

LiDL Lampeter

Installation :

Project number :

Customer :

Processed by : Signify

Date : 21.07.2026

Project description:

Maintenance Factor 0.79

No obstructions are considered in these lighting calculations.

Lighting levels to 15 Lux Ave with 25% uniformity.

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

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

Table of contents

First Page	1
Table of contents	2
1 Exterior 1	
1.1 Description, Exterior 1	
1.1.1 Floor plan	3
1.2 Summary, Exterior 1	
1.2.1 Result overview, Canopy	4
1.2.2 Result overview, Ramp	6
1.2.3 Result overview, Rear Walkway 1	8
1.2.4 Result overview, Delivery Lane	10
1.2.5 Result overview, Rear Walkway 2	12
1.2.6 Result overview, Plant Walkway	14
1.2.7 Result overview, Carpark	16
1.2.8 Result overview, Circulation	18
1.2.9 Result overview, Plant Footpath	20
1.3 Calculation results, Exterior 1	
1.3.1 Pseudo colours, Canopy (E)	22
1.3.2 Pseudo colours, Ramp (E)	23
1.3.3 Pseudo colours, Rear Walkway 1 (E)	24
1.3.4 Pseudo colours, Delivery Lane (E)	25
1.3.5 Pseudo colours, Rear Walkway 2 (E)	26
1.3.6 Pseudo colours, Plant Walkway (E)	27
1.3.7 Pseudo colours, Carpark (E)	28
1.3.8 Pseudo colours, Circulation (E)	29
1.3.9 Pseudo colours, Plant Footpath (E)	30
2 Exterior Spill Light	
2.1 Description, Exterior Spill Light	
2.1.1 Floor plan	31
2.2 Summary, Exterior Spill Light	
2.2.1 Result overview, Reference plane 1	32
2.3 Calculation results, Exterior Spill Light	
2.3.1 Pseudo colours, Reference plane 1 (E)	34
2.3.2 3D luminance, View 1	35
2.3.3 3D luminance, View 2	36
2.3.4 3D pseudo colours, View 1 (E)	37
2.3.5 3D pseudo colours, View 2 (E)	38

1 Exterior 1

1.1 Description, Exterior 1

1.1.1 Floor plan



1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Canopy



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79
Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	109 lx
Minimum illuminance	E_{min}	63 lx
Maximum illuminance	E_{max}	132 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.73 (0.58)
Diversity U_d	E_{min}/E_{max}	1:2.1 (0.48)

Type No.Make

1	7 x	Philips
	Order No. :	
	Luminaire name :	LL-A 3000K
	Equipment :	1 x LED49-4S/830 35.4 W / 4900 lm
2	12 x	
	Order No. :	
	Luminaire name :	LL-C 3000K
	Equipment :	1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Canopy

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1.2 Summary, Exterior 1
1.2.2 Result overview, Ramp



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79
Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	108 lx
Minimum illuminance	E_{min}	72 lx
Maximum illuminance	E_{max}	132 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.49 (0.67)
Diversity U_d	E_{min}/E_{max}	1:1.82 (0.55)

Type No.\Make

1	7 x	Philips
	Order No. :	
	Luminaire name :	LL-A 3000K
	Equipment :	1 x LED49-4S/830 35.4 W / 4900 lm
2	12 x	
	Order No. :	
	Luminaire name :	LL-C 3000K
	Equipment :	1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

1.2 Summary, Exterior 1

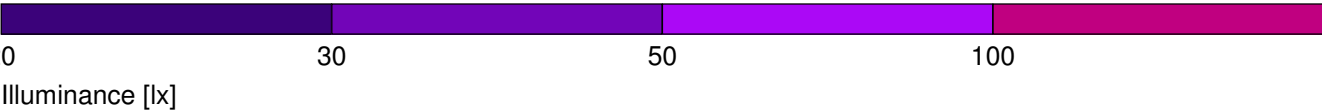
1.2.2 Result overview, Ramp

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1.2 Summary, Exterior 1

1.2.3 Result overview, Rear Walkway 1



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79

Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	74 lx
Minimum illuminance	E_{min}	26 lx
Maximum illuminance	E_{max}	113 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.86 (0.35)
Diversity U_d	E_{min}/E_{max}	1:4.37 (0.23)

Type No.Make

Philips	
1 7 x	Order No. :
	Luminaire name : LL-A 3000K
	Equipment : 1 x LED49-4S/830 35.4 W / 4900 lm
2 12 x	Order No. :
	Luminaire name : LL-C 3000K
	Equipment : 1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

1.2 Summary, Exterior 1

1.2.3 Result overview, Rear Walkway 1

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1.2 Summary, Exterior 1

1.2.4 Result overview, Delivery Lane



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79
Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	112 lx
Minimum illuminance	E_{min}	71 lx
Maximum illuminance	E_{max}	142 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.57 (0.64)
Diversity U_d	E_{min}/E_{max}	1:2 (0.5)

Type No.\Make

1	7 x	Philips
		Order No. :
		Luminaire name : LL-A 3000K
		Equipment : 1 x LED49-4S/830 35.4 W / 4900 lm
2	12 x	Order No. :
		Luminaire name : LL-C 3000K
		Equipment : 1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

1.2 Summary, Exterior 1

1.2.4 Result overview, Delivery Lane

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1.2 Summary, Exterior 1

1.2.5 Result overview, Rear Walkway 2



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79
Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	77 lx
Minimum illuminance	E_{min}	31 lx
Maximum illuminance	E_{max}	117 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:2.49 (0.4)
Diversity U_d	E_{min}/E_{max}	1:3.78 (0.26)

Type No.Make

Philips	
1 7 x	Order No. :
	Luminaire name : LL-A 3000K
	Equipment : 1 x LED49-4S/830 35.4 W / 4900 lm
2 12 x	Order No. :
	Luminaire name : LL-C 3000K
	Equipment : 1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

1.2 Summary, Exterior 1

1.2.5 Result overview, Rear Walkway 2

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1.2 Summary, Exterior 1

1.2.6 Result overview, Plant Walkway



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79
Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	100 lx
Minimum illuminance	E_{min}	56 lx
Maximum illuminance	E_{max}	165 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:1.8 (0.55)
Diversity U_d	E_{min}/E_{max}	1:2.96 (0.34)

Type No.\Make

1	7 x	Philips
		Order No. :
		Luminaire name : LL-A 3000K
		Equipment : 1 x LED49-4S/830 35.4 W / 4900 lm
2	12 x	Order No. :
		Luminaire name : LL-C 3000K
		Equipment : 1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

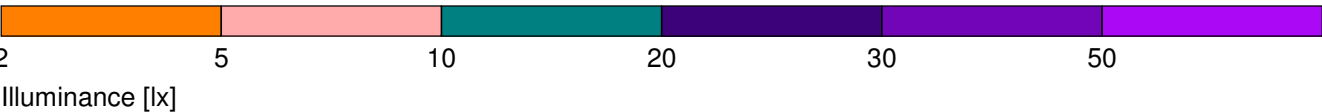
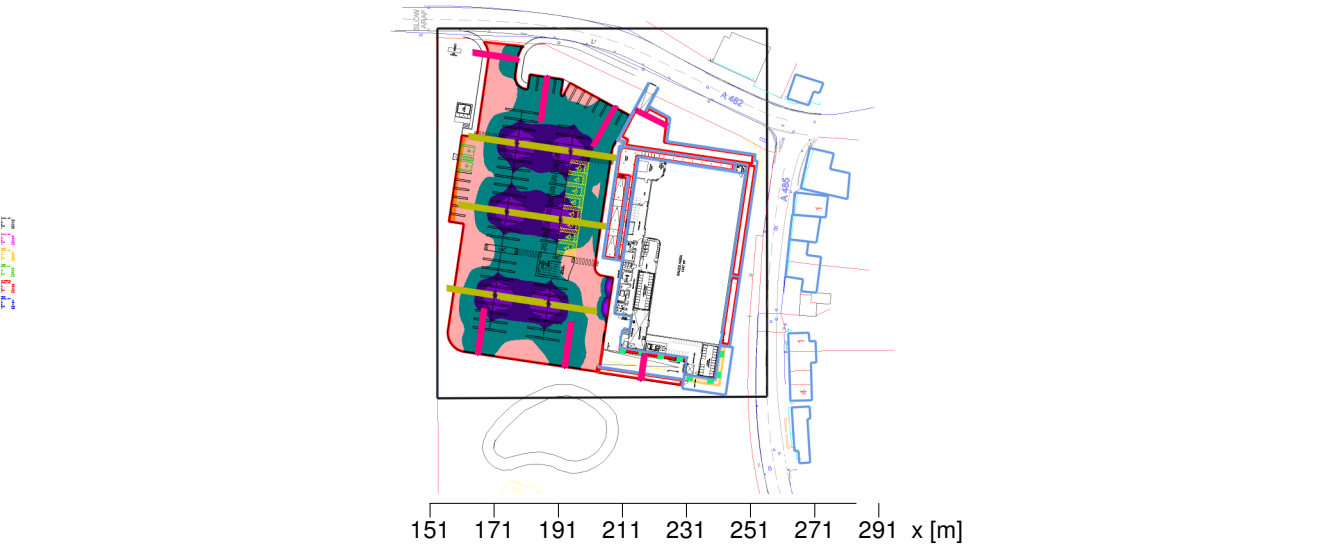
1.2 Summary, Exterior 1

