

18 Southampton Place Holborn

Installation :

Project number :

Customer : Spratley & Partners

Processed by : HSR

Date : 13.04.2022

Project description:

Maintenance Factor 0.81

Spill light Maintenance Factor 1

The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.

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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1 Exterior 1

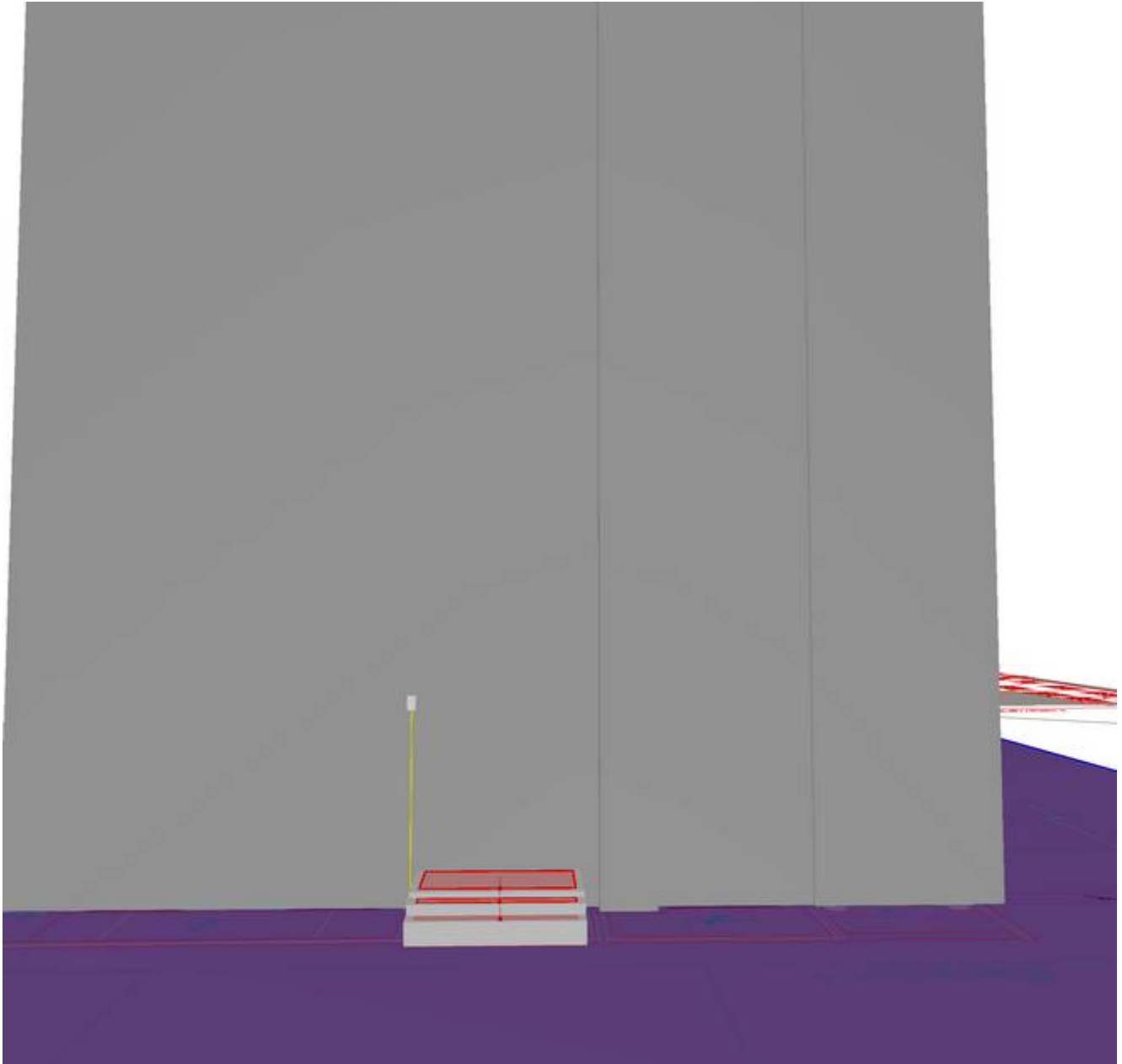
1.1 Description, Exterior 1

1.1.1 Floor plan



1.1 Description, Exterior 1

1.1.2 3D view, View 1

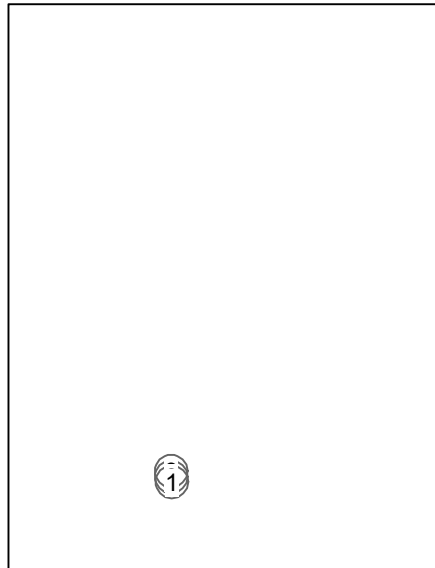


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1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Exterior 1



