

HHC Chapel

Installation : External Lighting

Project number :

Customer : Performance Elec

Processed by : CA

Date : 29.06.2026

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.

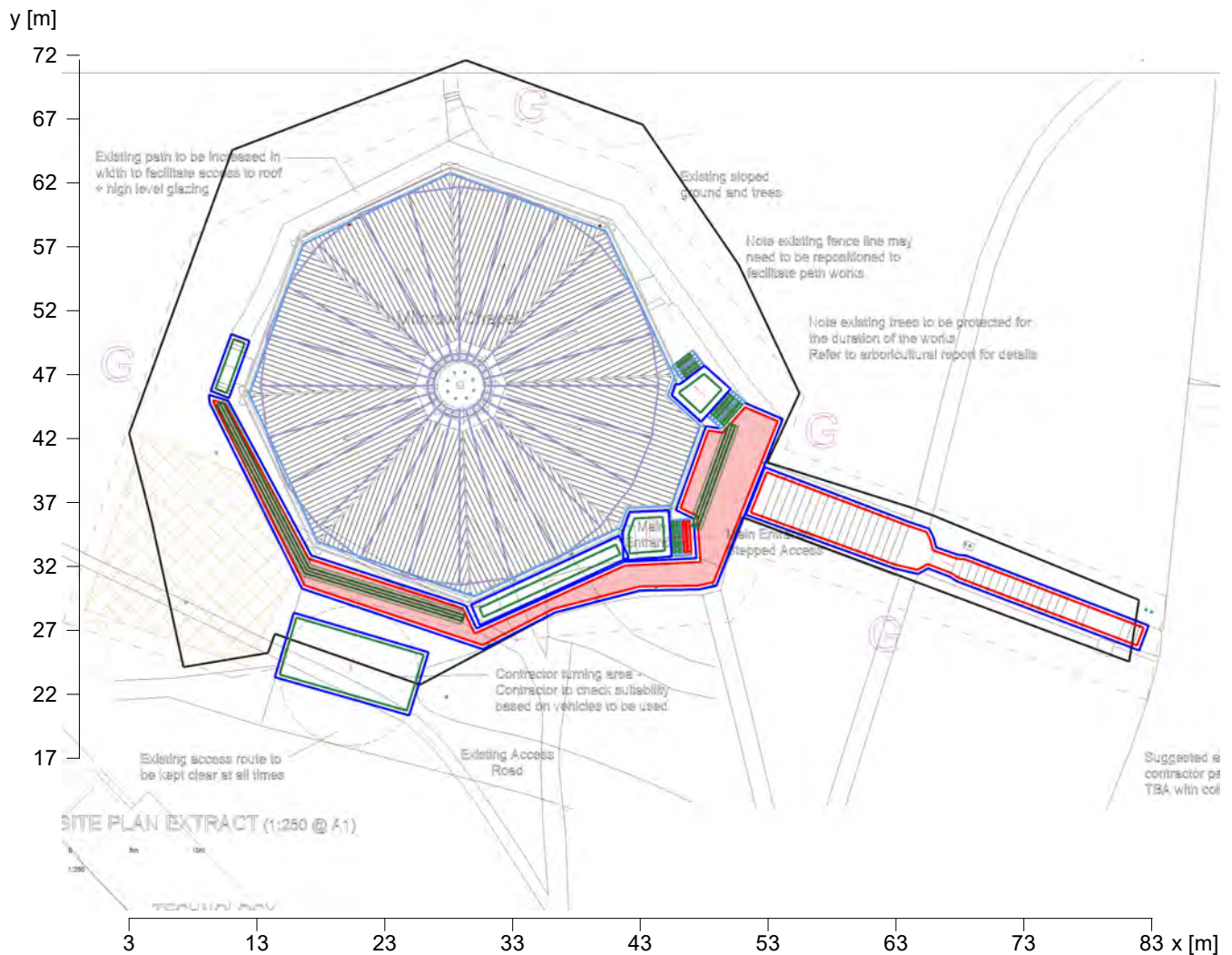
Object : HHC Chapel
Installation : External Lighting
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1 Exterior 1

1.1 Description, Exterior 1

1.1.1 Floor plan



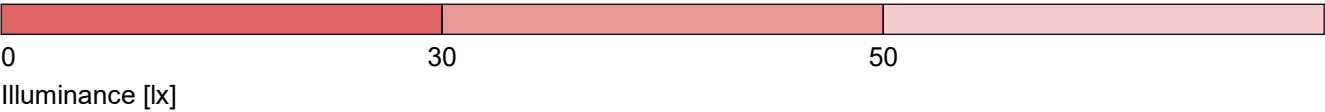
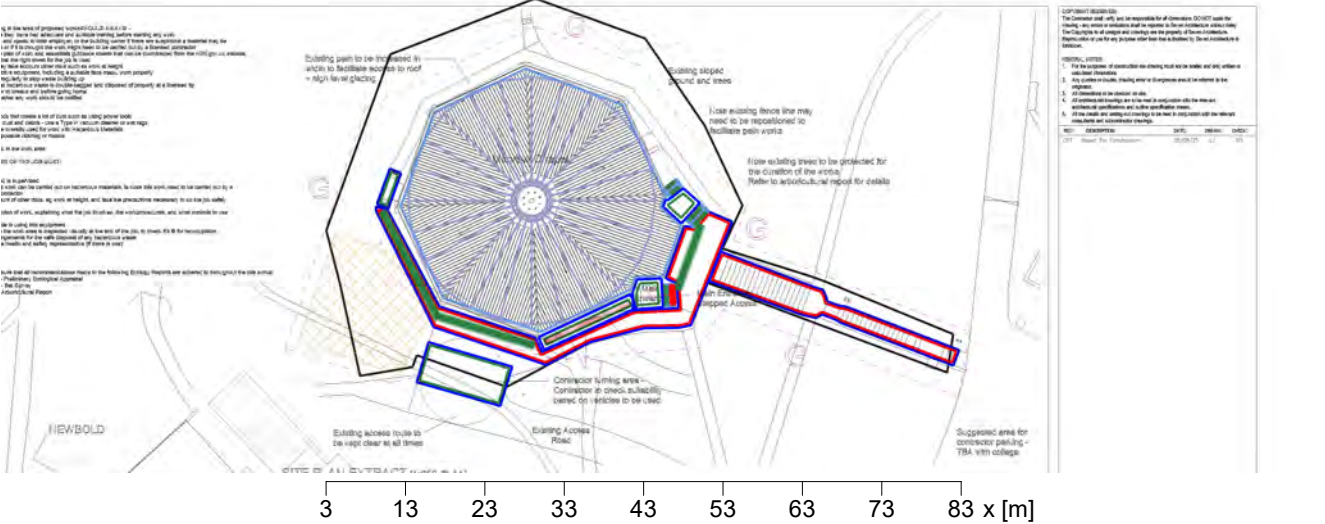
Object : HHC Chapel
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1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Evaluation area - Ramp



General

Calculation algorithm used	Average indirect fraction
Position	0.13 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area - Ramp

	Reference plane 1.1
	Horizontal
$\bar{E}_m$	47 lx
E_{min}	27 lx
$E_{min}/\bar{E}_m (U_o)$	0.57
$E_{min}/E_{max} (U_d)$	0.41
Position	-0.00 m (rot: 0°/-4.13°)

Major surfaces

$\bar{E}_m$	U_o
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Type No. Make

1	8E x	Ansell	
		Order No.	: AREFM/D/B/1 - 3000K
		Luminaire name	: WALL LIGHTS - Reef M
		Equipment	: 1 x LED 13.5 W / 1500 lm
		Emergency	: 150 lm (10.0 %)

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Object : HHC Chapel
Installation : External Lighting
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1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Evaluation area - Ramp

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

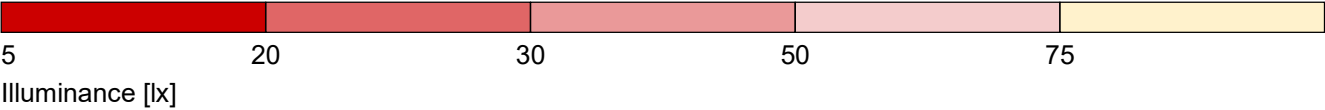
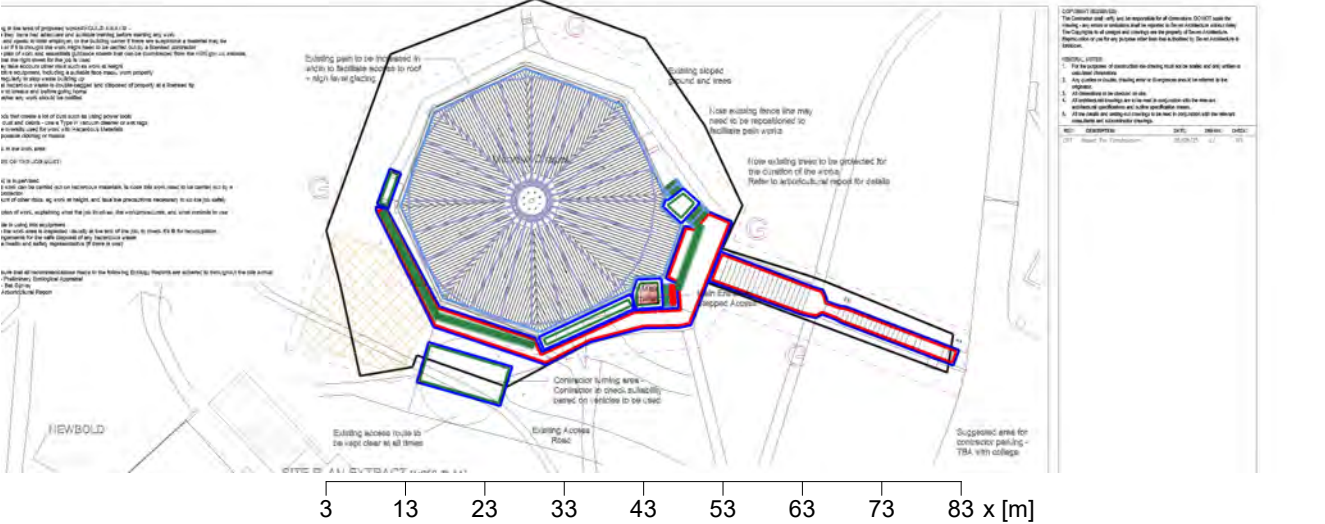
2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
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1.2 Summary, Exterior 1
1.2.2 Result overview, Evaluation area - Main Entrance



General	
Calculation algorithm used	Average indirect fraction
Position	1.06 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area - Main EntranceReference plane 2.1

	Horizontal
$\bar{E}_m$	49 lx
E_{min}	17.0 lx
$E_{min}/\bar{E}_m (U_o)$	0.34
$E_{min}/E_{max} (U_d)$	0.22
Position	0.00 m

Major surfaces	$\bar{E}_m$	U_o
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Type No. Make

Ansell	
1 8E x	Order No. : AREFM/D/B/1 - 3000K
	Luminaire name : WALL LIGHTS - Reef M
	Equipment : 1 x LED 13.5 W / 1500 lm
	Emergency : 150 lm (10.0 %)

-please put your own address here-

Object : HHC Chapel
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1.2 Summary, Exterior 1

1.2.2 Result overview, Evaluation area - Main Entrance

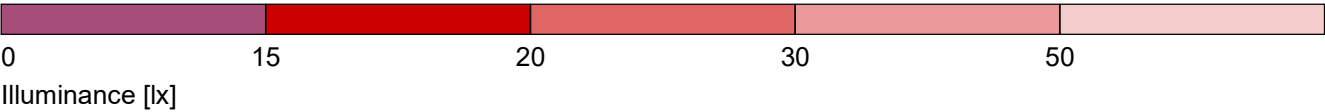
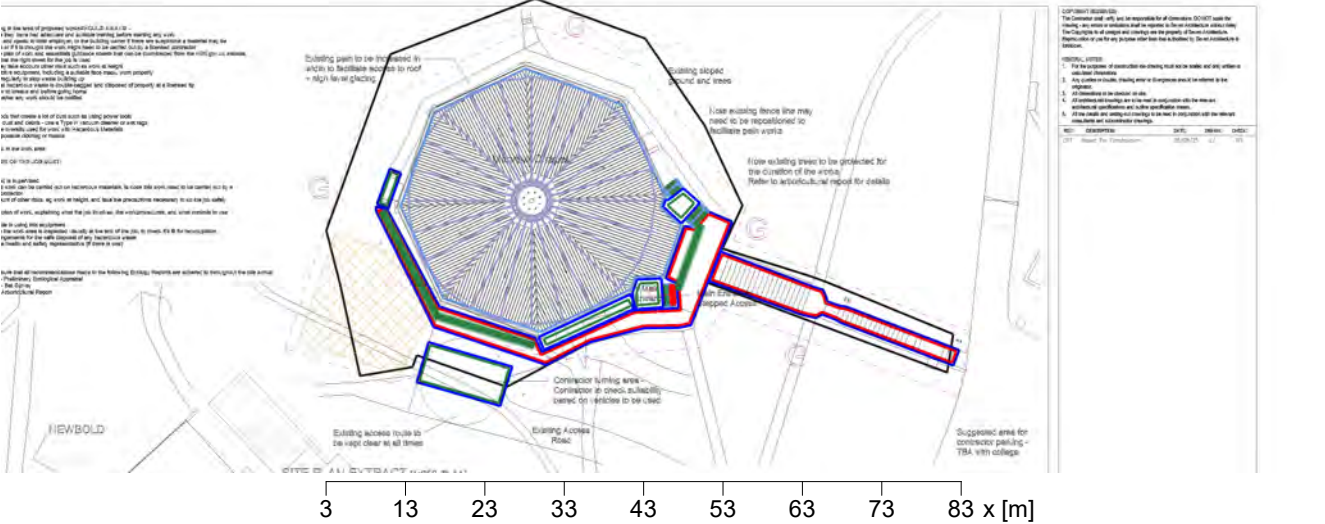
3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

Collingwood Lighting
2 2 x Order No. : FL05BPCS/CCT - 3000K - CRI 80
 Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

Kingfisher Lighting Ltd
4 7E x Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
 Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

1.2 Summary, Exterior 1

1.2.3 Result overview, Evaluation area 3



General

Calculation algorithm used

Position

Maintenance factor

Luminaire luminous flux

Average indirect fraction

1.00 m

0.80

0.00 lm

Evaluation area 3

Reference plane 3.1

Horizontal

$\bar{E}_m$

33 lx

E_{min}

11.4 lx

$E_{min}/\bar{E}_m (U_o)$

0.35

$E_{min}/E_{max} (U_d)$

0.17

Position

0.00 m

Major surfaces

$\bar{E}_m$

U_o

Type No. Make

1

8E x



Ansell

Order No.

: AREFM/D/B/1 - 3000K

Luminaire name

: WALL LIGHTS - Reef M

Equipment

: 1 x LED 13.5 W / 1500 lm

Emergency

: 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
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1.2 Summary, Exterior 1

1.2.3 Result overview, Evaluation area 3

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

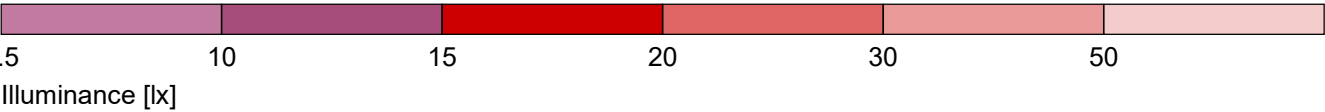
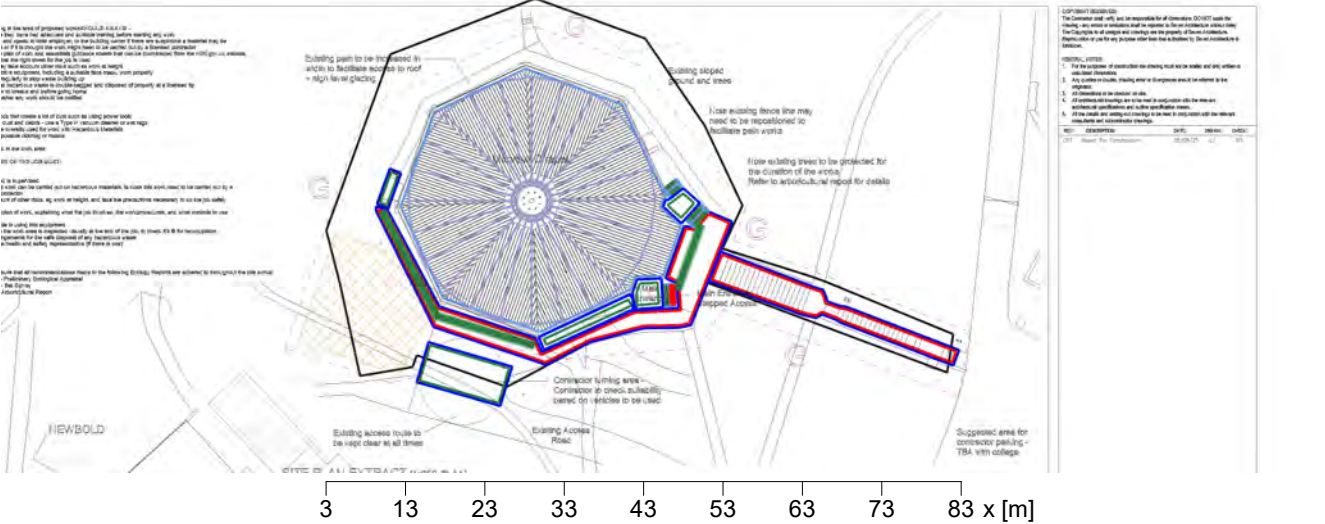
4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
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1.2 Summary, Exterior 1

1.2.4 Result overview, Evaluation area 4



General

Calculation algorithm used : Average indirect fraction
Position : 0.80 m
Maintenance factor : 0.80
Luminaire luminous flux : 0.00 lm

Evaluation area 4

Reference plane 4.1
Horizontal
 $\bar{E}_m$: 28 lx
 E_{min} : 9.78 lx
 $E_{min}/\bar{E}_m (U_o)$: 0.35
 $E_{min}/E_{max} (U_d)$: 0.18
Position : 0.00 m

Major surfaces

$\bar{E}_m$: U_o

Type No. Make

1 8E x Ansell
Order No. : AREFM/D/B/1 - 3000K
Luminaire name : WALL LIGHTS - Reef M
Equipment : 1 x LED 13.5 W / 1500 lm
Emergency : 150 lm (10.0 %)

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Object : HHC Chapel
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1.2 Summary, Exterior 1

1.2.4 Result overview, Evaluation area 4

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

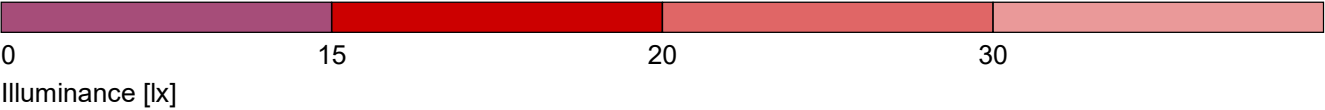
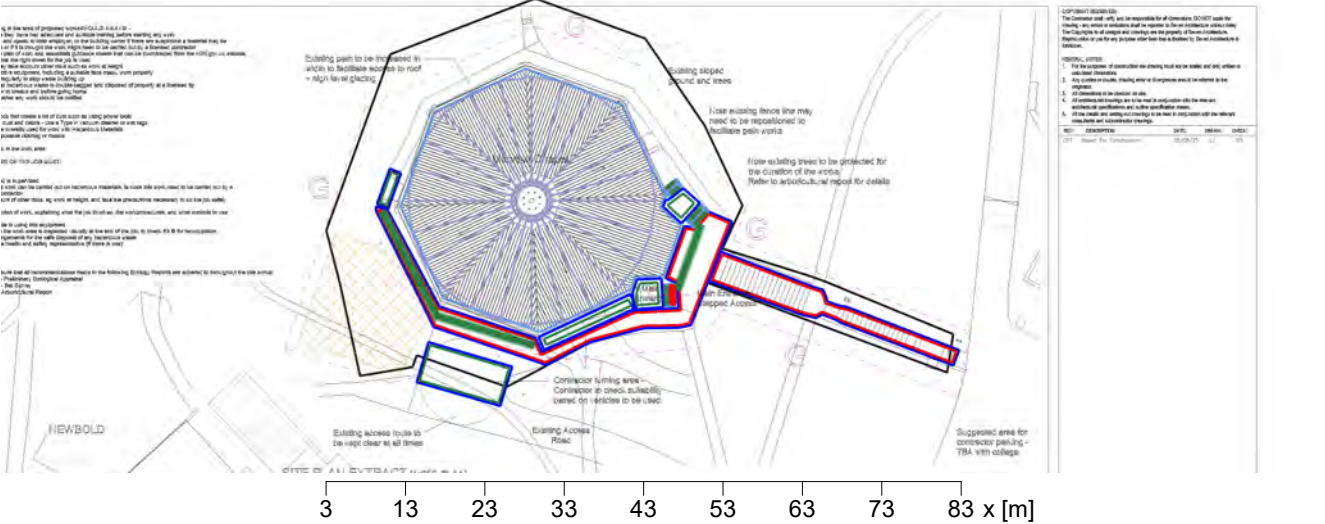
Collingwood Lighting
2 2 x Order No. : FL05BPCS/CCT - 3000K - CRI 80
 Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

Kingfisher Lighting Ltd
4 7E x Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
 Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
Installation : External Lighting
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1.2 Summary, Exterior 1
1.2.5 Result overview, Evaluation area 5



General
Calculation algorithm used
Position
Maintenance factor
Average indirect fraction
0.60 m
0.80
Luminaire luminous flux
0.00 lm

Evaluation area 5
 $\bar{E}_m$
 E_{min}
 $E_{min}/\bar{E}_m (U_o)$
 $E_{min}/E_{max} (U_d)$
Position
Reference plane 5.1
Horizontal
26 lx
10.5 lx
0.40
0.22
0.00 m

Major surfaces
 $\bar{E}_m$
 U_o

Type No. Make

1 8E x

Ansell
Order No. : AREFM/D/B/1 - 3000K
Luminaire name : WALL LIGHTS - Reef M
Equipment : 1 x LED 13.5 W / 1500 lm
Emergency : 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
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1.2 Summary, Exterior 1

1.2.5 Result overview, Evaluation area 5

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

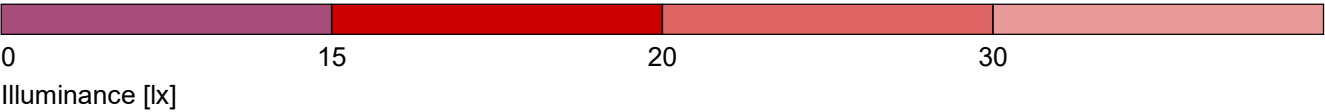
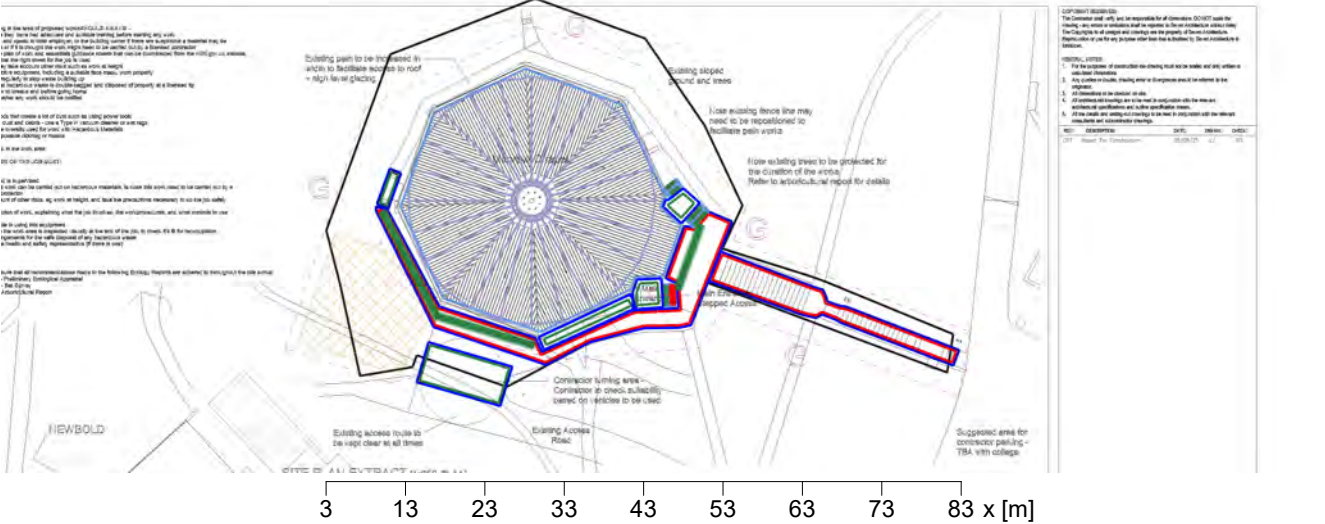
4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.6 Result overview, Evaluation area 6



General

Calculation algorithm used

Position

Maintenance factor

Luminaire luminous flux

Average indirect fraction

0.40 m

0.80

0.00 lm

Evaluation area 6

Reference plane 6.1

Horizontal

$\bar{E}_m$

26 lx

E_{min}

10.1 lx

$E_{min}/\bar{E}_m (U_o)$

0.38

$E_{min}/E_{max} (U_d)$

0.21

Position

0.40 m

Major surfaces

$\bar{E}_m$

U_o

Type No. Make

1

8E x



Ansell

Order No.

: AREFM/D/B/1 - 3000K

Luminaire name

: WALL LIGHTS - Reef M

Equipment

: 1 x LED 13.5 W / 1500 lm

Emergency

: 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.6 Result overview, Evaluation area 6

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

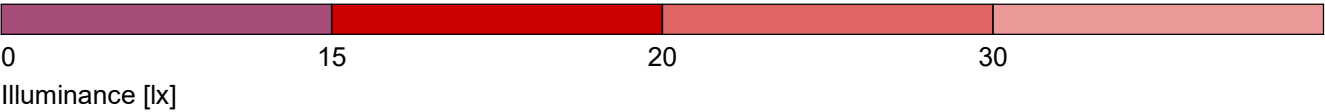
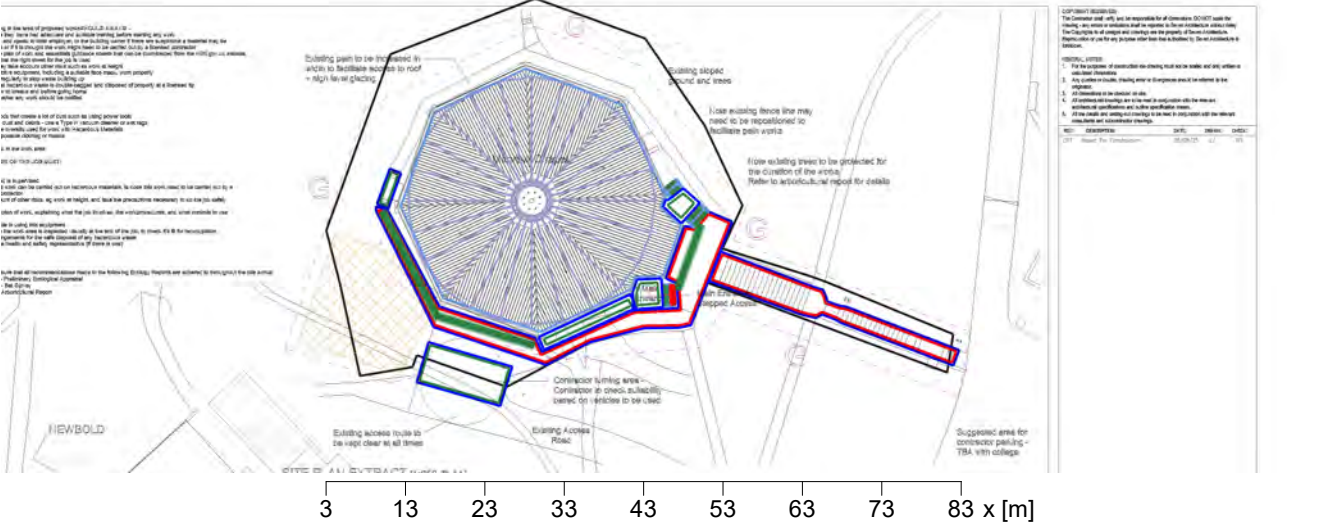
4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.7 Result overview, Evaluation area 7



General

Calculation algorithm used : Average indirect fraction
Position : 0.20 m
Maintenance factor : 0.80
Luminaire luminous flux : 0.00 lm

Evaluation area 7

$\bar{E}_m$: 23 lx
 E_{min} : 11.7 lx
 $E_{min}/\bar{E}_m (U_o)$: 0.50
 $E_{min}/E_{max} (U_d)$: 0.30
Position : 0.20 m

Reference plane 7.1

Horizontal

Major surfaces

$\bar{E}_m$: U_o

Type No. Make

1 8E x Ansell
Order No. : AREFM/D/B/1 - 3000K
Luminaire name : WALL LIGHTS - Reef M
Equipment : 1 x LED 13.5 W / 1500 lm
Emergency : 150 lm (10.0 %)

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Object : HHC Chapel
Installation : External Lighting
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1.2 Summary, Exterior 1

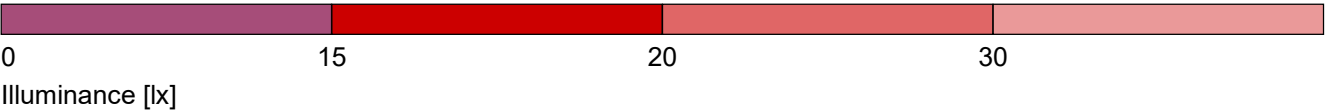
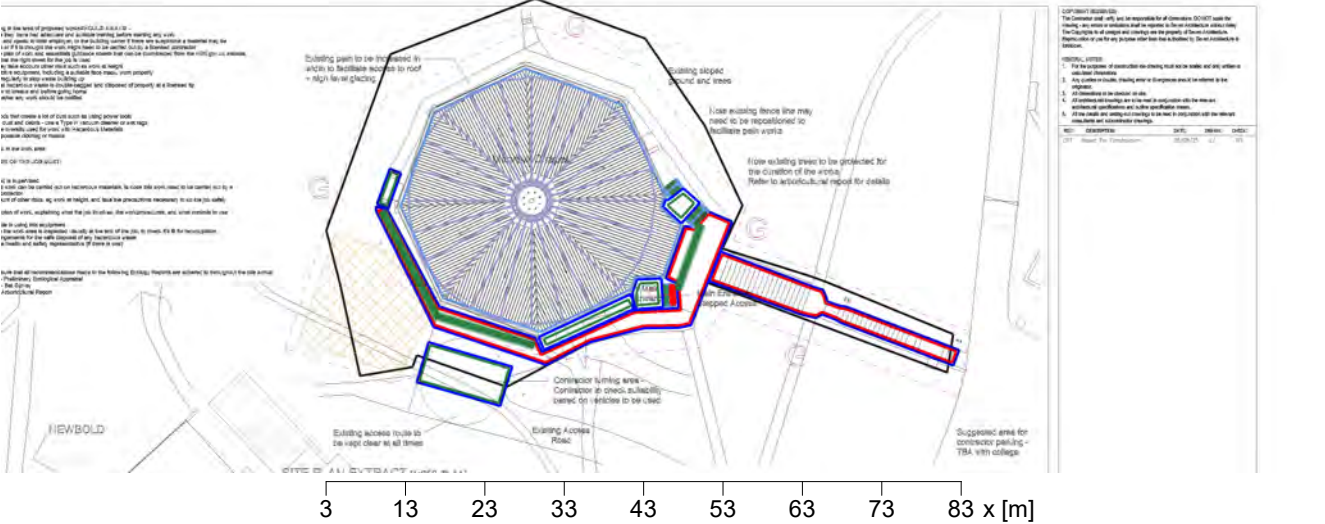
1.2.7 Result overview, Evaluation area 7

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

1.2 Summary, Exterior 1
1.2.8 Result overview, Evaluation area 8



General	
Calculation algorithm used	Average indirect fraction
Position	0.20 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area 8	Reference plane 8.1
$\bar{E}_m$	Horizontal
E_{min}	24 lx
$E_{min}/\bar{E}_m (U_o)$	13.5 lx
$E_{min}/E_{max} (U_d)$	0.57
Position	0.37
	0.00 m

Major surfaces	$\bar{E}_m$	U_o
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Type No. Make

1	8E x	Ansell	
		Order No.	: AREFM/D/B/1 - 3000K
		Luminaire name	: WALL LIGHTS - Reef M
		Equipment	: 1 x LED 13.5 W / 1500 lm
		Emergency	: 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
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1.2 Summary, Exterior 1

1.2.8 Result overview, Evaluation area 8

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

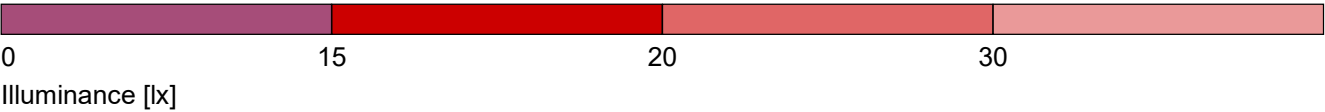
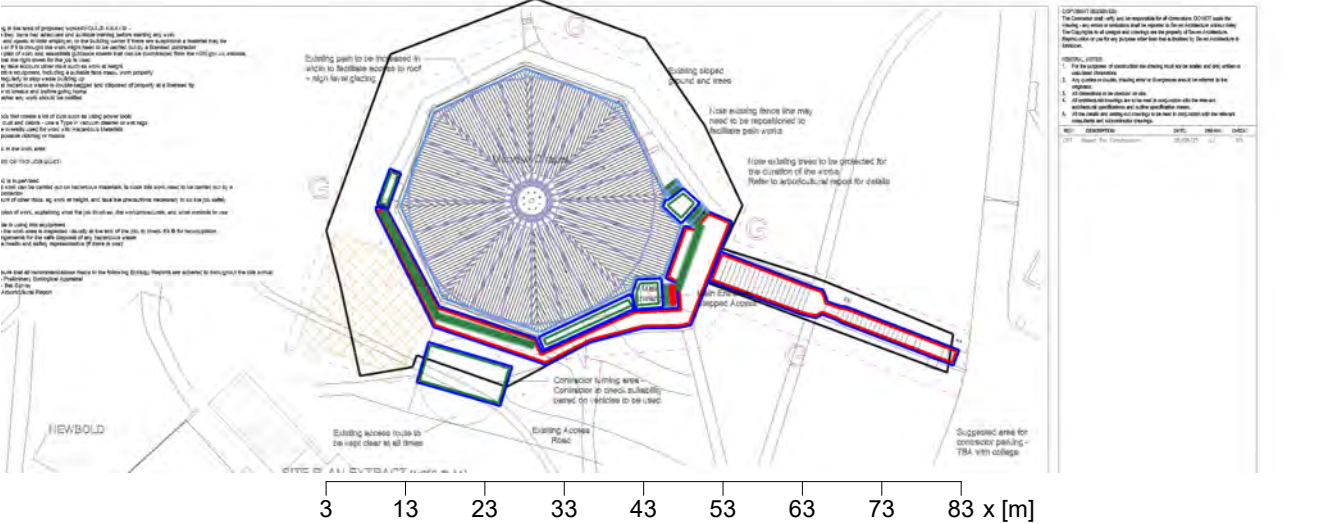
2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1
1.2.9 Result overview, Evaluation area 10



General
Calculation algorithm used
Position
Maintenance factor
Average indirect fraction
0.40 m
0.80
Luminaire luminous flux
0.00 lm

Evaluation area 10
 $\bar{E}_m$
 E_{min}
 $E_{min}/\bar{E}_m (U_o)$
 $E_{min}/E_{max} (U_d)$
Position
Reference plane 10.1
Horizontal
26 lx
13.6 lx
0.52
0.32
0.00 m

Major surfaces
 $\bar{E}_m$
 U_o

Type No. Make

1 8E x

Ansell
Order No. : AREFM/D/B/1 - 3000K
Luminaire name : WALL LIGHTS - Reef M
Equipment : 1 x LED 13.5 W / 1500 lm
Emergency : 150 lm (10.0 %)

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Object : HHC Chapel
Installation : External Lighting
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Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.9 Result overview, Evaluation area 10

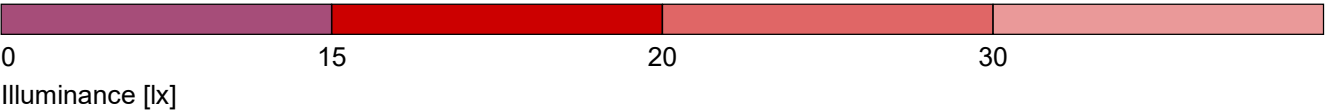
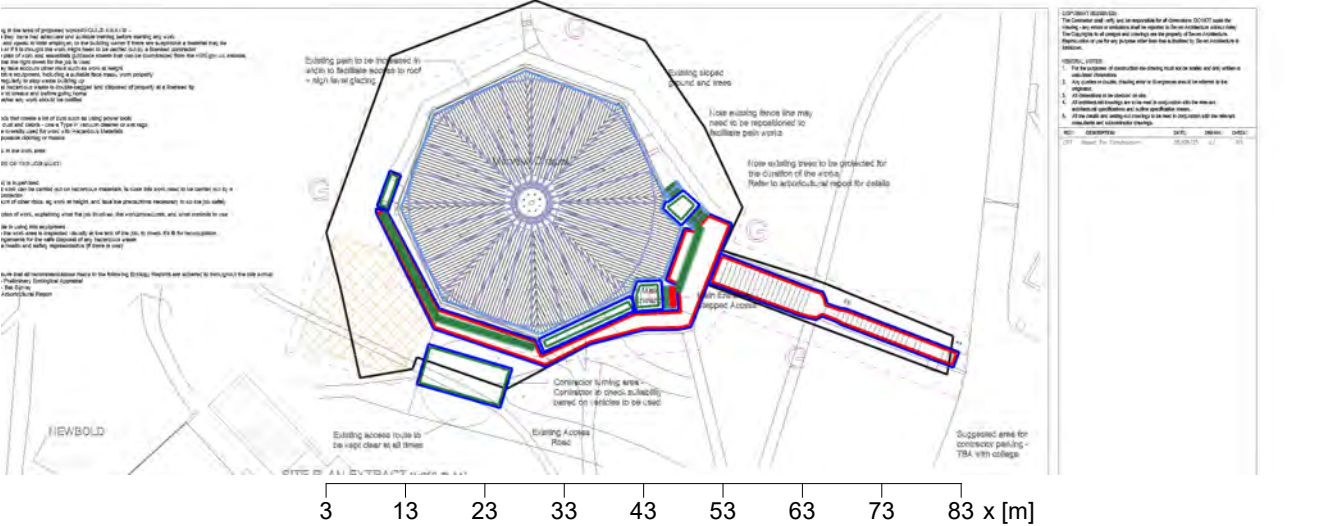
3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

Collingwood Lighting
2 2 x Order No. : FL05BPCS/CCT - 3000K - CRI 80
 Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

Kingfisher Lighting Ltd
4 7E x Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
 Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

1.2 Summary, Exterior 1

1.2.10 Result overview, Evaluation area 11



General	
Calculation algorithm used	Average indirect fraction
Position	0.60 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area 11	Reference plane 11.1
$\bar{E}_m$	Horizontal
E_{min}	29 lx
$E_{min}/\bar{E}_m (U_o)$	13.7 lx
$E_{min}/E_{max} (U_d)$	0.48
Position	0.28
	0.00 m

Major surfaces	$\bar{E}_m$	U_o
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Type No. Make

1	8E x	Ansell	Order No.	: AREFM/D/B/1 - 3000K
			Luminaire name	: WALL LIGHTS - Reef M
			Equipment	: 1 x LED 13.5 W / 1500 lm
			Emergency	: 150 lm (10.0 %)

Object : HHC Chapel
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1.2 Summary, Exterior 1

1.2.10 Result overview, Evaluation area 11

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

Collingwood Lighting
2 2 x Order No. : FL05BPCS/CCT - 3000K - CRI 80
 Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

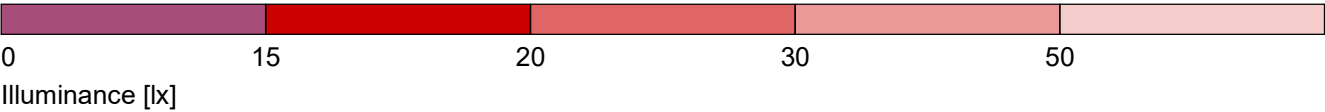
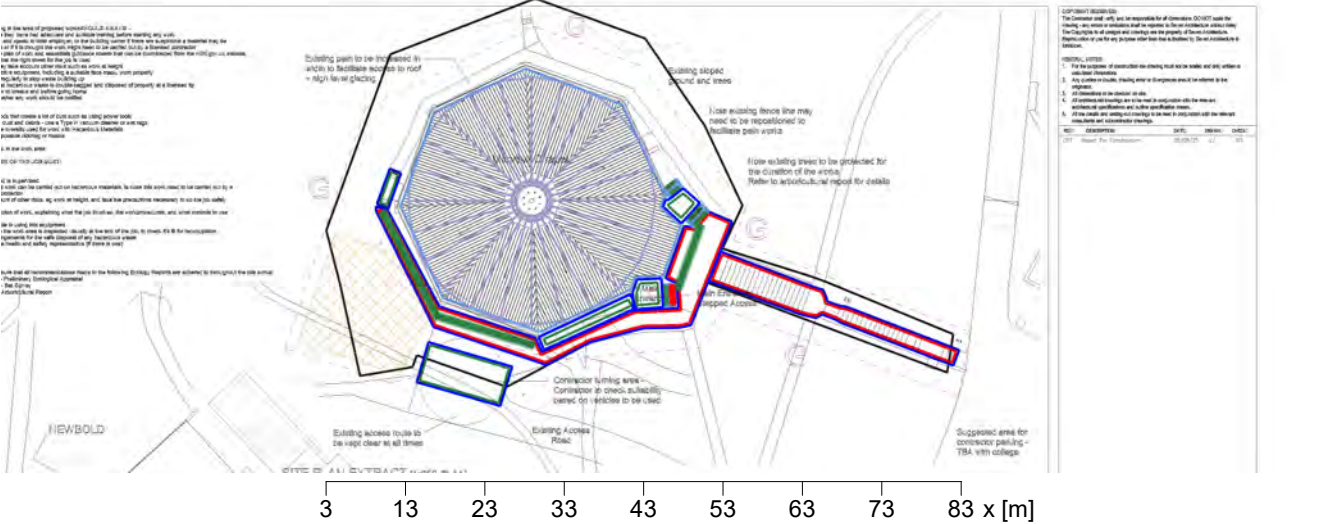
Kingfisher Lighting Ltd
4 7E x Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
 Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
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Project number :
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1.2 Summary, Exterior 1

1.2.11 Result overview, Evaluation area 12



General

Calculation algorithm used

Position

Maintenance factor

Luminaire luminous flux

Average indirect fraction

0.80 m

0.80

0.00 lm

Evaluation area 12

$\bar{E}_m$

E_{min}

$E_{min}/\bar{E}_m (U_o)$

$E_{min}/E_{max} (U_d)$

Position

Reference plane 12.1

Horizontal

31 lx

13.5 lx

0.43

0.24

0.00 m

Major surfaces

$\bar{E}_m$

U_o

Type No. Make

1



Ansell

Order No.

