



ZMĚNA VÝKRESU:

| Č. ZMĚNY | PŘEDMĚT ZMĚNY | ZMĚNU PROVEDL | PODPIS | DATUM ZMĚNY |
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SO 432

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| PODZHOTOVITEL: | A.M.O. projekt s.r.o. | | A.M.O. projekt s.r.o. SOKOLOVSKÁ 1154 763 02 ZLÍN-MALENOVICE tel. +420 577 158 803, +420 777 699 699 email: amoprojekt@seznam.cz |
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| VYPRACOVAL | KAREL MALÝ | | |
| KONTROLOVAL | Ing. arch. ANTONÍN OTÉPKA | | |

SOUŘADNICOVÝ SYSTÉM : S - JTSK
 VÝŠKOVÝ SYSTÉM : B.p.v.

| | | | |
|--|---------------------|---|---|
| OBJEDNATEL, INVESTOR: MĚSTO OTROKOVICE NÁMĚSTÍ 3. KVĚTNA 1340 OTROKOVICE 765 02 | |  | |
| VEDOUCÍ PROJEKTANT - HIP | ING. STRUHÁR FILIP | |  |
| ZODPOVĚDNÝ PROJEKTANT | ING. STÁŇOVÁ MARTA | | |
| VYPRACOVAL | ING. STÁŇOVÁ MARTA | | |
| KONTROLOVAL | ING. STÁŇOVÁ MARTA | | |
| KRAJ, MěÚ, ObÚ | ZLÍNSKÝ, OTROKOVICE | | |
| OBJEDNATEL, INVESTOR | MĚSTO OTROKOVICE | | |
| NÁZEV AKCE: ODSTRANĚNÍ BODOVÉ ZÁVADY – LÁVKA LP2 PŘES DŘEVNICI – VÝSTAVBA NOVÉ LÁVKY, VČ. REALIZACE PŘIPOJENÍ PÁTEŘNÍCH CYKLOSTEZEK | | DATUM | 12/2022 |
| NÁZEV OBJEKTU: VEŘEJNÉ OSVĚTLENÍ | | FORMÁT | 11 A4 |
| | | MĚŘÍTKO | |
| | | STUPEŇ | DVD |
| NÁZEV VÝKRESU: VÝPOČET OSVĚTLENÍ | | ZAK. ČÍSLO | 210222 |
| | | Č. SOUPRAVY | Č. VÝKRESU 08 |

Objekt : Lávka přes Dřevnici v Otrokovicích
Popis : LED osvětlení v zábradlí
Číslo projektu : 22PM062
Datum : 31.07.2022

1 Údaje o svítidle

1.3 Vulkan (Hess GmbH Licht + Form), V2 (!LMD HS.VN.V3610 LED O4V cyklo)

1.3.1 Specifikace svítidla

Výrobce: Vulkan (Hess GmbH Licht + Form)

!LMD HS.VN.V3610 LED O4V cyklo V2

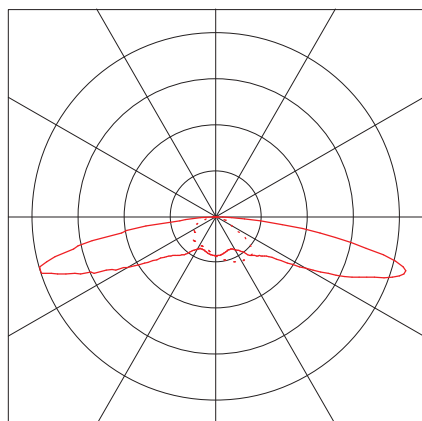
Údaje o svítidle

Absolutní fotometrie
Účinnost svítidel : 113.86 lm/W
Klasifikace : A20 □ 100.0% ↑ 0.0%
CIE Flux Codes : 30 64 92 100 100
UGR 4H 8H : 42.7 / 28.2
Výkon : 36 W
Světelný tok : 4099 lm