Horizontal illuminance

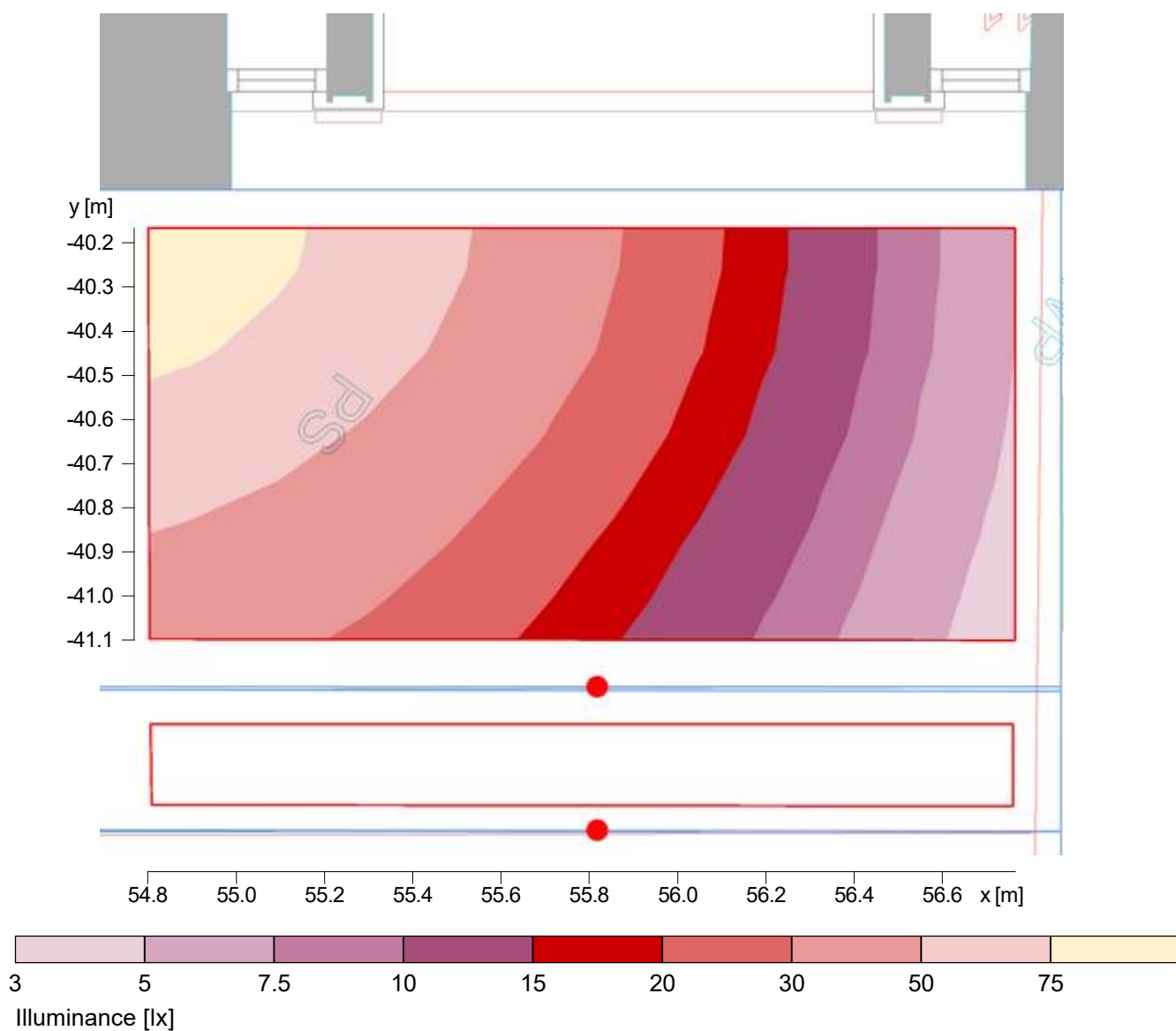
Measuring surface	X	Y	Z	E
Step 1	55.8 m	-41.8 m	0.32 m	6.95 lx
Step 2	55.8 m	-41.6 m	0.45 m	9.61 lx
Landing	55.8 m	-41.2 m	0.53 m	13.4 lx

Summary	Quantity	Em	Emin	Emax	Uo	Ud
Horizontal illuminance	3	10 lx	6.95 lx	13.4 lx	0.70	0.52

1 Exterior 1

1.3 Calculation results, Exterior 1

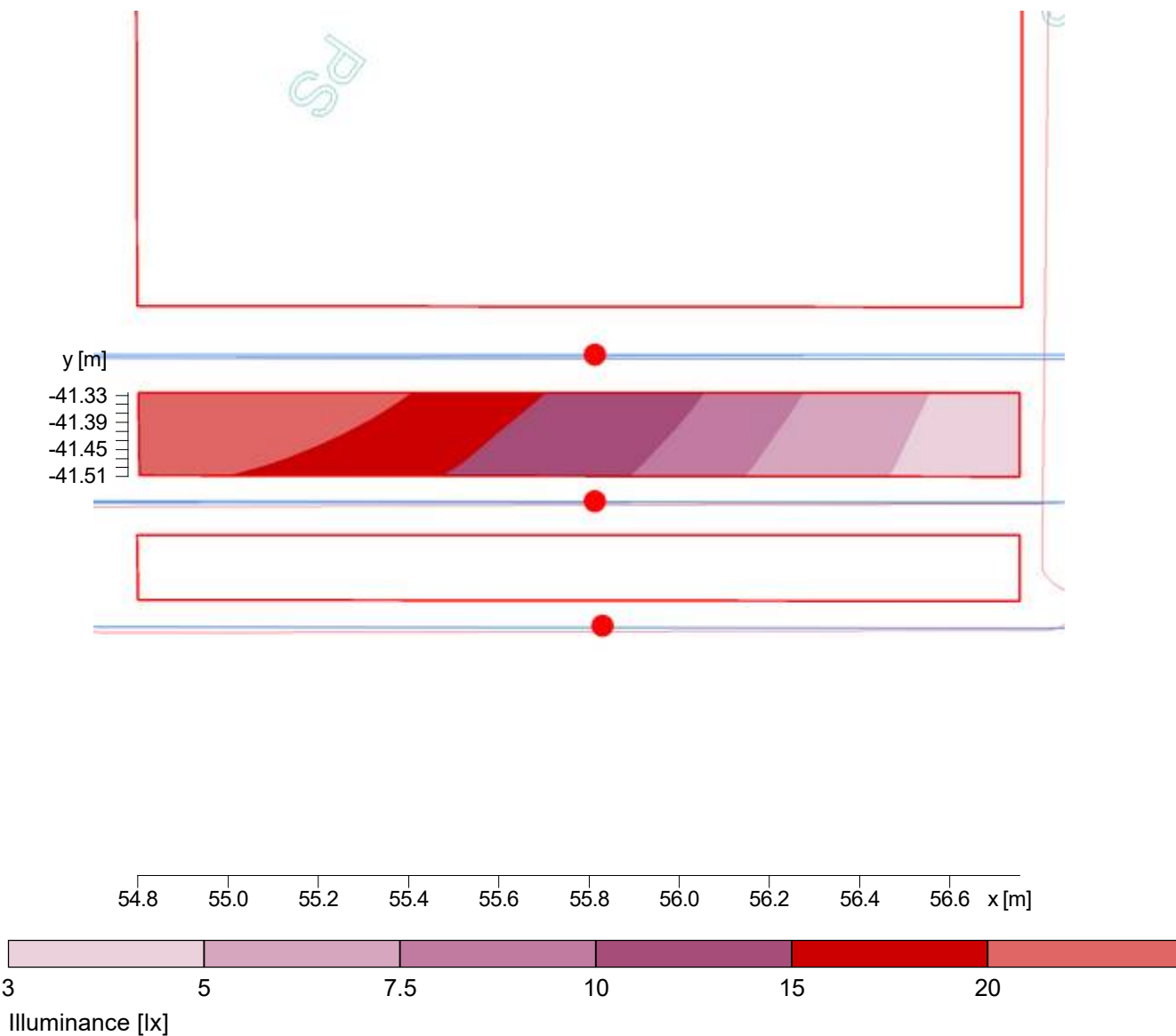
1.3.1 Pseudo colours, Landing (E)



