

Project Name: TOLL PLAZA

Partner for Contact:
Order No.:
Company:
Customer No.:

Date: 03.01.2020
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Halonix Technologies Pvt Ltd

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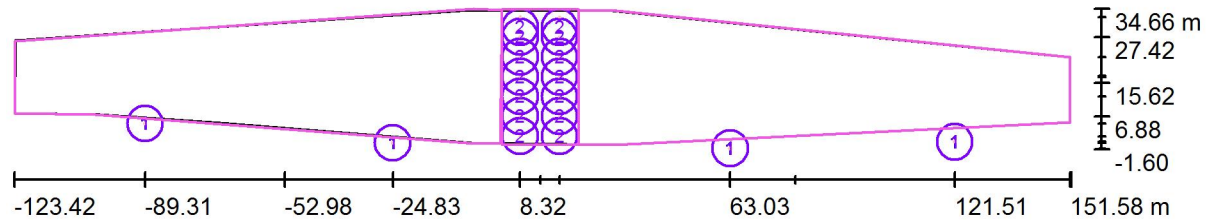
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TOLL PLAZA / Planning data

Light loss factor: 0.85, ULR (Upward Light Ratio): 6.0%

Scale 1:1967

Luminaire Parts List

No.	Pieces	Designation (Correction Factor)	Φ (Luminaire) [lm]	Φ (Lamps) [lm]	P [W]
1	28	HALONIX 200W LED FLOOD LIGHT CWL (1.000)	20059	20059	200.0
2	14	Halonix 80W LED Canopy Light CWL (1.000)	8067	8067	80.0
Total:			674590	Total: 674590	6720.0

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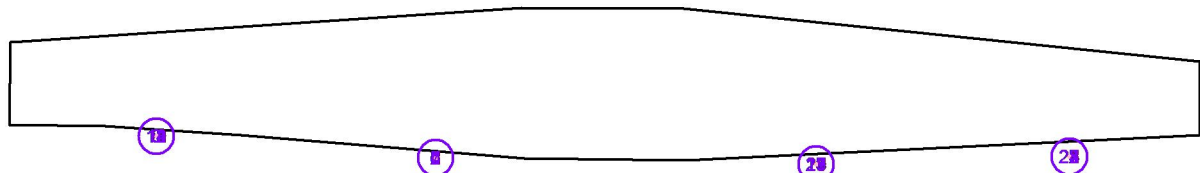
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TOLL PLAZA / Luminaires (coordinates list)**HALONIX 200W LED FLOOD LIGHT CWL (1.000)**

20059 lm, 200.0 W, 1 x 1 x User defined (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	-24.834	0.000	25.000	65.0	0.0	81.0
2	-24.834	0.000	25.000	65.0	0.0	65.0
3	-24.834	0.000	25.000	60.0	0.0	40.0
4	-24.834	0.000	25.000	50.0	0.0	5.0
5	-24.834	0.000	25.000	55.0	0.0	-30.0
6	-24.834	0.000	25.000	50.0	0.0	-50.0
7	-24.834	0.000	25.000	50.0	0.0	-80.0
8	-89.315	5.036	25.000	55.0	0.0	81.0
9	-89.315	5.036	25.000	55.0	0.0	55.0
10	-89.315	5.036	25.000	45.0	0.0	25.0
11	-89.315	5.036	25.000	45.0	0.0	-10.0
12	-89.315	5.036	25.000	55.0	0.0	-40.0
13	-89.315	5.036	25.000	65.0	0.0	-65.0
14	-89.315	5.036	25.000	65.0	0.0	-90.0
15	63.028	-1.407	25.000	55.0	0.0	86.0
16	63.028	-1.407	25.000	60.0	0.0	62.0
17	63.028	-1.407	25.000	65.0	0.0	45.0
18	63.028	-1.407	25.000	55.0	0.0	22.0
19	63.028	-1.407	25.000	50.0	0.0	-8.0
20	63.028	-1.407	25.000	55.0	0.0	-40.0
21	63.028	-1.407	25.000	60.0	0.0	-75.0
22	121.511	0.334	25.000	60.0	0.0	85.0
23	121.511	0.334	25.000	60.0	0.0	65.0
24	121.511	0.334	25.000	60.0	0.0	45.0
25	121.511	0.334	25.000	45.0	0.0	15.0
26	121.511	0.334	25.000	45.0	0.0	-20.0
27	121.511	0.334	25.000	55.0	0.0	-50.0
28	121.511	0.334	25.000	50.0	0.0	-75.0

