

Roadway / Pathway [Revised layout]

Installation : Street | iWay

Project number : Bartons Road, Havent - 143525-00097 - R0

Customer : Charnwood Landscape Design

Processed by : Dan Parr

Date : 30.07.2025

Project description:

Street EQ19

15.7W warm white [3000K, CRI 70] LED module column mounted street lighting pole top luminaire with Street [ST1] optic, and integral Middle of the Night / NFC DALI dimming capability.

Size - 529mm x 268mm x 204mm H

Single luminaire pole top mounted to 6m column.

Optics angled outwards by 5°.

iWay BW79

11W warm white [3000K, CRI 80] LED module circular bollard luminaire, with 360° light output emission / 180° light emission [using accessory code X023] and integral DALI-2 dimmable control gear.

Size - 170mmØ x 1000mm H

*Please see associative drawing 'CLDL 2445 (08) 0101 R00 Bound - iGuzzini R0' for further lighting arrangement and luminaire details

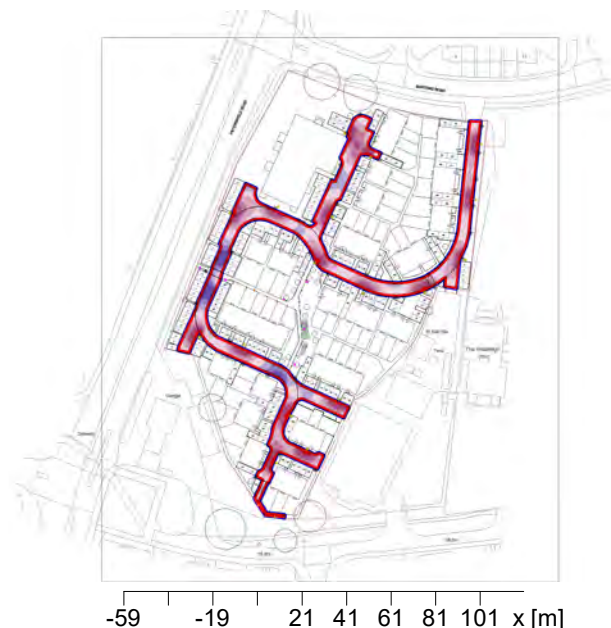
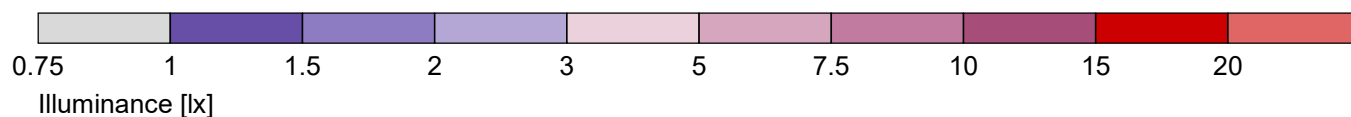
The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

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

1 Roadway [REVISED layout]

1.1 Summary, Roadway [REVISED layout]

1.1.1 Result overview, Evaluation area 1



General

Calculation algorithm used
 Maintenance factor

Average indirect fraction
 0.80

Total lamp luminous flux
 Luminaire luminous flux
 Total power
 Total power per area (2877.18 m²)

58800.00 lm
 49498.95 lm
 378.5 W
 0.13 W/m² (2.04 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

Horizontal
 $\bar{E}_m$ 6.44 lx
 E_{min} 1.01 lx
 $E_{min}/\bar{E}_m (U_o)$ 0.16
 $E_{min}/E_{max} (U_d)$ 0.06
 Position 0.00 m

Type No. Make

1	17 x		iGuzzini	
			Order No.	: EQ19
			Luminaire name	: Street 529x268 mm
			Equipment	: 1 x LED 15.7 W / 2400 lm
2	6 x		Order No.	
			: BW79	
			Luminaire name	
			: iWay - round	
			Equipment	
			: 1 x LED 12.4 W / 2000 lm	

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1 Roadway [REVISED layout]

