

External Lighting

Installation :

Project number : KFC Baguley

Customer :

Processed by :

Date : 28.01.2022

Litetask Disclaimer

This design is based on the information supplied and should always be read in conjunction with that information. All illuminance/luminance values are the result of calculations based upon the precise positioning of luminaires in a fixed relationship within the proposed environment. Any variation to the lighting design layout and the environment to be lit may affect the calculated light levels. This design and associated specifications is subject to Conditions of Sale of Litetask Limited.

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 Luminaire data

1.1 NORTHCLIFFE, Auva LED1x4250 G094 T740 LSS2 (LXCE004-1.Idt)

1.1.1 Data sheet

Manufacturer: NORTHCLIFFE

LXCE004-1.Idt Auva LED1x4250 G094 T740 LSS2

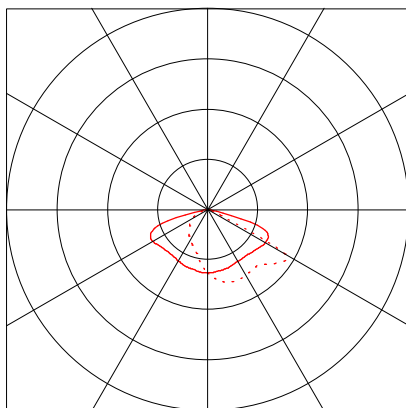
Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 127.87 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 37 73 99 100 100
UGR 4H 8H : 35.1 / 24.2
Power : 34.2 W
Luminous flux : 4373 lm

Equipped with

Quantity : 1
Designation : LED1x4250
T740
Colour : 4000
Luminous flux : 4373 lm
Colour reproduction : 70