Height reference plane		: 0.50 m
Average illuminance	Em	: 28.9 lx
Minimum illuminance	Emin	: 4.5 lx
Maximum illuminance	Emax	: 83.4 lx
Uniformity Uo	Emin/Em	: 1 : 6.40 (0.16)
Diversity Ud	Emin/Emax	: 1 : 18.48 (0.05)

1.3 Calculation results, Exterior 1

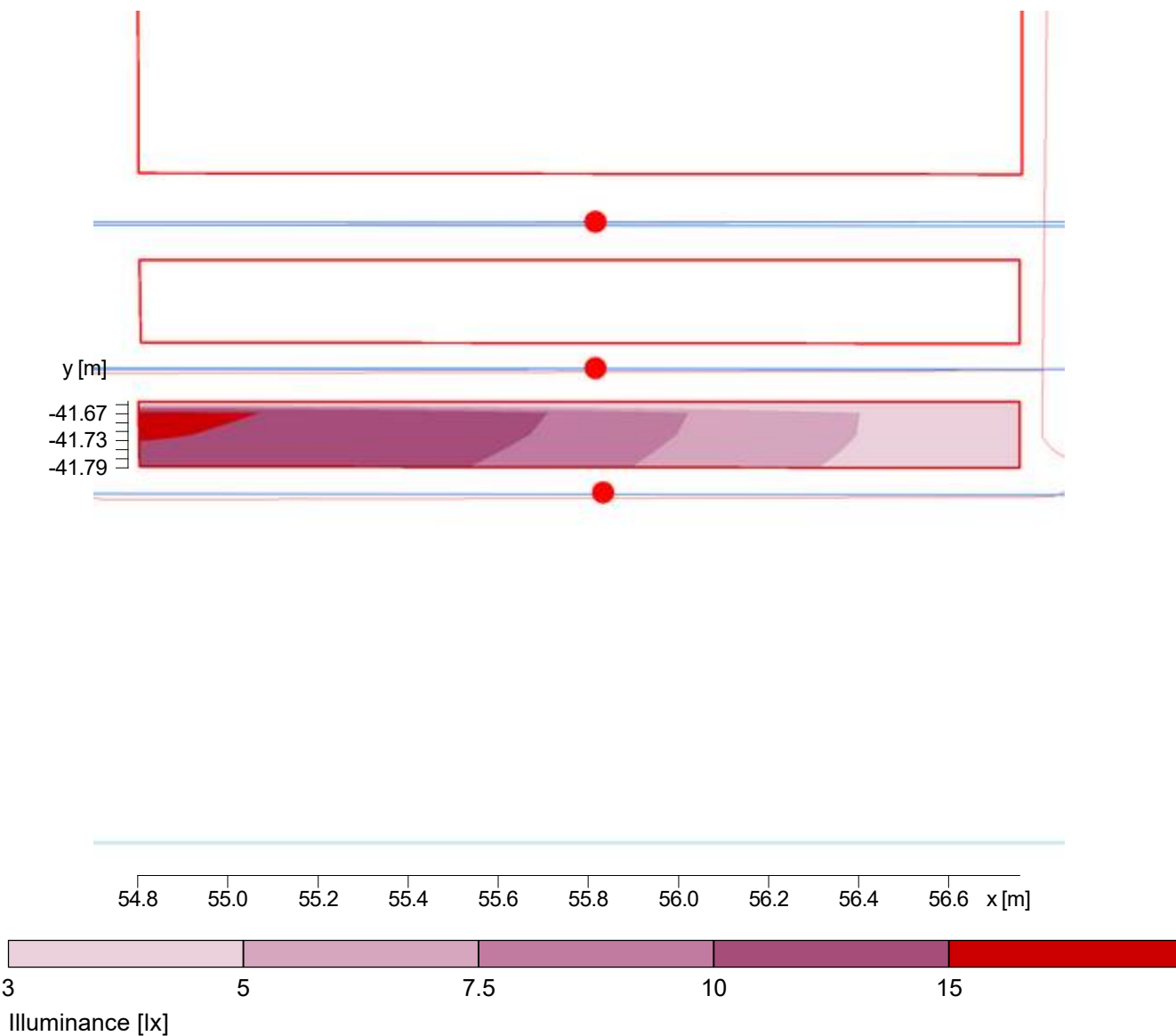
1.3.2 Pseudo colours, Step 2 (E)



Height reference plane		: 0.43 m
Average illuminance	Em	: 12.6 lx
Minimum illuminance	Emin	: 3.4 lx
Maximum illuminance	Emax	: 25.2 lx
Uniformity Uo	Emin/Em	: 1 : 3.75 (0.27)
Diversity Ud	Emin/Emax	: 1 : 7.50 (0.13)

1.3 Calculation results, Exterior 1

1.3.3 Pseudo colours, Step 1 (E)



Height reference plane		: 0.30 m
Average illuminance	Em	: 8.7 lx
Minimum illuminance	Emin	: 3 lx
Maximum illuminance	Emax	: 15.3 lx
Uniformity Uo	Emin/Em	: 1 : 2.90 (0.34)
Diversity Ud	Emin/Emax	: 1 : 5.09 (0.20)

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
2 Spill Light

2.1 Description, Spill Light

2.1.1 Luminaire data/Room elements

Product data:

Type No.\Make

BEGA
 1 1 x Order No. : !BE_33814K3.LDT
 Luminaire name : BEGA 33814K3 - KAZZAR LIGHTING
 Equipment : 1 x LED 6W 7 W / 437 lm

No.	Centre point			Rotation angle			Target coordinates		
	X [m]	Y [m]	Z [m]	Z [°]	C0 [°]	C90 [°]	Xa [m]	Ya [m]	Za [m]
BEGA BEGA 33814K3 - KAZZAR LIGHTING !BE_33814K3.LDT									
1	54.61	-40.18	2.63	270.00	0.00	0.00	54.61	-40.18	0.00

Structural elements

Measuring surface

No.	xm[m]	ym[m]	zm[m]	Length	Width	z axis	Rotation angle	
							L axis	Q axis
Horizontal Spill Light								
	47.00	-50.00	0.00	23.58	34.00	0.00	0.00	0.00

