

Temporary Car Park Lighting

Installation :

Project number : 001151-E01
Customer : MSP
Processed by : Daniel Lippmann
Date : 04.06.2014

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.

1 Luminaire data

1.1 ASD, ASD Highway LED Streetlight B... (HWL/BLED54)

1.1.1 Data sheet

Manufacturer: ASD

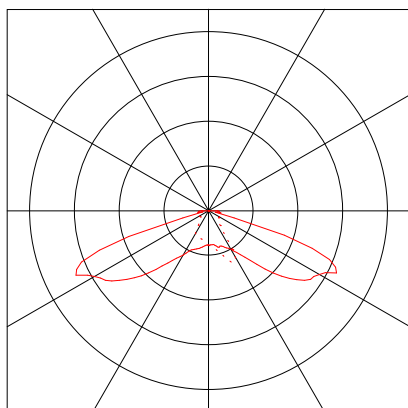
HWL/BLED54 ASD Highway LED Streetlight Black 54 LED IP66 c/w streetlight distribution lens

Luminaire data

Luminaire efficiency : 100%
Luminaire efficacy : 103.06 lm/W
Classification : A20 ↓99.3% ↑0.7%
CIE Flux Codes : 30 64 93 99 101
UGR 4H 8H (20%, 50%, 70%)
C0 / C90 : 33.6 / 23.8
Control gear :
System power : 63 W
Length : 640 mm
Width : 390 mm
Height : 100 mm

Equipped with

Quantity : 1
Designation : LED Module
Colour : 6100K
Luminous flux : 6493 lm



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1 Luminaire data

1.2 Holophane Europe Ltd, DENVER POLE (DPS.150CDMT3.AY)

1.2.1 Data sheet

Manufacturer: Holophane Europe Ltd

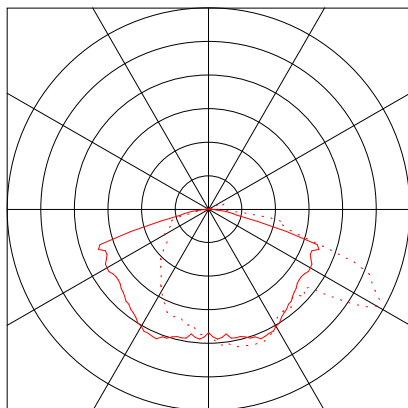
DPS.150CDMT3.AY DENVER POLE

Luminaire data

Luminaire efficiency : 70%
Luminaire efficacy :
Classification : A30 ↓98.6% ↑1.4%
CIE Flux Codes : 34 63 90 99 70
UGR 4H 8H (20%, 50%, 70%)
C0 / C90 : 31.0 / 25.1
Control gear :
Length : 514 mm
Width : 330 mm
Height : 190 mm

Equipped with

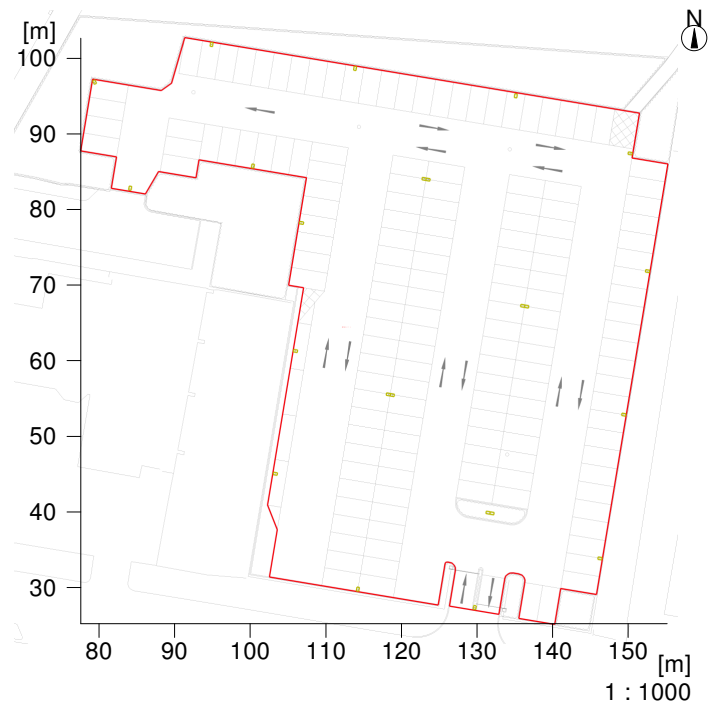
Quantity : 1
Designation : 150CDMT3
Colour :
Luminous flux : 14000 lm



