

DATE: 18 March 2022
DESIGNER: SHD Lighting Consultancy
PROJECT No: SHD130
PROJECT NAME: Morseby Parks, Whitehaven



Development layout reference: 6972-104B - Section 38

Lighting classification: P5 (BS 5489-1:2020, Table A.5)

Minimum maintained average illuminance (Eav): >3.00 lux <4.50 lux

Minimum illuminance (Emin): >0.60 lux

Emin/Eav (Uniformity): >0.20 (20%)

Outdoor Lighting Report

PREPARED BY: SHD Lighting Consultancy Ltd
Contact: info@shdlighting.co.uk
Phone: 07834 490 192
Website: www.shdlighting.co.uk

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 846.3m x 45.6m
Area 139.2m x 148.4m
Sample Spacing 1.50m x 1.50m

Luminaires

Luminaire A Data

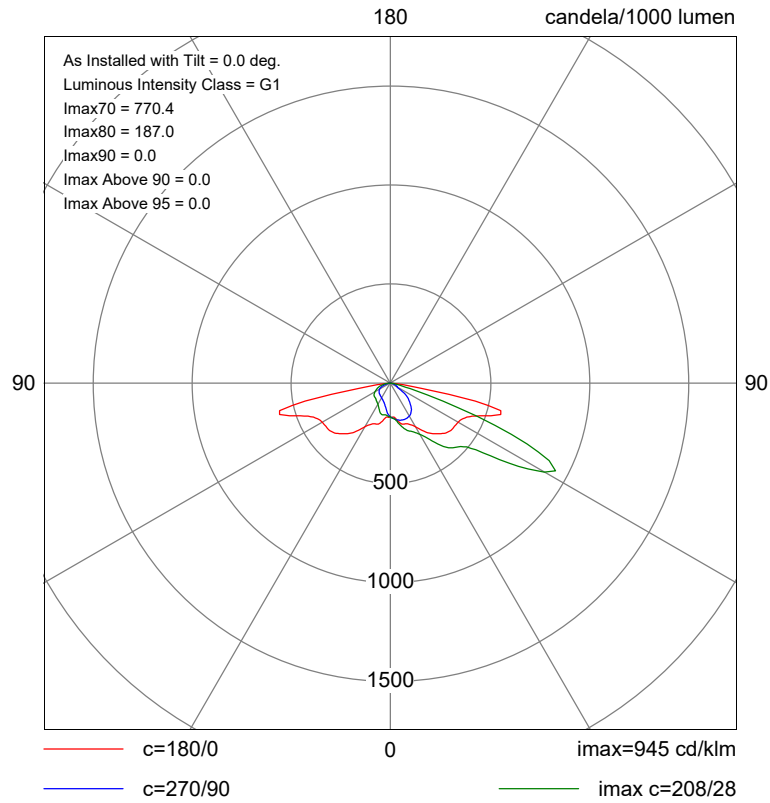
Supplier	Local Authorities
Type	Isaro PRO - 12 x Warm White 3000K LED 3 50mA - WS Optic
Lamp(s)	LED
LampFlux(klm)/Colour	1.76 3000/70
File Name	IP12L35WS730G35_DC.LDT
Maintenance Factor	0.80
Lum. Int. Class	G1
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	A	907.68	71.31	6.00	2.00	0.00	0.00	0.40			
2	A	904.38	105.53	6.00	1.00	0.00	0.00	0.40			
3	A	921.97	160.66	6.00	265.00	0.00	0.00	0.40			
4	A	907.24	138.45	6.00	341.00	0.00	0.00	0.40			