1.2.6 Result overview, Plant Walkway

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1.2 Summary, Exterior 1
1.2.7 Result overview, Carpark



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79
Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	16.6 lx
Minimum illuminance	E_{min}	4.15 lx
Maximum illuminance	E_{max}	69 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.99 (0.25)
Diversity U_d	E_{min}/E_{max}	1:16.6 (0.06)

Type No.Make

Philips	
1 7 x	Order No. :
	Luminaire name : LL-A 3000K
	Equipment : 1 x LED49-4S/830 35.4 W / 4900 lm
2 12 x	Order No. :
	Luminaire name : LL-C 3000K
	Equipment : 1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

1.2 Summary, Exterior 1

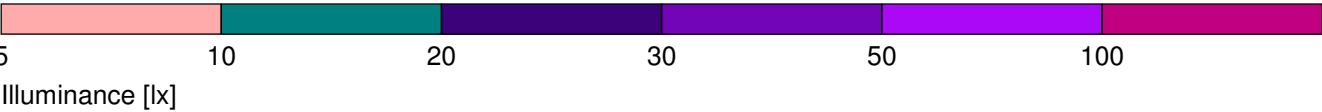
1.2.7 Result overview, Carpark

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1.2 Summary, Exterior 1

1.2.8 Result overview, Circulation



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79
Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	25 lx
Minimum illuminance	E_{min}	6.40 lx
Maximum illuminance	E_{max}	110 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.88 (0.26)
Diversity U_d	E_{min}/E_{max}	1:17.3 (0.06)

Type No.\Make

1	7 x	Philips
	Order No. :	
	Luminaire name :	LL-A 3000K
	Equipment :	1 x LED49-4S/830 35.4 W / 4900 lm
2	12 x	
	Order No. :	
	Luminaire name :	LL-C 3000K
	Equipment :	1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

1.2 Summary, Exterior 1

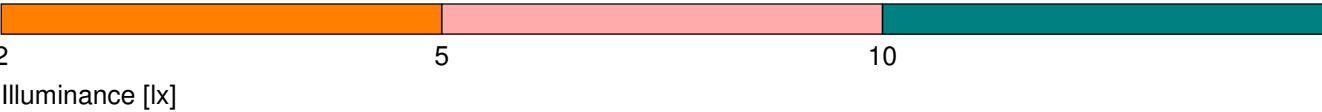
1.2.8 Result overview, Circulation

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1.2 Summary, Exterior 1

1.2.9 Result overview, Plant Footpath



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.79

Total luminous flux	263200 lm
Total power	1890.9 W
Total power per area (11817.34 m²)	0.16 W/m²
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	7.78 lx
Minimum illuminance	E_{min}	2.38 lx
Maximum illuminance	E_{max}	15.1 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:3.27 (0.31)
Diversity U_d	E_{min}/E_{max}	1:6.33 (0.16)

Type No.Make

1	7 x	Philips
	Order No. :	
	Luminaire name :	LL-A 3000K
	Equipment :	1 x LED49-4S/830 35.4 W / 4900 lm
2	12 x	
	Order No. :	
	Luminaire name :	LL-C 3000K
	Equipment :	1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

1.2 Summary, Exterior 1

1.2.9 Result overview, Plant Footpath

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 30 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Pseudo colours, Canopy (E)

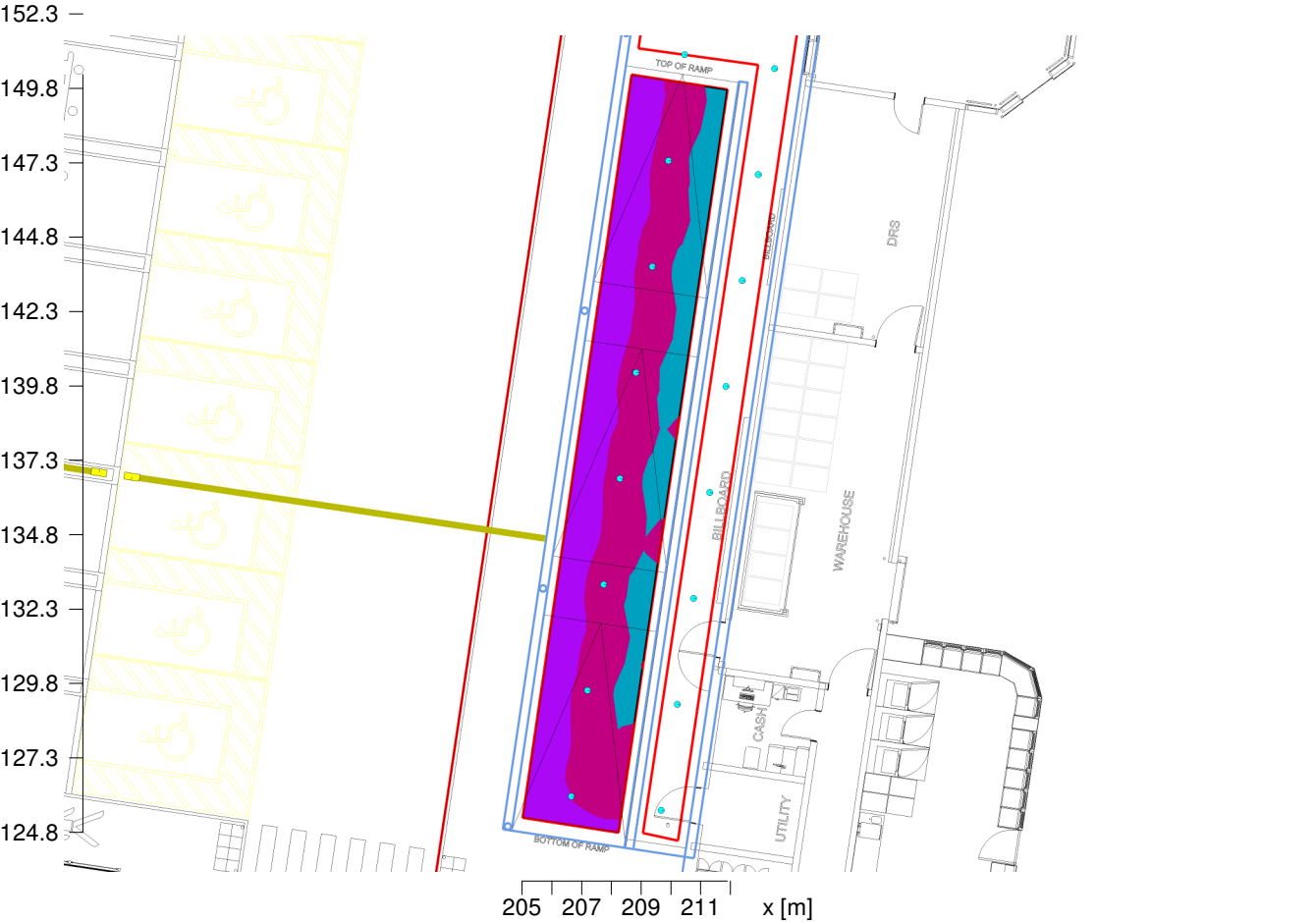


Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 109 lx
Minimum illuminance	E_{min}	: 63 lx
Maximum illuminance	E_{max}	: 132 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.73 (0.58)

