

Art School - Exterior

Installation : Reading University

Project number :

Customer : BYA

Processed by : JJ

Date : 28.01.2022

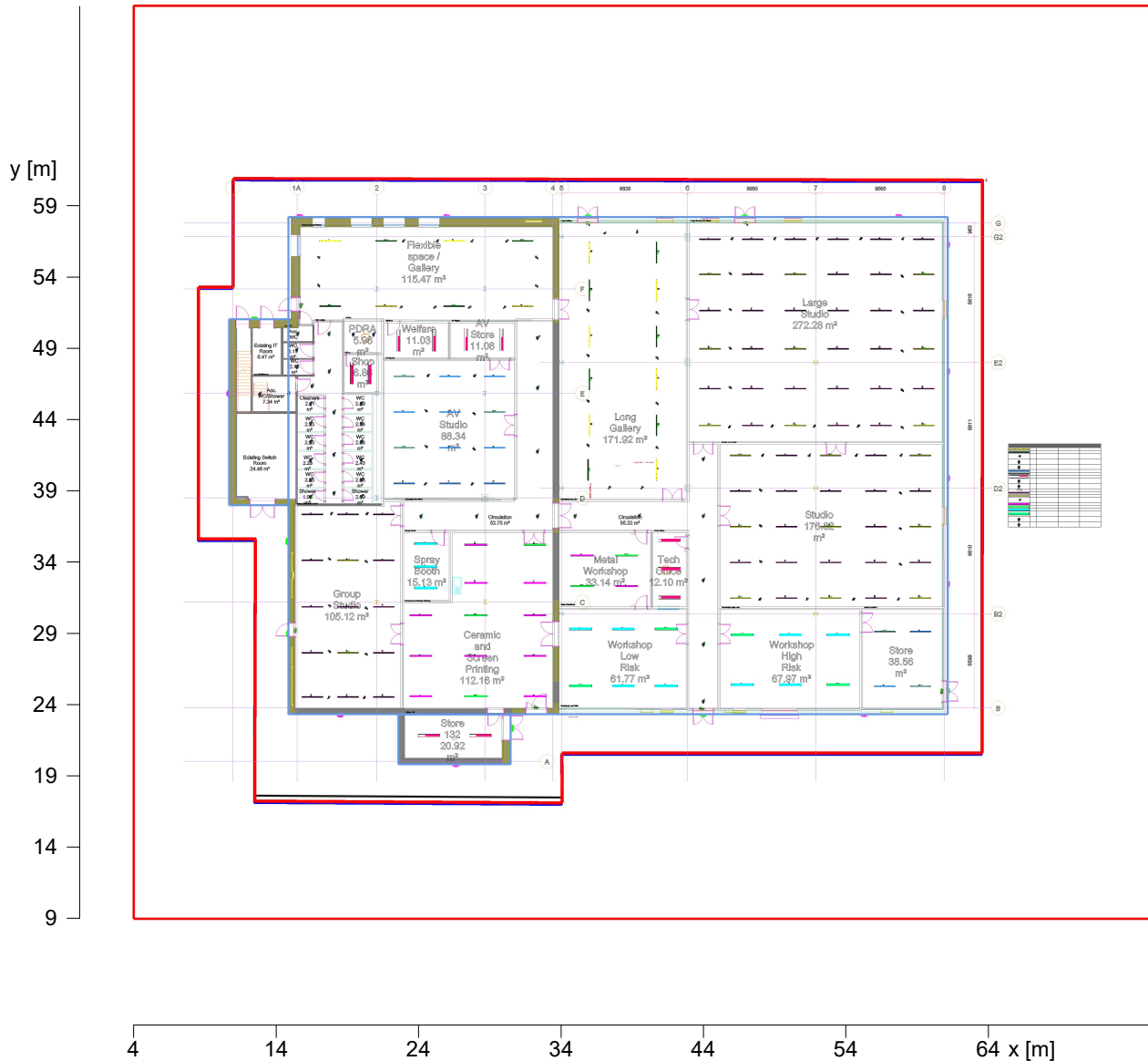
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

