

DATE: 20 May 2025
DESIGNER: Lucien McQueen
PROJECT No: HM060324-2 Rev 3
PROJECT NAME: Holiday Inn - Gatwick



Outdoor Lighting Report

DISCLAIMER:

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

Liability claims regarding damage caused by the use of any information provided, including any kind of information which is incomplete or incorrect, will therefore be rejected.

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	Car Parking Bays	122.92	95.75	143.67	160.07	1.67	1.50
2	Access Roadway	221.93	178.02	37.90	70.07	1.46	1.49

Luminaires

Luminaire A Data

Supplier	
Type	CQ30W-1 + FGS
Lamp(s)	CQ30-A5N-00G-1 with FIX0405 Front Glare Shield
LampFlux(klm)/Colour	3.57 Ra70/4000K
File Name	CQ30-A5N-00G-1 with FIX0405 Front Glare Shield.Idt
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	640.7, 94.3, 0.0
No. in Project	6

Luminaire B Data

Supplier	
Type	Conquest 30W-2 +RGS
Lamp(s)	CQ30-A5N-00G-2 with FIX0406 Rear Glare Shield
LampFlux(klm)/Colour	3.57 4000K/Ra70
File Name	CQ30-A5N-00G-2 with FIX0406 Rear Glare Shield.Idt
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	475.8, 43.1, 10.9
No. in Project	10

Luminaire C Data

Supplier	
Type	Conquest 30W-3 +FGS
Lamp(s)	CQ30-A5N-00G-3 with FIX0405 Front Glare Shield
LampFlux(klm)/Colour	3.57 4000K/Ra70
File Name	CQ30-A5N-00G-3 with FIX0405 Front Glare Shield.Idt
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	670.2, 120.2, 15.0
No. in Project	2

Layout

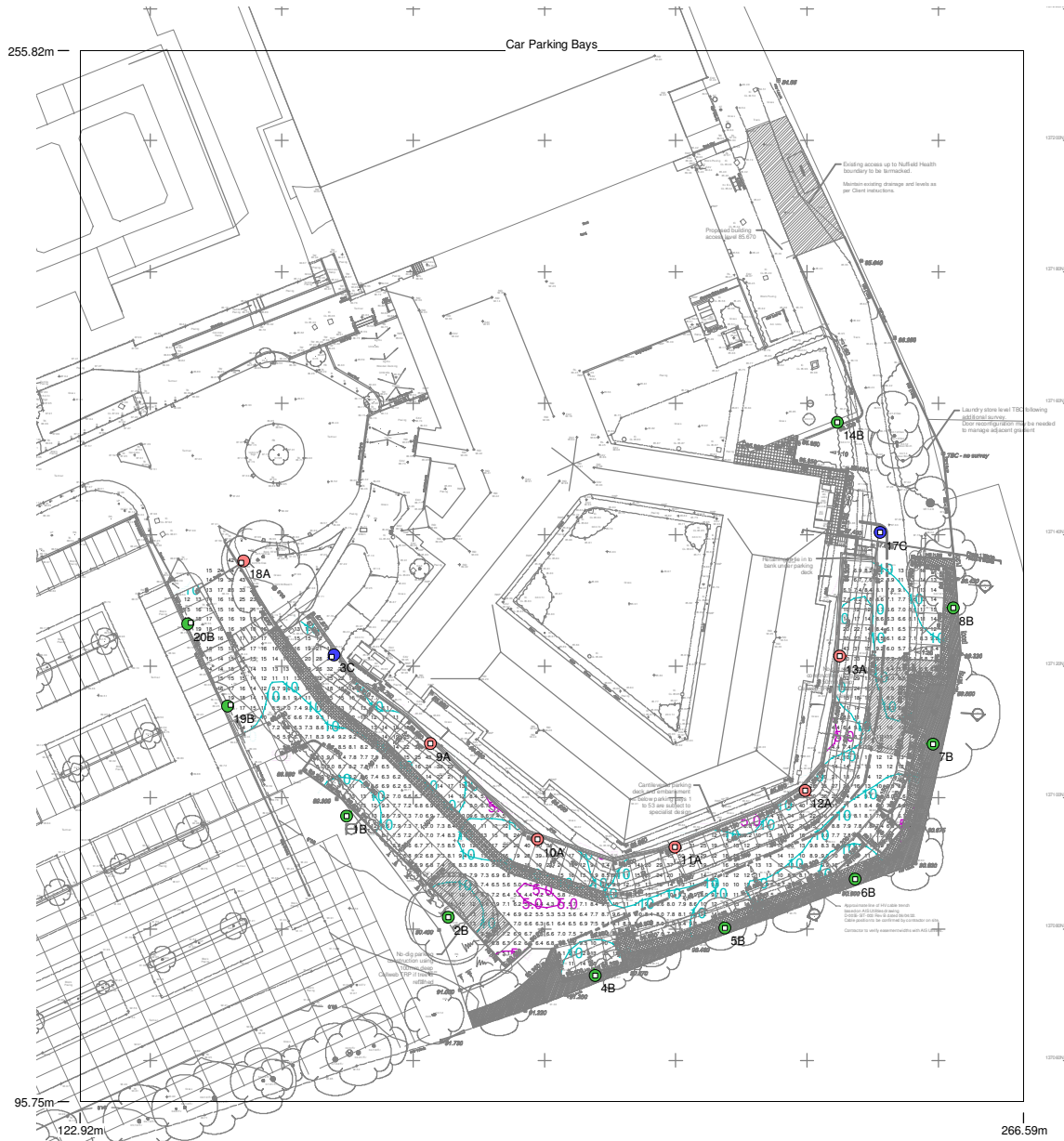
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	163.49	139.35	5.00	45.00	0.00	0.00	0.00			
2	B	178.95	123.90	5.00	45.00	0.00	0.00	0.00			
3	C	161.57	163.88	5.00	218.00	5.00	0.00	0.50			
4	B	201.30	115.03	5.00	97.00	0.00	0.00	0.00			
5	B	221.09	122.28	5.00	111.00	0.00	0.00	0.00			
6	B	240.90	129.76	5.00	120.00	0.00	0.00	0.00			
7	B	252.71	150.26	5.00	175.00	0.00	0.00	0.00			
8	B	255.84	171.02	5.00	177.00	0.00	0.00	0.00			
9	A	176.25	150.36	5.00	228.00	0.00	0.00	0.00			

