

# Trailer Park

Installation :

Project number :

Customer :

Processed by : MF

Date : 22.05.2017

Project description:  
10M MOUNTING HEIGHT

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.

Object : Trailer Park  
Installation :  
Project number :  
Date : 22.05.2017

## 1 Luminaire data

### 1.1 Eaton (Cooper), EATON - AETHON (AET3L1775K^Z)

#### 1.1.1 Data sheet

Manufacturer: Eaton (Cooper)



Powering Business Worldwide

#### **AET3L1775K^Z wall-mounted luminaire EATON - AETHON**

LED Floodlight of Cast Aluminium Construction with choice of 3 distribution options two housing sizes each with two wattage options. 5000K Ra80, IP67. Shielded LED array for low upward light element. Available with Multiple bracket options Replace ^ with bracket required below:

- A – Mounting Arm
- B – Pole Mount Arm
- C – Large Yoke
- D – Two Piece Bracket
- E – Easy Hang Wall Plate(Small Version Only)

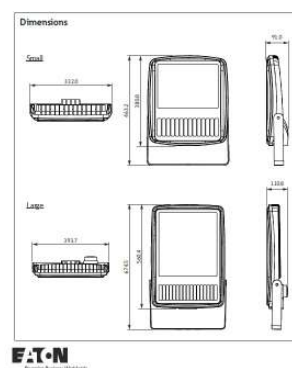
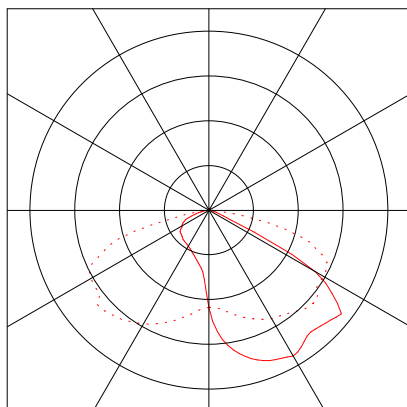
#### **Luminaire data**

Absolute Photometry  
Luminaire efficacy : 97.43 lm/W  
Classification : A40 ↓99.4% ↑0.6%  
CIE Flux Codes : 38 76 98 99 100  
UGR 4H 8H : 31.5 / 33.7  
Control gear : electronic ballast  
Power : 180 W  
Luminous flux : 17538 lm

#### **Equipped with**

Quantity : 1  
Designation : LED  
Colour :