1.3 Calculation results, Exterior 1

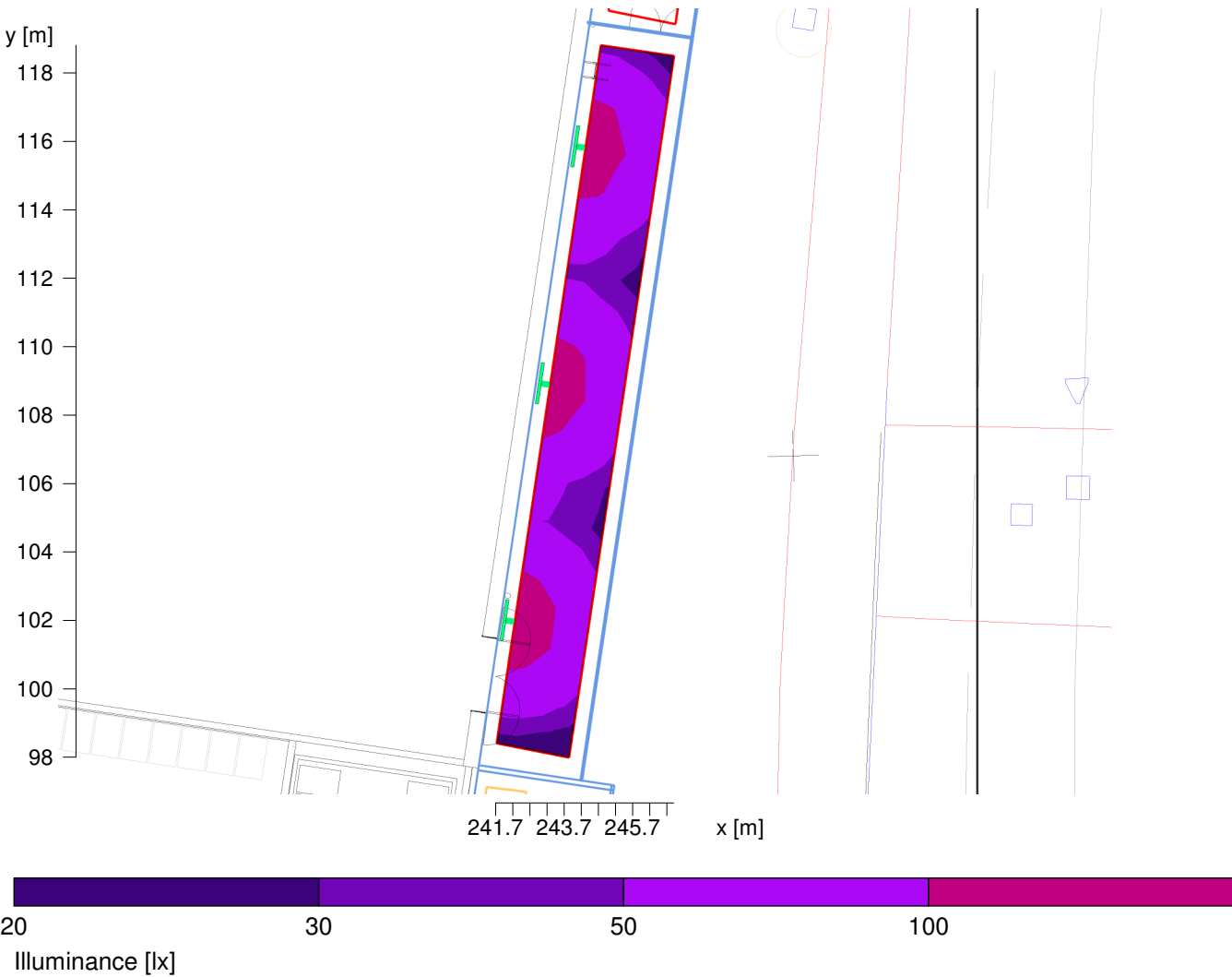
1.3.2 Pseudo colours, Ramp (E)

y [m]



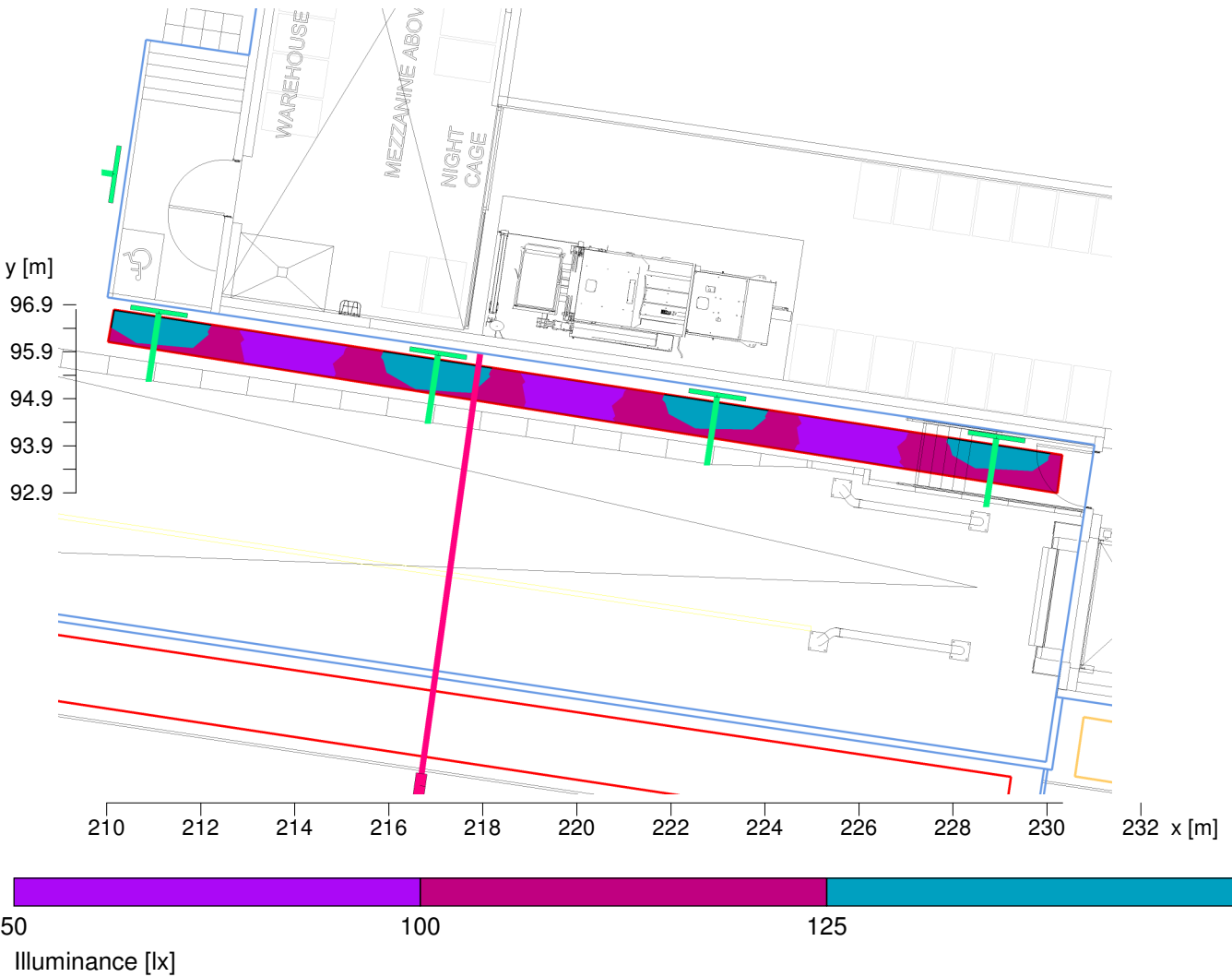
Height reference plane		: 0.00 m
Average illuminance	E_m	: 108 lx
Minimum illuminance	E_{min}	: 72 lx
Maximum illuminance	E_{max}	: 132 lx
Uniformity U_o	E_{min}/E_m	: 1 : 1.49 (0.67)

1.3 Calculation results, Exterior 1
1.3.3 Pseudo colours, Rear Walkway 1 (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 74 lx
Minimum illuminance	E_{min}	: 26 lx
Maximum illuminance	E_{max}	: 113 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.86 (0.35)

