

Trailer park

Installation :

Project number :

Customer :

Processed by : MF

Date : 29.06.2018

Project description:

Revised to new layout, allowing for vehicle wash at the east of VMU and new Pathway route

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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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Luminaire data

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

Data sheet

Manufacturer: Eaton (Cooper)



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)

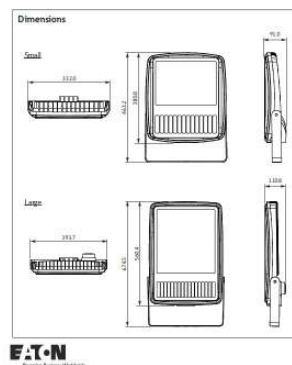
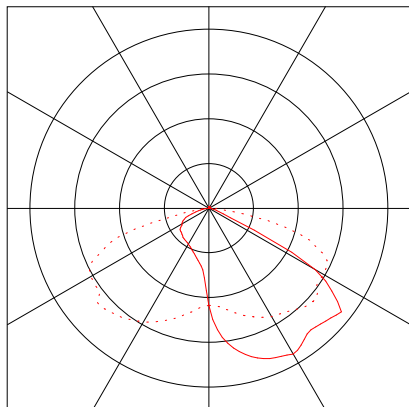
Luminaire data

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



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Luminaire data

Eaton (Cooper), EATON - AETHON (AET3L2815K^Z)

Data sheet

Manufacturer: Eaton (Cooper)



AET3L2815K^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)

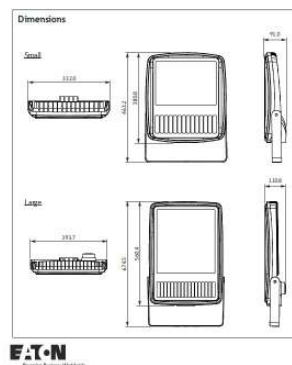
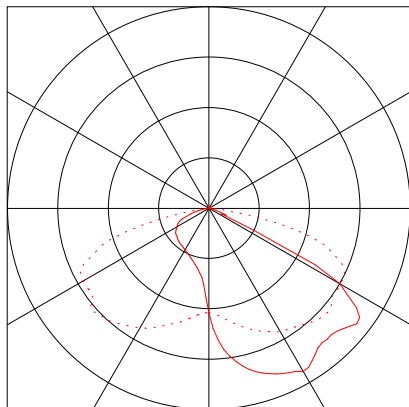
Luminaire data

Absolute Photometry
Luminaire efficacy : 99.12 lm/W
Classification : A30 ↓99.4% ↑0.6%
CIE Flux Codes : 37 75 98 99 100
UGR 4H 8H : 33.4 / 35.2
Control gear : electronic ballast
Power : 276 W
Luminous flux : 27357 lm

Equipped with

Quantity : 1
Designation : LED
Colour :

Dimensions : 398 mm x 560 mm x 98 mm



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Luminaire data

Eaton (Cooper), EATON - AETHON (AET3S1205K^Z)

Data sheet

Manufacturer: Eaton (Cooper)



AET3S1205K^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)

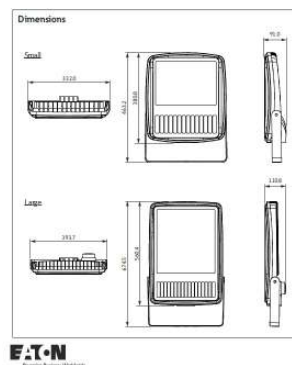
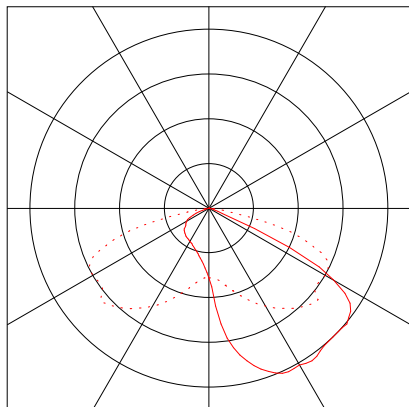
Luminaire data