Dimensions : 398 mm x 560 mm x 98 mm



## 2 Trailer Park

### 2.1 Description, Trailer Park

#### 2.1.1 Floor plan

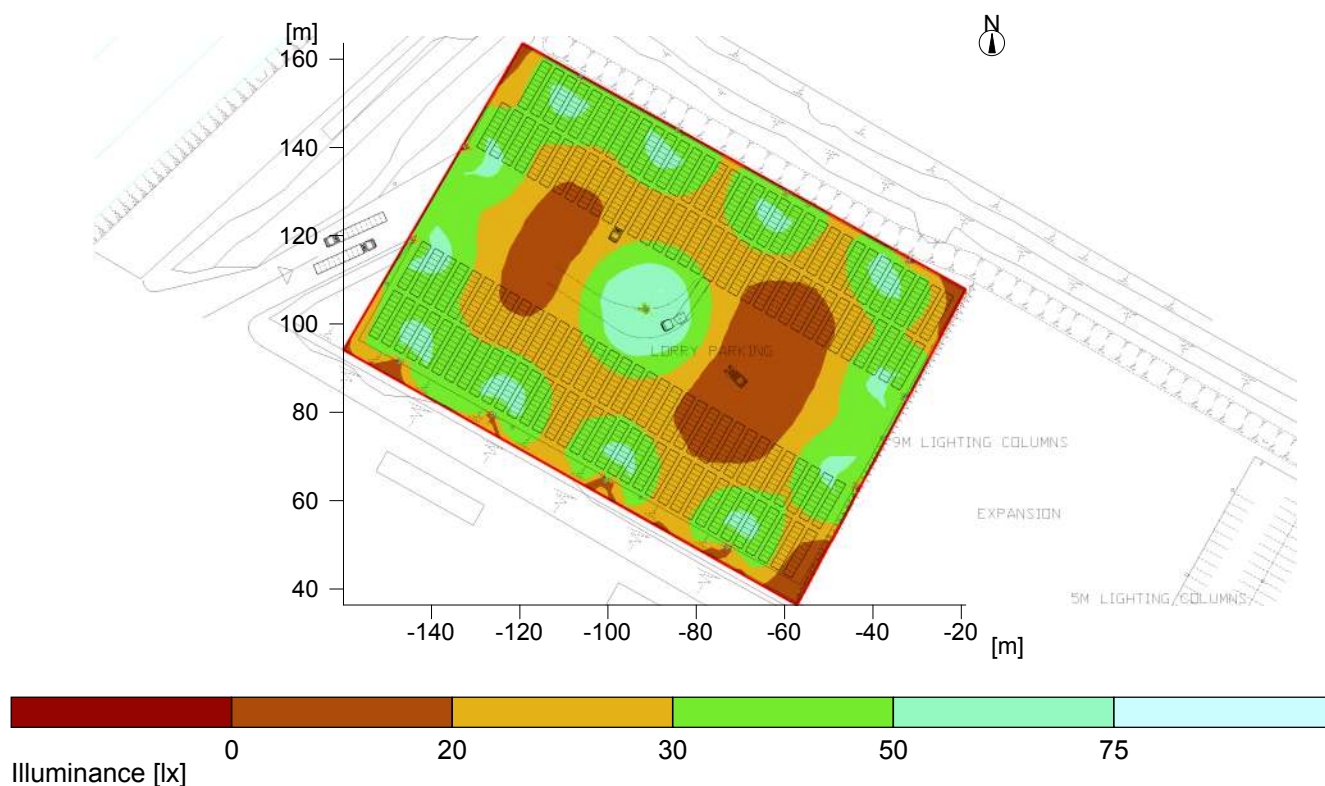


Object : Trailer Park  
Installation :  
Project number :  
Date : 22.05.2017

## 2 Trailer Park

### 2.2 Summary, Trailer Park

#### 2.2.1 Result overview, Evaluation area 1



#### General

Calculation algorithm used  
Height (phot. centre)  
Maintenance factor

Average indirect fraction  
9.95 m  
0.80

Total luminous flux of all lamps  
Total power  
Total power per area (9389.79 m<sup>2</sup>)

491064 lm  
5040.0 W  
0.54 W/m<sup>2</sup> (1.78 W/m<sup>2</sup>/100lx)

