

Rimuli- Koida

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Order No.:
Company:
Customer No.:

Date: 13.08.2019
Operator: Abhishek Seth

Halonix Technologies Private Limited

B-31, Phase-2, Noida Dist-Gautam Budh Nagar (UP)-201305

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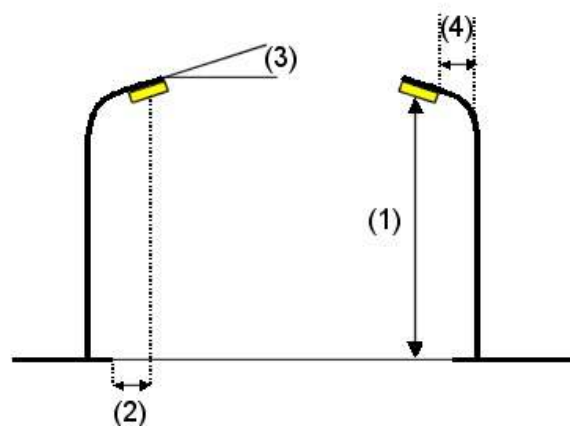
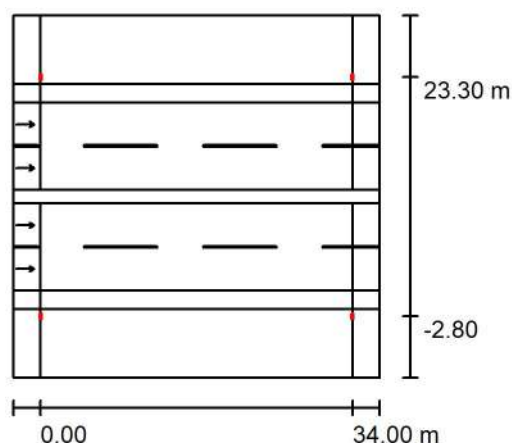
TYPE-3B / Planning data

Street Profile

| | |
|--------------|---|
| SERVICE ROAD | (Width: 7.500 m) |
| FOOTPATH | (Width: 2.000 m) |
| Roadway 2 | (Width: 9.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| Median 1 | (Width: 1.500 m, Height: 0.000 m) |
| Roadway 1 | (Width: 9.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| FOOTPATH | (Width: 2.000 m) |
| SERVICE ROAD | (Width: 7.500 m) |

Light loss factor: 0.85

Luminaire Arrangements



| | |
|----------------------------|-----------------------------------|
| Luminaire: | HALONIX 250W LED Street Light CWL |
| Luminous flux (Luminaire): | 31286 lm |
| Luminous flux (Lamps): | 31288 lm |
| Luminaire Wattage: | 250.0 W |
| Arrangement: | Double row, opposing |
| Pole Distance: | 34.000 m |
| Mounting Height (1): | 10.500 m |
| Height: | 10.457 m |
| Overhang (2): | -2.800 m |
| Boom Angle (3): | 5.0 ° |
| Boom Length (4): | 2.000 m |

Maximum luminous intensities

| | |
|---------|-------------|
| at 70°: | 239 cd/klm |
| at 80°: | 16 cd/klm |
| at 90°: | 2.90 cd/klm |

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

Arrangement complies with luminous intensity class G3.

Arrangement complies with glare index class D.5.

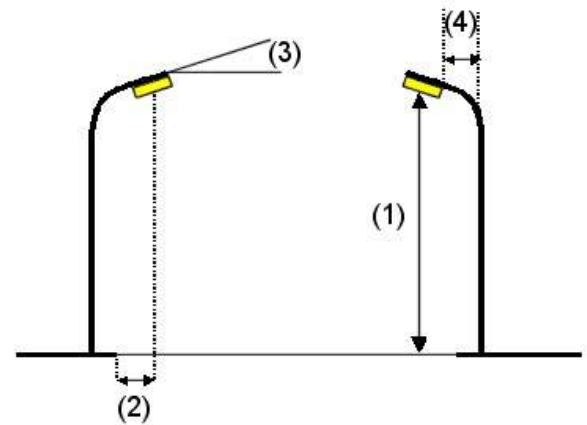
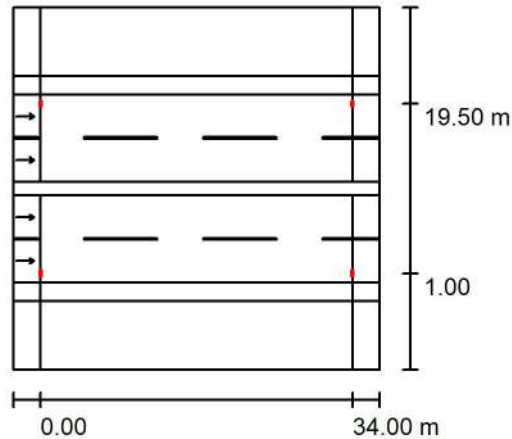
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TYPE-3B / Planning data

Luminaire Arrangements



Luminaire: HALONIX 210W LED Street Light CWL
 Luminous flux (Luminaire): 25230 lm
 Luminous flux (Lamps): 25232 lm
 Luminaire Wattage: 210.0 W
 Arrangement: Double row, opposing
 Pole Distance: 34.000 m
 Mounting Height (1): 10.500 m
 Height: 10.457 m
 Overhang (2): 1.000 m
 Boom Angle (3): 5.0 °
 Boom Length (4): 2.000 m

Maximum luminous intensities

at 70°: 239 cd/klm
 at 80°: 16 cd/klm
 at 90°: 2.90 cd/klm

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

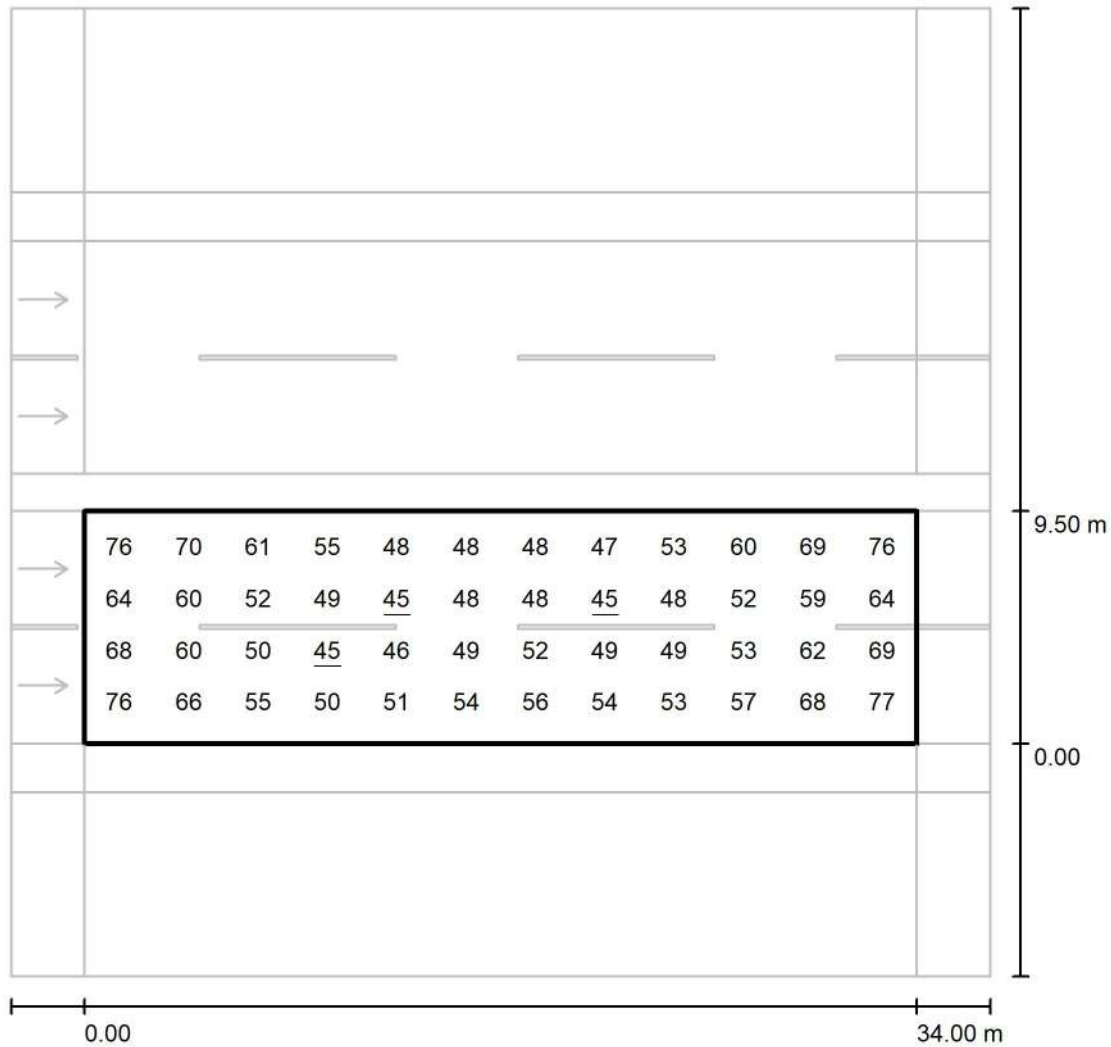
Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.5.

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TYPE-3B / Valuation Field Roadway 1 / Value Chart (E)



Values in Lux, Scale 1 : 309

Not all calculated values could be displayed.

Grid: 12 x 9 Points

 E_{av} [lx]
57

 E_{min} [lx]
45

 E_{max} [lx]
81

 u_0
0.788

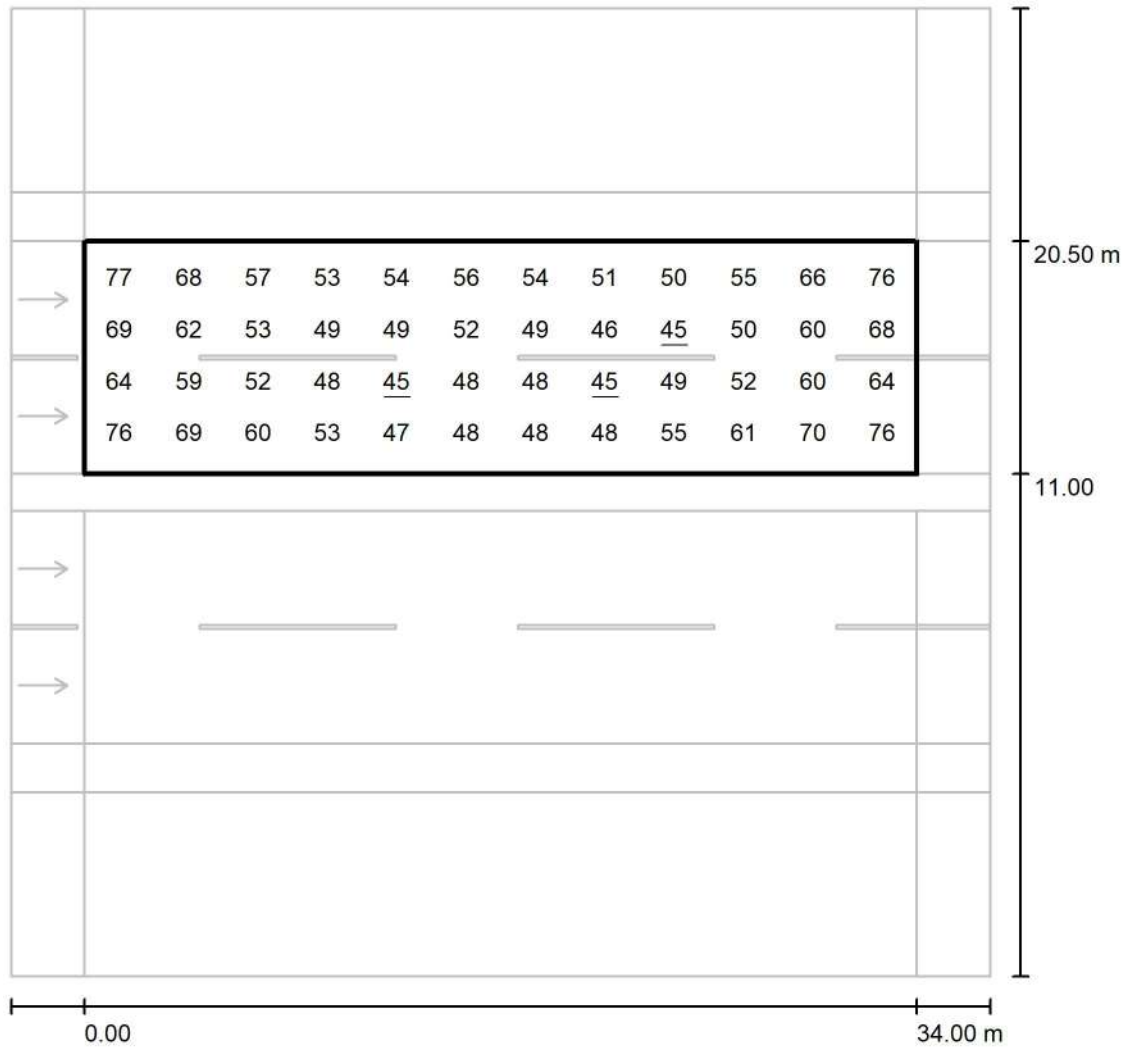
 E_{min} / E_{max}
0.558

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TYPE-3B / Valuation Field Roadway 2 / Value Chart (E)



Not all calculated values could be displayed.

