


SCHVÁLENÝ DOKUMENT

Revize/Rev. v.	Datum/Date	Předmět revize/Revision Subject	Vypracoval/Designed by

Investor/Client	ČEPRO, a. s.				
Objednatel/Customer					
Název akce/Project	Úprava výdeje do AC, dle požadavků vyhlášky č. 415/2012 Sb.				
Zak. číslo/Project No.	21095	Datum/Date	02/2022	Č. obj./ Cust. No.	
Místo stavby/Location	Třemošná				
Stupeň PD/PD Stage	Dokumentace pro provádění stavby (DPS)				

Vypracoval/Designed by	Ing. Fasulis Georgis			Projektová org. / Project Company PIK s. r. o. Na Hrázi 781 /15 750 02 Přerov Tel: +420 518 288 111 Web: www.pik.cz	
Kontroloval/Checked by	Ing. Hromádka Radovan				
Schválil/Approved by	Ing. Kohut Martin				
HIP/Manager	Ing. Kohut Martin				

Část/Part	D. Dokumentace objektů a technických a technologických zařízení
Podčást/Subsection	D2. Dokumentace technických a technologických zařízení
SO/PS_CO/PU	PS101 Elektro část
Profesní díl/Professions	
Prof. část/ Prof. Part	

Název/Title	SO191 - Výpočet osvětlení	
Číslo kopie/Copy No.	Archivní č. /Archival No.	Číslo revize / Rev. No.
	21095-DPS-D-D2-PS101-101 – Příloha 2	0

Tento dokument je majetkem společnosti PIK s. r. o. Nesmí být použit a kopírován třetí osobou nebo jí předán, či jinak s ním nakládáno bez výslovného písemného souhlasu odpovědného zástupce společnosti. This document is property of PIK s. r. o. It is strictly prohibited to use, copy or hand over to any third party or other wise dispose without explicit written permission of company commission agent.

Výdejní lávky
Project Number:
Designer: Stanislav Novák
Date: 1/11/2022



Customer: VAE Controls
Project Location: Čepro Třemošná
Project Description:

Lighting Design Details:

Commercial Office Details:

DISCLAIMER: The calculated results shown herein are subject to site information issued. Any deviation will impact on the results and it is the recipients responsibility to verify the design is suitable for the application. Results are based upon exact calculations using standardised lamps, luminaires and ambient temperature. Unless otherwise stated, all calculations are made assuming open unobstructed areas and the plan is considered along the same plane (i.e. no gradients or change in elevation). For software support, please contact: designsupport@harshandhazardous.com



Contents

1 Luminaire Data

- 1.1 Luminaire Reports
- 1.2 Luminaire Location Report

2 Project Views

- 2.1 Plan View
- 2.2 Lighting Key
- 2.3 3D Projection
- 2.4 Grid Contours

3 Design Results

3.1 Full

- 3.1.1 Layout
- 3.1.2 Results Table
- 3.1.3 Isolux Contours
- 3.1.4 Filled Contours
- 3.1.5 3D Contours



1 Luminaire Data

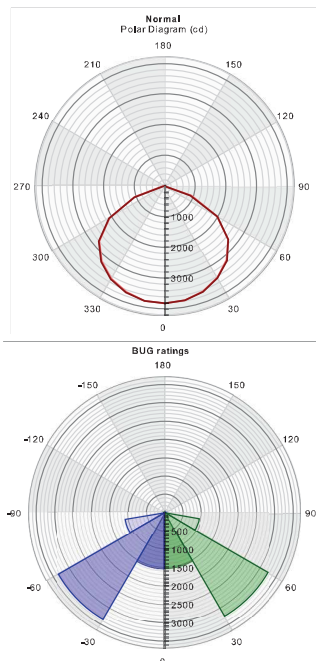
1.1 Luminaire Reports

EVL-080090

EVL-080090

Luminaire Filename	evl-080090.ies
Luminaire Efficiency (LOR)	100 %
Luminaire Efficacy	127.64 lm/W
Downward Flux Fraction (DLOR/LOR)	100 %
Circuit Power	92.2 W
Hazardous Rating	
Lamp	1006B/CL307/20-56L
No. Lamps	1
Lamp Lumens (lm)	11768 lm (11768 lm Total)
Delivered Lumens (lm)	11768 lm
Maintenance Factor	0.8
Power Modes	NORMAL
BLF	N/A
BUG Rating	B3-U1-G3
Luminous Dimensions	-0.2m x -0.2m x 0m
Luminaire Quantity	8
More information:	