2 Car Park

2.1 Description, Car Park

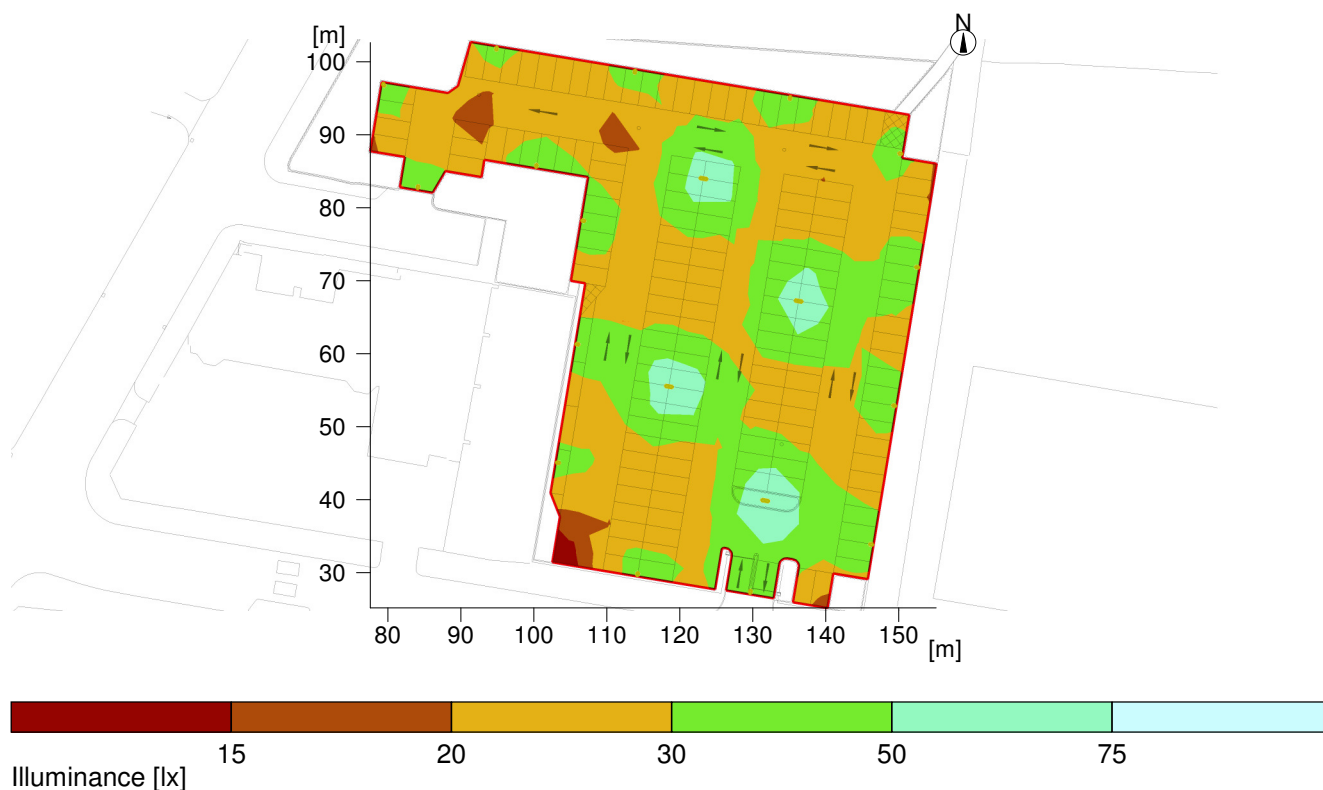
2.1.1 Floor plan



2 Car Park

2.2 Summary, Car Park

2.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used
 photometric centre height.
 Maintenance factor

Average indirect fraction
 7.90 m
 0.80

Total luminous flux of all lamps

322000 lm

Evaluation area 1

Reference plane 1.1

Horizontal
 Em 30.8 lx
 Emin 14 lx
 Emin/Eav (Uo) 0.46
 Emin/Emax (Ud) 0.20
 Position 0.00 m

