

## Ampney Park

Installation : External Lighting

Project number : IN381

Customer :

Processed by : CE

Date : 04.08.2023

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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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-please put your own address here-

Object : Ampney Park  
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# 1 Luminaire data

## 1.1 not a Relux Member, Product (\*15647\*)

### 1.1.1 Data sheet

Manufacturer: not a Relux Member

**\*15647\* Product**  
\*\*\*not licensed\*\*\*

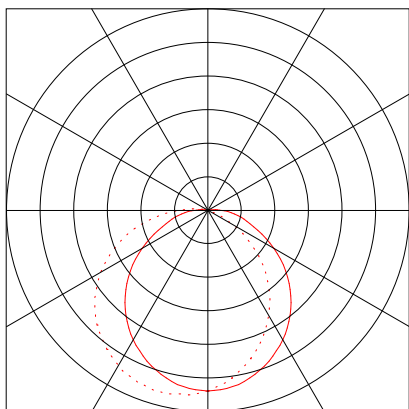
#### Luminaire data

Luminaire efficiency : 31.7%  
Luminaire efficacy : 49.66 lm/W  
Classification : A41 ↓97.3% ↑2.7%  
CIE Flux Codes : 46 76 93 97 32  
Glare : n/a / D5  
Power : 15 W  
Luminous flux : 745 lm

#### Equipped with

Quantity : 1  
Designation : LED-FT-13W/827  
- 2700K  
Colour : 2700K  
Luminous flux : 2350 lm  
Colour reproduction : 80

Dimensions : Ø262 mm x 85 mm



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Object : Ampney Park  
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# 1 Luminaire data

## 1.2 not a Relux Member, Product (\*D47F5\*)

### 1.2.1 Data sheet

Manufacturer: not a Relux Member

**\*D47F5\*** Product  
\*\*\*not licensed\*\*\*

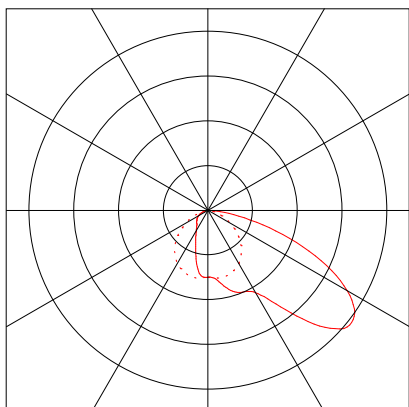
#### Luminaire data

Luminaire efficiency : 58%  
Luminaire efficacy : 64.8 lm/W  
Classification : A30 ↓100.0% ↑0.0%  
CIE Flux Codes : 38 75 96 100 58  
UGR 4H 8H : 33.1 / 23.2  
Power : 14.5 W  
Luminous flux : 939.6 lm

#### Equipped with

Quantity : 6  
Designation : LED-6/12W/827  
- 2700K  
Colour : 2700K  
Luminous flux : 270 lm  
Colour reproduction : 80

Dimensions : 265 mm x 225 mm x 70 mm



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# 1 Luminaire data

## 1.3 not a Relux Member, Product (\*D41D8\*)

### 1.3.1 Data sheet

Manufacturer: not a Relux Member

**\*D41D8\***      **Product**  
\*\*\*not licensed\*\*\*

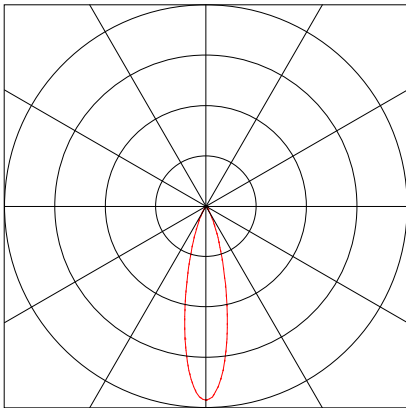
#### Luminaire data

Luminaire efficiency : 100%  
Luminaire efficacy : 66.18 lm/W  
Classification : A80 ↓99.0% ↑1.0%  
CIE Flux Codes : 94 98 100 99 100  
UGR 4H 8H : 21.9 / 21.9  
Power : 14.34 W  
Luminous flux : 949 lm

#### Equipped with

Quantity : 1  
Designation :  
Colour : 2704  
Luminous flux : 949 lm  
Colour reproduction : 92.4

Dimensions : Ø45 mm x 10 mm



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# 1 Luminaire data

## 1.4 not a Relux Member, Product (\*D41D8\*)

### 1.4.1 Data sheet

Manufacturer: not a Relux Member

**\*D41D8\***      **Product**  
\*\*\*not licensed\*\*\*

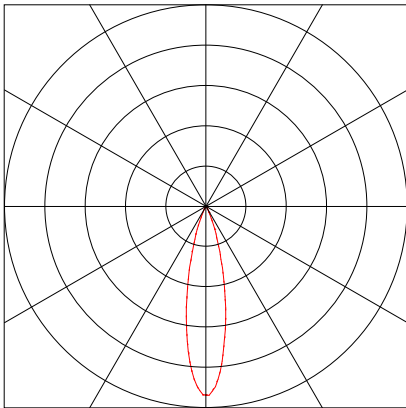
#### Luminaire data

Luminaire efficiency : 100%  
Luminaire efficacy : 37.3 lm/W  
Classification : A80 ↓99.0% ↑1.0%  
CIE Flux Codes : 97 99 100 99 100  
UGR 4H 8H : 14.6 / 14.3  
Power : 14.61 W  
Luminous flux : 545 lm

#### Equipped with

Quantity : 1  
Designation :  
Colour : 2790  
Luminous flux : 545 lm  
Colour reproduction : 97.9

Dimensions : Ø45 mm x 10 mm



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**1 Luminaire data**

**1.5 Zumtobel, SUP2 S R44 LED350-927 SP 350MA ... (60817609)**

**1.5.1 Data sheet**

**Manufacturer: Zumtobel**



**60817609 Down-/Uplights - DL 3000 SUP2 S R44 LED350-927 SP 350MA WH WH**

Recessed luminaire unit with 1 LED spotlight head, "mini" construction size; equipped with lens system for high quality accent lighting in museums and exhibitions spaces; combination of LED PCBs, lens and film creates uniform light distribution with high intensity and soft transitions, without stray light from the light cone; lamp(s): 1/4.2W, Colour rendering Ra > 90, colour temperature 2700 K; Luminaire or spotlight with SPOT light distribution; colour tolerance: SDCM 2 initial, LED PCBs premium-selected; Luminaire luminous flux: 324 lm, Luminaire efficacy: 77 lm/W; service life: 50000h for luminous flux at 90% of initial value; spotlight can rotate through 350° and tilt through 90°; lamp unit and recessed housing of die-cast aluminium, white coated, cover ring coated white; optic consists of glass lens and Plastic film; front ring is for glare reduction and accommodating films; easy to fit without tools using spring clips in ceilings of thickness 1-25 mm; ceiling cutout: Ø44mm, recess depth: 35mm; weight: 0.1 kg;  
 Note: order control gear (350mA), connection cable and distributor separately; film can be replaced to achieve other light distribution patterns; ring louvre or the extended anti-glare cylinder can be exchanged for the front ring.

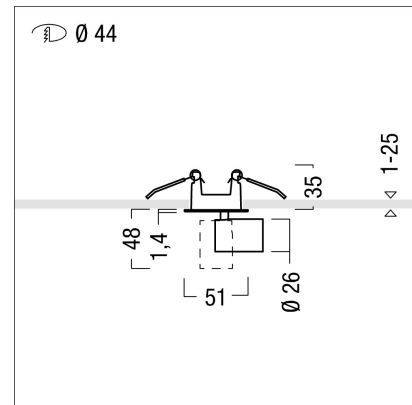
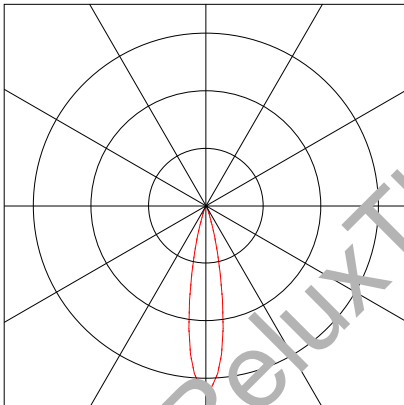
**Luminaire data**

Absolute Photometry	
Luminaire efficacy	: 77.14 lm/W
Classification	: A80 ↓100.0% ↑0.0%
CIE Flux Codes	: 98 100 100 100 100
UGR 4H 8H	: 13.0 / 13.0
Power	: 4.2 W
Luminous flux	: 324 lm

**Equipped with**

Quantity	: 1
Designation	: LED
Colour	: 2700
Colour reproduction	: 90

Dimensions : Ø51 mm x 0.0 mm



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# 1 Luminaire data

## 1.6 not a Relux Member, Product (\*D41D8\*)

### 1.6.1 Data sheet

Manufacturer: not a Relux Member

**\*D41D8\***      **Product**  
\*\*\*not licensed\*\*\*

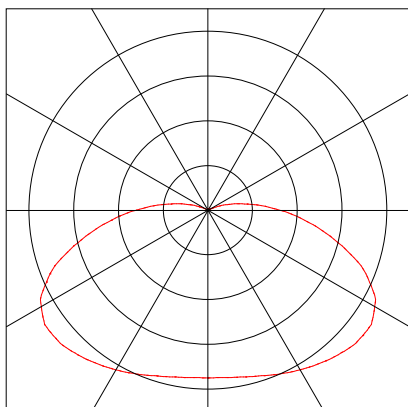
#### Luminaire data

Luminaire efficiency : 100%  
Luminaire efficacy : 16.97 lm/W  
Classification : A21 ↓91.3% ↑8.7%  
CIE Flux Codes : 28 58 84 91 100  
UGR 4H 8H : 37.0 / 37.0  
Power : 10.31 W  
Luminous flux : 175 lm

#### Equipped with

Quantity : 1  
Designation :  
Colour : 2767  
Luminous flux : 175 lm  
Colour reproduction : 91.2

