



DESIGN ENGINEER SUSTAIN

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Plot F, Great Jackson Street, Manchester External Lighting Assessment

QA

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Title	Associate Director			
Signature	<i>M Perkins</i>			
Date of Issue	25 th March 2026			
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Section 1 - Introduction

Futureserv have been appointed by Renaker to produce an External Lighting Assessment to support the external lighting planning conditions for the construction of a residential development in Manchester.

This report outlines the principles that have been utilised when developing the detailed external lighting design for the development to ensure that the effects of lighting are controlled in line with best practice and to minimise light pollution.

A lighting simulation has been developed using industry standard software to model the proposed external lighting provision across the site and determine estimated lighting levels both on the site and also spill lighting levels adjacent to the site boundaries with the results indicated on the lux plot drawing included within the report.

The overall lighting philosophy for the development is to achieve appropriate levels of artificial lighting to ensure a safe environment for residents, visitors and staff whilst also minimising light spill, obtrusive light and light pollution.

The detailed design of the external lighting has been developed to achieve a visually attractive and interesting environment, complimenting the sites natural and architectural features.

The use of high-efficiency LED luminaires with automatic control systems has been employed to minimise energy consumption and also ensure that lighting levels are maintained by selection of luminaires with a long lifespans.

Section 2 – Site Constraints and Requirements

The development plot located on Great Jackson Street is adjacent to several existing residential developments.

Vehicular & pedestrian access will be provided via the services entrance with pedestrian access to the courtyards via several routes.



The main objectives for providing external lighting to the development include:

- Provide safe access for pedestrians, cyclists and vehicles.
- Ensure appropriate illumination for operation of CCTV and security.
- Provide appropriate illumination of the carparking entrance areas.
- Highlight building entry points.
- Illumination of the service area to facilitate deliveries.
- Provide subtle illumination of natural & Architectural features.
- Control and minimise obtrusive and spill lighting.

The designed external lighting will help promote residents, staff and visitors feeling of safety & security whilst assisting with direction finding around the buildings and landscaped amenity areas.

Section 3 – Design Criteria

The external lighting solutions to all areas has been designed in accordance with the following key design standards and follow industry best practice.

- SLL Code for lighting
- CIBSE LG6 - Lighting Guide 06 : The Exterior Environment.
- GN01 – Guidance Note For The Reduction of Obtrusive Lighting.
- BS5489 – Road lighting
- BS12464 – Lighting of workplaces (where applicable).

The external lighting design will also take into account any recommendations of the Ecological Appraisal and measures required to protect bats and other wildlife and in particular when adjacent to the sensitive woodland areas.

Design Lighting Levels

A summary of target lighting levels is included below following the design criteria standards. During the project detailed design stage, the use of industry standard modelling and simulation software (Relux or Dialux) will be utilised to confirm resulting lux levels and spill light surrounding the site prior to commencement.

	Target Ave Illuminance	Uniformity
▪ Footpaths	10 lux	0.25
▪ Vehicle Access	10 lux	0.25

Consideration has been given to the presence of the elderly and disabled residents with the above required lux levels exceeded to provide additional illuminance.

All ramps for use by wheelchair users achieve adequate illumination with lighting controls in use to ensure the constant operation of the fittings within darkness hours.

Section 4 – Light Pollution & Control of Obtrusive Light.

Selection of all exterior luminaires and light sources has been made to minimise both light spill to the surrounding areas and also control of upward light as defined by ILP for Category E3 areas.

This will be achieved where possible by the use of lower output luminaires appropriately spaced to avoid excessive upward reflected light/glare. Careful selection of luminaire optics will ensure light distribution is directed to the ground and where necessary the use of optic shields to minimise direct glare to surrounding areas.

Lighting levels will be in accordance with the stated design standards and best practice ensuring that areas are not unnecessarily over-illuminated.

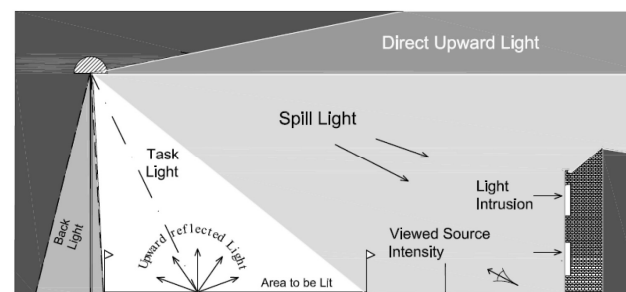


Fig 1 – Sources of intrusive Light

Section 5 – Lighting Components

The use of colour matched, high efficiency LED light sources will be employed across key external areas to help achieve a high quality, energy efficient visually interesting environment.

The external lighting scheme will comprise of the following main elements.



Pedestrian Walkways, Paths and Podium

Led Bollards will be used to illuminate pedestrian walkways and paths. The bollard lighting shall be directed onto the walkways thereby limiting glare and obtrusive light.

Vehicle Entrance to Service Area and Basement Car Parks

High quality lighting columns with a maximum height of 8mtrs will be used to efficiently illuminate the parking entrance areas with fittings selected to minimise upward light spill and obtrusive light to the surrounding residences.

Building Entrances

The use of architectural LED wall mounted luminaires will be used to clearly highlight building entrances and will also provide emergency lighting to facilitate safe egress during power outages.

Section 6 – Lighting Controls

Control of the external lighting systems will be automatic by means of electronic programmable timeclocks and photocells which will ensure that artificial lighting remains operational only when necessary, during the hours of darkness.

The external lighting elements will be configured into individually controlled 'zones' to allow independent control of each area (e.g. roadway, footpaths, parking zones, courtyard etc). This will allow areas which are not intended to be in use during the night period to be either switched off thereby saving energy and further reducing obtrusive light.

Consideration of the implementation of automatically dimming selected lighting outside of curfew hours will also be evaluated to further reduce obtrusive light.

Section 7 – Conclusions

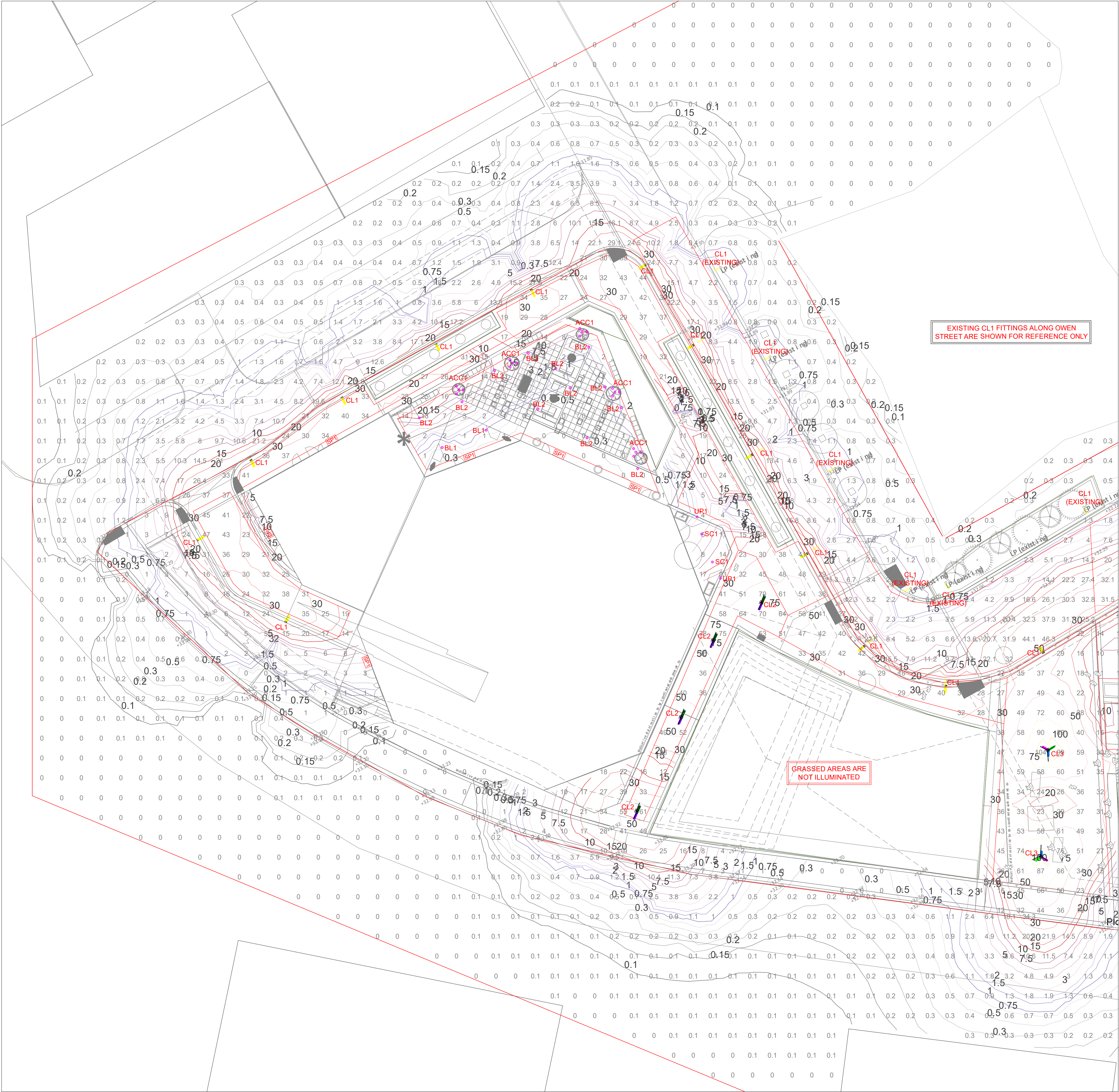
A well designed, energy efficient external lighting scheme will help provide and maintain safe access for residents, staff and visitors to the development during the evenings and during night time hours.

Careful selection, control and positioning of luminaires will ensure that the effects of obtrusive spill light is minimised to both the development and to neighbouring areas.

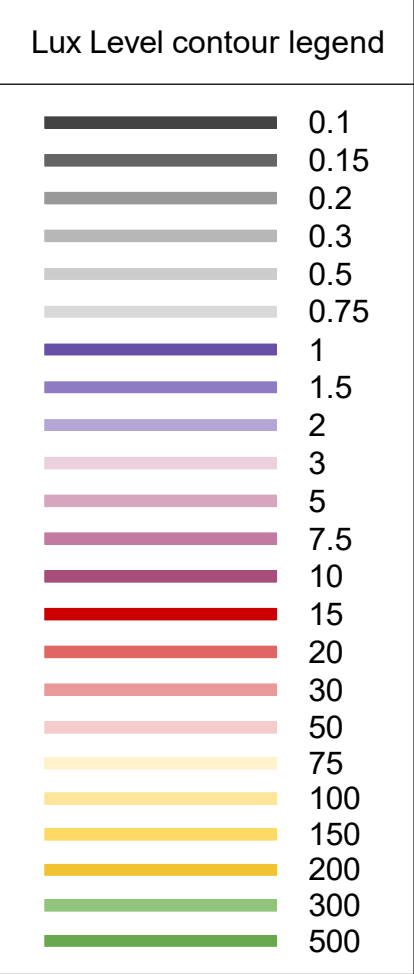
Our initial lighting simulation lux plot drawing demonstrates that safe and appropriate lighting levels can be achieved across the site whilst minimising spill light adjacent to the site boundary. It can be seen that spill light reduces to >1lux close to the site boundary and well before it reaches any neighbouring properties or sensitive areas.



Section 8 – External Lighting Lux Plot



Symbol	Quantity	Part Code	Symbol reference
[Symbol]	26	AL-URC-S20-T3A	ICL1
[Symbol]	10	AL-URC-S10-T3A	ICL2-1
[Symbol]	10	AL-URC-S20-T3A	ICL2-2
[Symbol]	2	AL-URC-S10-T3A	ICL3-1
[Symbol]	2	AL-URC-S20-T3A	ICL3-2
[Symbol]	2	AL-URC-S30-T3A	ICL3-3
[Symbol]	5	AL-URC-S60-T3A	ICL4-1
[Symbol]	5	URC-M120-T3A-32 (5050 30K RA70 T3A)	ICL4-2



Experts in display lighting and commercial lighting solutions

T: 0161 494 2118
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project: Plot F1, Great Jackson Street
Manchester

drawing title: Proposed external lighting arrangement
overall site + lightspill lux levels

client: RMN Electrical

file name: Gt Jackson St LTG_00B plan 260319.dwg

dwg no: E-XX-F1-A1

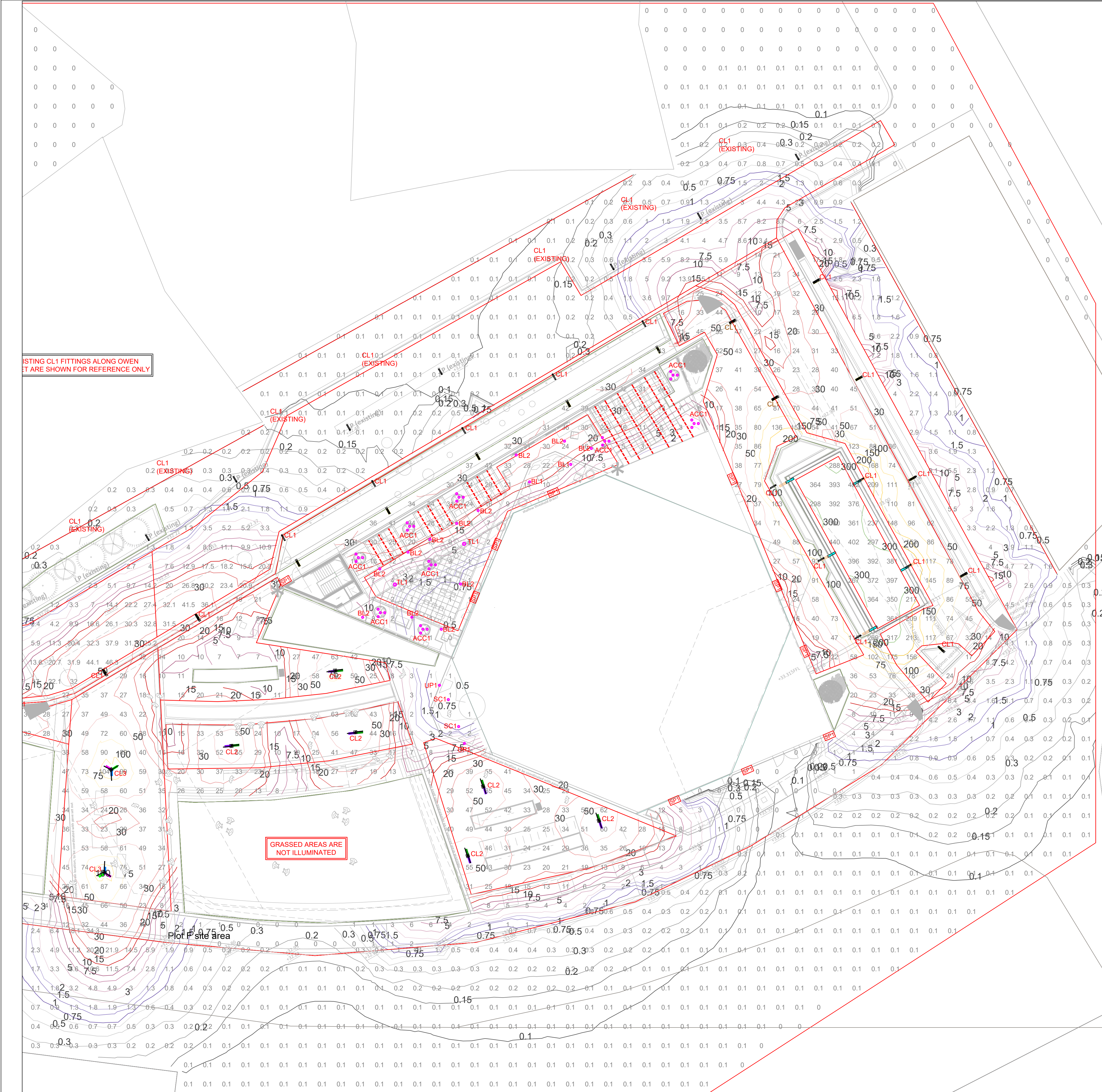
date: 19.03.2026

scale: 1:200 @ A1

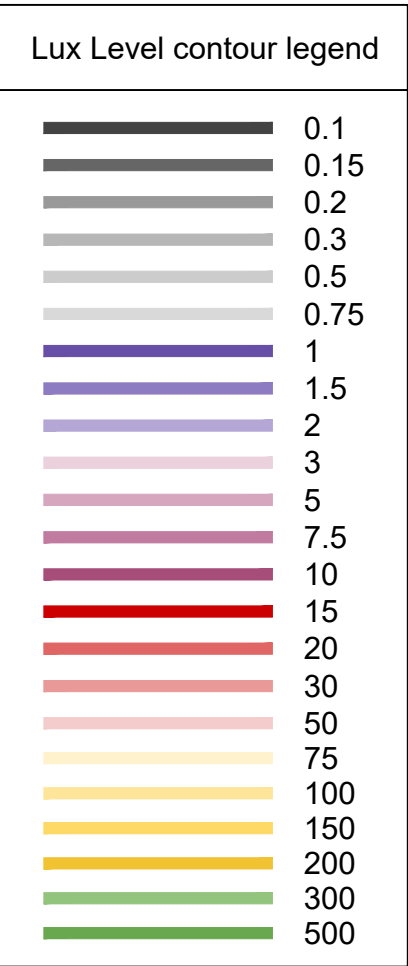
revision:

drawn by: M.H

checked by: K.L



Symbol	Quantity	Part Code	Symbol reference
	26	AL-URC-S20-T3A	ICL1
	10	AL-URC-S10-T3A	ICL2-1
	10	AL-URC-S20-T3A	ICL2-2
	2	AL-URC-S10-T3A	ICL3-1
	2	AL-URC-S20-T3A	ICL3-2
	2	AL-URC-S30-T3A	ICL3-3
	5	AL-URC-S60-T3A	ICL4-1
	5	URC-M120-T3A-32 (5050 30K RA70 T3A)	ICL4-2



Experts in display lighting and commercial lighting solutions

T: 0161 494 2118

W: www.auraled.co.uk

E: sales@auraled.co.uk

project: Plot F2, Great Jackson Street Manchester

drawing title: Proposed external lighting arrangement overall site + lightspill lux levels

client: RMN Electrical

file name: Gt Jackson ST LTG_00B plan 260319.dwg

dwg no: E-XX-F2-A1

date: 19.03.2026

scale: 1:200 @ A1

revision:

drawn by: M.H

checked by: K.L



Section 9 – External Lighting Calculations

Plot F, Great Jackson Street, Manchester

Installation : proposed external lighting

Project number :
Customer :
Processed by : MDUK
Date : 13.03.2026

Project description:

- Calculation based on standard reflectances - Ceiling 0.7, Walls 0.5 and Floor 0.2.
- Room/exterior area dimensions and floor to ceiling/mounting heights issued from customer. The enclosed lighting calculations have been generated using third party drawings/plans/dimensions and AurLED UK Limited can accept no responsibility for the accuracy of the information issued by others in order to complete the enclosed.
- PLEASE NOTE: IT IS THE RESONSIBILITY OF THE CONTRACTOR/INSTALLER TO CHECK ALL ROOM/EXTERIOR AREA DIMENSIONS ON-SITE PRIOR TO INSTALLATION. IF IN DOUBT, ASK.
- Lighting designed to CIBSE guidelines where applicable and/or client requirements, all stated lux values are for overall averages across the room reference plane.

