

DATE: 21 September 2023
DESIGNER: Lucien McQueen
PROJECT No: LM250723-1 v4
PROJECT NAME: Convenience Store, Eastleigh



Outdoor Lighting Report

DISCLAIMER:

The information contained in this Gemma Lighting Ltd recommends that, where LUX levels are business critical, a comprehensive lighting plan is completed by a qualified lighting designer or architect.
The design meets with the Institute of Lighting Professionals (ILP), Guidance Note GN01/21 'The Reduction of Obtrusive Light'.

PREPARED BY: Lucien McQueen

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 443046.9m x 119620.9m
Area 53.8m x 69.3m
Sample Spacing 1.50m x 1.47m

Luminaires

Luminaire A Data



Supplier	Gemma Lighting
Type	Farlington 50W - 2
Lamp(s)	F50-A6W-00G-76-2
LampFlux(klm)/Colour	5.41 3000K/Ra80
File Name	Farlington 50W - 3K - Optic 2.ltd
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	456.8, 155.4, 0.0
No. in Project	3

Luminaire B Data



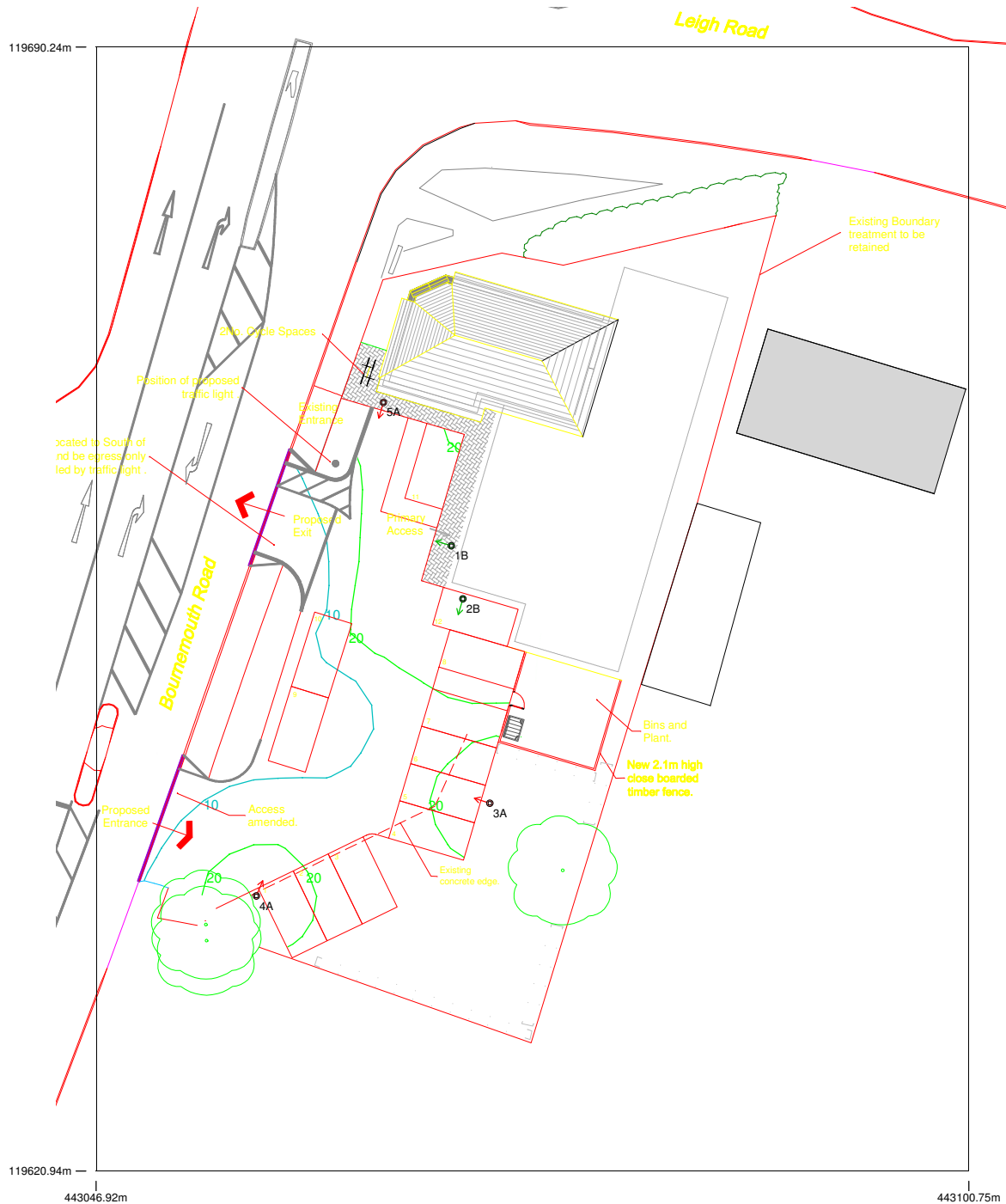
Supplier	Gemma Lighting
Type	Mayfair 30W - 3
Lamp(s)	MF30-A3W-00GH-3
LampFlux(klm)/Colour	3.63 3000K/Ra80
File Name	Mayfair 30W - 3K - Optic 3.ltd
Maintenance Factor	0.90
Imax70,80,90(cd/klm)	565.7, 111.3, 0.0
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	443068.83	119659.51	2.50	164.00	0.00	0.00	0.00			
2	B	443069.53	119656.23	2.50	254.00	0.00	0.00	0.00			
3	A	443071.20	119643.63	5.00	162.00	5.00	0.00	0.00			
4	A	443056.80	119637.93	5.00	67.00	5.00	0.00	0.00			
5	A	443064.64	119668.33	5.00	253.00	5.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1

