

MARKET HOUSE READING

Installation : MARKET HOUSE READING PERGOLA AREA V2

Project number : PSILLU105

Customer :

Processed by :

Date : 18.09.2018

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

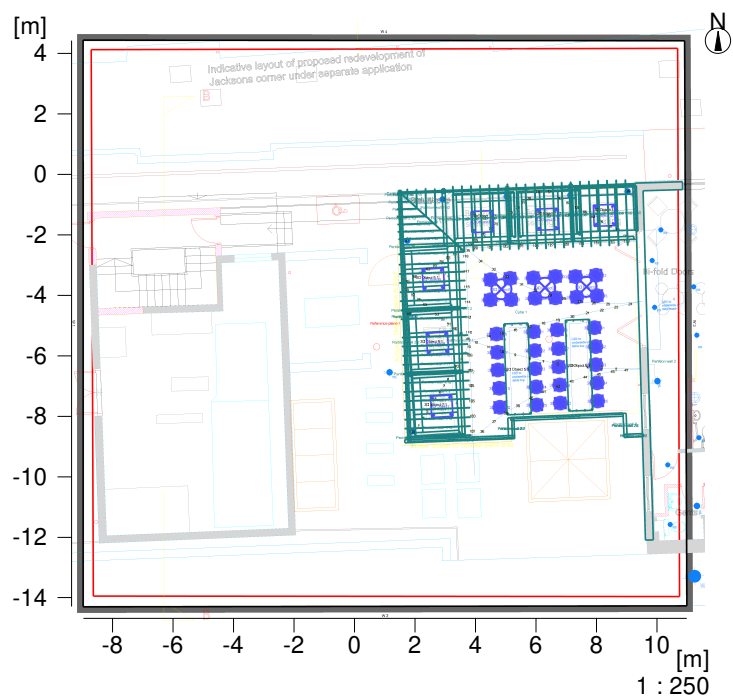
Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