1.1 Summary, Roadway [REVISED layout]

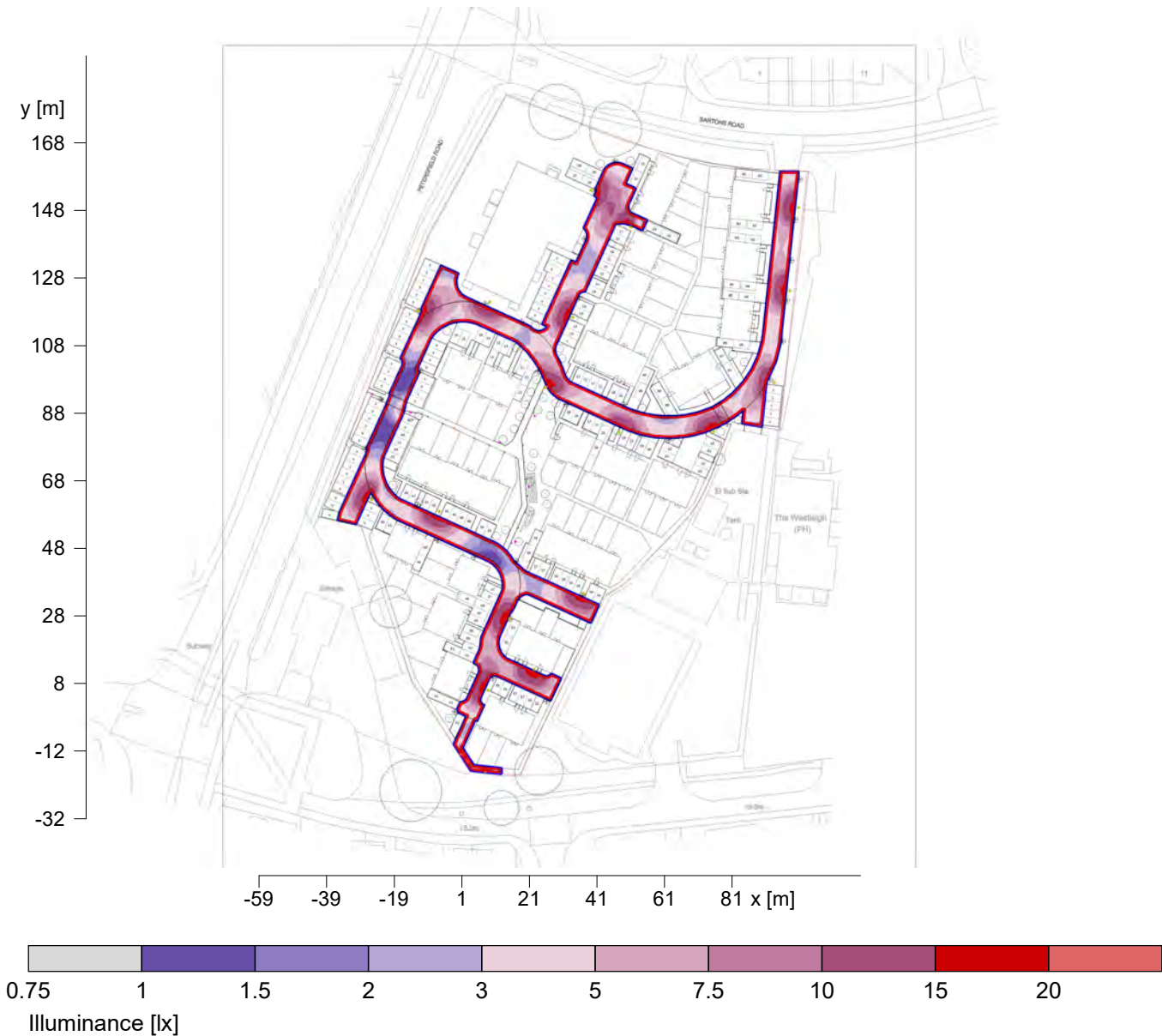
1.1.1 Result overview, Evaluation area 1

3	3 x	Order No.	: BW79_X023
		Luminaire name	: iWay - round
		Equipment	: 1 x LED 12.4 W / 2000 lm

