

DATE: 23 March 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

Email: info@mma-consultancy.co.uk
Web: www.mma-consultancy.co.uk

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

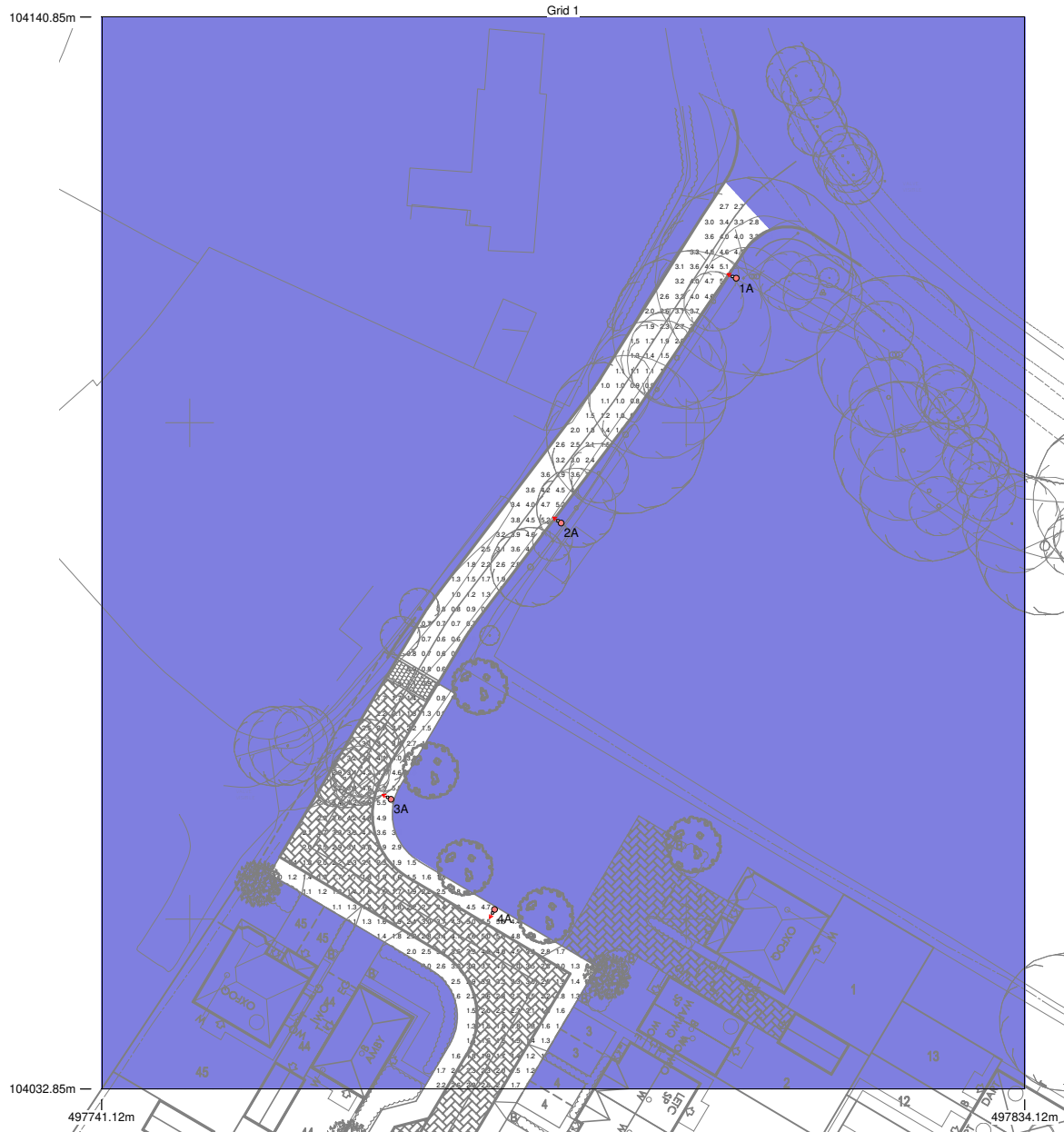
Supplier	Philips
Type	BGP615_DW10_1200_6LED_5.1S_CLO_L90_CW
Lamp(s)	LED-HB 5.1S CW
Lamp Flux (klm)	1.20
File Name	Luma Micro_BGP615_DW10_1200_6LED_5.1S_CLO_L90_CW.ies
Maintenance Factor	0.83
Lum. Int. Class	G4
Lamp S/P Ratio	1.96
No. in Project	12