Dimensions : Ø37 mm x 10 mm



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# 1 Luminaire data

## 1.7 not a Relux Member, Product (\*09E68\*)

### 1.7.1 Data sheet

Manufacturer: not a Relux Member

**\*09E68\***      **Product**  
\*\*\*not licensed\*\*\*

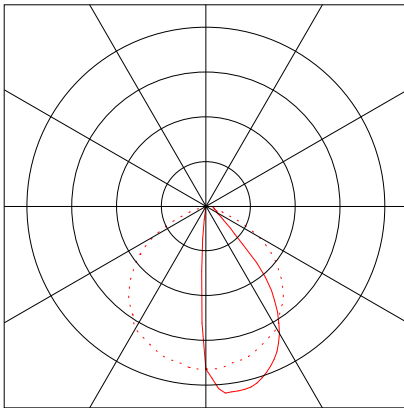
#### Luminaire data

Luminaire efficiency : 100%  
Luminaire efficacy : 49.25 lm/W  
Classification : A50 ↓99.7% ↑0.3%  
CIE Flux Codes : 63 89 98 100 100  
UGR 4H 8H : 18.5 / 22.5  
Power : 7 W  
Luminous flux : 344.7 lm

#### Equipped with

Quantity : 1  
Designation : Led  
Colour : 3000  
Luminous flux : 344.7 lm  
Colour reproduction : 0

Dimensions : 598 mm x 30 mm x 200 mm



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# 1 Luminaire data

## 1.8 not a Relux Member, Product (\*C0F34\*)

### 1.8.1 Data sheet

Manufacturer: not a Relux Member

**\*C0F34\***      **Product**  
\*\*\*not licensed\*\*\*

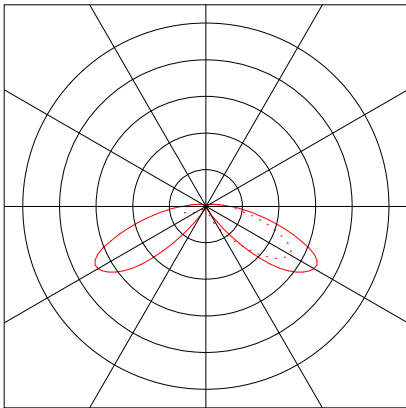
#### Luminaire data

Luminaire efficiency : 40.3%  
Luminaire efficacy : 39.79 lm/W  
Classification : A11 ↓90.6% ↑9.4%  
CIE Flux Codes : 7 42 82 91 40  
Glare : n/a / D5  
Power : 15.8 W  
Luminous flux : 628.7 lm

#### Equipped with

Quantity : 3  
Designation : LED-3/13W/827  
- 2700K  
Colour : 2700K  
Luminous flux : 520 lm  
Colour reproduction : 80

Dimensions : Ø180 mm x 614 mm



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Object : Ampney Park  
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# 1 Luminaire data

## 1.9 not a Relux Member, Product (\*D6E1E\*)

### 1.9.1 Data sheet

Manufacturer: not a Relux Member

**\*D6E1E\***      **Product**  
\*\*\*not licensed\*\*\*

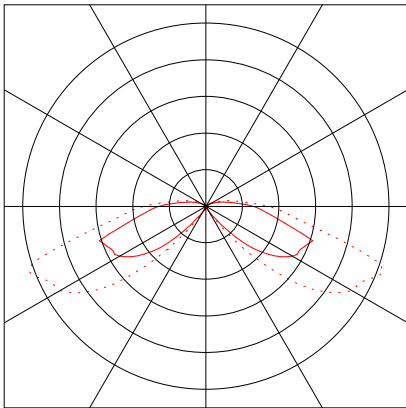
#### Luminaire data

Luminaire efficiency : 32%  
Luminaire efficacy : 37.49 lm/W  
Classification : B11 ↓87.2% ↑12.8%  
CIE Flux Codes : 3 33 77 87 32  
UGR 4H 8H : 26.2 / 28.5  
Power : 21 W  
Luminous flux : 787.2 lm

#### Equipped with

Quantity : 6  
Designation : LED-6/18W/827  
- 2700K  
Colour : 2700K  
Luminous flux : 410 lm  
Colour reproduction : 80

Dimensions : Ø180 mm x 614 mm



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Object : Ampney Park  
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# 1 Luminaire data

## 1.10 not a Relux Member, Product (\*D55BB\*)

### 1.10.1 Data sheet

Manufacturer: not a Relux Member

**\*D55BB\*** Product  
\*\*\*not licensed\*\*\*

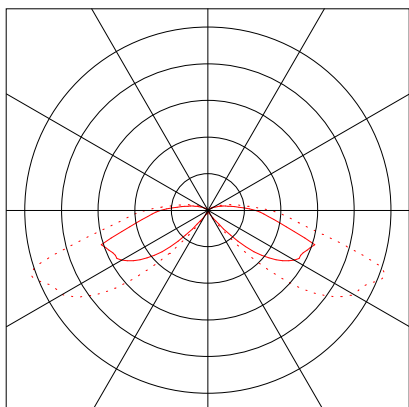
#### Luminaire data

Luminaire efficiency : 32%  
Luminaire efficacy : 34.43 lm/W  
Classification : B11 ↓87.2% ↑12.8%  
CIE Flux Codes : 3 33 77 87 32  
UGR 4H 8H : 27.0 / 29.4  
Power : 29 W  
Luminous flux : 998.4 lm

Dimensions : Ø180 mm x 614 mm

#### Equipped with

Quantity : 6  
Designation : LED-6/26W/827  
- 2700K  
Colour : 2700K  
Luminous flux : 520 lm  
Colour reproduction : 80