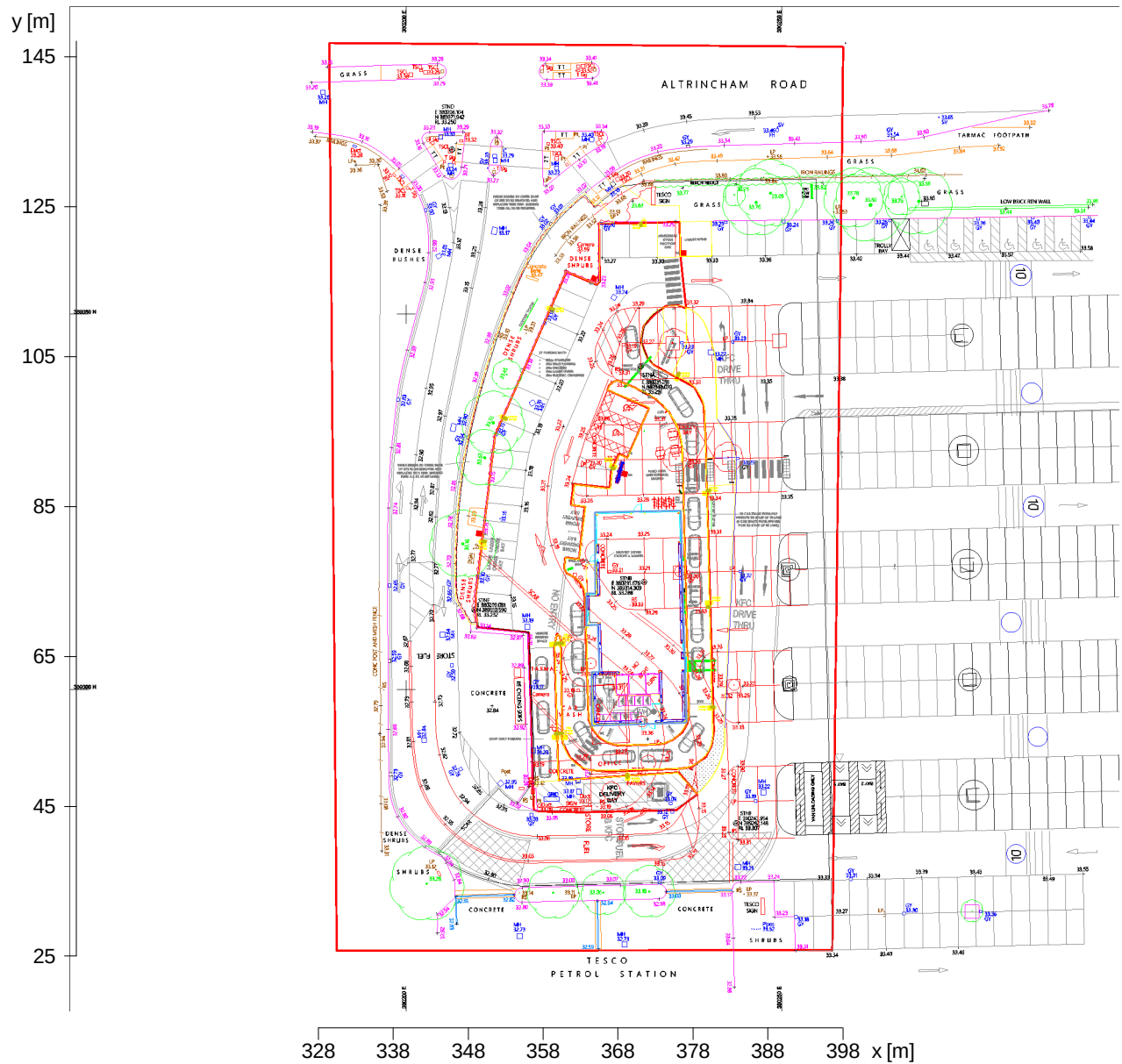
Dimensions : 525 mm x 250 mm x 102 mm



2 Exterior 1

2.1 Description, Exterior 1

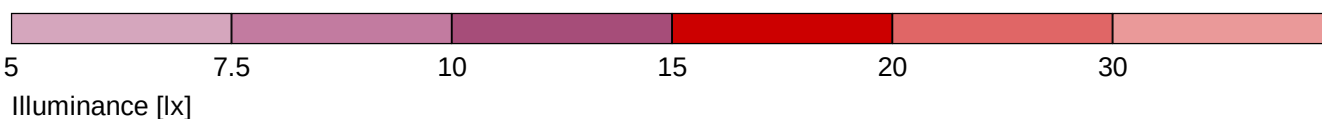
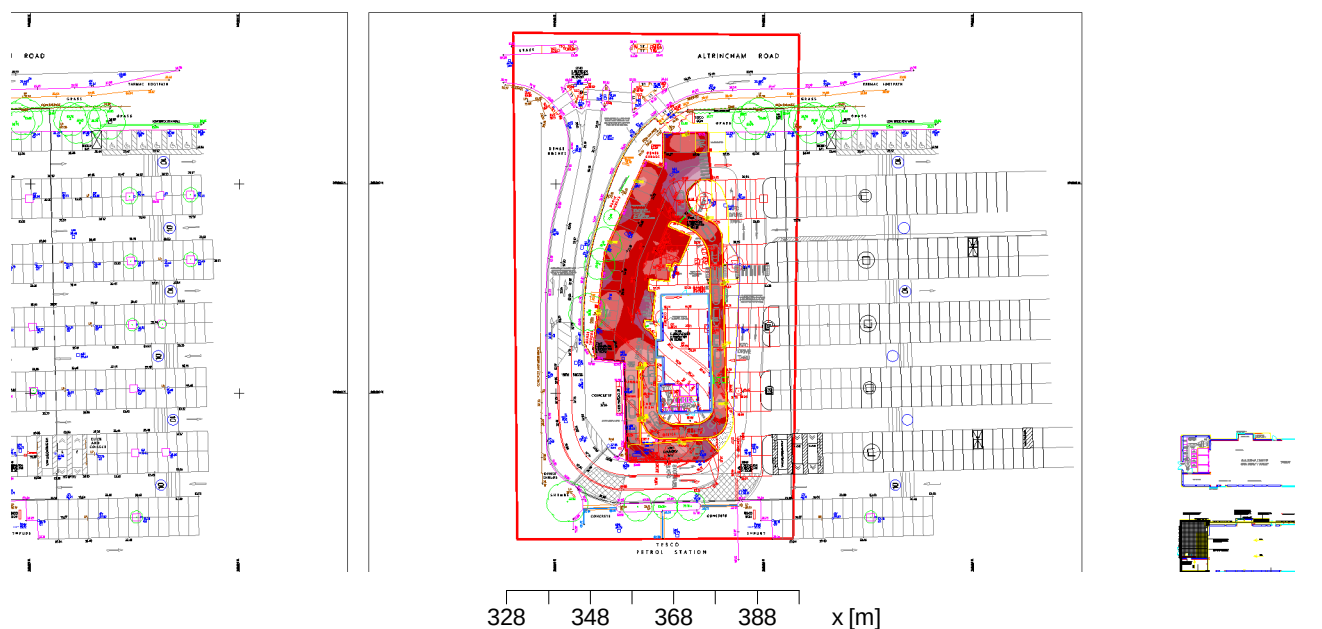
2.1.1 Floor plan