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

1 Exterior 1(Copy of)

1.1 Description, Exterior 1(Copy of)

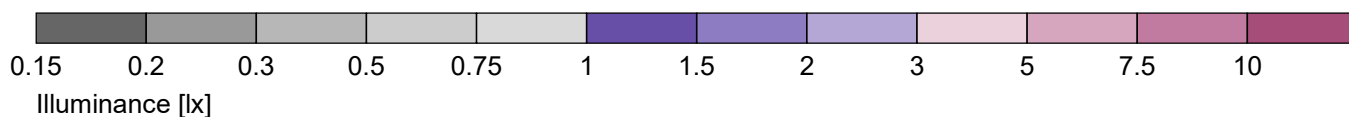
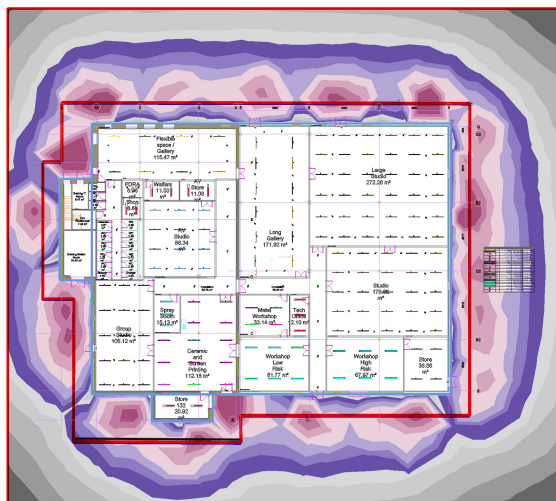
1.1.1 Floor plan



1 Exterior 1(Copy of)

1.2 Summary, Exterior 1(Copy of)

1.2.1 Result overview, Larger Area - Ecosystem



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot centre) [m]:	2.00 m