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	497805.02	104114.53	6.00	153.00	0.00	0.00	0.40			
2	A	497787.39	104089.89	6.00	144.00	0.00	0.00	0.40			
3	A	497770.27	104062.07	6.00	152.00	0.00	0.00	0.40			
4	A	497780.68	104050.95	6.00	242.00	0.00	0.00	0.40			
5	A	497779.40	104026.21	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	497882.69	103971.05	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

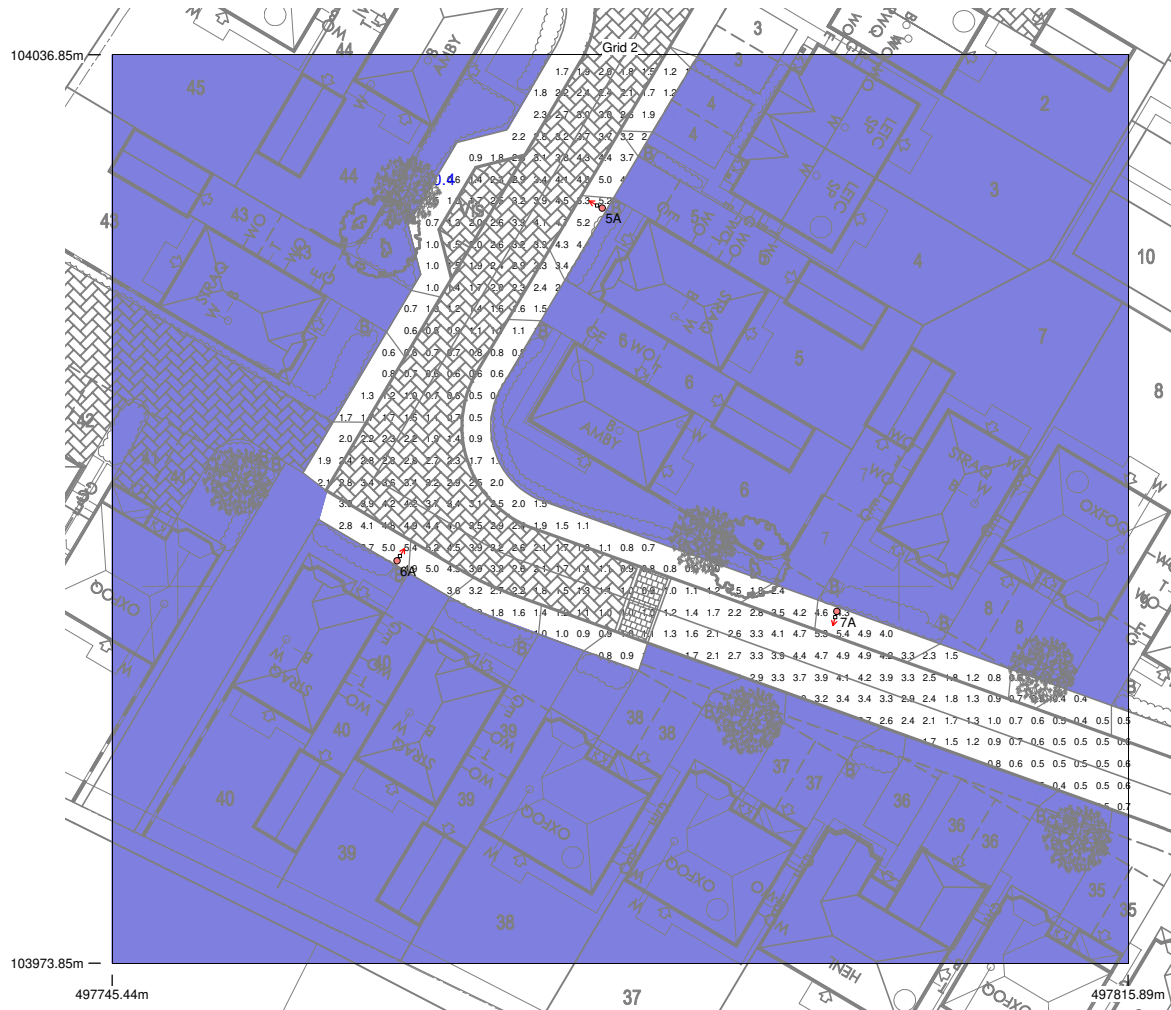


Results

Eav	2.51
Emin	0.55
Emax	5.49
Emin/Emax	0.10
Emin/Eav	0.22

Horizontal Illuminance (lux)