Lighting study to establish lux levels and lightspill beyond site boundaries.

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

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



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1 Luminaire data

1.1 AuraLED Ltd, AL-URC-S20-T3A (!CL1)

1.1.1 Data sheet

Manufacturer: AuraLED Ltd

!CL1 AL-URC-S20-T3A

Luminaire data

Luminaire efficiency

Luminaire efficacy

Classification

CIE Flux Codes

UGR 4H 8H

Power

Luminous flux

: 100%

: 150 lm/W

: A30 ↓99.6% ↑0.4%

: 38 76 99 100 100

: 30.7 / 17.7

: 20 W

: 2999.6 lm

Equipped with

Quantity

Designation

Colour

Luminous flux

: 1

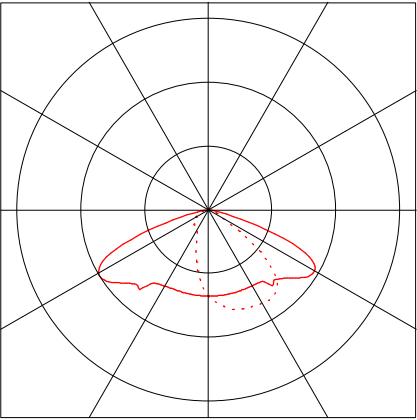
: 3000K

: 3000K

: 3000 lm

Dimensions

: 700 mm x 200 mm x 100 mm



1

Luminaire data

1.2

AuraLED Ltd, AL-URC-S10-T3A (!CL2-1)

1.2.1

Data sheet

Manufacturer: AuraLED Ltd

!CL2-1

AL-URC-S10-T3A

Luminaire data

Luminaire efficiency

Luminaire efficacy

Classification

CIE Flux Codes

UGR 4H 8H

Power

Luminous flux

: 100%

: 150 lm/W

: A30 ↓99.6% ↑0.4%

: 38 76 99 100 100

: 28.3 / 15.3

: 10 W

: 1499.8 lm

Equipped with

Quantity

Designation

Colour

Luminous flux

: 1

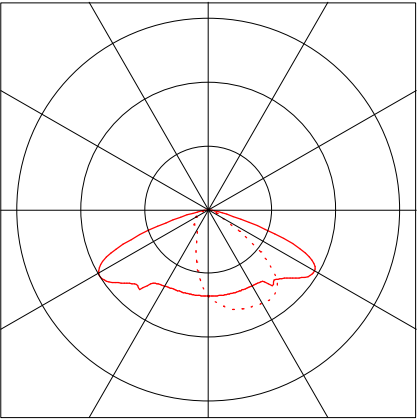
: 5050 40K RA70 T3A L

: 3000K

: 1500 lm

Dimensions

: 700 mm x 200 mm x 100 mm



1

Luminaire data

1.3

AuraLED Ltd, AL-URC-S20-T3A (!CL2-2)

1.3.1

Data sheet

Manufacturer: AuraLED Ltd

!CL2-2

AL-URC-S20-T3A

Luminaire data

Luminaire efficiency

Luminaire efficacy

Classification

CIE Flux Codes

UGR 4H 8H

Power

Luminous flux

: 100%

: 150 lm/W

: A30 ↓99.6% ↑0.4%

: 38 76 99 100 100

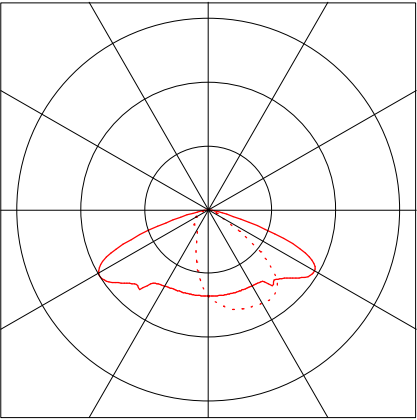
: 30.7 / 17.7

: 20 W

: 2999.6 lm

Dimensions

: 700 mm x 200 mm x 100 mm



Equipped with

Quantity

Designation

Colour

Luminous flux

: 1

: 5050 40K RA70 T3A L

: 3000K

: 3000 lm

1 Luminaire data

1.4 AuraLED Ltd, AL-URC-S10-T3A (!CL3-1)

1.4.1 Data sheet

Manufacturer: AuraLED Ltd

!CL3-1 AL-URC-S10-T3A

Luminaire data

Luminaire efficiency

Luminaire efficacy

Classification

CIE Flux Codes

UGR 4H 8H

Power

Luminous flux

: 100%

: 150 lm/W

: A30 ↓99.6% ↑0.4%

: 38 76 99 100 100

: 28.3 / 15.3

: 10 W

: 1499.8 lm

Equipped with

Quantity

Designation

Colour

Luminous flux

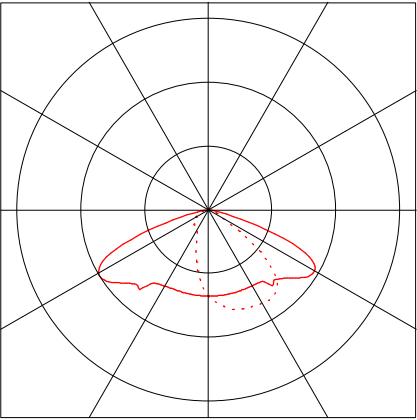
: 1

: 5050 40K RA70 T3A L

: 3000K

: 1500 lm

Dimensions : 700 mm x 200 mm x 100 mm



1 Luminaire data

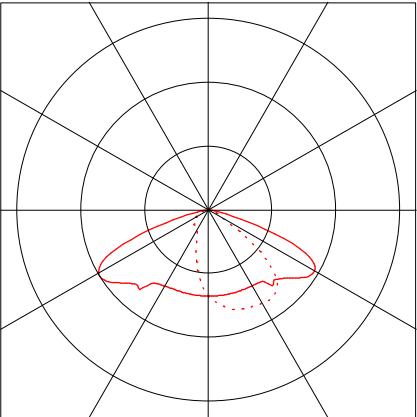
1.5 AuraLED Ltd, AL-URC-S20-T3A (!CL3-2)

1.5.1 Data sheet

Manufacturer: AuraLED Ltd

!CL3-2 AL-URC-S20-T3A

Luminaire data		Equipped with	
Luminaire efficiency	: 100%	Quantity	: 1
Luminaire efficacy	: 150 lm/W	Designation	: 5050 40K RA70 T3A L
Classification	: A30 ↓99.6% ↑0.4%	Colour	: 3000K
CIE Flux Codes	: 38 76 99 100 100	Luminous flux	: 3000 lm
UGR 4H 8H	: 30.7 / 17.7		
Power	: 20 W		
Luminous flux	: 2999.6 lm		
Dimensions			
: 700 mm x 200 mm x 100 mm			



1 Luminaire data

1.6 AuraLED Ltd, AL-URC-S30-T3A (!CL3-3)

1.6.1 Data sheet

Manufacturer: AuraLED Ltd

!CL3-3 AL-URC-S30-T3A

Luminaire data

Luminaire efficiency

Luminaire efficacy

Classification

CIE Flux Codes

UGR 4H 8H

Power

Luminous flux

: 100%

: 150 lm/W

: A30 ↓99.6% ↑0.4%

: 38 76 99 100 100

: 32.1 / 19.1

: 30 W

: 4499.4 lm

Equipped with

Quantity

Designation

Colour

Luminous flux

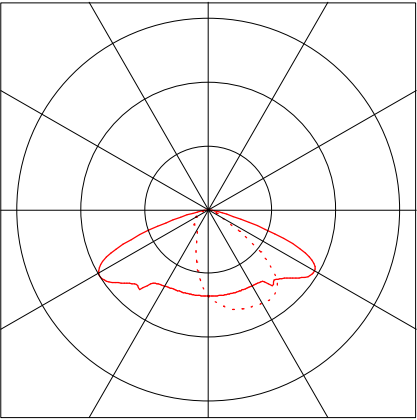
: 1

: 5050 40K RA70 T3A L

: 3000K

: 4500 lm

Dimensions : 700 mm x 200 mm x 100 mm



1 Luminaire data

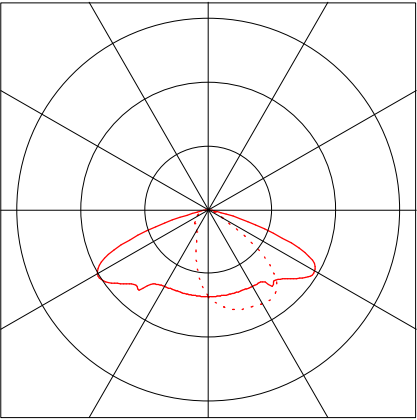
1.7 AuraLED, URC-M120-T3A-32(5050 30K RA70 T3A) (!CL4-2)

1.7.1 Data sheet

Manufacturer: AuraLED

!CL4-2 URC-M120-T3A-32(5050 30K RA70 T3A)

Luminaire data		Equipped with	
Luminaire efficiency	: 100%	Quantity	: 1
Luminaire efficacy	: 128.7 lm/W	Designation	: 5050 30K RA70 T3A
Classification	: A30 ↓99.7% ↑0.3%	Colour	: 3000K
CIE Flux Codes	: 38 77 99 100 100	Luminous flux	: 15290 lm
UGR 4H 8H	: 38.0 / 25.1	Colour reproduction	: 70
Power	: 118.8 W		
Luminous flux	: 15285.6 lm		
Dimensions			
: 900 mm x 200 mm x 100 mm			



1

Luminaire data

1.8

AuraLED Ltd, AL-URC-S60-T3A (!CL4-1)