Osazeno

Počet : 1
Označení : 2x8LED RNM
36W 700mA
3000K
Barva : 3000
Podání barev : 70

Rozměry : 580 mm x 275 mm x 105 mm

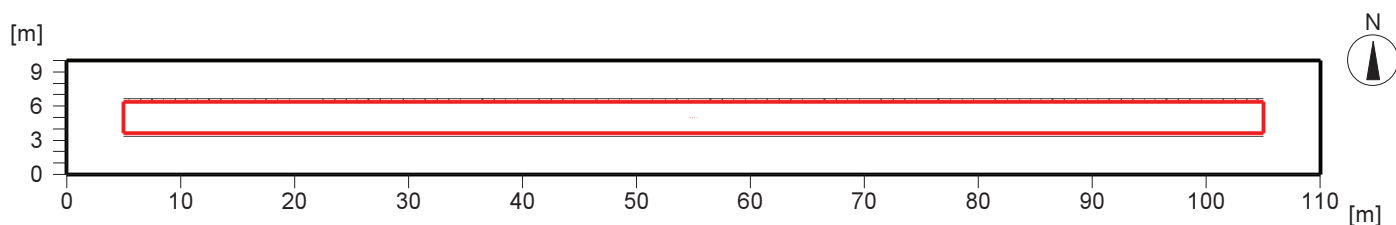


Objekt : Lávka přes Dřevnici v Otrokovcích
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Číslo projektu : 22PM062
Datum : 31.07.2022

2 Lávka v Otrokovcích

2.1 Popis, Lávka v Otrokovcích

2.1.1 Půdorys

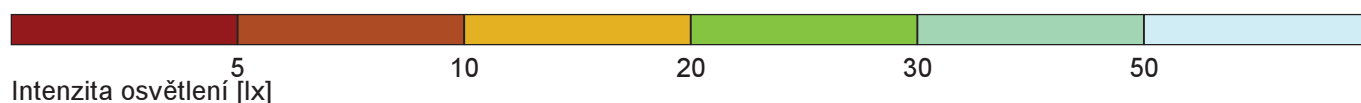
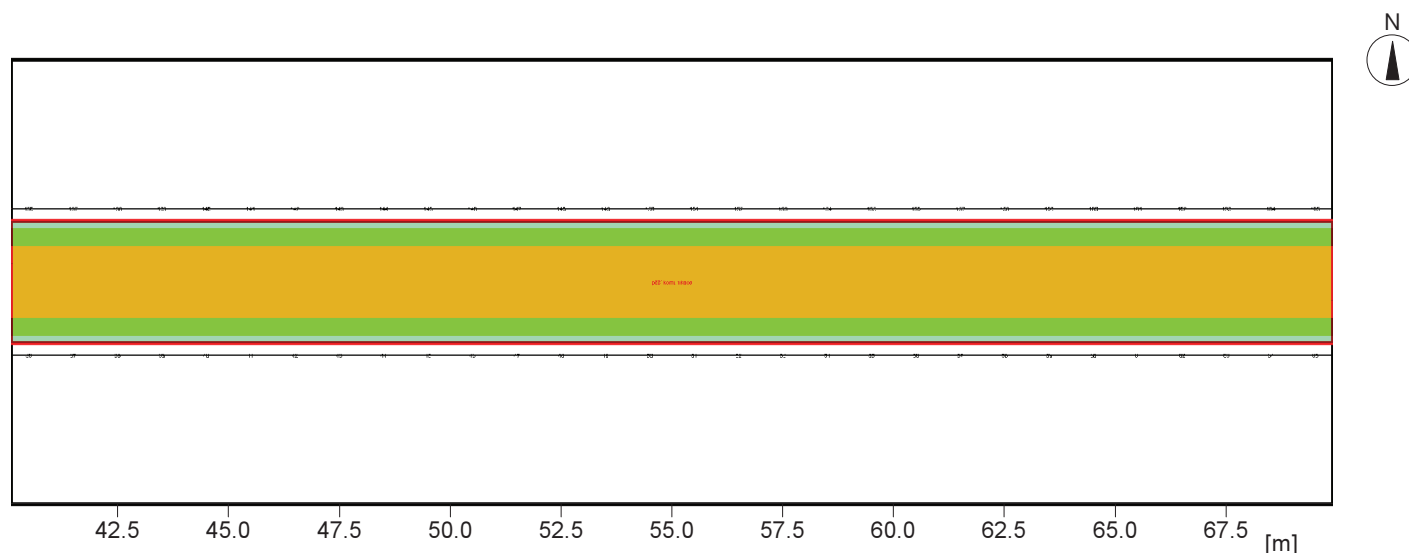