Luminaire name

Equipment

Emergency

: AREFM/D/B/1 - 3000K

: WALL LIGHTS - Reef M

: 1 x LED 13.5 W / 1500 lm

: 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
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1.2 Summary, Exterior 1

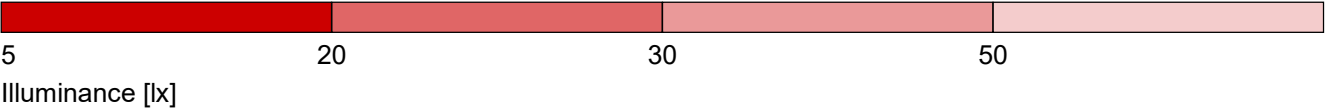
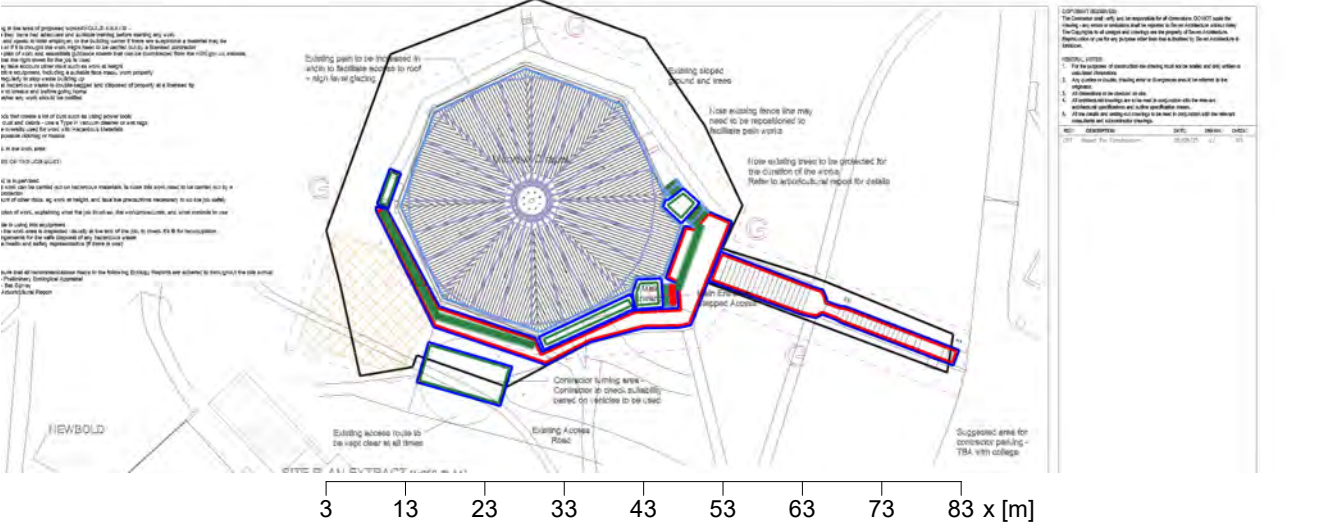
1.2.11 Result overview, Evaluation area 12

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

Collingwood Lighting
2 2 x Order No. : FL05BPCS/CCT - 3000K - CRI 80
 Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

Kingfisher Lighting Ltd
4 7E x Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
 Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

1.2 Summary, Exterior 1
1.2.12 Result overview, Evaluation area 13



General	
Calculation algorithm used	Average indirect fraction
Position	1.00 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area 13	Reference plane 13.1
$\bar{E}_m$	Horizontal
E_{min}	38 lx
$E_{min}/\bar{E}_m (U_o)$	17.2 lx
$E_{min}/E_{max} (U_d)$	0.45
Position	0.26
	0.00 m

Major surfaces	$\bar{E}_m$	U_o
-----------------------	-------------	-------

Type No. Make

1	8E x	Ansell	
		Order No.	: AREFM/D/B/1 - 3000K
		Luminaire name	: WALL LIGHTS - Reef M
		Equipment	: 1 x LED 13.5 W / 1500 lm
		Emergency	: 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.12 Result overview, Evaluation area 13

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

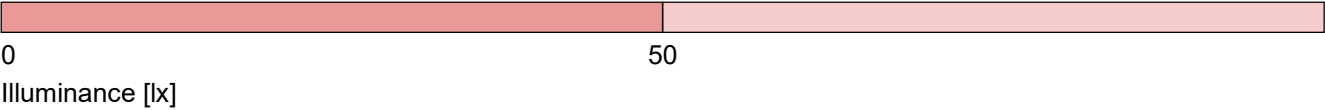
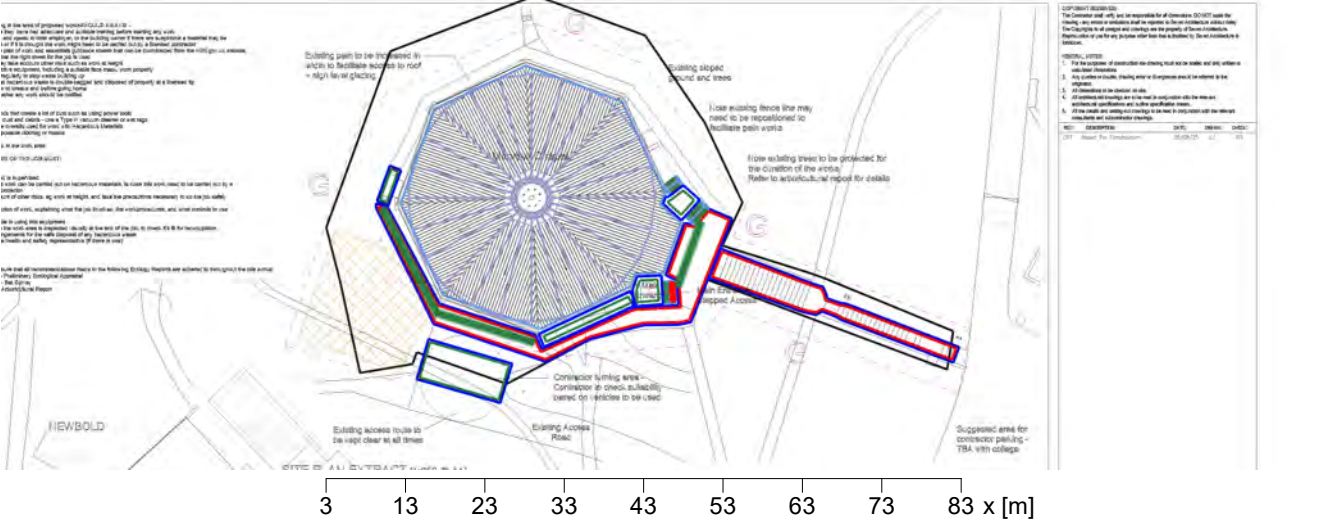
Collingwood Lighting
2 2 x Order No. : FL05BPCS/CCT - 3000K - CRI 80
 Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

Kingfisher Lighting Ltd
4 7E x Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
 Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1
1.2.13 Result overview, Evaluation area 14



General	
Calculation algorithm used	Average indirect fraction
Position	1.00 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area 14	Reference plane 14.1
$\bar{E}_m$	Horizontal
E_{min}	50 lx
$E_{min}/\bar{E}_m (U_o)$	33 lx
$E_{min}/E_{max} (U_d)$	0.65
Position	0.46
	0.00 m

Major surfaces	$\bar{E}_m$	U_o
-----------------------	-------------	-------

Type No. Make

1	8E x	Ansell	
		Order No.	: AREFM/D/B/1 - 3000K
		Luminaire name	: WALL LIGHTS - Reef M
		Equipment	: 1 x LED 13.5 W / 1500 lm
		Emergency	: 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.13 Result overview, Evaluation area 14

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

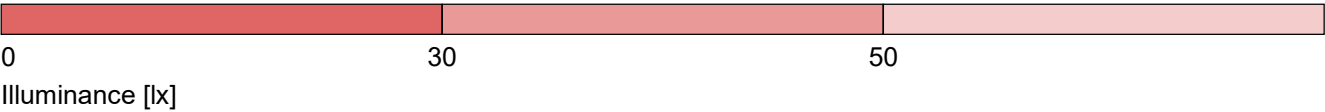
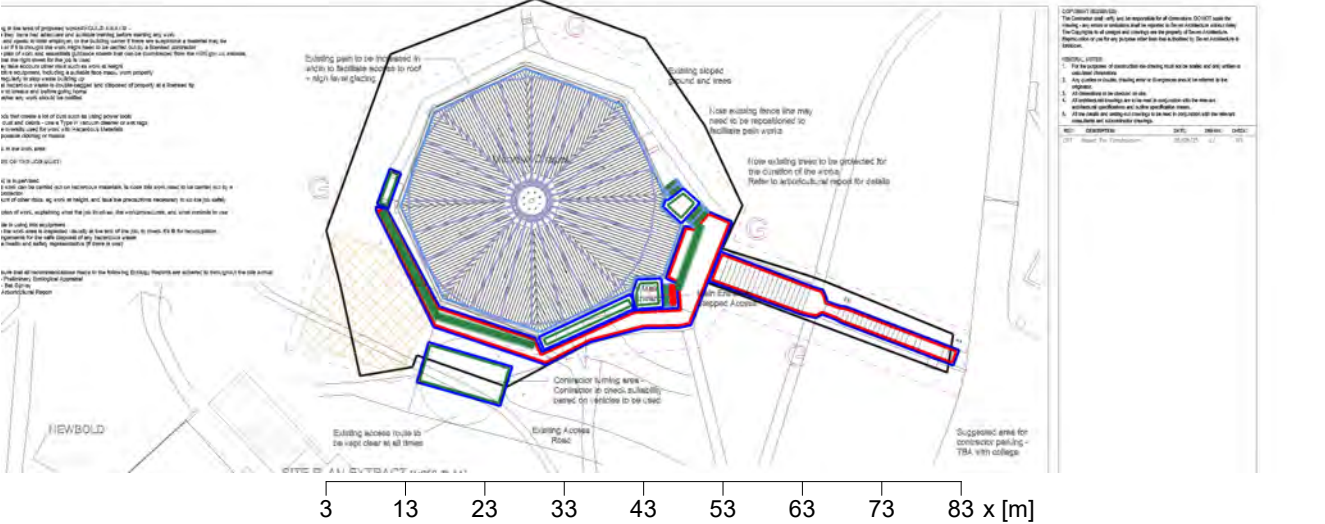
2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1
1.2.14 Result overview, Evaluation area 15



General
Calculation algorithm used : Average indirect fraction
Position : 0.80 m
Maintenance factor : 0.80
Luminaire luminous flux : 0.00 lm

Evaluation area 15
 $\bar{E}_m$: 46 lx
 E_{min} : 30 lx
 $E_{min}/\bar{E}_m (U_o)$: 0.65
 $E_{min}/E_{max} (U_d)$: 0.46
Position : 0.00 m

Major surfaces
 $\bar{E}_m$:
 U_o :

Type No. Make

1 8E x

Ansell
Order No. : AREFM/D/B/1 - 3000K
Luminaire name : WALL LIGHTS - Reef M
Equipment : 1 x LED 13.5 W / 1500 lm
Emergency : 150 lm (10.0 %)

-please put your own address here-

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

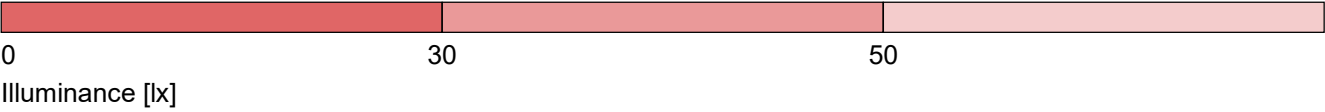
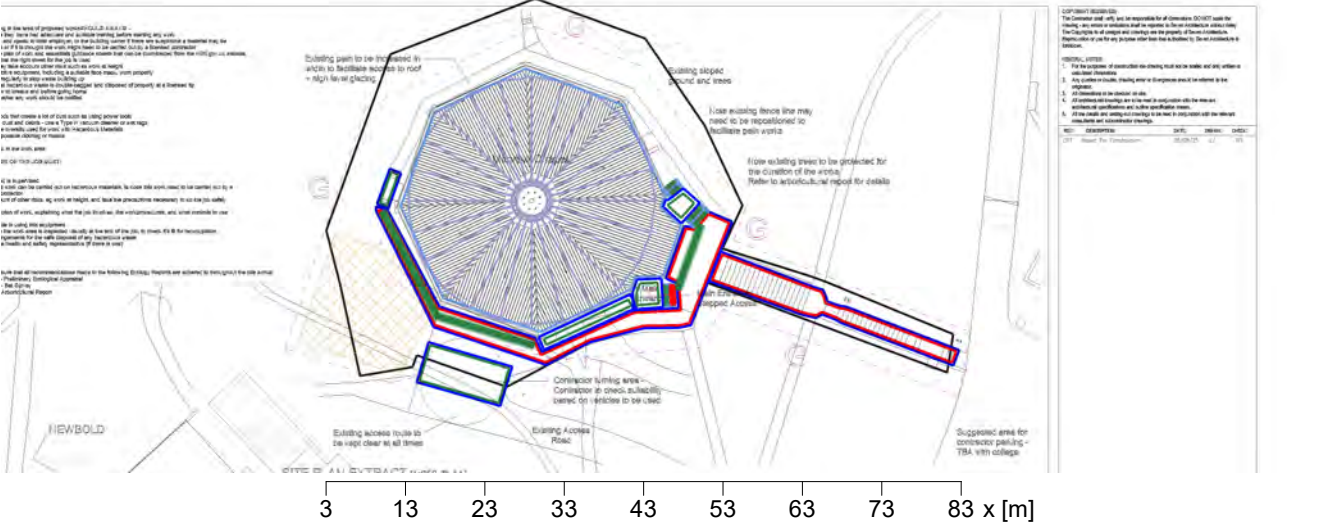
1.2.14 Result overview, Evaluation area 15

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

1.2 Summary, Exterior 1
1.2.15 Result overview, Evaluation area 16



General	
Calculation algorithm used	Average indirect fraction
Position	0.60 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area 16	Reference plane 16.1
$\bar{E}_m$	Horizontal
E_{min}	42 lx
$E_{min}/\bar{E}_m (U_o)$	28 lx
$E_{min}/E_{max} (U_d)$	0.67
Position	0.49
	0.00 m

Major surfaces	$\bar{E}_m$	U_o
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Type No. Make

1	8E x	Ansell	
		Order No.	: AREFM/D/B/1 - 3000K
		Luminaire name	: WALL LIGHTS - Reef M
		Equipment	: 1 x LED 13.5 W / 1500 lm
		Emergency	: 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.15 Result overview, Evaluation area 16

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

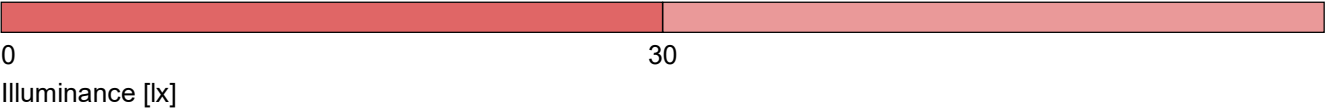
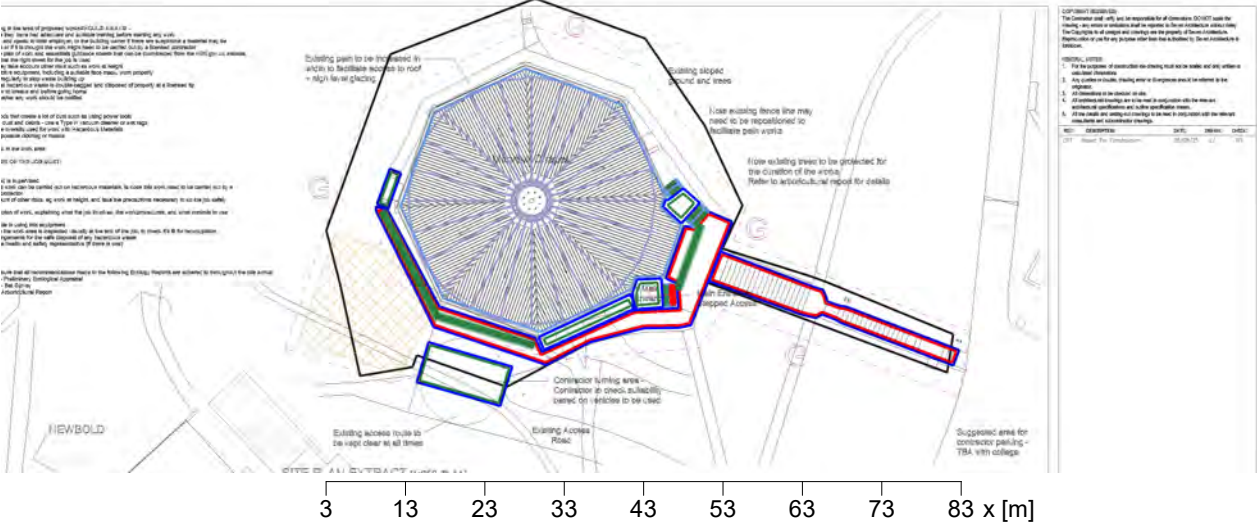
4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.16 Result overview, Evaluation area 17



General

Calculation algorithm used

Position

Maintenance factor

Luminaire luminous flux

Average indirect fraction

0.40 m

0.80

0.00 lm

Evaluation area 17

$\bar{E}_m$

E_{min}

$E_{min}/\bar{E}_m (U_o)$

$E_{min}/E_{max} (U_d)$

Position

Reference plane 17.1

Horizontal

37 lx

26 lx

0.70

0.53

0.00 m

Major surfaces

$\bar{E}_m$

U_o

Type No. Make

1

8E x



Ansell

Order No.

Luminaire name

Equipment

Emergency

: AREFM/D/B/1 - 3000K

: WALL LIGHTS - Reef M

: 1 x LED 13.5 W / 1500 lm

: 150 lm (10.0 %)

-please put your own address here-

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

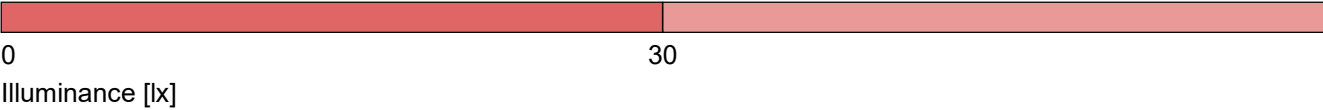
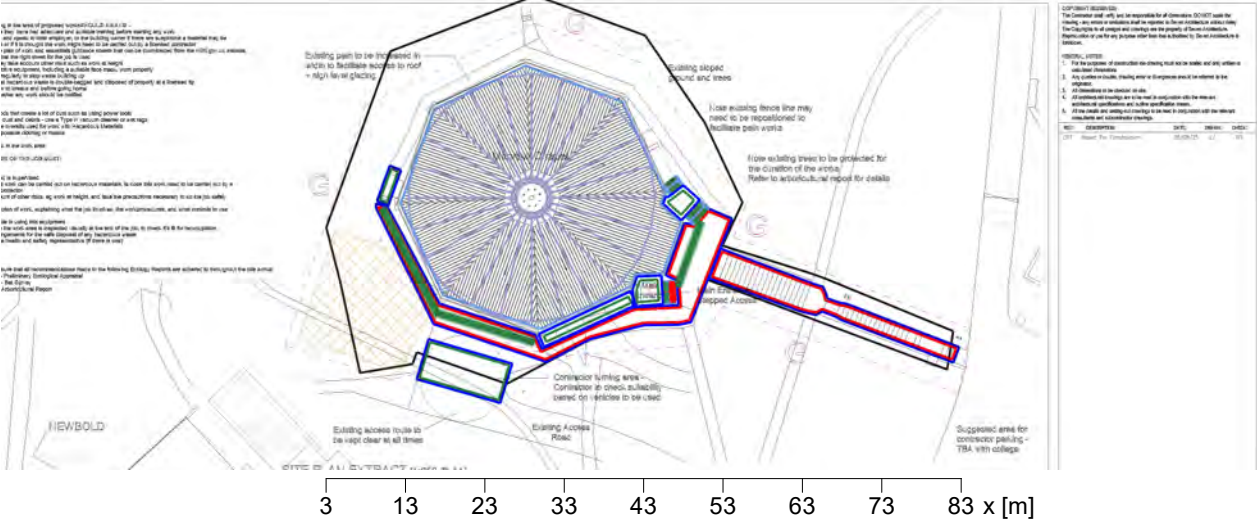
1.2.16 Result overview, Evaluation area 17

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

Collingwood Lighting
2 2 x Order No. : FL05BPCS/CCT - 3000K - CRI 80
 Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

Kingfisher Lighting Ltd
4 7E x Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
 Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

1.2 Summary, Exterior 1
1.2.17 Result overview, Evaluation area 18



General	
Calculation algorithm used	Average indirect fraction
Position	0.20 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area 18	Reference plane 18.1
	Horizontal
$\bar{E}_m$	32 lx
E_{min}	23 lx
$E_{min}/\bar{E}_m (U_o)$	0.73
$E_{min}/E_{max} (U_d)$	0.57
Position	0.00 m

Major surfaces	$\bar{E}_m$	U_o
----------------	-------------	-------

Type No. Make

1	8E x	Ansell	
		Order No.	: AREFM/D/B/1 - 3000K
		Luminaire name	: WALL LIGHTS - Reef M
		Equipment	: 1 x LED 13.5 W / 1500 lm
		Emergency	: 150 lm (10.0 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.17 Result overview, Evaluation area 18

3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

2 2 x **Collingwood Lighting**
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

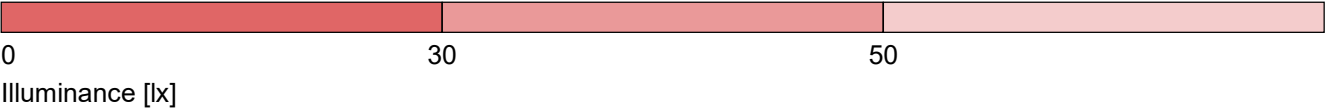
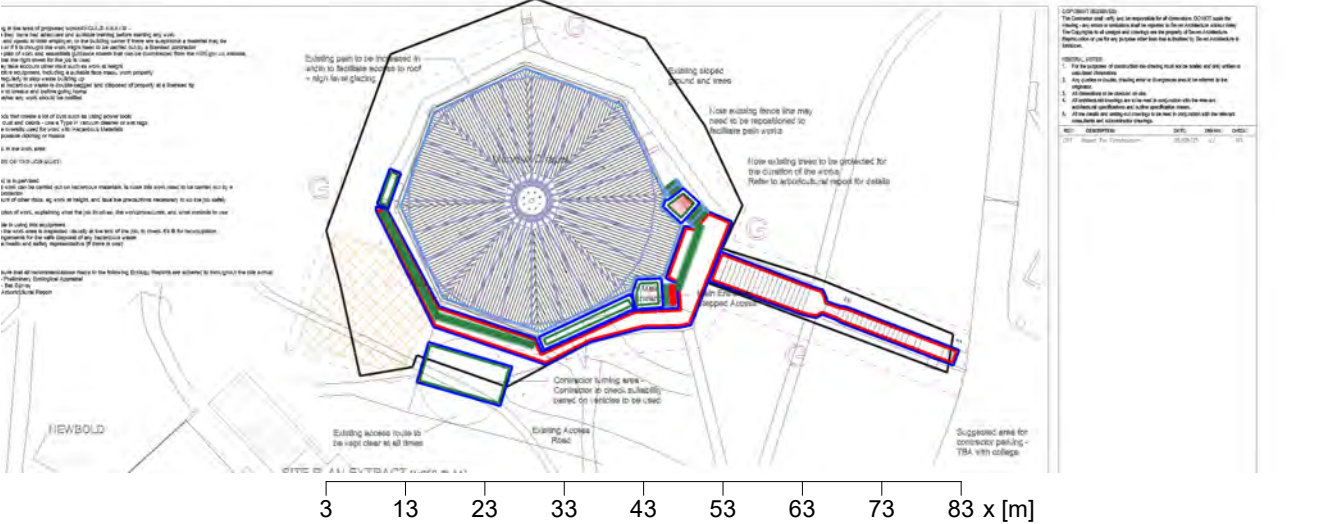
4 7E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.18 Result overview, Evaluation area 19



General

Calculation algorithm used	Average indirect fraction
Position	1.00 m
Maintenance factor	0.80
Luminaire luminous flux	0.00 lm

Evaluation area 19

$\bar{E}_m$	51 lx
E_{min}	23 lx
$E_{min}/\bar{E}_m (U_0)$	0.45
$E_{min}/E_{max} (U_d)$	0.31
Position	0.00 m

Reference plane 19.1

Horizontal

Major surfaces

$\bar{E}_m$	U_0
-------------	-------

Type No. Make

1	8E x	Ansell	
		Order No.	: AREFM/D/B/1 - 3000K
		Luminaire name	: WALL LIGHTS - Reef M
		Equipment	: 1 x LED 13.5 W / 1500 lm
		Emergency	: 150 lm (10.0 %)

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Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.18 Result overview, Evaluation area 19

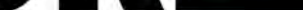
3 8 x Order No. : AARIES/900/BL/WW
 Luminaire name : BOLLARDS - Aries 3000K
Equipment : 1 x LED single 830 21.35 W / 1182 lm

Collingwood Lighting
2 2 x Order No. : FL05BPCS/CCT - 3000K - CRI 80
 Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

Kingfisher Lighting Ltd
4 7E x Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
 Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)



UKLD LIGHTING DESIGN



UKLED LIGHTING DESIGN

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.20 Result overview, Evaluation area 21

Collingwood Lighting
2 2 x
 Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

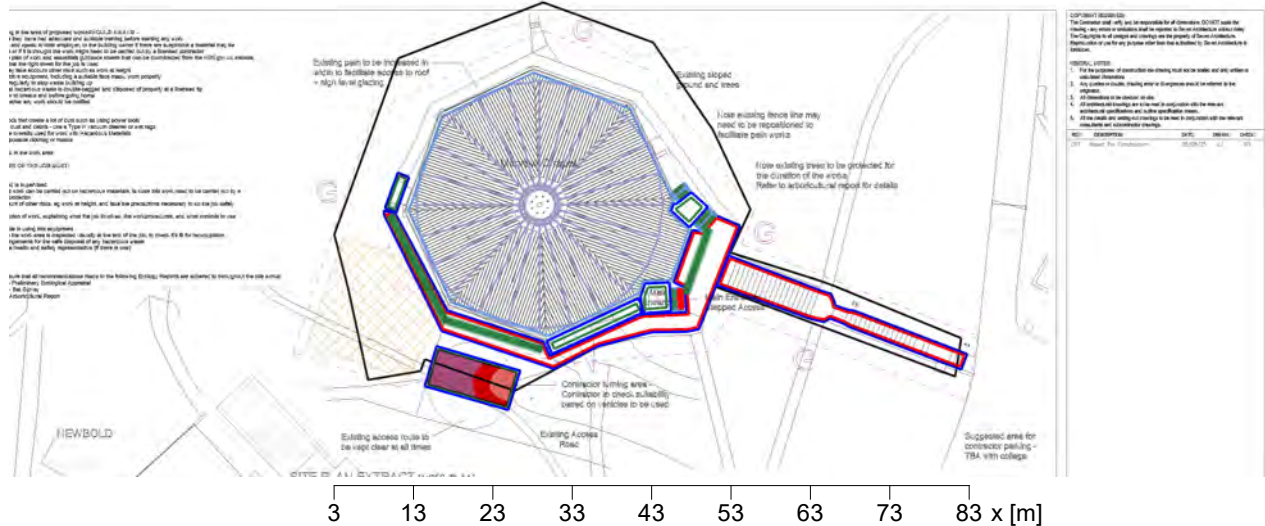
Kingfisher Lighting Ltd
4 7E x
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
 Installation : External Lighting
 Project number :
 Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.21 Result overview, Muster Point



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Luminaire luminous flux

0.00 lm

Muster Point

Reference plane 22.1

Horizontal

$\bar{E}_m$ 16.1 lx
 E_{min} 11.1 lx
 $E_{min}/\bar{E}_m (U_o)$ 0.69
 $E_{min}/E_{max} (U_d)$ 0.43
 Position 0.00 m

Major surfaces

$\bar{E}_m$

U_o

Type No./Make

Ansell		
1	8E x	Order No. : AREFM/D/B/1 - 3000K
		Luminaire name : WALL LIGHTS - Reef M
		Equipment : 1 x LED 13.5 W / 1500 lm
		Emergency : 150 lm (10.0 %)
3	8 x	Order No. : AARIES/900/BL/WW
		Luminaire name : BOLLARDS - Aries 3000K
		Equipment : 1 x LED single 830 21.35 W / 1182 lm

-please put your own address here-

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.21 Result overview, Muster Point

Collingwood Lighting
2 2 x  Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

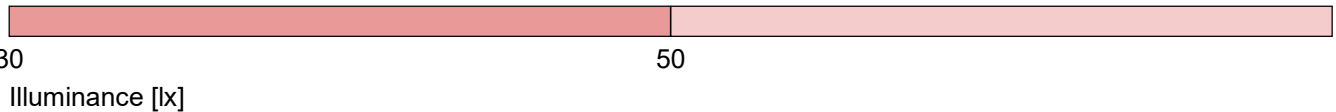
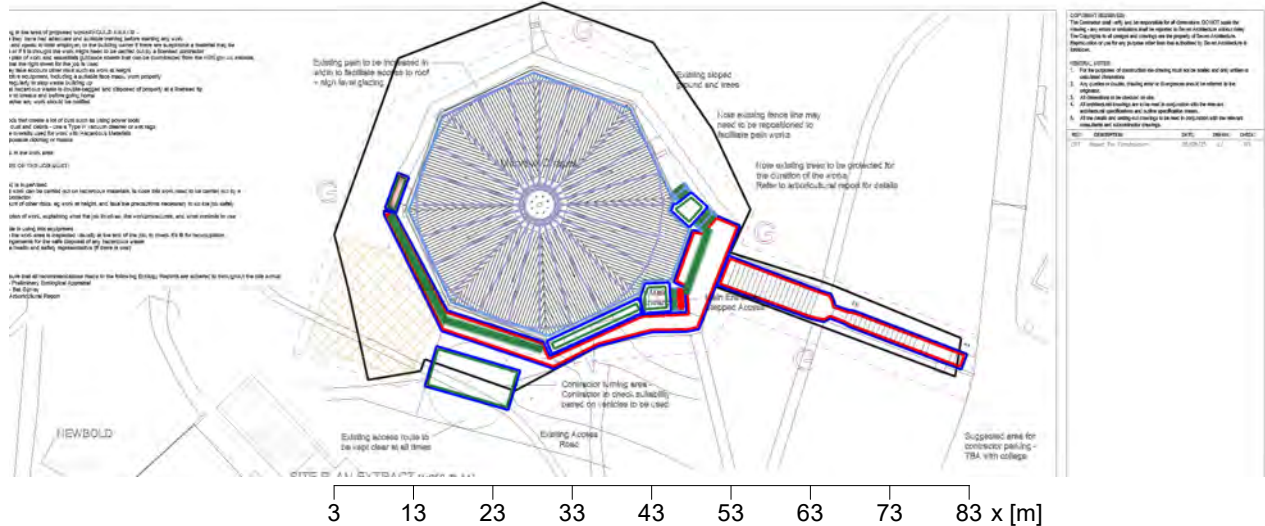
Kingfisher Lighting Ltd
4 7E x  Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

Object : HHC Chapel
 Installation : External Lighting
 Project number :
 Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.22 Result overview, Rear Exit



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Luminaire luminous flux

0.00 lm

Rear Exit

Reference plane 23.1
 Horizontal

$\bar{E}_m$ 51 lx
 E_{min} 38 lx
 $E_{min}/\bar{E}_m (U_0)$ 0.75
 $E_{min}/E_{max} (U_d)$ 0.62
 Position 0.00 m

Major surfaces

$\bar{E}_m$

U_0

Type No./Make

		Ansell	
1	8E x	Order No.	: AREFM/D/B/1 - 3000K
		Luminaire name	: WALL LIGHTS - Reef M
		Equipment	: 1 x LED 13.5 W / 1500 lm
		Emergency	: 150 lm (10.0 %)
3	8 x	Order No.	: AARIES/900/BL/WW
		Luminaire name	: BOLLARDS - Aries 3000K
		Equipment	: 1 x LED single 830 21.35 W / 1182 lm

-please put your own address here-

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.2 Summary, Exterior 1

1.2.22 Result overview, Rear Exit

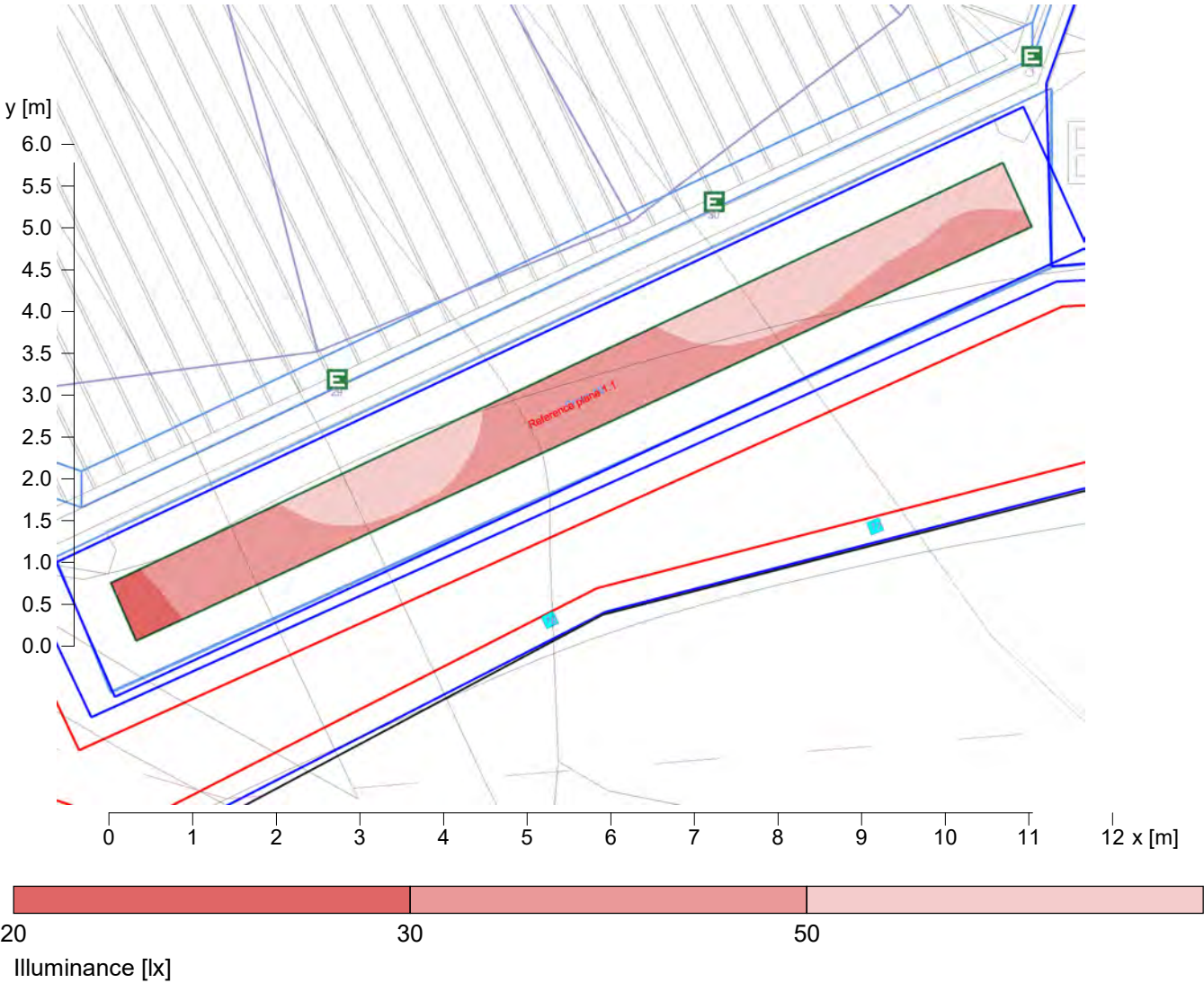
Collingwood Lighting
2 2 x  Order No. : FL05BPCS/CCT - 3000K - CRI 80
Luminaire name : Residential Floodlights
Equipment : 1 x LED 50 W / 5100 lm

Kingfisher Lighting Ltd
4 7E x  Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523
Emergency : 655 lm (12.5 %)

1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Pseudo colours, Reference plane 1.1 (E)

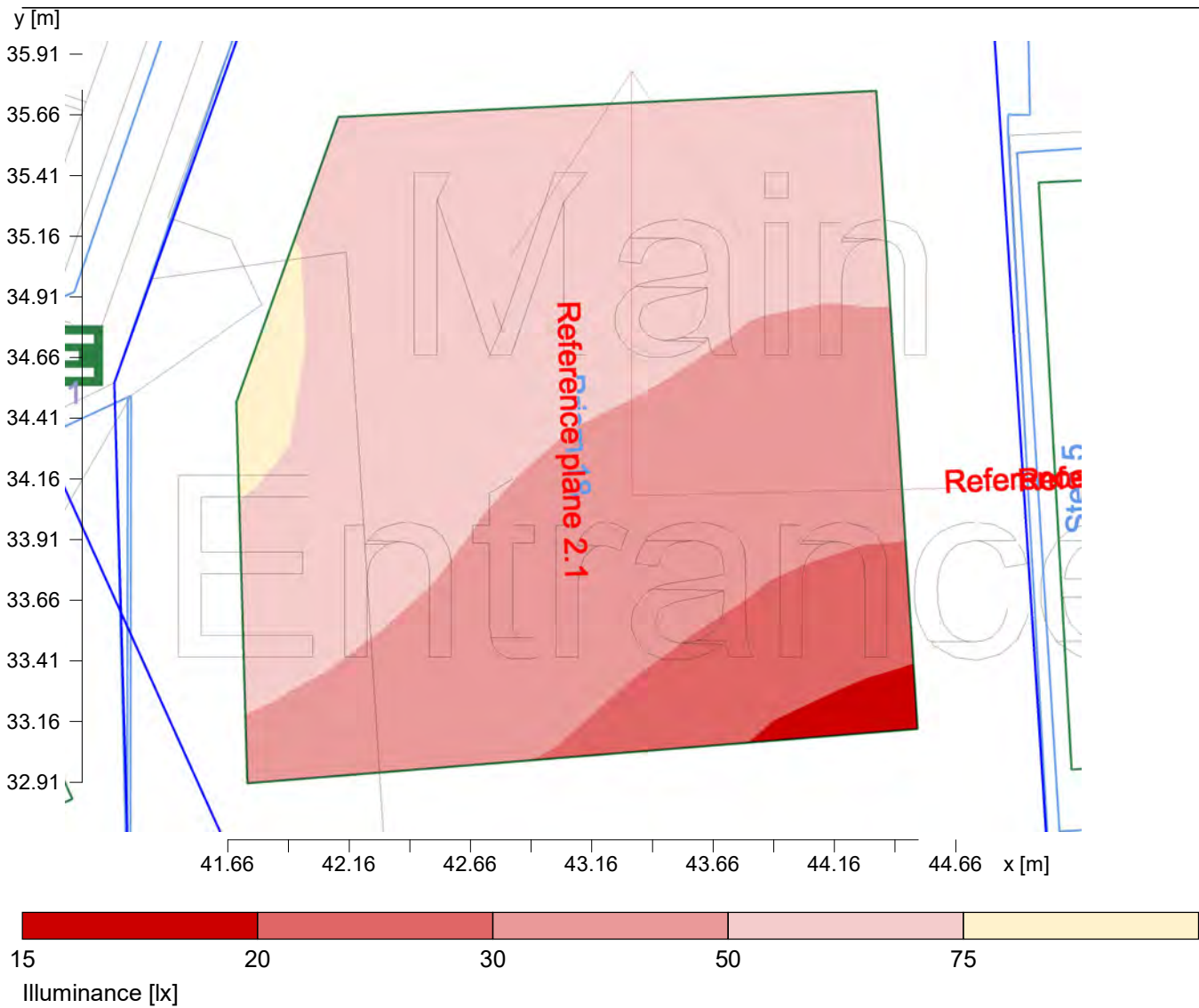


Average illuminance
Minimum illuminance
Maximum illuminance
Uniformity U_0

$\bar{E}_m$: 47 lx
 E_{min} : 27 lx
 E_{max} : 67 lx
 $E_{min}/\bar{E}_m$: 1 : 1.72 (0.58)

1.3 Calculation results, Exterior 1

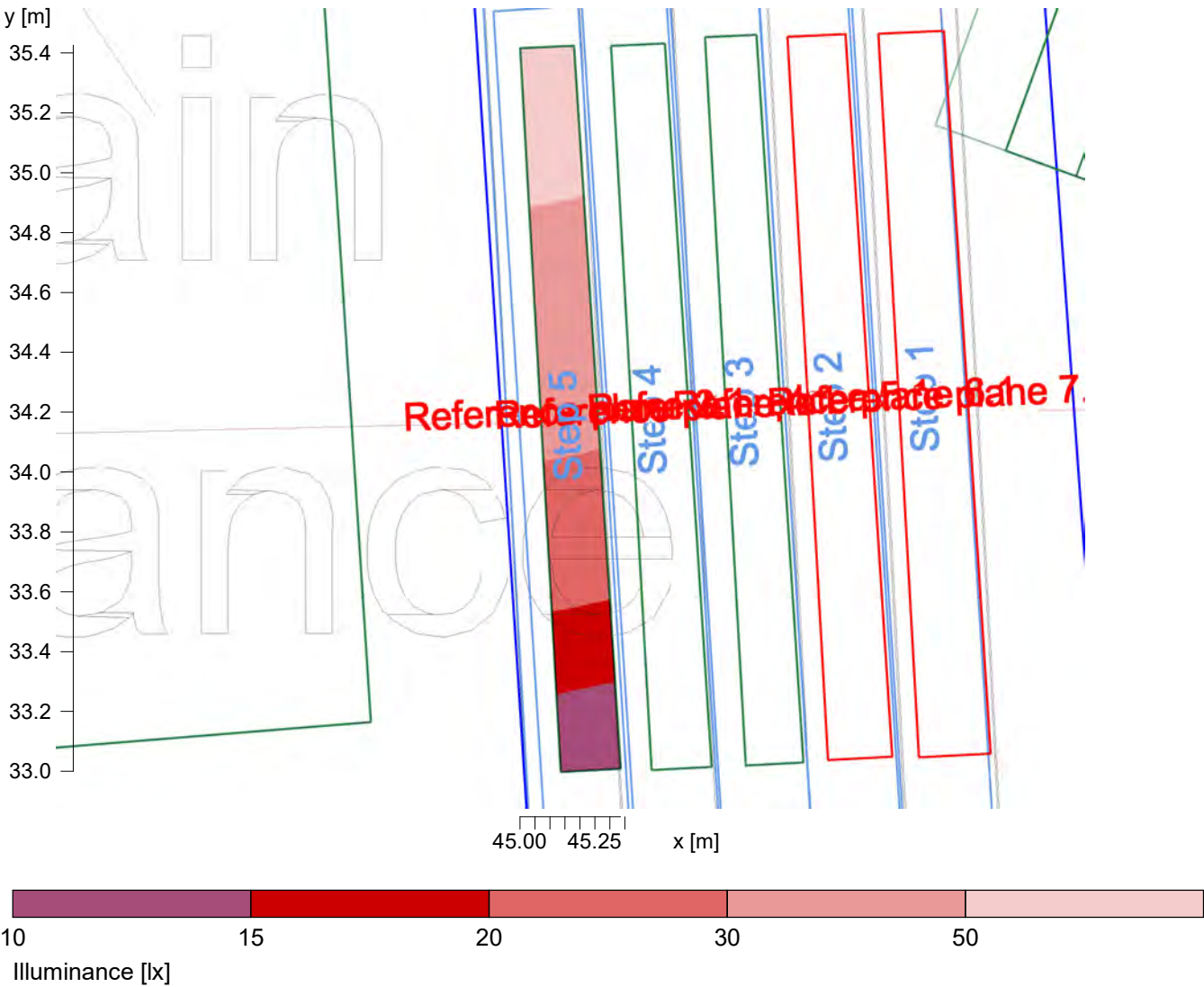
1.3.2 Pseudo colours, Reference plane 2.1 (E)