1 Room 1

1.1 Description, Room 1

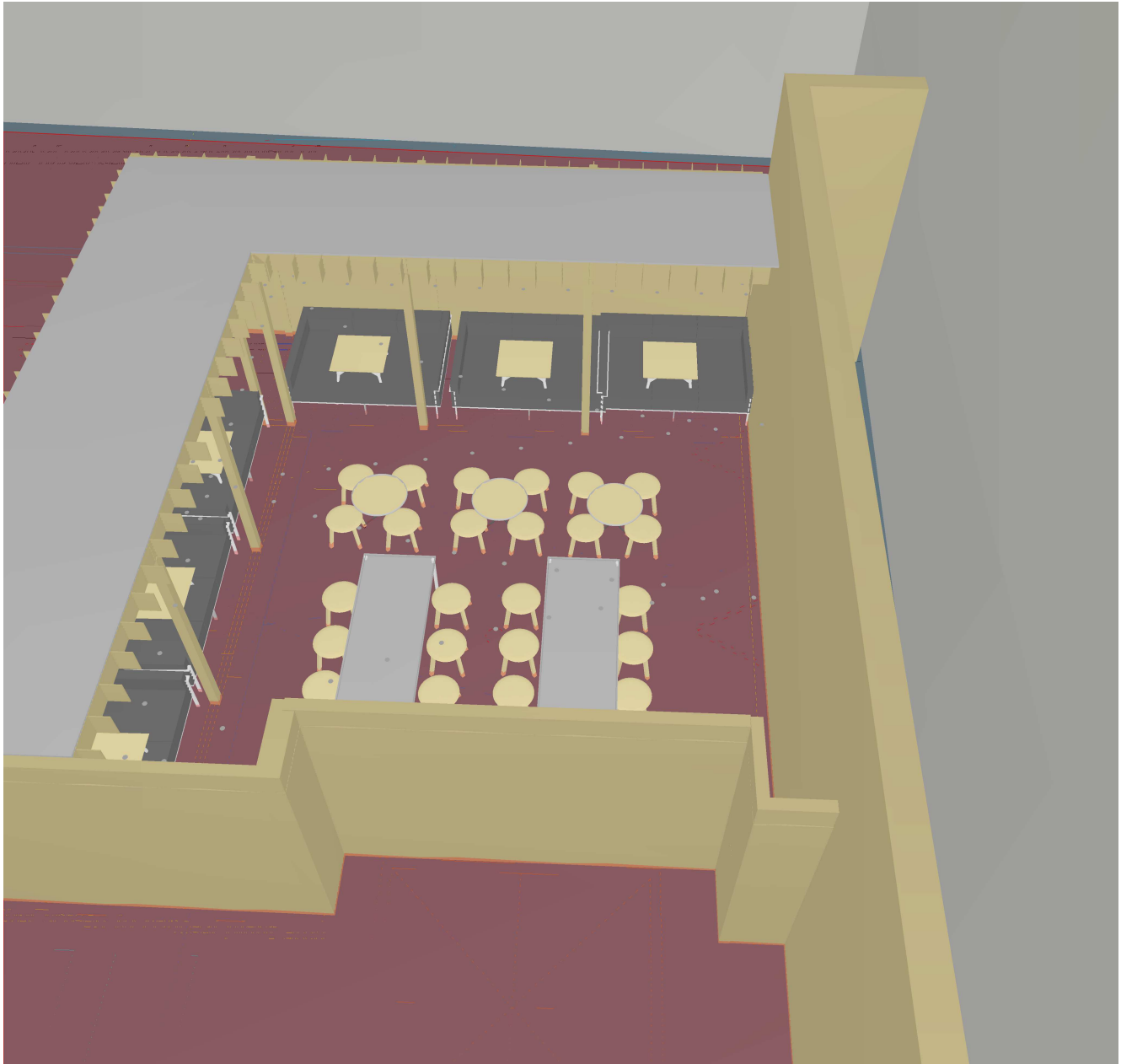
1.1.1 Floor plan



Wall	x	y	Length	Reflectance
1	16.04 m	38.24 m	18.70 m	50.0 %
2	35.97 m	38.27 m	19.93 m	50.0 %
3	35.90 m	56.91 m	18.65 m	50.0 %
4	16.04 m	56.93 m	19.86 m	50.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		20.00 m		
Height of reference plane		0.00 m		

