

DATE: 10 October 2024
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA17011
PROJECT NAME: South Downs College (Car Park 6) Private



South Downs College (Car Park 6) Private - Area Calculation - R2

6m lighting columns with post top mounted Philips Luma BL1
9.50klm 3k Warm White LED Luminaires with integrated rear
louvres.

Standard - BS EN 12464: 2014 Table 5.9.2
Class - Medium Use Car Park

Minimum Results Required:
Eave - 10.00 Lux
Uo - 0.25

Outdoor Lighting Report

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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 468916.9m x 107241.5m
Area 119.7m x 99.1m
Sample Spacing 1.50m x 1.50m

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP703 DX10 BL1
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	9.50
File Name	Luma Gen2 Mini_BGP703_DX10 BL1_9500 40LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	6

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
6	A	468994.74	107303.99	6.00	261.00	0.00	0.00	0.40			
5	A	468969.78	107308.24	6.00	260.00	0.00	0.00	0.40			
4	A	468945.57	107308.64	6.00	350.00	0.00	0.00	0.40			
1	A	468945.06	107282.09	6.00	81.00	0.00	0.00	0.40			
2	A	468969.07	107277.83	6.00	81.00	0.00	0.00	0.40			
3	A	468995.06	107273.26	6.00	81.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

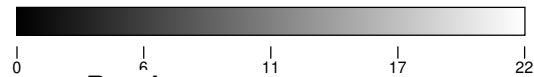
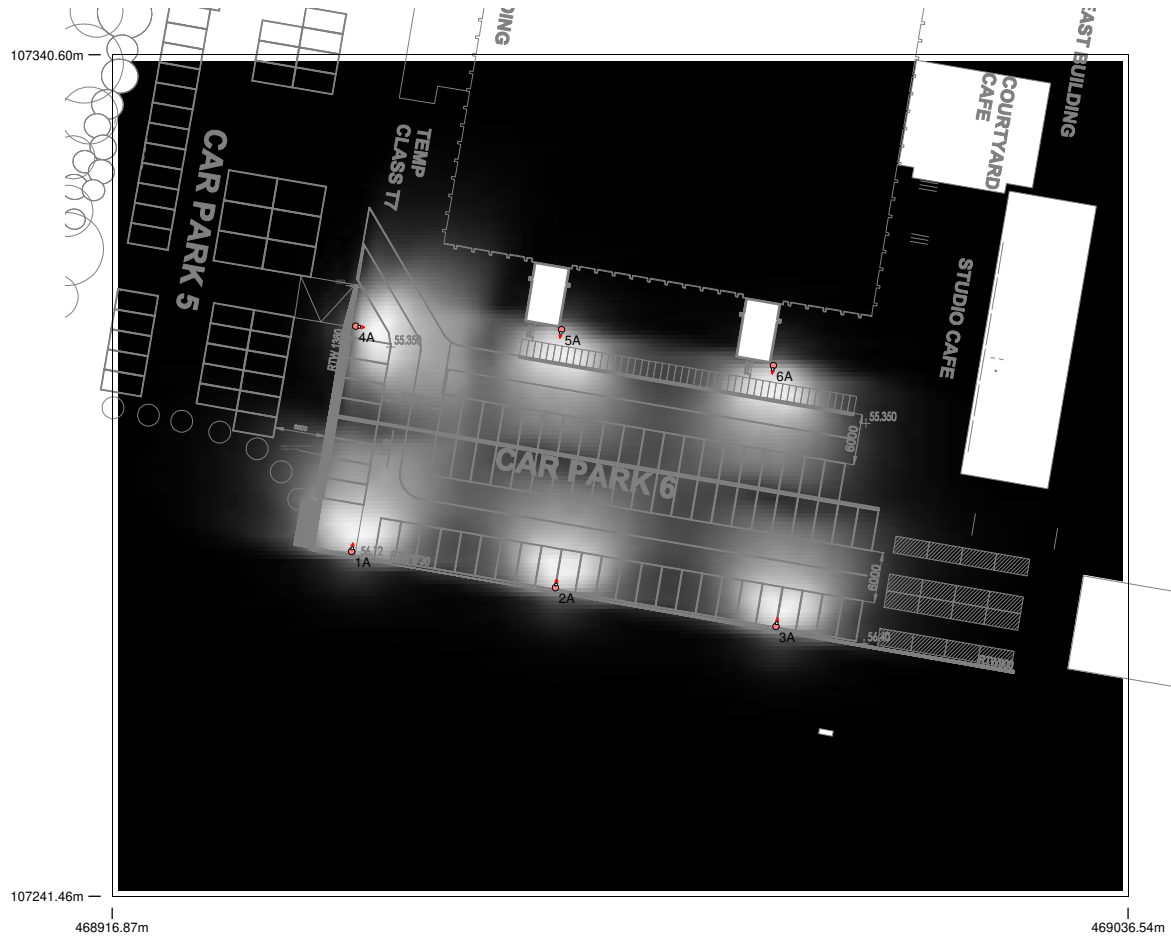


Results

Eav	10.70
Emin	3.63
Emax	21.70
Emin/Emax	0.17
Emin/Eav	0.34

Horizontal Illuminance (lux)

Grid 1



Results

Eav	10.70
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