1.8.1

Data sheet

Manufacturer: AuraLED Ltd

!CL4-1

AL-URC-S60-T3A

Luminaire data

Luminaire efficiency

Luminaire efficacy

Classification

CIE Flux Codes

UGR 4H 8H

Power

Luminous flux

: 100%

: 150 lm/W

: A30 ↓99.6% ↑0.4%

: 38 76 99 100 100

: 30.7 / 17.7

: 20 W

: 2999.6 lm

Equipped with

Quantity

Designation

Colour

Luminous flux

: 1

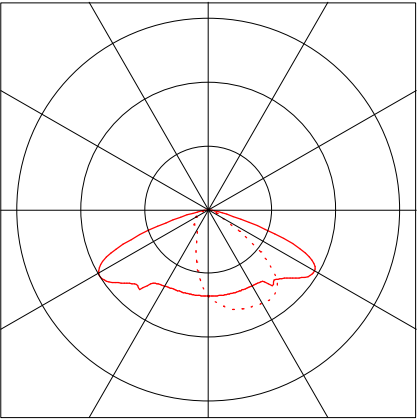
: 5050 40K RA70 T3A L

: 3000K

: 3000 lm

Dimensions

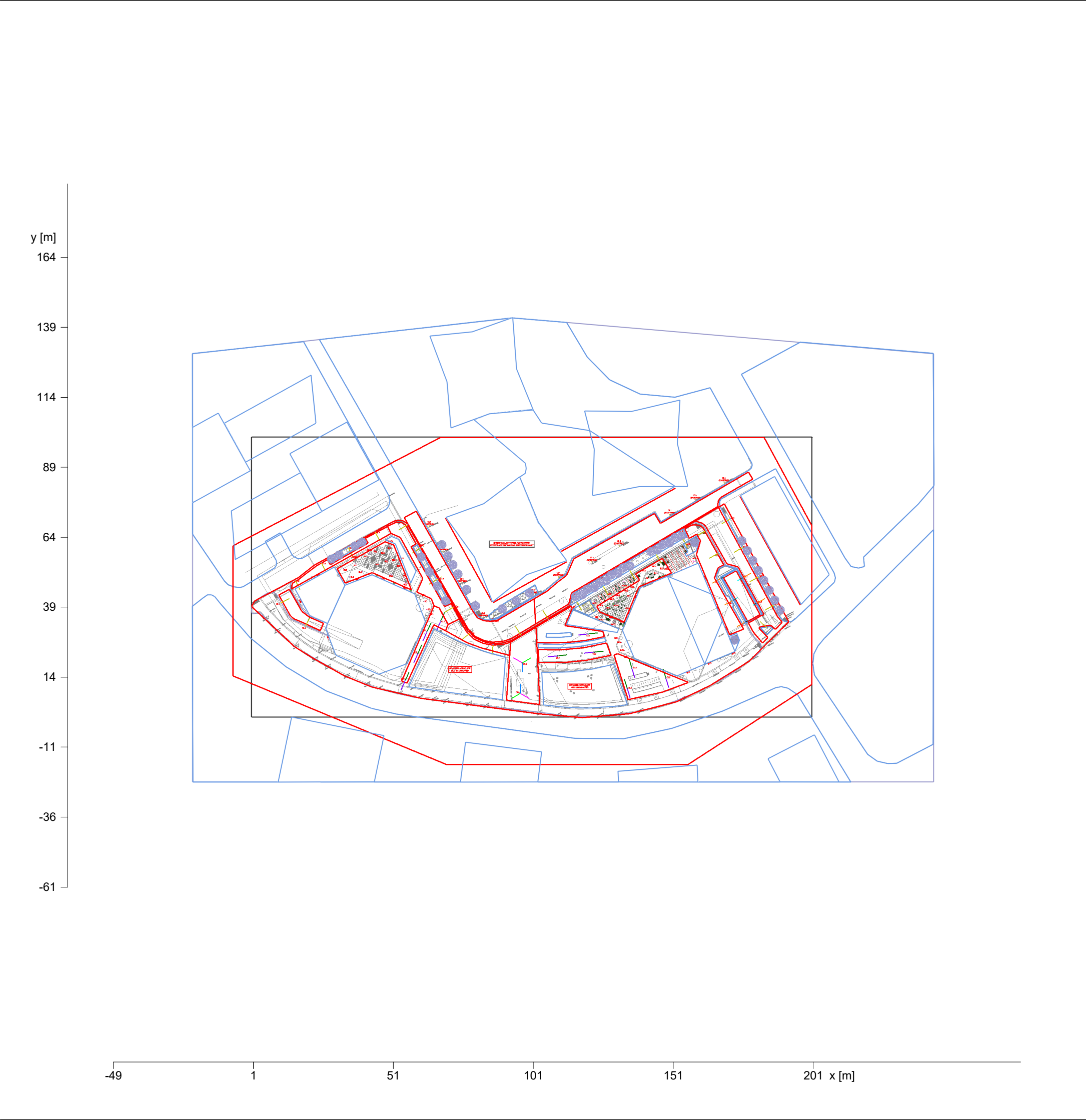
: 700 mm x 200 mm x 100 mm



2 All fittings

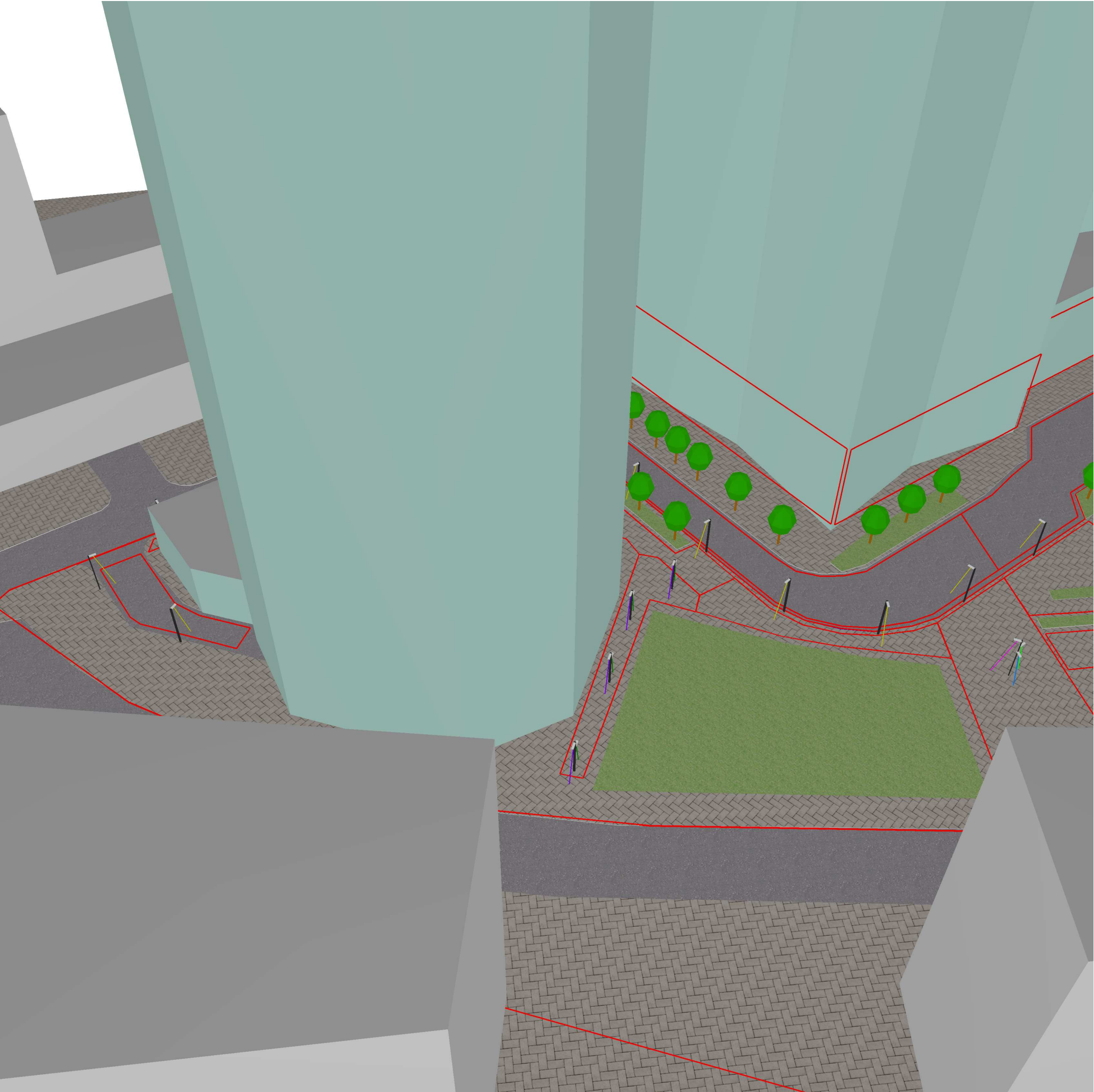
2.1 Description, All fittings

2.1.1 Floor plan



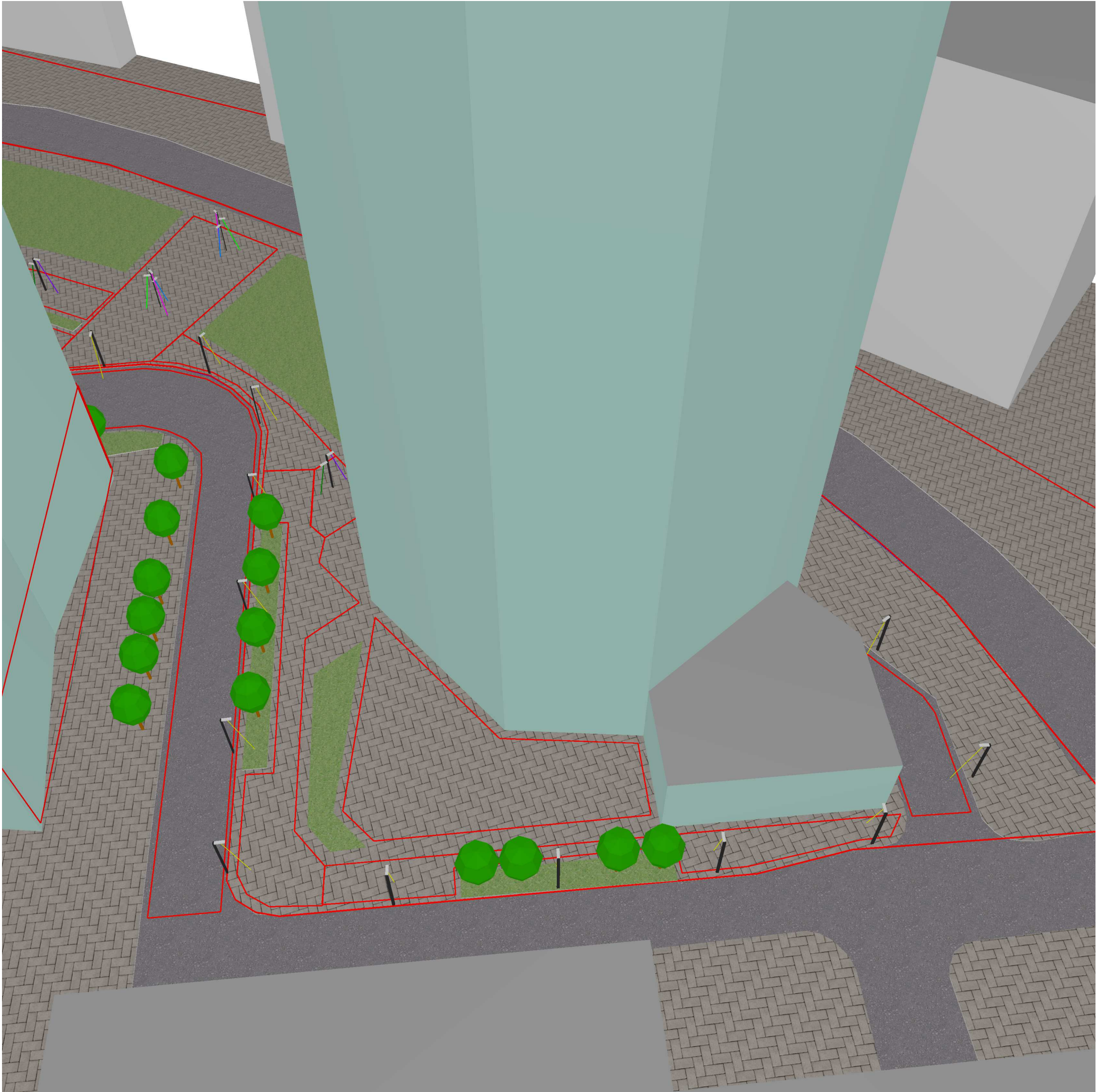
2.1 Description, All fittings

2.1.2 3D view, View 1



2.1 Description, All fittings

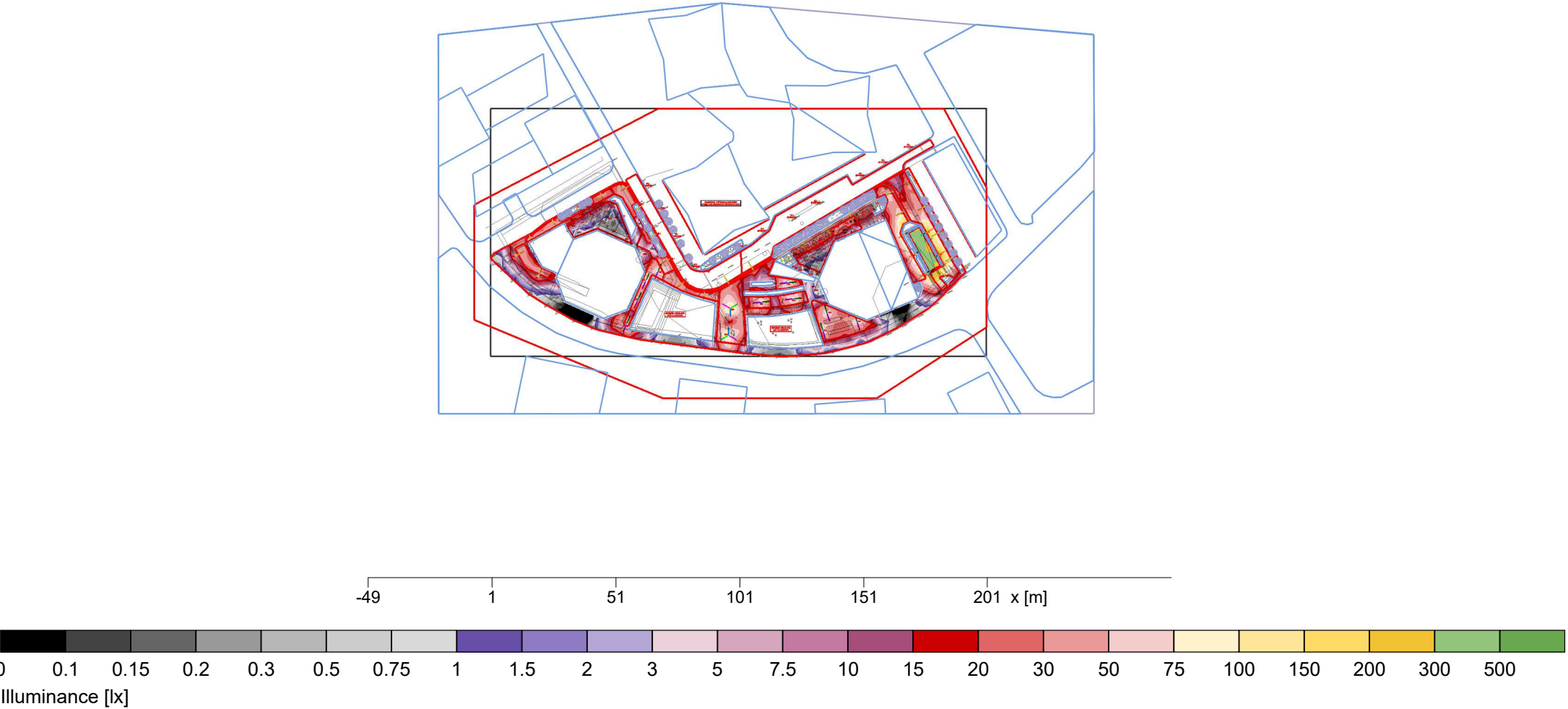
2.1.3 3D view, View 2



2 All fittings

2.2 Summary, All fittings

2.2.1 Result overview, Plot F site area



General	
Calculation algorithm used	Average indirect fraction with light colours
Position	8.00 m
Maintenance factor	0.90
Total lamp luminous flux	232450.00 lm
Luminaire luminous flux	232408.44 lm
Total power	1634.0 W
Total power per area (7849.28 m²)	0.21 W/m² (0.61 W/m²/100lx)

Plot F site area	Plot F site area
Horizontal	Horizontal
Em	33.9 lx
Emin	0 lx
Emin/Em (Uo)	0.00
Emin/Emax (Ud)	0.00
Position	0.00 m

Type No.\Make

		AuraLED Ltd	
1	26 x	Order No.	: ICL1
		Luminaire name	: AL-URC-S20-T3A
		Equipment	: 1 x 3000K 20 W / 3000 lm 3000K
2	10 x	Order No.	: ICL2-1
		Luminaire name	: AL-URC-S10-T3A
		Equipment	: 1 x 5050 40K RA70 T3A L 10 W / 1500 lm 3000K
3	10 x	Order No.	: ICL2-2
		Luminaire name	: AL-URC-S20-T3A
		Equipment	: 1 x 5050 40K RA70 T3A L 20 W / 3000 lm 3000K
4	2 x	Order No.	: ICL3-1
		Luminaire name	: AL-URC-S10-T3A
		Equipment	: 1 x 5050 40K RA70 T3A L 10 W / 1500 lm 3000K
5	2 x	Order No.	: ICL3-2
		Luminaire name	: AL-URC-S20-T3A
		Equipment	: 1 x 5050 40K RA70 T3A L 20 W / 3000 lm 3000K



2 All fittings

2.2 Summary, All fittings

2.2.1 Result overview, Plot F site area

6

2 x

Order No.

Luminaire name

Equipment

: ICL3-3

: AL-URC-S30-T3A

: 1 x 5050 40K RA70 T3A L 30 W / 4500 lm 3000K

8

5 x

Order No.

Luminaire name

Equipment

: ICL4-1

: AL-URC-S60-T3A

: 1 x 5050 40K RA70 T3A L 20 W / 3000 lm 3000K

7

5 x

AuraLED

Order No.

Luminaire name

Equipment

: ICL4-2

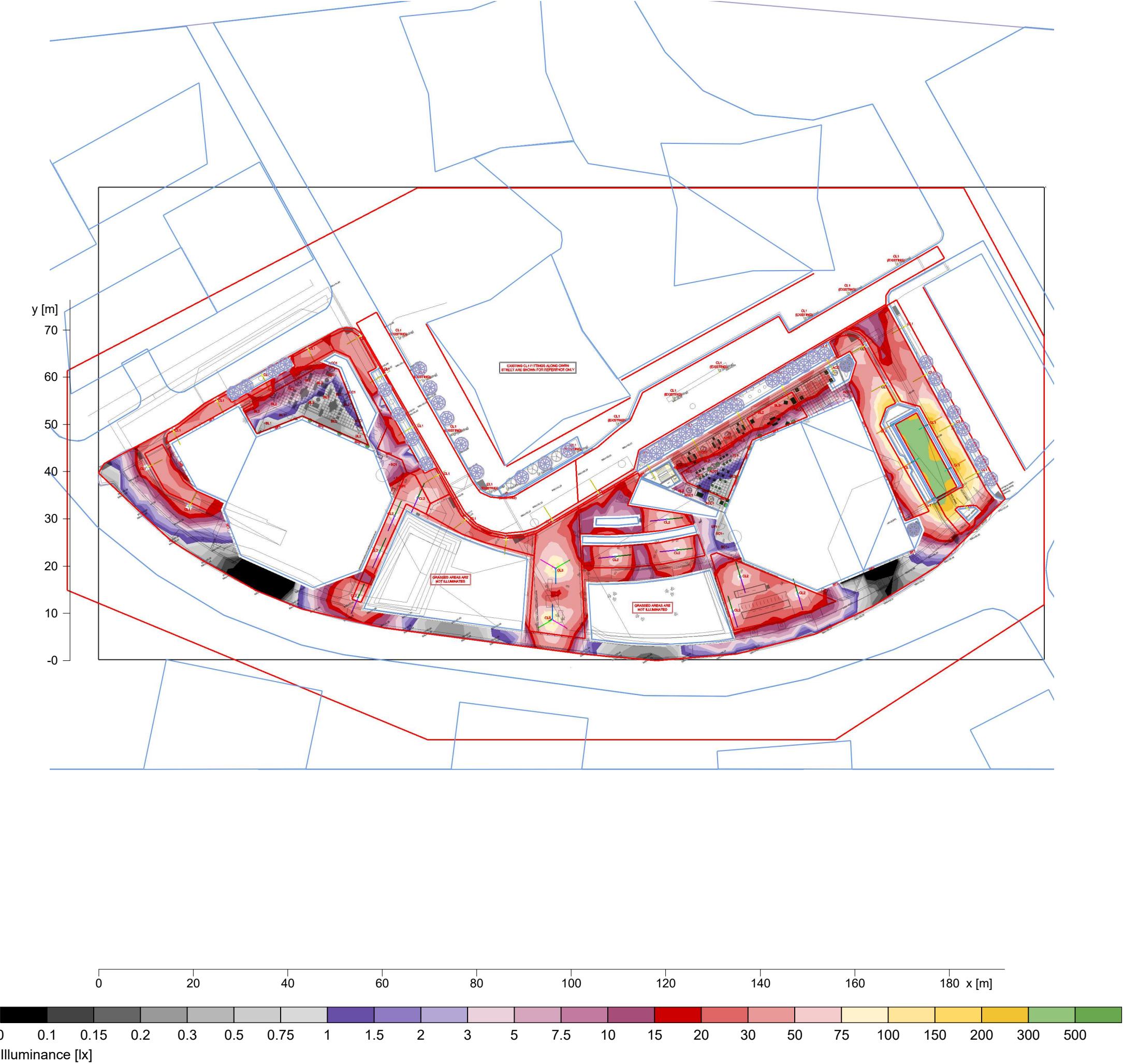
: URC-M120-T3A-32(5050 30K RA70 T3A)