Grid: 12 x 9 Points

 E_{av} [lx]
 57

 E_{min} [lx]
 45

 E_{max} [lx]
 81

 u_0
 0.788

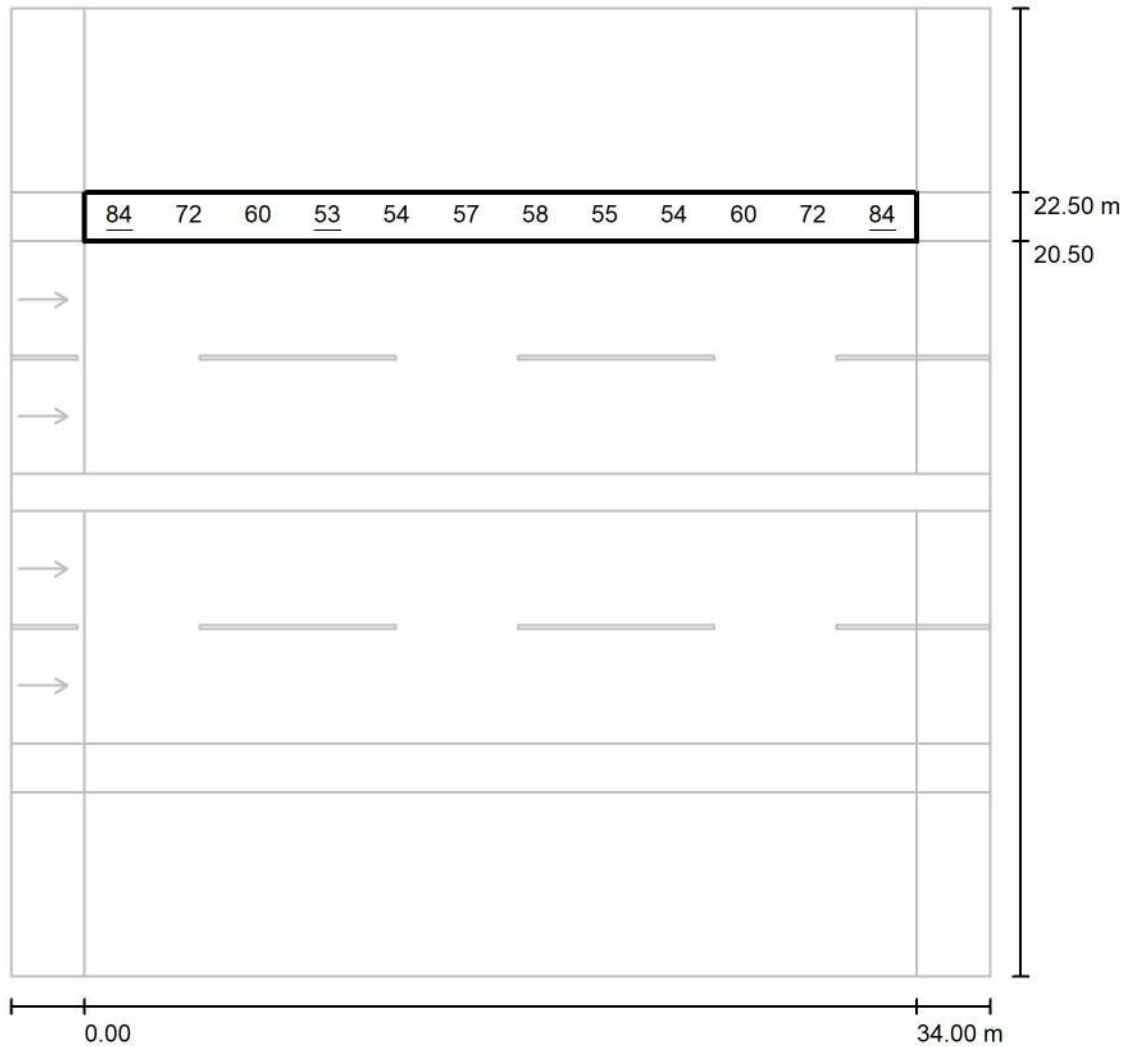
 E_{min} / E_{max}
 0.558



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TYPE-3B / FOOTPATH / Value Chart (E)


Values in Lux, Scale 1 : 309

Not all calculated values could be displayed.

Grid: 12 x 3 Points

 E_{av} [lx]
 64

 E_{min} [lx]
 53

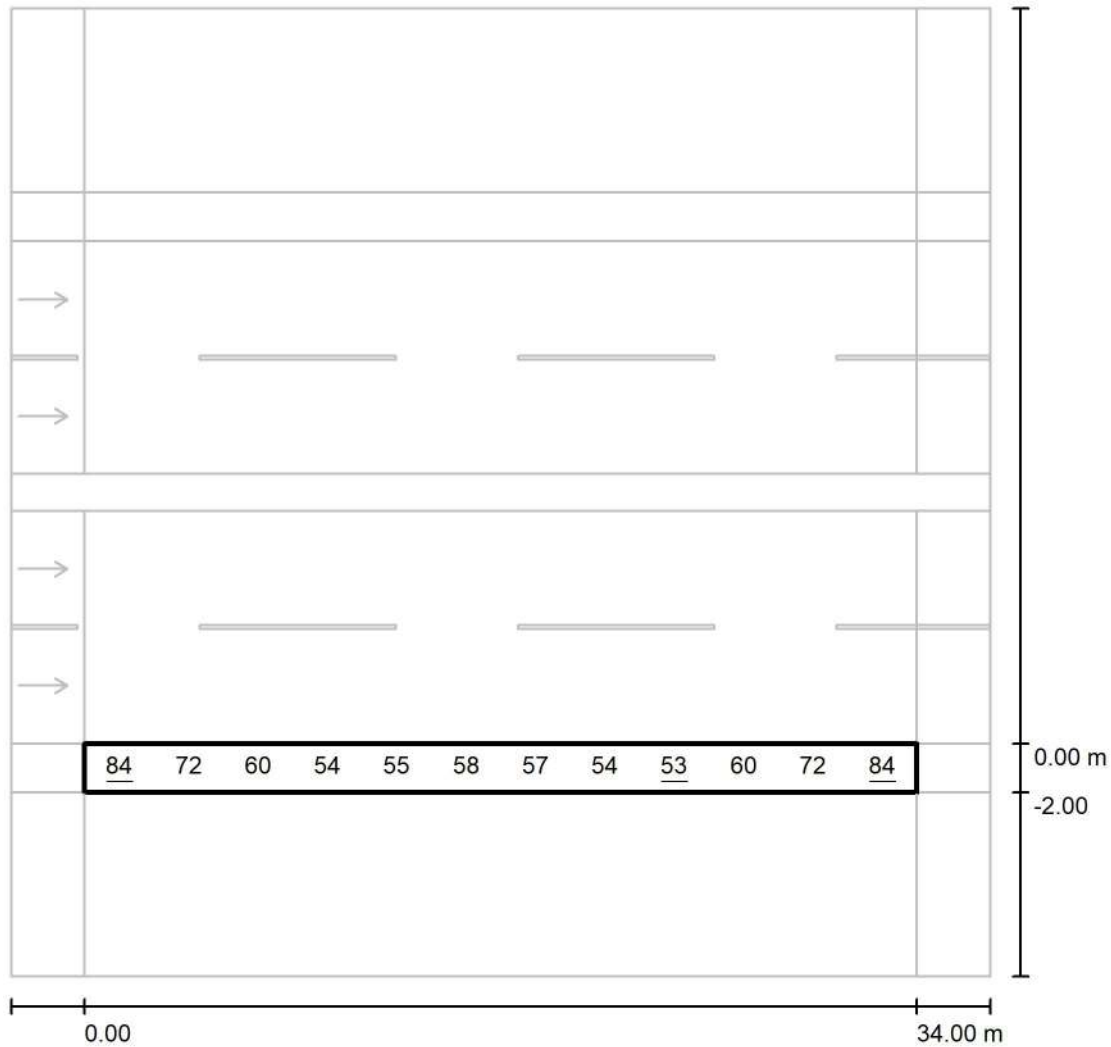
 E_{max} [lx]
 84

 u_0
 0.842

 E_{min} / E_{max}
 0.637

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TYPE-3B / FOOTPATH / Value Chart (E)

Values in Lux, Scale 1 : 309

Not all calculated values could be displayed.

Grid: 12 x 3 Points

 E_{av} [lx]
 64

 E_{min} [lx]
 53

 E_{max} [lx]
 84

 u_0
 0.842

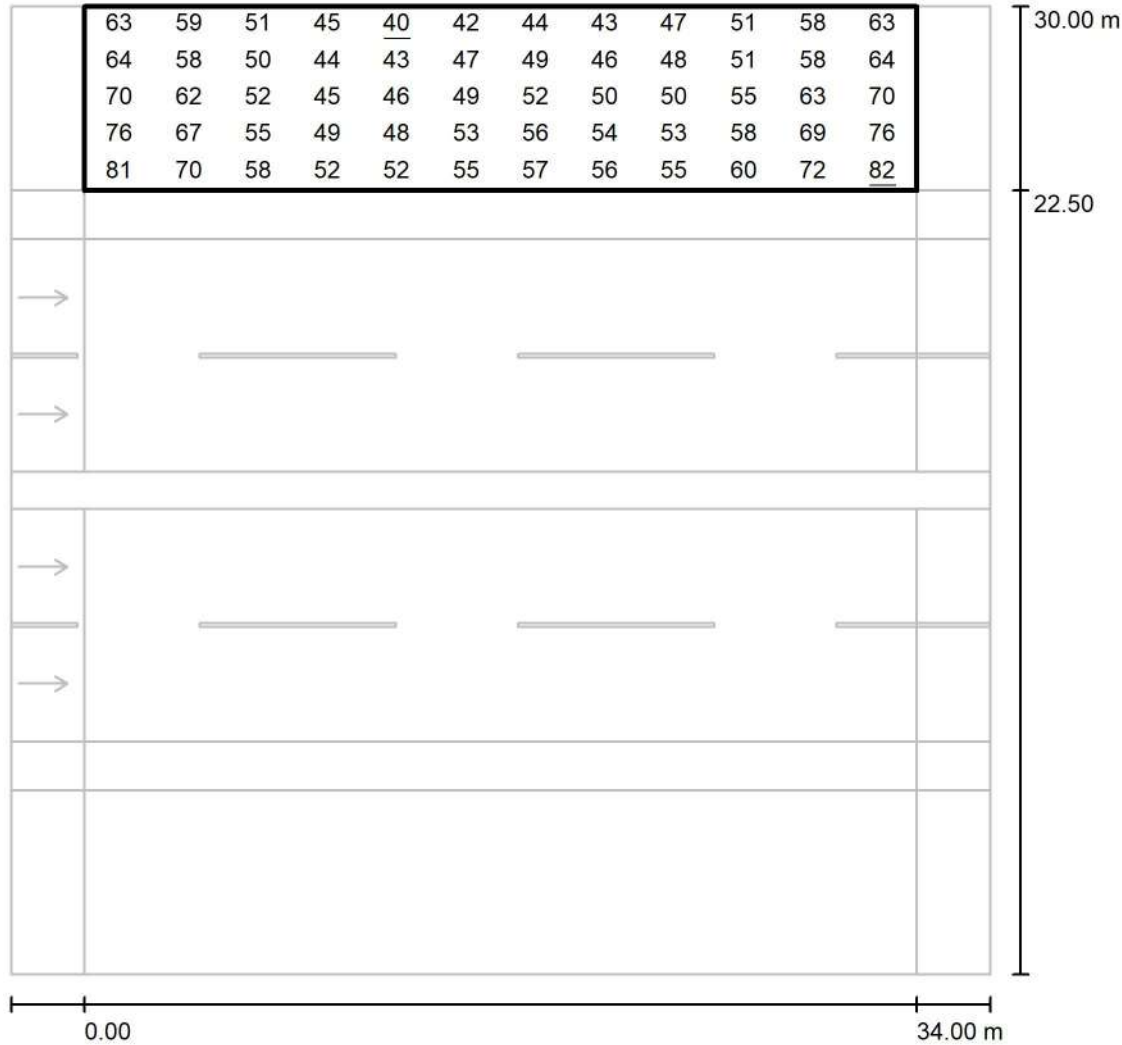
 E_{min} / E_{max}
 0.637



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TYPE-3B / SERVICE ROAD / Value Chart (E)


