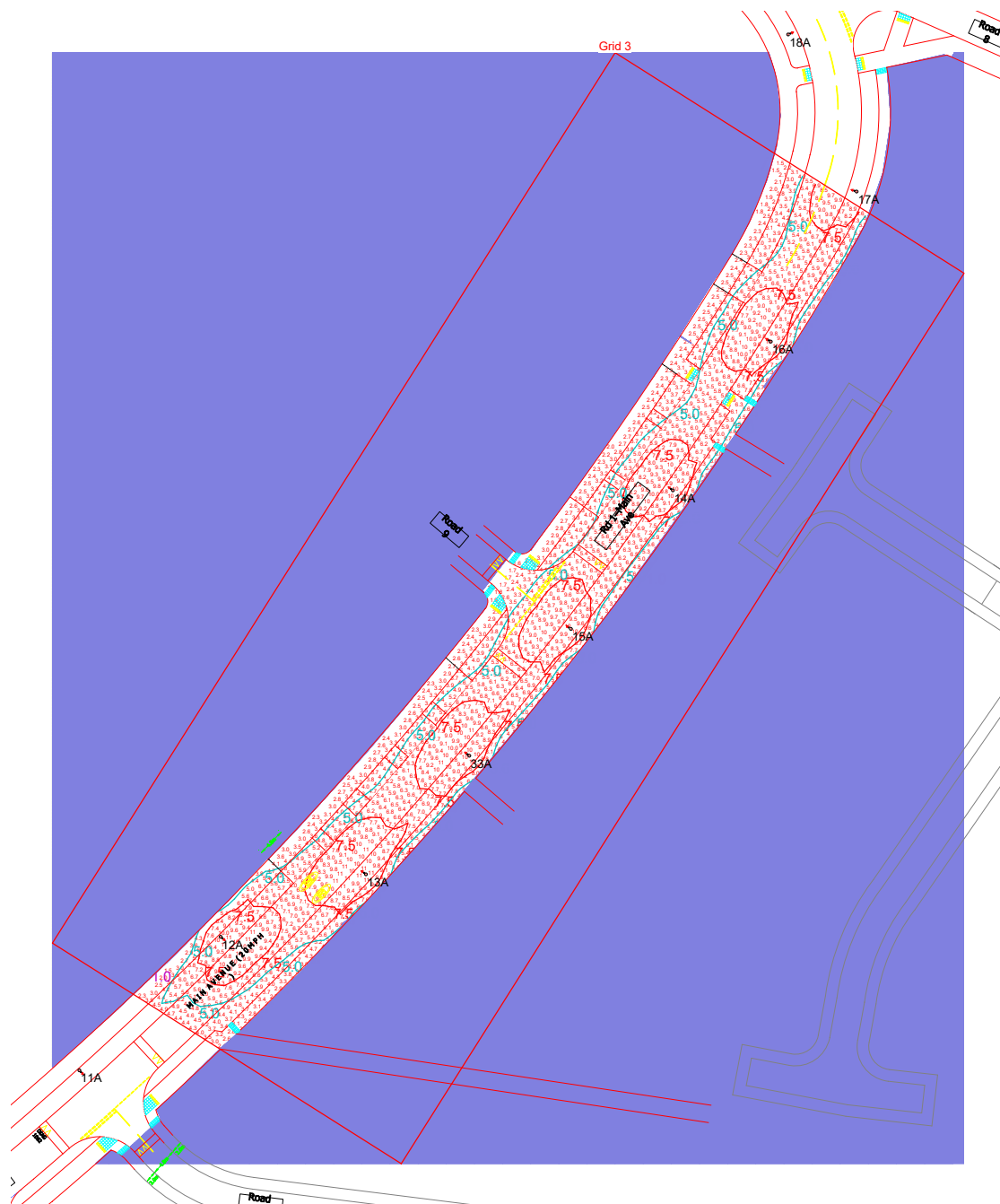


Results

Eav	5.10
Emin	1.28
Emax	10.60
Emin/Emax	0.12
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 3

