

Nagpur smart city-Street light enquiry

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

Date: 24.09.2019
Operator: MADAN HEGDE

Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

Table of contents

Nagpur smart city-Street light enquiry

Project Cover	1
Table of contents	2
12M ROAD-TCS 4A	
Planning data	4
3D Rendering	5
False Color Rendering	6
Valuation Fields	
Valuation Field Roadway 1	
Value Chart (E)	7
FOOTPATH LEFT SIDE	
Value Chart (E)	8
FOOTPATH RIGHT SIDE	
Value Chart (E)	9
9M ROAD-TCS 5A	
Planning data	10
3D Rendering	11
False Color Rendering	12
Valuation Fields	
Valuation Field Roadway 1	
Value Chart (E)	13
FOOTPATH LEFT SIDE	
Value Chart (E)	14
FOOTPATH RIGHT SIDE	
Value Chart (E)	15
18M ROAD-TCS 3A	
Planning data	16
3D Rendering	17
False Color Rendering	18
Valuation Fields	
Valuation Field Roadway 1	
Value Chart (E)	19
FOOTPATH LEFT SIDE	
Value Chart (E)	20
FOOTPATH RIGHT SIDE	
Value Chart (E)	21
CYCLE TRACK LEFT SIDE	
Value Chart (E)	22
CYCLE TRACK RIGHT SIDE	
Value Chart (E)	23
24M ROAD-TCS 2A	
Planning data	24
3D Rendering	26
False Color Rendering	27
Valuation Fields	
Valuation Field Roadway 1	
Value Chart (E)	28
FOOTPATH LEFT SIDE	
Value Chart (E)	29
FOOTPATH RIGHT SIDE	
Value Chart (E)	30
CYCLE TRACK LEFT SIDE	
Value Chart (E)	31
CYCLE TRACK RIGHT SIDE	

Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

 Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

Table of contents

Value Chart (E)	32
Valuation Field Roadway 2	
Value Chart (E)	33
30M ROAD	
Planning data	34
3D Rendering	36
False Color Rendering	37
Valuation Fields	
Valuation Field Roadway 1	
Value Chart (E)	38
FOOTPATH LEFT SIDE	
Value Chart (E)	39
FOOTPATH RIGHT SIDE	
Value Chart (E)	40
CYCLE TRACK LEFT SIDE	
Value Chart (E)	41
CYCLE TRACK RIGHT SIDE	
Value Chart (E)	42
Valuation Field Roadway 2	
Value Chart (E)	43

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

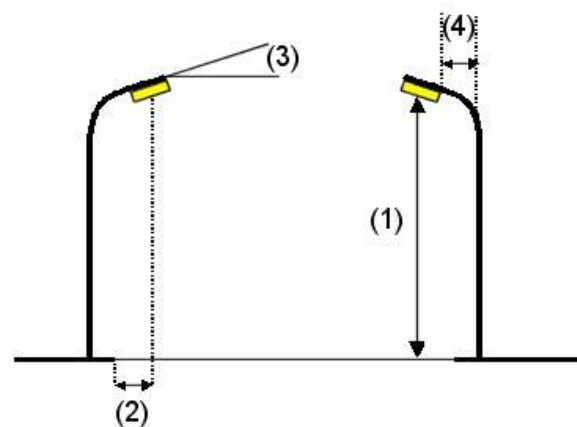
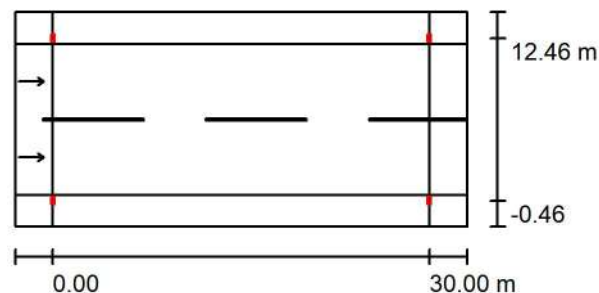
12M ROAD-TCS 4A / Planning data

Street Profile

FOOTPATH LEFT SIDE (Width: 2.500 m)
Roadway 1 (Width: 12.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
FOOTPATH RIGHT SIDE (Width: 2.500 m)

Light loss factor: 0.80

Luminaire Arrangements



Luminaire: HALONIX 100W LED Street Light NW
Luminous flux (Luminaire): 11009 lm
Luminous flux (Lamps): 11010 lm
Luminaire Wattage: 100.0 W
Arrangement: Double row, opposing
Pole Distance: 30.000 m
Mounting Height (1): 9.000 m
Height: 8.958 m
Overhang (2): -0.450 m
Boom Angle (3): 10.0 °
Boom Length (4): 1.000 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.

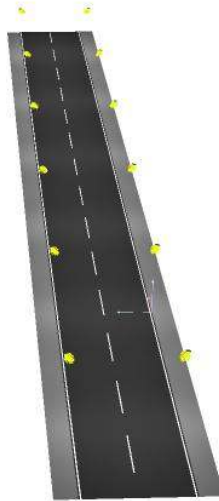
Arrangement complies with glare index class D.6.

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

12M ROAD-TCS 4A / 3D Rendering



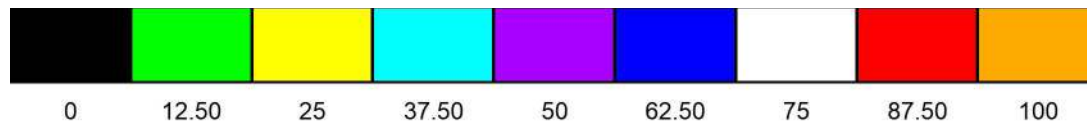
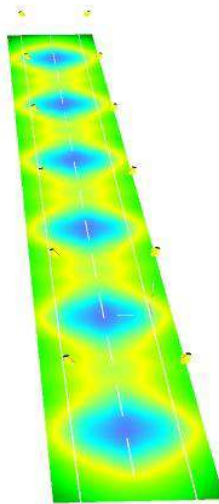


Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

12M ROAD-TCS 4A / False Color Rendering

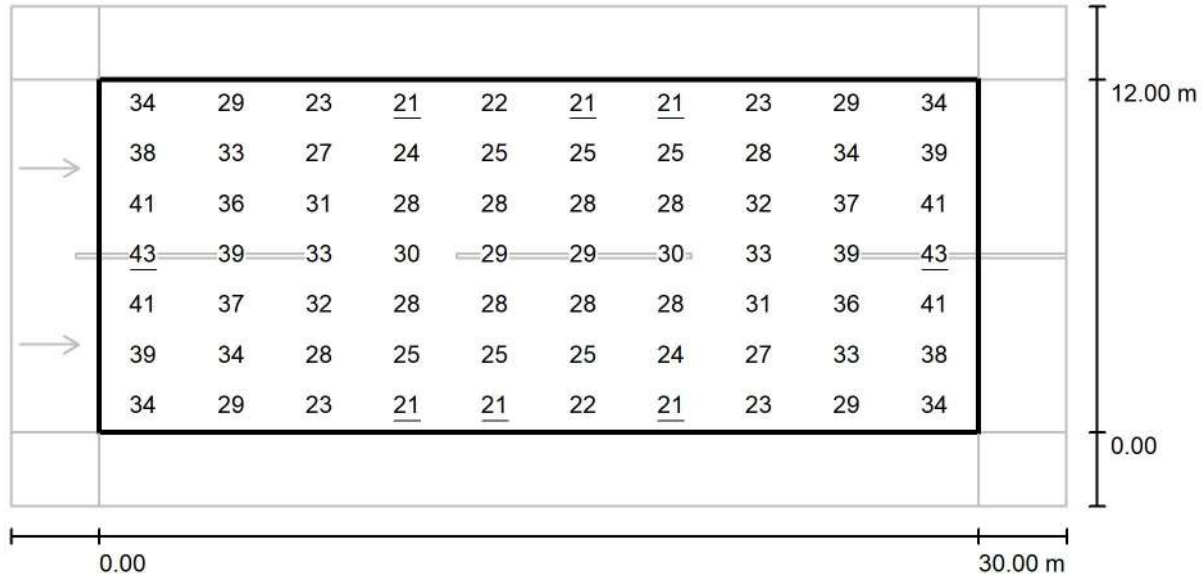


lx

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

12M ROAD-TCS 4A / Valuation Field Roadway 1 / Value Chart (E)

Values in Lux, Scale 1 : 258

Grid: 10 x 7 Points

 E_{av} [lx]
30

 E_{min} [lx]
21

 E_{max} [lx]
43

 u_0
0.689

 E_{min} / E_{max}
0.481



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

12M ROAD-TCS 4A / FOOTPATH LEFT SIDE / Value Chart (E)



Not all calculated values could be displayed.

Grid: 10 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
20	15	29	0.761	0.516



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

12M ROAD-TCS 4A / FOOTPATH RIGHT SIDE / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

 E_{av} [lx]
 20

 E_{min} [lx]
 15

 E_{max} [lx]
 29

 $u0$
 0.761

 E_{min} / E_{max}
 0.516

Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

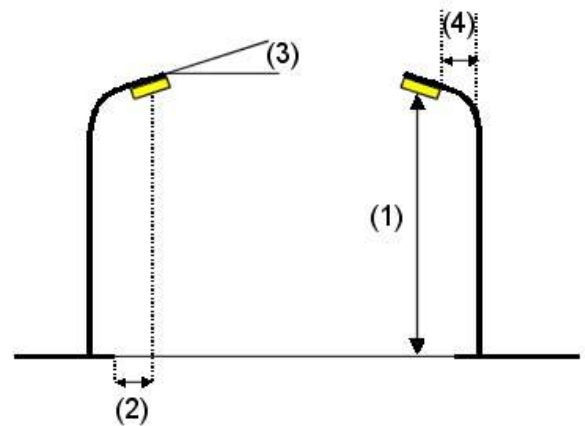
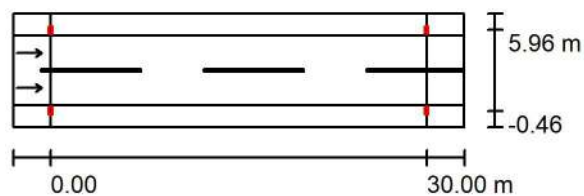
9M ROAD-TCS 5A / Planning data

Street Profile

FOOTPATH LEFT SIDE (Width: 1.750 m)
 Roadway 1 (Width: 5.500 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
 FOOTPATH RIGHT SIDE (Width: 1.750 m)

Light loss factor: 0.80

Luminaire Arrangements



Luminaire: HALONIX 90W LED Street Light NW
 Luminous flux (Luminaire): 9909 lm
 Luminous flux (Lamps): 9910 lm
 Luminaire Wattage: 90.0 W
 Arrangement: Double row, opposing
 Pole Distance: 30.000 m
 Mounting Height (1): 9.000 m
 Height: 8.958 m
 Overhang (2): -0.450 m
 Boom Angle (3): 10.0°
 Boom Length (4): 1.000 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.6.



Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

9M ROAD-TCS 5A / 3D Rendering



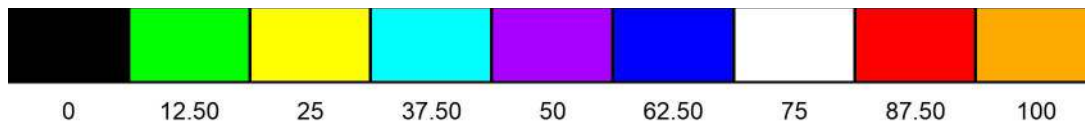


Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

9M ROAD-TCS 5A / False Color Rendering



lx

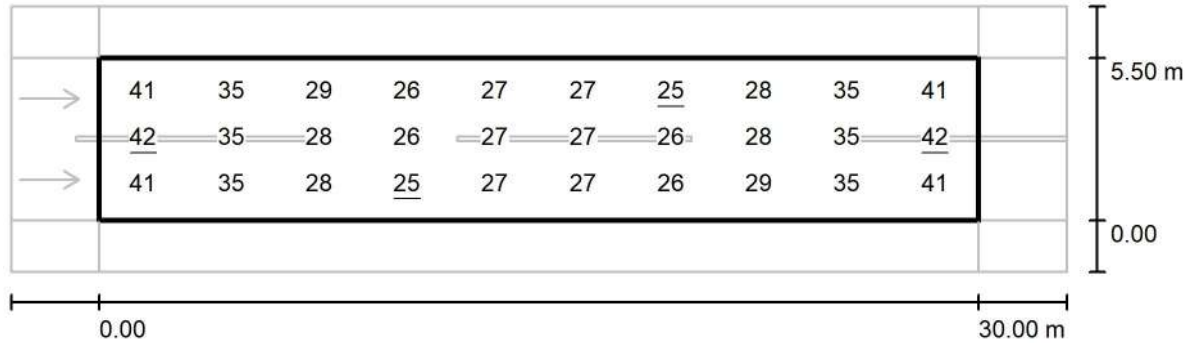


Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

9M ROAD-TCS 5A / Valuation Field Roadway 1 / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 7 Points

 E_{av} [lx]
 31

 E_{min} [lx]
 25

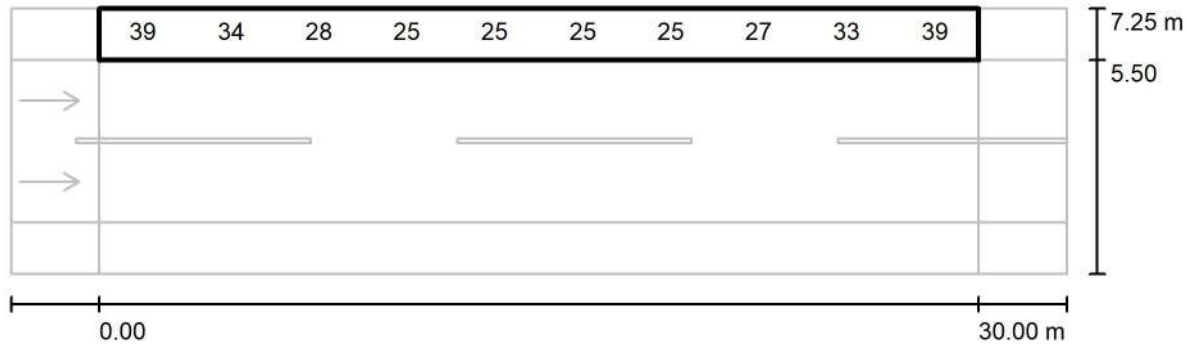
 E_{max} [lx]
 42

 u_0
 0.797

 E_{min} / E_{max}
 0.595



Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in**9M ROAD-TCS 5A / FOOTPATH LEFT SIDE / Value Chart (E)**

Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

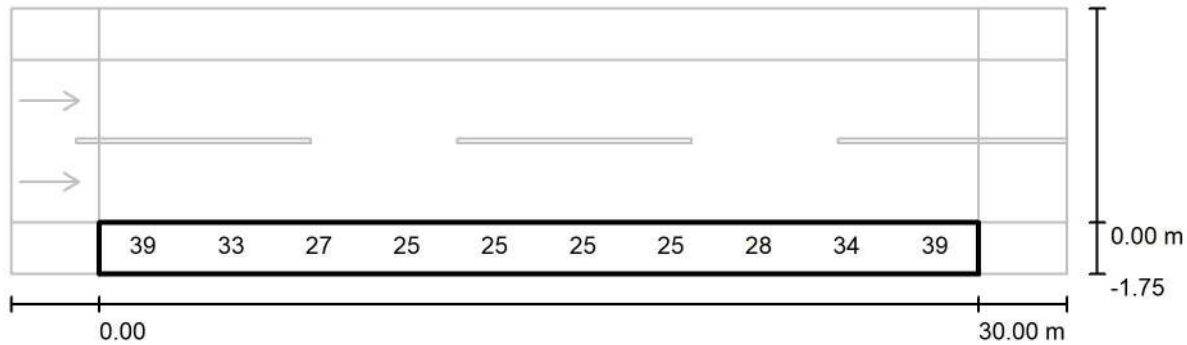
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
30	24	40	0.794	0.593



Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

9M ROAD-TCS 5A / FOOTPATH RIGHT SIDE / Value Chart (E)

Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

E_{av} [lx]
30

E_{min} [lx]
24

E_{max} [lx]
40

u_0
0.794

E_{min} / E_{max}
0.593

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

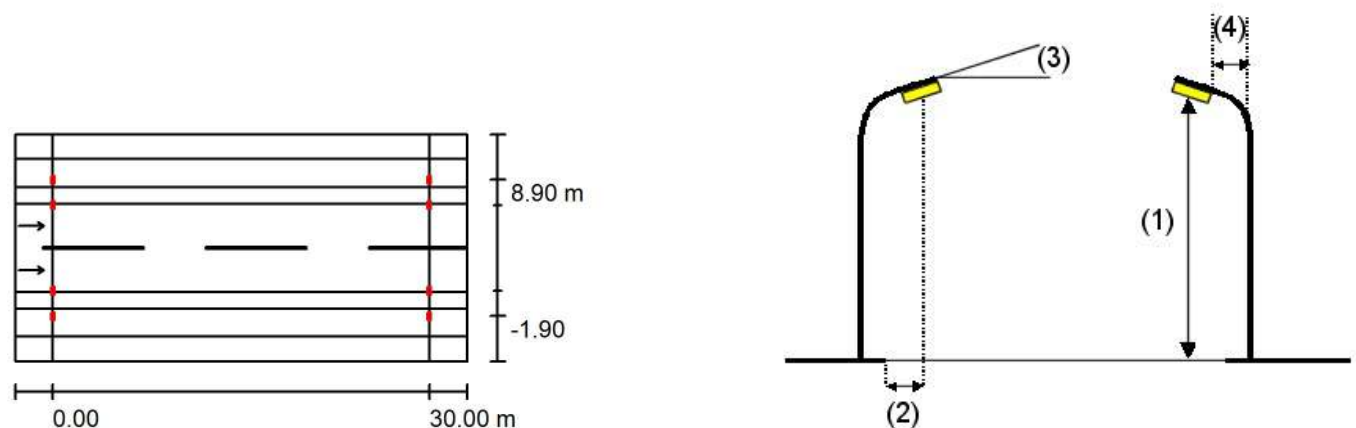
18M ROAD-TCS 3A / Planning data

Street Profile

FOOTPATH LEFT SIDE	(Width: 1.970 m)
CYCLE TRACK LEFT SIDE	(Width: 2.200 m)
STREET LIGHT AREA-1	(Width: 1.330 m)
Roadway 1	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
STREET LIGHT AREA-2	(Width: 1.330 m)
CYCLE TRACK RIGHT SIDE	(Width: 2.200 m)
FOOTPATH RIGHT SIDE	(Width: 1.970 m)

Light loss factor: 0.80

Luminaire Arrangements



Luminaire:	HALONIX 80W LED Street Light NW
Luminous flux (Luminaire):	8809 lm
Luminous flux (Lamps):	8810 lm
Luminaire Wattage:	80.0 W
Arrangement:	Double row, opposing
Pole Distance:	30.000 m
Mounting Height (1):	9.000 m
Height:	8.957 m
Overhang (2):	0.100 m
Boom Angle (3):	5.0 °
Boom Length (4):	1.000 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.6.

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

18M ROAD-TCS 3A / 3D Rendering



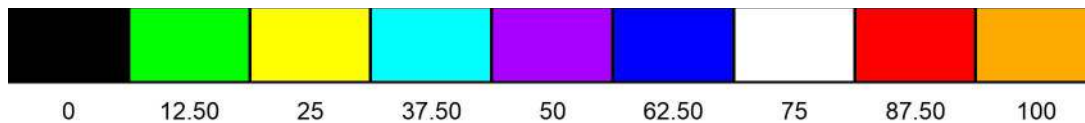
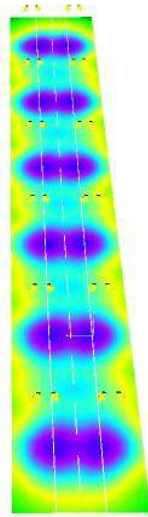


Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

18M ROAD-TCS 3A / False Color Rendering

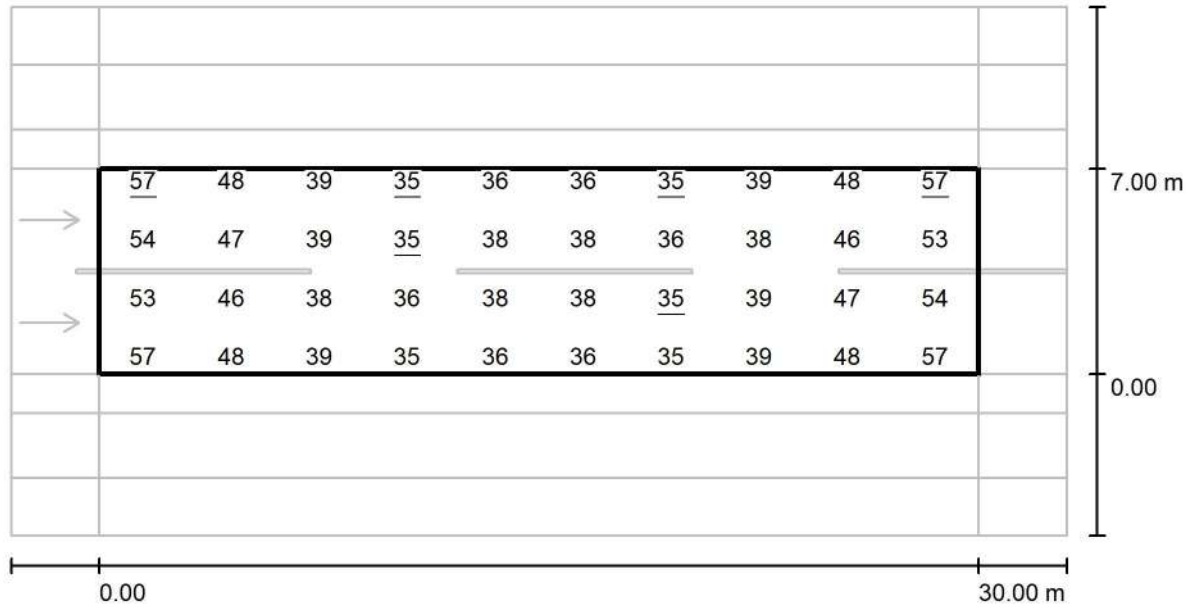




Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

18M ROAD-TCS 3A / Valuation Field Roadway 1 / Value Chart (E)


Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 7 Points

 E_{av} [lx]
 43

 E_{min} [lx]
 35

 E_{max} [lx]
 57

 $u0$
 0.814

 E_{min} / E_{max}
 0.612



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

18M ROAD-TCS 3A / FOOTPATH LEFT SIDE / Value Chart (E)


Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

 E_{av} [lx]
 27

 E_{min} [lx]
 19

 E_{max} [lx]
 38

 $u0$
 0.728

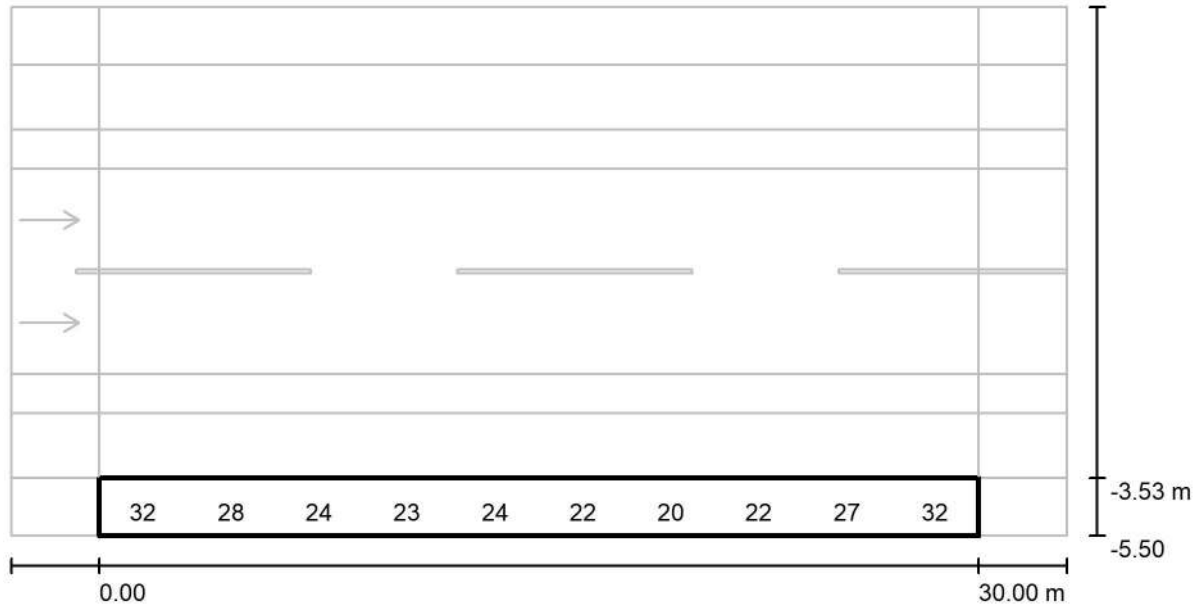
 E_{min} / E_{max}
 0.515



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

18M ROAD-TCS 3A / FOOTPATH RIGHT SIDE / Value Chart (E)


Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 7 Points

 E_{av} [lx]
 27

 E_{min} [lx]
 19

 E_{max} [lx]
 39

 u_0
 0.712

 E_{min} / E_{max}
 0.489

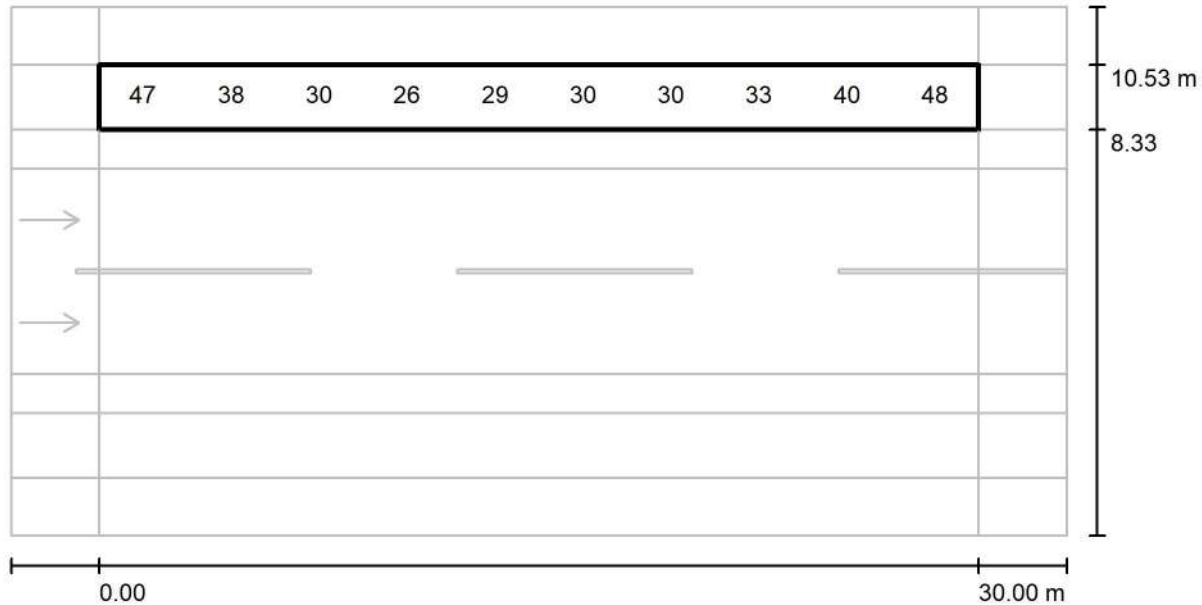


Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

18M ROAD-TCS 3A / CYCLE TRACK LEFT SIDE / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

 E_{av} [lx]
 35

 E_{min} [lx]
 24

 E_{max} [lx]
 51

 u_0
 0.697

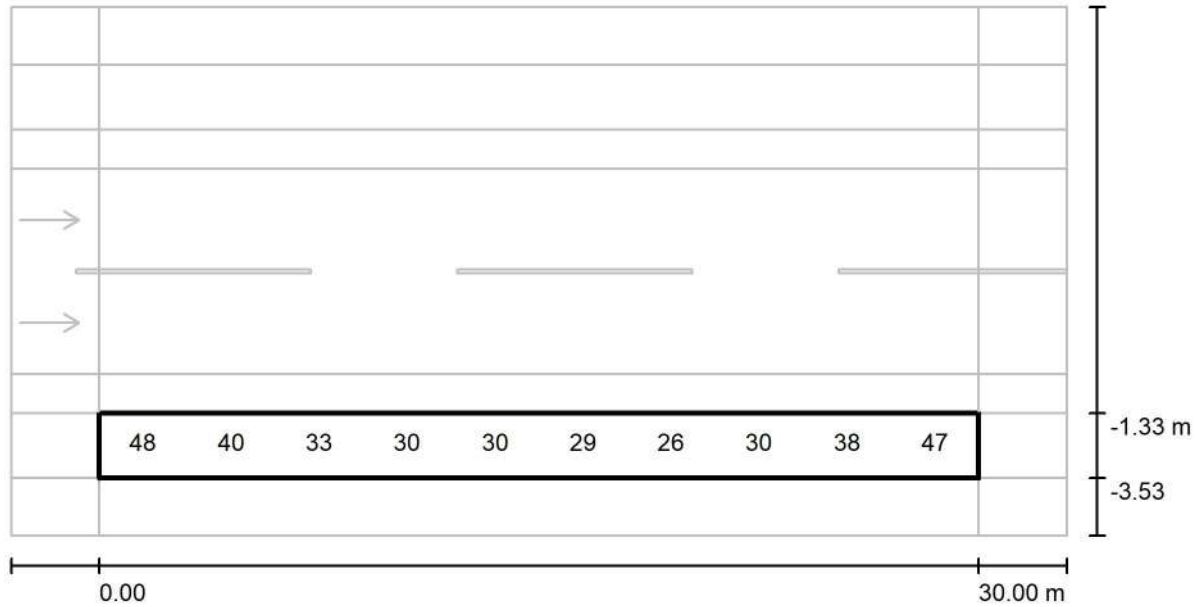
 E_{min} / E_{max}
 0.476

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

18M ROAD-TCS 3A / CYCLE TRACK RIGHT SIDE / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

$$E_{av} [Ix]$$
$$E_{\min} [lx]$$
$$E_{\max} [Ix]$$

u0
0.697

$$E_{\min} / E_{\max}$$

0.476

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in**24M ROAD-TCS 2A / Planning data****Street Profile**

FOOTPATH LEFT SIDE	(Width: 1.170 m)
CYCLE TRACK LEFT SIDE	(Width: 2.200 m)
STREET LIGHT AREA-1	(Width: 1.330 m)
Roadway 2	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
Median 1	(Width: 0.600 m, Height: 0.000 m)
Roadway 1	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
STREET LIGHT AREA-2	(Width: 1.330 m)
CYCLE TRACK RIGHT SIDE	(Width: 2.200 m)
FOOTPATH RIGHT SIDE	(Width: 1.170 m)