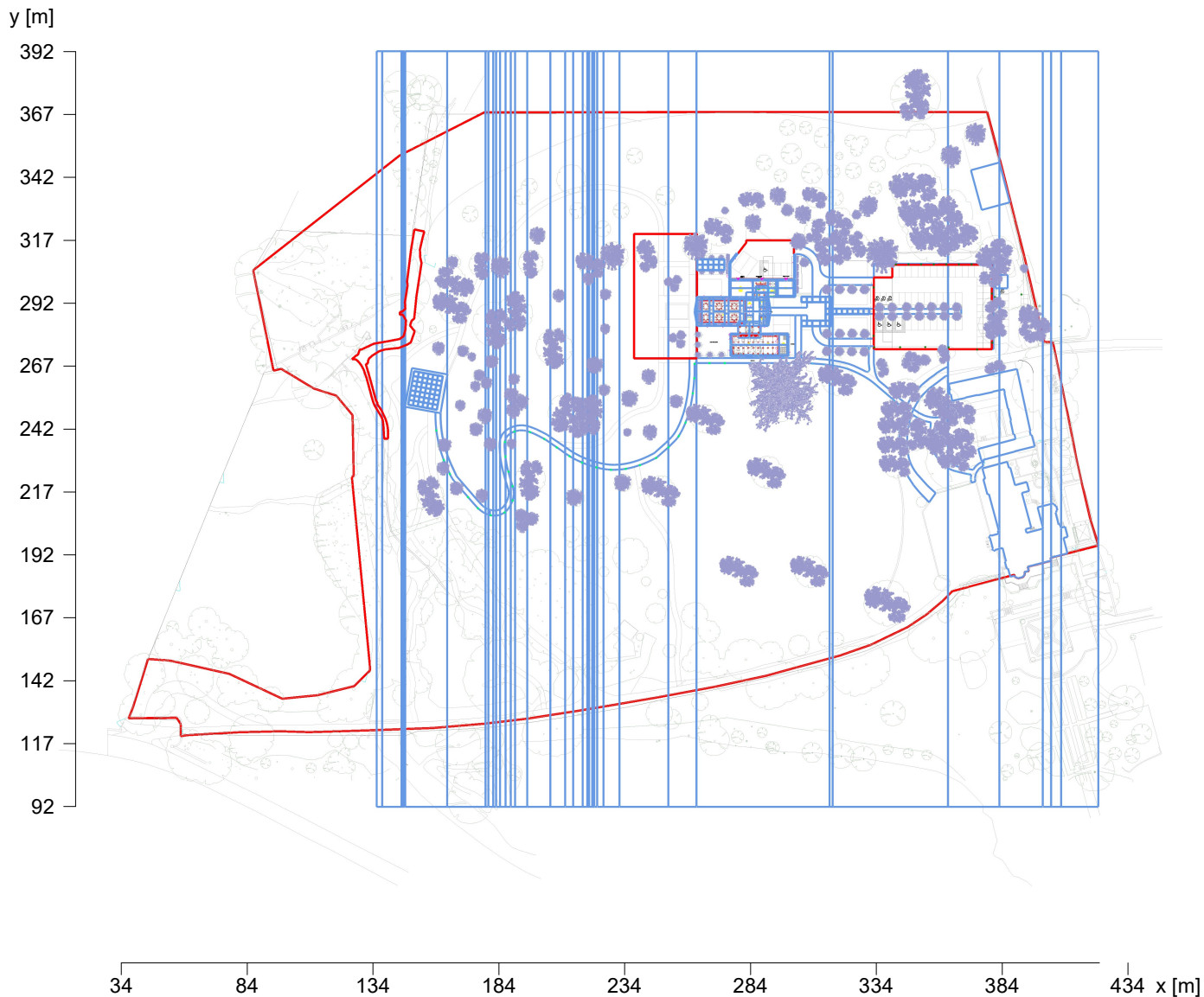


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## 2 Exterior 1

### 2.1 Description, Exterior 1

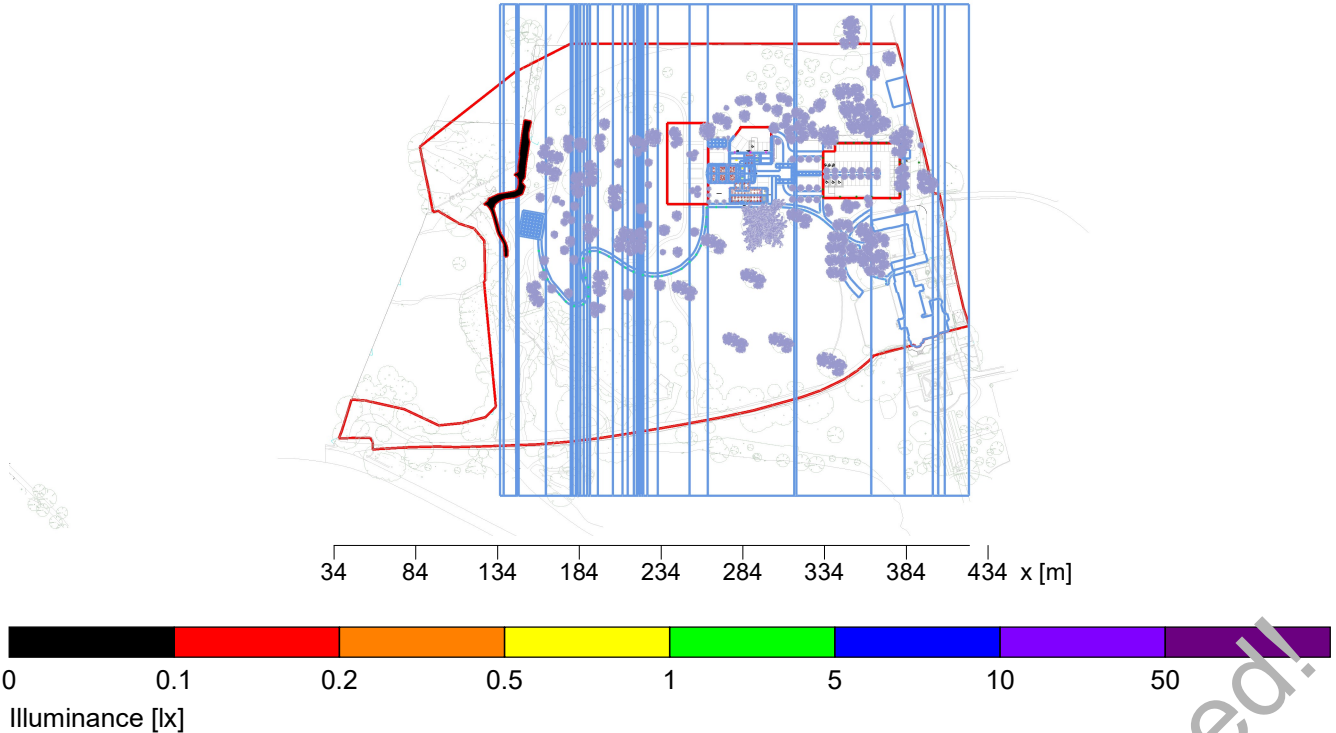
#### 2.1.1 Floor plan



## 2 Exterior 1

### 2.2 Summary, Exterior 1

#### 2.2.1 Result overview, Ampney Brook





#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	1.50 m
Maintenance factor	0.80
Total luminous flux	180731.2 lm
Total power	2329.4 W
Total power per area (64249.67 m <sup>2</sup> )	0.04 W/m <sup>2</sup>

#### Illuminance

Average illuminance	$\bar{E}_m$	0 lx
Minimum illuminance	$E_{min}$	0 lx
Maximum illuminance	$E_{max}$	0 lx
Uniformity $U_0$	$E_{min}/\bar{E}_m$	1:--- (---)
Diversity $U_d$	$E_{min}/E_{max}$	1:--- (---)






#### Type No. Make

<b>not a Relux Member</b>	
2 21 x	Order No. : *D4715
	Luminaire name : Product
	Equipment : 6 x LED-6/12W/827 - 2700K / 270 lm
3 11 x	Order No. : *D41D8*
	Luminaire name : Product
	Equipment : 1 x 14.34 W / 949 lm

## 2 Exterior 1

### 2.2 Summary, Exterior 1

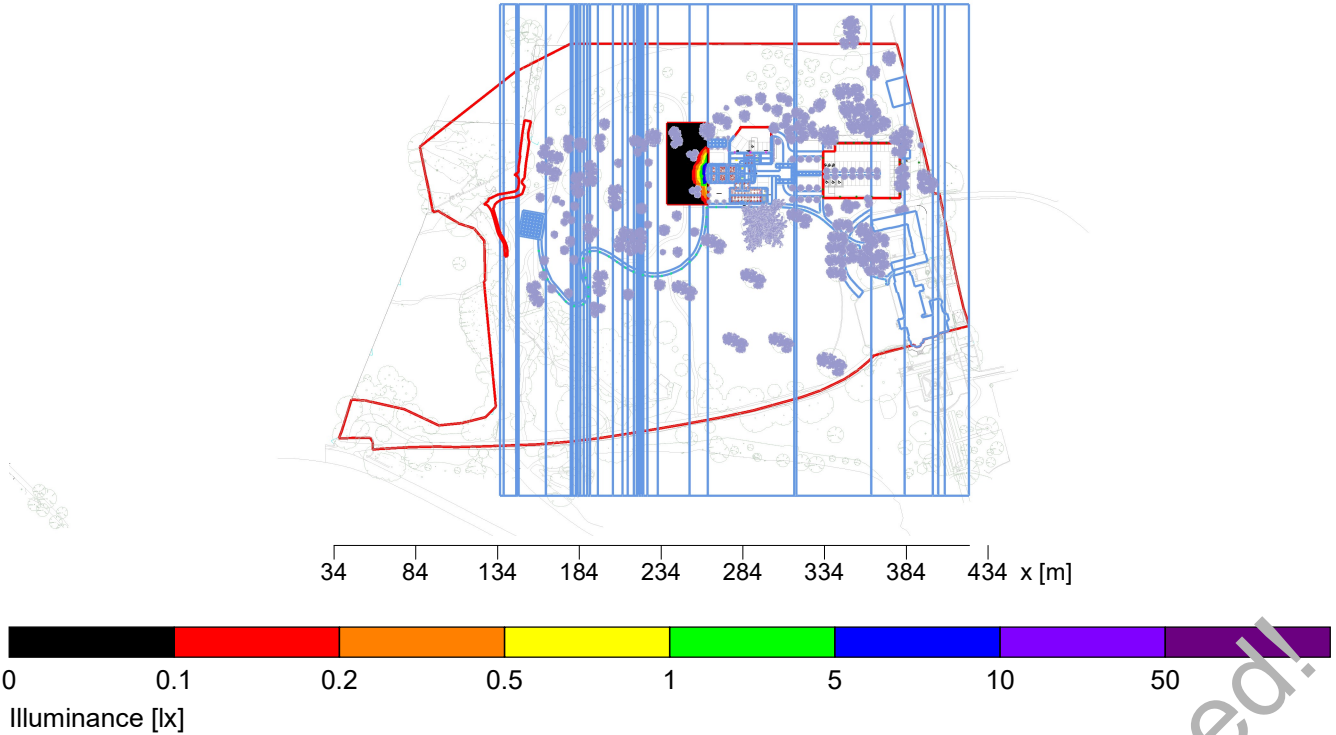
#### 2.2.1 Result overview, Ampney Brook

- 4 1 x  Order No. : \*D41D8\*  
Luminaire name : Product  
Equipment : 1 x 14.61 W / 545 lm
- 6 34 x  Order No. : \*D41D8\*  
Luminaire name : Product  
Equipment : 1 x 10.31 W / 175 lm
- 7 34 x  Order No. : \*09E68\*  
Luminaire name : Product  
Equipment : 1 x Led 7 W / 344.74 lm
- 8 24 x  Order No. : \*C0F34\*  
Luminaire name : Product  
Equipment : 3 x LED-3/13W/827 - 2700K / 520 lm
- 10 14 x  Order No. : \*D55BB\*  
Luminaire name : Product  
Equipment : 6 x LED-6/26W/827 - 2700K / 520 lm
- Zumtobel**  
5 114 x  Order No. : 60817609  
Luminaire name : SUP2 S R44 LED350-927 SP 350MA WH WH  
Equipment : 1 x LED 4 W / 324 lm

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## 2.2 Summary, Exterior 1

### 2.2.2 Result overview, Venue Towards Brook





#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	9.50 m
Maintenance factor	0.80
Total luminous flux	180731.2 lm
Total power	2329.4 W
Total power per area (64249.67 m <sup>2</sup> )	0.04 W/m <sup>2</sup>

#### Illuminance







Average illuminance	$\bar{E}_m$	0.4 lx
Minimum illuminance	$E_{min}$	0 lx
Maximum illuminance	$E_{max}$	12.1 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:335 (0)
Diversity $U_d$	$E_{min}/E_{max}$	1:9520 (0)

#### Type No./Make

- not a Relux Member**
- 2 21 x  Order No. : \*D4715  
 Luminaire name : Product  
 Equipment : 6 x LED-6/12W/827 - 2700K / 270 lm
- 3 11 x  Order No. : \*D41D8\*  
 Luminaire name : Product  
 Equipment : 1 x 14.34 W / 949 lm