Values in Lux, Scale 1 : 309

Grid: 12 x 5 Points

 E_{av} [lx]
 56

 E_{min} [lx]
 40

 E_{max} [lx]
 82

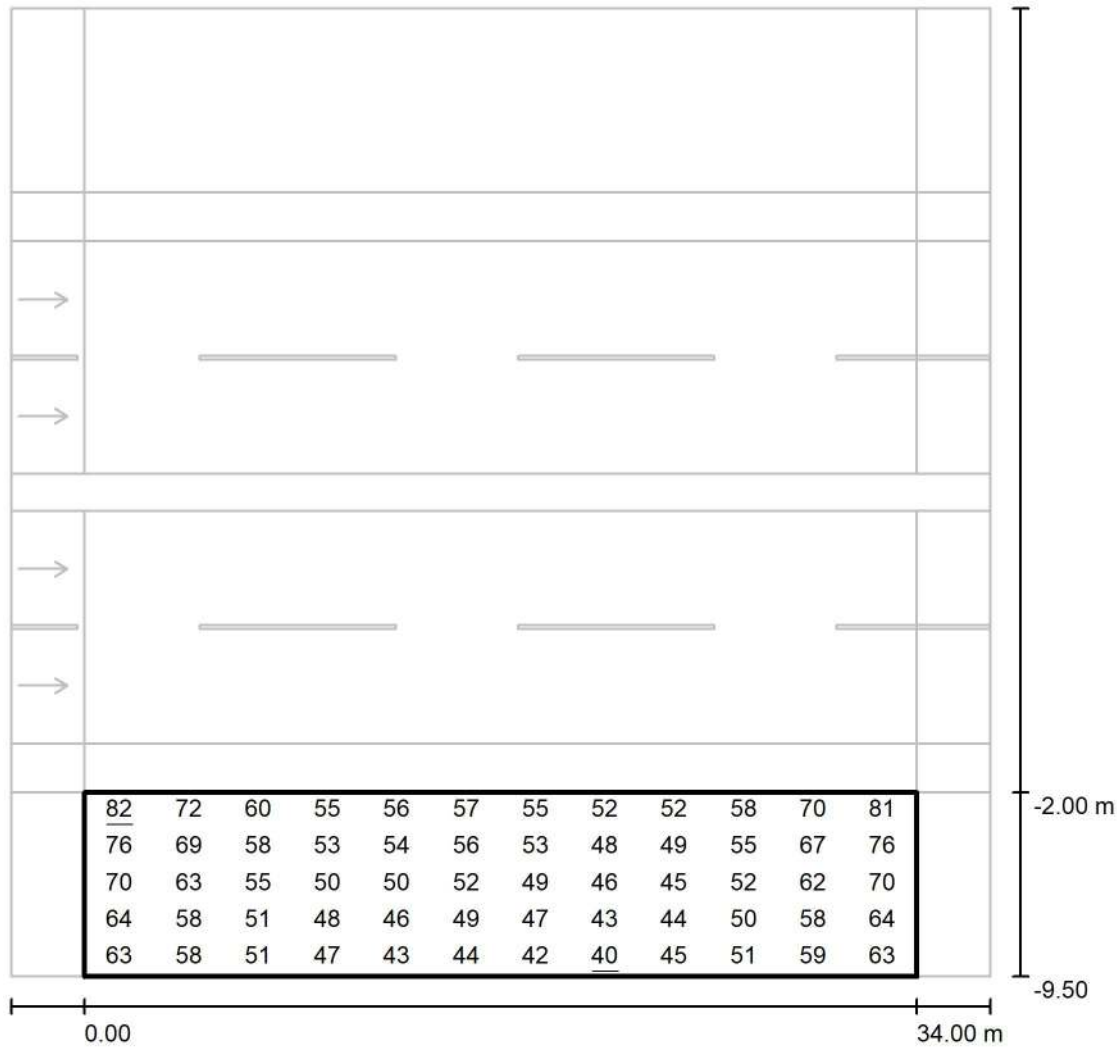
 u_0
 0.706

 E_{min} / E_{max}
 0.482

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TYPE-3B / SERVICE ROAD / Value Chart (E)

Values in Lux, Scale 1 : 309

Grid: 12 x 5 Points

 E_{av} [lx]
56

 E_{min} [lx]
40

 E_{max} [lx]
82

 u_0
0.706

 E_{min} / E_{max}
0.482



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TYPE-6C, 6F FLYOVER / Planning data**Street Profile**

| | |
|---------------|--|
| FOOTPATH | (Width: 2.000 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| CRASH BARRIER | (Width: 0.500 m) |
| Roadway 2 | (Width: 13.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| Median 1 | (Width: 4.000 m, Height: 0.000 m) |
| Roadway 1 | (Width: 13.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| CRASH BARRIER | (Width: 0.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| FOOTPATH | (Width: 2.000 m) |

Light loss factor: 0.85

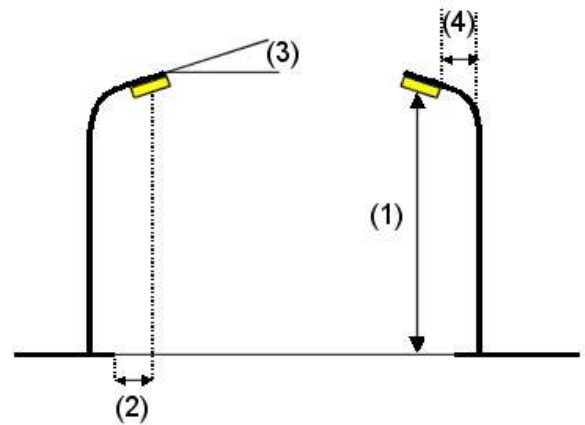
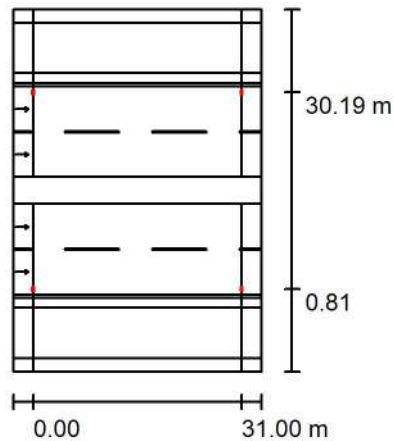
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TYPE-6C, 6F FLYOVER / Planning data

Luminaire Arrangements



Luminaire: HALONIX 300W LED Street Light CWL
 Luminous flux (Luminaire): 36119 lm
 Luminous flux (Lamps): 36122 lm
 Luminaire Wattage: 300.0 W
 Arrangement: Double row, opposing
 Pole Distance: 31.000 m
 Mounting Height (1): 10.500 m
 Height: 10.458 m
 Overhang (2): 0.820 m
 Boom Angle (3): 15.0 °
 Boom Length (4): 2.000 m

Maximum luminous intensities

at 70°: 376 cd/klm
 at 80°: 29 cd/klm
 at 90°: 11 cd/klm

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

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.3.

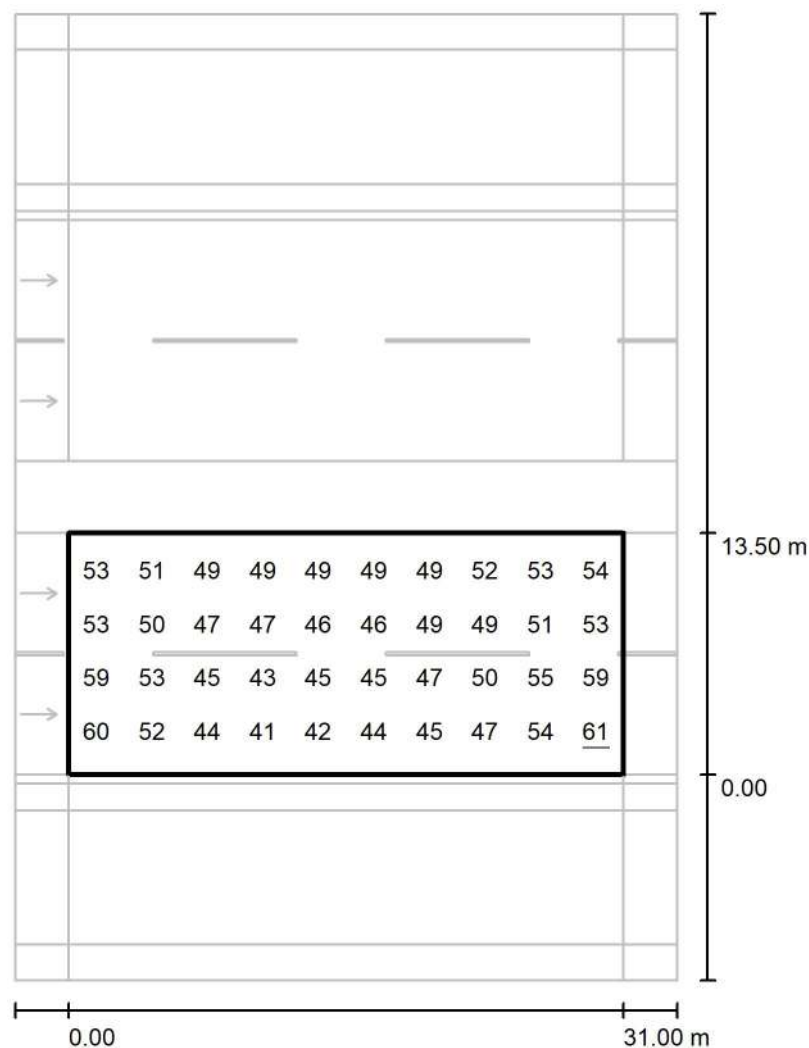


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TYPE-6C, 6F FLYOVER / Valuation Field Roadway 1 / Value Chart (E)



Values in Lux, Scale 1 : 423

Not all calculated values could be displayed.

Grid: 10 x 9 Points

 E_{av} [lx]
49

 E_{min} [lx]
40

 E_{max} [lx]
61

 u_0
0.806

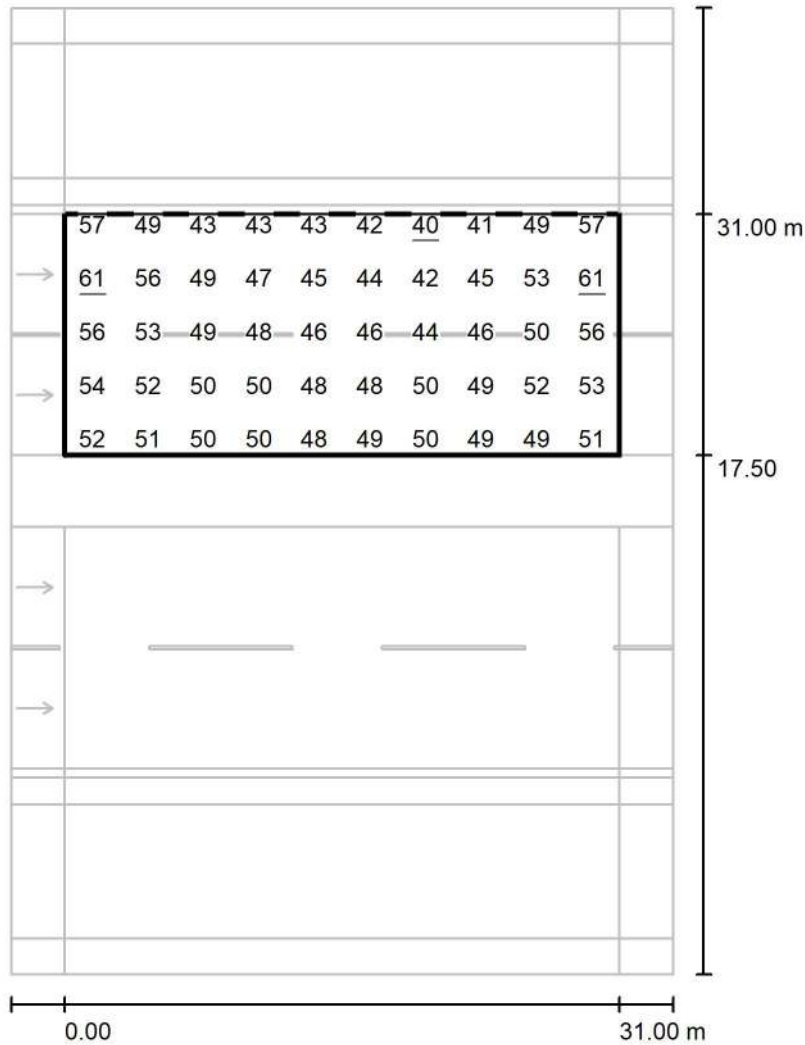
 E_{min} / E_{max}
0.651

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TYPE-6C, 6F FLYOVER / Valuation Field Roadway 2 / Value Chart (E)



Values in Lux, Scale 1 : 423

Not all calculated values could be displayed.