Absolute Photometry
Luminaire efficacy : 92.8 lm/W
Classification : A40 ↓100.0% ↑0.0%
CIE Flux Codes : 37 77 99 100 100
UGR 4H 8H : 35.3 / 36.3
Control gear : electronic ballast
Power : 121 W
Luminous flux : 11229 lm

Equipped with

Quantity : 1
Designation : LED
Colour :

Dimensions : 340 mm x 381 mm x 91 mm



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Luminaire data

Eaton (Cooper), EATON - AETHON (AET3S865K^Z)

Data sheet

Manufacturer: Eaton (Cooper)



AET3S865K^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)

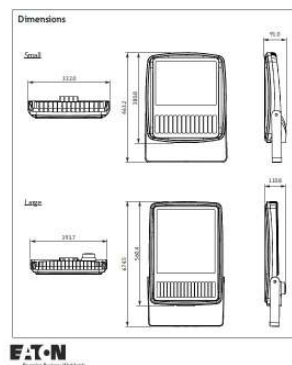
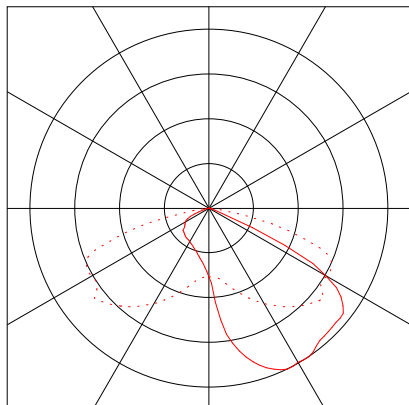
Luminaire data

Absolute Photometry
Luminaire efficacy : 98.09 lm/W
Classification : A30 ↓100.0% ↑0.0%
CIE Flux Codes : 37 77 99 100 100
UGR 4H 8H : 34.1 / 35.5
Control gear : electronic ballast
Power : 85 W
Luminous flux : 8338 lm

Equipped with

Quantity : 1
Designation : LED
Colour :

Dimensions : 340 mm x 381 mm x 91 mm



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Luminaire data

Eaton (Cooper), EATON - CHATHAM BOLLARD (CHAD17144ZBA)

Data sheet

Manufacturer: Eaton (Cooper)



CHAD17144ZBA Bollard Luminaire EATON - CHATHAM BOLLARD

Chatham Bollard LED IP65 Extruded Aluminum, black powder coated in RAL9005. Polycarbonate UV lens and high efficacy LED light engines. For emergency versions, use a Lamp Lumen value (battery depreciation K factor included) of 340 lumens.

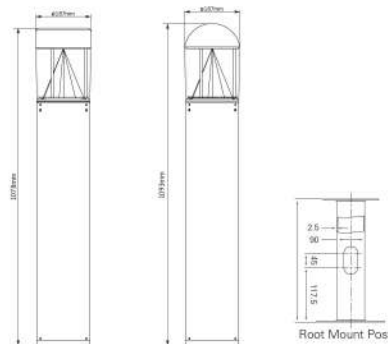
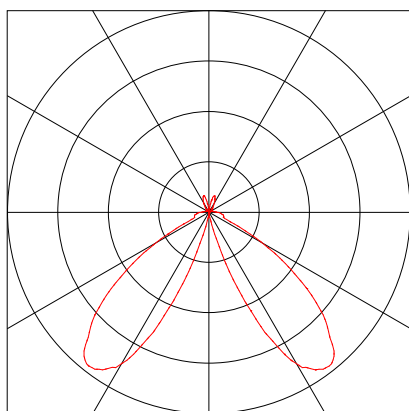
Luminaire data

Absolute Photometry
Luminaire efficacy : 73.33 lm/W
Classification : A42 ↓93.1% ↑6.9%
CIE Flux Codes : 45 87 96 93 100
UGR 4H 8H : 19.3 / 19.3
Control gear : electronic ballast
Power : 18 W
Luminous flux : 1320 lm

Equipped with

Quantity : 1
Designation : LED
Colour :

