

Stamford Road Development

Installation : Exterior Concourse

Project number : 23846

Customer :

Processed by : William Blows

Date : 25.08.2022

Project description:
20% reflectance values
0.8 Maintenance Factor

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.

W.Blow

Whitecroft Lighting Ltd, Ashton-under-Lyne, Lancashire, OL7 0AX

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1 Luminaire data

1.1 Whitecroft Lighting, KOLO BOLLARD (BLY213KSRB)

1.1.1 Data sheet

Manufacturer: Whitecroft Lighting



BLY213KSRB bollard / pole mounted luminaires **KOLO BOLLARD**
KOLO BOLLARD

Black - Symmetric Distribution - 3000K

Emergency Output - 332lm

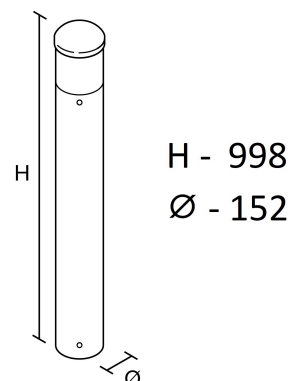
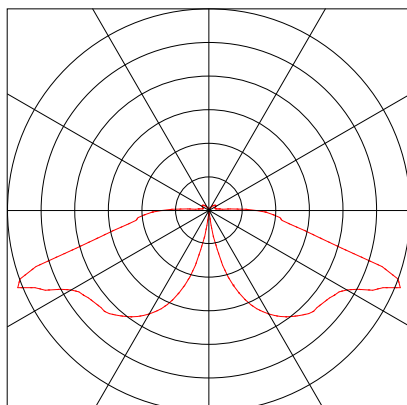
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 95.75 lm/W
Classification : A21 ↓93.4% ↑6.6%
CIE Flux Codes : 21 50 85 93 101
UGR 4H 8H : 22.7 / 22.7
Control gear : electronic ballast
Power : 4 W
Luminous flux : 383 lm

Equipped with

Quantity : 1
Designation : LED
Colour : 3000K
Luminous flux : 383 lm
Colour reproduction : 80