2 Exterior 1

2.2 Summary, Exterior 1

2.2.1 Result overview, Measuring area 1



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Height (phot centre) [m]:	5.95 m
Maintenance factor	0.80

Total luminous flux of all lamps	61222 lm
Total power	478.8 W
Total power per area (8119.59 m²)	0.06 W/m²

Illuminance

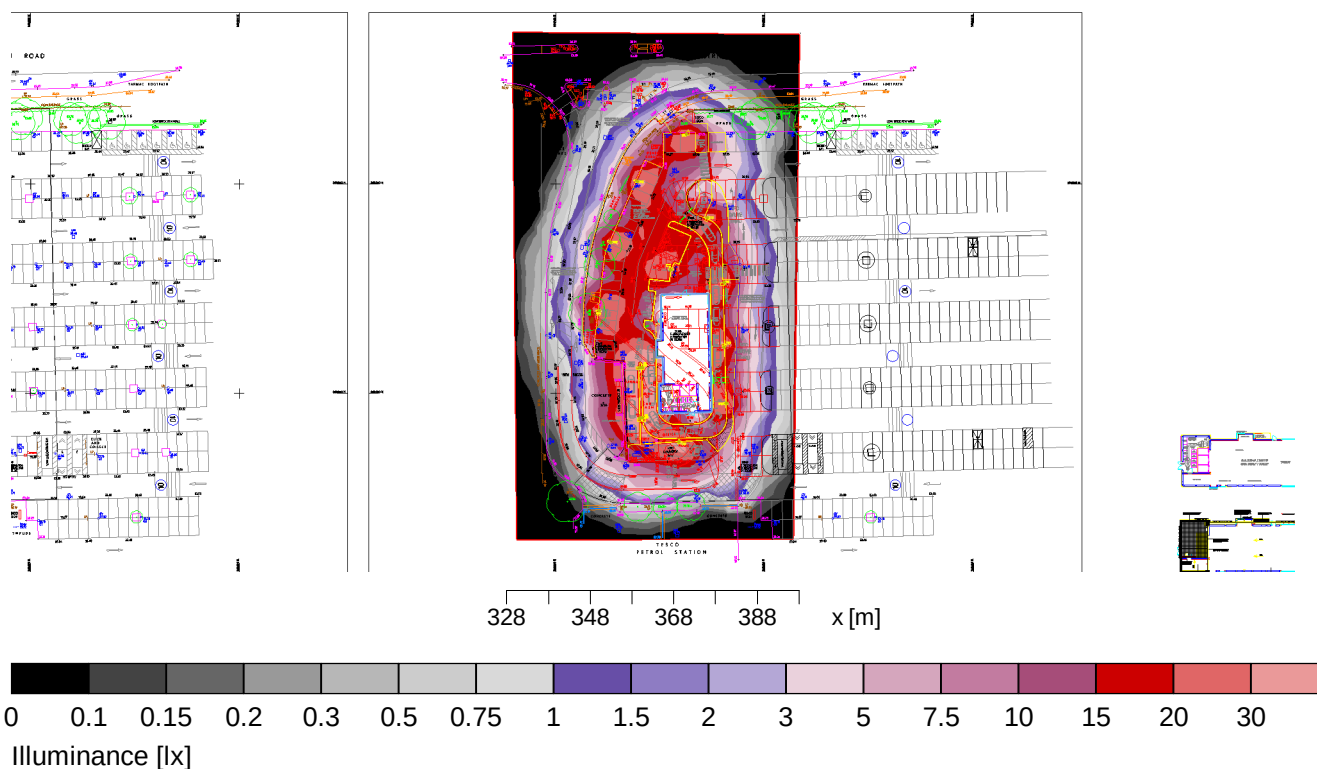
Average illuminance	Em	20.8 lx
Minimum illuminance	Emin	5.5 lx
Maximum illuminance	Emax	49.4 lx
Uniformity Uo	Emin/Em	1:3.79 (0.26)
Diversity Ud	Emin/Emax	1:9.02 (0.11)

