

sala lettura

Installation :

Project number : 01

Customer : silvia saggese

Processed by :

Date : 24.06.2012

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.

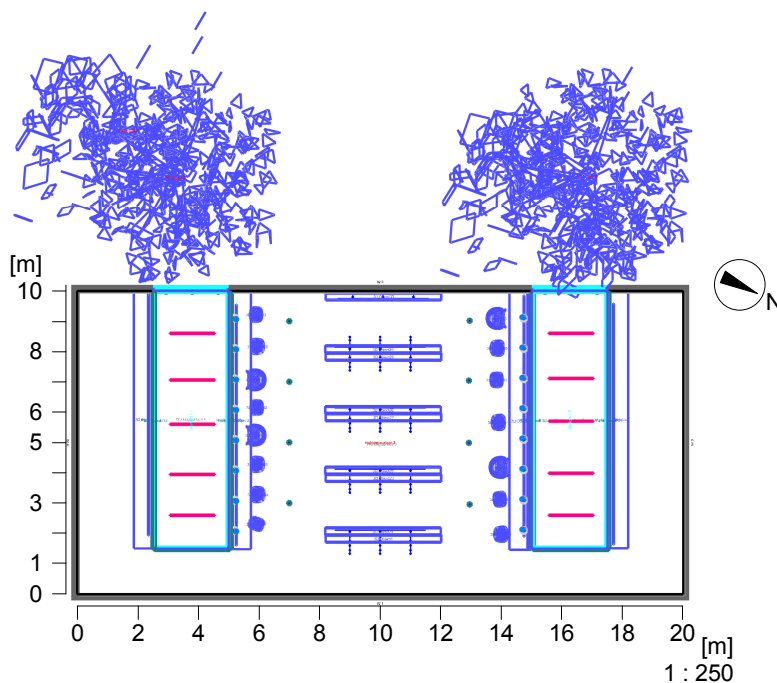
Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

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1 Room 1

1.1 Description, Room 1

1.1.1 Floor plan



Wall	x	y	Length	Reflectance	Structural elements
1	20.00 m	0.00 m	20.00 m	75.0 %	Pi : Pillar Tr : Partition Wo : Real working surface m : Virtual measuring area S : Virtual measuring area W : Picture Wi : Window DF : Door F : Furniture

