



External

Installation : Channing School

Project number :

Customer : HMS - BIM

Processed by : SH

Date : 09.10.2019

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.

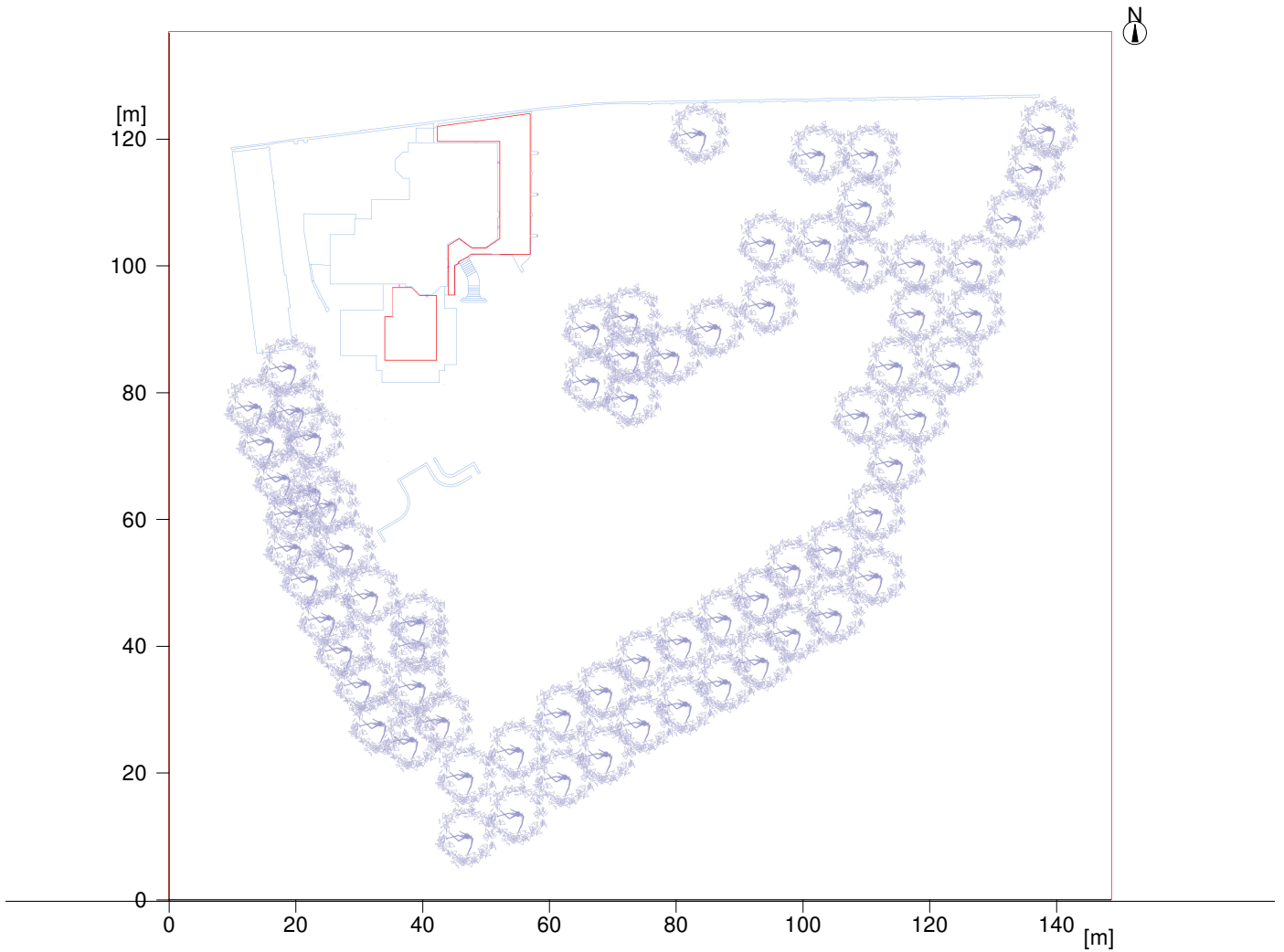
This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