## 2.2 Summary, Exterior 1

### 2.2.2 Result overview, Venue Towards Brook

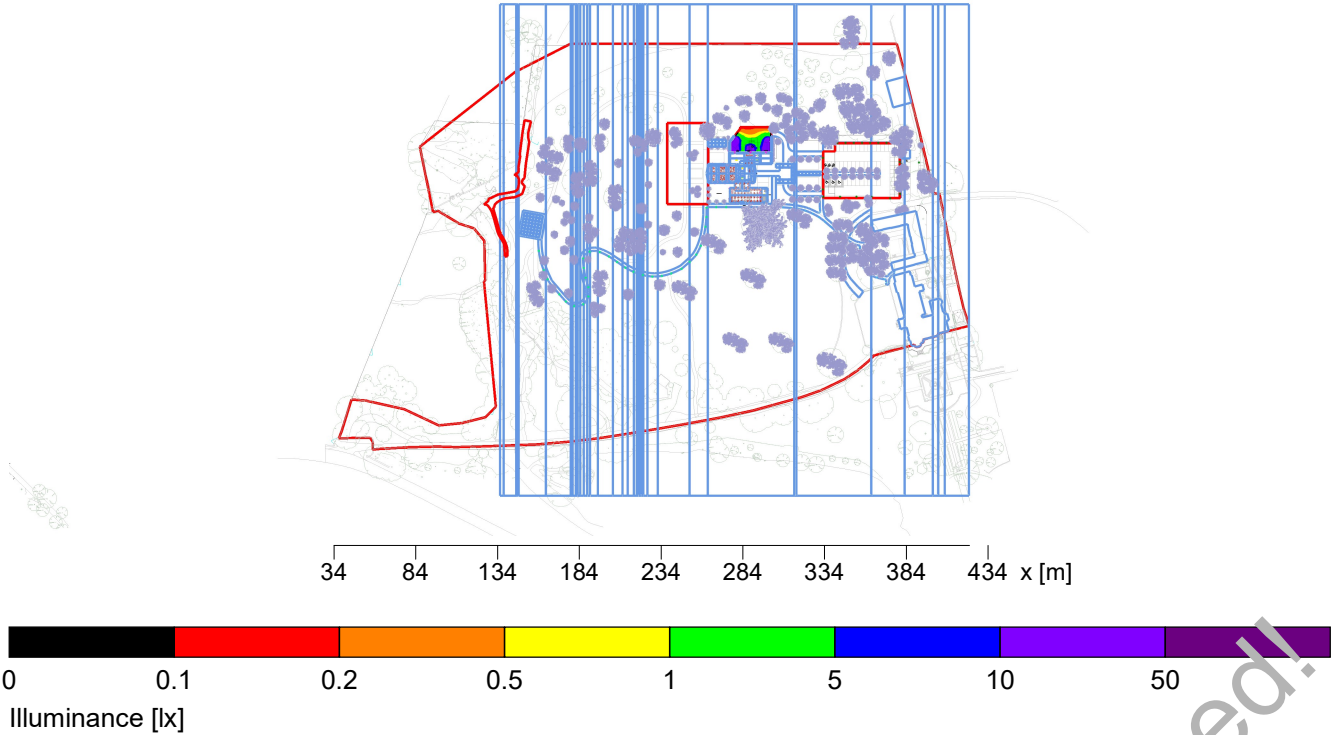
4	1 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 14.61 W / 545 lm
6	34 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 10.31 W / 175 lm
7	34 x		Order No. : *09E68*
			Luminaire name : Product
			Equipment : 1 x Led 7 W / 344.74 lm
8	24 x		Order No. : *C0F34*
			Luminaire name : Product
			Equipment : 3 x LED-3/13W/827 - 2700K / 520 lm
10	14 x		Order No. : *D55BB*
			Luminaire name : Product
			Equipment : 6 x LED-6/26W/827 - 2700K / 520 lm
			<b>Zumtobel</b>
5	114 x		Order No. : 60817609
			Luminaire name : SUP2 S R44 LED350-927 SP 350MA WH WH
			Equipment : 1 x LED 4 W / 324 lm

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## 2.2 Summary, Exterior 1

### 2.2.3 Result overview, Venue Service Yard





#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	9.50 m
Maintenance factor	0.80
Total luminous flux	180731.2 lm
Total power	2329.4 W
Total power per area (64249.67 m <sup>2</sup> )	0.04 W/m <sup>2</sup>

#### Illuminance







Average illuminance	$\bar{E}_m$	8.1 lx
Minimum illuminance	$E_{min}$	0.2 lx
Maximum illuminance	$E_{max}$	40.5 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:44.4 (0.02)
Diversity $U_d$	$E_{min}/E_{max}$	1:223 (0)

#### Type No./Make

- not a Relux Member**
- 2 21 x  Order No. : \*D4715  
 Luminaire name : Product  
 Equipment : 6 x LED-6/12W/827 - 2700K / 270 lm
- 3 11 x  Order No. : \*D41D8\*  
 Luminaire name : Product  
 Equipment : 1 x 14.34 W / 949 lm

## 2.2 Summary, Exterior 1

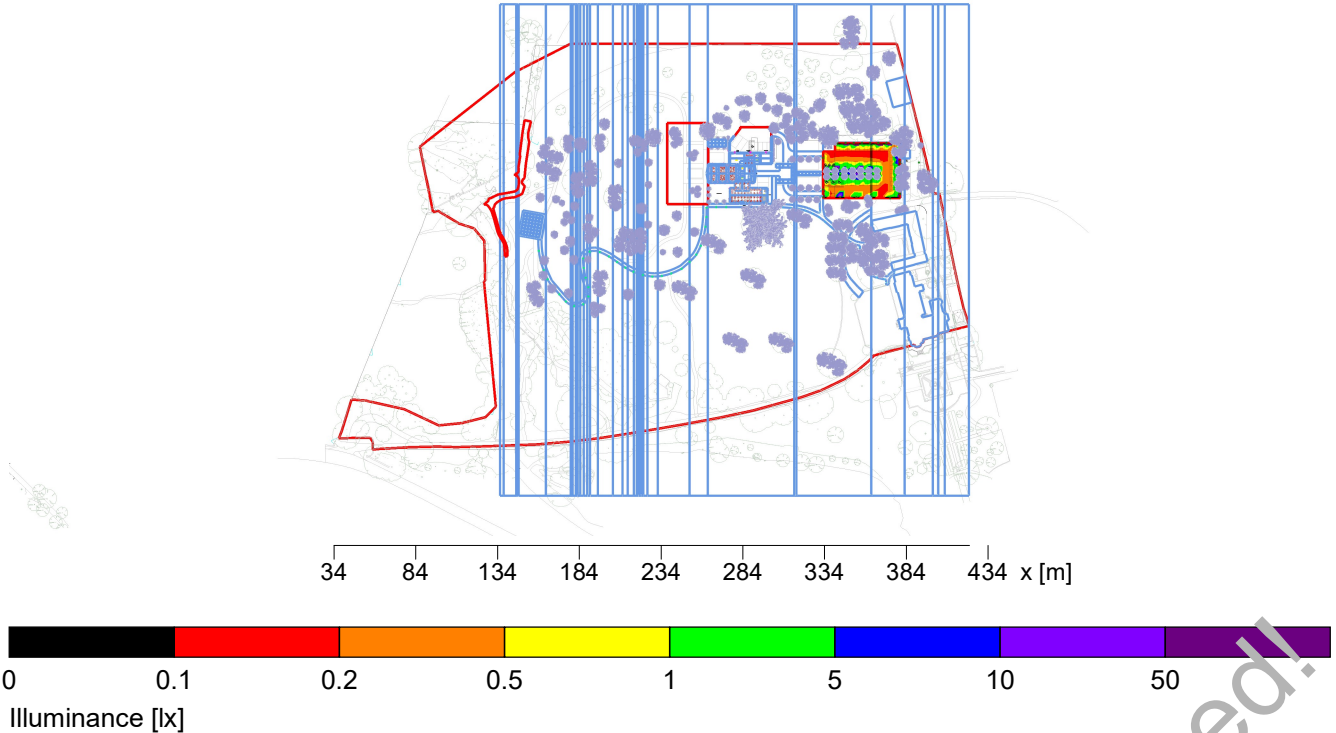
### 2.2.3 Result overview, Venue Service Yard

4	1 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 14.61 W / 545 lm
6	34 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 10.31 W / 175 lm
7	34 x		Order No. : *09E68*
			Luminaire name : Product
			Equipment : 1 x Led 7 W / 344.74 lm
8	24 x		Order No. : *C0F34*
			Luminaire name : Product
			Equipment : 3 x LED-3/13W/827 - 2700K / 520 lm
10	14 x		Order No. : *D55BB*
			Luminaire name : Product
			Equipment : 6 x LED-6/26W/827 - 2700K / 520 lm
			<b>Zumtobel</b>
5	114 x		Order No. : 60817609
			Luminaire name : SUP2 S R44 LED350-927 SP 350MA WH WH
			Equipment : 1 x LED 4 W / 324 lm

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## 2.2 Summary, Exterior 1

### 2.2.4 Result overview, Car Park






#### General

Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	180731.2 lm
Total power	2329.4 W
Total power per area (64249.67 m <sup>2</sup> )	0.04 W/m <sup>2</sup>

#### Illuminance






Average illuminance	$\bar{E}_m$	4 lx
Minimum illuminance	$E_{min}$	0 lx
Maximum illuminance	$E_{max}$	171 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:20.5 (0.04)
Diversity $U_d$	$E_{min}/E_{max}$	1:1260 (0)

#### Type No.Make

- not a Relux Member**
- 2 21 x  Order No. : \*D47F5\*  
 Luminaire name : Product  
 Equipment : 6 x LED-6/12W/827 - 2700K / 270 lm
  - 3 11 x  Order No. : \*D41D8\*  
 Luminaire name : Product  
 Equipment : 1 x 14.34 W / 949 lm
  - 4 1 x  Order No. : \*D41D8\*  
 Luminaire name : Product  
 Equipment : 1 x 14.61 W / 545 lm