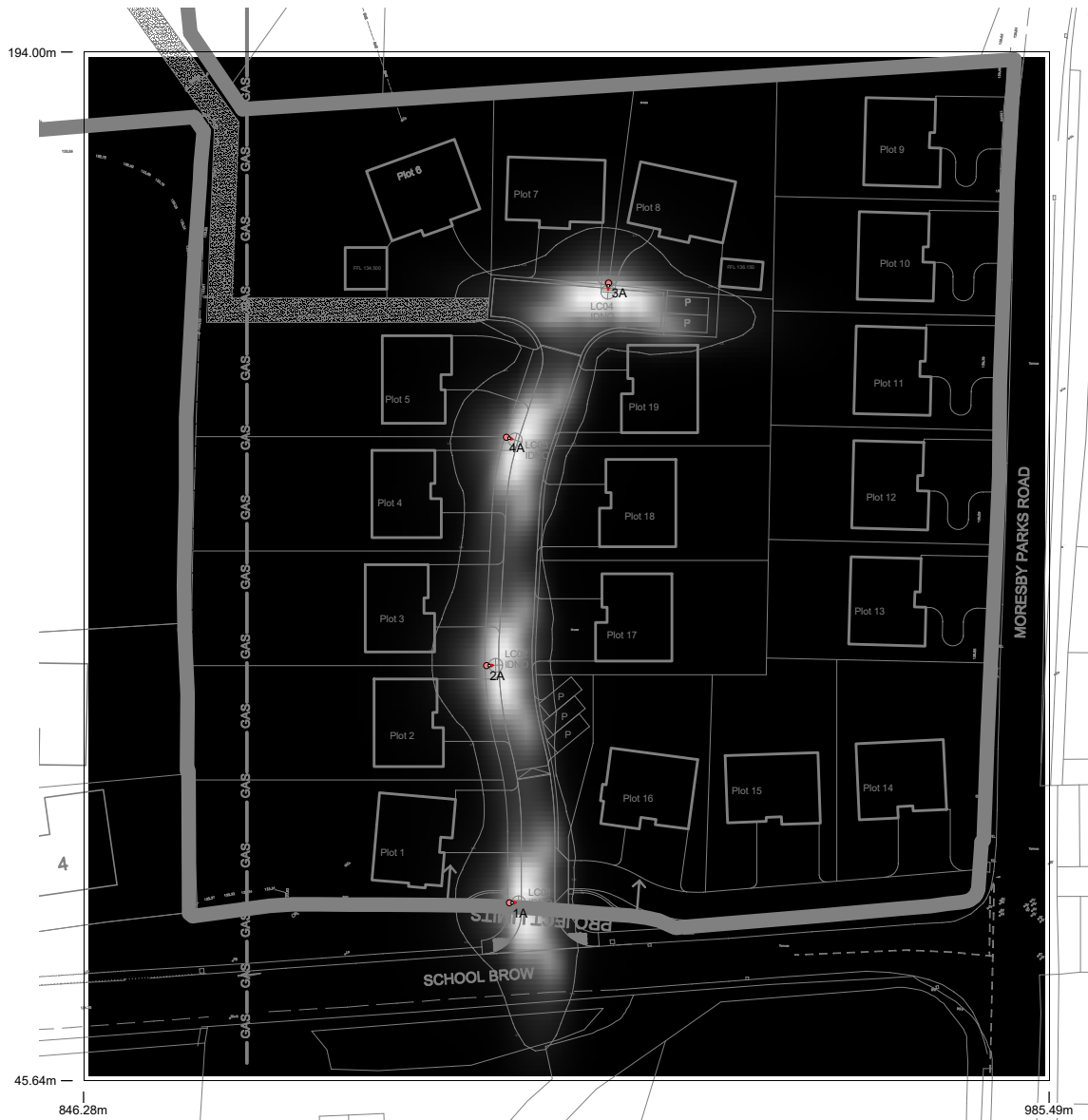
Polar Diagram

Luminaire A Isaro PRO - 12 x Warm White 3000K LED 350mA - WS Optic



Horizontal Illuminance (lux)