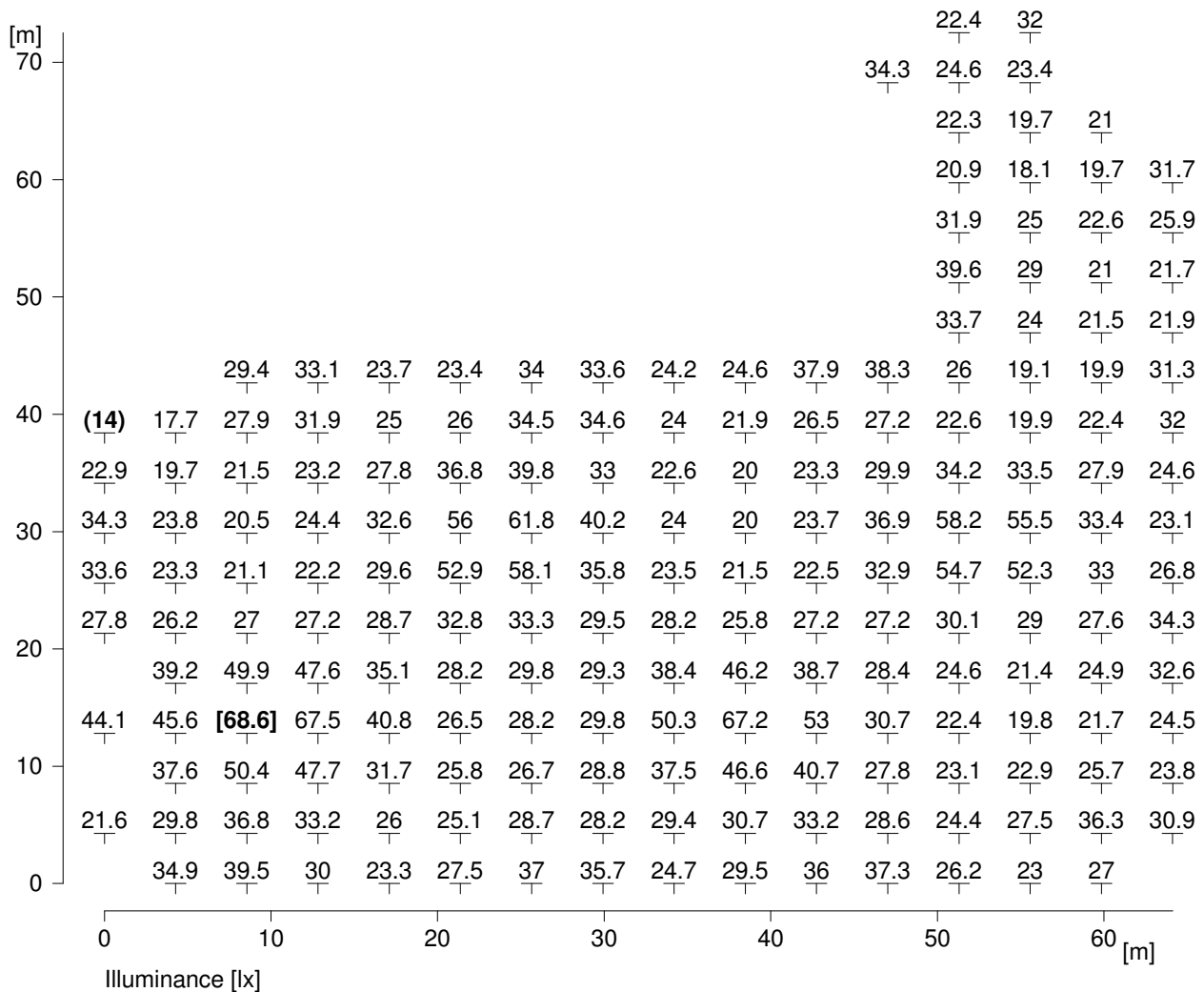
Type No. Make

Holophane Europe Ltd
 2 23
 Order No. : DPS.150CDMT3.AY
 Luminaire name : DENVER POLE
 Equipment : 1 x 150CDMT3 / 14000 lm

2 Car Park

2.3 Calculation results, Car Park

2.3.1 Table, Reference plane 1.1 (E)



Height of the reference plane	: 0.00 m
Average illuminance	Eav : 30.8 lx
Minimum illuminance	Emin : 14 lx
Maximum illuminance	Emax : 68.6 lx
Uniformity Uo	Emin/Eav : 1 : 2.20 (0.46)
Diversity Ud	Emin/Emax : 1 : 4.89 (0.20)