Maintenance factor	0.65

Total luminous flux of all lamps	30400 lm
Total power	288.8 W
Total power per area (2196.59 m²)	0.13 W/m²

Illuminance

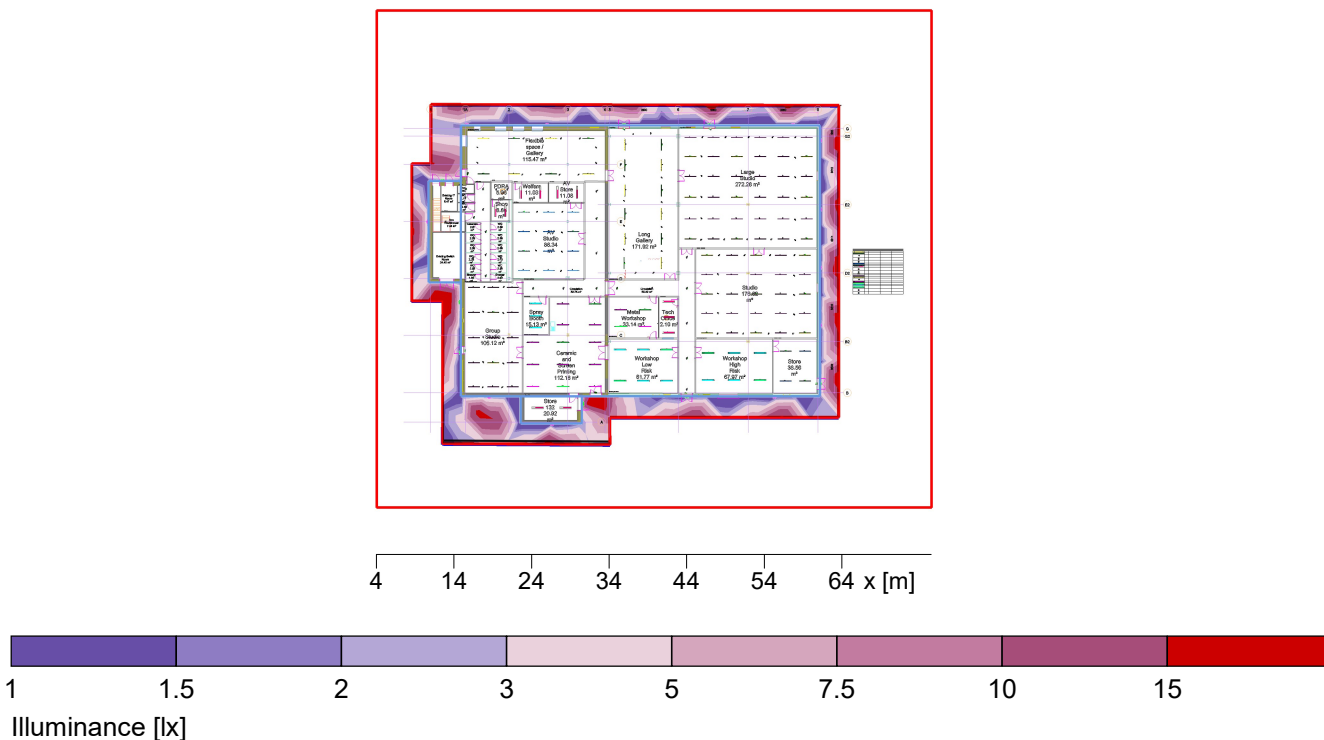
Average illuminance	Em	2.2 lx
Minimum illuminance	Emin	0.2 lx
Maximum illuminance	Emax	12.9 lx
Uniformity Uo	Emin/Em	1:13.9 (0.07)
Diversity Ud	Emin/Emax	1:82.4 (0.01)