Light loss factor: 0.80

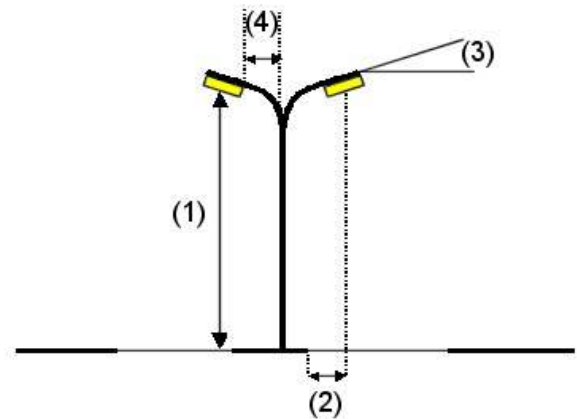
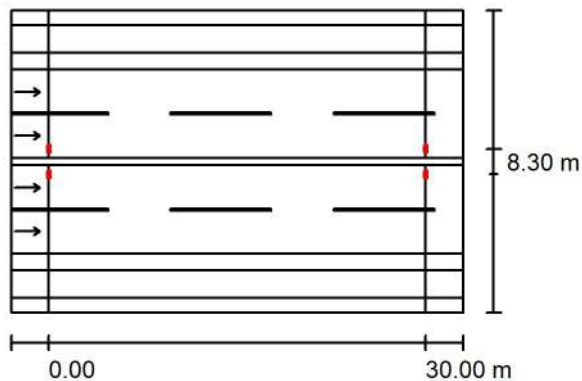
Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / Planning data

Luminaire Arrangements



Luminaire:
Luminous flux (Luminaire): 21608 lm
Luminous flux (Lamps): 21610 lm
Luminaire Wattage: 180.0 W
Arrangement: on Median
Pole Distance: 30.000 m
Mounting Height (1): 9.500 m
Height: 9.458 m
Overhang (2): 0.711 m
Boom Angle (3): 15.0 °
Boom Length (4): 1.000 m

HALONIX 180W LED Street Light NW

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.

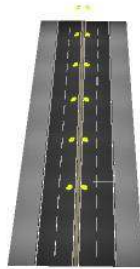
Arrangement complies with luminous intensity class G3.
Arrangement complies with glare index class D.4.

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / 3D Rendering

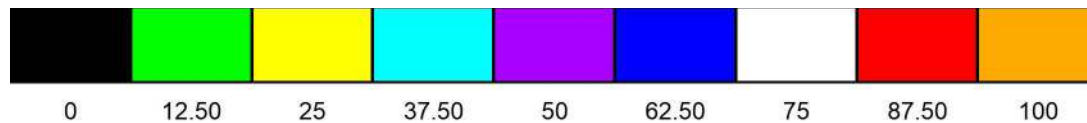
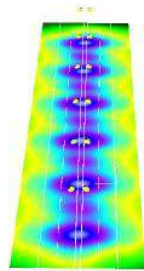


Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / False Color Rendering

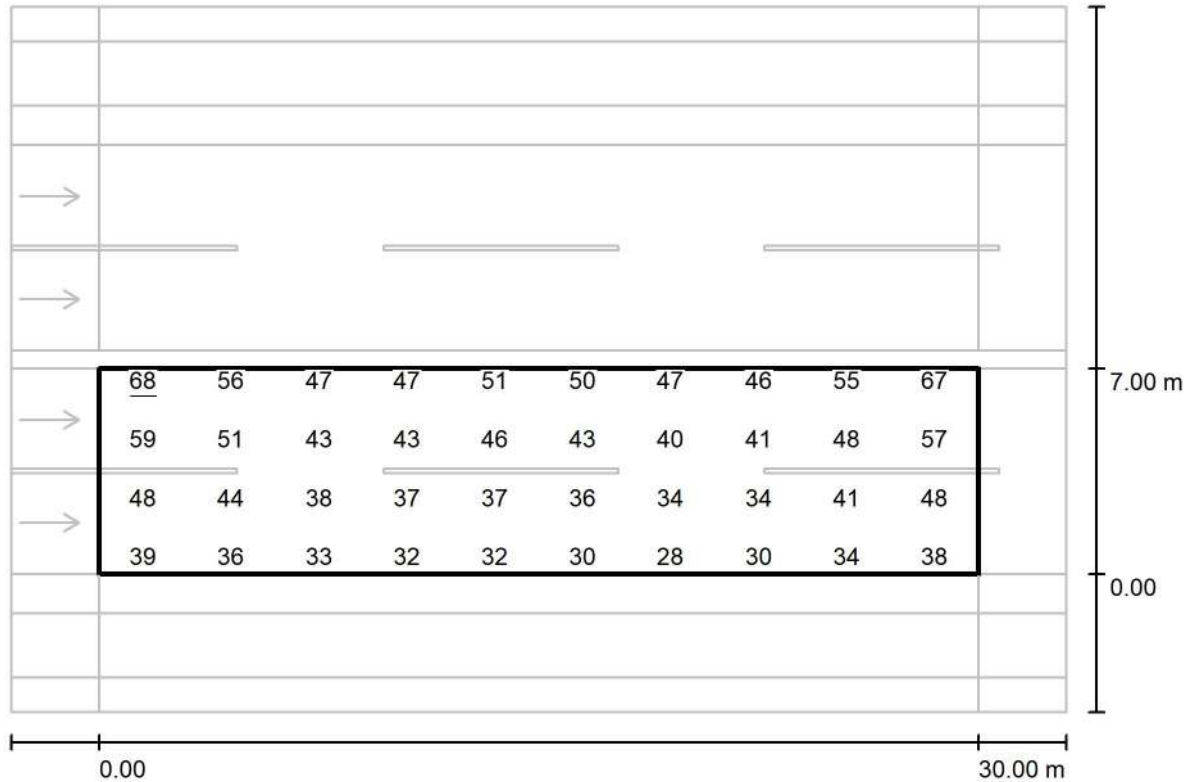


Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / Valuation Field Roadway 1 / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 7 Points

 E_{av} [lx]
 43

 E_{min} [lx]
 28

 E_{max} [lx]
 68

 u_0
 0.640

 E_{min} / E_{max}
 0.410

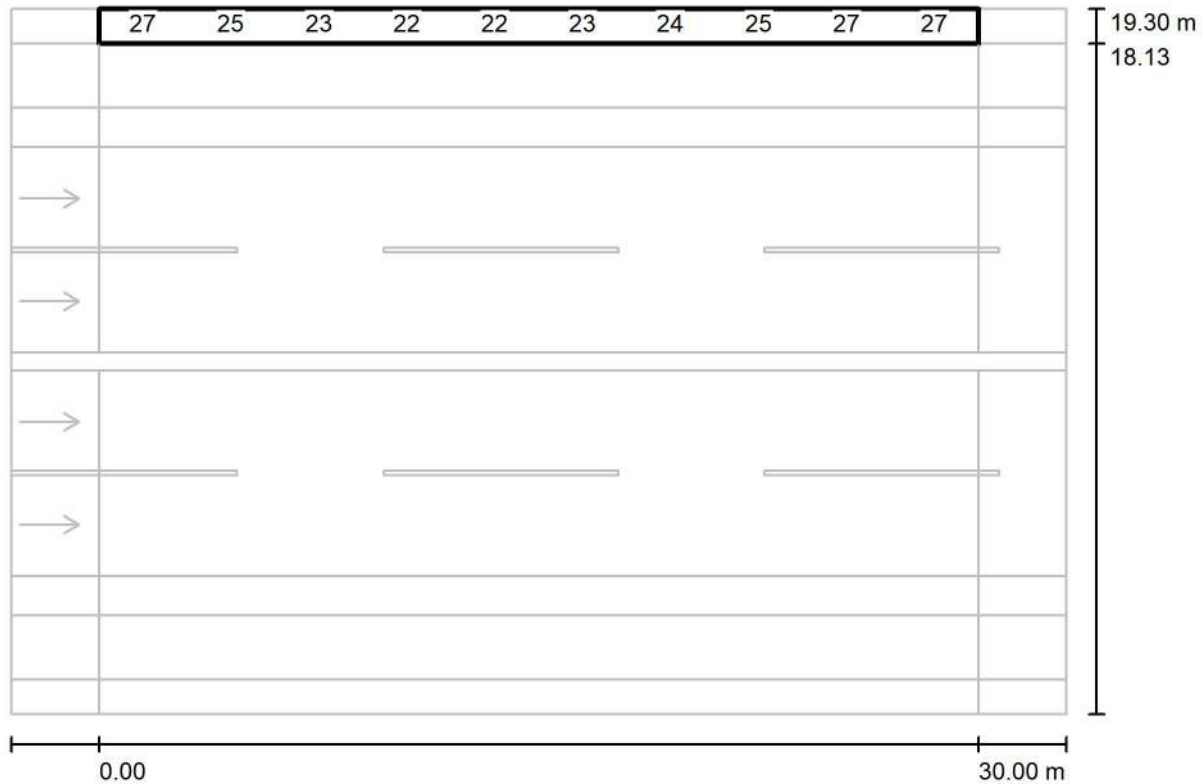


Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / FOOTPATH LEFT SIDE / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