Grid: 10 x 9 Points

| | | | | |
|---------------|----------------|----------------|-------|---------------------|
| E_{av} [lx] | E_{min} [lx] | E_{max} [lx] | $u0$ | E_{min} / E_{max} |
| 49 | 40 | 61 | 0.806 | 0.651 |



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TYPE-6C, 6F ,6G SERVICE ROAD / Planning data**Street Profile**

| | |
|---------------|--|
| FOOTPATH | (Width: 2.000 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| CRASH BARRIER | (Width: 0.500 m) |
| Roadway 2 | (Width: 13.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| Median 1 | (Width: 4.000 m, Height: 0.000 m) |
| Roadway 1 | (Width: 13.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| CRASH BARRIER | (Width: 0.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| FOOTPATH | (Width: 2.000 m) |

Light loss factor: 0.85

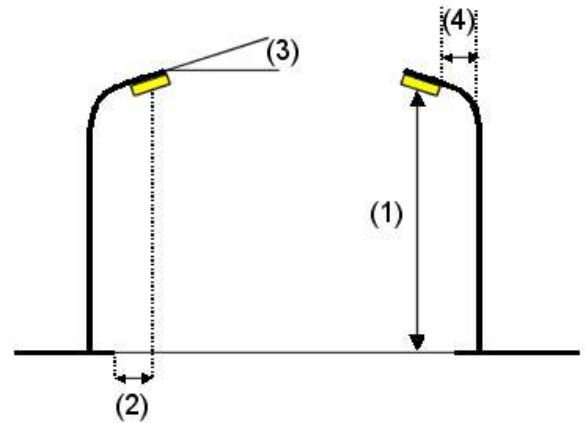
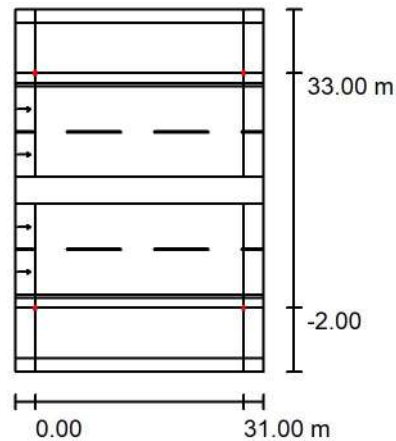
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TYPE-6C, 6F ,6G SERVICE ROAD / Planning data

Luminaire Arrangements



Luminaire: HALONIX 300W LED Street Light CWL
 Luminous flux (Luminaire): 36119 lm
 Luminous flux (Lamps): 36122 lm
 Luminaire Wattage: 300.0 W
 Arrangement: Double row, opposing
 Pole Distance: 31.000 m
 Mounting Height (1): 10.500 m
 Height: 10.457 m
 Overhang (2): -2.000 m
 Boom Angle (3): 0.0 °
 Boom Length (4): 2.000 m

Maximum luminous intensities

at 70°: 302 cd/klm
 at 80°: 17 cd/klm
 at 90°: 1.38 cd/klm

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

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.5.

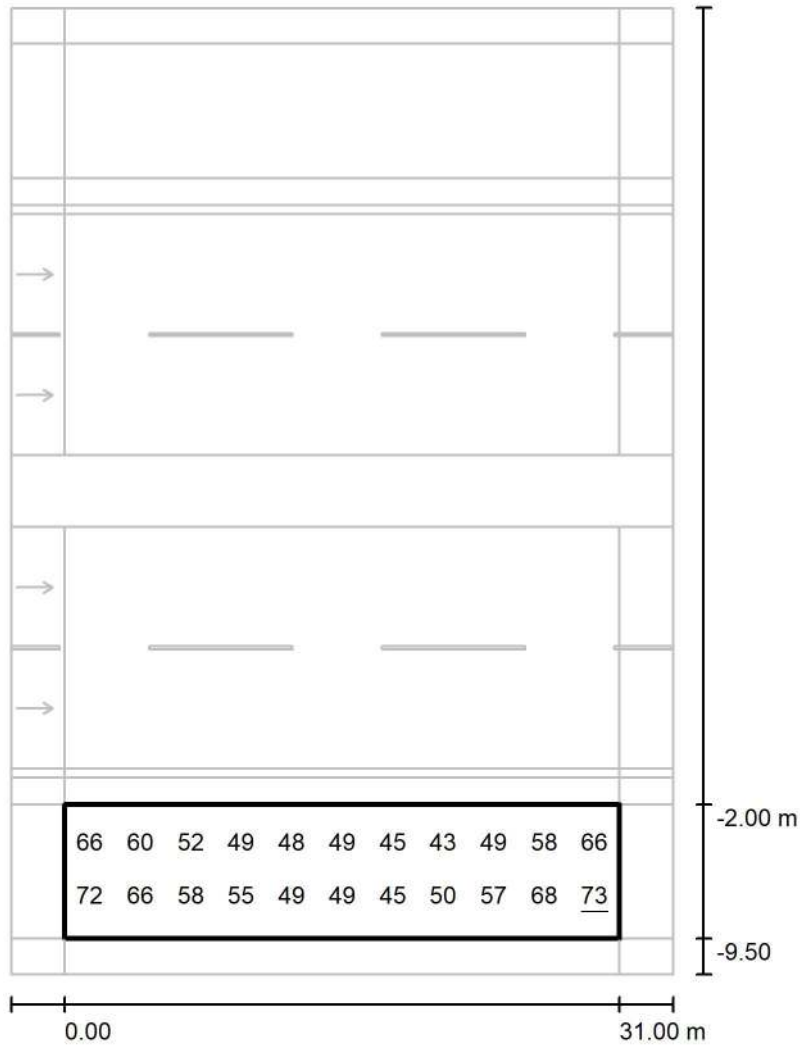


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TYPE-6C, 6F ,6G SERVICE ROAD / SERVICE ROAD / Value Chart (E)



Values in Lux, Scale 1 : 423

Not all calculated values could be displayed.

Grid: 11 x 5 Points

 E_{av} [lx]
 55

 E_{min} [lx]
 42

 E_{max} [lx]
 73

 u_0
 0.763

 E_{min} / E_{max}
 0.573

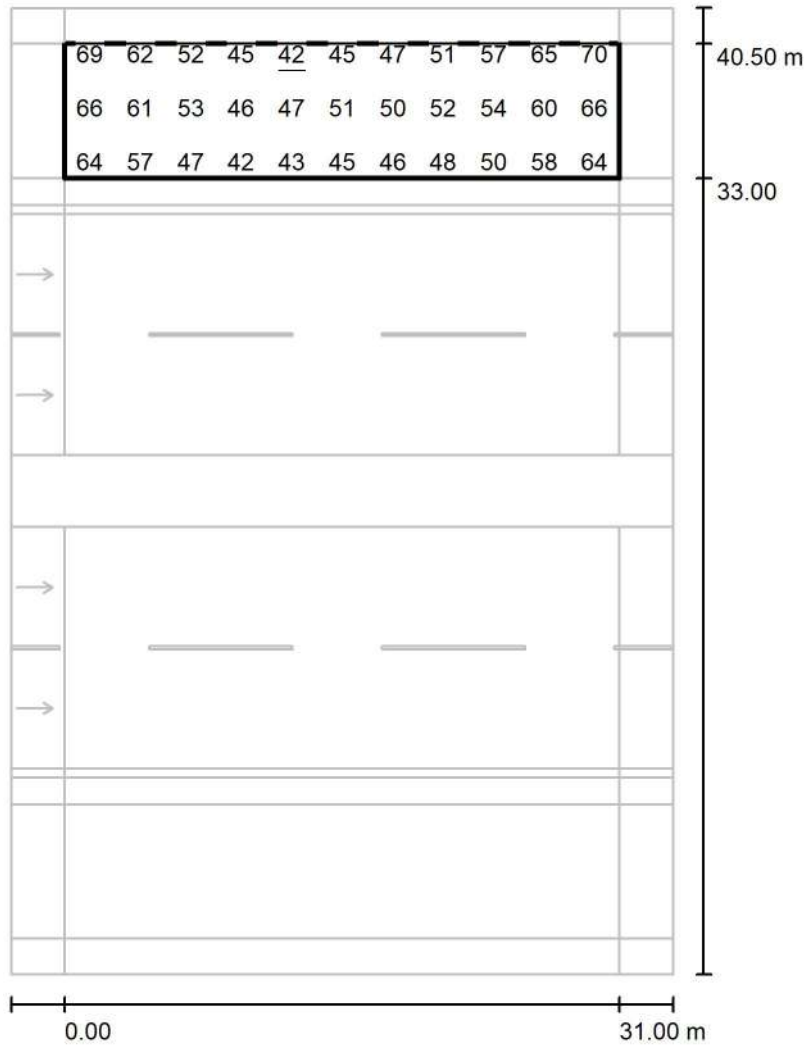


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TYPE-6C, 6F ,6G SERVICE ROAD / SERVICE ROAD / Value Chart (E)



Not all calculated values could be displayed.

Values in Lux, Scale 1 : 423

Grid: 11 x 5 Points

 E_{av} [lx]
 55

 E_{min} [lx]
 42

 E_{max} [lx]
 73

 u_0
 0.763

 E_{min} / E_{max}
 0.573

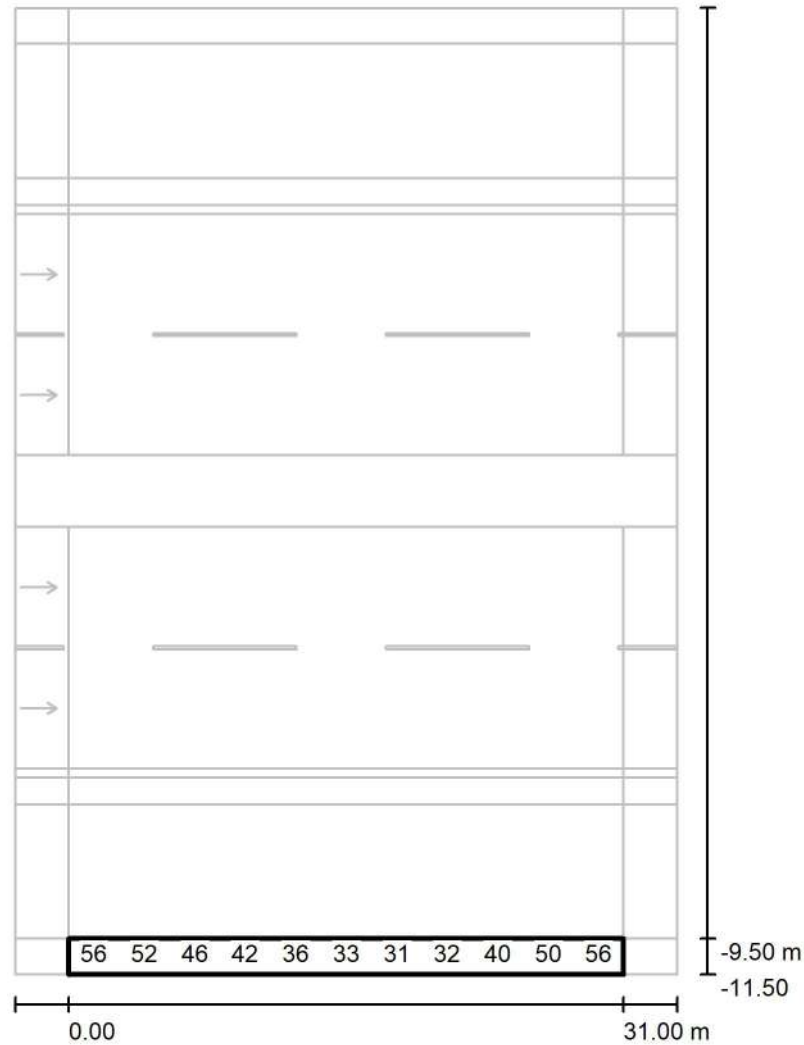


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TYPE-6C, 6F ,6G SERVICE ROAD / FOOTPATH / Value Chart (E)



Values in Lux, Scale 1 : 423

Not all calculated values could be displayed.

