

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

BSI BS EN12464-2 2014
Lighting Class: Outdoor Light Car Park
Eav 5.00 Lux
Uo 0.25 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	290.70	41.03	78.00	54.00	1.50	1.50
2	Grid 2	483.62	-60.72	109.64	48.00	1.50	1.50
3	Grid 3	427.77	58.26	36.00	51.00	1.50	1.50
4	Grid 4	464.95	87.09	48.00	27.00	1.50	1.50
5	Grid 5	435.44	94.83	48.02	48.00	1.50	1.50
6	Contour Grid	290.70	-60.74	255.68	221.08	1.50	1.50

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.idt
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	1

Luminaire B Data

Supplier	
Type	BGP702 DW50
Lamp(s)	LED-HB 5.2S 727
LampFlux(klm)/Colour	5.00 2700/70
File Name	Luma Gen2 Micro_BGP702_DW50_5000_20LED_5.2S_CLO_L90_727.idt
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	8

Luminaire E 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.idt
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	4

Luminaire F 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.idt
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	368.33	64.07	6.00	167.00	0.00	0.00	0.40			
2	B	314.96	55.66	6.00	257.00	0.00	0.00	0.40			
3	B	345.50	38.10	6.00	78.00	0.00	0.00	0.40			
4	E	386.65	91.01	6.00	345.00	0.00	0.00	0.40			
5	B	414.29	84.49	6.00	246.00	0.00	0.00	0.40			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
6	B	449.70	107.90	6.00	329.00	0.00	0.00	0.40			
7	F	476.50	115.40	6.00	58.00	0.00	0.00	0.40			
8	E	444.12	132.10	6.00	75.00	0.00	0.00	0.40			
9	B	437.16	123.17	6.00	165.00	0.00	0.00	0.40			
10	B	413.17	129.66	6.00	345.00	0.00	0.00	0.40			
11	E	470.61	-35.69	6.00	82.00	0.00	0.00	0.40			
12	B	491.74	-16.66	6.00	141.00	0.00	0.00	0.40			
13	B	507.55	14.12	6.00	320.00	0.00	0.00	0.40			
14	E	413.97	148.97	6.00	255.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.65
Emin	1.43
Emax	16.35
Emin/Emax	0.09
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 2