Objekt : Lávka přes Dřevnici v Otrokovicích
 Popis : LED osvětlení v zábradlí
 Číslo projektu : 22PM062
 Datum : 31.07.2022

2 Lávka v Otrokovicích

2.2 Přehled výsledků, Lávka v Otrokovicích

2.2.1 Přehled výsledků, pěší komunikace



Obecně

Použitý algoritmus výpočtu : centrální podíl nepřímé složky
 Výška hodnotící plochy : 0.00 m
 Výška světelného bodu. [m]: 1.10 m
 Udržovací činitel : 0.70

Celkový světelný tok všech zdrojů : 20000 lm
 Celkový výkon : 800 W
 Celkový výkon na ploše (1100.00 m2) : 0.73 W/m2

Intenzity osvětlení

| | | |
|-----------------------|-----------|---------------|
| Udržovaná osvětlenost | Em | 17.3 lx |
| Minimální osvětlenost | Emin | 7.7 lx |
| Maximální osvětlenost | Emax | 25.5 lx |
| Rovnoměrnost Uo | Emin/Em | 1:2.25 (0.44) |
| Rovnoměrnost Ud | Emin/Emax | 1:3.3 (0.3) |

Typ Č. výrobce

| | | | |
|---|-----|----------------|---------------------------------|
| 1 | 200 | LMD | |
| | | Objednací č. | : !LMD MA.1000/04W opal IP65 |
| | | Název svítidla | : LED |
| | | Osazení | : 1 x LED 4W/m 24V 4 W / 100 lm |

lumidée
lighting solutions & ideas

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 Číslo projektu : 22PM062
 Datum : 31.07.2022

2 Lávka v Otrokovcích

2.3 Výsledky výpočtu, Lávka v Otrokovcích

2.3.1 Tabulka, pěší komunikace (E)

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Díl2

Objekt : Lávka přes Dřevnici v Otrokovicích
 Popis : LED osvětlení v zábradlí
 Číslo projektu : 22PM062
 Datum : 31.07.2022

4 Cyklostezka křižovatka

4.1 Popis, Cyklostezka křižovatka

4.1.1 Údaje o svítidlech/Prvky prostoru

Údaje o výrobku:

Typ Č. výrobce

| | | | |
|---|---|--|---|
| | | Vulkan (Hess GmbH Licht + Form) | |
| 3 | 2 | Objednací č. | : !LMD HS.VN.V3610 LED O4V cyklo |
| | | Název svítidla | : V2 |
| | | Osazení | : 1 x 2x8LED RNM 36W 700mA 3000K 36 W / 4099 lm |

| Č. | Typ | centrální bod | | | Úhel otáčení kolem | | | Cílové souřadnice | | |
|---|-----|---------------|-------|-------|--------------------|--------|---------|-------------------|--------|--------|
| | | X [m] | Y [m] | Z [m] | Z [°] | C0 [°] | C90 [°] | Xa [m] | Ya [m] | Za [m] |
| Vulkan (Hess GmbH Licht + Form) V2 !LMD HS.VN.V3610 LED O4V cyklo | | | | | | | | | | |
| 1 | | 29.25 | 15.28 | 7.95 | 0.00 | 0.00 | 0.00 | 29.25 | 19.87 | 0.00 |
| 2 | | 29.24 | 13.96 | 7.95 | 180.00 | 0.00 | 0.00 | 29.25 | 9.37 | 0.00 |