Others

No.	xm[m]	ym[m]	zm[m]	Length	Width	z axis	Rotation angle		
							L axis	Q axis	rho[%]
A 1	49.18	-40.11	0.00	13.88	23.55	89.12	0.00	0.00	30
A 2	54.69	-40.11	0.00	2.18	1.14	0.00	0.00	0.00	50
A 3	54.69	-41.24	0.00	2.18	0.33	0.00	0.00	0.00	50
A 4	54.69	-41.57	0.00	2.18	0.28	0.00	0.00	0.00	50

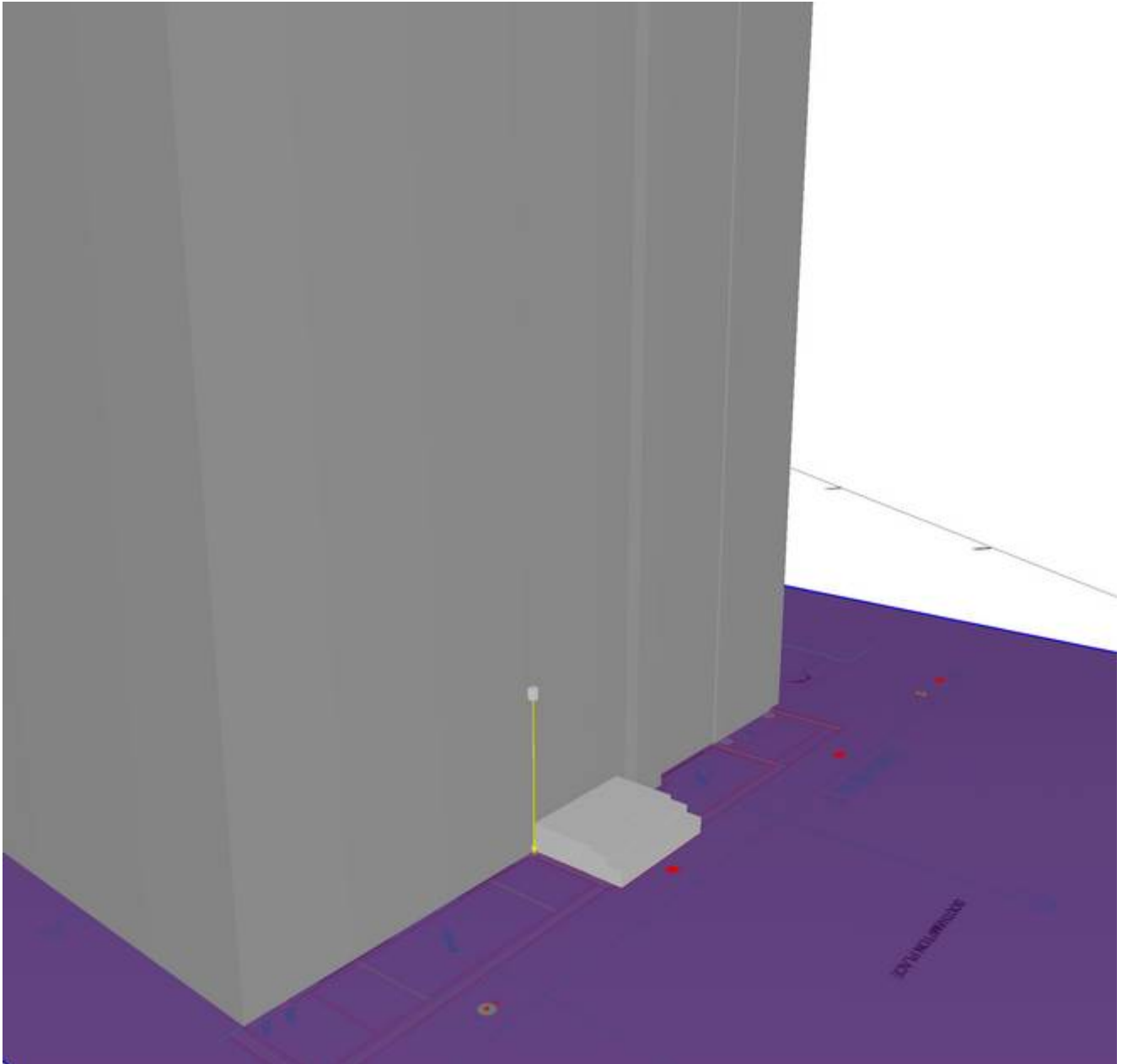
2.1 Description, Spill Light

2.1.2 Floor plan



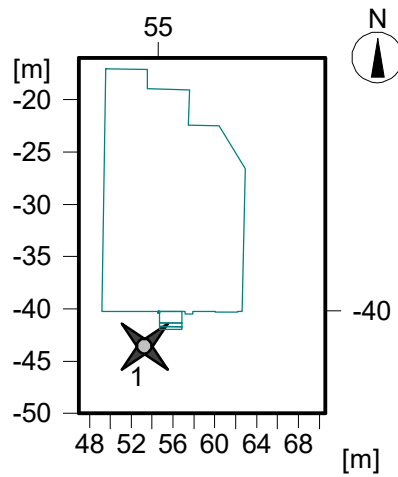
2.1 Description, Spill Light

2.1.3 3D view, View 1



2.1 Calculation results, Spill Light

2.1.4 Luminous intensity - I(p) 1



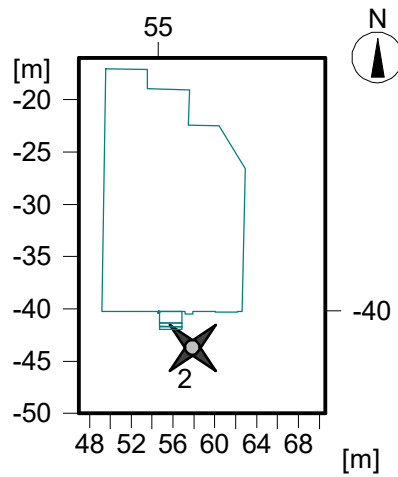
Measuring point for luminous intensity: I(p) 1

Position : x = 53.32 m, y = -43.65 m, z = 1.60 m

No luminaires with luminous intensities higher than 1 kcd found.