: 1 x 5050 30K RA70 T3A 118.8 W / 15290 lm 3000K

2 All fittings

2.3 Calculation results, All fittings

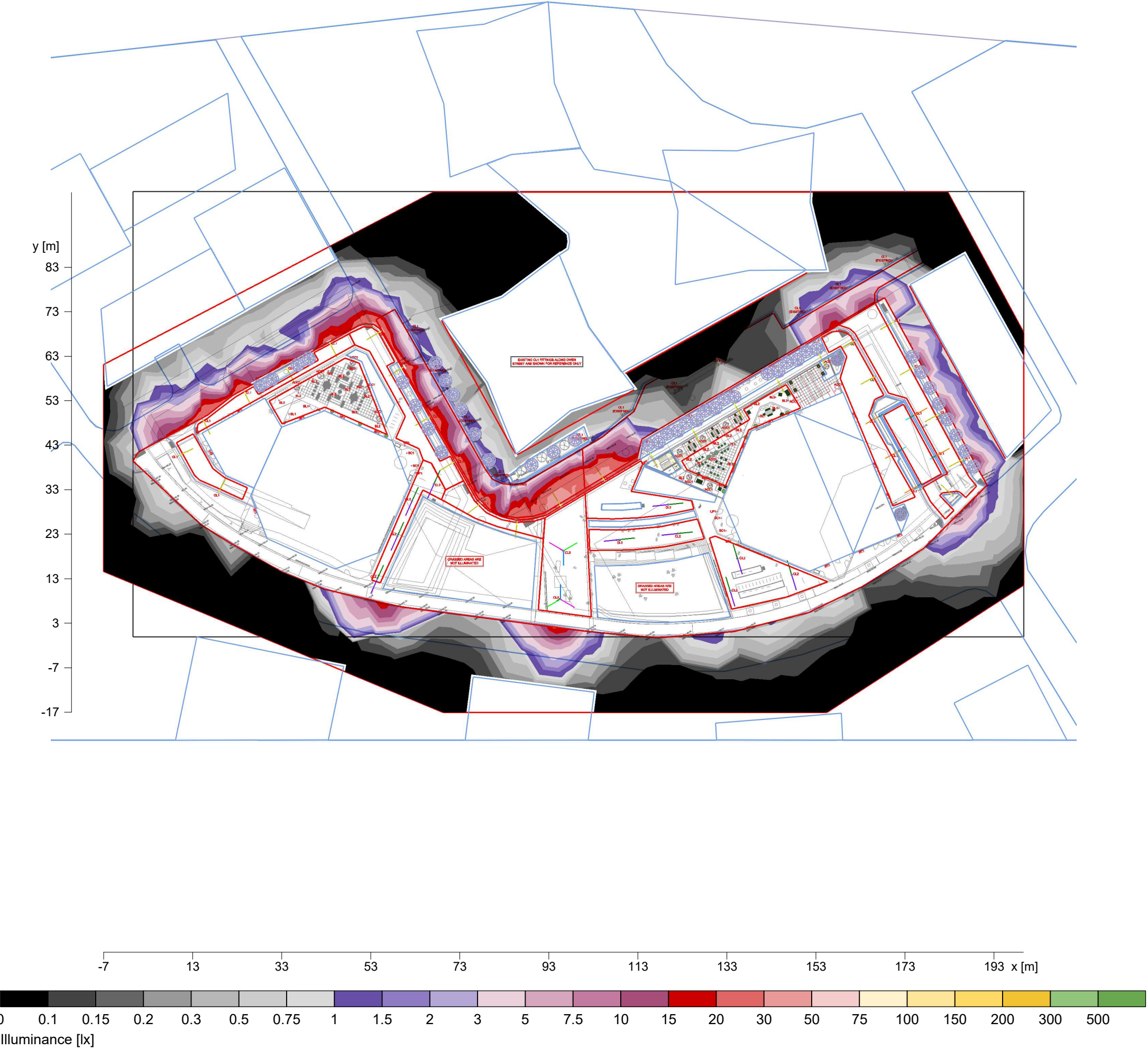
2.3.1 Pseudo colours, Plot F site area (E)



Height reference plane		: 8.00 m
Average illuminance	$\bar{E}_m$	: 34 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 409 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 3418.00 (0.00)

2.3 Calculation results, All fittings

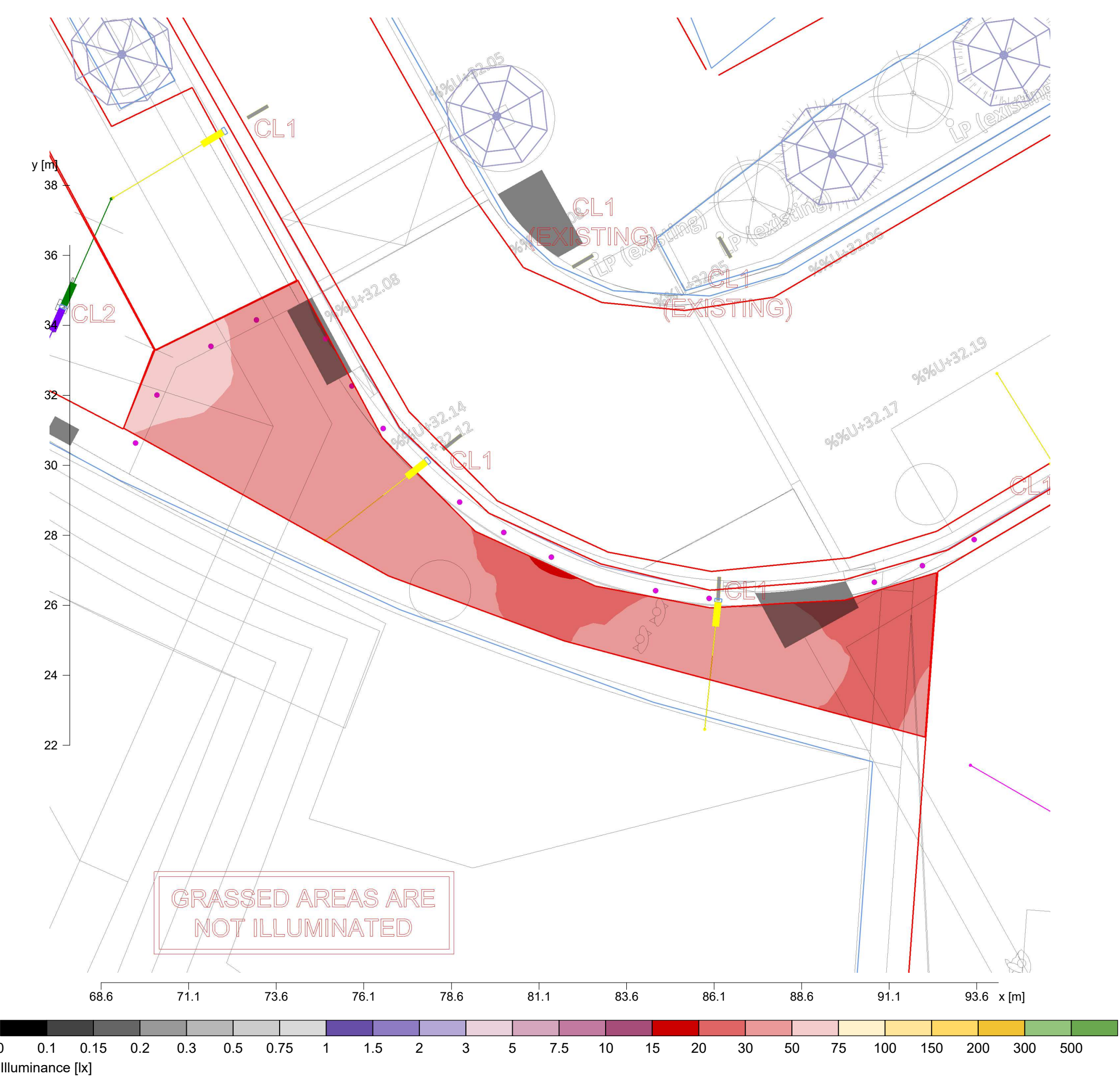
2.3.2 Pseudo colours, Lightspill beyond site boundary (E)



Height reference plane		: 8.05 m
Average illuminance	$\bar{E}_m$	: 1.8 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 30.8 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: ---

2.3 Calculation results, All fittings

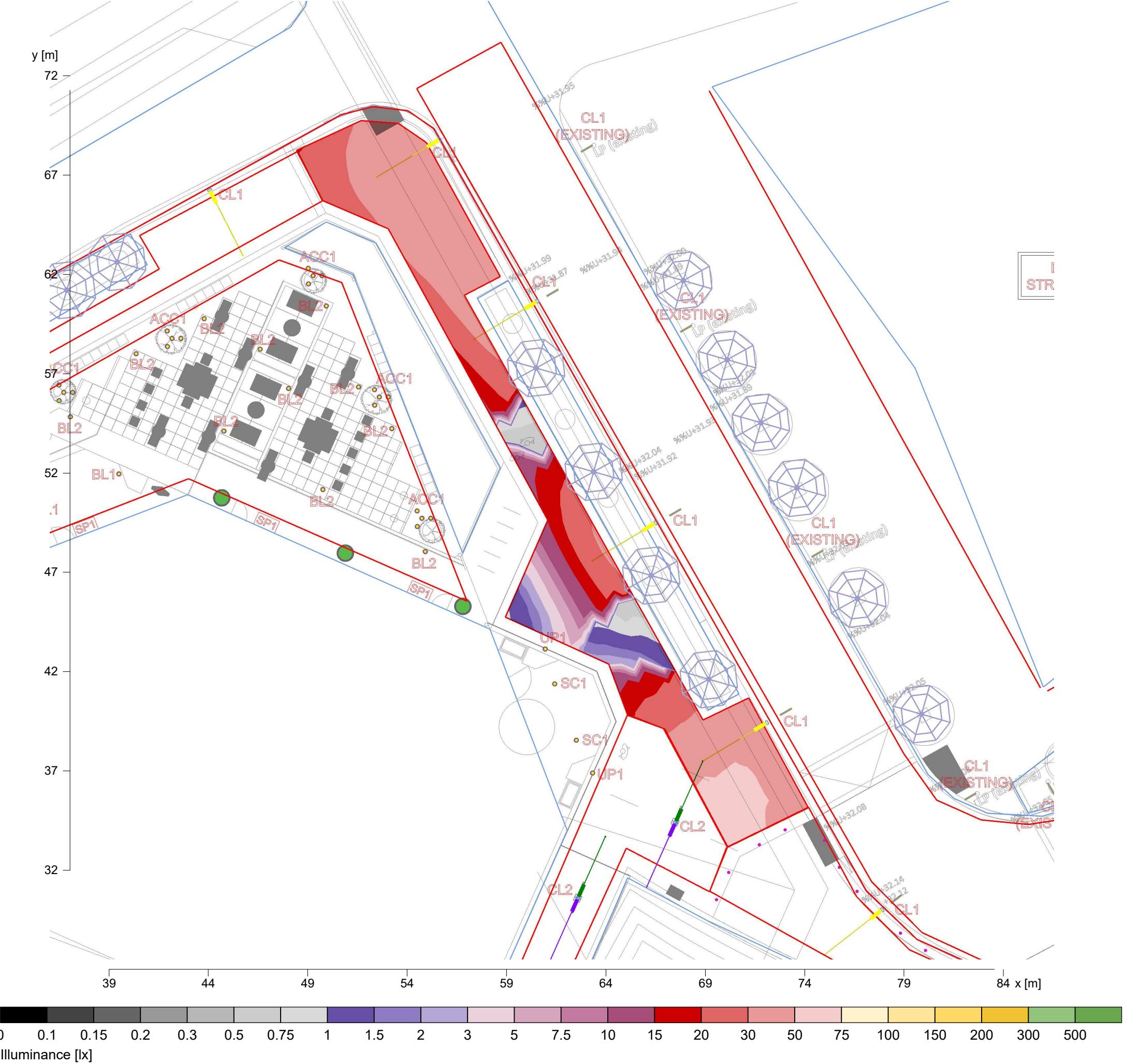
2.3.3 Pseudo colours, F1 - Footpath area 1 (E)



Height reference plane		: 8.00 m
Average illuminance	$\bar{E}_m$	: 37.6 lx
Minimum illuminance	E_{min}	: 19.5 lx
Maximum illuminance	E_{max}	: 60.4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.93 (0.52)

2.3 Calculation results, All fittings

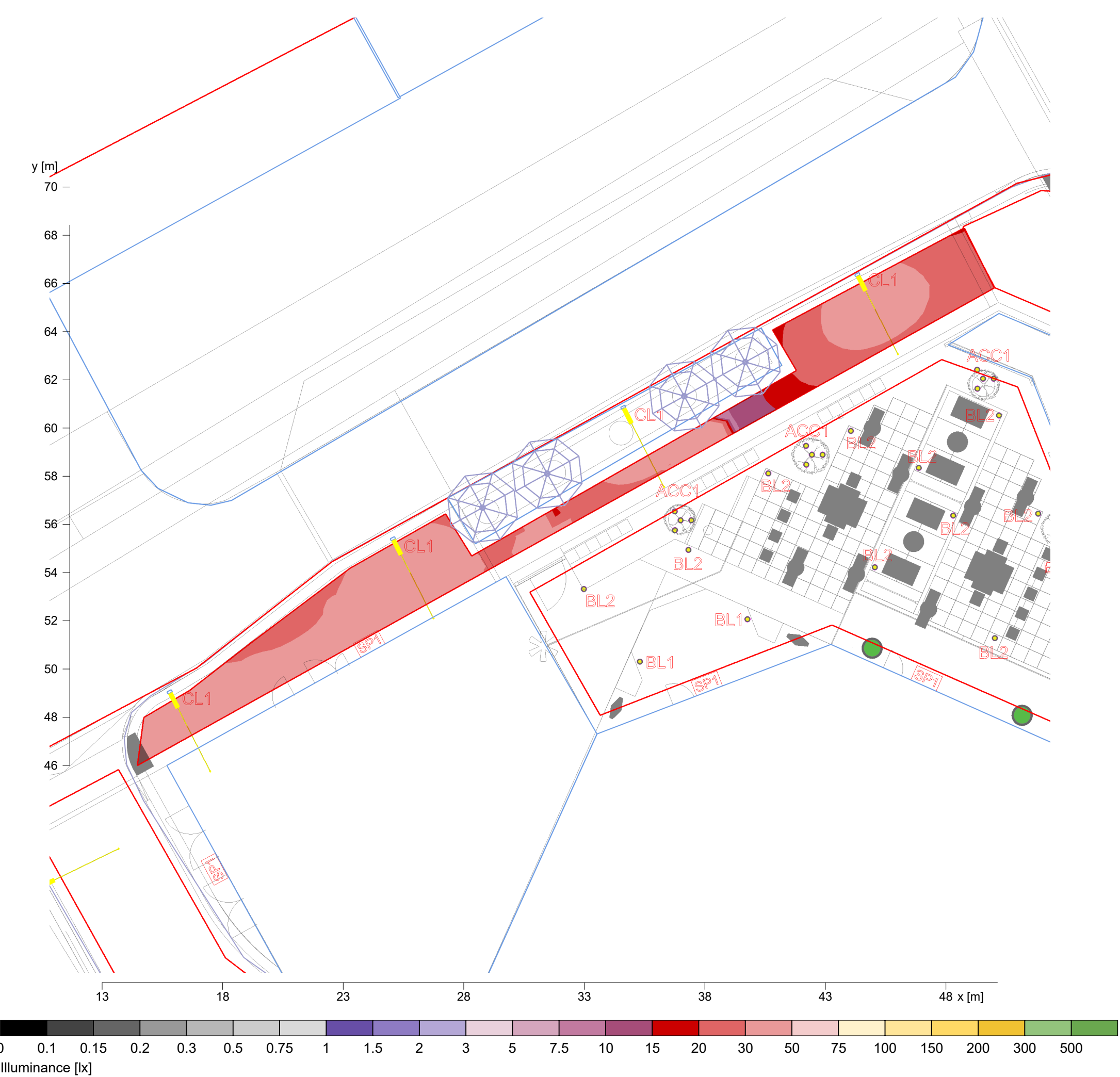
2.3.4 Pseudo colours, F1 - Footpath area 2 (E)



Height reference plane		: 8.00 m
Average illuminance	$\bar{E}_m$	: 27.6 lx
Minimum illuminance	E_{min}	: 0.5 lx
Maximum illuminance	E_{max}	: 61.7 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 51.30 (0.02)