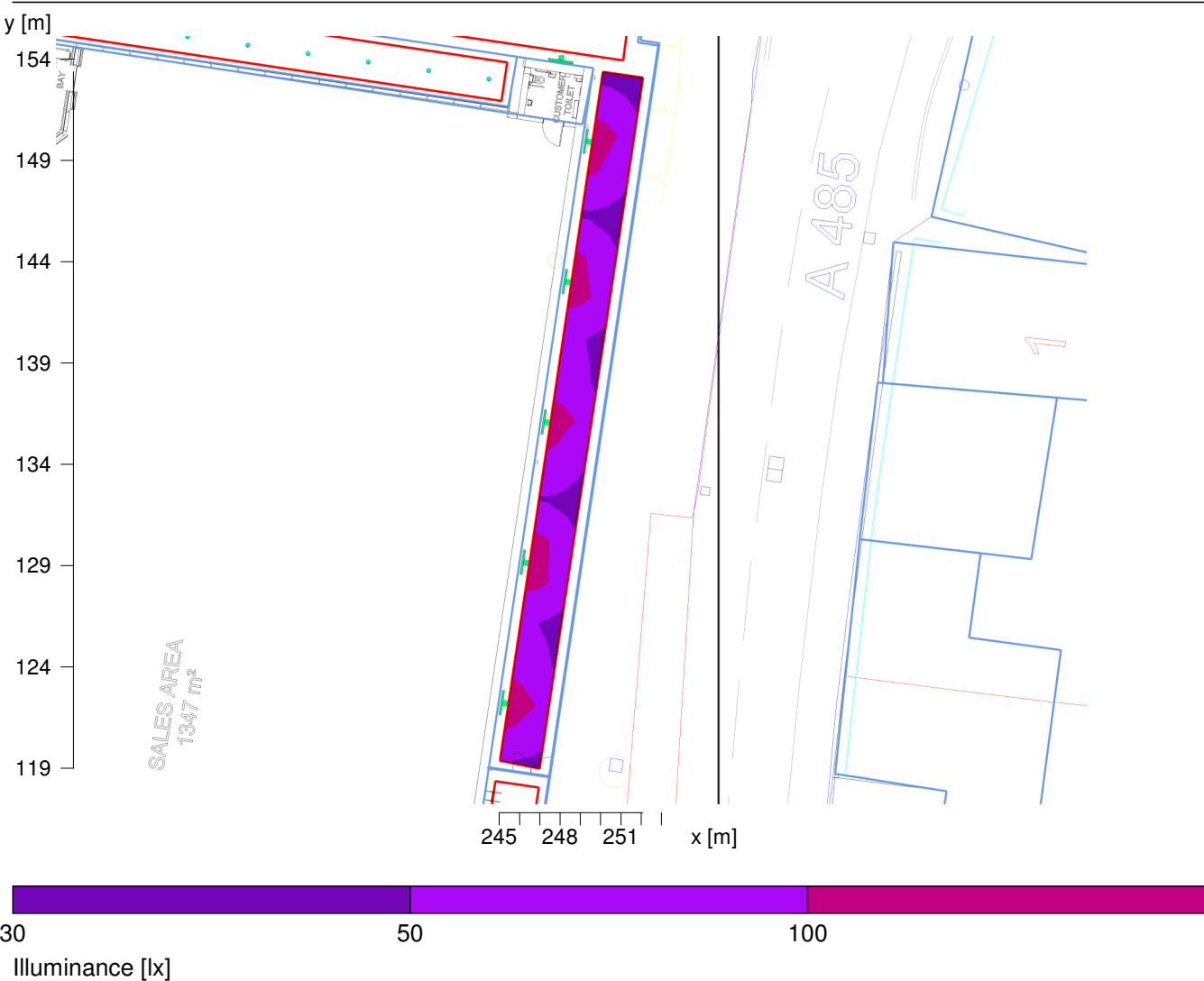
1.3 Calculation results, Exterior 1
1.3.4 Pseudo colours, Delivery Lane (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 112 lx
Minimum illuminance	E_{min}	: 71 lx
Maximum illuminance	E_{max}	: 142 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.57 (0.64)

1.3 Calculation results, Exterior 1

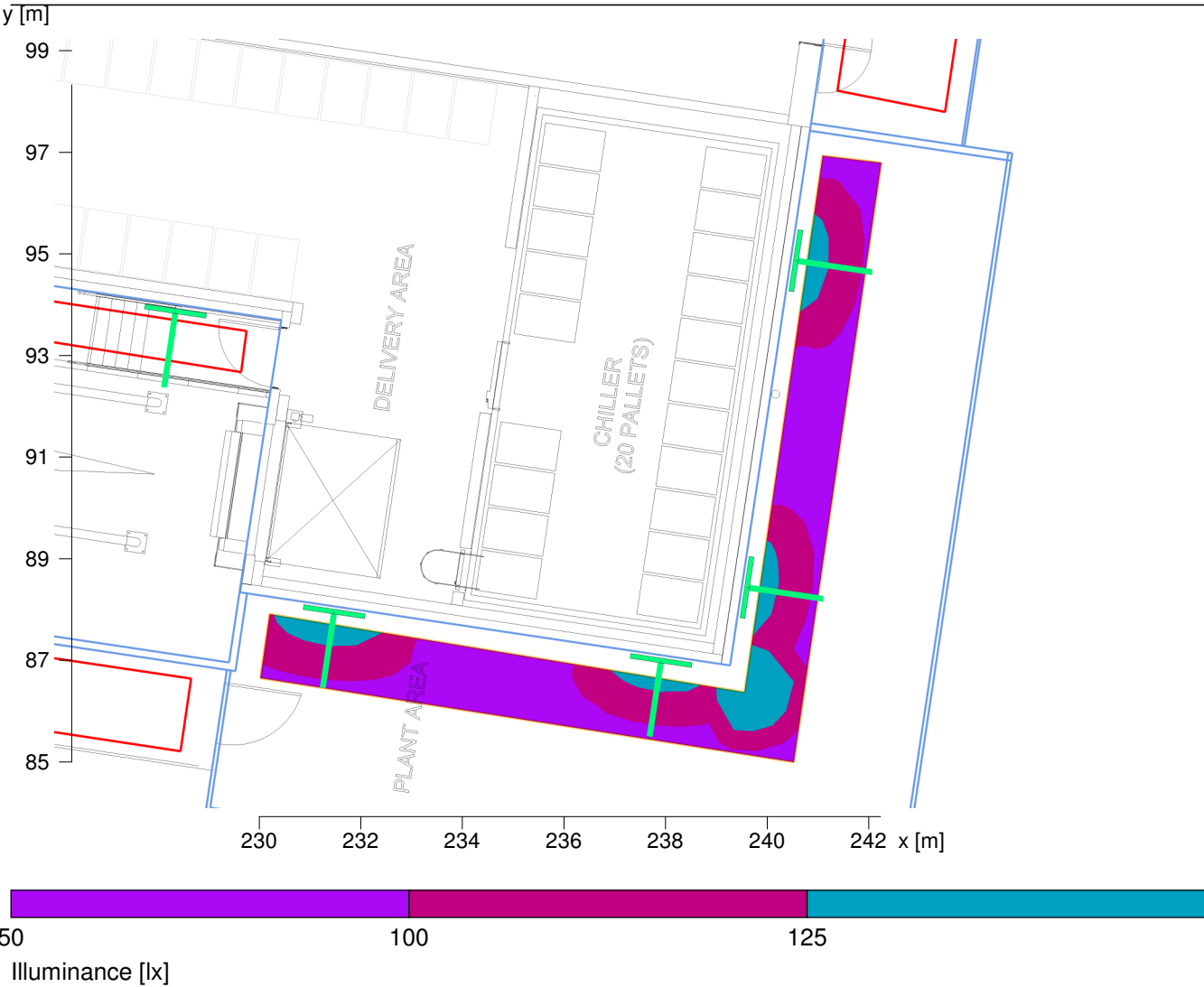
1.3.5 Pseudo colours, Rear Walkway 2 (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 77 lx
Minimum illuminance	E_{min}	: 31 lx
Maximum illuminance	E_{max}	: 117 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.49 (0.40)

1.3 Calculation results, Exterior 1

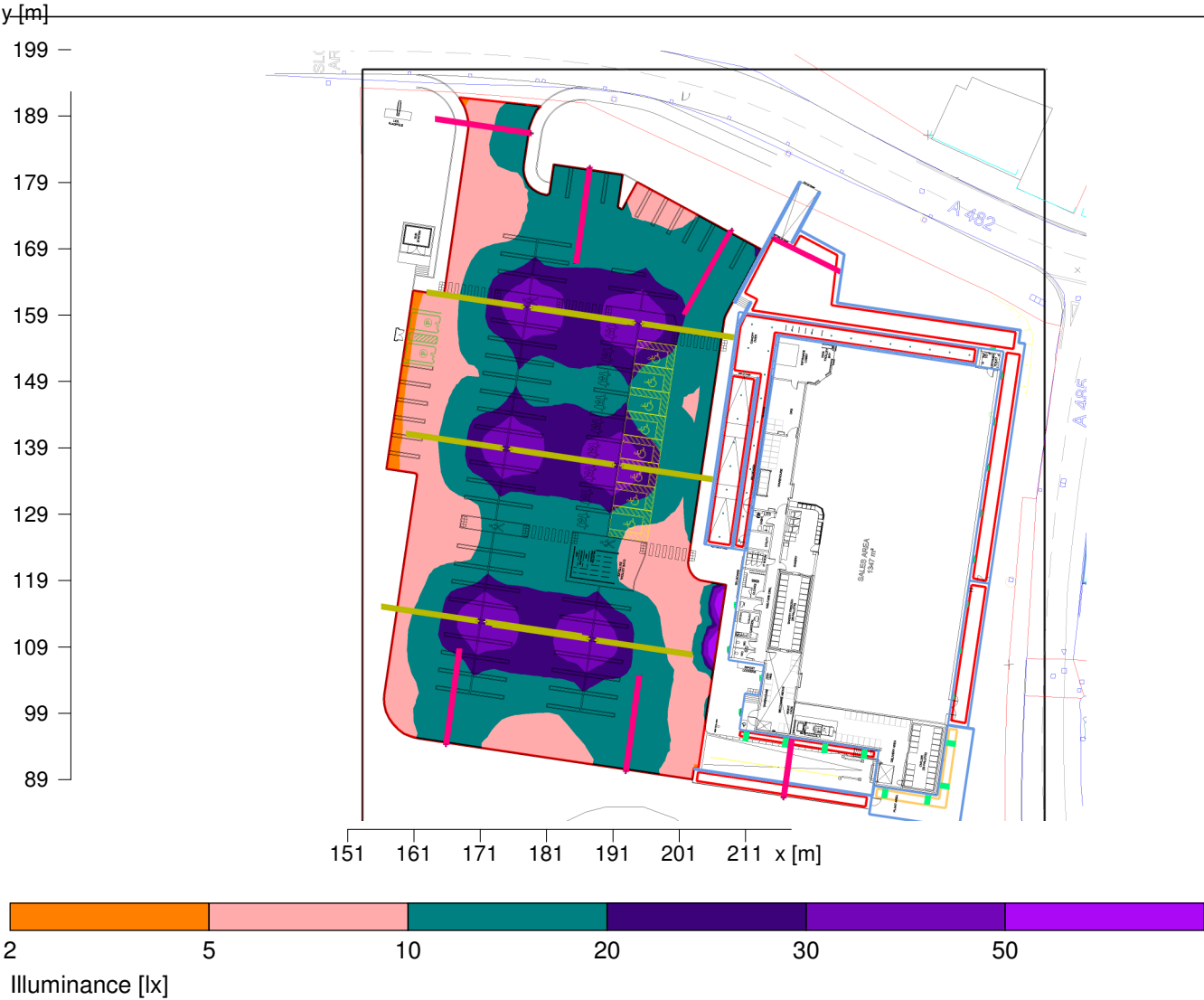
1.3.6 Pseudo colours, Plant Walkway (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 100 lx
Minimum illuminance	E_{min}	: 56 lx
Maximum illuminance	E_{max}	: 165 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.80 (0.55)