1 Roadway [REVISED layout]

1.2 Calculation results, Roadway [REVISED layout]

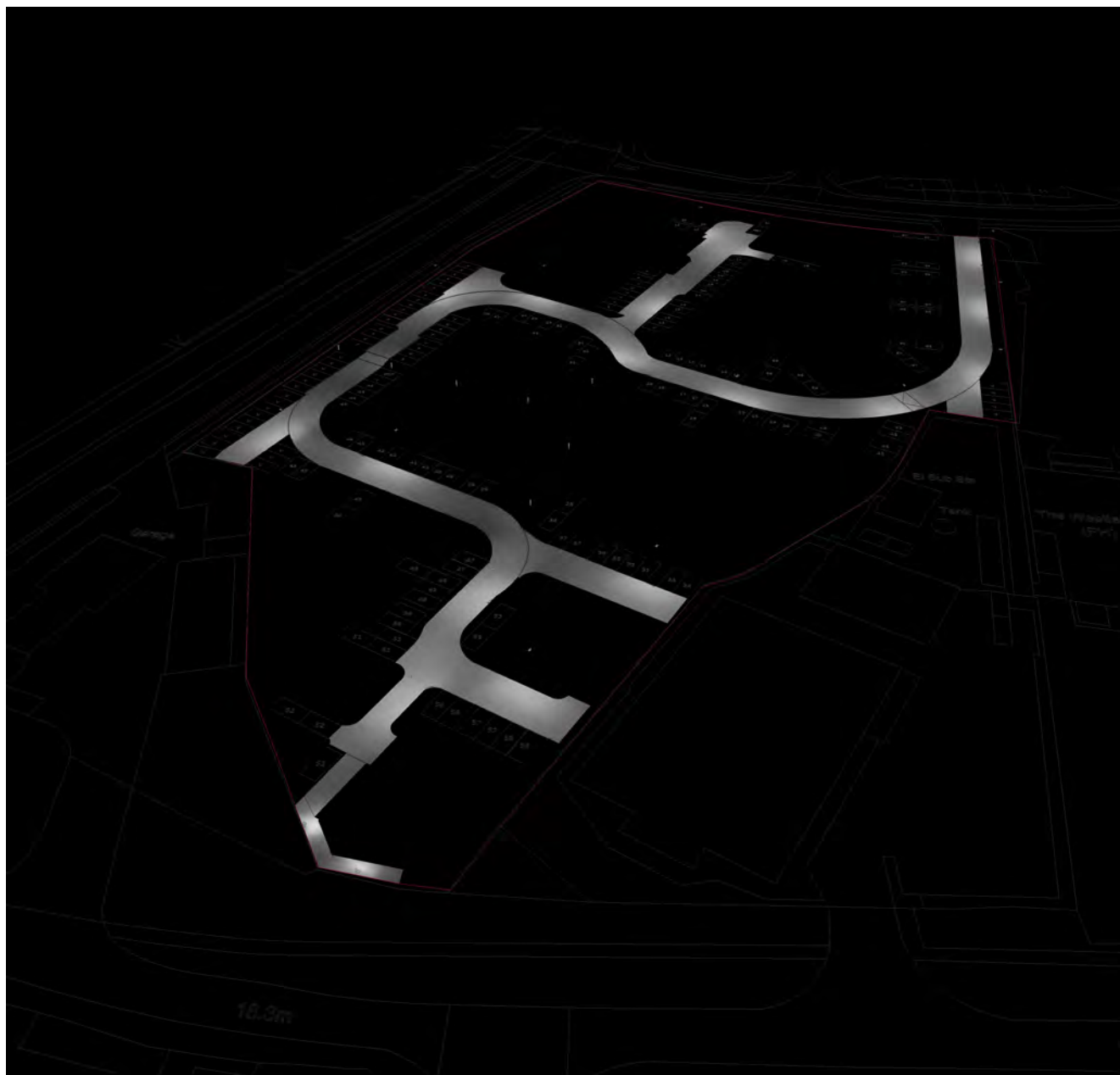
1.2.1 Pseudo colours, Reference plane 1.1 (E)



Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 6.4 lx
Minimum illuminance	E_{min}	: 1 lx
Maximum illuminance	E_{max}	: 17.2 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: 1 : 6.40 (0.16)
Diversity U_d	E_{min}/E_{max}	: 1 : 17.11 (0.06)