Height reference plane		: 1.06 m
Average illuminance	$\bar{E}_m$	: 49 lx
Minimum illuminance	E_{min}	: 17.0 lx
Maximum illuminance	E_{max}	: 77 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.91 (0.34)

1.3 Calculation results, Exterior 1

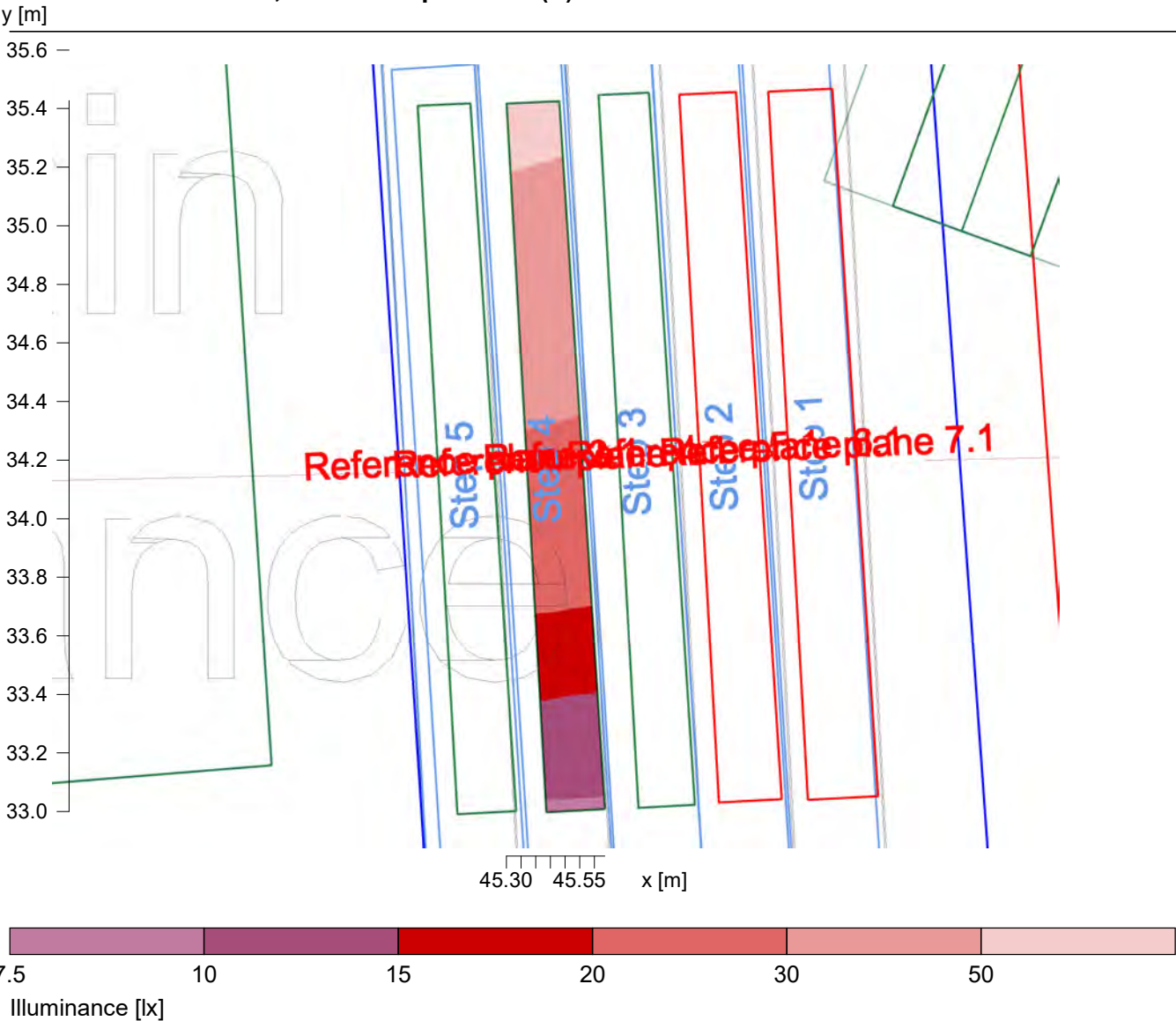
1.3.3 Pseudo colours, Reference plane 3.1 (E)



Height reference plane		: 1.00 m
Average illuminance	$\bar{E}_m$	: 33 lx
Minimum illuminance	E_{min}	: 11.4 lx
Maximum illuminance	E_{max}	: 66 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.89 (0.35)

1.3 Calculation results, Exterior 1

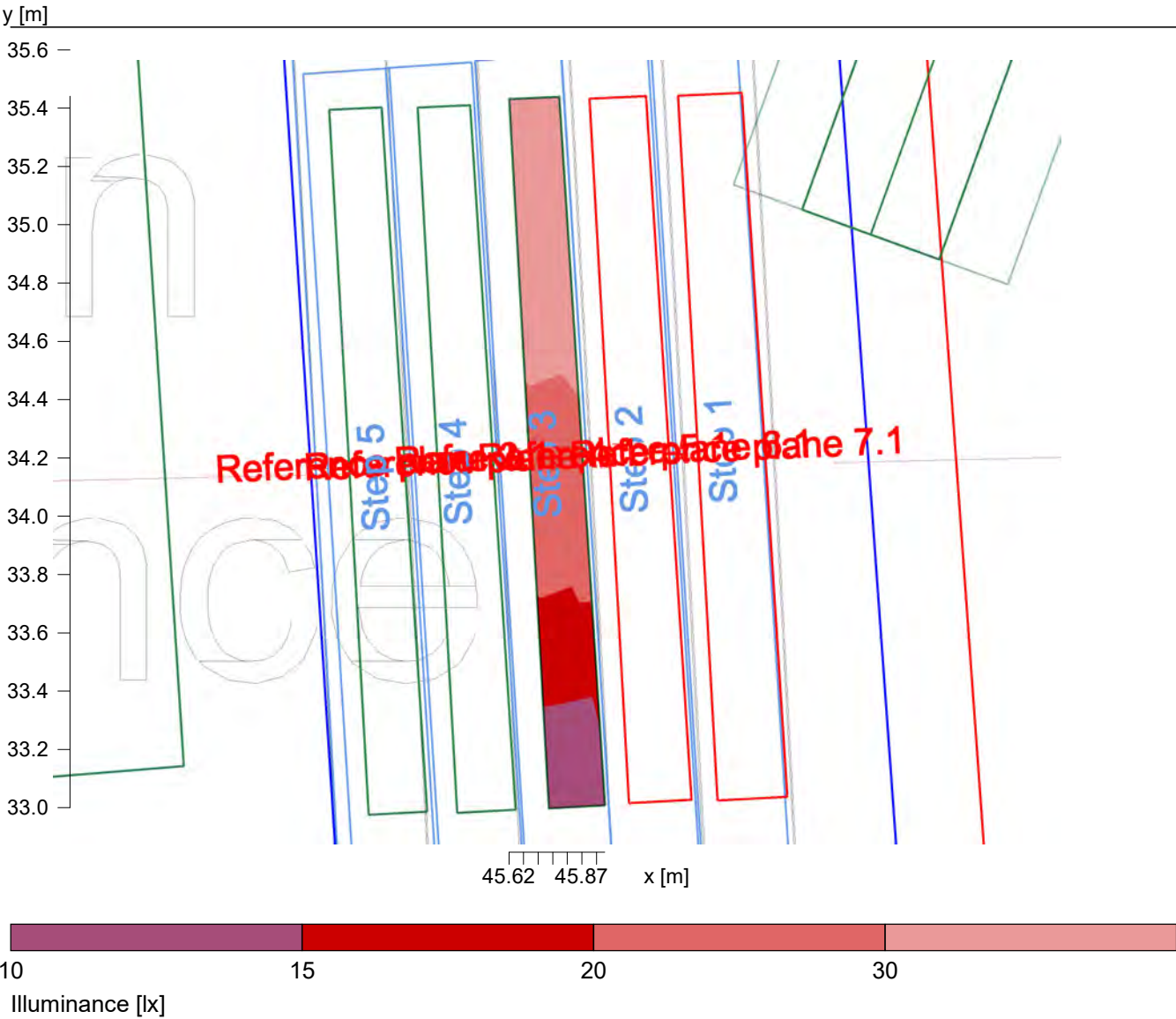
1.3.4 Pseudo colours, Reference plane 4.1 (E)



Height reference plane		: 0.80 m
Average illuminance	$\bar{E}_m$	: 28 lx
Minimum illuminance	E_{min}	: 9.78 lx
Maximum illuminance	E_{max}	: 55 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.88 (0.35)

1.3 Calculation results, Exterior 1

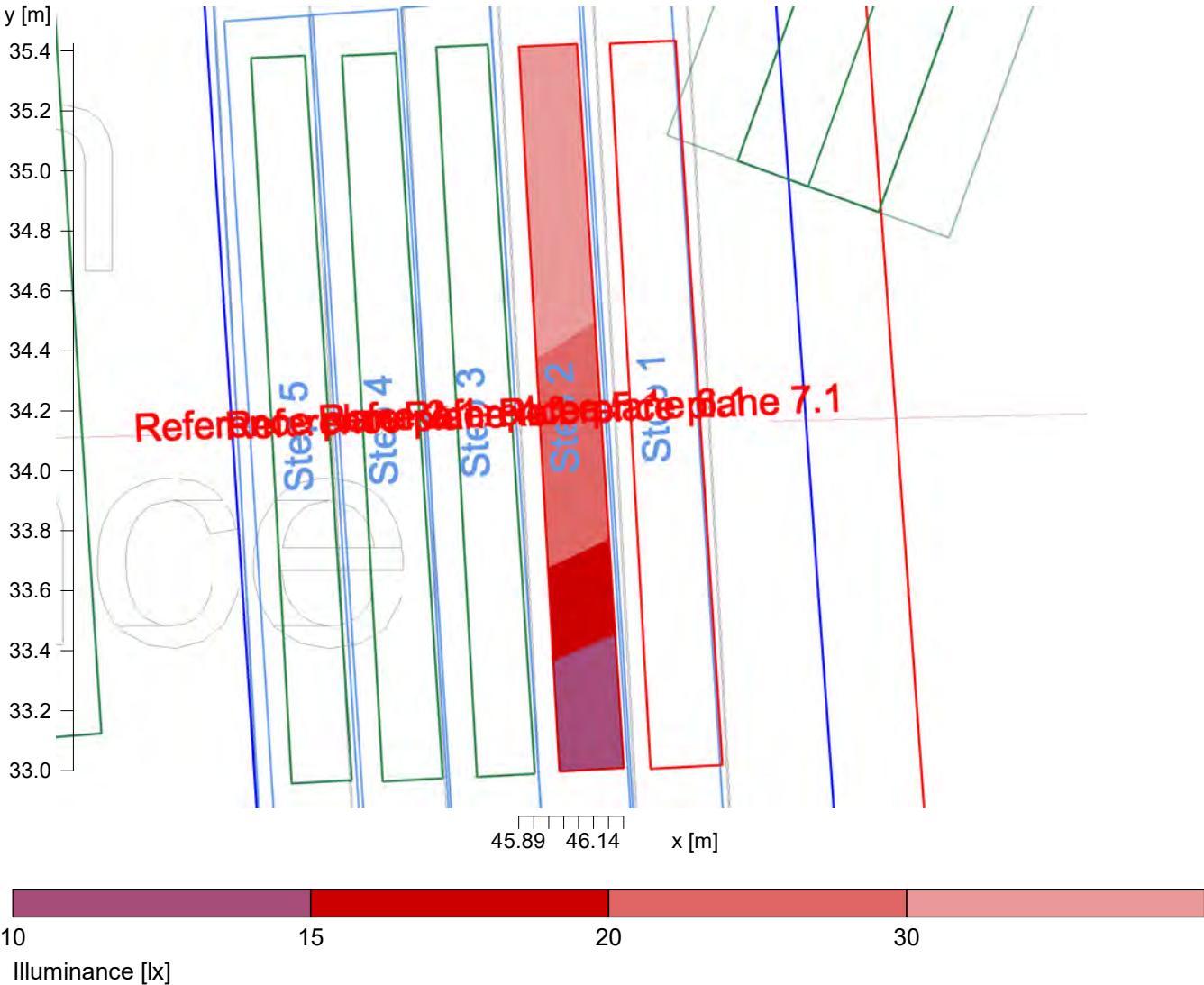
1.3.5 Pseudo colours, Reference plane 5.1 (E)



Height reference plane	: 0.60 m
Average illuminance	$\bar{E}_m$: 26 lx
Minimum illuminance	E_{min} : 10.5 lx
Maximum illuminance	E_{max} : 48 lx
Uniformity U_o	$E_{min}/\bar{E}_m$: 1 : 2.49 (0.40)

1.3 Calculation results, Exterior 1

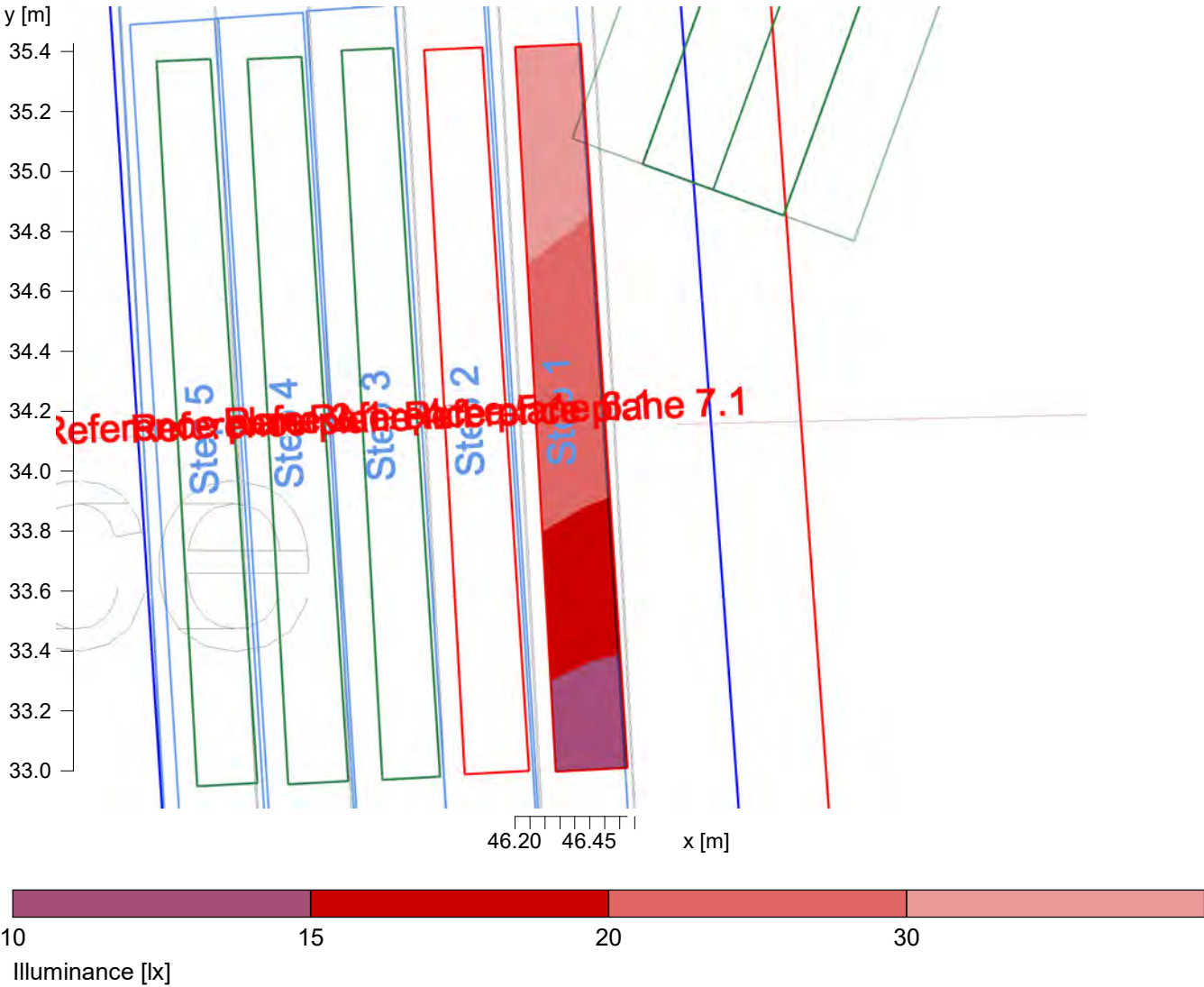
1.3.6 Pseudo colours, Reference plane 6.1 (E)



Height reference plane		: 0.80 m
Average illuminance	$\bar{E}_m$	: 26 lx
Minimum illuminance	E_{min}	: 10.1 lx
Maximum illuminance	E_{max}	: 49 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.62 (0.38)

1.3 Calculation results, Exterior 1

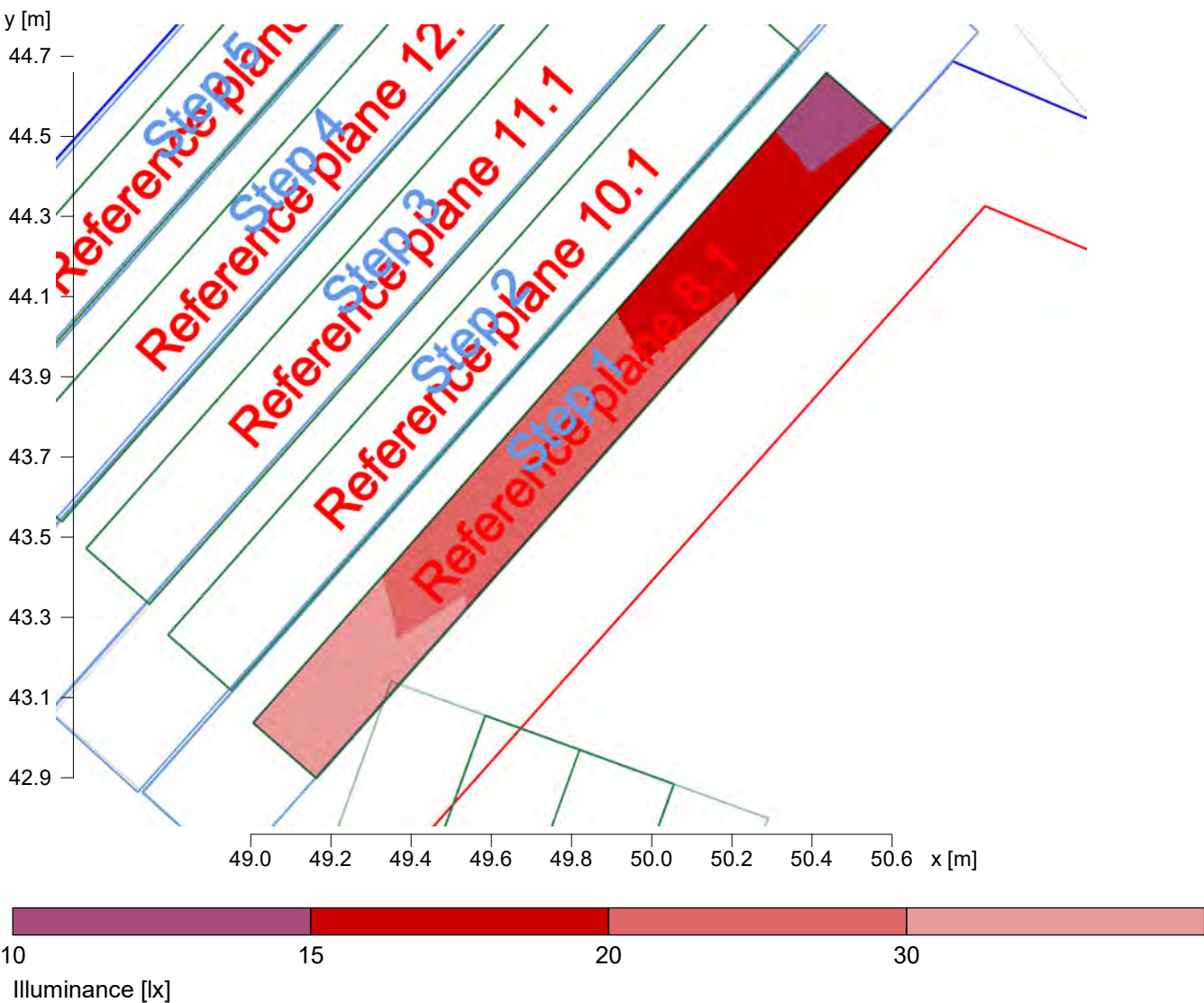
1.3.7 Pseudo colours, Reference plane 7.1 (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 23 lx
Minimum illuminance	E_{min}	: 11.7 lx
Maximum illuminance	E_{max}	: 39 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.00 (0.50)

1.3 Calculation results, Exterior 1

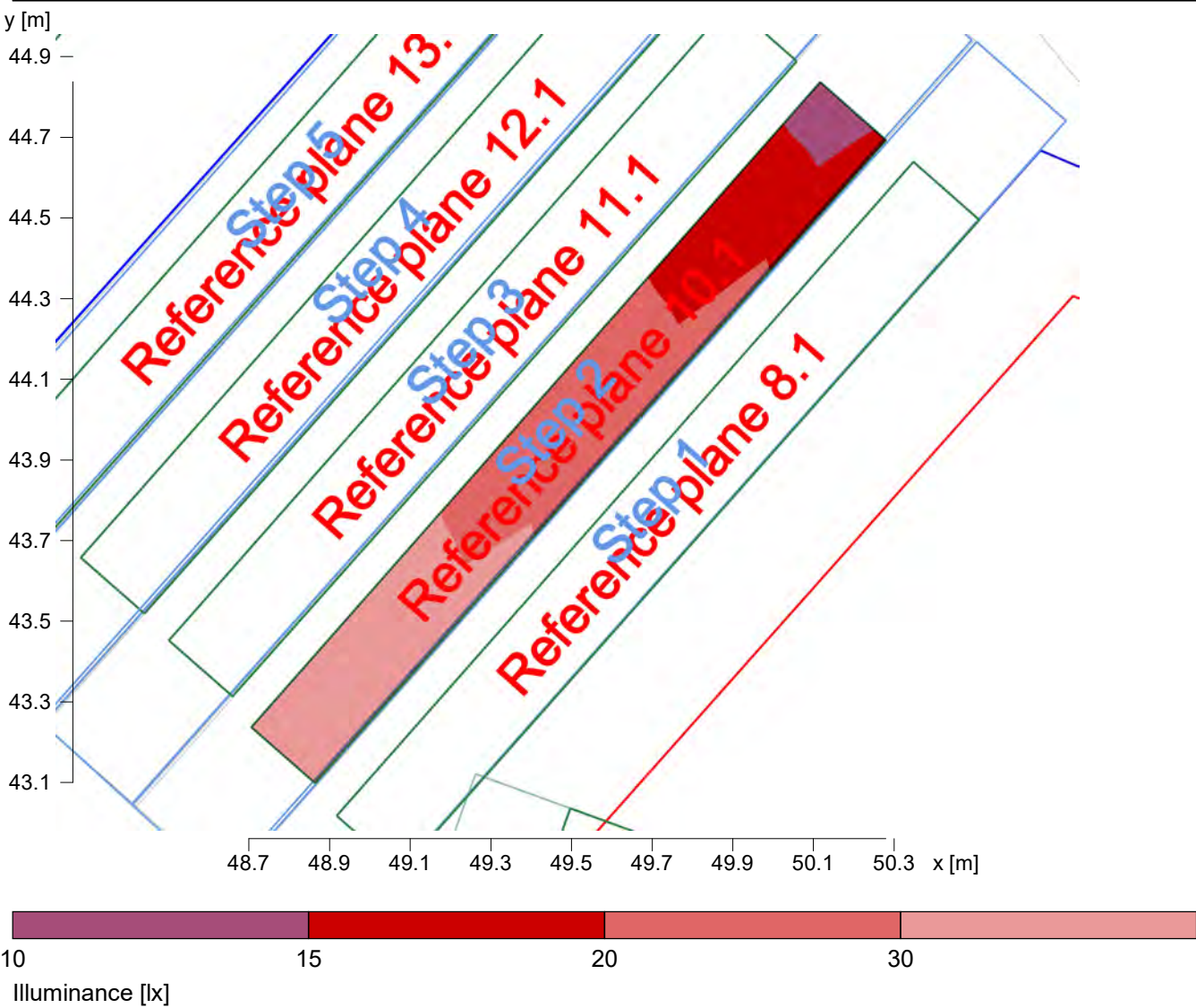
1.3.8 Pseudo colours, Reference plane 8.1 (E)



Height reference plane		: 0.20 m
Average illuminance	$\bar{E}_m$	: 24 lx
Minimum illuminance	E_{min}	: 13.5 lx
Maximum illuminance	E_{max}	: 36 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.76 (0.57)

1.3 Calculation results, Exterior 1

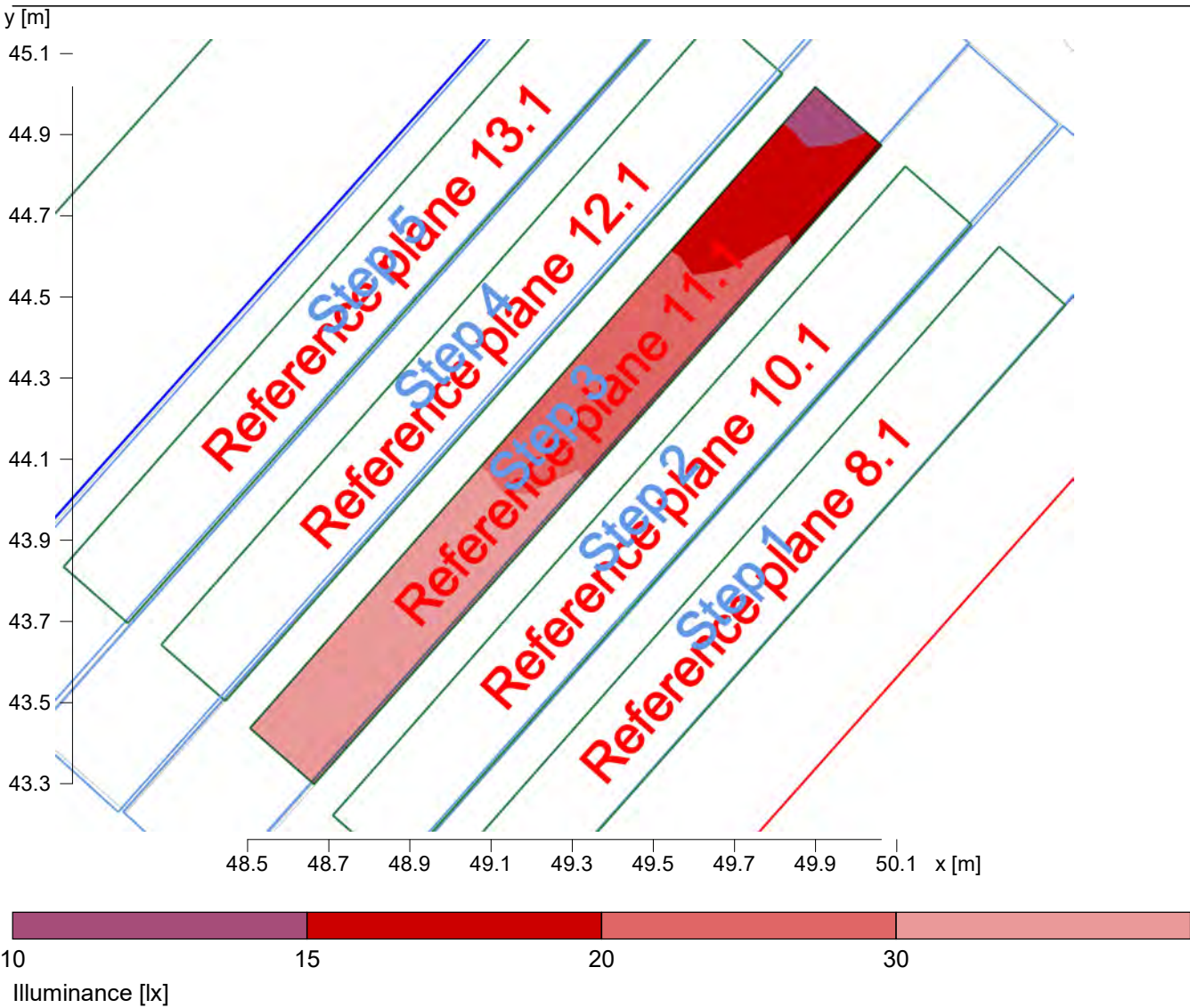
1.3.9 Pseudo colours, Reference plane 10.1 (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 26 lx
Minimum illuminance	E_{min}	: 13.6 lx
Maximum illuminance	E_{max}	: 42 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.92 (0.52)

1.3 Calculation results, Exterior 1

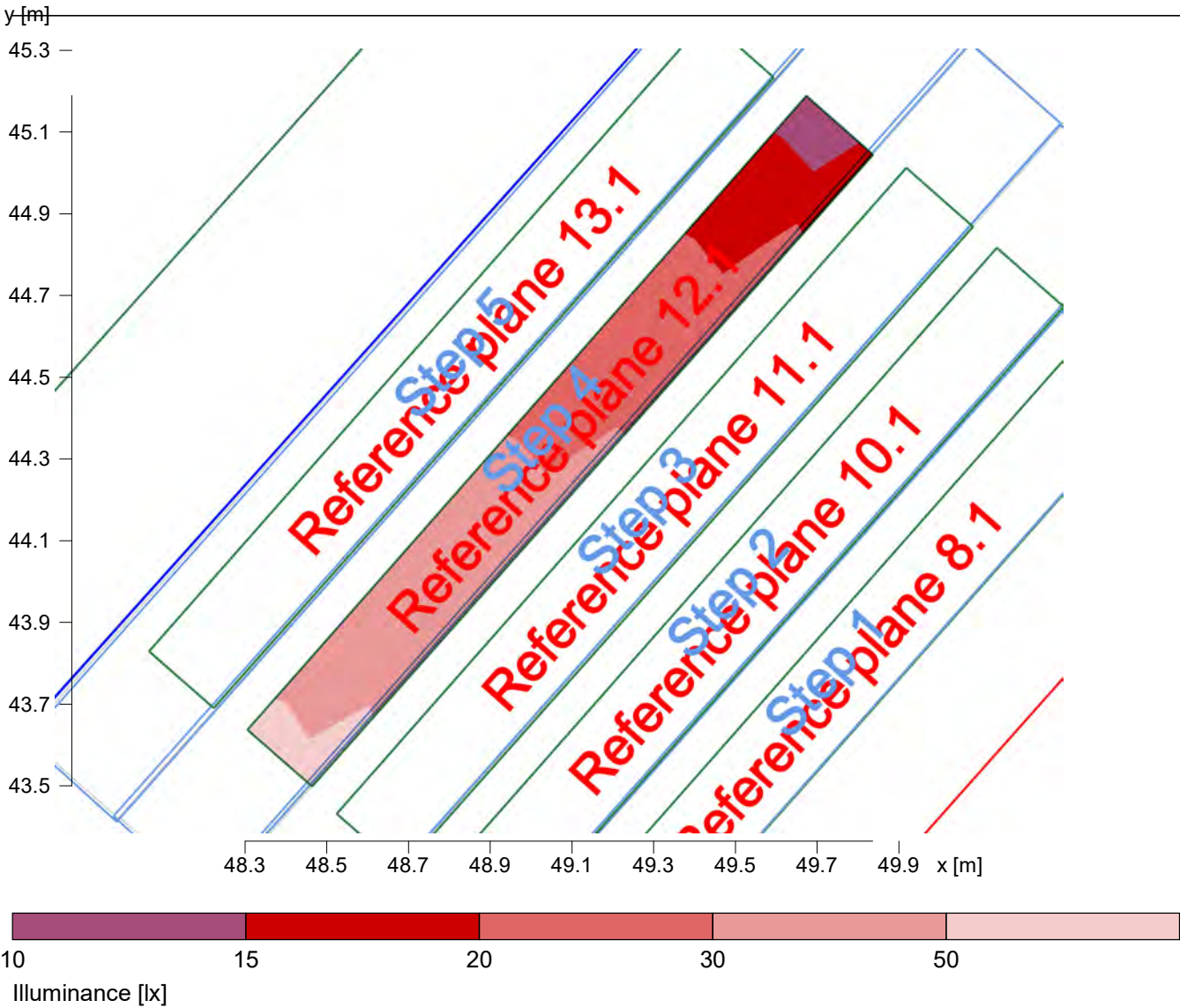
1.3.10 Pseudo colours, Reference plane 11.1 (E)



Height reference plane		: 0.60 m
Average illuminance	$\bar{E}_m$	: 29 lx
Minimum illuminance	E_{min}	: 13.7 lx
Maximum illuminance	E_{max}	: 48 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.10 (0.48)

1.3 Calculation results, Exterior 1

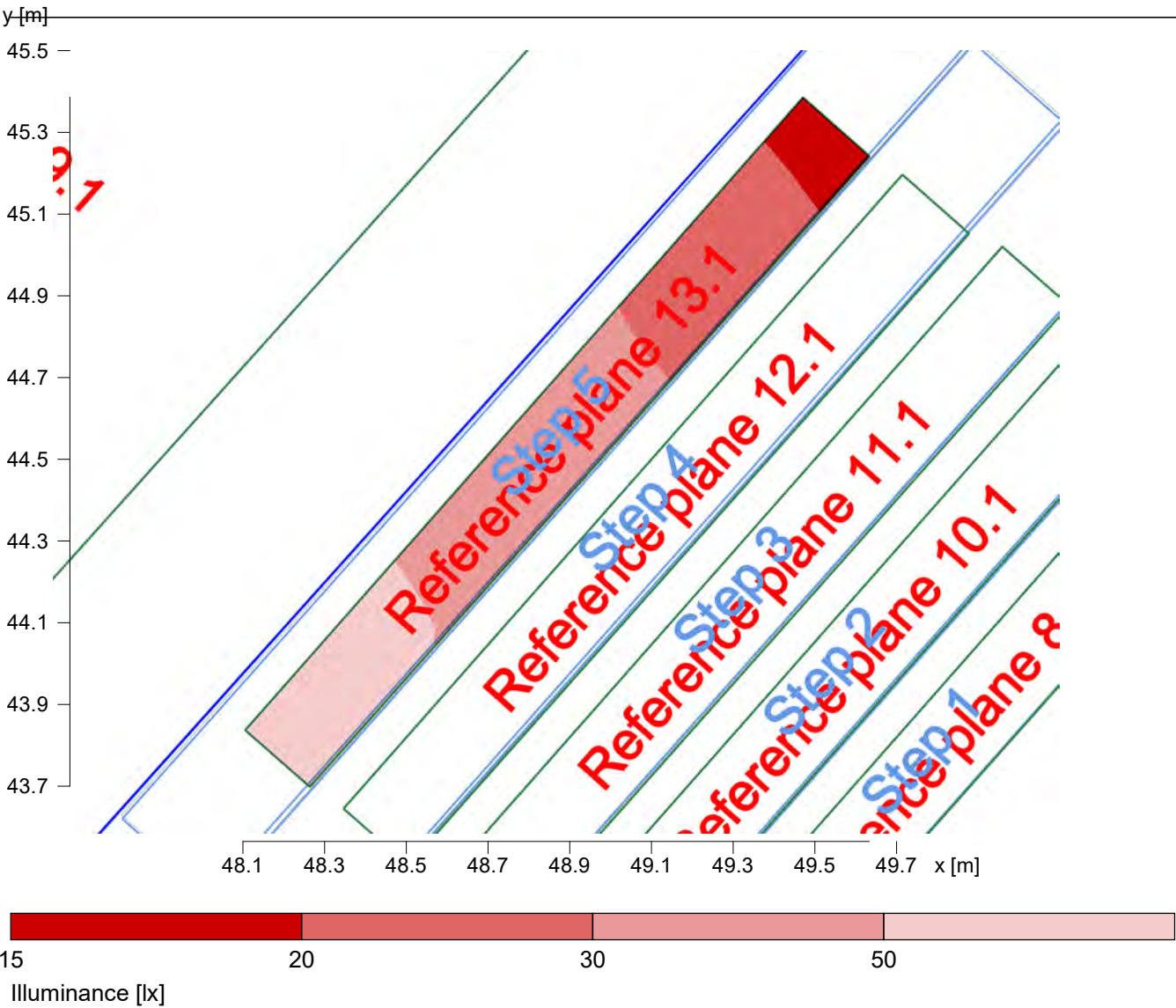
1.3.11 Pseudo colours, Reference plane 12.1 (E)



Height reference plane		: 0.80 m
Average illuminance	$\bar{E}_m$	: 31 lx
Minimum illuminance	E_{min}	: 13.5 lx
Maximum illuminance	E_{max}	: 55 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.32 (0.43)

1.3 Calculation results, Exterior 1

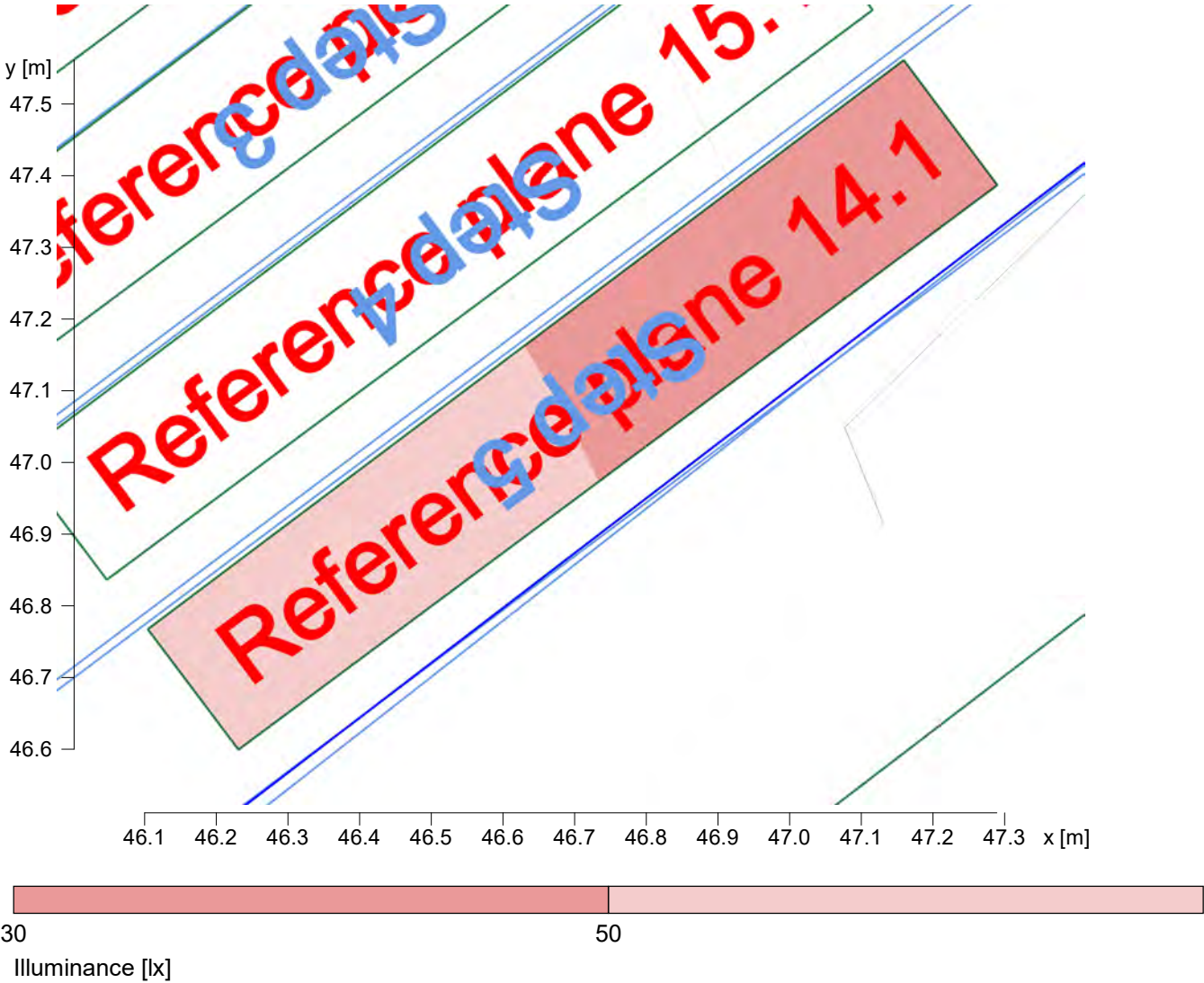
1.3.12 Pseudo colours, Reference plane 13.1 (E)



Height reference plane		: 1.00 m
Average illuminance	$\bar{E}_m$	: 38 lx
Minimum illuminance	E_{min}	: 17.2 lx
Maximum illuminance	E_{max}	: 66 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.24 (0.45)

1.3 Calculation results, Exterior 1

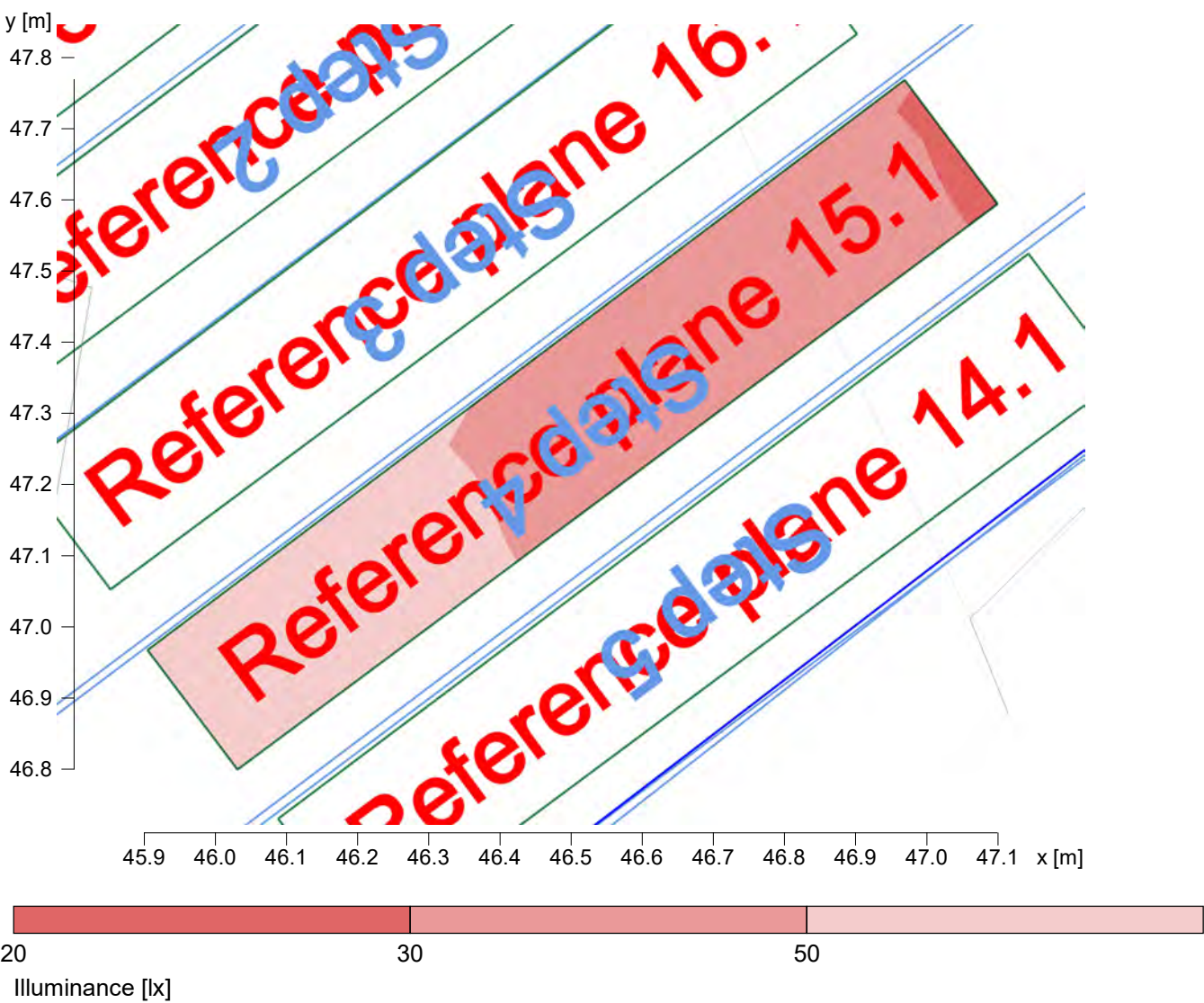
1.3.13 Pseudo colours, Reference plane 14.1 (E)