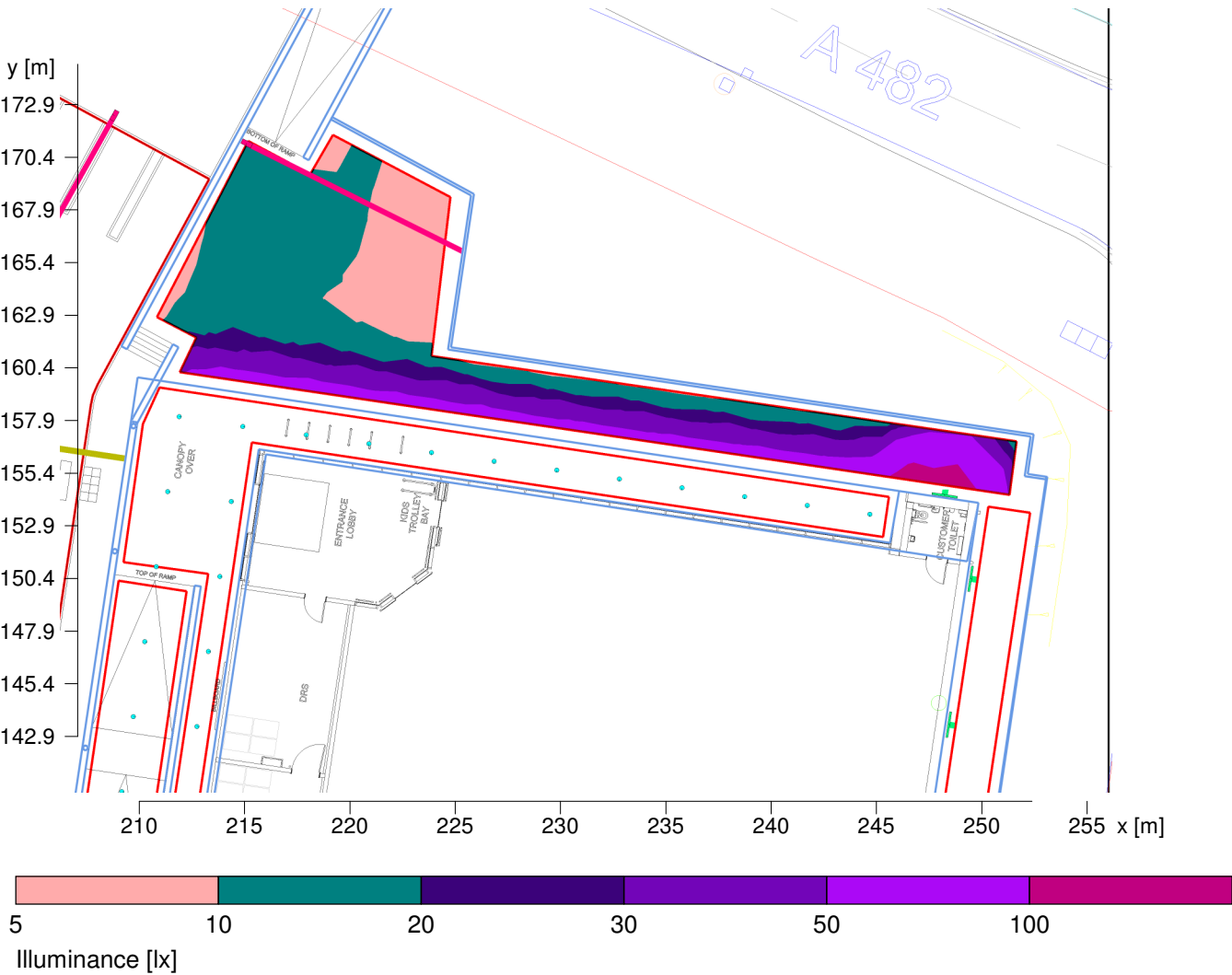
1.3 Calculation results, Exterior 1

1.3.7 Pseudo colours, Carpark (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 16.6 lx
Minimum illuminance	E_{min}	: 4.15 lx
Maximum illuminance	E_{max}	: 69 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 3.99 (0.25)

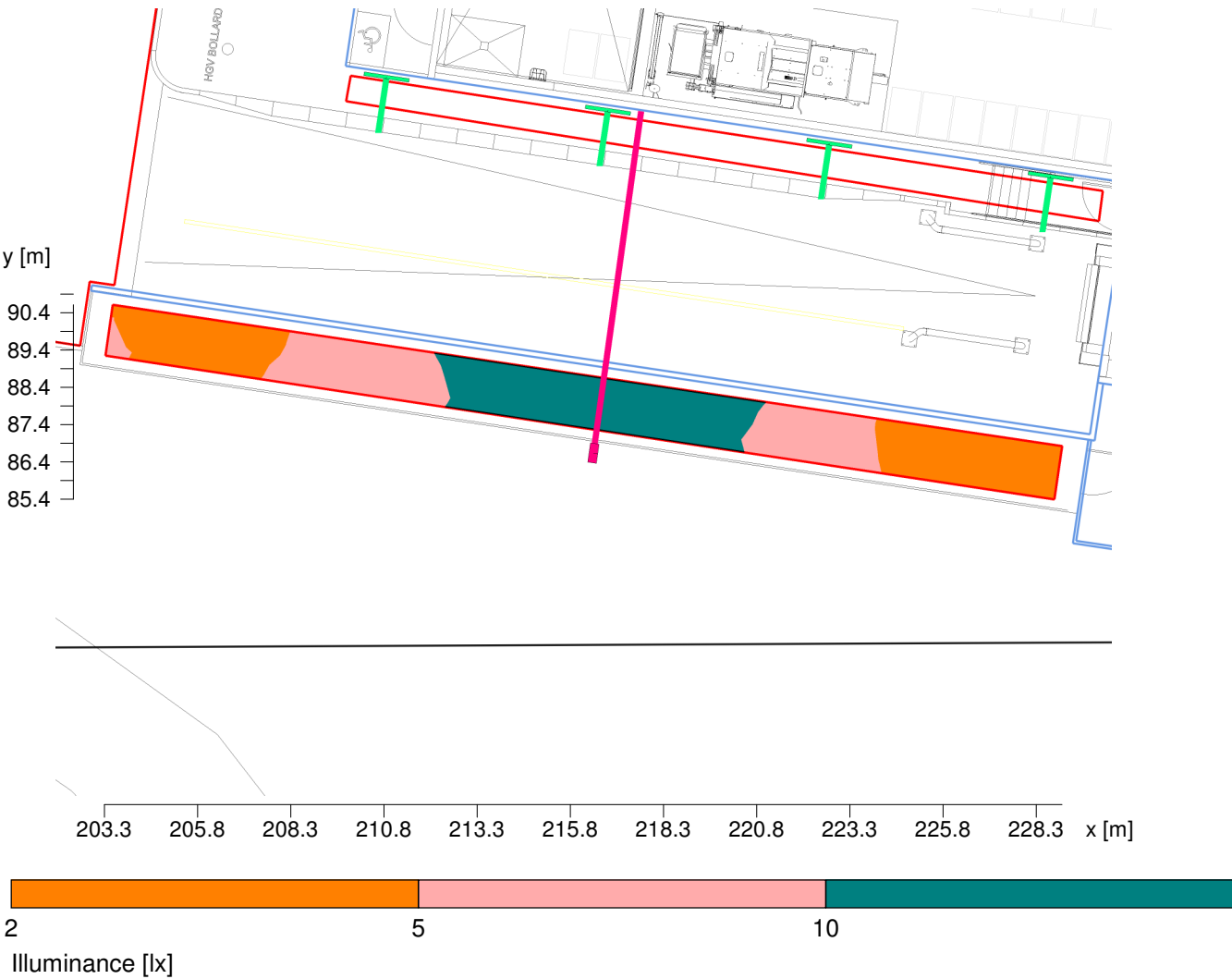
1.3 Calculation results, Exterior 1
1.3.8 Pseudo colours, Circulation (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 25 lx
Minimum illuminance	E_{min}	: 6.40 lx
Maximum illuminance	E_{max}	: 110 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 3.88 (0.26)