## 2.2 Summary, Exterior 1

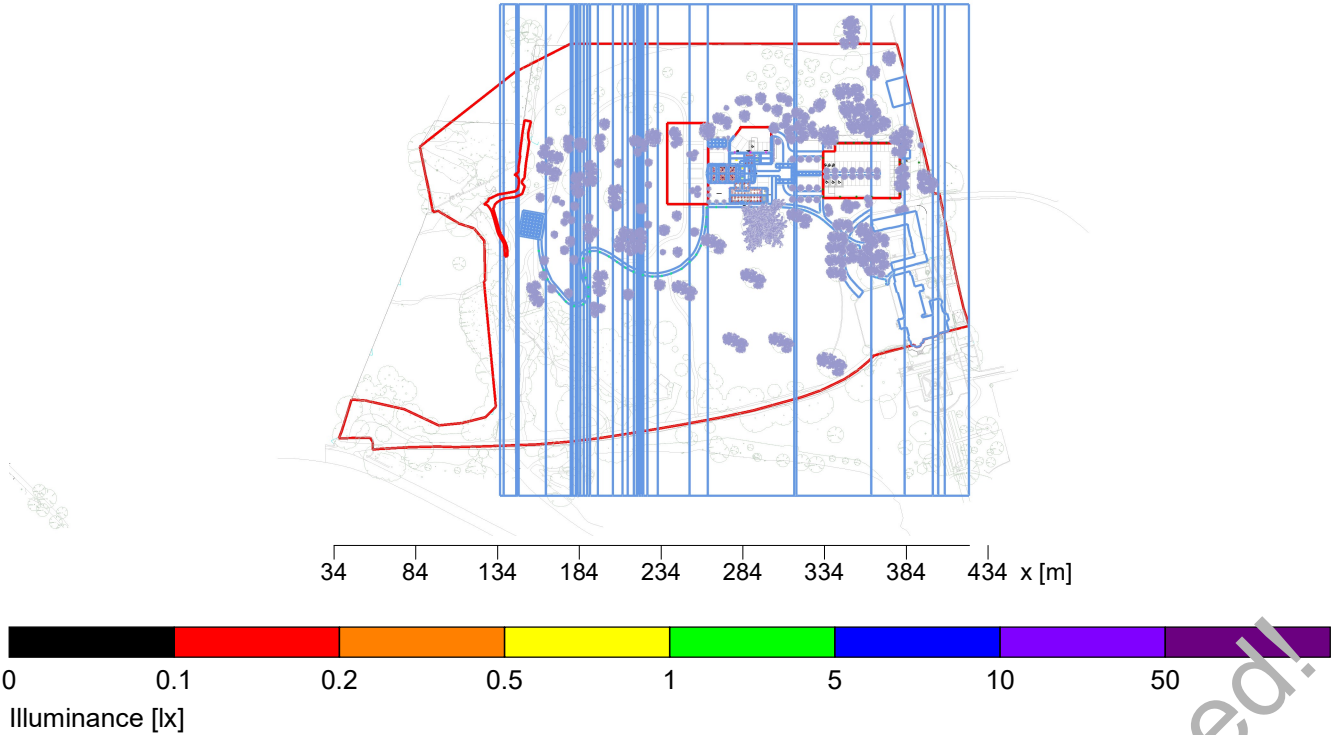
### 2.2.4 Result overview, Car Park

- 6 34 x  Order No. : \*D41D8\*  
Luminaire name : Product  
Equipment : 1 x 10.31 W / 175 lm
- 7 34 x  Order No. : \*09E68\*  
Luminaire name : Product  
Equipment : 1 x Led 7 W / 344.74 lm
- 8 24 x  Order No. : \*C0F34\*  
Luminaire name : Product  
Equipment : 3 x LED-3/13W/827 - 2700K / 520 lm
- 10 14 x  Order No. : \*D55BB\*  
Luminaire name : Product  
Equipment : 6 x LED-6/26W/827 - 2700K / 520 lm
- Zumtobel**  
5 114 x  Order No. : 60817609  
Luminaire name : SUP2 S R44 LED350-927 SP 350MA WH WH  
Equipment : 1 x LED 4 W / 324 lm

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## 2.2 Summary, Exterior 1

### 2.2.5 Result overview, Venue Hall





#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	10.21 m
Maintenance factor	0.80
Total luminous flux	180731.2 lm
Total power	2329.4 W
Total power per area (64249.67 m <sup>2</sup> )	0.04 W/m <sup>2</sup>

#### Illuminance







Average illuminance	$\bar{E}_m$	82 lx
Minimum illuminance	$E_{min}$	1 lx
Maximum illuminance	$E_{max}$	167 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:11 (0.01)
Diversity $U_d$	$E_{min}/E_{max}$	1:495 (0)

#### Type No./Make

- not a Relux Member**
- 2 21 x  Order No. : \*D4715  
 Luminaire name : Product  
 Equipment : 6 x LED-6/12W/827 - 2700K / 270 lm
- 3 11 x  Order No. : \*D41D8\*  
 Luminaire name : Product  
 Equipment : 1 x 14.34 W / 949 lm

## 2.2 Summary, Exterior 1

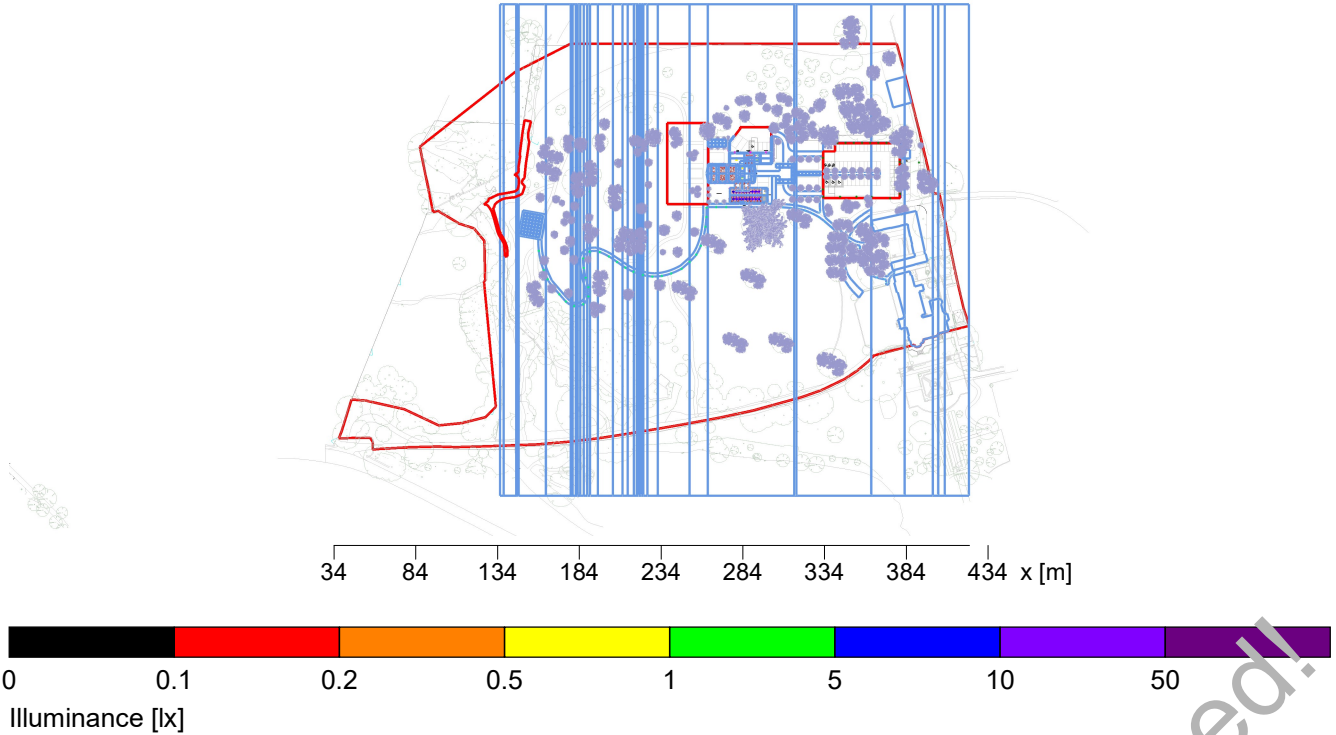
### 2.2.5 Result overview, Venue Hall

4	1 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 14.61 W / 545 lm
6	34 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 10.31 W / 175 lm
7	34 x		Order No. : *09E68*
			Luminaire name : Product
			Equipment : 1 x Led 7 W / 344.74 lm
8	24 x		Order No. : *C0F34*
			Luminaire name : Product
			Equipment : 3 x LED-3/13W/827 - 2700K / 520 lm
10	14 x		Order No. : *D55BB*
			Luminaire name : Product
			Equipment : 6 x LED-6/26W/827 - 2700K / 520 lm
			<b>Zumtobel</b>
5	114 x		Order No. : 60817609
			Luminaire name : SUP2 S R44 LED350-927 SP 350MA WH WH
			Equipment : 1 x LED 4 W / 324 lm

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## 2.2 Summary, Exterior 1

### 2.2.6 Result overview, Venue Bar





#### General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	10.21 m
Maintenance factor	0.80
Total luminous flux	180731.2 lm
Total power	2329.4 W
Total power per area (64249.67 m <sup>2</sup> )	0.04 W/m <sup>2</sup>

#### Illuminance







Average illuminance	$\bar{E}_m$	59 lx
Minimum illuminance	$E_{min}$	6 lx
Maximum illuminance	$E_{max}$	163 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	1:10.1 (0.1)
Diversity $U_d$	$E_{min}/E_{max}$	1:62.6 (0.02)

#### Type No./Make

- not a Relux Member**
- 2 21 x  Order No. : \*D4715  
 Luminaire name : Product  
 Equipment : 6 x LED-6/12W/827 - 2700K / 270 lm
- 3 11 x  Order No. : \*D41D8\*  
 Luminaire name : Product  
 Equipment : 1 x 14.34 W / 949 lm