2.1 Calculation results, Spill Light

2.1.5 Luminous intensity - I(p) 2



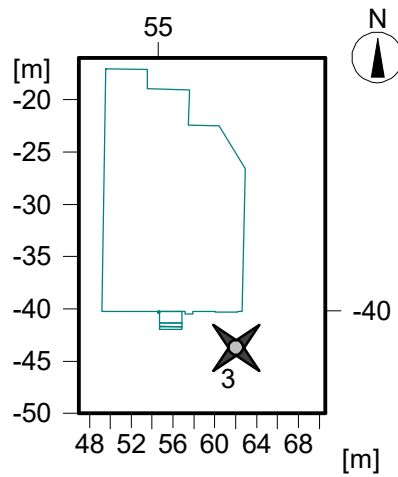
Measuring point for luminous intensity: I(p) 2

Position : x = 57.86 m, y = -43.74 m, z = 1.60 m

No luminaires with luminous intensities higher than 1 kcd found.

2.1 Calculation results, Spill Light

2.1.6 Luminous intensity - I(p) 3



Measuring point for luminous intensity: I(p) 3

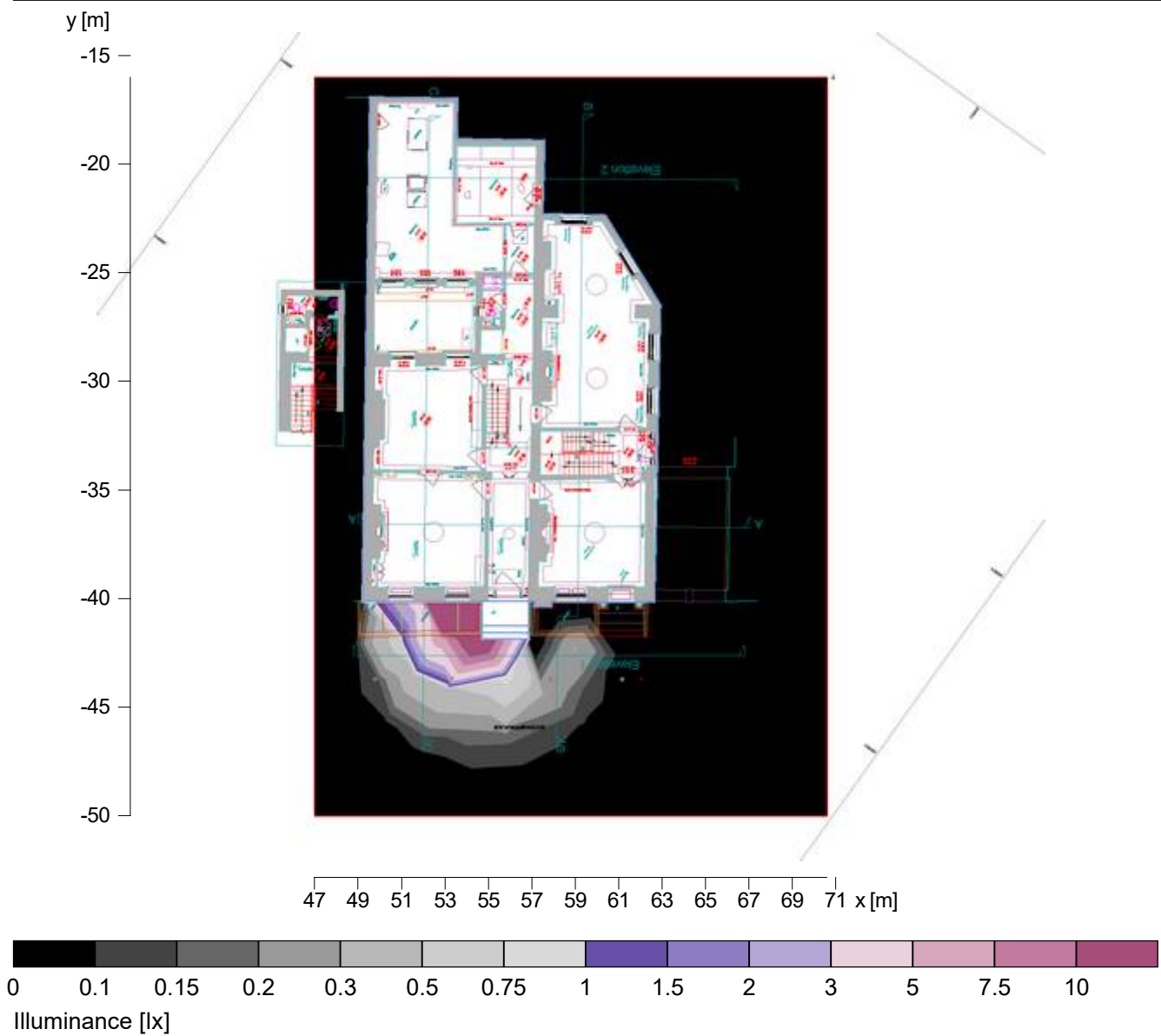
Position : x = 62.03 m, y = -43.71 m, z = 1.60 m

No luminaires with luminous intensities higher than 1 kcd found.