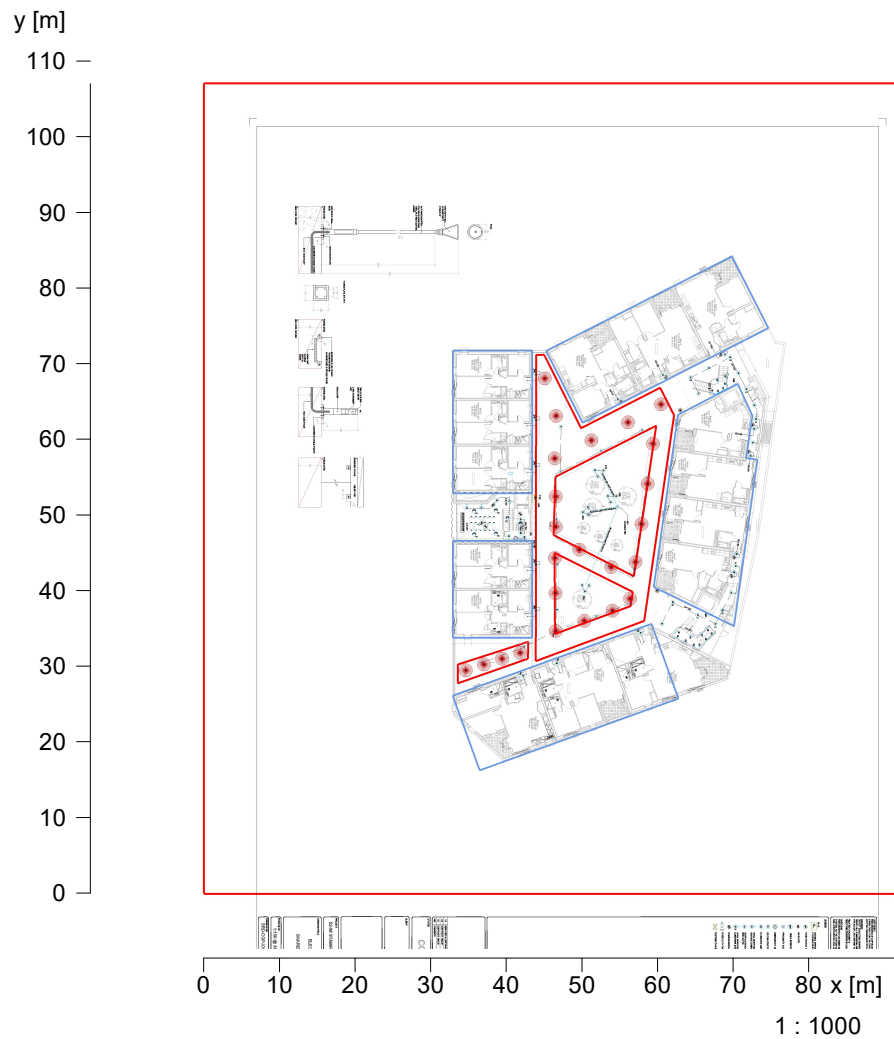
Dimensions : Ø150 mm x 150 mm



2 Exterior 1

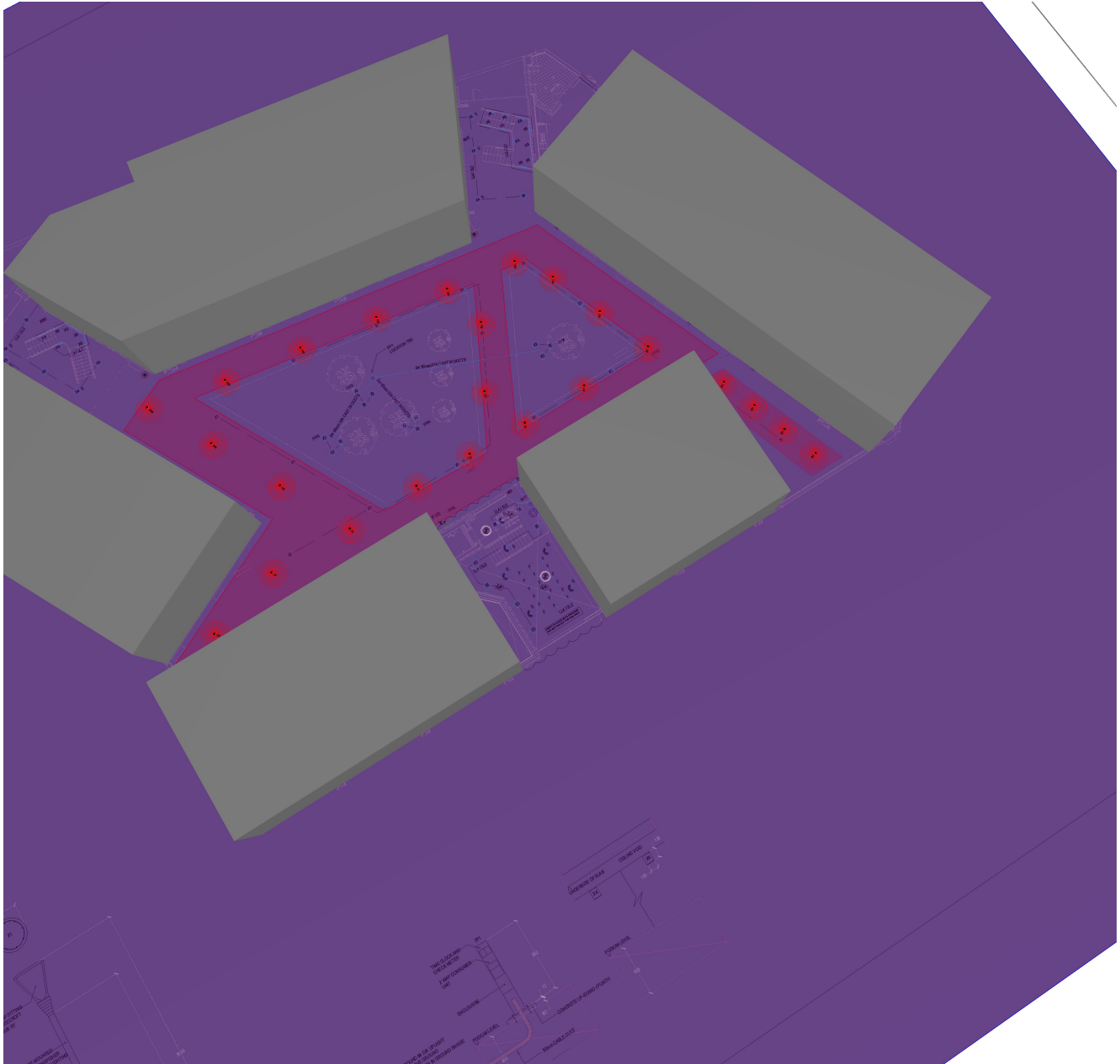
2.1 Description, Exterior 1

2.1.1 Floor plan



2.1 Description, Exterior 1

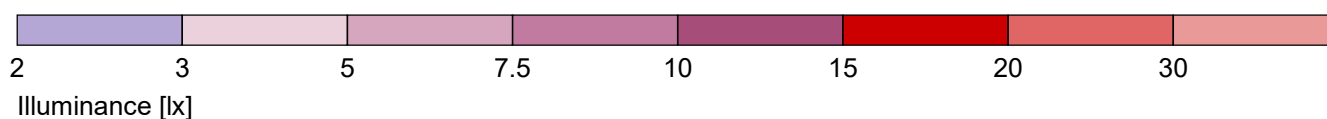
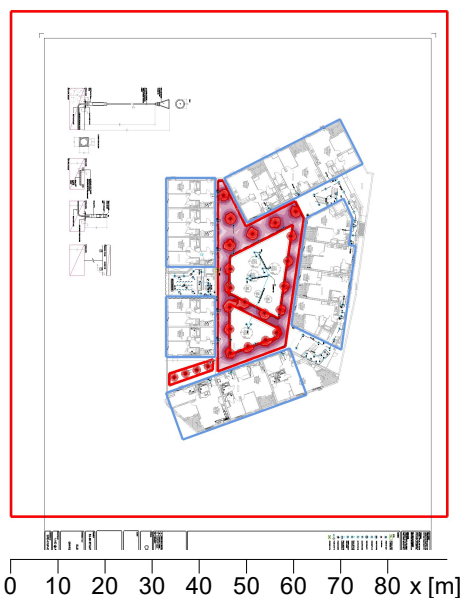
2.1.2 3D view, View 1



2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Pathway



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot centre) [m]:	0.93 m
Maintenance factor	0.80

Total luminous flux of all lamps	9192 lm