Type No. \ Make

Dextra Group PLC		
1	11	Order No. : AMEX L16 EB
		Luminaire name : DEXTRA LIGHTING - AMENITY EXTERIOR
		Equipment : 1 x Dextra 15.2 W / 1600 lm
2	8	Order No. : !AMEX L16 EB LE3
		Luminaire name : DEXTRA LIGHTING - AMENITY EXTERIOR
		Equipment : 1 x Dextra 15.2 W / 1600 lm

1.2 Summary, Exterior 1(Copy of)

1.2.2 Result overview, Building Perimeter



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot centre) [m]:	2.00 m
Maintenance factor	0.65

Total luminous flux of all lamps	30400 lm
Total power	288.8 W
Total power per area (2196.59 m ²)	0.13 W/m ²

Illuminance

Average illuminance	Em	5 lx
Minimum illuminance	Emin	1.2 lx
Maximum illuminance	Emax	18.3 lx
Uniformity Uo	Emin/Em	1:4.28 (0.23)
Diversity Ud	Emin/Emax	1:15.7 (0.06)

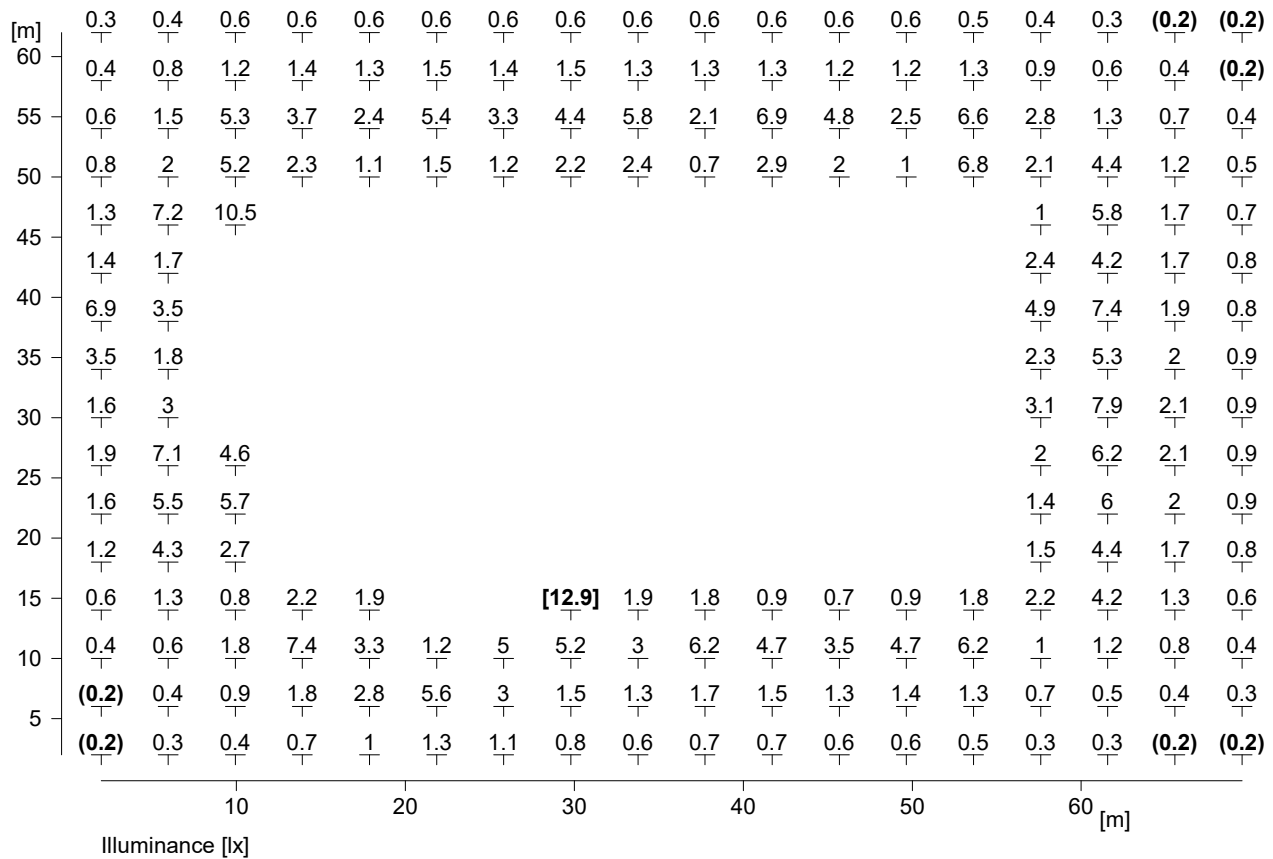
Type No.\Make

Dextra Group PLC		
1	11	Order No. : AMEX L16 EB
		Luminaire name : DEXTRA LIGHTING - AMENITY EXTERIOR
		Equipment : 1 x Dextra 15.2 W / 1600 lm
2	8	Order No. : !AMEX L16 EB LE3
		Luminaire name : DEXTRA LIGHTING - AMENITY EXTERIOR
		Equipment : 1 x Dextra 15.2 W / 1600 lm