Height reference plane		: 1.00 m
Average illuminance	$\bar{E}_m$	: 50 lx
Minimum illuminance	E_{min}	: 33 lx
Maximum illuminance	E_{max}	: 71 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.55 (0.65)

1.3 Calculation results, Exterior 1

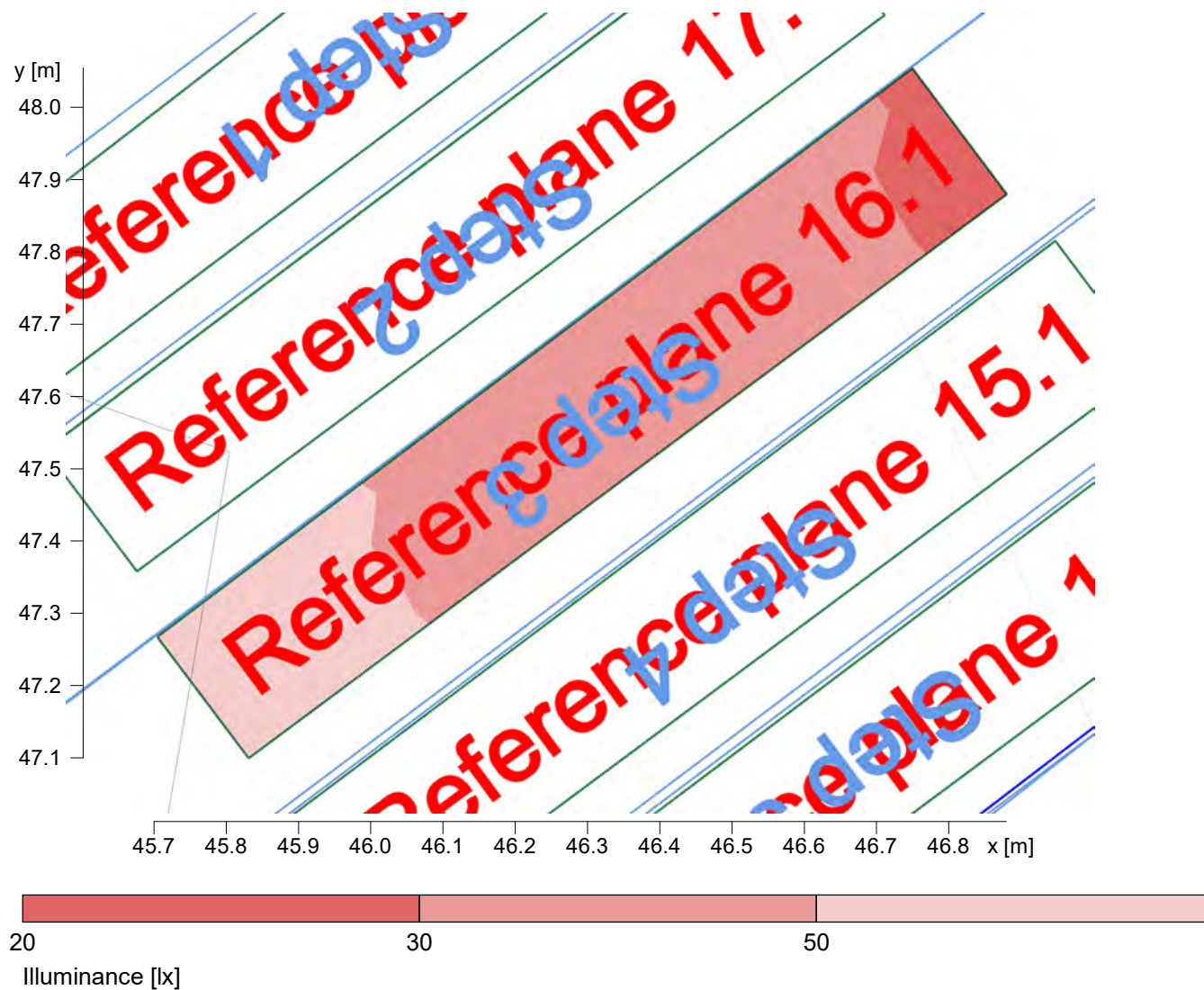
1.3.14 Pseudo colours, Reference plane 15.1 (E)



Height reference plane		: 0.80 m
Average illuminance	$\bar{E}_m$	: 46 lx
Minimum illuminance	E_{min}	: 30 lx
Maximum illuminance	E_{max}	: 65 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.55 (0.65)

UKLED LIGHTING DESIGN

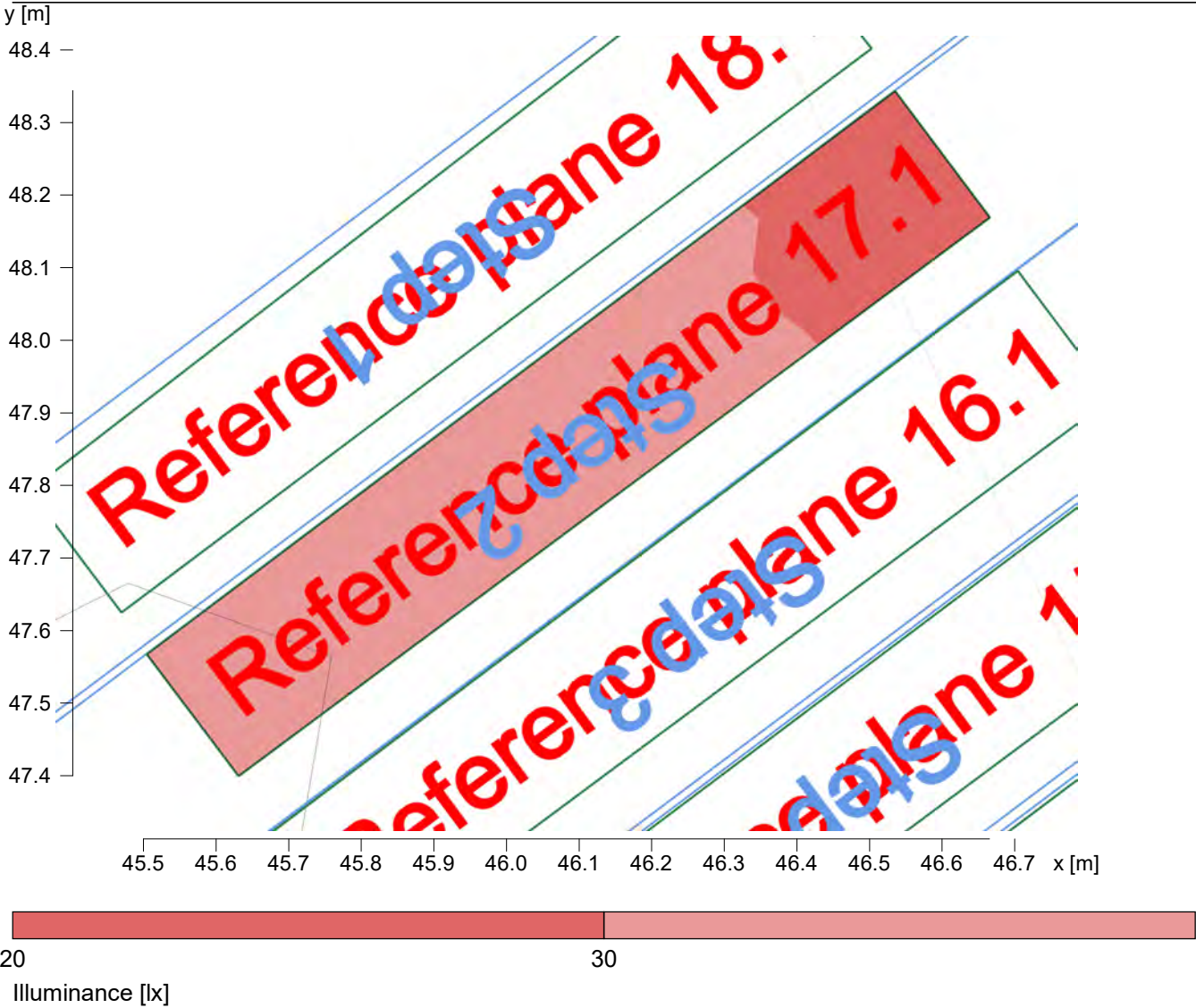
1.3.15 Pseudo colours, Reference plane 16.1 (E)



Height reference plane		: 0.60 m
Average illuminance	$\bar{E}_m$	: 42 lx
Minimum illuminance	E_{min}	: 28 lx
Maximum illuminance	E_{max}	: 57 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.50 (0.67)

1.3 Calculation results, Exterior 1

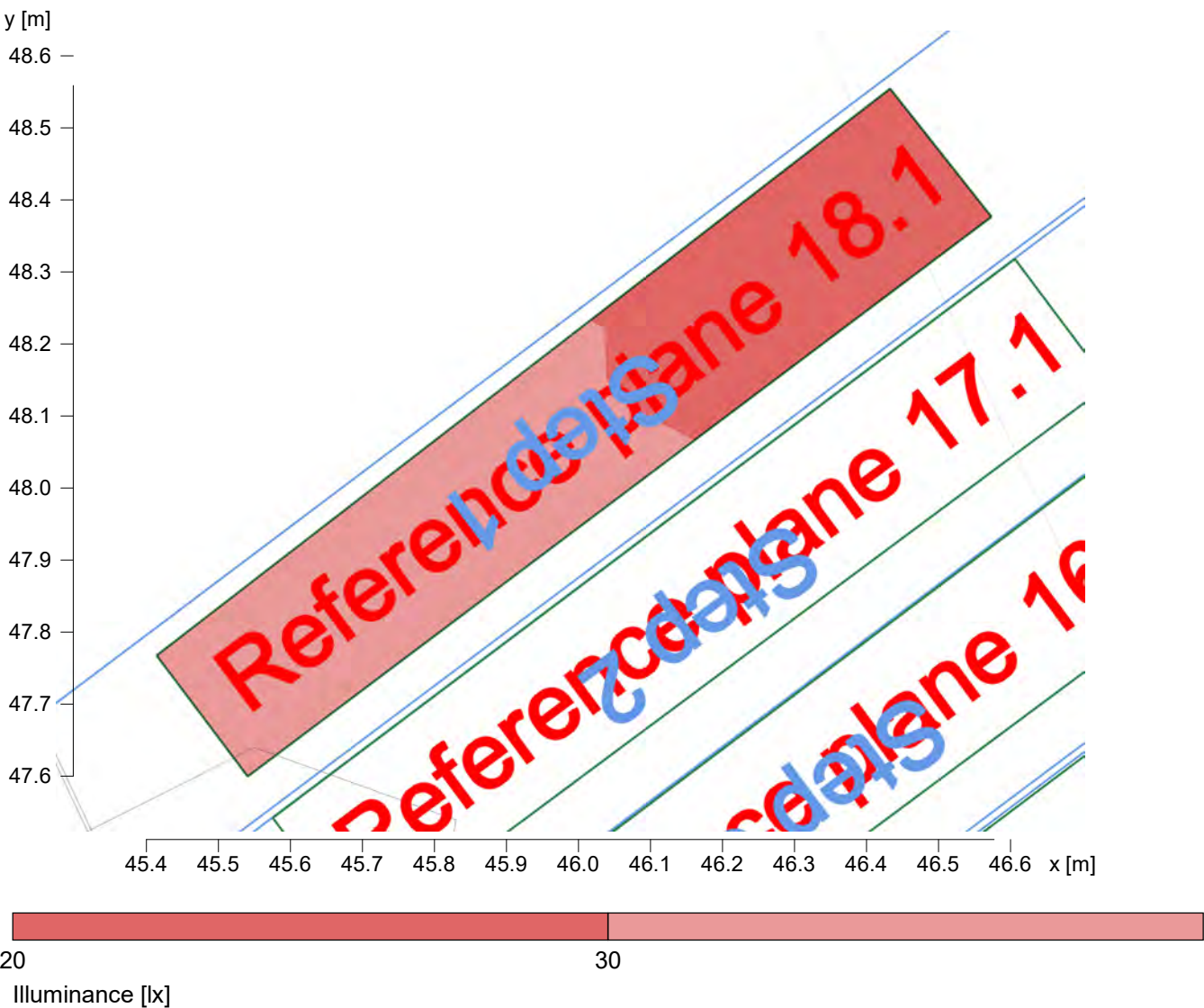
1.3.16 Pseudo colours, Reference plane 17.1 (E)



Height reference plane		: 0.40 m
Average illuminance	$\bar{E}_m$	: 37 lx
Minimum illuminance	E_{min}	: 26 lx
Maximum illuminance	E_{max}	: 48 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.43 (0.70)

1.3 Calculation results, Exterior 1

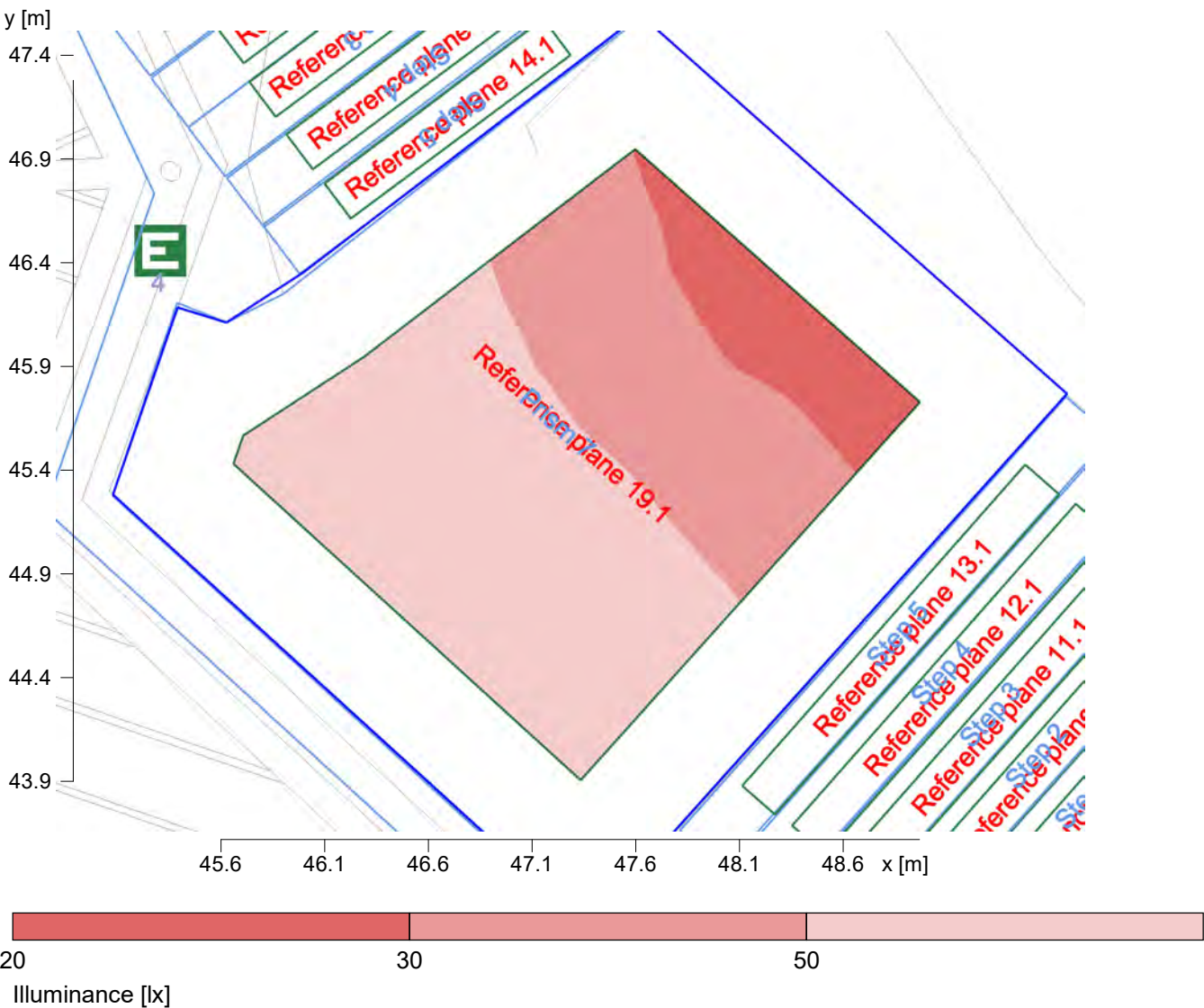
1.3.17 Pseudo colours, Reference plane 18.1 (E)



Height reference plane		: 0.20 m
Average illuminance	$\bar{E}_m$	: 32 lx
Minimum illuminance	E_{min}	: 23 lx
Maximum illuminance	E_{max}	: 41 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.38 (0.73)

1.3 Calculation results, Exterior 1

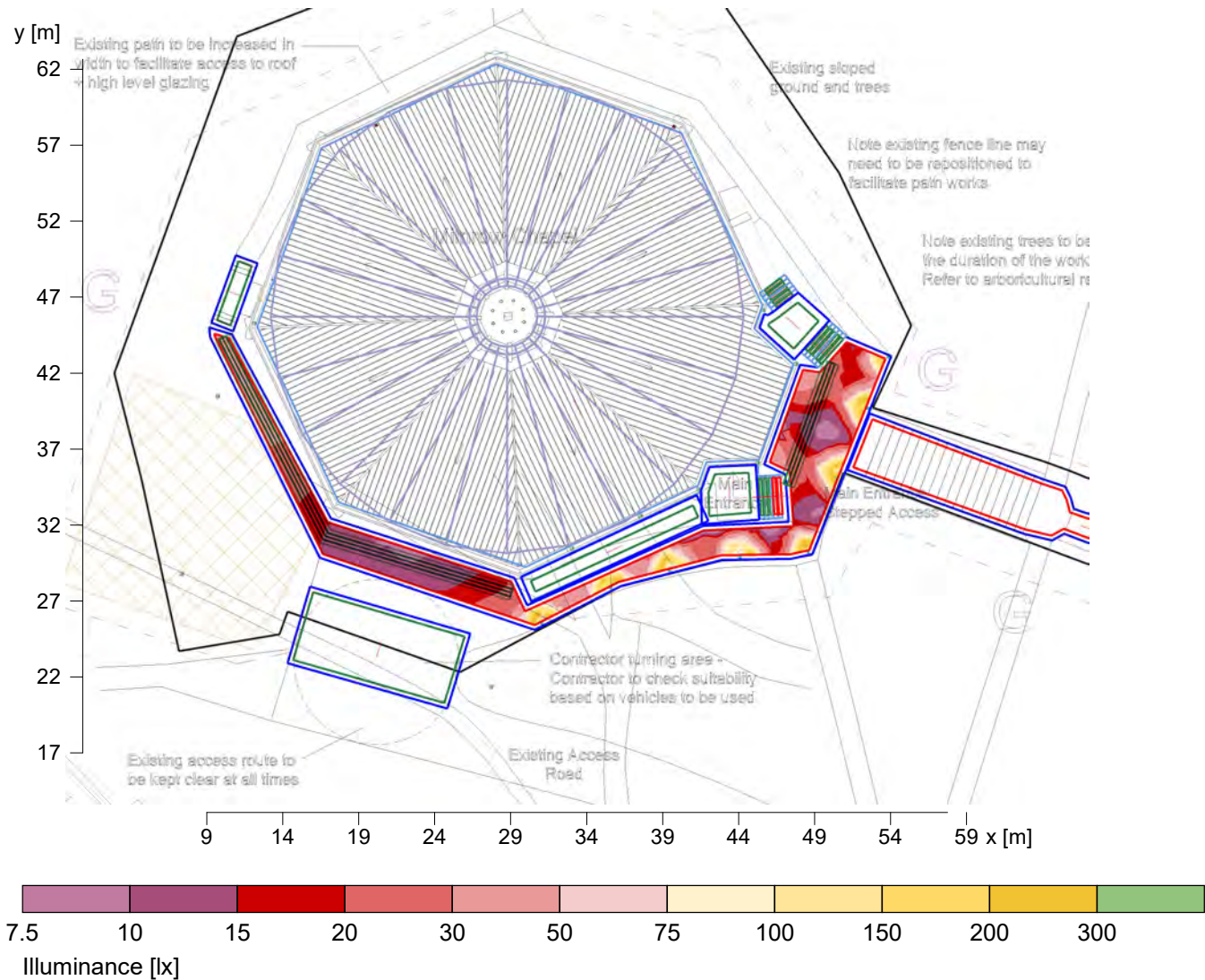
1.3.18 Pseudo colours, Reference plane 19.1 (E)



Height reference plane		: 1.00 m
Average illuminance	$\bar{E}_m$	: 51 lx
Minimum illuminance	E_{min}	: 23 lx
Maximum illuminance	E_{max}	: 73 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.23 (0.45)

1.3 Calculation results, Exterior 1

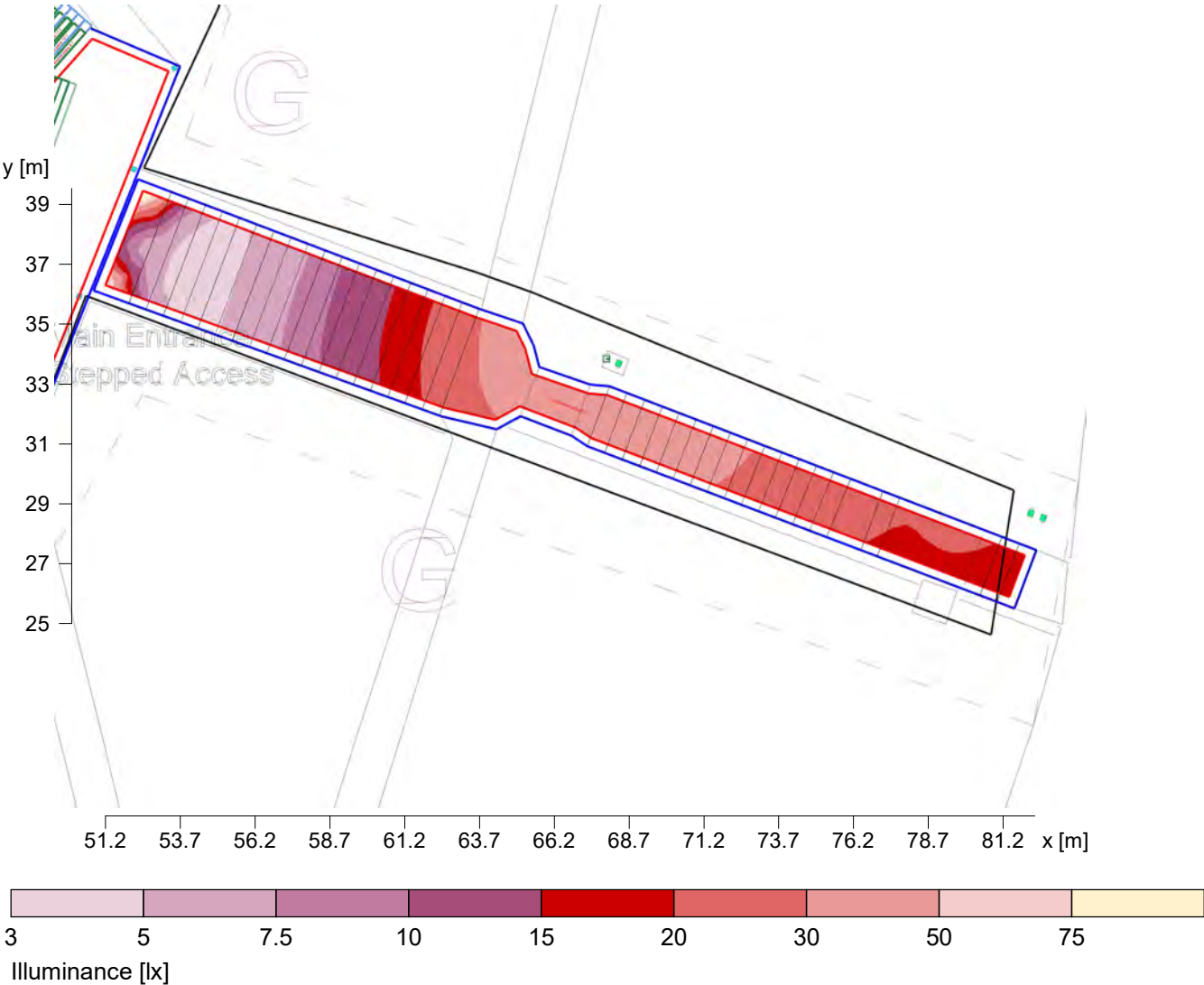
1.3.19 Pseudo colours, Reference plane 20.1 (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 38 lx
Minimum illuminance	E_{min}	: 7.88 lx
Maximum illuminance	E_{max}	: 307 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 4.87 (0.21)

1.3 Calculation results, Exterior 1

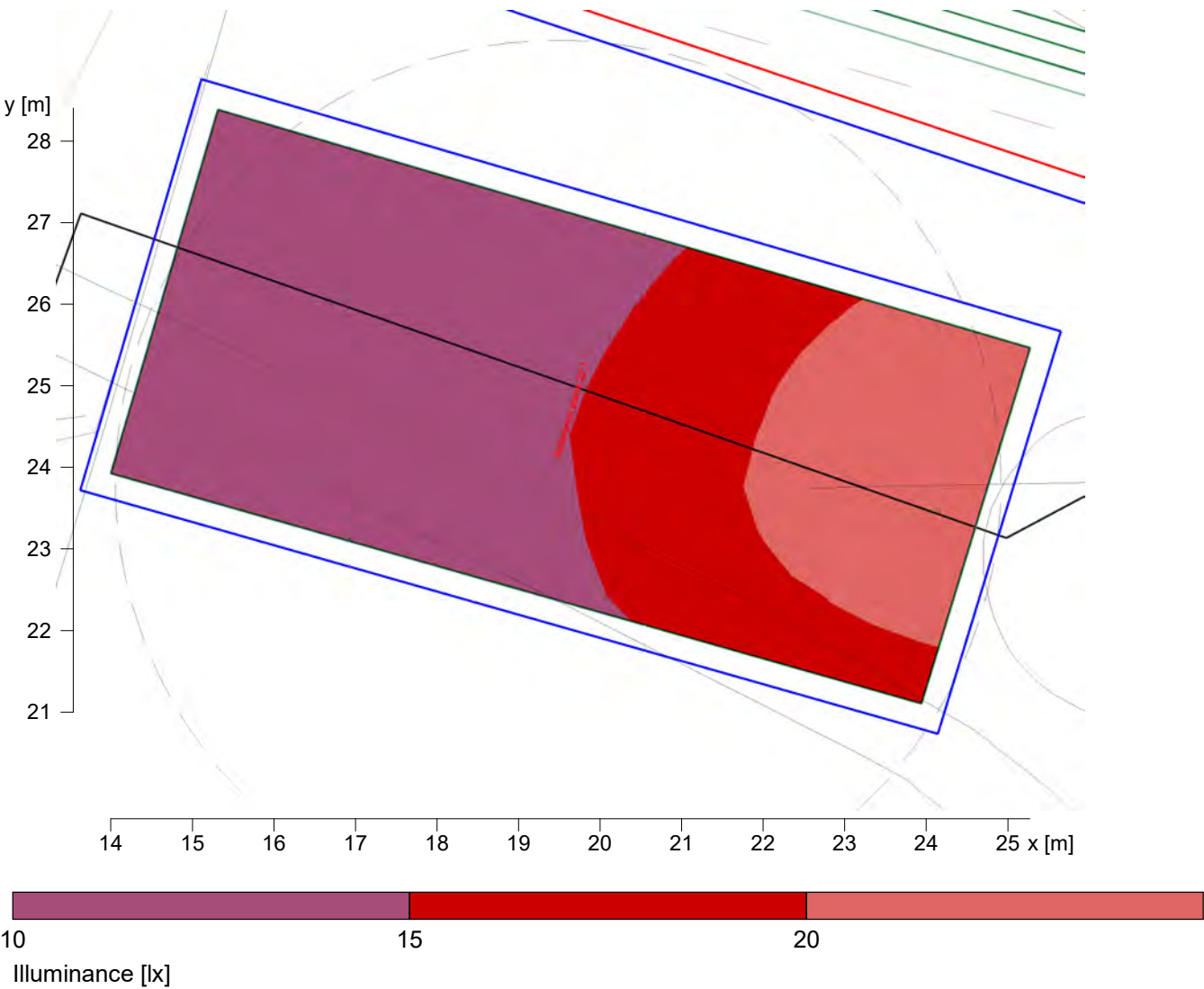
1.3.20 Pseudo colours, Reference plane 21.1 (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 19.4 lx
Minimum illuminance	E_{min}	: 4.27 lx
Maximum illuminance	E_{max}	: 93 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 4.53 (0.22)

1.3 Calculation results, Exterior 1

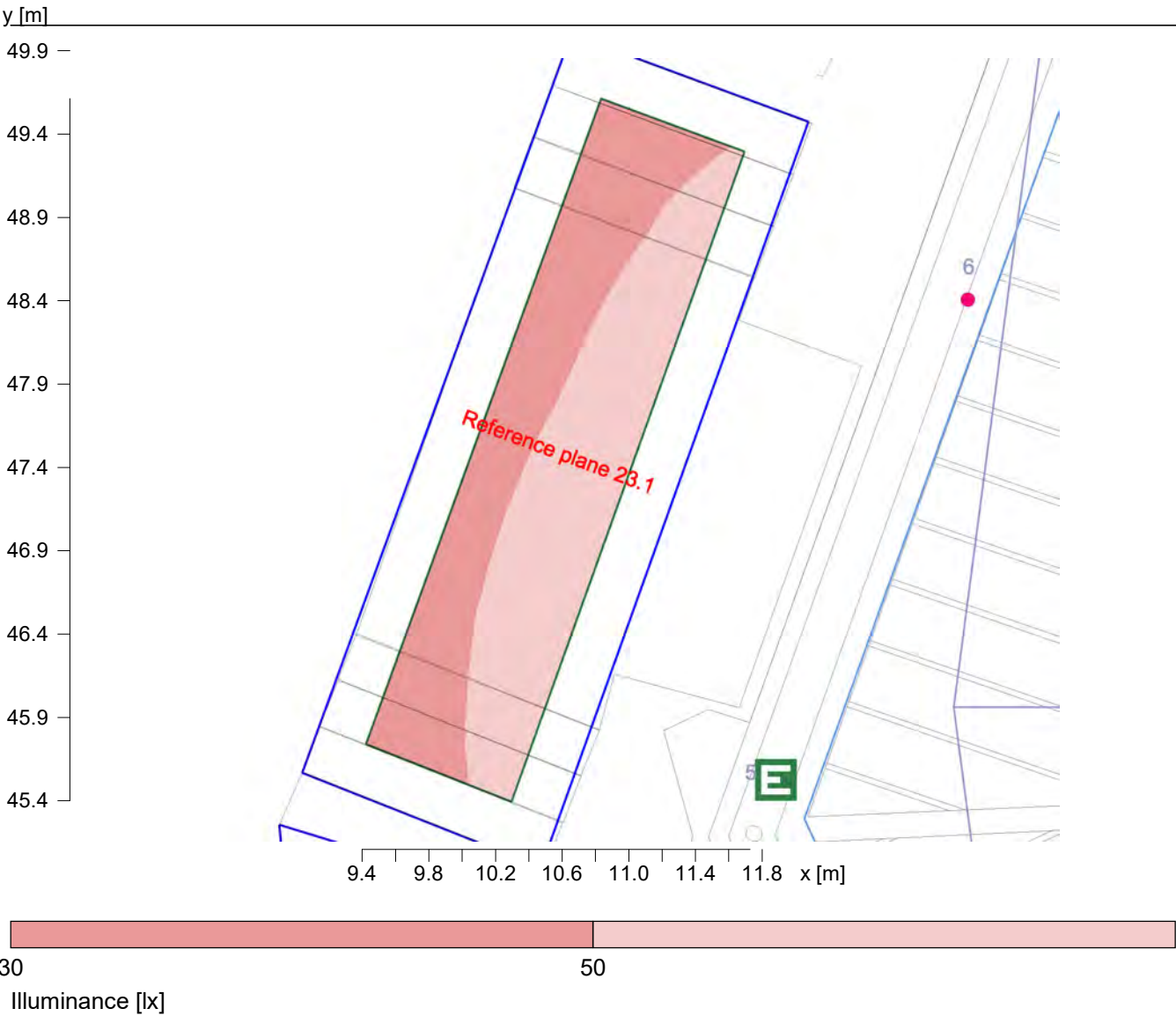
1.3.21 Pseudo colours, Reference plane 22.1 (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 16.1 lx
Minimum illuminance	E_{min}	: 11.1 lx
Maximum illuminance	E_{max}	: 26 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.45 (0.69)

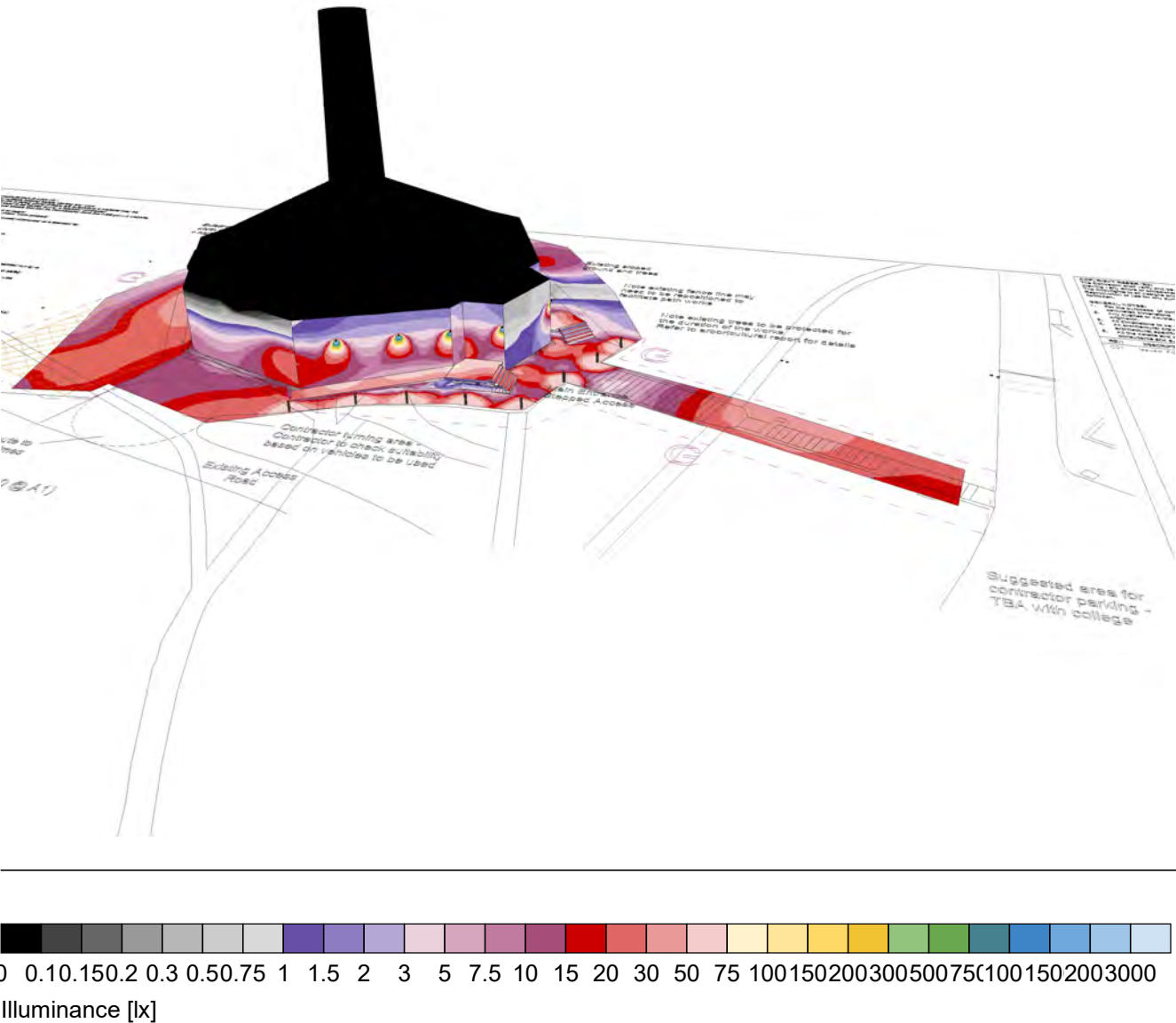
1.3 Calculation results, Exterior 1

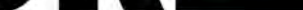
1.3.22 Pseudo colours, Reference plane 23.1 (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 51 lx
Minimum illuminance	E_{min}	: 38 lx
Maximum illuminance	E_{max}	: 61 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.33 (0.75)

1.3 Calculation results, Exterior 1
1.3.23 3D pseudo colours, View 1 (E)





UKLED LIGHTING DESIGN

Object : HHC Chapel
 Installation : External Lighting
 Project number :
 Date : 29.06.2026



1 Exterior 1

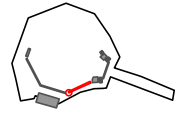
1.4 Summary, Exterior 1

1.4.1.1 Result overview (emergency lighting)

Anti panic area 1.1

Calculation field: 11.82m x 0.91m (66 x 5 pts), Height = 0.43m

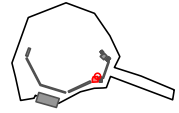
1	2.58 lx	6.36 lx	1: 2.46
	>= 1 lx		>= 1 : 40



Anti panic area 2.1

Calculation field: 2.77m x 2.77m (7 x 7 pts), Height = 1.06m

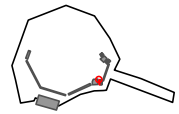
2	1.23 lx	7.79 lx	1: 6.32
	>= 1 lx		>= 1 : 40



Anti panic area 3.1

Calculation field: 0.23m x 2.42m (4 x 43 pts), Height = 1.00m

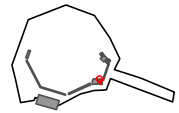
3	0.87 lx	6.27 lx	1: 7.17
	>= 1 lx		>= 1 : 40



Anti panic area 4.1

Calculation field: 0.23m x 2.42m (4 x 43 pts), Height = 0.80m

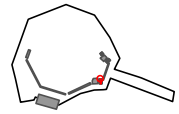
4	0.79 lx	5.33 lx	1: 6.74
	>= 1 lx		>= 1 : 40



Anti panic area 5.1

Calculation field: 0.22m x 2.43m (4 x 45 pts), Height = 0.60m

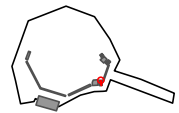
5	0.91 lx	4.66 lx	1: 5.15
	>= 1 lx		>= 1 : 40



Anti panic area 6.1

Calculation field: 0.24m x 2.42m (4 x 41 pts), Height = 0.40m

6	0.96 lx	4.03 lx	1: 4.18
	>= 1 lx		>= 1 : 40



Anti panic area 7.1

Calculation field: 0.27m x 2.42m (4 x 37 pts), Height = 0.20m

7	0.97 lx	3.49 lx	1: 3.61
	>= 1 lx		>= 1 : 40



Anti panic area 8.1

Calculation field: 2.16m x 0.22m (40 x 4 pts), Height = 0.20m

8	1.22 lx	3.48 lx	1: 2.84
	>= 1 lx		>= 1 : 40



Anti panic area 10.1

Calculation field: 2.13m x 0.22m (40 x 4 pts), Height = 0.40m

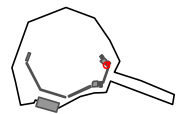
9	1.26 lx	4.03 lx	1: 3.20
	>= 1 lx		>= 1 : 40



Anti panic area 11.1

Calculation field: 2.11m x 0.22m (39 x 4 pts), Height = 0.60m

10	1.25 lx	4.61 lx	1: 3.69
	>= 1 lx		>= 1 : 40



Object : HHC Chapel
 Installation : External Lighting
 Project number :
 Date : 29.06.2026



1 Exterior 1

1.4 Summary, Exterior 1

1.4.1.1 Result overview (emergency lighting)

Anti panic area 12.1

Calculation field: 2.07m x 0.22m (38 x 4 pts), Height = 0.80m

11	1.24 lx	5.31 lx	1: 4.29
	>= 1 lx		>= 1 : 40



Anti panic area 13.1

Calculation field: 2.06m x 0.22m (38 x 4 pts), Height = 1.00m

12	1.44 lx	6.36 lx	1: 4.41
	>= 1 lx		>= 1 : 40



Anti panic area 14.1

Calculation field: 1.32m x 0.22m (25 x 4 pts), Height = 1.00m

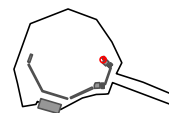
13	2.94 lx	6.87 lx	1: 2.34
	>= 1 lx		>= 1 : 40



Anti panic area 15.1

Calculation field: 1.33m x 0.22m (25 x 4 pts), Height = 0.80m

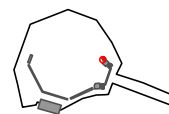
14	2.74 lx	6.31 lx	1: 2.31
	>= 1 lx		>= 1 : 40



Anti panic area 16.1

Calculation field: 1.31m x 0.22m (25 x 4 pts), Height = 0.60m

15	2.64 lx	5.59 lx	1: 2.12
	>= 1 lx		>= 1 : 40



Anti panic area 17.1

Calculation field: 1.29m x 0.22m (24 x 4 pts), Height = 0.40m

16	2.44 lx	4.82 lx	1: 1.97
	>= 1 lx		>= 1 : 40



Anti panic area 18.1

Calculation field: 1.29m x 0.23m (23 x 4 pts), Height = 0.20m

17	2.22 lx	4.12 lx	1: 1.85
	>= 1 lx		>= 1 : 40



Anti panic area 19.1

Calculation field: 2.33m x 2.45m (7 x 7 pts), Height = 1.00m

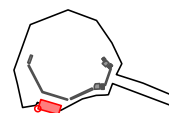
18	1.62 lx	7.16 lx	1: 4.42
	>= 1 lx		>= 1 : 40



Anti panic area 22.1

Calculation field: 4.66m x 10.37m (8 x 18 pts), Height = 0.00m

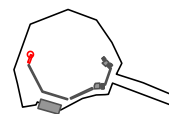
19	1.34 lx	3.22 lx	1: 2.41
	>= 0.5 lx		>= 1 : 40



Anti panic area 23.1

Calculation field: 0.95m x 4.14m (5 x 22 pts), Height = 0.00m

20	1.29 lx	5.05 lx	1: 3.92
	>= 0.5 lx		>= 1 : 40



Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1 Exterior 1

1.4 Summary, Exterior 1

1.4.1.1 Result overview (emergency lighting)

Type No.\Make

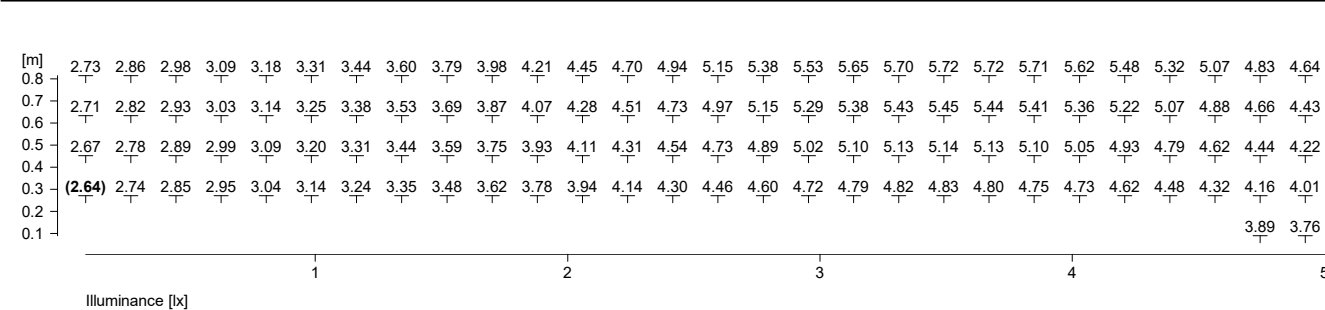
1 7E x **Ansell**
 Order No. : AREFM/D/B/1 - 3000K -- Emergency Lighting --
Luminaire name : WALL LIGHTS - Reef M
Equipment : 1 x LED 13.5 W / 1500 lm
Emergency : 150 lm (10.0 %)
Maintenance factor: 0.80

4 4E x **Kingfisher Lighting Ltd**
 Order No. : 40W LED 2700K VIVA-CITY Pro 1050mA with FW70 forward throw optic -- Emergency Lighting --
Luminaire name : Viva City Pro
Equipment : 1 x Lumiled 5050 LED Array, >70CRI, 2700K, TM65 105kg CO₂e, TM66 2.9 40 W / 523 lm
Emergency : 655 lm (12.5 %)
Maintenance factor: 0.80



1.4 Calculation results, Exterior 1

1.4.2 Table, Anti panic area 1.1 (E)



Part1

Required minimum illuminance	: 1 lx (lower values are highlighted in red)		
Minimum illuminance	Emin	: 2.6 lx	
Maximum illuminance	Emax	: 6.3 lx	
Diversity	Emin/Emax	: 1 : 2.37 (0.42) (Threshold value 1:40)	
Calculation algorithm used	: Direct component		
Maintenance factor	: 0.8		

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1
1.4.2 Table, Anti panic area 1.1 (E)

4.47	4.36	4.30	4.28	4.21	4.15	4.05	3.96	3.93	3.97	4.10	4.28	4.57	4.89	5.25	5.56	5.81	6.00	6.10	6.18	6.21	[6.26]	6.20	6.08	5.92	5.69	5.51	5.40	5.31
4.27	4.15	4.10	4.06	4.02	3.96	3.84	3.76	3.72	3.75	3.87	4.02	4.29	4.58	4.92	5.19	5.42	5.59	5.68	5.75	5.77	5.79	5.77	5.67	5.54	5.37	5.19	5.04	5.01
4.04	3.94	3.89	3.85	3.83	3.74	3.62	3.55	3.51	3.52	3.62	3.76	4.00	4.29	4.55	4.79	4.99	5.14	5.22	5.28	5.30	5.32	5.31	5.22	5.10	4.98	4.86	4.74	4.68
3.88	3.74	3.66	3.62	3.59	3.50	3.40	3.32	3.28	3.29	3.37	3.52	3.75	3.96	4.18	4.38	4.56	4.68	4.75	4.80	4.81	4.79	4.82	4.75	4.67	4.56	4.47	4.41	4.39
3.64	3.55	3.42	3.39	3.32	3.24	3.17	3.10	3.05	3.08	3.11	3.30	3.46	3.64	3.82	3.98	4.13	4.20	4.28	4.33	4.34	4.32	4.35	4.30	4.22	4.14	4.07	4.03	4.02
5					6					7					8						9						10	



Part2



1.4 Calculation results, Exterior 1

1.4.2 Table, Anti panic area 1.1 (E)

5.27	5.22	5.20	5.16	5.11	5.15	5.28	5.54	5.83
4.99	4.94	4.92	4.82	4.78	4.80	4.90	5.12	5.42
4.67	4.64	4.57	4.47	4.42	4.43	4.53	4.74	5.00
4.33	4.31	4.22	4.13	4.06	4.06	4.17	4.32	4.57
4.03	3.94	3.86	3.77	3.71	3.70	3.80	3.93	4.13
11 [m]								



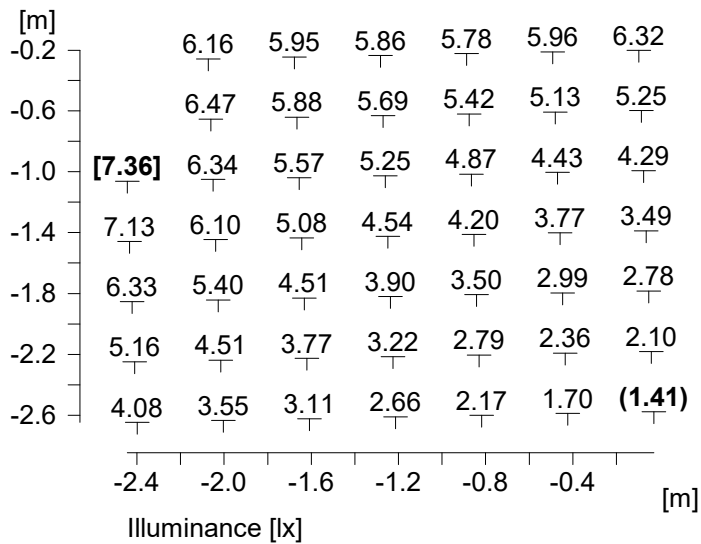
Part3

Object : HHC Chapel
 Installation : External Lighting
 Project number :
 Date : 29.06.2026



1.4 Calculation results, Exterior 1

1.4.3 Table, Anti panic area 2.1 (E)



Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 1.4 lx (* 1.2 lx)
 Maximum illuminance Emax : 7.4 lx (* 7.8 lx)
 Diversity Emin/Emax : 1 : 5.24 (0.19) (Threshold value 1:40) (* 1:6.32)
 Height : 1.1 m
 Calculation algorithm used : Direct component
 Maintenance factor : 0.8

*: Values on fine measuring grid (0.1m - 0.5m)!