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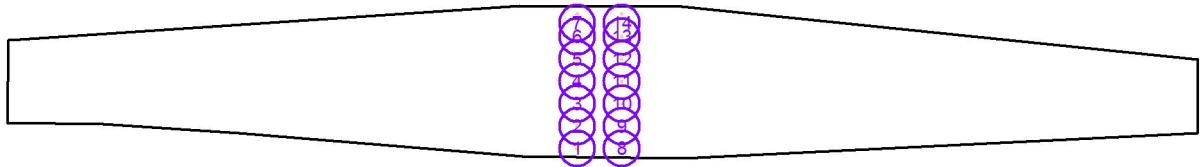
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TOLL PLAZA / Luminaires (coordinates list)**Halonix 80W LED Canopy Light CWL (1.000)**

8067 lm, 80.0 W, 1 x 1 x User defined (Correction Factor 1.000).



No.	Position [m]			Rotation [°]		
	X	Y	Z	X	Y	Z
1	8.318	1.751	6.500	0.0	0.0	90.0
2	8.318	6.884	6.500	0.0	0.0	90.0
3	8.318	12.017	6.500	0.0	0.0	90.0
4	8.318	17.150	6.500	0.0	0.0	90.0
5	8.318	22.283	6.500	0.0	0.0	90.0
6	8.318	27.416	6.500	0.0	0.0	90.0
7	8.318	32.549	6.500	0.0	0.0	90.0
8	18.590	1.751	6.500	0.0	0.0	90.0
9	18.590	6.884	6.500	0.0	0.0	90.0
10	18.590	12.017	6.500	0.0	0.0	90.0
11	18.590	17.150	6.500	0.0	0.0	90.0
12	18.590	22.283	6.500	0.0	0.0	90.0
13	18.590	27.416	6.500	0.0	0.0	90.0
14	18.590	32.549	6.500	0.0	0.0	90.0

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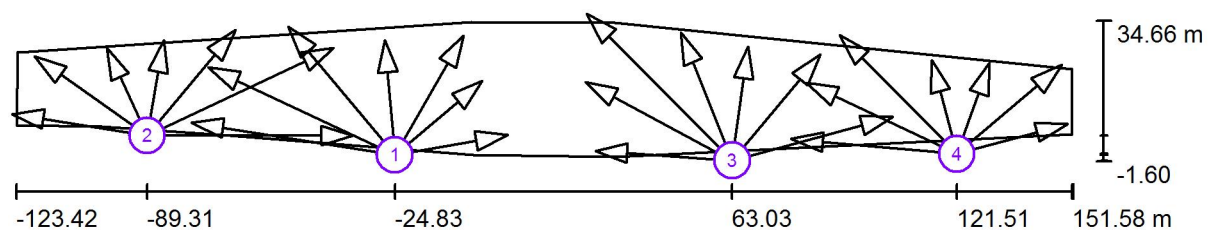
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TOLL PLAZA / Sport Luminaires (Coordinates List)



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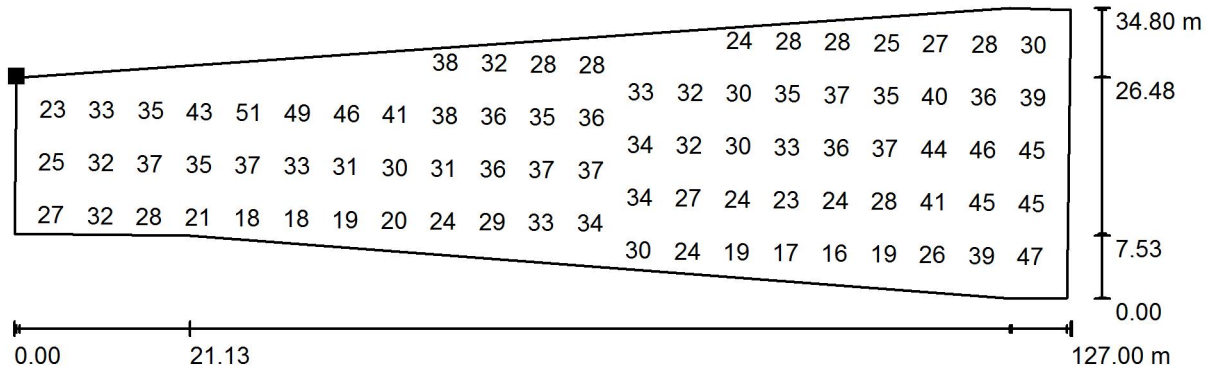
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TOLL PLAZA / LHS TOLL PLAZA / Value Chart (E, Perpendicular)

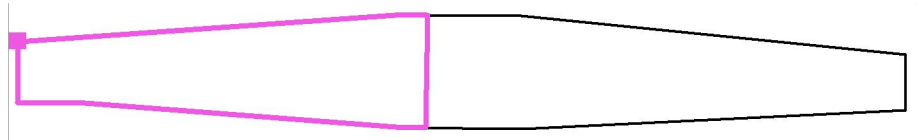
Values in Lux, Scale 1 : 908

Not all calculated values could be displayed.