1.2 Calculation results, Roadway [REVISED layout]

1.2.2 3D luminance, View 1



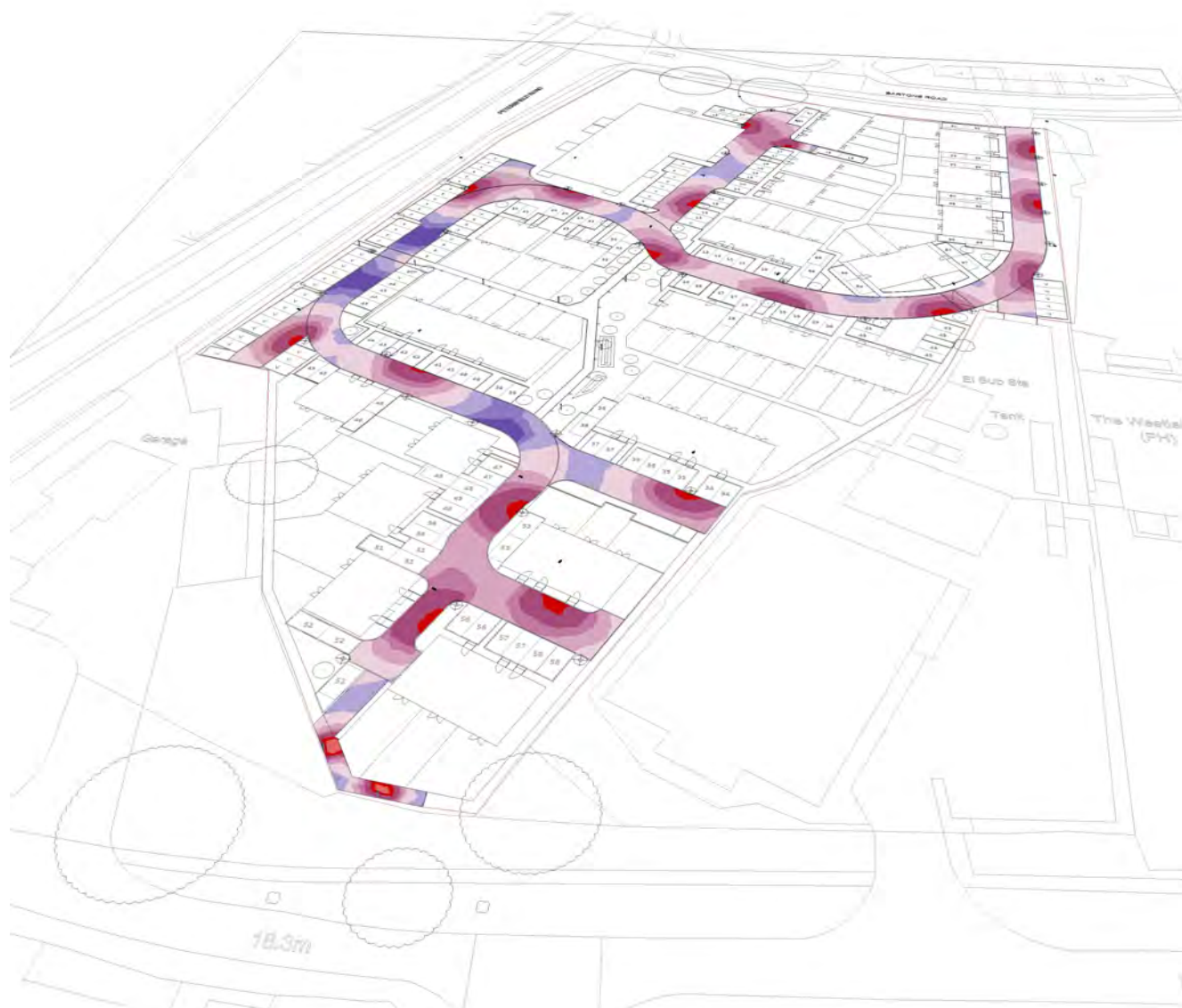
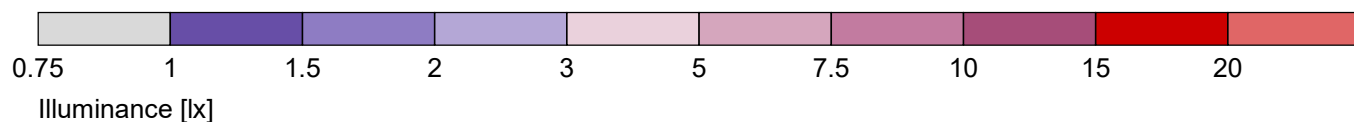
Luminance in the scene