E_{av} [lx]
25

E_{min} [lx]
21

E_{max} [lx]
29

u_0
0.876

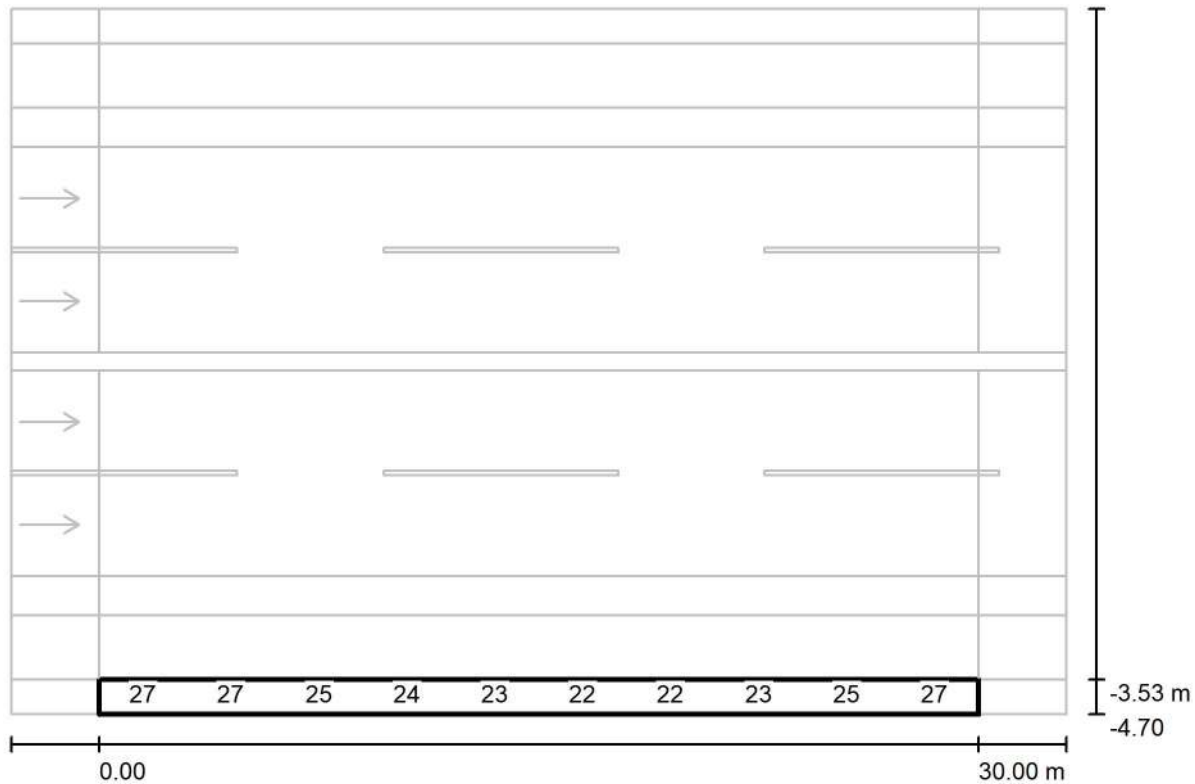
E_{min} / E_{max}
0.742



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / FOOTPATH RIGHT SIDE / Value Chart (E)


Not all calculated values could be displayed.

Grid: 10 x 7 Points

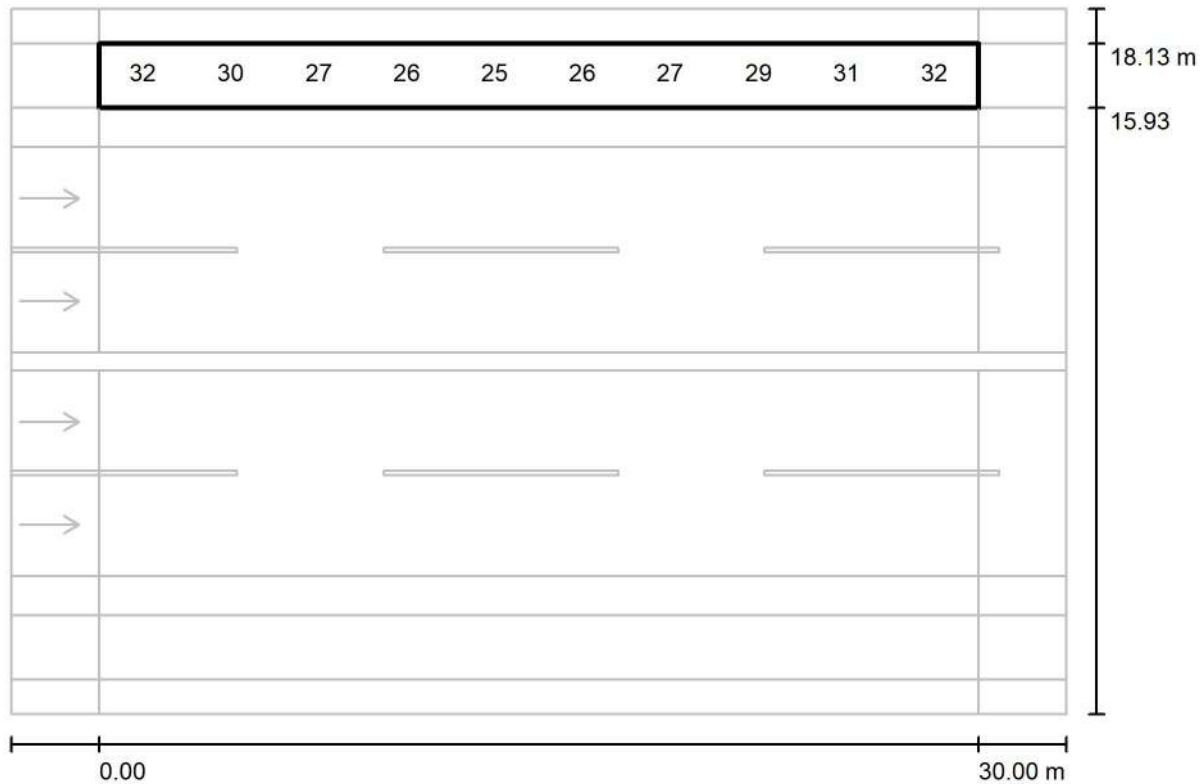
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u_0	E_{min} / E_{max}
25	21	29	0.859	0.718



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / CYCLE TRACK LEFT SIDE / Value Chart (E)


Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

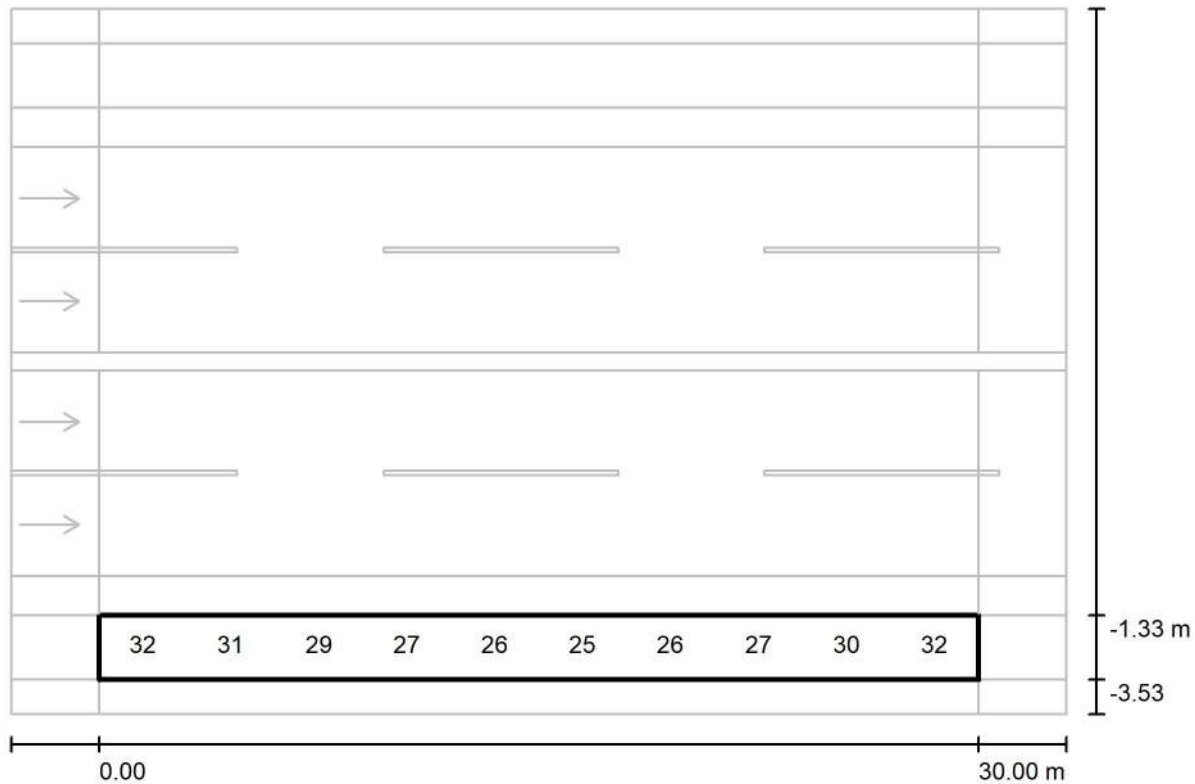
E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	$u0$	E_{min} / E_{max}
28	24	33	0.851	0.732



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / CYCLE TRACK RIGHT SIDE / Value Chart (E)


Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

 E_{av} [lx]
 28

 E_{min} [lx]
 24

 E_{max} [lx]
 33

 u_0
 0.851

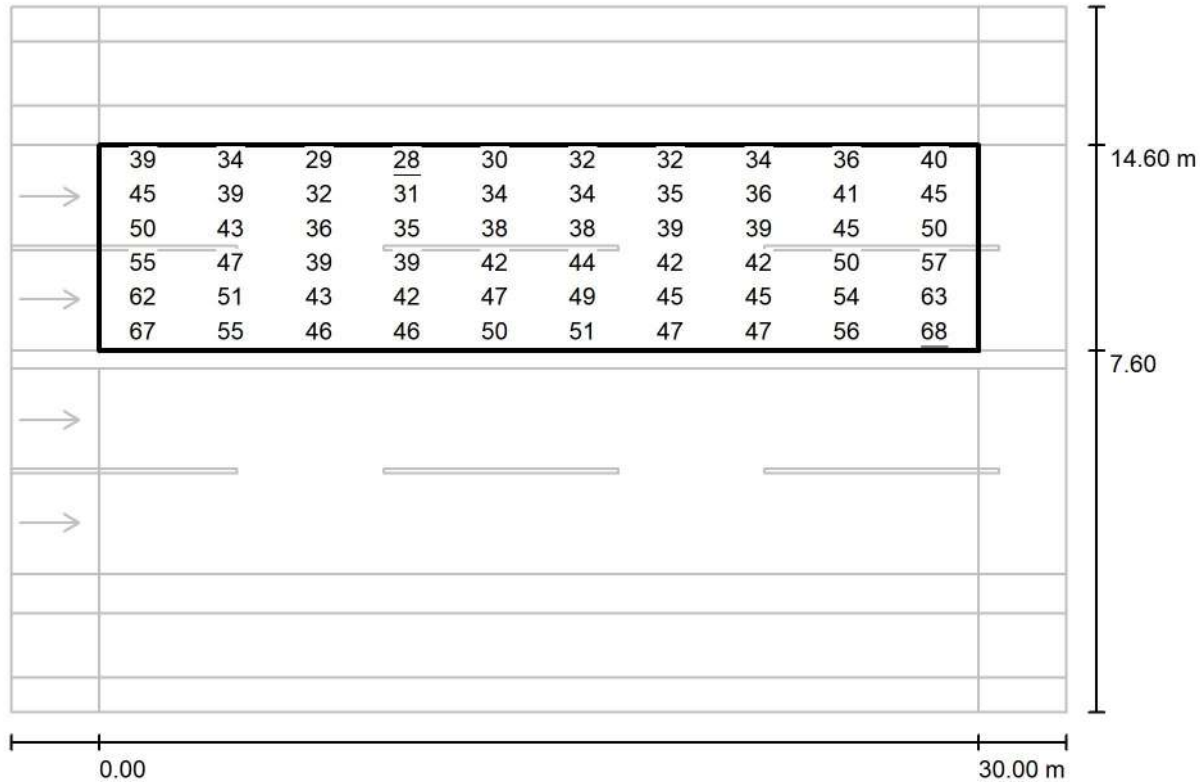
 E_{min} / E_{max}
 0.732



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

24M ROAD-TCS 2A / Valuation Field Roadway 2 / Value Chart (E)