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1 Room 1

1.1 Description, Room 1

1.1.1 Floor plan

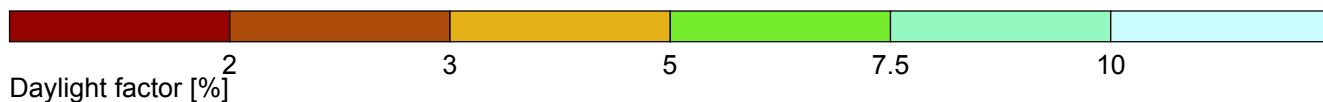
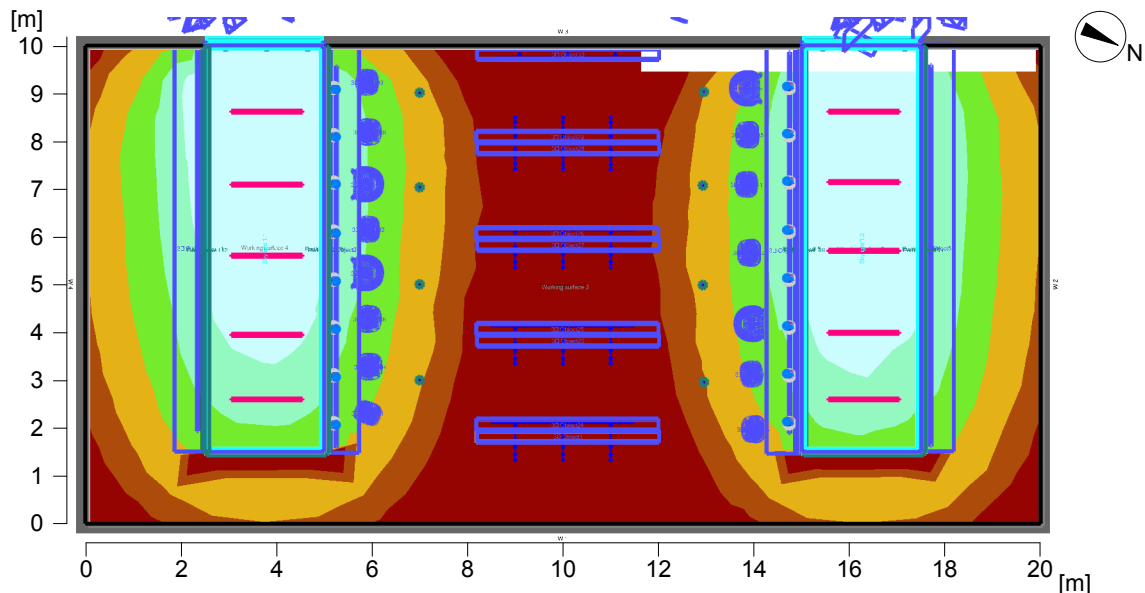
2	20.00 m	10.00 m	10.00 m	75.0 %
3	0.00 m	10.00 m	20.00 m	75.0 %
4	0.00 m	0.00 m	10.00 m	75.0 %
Floor				20.0 %
Ceiling				70.0 %
Room height		9.00 m		
Height of reference plane		4.75 m		

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1.2 Summary, Room 1

1.2.1 Result overview, Reference plane 1



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	4.75 m
Calculation mode used:	Overcast sky acc. CIE
Date, Time:	21.03. 10:28 (TST 09:51)

Geographical data:

Location	: rom
Latitude (degrees)	: 47.50 °
Longitude (degrees)	: 7.60 °
North angle	: 116.00 °

Daylight factor:

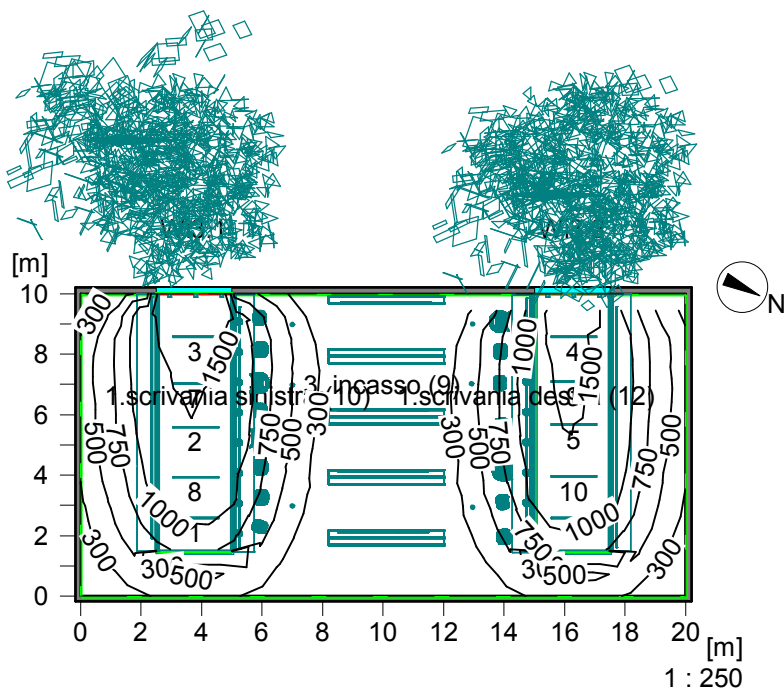
Average daylight ratio	Dav	: 5.4
Minimum daylight ratio	Dmin	: 0.6
Maximum daylight ratio	Dmax	: 18.4