Minimum: : 0 cd/m²

Maximum: : 7.56 cd/m²

1.2 Calculation results, Roadway [REVISED layout]

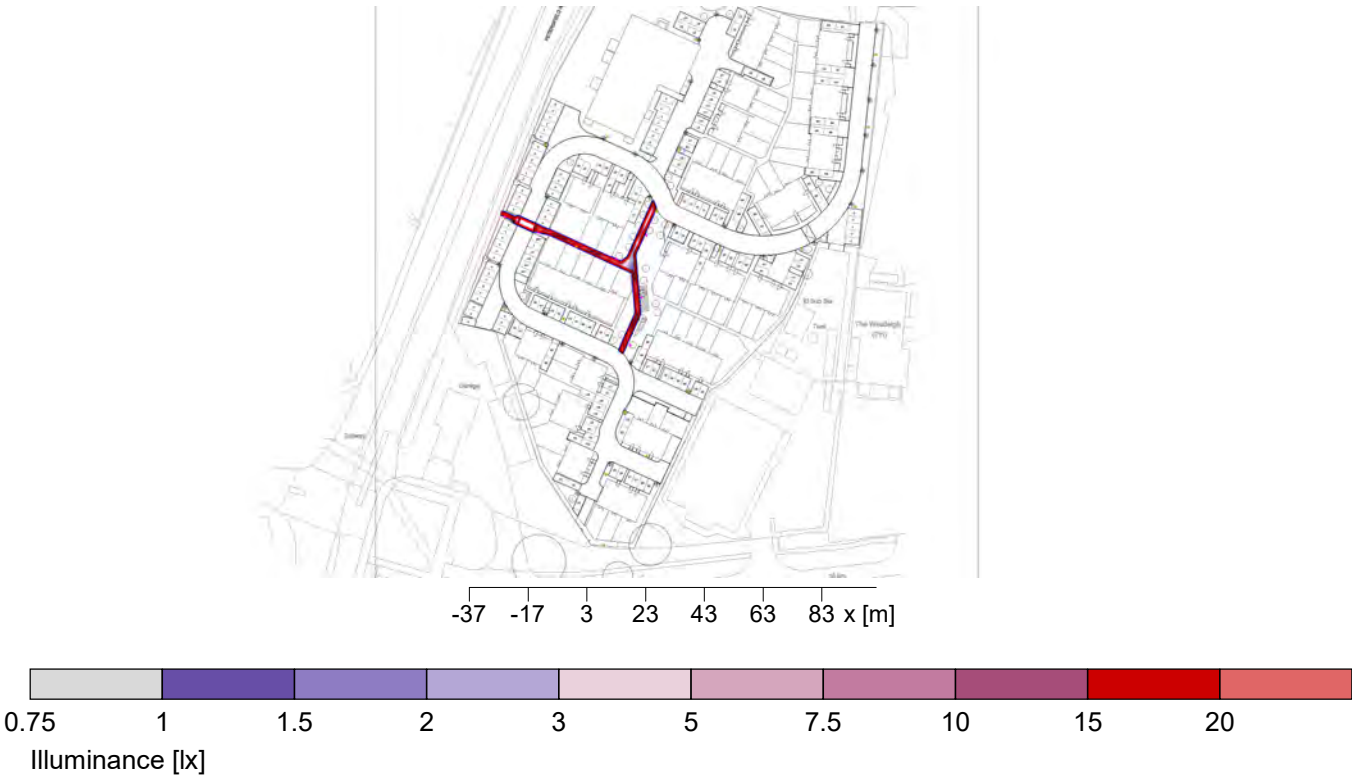
1.2.3 3D pseudo colours, View 1 (E)



2 Pathway [REVISED layout]

2.1 Summary, Pathway [REVISED layout]

2.1.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total lamp luminous flux	58800.00 lm
Luminaire luminous flux	49498.95 lm
Total power	378.5 W
Total power per area (180.17 m²)	2.10 W/m² (30.42 W/m²/100lx)

Evaluation area 1	Reference plane 1.1
	Horizontal
$\bar{E}_m$	6.9 lx
E_{min}	1.01 lx
$E_{min}/\bar{E}_m (U_o)$	0.15
$E_{min}/E_{max} (U_d)$	0.03
Position	0.00 m

Type No. Make

1		iGuzzini	
	17 x	Order No.	: EQ19
		Luminaire name	: Street 529x268 mm
		Equipment	: 1 x LED 15.7 W / 2400 lm
2			
	6 x	Order No.	: BW79
		Luminaire name	: iWay - round
		Equipment	: 1 x LED 12.4 W / 2000 lm

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2 Pathway [REVISED layout]