Konstrukční prvky

Virtuální měřicí plocha

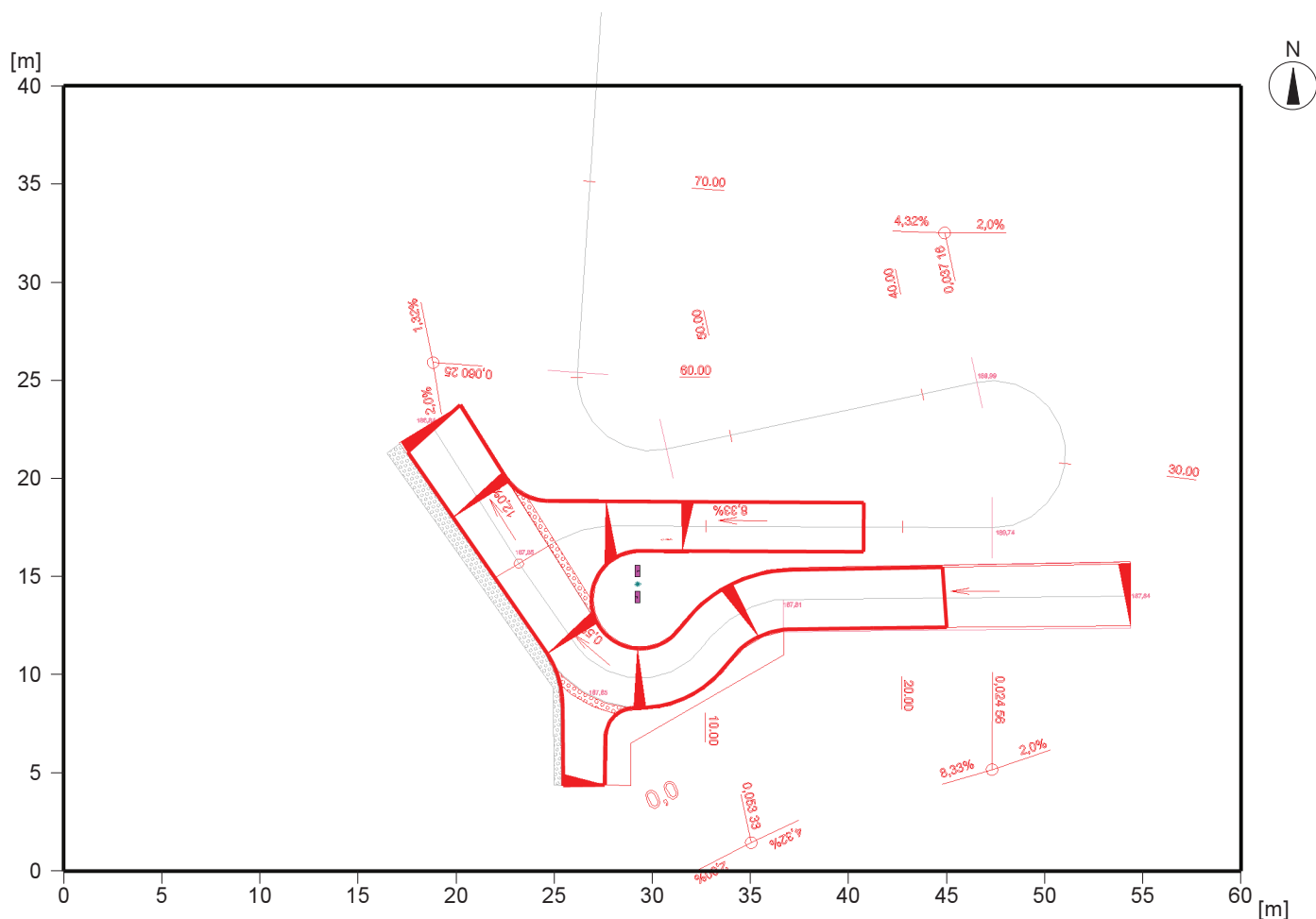
| Č. | xm[m] | ym[m] | zm[m] | Délka | Šířka | Osa Z | Úhel otáčení | |
|-------------|-------|-------|-------|-------|-------|-------|--------------|-------|
| | | | | | | | Osa L | Osa Q |
| cyklostezka | | | | | | | | |
| m 1 | 17.19 | 21.85 | 0.00 | 30.95 | 31.10 | 32.04 | 0.00 | 0.00 |

Ostatní

| Č. | xm[m] | ym[m] | zm[m] | Délka | Šířka | Osa Z | Úhel otáčení | |
|------|-------|-------|-------|-------|-------|-------|--------------|-------|
| | | | | | | | Osa L | Osa Q |
| Kv 1 | 28.75 | 14.12 | 0.00 | 0.10 | 0.10 | 0.00 | 0.00 | 0.00 |