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1.3 Calculation results, Room 1

1.3.1 Isolines representation, Reference plane 1 (E)



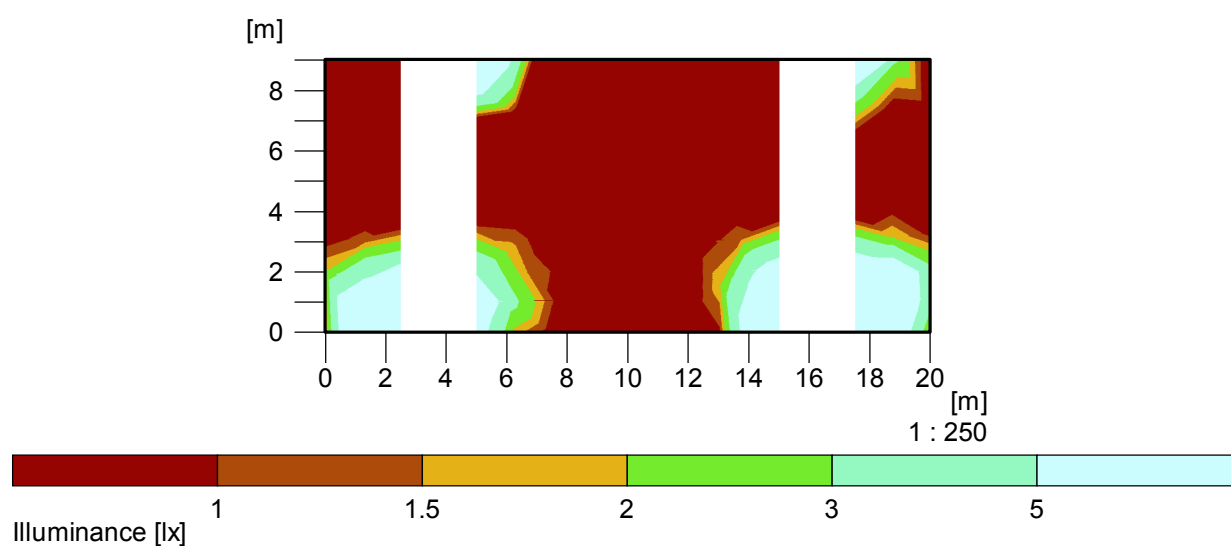
Illuminance [lx]

Height of the reference plane	:	4.75 m
Average illuminance	Eav	: 656 lx
Minimum illuminance	Emin	: 75 lx
Maximum illuminance	E _{max}	: 2240 lx
Uniformity g1	Emin/Eav	: 1 : 8.77 (0.11)
Uniformity g2	Emin/E _{max}	: 1 : 30.00 (0.03)
Date, Time	:	21.03. 10:28 (TST 09:51)

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1.3 Calculation results, Room 1

1.3.2 Pseudo colours, Wall No. 3 (E)

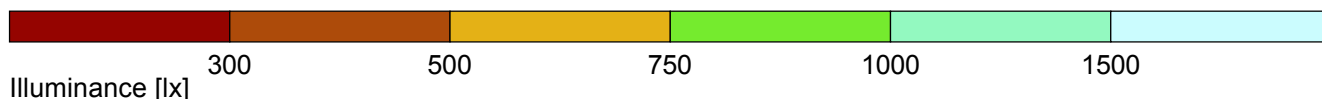
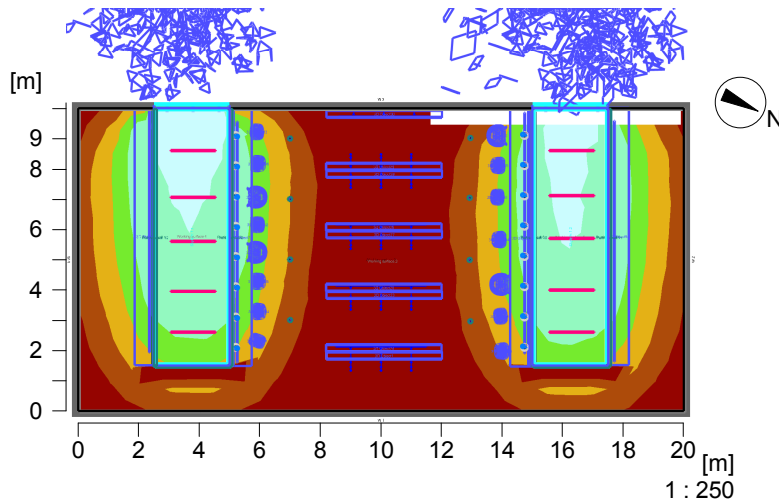