## 2.2 Summary, Exterior 1

### 2.2.6 Result overview, Venue Bar

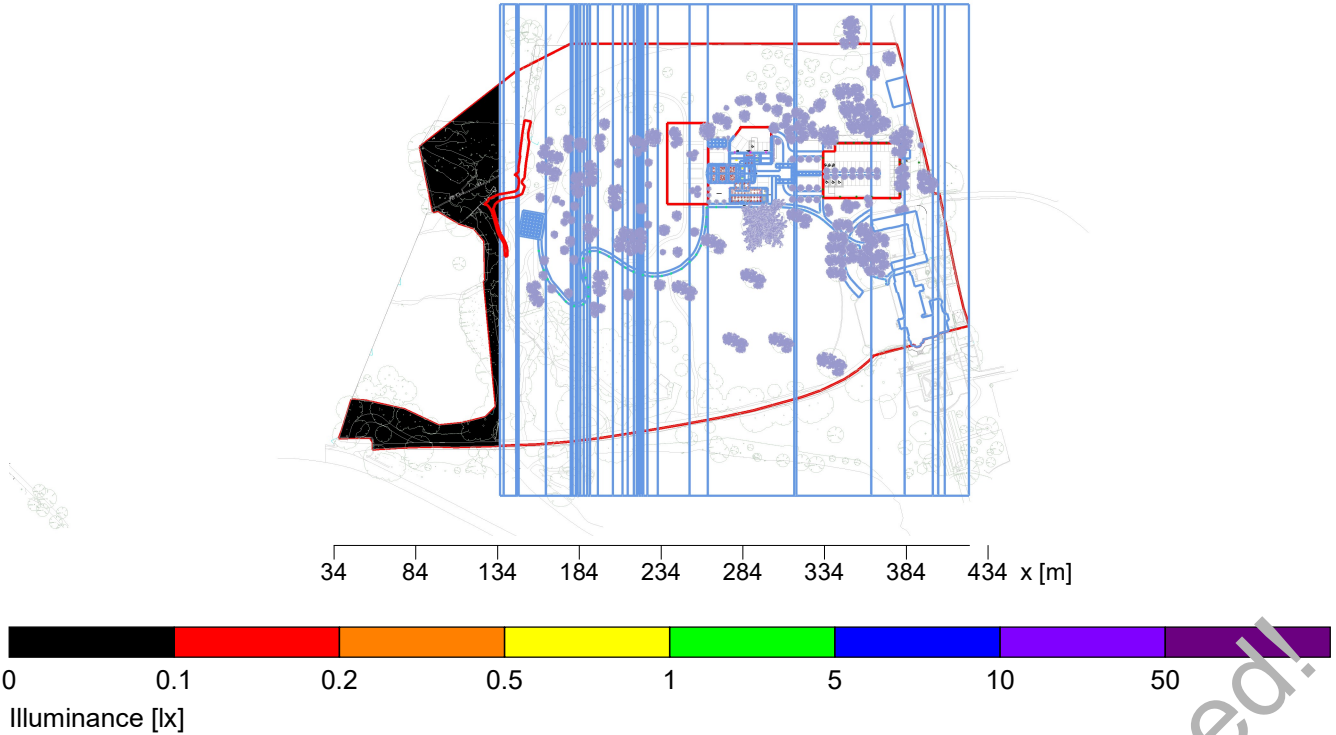
4	1 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 14.61 W / 545 lm
6	34 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 10.31 W / 175 lm
7	34 x		Order No. : *09E68*
			Luminaire name : Product
			Equipment : 1 x Led 7 W / 344.74 lm
8	24 x		Order No. : *C0F34*
			Luminaire name : Product
			Equipment : 3 x LED-3/13W/827 - 2700K / 520 lm
10	14 x		Order No. : *D55BB*
			Luminaire name : Product
			Equipment : 6 x LED-6/26W/827 - 2700K / 520 lm
			<b>Zumtobel</b>
5	114 x		Order No. : 60817609
			Luminaire name : SUP2 S R44 LED350-927 SP 350MA WH WH
			Equipment : 1 x LED 4 W / 324 lm

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## 2.2 Summary, Exterior 1

### 2.2.7 Result overview, Evaluation area 1



#### General



Calculation algorithm used	Average indirect fraction
Maintenance factor	0.80
Total luminous flux	180731.23 lm
Total power	2329.4 W
Total power per area (64249.68 m <sup>2</sup> )	0.04 W/m <sup>2</sup> (2120 1.62 W/m <sup>2</sup> /100lx)

#### Evaluation area 1

#### Reference plane 1.1







	Horizontal
$\bar{E}_m$	0 lx
$E_{min}$	0 lx
$E_{min}/\bar{E}_m (U_0)$	---
$E_{min}/E_{max} (U_d)$	---
Position	0.00 m

#### Type No./Make

<b>not a Relux Member</b>	
2 21 x	Order No. : *D4715*
	Luminaire name : Product
	Equipment : 6 x LED-6/12W/827 - 2700K / 270 lm
3 11 x	Order No. : *D41D8*
	Luminaire name : Product
	Equipment : 1 x 14.34 W / 949 lm

## 2.2 Summary, Exterior 1

### 2.2.7 Result overview, Evaluation area 1

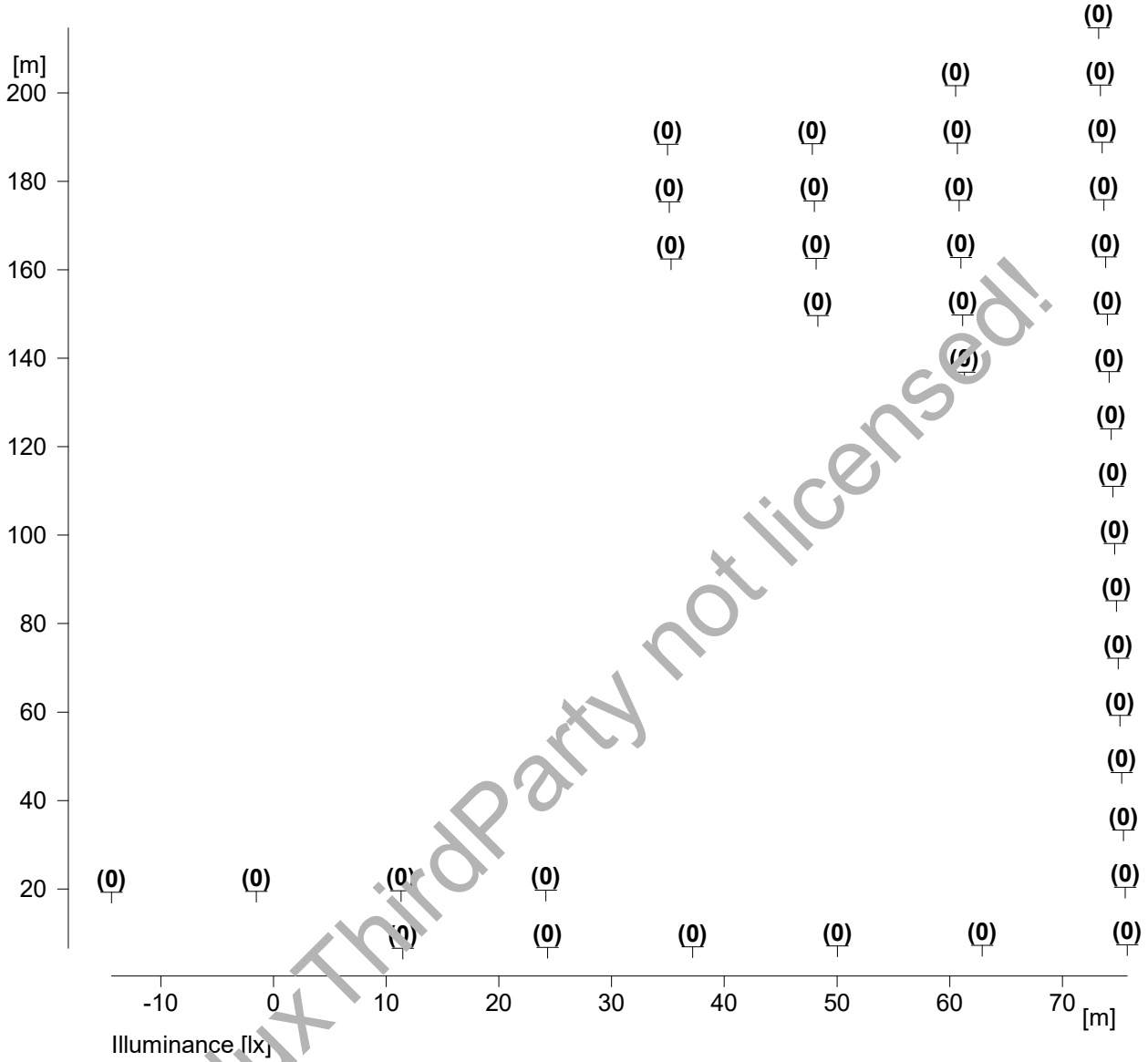
4	1 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 14.61 W / 545 lm
6	34 x		Order No. : *D41D8*
			Luminaire name : Product
			Equipment : 1 x 10.31 W / 175 lm
7	34 x		Order No. : *09E68*
			Luminaire name : Product
			Equipment : 1 x Led 7 W / 344.74 lm
8	24 x		Order No. : *C0F34*
			Luminaire name : Product
			Equipment : 3 x LED-3/13W/827 - 2700K / 520 lm
10	14 x		Order No. : *D55BB*
			Luminaire name : Product
			Equipment : 6 x LED-6/26W/827 - 2700K / 520 lm
			<b>Zumtobel</b>
5	114 x		Order No. : 60817609
			Luminaire name : SUP2 S R44 LED350-927 SP 350MA WH WH
			Equipment : 1 x LED 4 W / 324 lm

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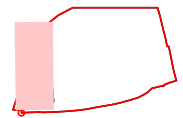
**2 Exterior 1**

