

DWD-6186-Westwood College Phase 2

Installation : Proposed Lighting

Project number :

Customer :

Processed by : DWD

Date : 13.06.2025

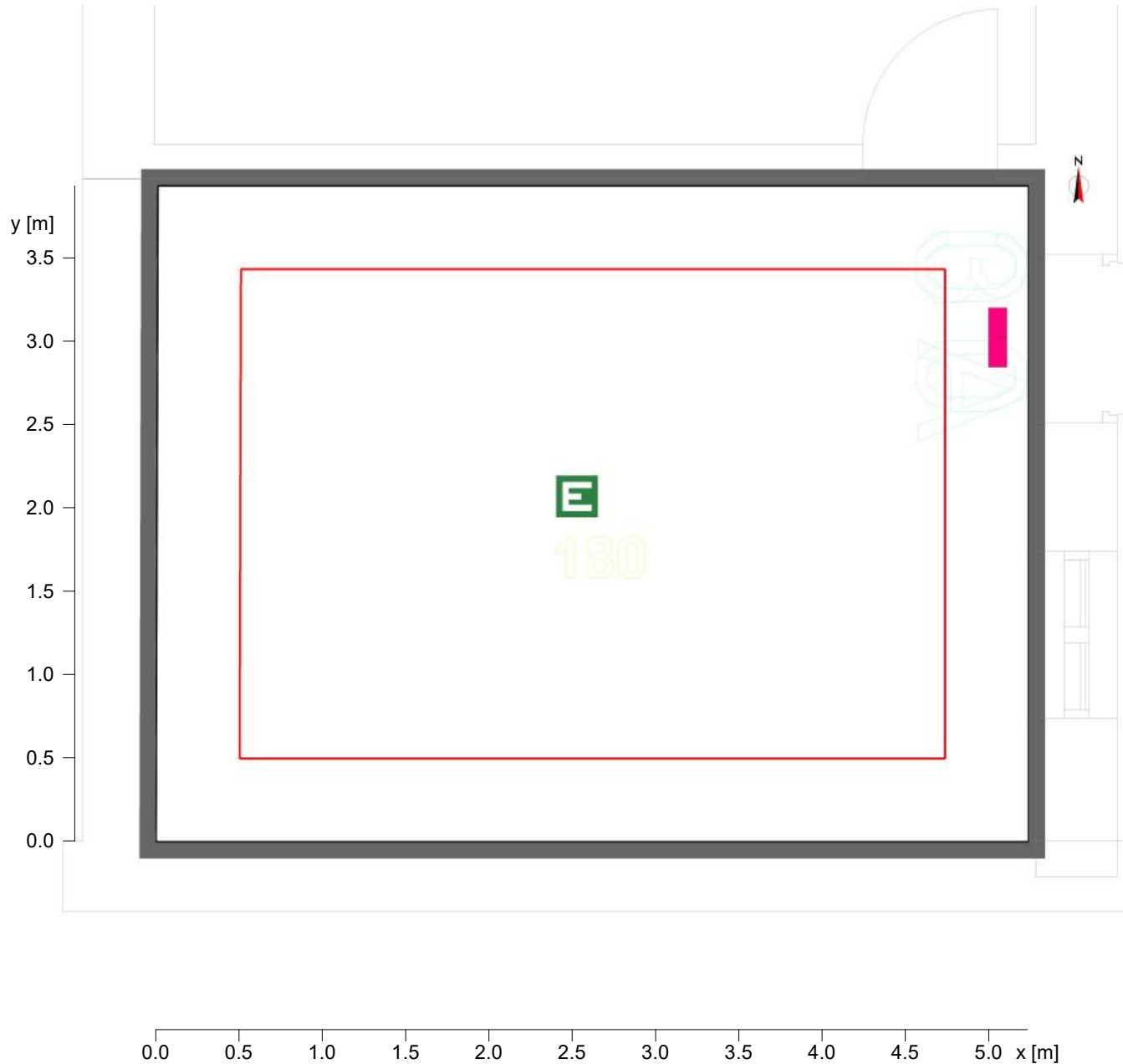
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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1 Room 1

1.1 Description, Room 1

1.1.1 Floor plan



Wall	x	y	Length	Area[m²]	Reflectance
1	5.79 m	15.06 m	5.23 m	14.13	50.0 %
2	5.79 m	18.99 m	3.93 m	10.62	50.0 %
3	0.57 m	18.99 m	5.22 m	14.10	50.0 %
4	0.56 m	15.06 m	3.93 m	10.62	50.0 %
Floor:				20.6	20.0 %
Ceiling:				20.6	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume					55.5 m³

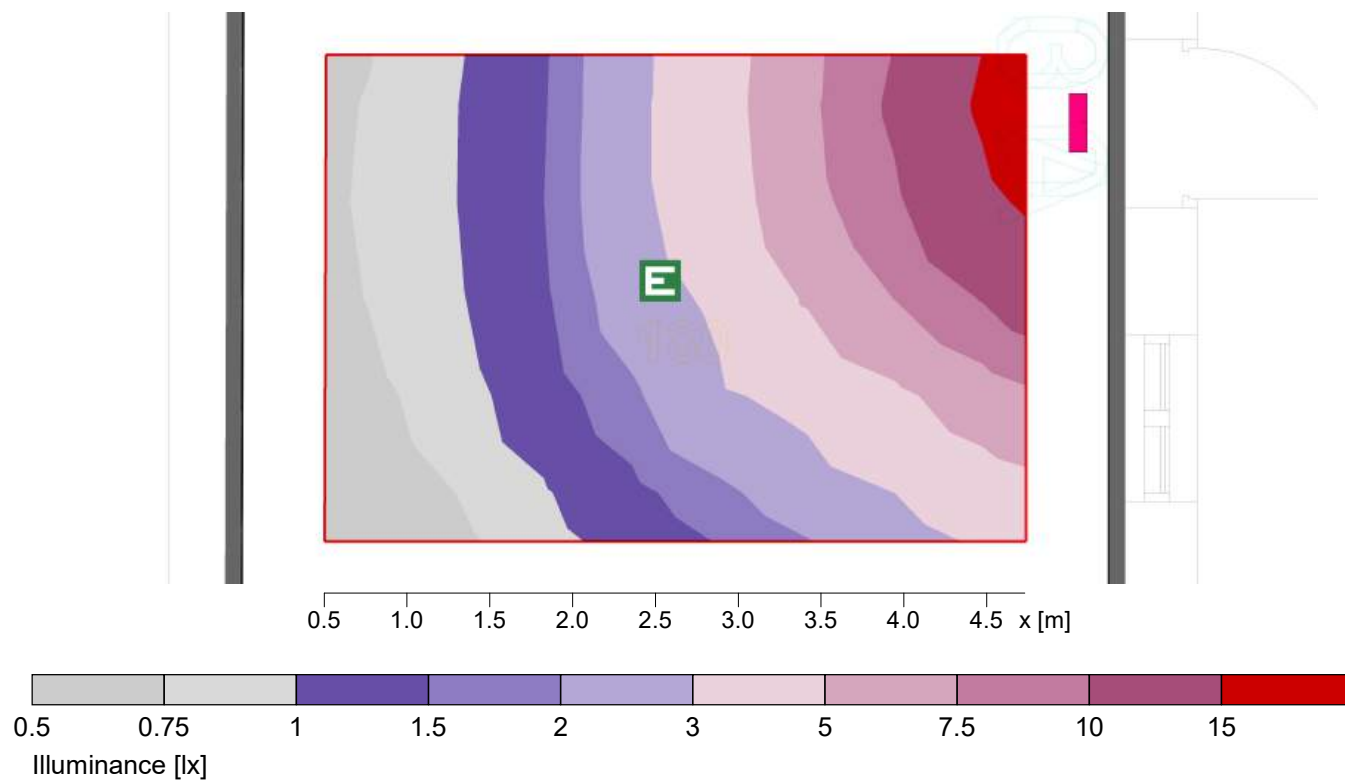
Object : DWD-6186-Westwood College Phase 2
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1 Room 1

1.2 Summary, Room 1

1.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used
Height of luminaire plane
Maintenance factor

Average indirect fraction
2.70 m
0.80

Luminaire luminous flux
Total power
Total power per area (20.55 m²)

195.00 lm
2.1 W
0.10 W/m² (2.70 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

$\bar{E}_m$
 E_{min}
 $E_{min}/\bar{E}_m (U_o)$
 $E_{min}/E_{max} (U_d)$
 E_z/E_h
Position
R_{UG} (2.7H 3.6H)
Luminaire :
(E3C943083080, !E3C943083080)

Horizontal
3.78 lx
0.65 lx
0.17
0.04

0.50
1.20 m

≤16.2

cylindrical
1.93 lx
0.67 lx
0.34

0.50
1.20 m

Major surfaces

$\bar{E}_m$

U_o

Type No.\Make

Object : DWD-6186-Westwood College Phase 2
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1 Room 1

1.2 Summary, Room 1

1.2.1 Result overview, Evaluation area 1

NVC Lighting		
3	1 x	Order No. : !E3C943083080/Setting 1
		Luminaire name : E3C943083080
		Equipment : 1 x LED MAINS MODULE 2.1 W / 195 lm

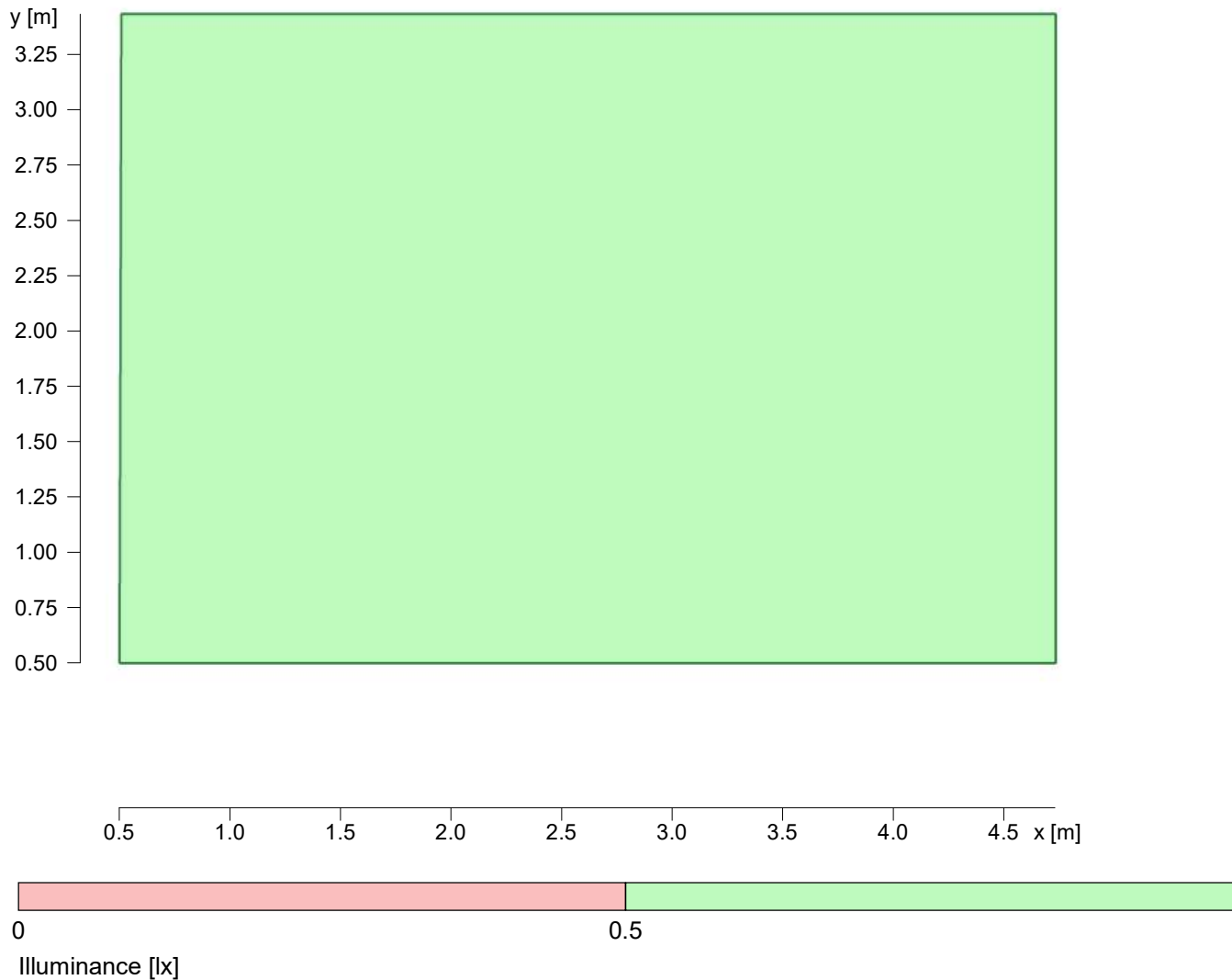
Object : DWD-6186-Westwood College Phase 2
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1 Room 1

1.3 Calculation results, Room 1

1.3.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 1.5 lx

Maximum illuminance

Emax : 3.6 lx

Diversity

Emin/Emax : 1 : 2.47 (0.41) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

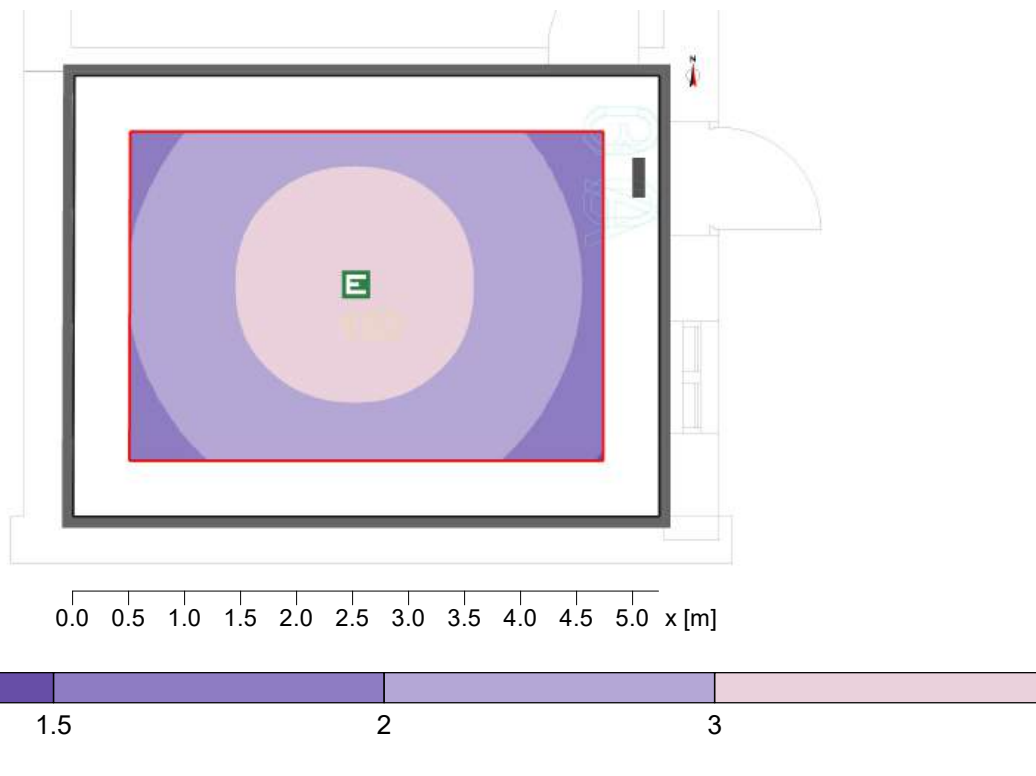
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
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1.3 Summary, Room 1

1.3.2 Result overview (emergency lighting)

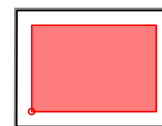


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Surface		Ud
	Emin [lx]	Emax [lx]	
Anti panic area 1.1			
Calculation field: 4.23m x 2.93m (8 x 5 pts), Height = 0.00m			
1	1.46 lx	3.61 lx	1: 2.47
	>= 0.5 lx		>= 1 : 40



Type No. Make

NVC Lighting			
1	1E x	Order No. : IE3C943083103/Setting 2	-- Emergency Lighting --
		Luminaire name : E3C943083103	
		Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)	
		Emergency : 209 lm	

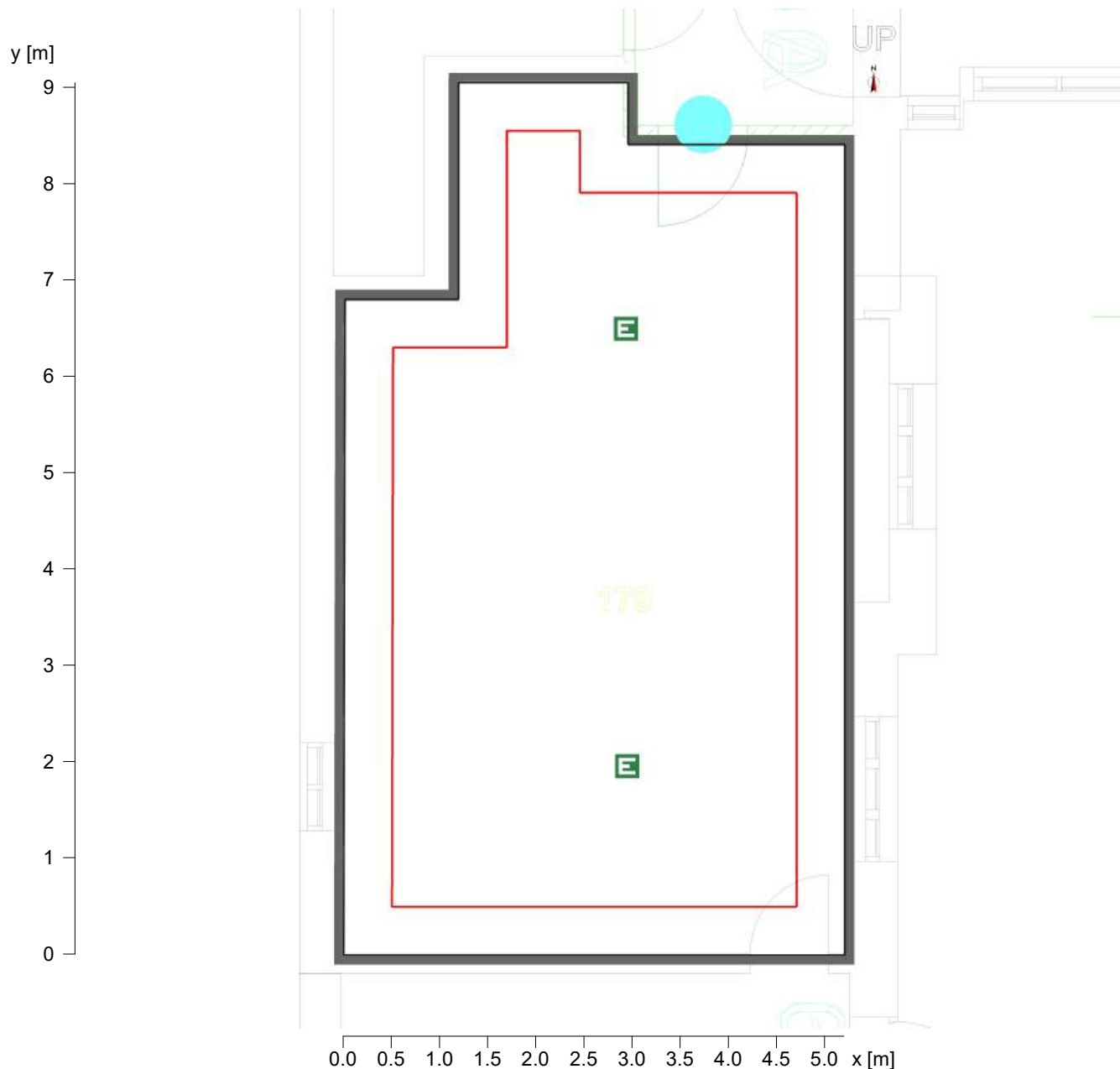
Object : DWD-6186-Westwood College Phase 2
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Project number :
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2 Room 2