Average illuminance	Eav	: 1.9 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 17.2 lx
Uniformity g1	Emin/Eav	: ---
Uniformity g2	Emin/Emax	: ---
Date, Time		: 21.03. 10:28 (TST 09:51)

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1.3 Calculation results, Room 1

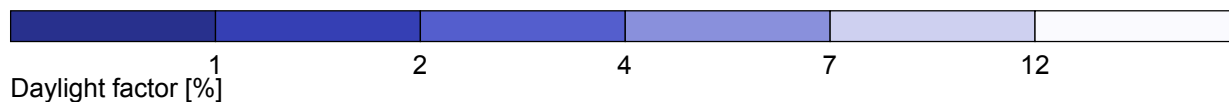
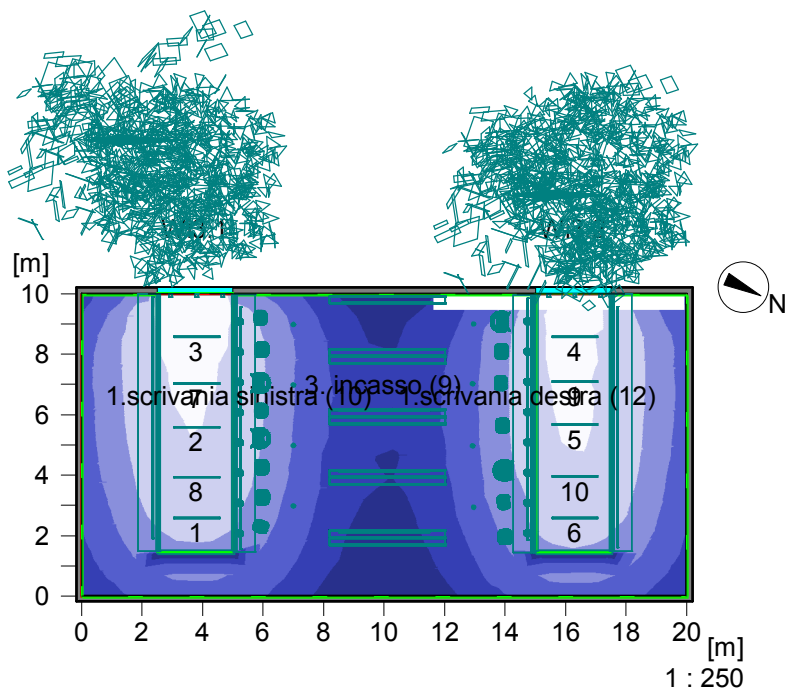
1.3.3 Pseudo colours, Reference plane 1 (E)



Height of the reference plane		: 4.75 m
Average illuminance	Eav	: 656 lx
Minimum illuminance	Emin	: 75 lx
Maximum illuminance	Emax	: 2240 lx
Uniformity g1	Emin/Eav	: 1 : 8.77 (0.11)
Uniformity g2	Emin/Emax	: 1 : 30.00 (0.03)
Date, Time		: 21.03. 10:28 (TST 09)