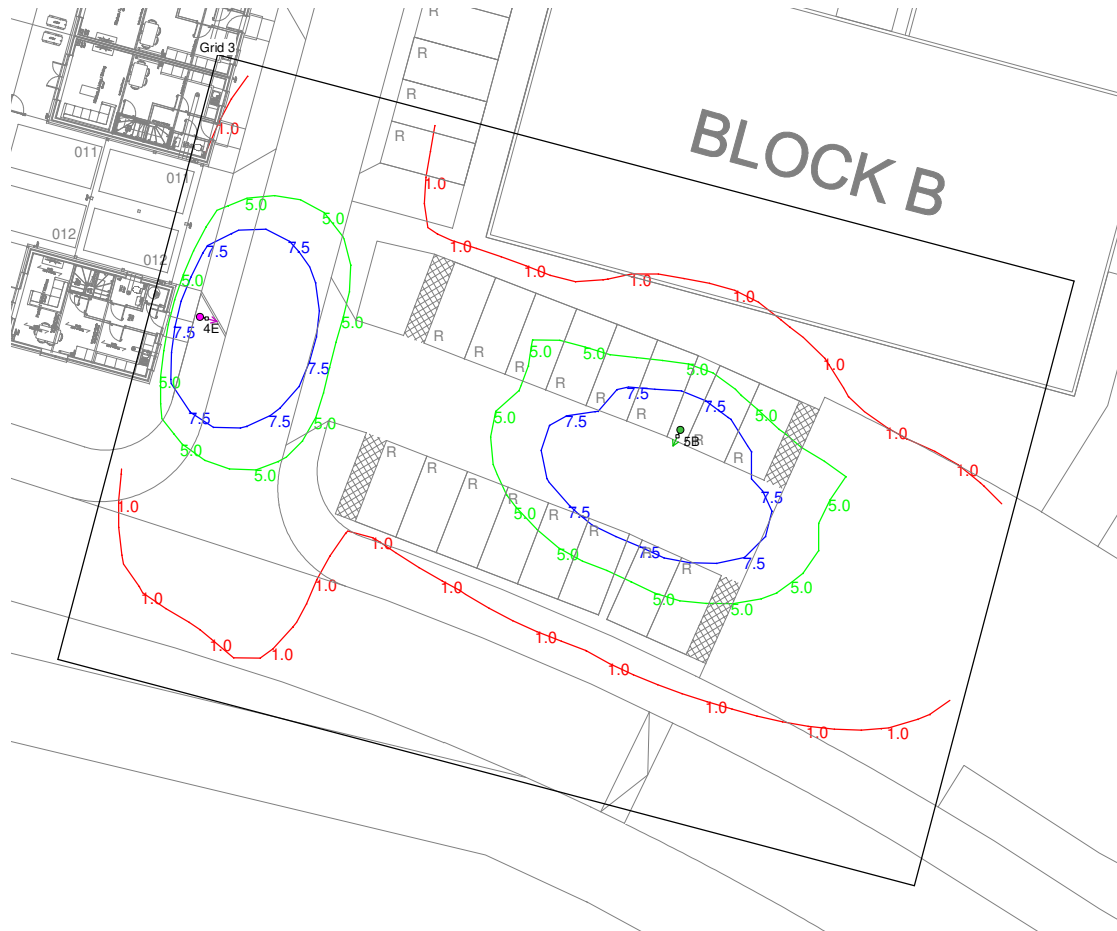


Results

Eav	5.13
Emin	1.27
Emax	10.62
Emin/Emax	0.12
Emin/Eav	0.25

Horizontal Illuminance (lux)