1 Exterior 1(Copy of)

1.3 Calculation results, Exterior 1(Copy of)

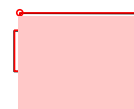
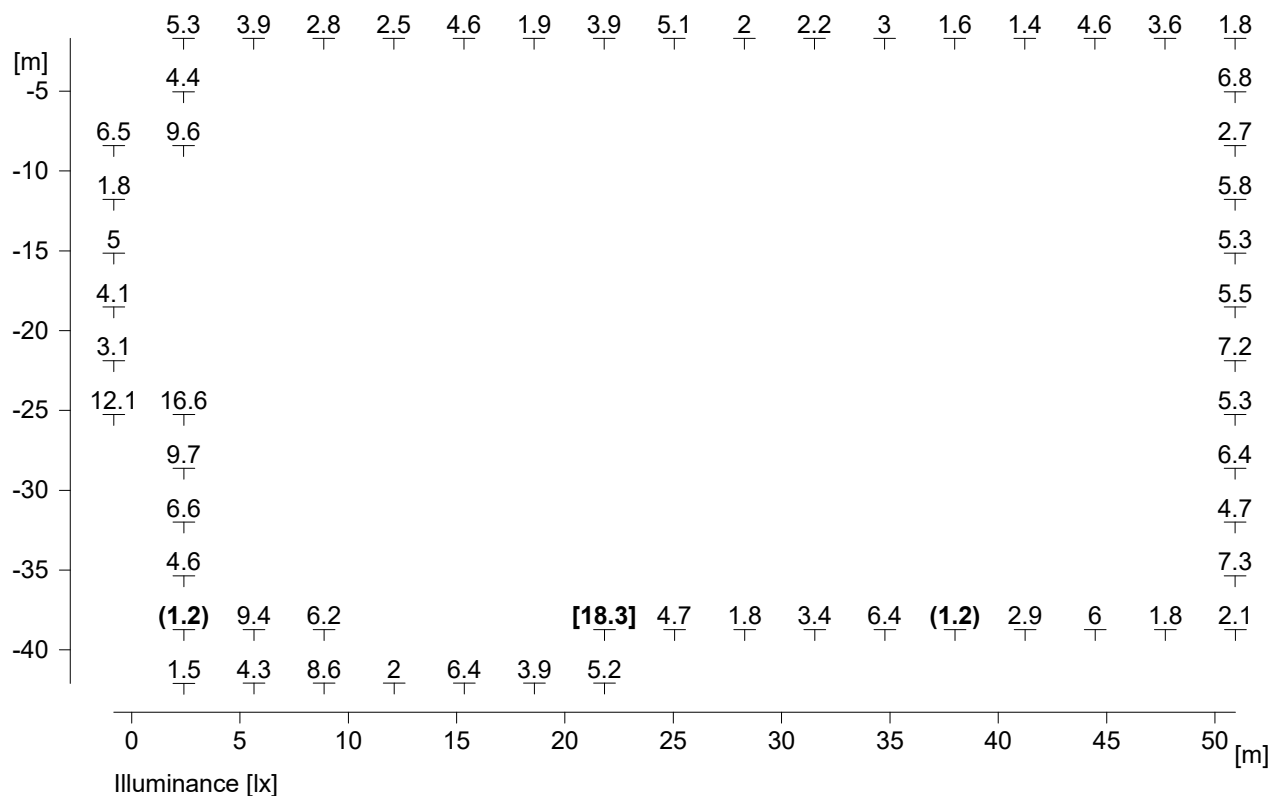
1.3.1 Table, Larger Area - Ecosystem (E)



Height reference plane	: 0.00 m
Average illuminance	Em : 2.2 lx
Minimum illuminance	Emin : 0.2 lx
Maximum illuminance	Emax : 12.9 lx
Uniformity Uo	Emin/Em : 1 : 13.91 (0.07)
Diversity Ud	Emin/Emax : 1 : 82.44 (0.01)