1.1 Description, Room 1

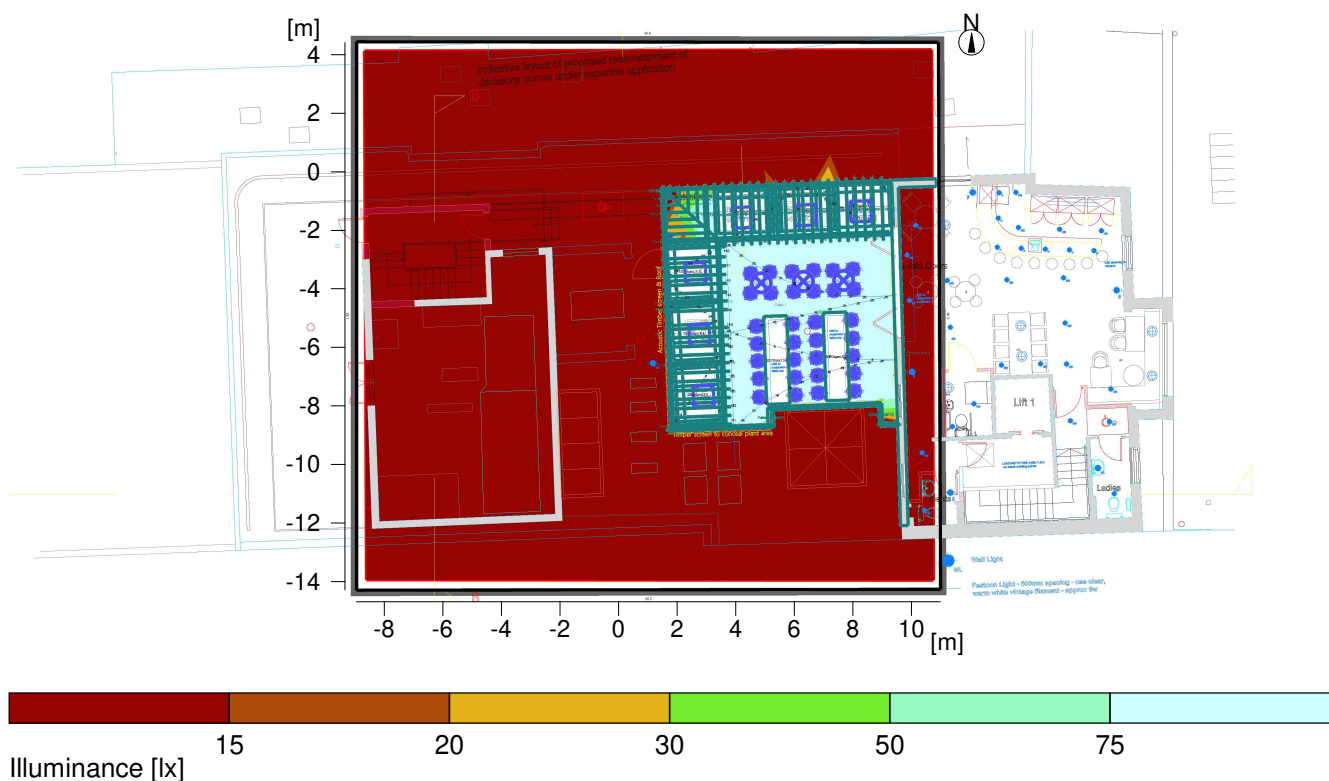
1.1.2 3D view, View 1



1 Room 1

1.2 Summary, Room 1

1.2.1 Result overview, Reference plane 1



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.90
Total luminous flux of all lamps	39400 lm
Total power	528 W
Total power per area (371.47 m²)	1.42 W/m² (3.73 W/m²/100lx)

Illuminance

Average illuminance	Eav	38 lx
Minimum illuminance	Emin	0 lx
Maximum illuminance	Emax	730 lx
Uniformity Uo	Emin/Em	1:156 (0.01)
Diversity Ud	Emin/Emax	1:2980 (0)

Type No. Make

INTEGRAL LED			
1	132	Order No.	: !FESTOON
		Luminaire name	: FESTOON
		Equipment	: 1 x LED 4 W / 250 lm
Aurora			
2	12	Order No.	: !AU-ST100-WW-1000mm
		Luminaire name	: LED Strip
		Equipment	: 1 x LED STRIPLIGHT (120 x LED's) / 400 lm

