



ASDA Havant Click & Collect

Installation : Signlite / NCF LED

Project number : 37694

Customer :

Processed by : L.Kinsey

Date : 06.09.2018

The following values are based on exact calculations on calibrated lamps, luminaires and their arrangement. In practice, gradual divergences can occur.

Guarantee claims for luminaire data are excluded.

Relux and the luminaire manufacturers accept no liability for consequential damage and damage which is occasioned to the user or to third parties.

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1 Luminaire data

1.1 Tamlite Lighting, SIGNLITE (!SL18LEDC)

1.1.1 Data sheet

Manufacturer: Tamlite Lighting



!SL18LEDC Sign lighting SIGNLITE
Fluorescent T5 signlighting system

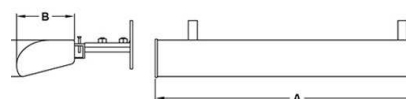
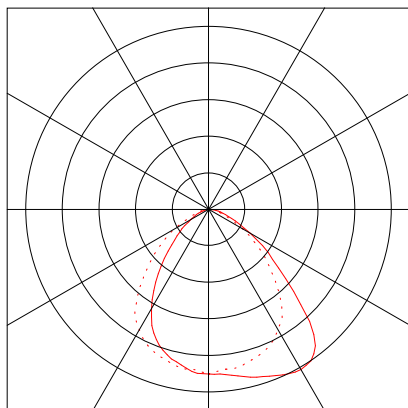
Luminaire data

Luminaire efficiency : 40%
Luminaire efficacy : 44.44 lm/W
Classification : A50 ↓100.0% ↑0.0%
CIE Flux Codes : 61 90 99 100 40
UGR 4H 8H : 17.1 / 15.4
Control gear : electronic ballast
Power : 18 W
Luminous flux : 800 lm

Equipped with

Quantity : 1
Designation : LED
Power : 18 W
Colour : nw/4000K
Luminous flux : 2000 lm
Socket : G5
Colour reproduction : 1B

Dimensions : 1167 mm x 100 mm x 67 mm



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1 Luminaire data

1.2 Tamlite Lighting, CYCLONE LED (INCFF222LEDC)

1.2.1 Data sheet

Manufacturer: Tamlite Lighting



INCFF222LEDC Weatherproof CYCLONE LED
IP65 weatherproof fluorescent with T8 LED lamps

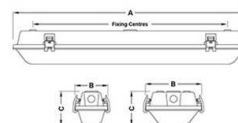
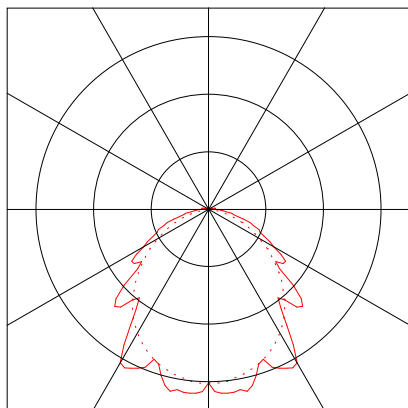
Luminaire data

Luminaire efficiency : 90.848%
Luminaire efficacy : 97.04 lm/W
Classification : A40 ↓98.2% ↑1.8%
CIE Flux Codes : 49 80 96 98 91
UGR 4H 8H : 19.5 / 19.2
Control gear : LED Driver
Power : 44 W
Luminous flux : 4269.9 lm

Equipped with

Quantity : 2
Designation : LED lamp
Power : 22 W
Colour :
Luminous flux : 2350 lm
Socket : N/A