1.3 Calculation results, Exterior 1

1.3.9 Pseudo colours, Plant Footpath (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 7.78 lx
Minimum illuminance	E_{min}	: 2.38 lx
Maximum illuminance	E_{max}	: 15.1 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 3.27 (0.31)

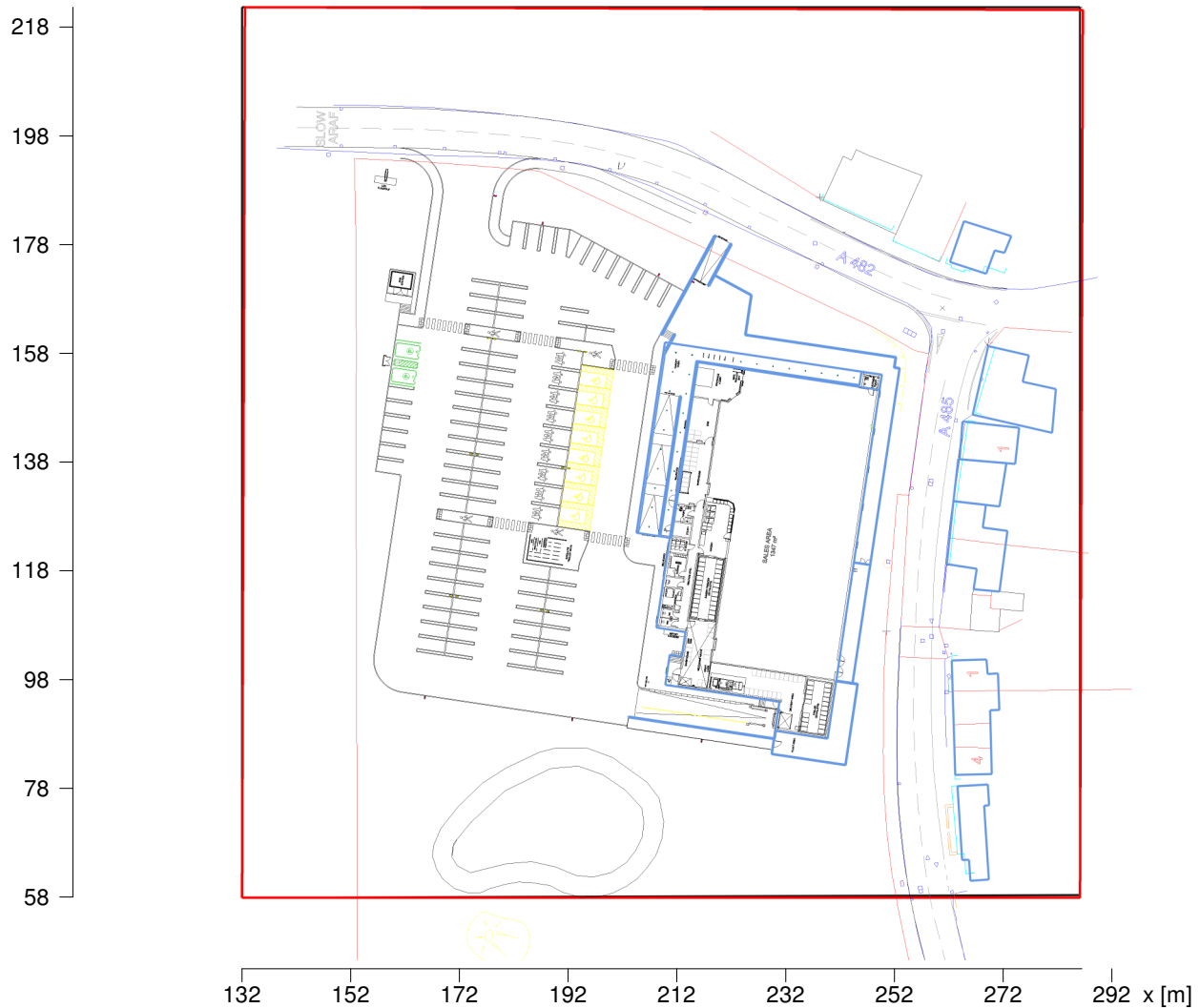
Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

2 Exterior Spill Light

2.1 Description, Exterior Spill Light

2.1.1 Floor plan

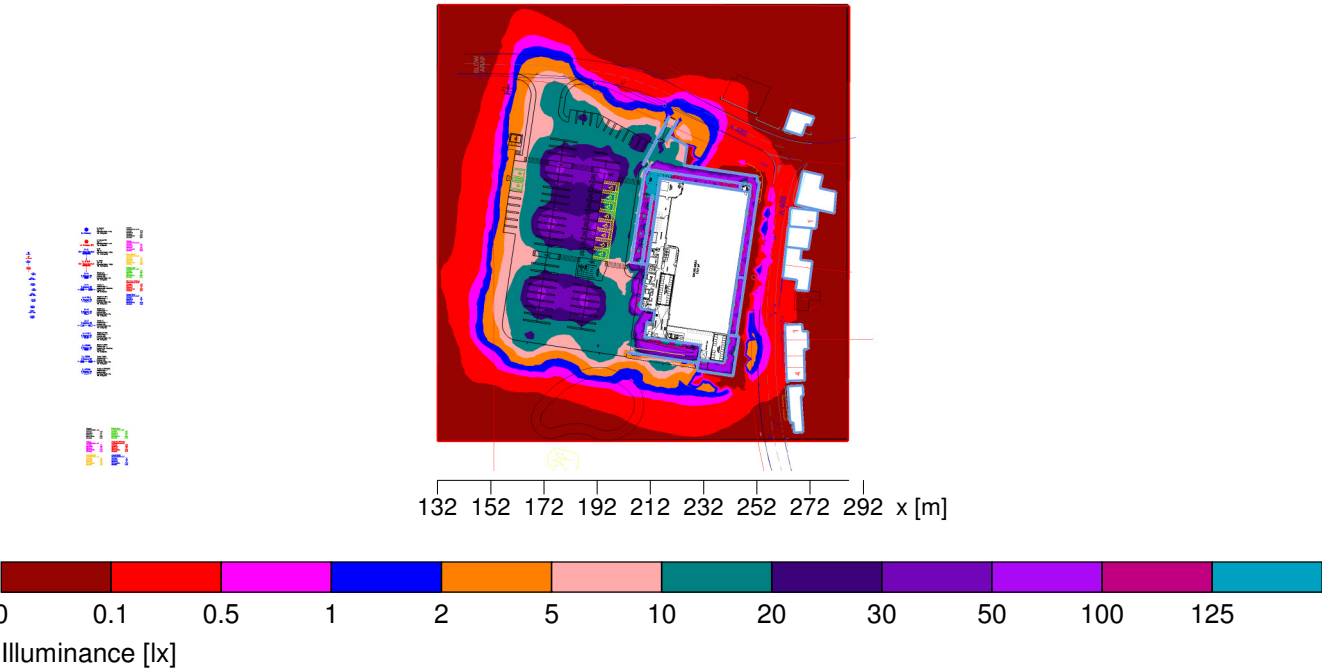
y [m]



2 Exterior Spill Light

2.2 Summary, Exterior Spill Light

2.2.1 Result overview, Reference plane 1



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	1.00
Total luminous flux	267000 lm
Total power	1923.3 W
Total power per area (25160.68 m²)	0.08 W/m² (1.00 W/m²/100lx)
Upward light ratio (RUL)	1 %

Illuminance

Average illuminance	$\bar{E}_m$	7.66 lx
Minimum illuminance	E_{min}	0.00 lx
Maximum illuminance	E_{max}	221 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity U_d	E_{min}/E_{max}	1:--- (---)

Type No.\Make

1	7 x	Philips
		Order No. :
		Luminaire name : LL-A 3000K
		Equipment : 1 x LED49-4S/830 35.4 W / 4900 lm
2	12 x	Order No. :
		Luminaire name : LL-C 3000K
		Equipment : 1 x LED75-4S/830 51.8 W / 7500 lm

The ULR value has been calculated without obstruction by other objects.