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1

1.4.4 Table, Anti panic area 3.1 (E)

	[6.17]	6.15	6.12
	6.00	5.98	5.95
	5.81	5.80	5.77
[m]	5.63	5.62	5.59
-0.2	5.45	5.44	5.41
	5.27	5.26	5.24
	5.10	5.08	5.06
-0.4	4.92	4.91	4.89
	4.75	4.74	4.72
	4.59	4.57	4.55
-0.6	4.42	4.41	4.39
	4.27	4.25	4.24
	4.12	4.10	4.08
-0.8	3.97	3.95	3.94
	3.82	3.81	3.79
	3.69	3.67	3.65
-1.0	3.55	3.54	3.52
	3.43	3.41	3.40
	3.31	3.29	3.28
-1.2	3.19	3.18	3.16
	3.09	3.07	3.06
	2.98	2.97	2.95
-1.4	2.88	2.86	2.85
	2.77	2.76	2.75
	2.68	2.66	2.65
-1.6	2.58	2.56	2.55
	2.47	2.46	2.45
	2.36	2.35	2.34
-1.8	2.25	2.24	2.23
	2.14	2.13	2.11
	2.02	2.01	2.00
	1.93	1.91	1.90
	1.83	1.81	1.80
	1.71	1.70	1.68
		1.59	1.58
			1.56



Part1

Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 0.91 lx
Maximum illuminance Emax : 6.2 lx
Diversity Emin/Emax : 1 : 6.79 (0.15) (Threshold value 1:40)
Height : 1 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8



1.4 Calculation results, Exterior 1

1.4.4 Table, Anti panic area 3.1 (E)



Part2

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1

1.4.5 Table, Anti panic area 4.1 (E)

	[5.24]	5.19	5.15
	5.10	5.06	5.01
	4.96	4.92	4.87
[m]	4.82	4.78	4.74
-0.2	4.67	4.64	4.59
	4.53	4.49	4.45
	4.39	4.35	4.31
-0.4	4.25	4.22	4.18
	4.13	4.08	4.04
	3.99	3.94	3.90
-0.6	3.86	3.81	3.77
	3.72	3.68	3.65
	3.59	3.55	3.52
-0.8	3.47	3.43	3.40
	3.34	3.31	3.28
	3.22	3.19	3.16
-1.0	3.10	3.07	3.05
	2.99	2.97	2.95
	2.89	2.87	2.84
	2.78	2.77	2.74
-1.2	2.69	2.67	2.65
	2.59	2.58	2.55
	2.51	2.49	2.47
-1.4	2.42	2.41	2.38
	2.33	2.32	2.30
	2.25	2.24	2.23
-1.6	2.17	2.16	2.15
	2.09	2.08	2.07
	2.01	2.00	1.99
-1.8	1.93	1.92	1.91
	1.84	1.83	1.82
	1.75	1.74	1.73
	1.66	1.65	1.64
	1.57	1.56	1.55
		1.47	1.46
			1.44



Part1

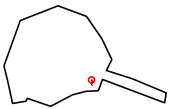
Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 0.82 lx
Maximum illuminance Emax : 5.2 lx
Diversity Emin/Emax : 1 : 6.36 (0.16) (Threshold value 1:40)
Height : 0.8 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8



1.4 Calculation results, Exterior 1

1.4.5 Table, Anti panic area 4.1 (E)

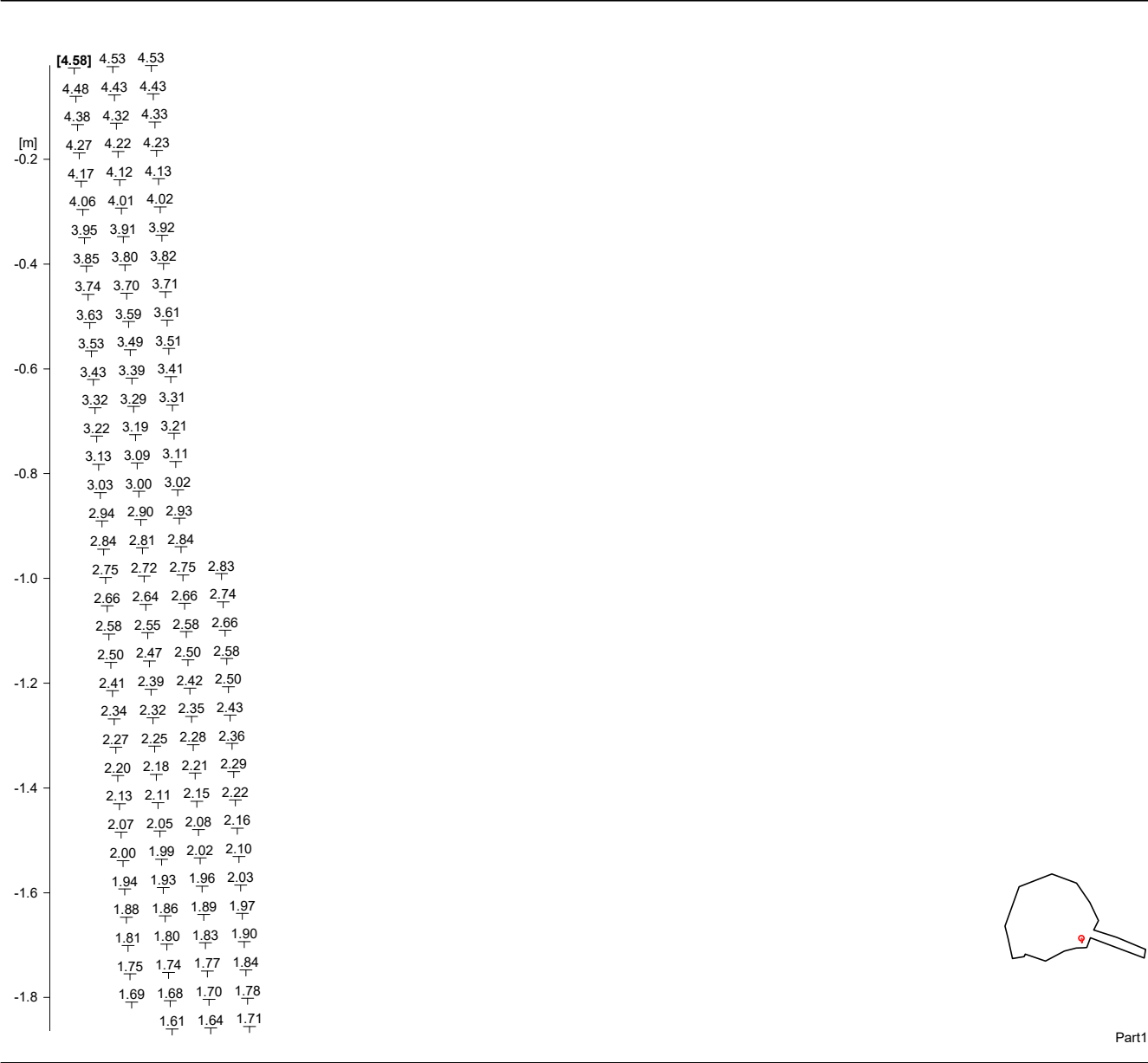


Part2



1.4 Calculation results, Exterior 1

1.4.6 Table, Anti panic area 5.1 (E)

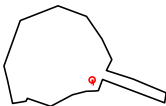


Required minimum illuminance	: 1 lx (lower values are highlighted in red)
Minimum illuminance	Emin : 0.94 lx
Maximum illuminance	Emax : 4.6 lx
Diversity	Emin/Emax : 1 : 4.90 (0.20) (Threshold value 1:40)
Height	: 0.6 m
Calculation algorithm used	: Direct component
Maintenance factor	: 0.8



1.4 Calculation results, Exterior 1

1.4.6 Table, Anti panic area 5.1 (E)



Part2

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1

1.4.7 Table, Anti panic area 6.1 (E)

	[3.97]	3.92	3.86
	3.87	3.81	3.76
	3.78	3.72	3.68
[m]	3.69	3.63	3.57
-0.2	3.60	3.54	3.48
	3.51	3.45	3.40
	3.42	3.37	3.33
-0.4	3.33	3.27	3.27
	3.24	3.19	3.18
	3.14	3.10	3.10
-0.6	3.06	3.01	3.01
	2.97	2.92	2.93
	2.88	2.84	2.84
-0.8	2.79	2.75	2.76
	2.71	2.67	2.68
	2.63	2.59	2.60
-1.0	2.54	2.51	2.52
	2.46	2.43	2.44
	2.39	2.35	2.37
-1.2	2.31	2.28	2.29
	2.24	2.21	2.22
	2.16	2.14	2.15
-1.4	2.10	2.07	2.09
	2.03	2.01	2.03
	1.97	1.95	1.97
-1.6	1.91	1.89	1.91
	1.86	1.84	1.86
	1.80	1.78	1.80
-1.8	1.74	1.72	1.74
	1.69	1.67	1.69
	1.63	1.61	1.63
-2.0	1.57	1.56	1.58
	1.52	1.50	1.52
	1.46	1.44	1.46
		1.40	1.46



Part1

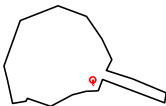
Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 1 lx
Maximum illuminance Emax : 4 lx
Diversity Emin/Emax : 1 : 3.97 (0.25) (Threshold value 1:40)
Height : 0.4 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8



1.4 Calculation results, Exterior 1

1.4.7 Table, Anti panic area 6.1 (E)



Part2

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1

1.4.8 Table, Anti panic area 7.1 (E)

	[3.42]	3.35	3.28
	3.36	3.29	3.21
	3.28	3.21	3.15
-0.2	3.19	3.14	3.08
	3.10	3.07	3.00
	3.02	2.96	2.93
-0.4	2.92	2.87	2.85
	2.85	2.80	2.74
	2.77	2.72	2.66
-0.6	2.69	2.64	2.59
	2.61	2.56	2.51
	2.54	2.49	2.44
-0.8	2.46	2.42	2.37
	2.39	2.34	2.30
	2.31	2.27	2.23
-1.0	2.24	2.20	2.16
	2.17	2.14	2.10
	2.10	2.07	2.03
-1.2	2.04	2.00	1.97
	1.97	1.94	1.91
	1.91	1.88	1.85
-1.4	1.85	1.82	1.80
	1.79	1.77	1.74
	1.74	1.72	1.69
-1.6	1.69	1.67	1.64
	1.64	1.62	1.59
	1.59	1.56	1.54
-1.8	1.53	1.51	1.49
	1.48	1.46	1.44
	1.43	1.41	1.39
-2.0	1.38	1.36	1.34
	1.33	1.31	1.29
	1.28	1.26	1.24
-2.2	1.22	1.20	1.18



Part1

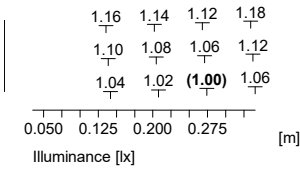
Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 1 lx
Maximum illuminance Emax : 3.4 lx
Diversity Emin/Emax : 1 : 3.42 (0.29) (Threshold value 1:40)
Height : 0.2 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8



1.4 Calculation results, Exterior 1

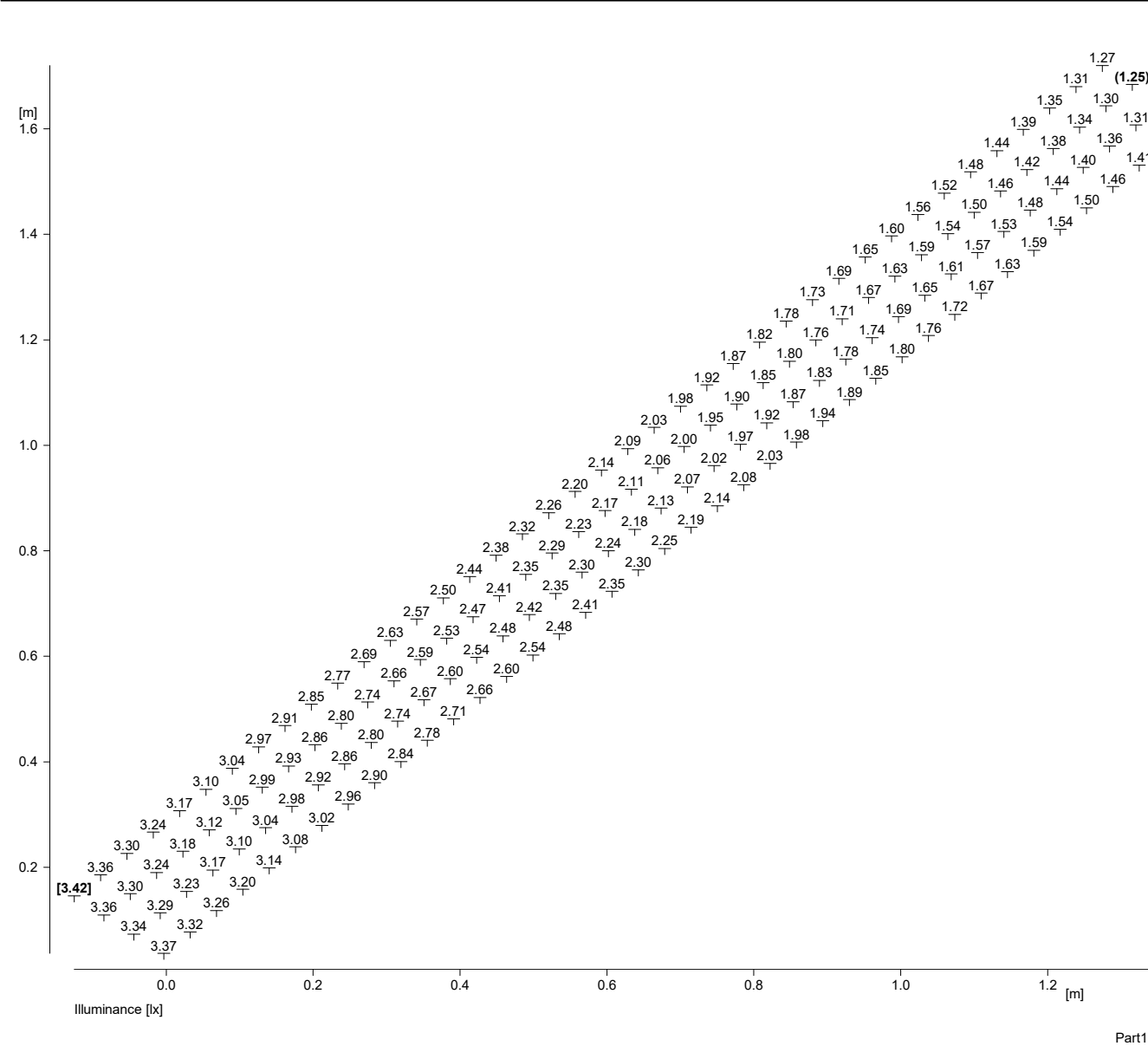
1.4.8 Table, Anti panic area 7.1 (E)



Part2

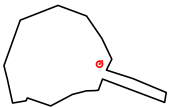
1.4 Calculation results, Exterior 1

1.4.9 Table, Anti panic area 8.1 (E)



Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 1.3 lx
Maximum illuminance Emax : 3.4 lx
Diversity Emin/Emax : 1 : 2.73 (0.37) (Threshold value 1:40)
Height : 0.2 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8





1.4 Calculation results, Exterior 1

1.4.9 Table, Anti panic area 8.1 (E)

1.27
└
1.32
└
1.37
└

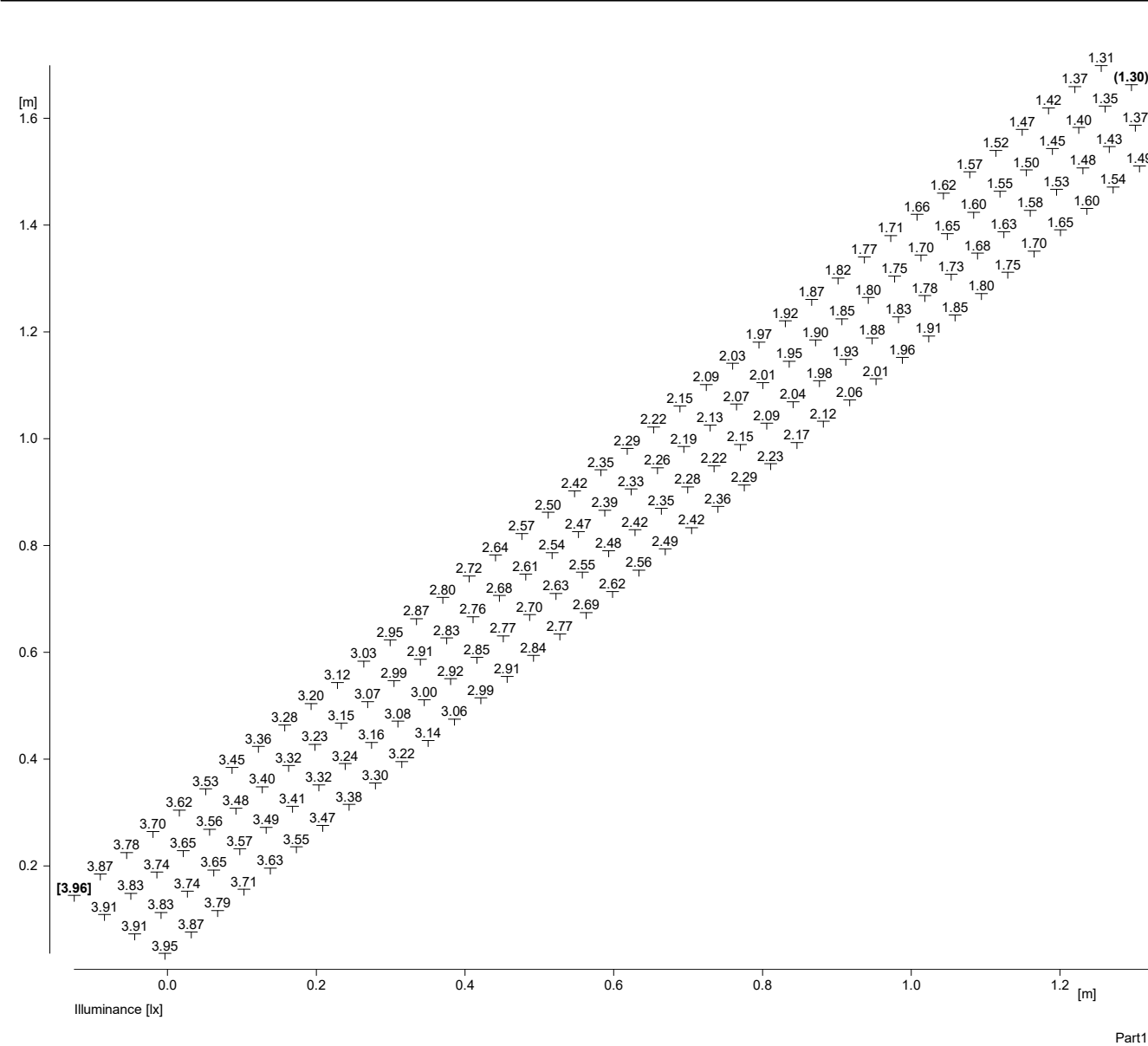


Part2



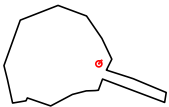
1.4 Calculation results, Exterior 1

1.4.10 Table, Anti panic area 10.1 (E)



Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 1.3 lx
Maximum illuminance Emax : 4 lx
Diversity Emin/Emax : 1 : 3.06 (0.33) (Threshold value 1:40)
Height : 0.4 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8





1.4 Calculation results, Exterior 1

1.4.10 Table, Anti panic area 10.1 (E)

1.32

1.38

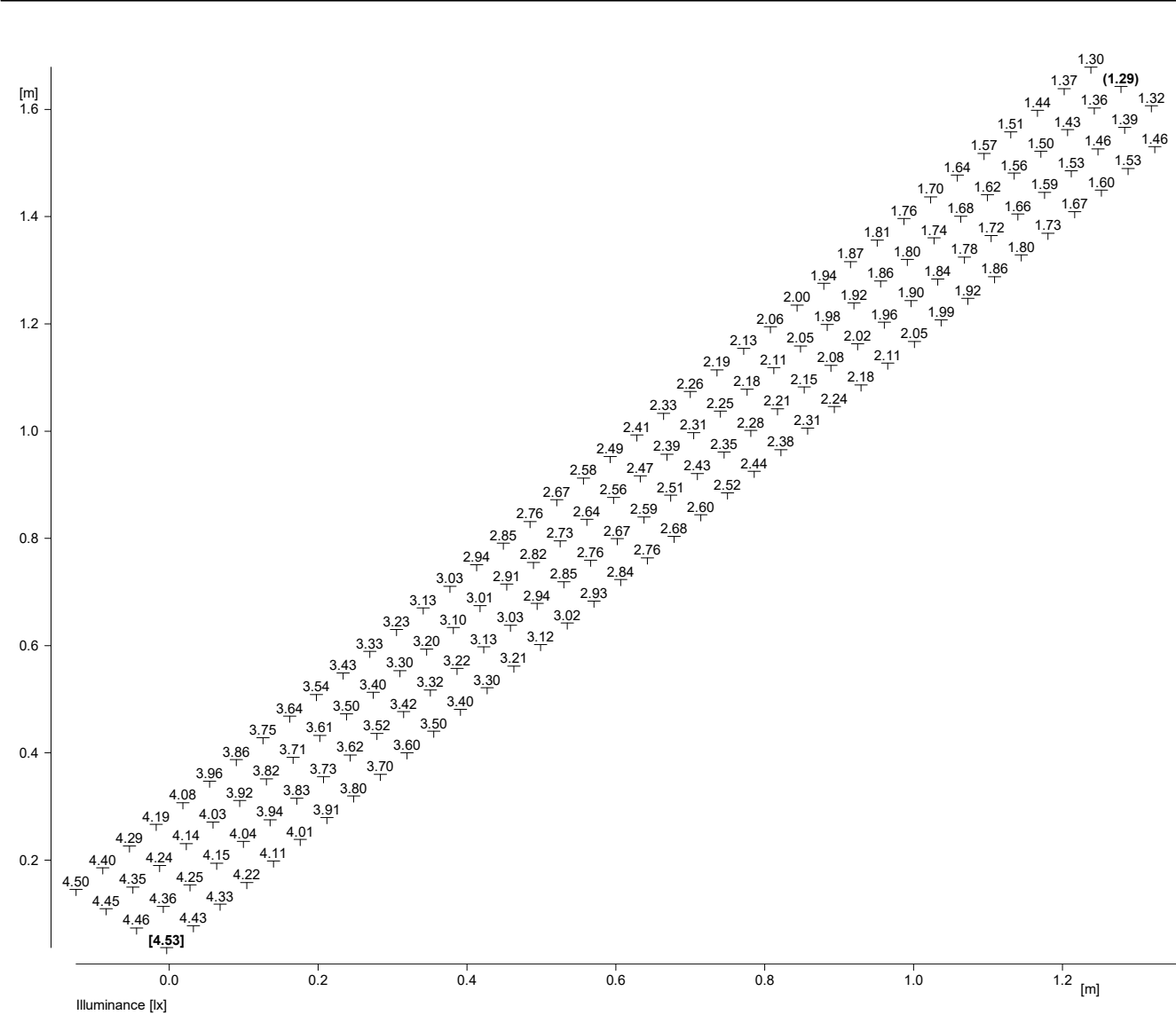
1.44



Part2

1.4 Calculation results, Exterior 1

1.4.11 Table, Anti panic area 11.1 (E)



Part1

Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 1.3 lx
Maximum illuminance Emax : 4.5 lx
Diversity Emin/Emax : 1 : 3.51 (0.28) (Threshold value 1:40)
Height : 0.6 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8



Object : HHC Chapel
Installation : External Lighting
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1.4 Calculation results, Exterior 1
1.4.11 Table, Anti panic area 11.1 (E)

1.38
T



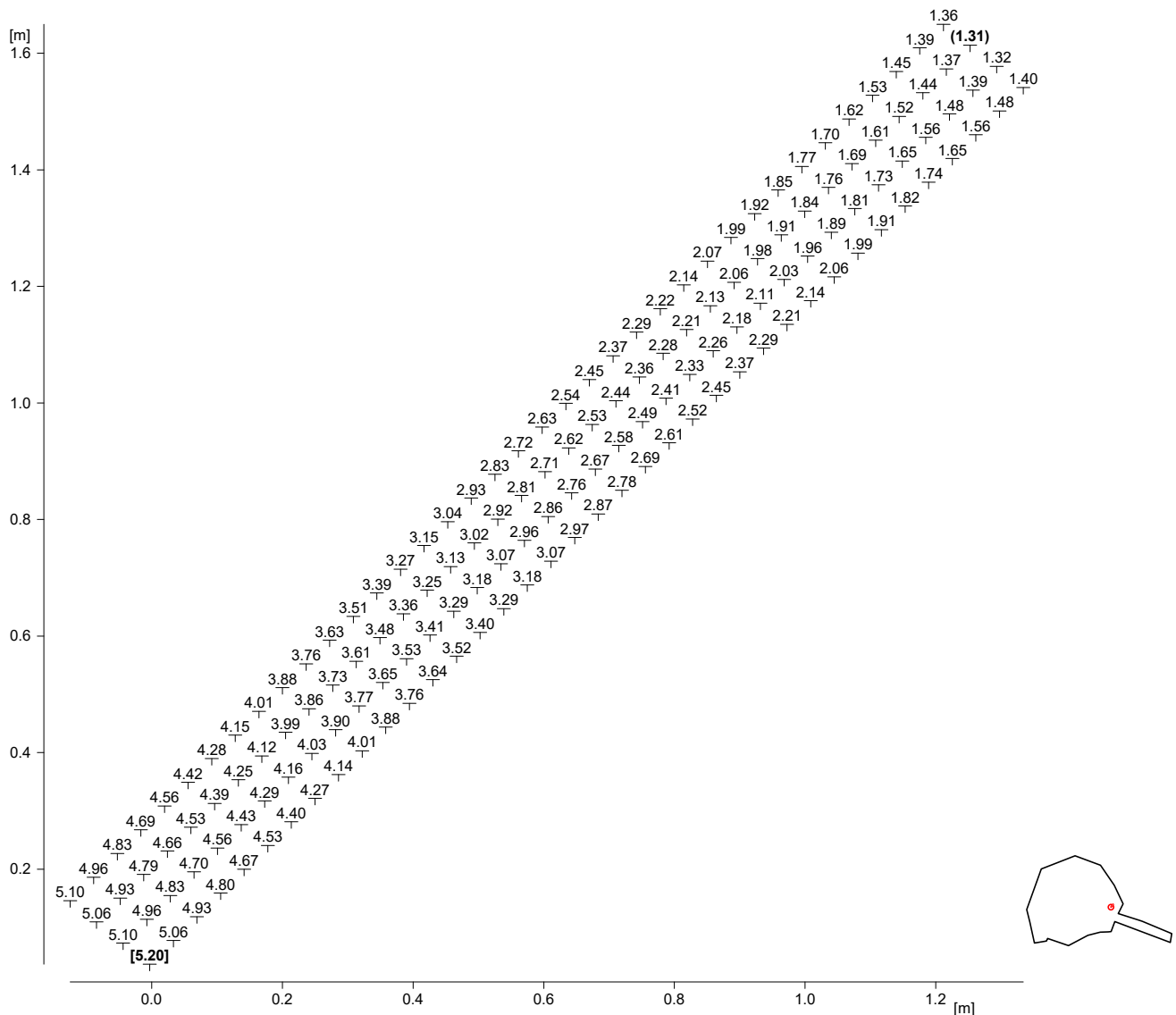
Part2

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1

1.4.12 Table, Anti panic area 12.1 (E)



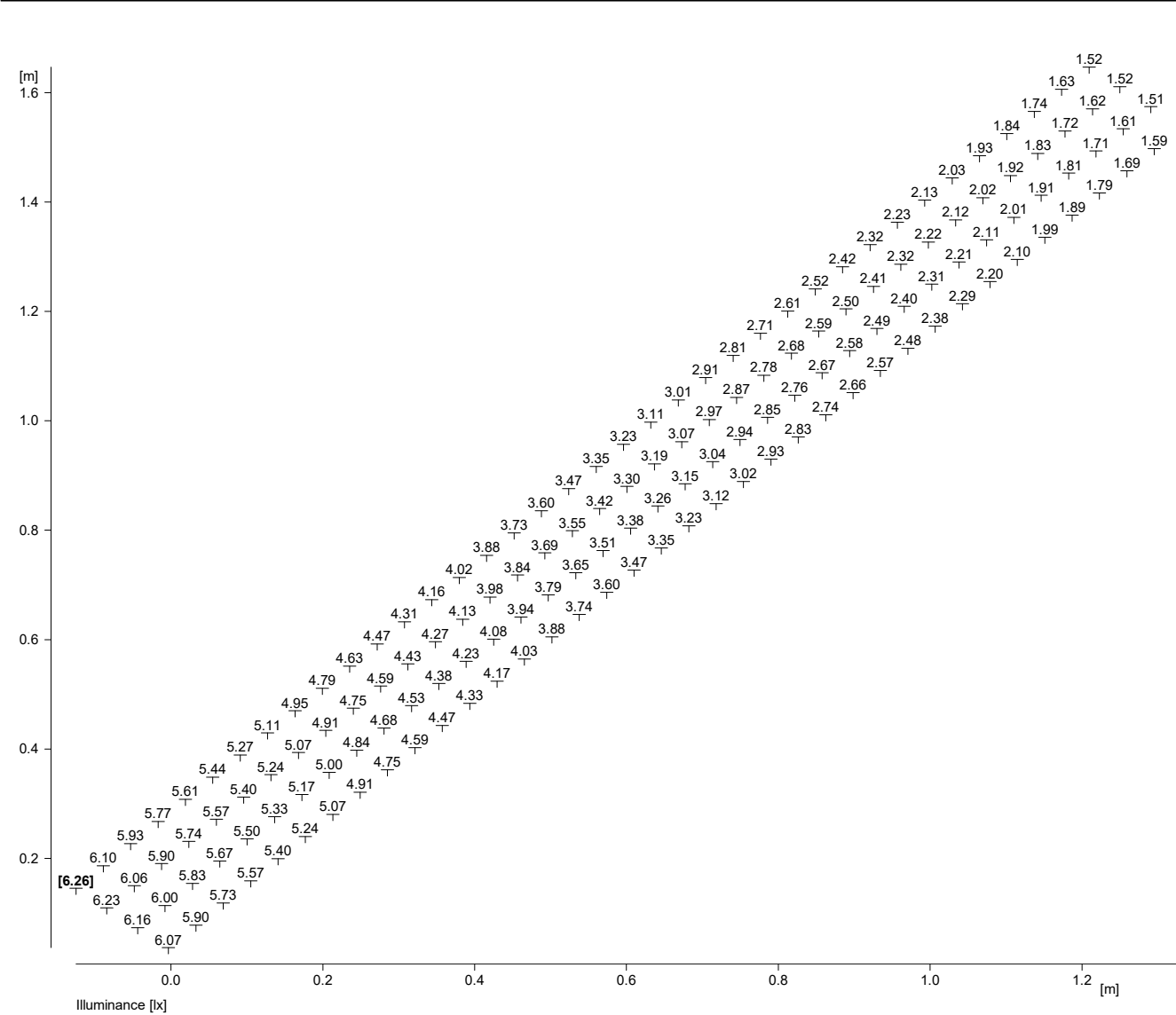
Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 1.3 lx (* 1.2 lx)
Maximum illuminance Emax : 5.2 lx (* 5.3 lx)
Diversity Emin/Emax : 1 : 3.98 (0.25) (Threshold value 1:40) (* 1:4.29)
Height : 0.8 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8

*: Values on fine measuring grid (0.1m - 0.5m)!