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1 Room 1

1.2 Summary, Room 1

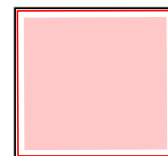
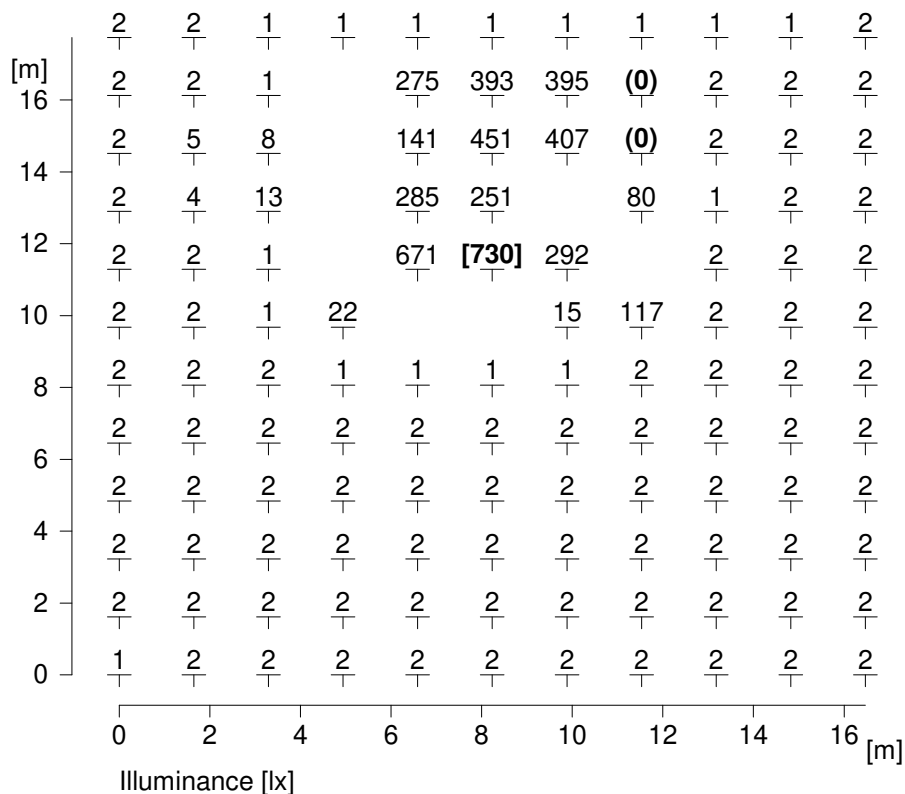
1.2.1 Result overview, Reference plane 1

3	8	Order No.	: !AU-ST224-WW-500mm
		Luminaire name	: LED Strip
		Equipment	: 1 x LED STRIPLIGHT / 200 lm

1 Room 1

1.3 Calculation results, Room 1

1.3.1 Table, Reference plane 1 (E)



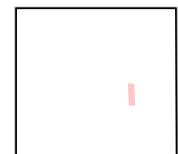
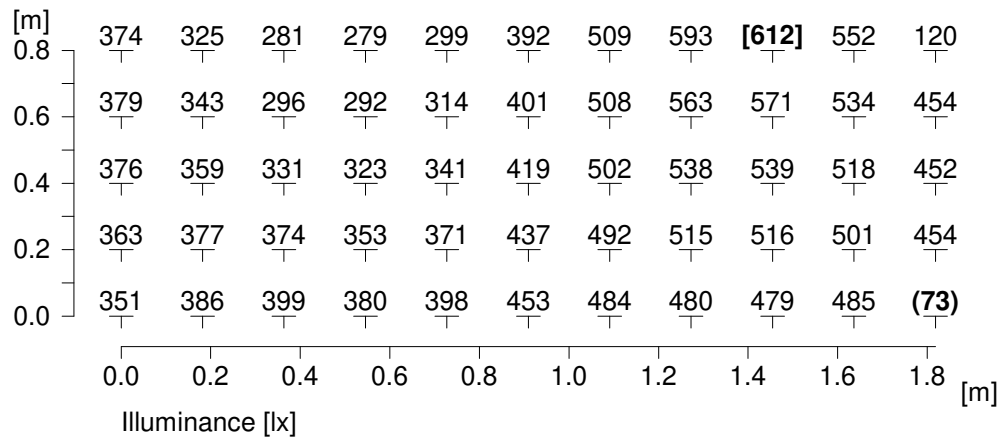
Height of the reference plane

Average illuminance	Eav	: 0.00 m
Minimum illuminance	Emin	: 38 lx
Maximum illuminance	Emax	: 0 lx
Uniformity Uo	Emin/Eav	: 730 lx
Diversity Ud	Emin/Emax	: 1 : 155.79 (0.01)
		: 1 : 2983.76 (0.00)