2.3 Calculation results, All fittings

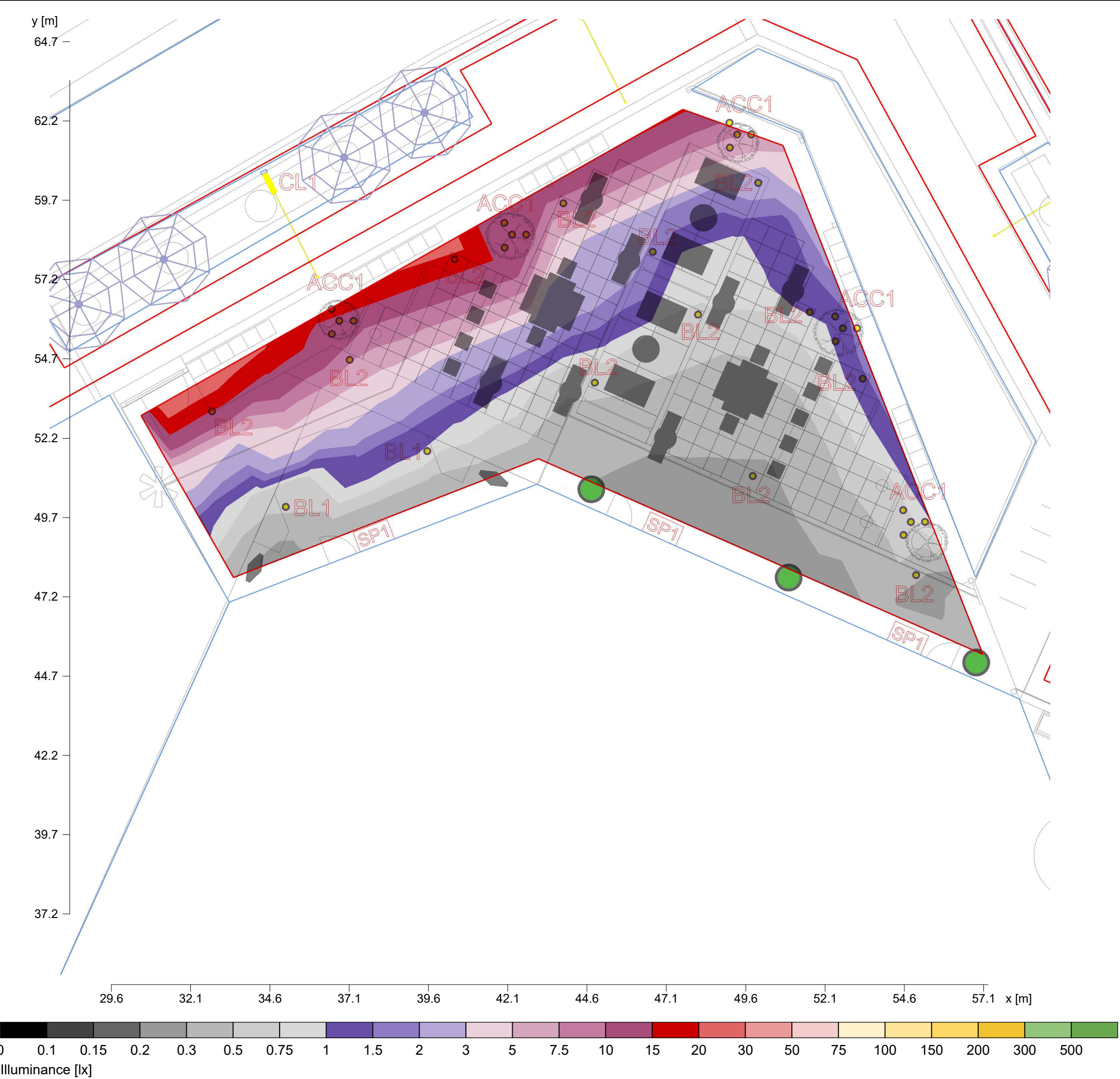
2.3.5 Pseudo colours, F1 - Footpath area 3 (E)



Height reference plane		: 8.00 m
Average illuminance	$\bar{E}_m$	: 32.4 lx
Minimum illuminance	E_{min}	: 10 lx
Maximum illuminance	E_{max}	: 48.2 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 3.25 (0.31)

2.3 Calculation results, All fittings

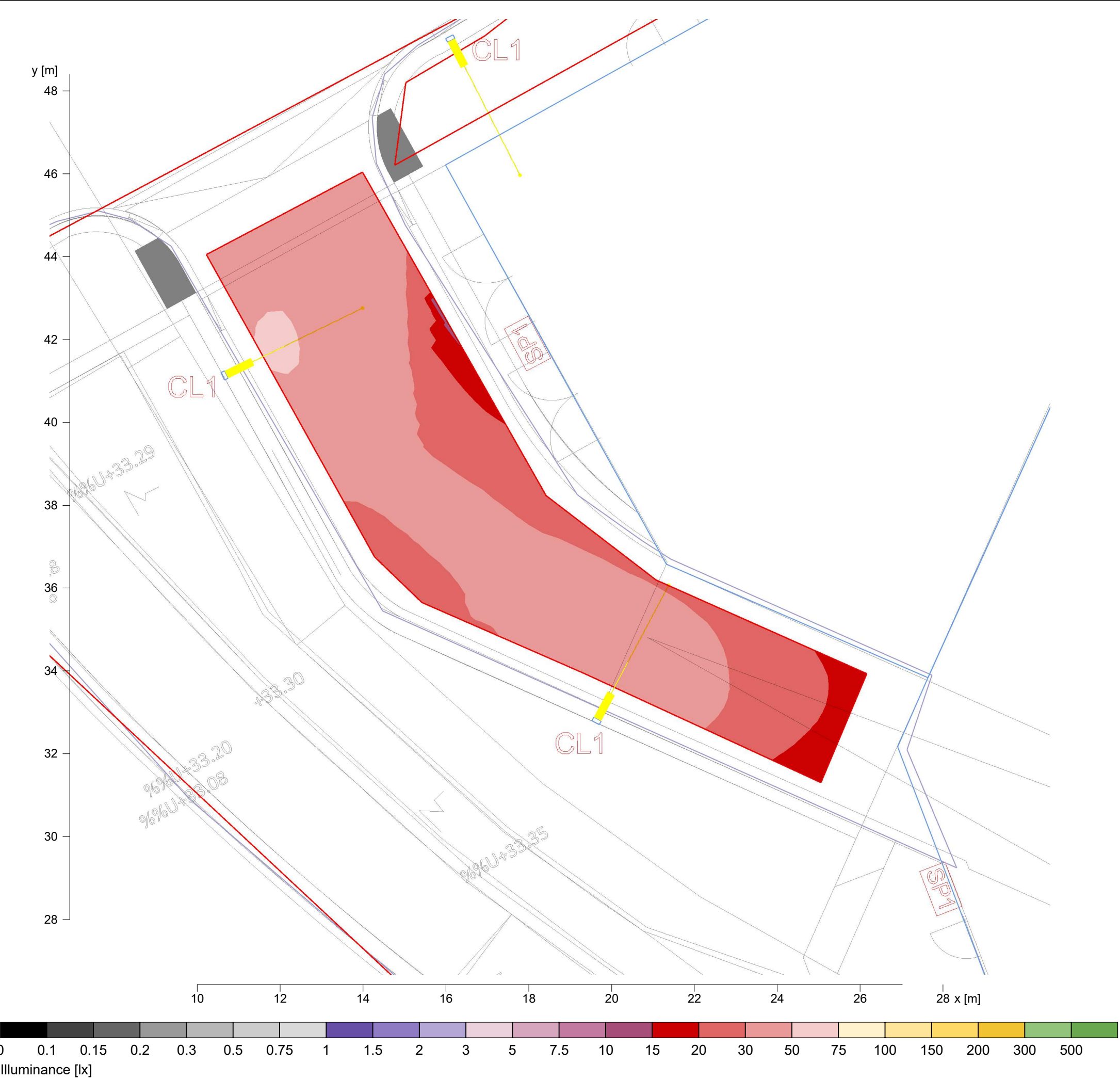
2.3.6 Pseudo colours, F1 - Terrace Area (E)



Height reference plane		: 8.00 m
Average illuminance	$\bar{E}_m$	: 3.1 lx
Minimum illuminance	E_{min}	: 0.2 lx
Maximum illuminance	E_{max}	: 22.6 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 14.73 (0.07)

2.3 Calculation results, All fittings

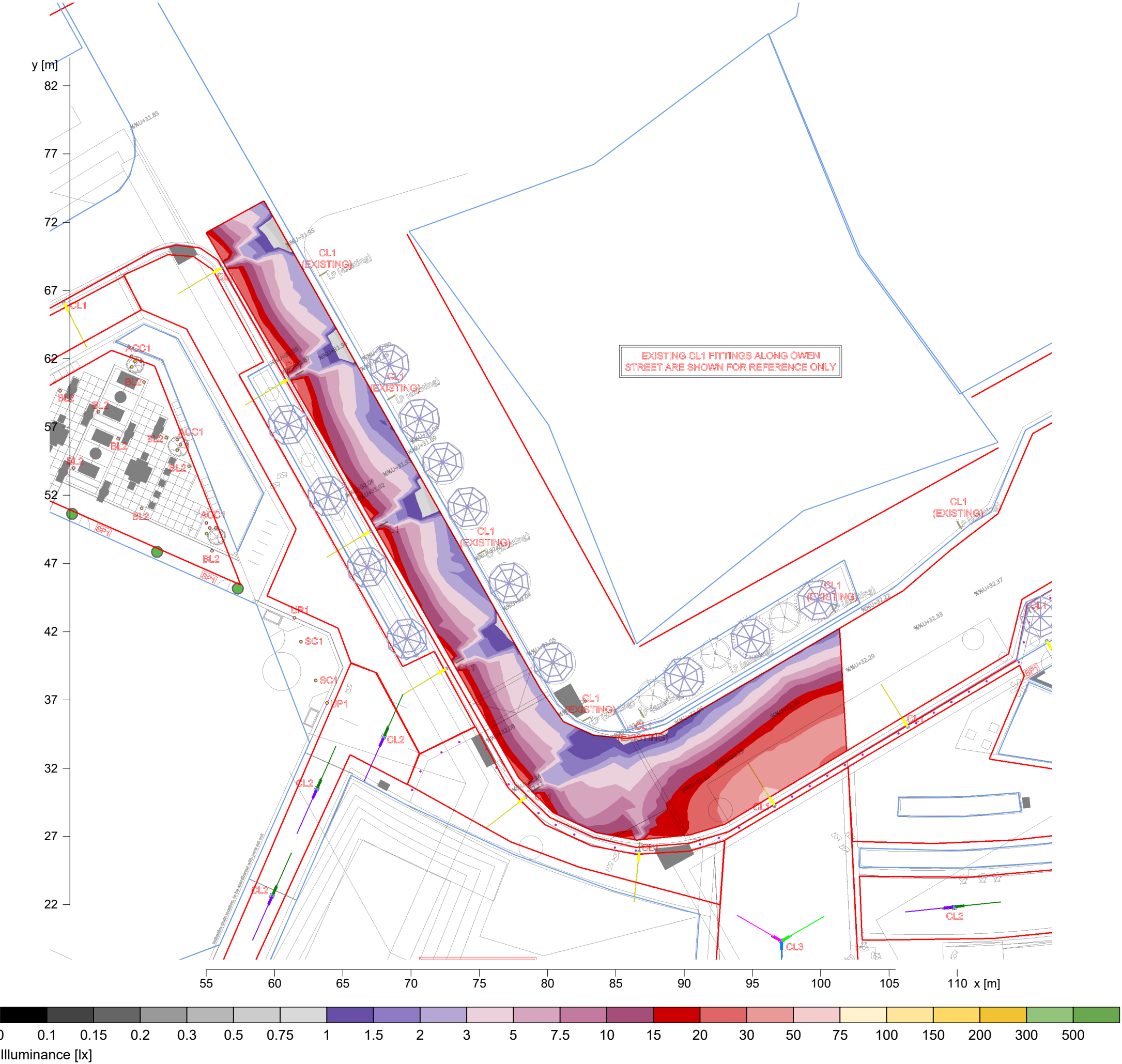
2.3.7 Pseudo colours, F1 - Access Ramp (E)



Height reference plane		: 8.00 m
Average illuminance	$\bar{E}_m$	: 33.3 lx
Minimum illuminance	E_{min}	: 14 lx
Maximum illuminance	E_{max}	: 51.4 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.38 (0.42)

2.3 Calculation results, All fittings

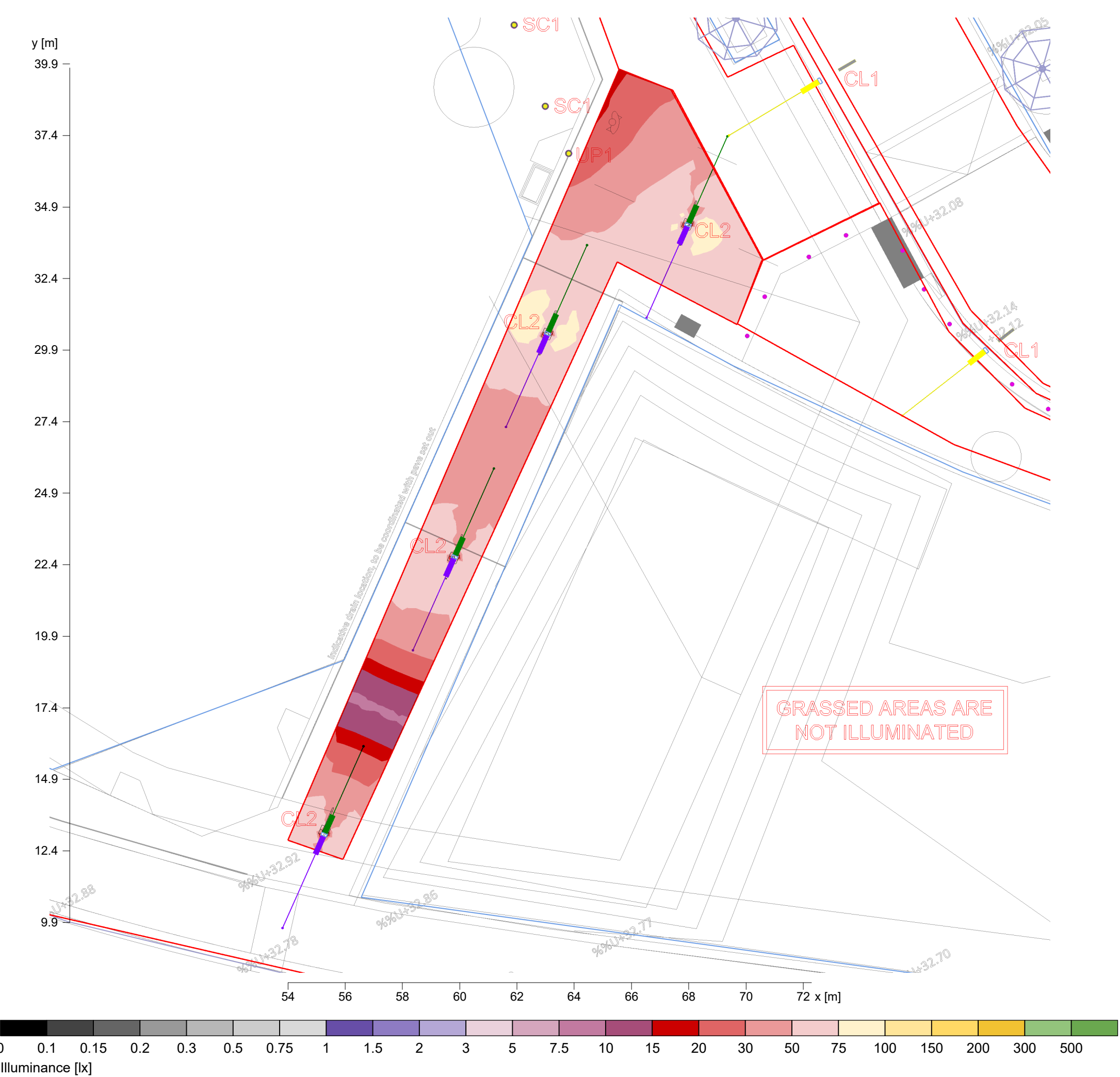
2.3.8 Pseudo colours, F1 - Street (E)



Height reference plane		: 8.00 m
Average illuminance	$\bar{E}_m$	: 10.5 lx
Minimum illuminance	E_{min}	: 0.4 lx
Maximum illuminance	E_{max}	: 52.2 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 25.79 (0.04)

2.3 Calculation results, All fittings

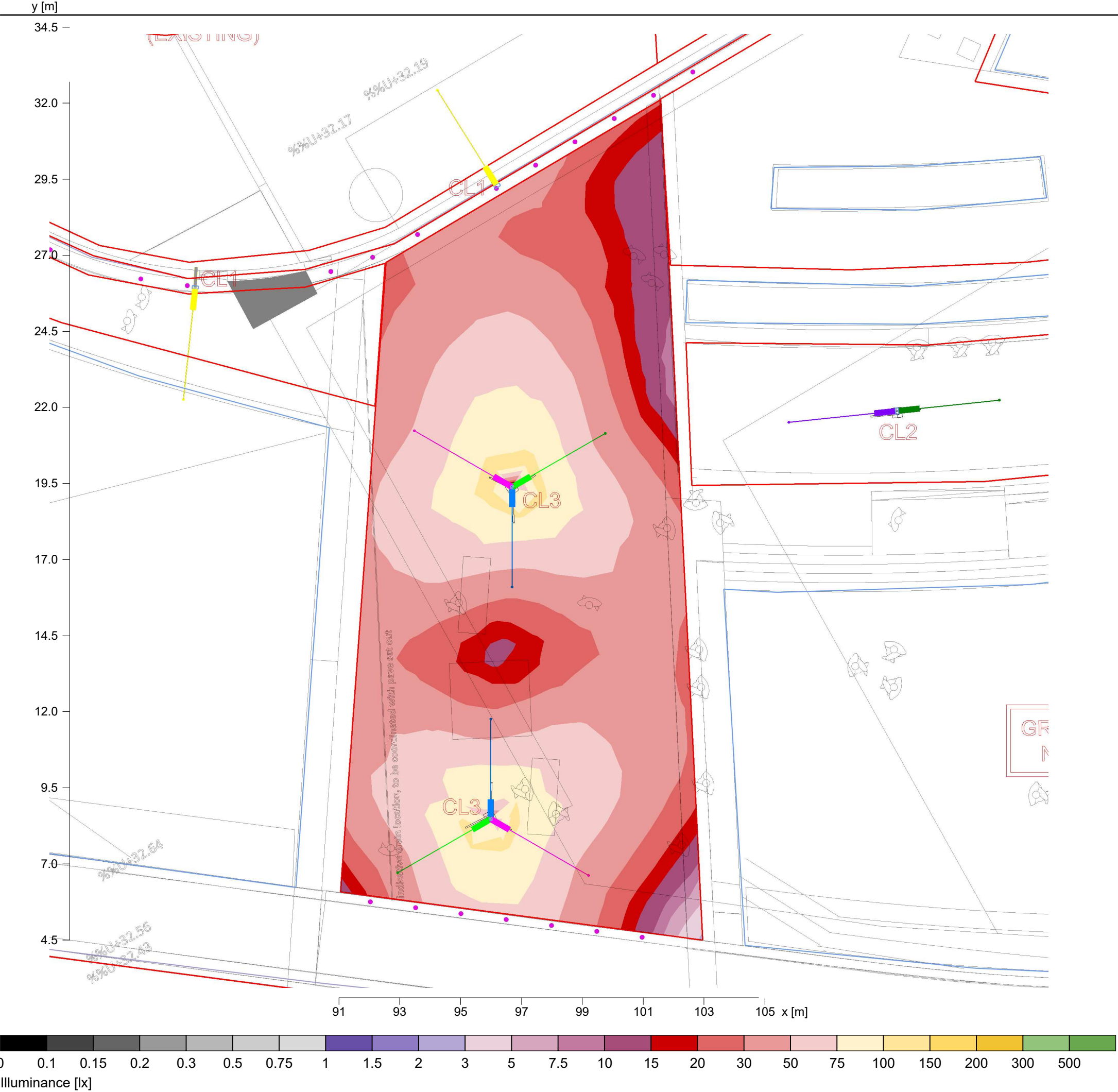
2.3.9 Pseudo colours, F1 - CL2 - footpath area 1 (E)