2 Spill Light

2.2 Calculation results, Spill Light

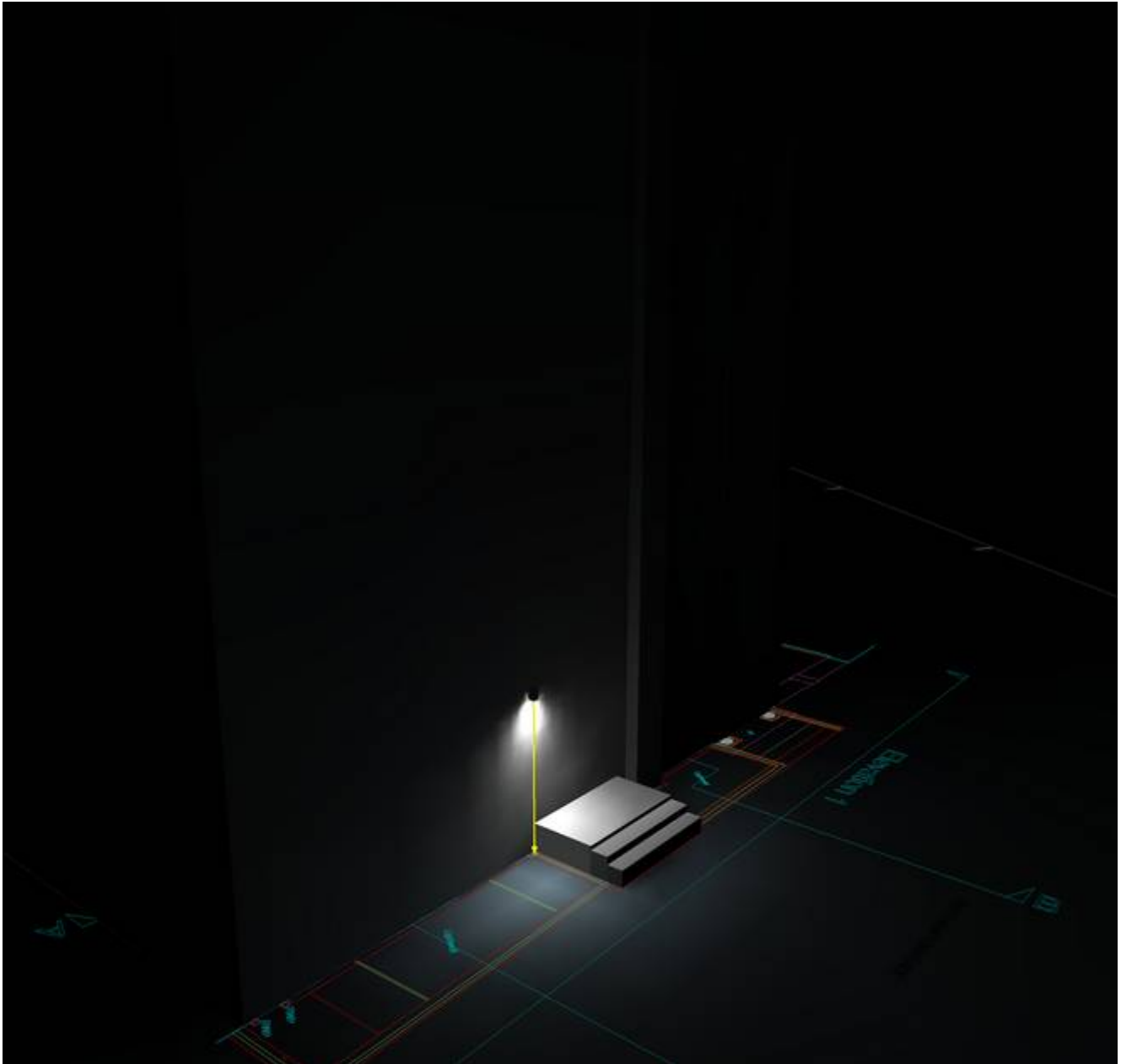
2.2.1 Pseudo colours, Horizontal Spill Light (E)



Height reference plane		: 0.00 m
Average illuminance	Em	: 0.2 lx
Minimum illuminance	Emin	: 0 lx
Maximum illuminance	Emax	: 12.9 lx
Uniformity Uo	Emin/Em	: ---
Diversity Ud	Emin/Emax	: ---

