

DATE: 10 August 2026
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA20329
PROJECT NAME: Burgess Hill Phase 1C



Proposed Private Lighting Design - R0
6m Standard Specification Columns with
Philips Luma Gen2 Micro 2700K LED Luminaires

BS5489-1:2020
Lighting Class: P4
Eav 5.00 - 7.50 Lux
Emin 1.00 Lux

Base drawing number used in this calculation 'NA1C-CLA-ZZZ-XX-
M-A-00000-Site Layout Plan'

Outdoor Lighting Report

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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	235.55	-309.11	135.00	33.00	1.50	1.50
2	Grid 2	303.99	-278.87	33.00	48.00	1.50	1.50
3	Grid 3	330.24	-218.52	124.42	60.00	1.50	1.50
4	Grid 4	398.24	-120.38	105.00	60.00	1.50	1.50
5	Grid 5	483.62	-60.72	60.00	96.00	1.50	1.50
6	Grid 6	410.20	59.59	93.00	111.00	1.50	1.50
7	Grid 7	503.38	94.88	48.00	85.33	1.50	1.50
8	Grid 8	416.74	146.05	66.00	96.00	1.50	1.50
9	Grid 9	531.94	232.73	48.00	114.00	1.50	1.50
10	Grid 10	455.61	261.42	57.00	59.80	1.50	1.50
11	Contour Grid	208.49	-309.11	323.45	583.67	1.50	2.33

Luminaires

Luminaire A Data

Supplier	
Type	BGP702 DM10 BL1
Lamp(s)	LED-HB 5.2S 727
LampFlux(klm)/Colour	3.80 2700/70
File Name	Luma Gen2 Micro_BGP702_DM10 BL1_3800_20LED_5.2S_CLO_L90_727.lgt
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	25

Luminaire B Data

Supplier	
Type	BGP702 DM10 BL1
Lamp(s)	LED-HB 5.2S 727
LampFlux(klm)/Colour	2.80 2700/70
File Name	Luma Gen2 Micro_BGP702_DM10 BL1_2800_20LED_5.2S_CLO_L90_727.lgt
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	2

Luminaire C Data

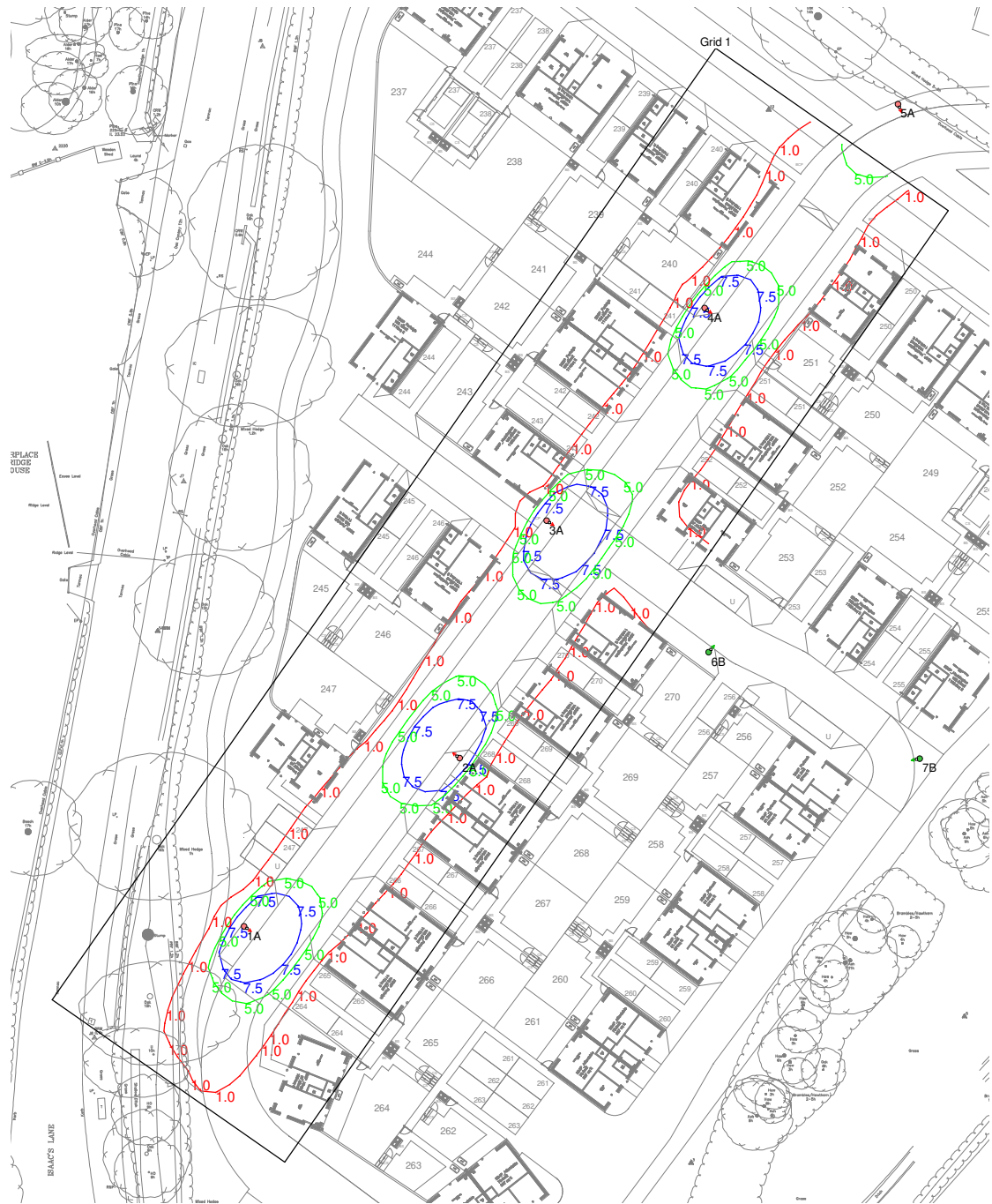
Supplier	
Type	BGP702 DW50 BL1
Lamp(s)	LED-HB 5.2S 727
LampFlux(klm)/Colour	6.00 2700/70
File Name	Luma Gen2 Micro_BGP702_DW50 BL1_6000_20LED_5.2S_CLO_L90_727.lgt
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	8