Total power	96 W
Total power per area (9897.50 m²)	0.01 W/m²

Illuminance

Average illuminance	Em	11 lx
Minimum illuminance	Emin	2.9 lx
Maximum illuminance	Emax	33 lx
Uniformity Uo	Emin/Em	1:3.81 (0.26)
Diversity Ud	Emin/Emax	1:11.4 (0.09)

Type No. Make

Whitecroft Lighting

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2 Exterior 1

2.2 Summary, Exterior 1

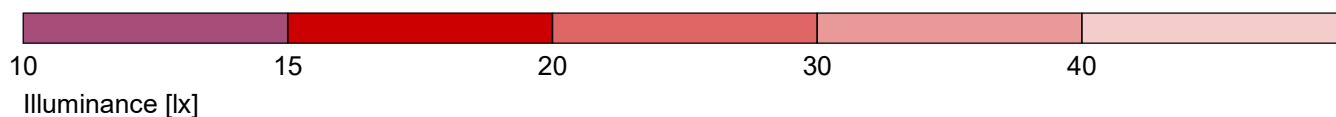
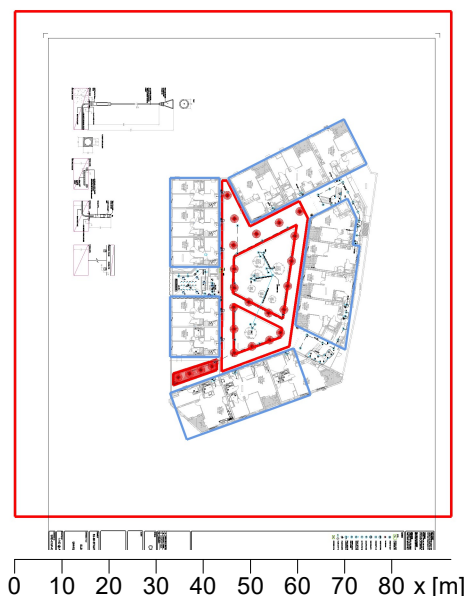
2.2.1 Result overview, Pathway

