

Operator: David Bide
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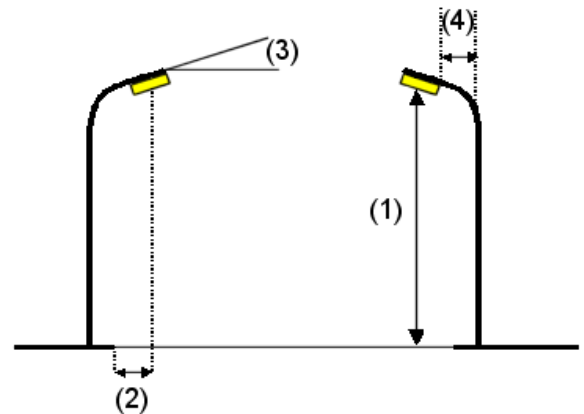
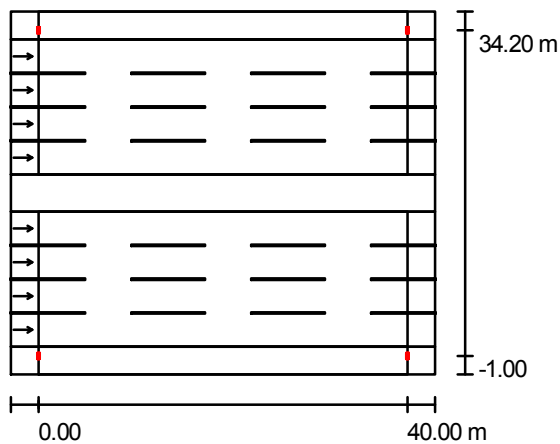
Street 1 / Planning data

Street Profile

Emergency Lane 2	(Width: 3.000 m)
Roadway 2	(Width: 14.600 m, Number of lanes: 4, tarmac: R3, q0: 0.070)
Median 1	(Width: 4.000 m, Height: 0.000 m)
Roadway 1	(Width: 14.600 m, Number of lanes: 4, tarmac: R3, q0: 0.070)
Emergency Lane 1	(Width: 3.000 m)

Light loss factor: 0.90

Luminaire Arrangements



Luminaire:	ARMADILLO LED Database version IES95 ANACONDA 224T4
Luminaire Luminous Flux:	15991 lm
Luminaire Wattage:	276.3 W
Arrangement:	Double row, opposing
Pole Distance:	40.000 m
Mounting Height (1):	12.000 m
Height:	11.990 m
Overhang (2):	-1.000 m
Boom Angle (3):	15.0 °
Boom Length (4):	2.000 m

Maximum luminous intensities
 at 70° : 623 cd/klm
 at 80° : 206 cd/klm
 at 90° : 32 cd/klm

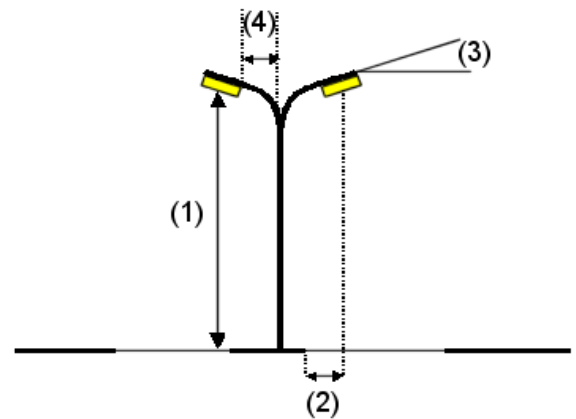
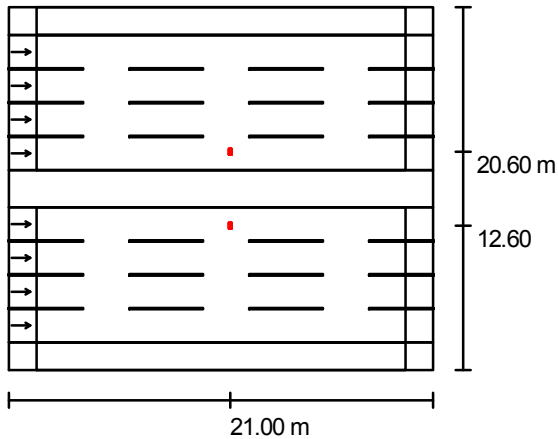
Any direction forming the specified angle from the downward vertical, with the luminaire installed for use.

Arrangement complies with glare index class D.6.