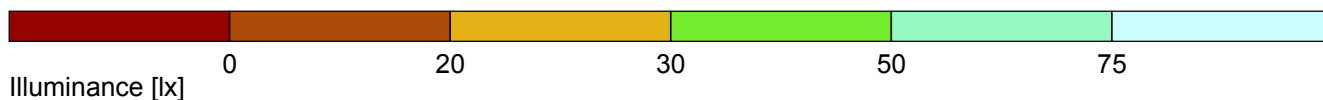
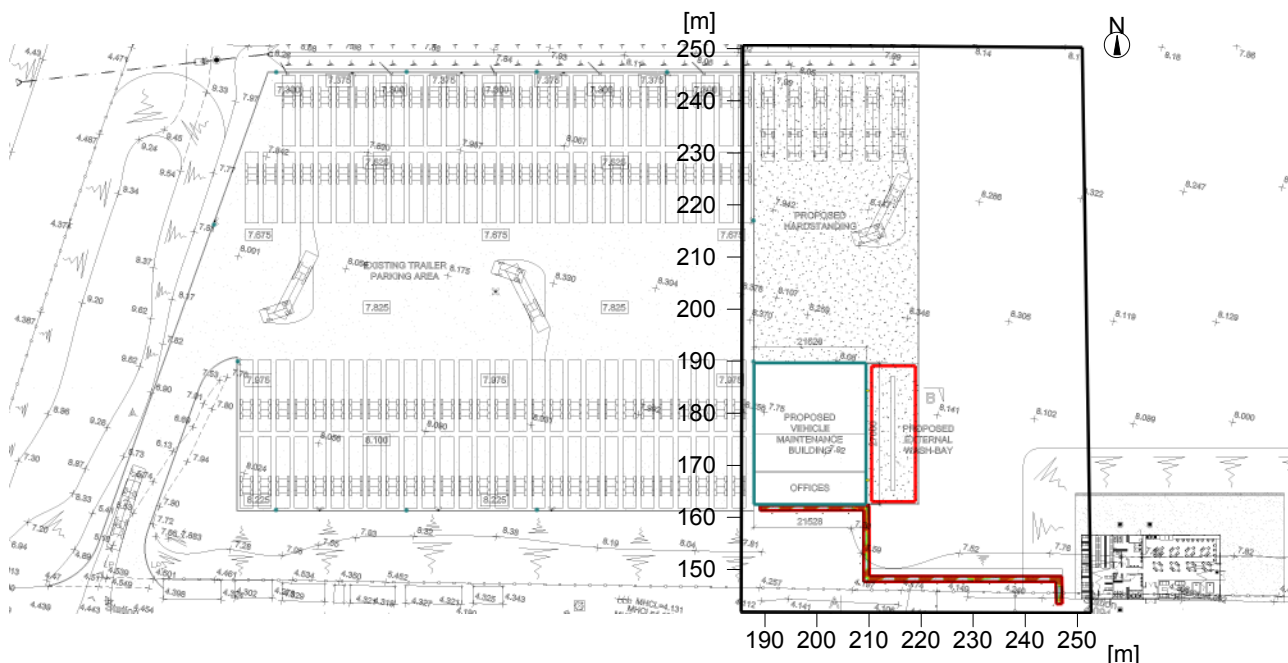
Dimensions : Ø187 mm x 175 mm



Trailer Park

Summary, Trailer Park

Result overview, Measuring area 3



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.85
Total luminous flux of all lamps	56196 lm
Total power	648 W
Total power per area (7190.90 m ²)	0.09 W/m ²