#### Evaluation area 1

#### Reference plane 1.1

Horizontal  
Em  
Emin  
Emin/Eav (Uo)  
Emin/Emax (Ud)  
Position

30.2 lx  
9.9 lx  
0.33  
0.15  
0.00 m

#### Type No. Make

1 28



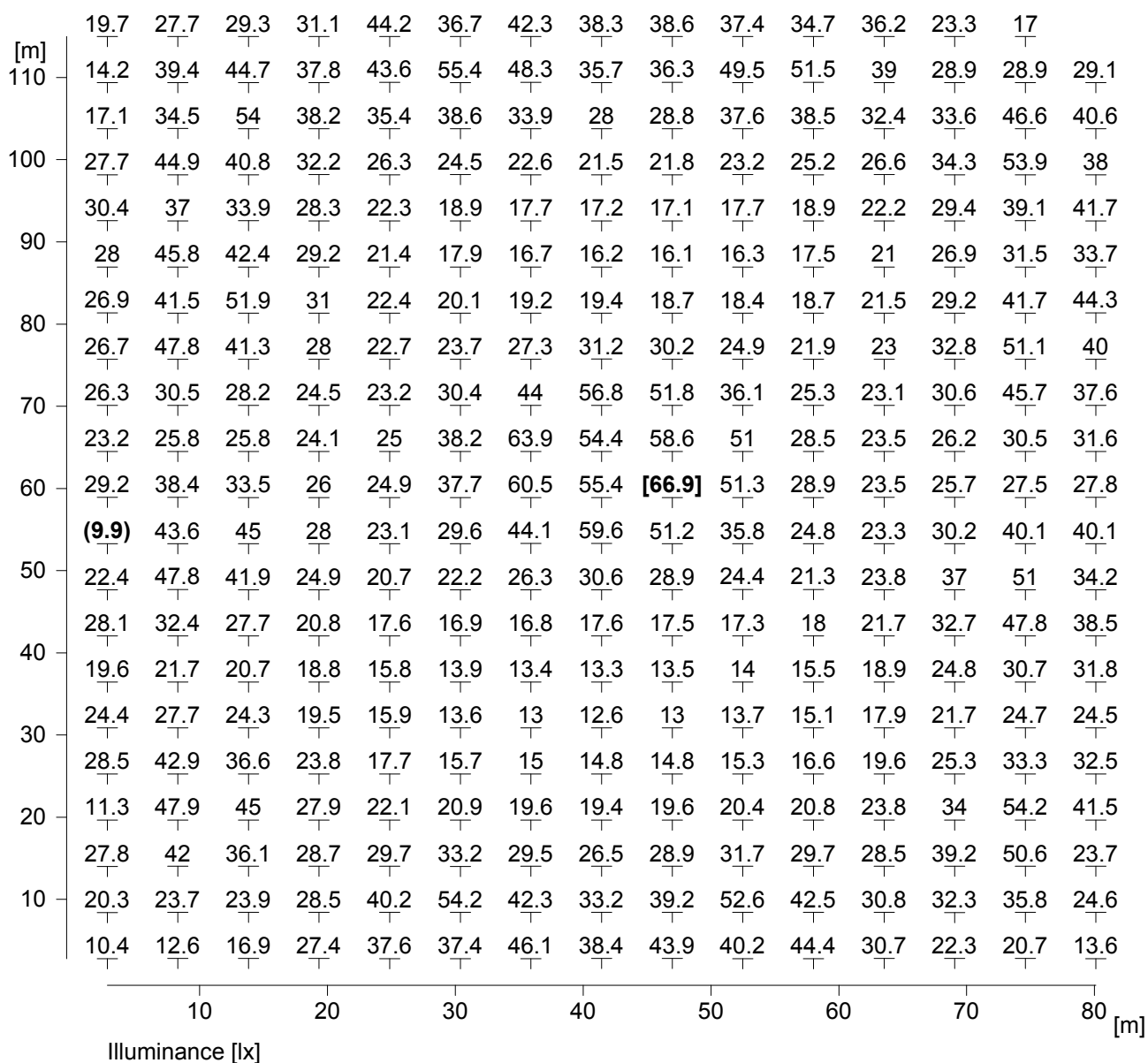
#### Eaton (Cooper)

Order No. : AET3L1775K^Z/  
Luminaire name : EATON - AETHON  
Equipment : 1 x LED 180 W / 17538 lm

## 2 Trailer Park

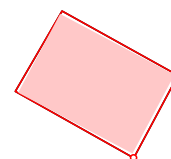
### 2.3 Calculation results, Trailer Park