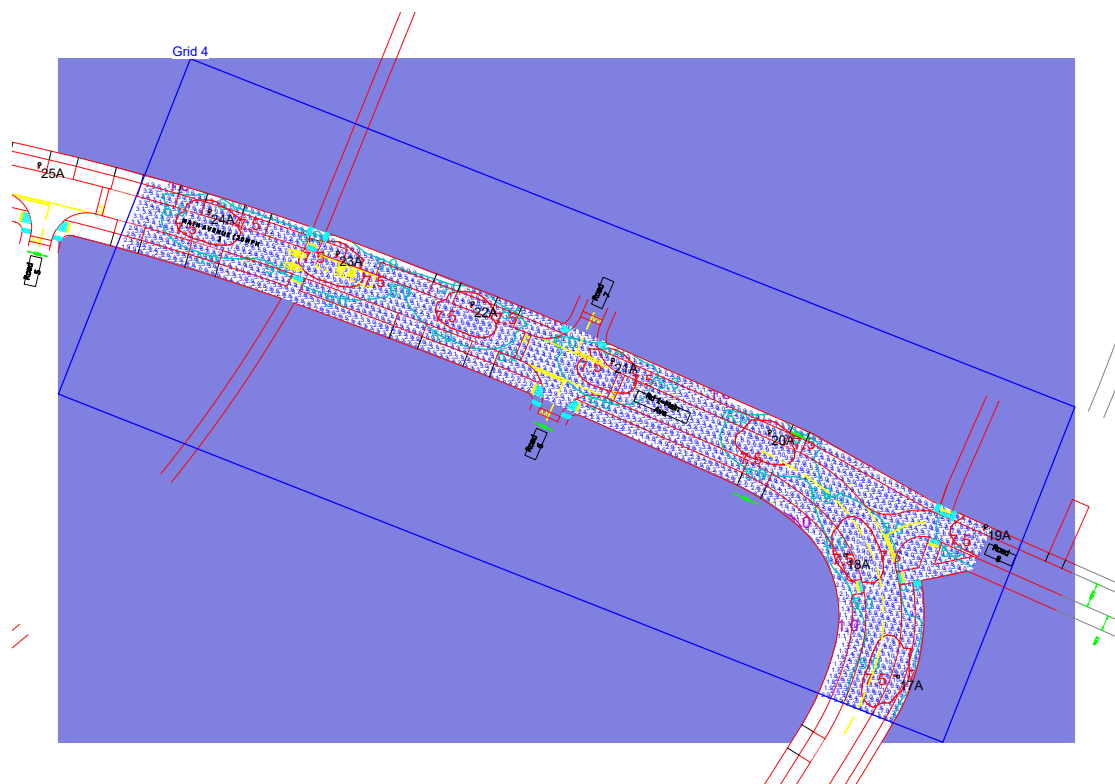


Results

Eav	6.09
Emin	1.23
Emax	11.02
Emin/Emax	0.11
Emin/Eav	0.20

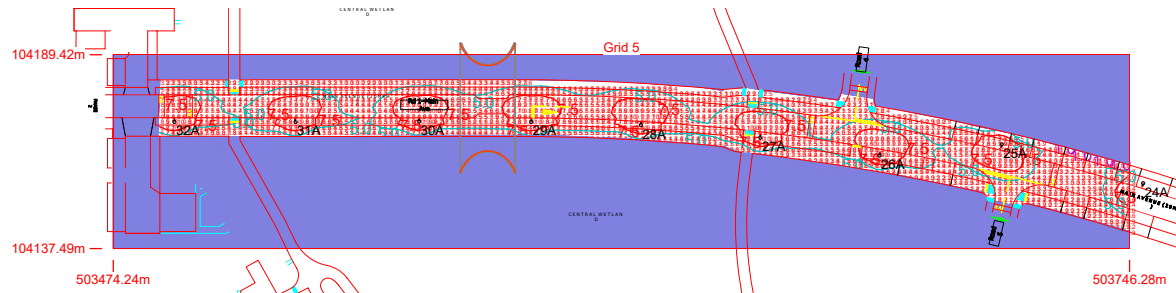
Horizontal Illuminance (lux)

Grid 4



Horizontal Illuminance (lux)

Grid 5



Results

Eav	5.47
Emin	1.31
Emax	10.31
Emin/Emax	0.13
Emin/Eav	0.24