lumidée
lighting solutions & ideas

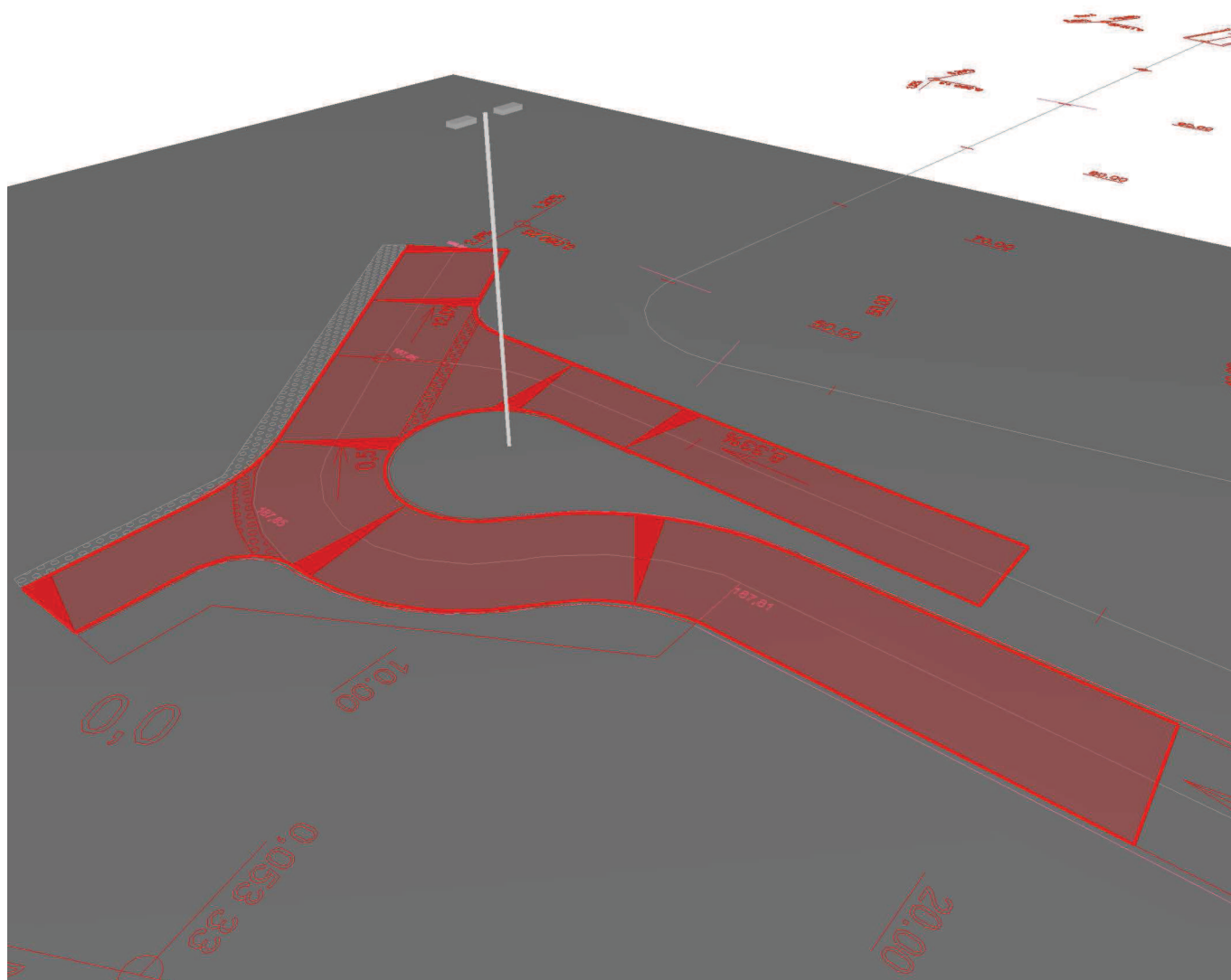
4.1.2 Pūdorys



Objekt : Lávka přes Dřevnici v Otrokovcích
Popis : LED osvětlení v zábradlí
Číslo projektu : 22PM062
Datum : 31.07.2022