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2.1 Description, External

2.1.2 Floor plan



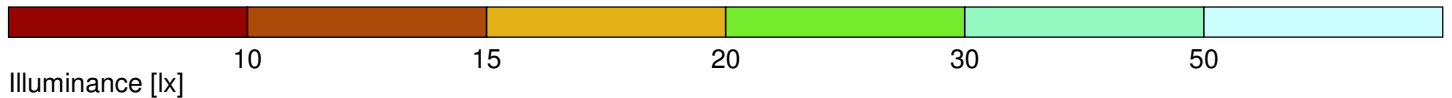
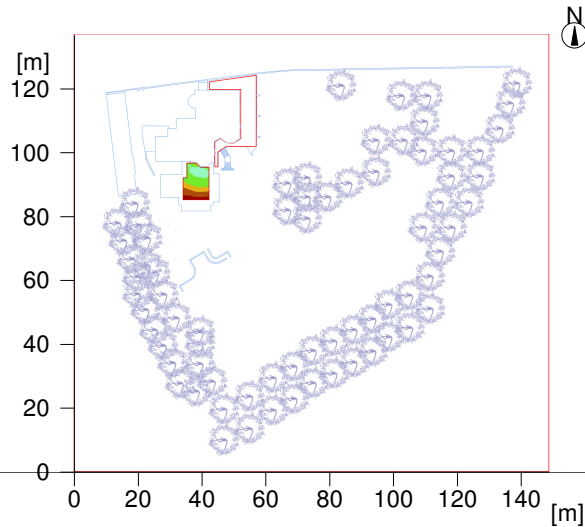
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2 External

2.2 Summary, External

2.2.1 Result overview, Measuring area 1



General



Calculation algorithm used	Average indirect fraction
Height of evaluation surface	3.31 m
Maintenance factor	0.80

Total luminous flux of all lamps	54117 lm
Total power	510.1 W
Total power per area (20315.30 m ²)	0.03 W/m ²

Illuminance

Average illuminance	Em	20.3 lx
Minimum illuminance	Emin	6.5 lx
Maximum illuminance	Emax	37.7 lx
Uniformity U _o	Emin/Em	1:3.13 (0.32)
Diversity U _d	Emin/Emax	1:5.81 (0.17)

Type No.\Make

- | | | | |
|---|----------------|--|--|
| 1 | 15 | LDL | |
|  | Order No. | : BOL/LED/1 | |
| | Luminaire name | : BOL/LED/1 15 watt LED Array | |
| | Equipment | : 1 x 42 SAMSUNG LH351Z LEDs 17 W / 2089 lm | |
| 2 | 5 | | |
|  | Order No. | : COR/L2/3200/4 | |
| | Luminaire name | : CORA Floodlight L2optic 3226lm 38w 840 500mA | |
| | Equipment | : 1 x LED Backlight 38.04 W / 3226 lm | |



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2 External

2.2 Summary, External

2.2.1 Result overview, Measuring area 1

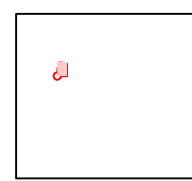
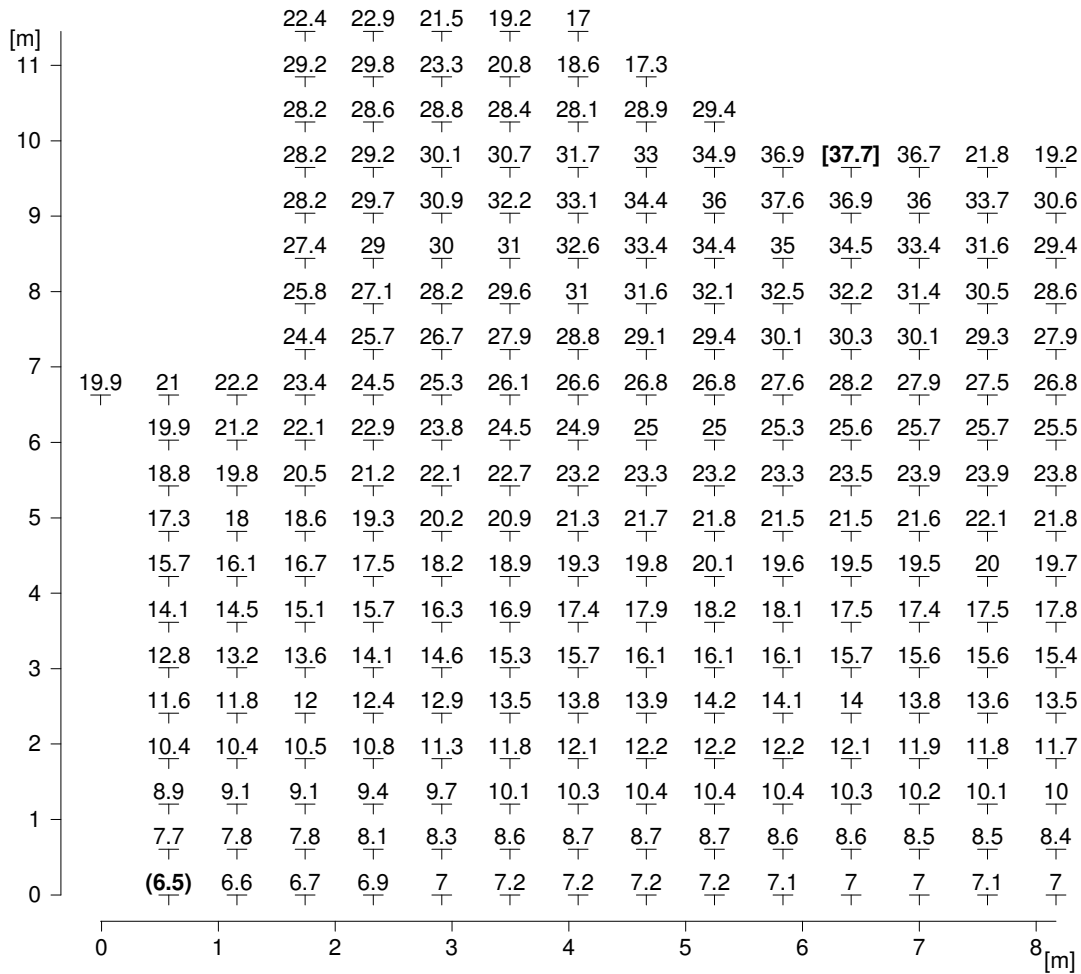
3	1	Order No.	: LUNA/L6/2200/74
		Luminaire name	: LUNA L6optic 2152lm 26w 740 500mA
		Equipment	: 1 x LED Backlight 25.88 W / 2152 lm
4	3	Order No.	: BOX/5410/057
		Luminaire name	: BOX LED 13W LED nw
		Equipment	: 1 x LED SLE-G5-19 13 W / 1500 lm