Position of surface in external scene:

Marked point:

(-123.121 m, 26.422 m, 0.760 m)



Grid: 11 x 43 Points

 E_{av} [lx]
33

 E_{min} [lx]
14

 E_{max} [lx]
59

 u_0
0.434

 E_{min} / E_{max}
0.241

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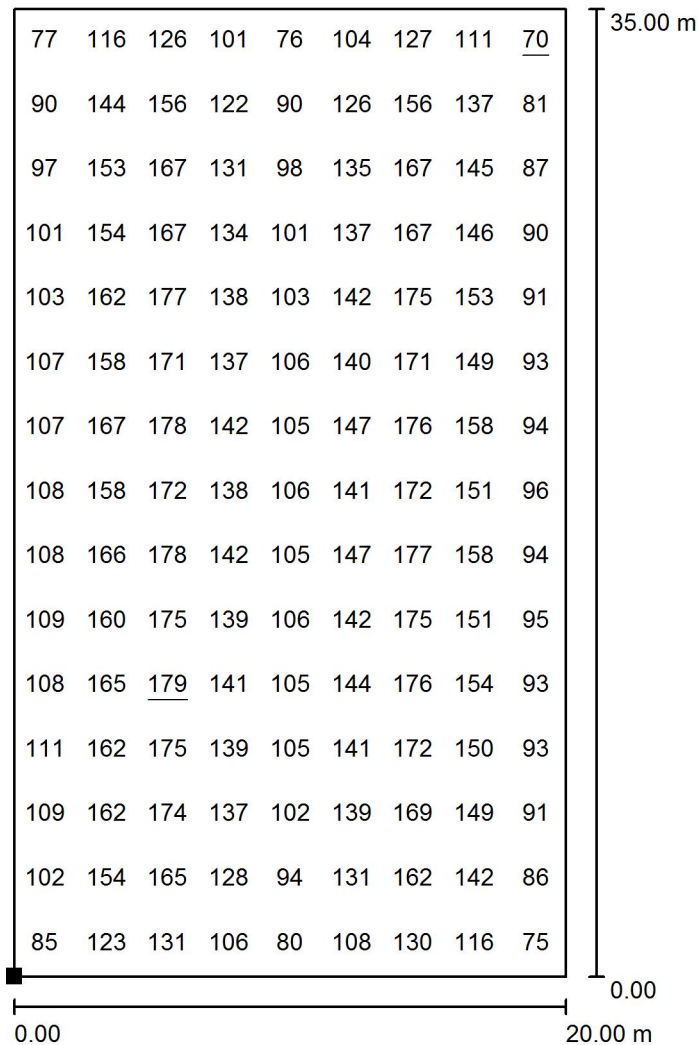
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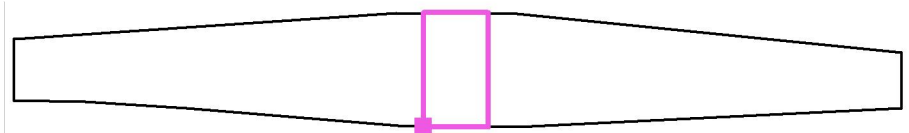
TOLL PLAZA / MIDDLE AREA TOLL PLAZA / Value Chart (E, Perpendicular)

Values in Lux, Scale 1 : 274

Position of surface in external scene:

Marked point:

(3.578 m, -0.387 m, 0.760 m)



Grid: 9 x 15 Points

 E_{av} [lx]
132 E_{min} [lx]
70 E_{max} [lx]
179 u_0
0.528 E_{min} / E_{max}
0.389