User's
Luminaire



1 Luminaire Data

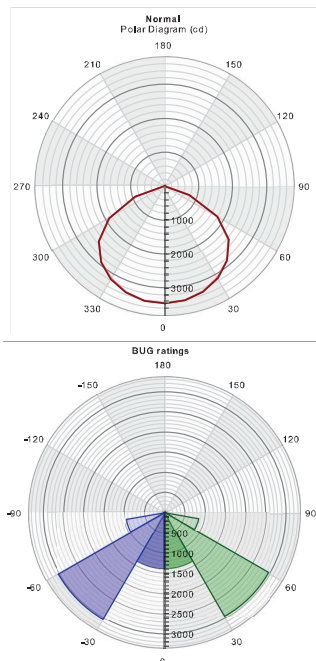
1.1 Luminaire Reports

EVL-080080

EVL-080080

Luminaire Filename	evl-080080.ies
Luminaire Efficiency (LOR)	100 %
Luminaire Efficacy	130.27 lm/W
Downward Flux Fraction (DLOR/LOR)	100 %
Circuit Power	81.6 W
Hazardous Rating	
Lamp	1006B/CL307/20-55L
No. Lamps	1
Lamp Lumens (lm)	10630 lm (10630 lm Total)
Delivered Lumens (lm)	10630 lm
Maintenance Factor	0.8
Power Modes	NORMAL
BLF	N/A
BUG Rating	B3-U1-G2
Luminous Dimensions	-0.2m x -0.2m x 0m
Luminaire Quantity	12
More information:	

User's
Luminaire



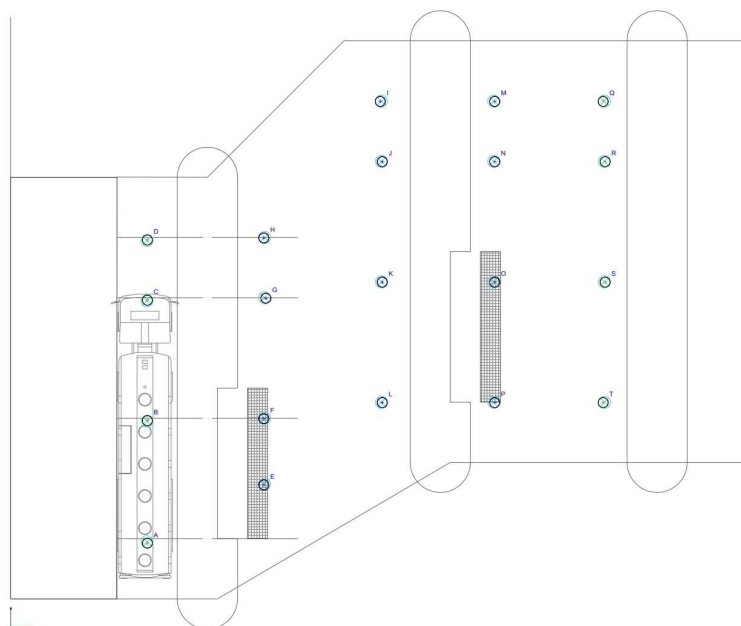
1 Luminaire Data
1.2 Luminaire Location Report