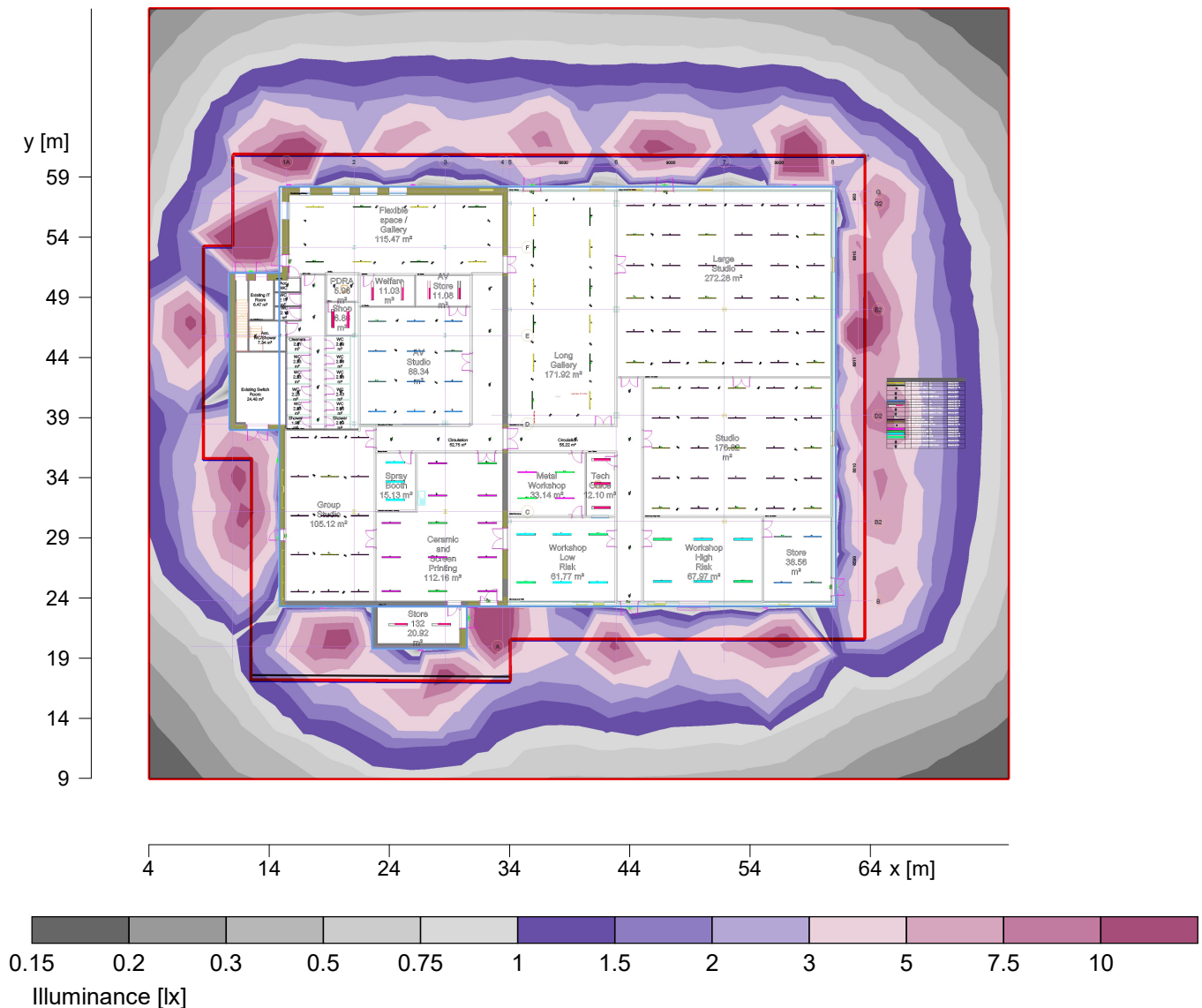
1.3 Calculation results, Exterior 1(Copy of)

