

DATE: 8 April 2025

DESIGNER: Lucien McQueen

PROJECT No: HM080425-1

PROJECT NAME: Wilmington, Angmering, West Sussex, BN16 4ET



Outdoor Lighting Report

DISCLAIMER:

The information contained in this lighting plan is provided solely for guidance only. Gemma Lighting recommends that, where LUX levels are business critical, a comprehensive lighting plan is completed by a qualified lighting designer or architect.

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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	Siteplan	0.00	0.00	297.77	217.97	1.50	1.49
2	Access Road	105.26	70.38	107.72	56.03	1.50	1.47
3	Gatehouse	202.09	94.65	36.18	21.02	1.45	1.40
4	Plots 1 - 3	137.04	47.76	56.51	22.73	1.49	1.42
5	Plots 5 - 7	105.12	85.82	30.39	39.74	1.45	1.47

Luminaire

Luminaire A Data

Supplier	
Type	Nelson 10W
Lamp(s)	NB10-A1X-00B
LampFlux(klm)/Colour	0.86 2700K/Ra80
File Name	Nelson 10W - 2.7K.ltd
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	118.7, 282.3, 298.4
No. in Project	7

Luminaire B Data

Supplier	
Type	Portchester 15W Hood
Lamp(s)	PH15-A3X-00B
LampFlux(klm)/Colour	1.21 2700K/Ra80
File Name	Portchester 15W - Hood - 2.7K.ltd
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	186.2, 122.9, 0.0
No. in Project	20

Layout

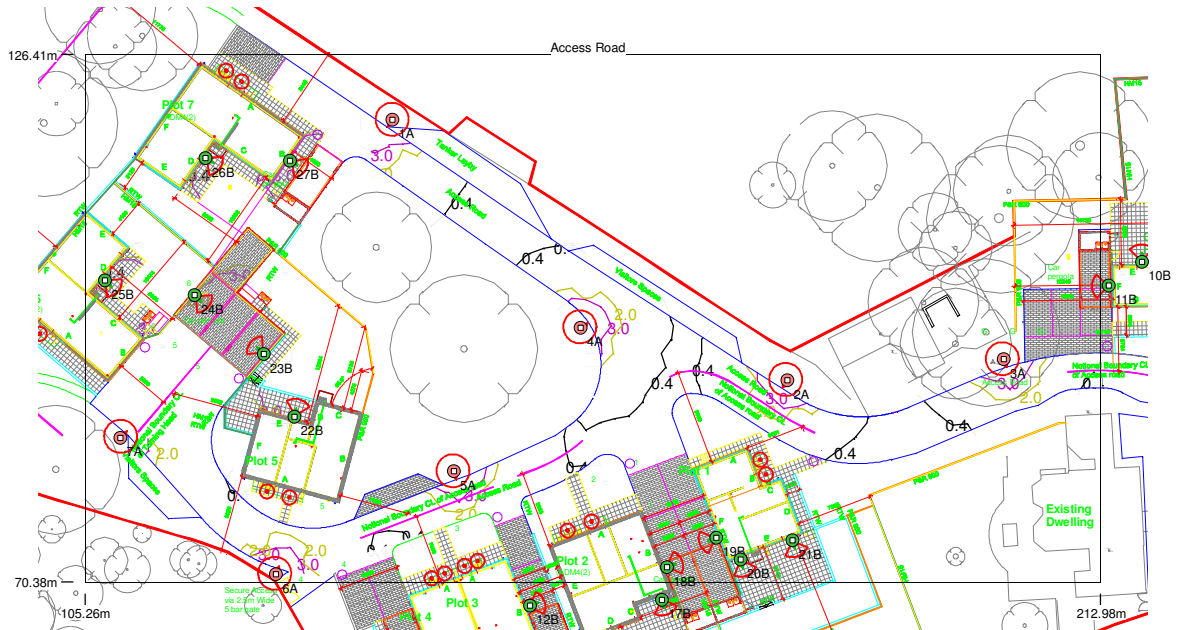
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	137.86	119.52	1.00	237.00	0.00	0.00	0.00			
2	A	179.72	91.85	1.00	236.00	0.00	0.00	0.00			
3	A	202.64	94.13	1.00	290.00	0.00	0.00	0.00			
4	A	157.80	97.39	1.00	35.00	0.00	0.00	0.00			
5	A	144.39	82.24	1.00	282.00	0.00	0.00	0.00			
6	A	125.47	71.28	1.00	68.00	0.00	0.00	0.00			
7	A	109.01	85.77	1.00	45.00	0.00	0.00	0.00			
8	B	226.01	105.16	1.85	0.00	90.00	0.00	0.00			
9	B	219.62	109.14	1.85	92.00	90.00	0.00	0.00			
10	B	217.35	104.41	1.85	91.00	90.00	0.00	0.00			
11	B	213.81	101.90	1.85	179.00	90.00	0.00	0.00			
12	B	152.44	67.96	1.85	19.00	90.00	0.00	0.00			
13	B	153.34	61.79	1.85	289.00	90.00	0.00	0.00			
14	B	144.53	58.47	1.85	290.00	90.00	0.00	0.00			
15	B	141.40	63.50	1.85	202.00	90.00	0.00	0.00			
16	B	159.27	64.20	1.85	288.00	90.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
17	B	166.43	68.58	1.85	290.00	90.00	0.00	0.00			
18	B	166.98	72.02	1.85	21.00	90.00	0.00	0.00			
19	B	172.16	75.14	1.85	202.00	90.00	0.00	0.00			
20	B	174.77	72.82	1.85	287.00	90.00	0.00	0.00			
21	B	180.24	74.91	1.85	289.00	90.00	0.00	0.00			
22	B	127.47	87.96	1.85	78.00	90.00	0.00	0.00			
23	B	124.18	94.67	1.85	135.00	90.00	0.00	0.00			
24	B	116.86	100.86	1.85	314.00	90.00	0.00	0.00			
25	B	107.36	102.47	1.85	317.00	90.00	0.00	0.00			
26	B	118.04	115.41	1.85	329.00	90.00	0.00	0.00			
27	B	126.95	115.14	1.85	327.00	90.00	0.00	0.00			