Height reference plane	: 8.00 m
Average illuminance	$\bar{E}_m$: 47.6 lx
Minimum illuminance	E_{min} : 9.8 lx
Maximum illuminance	E_{max} : 84.2 lx
Uniformity U_o	$E_{min}/\bar{E}_m$: 1 : 4.84 (0.21)

2.3 Calculation results, All fittings

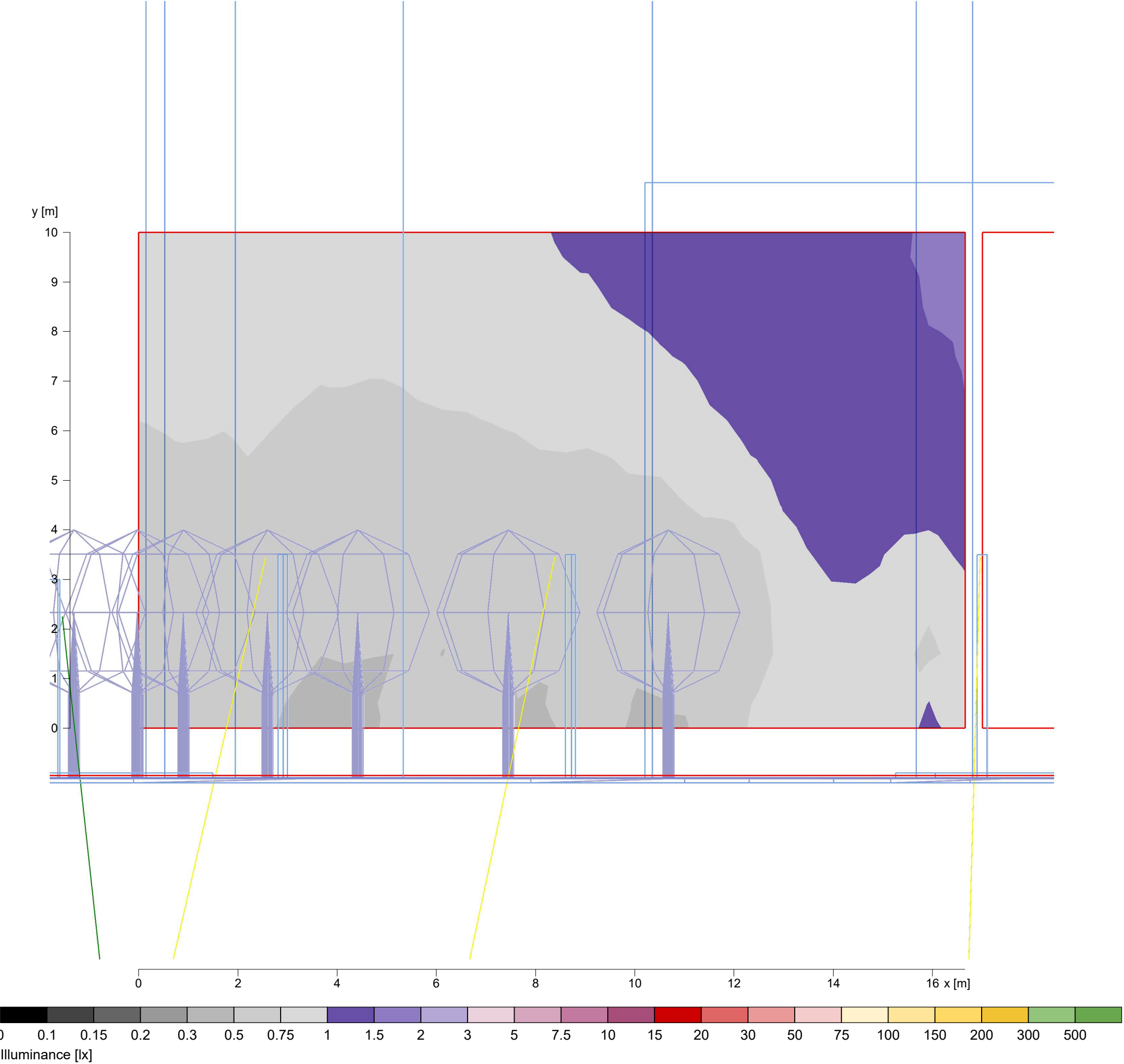
2.3.10 Pseudo colours, F1 - CL3 footpath area 1 (E)



Height reference plane		: 8.00 m
Average illuminance	$\bar{E}_m$	: 45 lx
Minimum illuminance	E_{min}	: 5 lx
Maximum illuminance	E_{max}	: 105 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 9.14 (0.11)

2.3 Calculation results, All fittings

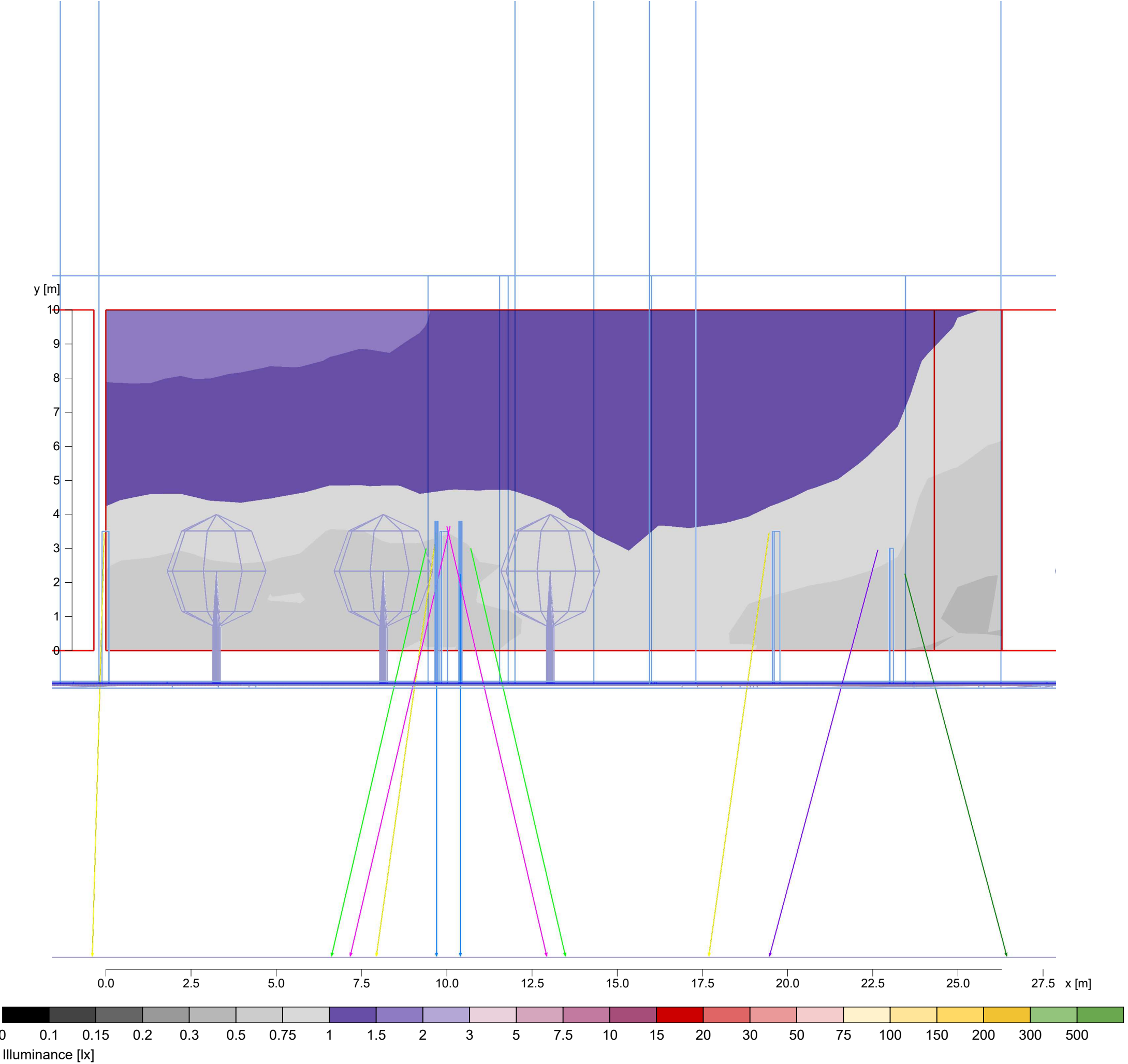
2.3.11 Pseudo colours, Deansgate tower lower 3 floors - area 1 (E)



Average illuminance	$\bar{E}_m$	: 0.83 lx
Minimum illuminance	E_{min}	: 0.45 lx
Maximum illuminance	E_{max}	: 1.53 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 1.84 (0.54)

2.3 Calculation results, All fittings

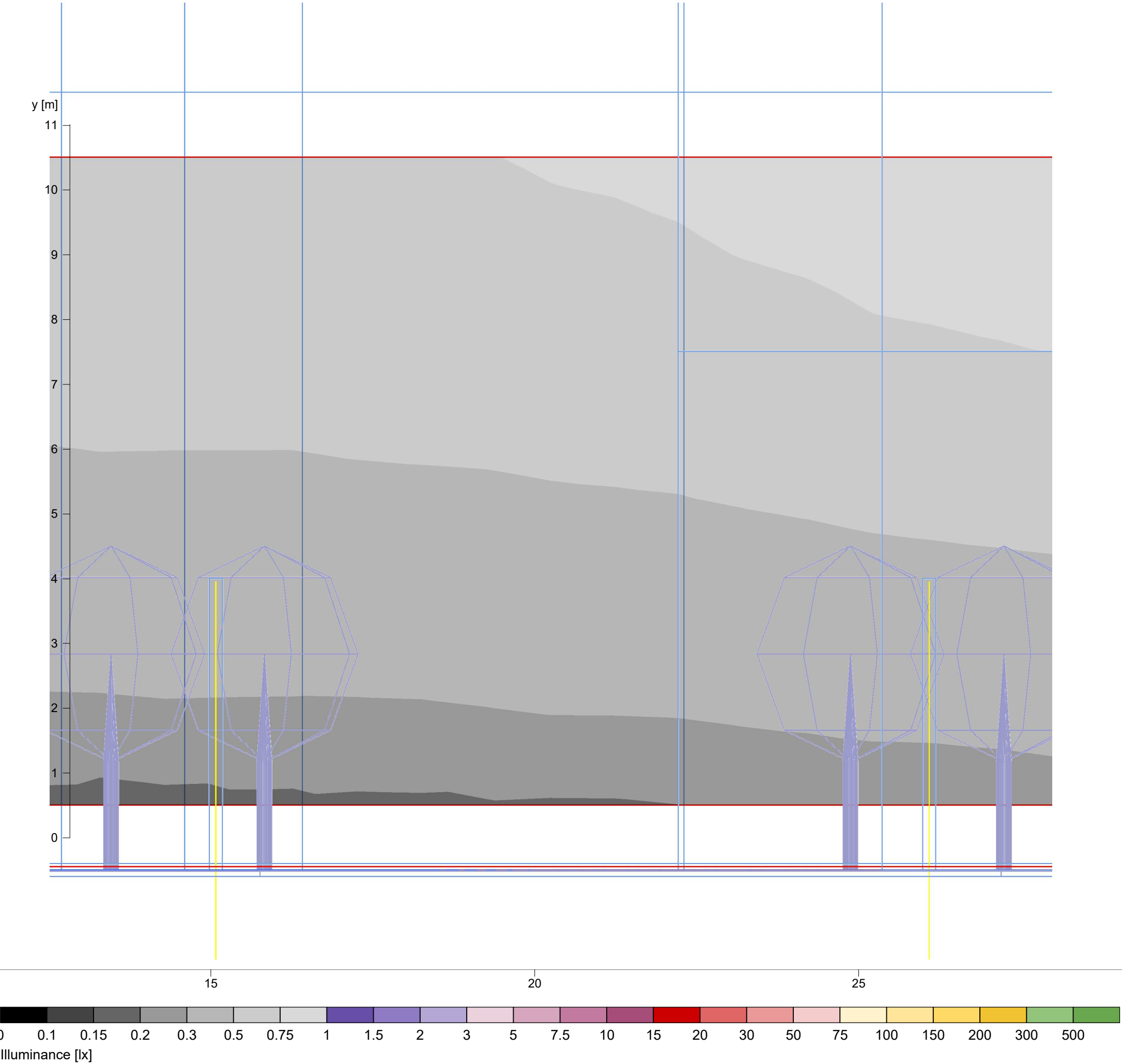
2.3.12 Pseudo colours, Deansgate tower lower 3 floors - area 2 (E)



Average illuminance	$\bar{E}_m$	: 1.03 lx
Minimum illuminance	E_{min}	: 0.44 lx
Maximum illuminance	E_{max}	: 1.56 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 2.37 (0.42)

2.3 Calculation results, All fittings

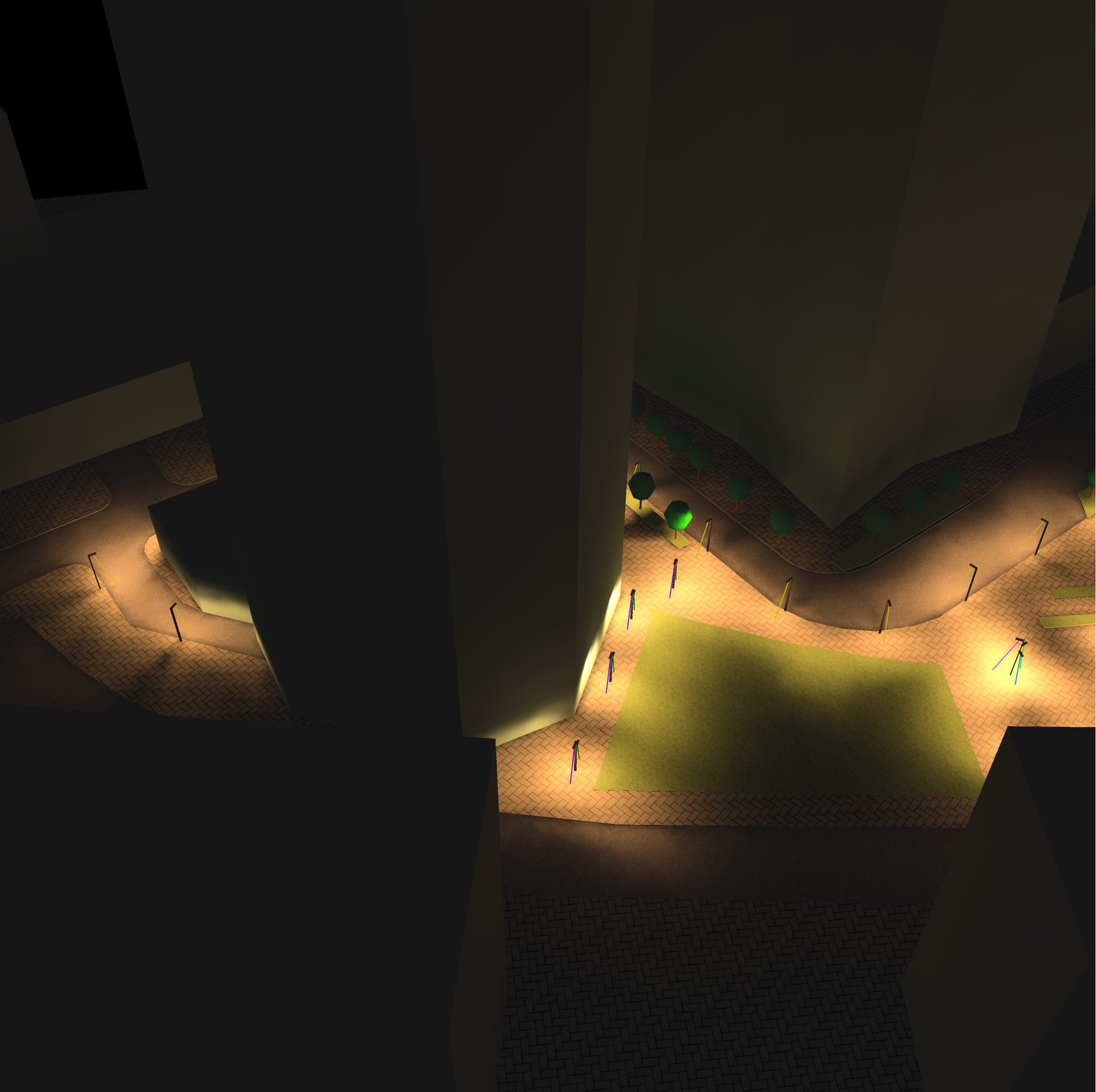
2.3.13 Pseudo colours, Deansgate tower lower 3 floors - area 3 (E)