2.1 Description, Room 2

2.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	5.78 m	19.22 m	5.20 m	14.04	50.0 %
2	5.78 m	27.63 m	8.41 m	22.70	50.0 %
3	3.53 m	27.63 m	2.25 m	6.07	50.0 %
4	3.53 m	28.27 m	0.64 m	1.73	50.0 %
5	1.77 m	28.27 m	1.76 m	4.75	50.0 %
6	1.77 m	26.02 m	2.25 m	6.07	50.0 %
7	0.59 m	26.02 m	1.18 m	3.18	50.0 %
8	0.58 m	19.22 m	6.80 m	18.36	50.0 %

Floor:

42.9

20.0 %

Ceiling:

42.9

70.0 %

Room height [m]:

2.70 m

Height of ref. plane [m]:

0.75 m

Volume

115.7 m³

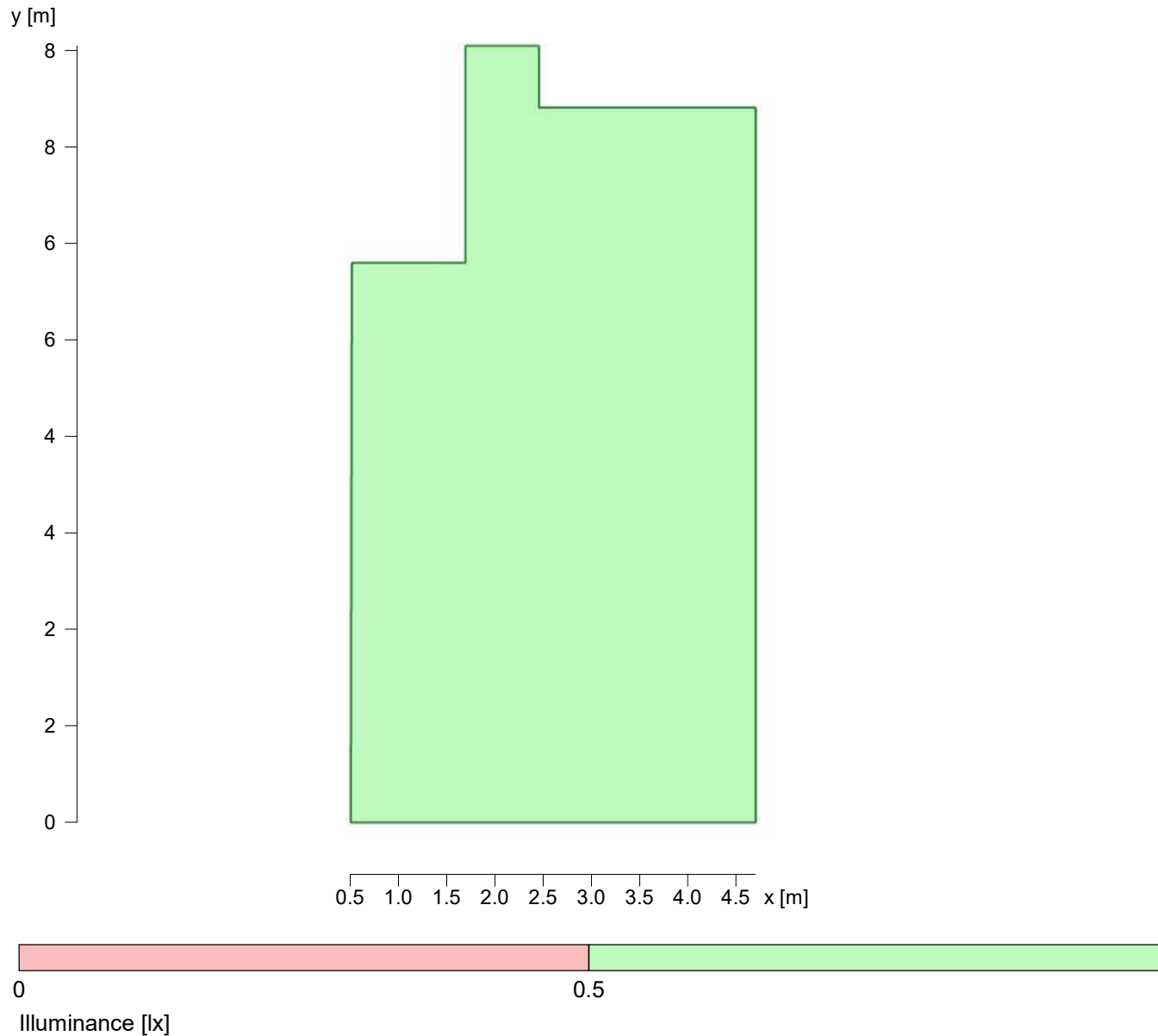
Object : DWD-6186-Westwood College Phase 2
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2 Room 2

2.2 Calculation results, Room 2

2.2.1 Boundary line, Anti panic area 1.1 (E)



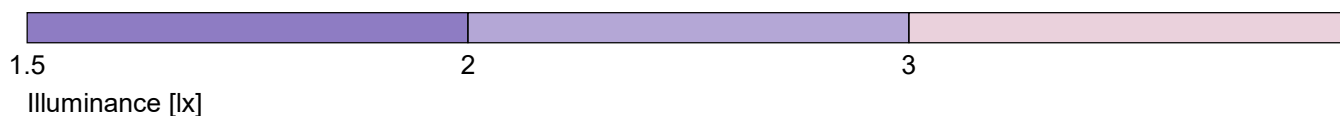
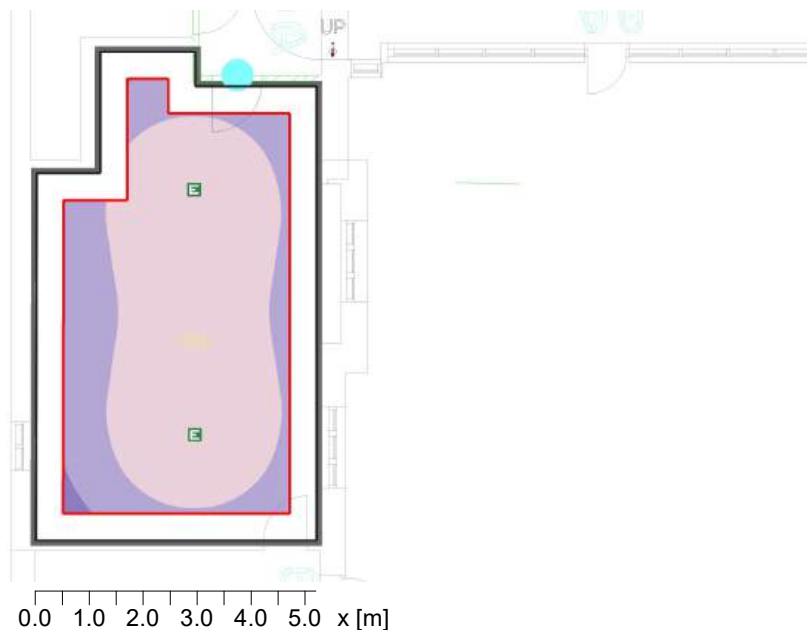
Required minimum illuminance		: 0.5 lx
Minimum illuminance	Emin	: 1.6 lx
Maximum illuminance	Emax	: 4.3 lx
Diversity	Emin/Emax	: 1 : 2.60 (0.38) (Threshold value 1:40)
Height		: 0 m
Calculation algorithm used		: Direct component
Maintenance factor		: 0.8

Object : DWD-6186-Westwood College Phase 2
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Project number :
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2.2 Summary, Room 2

2.2.2 Result overview (emergency lighting)



General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
1	1.64 lx	4.27 lx	1: 2.60
	>= 0.5 lx		>= 1 : 40

Anti panic area 1.1

Calculation field: 4.2m x 8.05m (5 x 9 pts), Height = 0.00m



Type No. \Make

1	2E x	NVC Lighting	
		Order No.	: IE3C943083103/Setting 2 -- Emergency Lighting --
		Luminaire name	: E3C943083103
		Equipment	: 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)
		Emergency	: 209 lm

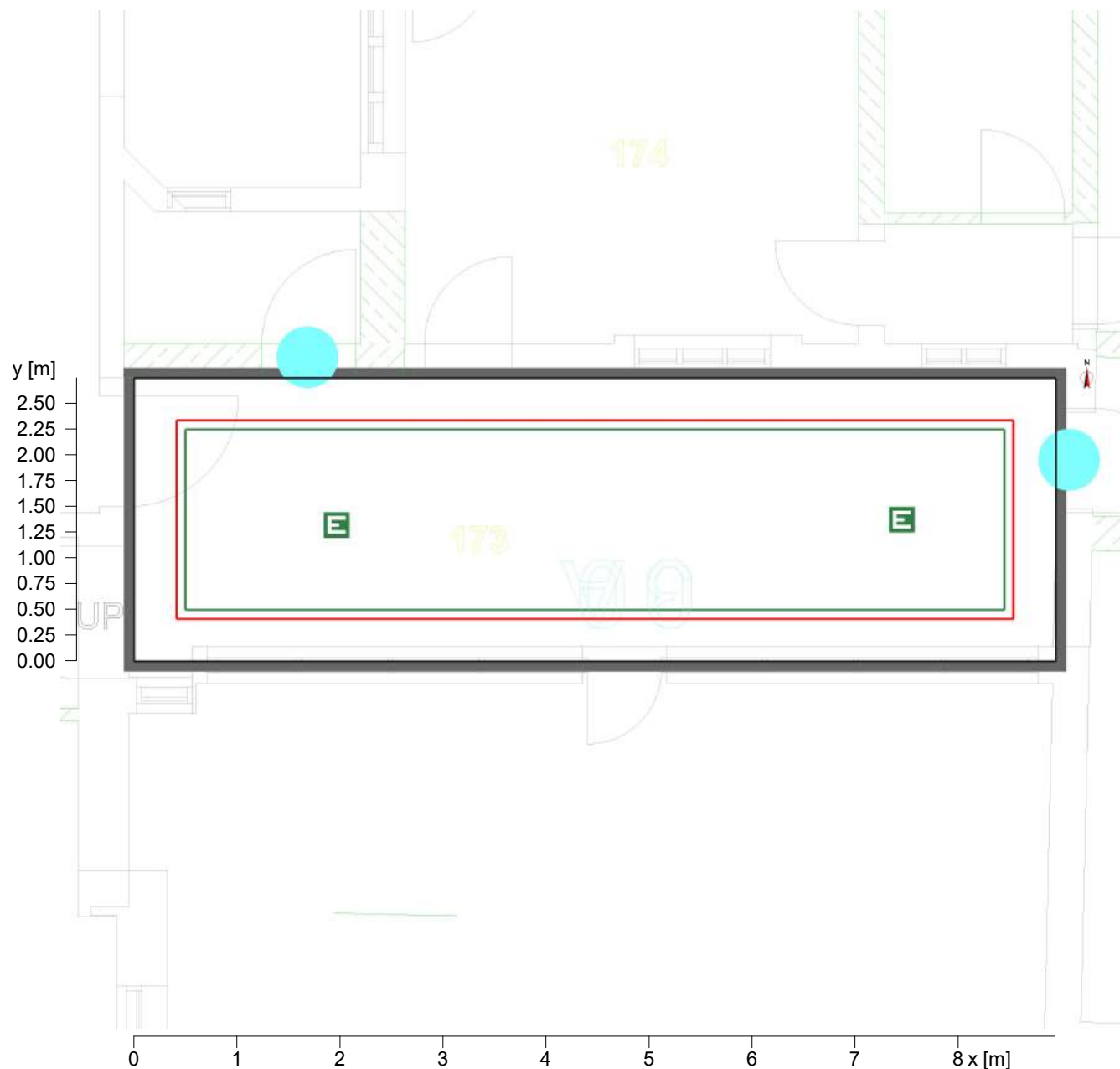
Object : DWD-6186-Westwood College Phase 2
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3 Room 3

3.1 Description, Room 3

3.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	15.34 m	28.28 m	8.94 m	24.13	50.0 %
2	15.34 m	31.03 m	2.75 m	7.42	50.0 %
3	6.40 m	31.03 m	8.94 m	24.13	50.0 %
4	6.40 m	28.28 m	2.75 m	7.42	50.0 %
Floor:				24.6	20.0 %
Ceiling:				24.6	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume		66.3 m ³			

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025



3 Room 3

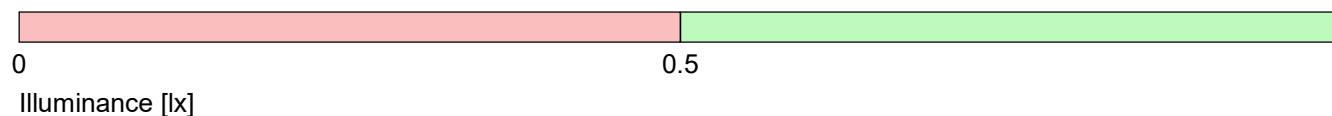
3.2 Calculation results, Room 3

3.2.1 Boundary line, Anti panic area 1.1 (E)

y [m]



0 2 2 4 4 6 6 8 8 x [m]



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 2.5 lx

Maximum illuminance

Emax : 4 lx

Diversity

Emin/Emax : 1 : 1.61 (0.62) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

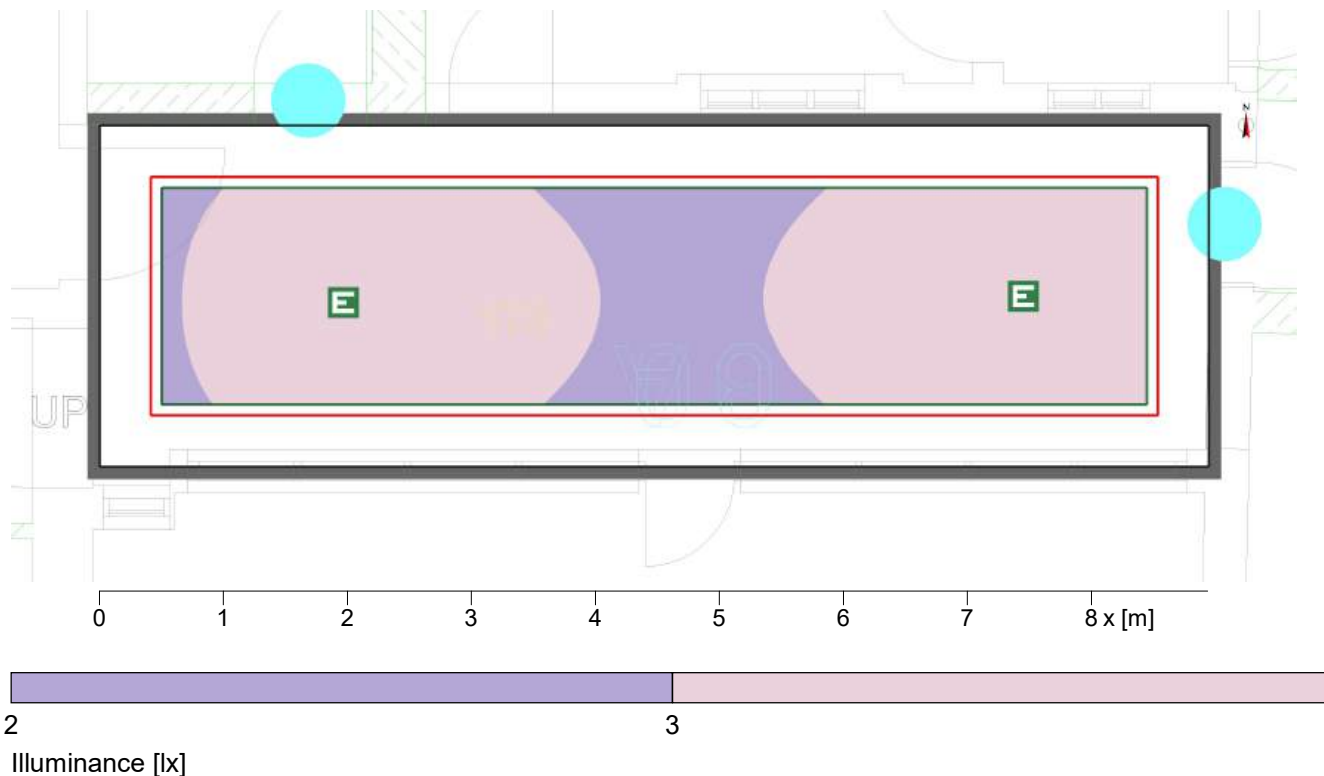
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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3.2 Summary, Room 3

3.2.2 Result overview (emergency lighting)

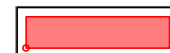


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1.1			
Calculation field: 7.94m x 1.75m (27 x 6 pts), Height = 0.00m			
1	2.51 lx >= 0.5 lx	4.03 lx	1: 1.61 >= 1 : 40



Type No. \Make

NVC Lighting			
1	2E x	Order No. : IE3C943083103/Setting 2	-- Emergency Lighting --
		Luminaire name : E3C943083103	
		Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)	
		Emergency : 209 lm	