1.4 Calculation results, Exterior 1

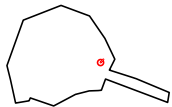
1.4.13 Table, Anti panic area 13.1 (E)



Part1

Required minimum illuminance : 1 lx (lower values are highlighted in red)

Minimum illuminance Emin : 1.5 lx
Maximum illuminance Emax : 6.3 lx
Diversity Emin/Emax : 1 : 4.18 (0.24) (Threshold value 1:40)
Height : 1 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8

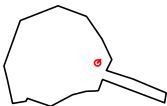


Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1
1.4.13 Table, Anti panic area 13.1 (E)

(1.50)



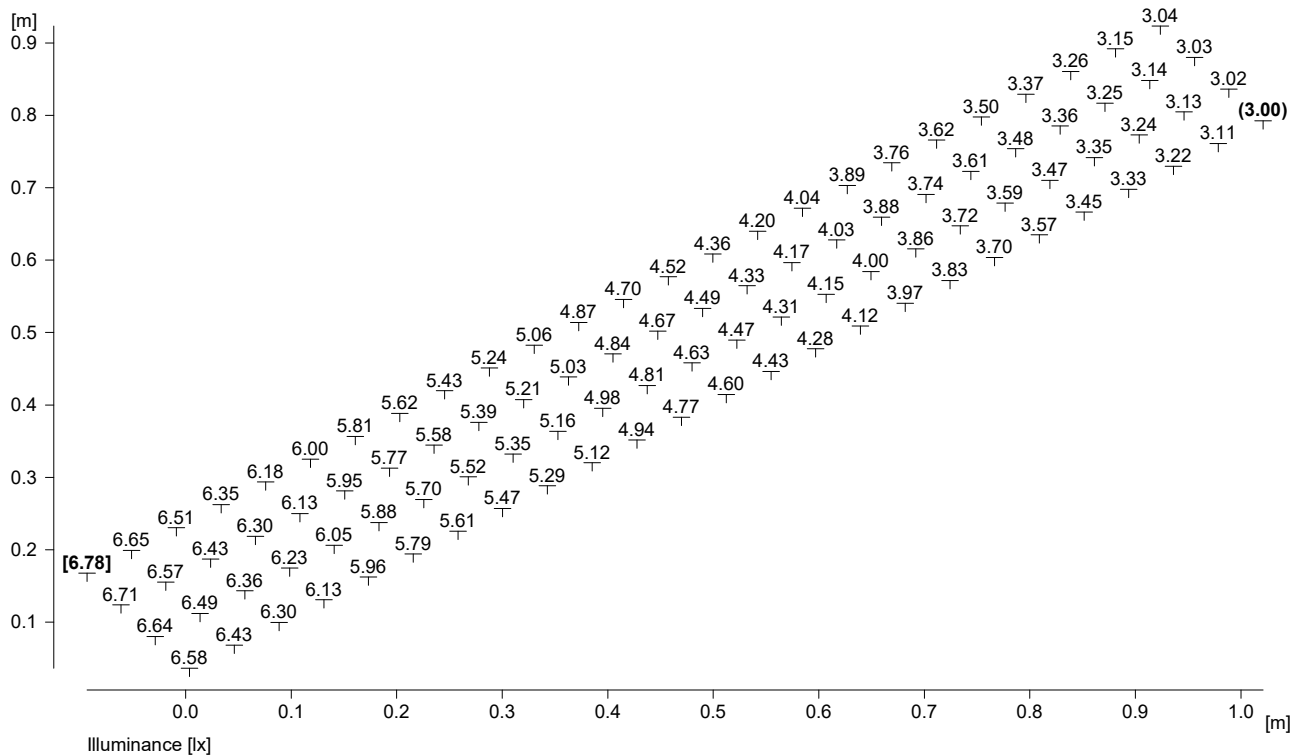
Part2

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1

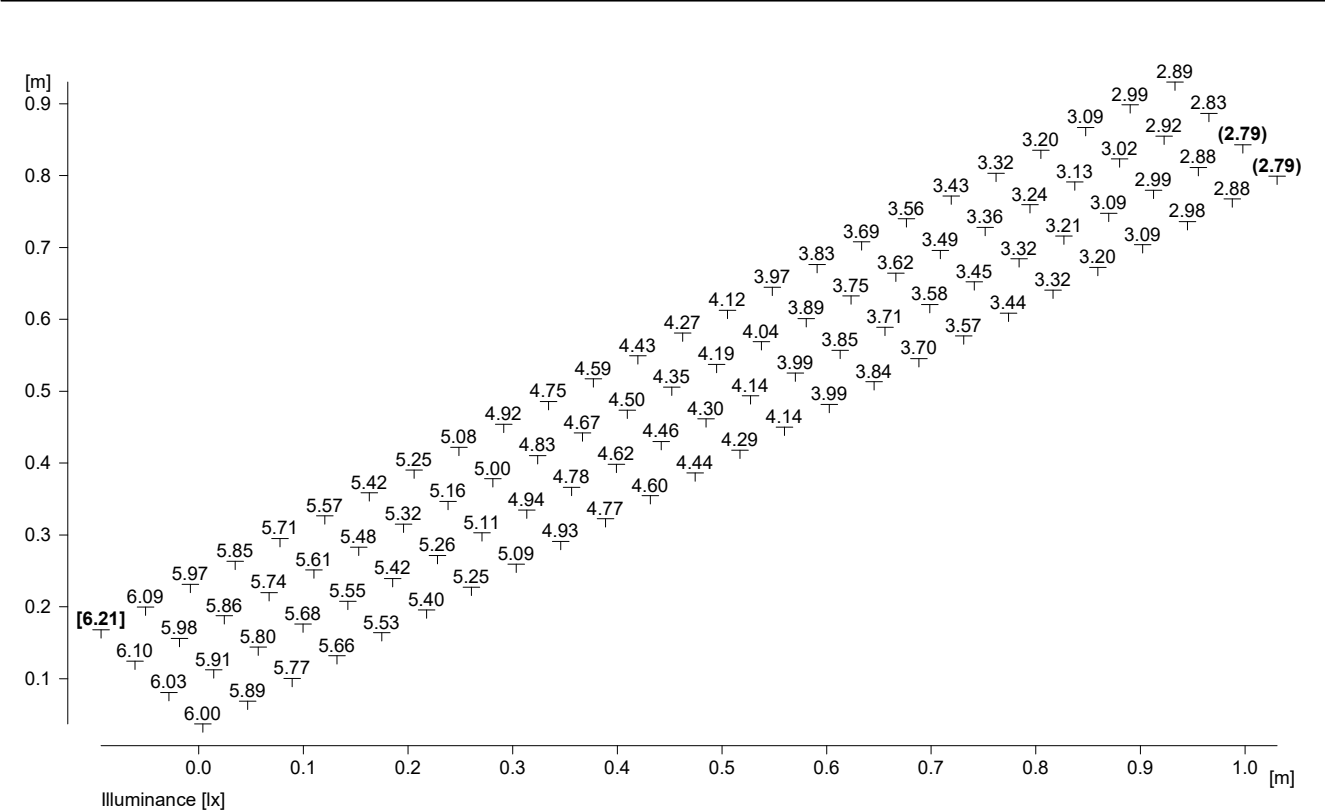
1.4.14 Table, Anti panic area 14.1 (E)





1.4 Calculation results, Exterior 1

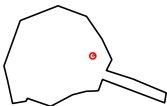
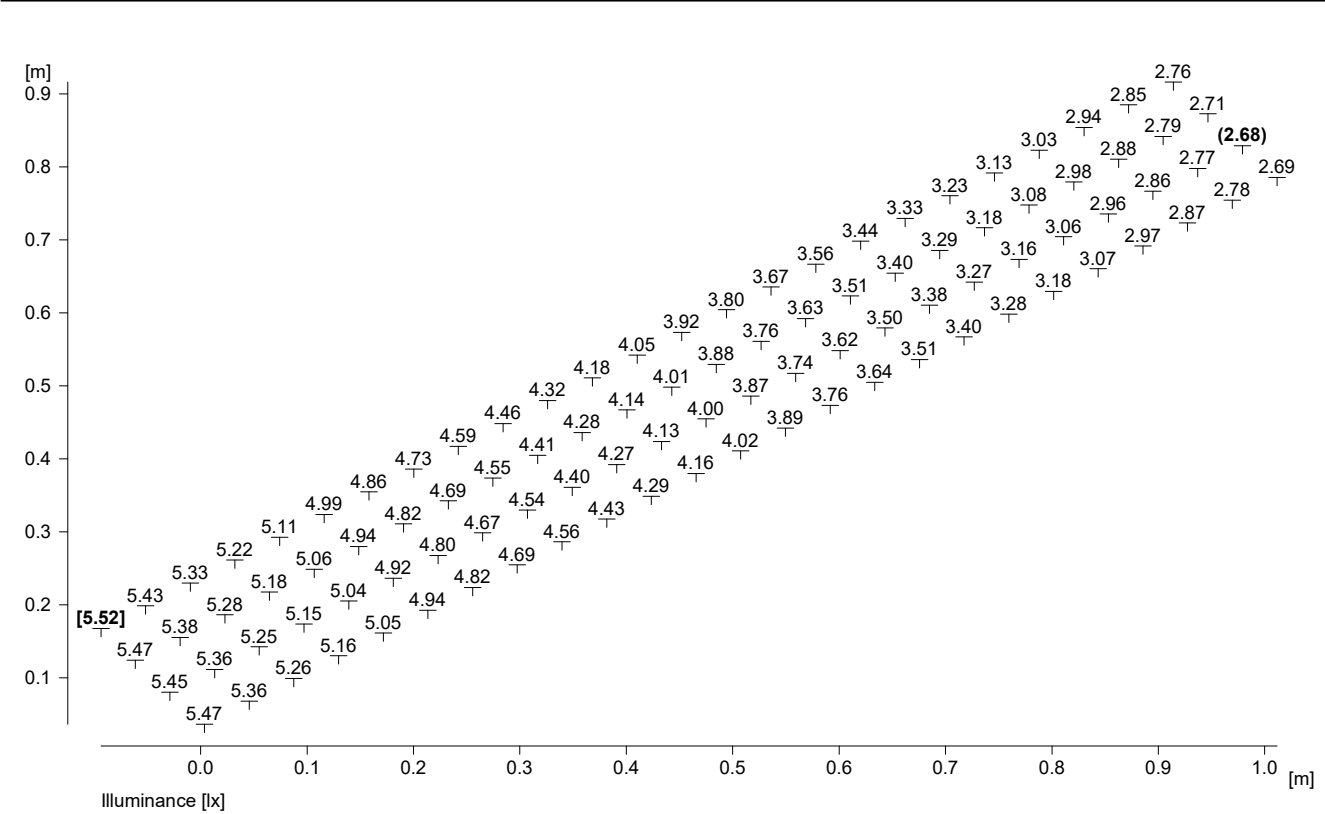
1.4.15 Table, Anti panic area 15.1 (E)



Required minimum illuminance	: 1 lx (lower values are highlighted in red)		
Minimum illuminance	Emin	: 2.8 lx	
Maximum illuminance	Emax	: 6.2 lx	
Diversity	Emin/Emax	: 1 : 2.23 (0.45) (Threshold value 1:40)	
Height		: 0.8 m	
Calculation algorithm used		: Direct component	
Maintenance factor		: 0.8	

1.4 Calculation results, Exterior 1

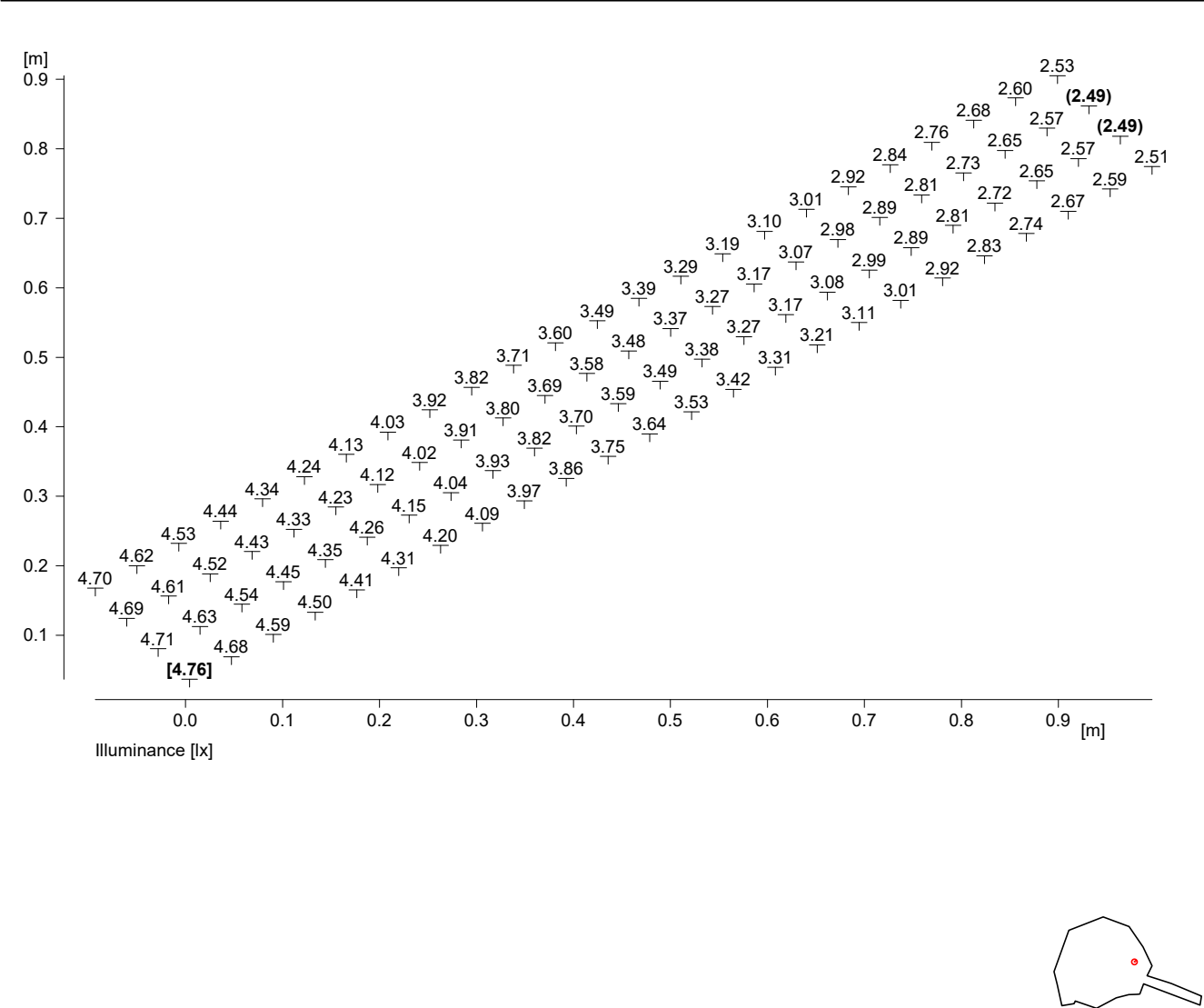
1.4.16 Table, Anti panic area 16.1 (E)



Required minimum illuminance	: 1 lx (lower values are highlighted in red)		
Minimum illuminance	Emin	: 2.7 lx	
Maximum illuminance	Emax	: 5.5 lx	
Diversity	Emin/Emax	: 1 : 2.06 (0.49) (Threshold value 1:40)	
Height		: 0.6 m	
Calculation algorithm used		: Direct component	
Maintenance factor		: 0.8	

1.4 Calculation results, Exterior 1

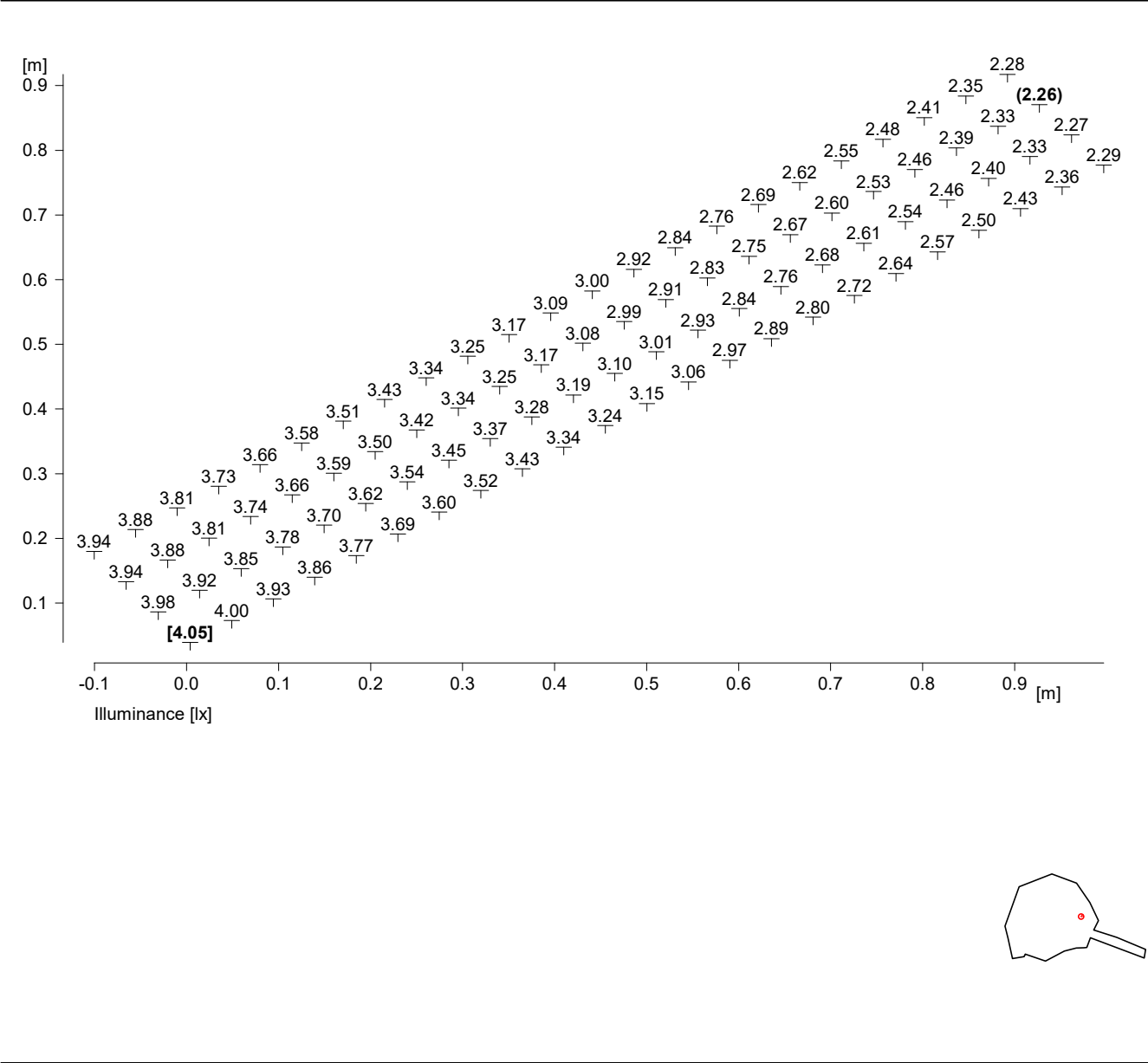
1.4.17 Table, Anti panic area 17.1 (E)



Required minimum illuminance	: 1 lx (lower values are highlighted in red)	
Minimum illuminance	Emin	: 2.5 lx
Maximum illuminance	Emax	: 4.8 lx
Diversity	Emin/Emax	: 1 : 1.91 (0.52) (Threshold value 1:40)
Height		: 0.4 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

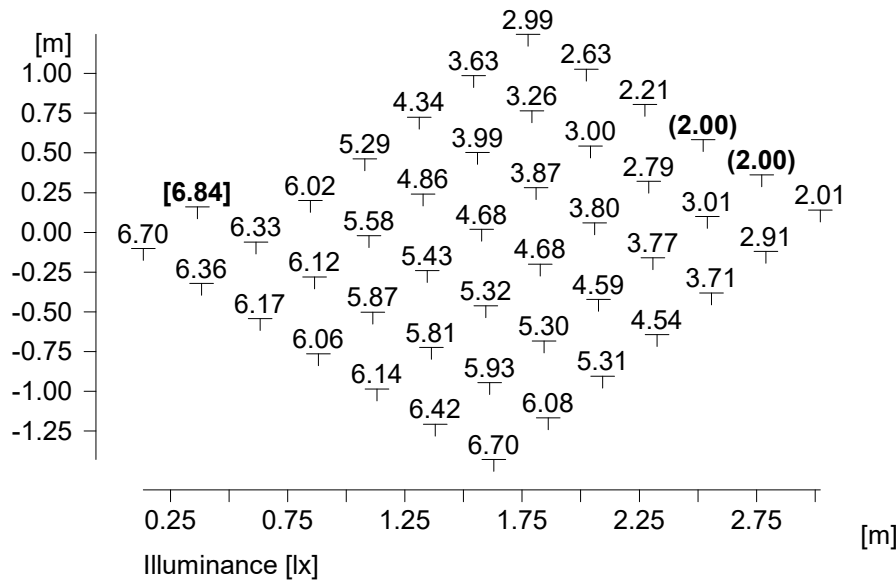
1.4.18 Table, Anti panic area 18.1 (E)



Required minimum illuminance	: 1 lx (lower values are highlighted in red)		
Minimum illuminance	Emin	: 2.3 lx	
Maximum illuminance	Emax	: 4 lx	
Diversity	Emin/Emax	: 1 : 1.79 (0.56) (Threshold value 1:40)	
Height		: 0.2 m	
Calculation algorithm used		: Direct component	
Maintenance factor		: 0.8	

1.4 Calculation results, Exterior 1

1.4.19 Table, Anti panic area 19.1 (E)

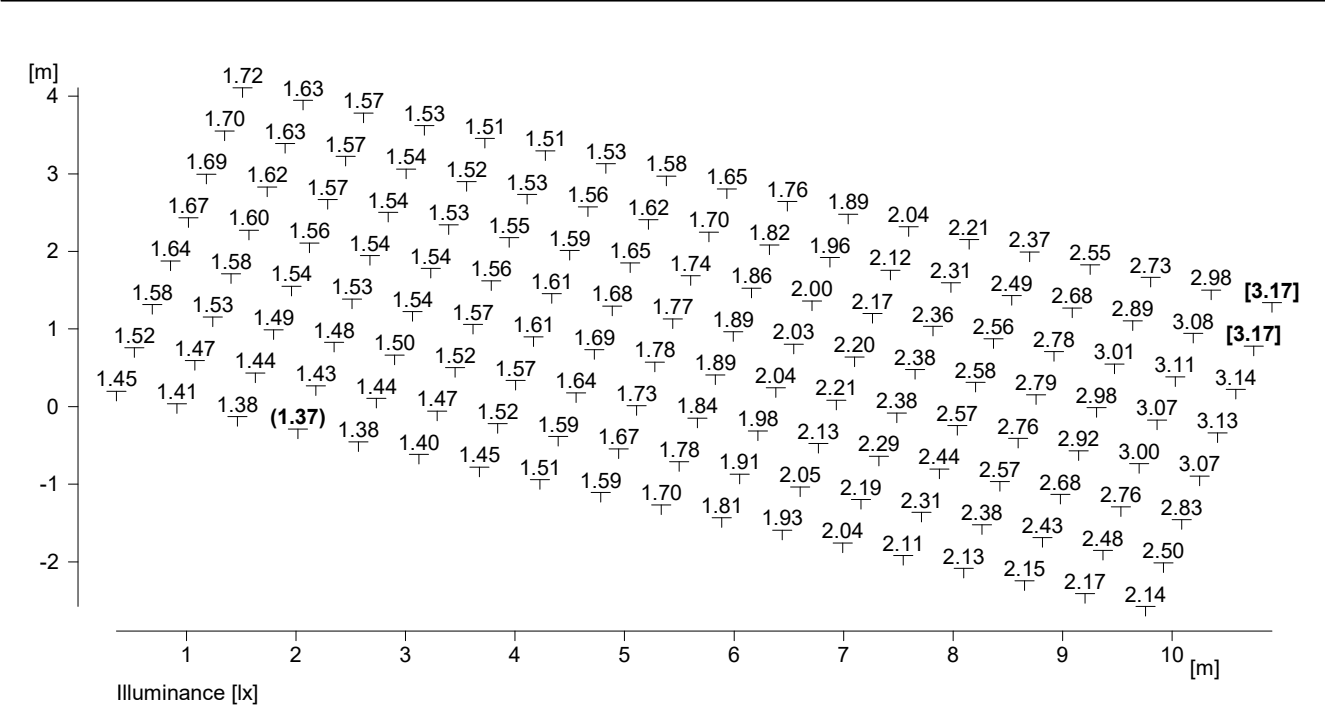


Required minimum illuminance	: 1 lx (lower values are highlighted in red)		
Minimum illuminance	Emin	: 2 lx (* 1.6 lx)	
Maximum illuminance	Emax	: 6.8 lx (* 7.2 lx)	
Diversity	Emin/Emax	: 1 : 3.42 (0.29) (Threshold value 1:40) (* 1:4.42)	
Height		: 1 m	
Calculation algorithm used		: Direct component	
Maintenance factor		: 0.8	

*: Values on fine measuing grid (0.1m - 0.5m)!

1.4 Calculation results, Exterior 1

1.4.20 Table, Anti panic area 22.1 (E)



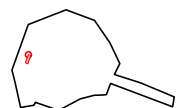
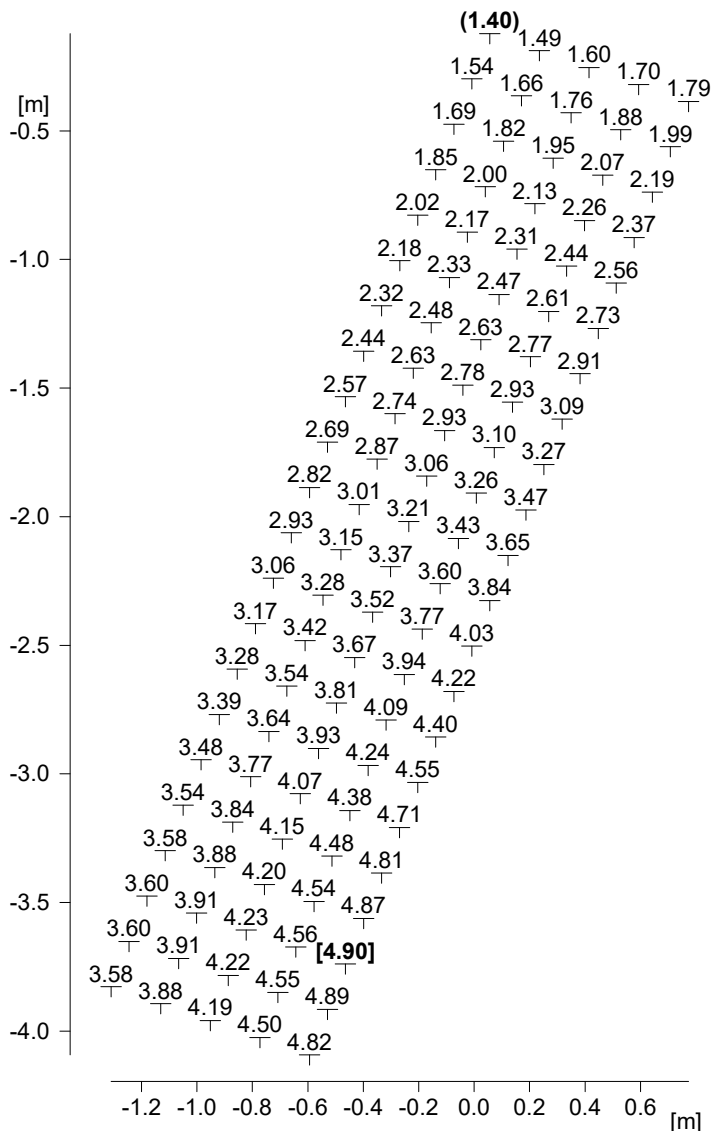
Required minimum illuminance	: 0.5 lx (lower values are highlighted in red)	
Minimum illuminance	Emin	: 1.4 lx
Maximum illuminance	Emax	: 3.2 lx
Diversity	Emin/Emax	: 1 : 2.32 (0.43) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

Object : HHC Chapel
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1.4 Calculation results, Exterior 1

1.4.21 Table, Anti panic area 23.1 (E)



Required minimum illuminance : 0.5 lx (lower values are highlighted in red)

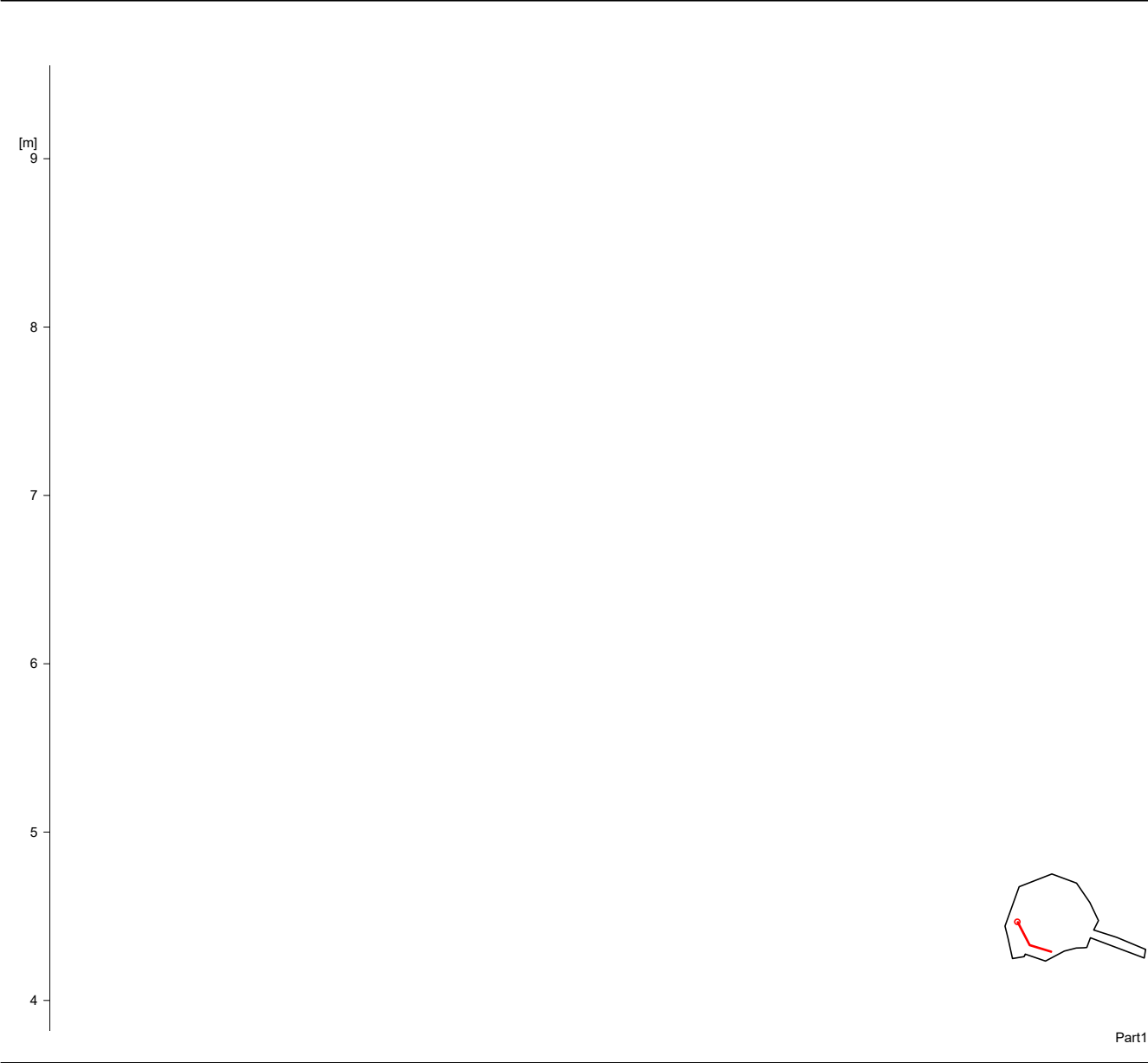
Minimum illuminance Emin : 1.4 lx (* 1.3 lx)
Maximum illuminance Emax : 4.9 lx (* 5.1 lx)
Diversity Emin/Emax : 1 : 3.50 (0.29) (Threshold value 1:40) (* 1:3.92)
Height : 0 m
Calculation algorithm used : Direct component
Maintenance factor : 0.8

*: Values on fine measuring grid (0.1m - 0.5m)!



1.4 Calculation results, Exterior 1

1.4.22 Table, Escape route 1 (E)



Required minimum illuminance (central axis) : 1 lx (lower values are highlighted in red)

Minimum illuminance (central axis)	Emin	: 1.1 lx
Maximum illuminance (central axis)	Emax	: 4.6 lx
Diversity	Emin/Emax	: 1 : 4.34 (0.23) (Threshold value 1:40)
Minimum illuminance	Emin	: 0.99 lx
Maximum illuminance	Emax	: 4.9 lx
Diversity	Emin/Emax	: 1 : 4.96 (0.20) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

Compliance with the standard cannot be assessed on the basis of the table alone. Please use the overview for this!

Object : HHC Chapel
Installation : External Lighting
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1.4 Calculation results, Exterior 1

1.4.22 Table, Escape route 1 (E)



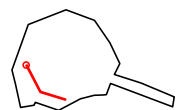
Part2

Object : HHC Chapel
Installation : External Lighting
Project number :
Date : 29.06.2026



1.4 Calculation results, Exterior 1

1.4.22 Table, Escape route 1 (E)

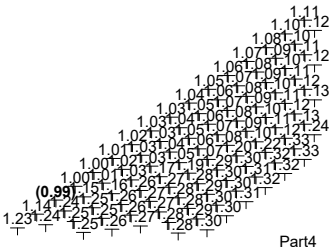


Part3

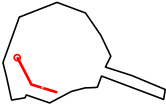


1.4 Calculation results, Exterior 1

1.4.22 Table, Escape route 1 (E)

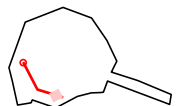
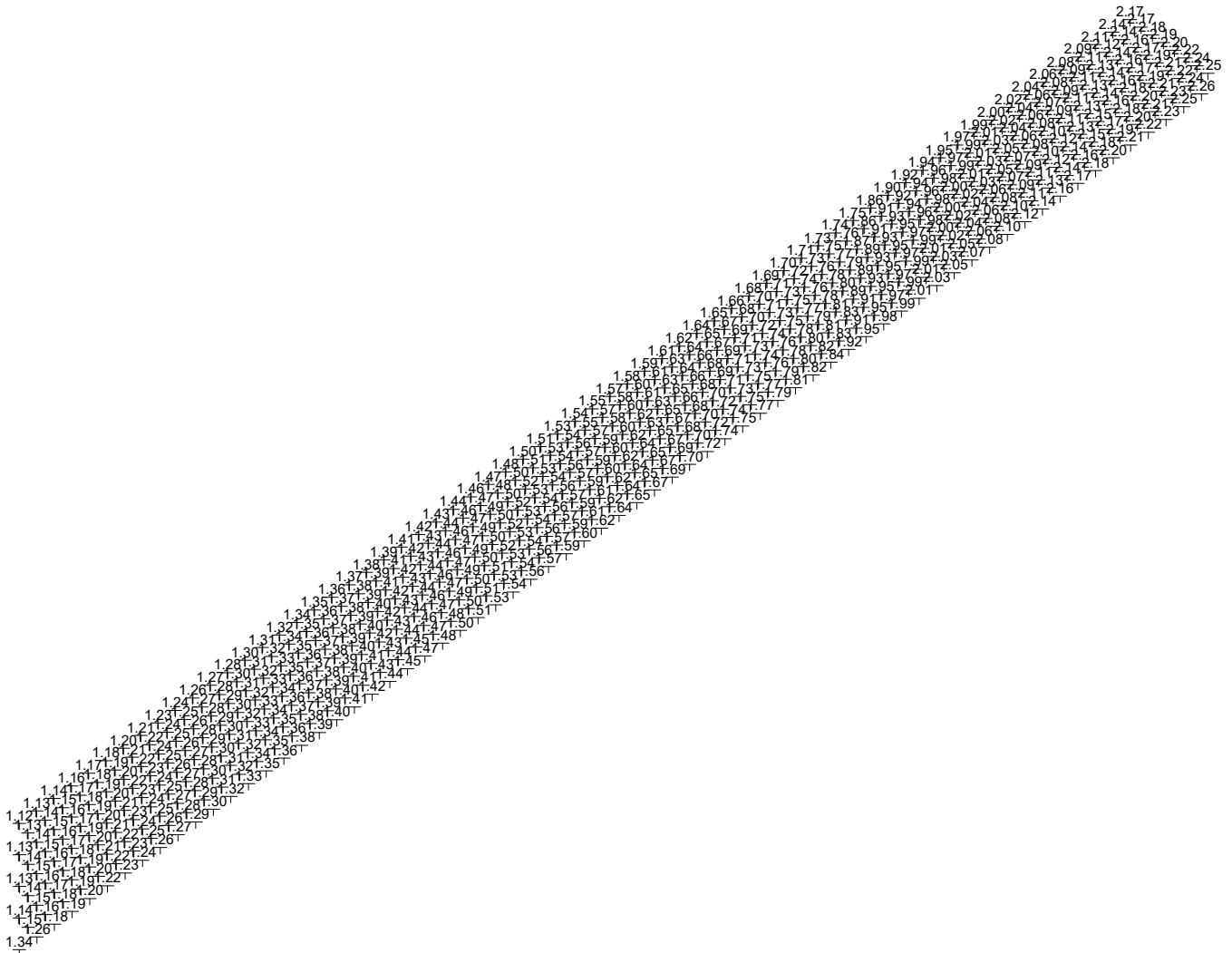


Part4



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1.4.22 Table, Escape route 1 (E)

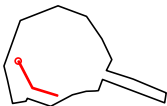




1.4 Calculation results, Exterior 1

1.4.22 Table, Escape route 1 (E)

2.27

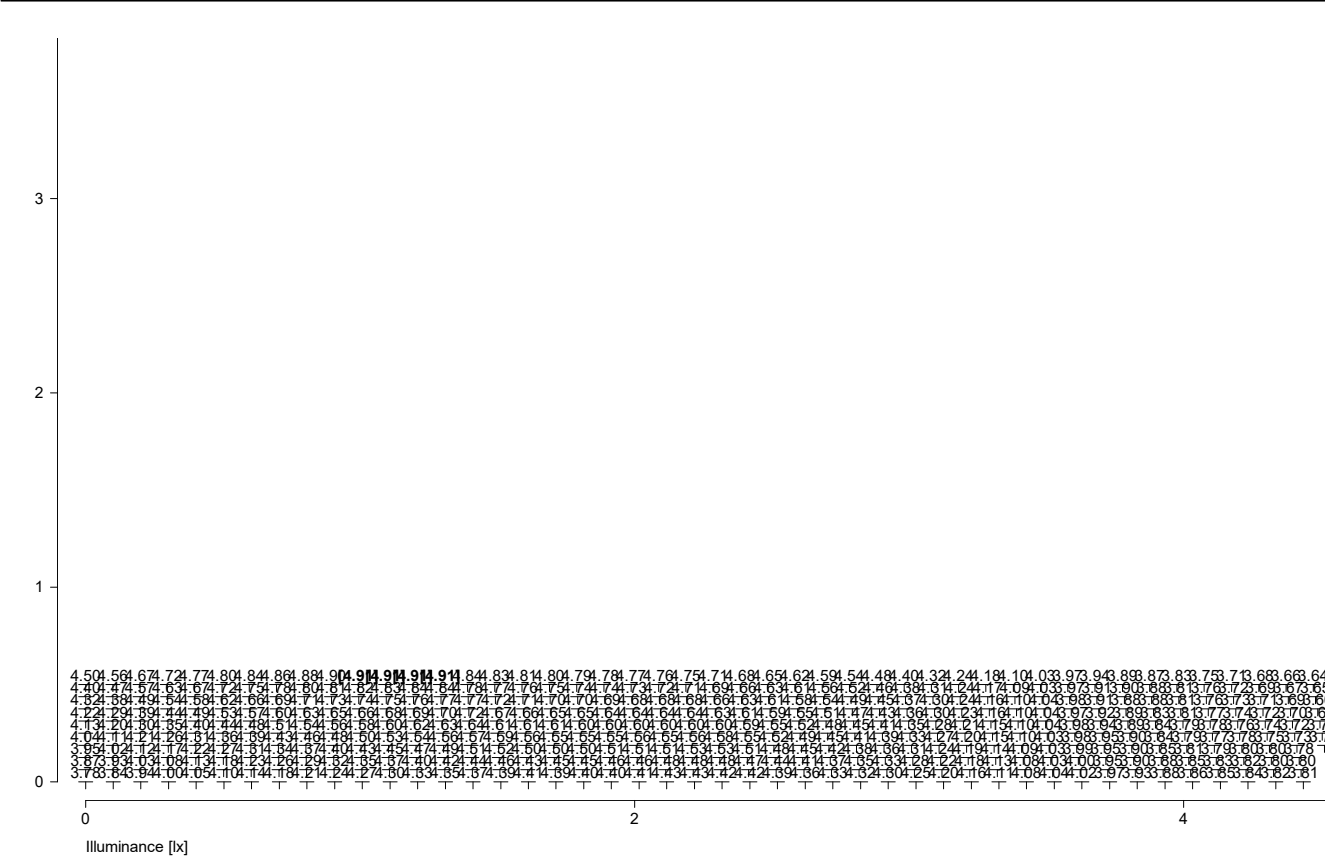


Part6



1.4 Calculation results, Exterior 1

1.4.22 Table, Escape route 1 (E)



Part7

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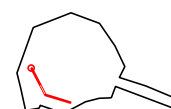
1.4.22 Table, Escape route 1 (E)

-please put your own address here-



UKLED LIGHTING DESIGN

1.4.22 Table, Escape route 1 (E)



-please put your own address here-

UKLED LIGHTING DESIGN

1.4.22 Table, Escape route 1 (E)

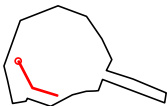




1.4 Calculation results, Exterior 1

1.4.22 Table, Escape route 1 (E)

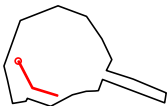
20 22 [m]



Part11



1.4 Calculation results, Exterior 1
1.4.22 Table, Escape route 1 (E)



Part12

Object : HHC Chapel
 Installation : External Lighting
 Project number :
 Date : 29.06.2026



1.4 Calculation results, Exterior 1

1.4.23 Table, Escape route 2 (E)

[m]	2.09	2.13	2.17	2.18	2.21	2.20	2.18	2.16	2.13	2.10	2.06	2.01	1.95
0.50	2.16	2.20	2.24	2.26	2.25	2.27	2.25	2.23	2.20	2.16	2.12	2.07	2.01
0.45	2.23	2.27	2.31	2.33	2.32	2.31	2.32	2.30	2.27	2.23	2.18	2.13	2.09
0.40	2.30	2.35	2.38	2.40	2.40	2.37	2.36	2.35	2.34	2.30	2.25	2.19	2.14
0.35	2.38	2.43	2.46	2.48	2.48	2.45	2.43	2.40	2.41	2.37	2.32	2.26	2.20
0.30	2.45	2.50	2.54	2.56	2.55	2.52	2.50	2.47	2.43	2.42	2.39	2.32	2.27
0.25	2.52	2.58	2.62	2.64	2.63	2.60	2.58	2.55	2.51	2.45	2.41	2.39	2.34
0.20	2.43	2.66	2.70	2.73	2.71	2.69	2.66	2.63	2.58	2.52	2.46	2.46	2.40
0.15	2.49	2.67	2.78	[2.82]	[2.82]	2.77	2.75	2.71	2.66	2.60	2.53	2.48	2.44
0.10													
0.05													
0.00													
	0					1							2
	Illuminance [lx]												



Part1

Required minimum illuminance (central axis) : 1 lx (lower values are highlighted in red)

Minimum illuminance (central axis) Emin : 1.1 lx
 Maximum illuminance (central axis) Emax : 2.5 lx
 Diversity Emin/Emax : 1 : 2.31 (0.43) (Threshold value 1:40)

Minimum illuminance Emin : 0.93 lx
 Maximum illuminance Emax : 2.8 lx
 Diversity Emin/Emax : 1 : 3.03 (0.33) (Threshold value 1:40)
 Height : 0 m
 Calculation algorithm used : Direct component
 Maintenance factor : 0.8

Compliance with the standard cannot be assessed on the basis of the table alone. Please use the overview for this!