Grid: 11 x 3 Points

 E_{av} [lx]
 43

 E_{min} [lx]
 26

 E_{max} [lx]
 62

 u_0
 0.613

 E_{min} / E_{max}
 0.426

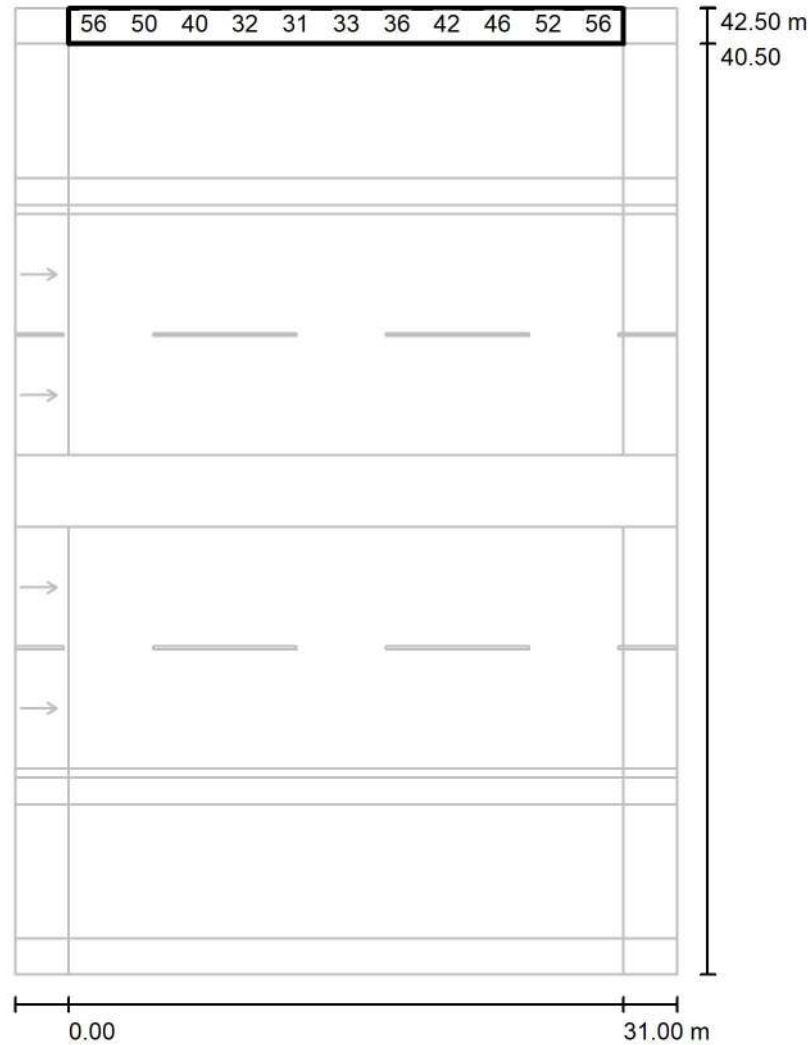


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TYPE-6C, 6F ,6G SERVICE ROAD / FOOTPATH / Value Chart (E)



Values in Lux, Scale 1 : 423

Not all calculated values could be displayed.

Grid: 11 x 3 Points

| E_{av} [lx] | E_{min} [lx] | E_{max} [lx] | u_0 | E_{min} / E_{max} |
|---------------|----------------|----------------|-------|---------------------|
| 43 | 26 | 62 | 0.613 | 0.426 |



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TYPE-8A, 8B FLYOVER / Planning data**Street Profile**

| | |
|----------------------|--|
| FOOTPATH | (Width: 2.000 m) |
| PROPOSED CARRIAGEWAY | (Width: 9.000 m) |
| SEPERATOR | (Width: 1.200 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| CRASH BARRIER | (Width: 0.500 m) |
| Roadway 2 | (Width: 13.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| CRASH BARRIER | (Width: 0.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| FOOTPATH | (Width: 2.000 m) |

Light loss factor: 0.85

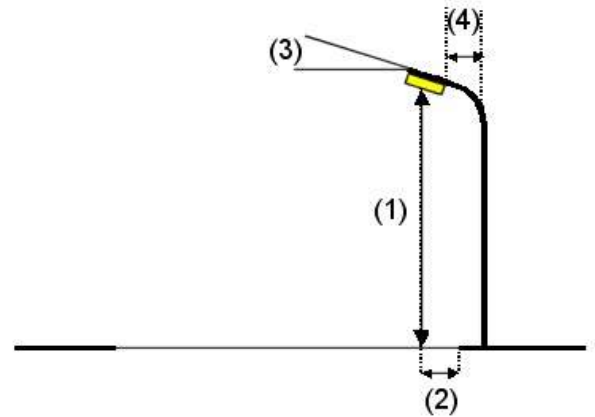
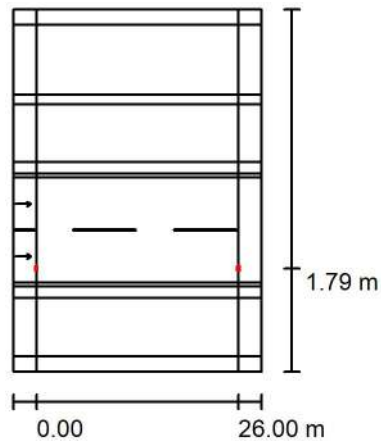
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TYPE-8A, 8B FLYOVER / Planning data

Luminaire Arrangements



Luminaire:
 Luminous flux (Luminaire): 33108 lm
 Luminous flux (Lamps): 33110 lm
 Luminaire Wattage: 250.0 W
 Arrangement: Single row, bottom
 Pole Distance: 26.000 m
 Mounting Height (1): 10.500 m
 Height: 10.458 m
 Overhang (2): 1.800 m
 Boom Angle (3): 15.0 °
 Boom Length (4): 2.000 m

HALONIX 250W LED Street Light CWL

Maximum luminous intensities
 at 70°: 376 cd/klm
 at 80°: 29 cd/klm
 at 90°: 11 cd/klm

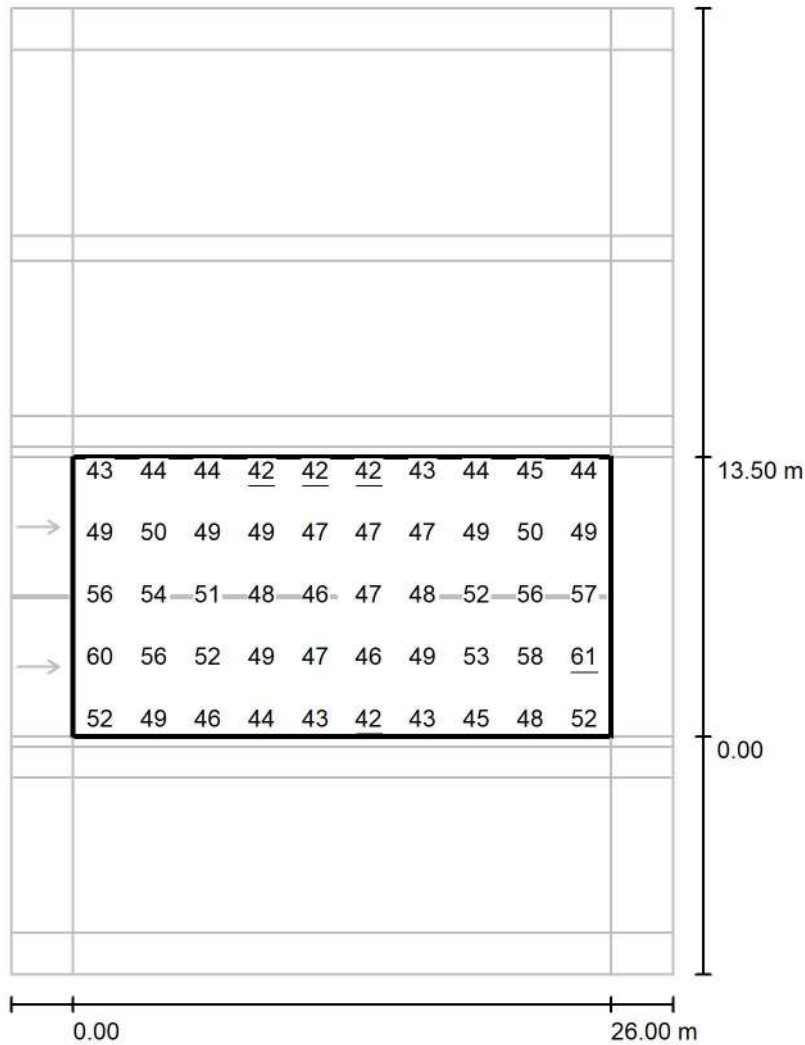
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.4.

Halonix Technologies Private Limited

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TYPE-8A, 8B FLYOVER / Valuation Field Roadway 2 / Value Chart (E)


Values in Lux, Scale 1 : 366

Not all calculated values could be displayed.

Grid: 10 x 9 Points

 E_{av} [lx]
 49

 E_{min} [lx]
 42

 E_{max} [lx]
 61

 u_0
 0.846

 E_{min} / E_{max}
 0.687



Halonix Technologies Private Limited

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TYPE-8A, 8B ,SEFVICE ROAD / Planning data**Street Profile**

| | |
|----------------------|--|
| FOOTPATH | (Width: 2.000 m) |
| PROPOSED CARRIAGEWAY | (Width: 9.000 m) |
| SEPERATOR | (Width: 1.200 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| CRASH BARRIER | (Width: 0.500 m) |
| Roadway 2 | (Width: 13.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| CRASH BARRIER | (Width: 0.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| FOOTPATH | (Width: 2.000 m) |

Light loss factor: 0.85

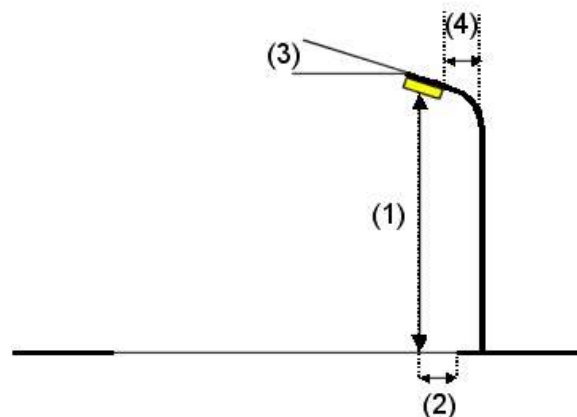
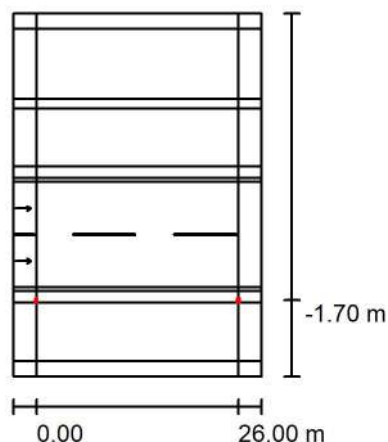
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TYPE-8A, 8B ,SEFVICE ROAD / Planning data