1 24 Order No. : BLY213KSRB
Luminaire name : KOLO BOLLARD
Equipment : 1 x LED 4 W / 383 lm



2.2 Summary, Exterior 1

2.2.2 Result overview, Access Path



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot centre) [m]:	0.93 m
Maintenance factor	0.80

Total luminous flux of all lamps	9192 lm
Total power	96 W
Total power per area (9897.50 m²)	0.01 W/m²

Illuminance

Average illuminance	Em	27.7 lx
Minimum illuminance	Emin	13.9 lx
Maximum illuminance	Emax	40.7 lx
Uniformity Uo	Emin/Em	1:1.99 (0.5)
Diversity Ud	Emin/Emax	1:2.92 (0.34)

Type No. Make

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2.2 Summary, Exterior 1

2.2.2 Result overview, Access Path

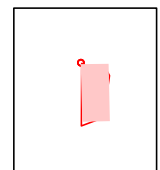
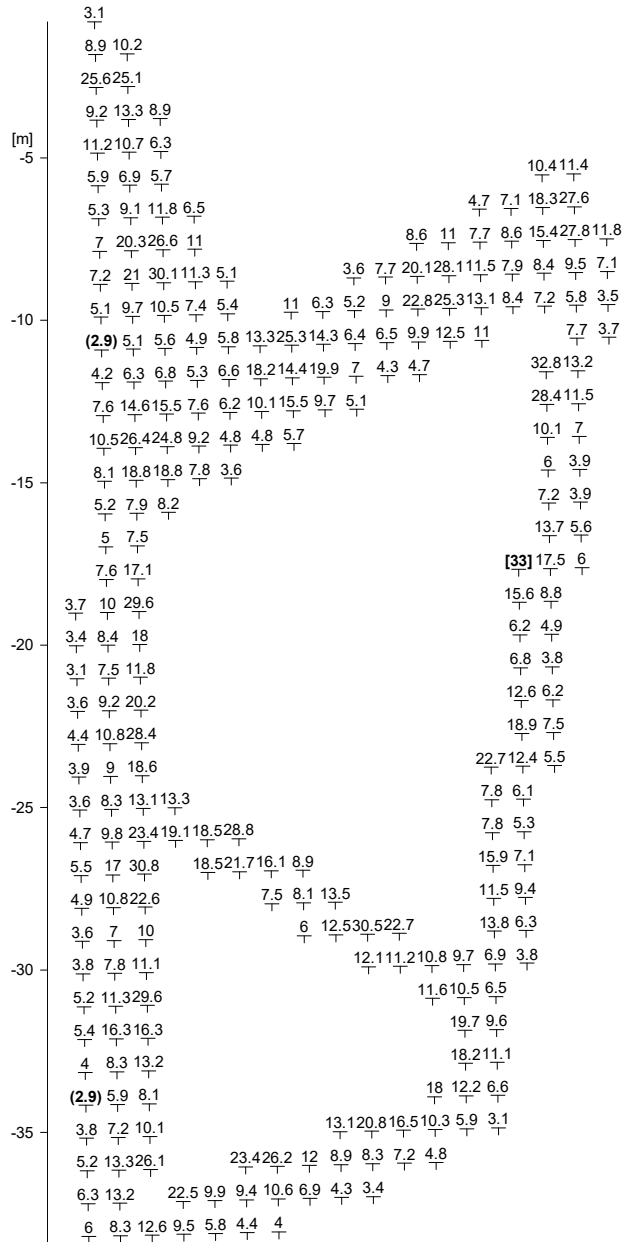
1 24 Order No. : BLY213KSRB
Luminaire name : KOLO BOLLARD
Equipment : 1 x LED 4 W / 383 lm