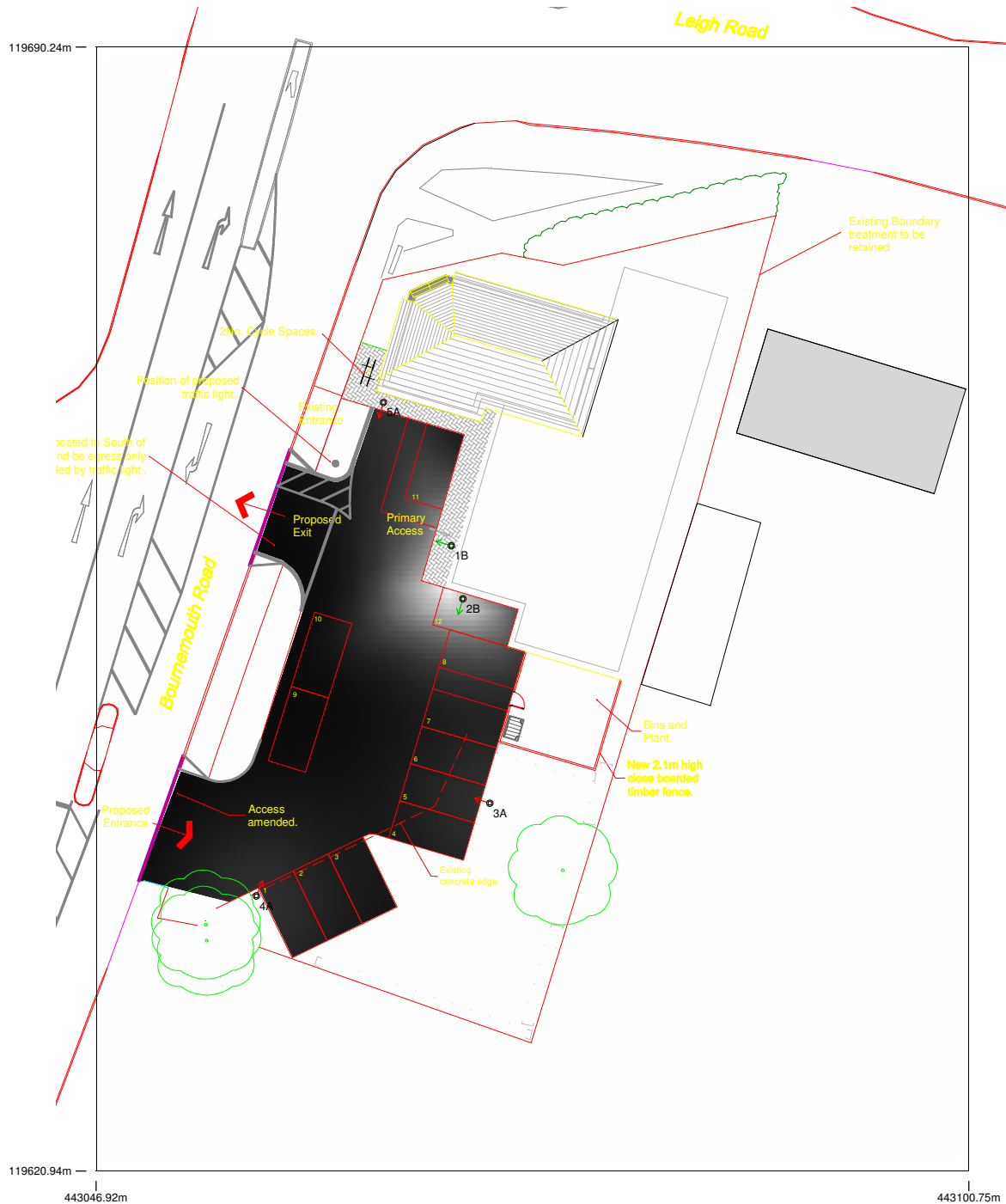


Results

Eav	22.56
Emin	6.07
Emax	107.49
Emin/Emax	0.06
Emin/Eav	0.27

Horizontal Illuminance (lux)