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	230.84	-281.68	6.00	323.00	0.00	0.00	0.40			
2	A	255.92	-262.10	6.00	143.00	0.00	0.00	0.40			
3	A	266.04	-234.48	6.00	326.00	0.00	0.00	0.40			
4	A	284.42	-209.74	6.00	323.00	0.00	0.00	0.40			
5	A	306.94	-186.01	6.00	293.00	0.00	0.00	0.40			
6	B	284.91	-249.76	6.00	51.00	0.00	0.00	0.40			
7	B	309.48	-262.17	6.00	191.00	0.00	0.00	0.40			
8	A	335.92	-186.69	6.00	133.00	0.00	0.00	0.40			
9	C	341.34	-153.95	6.00	339.00	0.00	0.00	0.40			
10	C	365.59	-123.89	6.00	156.00	0.00	0.00	0.40			
11	C	371.57	-87.39	6.00	331.00	0.00	0.00	0.40			
12	C	400.06	-64.39	6.00	145.00	0.00	0.00	0.40			
13	C	423.92	-34.31	6.00	143.00	0.00	0.00	0.40			
14	C	444.24	-18.21	6.00	56.00	0.00	0.00	0.40			
15	C	428.95	14.82	6.00	336.00	0.00	0.00	0.40			
16	A	470.61	-35.69	6.00	82.00	0.00	0.00	0.40			
17	A	386.65	91.01	6.00	345.00	0.00	0.00	0.40			
18	A	395.90	125.17	6.00	345.00	0.00	0.00	0.40			
19	A	413.97	148.97	6.00	255.00	0.00	0.00	0.40			
20	A	382.05	152.58	6.00	255.00	0.00	0.00	0.40			
21	A	342.47	163.28	6.00	255.00	0.00	0.00	0.40			
22	A	350.77	145.46	6.00	345.00	0.00	0.00	0.40			
23	A	345.43	116.16	6.00	346.00	0.00	0.00	0.40			
24	A	410.93	165.89	6.00	165.00	0.00	0.00	0.40			
25	A	444.12	132.10	6.00	75.00	0.00	0.00	0.40			
26	C	476.50	115.40	6.00	58.00	0.00	0.00	0.40			
27	A	461.21	154.56	6.00	164.00	0.00	0.00	0.40			
28	A	406.71	190.34	6.00	60.00	0.00	0.00	0.40			
29	A	377.42	199.51	6.00	75.00	0.00	0.00	0.40			
30	A	417.20	213.39	6.00	345.00	0.00	0.00	0.40			
31	A	475.78	179.48	6.00	149.00	0.00	0.00	0.40			
32	A	492.09	205.75	6.00	149.00	0.00	0.00	0.40			
33	A	499.64	232.53	6.00	238.00	0.00	0.00	0.40			
34	A	431.54	242.11	6.00	165.00	0.00	0.00	0.40			
35	A	408.67	253.68	6.00	272.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.56
Emin	1.28
Emax	16.81
Emin/Emax	0.08
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 2