Horizontal Illuminance (lux)

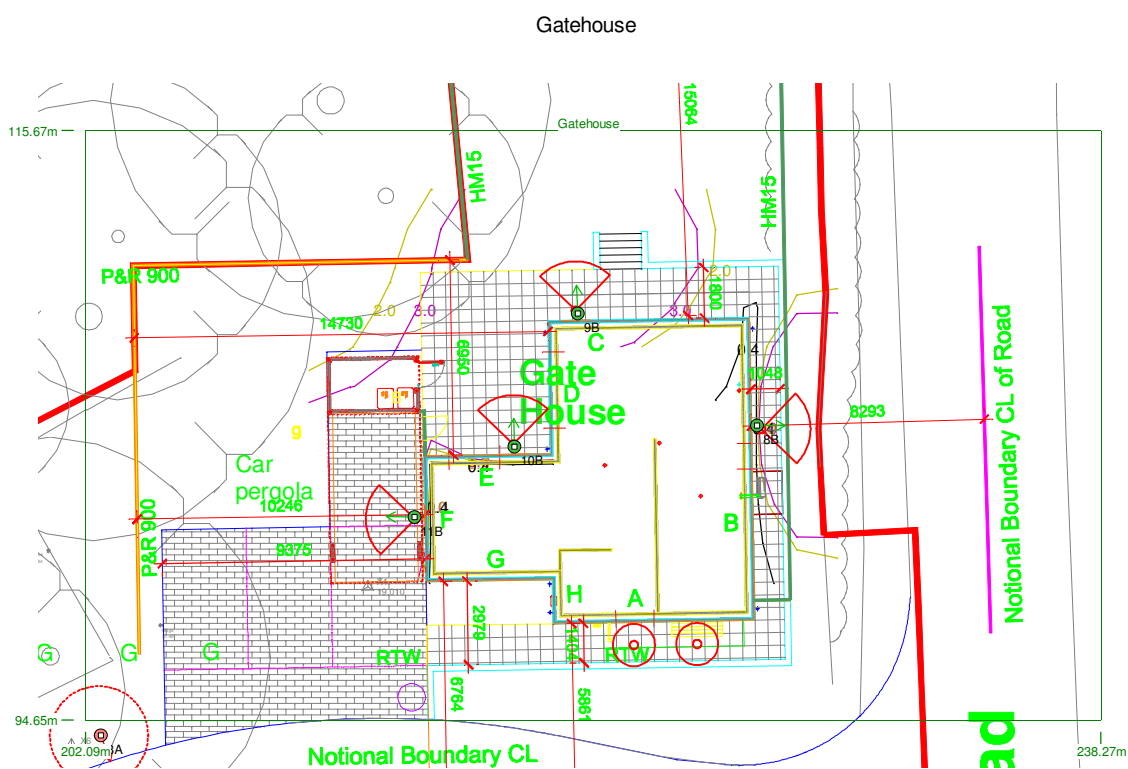
Access Road



Results

Eav	3.36
Emin	0.12
Emax	42.87
Emin/Emax	0.00
Emin/Eav	0.03

