

DATE: 2 November 2020
DESIGNER: James Duffin
PROJECT No: SSE279385-AC-001-B
PROJECT NAME: Havant Rugby Club Footpath



Havant Rugby Club Footpath
Lighting Class - P4
Lantern - Luma Gen2 Micro (BGP702) [5.2S]
Colour Temperature - 3000K
SP Ratio - 1.61
Maintenance Factor - 0.85
WARM WHITE DUE TO BATS

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 - Proposed Footpath...	470709.31	106813.61	75.00	45.00	1.00	1.00
2	Grid 2 - Existing Car Park...	470766.00	106818.88	60.00	48.00	1.50	1.50

Luminaires

Luminaire A Data

Supplier	Philips
Type	BGP702 DN09 BL2
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	1.20
File Name	Luma Gen2 Micro_BGP702_DN09 BL2_1200_6LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	803.0, 41.7, 0.0
Lamp S/P Ratio	1.30
No. in Project	3

Luminaire F Data

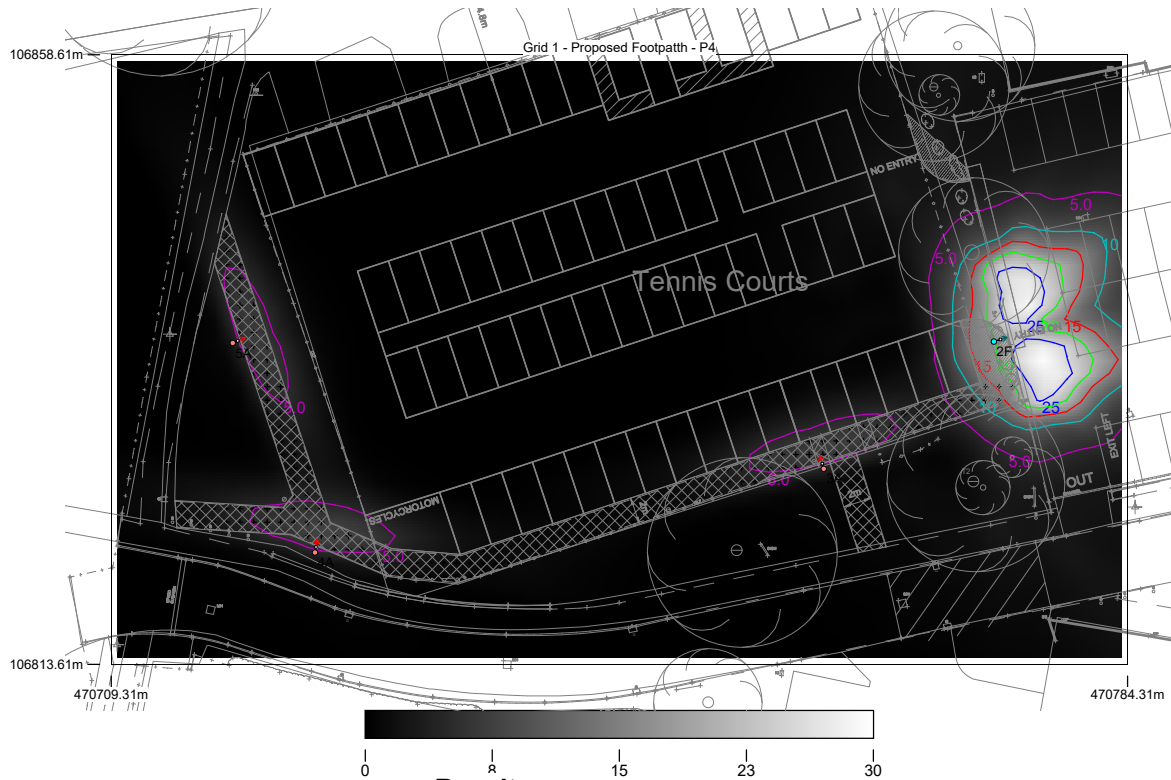
Supplier	South Coast PFI
Type	2680 XNN E#
Lamp(s)	1MT 90W 10450 PGZ12
Lamp Flux (klm)	10.45
File Name	Arc 2680 XNN E# 1MT 90W 10450 PGZ12.LDT
Maintenance Factor	0.79
Imax70,80,90(cd/klm)	424.7, 84.4, 9.8
Lamp S/P Ratio	0.00
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	F	470815.83	106848.64	8.00	191.00	5.00	0.00	1.50			
2	F	470774.44	106837.45	8.00	18.00	5.00	0.00	0.50			
3	A	470761.88	106828.05	6.00	106.00	0.00	0.00	0.40			
4	A	470724.35	106821.88	6.00	81.00	0.00	0.00	0.40			
5	A	470718.28	106837.34	6.00	22.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1 - Proposed Footpath - P4