Type No.\Make

1	14	NORTHCLIFFE
		Order No. : LXCE004-1.Idt
		Luminaire name : Auva LED1x4250 G094 T740 LSS2
		Equipment : 1 x LED1x4250 T740 34.2 W / 4373 lm

2.2 Summary, Exterior 1

2.2.2 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height (phot. centre)	5.95 m
Maintenance factor	0.80
Total luminous flux of all lamps	61222.00 lm
Total power	478.8 W
Total power per area (8119.59 m ²)	0.06 W/m ² (1.04 W/m ² /100lx)

Evaluation area 1

Reference plane 1.1

	Horizontal
Em	5.66 lx
Emin	0 lx
Emin/Em (Uo)	0.00
Emin/Emax (Ud)	0.00
Position	0.00 m

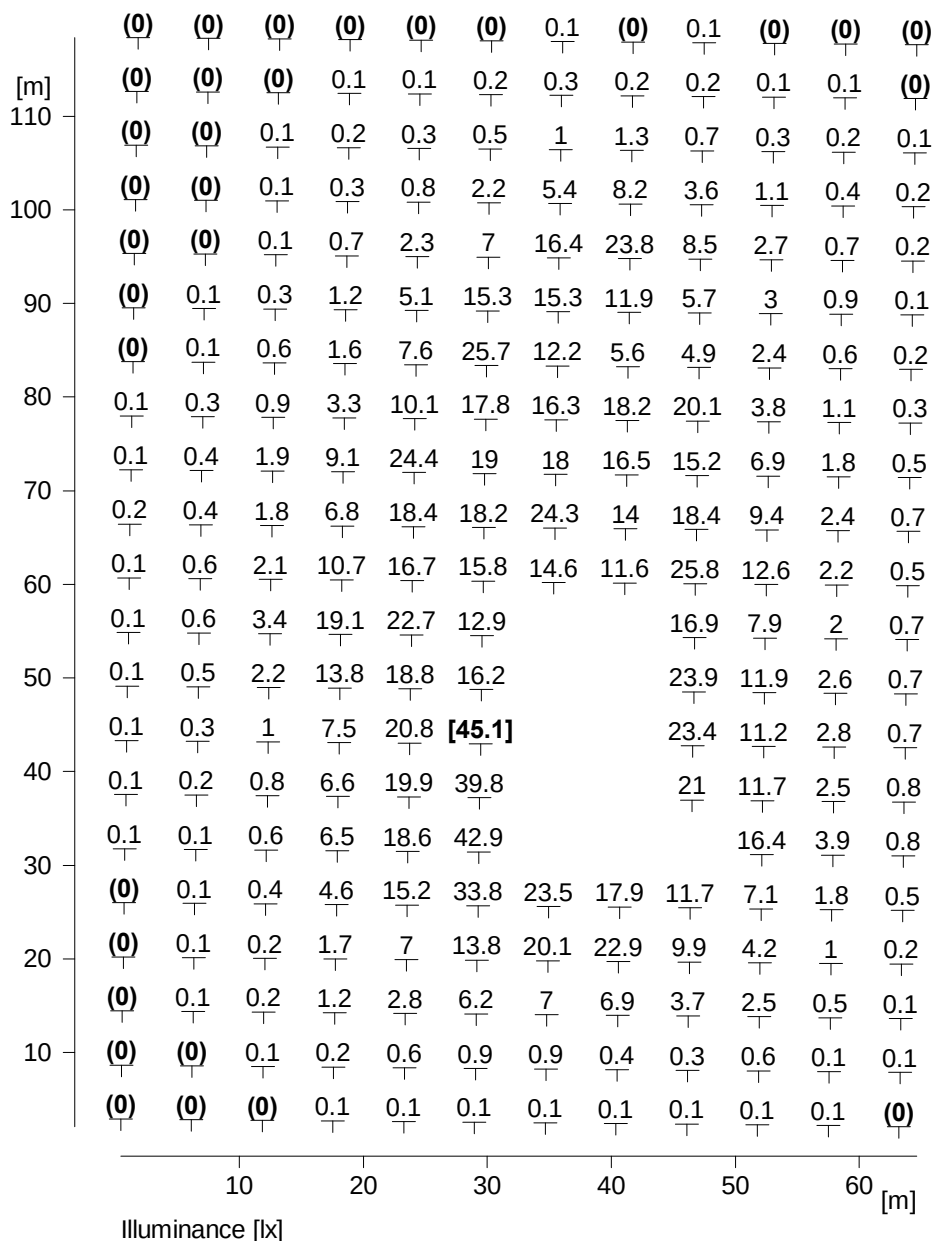
Type No.\Make

1	14	NORTHCLIFFE
		Order No. : LXCE004-1.Idt
		Luminaire name : Auva LED1x4250 G094 T740 LSS2
		Equipment : 1 x LED1x4250 T740 34.2 W / 4373 lm