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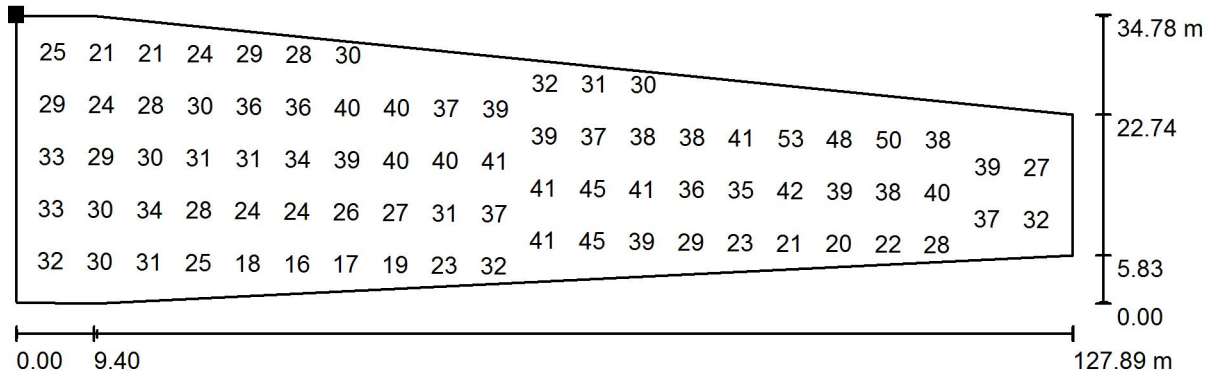
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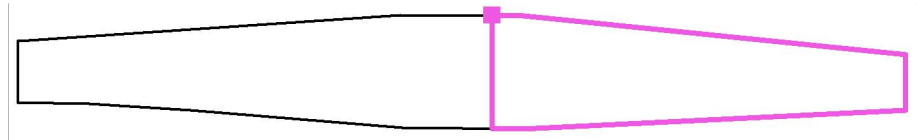
TOLL PLAZA / LHS TOLL PLAZA / Value Chart (E, Perpendicular)

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Position of surface in external scene:

Marked point:

(23.617 m, 34.278 m, 0.760 m)



Grid: 43 x 11 Points

 E_{av} [lx]
33

 E_{min} [lx]
14

 E_{max} [lx]
54

 u_0
0.425

 E_{min} / E_{max}
0.261

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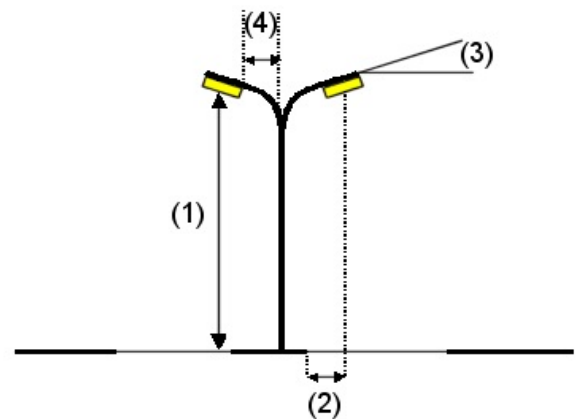
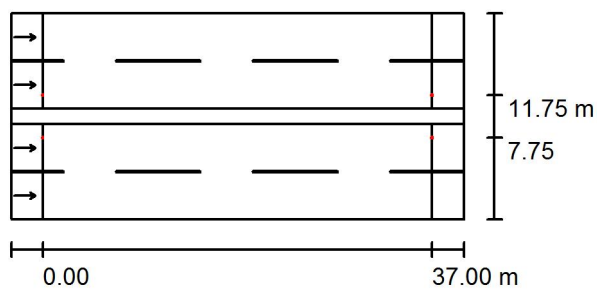
ROAD / Planning data**Street Profile**

Roadway 2 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Median 1 (Width: 1.500 m, Height: 0.000 m)

Roadway 1 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)

Light loss factor: 0.85

Luminaire Arrangements

Luminaire: HALONIX 210W LED STREET LIGHT CWL
 Luminous flux (Luminaire): 26348 lm
 Luminous flux (Lamps): 26362 lm
 Luminaire Wattage: 210.0 W
 Arrangement: on Median
 Pole Distance: 37.000 m
 Mounting Height (1): 10.000 m
 Height: 10.000 m
 Overhang (2): 1.500 m
 Boom Angle (3): 15.0 °
 Boom Length (4): 2.000 m

Maximum luminous intensities
 at 70°: 537 cd/klm
 at 80°: 122 cd/klm
 at 90°: 8.43 cd/klm

Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

Arrangement complies with luminous intensity class G2.

Arrangement complies with glare index class D.0.