**2.3 Calculation results, Exterior 1**

**2.3.1 Table, Reference plane 1.1 (E)**

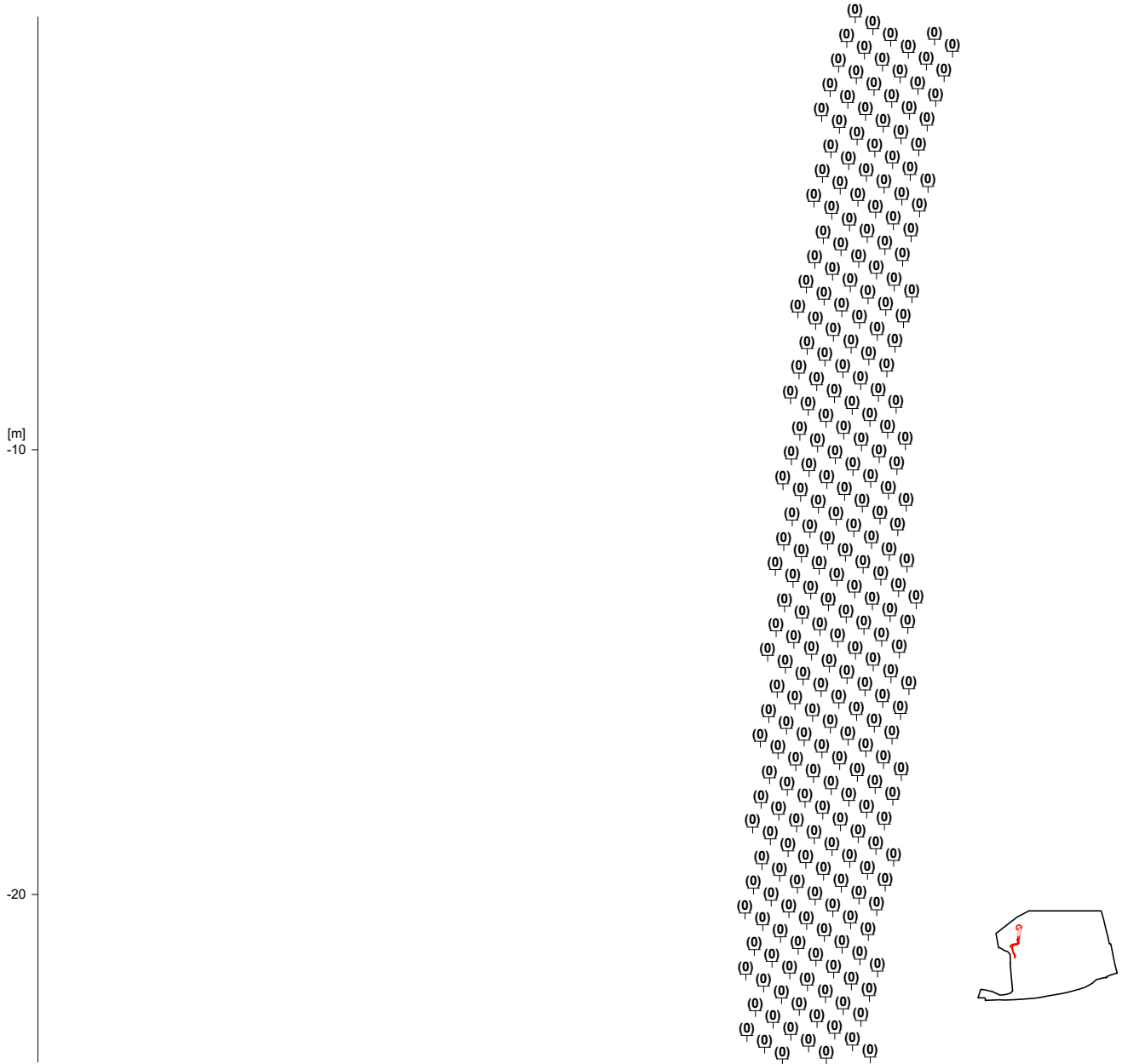


Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 0 lx
Minimum illuminance	$E_{min}$	: 0 lx
Maximum illuminance	$E_{max}$	: 0 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	: ---
Diversity $U_d$	$E_{min}/E_{max}$	: ---



## 2.3 Calculation results, Exterior 1

### 2.3.2 Table, Ampney Brook (E)

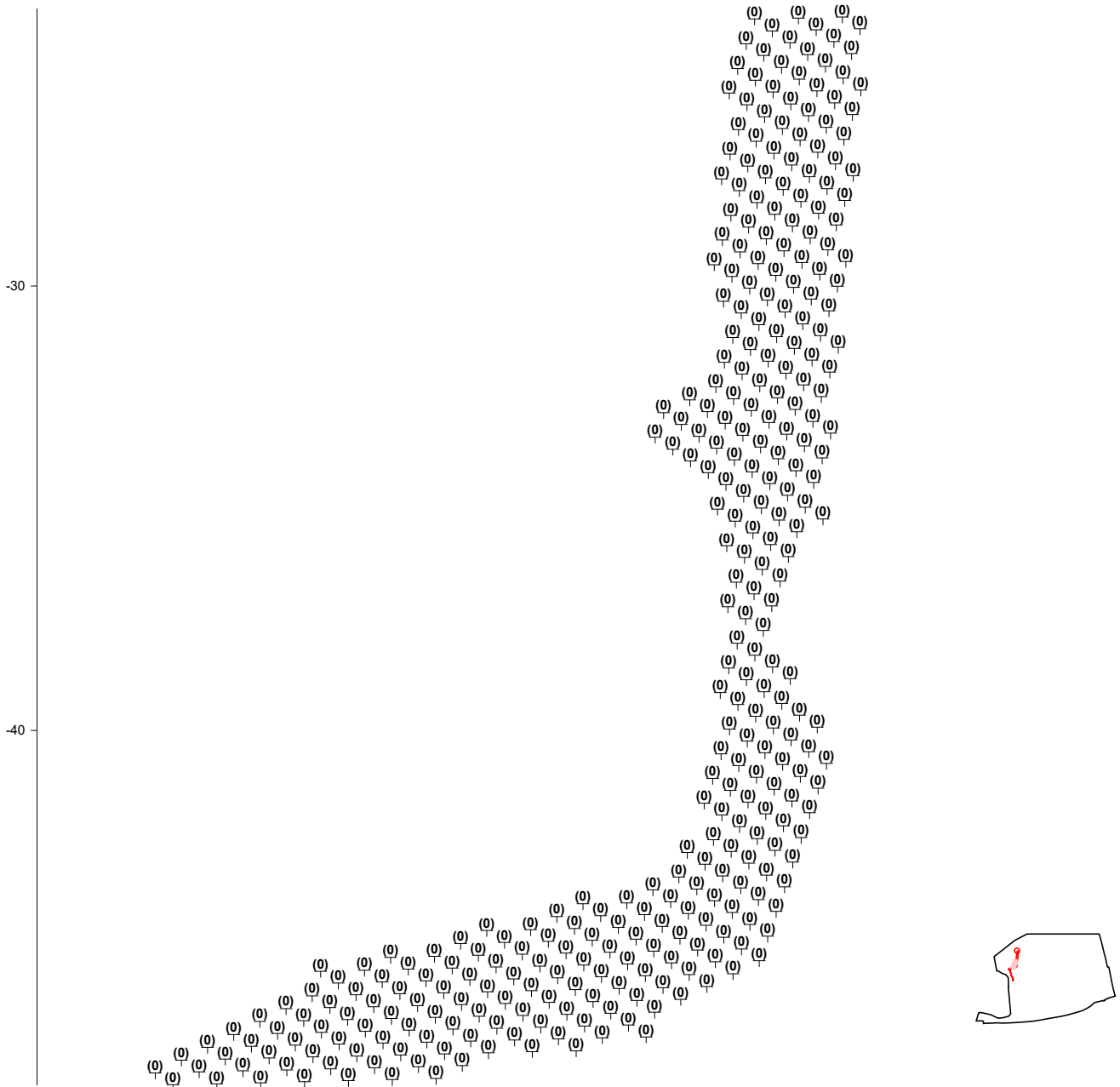


Part1

Height reference plane		: 1.50 m
Average illuminance	$\bar{E}_m$	: 0 lx
Minimum illuminance	$E_{min}$	: 0 lx
Maximum illuminance	$E_{max}$	: 0 lx
Uniformity $U_0$	$E_{min}/\bar{E}_m$	: ---
Diversity $U_d$	$E_{min}/E_{max}$	: ---

### 2.3 Calculation results, Exterior 1

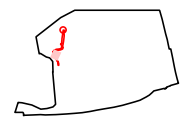
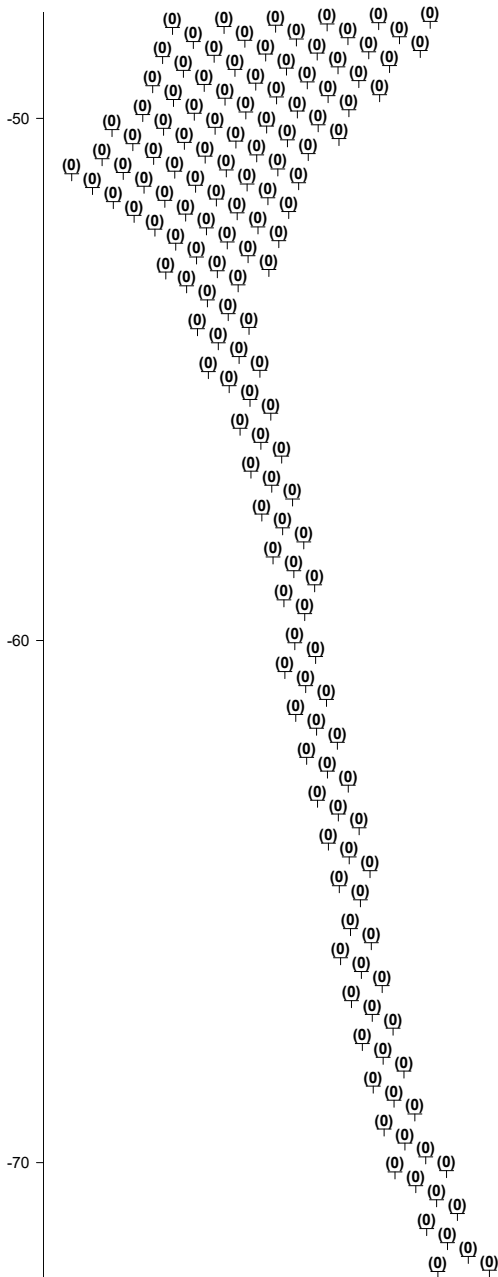
#### 2.3.2 Table, Ampney Brook (E)



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### 2.3 Calculation results, Exterior 1