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



Height of the reference plane

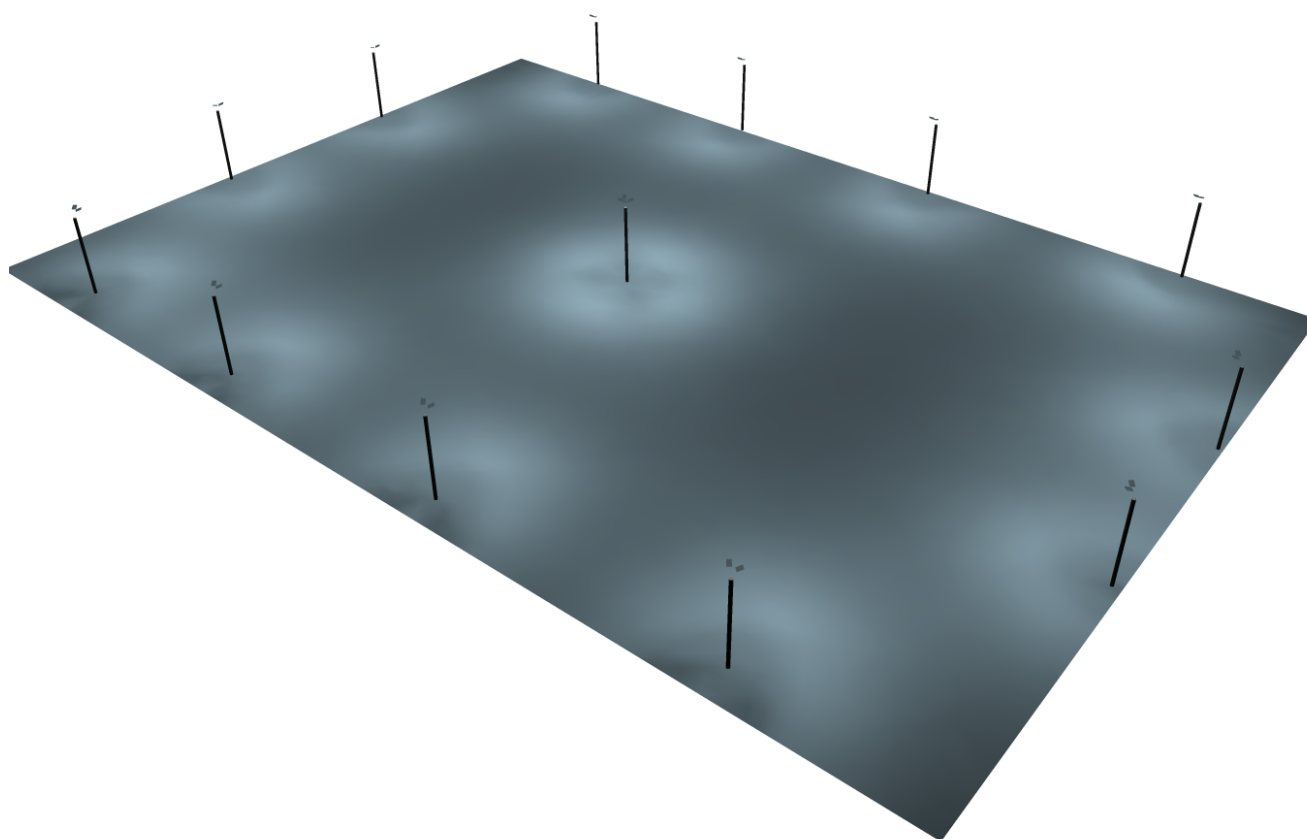
|                     |           |                   |
|---------------------|-----------|-------------------|
| Average illuminance | Eav       | : 0.00 m          |
| Minimum illuminance | Emin      | : 30.2 lx         |
| Maximum illuminance | Emax      | : 9.9 lx          |
| Uniformity Uo       | Emin/Eav  | : 66.9 lx         |
| Diversity Ud        | Emin/Emax | : 1 : 3.06 (0.33) |
|                     |           | : 1 : 6.79 (0.15) |



## 2.3 Calculation results, Trailer Park

### 2.3.2 3D luminance, View 1

---



---

Luminance in the scene

Minimum: : 0 cd/m<sup>2</sup>

Maximum: : 4.85 cd/m<sup>2</sup>