2 Exterior 1

2.3 Calculation results, Exterior 1

2.3.1 Table, Pathway (E)



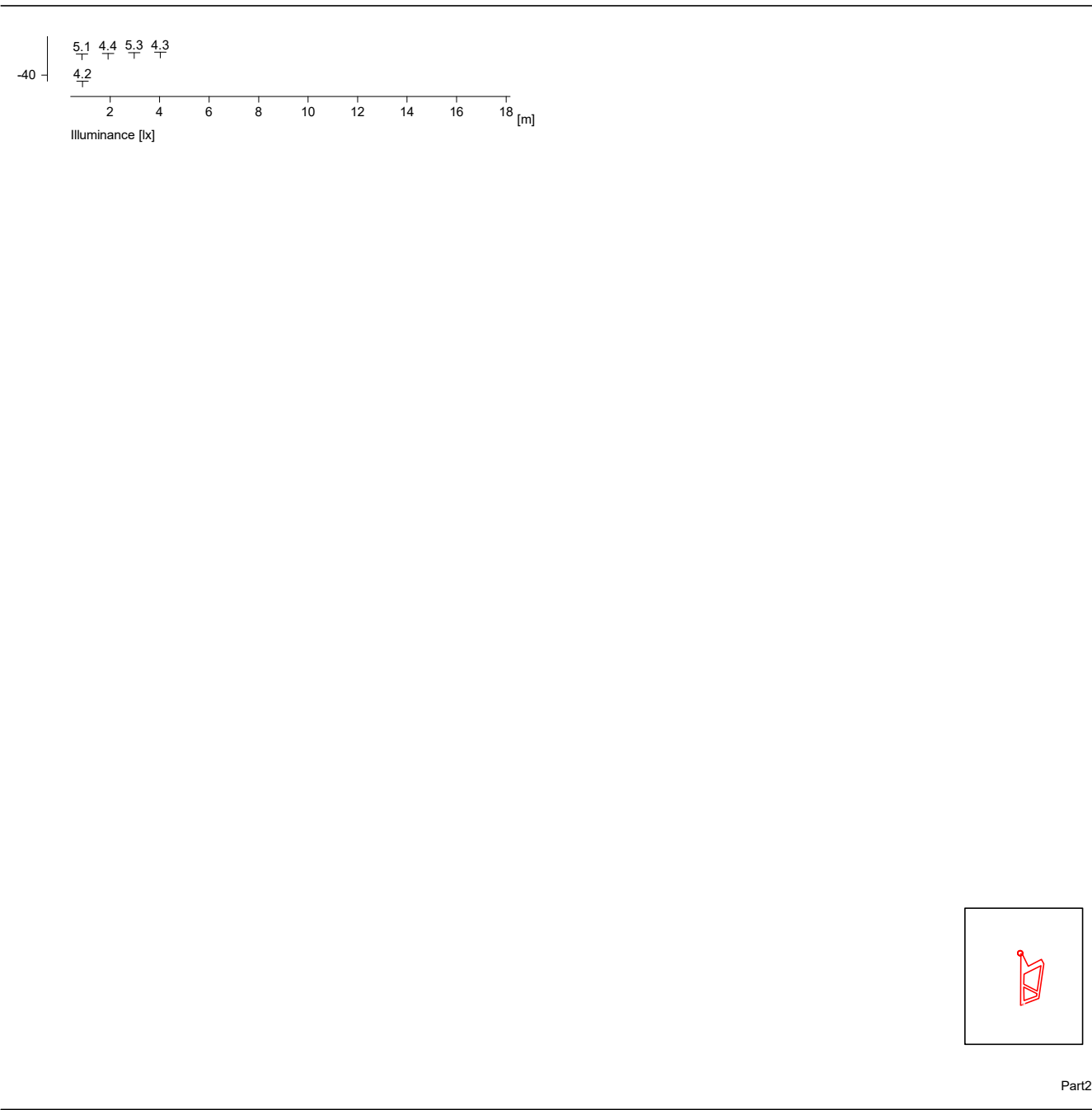
Part1

Height reference plane	: 0.00 m
Average illuminance	Em : 11 lx
Minimum illuminance	Emin : 2.9 lx
Maximum illuminance	Emax : 33 lx
Uniformity Uo	Emin/Em : 1 : 3.81 (0.26)
Diversity Ud	Emin/Emax : 1 : 11.39 (0.09)

