

LIGHTING DESIGN

Installation : SUN LITE

Project number : SKELMANTHROPE

Customer : PROJECT DESIGN

Processed by : HENRY BONE

Date : 22.06.2023

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

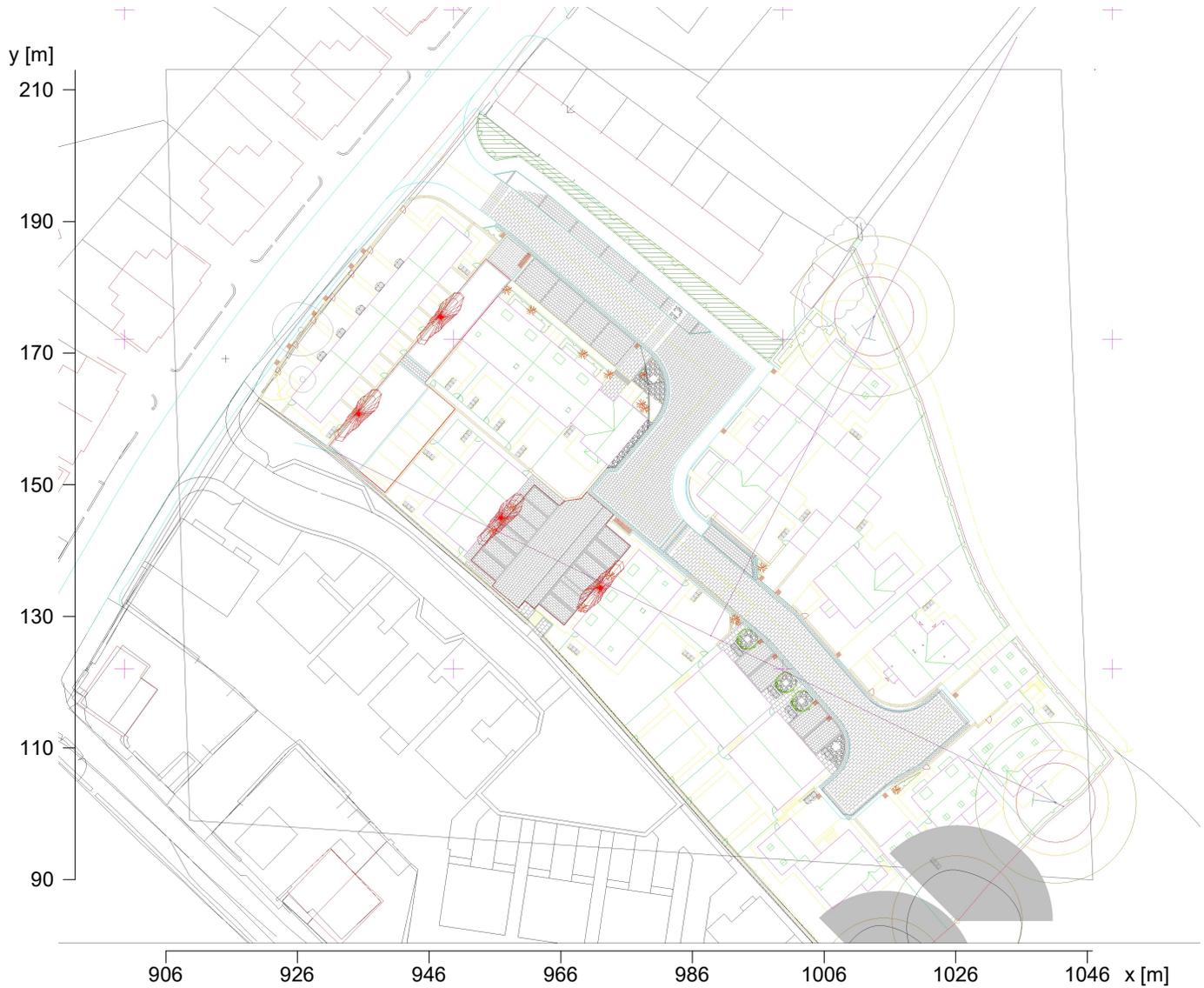
This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

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2 Exterior 1

2.1 Description, Exterior 1

2.1.1 Floor plan



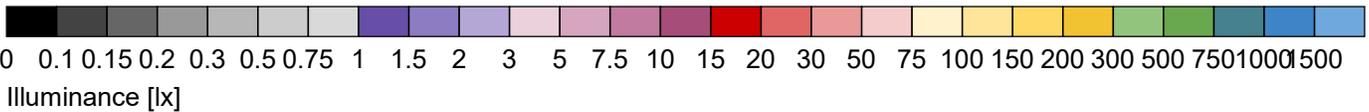
2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Measuring area 1



906 926 946 966 986 1006 1026 1046 x [m]



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	0.80

Total luminous flux	33528 lm
Total power	240 W
Total power per area (16155.39 m ²)	0.01 W/m ²