2.1 Summary, Pathway [REVISED layout]

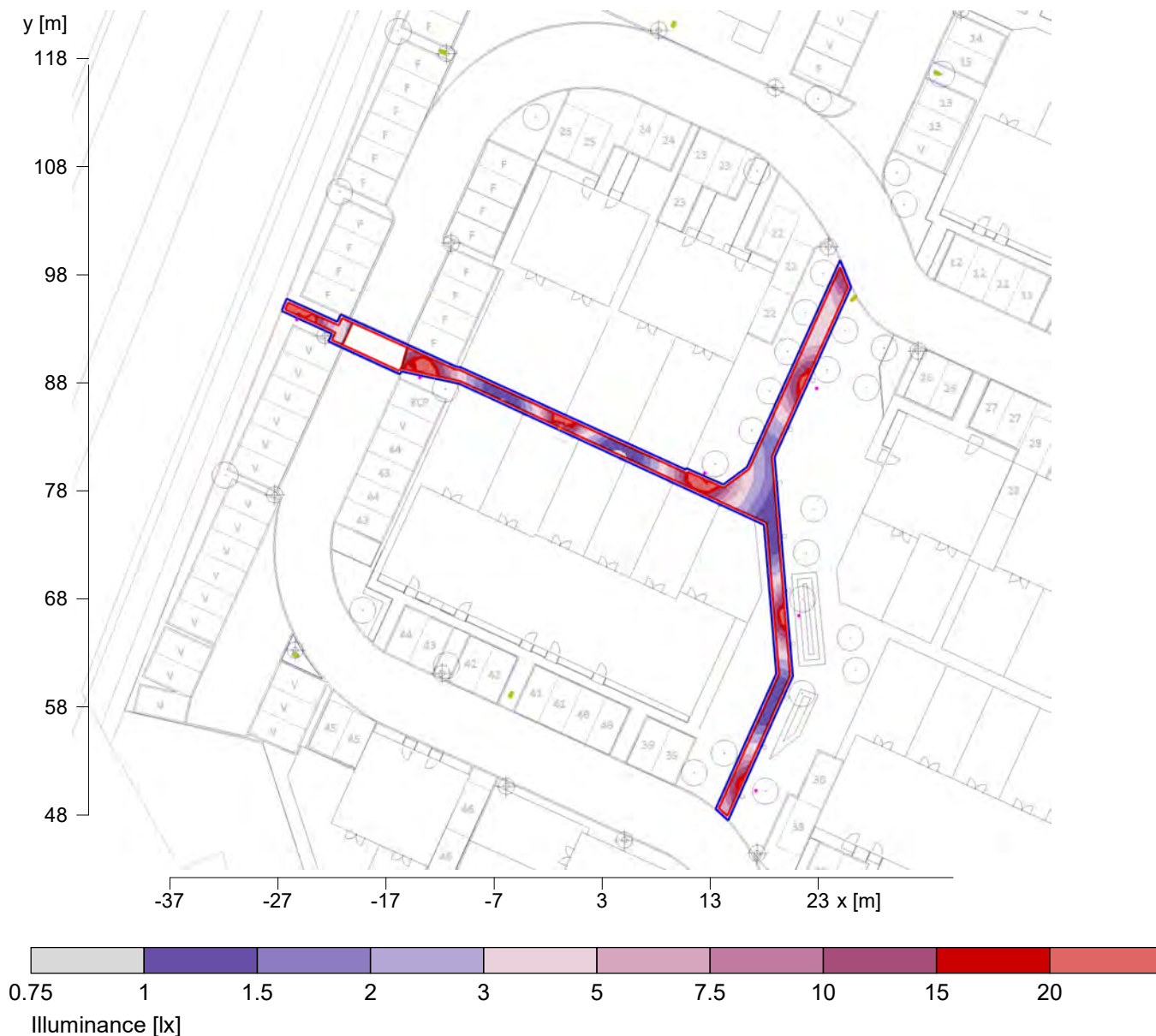
2.1.1 Result overview, Evaluation area 1

3	3 x	Order No.	: BW79_X023
		Luminaire name	: iWay - round
		Equipment	: 1 x LED 12.4 W / 2000 lm