4.1 Popis, Cyklostezka křižovatka

4.1.3 3D zobrazení, Pohled 1

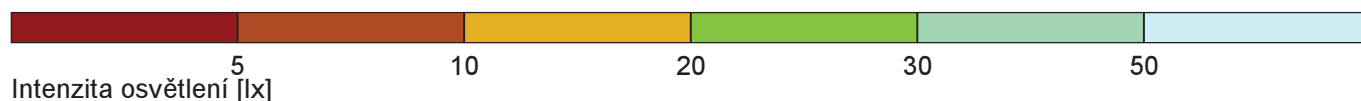
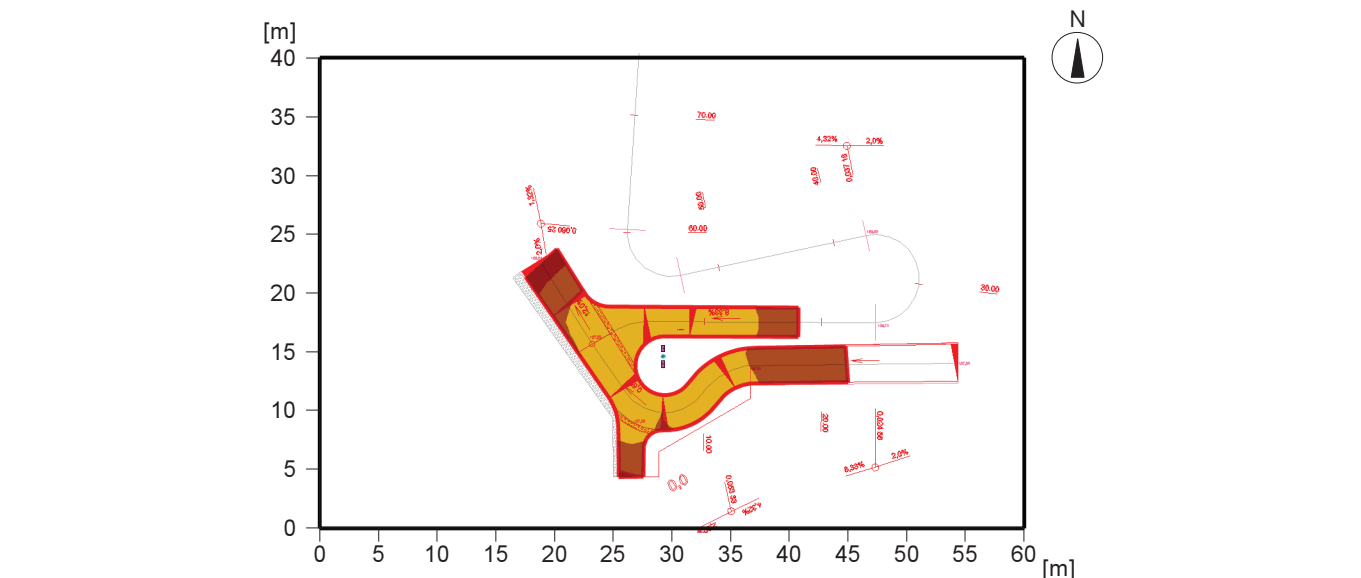


Objekt : Lávka přes Dřevnici v Otrokovicích
 Popis : LED osvětlení v zábradlí
 Číslo projektu : 22PM062
 Datum : 31.07.2022

4 Cyklostezka křižovatka

4.2 Přehled výsledků, Cyklostezka křižovatka

4.2.1 Přehled výsledků, cyklostezka



Obecně

Použitý algoritmus výpočtu

centrální podíl nepřímé složky

Výška hodnotící plochy

0.00 m

Výška světelného bodu. [m]:

7.95 m

Udržovací činitel

0.90

Celkový světelný tok všech zdrojů

8198 lm

Celkový výkon

72 W

Celkový výkon na ploše (2400.00 m2)

0.03 W/m2

Intenzity osvětlení

Udržovaná osvětlenost

Em

10.7 lx

Minimální osvětlenost

Emin

3.3 lx

Maximální osvětlenost

Emax

17.3 lx

Rovnoměrnost Uo

Emin/Em

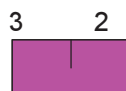
1:3.25 (0.31)

Rovnoměrnost Ud

Emin/Emax

1:5.25 (0.19)

Typ Č. výrobce



Vulkan (Hess GmbH Licht + Form)