Illuminance

Average illuminance	\bar{E}_m	21.8 lx
Minimum illuminance	E_{min}	0.5 lx
Maximum illuminance	E_{max}	74.4 lx
Uniformity U_o	E_{min}/\bar{E}_m	1:45.3 (0.02)
Diversity U_d	E_{min}/E_{max}	1:154 (0.01)

Type No. \ Make

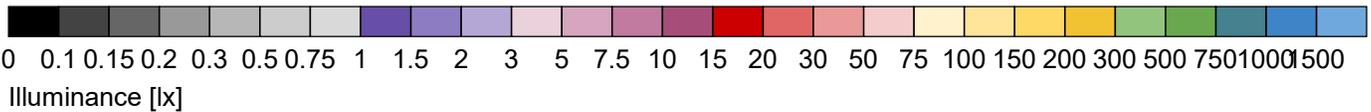
1	4 x	Order No.	:
		Luminaire name	: AIO-60W
		Equipment	: 1 x AIO-60W 60 W / 8382 lm

2.2 Summary, Exterior 1

2.2.2 Result overview, Measuring area 2



906 926 946 966 986 1006 1026 1046 x [m]



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot. centre) [m]:	6.00 m
Maintenance factor	0.80

Total luminous flux	33528 lm
Total power	240 W
Total power per area (16155.39 m ²)	0.01 W/m ²

Illuminance

Average illuminance	\bar{E}_m	15.8 lx
Minimum illuminance	E_{min}	1.1 lx
Maximum illuminance	E_{max}	65.8 lx
Uniformity U_o	E_{min}/\bar{E}_m	1:14.5 (0.07)
Diversity U_d	E_{min}/E_{max}	1:60.6 (0.02)

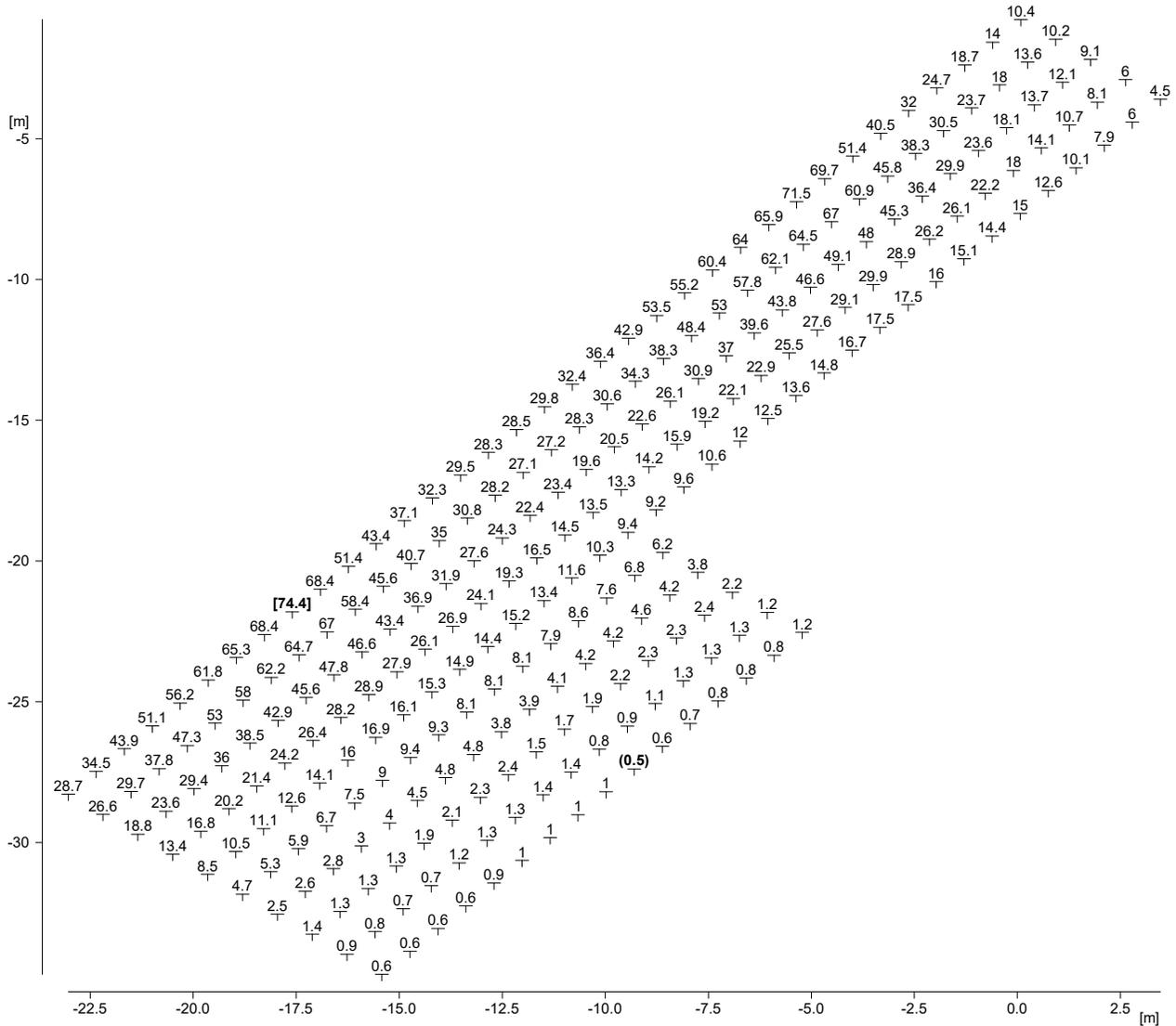
Type No. \ Make

1	4 x	Order No.	:
		Luminaire name	: AIO-60W
		Equipment	: 1 x AIO-60W 60 W / 8382 lm

