

DATE: 6 August 2020
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA15553
PROJECT NAME: North End Road, Yapton



North End Road, Yapton S38 - Area Calc
Lantern - Philips Micro Luma 1.20klm CW LED
Column - 6m lighting column.
Maintenance Factor = 0.83
Lighting Class - P5 with SP Ratio of 1.96
Required Results
Eave = 1.82 - 2.73 Lux
Emin = 0.40

Outdoor Lighting Report

PREPARED BY: MMA Lighting Consultancy Ltd
99 Old Bath Road
Summer Field House
Charvil
Reading
Berkshire
RG10 9QN



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	497741.12	104032.85	93.00	108.00	1.50	1.50
2	Grid 2	497745.44	103973.85	70.45	63.00	1.50	1.50
3	Grid 3	497813.90	103931.49	93.00	87.00	1.50	1.50

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP615_DW10_1200_6LED_5.1S_CLO_L 90_CW
Lamp(s)	LED-HB 5.1S CW
Lamp Flux (klm)	1.20
File Name	Luma Micro_BGP615_DW10_1200_6LED_ 5.1S_CLO_L90_CW.ies
Maintenance Factor	0.83
Lum. Int. Class	G4
Lamp S/P Ratio	1.96
No. in Project	12

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	A	497804.56	104113.89	6.00	153.00	0.00	0.00	0.40			
2	A	497788.10	104089.41	6.00	144.00	0.00	0.00	0.40			
3	A	497772.66	104066.47	6.00	152.00	0.00	0.00	0.40			
4	A	497776.21	104054.46	6.00	248.00	0.00	0.00	0.40			
5	A	497779.41	104026.19	6.00	151.00	0.00	0.00	0.40			
6	A	497765.18	104001.76	6.00	59.00	0.00	0.00	0.40			
7	A	497795.67	103998.25	6.00	255.00	0.00	0.00	0.40			
8	A	497825.60	103978.03	6.00	58.00	0.00	0.00	0.40			
9	A	497855.54	103960.29	6.00	58.00	0.00	0.00	0.40			
10	A	497876.72	103946.76	6.00	149.00	0.00	0.00	0.40			
11	A	497883.01	103971.62	6.00	329.00	0.00	0.00	0.40			
12	A	497829.19	103999.54	6.00	330.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