Grid 1

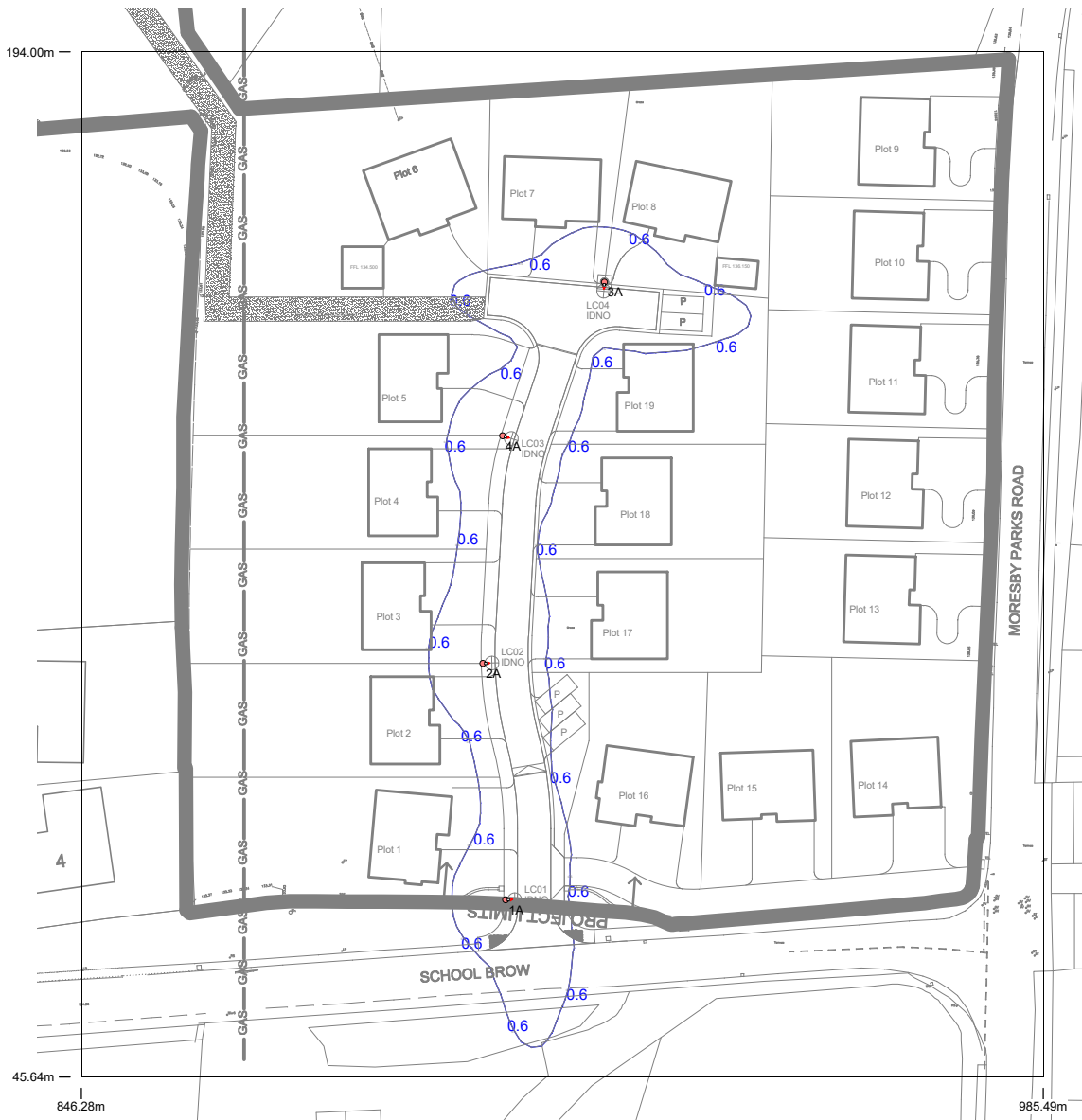


Results

Eav	3.79
Emin	0.76
Emax	8.45
Emin/Emax	0.09
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 1