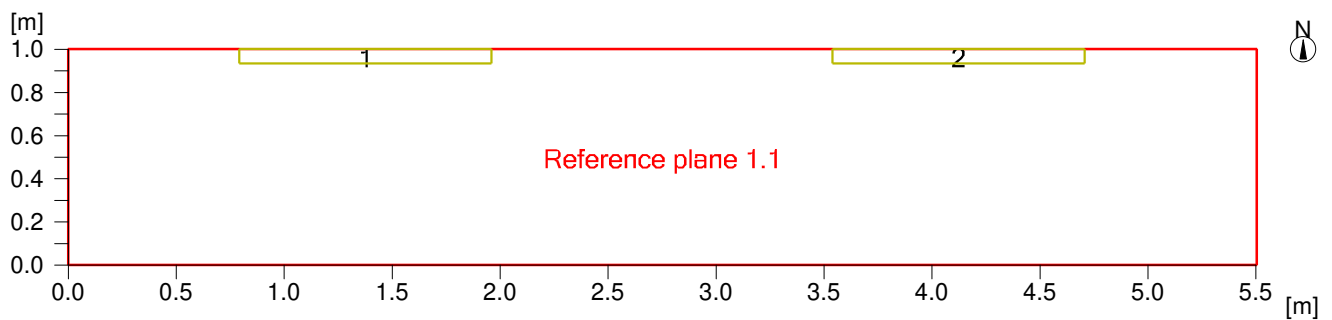
Dimensions : 1605 mm x 178 mm x 105 mm



2 Sign Facia 1

2.1 Description, Sign Facia 1

2.1.1 Floor plan

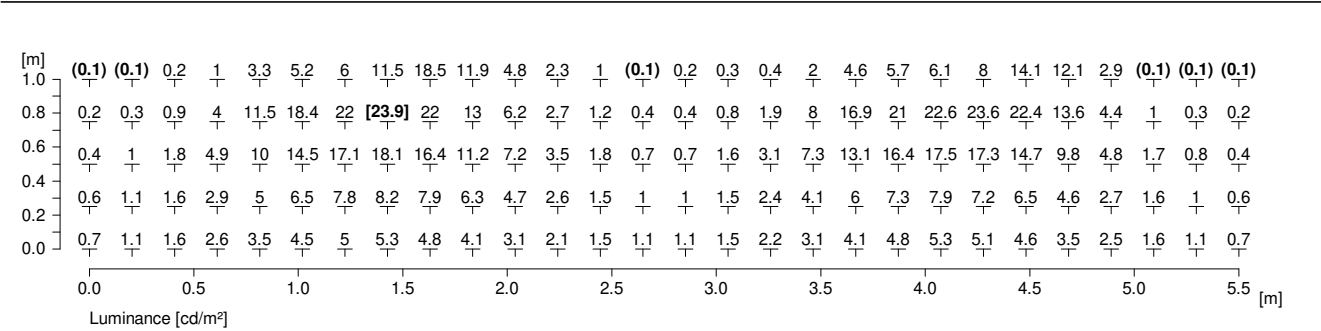




2 Sign Facia 1

2.2 Calculation results, Sign Facia 1

2.2.1 Table, Floor (L)

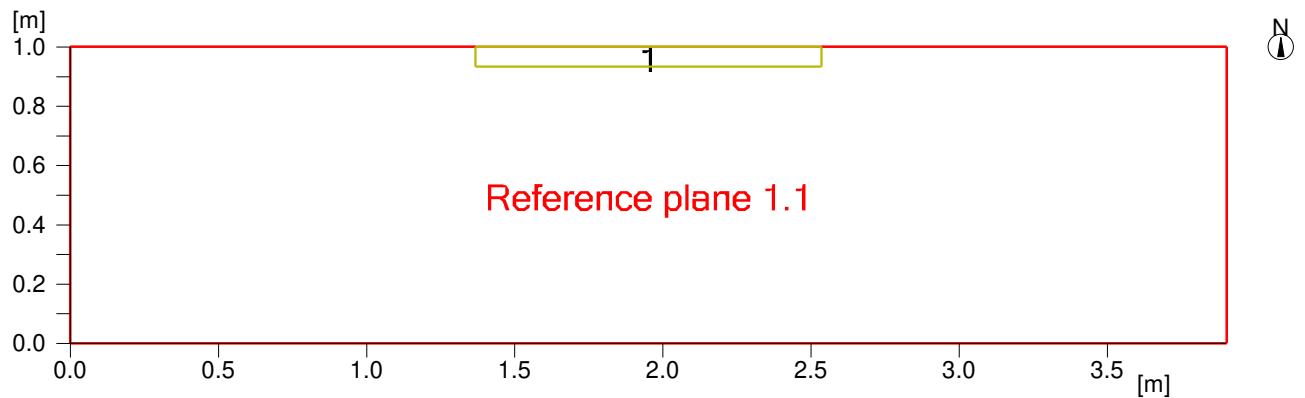


Average luminance	Lav	: 5.7 cd/m²
Minimum luminance	Lmin	: 0.07 cd/m²
Maximum luminance	Lmax	: 23.9 cd/m²