Grid 3

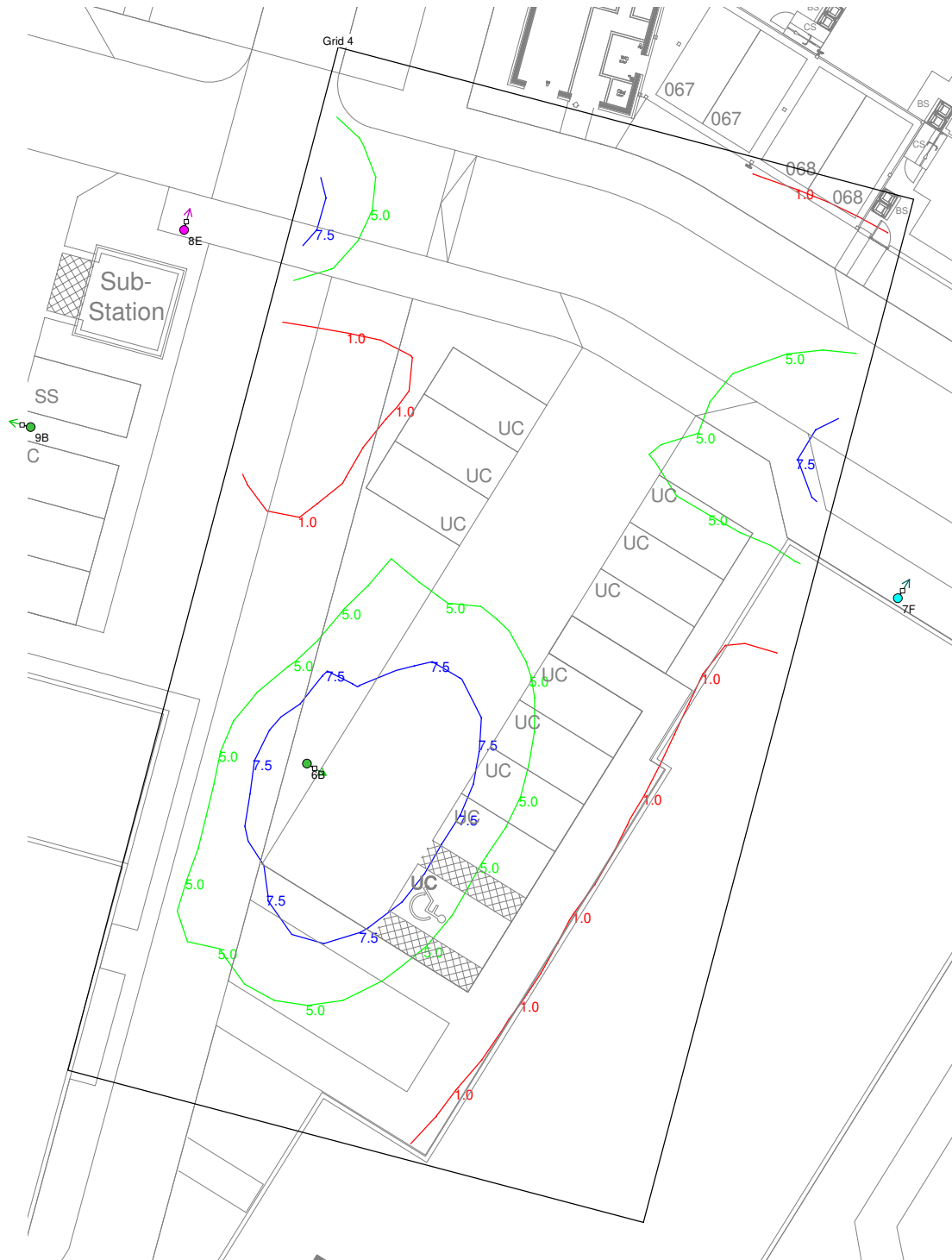


Results

Eav	5.37
Emin	1.36
Emax	10.55
Emin/Emax	0.13
Emin/Eav	0.25

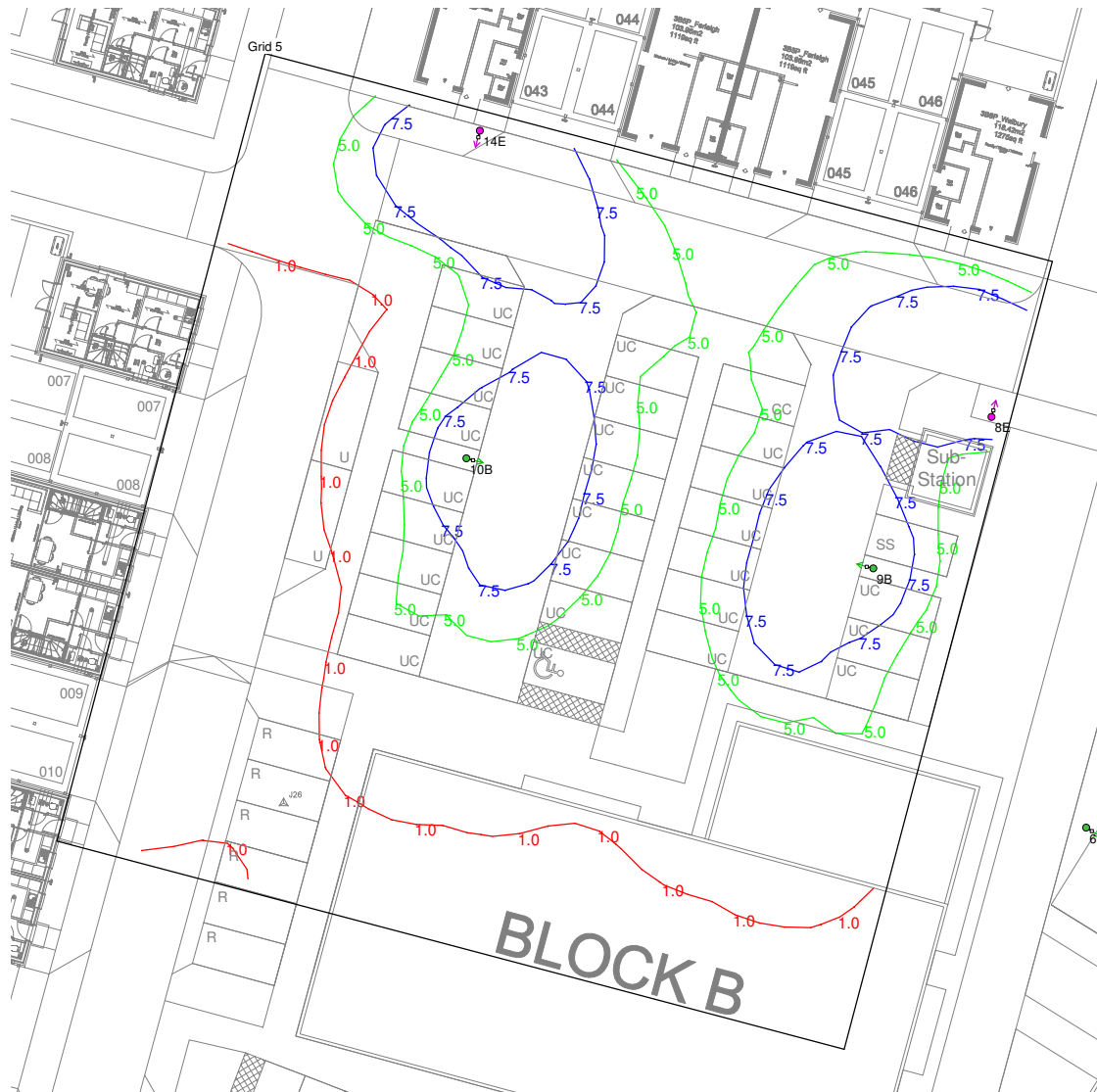
Horizontal Illuminance (lux)

Grid 4



Horizontal Illuminance (lux)

Grid 5



Results

Eav	6.67
Emin	2.41
E _{max}	14.12
Emin/E _{max}	0.17
Emin/Eav	0.36