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2.3 Calculation results, External

2.3.3 Table, Measuring area 1 (E)



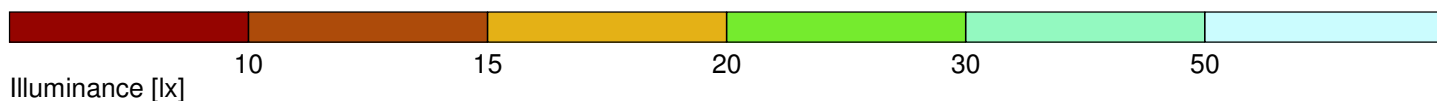
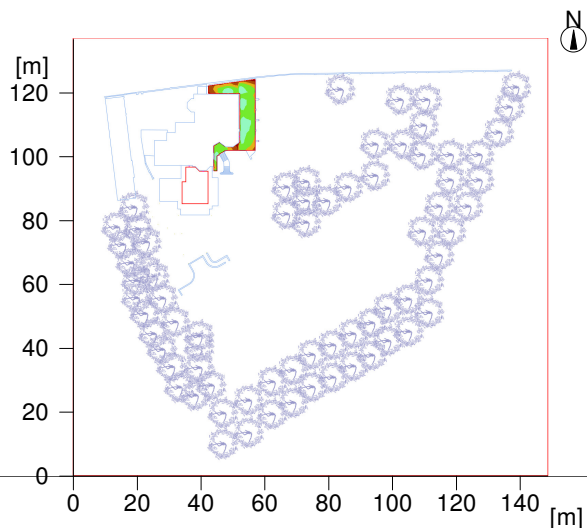
Height reference plane : 3.31 m
 Average illuminance Em : 20.3 lx
 Minimum illuminance Emin : 6.5 lx
 Maximum illuminance Emax : 37.7 lx
 Uniformity Uo Emin/Em : 1 : 3.13 (0.32)
 Diversity Ud Emin/Emax : 1 : 5.81 (0.17)

Object : External
 Installation : Channing School
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2.2 Summary, External

2.2.2 Result overview, Measuring area 2



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	3.31 m
Maintenance factor	0.80

Total luminous flux of all lamps	54117 lm
Total power	510.1 W
Total power per area (20315.30 m ²)	0.03 W/m ²

Illuminance

Average illuminance	Em	23.6 lx
Minimum illuminance	Emin	8.3 lx
Maximum illuminance	Emax	44.3 lx
Uniformity U _o	Emin/Em	1:2.84 (0.35)
Diversity U _d	Emin/Emax	1:5.33 (0.19)

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2.3 Calculation results, External

2.3.4 Table, Measuring area 2 (E)



Height reference plane : 3.31 m
 Average illuminance Em : 23.6 lx
 Minimum illuminance Emin : 8.3 lx
 Maximum illuminance Emax : 44.3 lx
 Uniformity Uo Emin/Em : 1 : 2.84 (0.35)
 Diversity Ud Emin/Emax : 1 : 5.33 (0.19)