Horizontal Illuminance (lux)

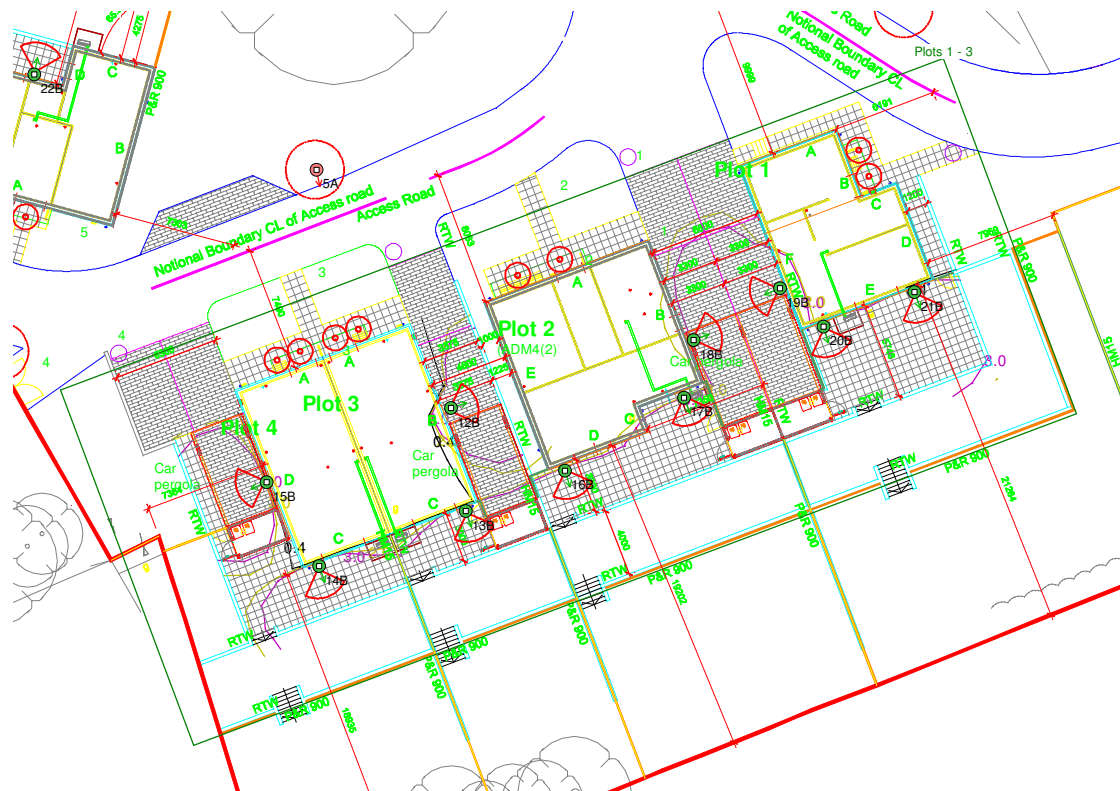


Results

Eav	10.12
Emin	0.02
E _{max}	49.57
Emin/E _{max}	0.00
Emin/Eav	0.00

Horizontal Illuminance (lux)