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Street 1 / Planning data

Luminaire Arrangements



Luminaire:	ARMADILLO LED Database version IES95 ANACONDA 224T4
Luminaire Luminous Flux:	15991 lm
Luminaire Wattage:	276.3 W
Arrangement:	on Median
Pole Distance:	40.000 m
Mounting Height (1):	12.000 m
Height:	11.990 m
Overhang (2):	2.000 m
Boom Angle (3):	15.0 °
Boom Length (4):	3.997 m

Maximum luminous intensities

at 70° : 623 cd/klm

at 80° : 206 cd/klm

at 90° : 32 cd/klm

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

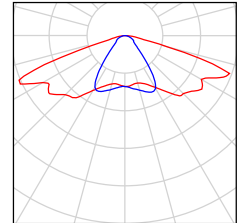
Arrangement complies with glare index class D.6.

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Street 1 / Luminaire parts list

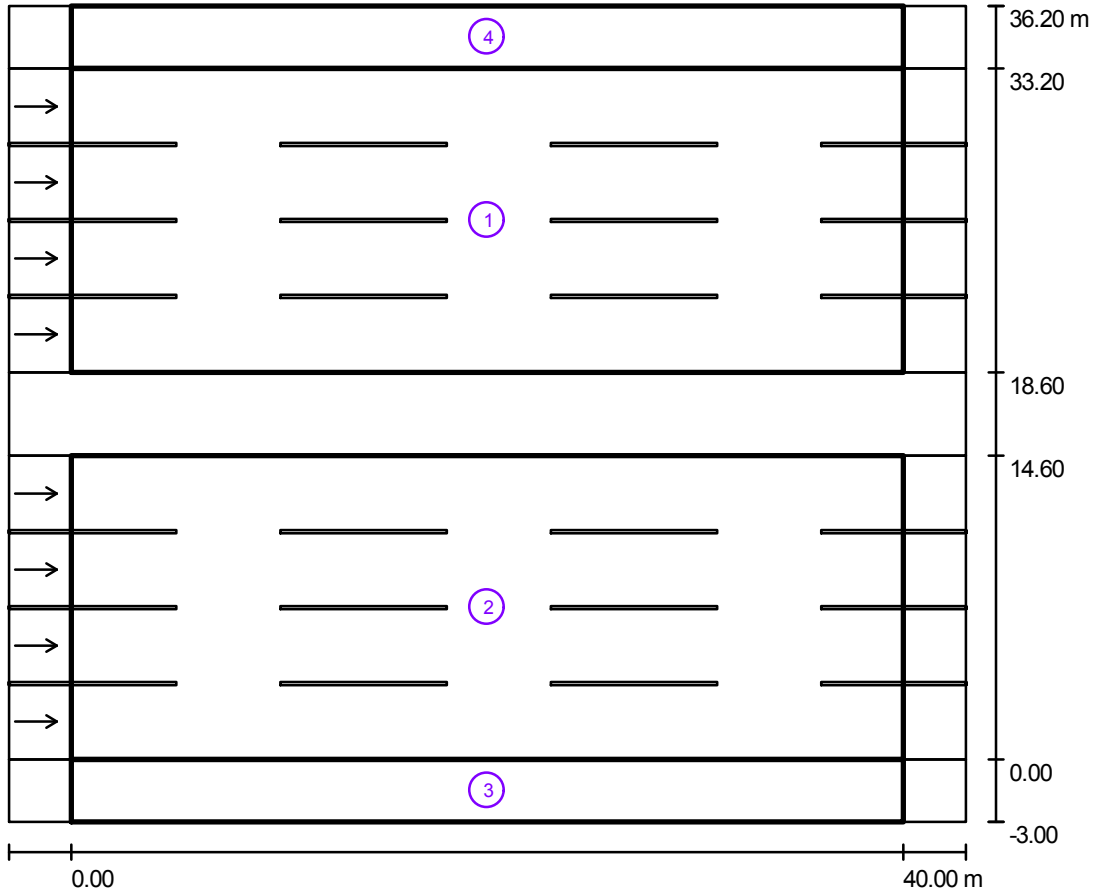
ARMADILLO LED IES95 ANACONDA 224T4
Article No.: Database version IES95
Luminaire Luminous Flux: 15991 lm
Luminaire Wattage: 276.3 W
Luminaire classification according to CIE: 100
CIE flux code: 40 74 97 100 99
Fitting: 1 x CREE-224P (Correction Factor
1.000).

See our luminaire
catalog for an image of
the luminaire.