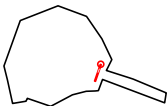
-please put your own address here-



1.4 Calculation results, Exterior 1

1.4.23 Table, Escape route 2 (E)

1.93	1.86	1.80	1.73	1.65	1.57	1.48	1.34	1.25	1.15	1.07	1.00	(0.94)
└	└	└	└	└	└	└	└	└	└	└	└	└
1.98	1.92	1.85	1.78	1.70	1.61	1.52	1.39	1.29	1.19	1.11	1.04	0.98
└	└	└	└	└	└	└	└	└	└	└	└	└
2.03	1.97	1.90	1.82	1.74	1.66	1.52	1.43	1.33	1.24	1.15	1.08	1.02
└	└	└	└	└	└	└	└	└	└	└	└	└
2.09	2.02	1.95	1.87	1.79	1.70	1.56	1.48	1.38	1.28	1.19	1.12	1.07
└	└	└	└	└	└	└	└	└	└	└	└	└
2.14	2.07	1.99	1.91	1.83	1.72	1.60	1.51	1.42	1.32	1.24	1.15	1.18
└	└	└	└	└	└	└	└	└	└	└	└	└
2.20	2.12	2.04	1.96	1.87	1.76	1.64	1.55	1.46	1.36	1.28	1.21	1.23
└	└	└	└	└	└	└	└	└	└	└	└	└
2.26	2.18	2.09	2.00	1.92	1.77	1.68	1.59	1.50	1.41	1.32	1.29	1.28
└	└	└	└	└	└	└	└	└	└	└	└	└
2.32	2.23	2.14	2.05	1.91	1.81	1.73	1.63	1.54	1.45	1.39	1.34	1.32
└	└	└	└	└	└	└	└	└	└	└	└	└
2.38	2.28	2.19	2.09	1.95	1.85	1.76	1.67	1.57	1.50	1.45	1.39	1.34
└	└	└	└	└	└	└	└	└	└	└	└	└
3						4						



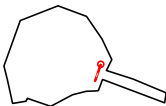
Part2



1.4 Calculation results, Exterior 1

1.4.23 Table, Escape route 2 (E)

(0.94)	0.95	(0.94)	(0.94)	0.98	1.06	1.15	1.24	1.34	1.44	1.52	1.59	1.66	1.74
1.00	0.97	0.98	0.98	1.02	1.09	1.20	1.29	1.40	1.48	1.57	1.64	1.71	1.79
1.05	1.00	1.02	1.03	1.06	1.13	1.25	1.35	1.44	1.53	1.61	1.69	1.77	1.84
1.10	1.04	1.06	1.08	1.11	1.18	1.27	1.40	1.48	1.57	1.65	1.74	1.82	1.89
1.13	1.08	1.09	1.12	1.15	1.22	1.32	1.45	1.53	1.62	1.70	1.79	1.86	1.94
1.17	1.13	1.13	1.17	1.20	1.27	1.36	1.48	1.57	1.66	1.75	1.84	1.91	1.98
1.19	1.18	1.17	1.22	1.25	1.31	1.41	1.49	1.62	1.70	1.80	1.89	1.95	2.02
1.24	1.22	1.21	1.26	1.30	1.37	1.46	1.53	1.66	1.75	1.85	1.93	2.01	2.08
1.28	1.26	1.26	1.30	1.36	1.42	1.49	1.58	1.68	1.80	1.89	1.98	2.05	2.13
				5					6				



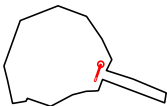
Part3



1.4 Calculation results, Exterior 1

1.4.23 Table, Escape route 2 (E)

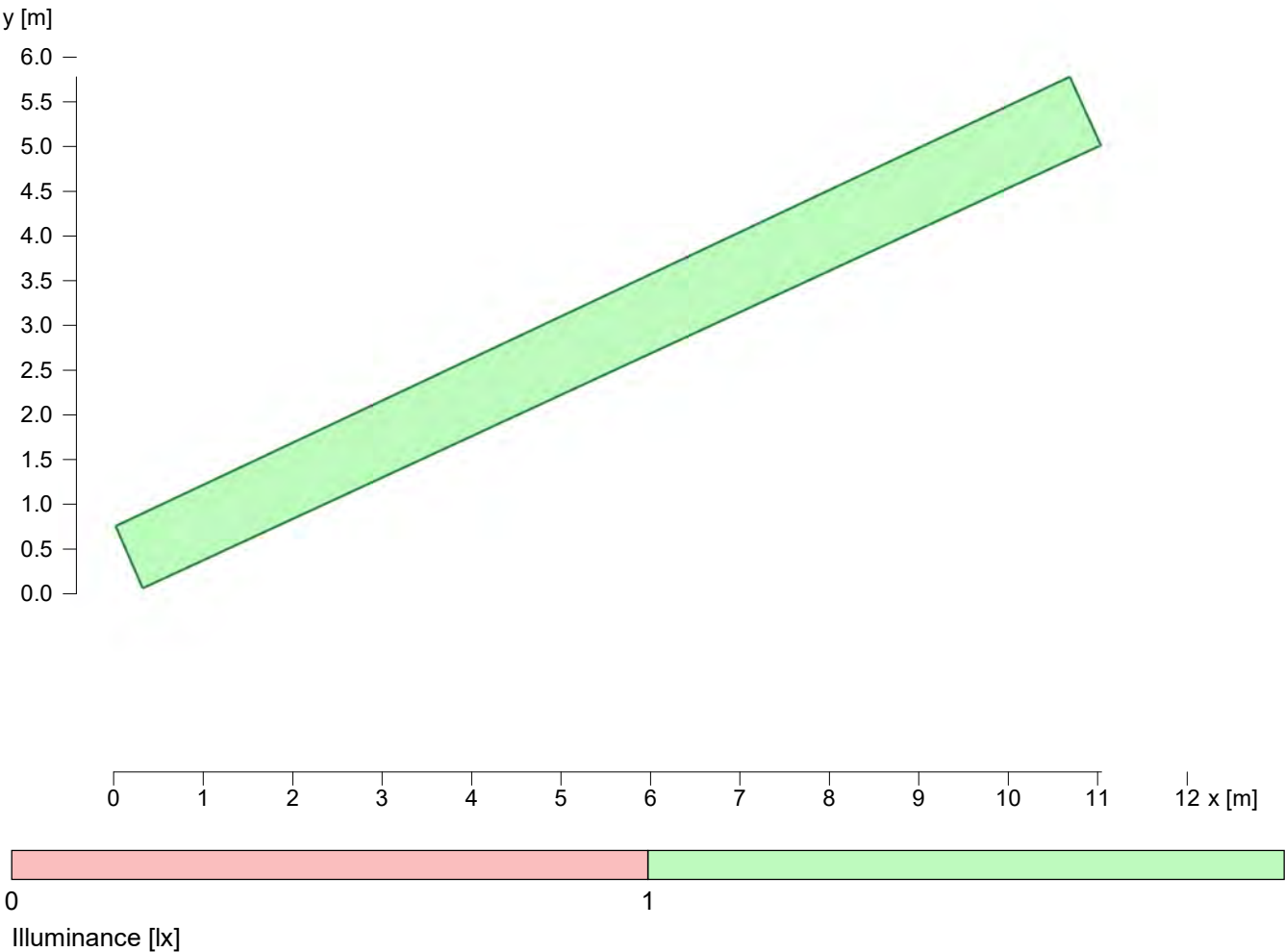
1.81	1.87	1.93	1.97	2.02	2.06	2.11	2.18	2.19	2.19	2.17	2.14	2.10
1.86	1.92	1.98	2.03	2.08	2.12	2.17	2.24	2.26	2.26	2.24	2.21	2.17
1.91	1.97	2.03	2.08	2.14	2.19	2.24	2.31	2.33	2.33	2.31	2.28	2.24
1.96	2.02	2.09	2.14	2.20	2.25	2.31	2.39	2.40	2.40	2.38	2.35	2.30
2.00	2.07	2.14	2.21	2.27	2.32	2.38	2.46	2.48	2.48	2.46	2.42	2.37
2.05	2.13	2.20	2.27	2.34	2.40	2.46	2.54	2.56	2.56	2.53	2.50	2.44
2.10	2.18	2.26	2.34	2.41	2.47	2.53	2.62	2.64	2.64	2.61	2.57	2.51
2.16	2.24	2.33	2.41	2.48	2.54	2.61	2.70	2.72	2.72	2.69	2.61	2.48
2.22	2.31	2.39	2.48	2.56	2.62	2.69	2.78	2.80	2.80	2.77	2.62	2.55
7									8	[m]		



Part4

1.4 Calculation results, Exterior 1

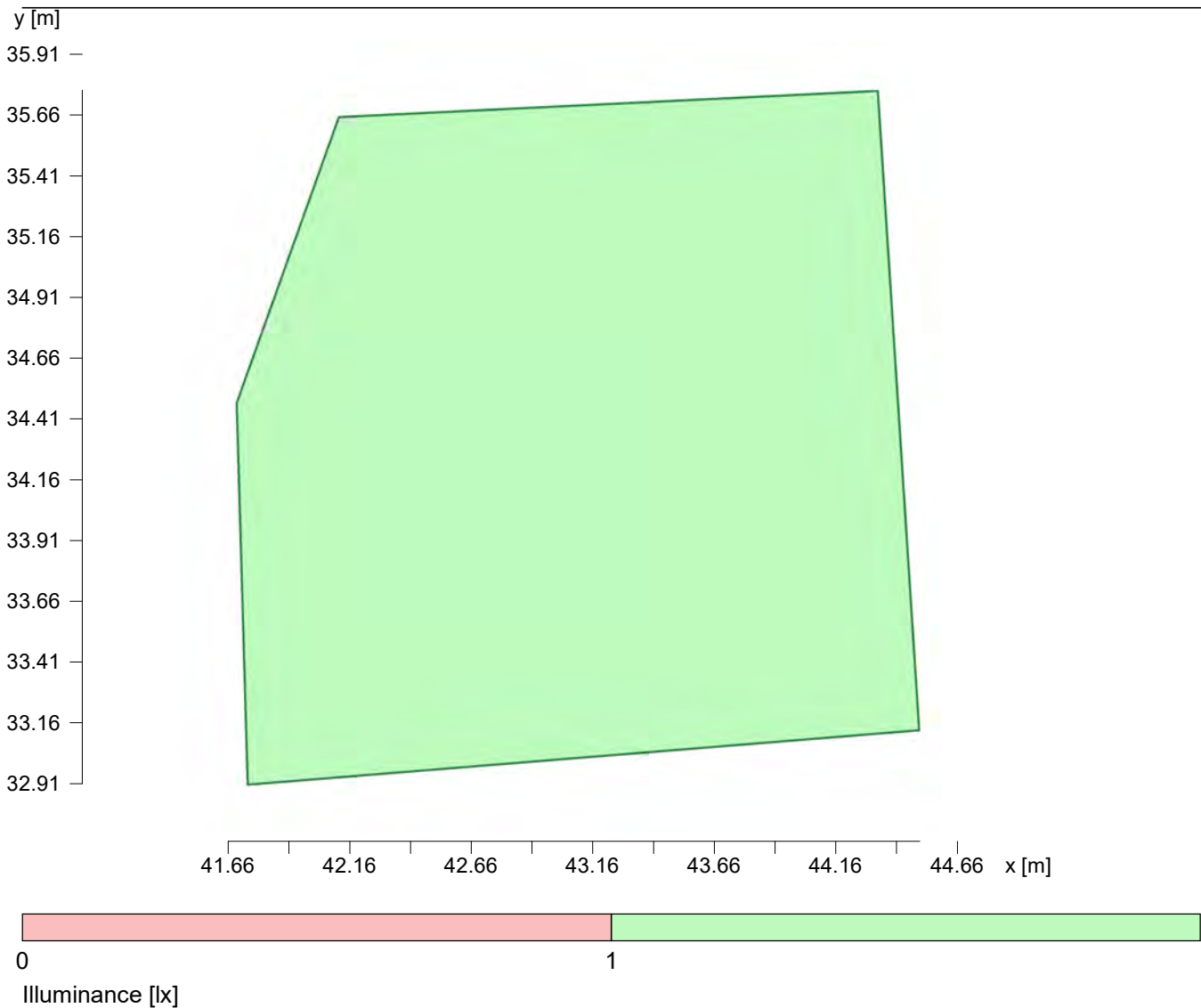
1.4.24 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 2.6 lx
Maximum illuminance	Emax	: 6.4 lx
Diversity	Emin/Emax	: 1 : 2.46 (0.41) (Threshold value 1:40)
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

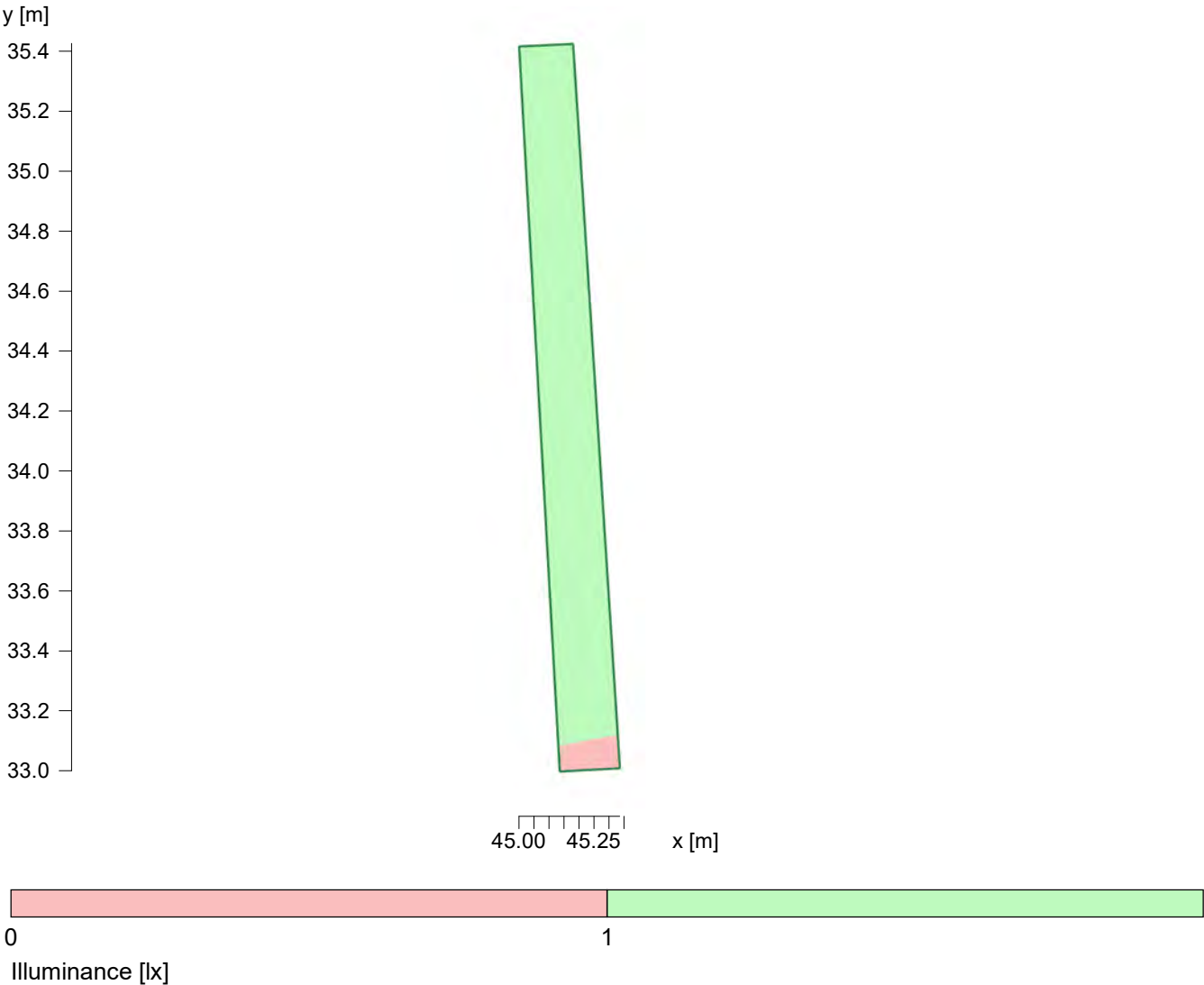
1.4.25 Boundary line, Anti panic area 2.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 1.2 lx
Maximum illuminance	Emax	: 7.8 lx
Diversity	Emin/Emax	: 1 : 6.32 (0.16) (Threshold value 1:40)
Height		: 1.1 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

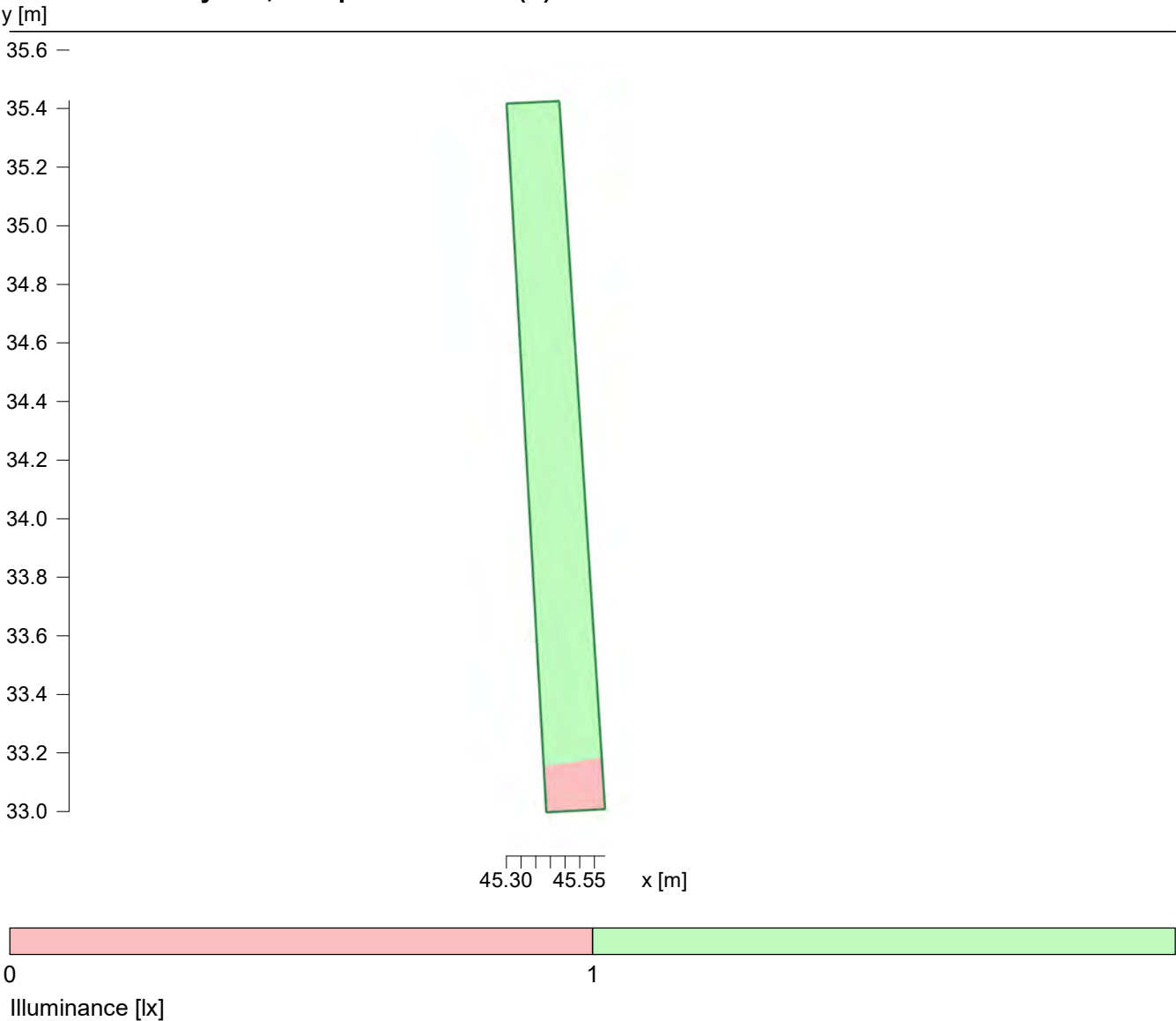
1.4.26 Boundary line, Anti panic area 3.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 0.87 lx
Maximum illuminance	Emax	: 6.3 lx
Diversity	Emin/Emax	: 1 : 7.17 (0.14) (Threshold value 1:40)
Height		: 1 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

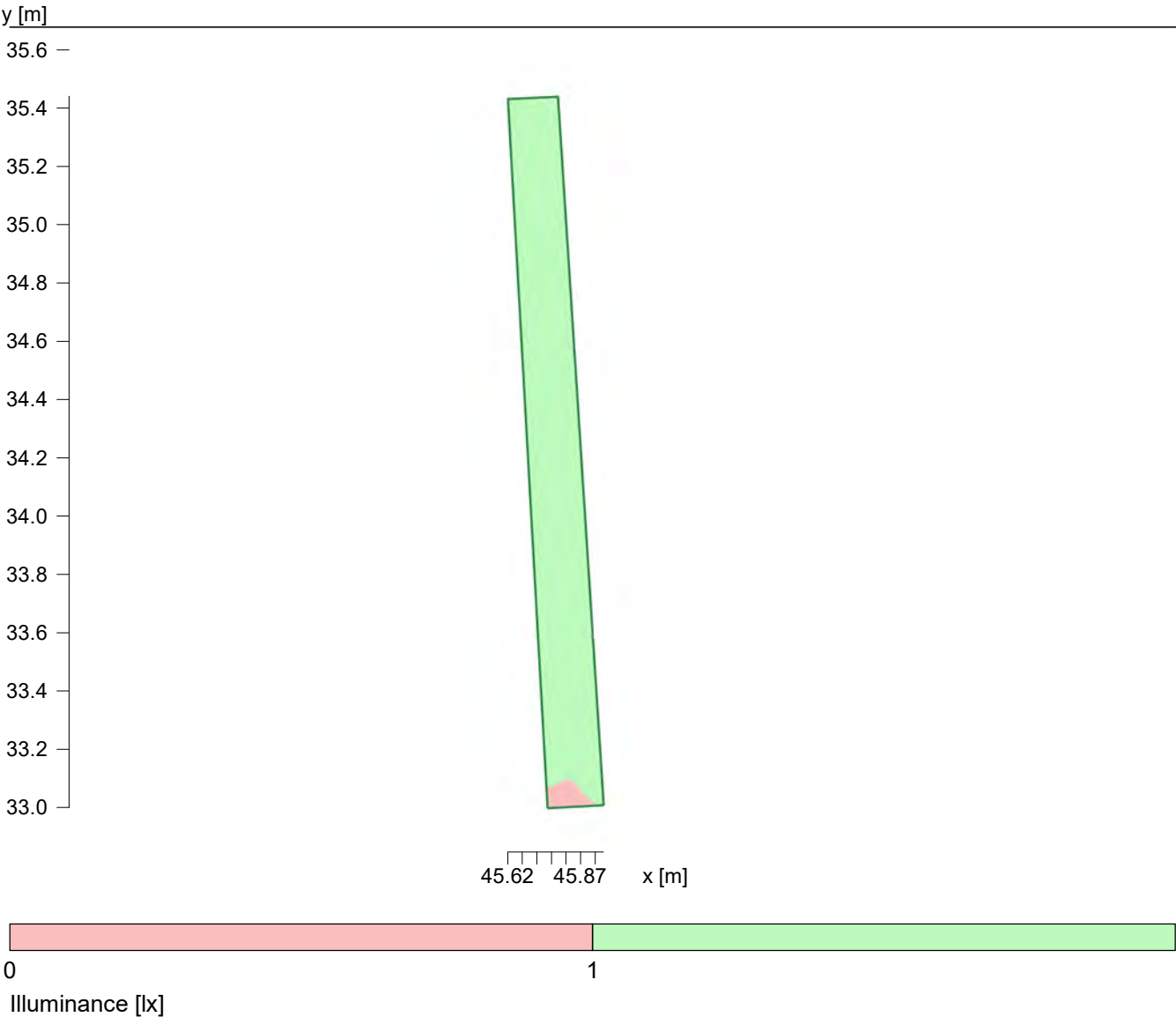
1.4.27 Boundary line, Anti panic area 4.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 0.79 lx
Maximum illuminance	Emax	: 5.3 lx
Diversity	Emin/Emax	: 1 : 6.74 (0.15) (Threshold value 1:40)
Height		: 0.8 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

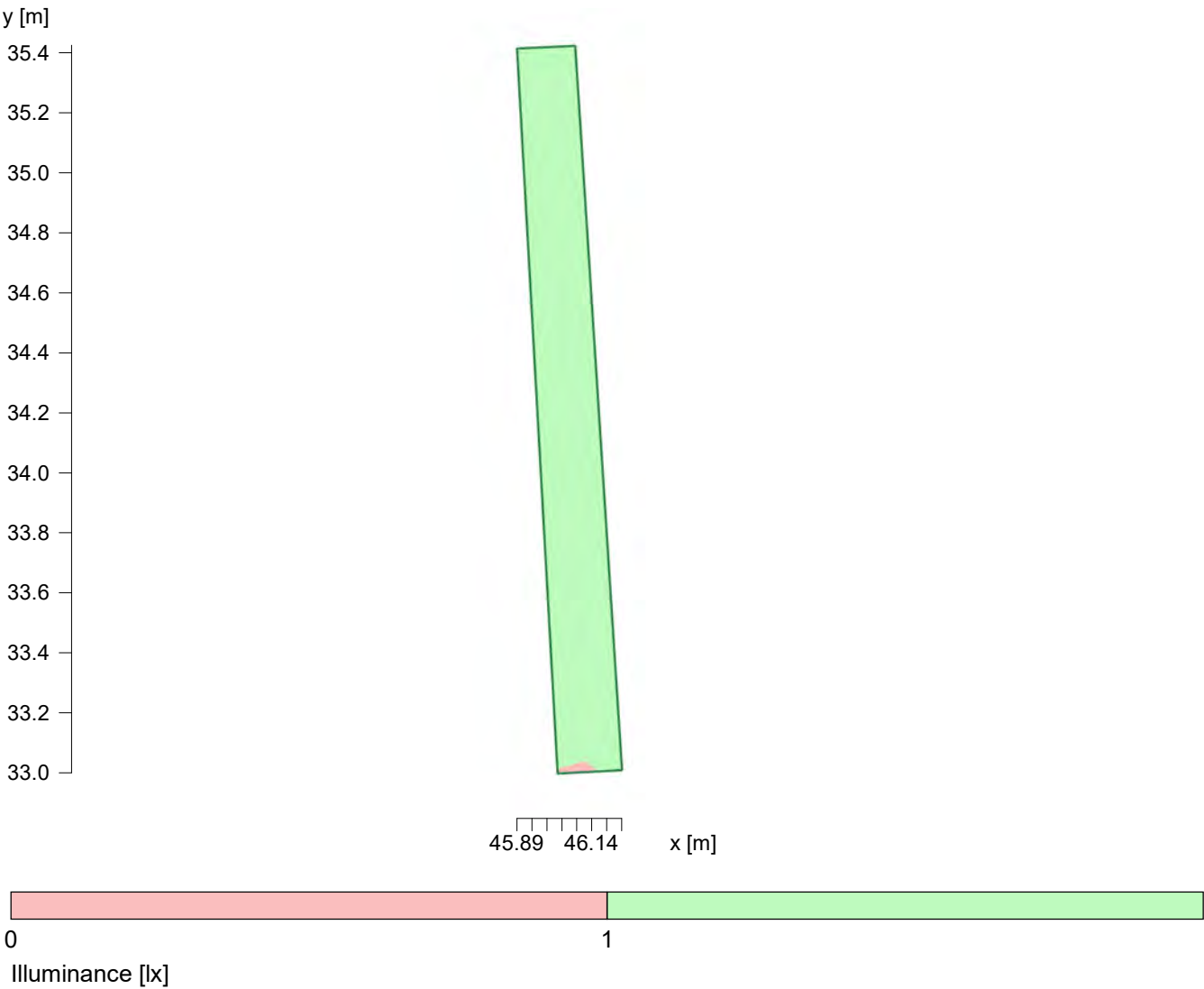
1.4.28 Boundary line, Anti panic area 5.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 0.91 lx
Maximum illuminance	Emax	: 4.7 lx
Diversity	Emin/Emax	: 1 : 5.15 (0.19) (Threshold value 1:40)
Height		: 0.6 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

1.4.29 Boundary line, Anti panic area 6.1 (E)

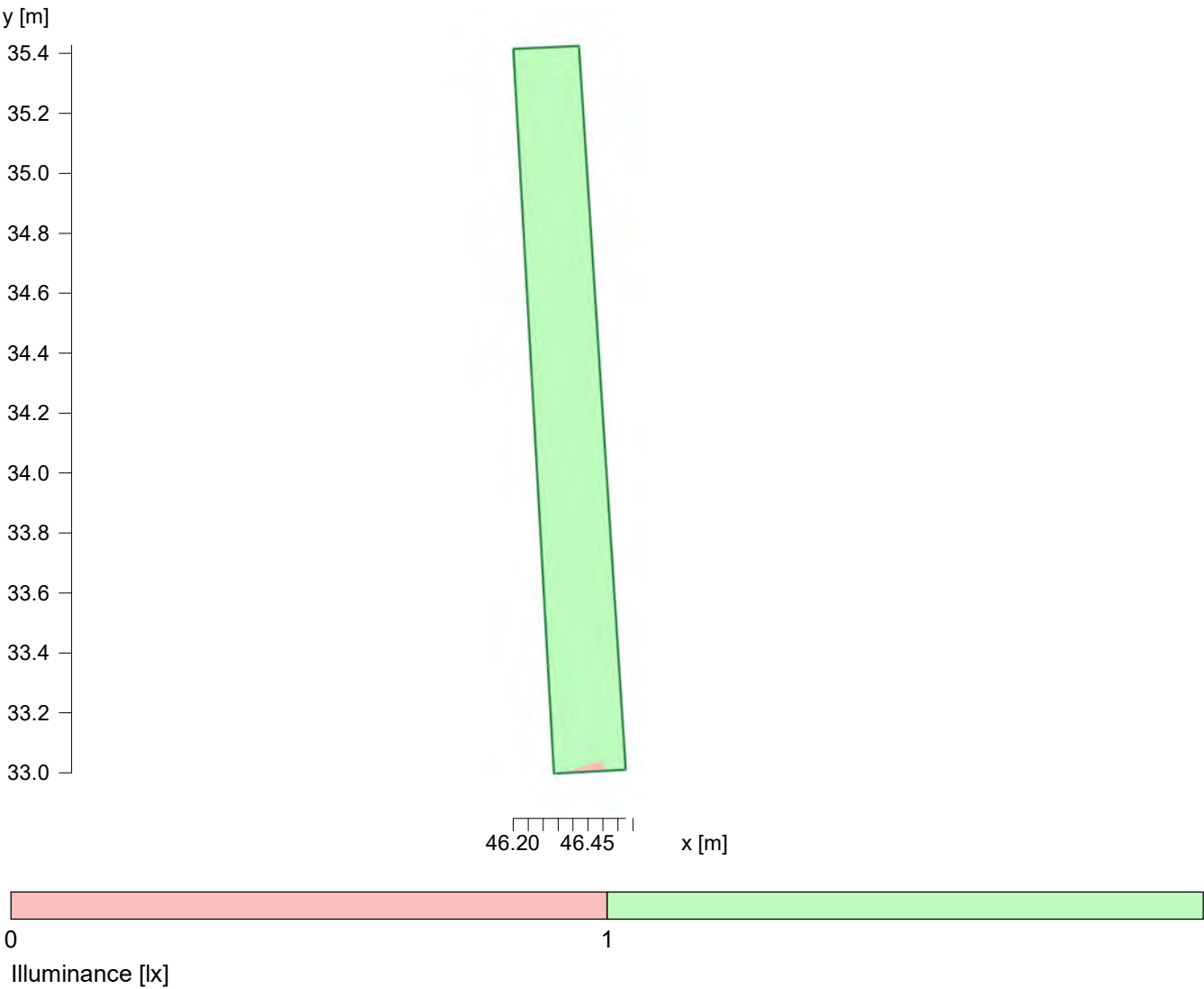


Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 0.96 lx
Maximum illuminance	Emax	: 4 lx
Diversity	Emin/Emax	: 1 : 4.18 (0.24) (Threshold value 1:40)
Height		: 0.4 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8



1.4 Calculation results, Exterior 1

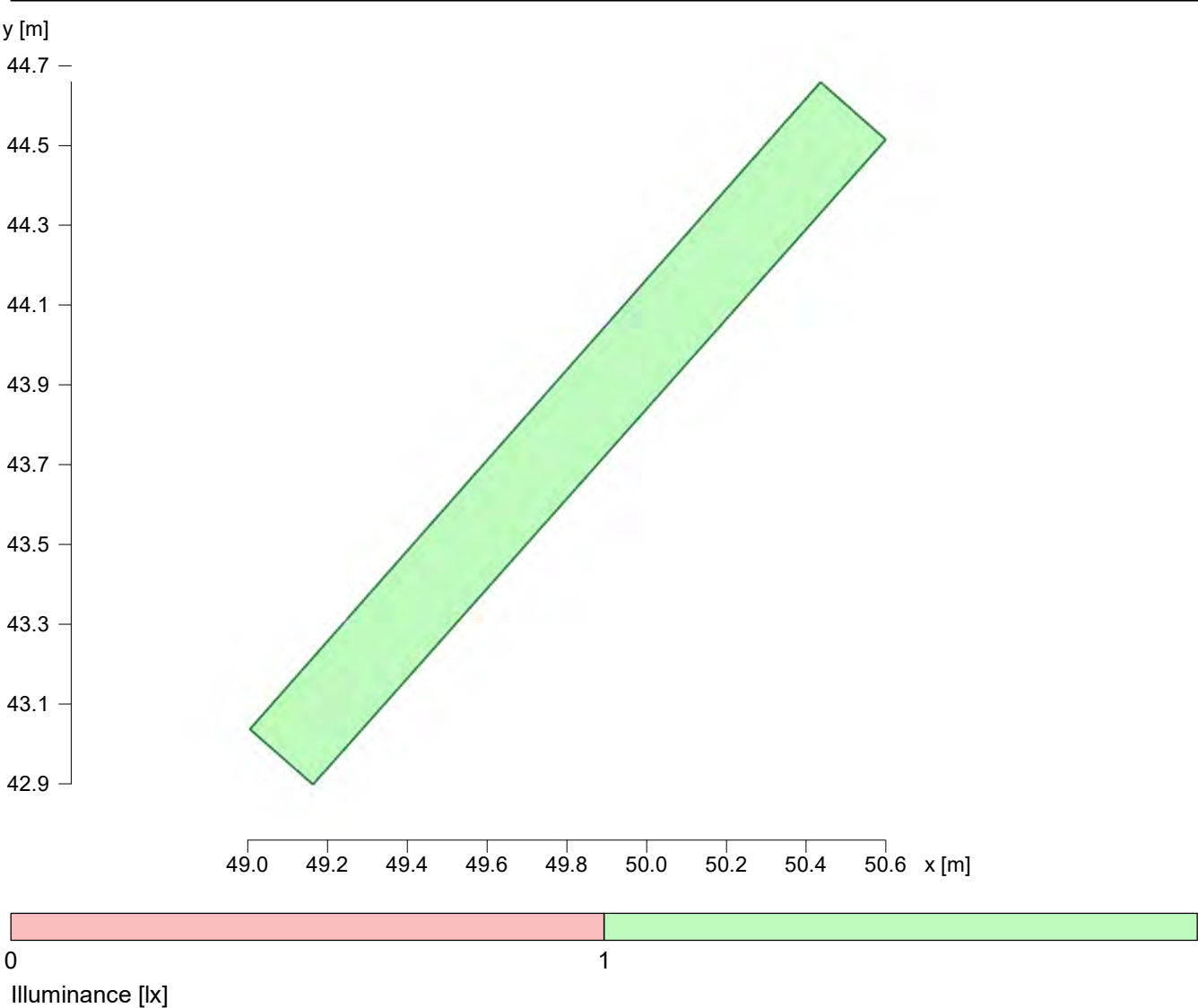
1.4.30 Boundary line, Anti panic area 7.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 0.97 lx
Maximum illuminance	Emax	: 3.5 lx
Diversity	Emin/Emax	: 1 : 3.61 (0.28) (Threshold value 1:40)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

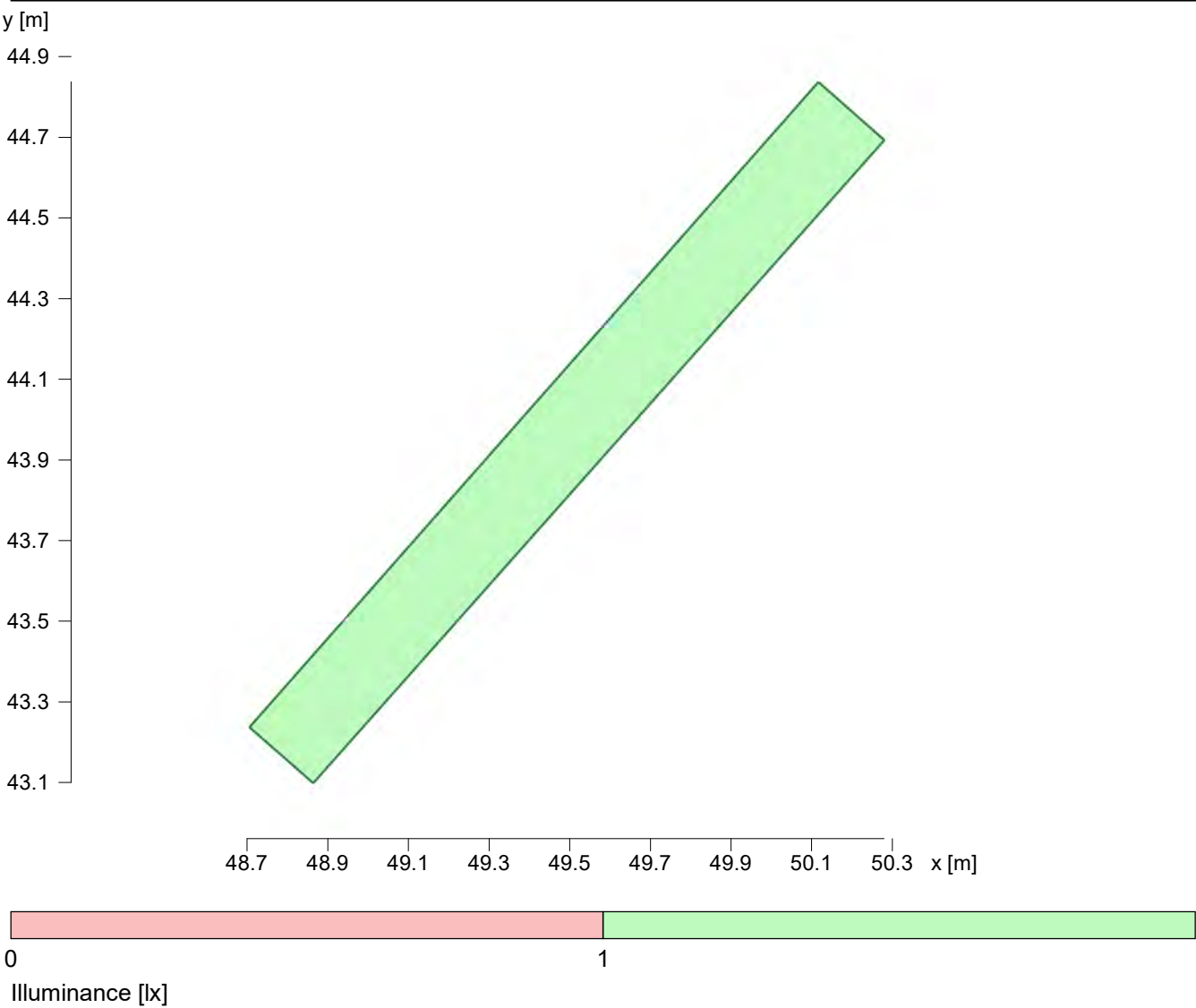
1.4.31 Boundary line, Anti panic area 8.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 1.2 lx
Maximum illuminance	Emax	: 3.5 lx
Diversity	Emin/Emax	: 1 : 2.84 (0.35) (Threshold value 1:40)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

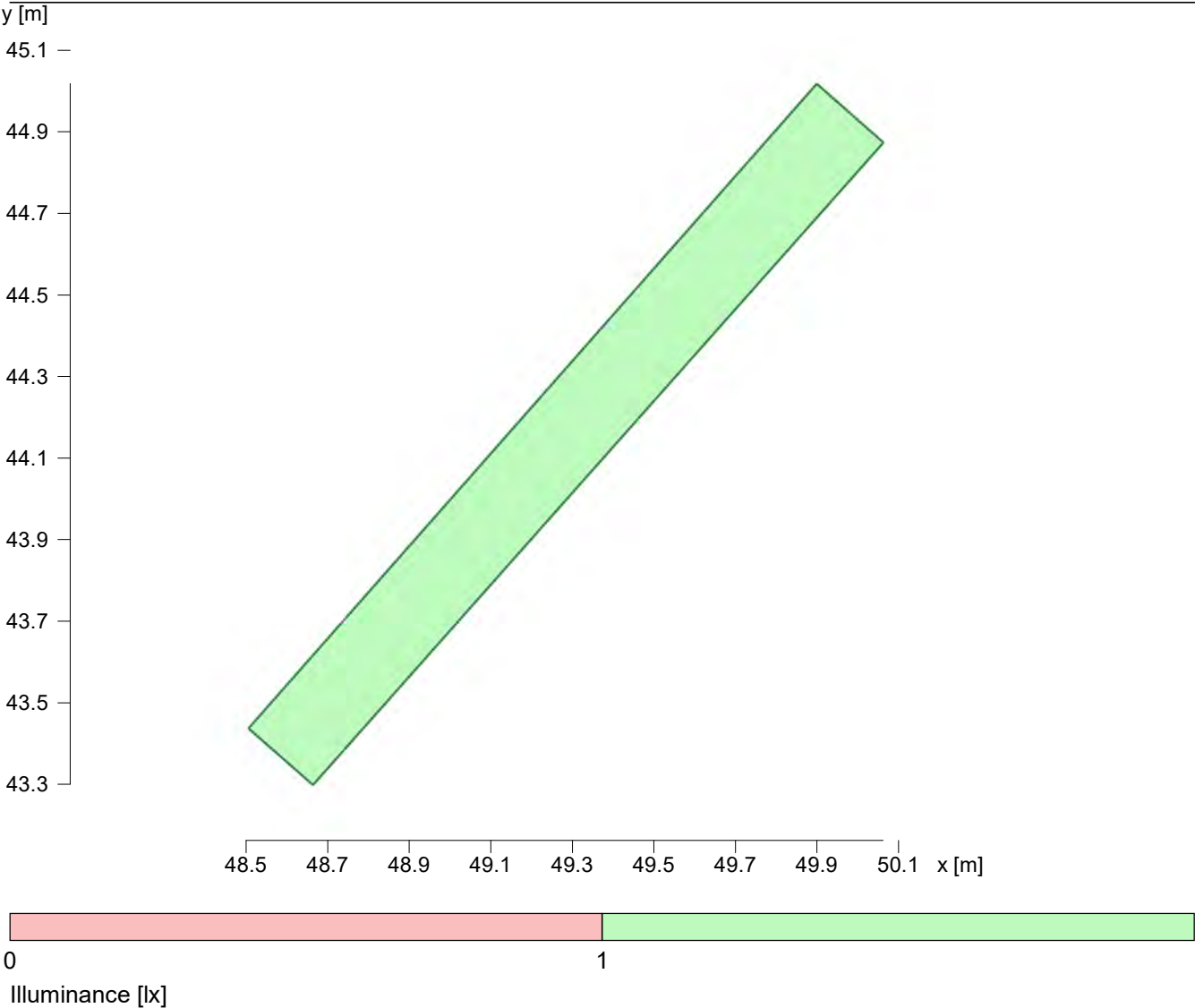
1.4.32 Boundary line, Anti panic area 10.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 1.3 lx
Maximum illuminance	Emax	: 4 lx
Diversity	Emin/Emax	: 1 : 3.20 (0.31) (Threshold value 1:40)
Height		: 0.4 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

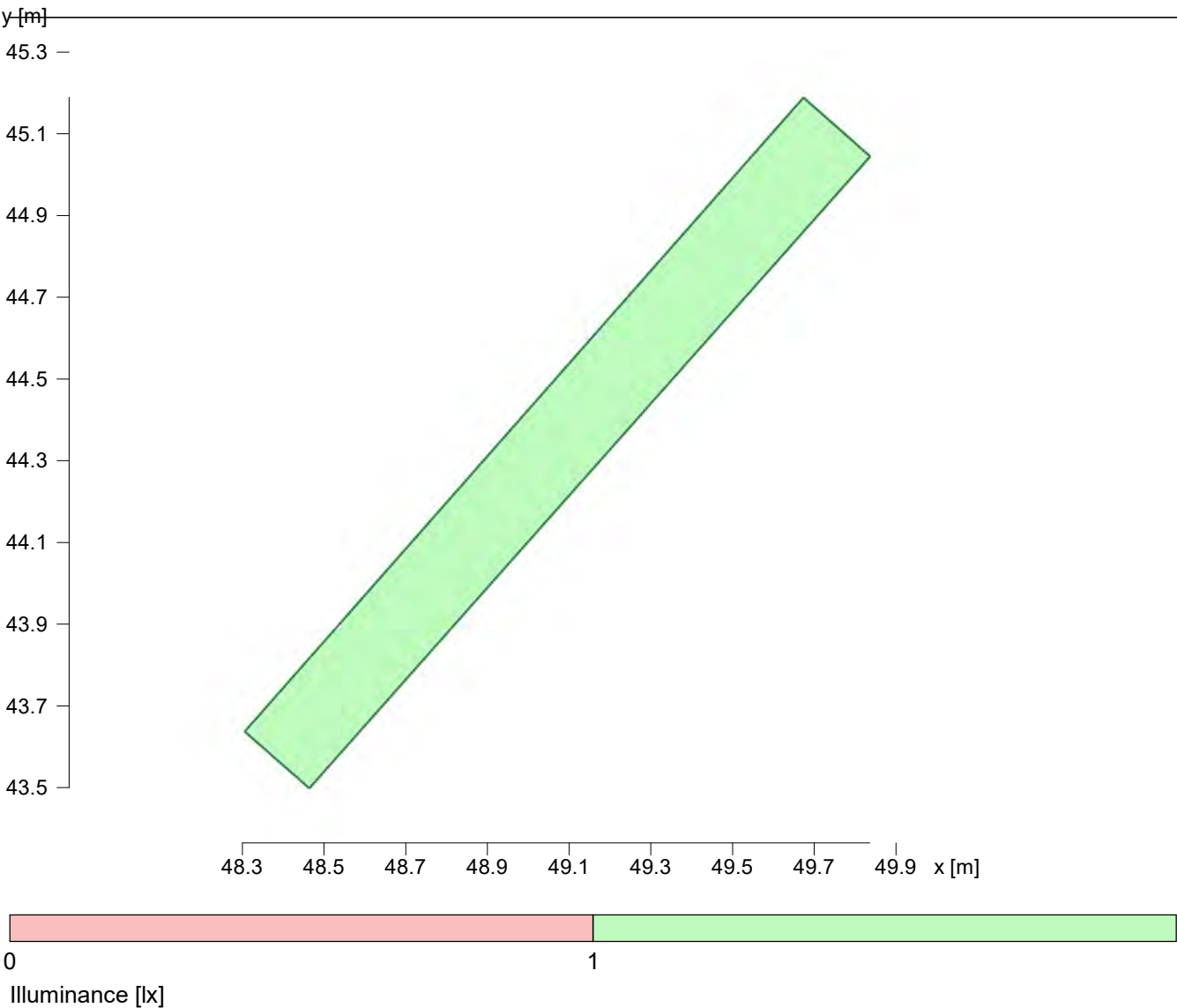
1.4.33 Boundary line, Anti panic area 11.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 1.3 lx
Maximum illuminance	Emax	: 4.6 lx
Diversity	Emin/Emax	: 1 : 3.69 (0.27) (Threshold value 1:40)
Height		: 0.6 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