Luminaire Arrangements

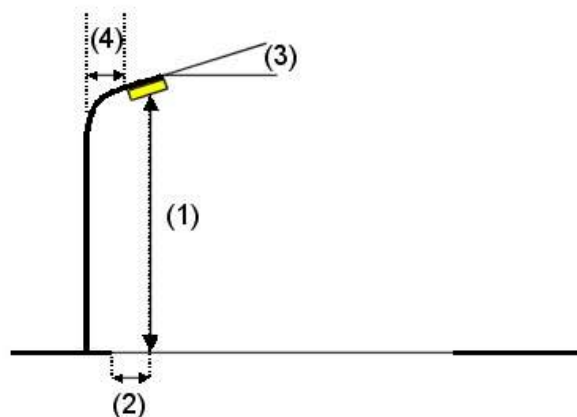
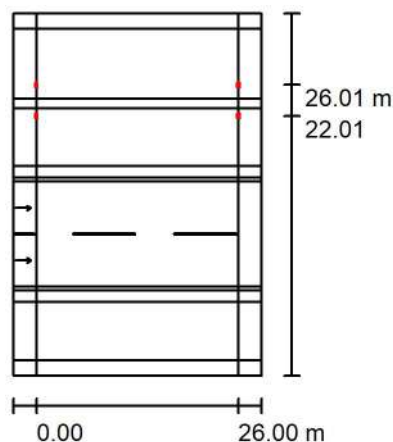


Luminaire: HALONIX 210W LED Street Light CWL
 Luminous flux (Luminaire): 25230 lm
 Luminous flux (Lamps): 25232 lm
 Luminaire Wattage: 210.0 W
 Arrangement: Single row, bottom
 Pole Distance: 26.000 m
 Mounting Height (1): 10.500 m
 Height: 10.457 m
 Overhang (2): -1.700 m
 Boom Angle (3): 0.0 °
 Boom Length (4): 2.000 m

Maximum luminous intensities
 at 70°: 302 cd/klm
 at 80°: 17 cd/klm
 at 90°: 1.38 cd/klm

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

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.6.



Luminaire: HALONIX 210W LED Street Light CWL
 Luminous flux (Luminaire): 25230 lm
 Luminous flux (Lamps): 25232 lm
 Luminaire Wattage: 210.0 W
 Arrangement: Single row, top
 Pole Distance: 26.000 m
 Mounting Height (1): 10.500 m
 Height: 10.458 m
 Overhang (2): -8.500 m
 Boom Angle (3): 10.0 °
 Boom Length (4): 2.000 m

Maximum luminous intensities
 at 70°: 232 cd/klm
 at 80°: 21 cd/klm
 at 90°: 7.06 cd/klm

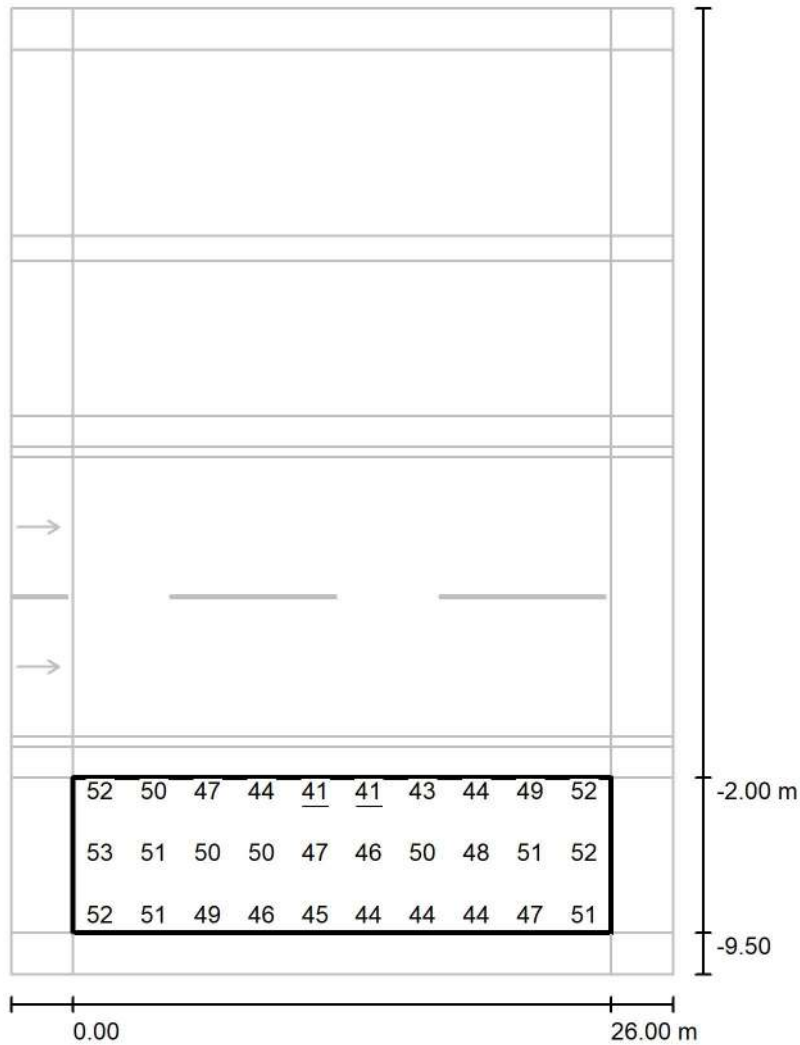
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.4.

Halonix Technologies Private Limited

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TYPE-8A, 8B ,SEFVICE ROAD / SERVICE ROAD / Value Chart (E)


Values in Lux, Scale 1 : 366

Not all calculated values could be displayed.

Grid: 10 x 5 Points

 E_{av} [lx]
 49

 E_{min} [lx]
 41

 E_{max} [lx]
 57

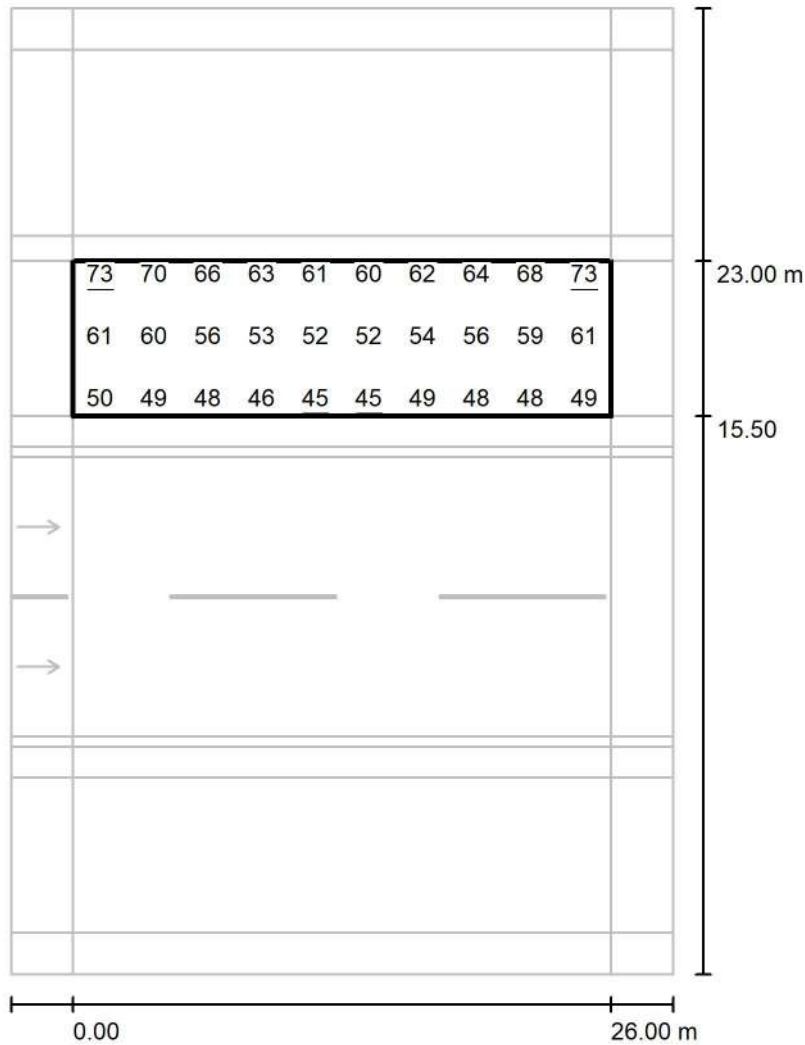
 u_0
 0.846

 E_{min} / E_{max}
 0.723

Halonix Technologies Private Limited

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TYPE-8A, 8B ,SEFVICE ROAD / SERVICE ROAD / Value Chart (E)


Not all calculated values could be displayed.

Values in Lux, Scale 1 : 366

Grid: 10 x 5 Points

 E_{av} [lx]
 57

 E_{min} [lx]
 45

 E_{max} [lx]
 73

 u_0
 0.791

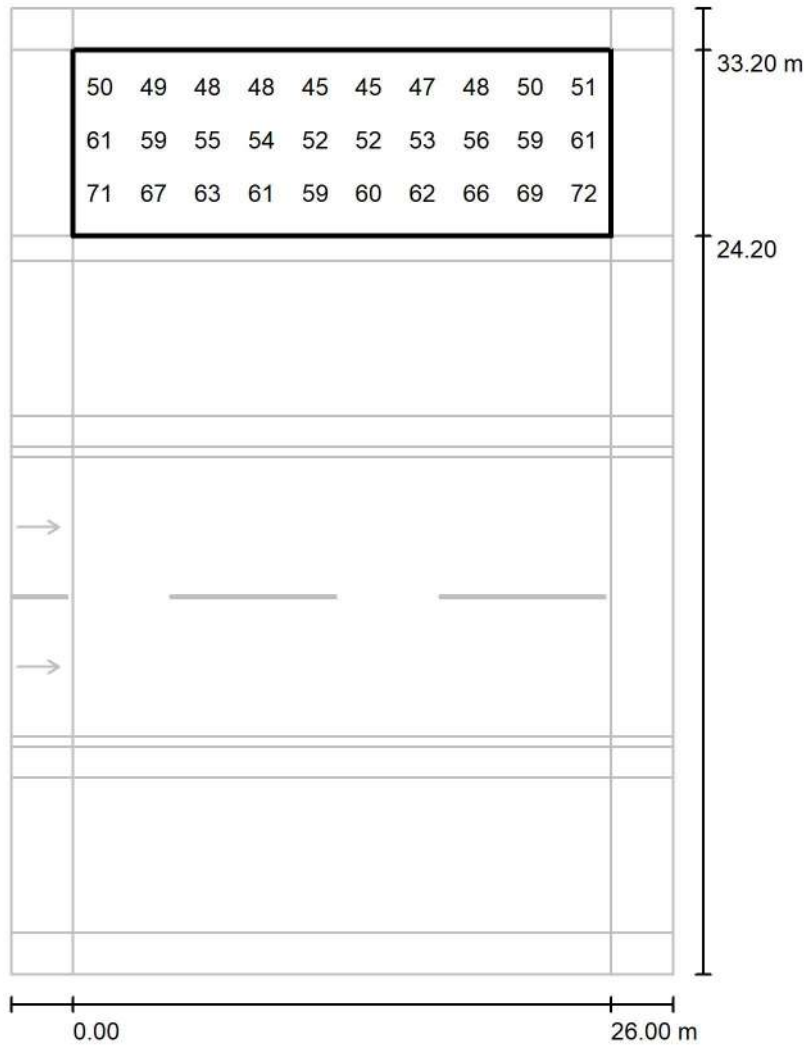
 E_{min} / E_{max}
 0.611



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TYPE-8A, 8B ,SEFVICE ROAD / PROPOSED CARRIAGEWAY / Value Chart (E)


Values in Lux, Scale 1 : 366

Not all calculated values could be displayed.