3 Sign Facia 2

3.1 Description, Sign Facia 2

3.1.1 Floor plan

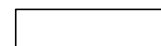
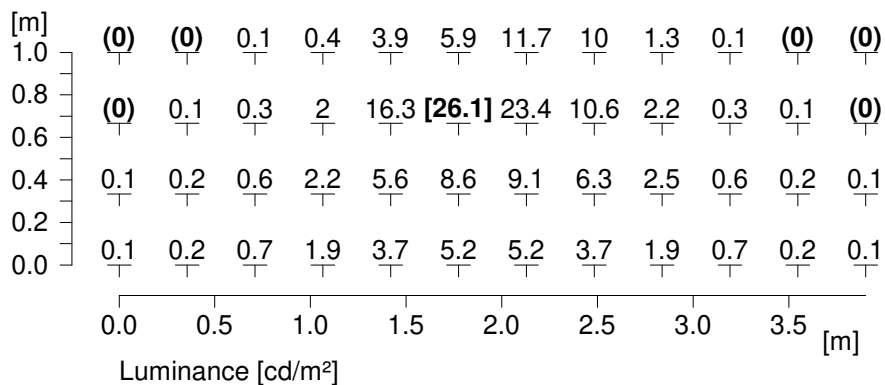




3 Sign Facia 2

3.2 Calculation results, Sign Facia 2

3.2.1 Table, Floor (L)

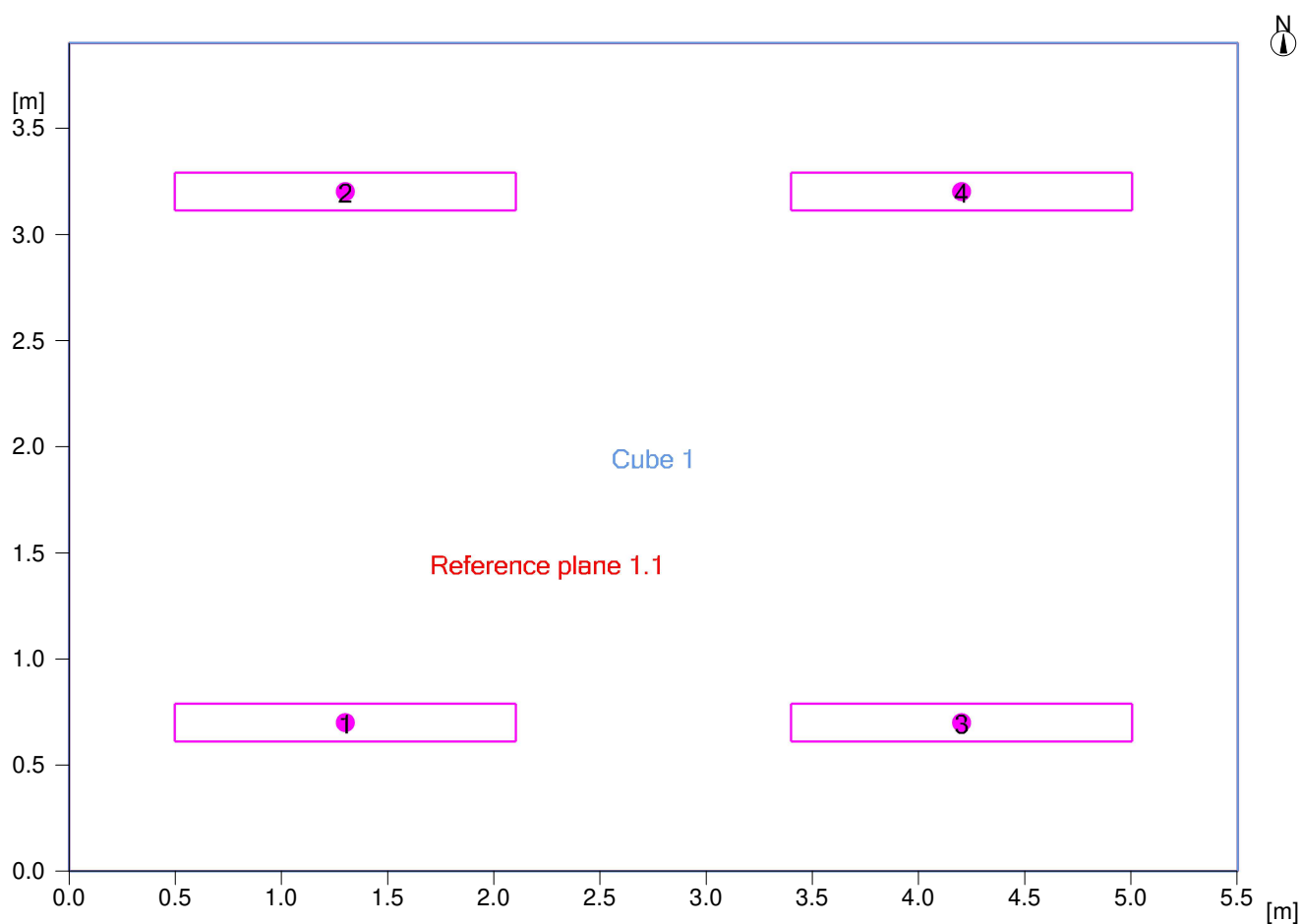


Average luminance Lav : 3.63 cd/m²
 Minimum luminance Lmin : 0 cd/m²
 Maximum luminance Lmax : 26.1 cd/m²