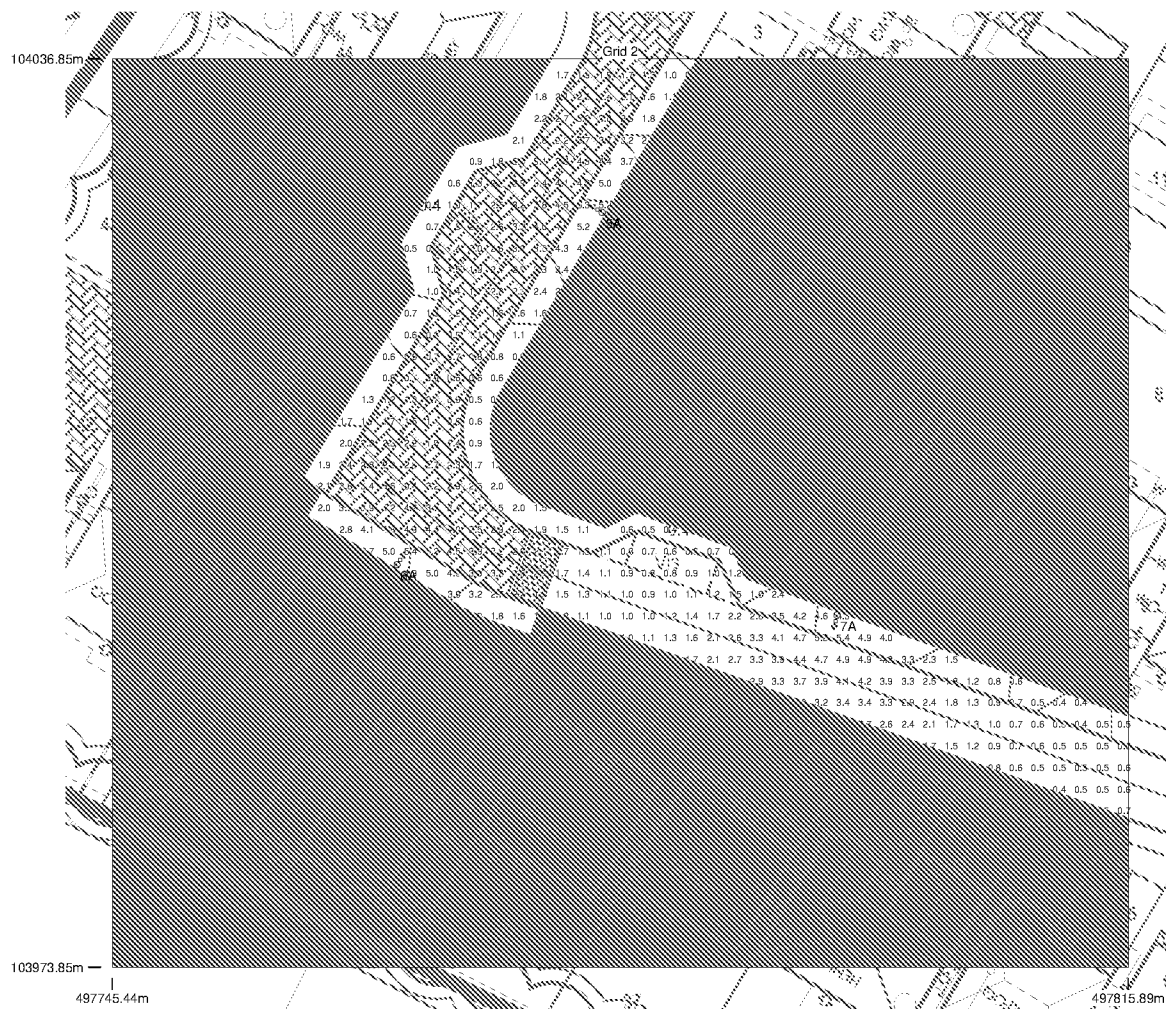


Results

Eav	2.43
Emin	0.40
Emax	5.44
Emin/Emax	0.07
Emin/Eav	0.16

Horizontal Illuminance (lux)

Grid 2

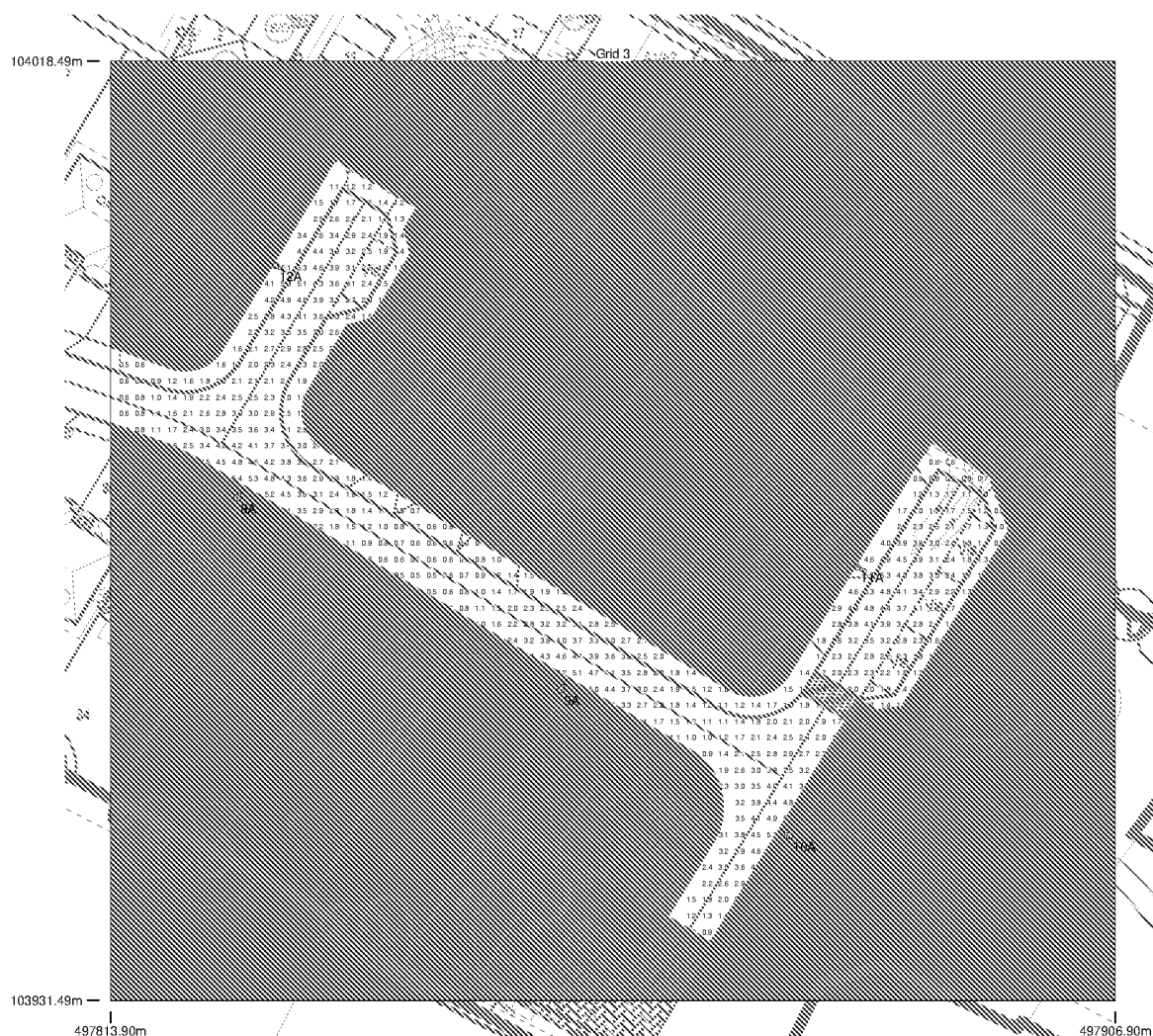


Results

Eav	2.14
Emin	0.41
Emax	5.44
Emin/Emax	0.08
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 3



Results

Eav	2.37
Emin	0.47
Emax	5.37
Emin/Emax	0.09
Emin/Eav	0.20