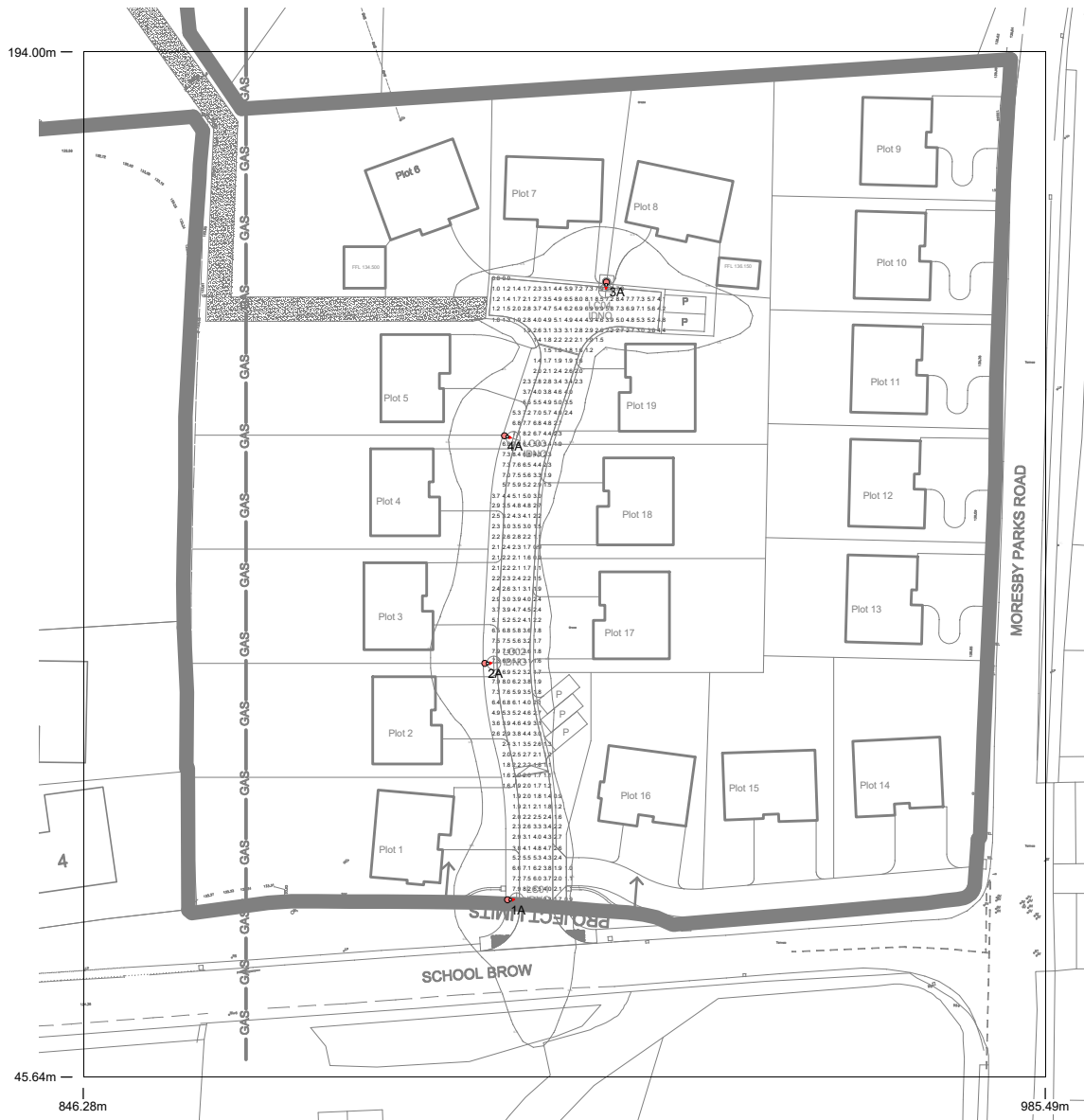


Results

Eav	3.79
Emin	0.76
Emax	8.45
Emin/Emax	0.09
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 1



Results

Eav	3.79
Emin	0.76
Emax	8.45
Emin/Emax	0.09
Emin/Eav	0.20