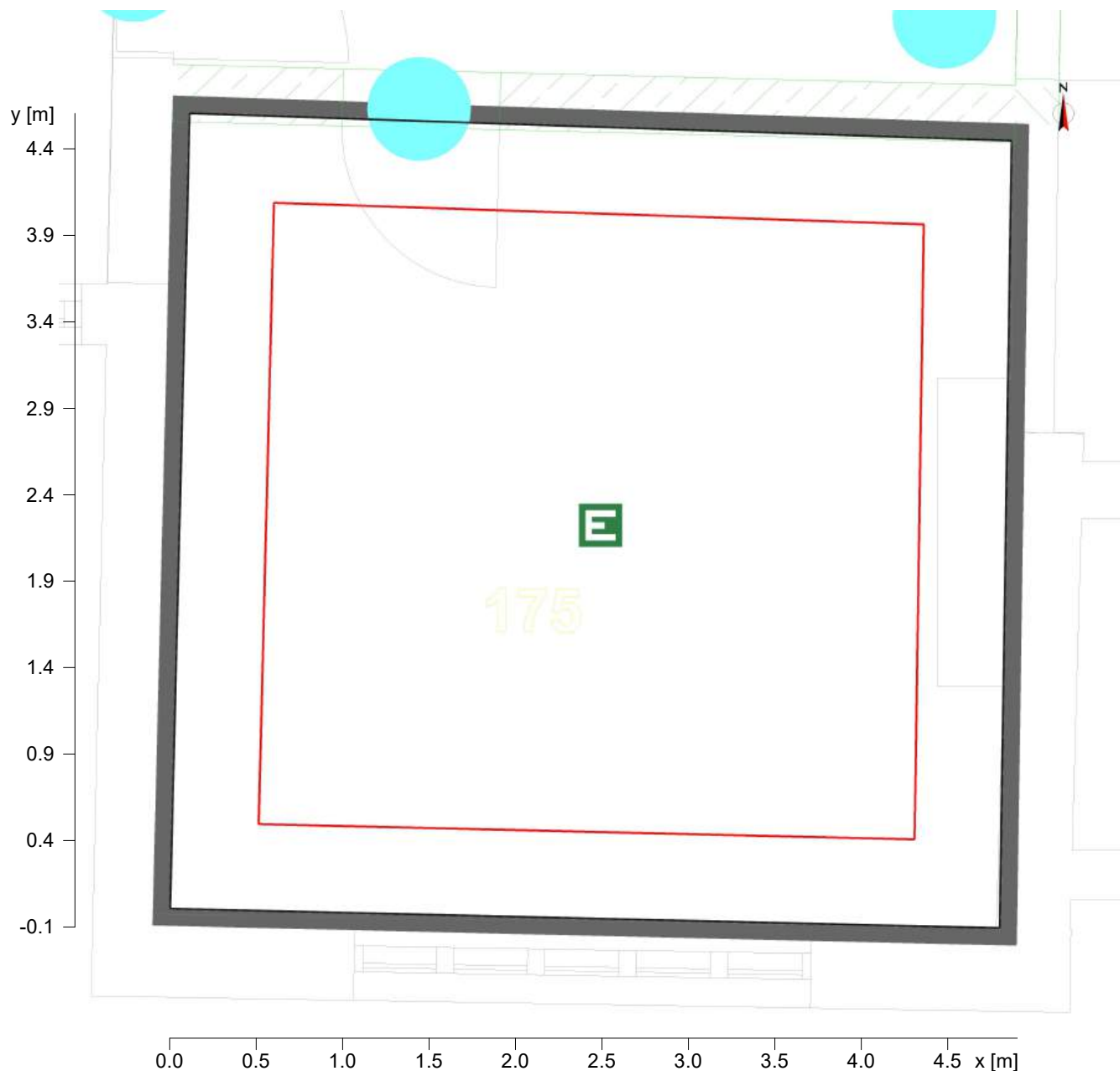
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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4 Room 4

4.1 Description, Room 4

4.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	20.47 m	24.71 m	4.80 m	12.95	50.0 %
2	20.54 m	29.25 m	4.55 m	12.28	50.0 %
3	15.79 m	29.41 m	4.75 m	12.83	50.0 %
4	15.68 m	24.82 m	4.59 m	12.40	50.0 %
Floor:				21.8	20.0 %
Ceiling:				21.8	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume		58.9 m ³			

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

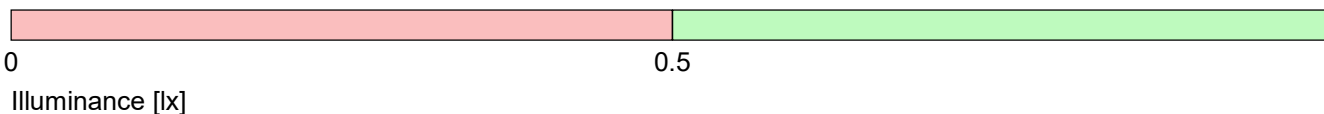
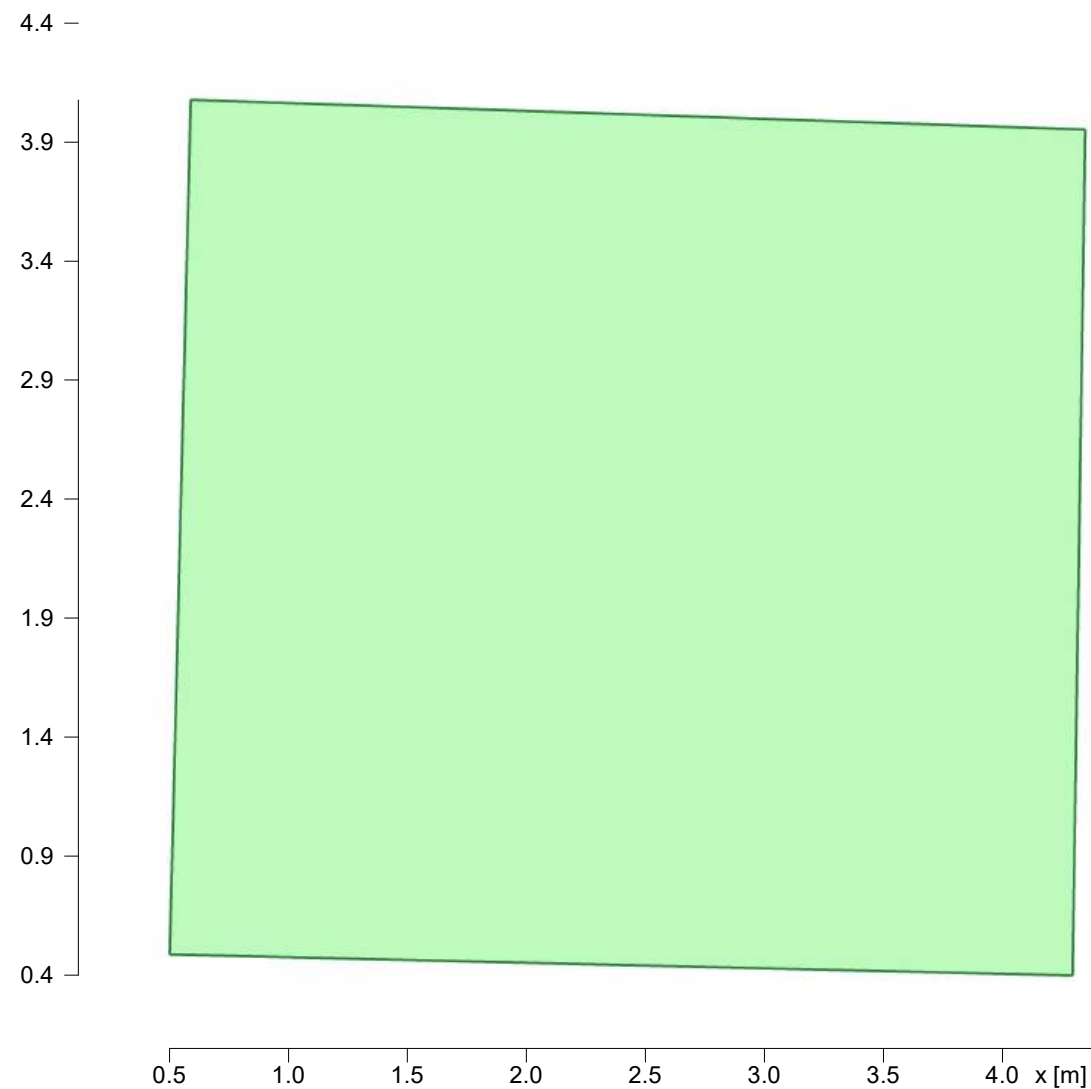


4 Room 4

4.2 Calculation results, Room 4

4.2.1 Boundary line, Anti panic area 1.1 (E)

y [m]



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 1.5 lx

Maximum illuminance

Emax : 3.6 lx

Diversity

Emin/Emax : 1 : 2.38 (0.42) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

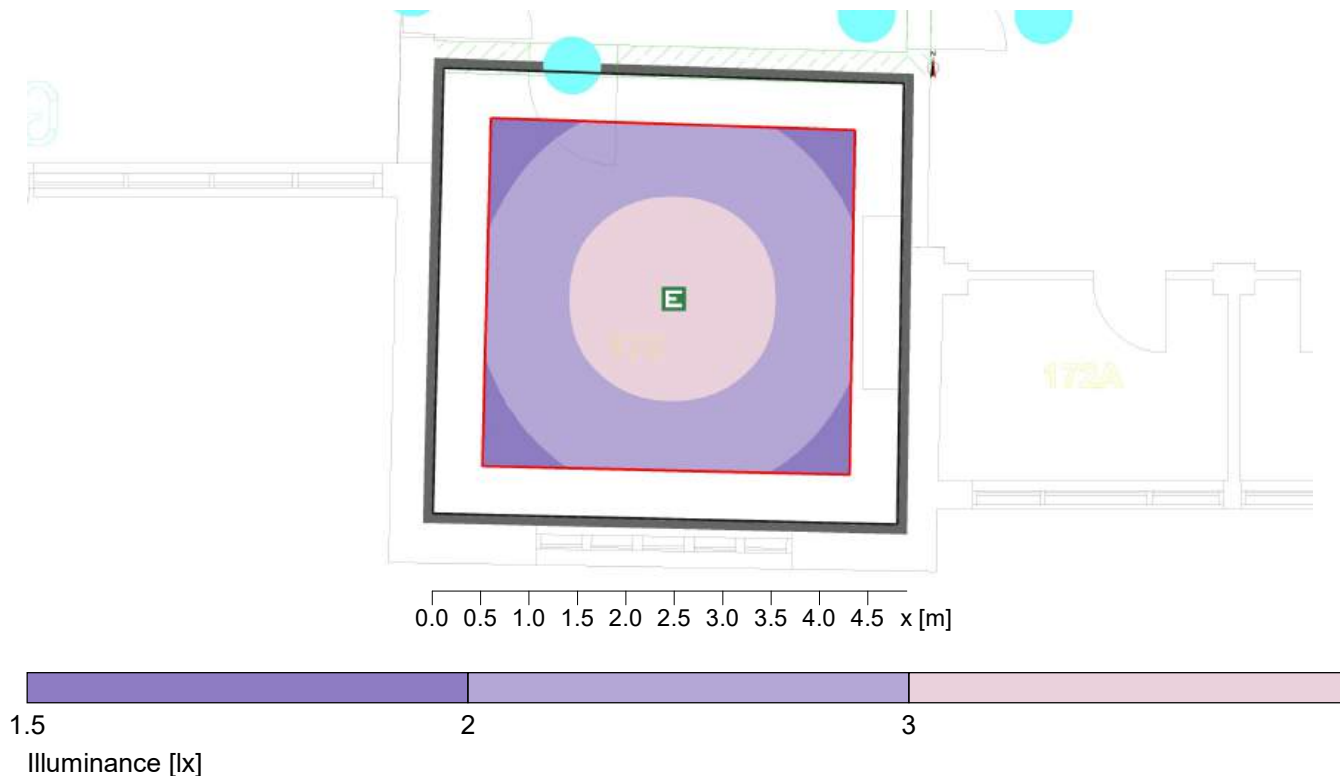
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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4.2 Summary, Room 4

4.2.2 Result overview (emergency lighting)

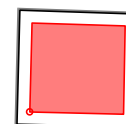


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Surface		Ud
	Emin [lx]	Emax [lx]	
Anti panic area 1.1			
Calculation field: 3.79m x 3.59m (7 x 7 pts), Height = 0.00m			
1	1.52 lx	3.61 lx	1: 2.38
	>= 0.5 lx		>= 1 : 40



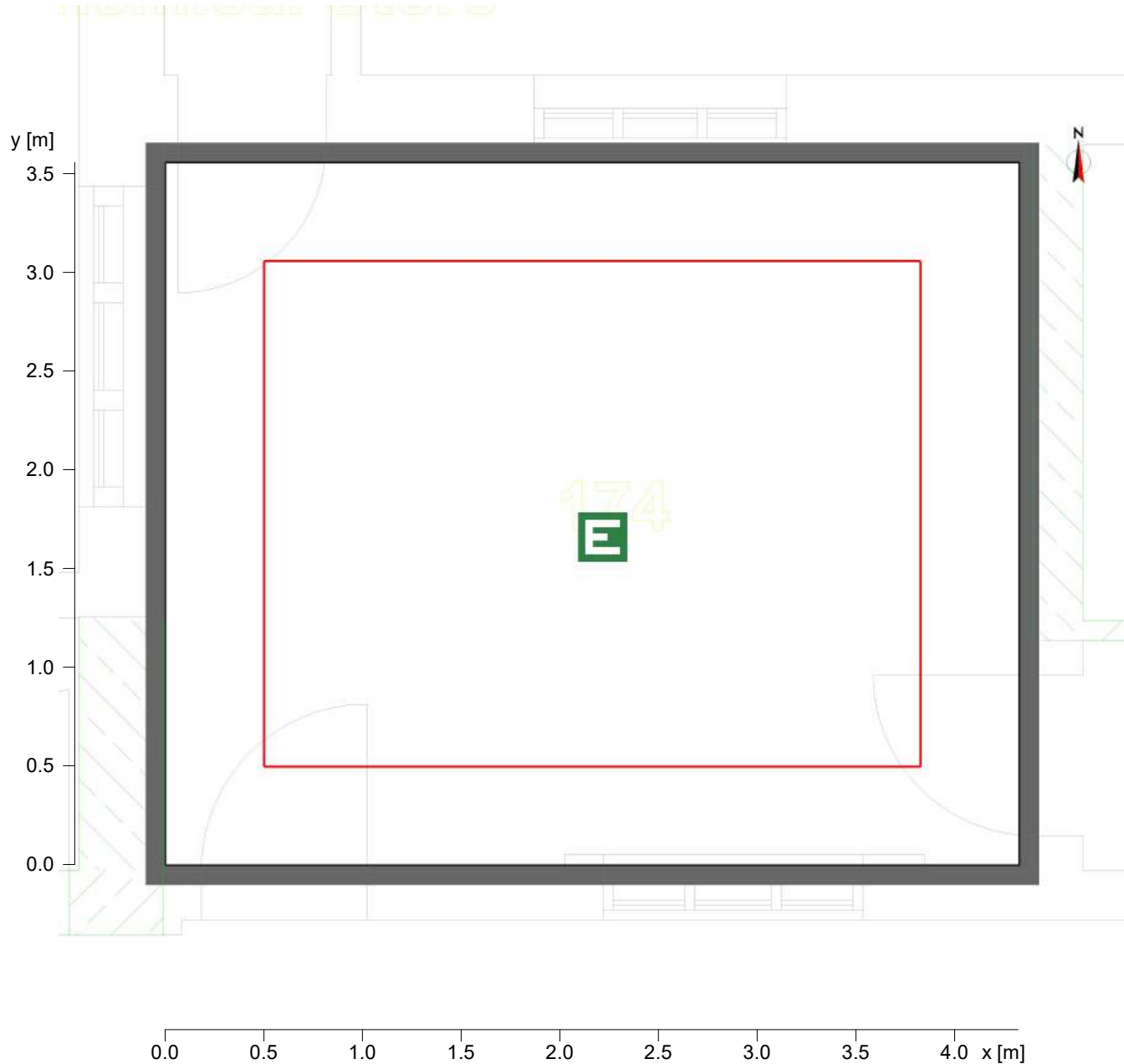
Type No. \Make

NVC Lighting			
1	1E x	Order No. : IE3C943083103/Setting 2	-- Emergency Lighting --
		Luminaire name : E3C943083103	
		Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)	
		Emergency : 209 lm	

5 Room 5

5.1 Description, Room 5

5.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	13.36 m	31.39 m	4.32 m	11.67	50.0 %
2	13.36 m	34.95 m	3.56 m	9.60	50.0 %
3	9.04 m	34.95 m	4.32 m	11.67	50.0 %
4	9.04 m	31.39 m	3.56 m	9.60	50.0 %
Floor:				15.4	20.0 %
Ceiling:				15.4	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume		41.5 m ³			

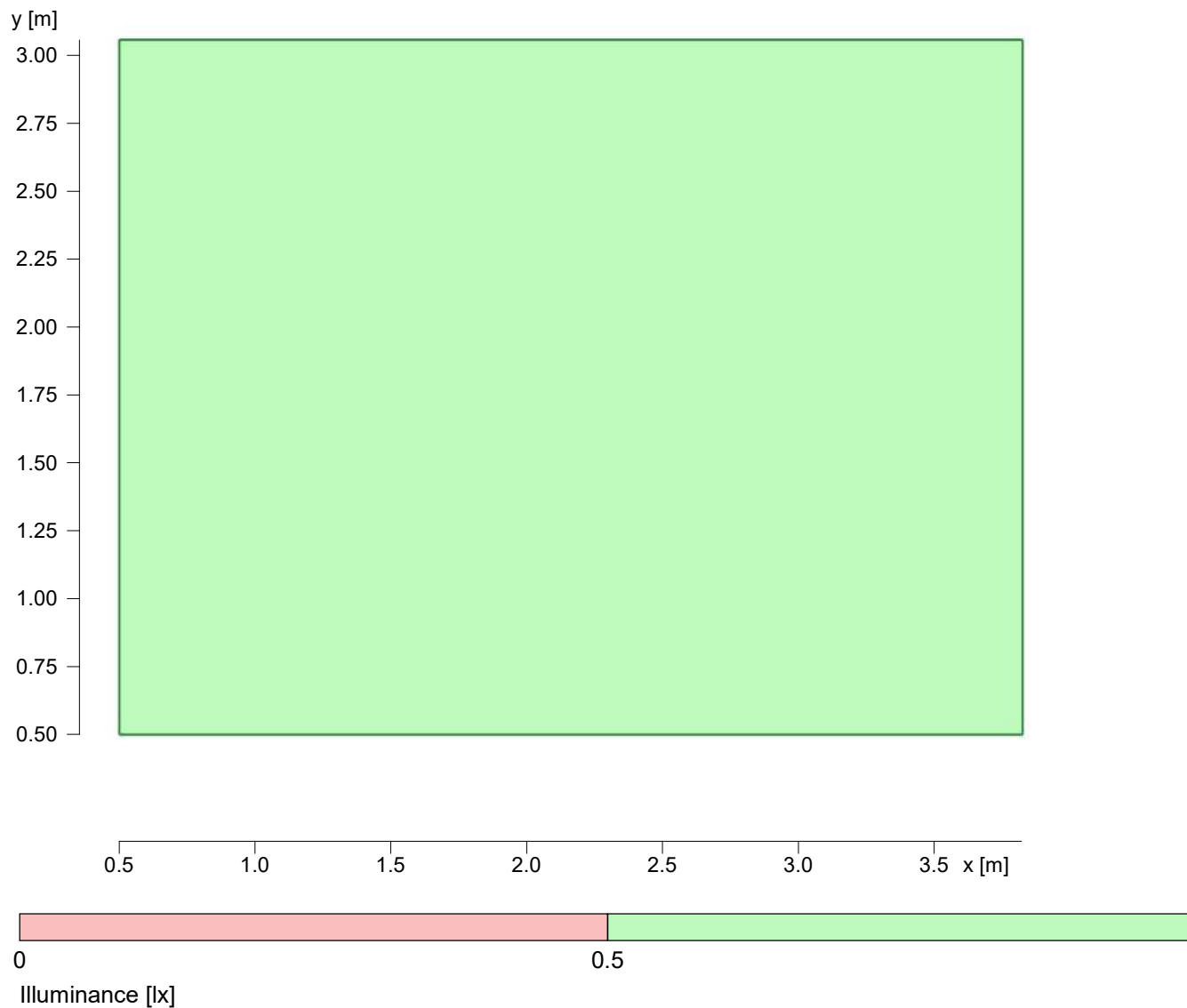
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
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5 Room 5