Objednací č. : !LMD HS.VN.V3610 LED O4V cyklo

Název svítidla : V2

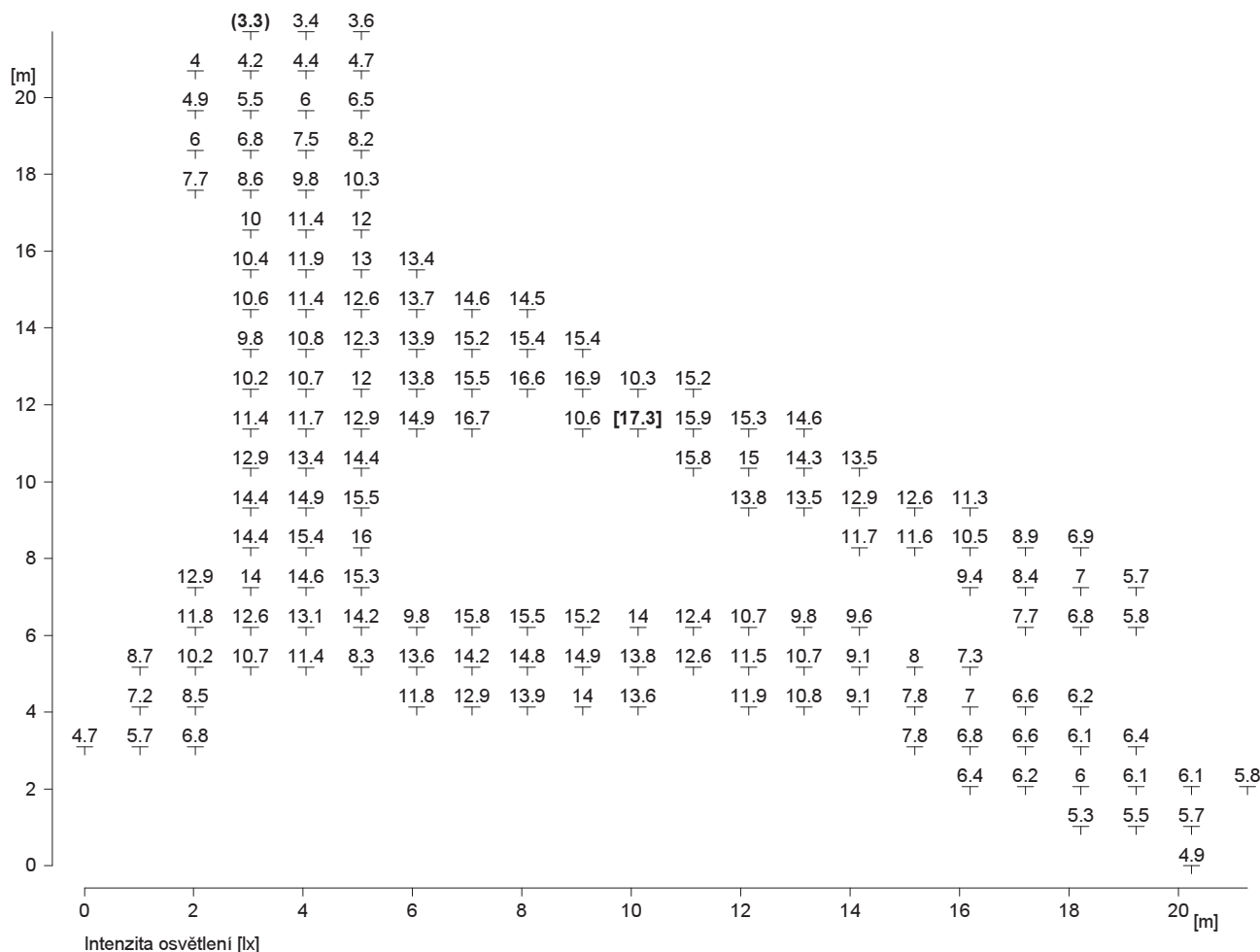
Osazení : 1 x 2x8LED RNM 36W 700mA 3000K 36 W / 4099 lm

Objekt : Lávka přes Dřevnici v Otrokovicích
 Popis : LED osvětlení v zábradlí
 Číslo projektu : 22PM062
 Datum : 31.07.2022

4 Cyklostezka křižovatka

4.3 Výsledky výpočtu, Cyklostezka křižovatka

4.3.1 Tabulka, cyklostezka (E)



Výška srovnávací roviny

| | | |
|-----------------------|-----------|-------------------|
| Udržovaná osvětlenost | Em | : 0.00 m |
| Minimální osvětlenost | Emin | : 3.3 lx |
| Maximální osvětlenost | Emax | : 17.3 lx |
| Rovnoměrnost Uo | Emin/Em | : 1 : 3.25 (0.31) |
| Rovnoměrnost Ud | Emin/Emax | : 1 : 5.25 (0.19) |