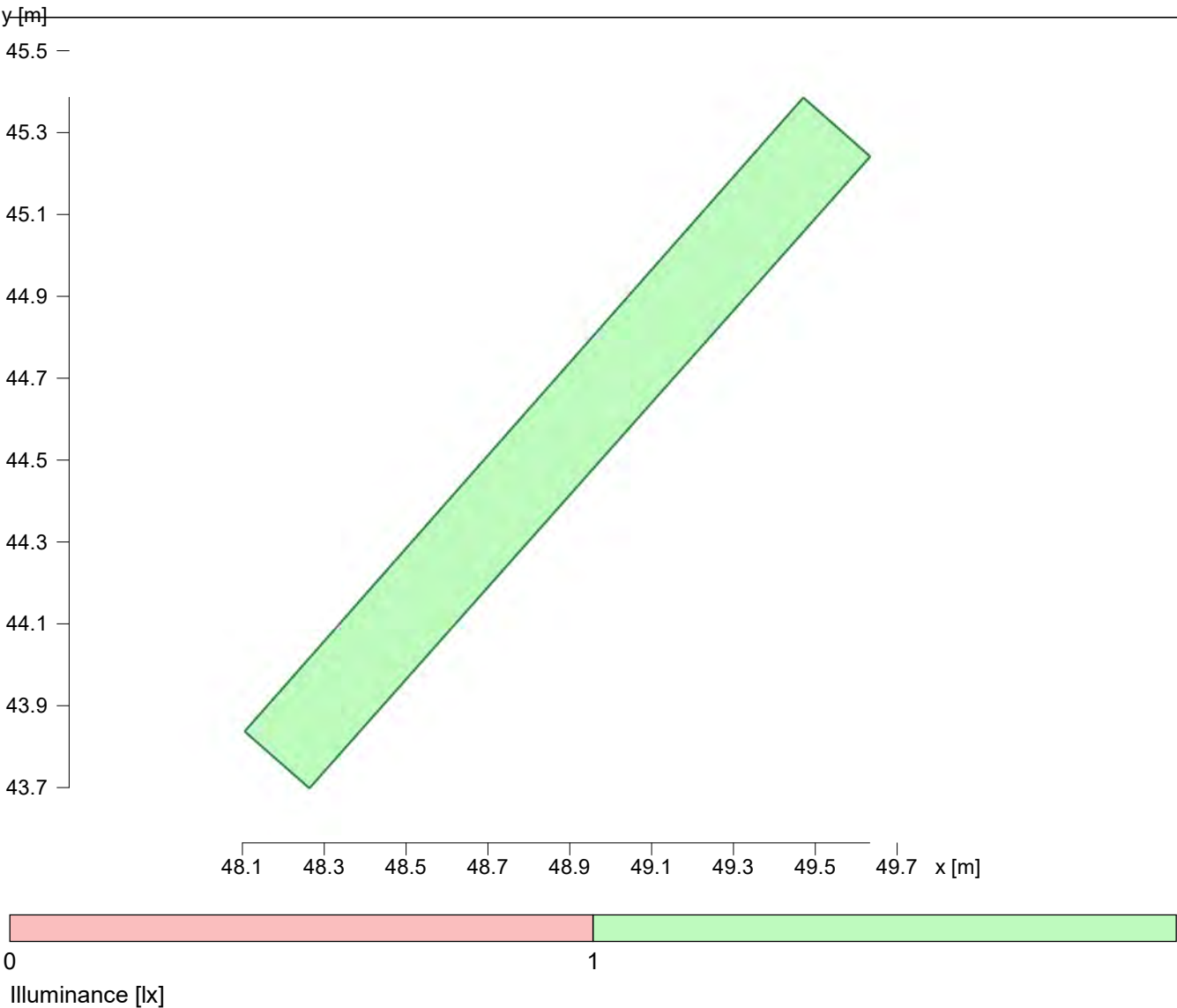
1.4.34 Boundary line, Anti panic area 12.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 1.2 lx
Maximum illuminance	Emax	: 5.3 lx
Diversity	Emin/Emax	: 1 : 4.29 (0.23) (Threshold value 1:40)
Height		: 0.8 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

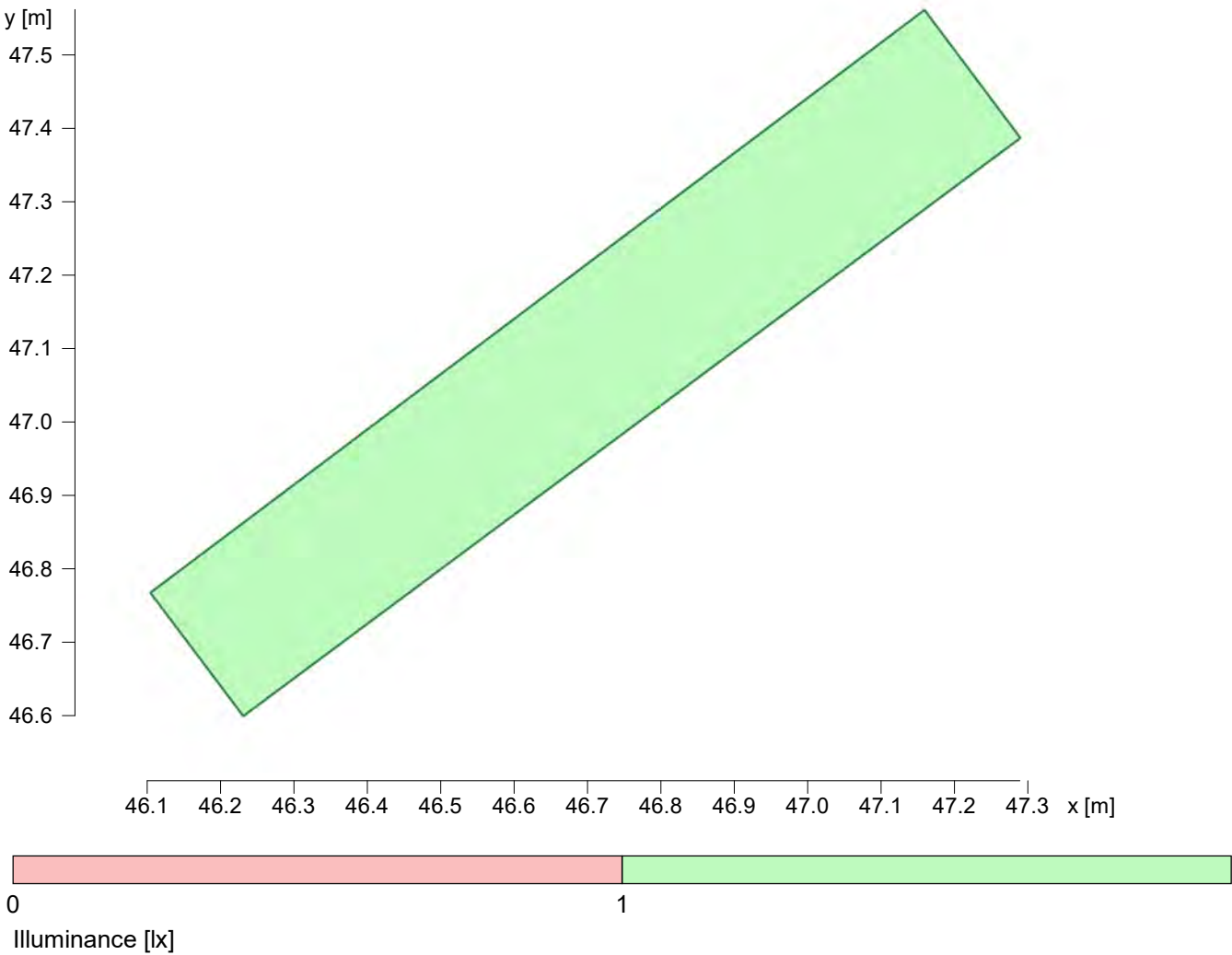
1.4.35 Boundary line, Anti panic area 13.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 1.4 lx
Maximum illuminance	Emax	: 6.4 lx
Diversity	Emin/Emax	: 1 : 4.41 (0.23) (Threshold value 1:40)
Height		: 1 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

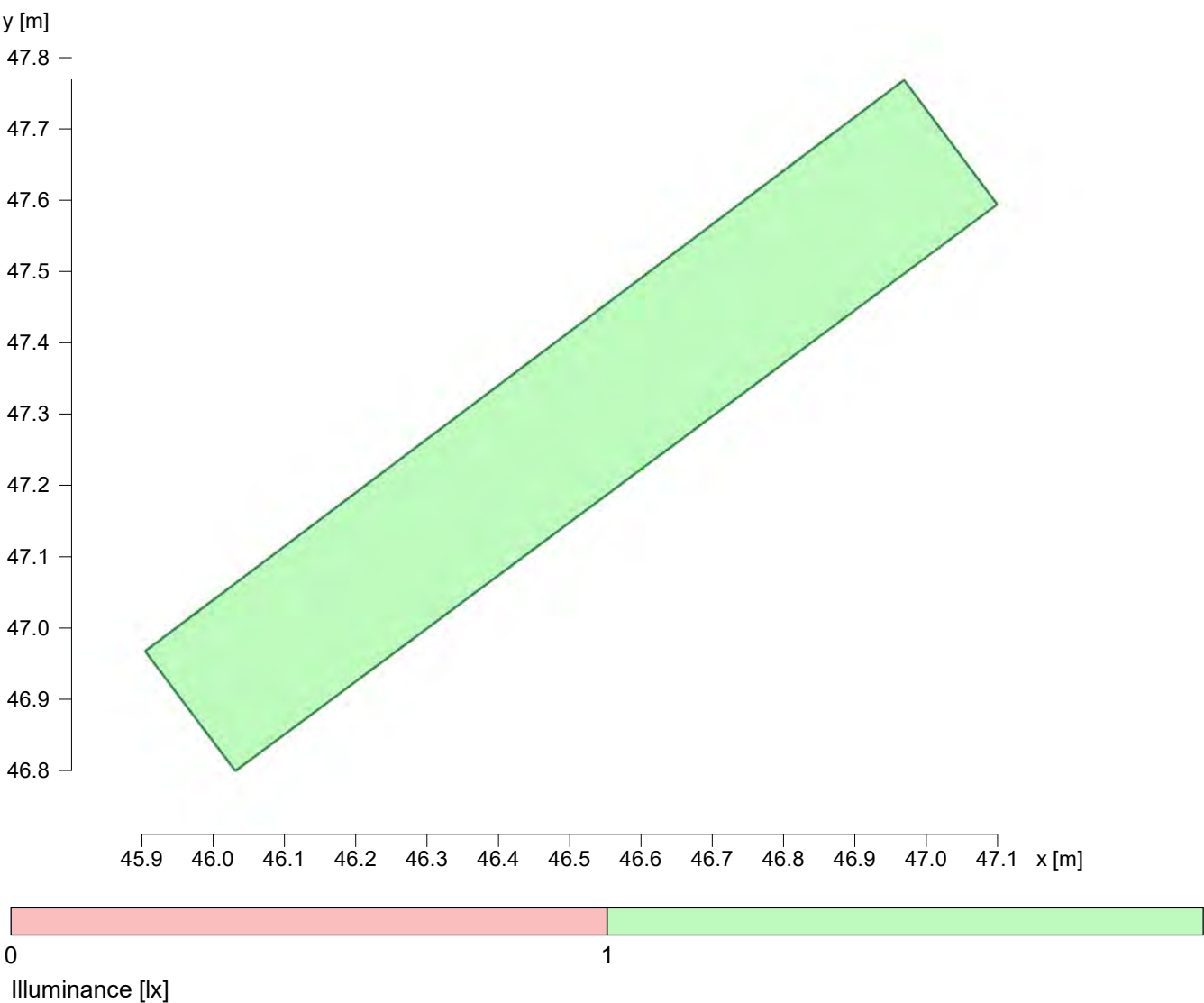
1.4.36 Boundary line, Anti panic area 14.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 2.9 lx
Maximum illuminance	Emax	: 6.9 lx
Diversity	Emin/Emax	: 1 : 2.34 (0.43) (Threshold value 1:40)
Height		: 1 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

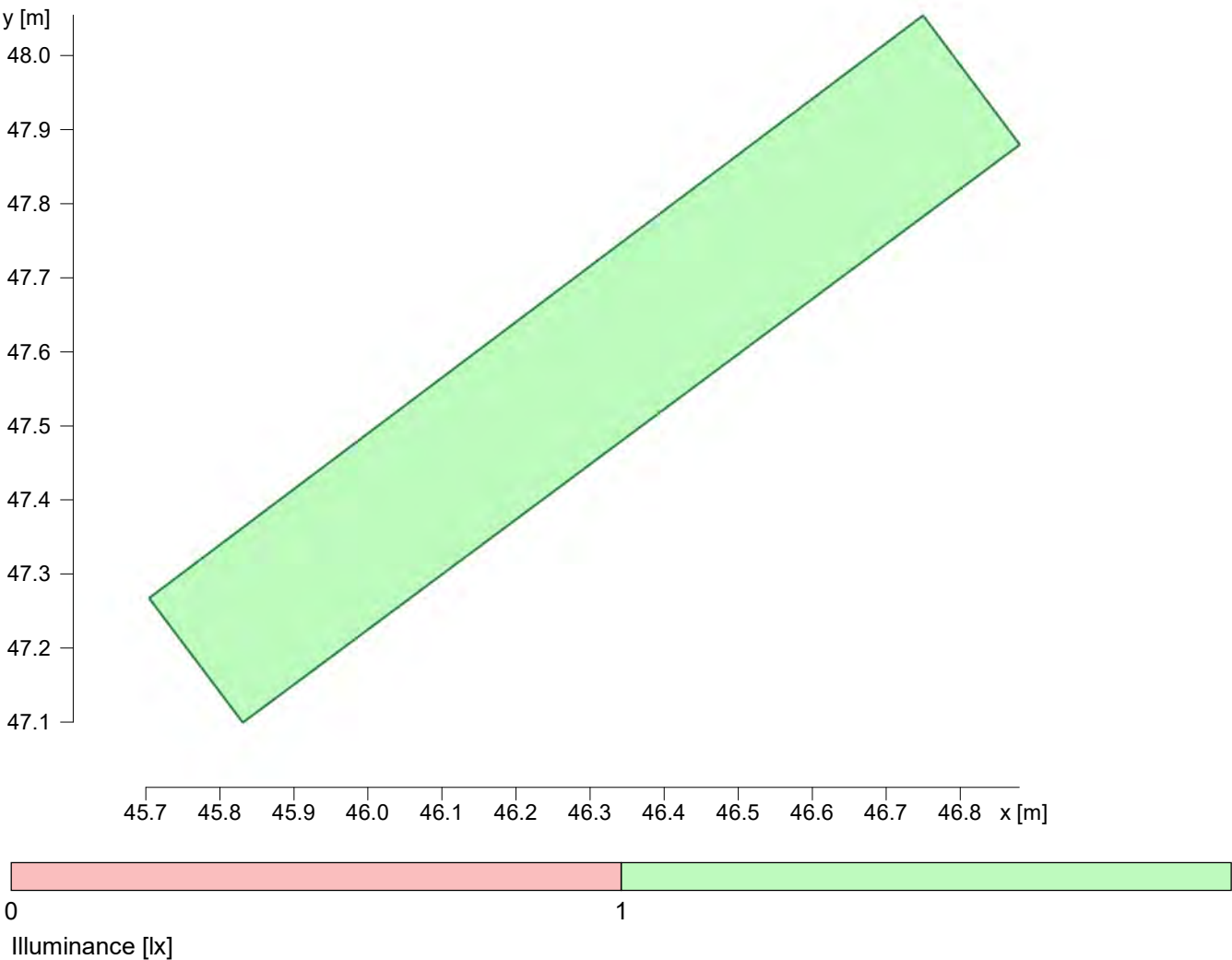
1.4.37 Boundary line, Anti panic area 15.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 2.7 lx
Maximum illuminance	Emax	: 6.3 lx
Diversity	Emin/Emax	: 1 : 2.31 (0.43) (Threshold value 1:40)
Height		: 0.8 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

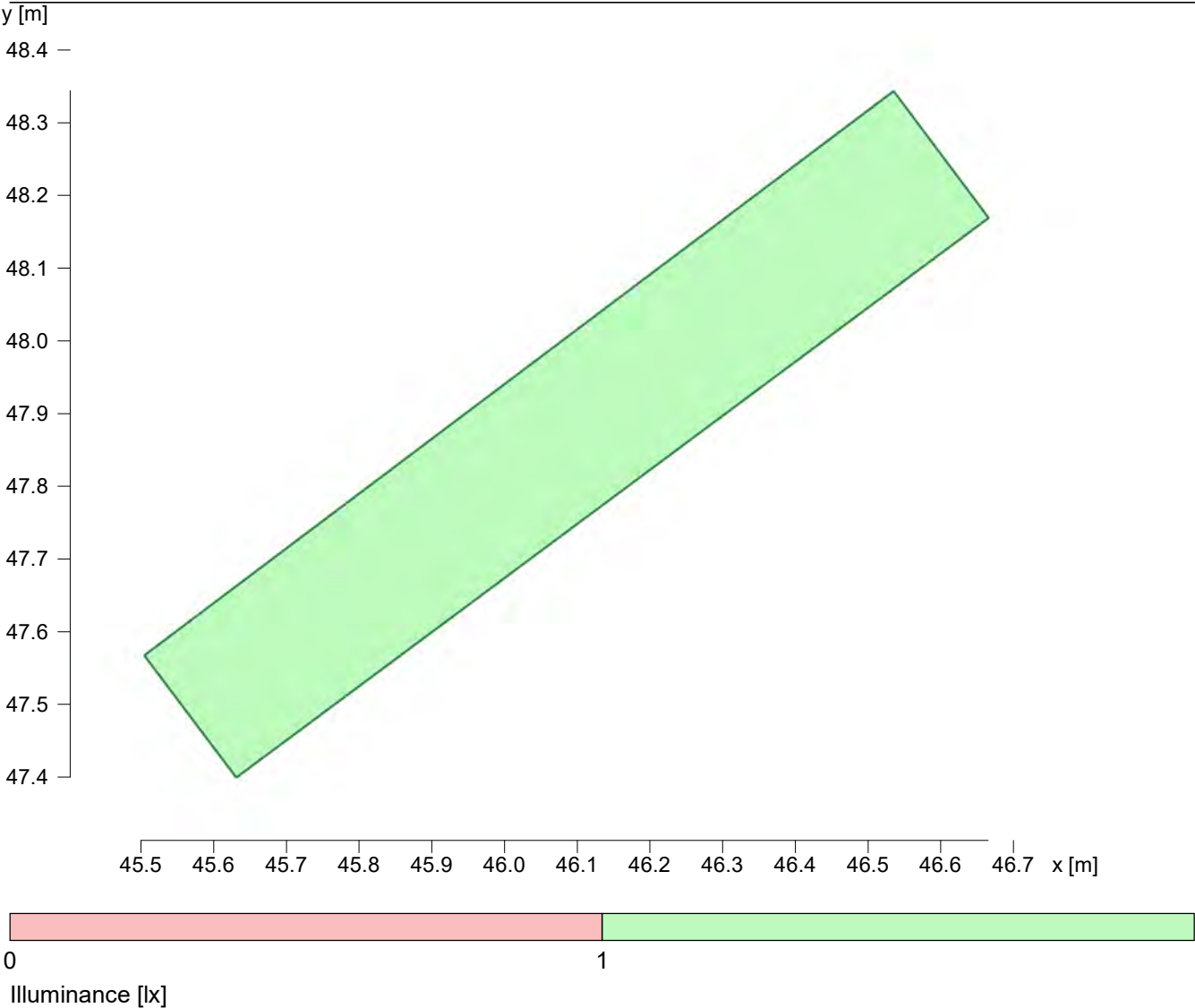
1.4.38 Boundary line, Anti panic area 16.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 2.6 lx
Maximum illuminance	Emax	: 5.6 lx
Diversity	Emin/Emax	: 1 : 2.12 (0.47) (Threshold value 1:40)
Height		: 0.6 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

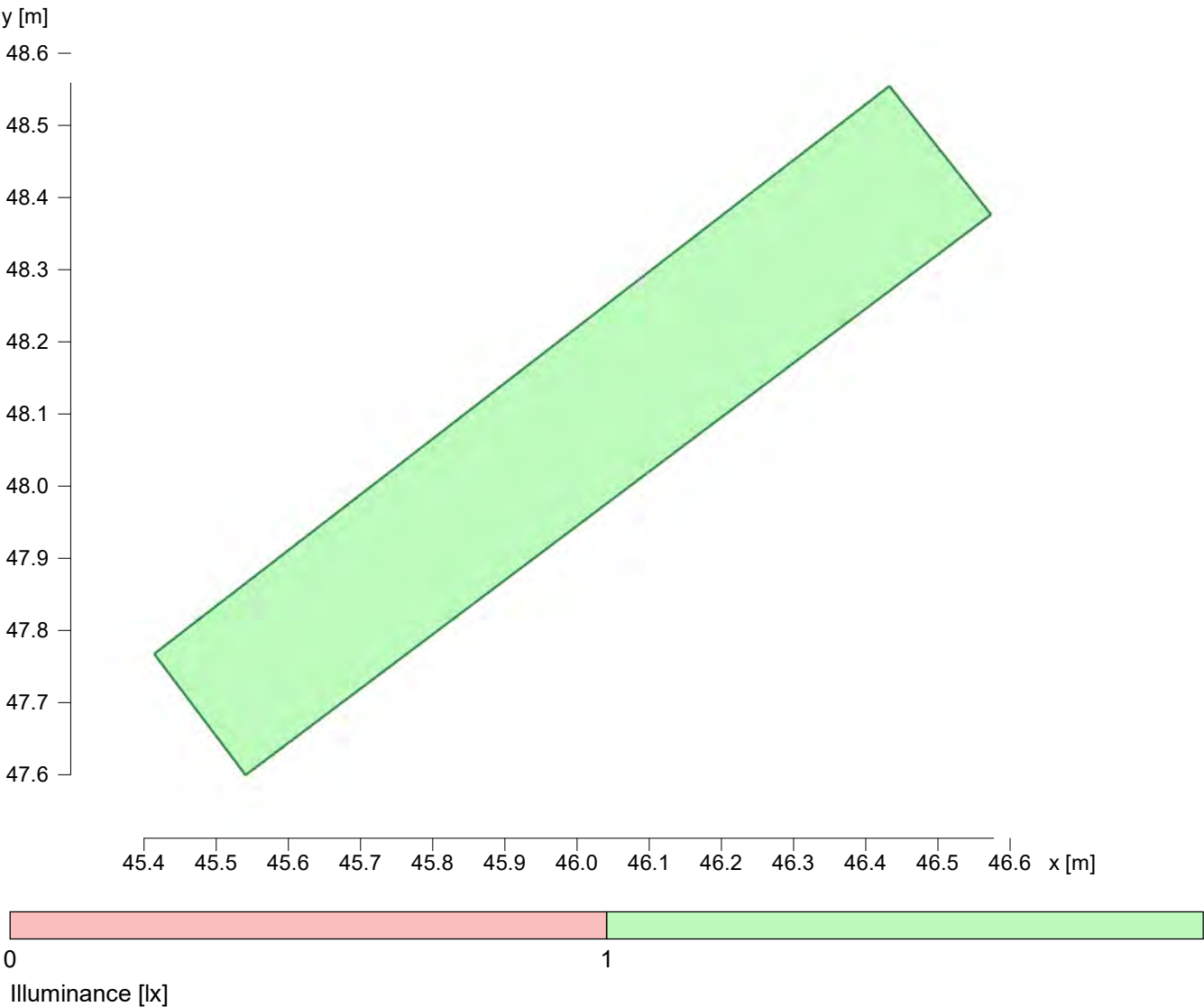
1.4.39 Boundary line, Anti panic area 17.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 2.4 lx
Maximum illuminance	Emax	: 4.8 lx
Diversity	Emin/Emax	: 1 : 1.97 (0.51) (Threshold value 1:40)
Height		: 0.4 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

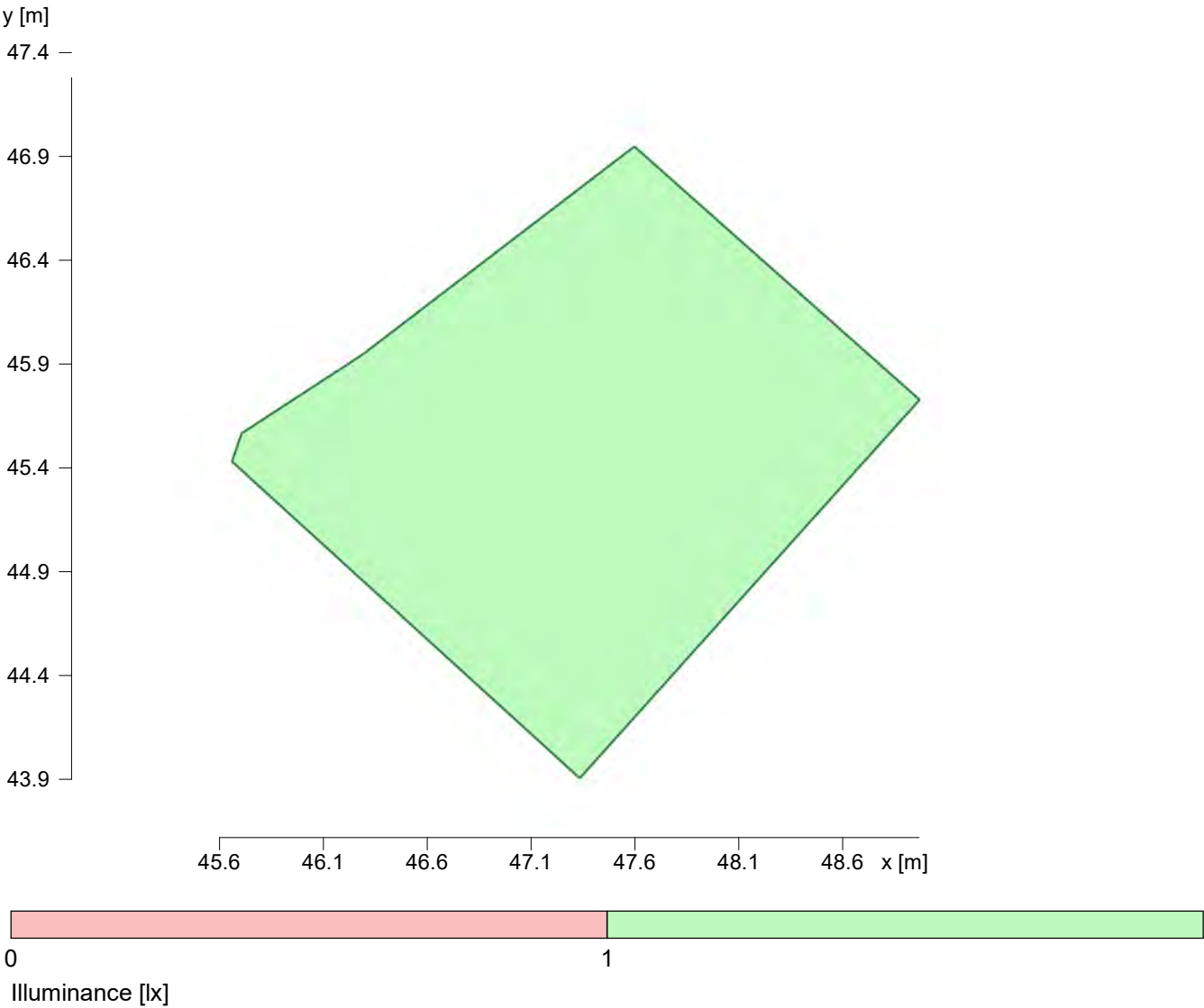
1.4.40 Boundary line, Anti panic area 18.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 2.2 lx
Maximum illuminance	Emax	: 4.1 lx
Diversity	Emin/Emax	: 1 : 1.85 (0.54) (Threshold value 1:40)
Height		: 0.2 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

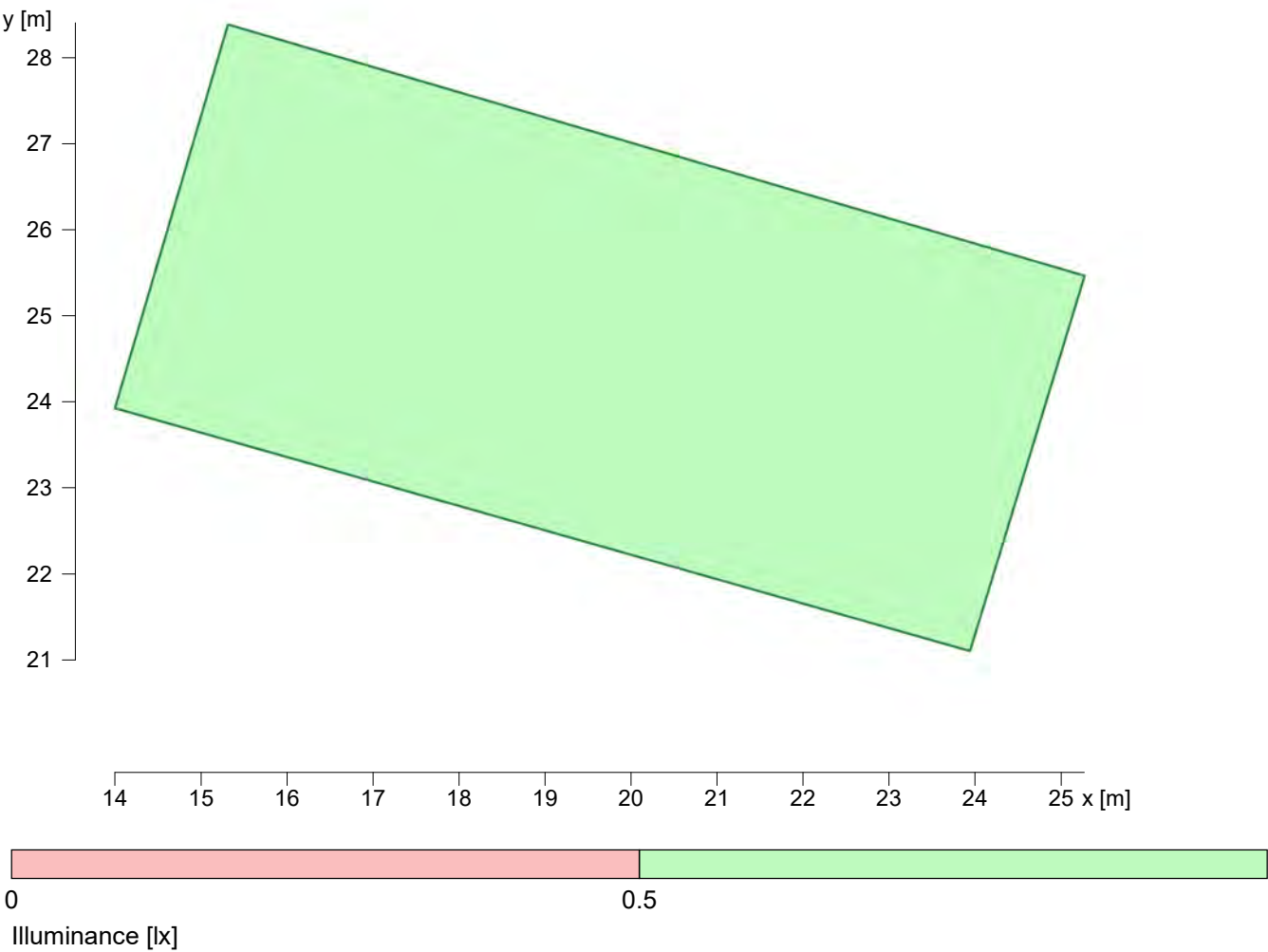
1.4.41 Boundary line, Anti panic area 19.1 (E)



Required minimum illuminance		: 1 lx
Minimum illuminance	Emin	: 1.6 lx
Maximum illuminance	Emax	: 7.2 lx
Diversity	Emin/Emax	: 1 : 4.42 (0.23) (Threshold value 1:40)
Height		: 1 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

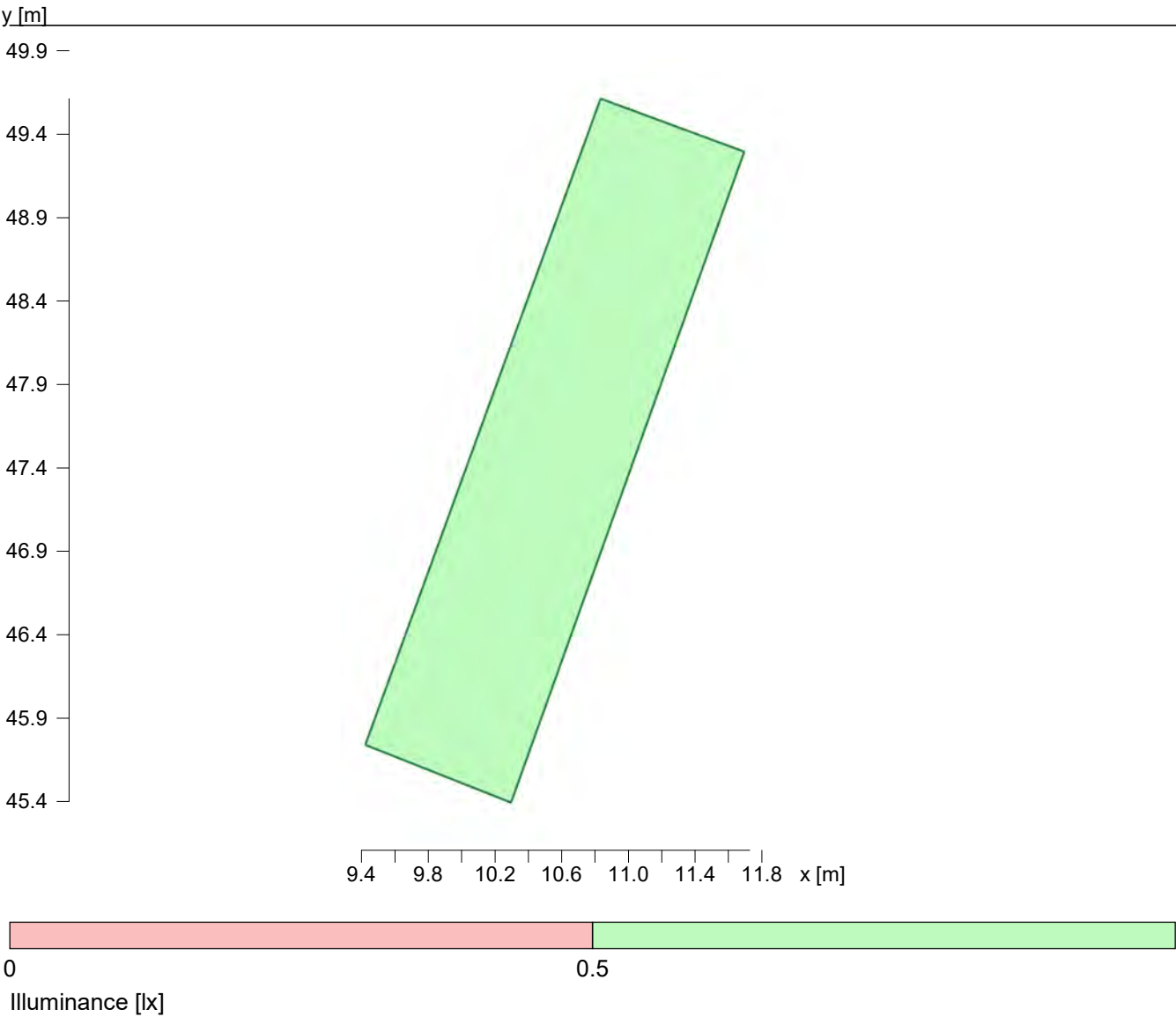
1.4.42 Boundary line, Anti panic area 22.1 (E)



Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 1.3 lx
Maximum illuminance	Emax	: 3.2 lx
Diversity	Emin/Emax	: 1 : 2.41 (0.42) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

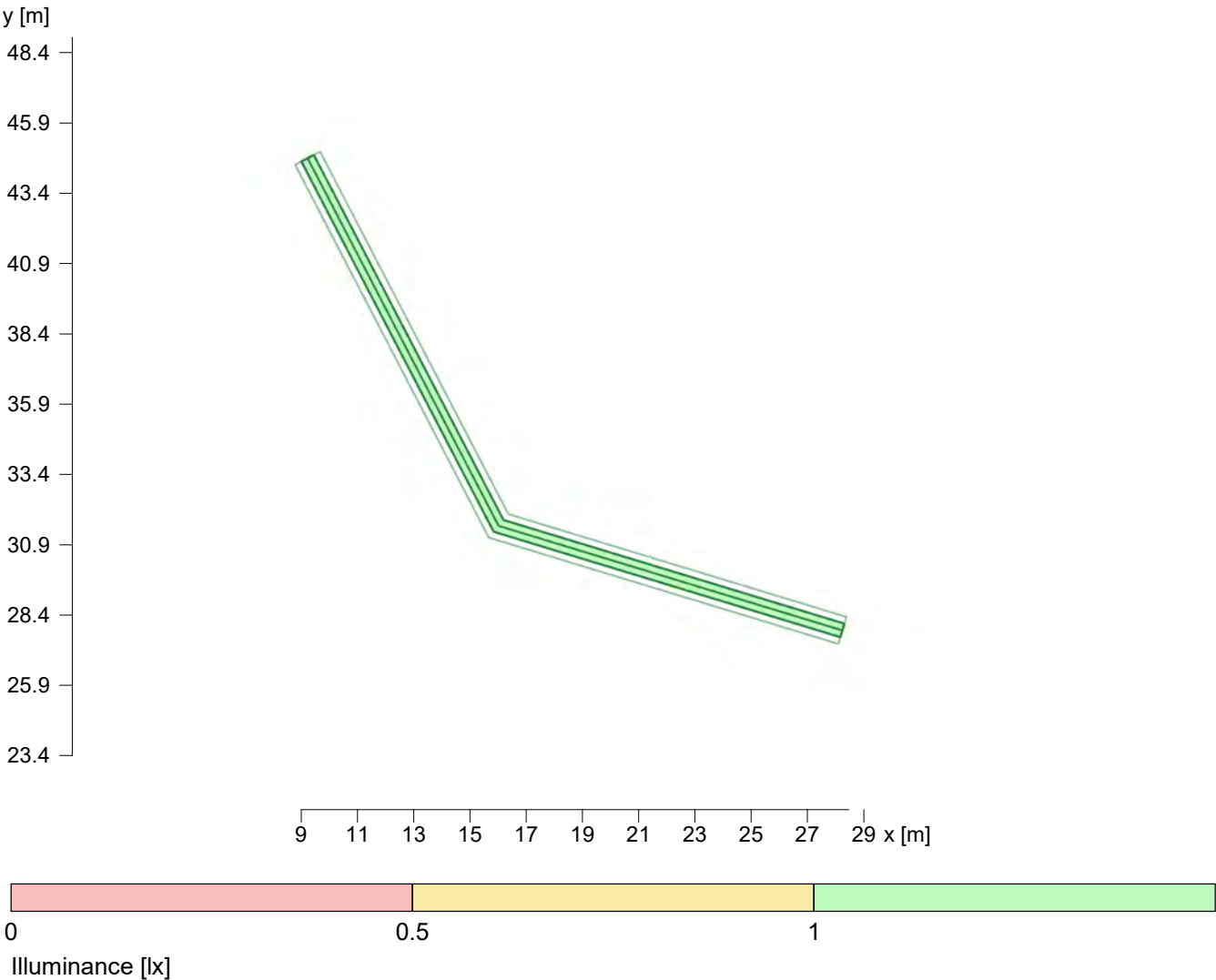
1.4.43 Boundary line, Anti panic area 23.1 (E)



Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 1.3 lx
Maximum illuminance	Emax	: 5.1 lx
Diversity	Emin/Emax	: 1 : 3.92 (0.25) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

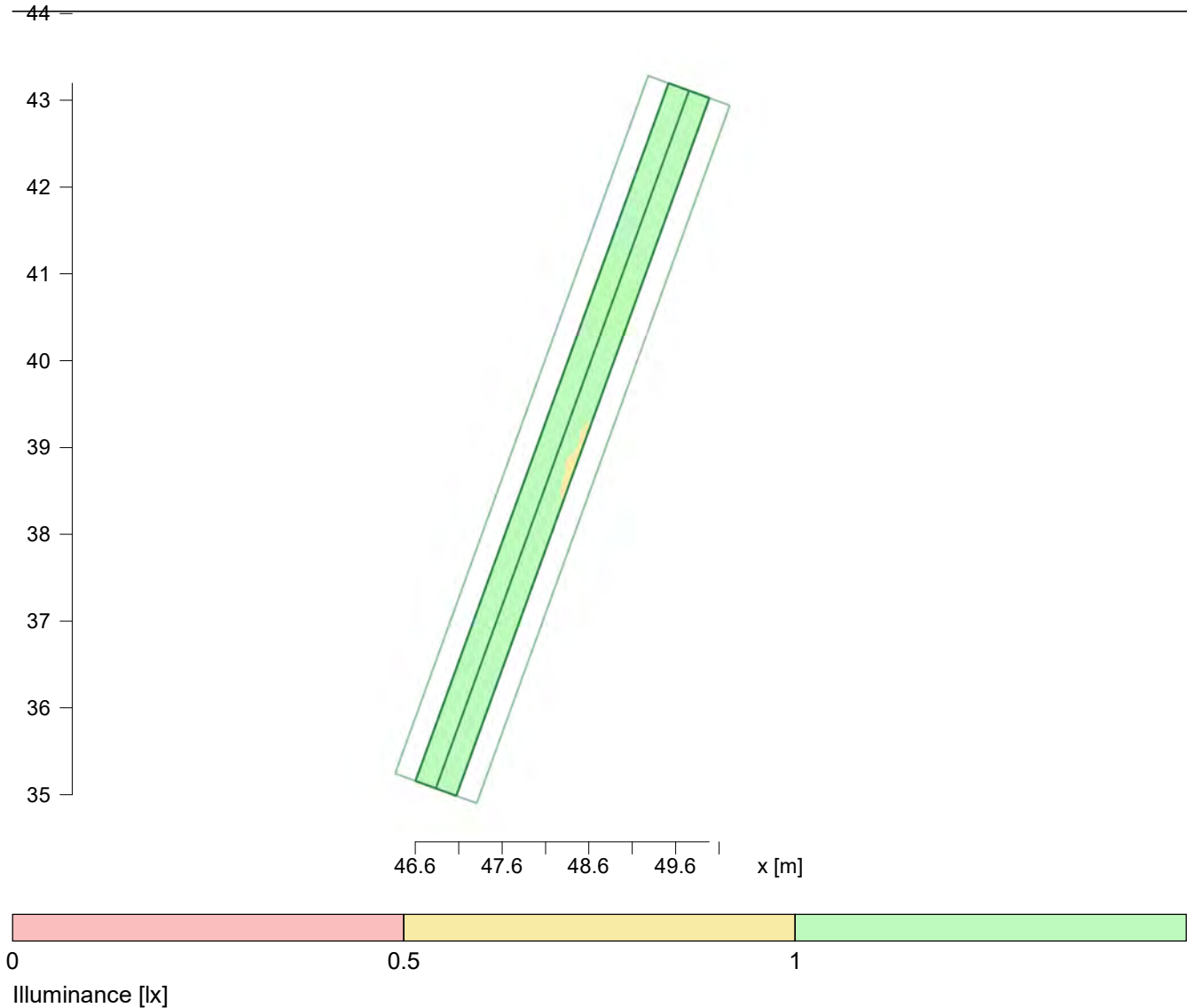
1.4.44 Boundary line, Escape route 1 (E)



Required minimum illuminance (central axis)		: 1 lx
Minimum illuminance (central axis)	Emin	: 1.1 lx
Maximum illuminance (central axis)	Emax	: 4.6 lx
Diversity	Emin/Emax	: 1 : 4.34 (0.23) (Threshold value 1:40)
Minimum illuminance	Emin	: 0.99 lx
Maximum illuminance	Emax	: 4.9 lx
Diversity	Emin/Emax	: 1 : 4.96 (0.20) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

1.4 Calculation results, Exterior 1

1.4.45 Boundary line, Escape route 2 (E)



Required minimum illuminance (central axis)		: 1 lx
Minimum illuminance (central axis)	Emin	: 1.1 lx
Maximum illuminance (central axis)	Emax	: 2.5 lx
Diversity	Emin/Emax	: 1 : 2.31 (0.43) (Threshold value 1:40)
Minimum illuminance	Emin	: 0.93 lx
Maximum illuminance	Emax	: 2.8 lx
Diversity	Emin/Emax	: 1 : 3.03 (0.33) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8