5.2 Calculation results, Room 5

5.2.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 1.9 lx

Maximum illuminance

Emax : 3.6 lx

Diversity

Emin/Emax : 1 : 1.94 (0.52) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

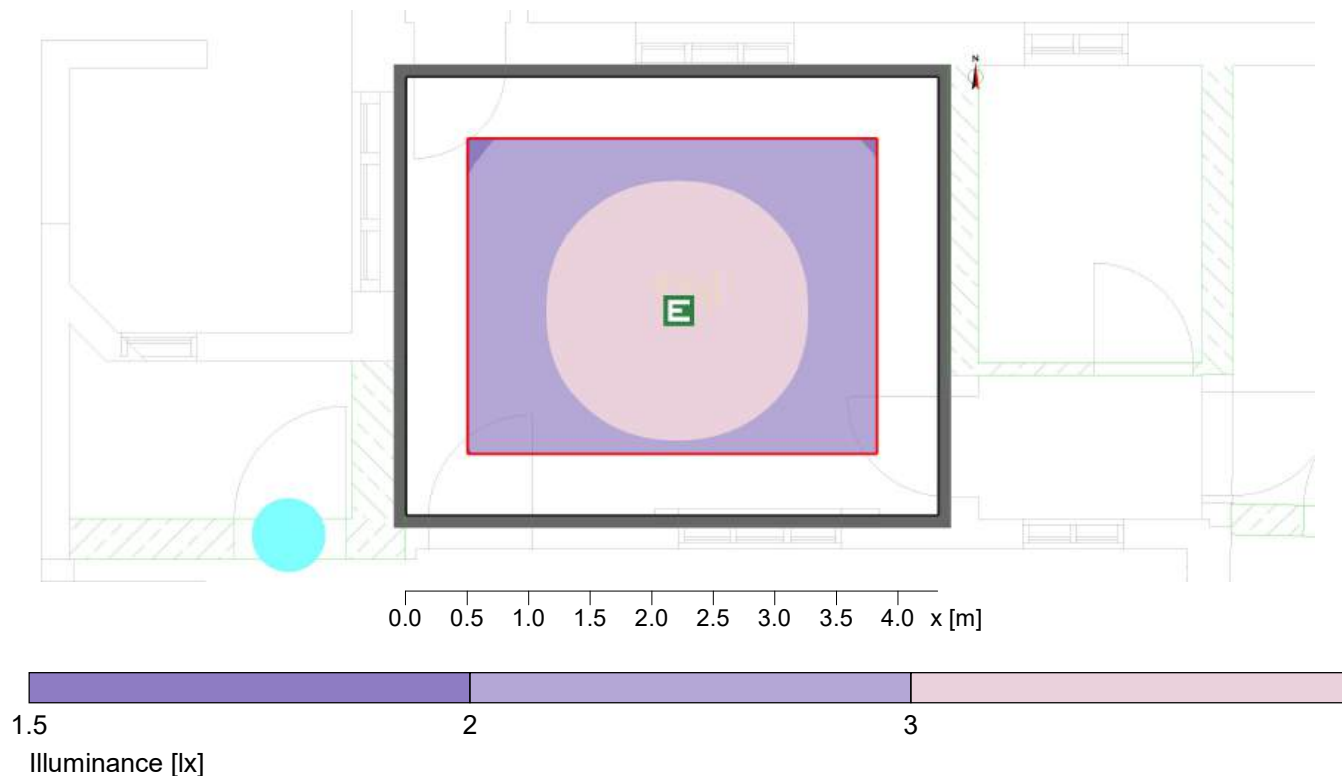
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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5.2 Summary, Room 5

5.2.2 Result overview (emergency lighting)

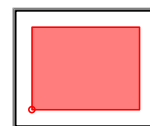


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1.1			
Calculation field: 3.32m x 2.56m (7 x 6 pts), Height = 0.00m			
1	1.86 lx	3.61 lx	1: 1.94
	>= 0.5 lx		>= 1 : 40



Type No. \Make

NVC Lighting	
1	1E x
	Order No. : IE3C943083103/Setting 2 -- Emergency Lighting --
	Luminaire name : E3C943083103
	Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)
	Emergency : 209 lm

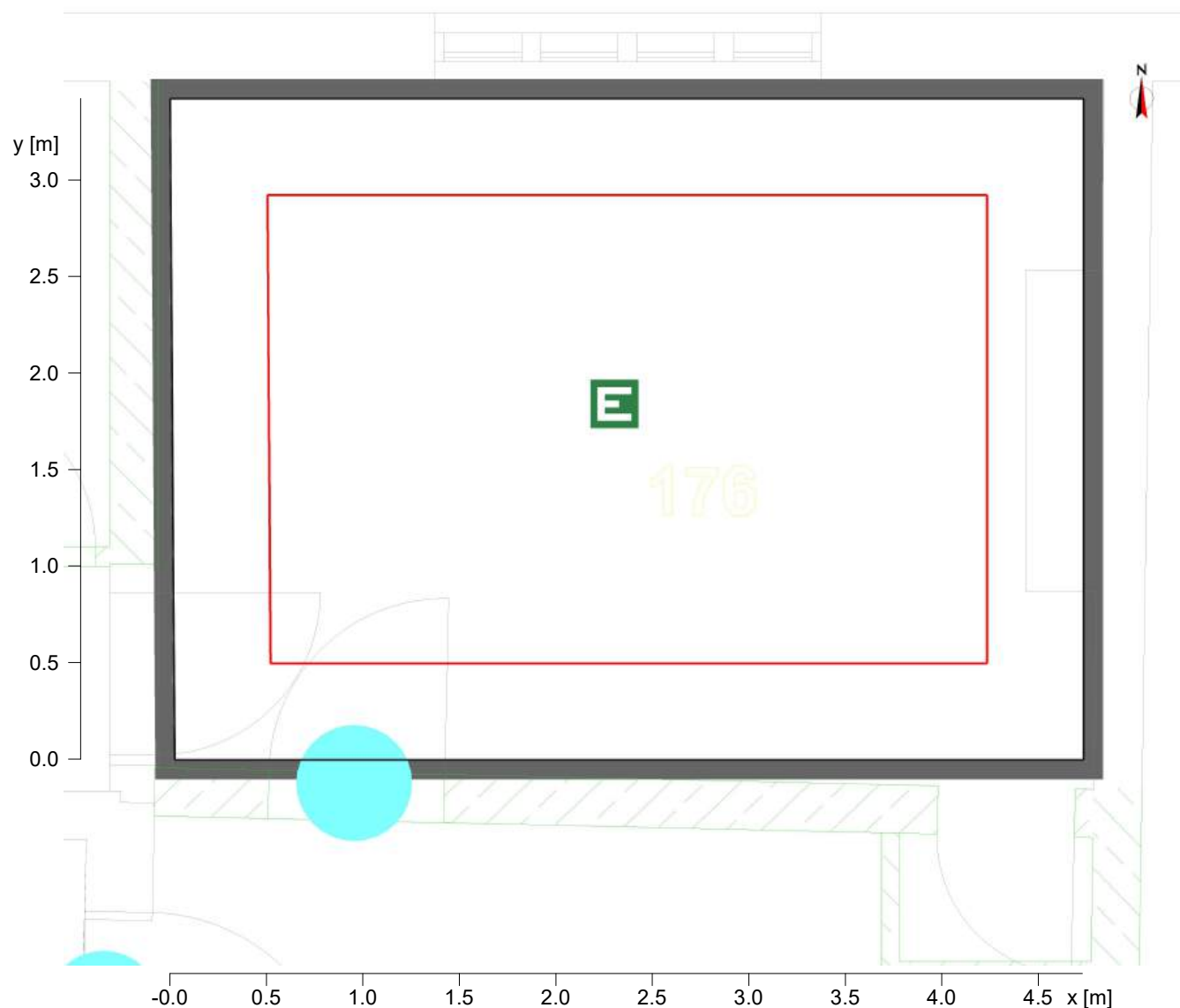
Object : DVD-6186-Westwood College Phase 2
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Project number :
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6 Room 6

6.1 Description, Room 6

6.1.1 Floor plan



Wall	x	y	Length	Area[m²]	Reflectance
1	20.54 m	31.53 m	4.70 m	12.70	50.0 %
2	20.54 m	34.95 m	3.42 m	9.24	50.0 %
3	15.81 m	34.95 m	4.73 m	12.77	50.0 %
4	15.84 m	31.53 m	3.42 m	9.24	50.0 %
Floor:				16.1	20.0 %
Ceiling:				16.1	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume				43.6 m³	

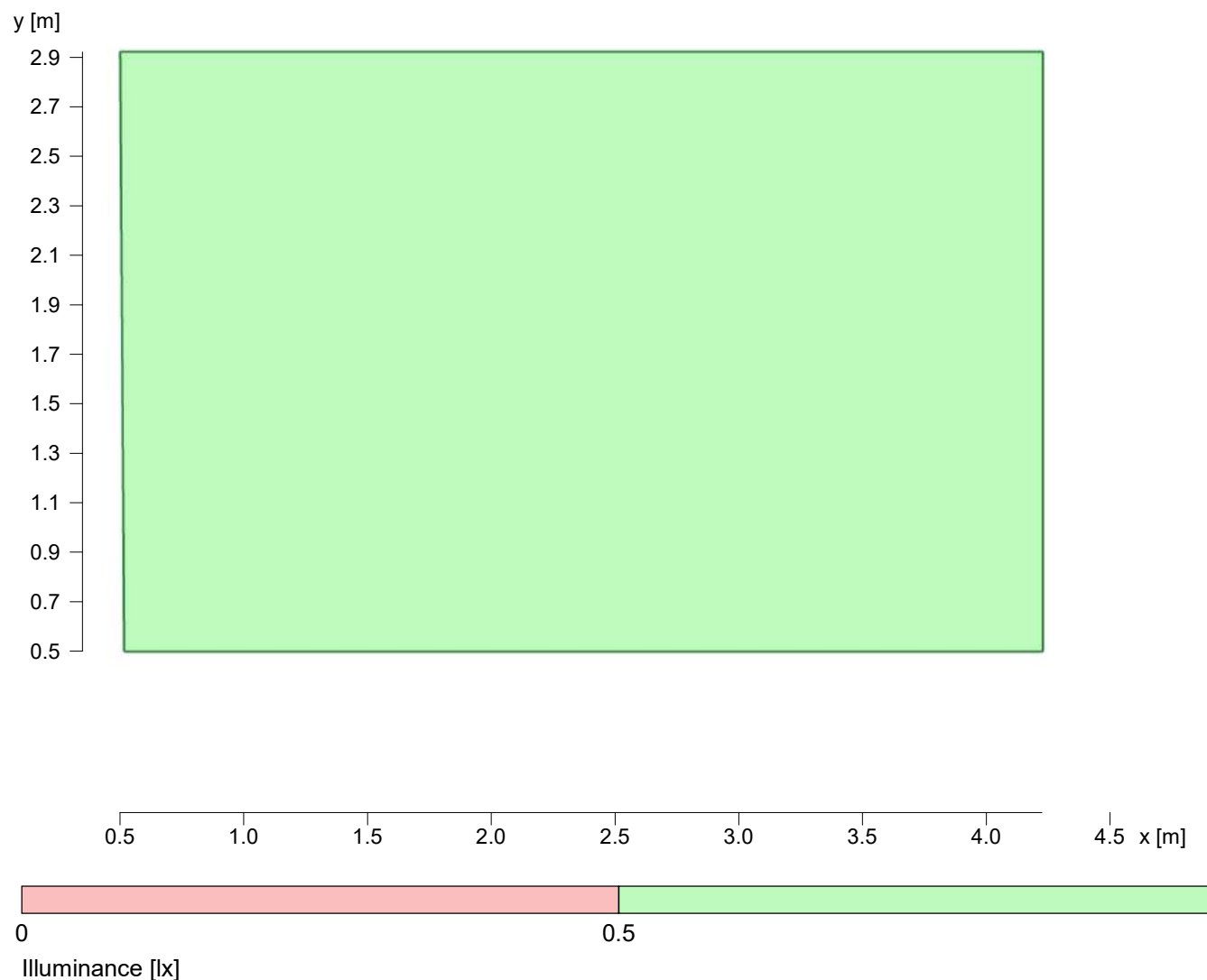
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025



6 Room 6

6.2 Calculation results, Room 6

6.2.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 1.7 lx

Maximum illuminance

Emax : 3.6 lx

Diversity

Emin/Emax : 1 : 2.08 (0.48) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

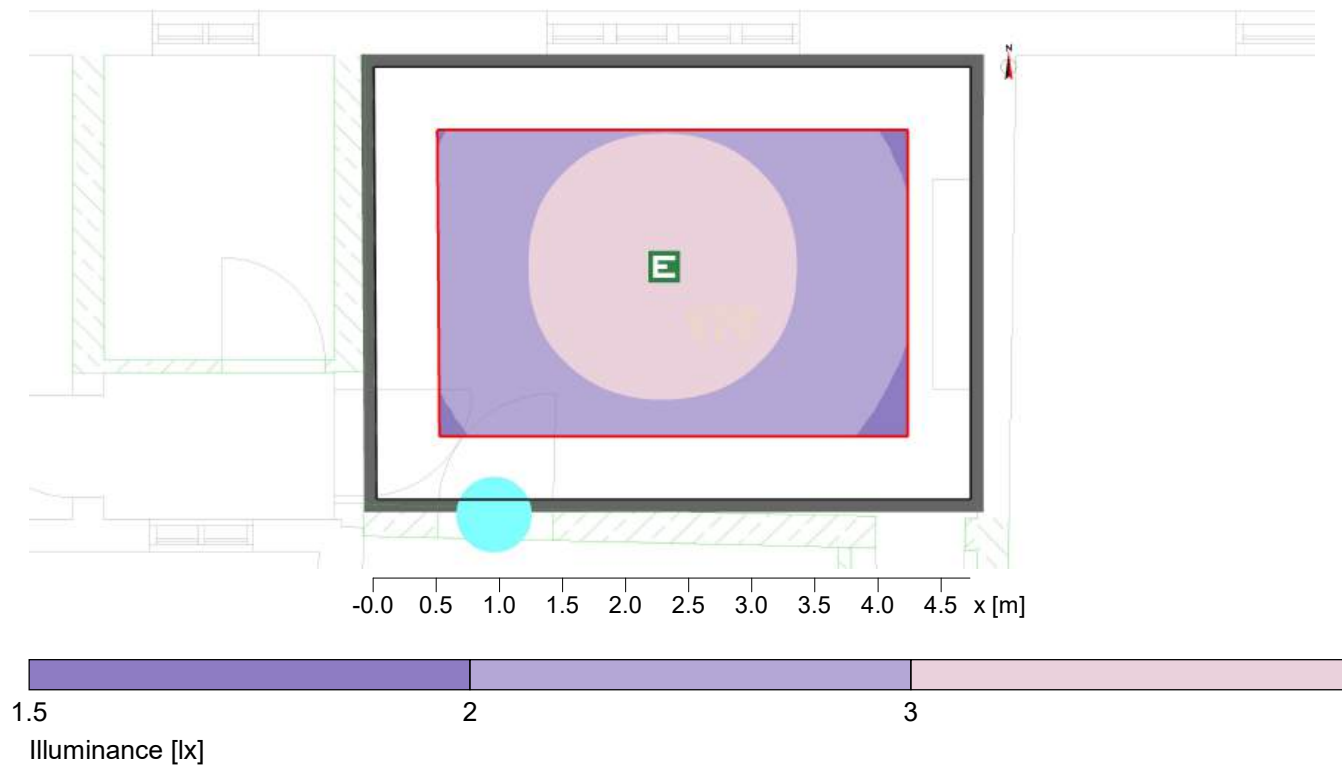
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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6.2 Summary, Room 6

6.2.2 Result overview (emergency lighting)

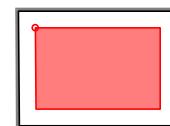


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1.1			
Calculation field: 3.72m x 2.42m (7 x 5 pts), Height = 0.00m			
1	1.73 lx	3.61 lx	1: 2.08
	>= 0.5 lx		>= 1 : 40



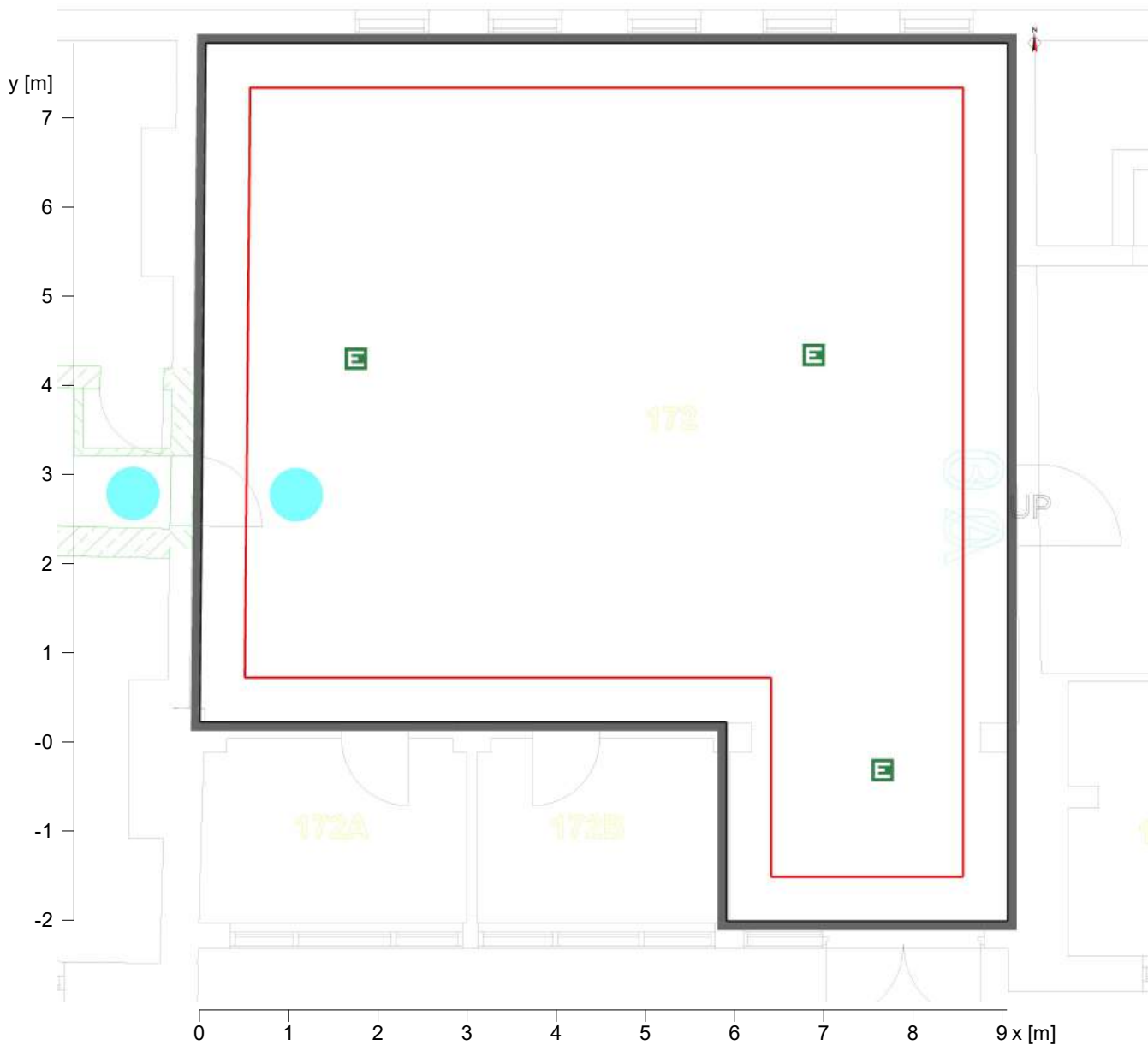
Type No. \Make

NVC Lighting	
1	1E x
	Order No. : IE3C943083103/Setting 2 -- Emergency Lighting -- Luminaire name : E3C943083103 Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%) Emergency : 209 lm