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

2 Exterior Spill Light

2.2 Summary, Exterior Spill Light

2.2.1 Result overview, Reference plane 1

3 21 x Order No. :
 Luminaire name : LL-E 3000K
Equipment : 1 x LED42S/830 25.5 W / 3900 lm

4 32 x Order No. :
 Luminaire name : LL-Canopy 4000K
Equipment : 1 x LED20S/840 16.2 W / 1900 lm

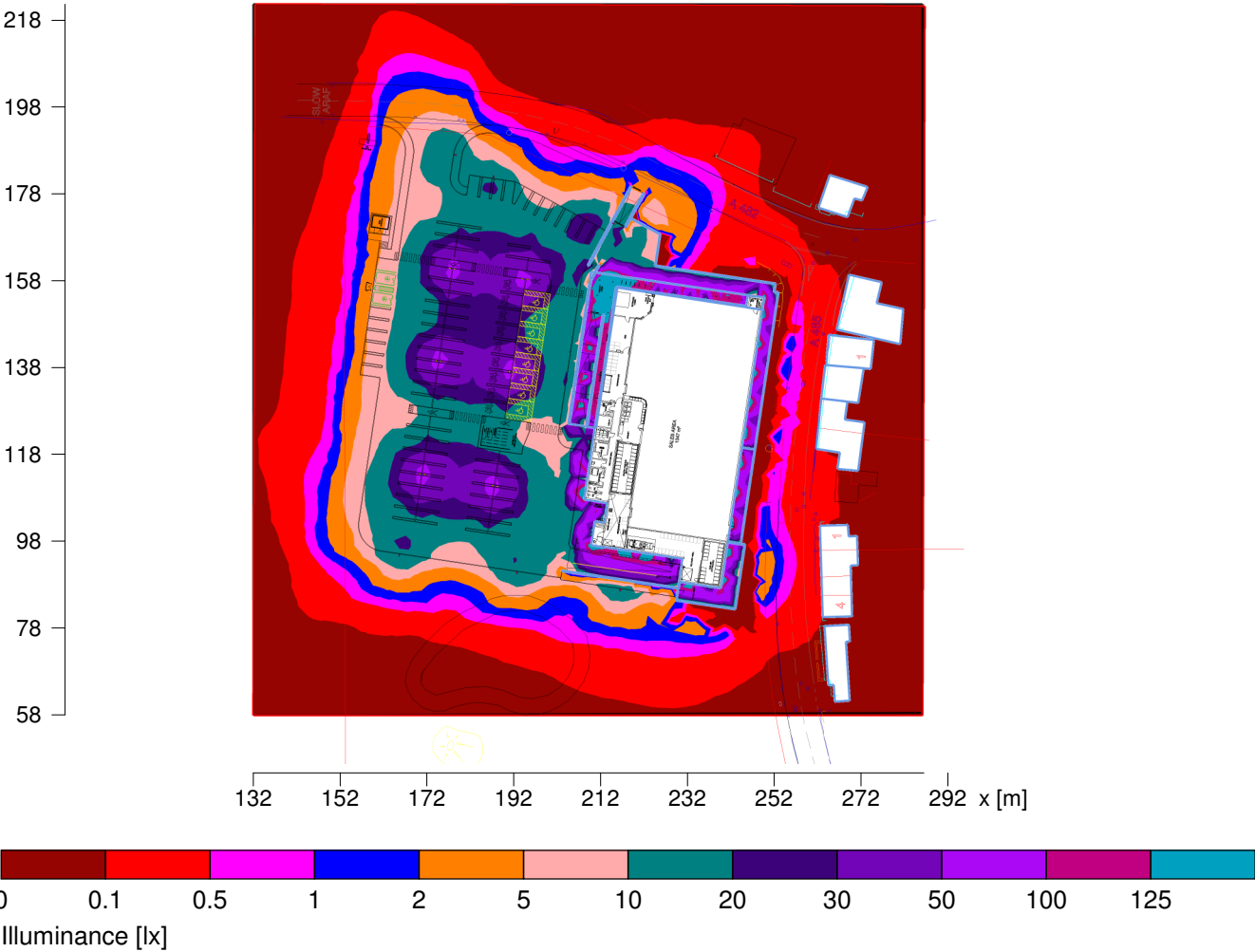
2 Exterior Spill Light

2.3 Calculation results, Exterior Spill Light

2.3.1 Pseudo colours, Reference plane 1 (E)

y [m]

238 –

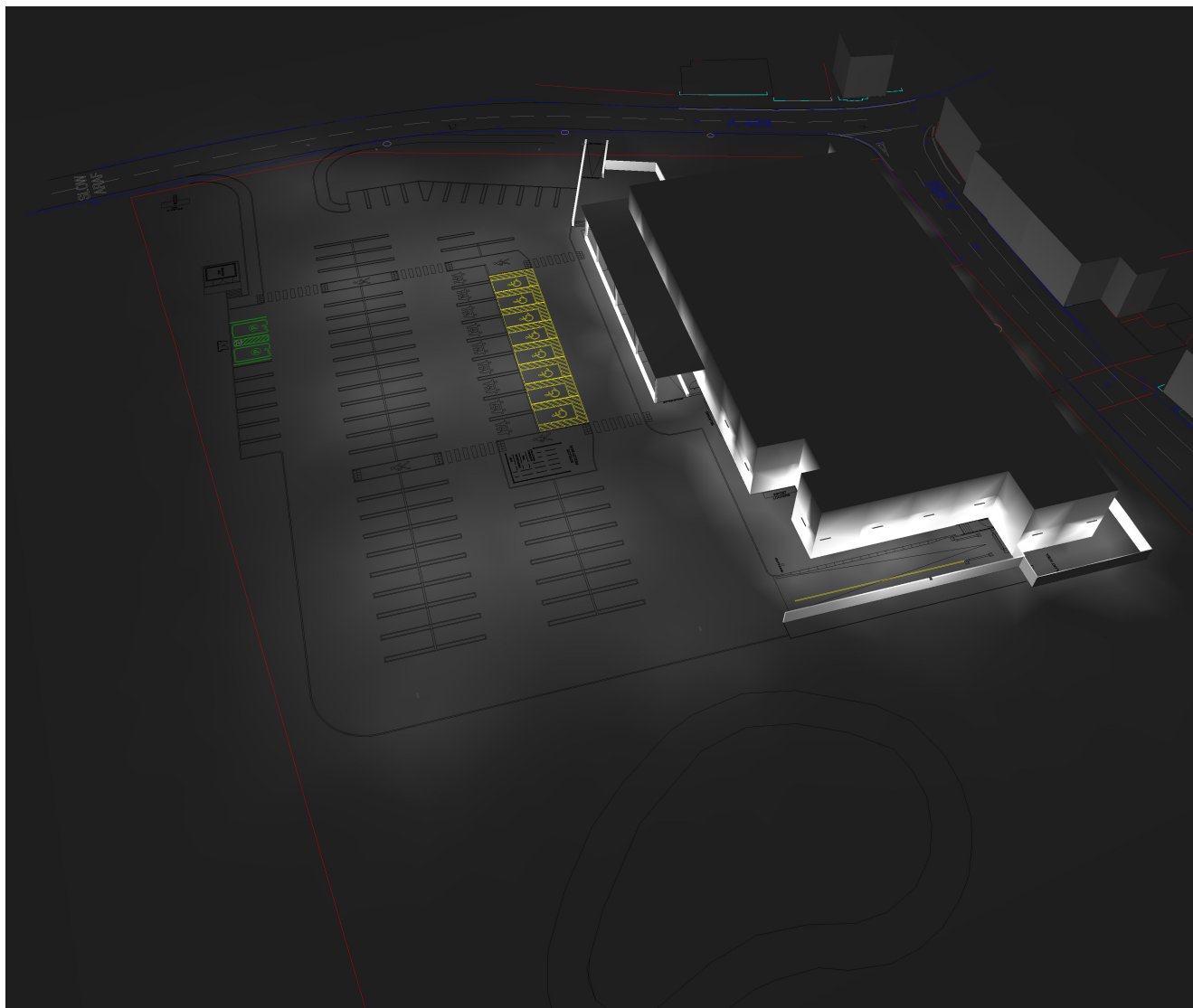


Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 7.66 lx
Minimum illuminance	E_{min}	: 0.00 lx
Maximum illuminance	E_{max}	: 221 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: ---