1.3 Calculation results, Room 1

1.3.4 Energy 2000 daylight declaration



Values on the reference plane, height 4.75 m

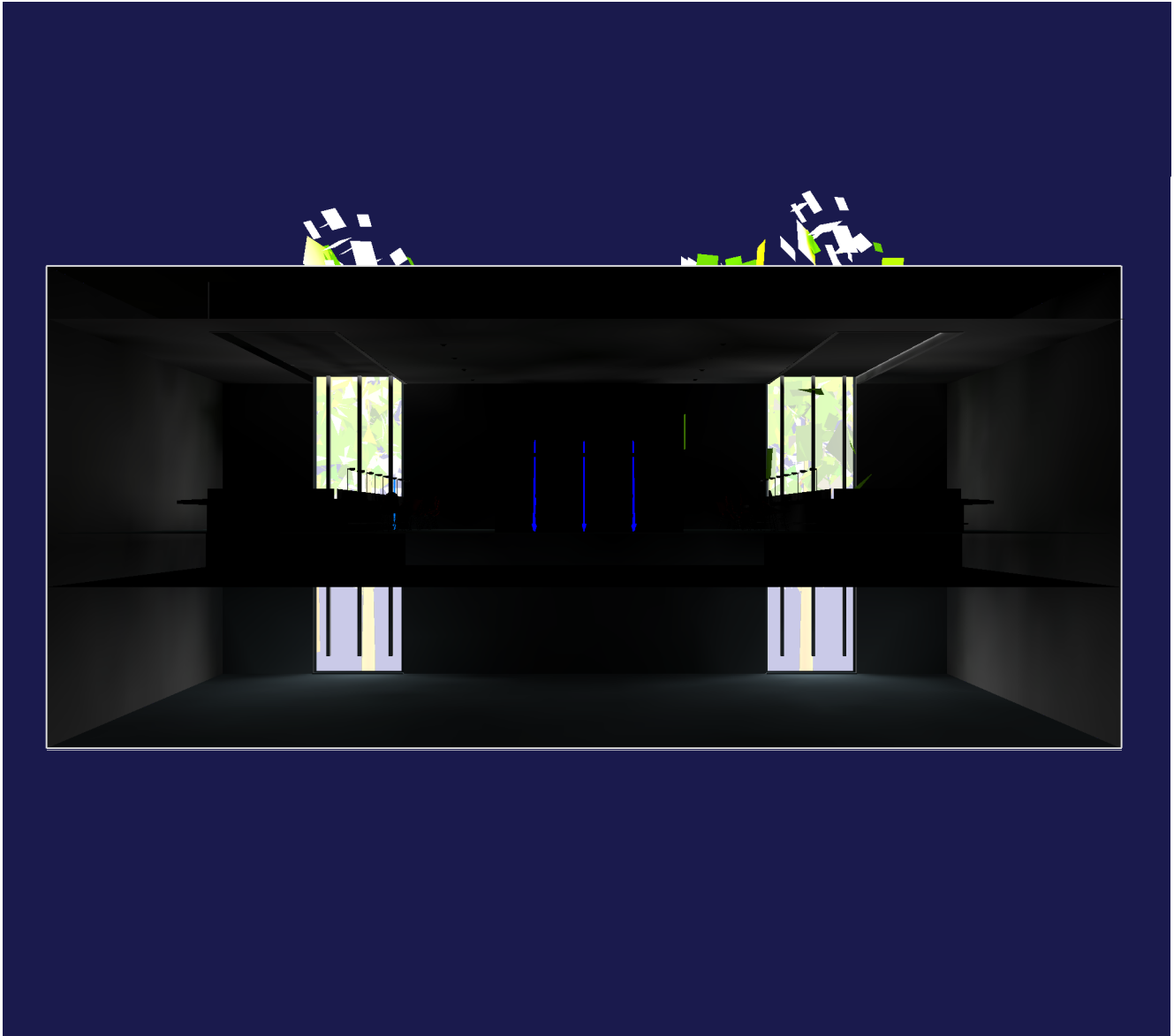
Zone 1 (> 12%)	15 m ²	8%
Zone 2 (7 ... 12%)	49 m ²	25%
Zone 3 (4 ... 7%)	36 m ²	19%
Zone 4 (2 ... 4%)	44 m ²	23%
Zone 5 (1 ... 2%)	36 m ²	19%
Zone 6 (< 1%)	15 m ²	8%
Total	195 m²	100%