7 Room 7

7.1 Description, Room 7

7.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	26.80 m	27.41 m	5.90 m	15.92	50.0 %
2	26.80 m	25.18 m	2.23 m	6.02	50.0 %
3	29.95 m	25.18 m	3.15 m	8.51	50.0 %
4	29.95 m	35.02 m	9.84 m	26.56	50.0 %
5	20.97 m	35.02 m	8.98 m	24.25	50.0 %
6	20.90 m	27.41 m	7.61 m	20.55	50.0 %
Floor:				75.6	20.0 %
Ceiling:				75.6	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume		204.2 m ³			

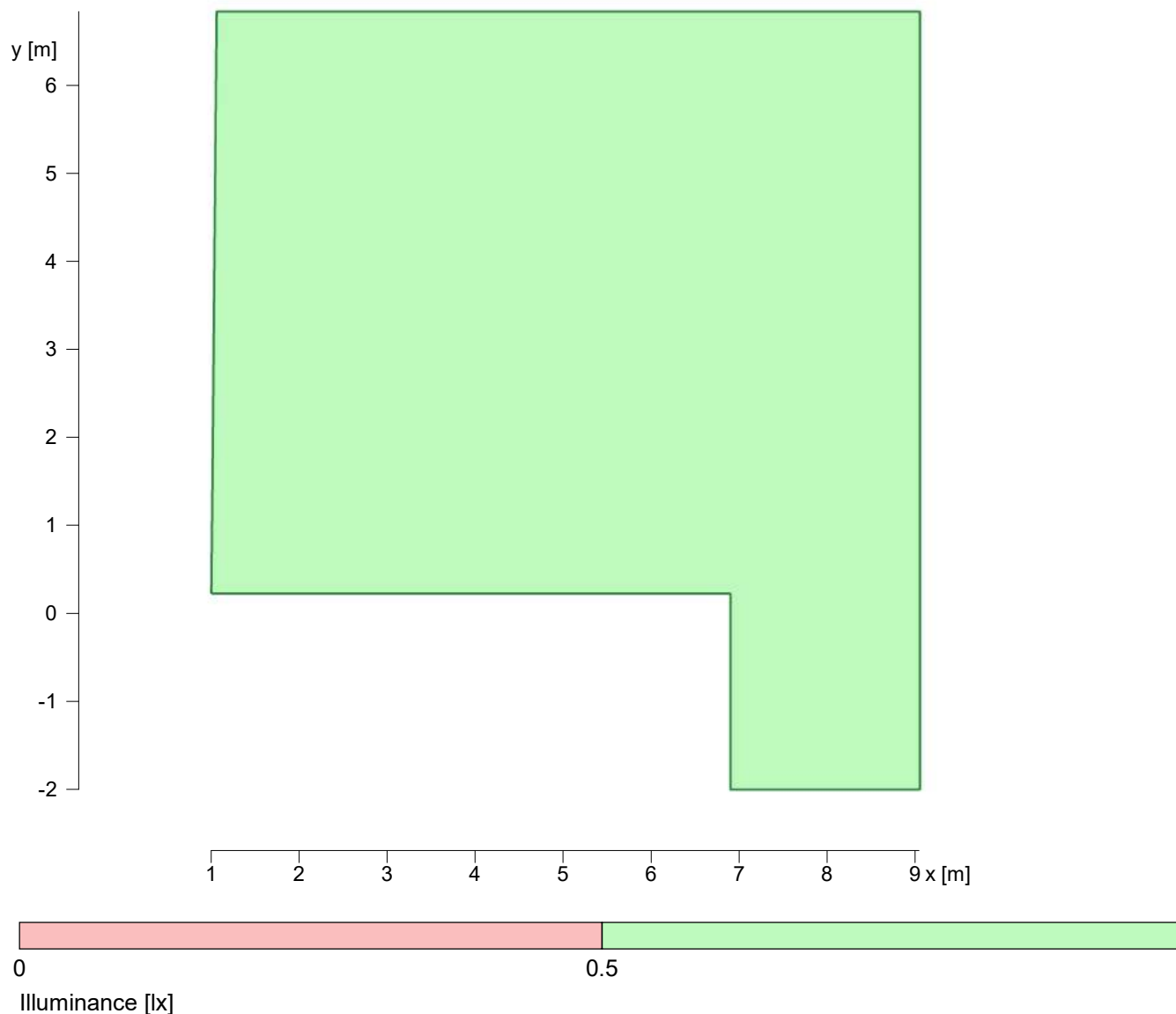
Object : DWD-6186-Westwood College Phase 2
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Date : 13.06.2025



7 Room 7

7.2 Calculation results, Room 7

7.2.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 1.1 lx

Maximum illuminance

Emax : 4.7 lx

Diversity

Emin/Emax : 1 : 4.43 (0.23) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

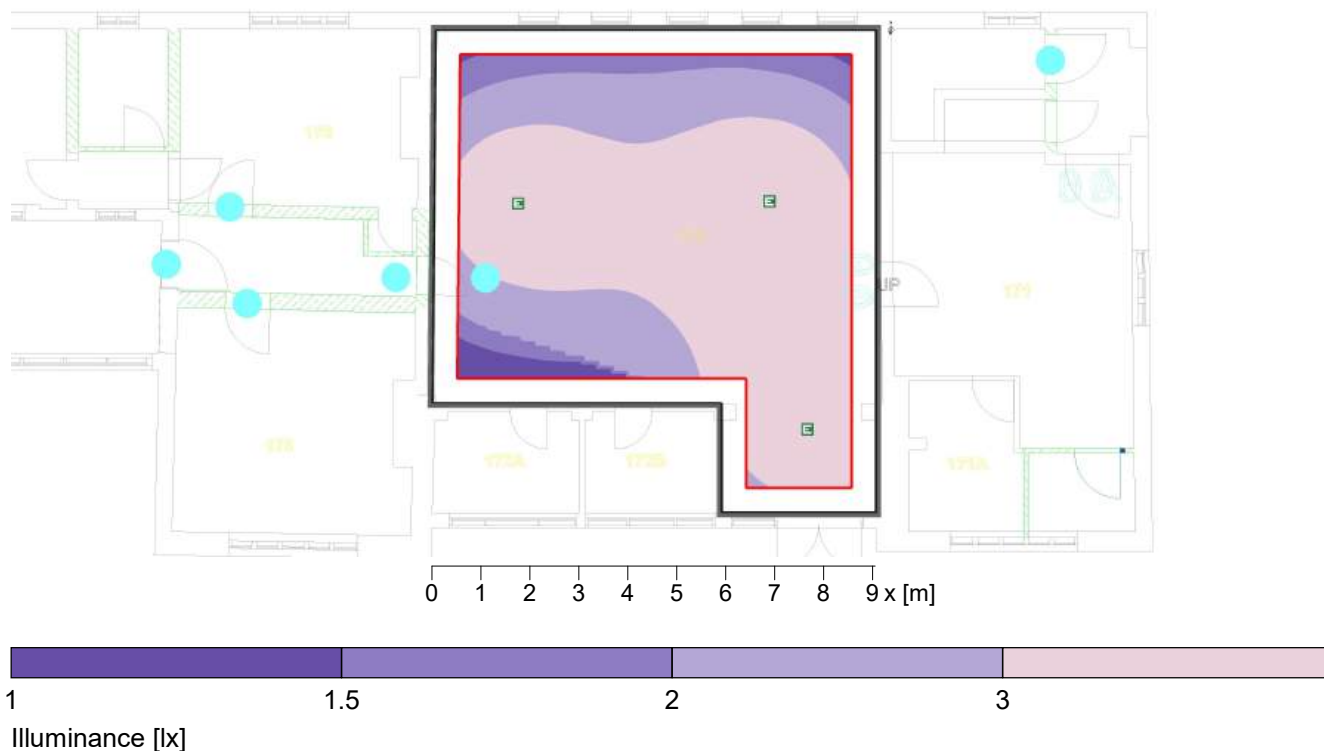
: 0.8

Object : DWD-6186-Westwood College Phase 2
 Installation : Proposed Lighting
 Project number :
 Date : 13.06.2025

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7.2 Summary, Room 7

7.2.2 Result overview (emergency lighting)

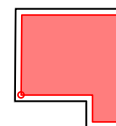


General

Calculation algorithm used : Direct component
 Maintenance factor : 0.8
 Height (phot. centre) : 2.70 m
 Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1.1			
Calculation field: 8.05m x 8.84m (9 x 10 pts), Height = 0.00m			
1	1.06 lx	4.70 lx	1: 4.43
	>= 0.5 lx		>= 1 : 40



Type No. \ Make

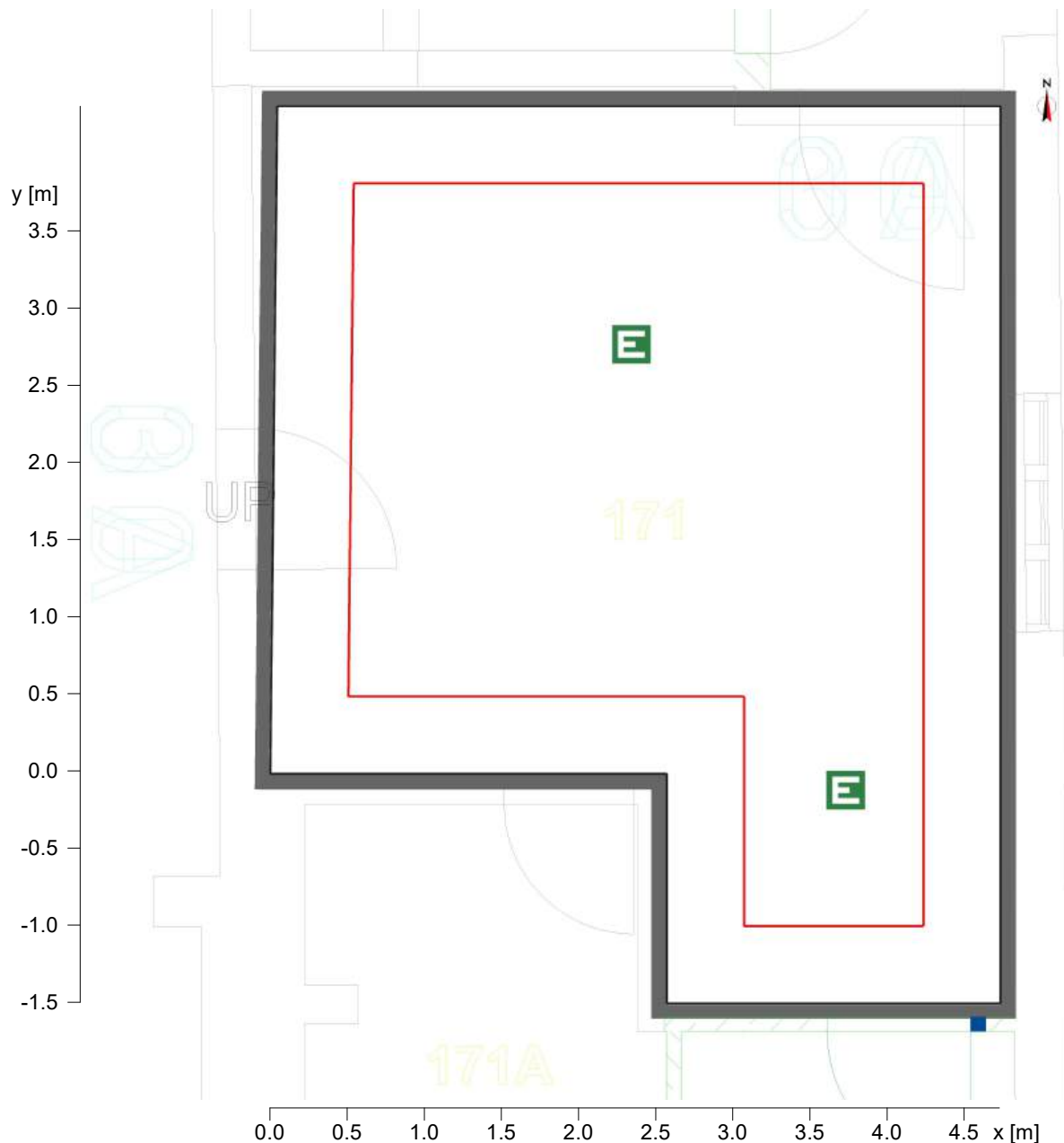
NVC Lighting	
1 3E x	Order No. : IE3C943083103/Setting 2 -- Emergency Lighting --
	Luminaire name : E3C943083103
	Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)
	Emergency : 209 lm



8 Room 8

8.1 Description, Room 8

8.1.1 Floor plan



Wall	x	y	Length	Area[m²]	Reflectance
1	32.97 m	28.06 m	2.57 m	6.93	50.0 %
2	32.97 m	26.57 m	1.49 m	4.01	50.0 %
3	35.13 m	26.57 m	2.16 m	5.83	50.0 %
4	35.13 m	32.38 m	5.81 m	15.68	50.0 %
5	30.45 m	32.38 m	4.68 m	12.64	50.0 %
6	30.40 m	28.06 m	4.32 m	11.67	50.0 %
Floor:				23.5	20.0 %
Ceiling:				23.5	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume		63.6 m³			

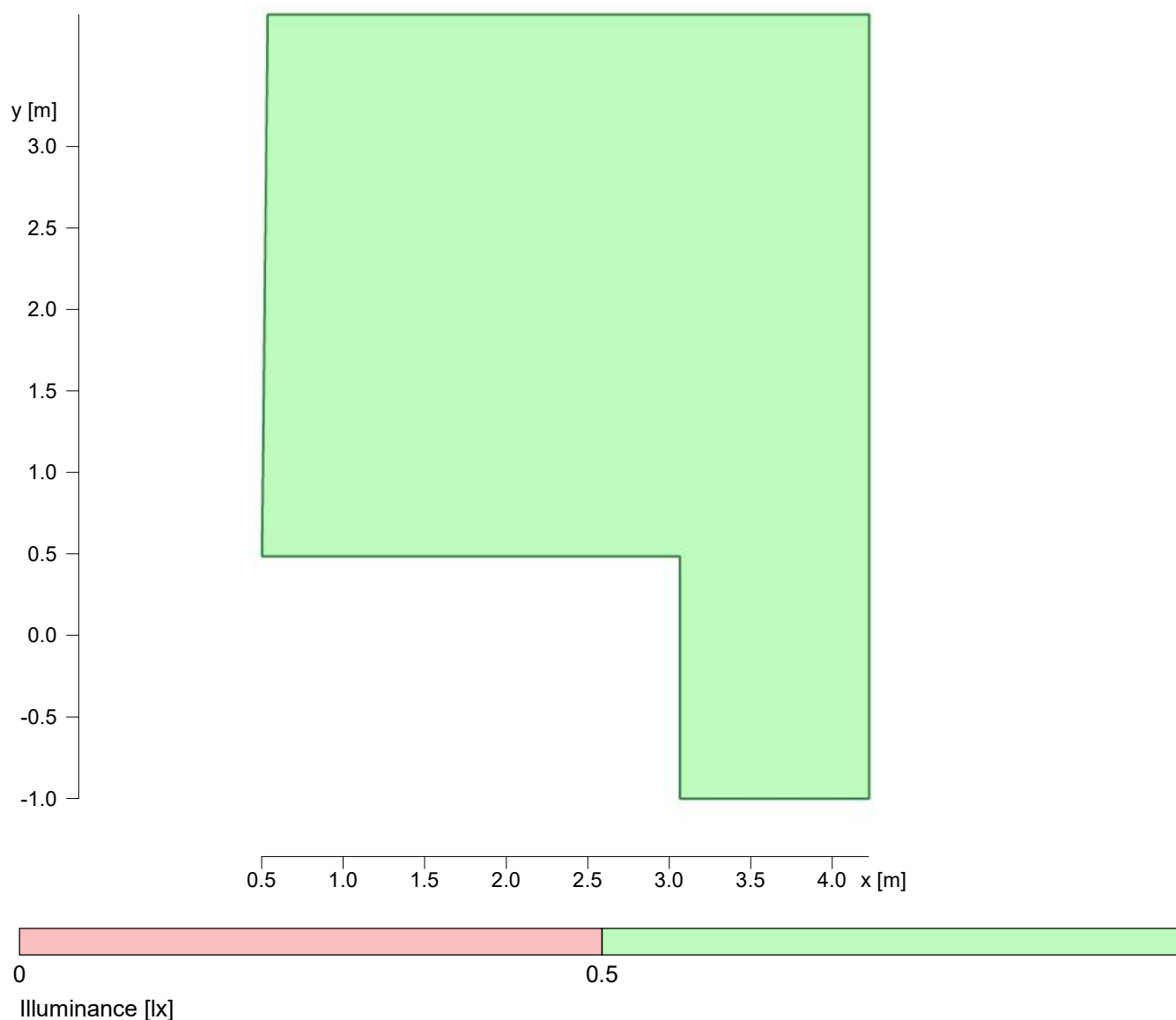
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025