Grid: 10 x 7 Points

 E_{av} [lx]
 56

 E_{min} [lx]
 42

 E_{max} [lx]
 76

 u_0
 0.749

 E_{min} / E_{max}
 0.557

Halonix Technologies Private Limited

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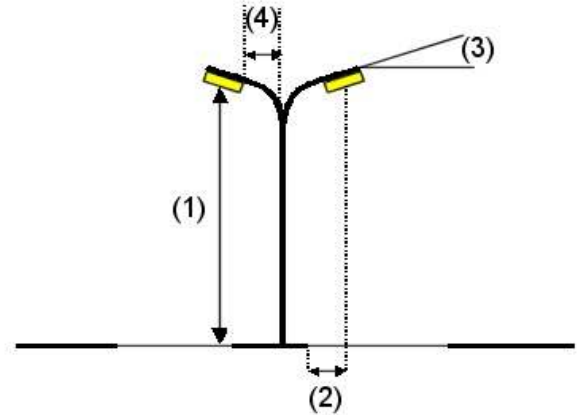
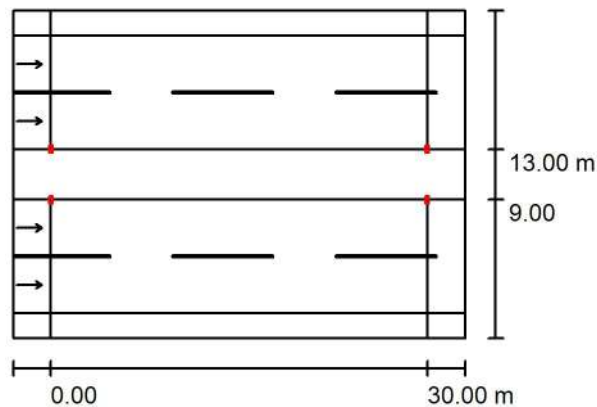
TYPE-1A F1 126L/W / Planning data

Street Profile

ES (Width: 2.000 m)
 Roadway 2 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
 Median 1 (Width: 4.000 m, Height: 0.000 m)
 Roadway 1 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
 ES (Width: 2.000 m)

Light loss factor: 0.85

Luminaire Arrangements



Luminaire:
 Luminous flux (Luminaire): 31698 lm
 Luminous flux (Lamps): 31700 lm
 Luminaire Wattage: 250.0 W
 Arrangement: on Median
 Pole Distance: 30.000 m
 Mounting Height (1): 9.500 m
 Height: 9.458 m
 Overhang (2): 0.013 m
 Boom Angle (3): 15.0 °
 Boom Length (4): 2.000 m

HALONIX 250W LED Street Light CWL

Maximum luminous intensities
 at 70°: 376 cd/klm
 at 80°: 29 cd/klm
 at 90°: 11 cd/klm

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

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.4.

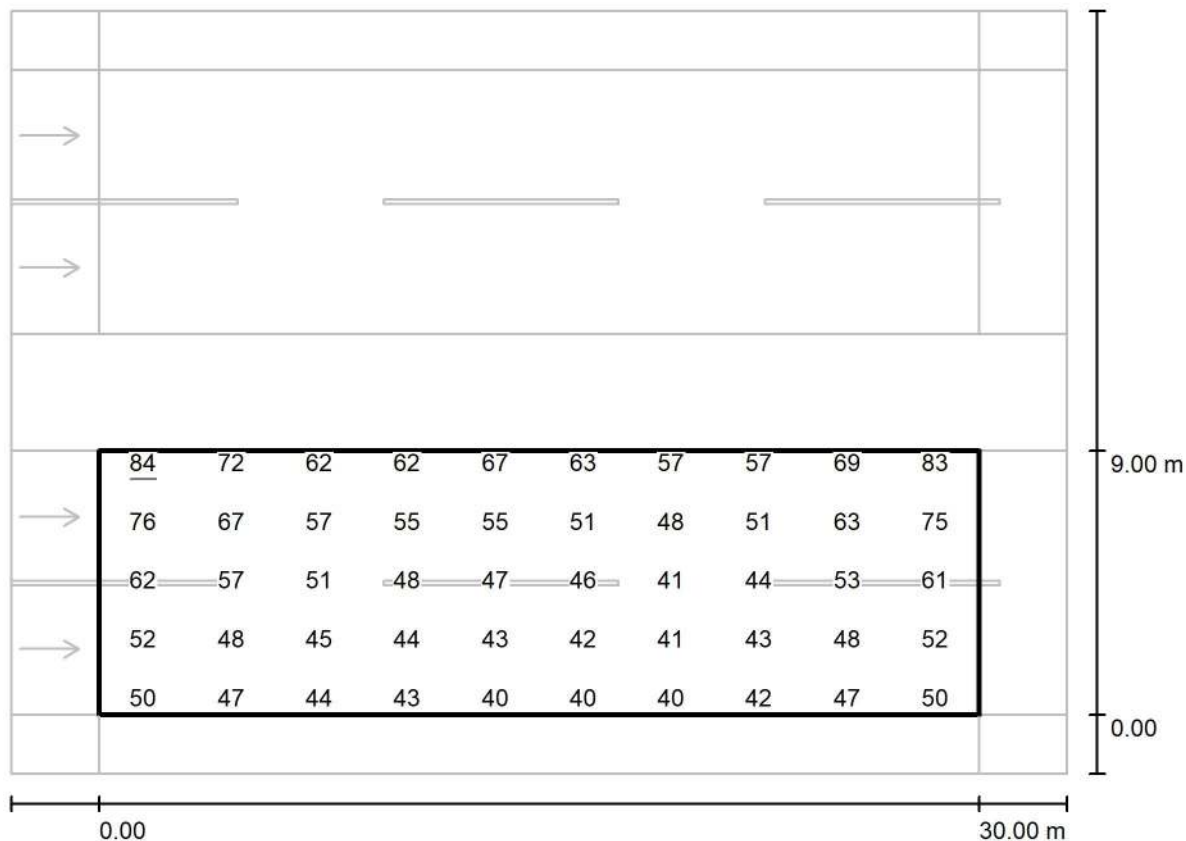


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TYPE-1A F1 126L/W / Valuation Field Roadway 1 / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 9 Points

 E_{av} [lx]
53

 E_{min} [lx]
40

 E_{max} [lx]
84

 $u0$
0.741

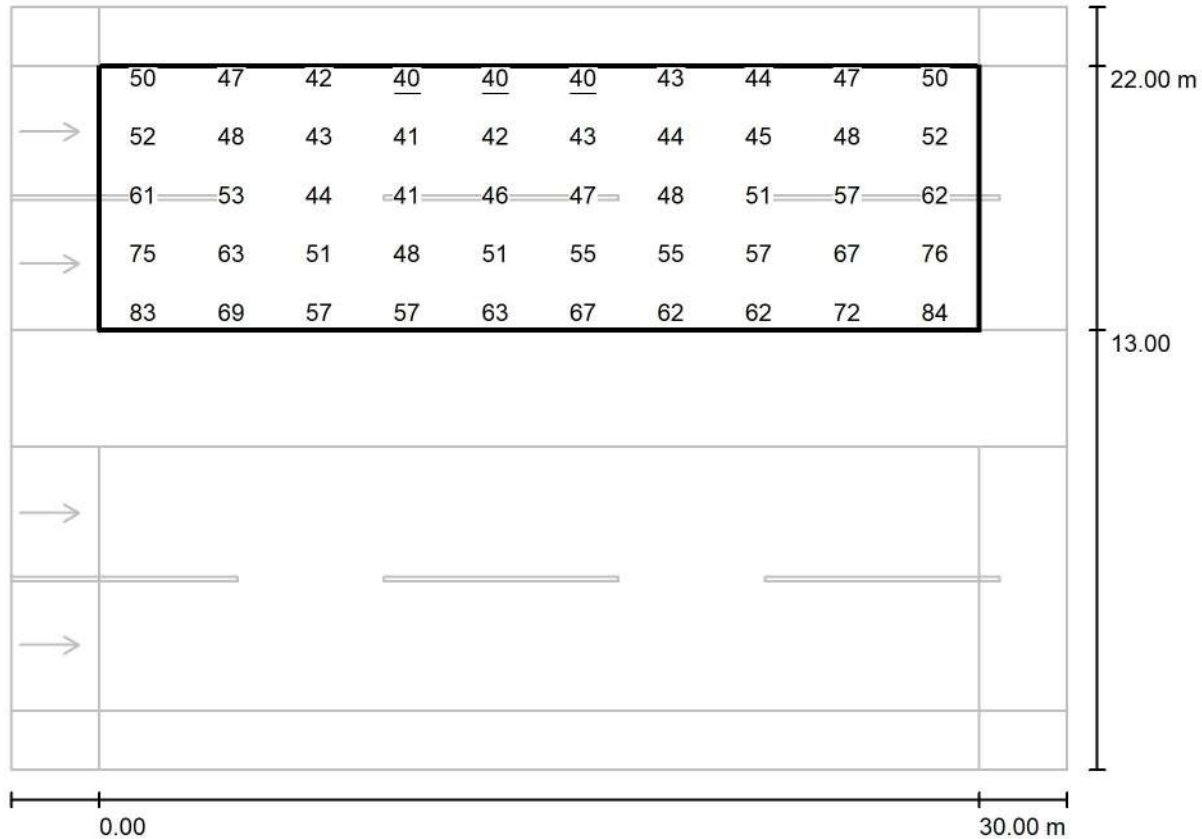
 E_{min} / E_{max}
0.472



Halonix Technologies Private Limited

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TYPE-1A F1 126L/W / Valuation Field Roadway 2 / Value Chart (E)


Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 9 Points

 E_{av} [lx]
 53

 E_{min} [lx]
 40

 E_{max} [lx]
 84

 $u0$
 0.741

 E_{min} / E_{max}
 0.472

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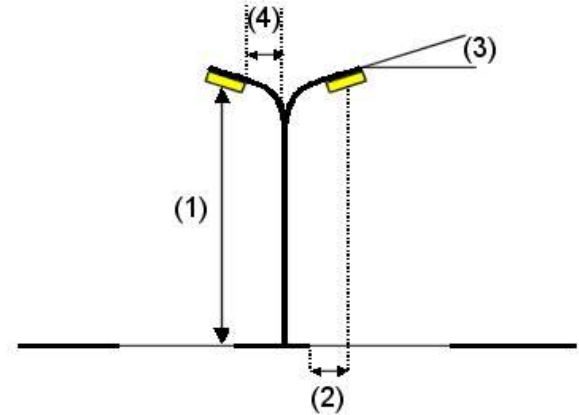
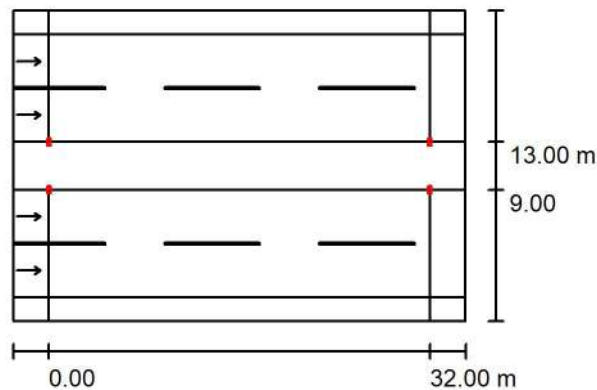
TYPE-1A F2 32m 120L/W / Planning data

Street Profile

ES (Width: 2.000 m)
 Roadway 2 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
 Median 1 (Width: 4.000 m, Height: 0.000 m)
 Roadway 1 (Width: 9.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
 ES (Width: 2.000 m)

Light loss factor: 0.85

Luminaire Arrangements



Luminaire:
 Luminous flux (Luminaire): 36119 lm
 Luminous flux (Lamps): 36122 lm
 Luminaire Wattage: 300.0 W
 Arrangement: on Median
 Pole Distance: 32.000 m
 Mounting Height (1): 9.500 m
 Height: 9.458 m
 Overhang (2): 0.013 m
 Boom Angle (3): 15.0°
 Boom Length (4): 2.000 m

HALONIX 300W LED Street Light CWL

Maximum luminous intensities
 at 70°: 376 cd/klm
 at 80°: 29 cd/klm
 at 90°: 11 cd/klm

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

Arrangement complies with luminous intensity class G3.
 Arrangement complies with glare index class D.3.