LUMINAIRE DETAILS						POWER MODE OPERATION		
Ref.	Catalogue Number (Luminaire Label)	Location (X, Y)	Height (mm)	Outreach (mm)	Rotation (Z°, Y°, X°)	Full	Essential	Escape
A	EVL-080090	6800.00, 4200.00	8000.00	0.00	297.0, 0.0, 0.0	ON	OFF	OFF
B	EVL-080090	6800.00, 10300.00	8000.00	0.00	219.0, 0.0, 0.0	ON	OFF	OFF
C	EVL-080090	6800.00, 16300.00	8000.00	0.00	137.0, 0.0, 0.0	ON	OFF	OFF
D	EVL-080090	6800.00, 19300.00	8000.00	0.00	58.0, 0.0, 0.0	ON	OFF	OFF
E	EVL-080080	12600.00, 7100.00	8000.00	0.00	97.0, 0.0, 0.0	ON	OFF	OFF
F	EVL-080080	12600.00, 10400.00	8000.00	0.00	105.0, 0.0, 0.0	ON	OFF	OFF
G	EVL-080080	12700.00, 16400.00	8000.00	0.00	311.0, 0.0, 0.0	ON	OFF	OFF
H	EVL-080080	12600.00, 19400.00	8000.00	0.00	54.0, 0.0, 0.0	ON	OFF	OFF
I	EVL-080080	18400.00, 26200.00	8000.00	0.00	91.0, 0.0, 0.0	ON	OFF	OFF
J	EVL-080080	18500.00, 23200.00	8000.00	0.00	335.0, 0.0, 0.0	ON	OFF	OFF
K	EVL-080080	18500.00, 17200.00	8000.00	0.00	81.0, 0.0, 0.0	ON	OFF	OFF
L	EVL-080080	18500.00, 11200.00	8000.00	0.00	75.0, 0.0, 0.0	ON	OFF	OFF
M	EVL-080080	24100.00, 26200.00	8000.00	0.00	216.0, 0.0, 0.0	ON	OFF	OFF
N	EVL-080080	24100.00, 23200.00	8000.00	0.00	216.0, 0.0, 0.0	ON	OFF	OFF
O	EVL-080080	24100.00, 17200.00	8000.00	0.00	14.0, 0.0, 0.0	ON	OFF	OFF
P	EVL-080080	24100.00, 11200.00	8000.00	0.00	13.0, 0.0, 0.0	ON	OFF	OFF
Q	EVL-080090	29500.00, 26200.00	8000.00	0.00	210.0, 0.0, 0.0	ON	OFF	OFF
R	EVL-080090	29600.00, 23200.00	8000.00	0.00	344.0, 0.0, 0.0	ON	OFF	OFF
S	EVL-080090	29600.00, 17200.00	8000.00	0.00	33.0, 0.0, 0.0	ON	OFF	OFF
T	EVL-080090	29500.00, 11200.00	8000.00	0.00	154.0, 0.0, 0.0	ON	OFF	OFF



2 Project Views



2.1 Plan View



2 Project Views

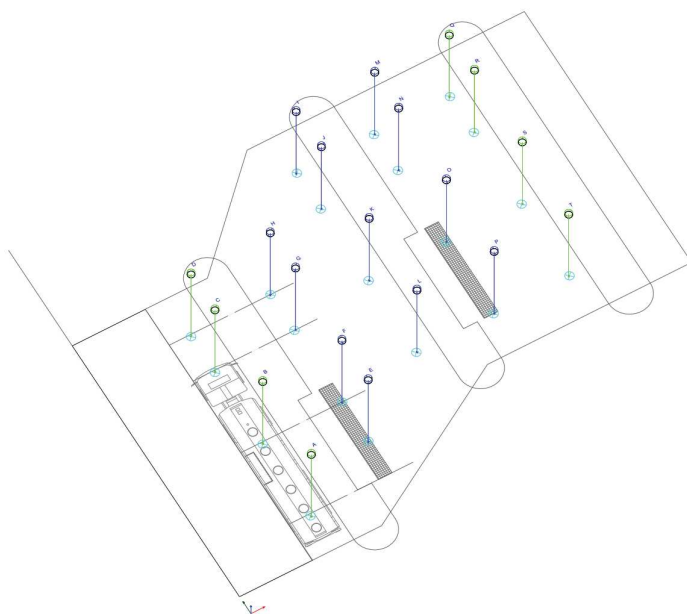
2.2 Lighting Key

Exterior

SUBSCRIPT	SYMBOL	QTY.	CATALOGUE NUMBER	DESCRIPTION
		8	EVL-080090	EVL-080090
		12	EVL-080080	EVL-080080

2 Project Views

2.3 3D Projection



2 Project Views

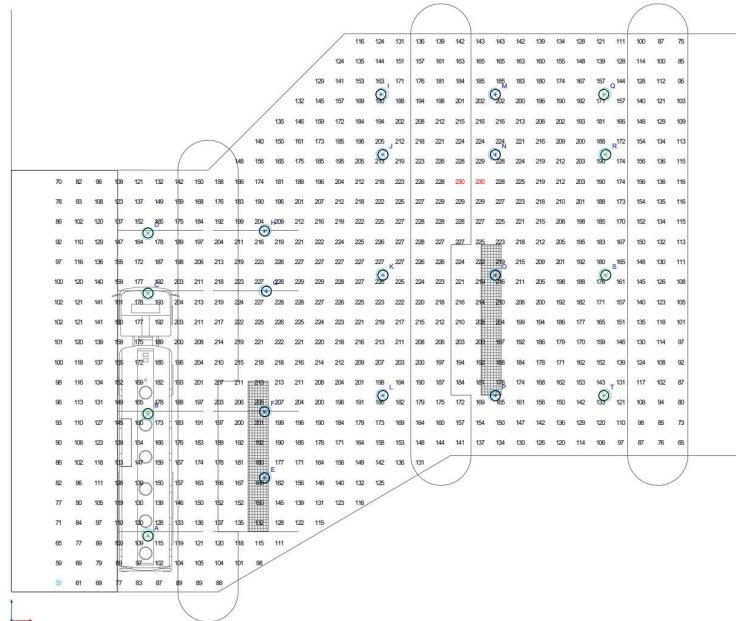
2.4 Grid Contours

Grid Name: Grid 1		
#	VALUE (lx)	COLOUR
1	500	
2	250	
3	100	
4	50	
5	25	
6	10	
7	5	
8	1	