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Street 1 / Photometric Results



Light loss factor: 0.90

Scale 1:364

Calculation Field List

- 1 Valuation Field Roadway 2
 Length: 40.000 m, Width: 14.600 m
 Grid: 14 x 12 Points
 Accompanying Street Elements: Roadway 2.
 tarmac: R3, q0: 0.070
 Selected Lighting Class: ME1

(Not all lighting performance requirements are met.)

	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	2.0	0.7	0.7	8	1.0
Required values according to class:	≥ 2.0	≥ 0.4	≥ 0.7	≤ 10	≥ 0.5
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

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Street 1 / Photometric Results

Calculation Field List

- 2 Valuation Field Roadway 1
 Length: 40.000 m, Width: 14.600 m
 Grid: 14 x 12 Points
 Accompanying Street Elements: Roadway 1.
 tarmac: R3, q0: 0.070
 Selected Lighting Class: ME1

(All lighting performance requirements are met.)

	L_{av} [cd/m ²]	U0	UI	TI [%]	SR
Calculated values:	2.0	0.6	0.7	10	1.0
Required values according to class:	≥ 2.0	≥ 0.4	≥ 0.7	≤ 10	≥ 0.5
Fulfilled/Not fulfilled:	✓	✓	✓	✓	✓

- 3 Valuation Field Emergency Lane 1
 Length: 40.000 m, Width: 3.000 m
 Grid: 14 x 3 Points
 Accompanying Street Elements: Emergency Lane 1.
 Selected Lighting Class: CE2

(All lighting performance requirements are met.)

	E_{av} [lx]	U0
Calculated values:	26	0.8
Required values according to class:	≥ 20	≥ 0.4
Fulfilled/Not fulfilled:	✓	✓

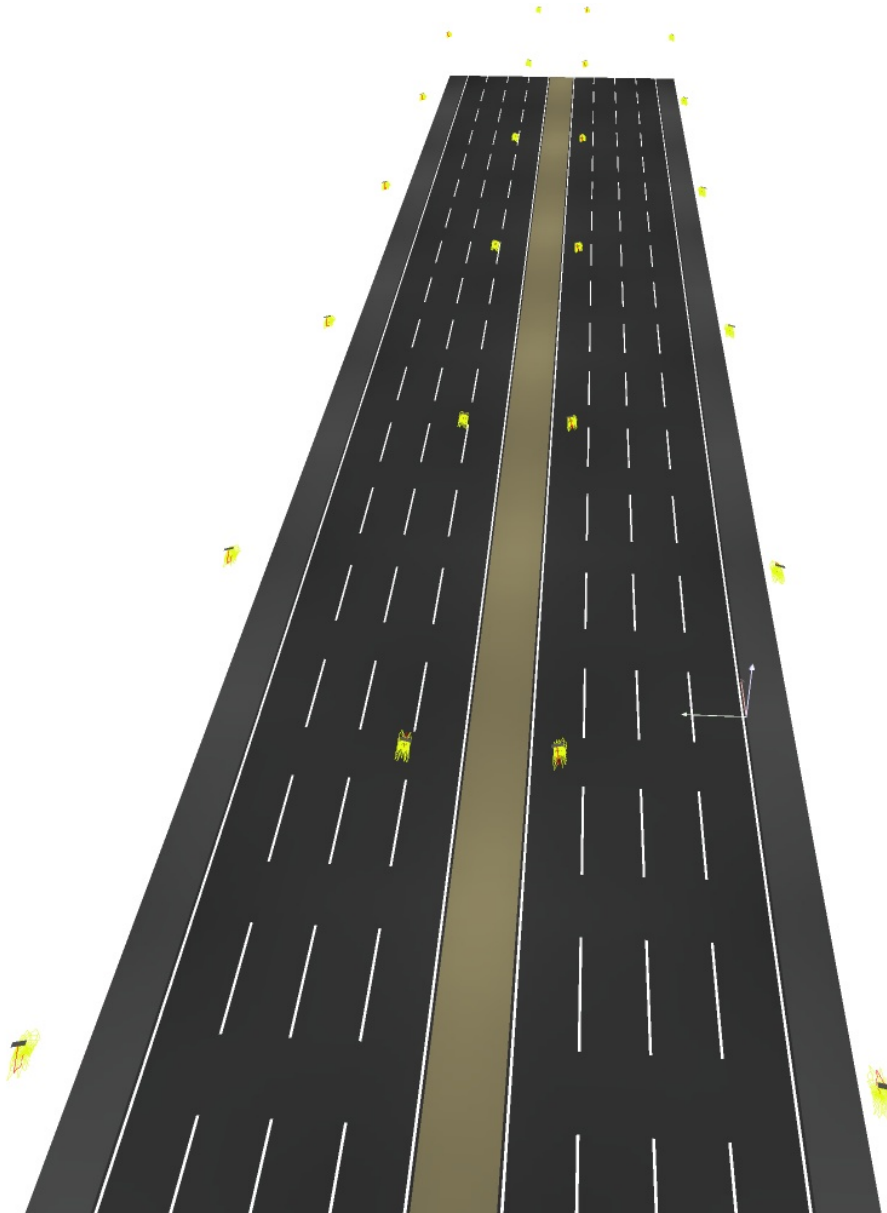
- 4 Valuation Field Emergency Lane 2
 Length: 40.000 m, Width: 3.000 m
 Grid: 14 x 3 Points
 Accompanying Street Elements: Emergency Lane 2.
 Selected Lighting Class: CE2