1.3.2 Table, Building Perimeter (E)



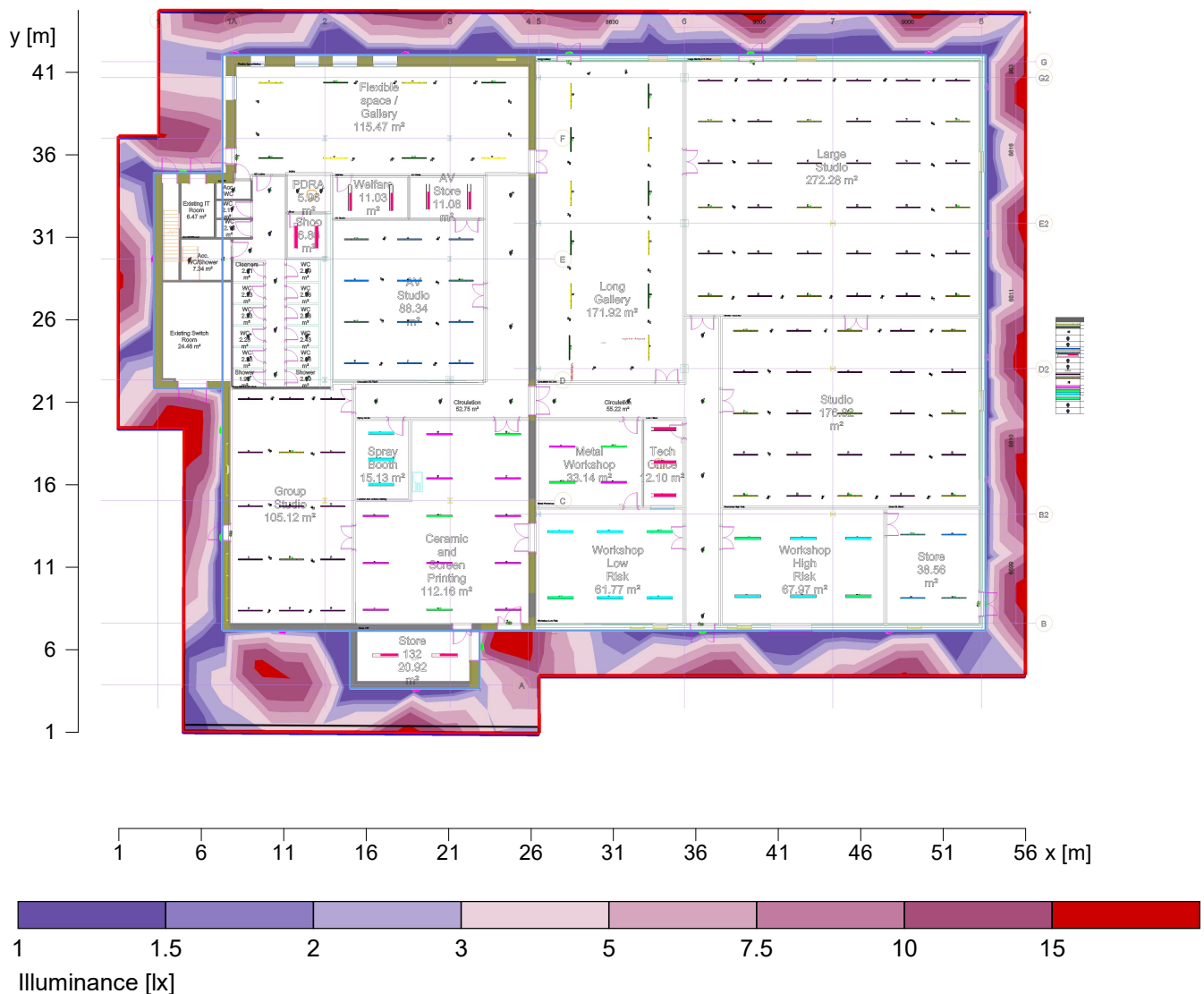
Height reference plane	: 0.00 m
Average illuminance	Em : 5 lx
Minimum illuminance	Emin : 1.2 lx
Maximum illuminance	Emax : 18.3 lx
Uniformity Uo	Emin/Em : 1 : 4.28 (0.23)
Diversity Ud	Emin/Emax : 1 : 15.73 (0.06)

1.3.3 Pseudo colours, Larger Area - Ecosystem (E)



Height reference plane		: 0.00 m
Average illuminance	Em	: 2.2 lx
Minimum illuminance	Emin	: 0.2 lx
Maximum illuminance	Emax	: 12.9 lx
Uniformity Uo	Emin/Em	: 1 : 13.91 (0.07)
Diversity Ud	Emin/Emax	: 1 : 82.44 (0.01)

1.3.4 Pseudo colours, Building Perimeter (E)



Height reference plane		: 0.00 m
Average illuminance	Em	: 5 lx
Minimum illuminance	Emin	: 1.2 lx
Maximum illuminance	Emax	: 18.3 lx
Uniformity Uo	Emin/Em	: 1 : 4.28 (0.23)
Diversity Ud	Emin/Emax	: 1 : 15.73 (0.06)