4 Under Canopy

4.1 Description, Under Canopy

4.1.1 Floor plan



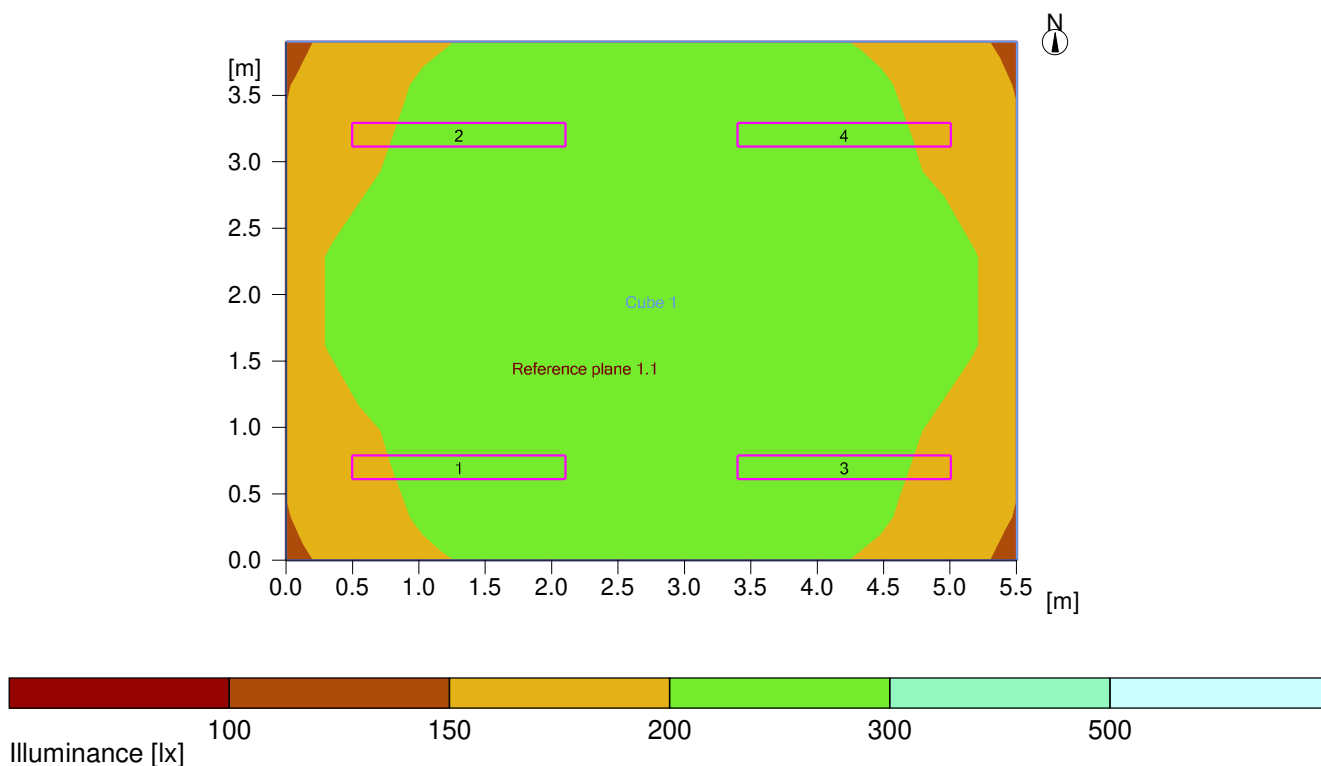
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4 Under Canopy

4.2 Summary, Under Canopy

4.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height (phot centre)	3.10 m
Maintenance factor	0.80
Total luminous flux of all lamps	18800.00 lm
Total power	176.0 W
Total power per area (21.45 m ²)	8.21 W/m ² (3.78 W/m ² /100lx)

Evaluation area 1

Reference plane 1.1

	Horizon
Em	217 lx
Emin	160 lx
Emin/Eav (Uo)	0.74
Emin/Emax (Ud)	0.59
Position	0.00 m