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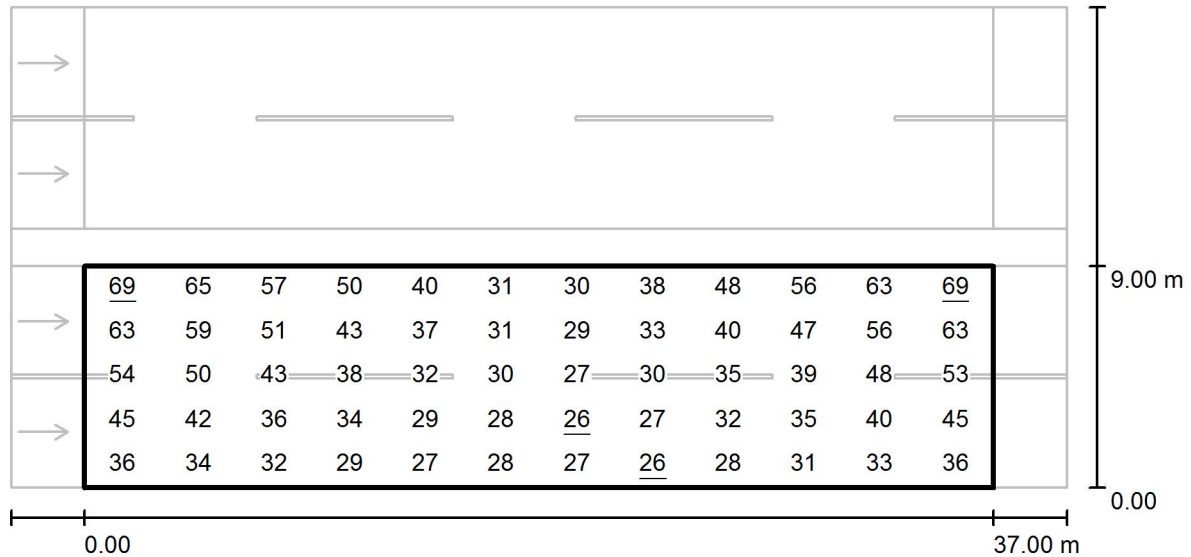
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ROAD / Valuation Field Roadway 1 / Value Chart (E)

Values in Lux, Scale 1 : 308

Grid: 12 x 5 Points

 E_{av} [lx]
41

 E_{min} [lx]
26

 E_{max} [lx]
69

 u_0
0.634

 E_{min} / E_{max}
0.375

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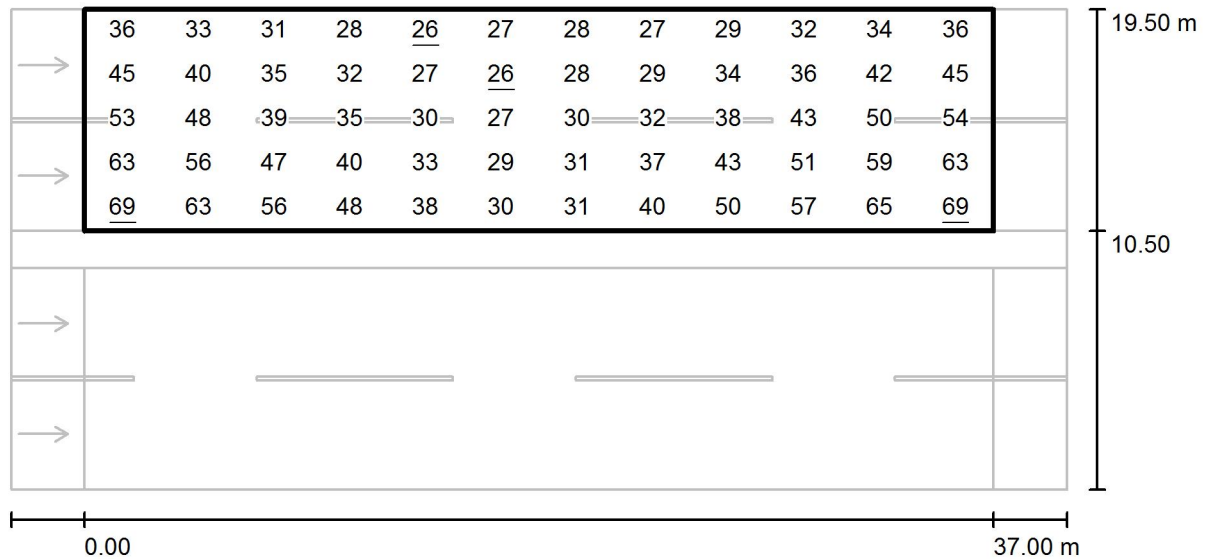
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ROAD / Valuation Field Roadway 2 / Value Chart (E)

Values in Lux, Scale 1 : 308

Grid: 12 x 5 Points

 E_{av} [lx]
41

 E_{min} [lx]
26

 E_{max} [lx]
69

 $u0$
0.634

 E_{min} / E_{max}
0.375