Layout Continued

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
10	A	192.52	135.77	5.00	250.00	0.00	0.00	0.00			
11	A	213.44	134.64	5.00	288.00	0.00	0.00	0.00			
12	A	233.28	143.23	5.00	312.00	0.00	0.00	0.00			
13	A	238.49	163.69	5.00	0.00	0.00	0.00	0.00			
14	B	238.16	199.27	5.00	307.00	0.00	0.00	0.00			
17	C	244.64	182.47	5.00	32.00	0.00	0.00	0.00			
18	A	147.85	178.12	5.00	213.00	5.00	0.00	0.50			
19	B	145.35	156.02	5.00	22.00	5.00	0.00	0.50			
20	B	139.27	168.55	5.00	19.00	5.00	0.00	0.50			

Horizontal Illuminance (lux)

Car Parking Bays

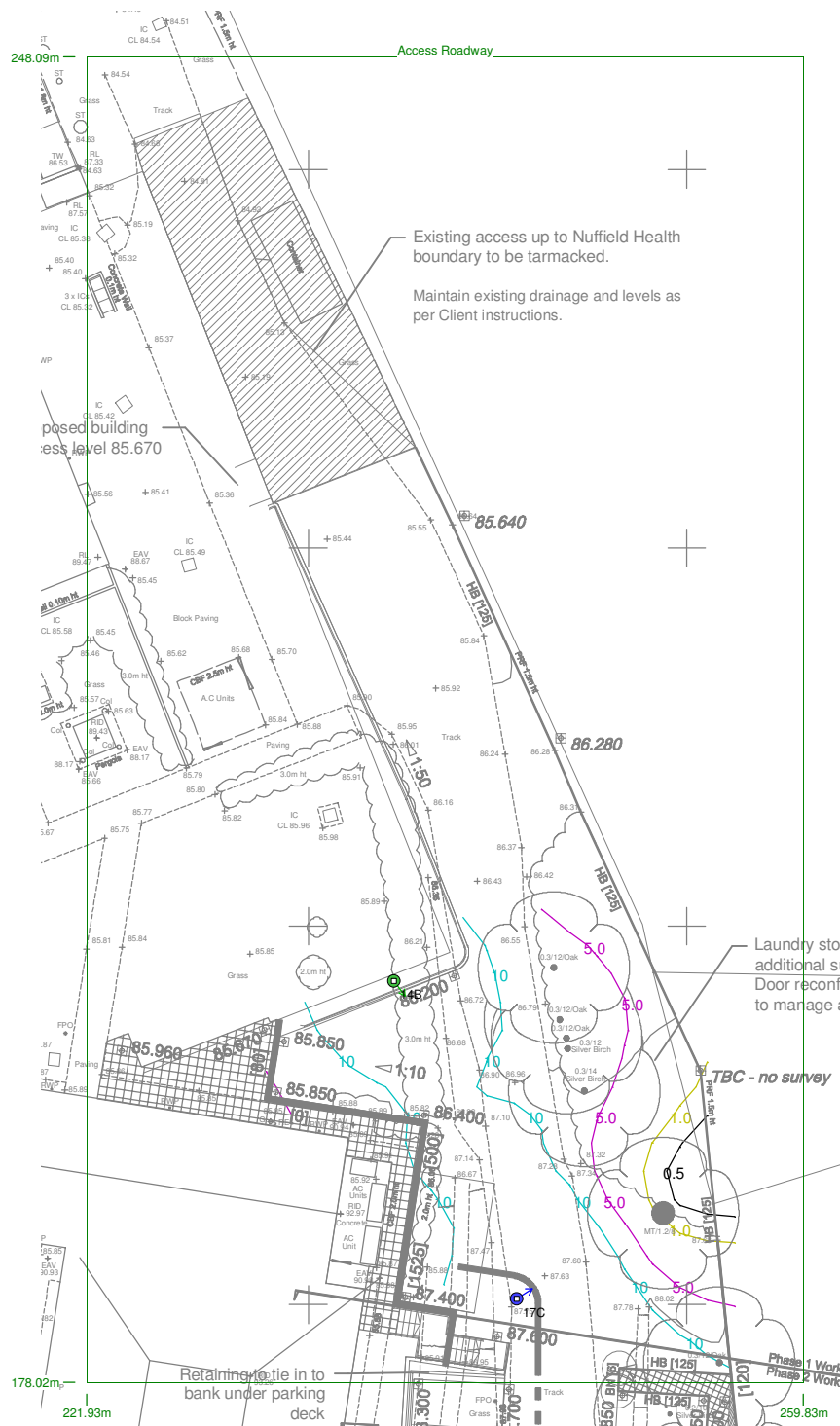


Results

Eav	12.45
Emin	3.92
Emax	50.32
Emin/Emax	0.08
Emin/Eav	0.31

Horizontal Illuminance (lux)

Access Roadway



Results

Eav	9.76
Emin	0.36
Emax	31.33
Emin/Emax	0.01
Emin/Eav	0.04