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

2.3 Calculation results, Exterior Spill Light

2.3.2 3D luminance, View 1



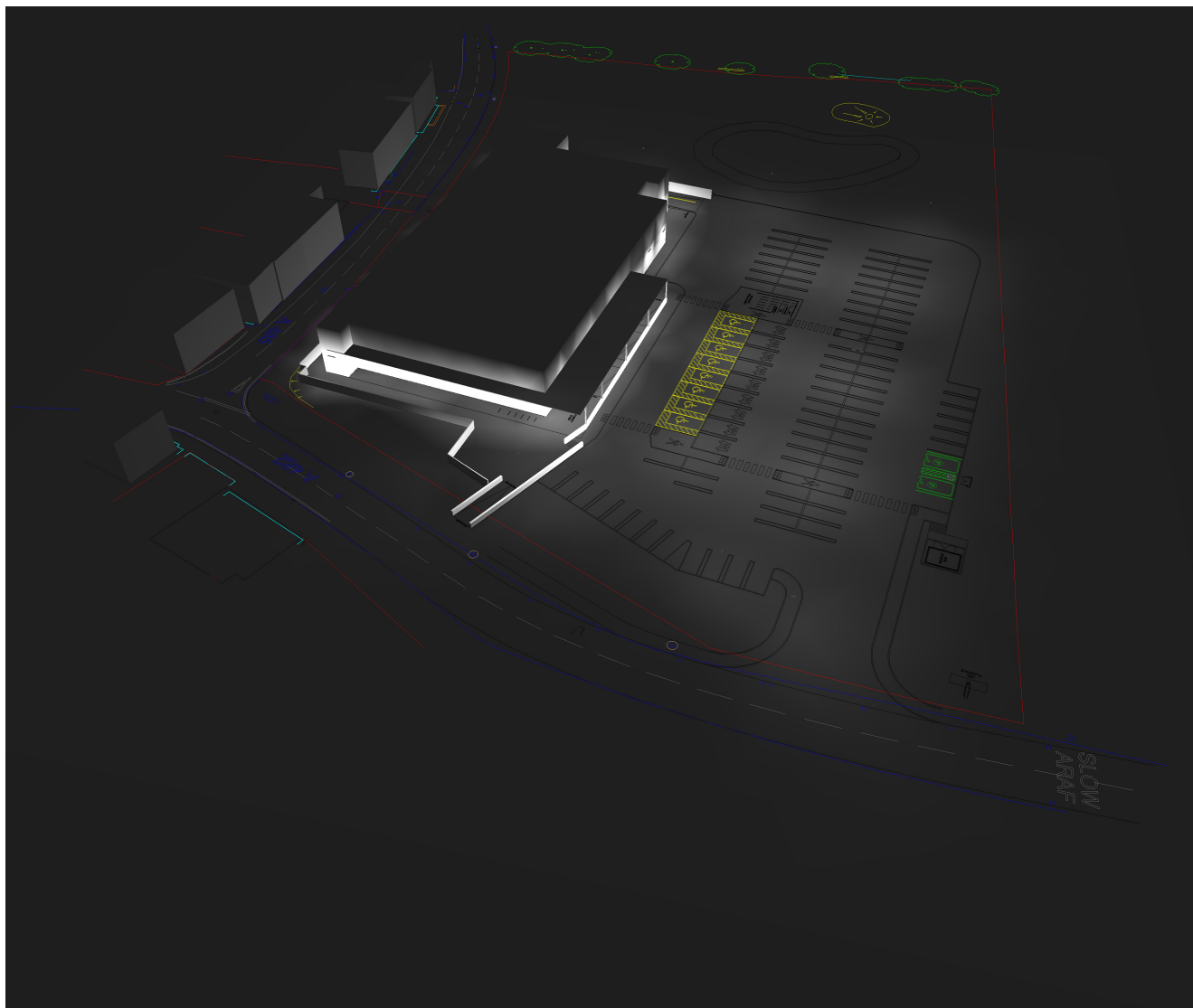
Luminance in the scene

Minimum: : 0 cd/m²
Maximum: : 25.3 cd/m²

Object : LiDL Lampeter
Installation :
Project number :
Date : 21.07.2026

2.3 Calculation results, Exterior Spill Light

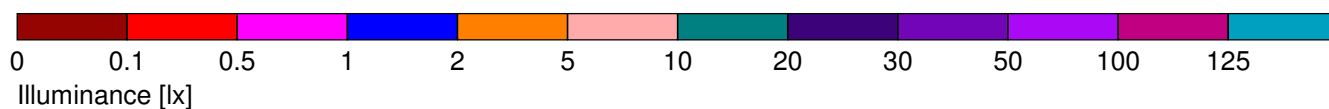
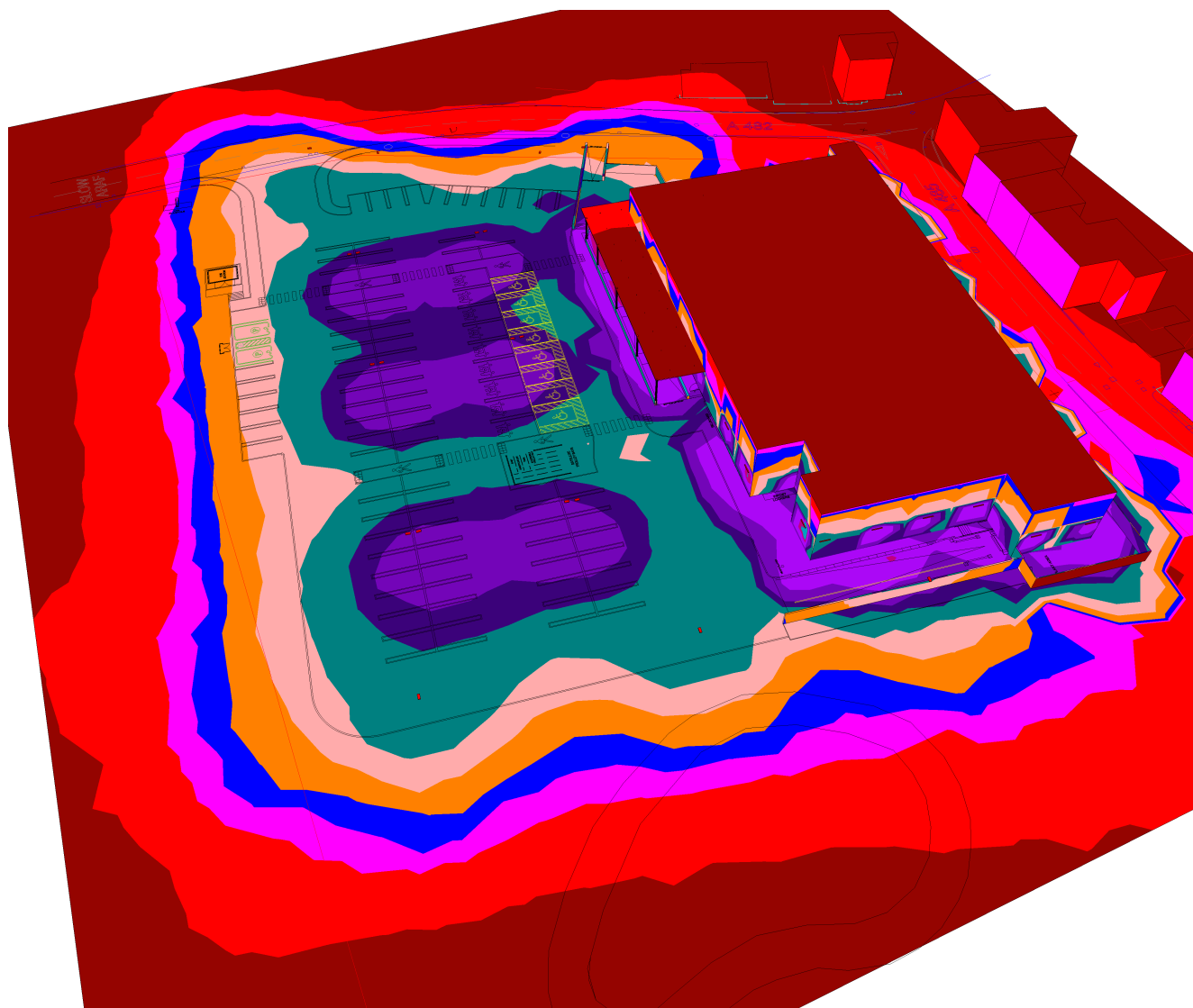
2.3.3 3D luminance, View 2



Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 25.3 cd/m²

2.3 Calculation results, Exterior Spill Light

2.3.4 3D pseudo colours, View 1 (E)



2.3 Calculation results, Exterior Spill Light

2.3.5 3D pseudo colours, View 2 (E)