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1.3 Calculation results, Room 1

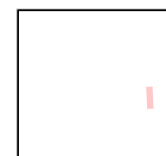
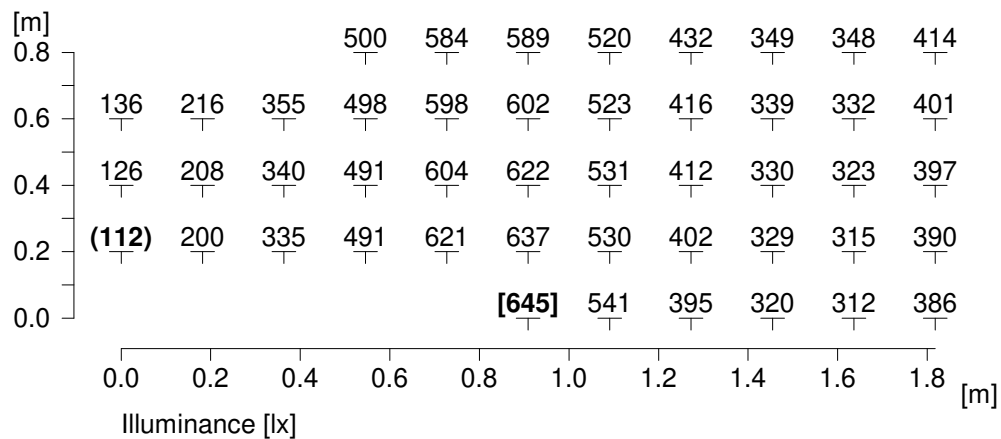
1.3.2 Table, Furniture object 5.1 (E)



Average illuminance	Eav	: 415 lx
Minimum illuminance	Emin	: 73 lx
Maximum illuminance	Emax	: 612 lx
Uniformity Uo	Emin/Eav	: 1 : 5.71 (0.18)
Diversity Ud	Emin/Emax	: 1 : 8.43 (0.12)

1.3 Calculation results, Room 1

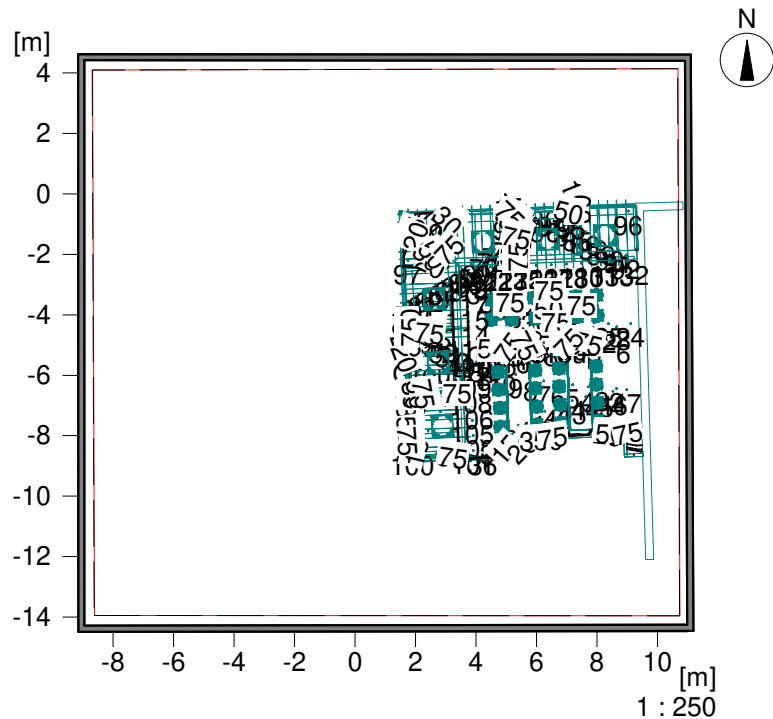
1.3.3 Table, Furniture object 6.1 (E)