8 Room 8

8.2 Calculation results, Room 8

8.2.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 2.5 lx

Maximum illuminance

Emax : 5 lx

Diversity

Emin/Emax : 1 : 2.03 (0.49) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

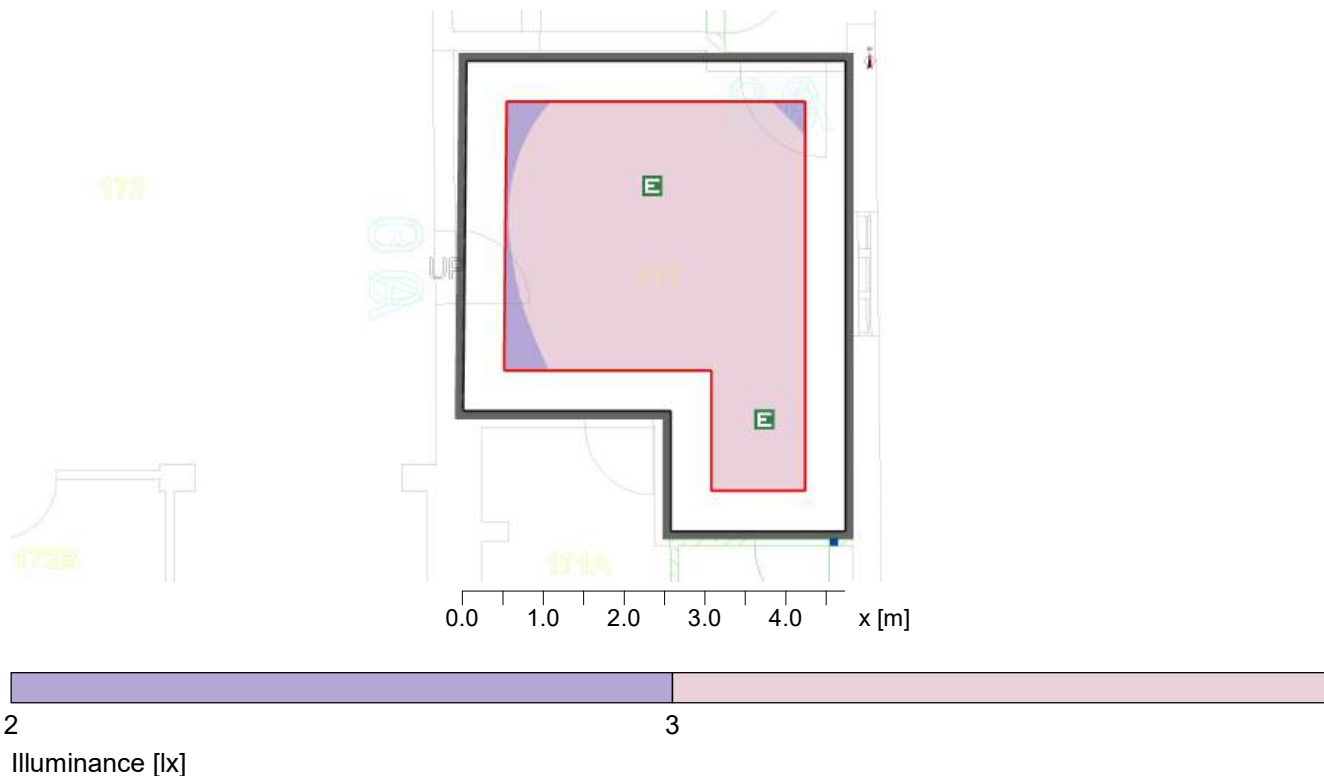
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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8.2 Summary, Room 8

8.2.2 Result overview (emergency lighting)

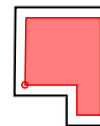


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1.1			
Calculation field: 3.72m x 4.81m (6 x 8 pts), Height = 0.00m			
1	2.45 lx >= 0.5 lx	4.97 lx	1: 2.03 >= 1 : 40



Type No. \Make

NVC Lighting			
1	2E x	Order No. : IE3C943083103/Setting 2	-- Emergency Lighting --
		Luminaire name : E3C943083103	
		Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)	
		Emergency : 209 lm	



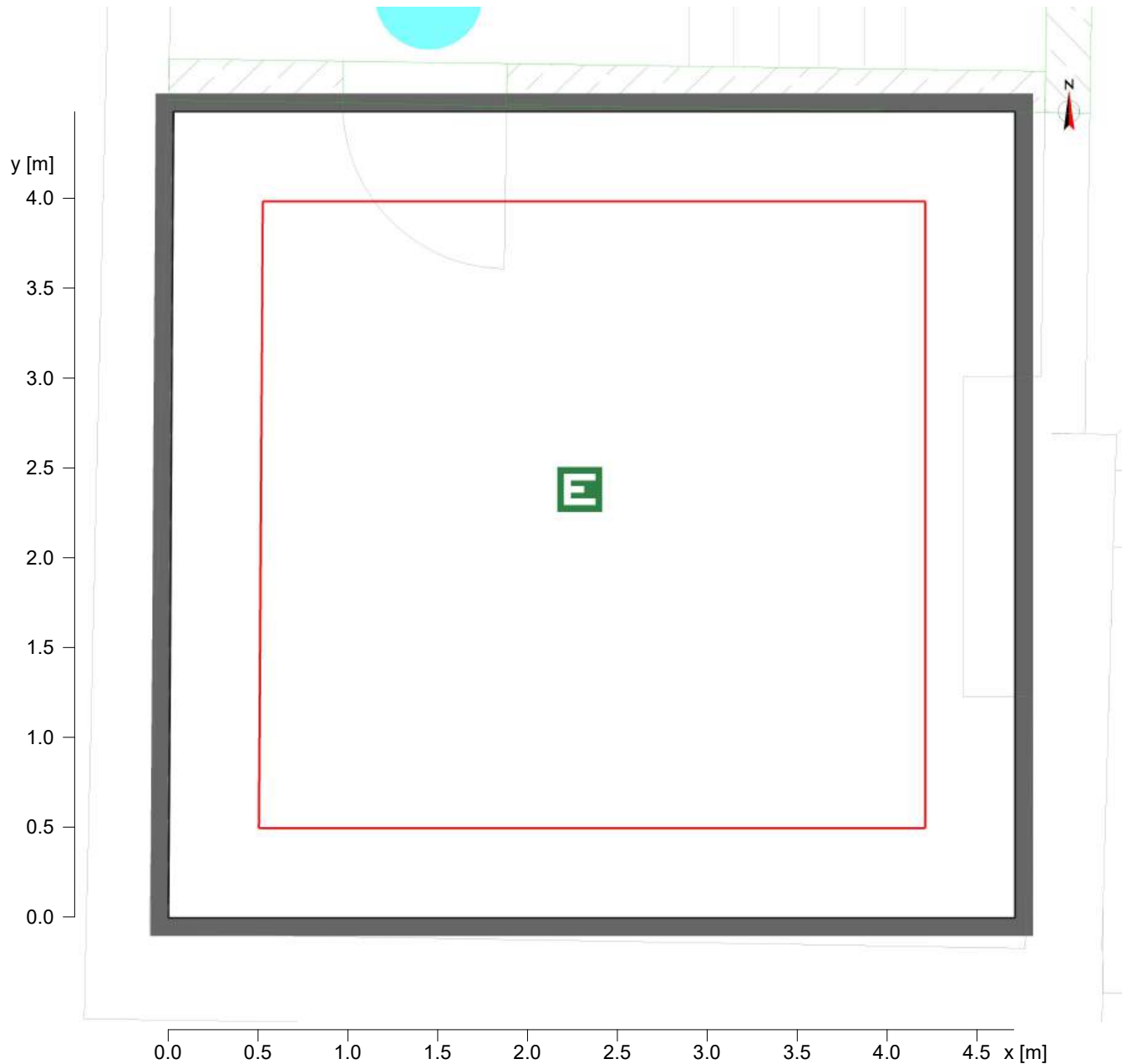
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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9 Room 9

9.1 Description, Room 9

9.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	37.35 m	10.24 m	4.71 m	12.71	50.0 %
2	37.35 m	14.72 m	4.48 m	12.10	50.0 %
3	32.67 m	14.72 m	4.68 m	12.63	50.0 %
4	32.64 m	10.24 m	4.48 m	12.10	50.0 %
Floor:				21.0	20.0 %
Ceiling:				21.0	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume		56.8 m ³			

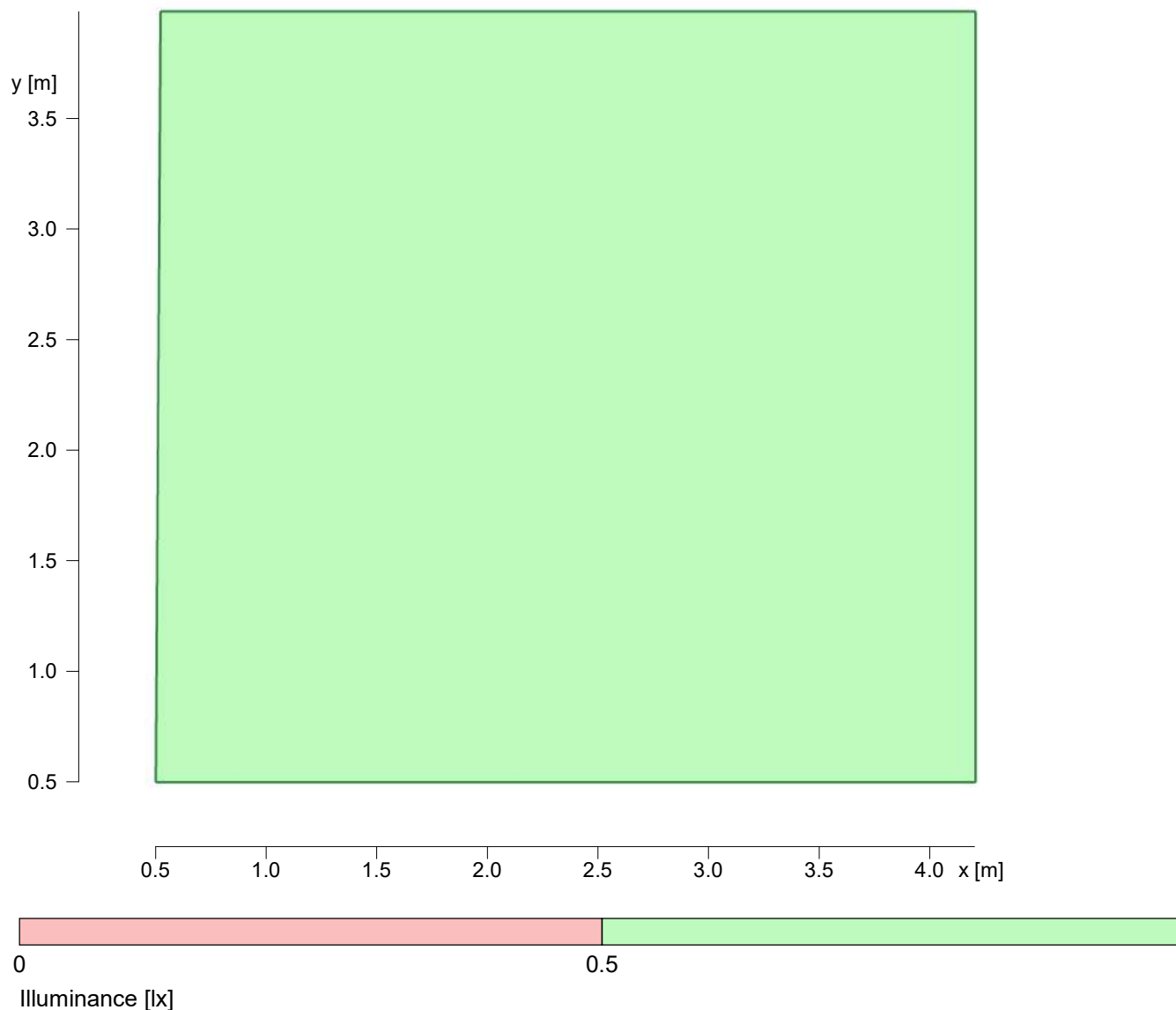
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025



9 Room 9

9.2 Calculation results, Room 9

9.2.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 1.5 lx

Maximum illuminance

Emax : 3.6 lx

Diversity

Emin/Emax : 1 : 2.45 (0.41) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

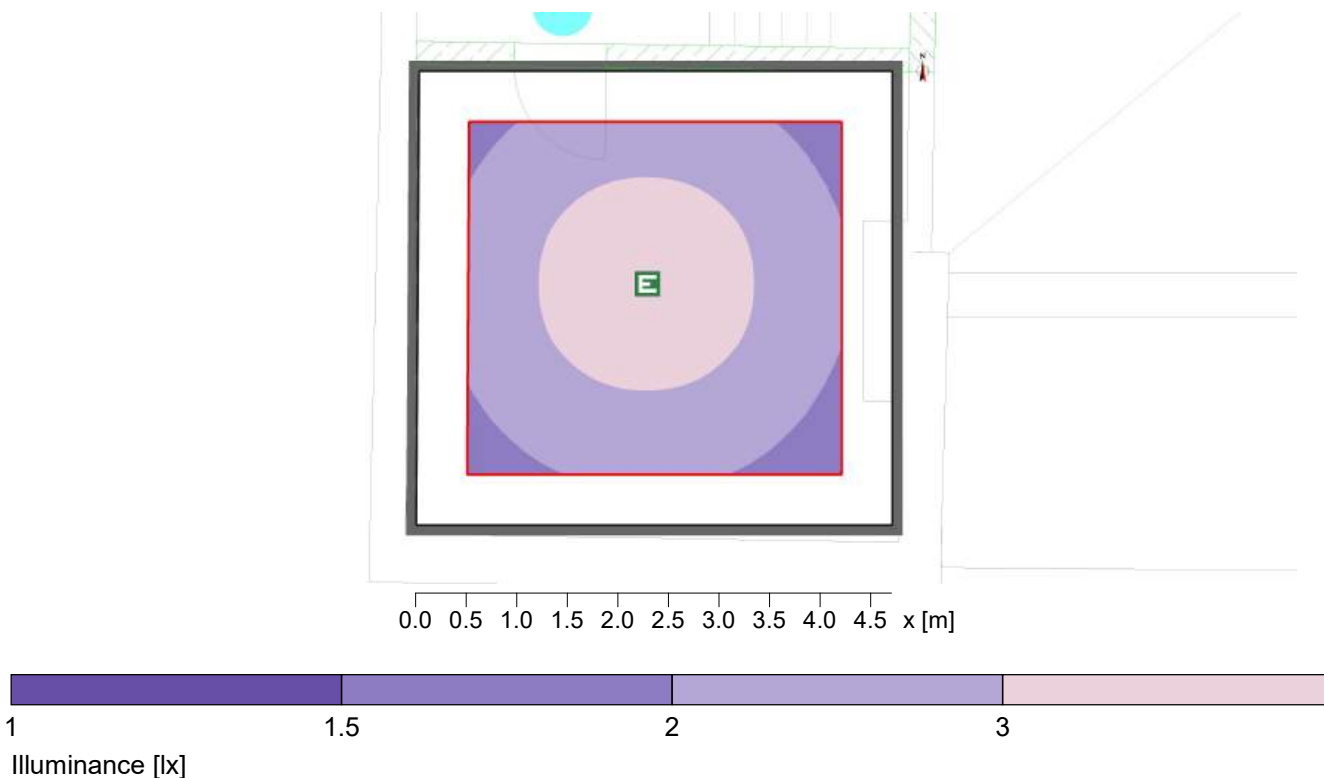
: 0.8

Object : DWD-6186-Westwood College Phase 2
 Installation : Proposed Lighting
 Project number :
 Date : 13.06.2025

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9.2 Summary, Room 9

9.2.2 Result overview (emergency lighting)

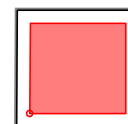


General

Calculation algorithm used : Direct component
 Maintenance factor : 0.8
 Height (phot. centre) : 2.70 m
 Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1.1			
Calculation field: 3.7m x 3.48m (7 x 7 pts), Height = 0.00m			
1	1.48 lx	3.61 lx	1: 2.45
	>= 0.5 lx		>= 1 : 40



Type No.\Make

NVC Lighting			
1	1E x	Order No. : IE3C943083103/Setting 2	-- Emergency Lighting --
		Luminaire name : E3C943083103	
		Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)	
		Emergency : 209 lm	



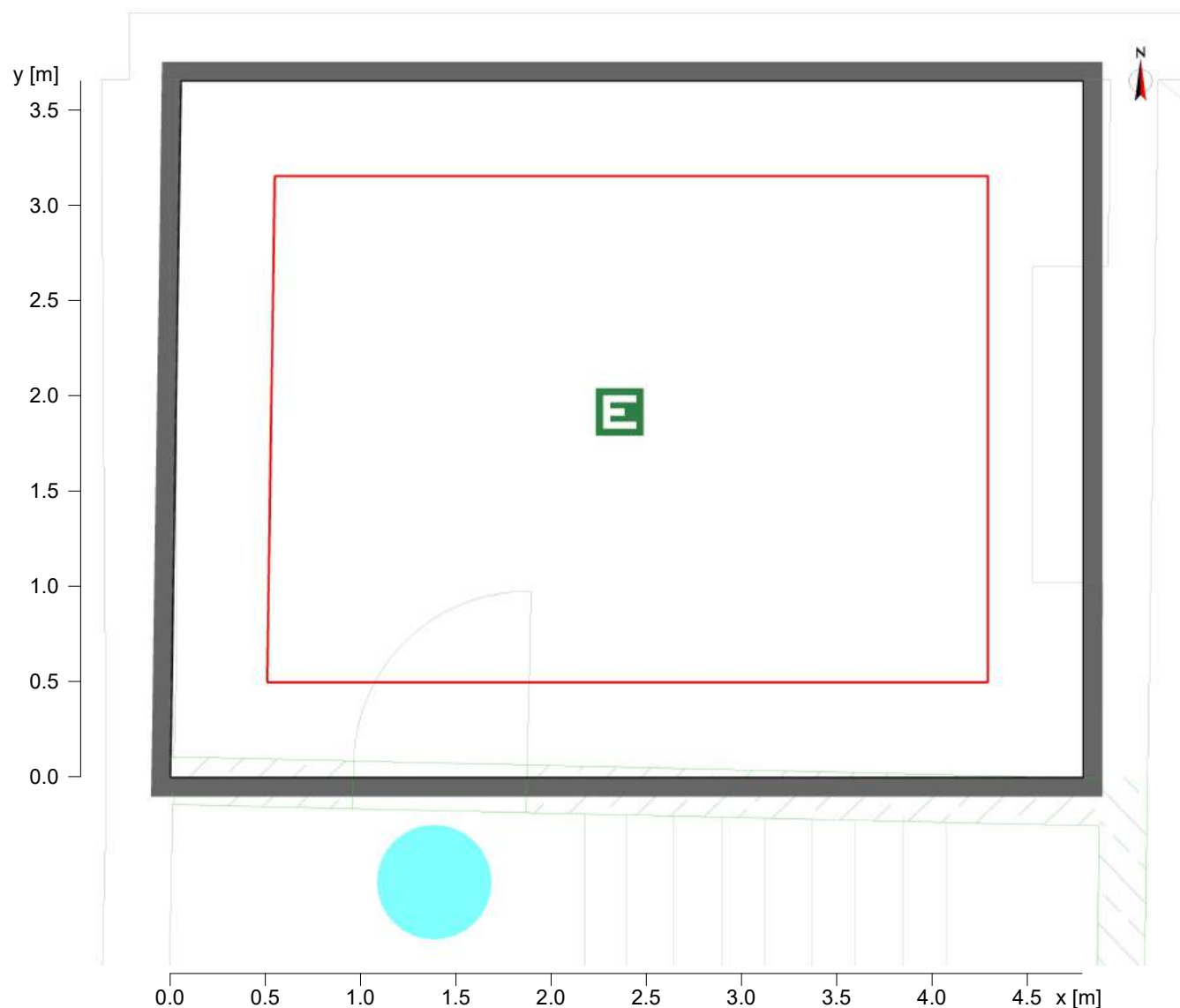
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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10 Room 10

10.1 Description, Room 10

10.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	37.46 m	16.74 m	4.79 m	12.93	50.0 %
2	37.46 m	20.39 m	3.65 m	9.86	50.0 %
3	32.73 m	20.39 m	4.73 m	12.78	50.0 %
4	32.67 m	16.74 m	3.65 m	9.86	50.0 %
Floor:				17.4	20.0 %
Ceiling:				17.4	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume		47.0 m ³			