Grid 2

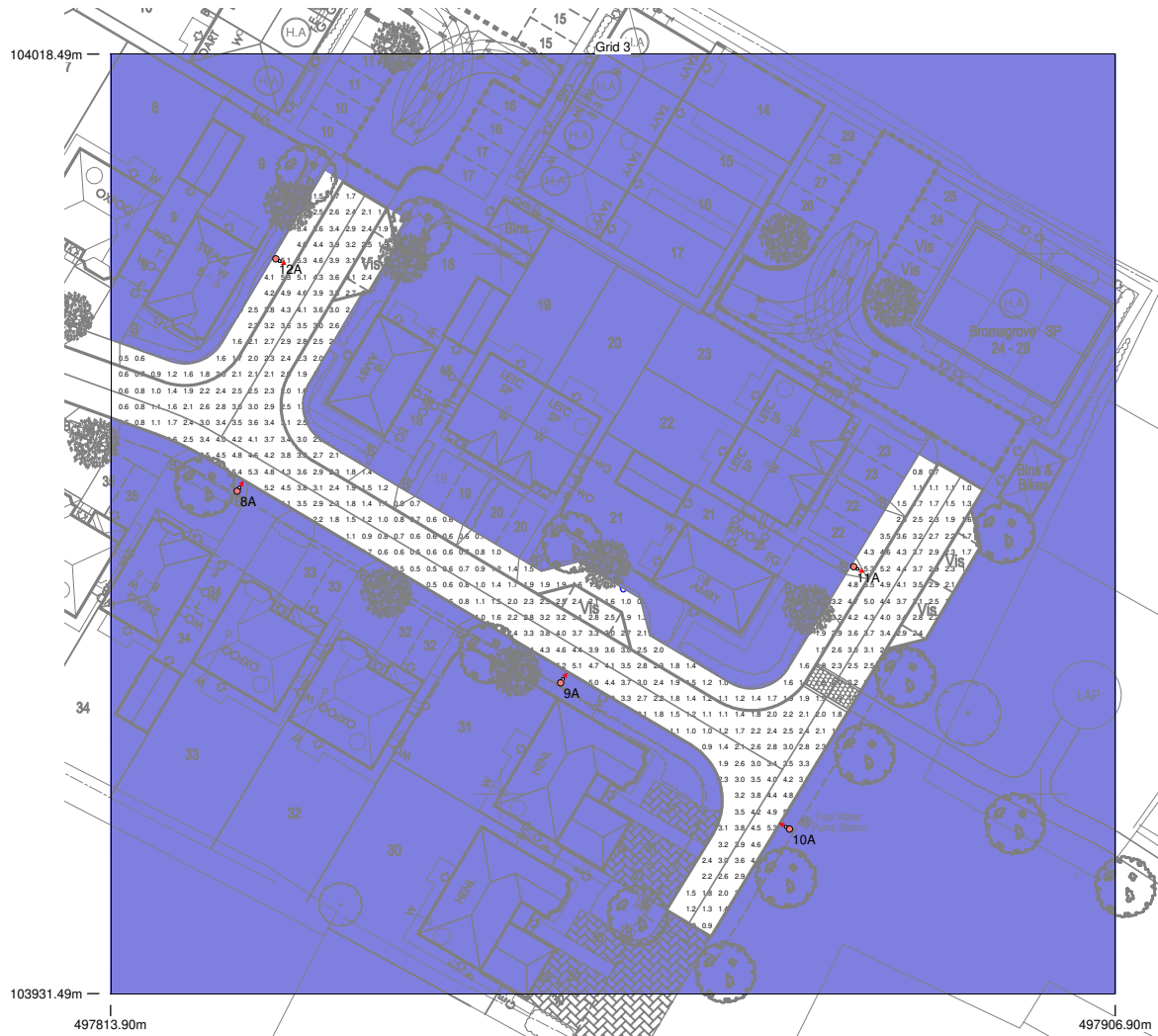


Results

Eav	2.16
Emin	0.42
Emax	5.44
Emin/Emax	0.08
Emin/Eav	0.19

Horizontal Illuminance (lux)

Grid 3



Results

Eav	2.47
Emin	0.47
Emax	5.45
Emin/Emax	0.09
Emin/Eav	0.19