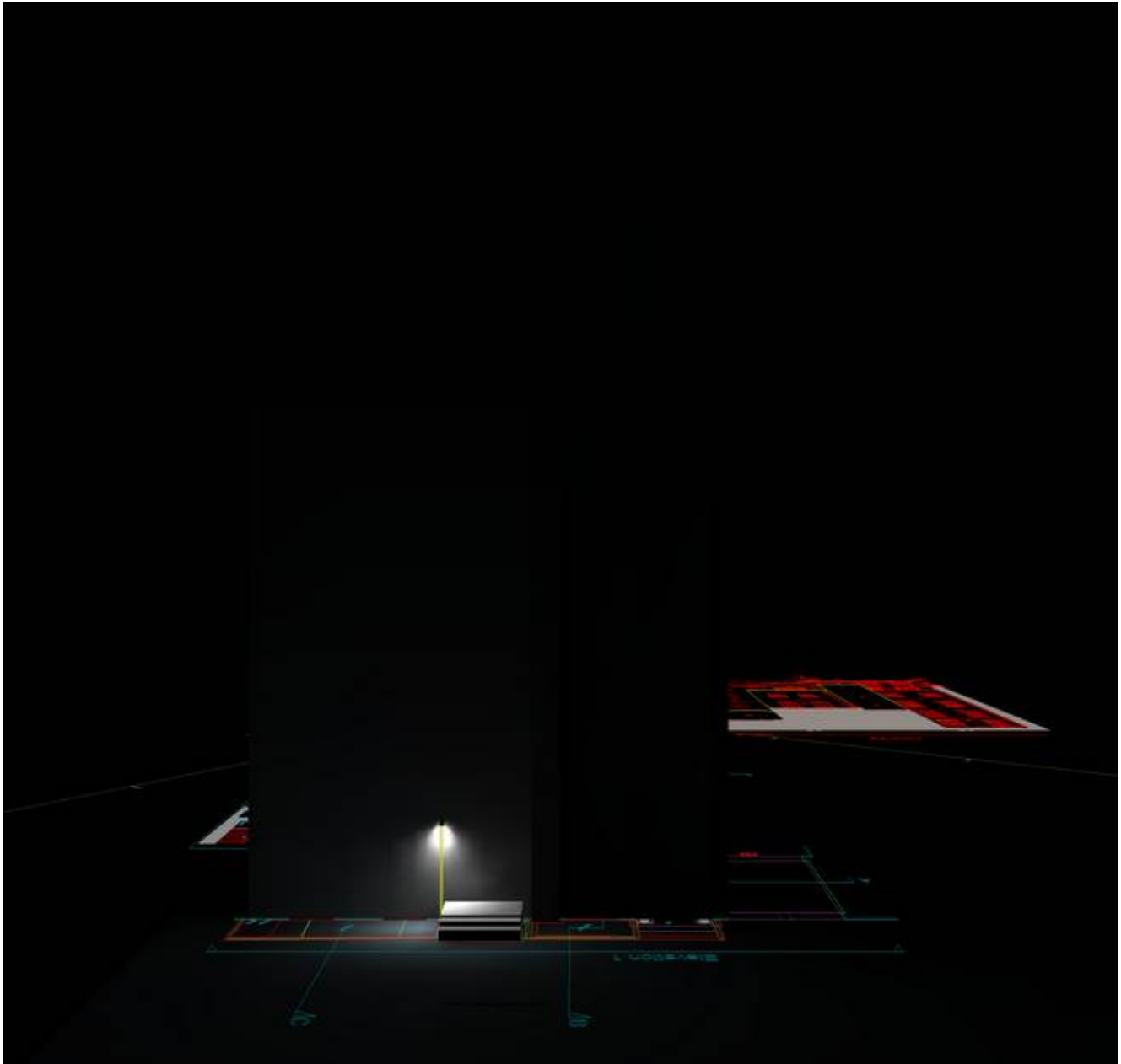
2.2 Calculation results, Spill Light

2.2.2 3D luminance, View 1



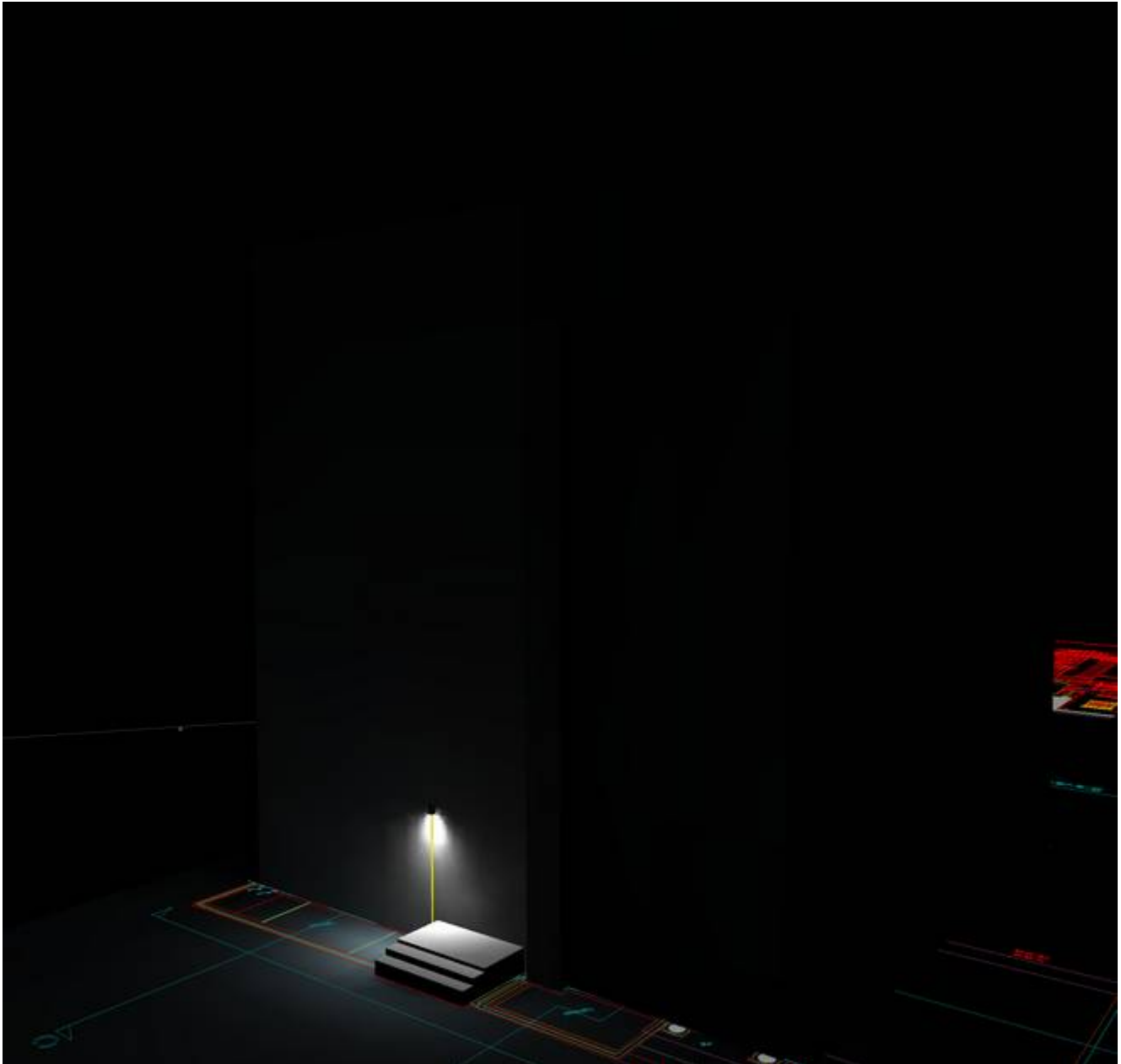
2.2 Calculation results, Spill Light

2.2.3 3D luminance, View from the front



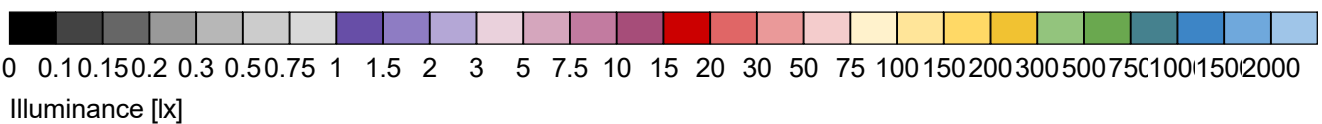
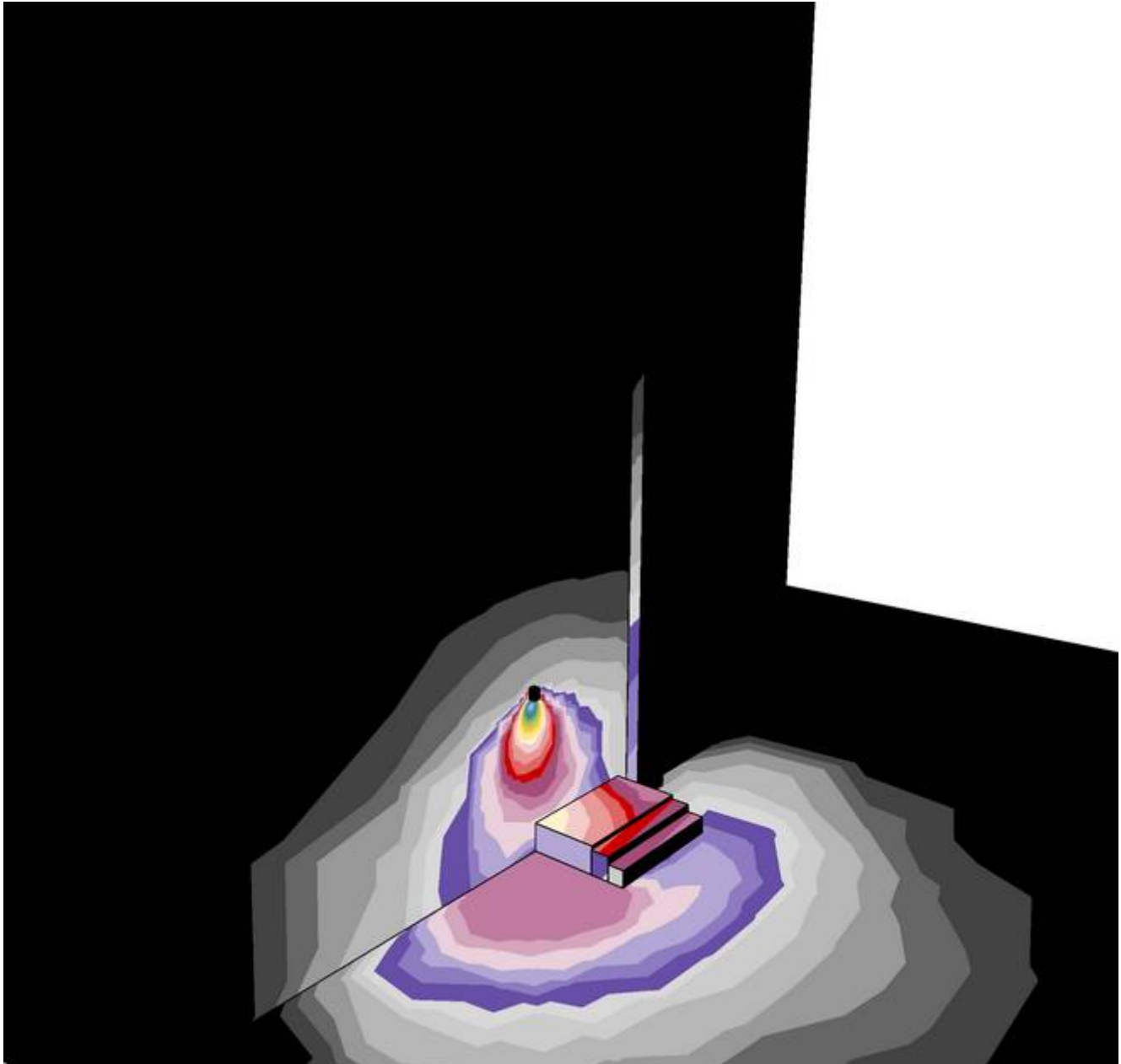
2.2 Calculation results, Spill Light

