

DATE: 28 September 2022
DESIGNER: HEALY Consulting Engineers Ltd
PROJECT No: P0298C
PROJECT NAME: Proposed housing development Ardrahan Co. Galway

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin -190.3m x -254.7m
Area 161.8m x 117.5m
Sample Spacing 1.50m x 1.49m

Luminaires



Luminaire A Data

Supplier	Thorn
Type	ISARO PRO S - 12 x Warm White 3000K LE D CRI70 700mA - EWR Opt
Lamp(s)	LED_3000K
LampFlux(klm)/Colour	3.39 3000/70
File Name	IP12L70EWR730G36_DC.LDT
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	615.4, 67.1, 0.0
No. in Project	7

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	-92.98	-218.27	6.00	32.00	0.00	0.00	0.40			
2	A	-117.28	-208.48	6.00	65.00	0.00	0.00	0.40			
3	A	-140.92	-198.83	6.00	72.00	0.00	0.00	0.40			
4	A	-139.24	-173.48	6.00	319.00	0.00	0.00	0.40			
5	A	-105.23	-173.83	6.00	219.00	0.00	0.00	0.40			
6	A	-87.96	-197.74	6.00	220.00	0.00	0.00	0.40			
7	A	-66.55	-224.14	6.00	216.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.99
Emin	2.25
Emax	16.08
Emin/Emax	0.14
Emin/Eav	0.38