Plots 1 - 3

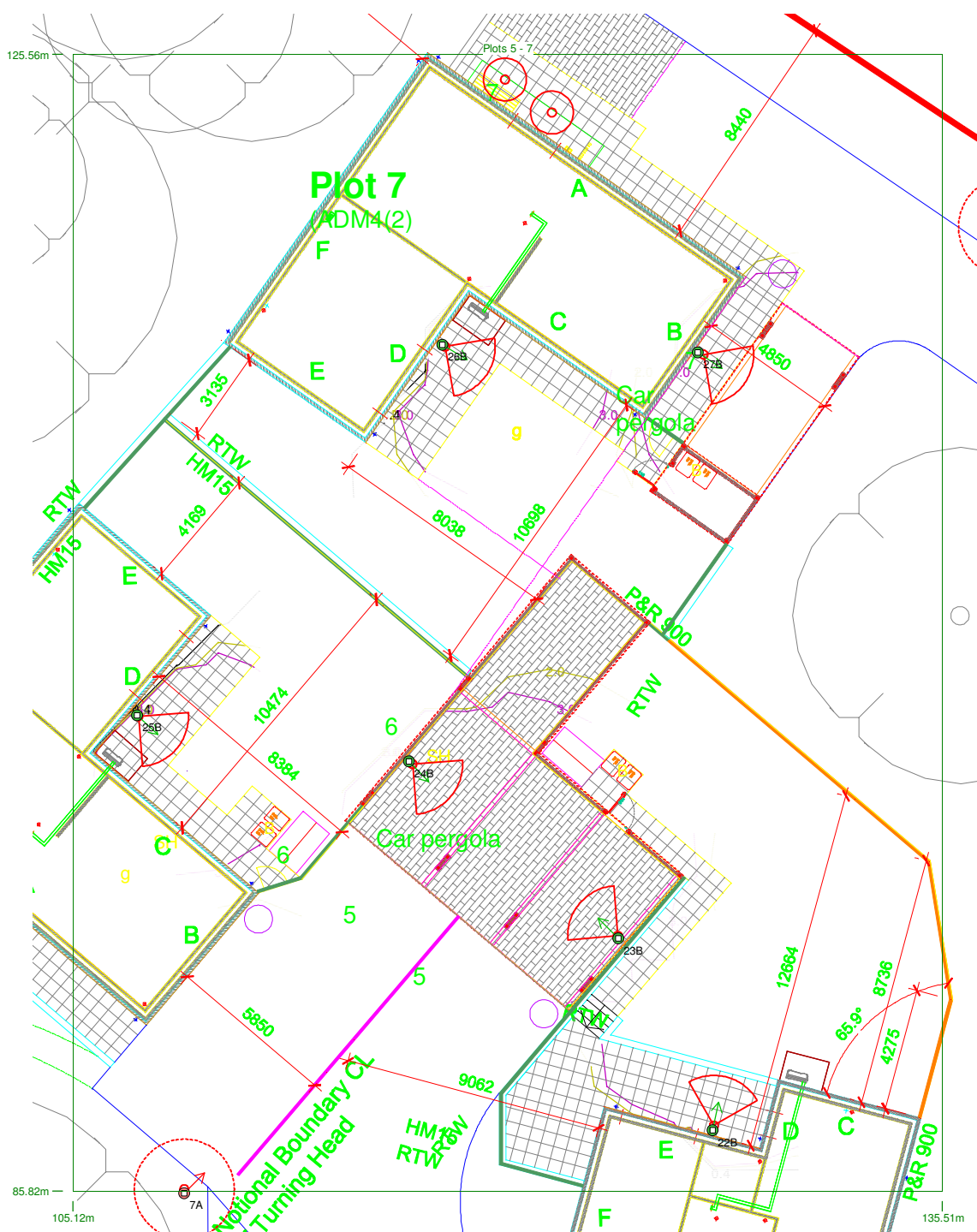


Results

Eav	12.37
Emin	0.09
E _{max}	50.66
E _{min} /E _{max}	0.00
E _{min} /E _{av}	0.01

Horizontal Illuminance (lux)

Plots 5 - 7



Results

Eav	13.25
Emin	0.13
Emax	50.05
Emin/Emax	0.00
Emin/Eav	0.01