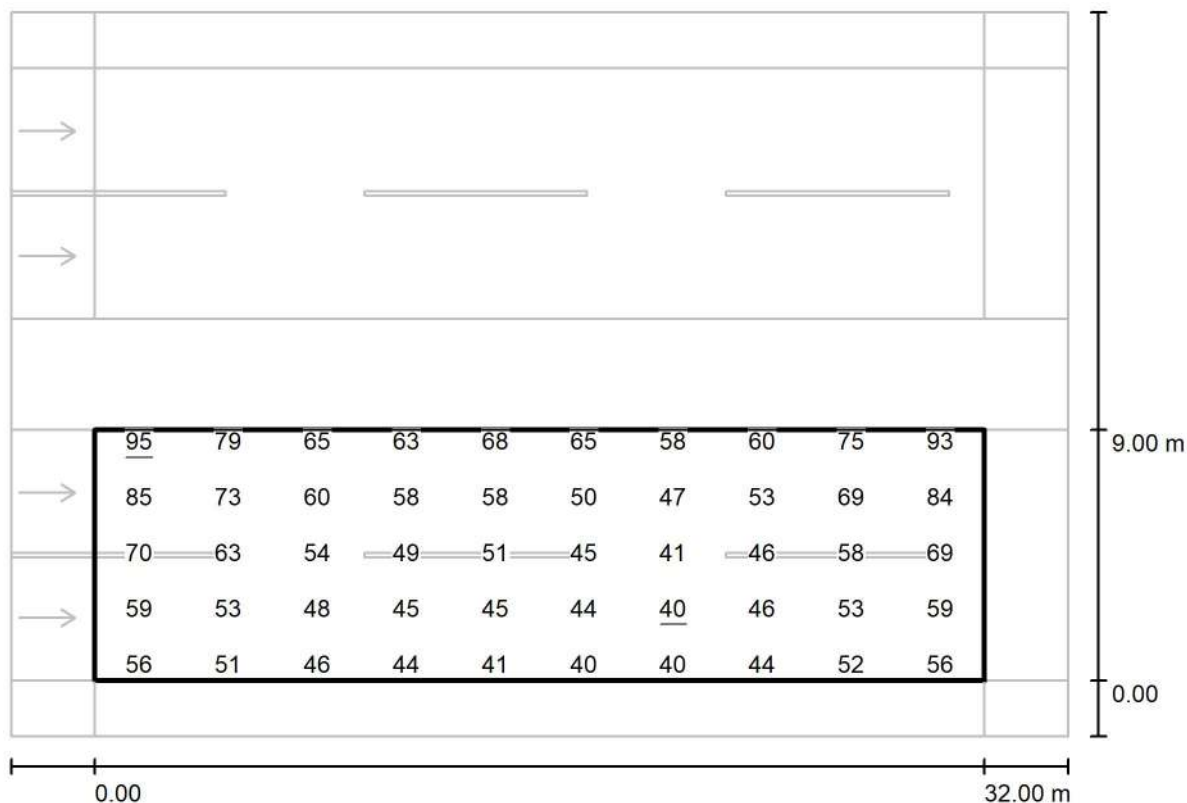


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TYPE-1A F2 32m 120L/W / Valuation Field Roadway 1 / Value Chart (E)



Values in Lux, Scale 1 : 272

Not all calculated values could be displayed.

Grid: 10 x 9 Points

 E_{av} [lx]
57

 E_{min} [lx]
40

 E_{max} [lx]
95

 u_0
0.697

 E_{min} / E_{max}
0.421

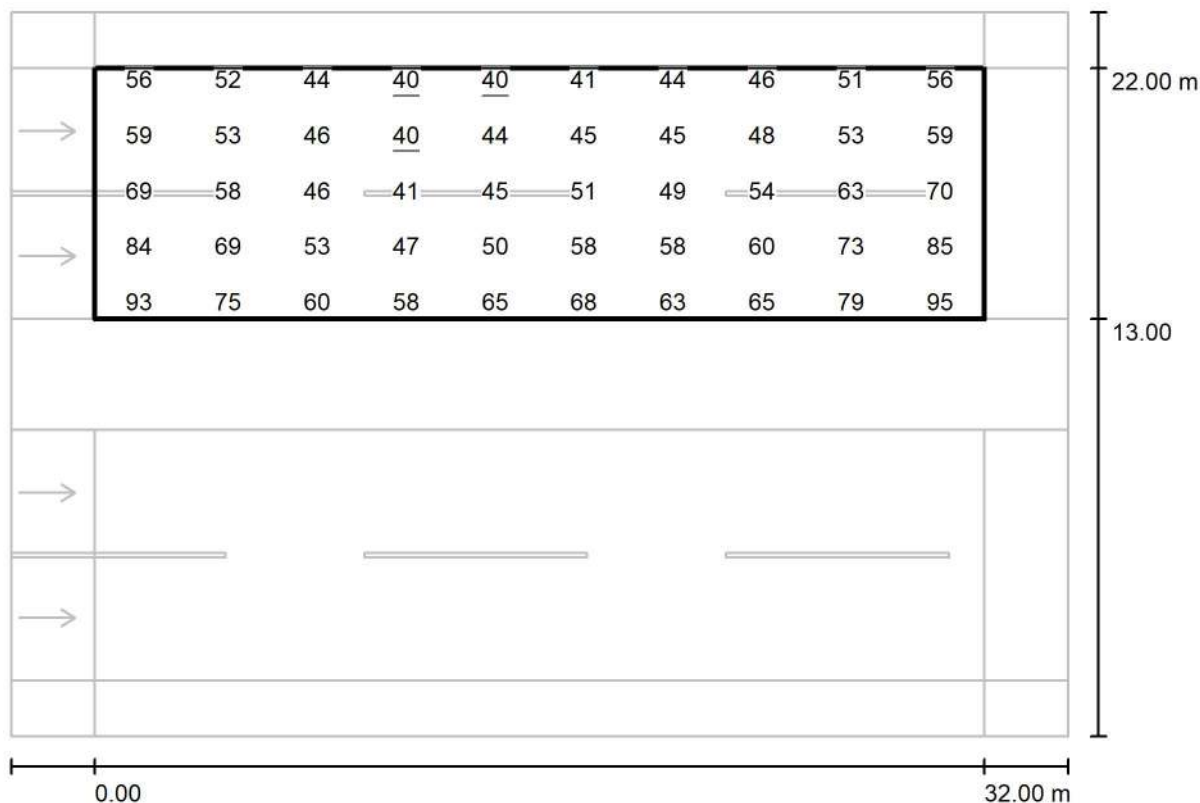


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TYPE-1A F2 32m 120L/W / Valuation Field Roadway 2 / Value Chart (E)



Not all calculated values could be displayed.

Values in Lux, Scale 1 : 272

Grid: 10 x 9 Points

 E_{av} [lx]
57

 E_{min} [lx]
40

 E_{max} [lx]
95

 u_0
0.697

 E_{min} / E_{max}
0.421



Halonix Technologies Private Limited

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TYPE-6G FLYOVER / Planning data**Street Profile**

| | |
|----------------------|--|
| FOOTPATH | (Width: 2.000 m) |
| PROPOSED CARRIAGEWAY | (Width: 9.000 m) |
| SEPERATOR | (Width: 1.200 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| CRASH BARRIER | (Width: 0.500 m) |
| Roadway 2 | (Width: 13.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070) |
| CRASH BARRIER | (Width: 0.500 m) |
| SEPERATOR | (Width: 1.500 m) |
| SERVICE ROAD | (Width: 7.500 m) |
| FOOTPATH | (Width: 2.000 m) |

Light loss factor: 0.85

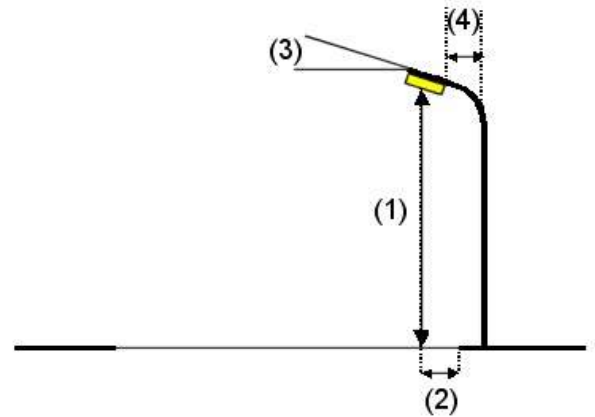
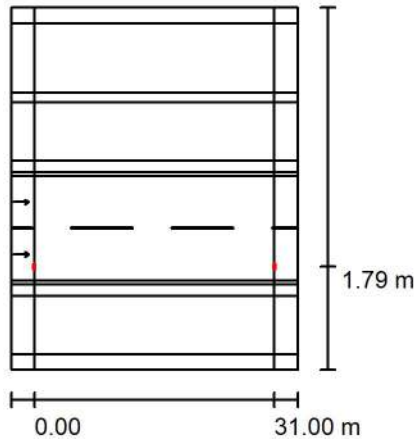
Halonix Technologies Private Limited

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TYPE-6G FLYOVER / Planning data

Luminaire Arrangements



Luminaire:
 Luminous flux (Luminaire):
 Luminous flux (Lamps):
 Luminaire Wattage:
 Arrangement:
 Pole Distance:
 Mounting Height (1):
 Height:
 Overhang (2):
 Boom Angle (3):
 Boom Length (4):

HALONIX 300W LED Street Light CWL

36097 lm

36100 lm

300.0 W

Single row, bottom

31.000 m

10.500 m

10.458 m

1.800 m

15.0 °

2.000 m

Maximum luminous intensities

at 70°: 376 cd/klm

at 80°: 29 cd/klm

at 90°: 11 cd/klm

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

Arrangement complies with luminous intensity class G3.

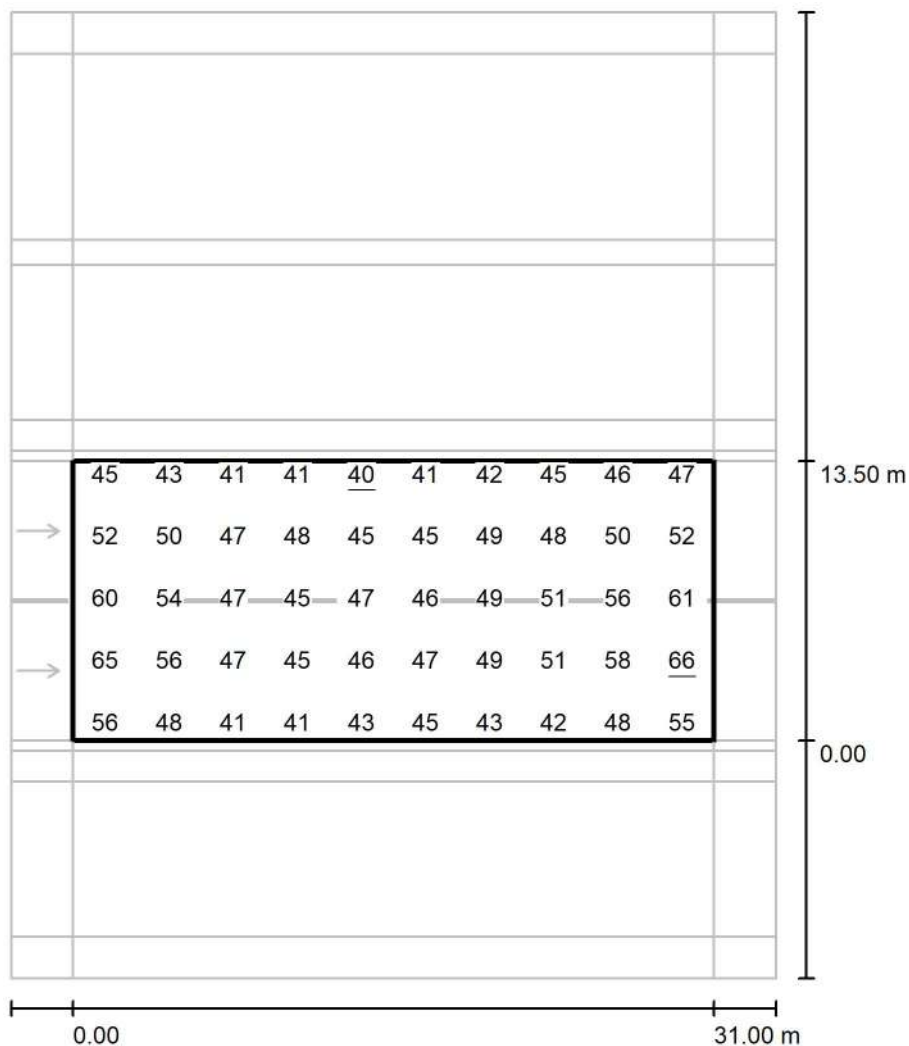
Arrangement complies with glare index class D.3.

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TYPE-6G FLYOVER / Valuation Field Roadway 2 / Value Chart (E)



Values in Lux, Scale 1 : 366

Not all calculated values could be displayed.

Grid: 10 x 9 Points

 E_{av} [lx]
49

 E_{min} [lx]
40

 E_{max} [lx]
66

 u_0
0.818

 E_{min} / E_{max}
0.616