#### 2.3.2 Table, Ampney Brook (E)

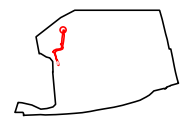
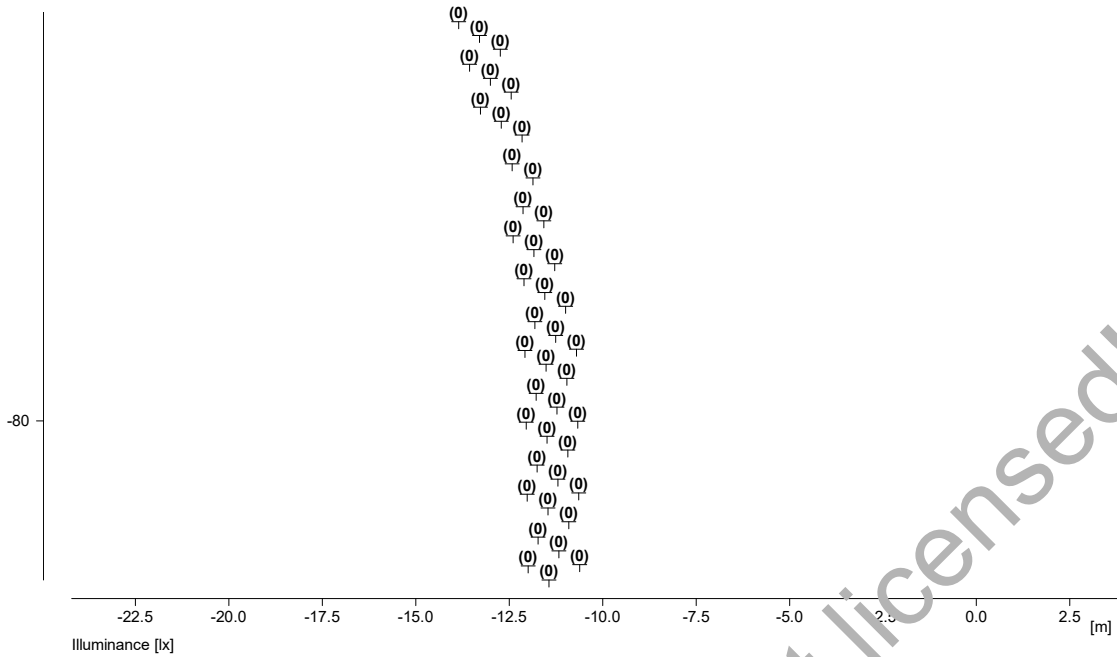


Part3

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### 2.3 Calculation results, Exterior 1

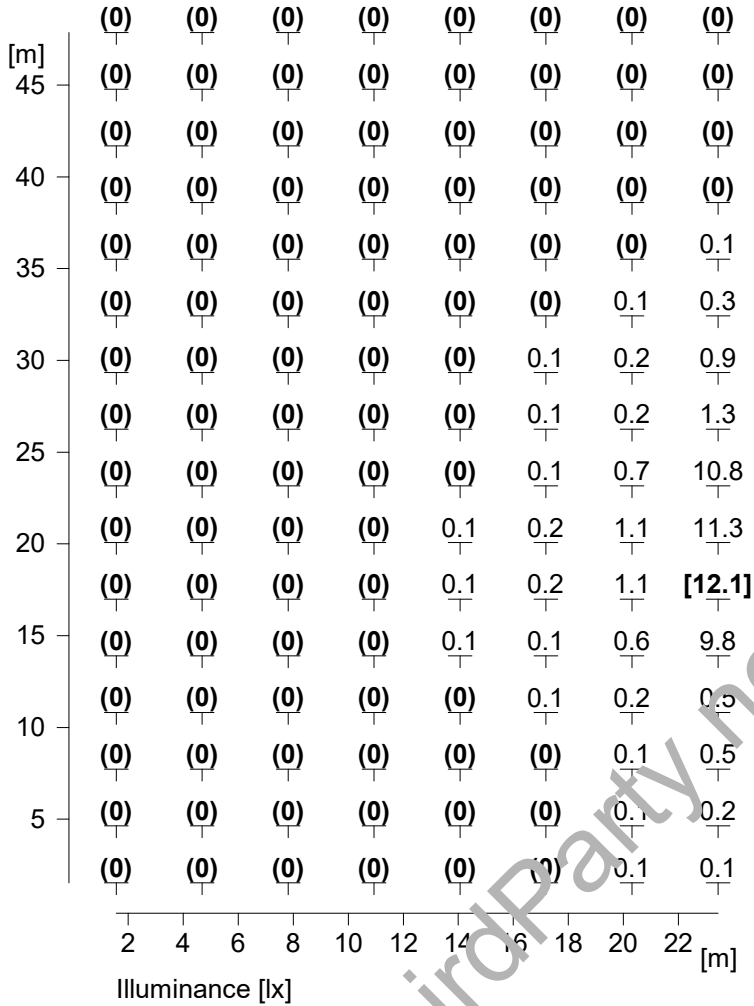
#### 2.3.2 Table, Ampney Brook (E)



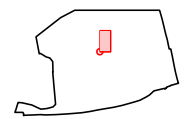
Part4

**2.3 Calculation results, Exterior 1**

**2.3.3 Table, Venue Towards Brook (E)**



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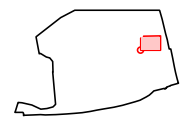
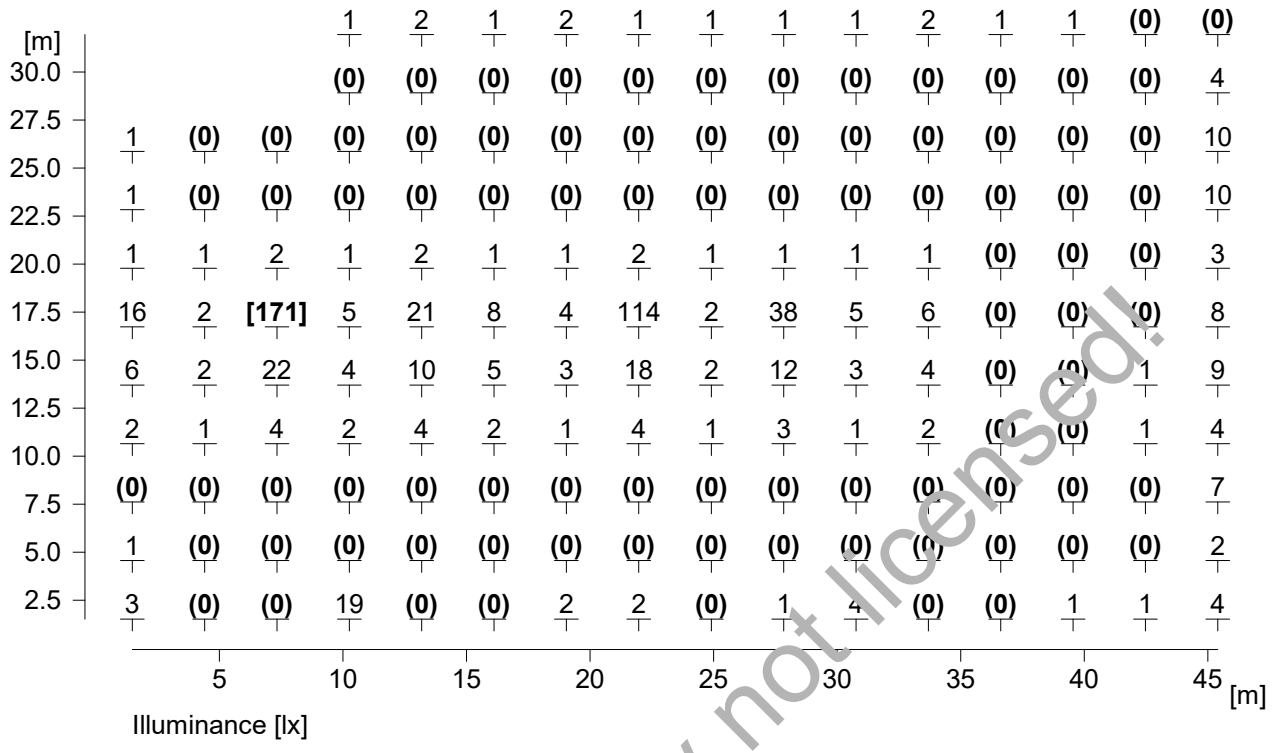
Height reference plane		: 9.50 m
Average illuminance	$\bar{E}_m$	: 0.4 lx
Minimum illuminance	$E_{min}$	: 0 lx
Maximum illuminance	$E_{max}$	: 12.1 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	: 1 : 335.24 (0.00)
Diversity $U_d$	$E_{min}/E_{max}$	: 1 : 9517.74 (0.00)





**2.3 Calculation results, Exterior 1**

**2.3.5 Table, Car Park (E)**



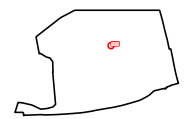
Average illuminance	$\bar{E}_m$	: 4 lx
Minimum illuminance	$E_{min}$	: 0 lx
Maximum illuminance	$E_{max}$	: 171 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	: 1 : 28.55 (0.04)
Diversity $U_d$	$E_{min}/E_{max}$	: 1 : 1257.96 (0.00)

**2.3 Calculation results, Exterior 1**

**2.3.6 Table, Venue Hall (E)**

[m]	39	19	33	12	5	3	6	14	29	10	4	2	3	8	20	19	7	3	(1)	(1)
8	48	303	361	289	15	6	25	298	334	227	10	4	7	93	260	261	80	6	2	(1)
7	80	260	39	268	55	10	128	164	40	330	26	5	11	301	64	71	280	10	2	(1)
6	31	356	146	349	22	9	41	335	146	289	14	5	10	136	199	218	116	8	2	(1)
5	13	45	188	42	10	6	12	51	165	33	7	4	6	20	90	82	18	4	2	(1)
4	11	18	36	16	8	5	9	18	33	14	6	4	5	11	24	23	10	4	2	(1)
3	23	288	<b>[367]</b>	281	15	7	25	290	341	219	11	4	8	89	259	259	79	5	2	(1)
2	78	261	39	262	56	10	123	167	40	324	26	5	11	290	66	71	270	10	2	(1)
1	56	354	137	344	23	8	41	330	137	288	14	4	9	134	194	200	110	8	2	(1)
	43	50	198	43	8	4	11	51	174	34	7	3	5	19	92	86	18	4	2	(1)
		2		4		6		8		10		12		14		16				
		Illuminance [lx]																		

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Height reference plane		: 10.21 m
Average illuminance	$\bar{E}_m$	: 82 lx
Minimum illuminance	$E_{min}$	: 1 lx
Maximum illuminance	$E_{max}$	: 367 lx
Uniformity $U_o$	$E_{min}/\bar{E}_m$	: 1 : 110.96 (0.01)
Diversity $U_d$	$E_{min}/E_{max}$	: 1 : 494.92 (0.00)