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1.3 Calculation results, Room 1

1.3.5 3D luminance, View from the front



Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 3670 cd/m²

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1.3 Calculation results, Room 1

1.3.6 3D luminance, View from the left

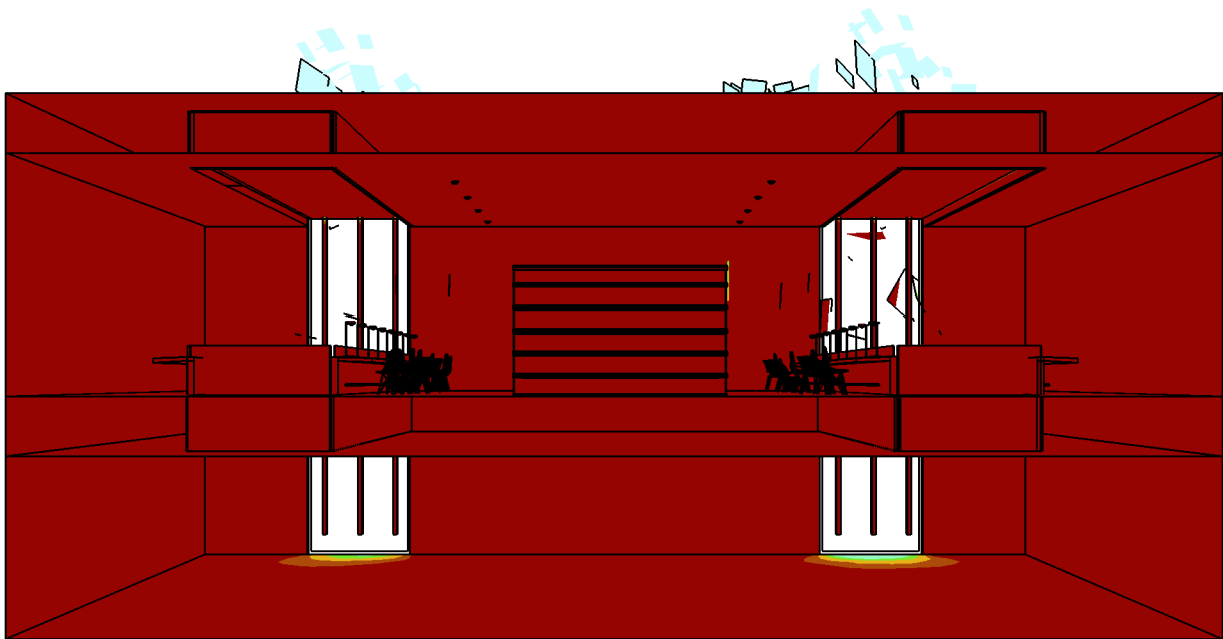


Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 3670 cd/m²

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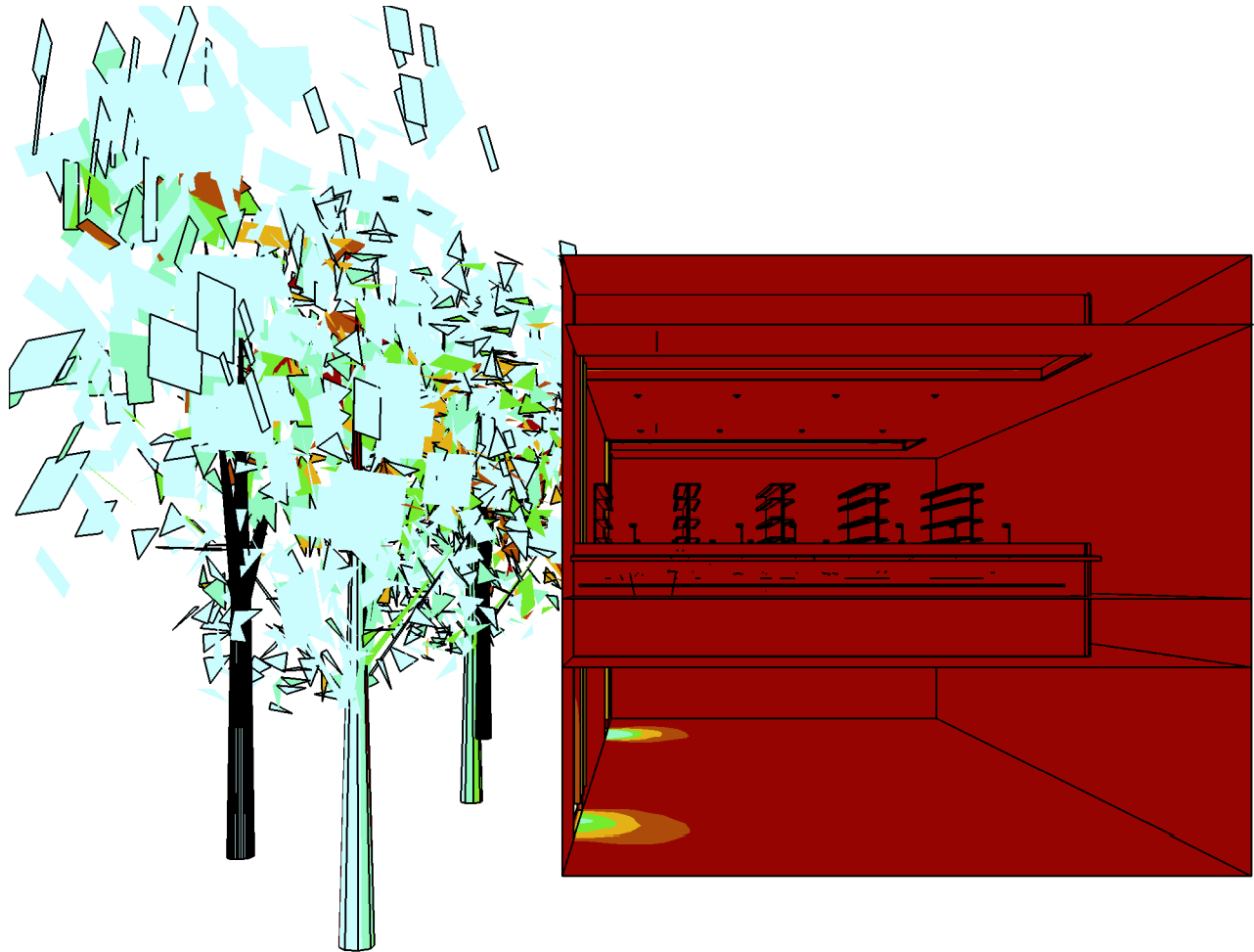
1.3 Calculation results, Room 1

1.3.7 3D pseudo colours, View from the front (E)



1.3 Calculation results, Room 1

1.3.8 3D pseudo colours, View from the left (E)