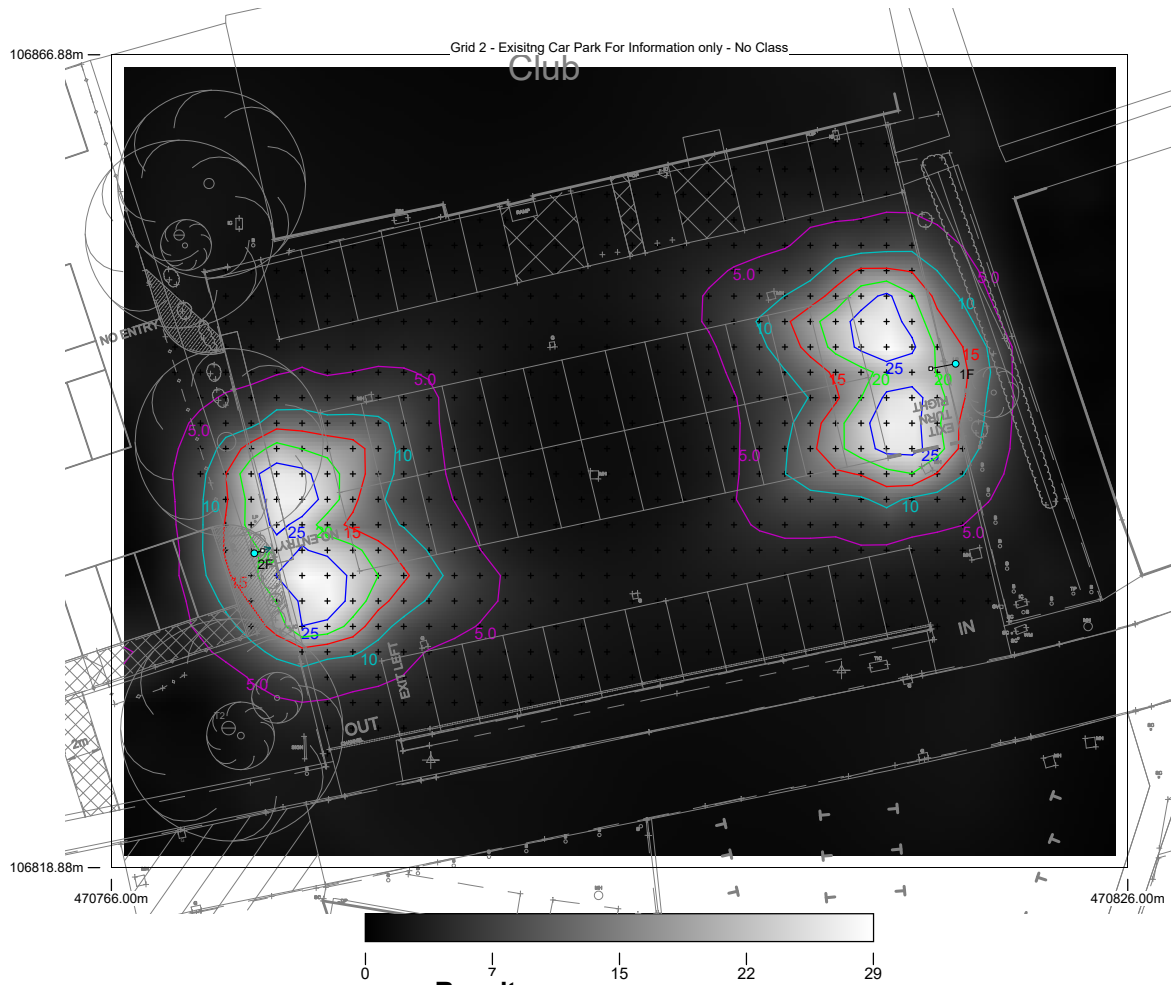


Results

Eav	4.25
Emin	0.84
Emax	18.95
Emin/Emax	0.04
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 2 - Existing Car Park For Information only - No Class



Results

Eav	6.78
Emin	1.47
Emax	29.35
Emin/Emax	0.05
Emin/Eav	0.22