2 Pathway [REVISED layout]

2.2 Calculation results, Pathway [REVISED layout]

2.2.1 Pseudo colours, Reference plane 1.1 (E)

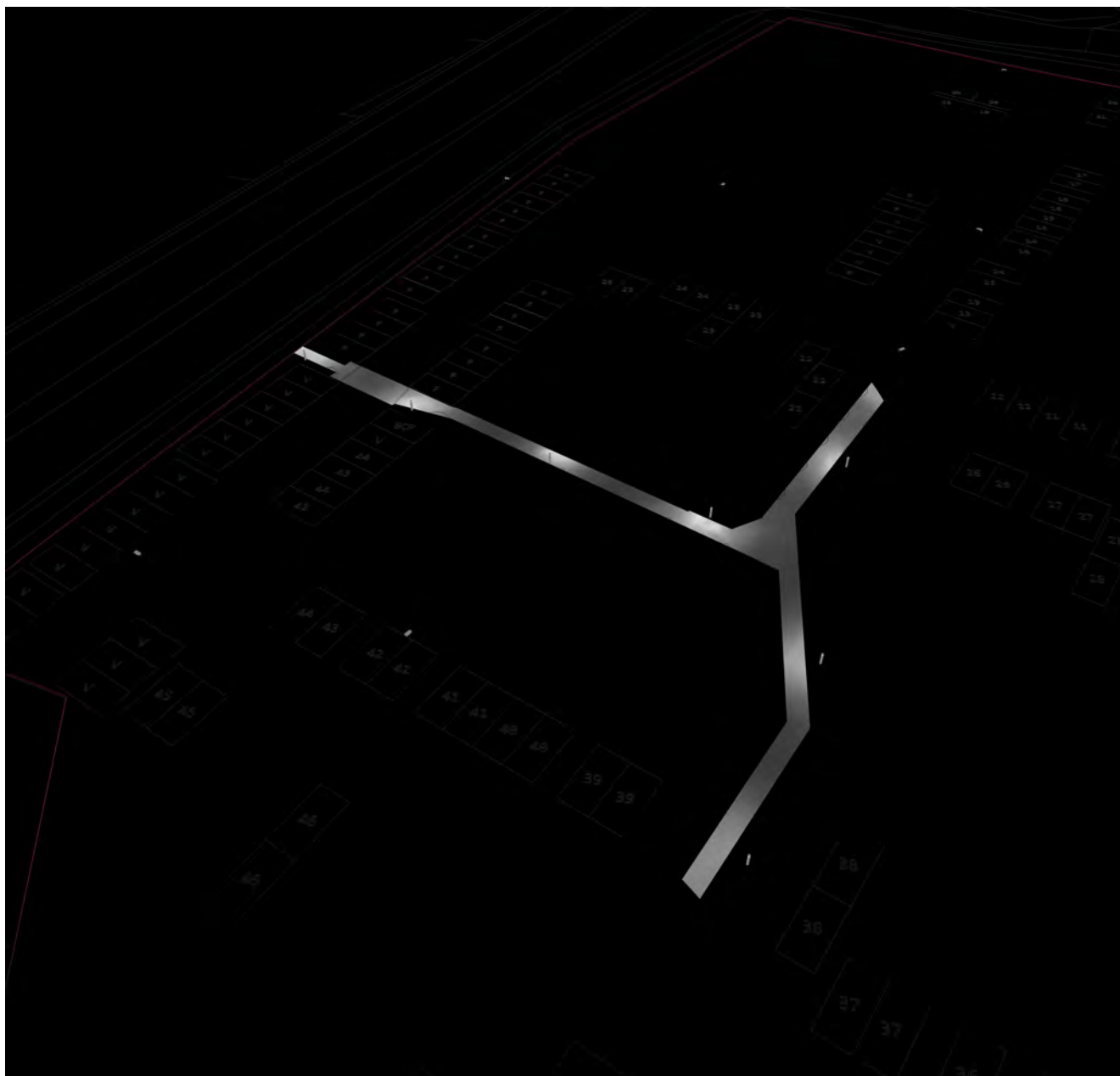


Height reference plane
 Average illuminance
 Minimum illuminance
 Maximum illuminance
 Uniformity U_0
 Diversity U_d

: 0.00 m
 $\bar{E}_m$: 6.9 lx
 E_{min} : 1 lx
 E_{max} : 34 lx
 $E_{min}/\bar{E}_m$: 1 : 6.85 (0.15)
 E_{min}/E_{max} : 1 : 33.69 (0.03)

2.2 Calculation results, Pathway [REVISED layout]

2.2.2 3D luminance, View 1



Luminance in the scene

Minimum: : 0 cd/m²

Maximum: : 7.54 cd/m²

2.2 Calculation results, Pathway [REVISED layout]

2.2.3 3D pseudo colours, View 1 (E)