Type No.\Make

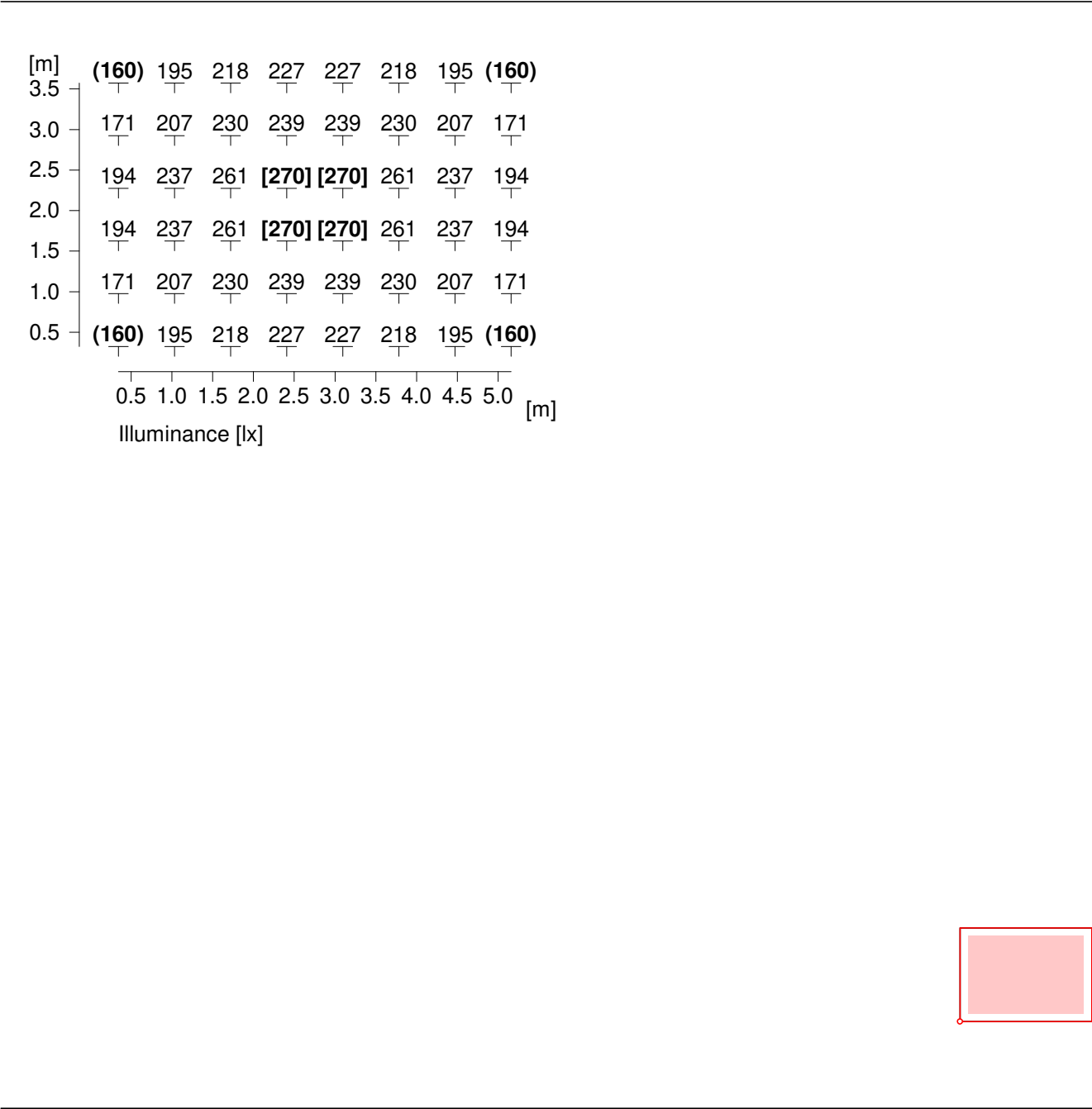
2	4	Tamlite Lighting
		Order No. : INCF222LEDC
		Luminaire name : CYCLONE LED
		Equipment : 2 x LED lamp 22 W / 2350 lm



4 Under Canopy

4.3 Calculation results, Under Canopy

4.3.1 Table, Reference plane 1.1 (E)



Height reference plane	: 0.00 m
Average illuminance	Eav : 217 lx
Minimum illuminance	Emin : 160 lx
Maximum illuminance	Emax : 270 lx
Uniformity Uo	Emin/Eav : 1 : 1.36 (0.74)
Diversity Ud	Emin/Emax : 1 : 1.68 (0.59)