Average illuminance	Eav	: 415 lx
Minimum illuminance	Emin	: 112 lx
Maximum illuminance	Emax	: 645 lx
Uniformity Uo	Emin/Eav	: 1 : 3.70 (0.27)
Diversity Ud	Emin/Emax	: 1 : 5.75 (0.17)

1.3 Calculation results, Room 1

1.3.4 Isolines representation, Reference plane 1 (E)



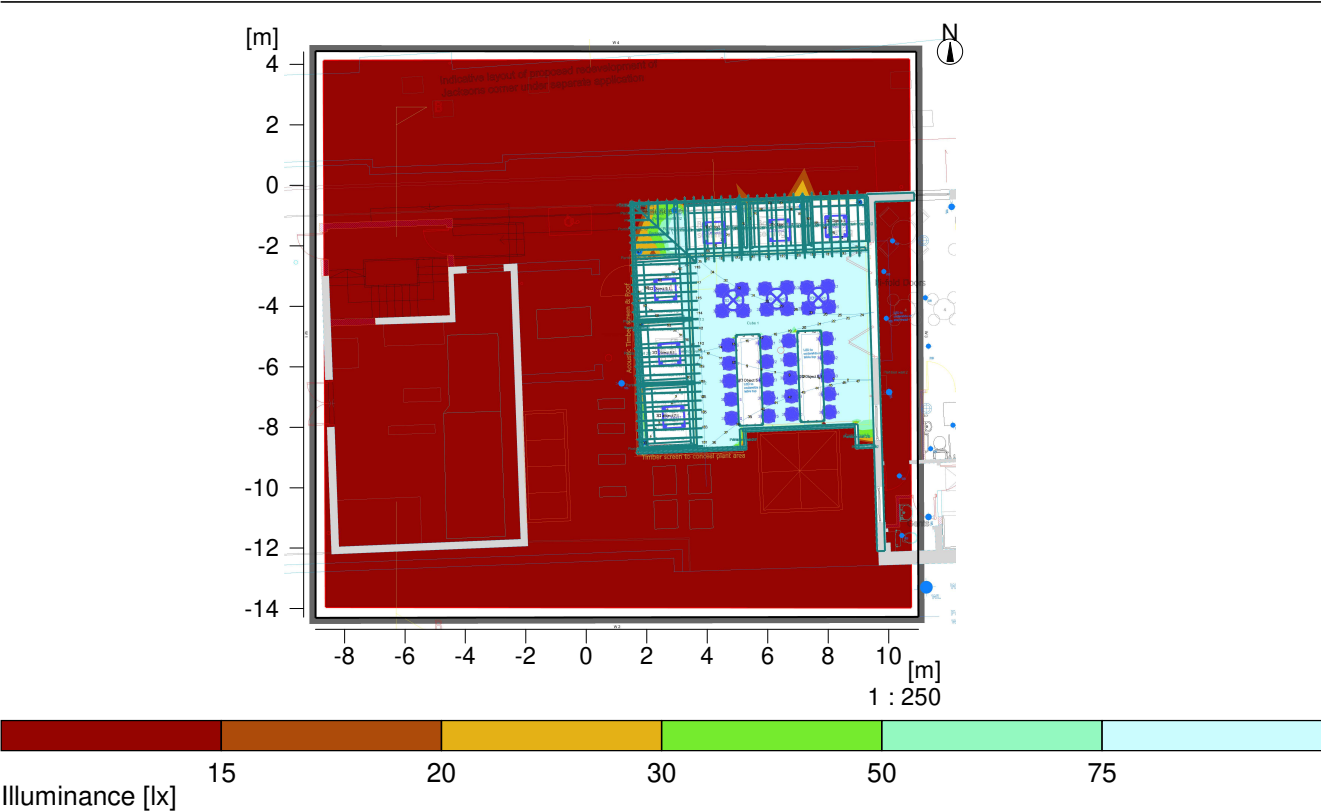
Illuminance [lx]