Results

Eav	5.03
Emin	1.01
Emax	12.06
Emin/Emax	0.08
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3



Results

Eav	5.36
Emin	1.57
Emax	16.34
Emin/Emax	0.10
Emin/Eav	0.29

Horizontal Illuminance (lux)

Grid 4



Results

Eav	5.02
Emin	1.20
Emax	9.39
Emin/Emax	0.13
Emin/Eav	0.24

Horizontal Illuminance (lux)

Grid 5



Results

Eav	5.02
Emin	1.16
Emax	16.14
Emin/Emax	0.07
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 6

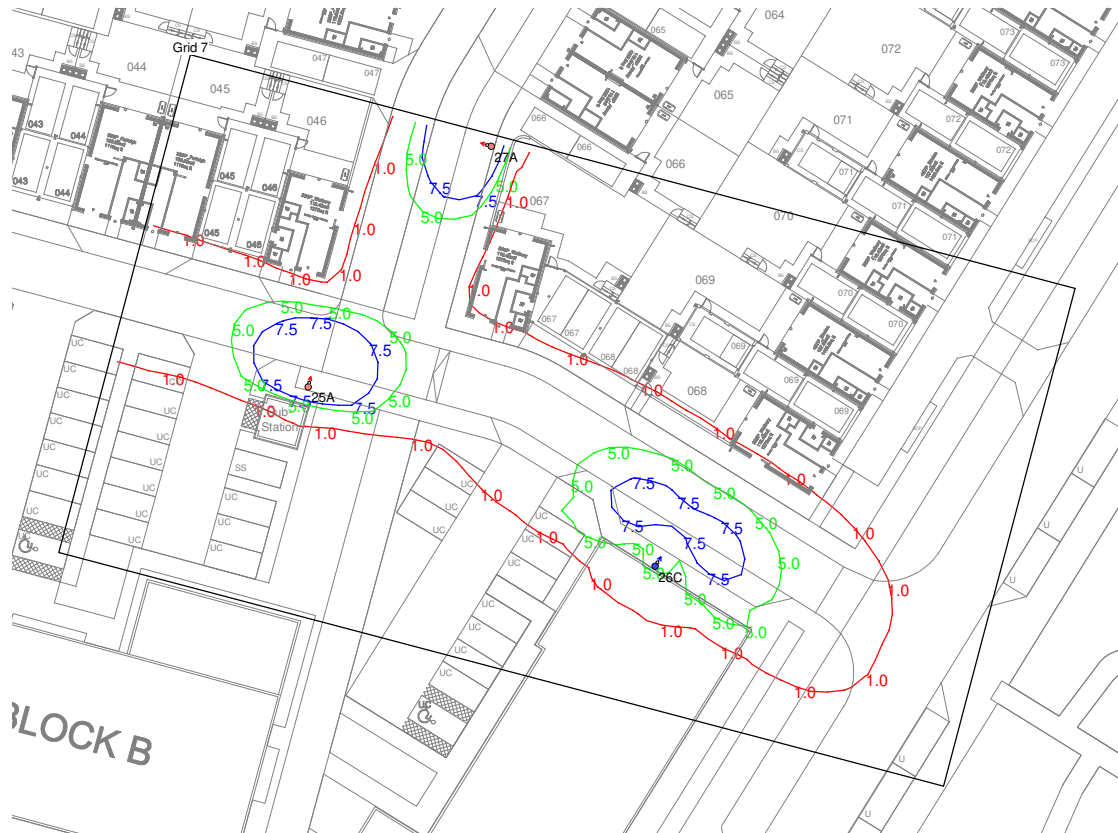


Results

Eav	5.81
Emin	1.17
Emax	16.43
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 7



Results

Eav	5.00
Emin	1.37
Emax	16.51
Emin/Emax	0.08
Emin/Eav	0.27

Horizontal Illuminance (lux)

Grid 8



Results

Eav	6.14
Emin	1.20
Emax	16.36
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 9



Results

Eav	5.54
Emin	1.08
E _{max}	16.68
E _{min} /E _{max}	0.06
E _{min} /E _{av}	0.20

Horizontal Illuminance (lux)

Grid 10



Results

Eav	6.84
Emin	1.38
Emax	16.28
Emin/Emax	0.08
Emin/Eav	0.20