Grid 1

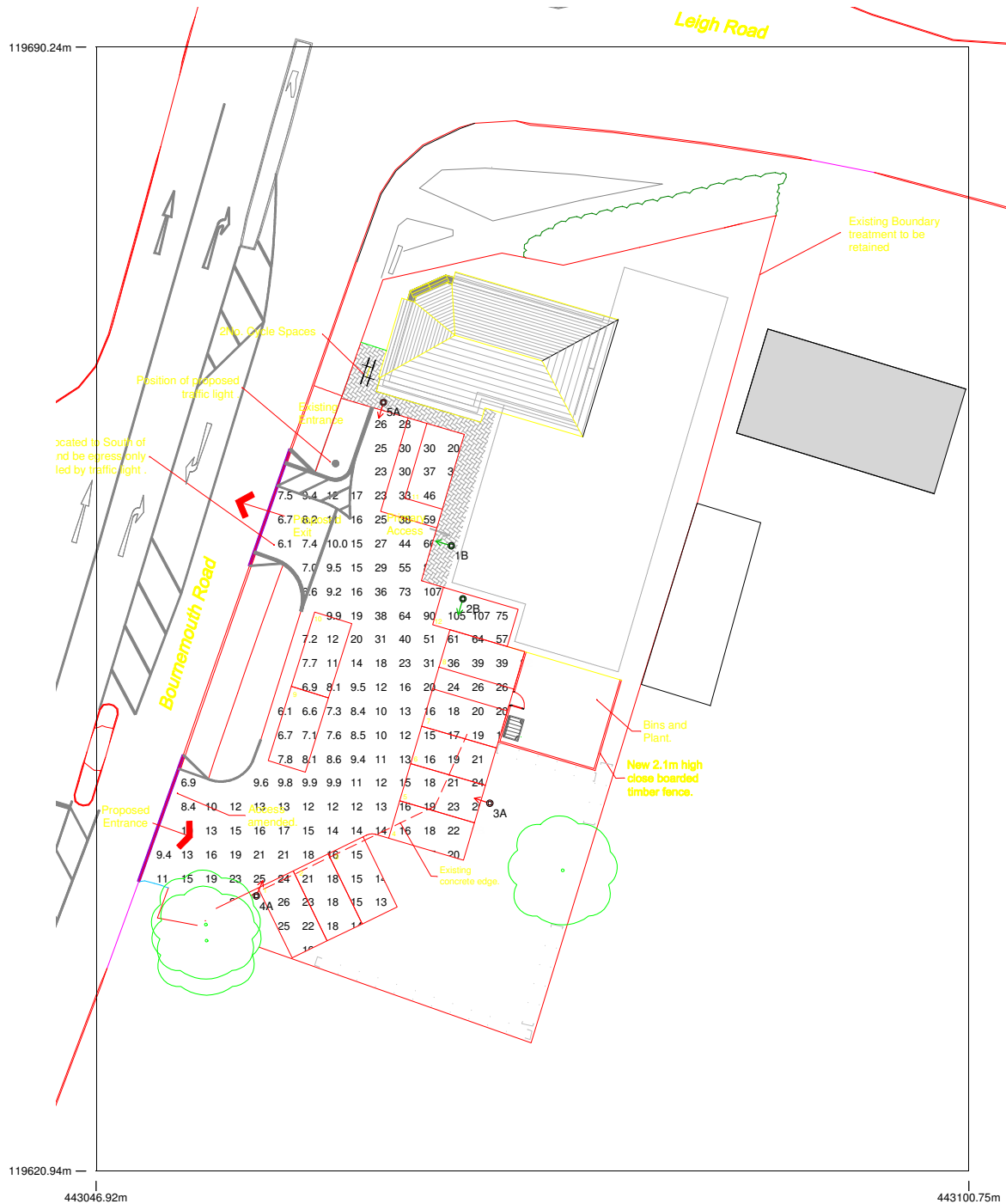


Results

Eav	22.56
Emin	6.07
Emax	107.49
Emin/Emax	0.06
Emin/Eav	0.27

Horizontal Illuminance (lux)

Grid 1



Results

Eav	22.56
Emin	6.07
Emax	107.49
Emin/Emax	0.06
Emin/Eav	0.27