Height of the reference plane

Average illuminance	Eav	: 0.00 m
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 730 lx
Uniformity Uo	Emin/Eav	: 1 : 155.79 (0.01)
Diversity Ud	Emin/Emax	: 1 : 2983.76 (0.00)

1.3 Calculation results, Room 1

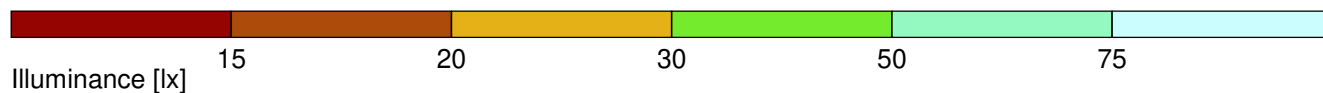
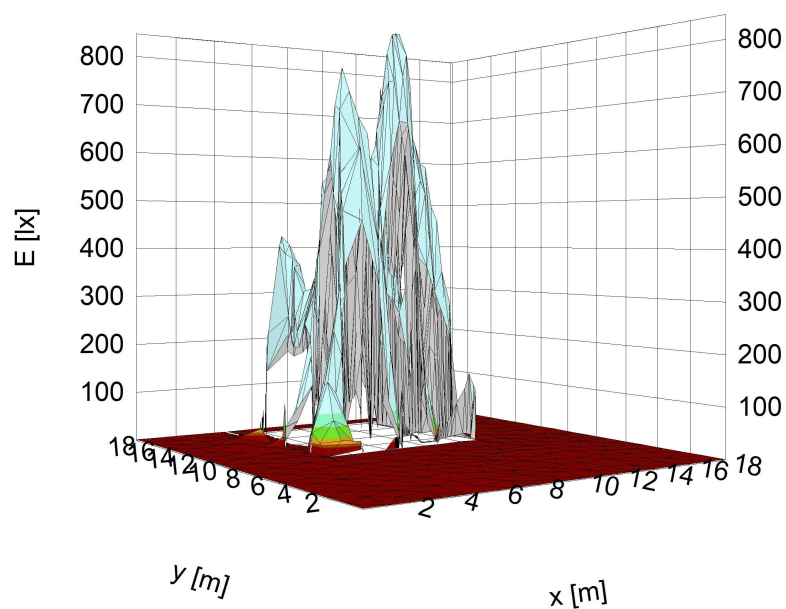
1.3.5 Pseudo colours, Reference plane 1 (E)



Height of the reference plane		: 0.00 m
Average illuminance	Eav	: 38 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 730 lx
Uniformity Uo	Emin/Eav	: 1 : 155.79 (0.01)
Diversity Ud	Emin/Emax	: 1 : 2983.76 (0.00)

1.3 Calculation results, Room 1

1.3.6 3D mountain plot, Reference plane 1 (E)