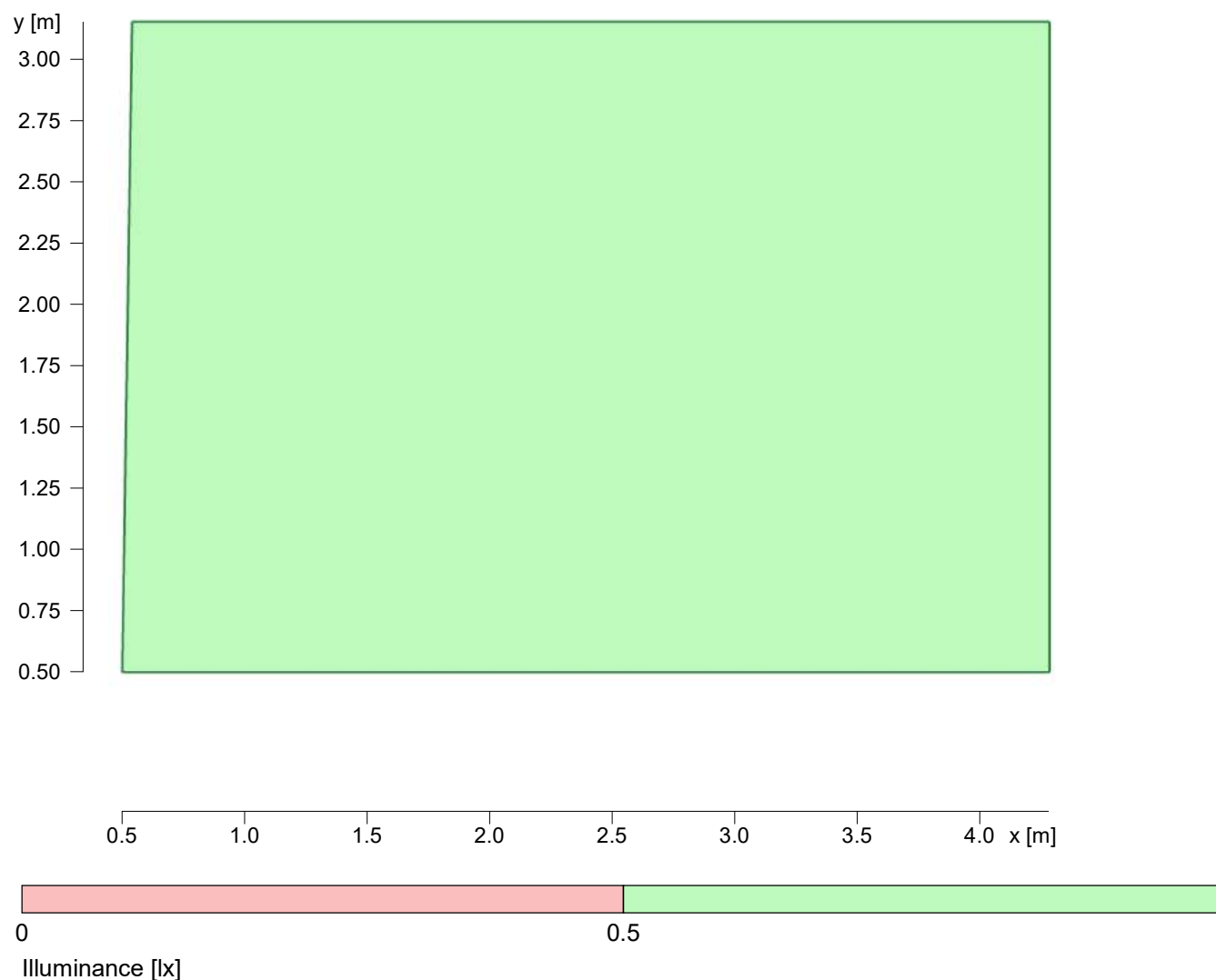
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025



10 Room 10

10.2 Calculation results, Room 10

10.2.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 1.7 lx

Maximum illuminance

Emax : 3.6 lx

Diversity

Emin/Emax : 1 : 2.13 (0.47) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

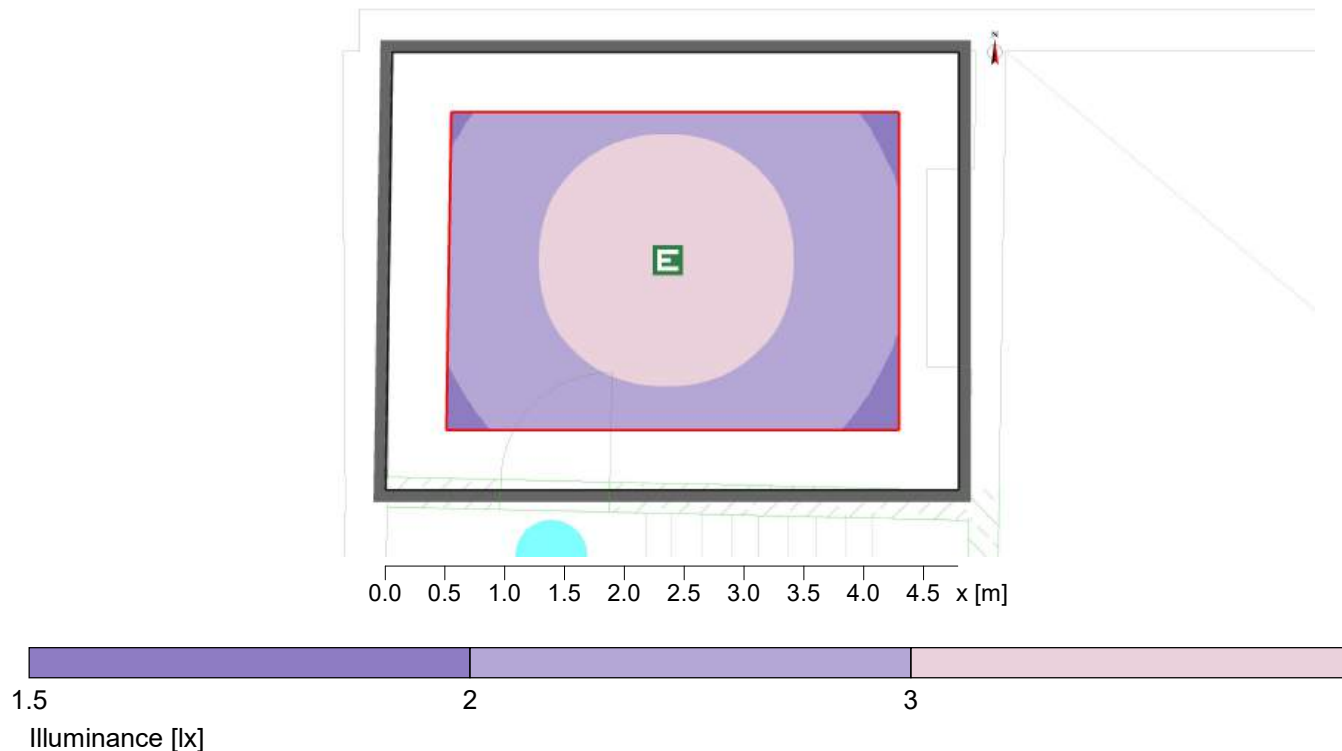
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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10.2 Summary, Room 10

10.2.2 Result overview (emergency lighting)

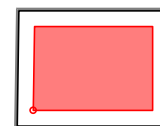


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Surface		Ud
	Emin [lx]	Emax [lx]	
Anti panic area 1.1			
Calculation field: 3.78m x 2.65m (7 x 5 pts), Height = 0.00m			
1	1.70 lx	3.61 lx	1: 2.13
	>= 0.5 lx		>= 1 : 40



Type No. Make

NVC Lighting			
1	1E x	Order No. : IE3C943083103/Setting 2	-- Emergency Lighting --
		Luminaire name : E3C943083103	
		Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)	
		Emergency : 209 lm	

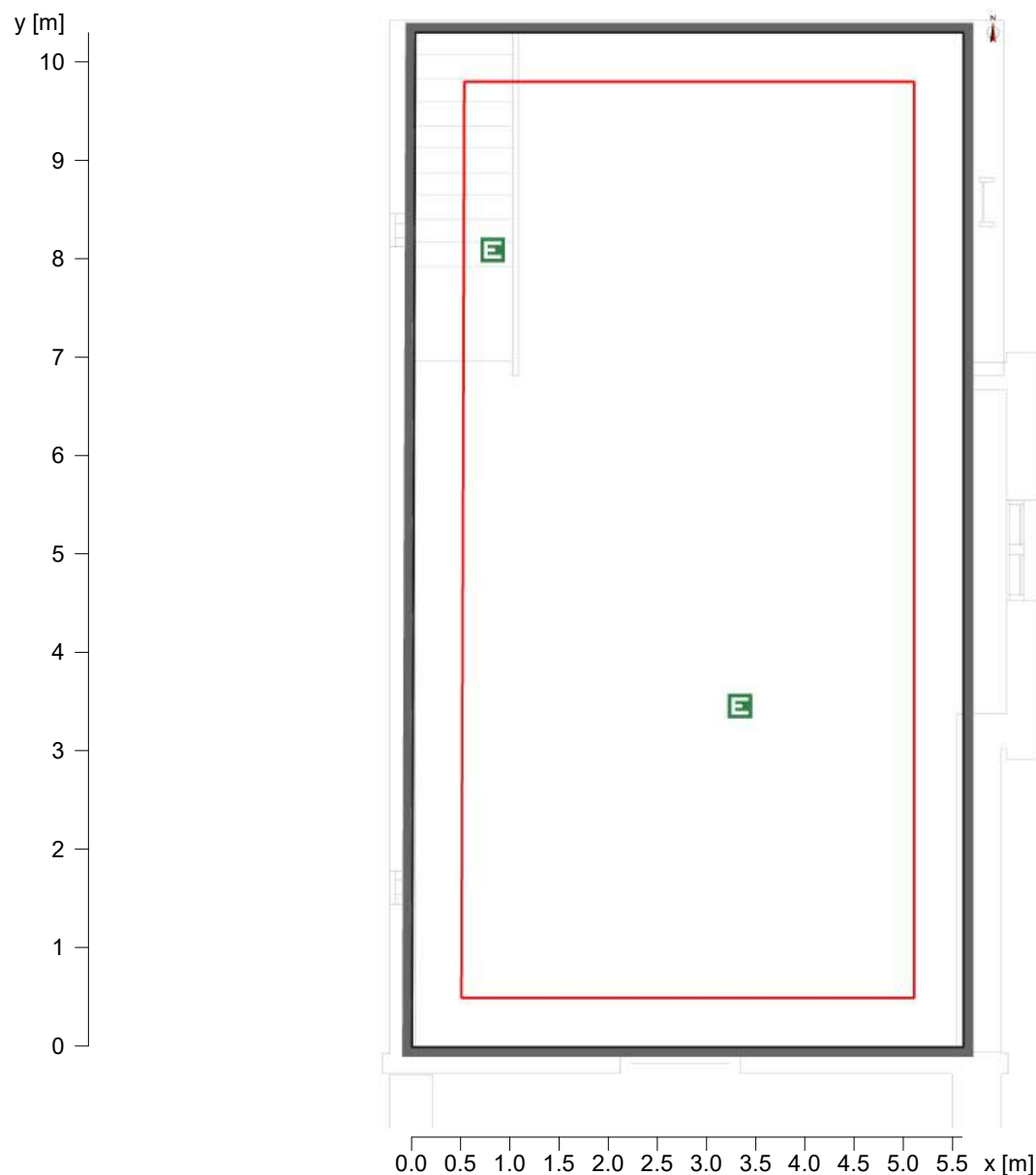
Object : DWD-6186-Westwood College Phase 2
 Installation : Proposed Lighting
 Project number :
 Date : 13.06.2025

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11 Room 11

11.1 Description, Room 11

11.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	22.89 m	4.67 m	5.60 m	15.12	50.0 %
2	22.89 m	14.96 m	10.30 m	27.80	50.0 %
3	17.33 m	14.96 m	5.57 m	15.03	50.0 %
4	17.29 m	4.67 m	10.30 m	27.80	50.0 %
Floor:				57.5	20.0 %
Ceiling:				57.5	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume				155.2 m ³	

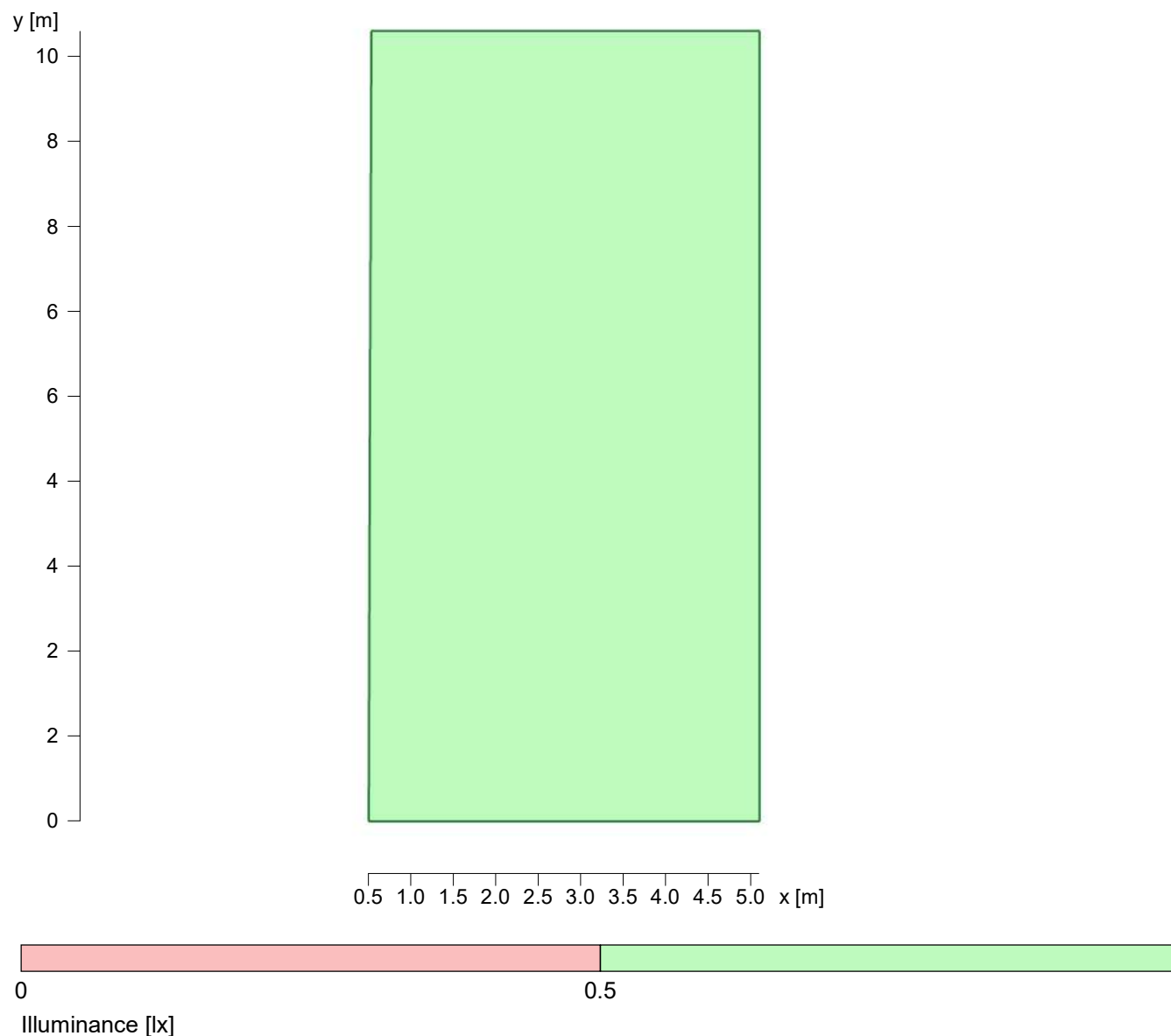
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025



11 Room 11

11.2 Calculation results, Room 11

11.2.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 0.84 lx

Maximum illuminance

Emax : 4.1 lx

Diversity

Emin/Emax : 1 : 4.87 (0.20) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

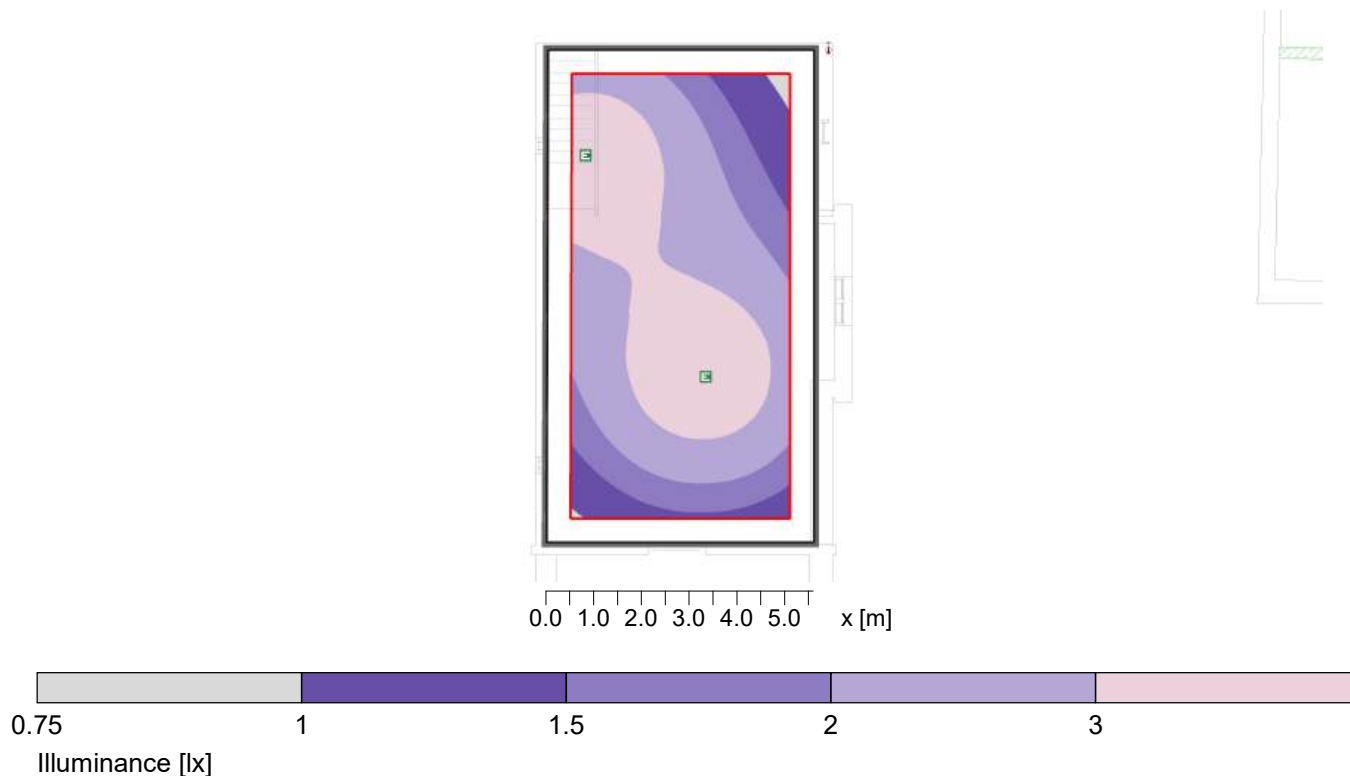
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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11.2 Summary, Room 11