3 Design Results

3.1 Full

3.1.1 Layout



3 Design Results

3.1 Full

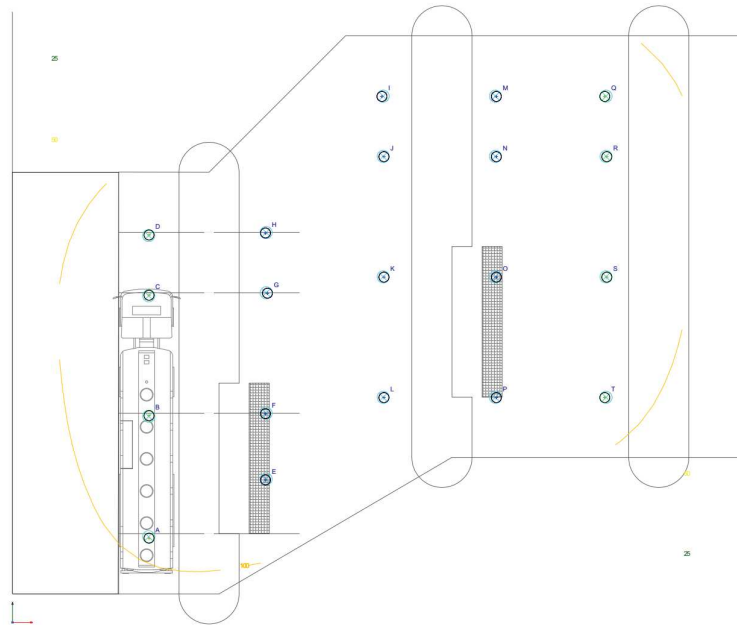
3.1.2 Results Table

Exterior							
Total Power: 1716.80 W							
Power Density (688.36 m2): 2.49 W/m2							
Illuminance Grids							
GRID REF	DESCRIPTION	ELEVATION (mm)	EAve (lx)	EMax (lx)	EMin (lx)	Uo (Min / Ave)	Ud (Min / Max)
1	Grid 1	0.00	167.6	229.8	51.8	0.309	0.226

3 Design Results

3.1 Full

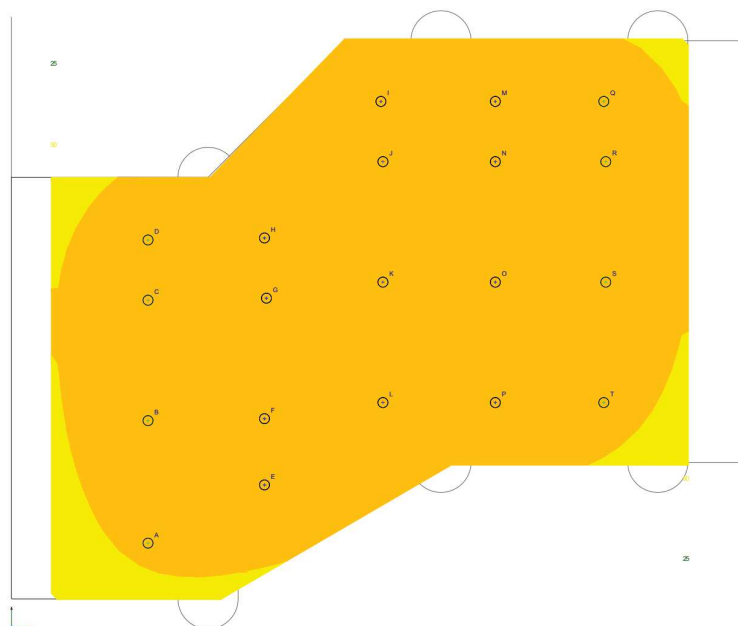
3.1.3 Isolux Contours



3 Design Results

3.1 Full

3.1.4 Filled Contours



3 Design Results

3.1 Full

3.1.5 3D Contours