(All lighting performance requirements are met.)

	E_{av} [lx]	U0
Calculated values:	26	0.8
Required values according to class:	≥ 20	≥ 0.4
Fulfilled/Not fulfilled:	✓	✓

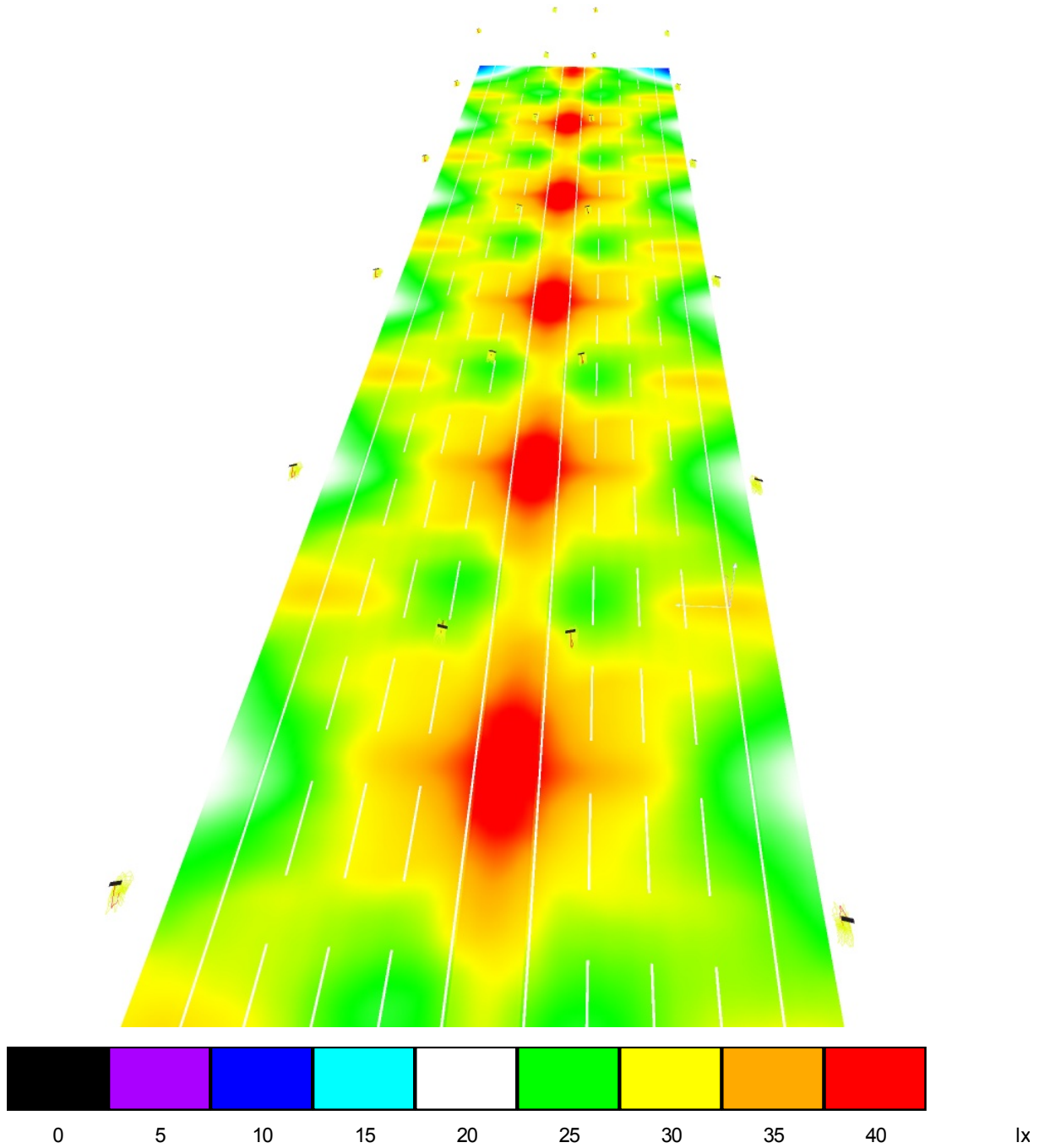
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Street 1 / 3D Rendering