11.2.2 Result overview (emergency lighting)

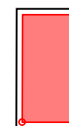


General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Surface		Ud
	Emin [lx]	Emax [lx]	
Anti panic area 1.1			
Calculation field: 4.6m x 9.3m (8 x 16 pts), Height = 0.00m			
1	0.84 lx	4.08 lx	1: 4.87
	>= 0.5 lx		>= 1 : 40



Type No. \Make

NVC Lighting			
1	2E x	Order No. : IE3C943083103/Setting 2	-- Emergency Lighting --
		Luminaire name : E3C943083103	
		Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)	
		Emergency : 209 lm	



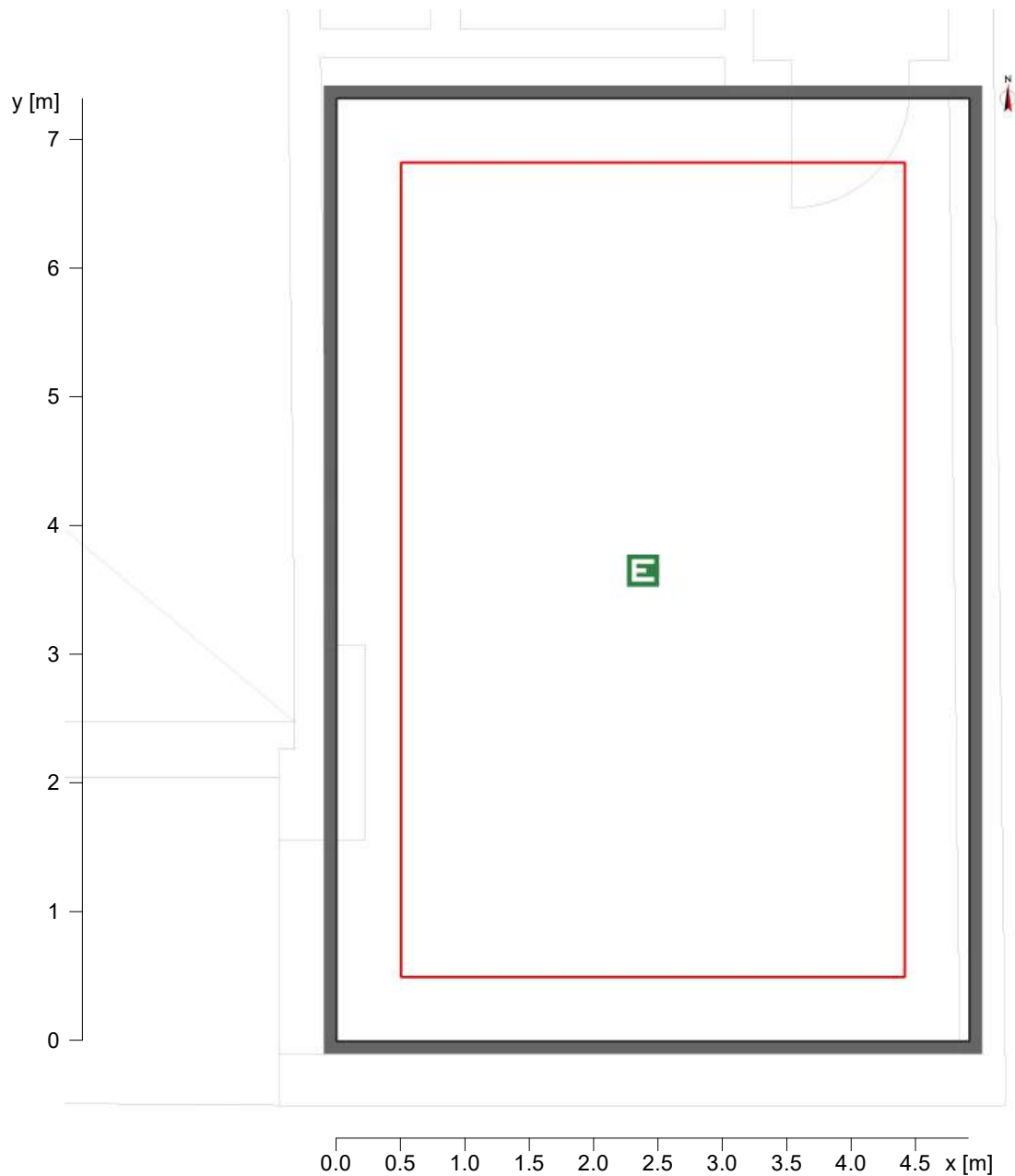
Object : DWD-6186-Westwood College Phase 2
 Installation : Proposed Lighting
 Project number :
 Date : 13.06.2025

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12 Room 12

12.1 Description, Room 12

12.1.1 Floor plan



Wall	x	y	Length	Area[m ²]	Reflectance
1	52.26 m	10.24 m	4.91 m	13.26	50.0 %
2	52.26 m	17.56 m	7.32 m	19.76	50.0 %
3	47.35 m	17.56 m	4.91 m	13.26	50.0 %
4	47.35 m	10.24 m	7.32 m	19.76	50.0 %
Floor:				35.9	20.0 %
Ceiling:				35.9	70.0 %
Room height [m]:		2.70 m			
Height of ref. plane [m]:		0.75 m			
Volume		97.0 m ³			

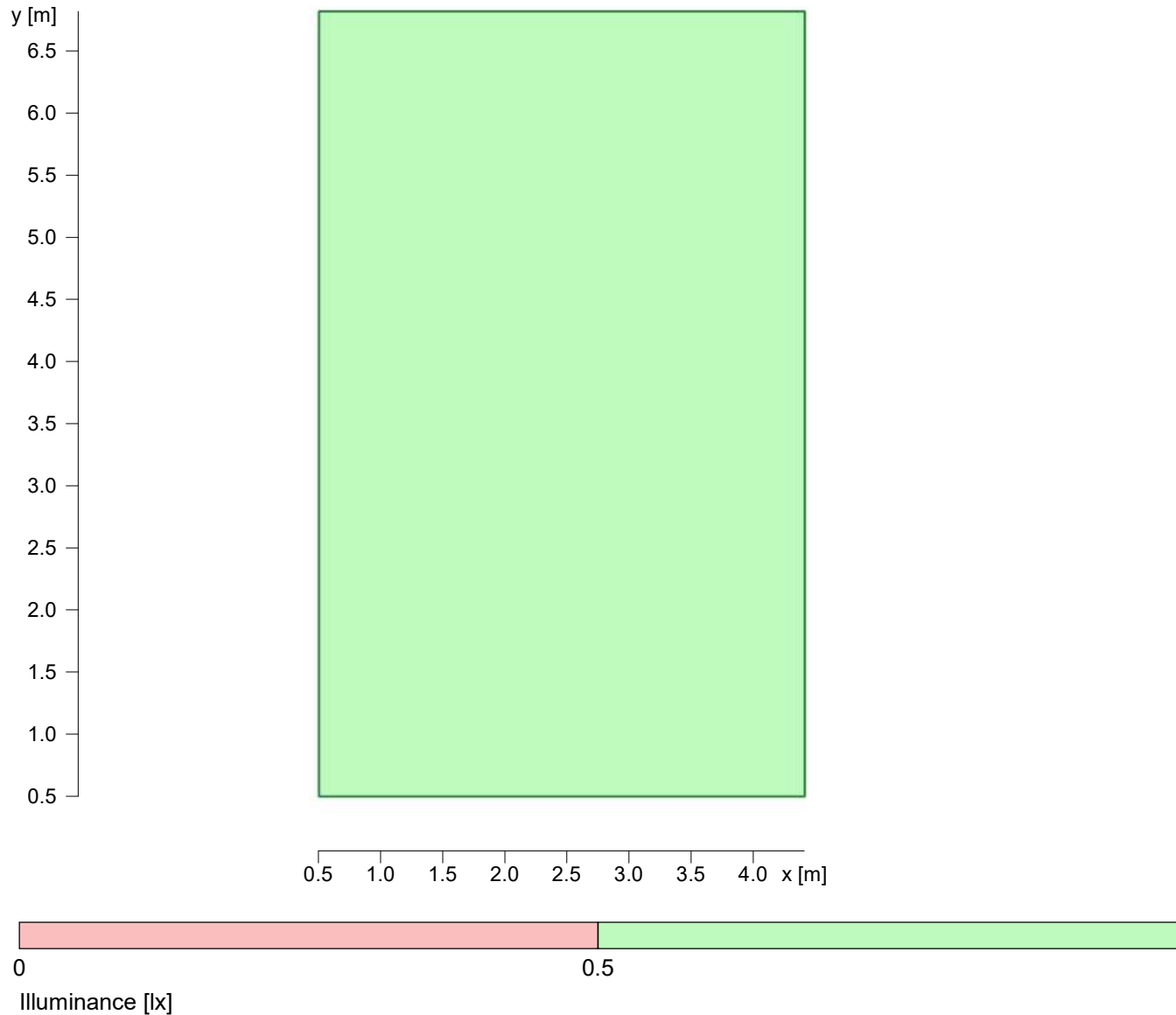
Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025



12 Room 12

12.2 Calculation results, Room 12

12.2.1 Boundary line, Anti panic area 1.1 (E)



Required minimum illuminance

: 0.5 lx

Minimum illuminance

Emin : 0.89 lx

Maximum illuminance

Emax : 3.6 lx

Diversity

Emin/Emax : 1 : 4.07 (0.25) (Threshold value 1:40)

Height

: 0 m

Calculation algorithm used

: Direct component

Maintenance factor

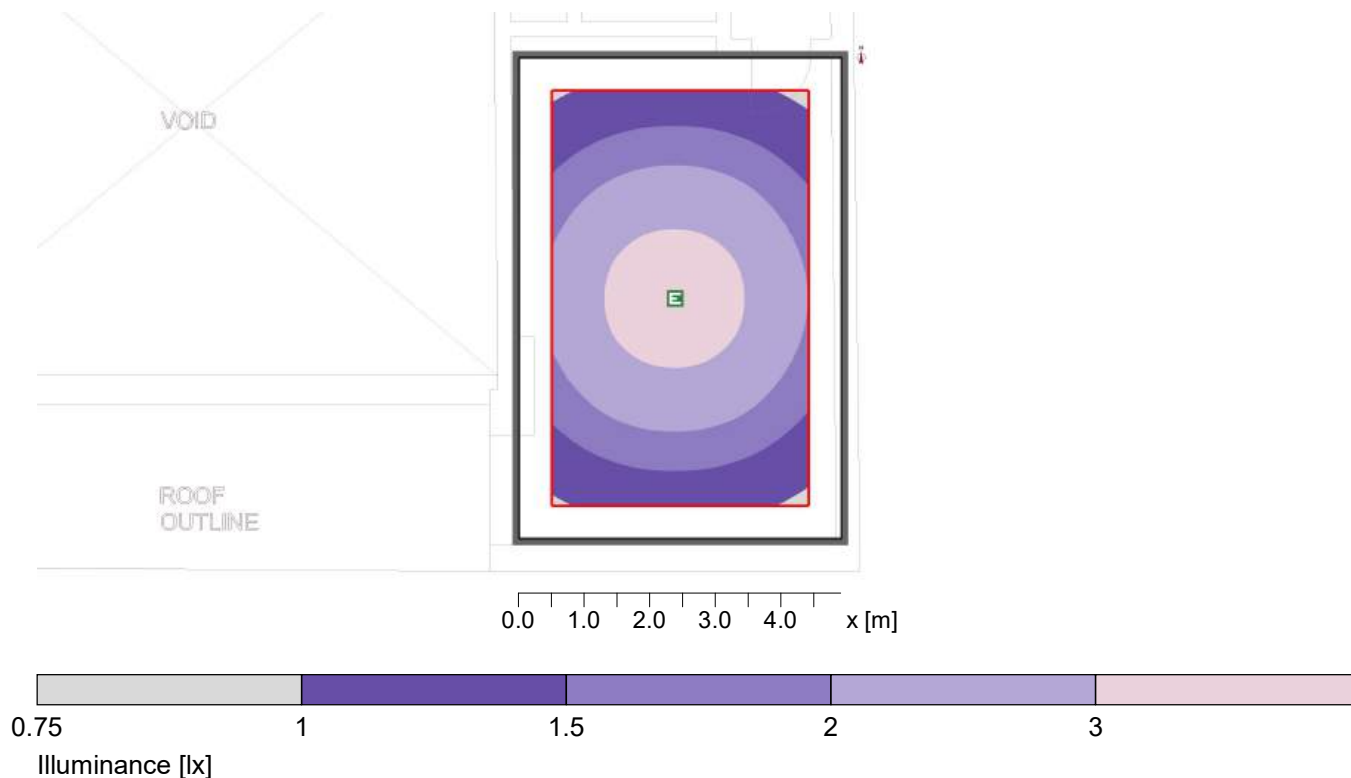
: 0.8

Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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12.2 Summary, Room 12

12.2.2 Result overview (emergency lighting)



General

Calculation algorithm used : Direct component
Maintenance factor : 0.8
Height (phot. centre) : 2.70 m
Maximum I : 42 cd <= 900 cd

Anti panic area:

No.	Emin [lx]	Surface Emax [lx]	Ud
Anti panic area 1.1			
Calculation field: 3.91m x 6.32m (5 x 9 pts), Height = 0.00m			
1	0.89 lx >= 0.5 lx	3.61 lx	1: 4.07 >= 1 : 40



Type No. \Make

NVC Lighting			
1	1E x	Order No. : IE3C943083103/Setting 2	-- Emergency Lighting --
		Luminaire name : E3C943083103	
		Equipment : 1 x LED 3hr EMERGENCY 0.8 W / 209 lm (0%)	
		Emergency : 209 lm	

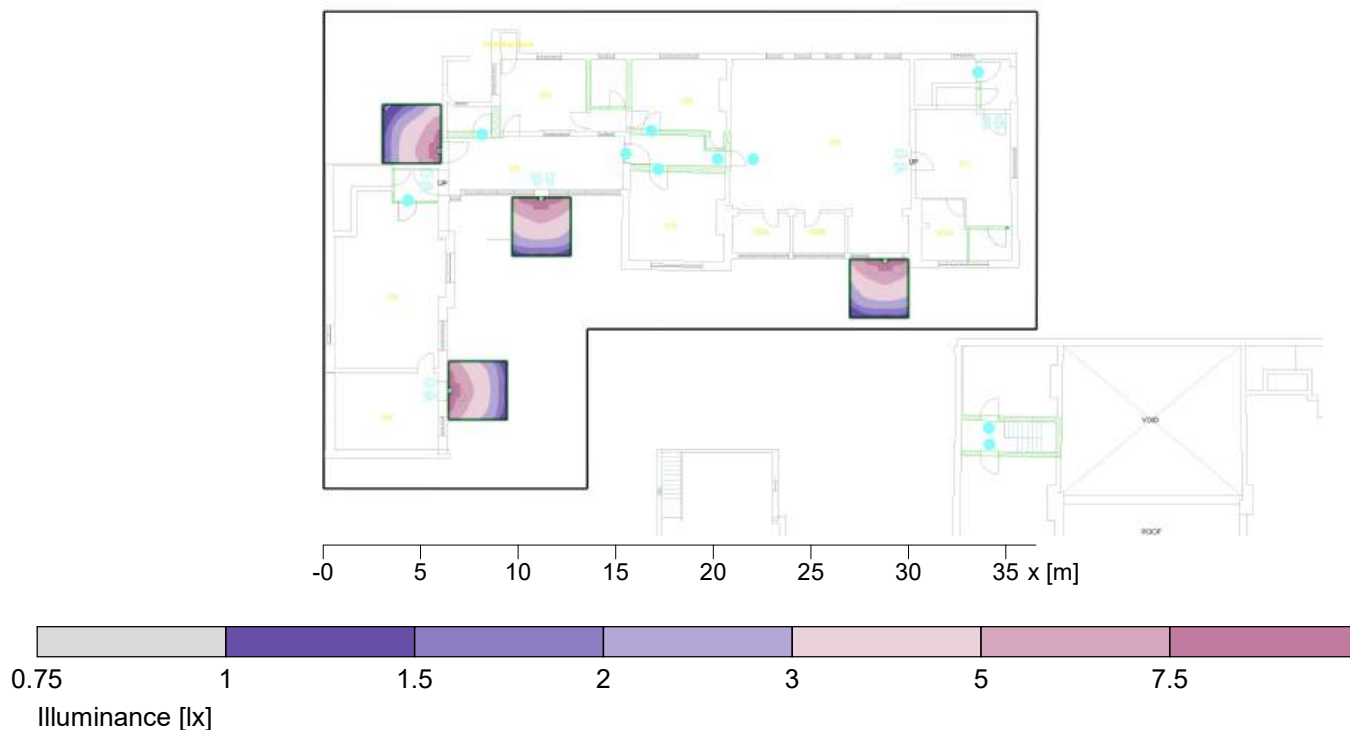
Object : DWD-6186-Westwood College Phase 2
 Installation : Proposed Lighting
 Project number :
 Date : 13.06.2025

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1 Exterior 1

1.1 Summary, Exterior 1

1.1.1 Result overview (emergency lighting)

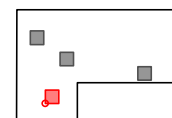


General

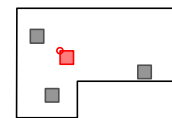
Calculation algorithm used : Direct component
 Maintenance factor : 0.8
 Height (phot. centre) : 2.67 m
 Maximum I : 88 cd <= 900 cd

Anti panic area:

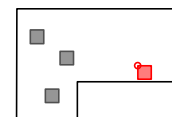
No.	Emin [lx]	Surface Emax [lx]	Ud
1 EMERGENCY EXIT EXAMPLE (3M X 3M)			
Calculation field: 3m x 3m (7 x 7 pts), Height = 0.00m			
1	1.07 lx >= 1 lx	9.77 lx	1: 9.11 >= 1 : 40



2 EMERGENCY EXIT EXAMPLE (3M X 3M)			
Calculation field: 3m x 3m (7 x 7 pts), Height = 0.00m			
2	1.09 lx >= 1 lx	9.88 lx	1: 9.05 >= 1 : 40



3 EMERGENCY EXIT EXAMPLE (3M X 3M)			
Calculation field: 3m x 3m (7 x 7 pts), Height = 0.00m			
3	0.99 lx >= 1 lx	9.75 lx	1: 9.87 >= 1 : 40



Object : DWD-6186-Westwood College Phase 2
Installation : Proposed Lighting
Project number :
Date : 13.06.2025

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1 Exterior 1

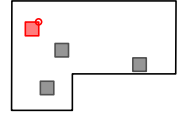
1.1 Summary, Exterior 1

1.1.1 Result overview (emergency lighting)

4 EMERGENCY EXIT EXAMPLE (3M X 3M)

Calculation field: 3m x 3m (7 x 7 pts), Height = 0.00m

4	0.92 lx	9.92 lx	1: 10.75
	>= 1 lx		>= 1 : 40



Type No.\Make

NVC Lighting

2	4E x	Order No.	: !E3C673207753/Setting 1	-- Emergency Lighting --
		Luminaire name	: E3C673207753	
		Equipment	: 1 x LED MAINS MODULE 2.1 W / 195 lm (0%)	
		Emergency	: 195 lm	