Illuminance

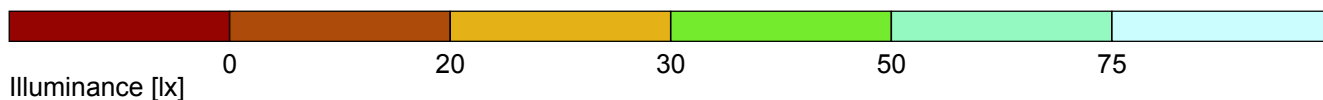
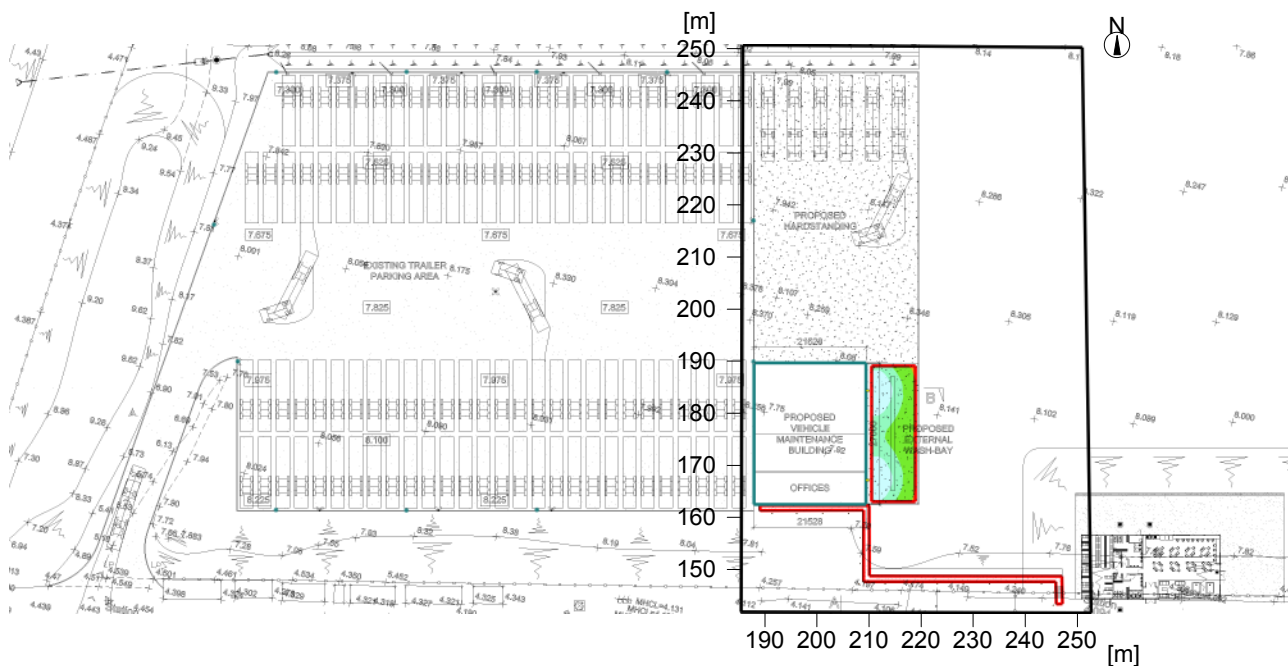
Average illuminance	Eav	68 lx
Minimum illuminance	Emin	2 lx
Maximum illuminance	Emax	255 lx
Uniformity Uo	Emin/Em	1:36.5 (0.03)
Diversity Ud	Emin/Emax	1:138 (0.01)

Type No. \ Make

1	2	Eaton (Cooper)
		Order No. : AET3L1775K^Z/
		Luminaire name : EATON - AETHON
		Equipment : 1 x LED 180 W / 17538 lm
5	16	Order No. : CHAD17144ZBA/
		Luminaire name : EATON - CHATHAM BOLLARD
		Equipment : 1 x LED 18 W / 1320 lm

Summary, Trailer Park

Result overview, Measuring area 4



General

Calculation algorithm used	Average indirect fraction
Height of evaluation surface	0.00 m
Maintenance factor	0.85
Total luminous flux of all lamps	56196 lm
Total power	648 W
Total power per area (7190.90 m ²)	0.09 W/m ²

Illuminance

Average illuminance	Eav	57 lx
Minimum illuminance	Emin	27 lx
Maximum illuminance	Emax	103 lx
Uniformity Uo	Emin/Em	1:2.13 (0.47)
Diversity Ud	Emin/Emax	1:3.86 (0.26)

Type No. \ Make

Eaton (Cooper)	
1	2
	Order No. : AET3L1775K^Z/ Luminaire name : EATON - AETHON Equipment : 1 x LED 180 W / 17538 lm
5	16
	Order No. : CHAD17144ZBA/ Luminaire name : EATON - CHATHAM BOLLARD Equipment : 1 x LED 18 W / 1320 lm