2 Exterior 1

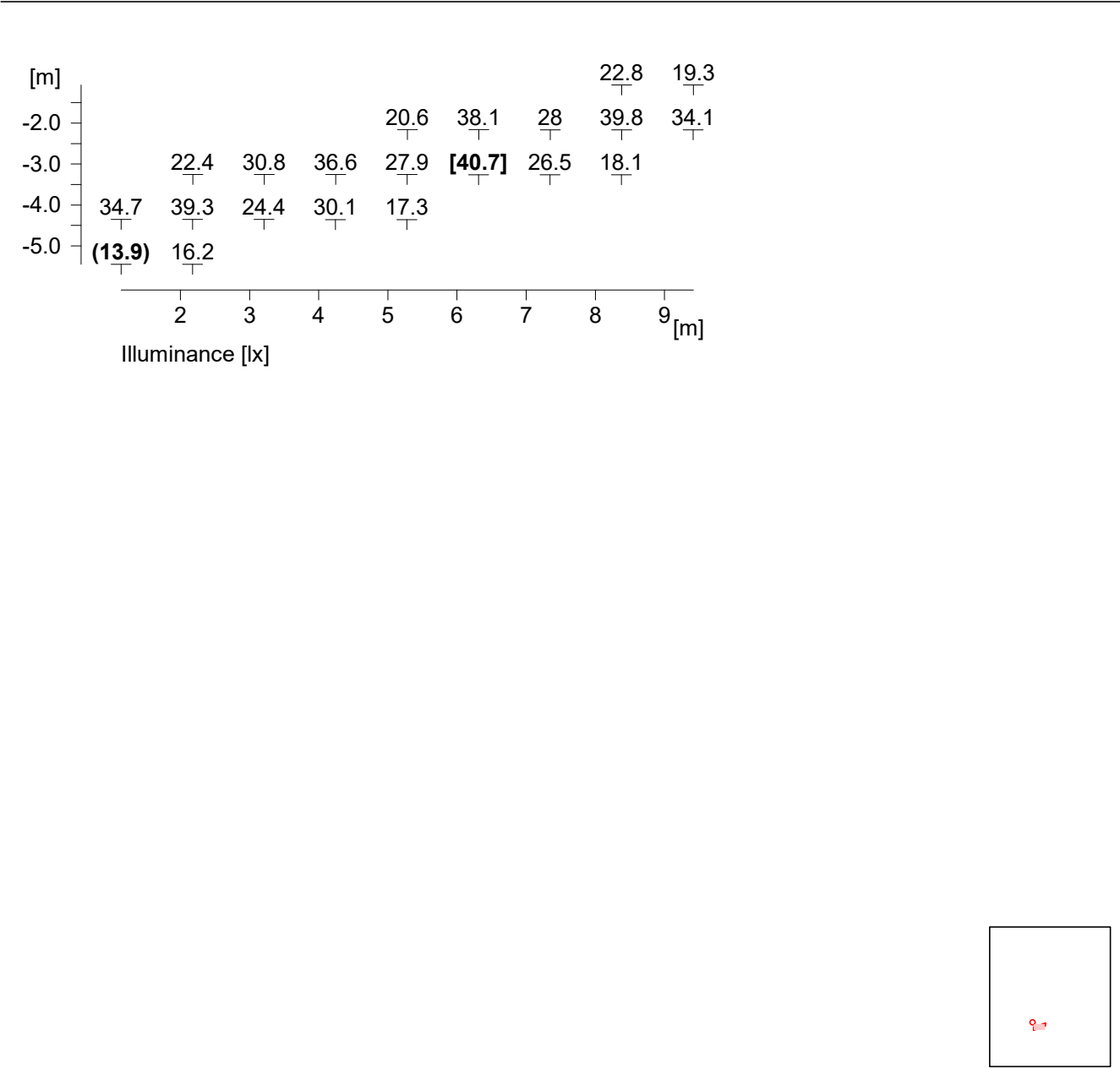
2.3 Calculation results, Exterior 1

2.3.1 Table, Pathway (E)



2.3 Calculation results, Exterior 1

2.3.2 Table, Access Path (E)



Height reference plane	: 0.00 m
Average illuminance	Em : 27.7 lx
Minimum illuminance	Emin : 13.9 lx
Maximum illuminance	Emax : 40.7 lx
Uniformity Uo	Emin/Em : 1 : 1.99 (0.50)
Diversity Ud	Emin/Emax : 1 : 2.92 (0.34)

2.3 Calculation results, Exterior 1

2.3.3 3D luminance, View 1