Average illuminance	$\bar{E}_m$	: 0.58 lx
Minimum illuminance	E_{min}	: 0.1 lx
Maximum illuminance	E_{max}	: 1.45 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 5.68 (0.18)

2.3 Calculation results, All fittings

2.3.14 3D luminance, View 1



Luminance in the scene

Minimum:

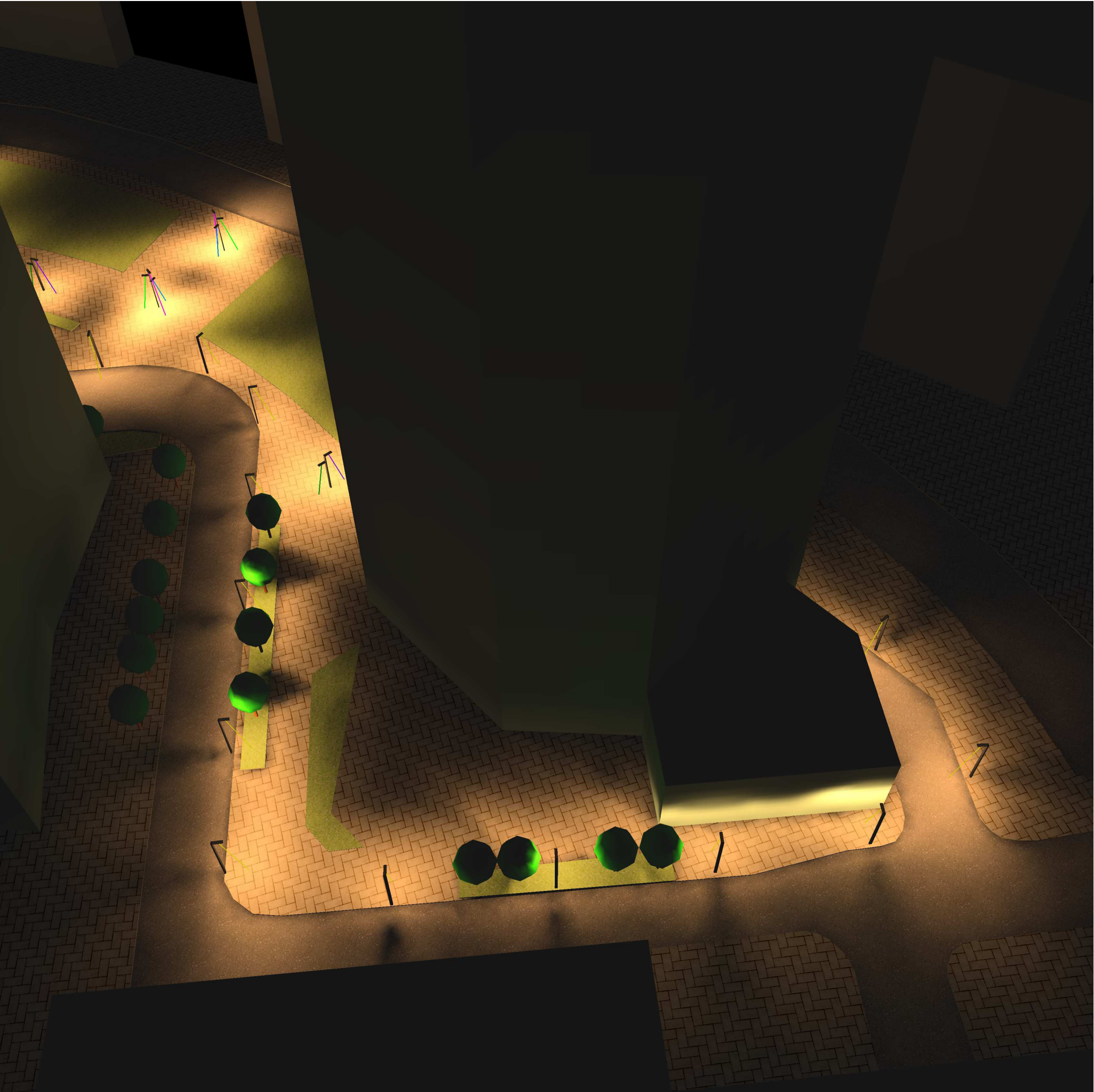
: 0 cd/m²

Maximum:

: 90 cd/m²

2.3 Calculation results, All fittings

2.3.15 3D luminance, View 2



Luminance in the scene

Minimum:

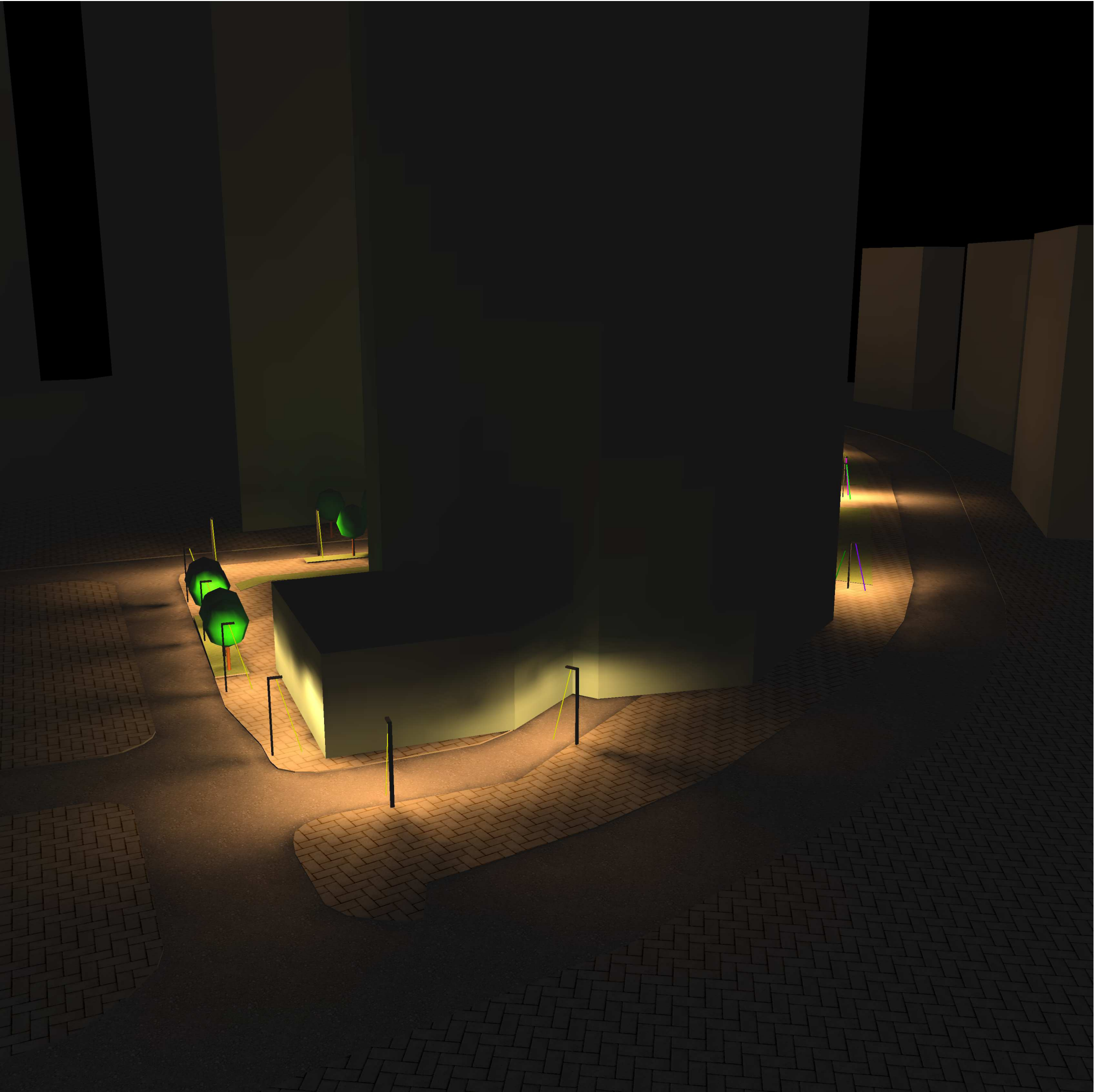
Maximum:

: 0 cd/m²

: 90 cd/m²

2.3 Calculation results, All fittings

2.3.16 3D luminance, View 3



Luminance in the scene

Minimum:

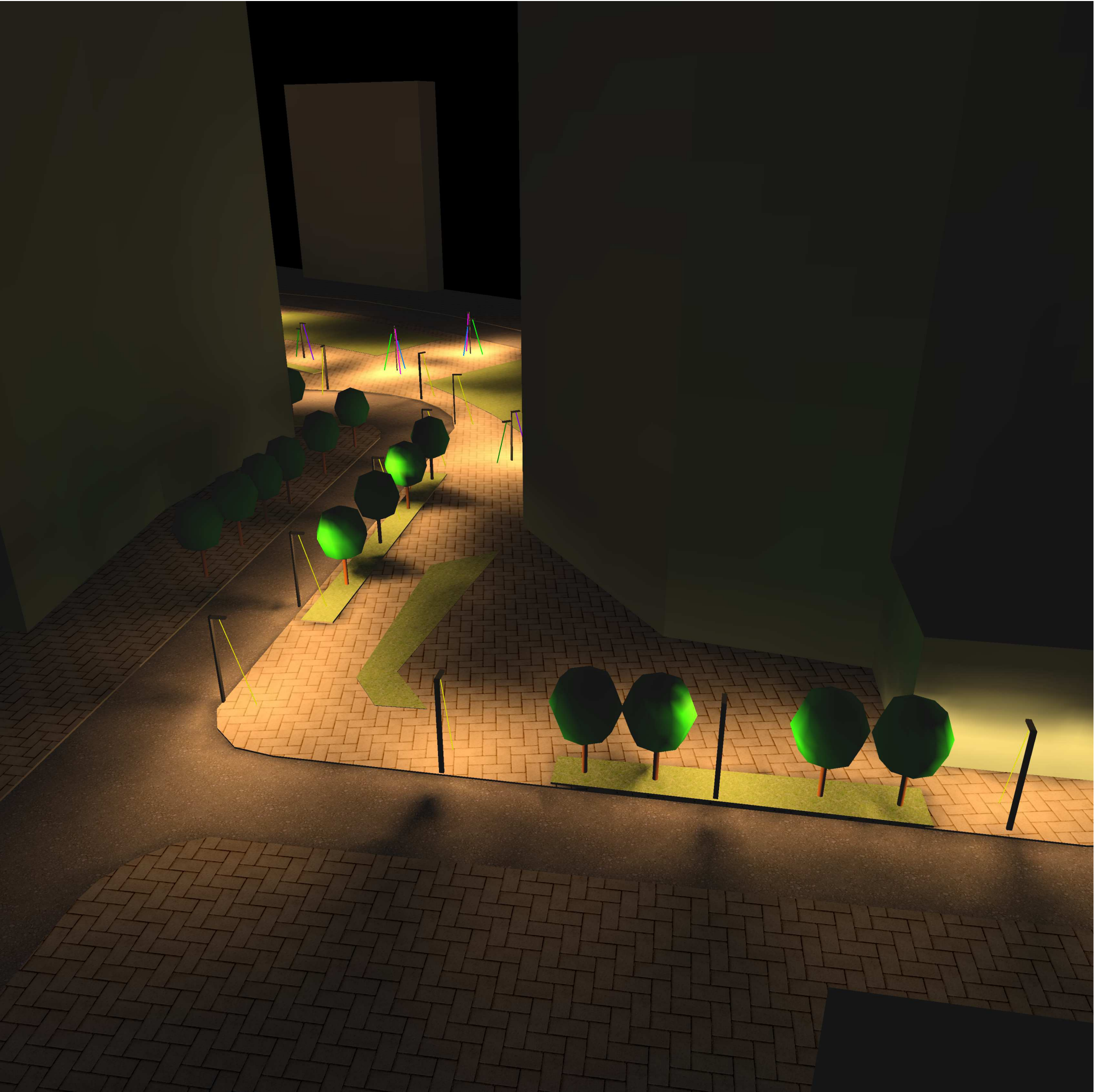
Maximum:

: 0 cd/m²

: 90 cd/m²

2.3 Calculation results, All fittings

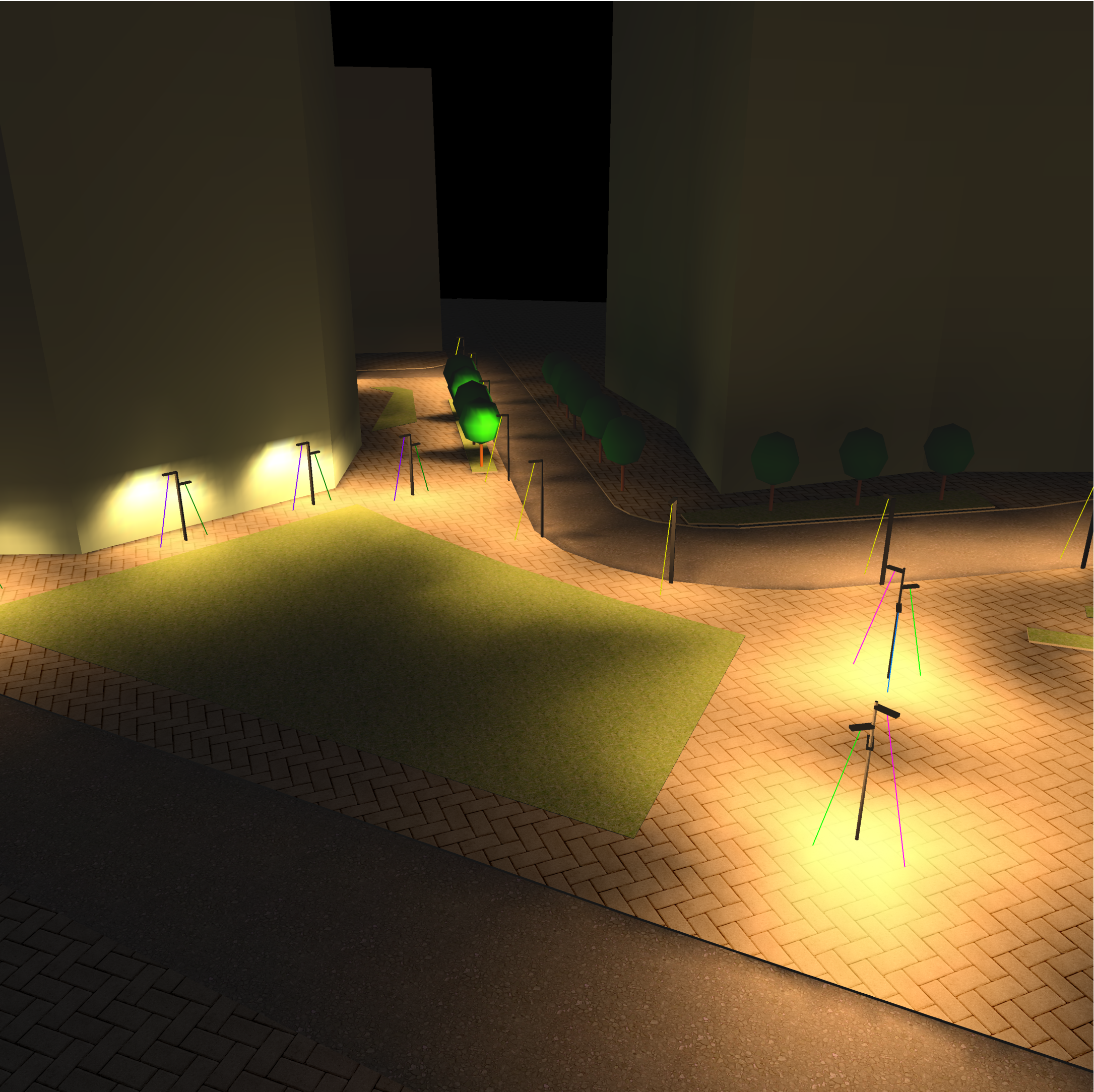
2.3.17 3D luminance, View 4



Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 90 cd/m²

2.3 Calculation results, All fittings

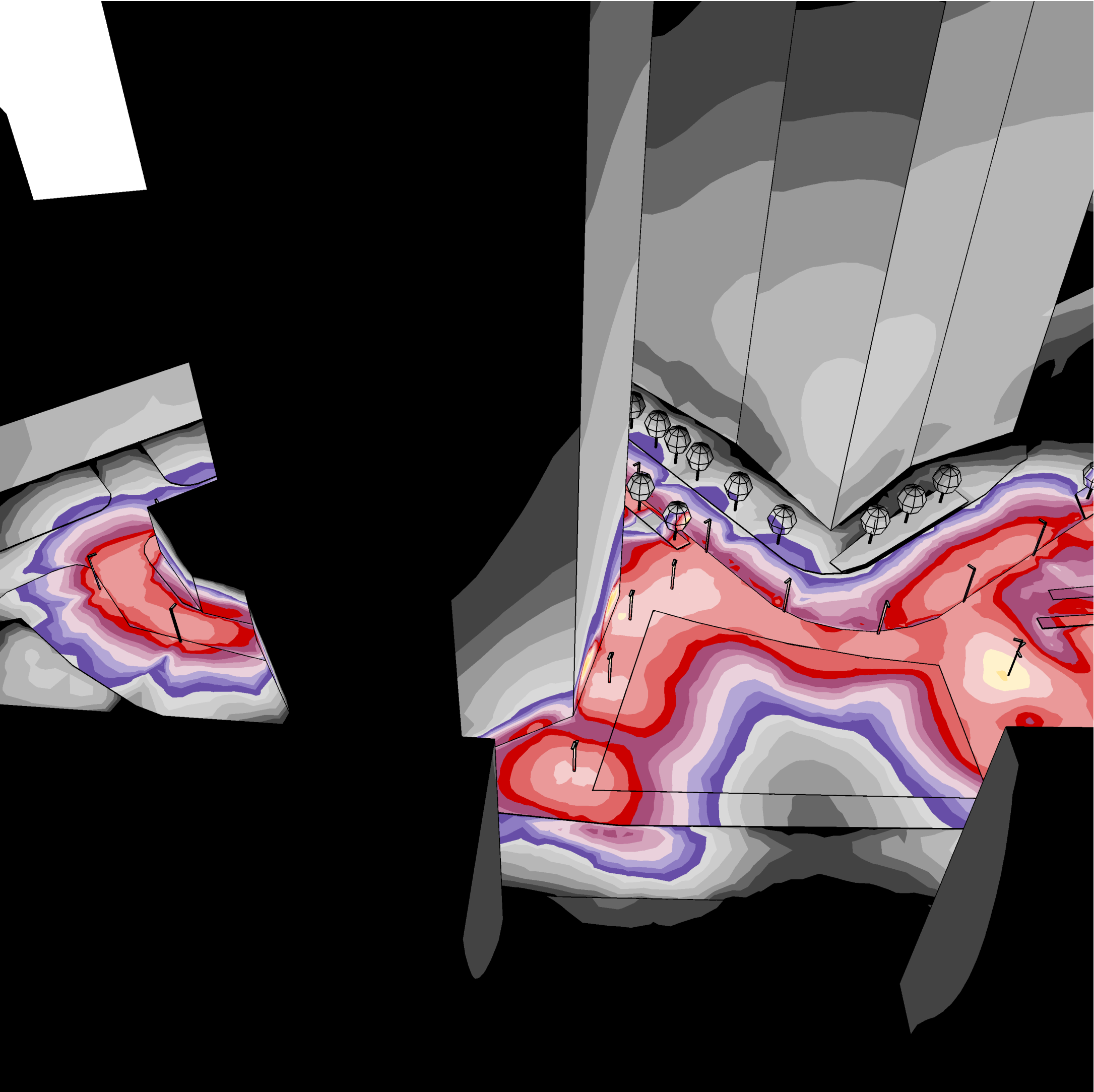
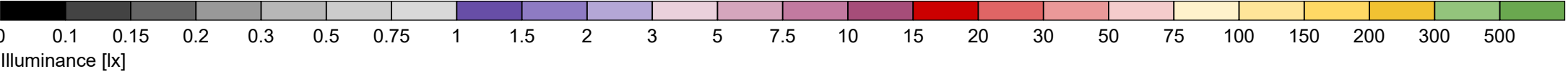
2.3.18 3D luminance, View 5



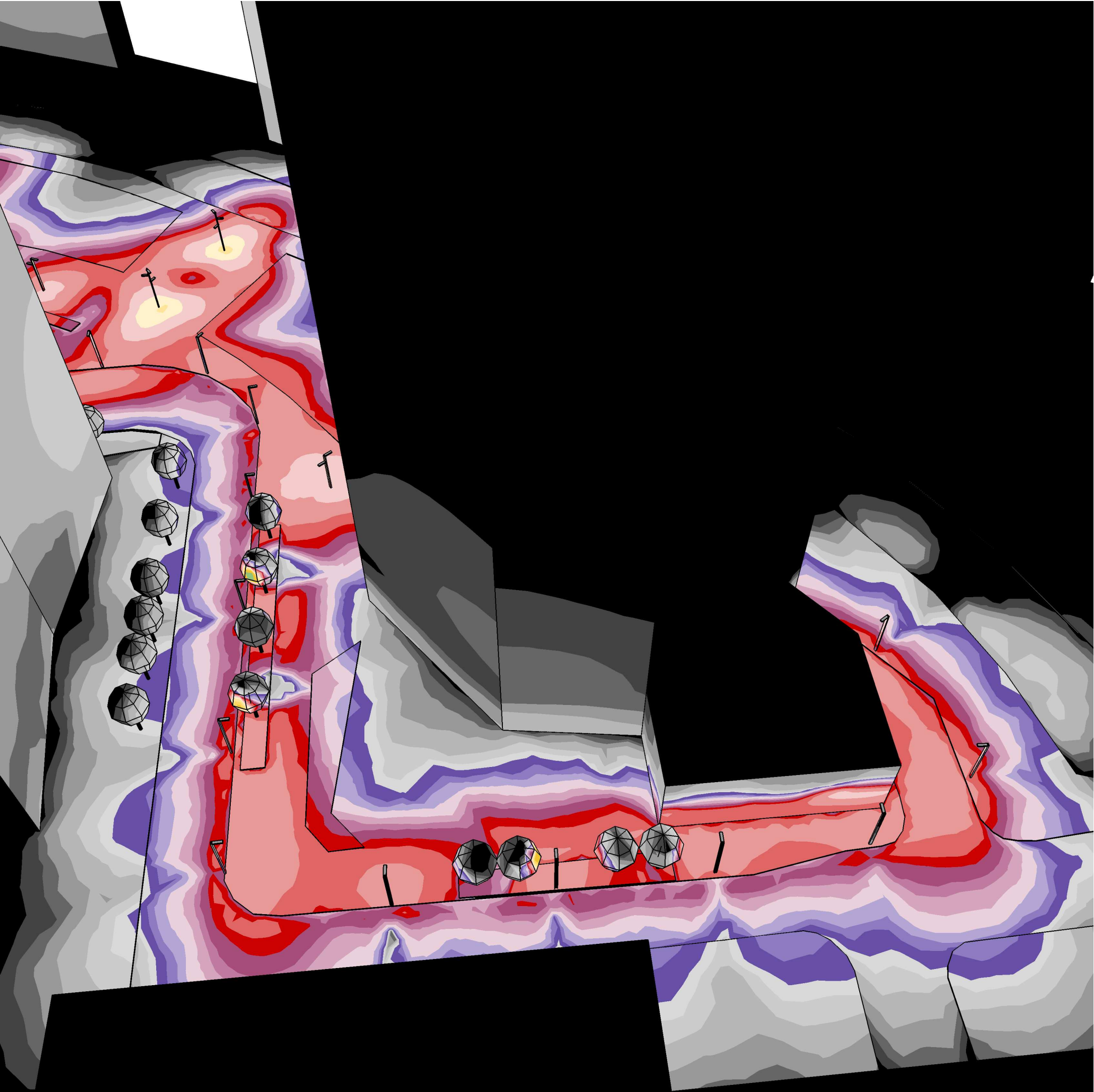
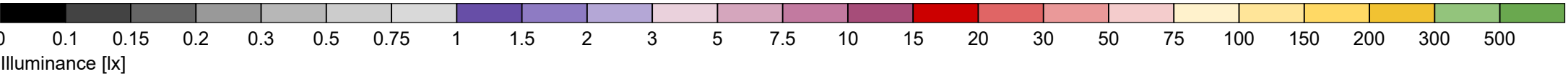
Luminance in the scene
Minimum: : 0 cd/m²
Maximum: : 90 cd/m²

2.3 Calculation results, All fittings

2.3.19 3D pseudo colours, View 1 (E)

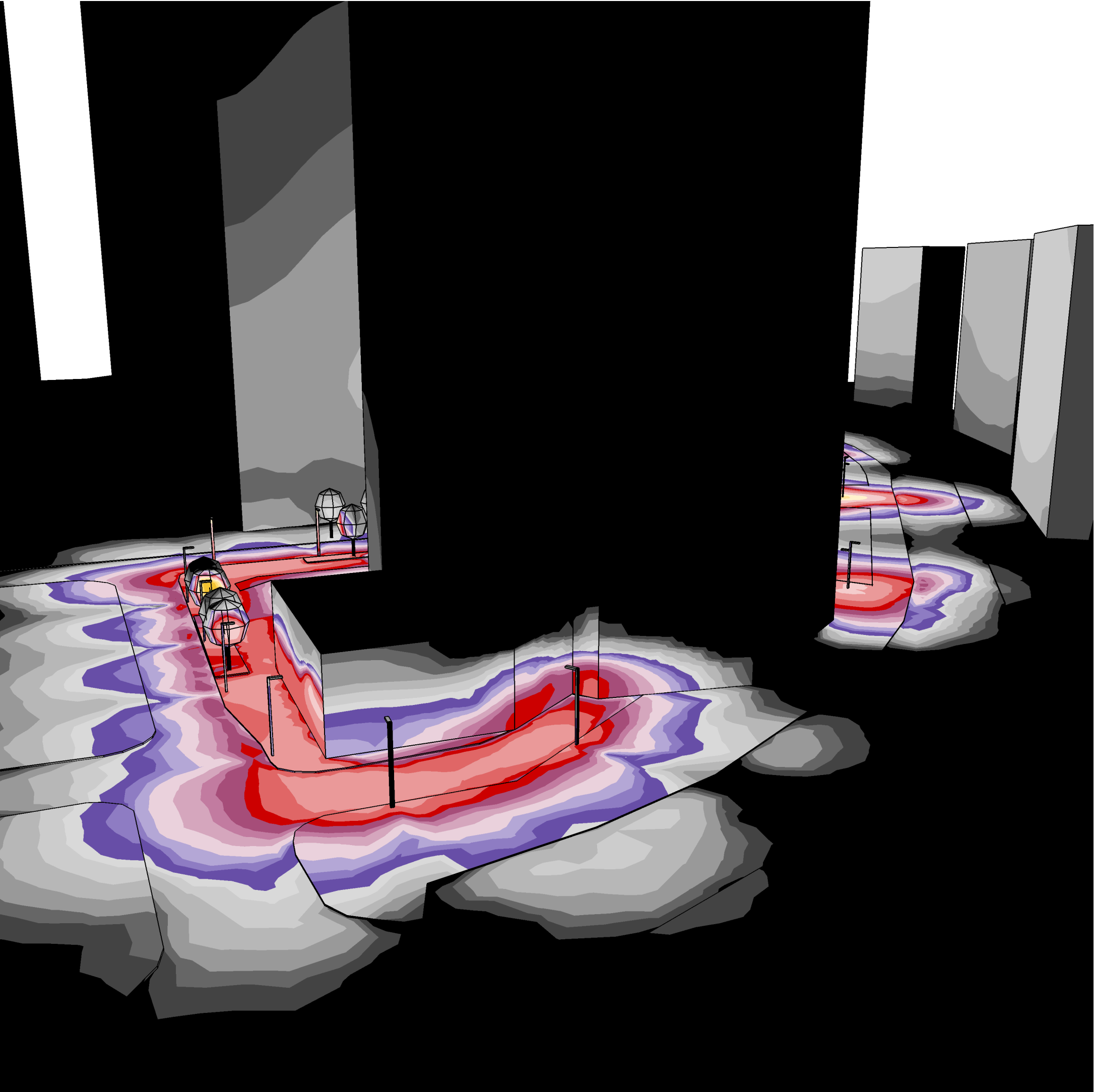
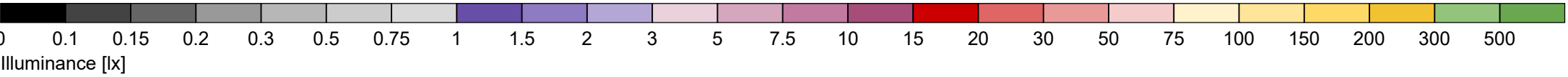


2.3 Calculation results, All fittings
2.3.20 3D pseudo colours, View 2 (E)



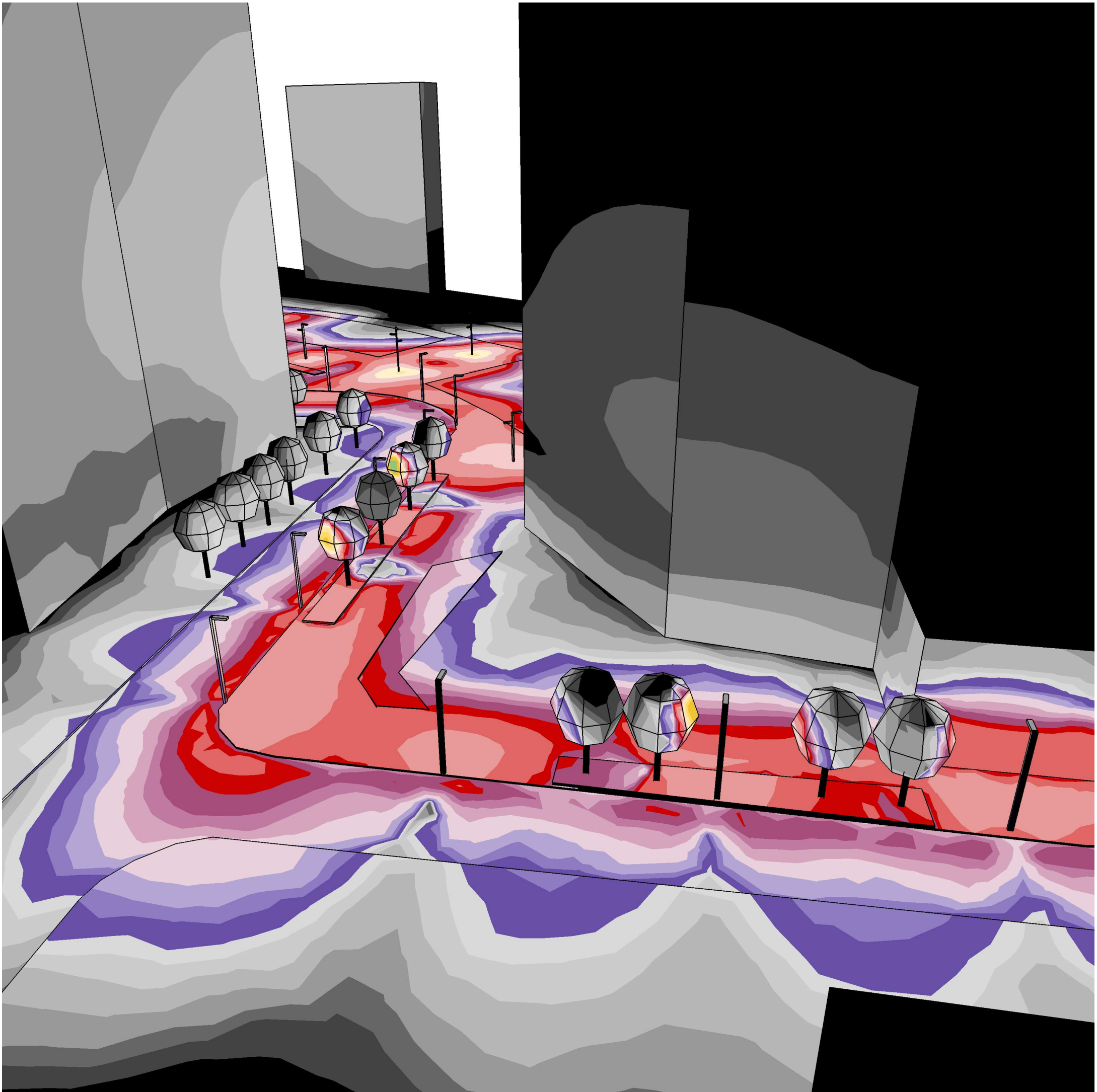
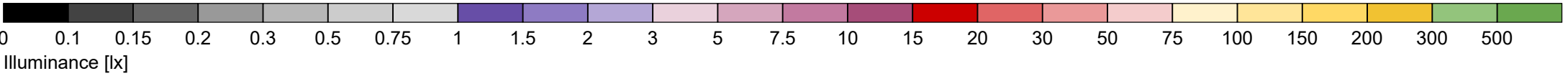
2.3 Calculation results, All fittings

2.3.21 3D pseudo colours, View 3 (E)



2.3 Calculation results, All fittings

2.3.22 3D pseudo colours, View 4 (E)



2.3 Calculation results, All fittings
2.3.23 3D pseudo colours, View 5 (E)