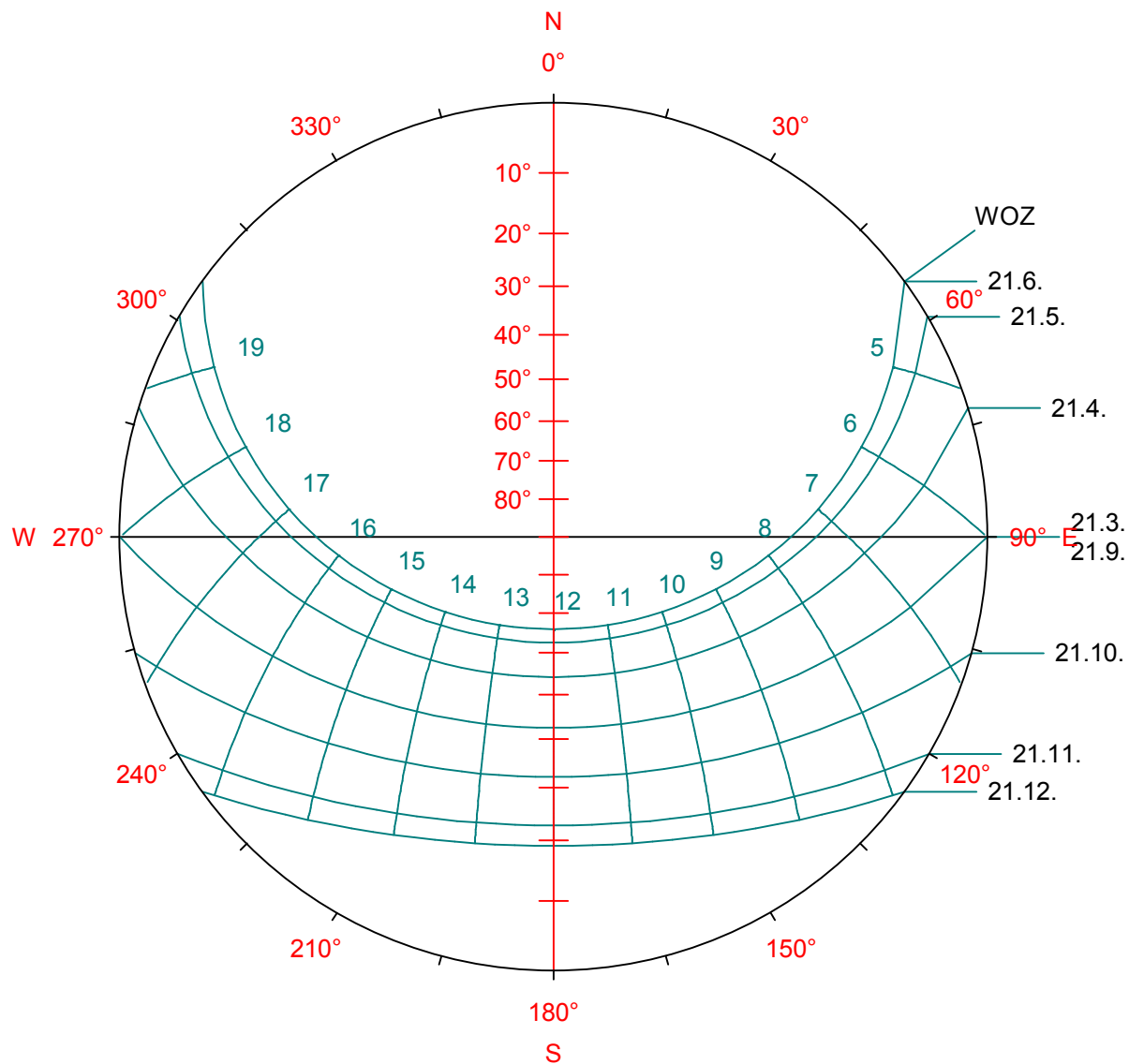


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1.4 Calculation results, Room 1

1.4.1 Solar altitude graph



Location : rom
Geographical latitude : 47.50 °
Geographical longitude : 7.60 °
North angle : 116.00 °

Test point:
x = 10.00 m
y = 5.00 m
z = 4.50 m