2 Exterior 1

2.3 Calculation results, Exterior 1

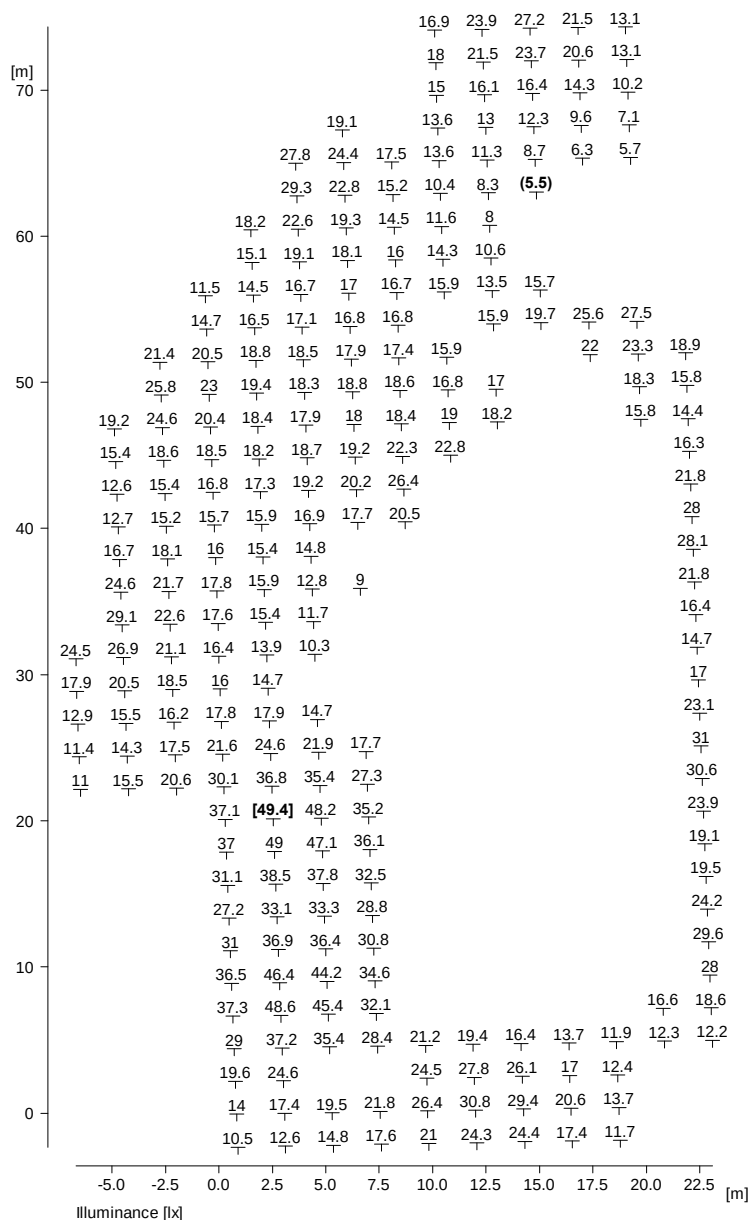
2.3.1 Table, Reference plane 1.1 (E)



Height reference plane	: 0.00 m
Average illuminance	Em : 5.7 lx
Minimum illuminance	Emin : 0 lx
Maximum illuminance	Emax : 45.1 lx
Uniformity Uo	Emin/Em : 1 : 1721.63 (0.00)
Diversity Ud	Emin/Emax : 1 : 13714.05 (0.00)

2.3 Calculation results, Exterior 1

2.3.2 Table, Measuring area 1 (E)



Height reference plane	: 0.00 m
Average illuminance	Em : 20.8 lx
Minimum illuminance	Emin : 5.5 lx
Maximum illuminance	Emax : 49.4 lx
Uniformity Uo	: 1 : 3.79 (0.26)
Diversity Ud	Emin/Emax : 1 : 9.02 (0.11)