1.3 Calculation results, Room 1

1.3.7 3D luminance, View 1

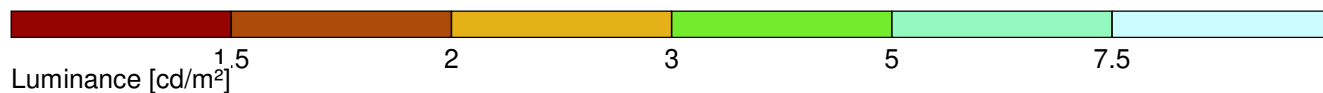
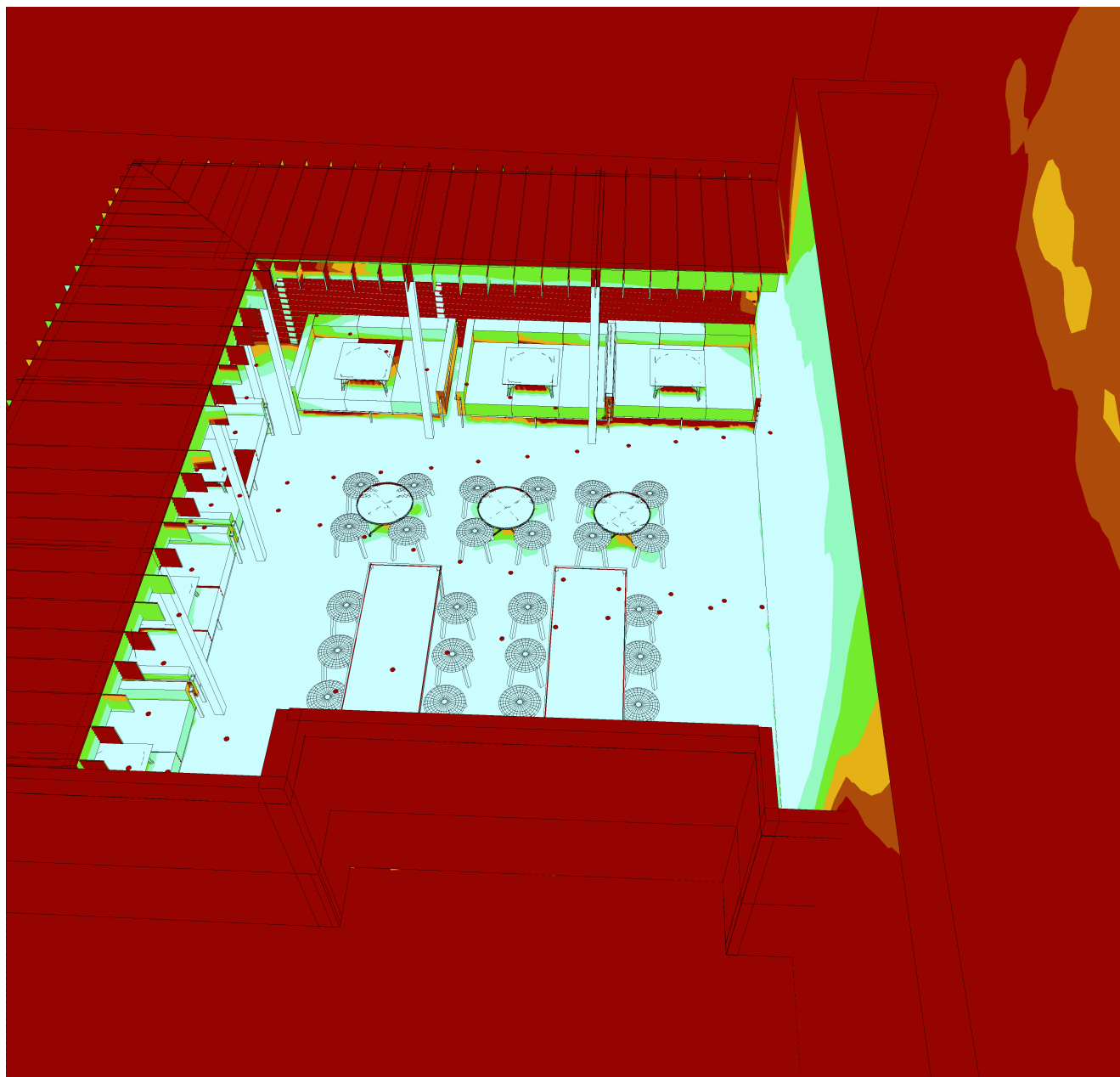


Luminance in the scene

Minimum: : 0 cd/m²
Maximum: : 447 cd/m²

1.3 Calculation results, Room 1

1.3.8 3D pseudo colours, View 1 (L)



1.3 Calculation results, Room 1

1.3.9 3D pseudo colours, View 1 (E)

