

DATE: 21 May 2025
DESIGNER: Kevin Hill
PROJECT No: SLDS-4560
PROJECT NAME: Aldi, Preston Street, Whitehaven

**LIGHTING
REALITY**

Lighting British Standards BS5489

Table A.3 Lighting Classes for traffic routes ($v \leq 40$ mph)
Single Carriageway
Low to moderate
Lighting Level Required - M4

Table A.1 Lighting classes of comparable level
M4 = C3

Level Required
Eav - 15lux
Emin/Eav - 0.4lux

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 297183.7m x 517522.4m
Area 95.6m x 96.3m
Sample Spacing 1.49m x 1.48m

Luminaires



Luminaire A Data

Supplier	Thorn Lighting UK & Ireland
Type	R2L2 Medium 60LED 500mA EWR optic
Lamp(s)	LED 4000K CRI 70
LampFlux(klm)/Colour	13.58 4000/70
File Name	RM60L50EWR740.LDT
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	615.4, 67.1, 0.0
No. in Project	2

Luminaire B Data

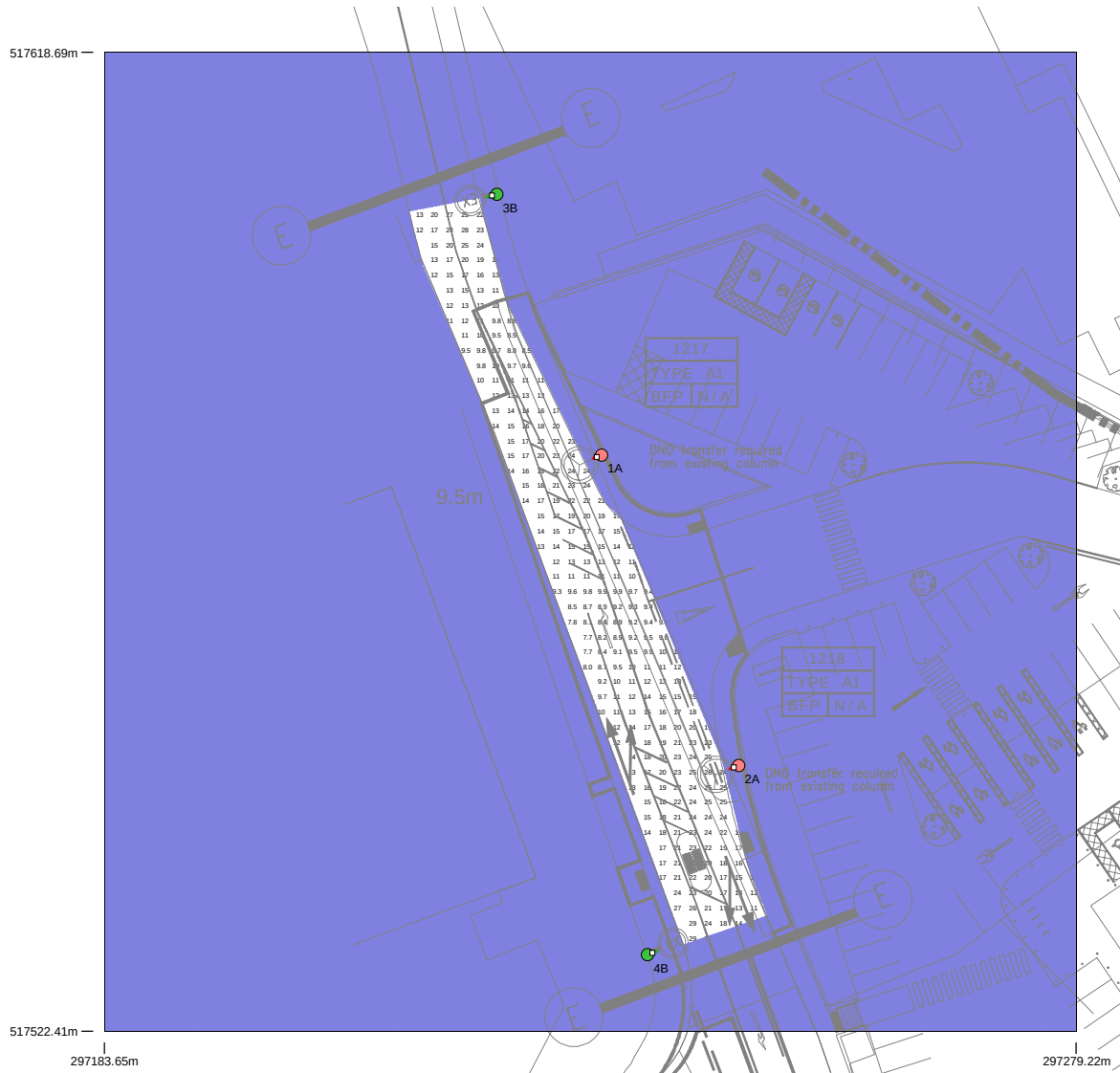
Supplier	_Historic Lanterns
Type	AXIA/5080/Clear P./32LEDs 700mA NW (8.35 2 klm) 79/31314F
Lamp(s)	32LEDs 700mA NW (8.352 klm)
Lamp Flux (klm)	8.35
File Name	AXIA_Clear P._5080_32LEDs 700mA NW (8.352 klm)_79_31314F_31314FDZ.ltd
Maintenance Factor	0.87
Imax70,80,90(cd/klm)	803.2, 84.3, 0.0
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	297232.53	517579.12	10.00	201.00	0.00	0.00	0.50			
2	A	297245.98	517548.55	10.00	200.00	0.00	0.00	0.50			
3	B	297222.25	517604.72	8.00	196.00	0.00	0.00	0.50			
4	B	297237.04	517530.01	8.00	17.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	15.79
Emin	7.70
E _{max}	29.43
Emin/E _{max}	0.26
Emin/Eav	0.49