2.2.4 3D luminance, View 3



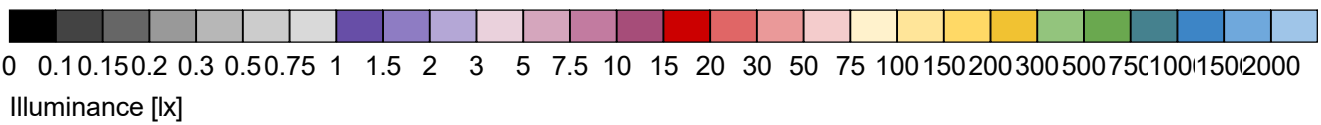
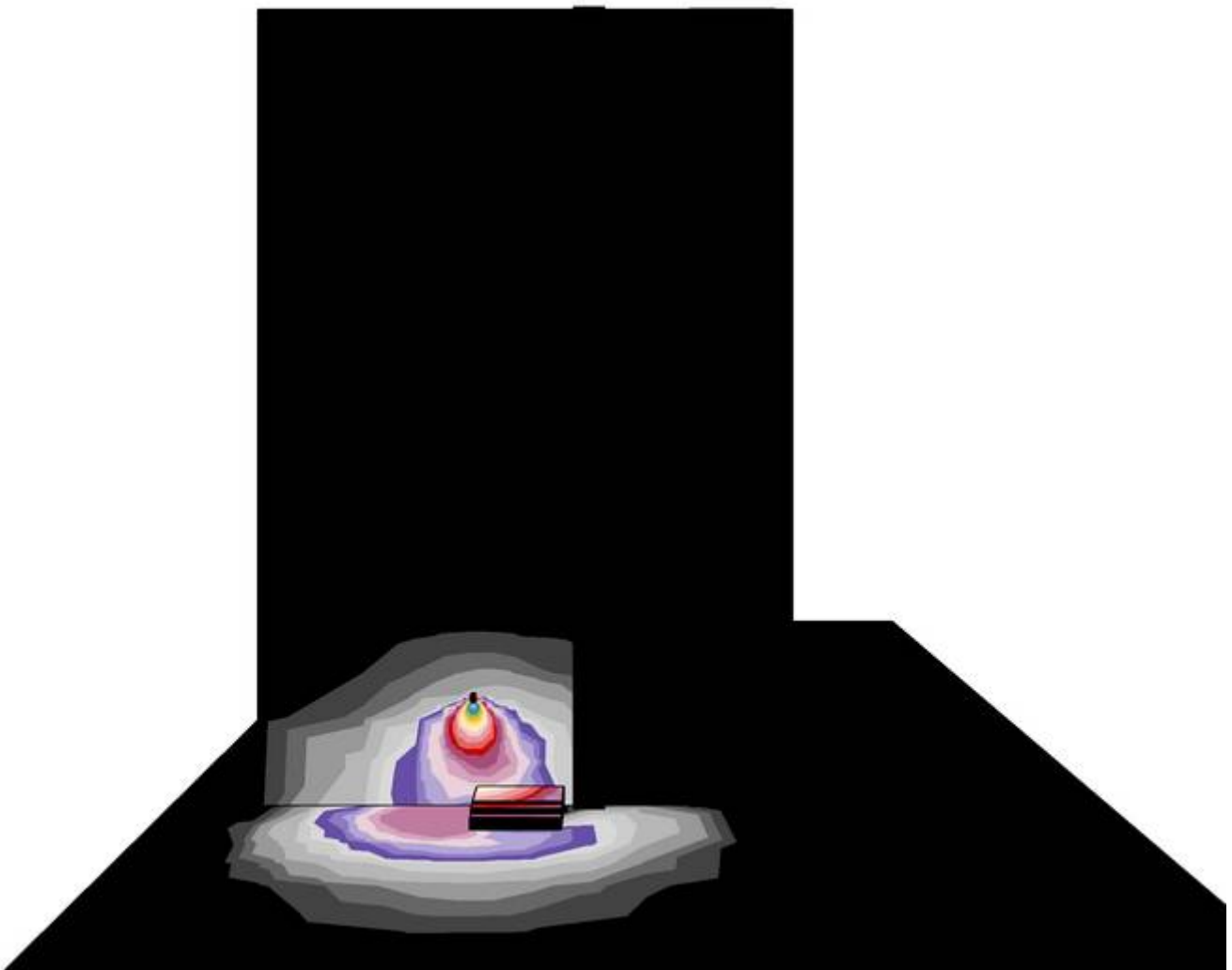
2.2 Calculation results, Spill Light

2.2.5 3D pseudo colours, View 1 (E)



2.2 Calculation results, Spill Light

2.2.6 3D pseudo colours, View from the front (E)



2.2 Calculation results, Spill Light

2.2.7 3D pseudo colours, View 3 (E)