Values in Lux, Scale 1 : 258

Grid: 10 x 6 Points

 E_{av} [lx]
 43

 E_{min} [lx]
 28

 E_{max} [lx]
 68

 u_0
 0.643

 E_{min} / E_{max}
 0.414

Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in**30M ROAD / Planning data****Street Profile**

FOOTPATH LEFT SIDE	(Width: 2.965 m)
CYCLE TRACK LEFT SIDE	(Width: 2.200 m)
STREET LIGHT AREA-1	(Width: 1.330 m)
Roadway 2	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
Median 1	(Width: 3.000 m, Height: 0.000 m)
Roadway 1	(Width: 7.000 m, Number of lanes: 2, tarmac: R3, q0: 0.070)
STREET LIGHT AREA-2	(Width: 1.330 m)
CYCLE TRACK RIGHT SIDE	(Width: 2.200 m)
FOOTPATH RIGHT SIDE	(Width: 2.965 m)

Light loss factor: 0.80

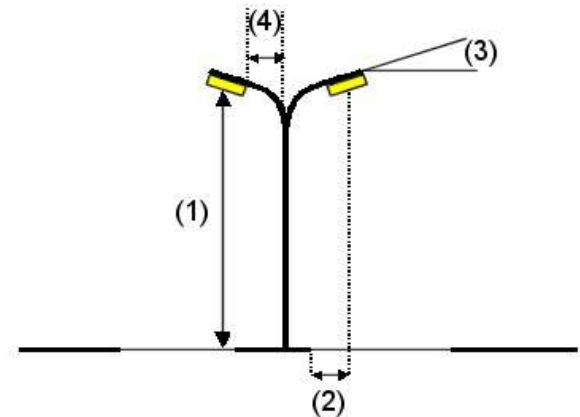
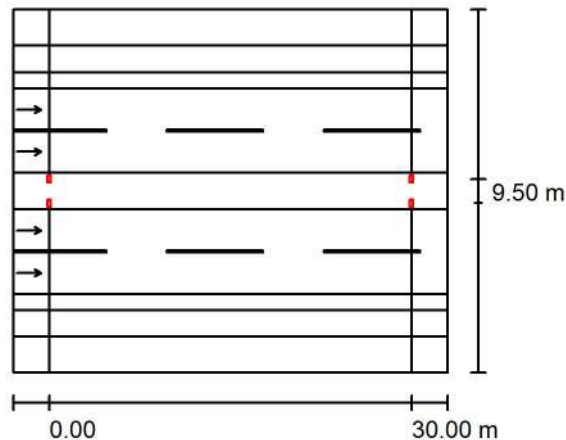
Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

30M ROAD / Planning data

Luminaire Arrangements



Luminaire: HALONIX 120W LED Street Light NW
Luminous flux (Luminaire): 14409 lm
Luminous flux (Lamps): 14410 lm
Luminaire Wattage: 120.0 W
Arrangement: on Median
Pole Distance: 30.000 m
Mounting Height (1): 9.500 m
Height: 9.458 m
Overhang (2): 0.711 m
Boom Angle (3): 15.0 °
Boom Length (4): 1.000 m

Maximum luminous intensities

at 70°: 376 cd/klm

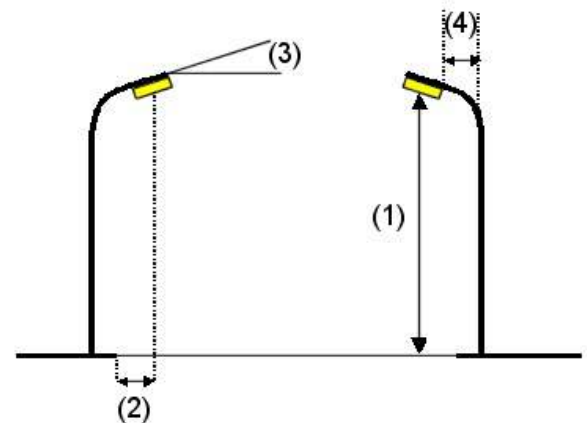
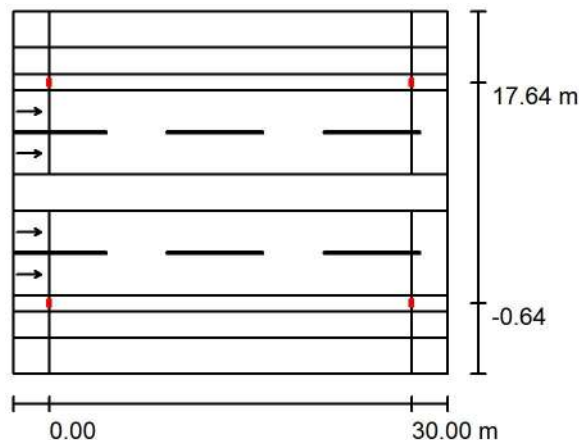
at 80°: 29 cd/klm

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.5.



Luminaire: HALONIX 50W LED Street Light NW
Luminous flux (Luminaire): 6010 lm
Luminous flux (Lamps): 6010 lm
Luminaire Wattage: 50.0 W
Arrangement: Double row, opposing
Pole Distance: 30.000 m
Mounting Height (1): 6.000 m
Height: 5.958 m
Overhang (2): -0.650 m
Boom Angle (3): 10.0 °
Boom Length (4): 1.000 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.6.

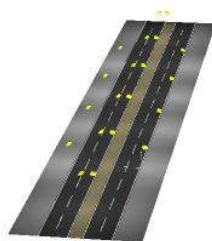


Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

30M ROAD / 3D Rendering

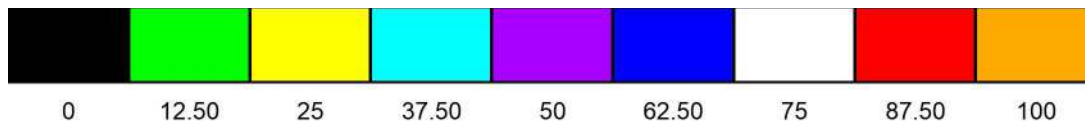
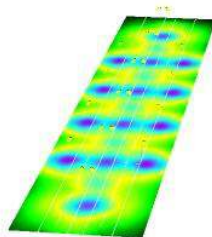


Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

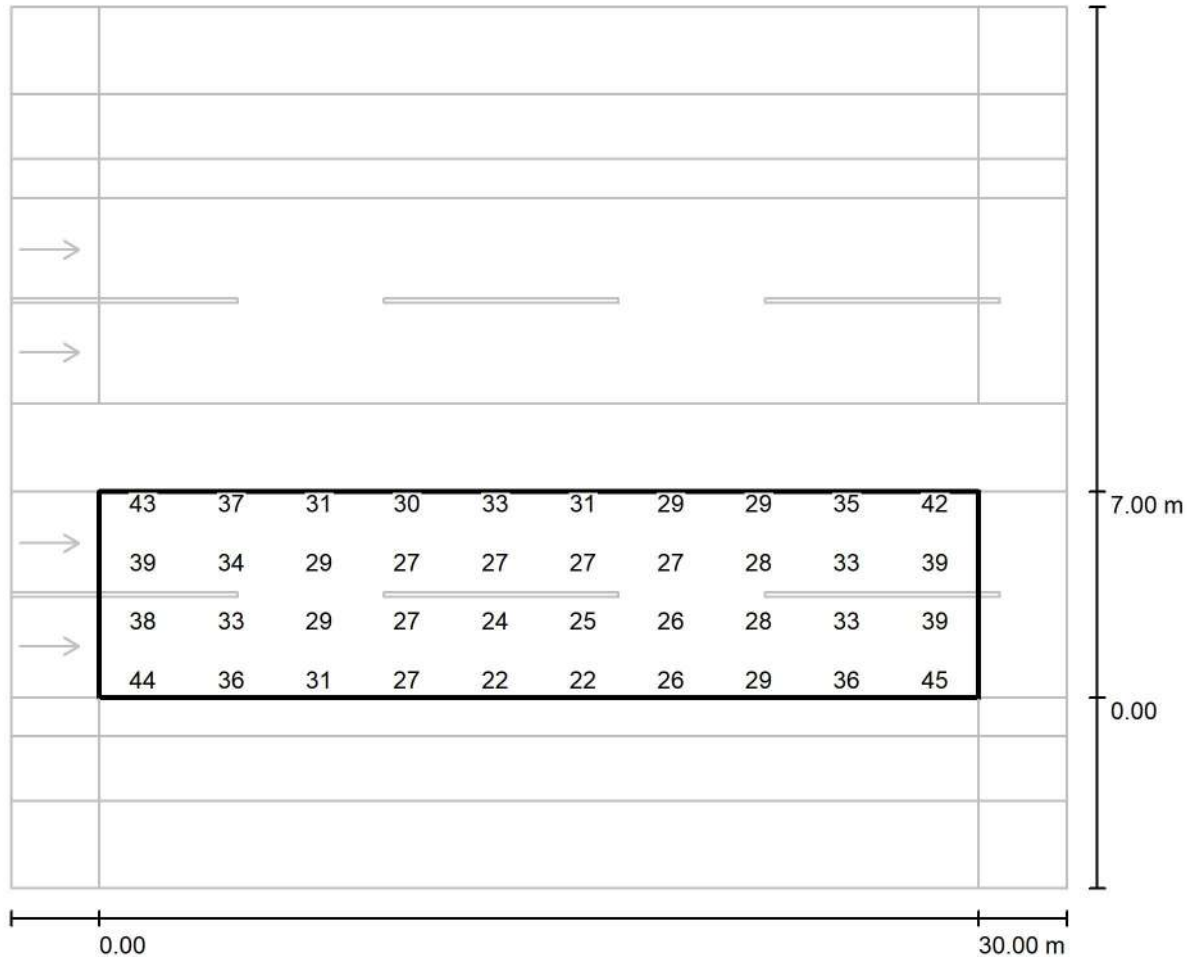
30M ROAD / False Color Rendering



Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

30M ROAD / Valuation Field Roadway 1 / Value Chart (E)

Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 7 Points

 E_{av} [lx]
31

 E_{min} [lx]
22

 E_{max} [lx]
45

 u_0
0.699

 E_{min} / E_{max}
0.490

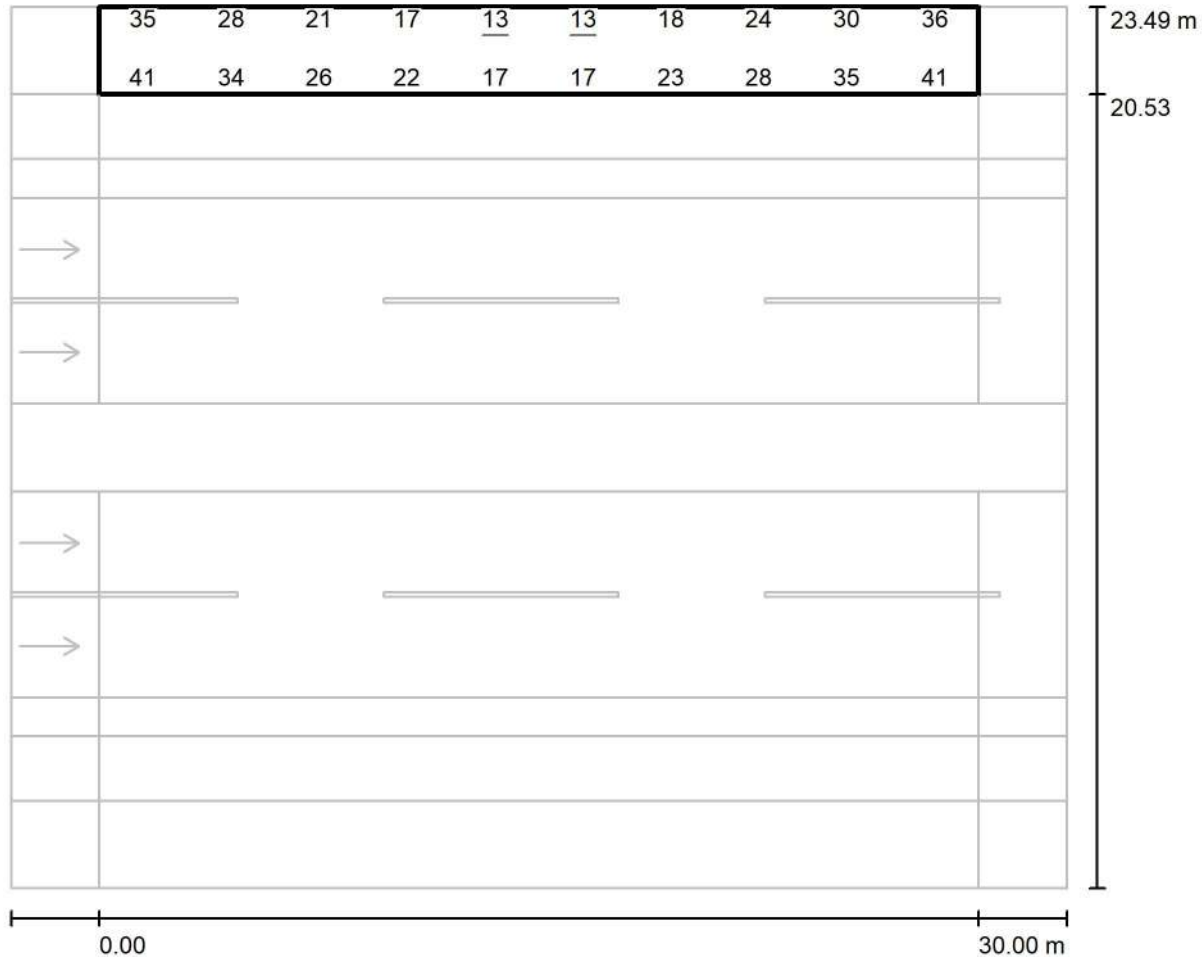


Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

30M ROAD / FOOTPATH LEFT SIDE / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

 E_{av} [lx]
 26

 E_{min} [lx]
 13

 E_{max} [lx]
 41

 u_0
 0.484

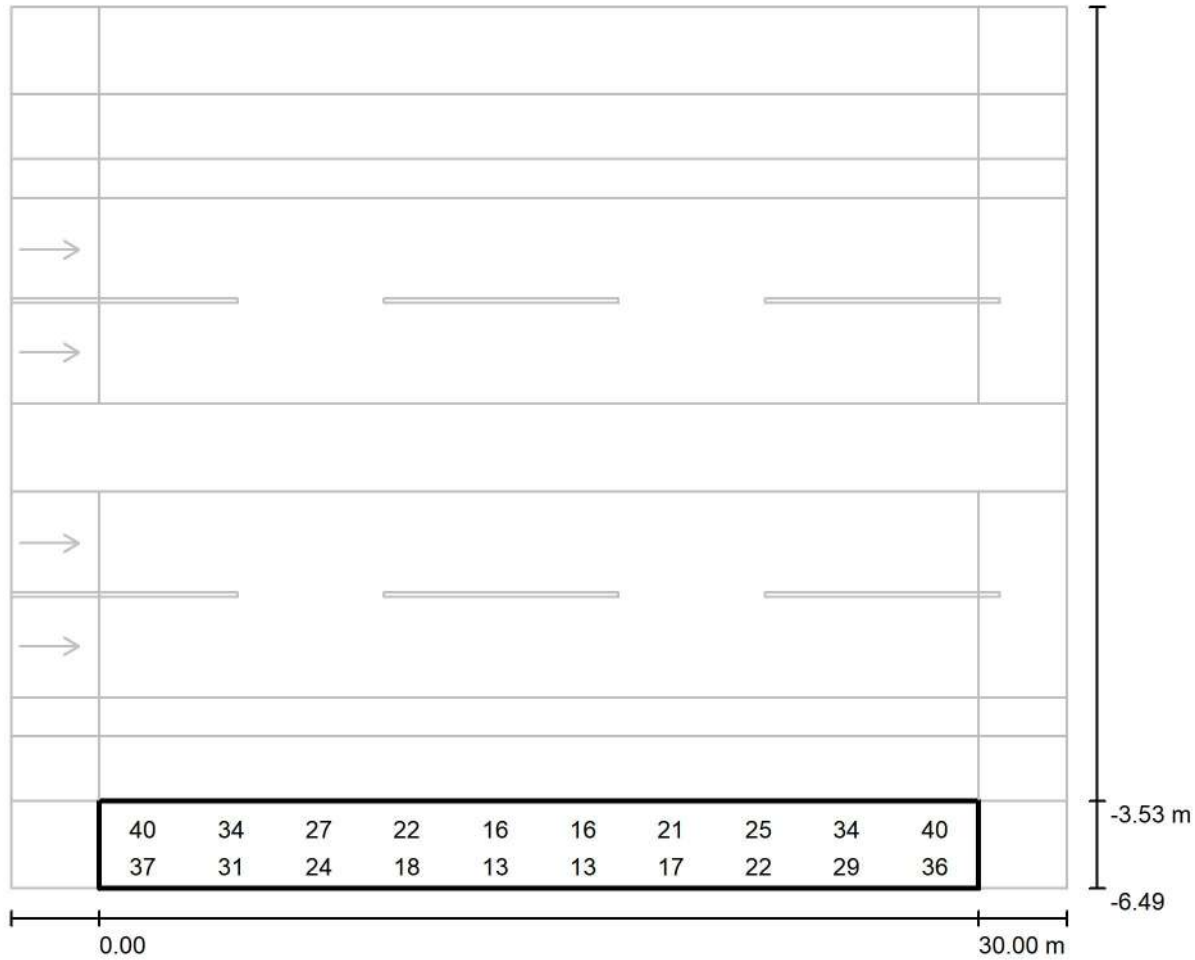
 E_{min} / E_{max}
 0.308



Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

30M ROAD / FOOTPATH RIGHT SIDE / Value Chart (E)


Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 7 Points

 E_{av} [lx]
 26

 E_{min} [lx]
 12

 E_{max} [lx]
 42

 u_0
 0.460

 E_{min} / E_{max}
 0.286

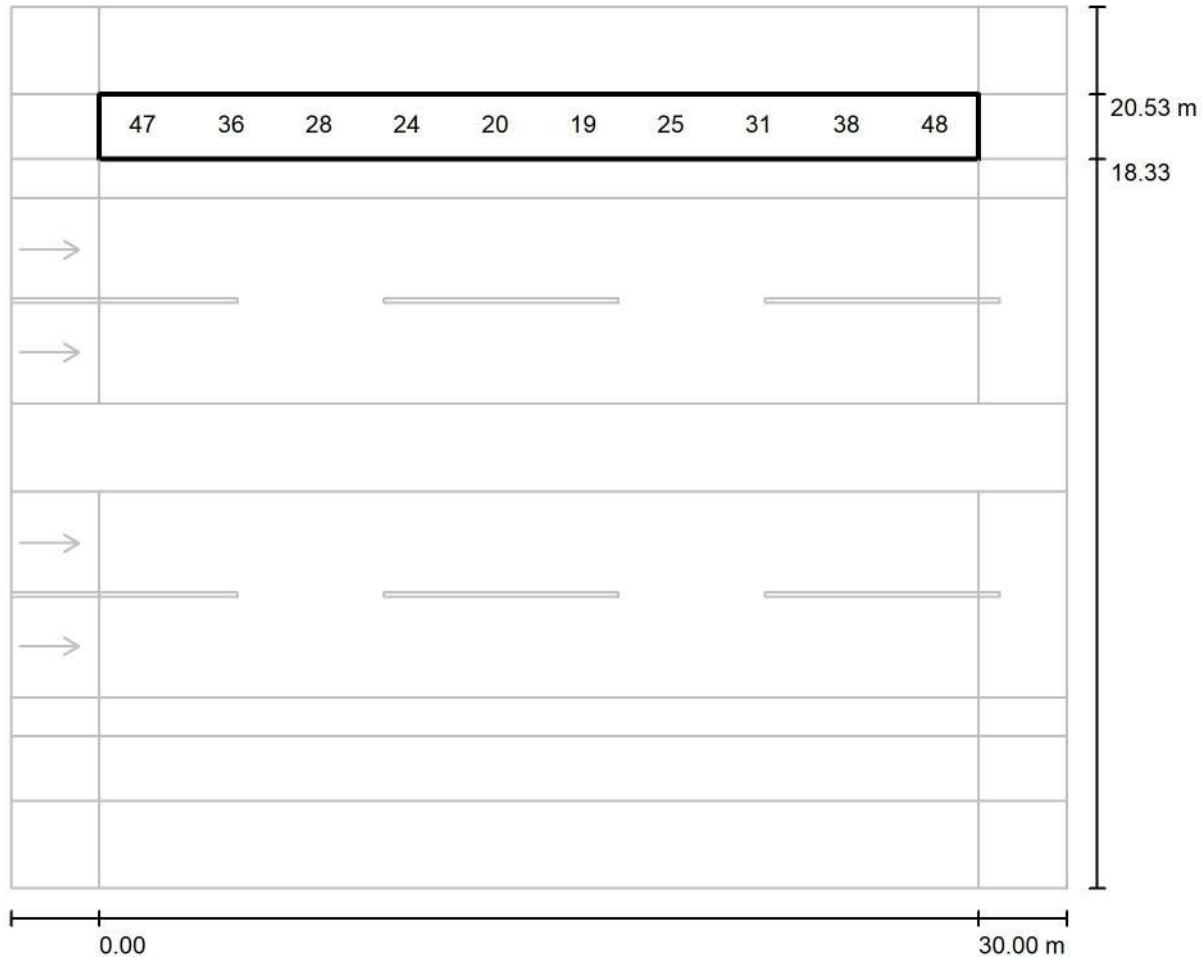


Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

30M ROAD / CYCLE TRACK LEFT SIDE / Value Chart (E)



Values in Lux, Scale 1 : 258

Not all calculated values could be displayed.

Grid: 10 x 3 Points

 E_{av} [lx]
 32

 E_{min} [lx]
 18

 E_{max} [lx]
 49

 u_0
 0.574

 E_{min} / E_{max}
 0.368

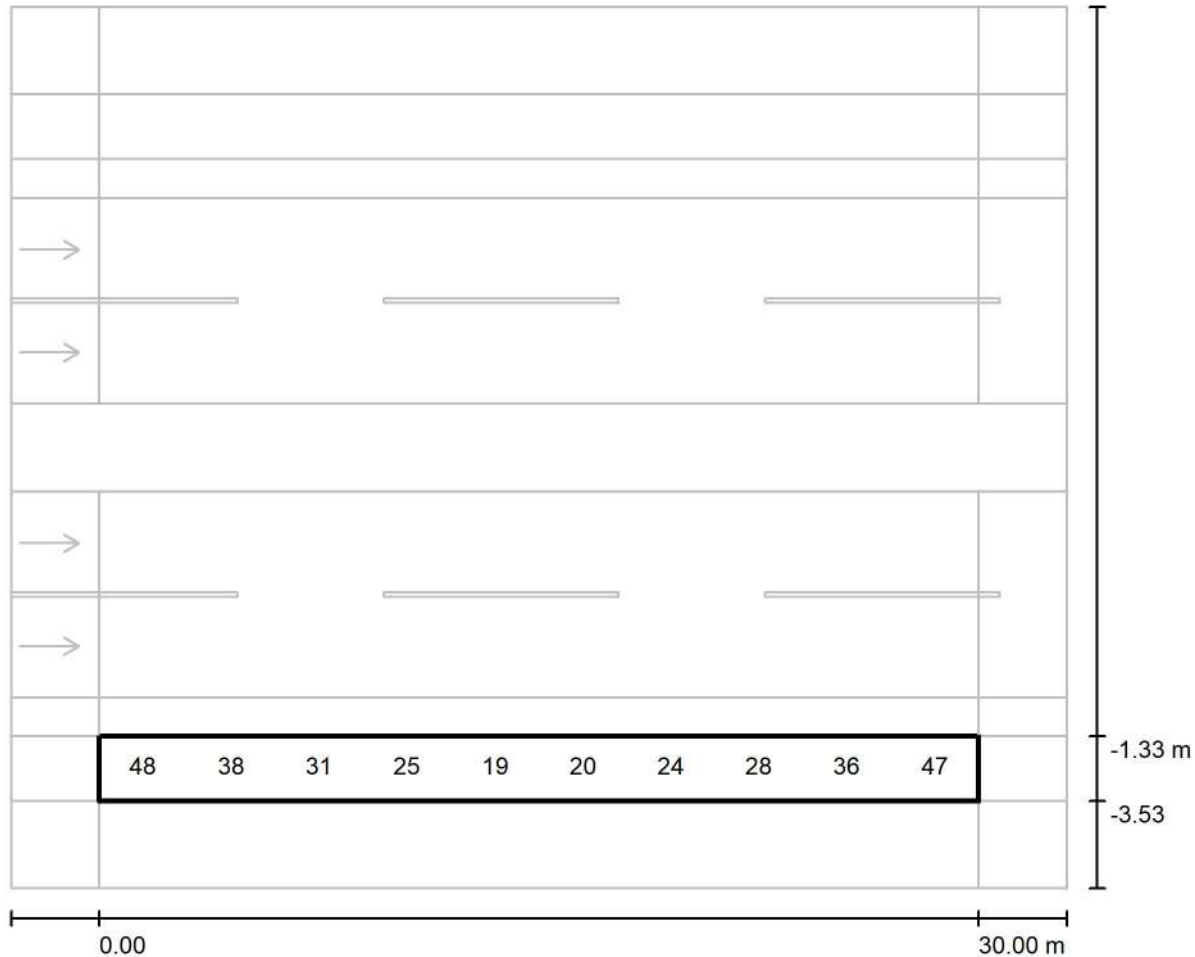


Halonix Technologies Private Limited

 B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
 WEST
 MUMBAI-400064

 Operator MADAN HEGDE
 Telephone 9108595635
 Fax +911204756101
 e-Mail madan.hegde@halonix.co.in

30M ROAD / CYCLE TRACK RIGHT SIDE / Value Chart (E)



Not all calculated values could be displayed.

Grid: 10 x 3 Points

 E_{av} [lx]
 32

 E_{min} [lx]
 18

 E_{max} [lx]
 49

 u_0
 0.574

 E_{min} / E_{max}
 0.368

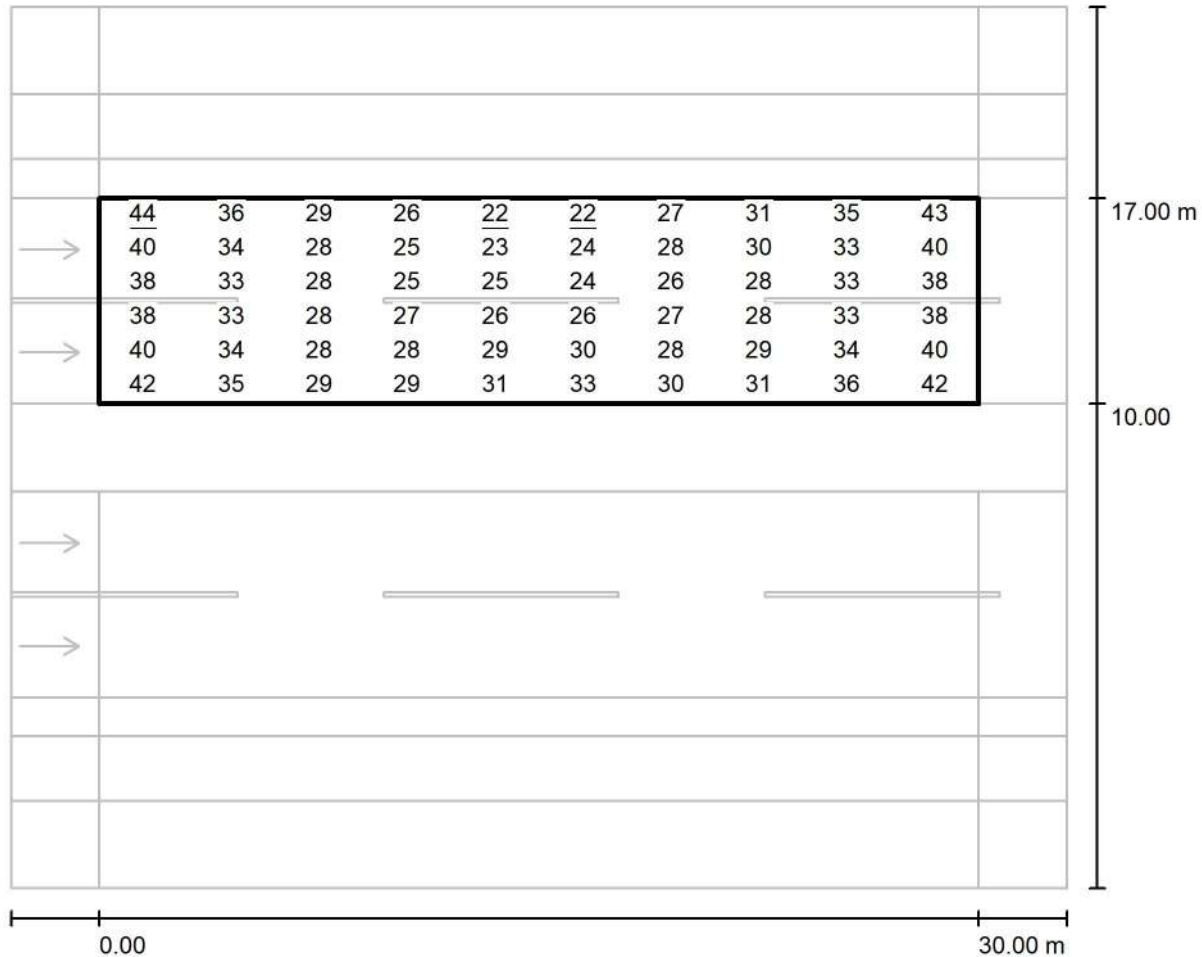


Halonix Technologies Private Limited

B-404,KEMP PLAZA,OFF LINK ROAD, NEAR MIND SPACE,MALAD
WEST
MUMBAI-400064

Operator MADAN HEGDE
Telephone 9108595635
Fax +911204756101
e-Mail madan.hegde@halonix.co.in

30M ROAD / Valuation Field Roadway 2 / Value Chart (E)



Values in Lux, Scale 1 : 258

Grid: 10 x 6 Points

E_{av} [lx]
31

E_{min} [lx]
22

E_{max} [lx]
44

u_0
0.708

E_{min} / E_{max}
0.500