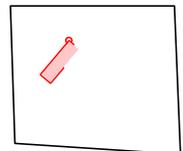
2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Measuring area 1 (E)

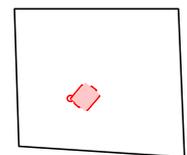
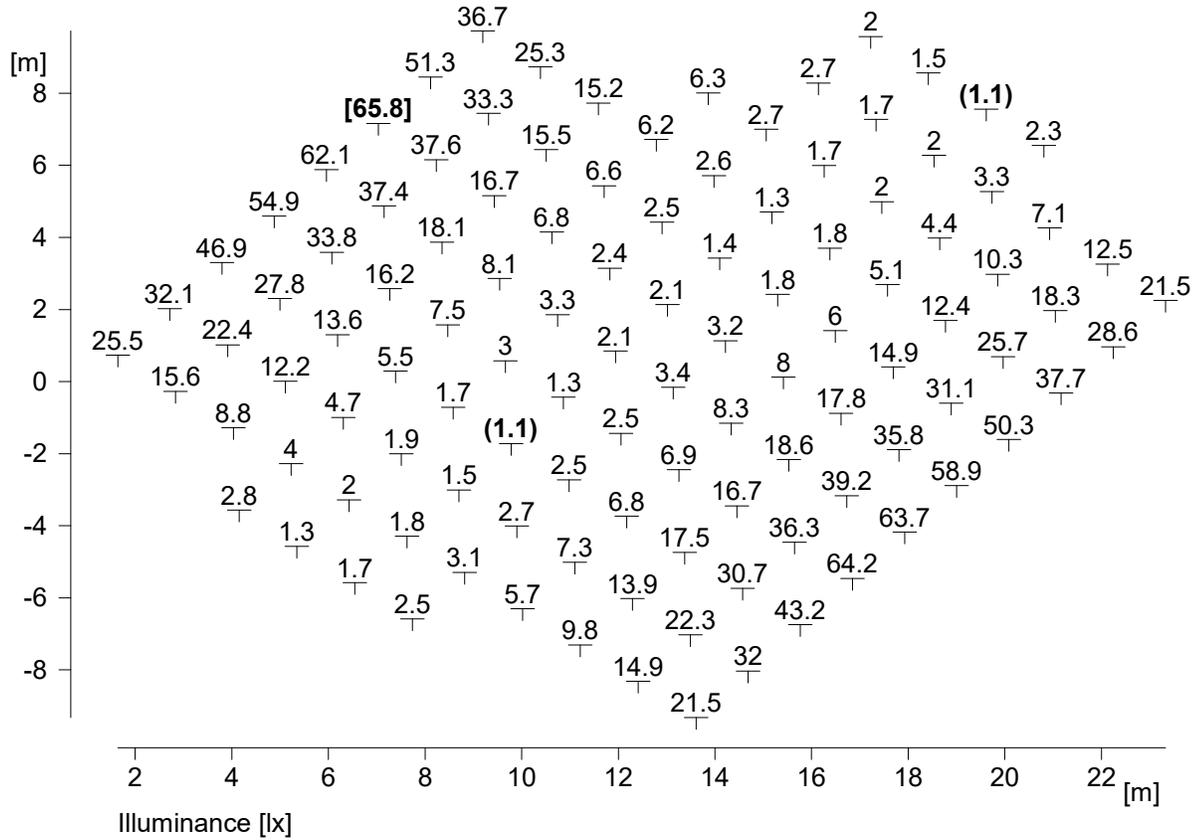


Height reference plane	:	0.00 m
Average illuminance	\bar{E}_m	: 21.8 lx
Minimum illuminance	E_{min}	: 0.5 lx
Maximum illuminance	E_{max}	: 74.4 lx
Uniformity U_o	E_{min}/\bar{E}_m	: 1 : 45.29 (0.02)
Diversity U_d	E_{min}/E_{max}	: 1 : 154.30 (0.01)



2.3 Calculation results, Exterior 1

2.3.2 Table, Measuring area 2 (E)



Height reference plane		: 0.00 m
Average illuminance	\bar{E}_m	: 15.8 lx
Minimum illuminance	E_{min}	: 1.1 lx
Maximum illuminance	E_{max}	: 65.8 lx
Uniformity U_o	E_{min}/\bar{E}_m	: 1 : 14.52 (0.07)
Diversity U_d	E_{min}/E_{max}	: 1 : 60.57 (0.02)