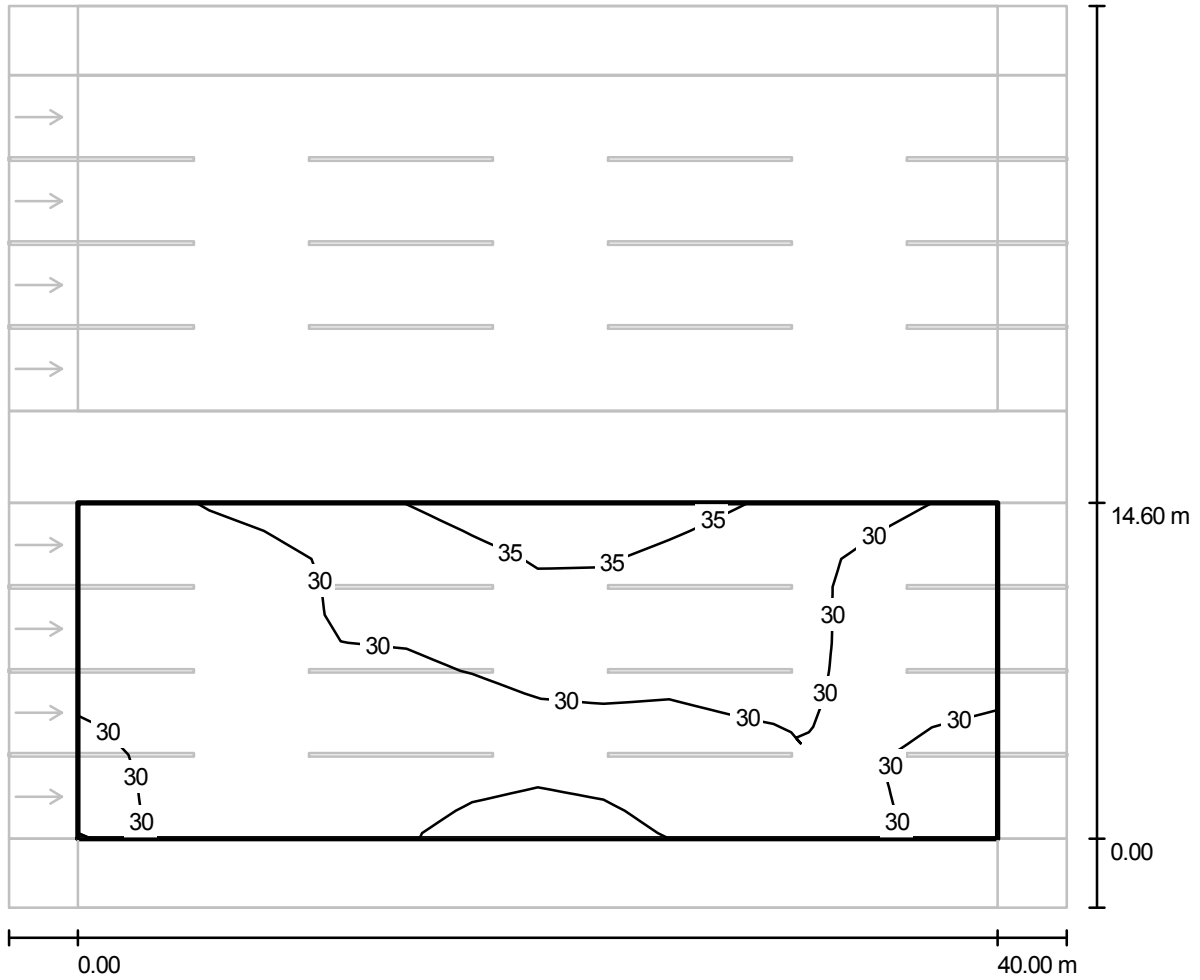
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Street 1 / False Color Rendering



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Street 1 / Valuation Field Roadway 1 / Isolines (E)



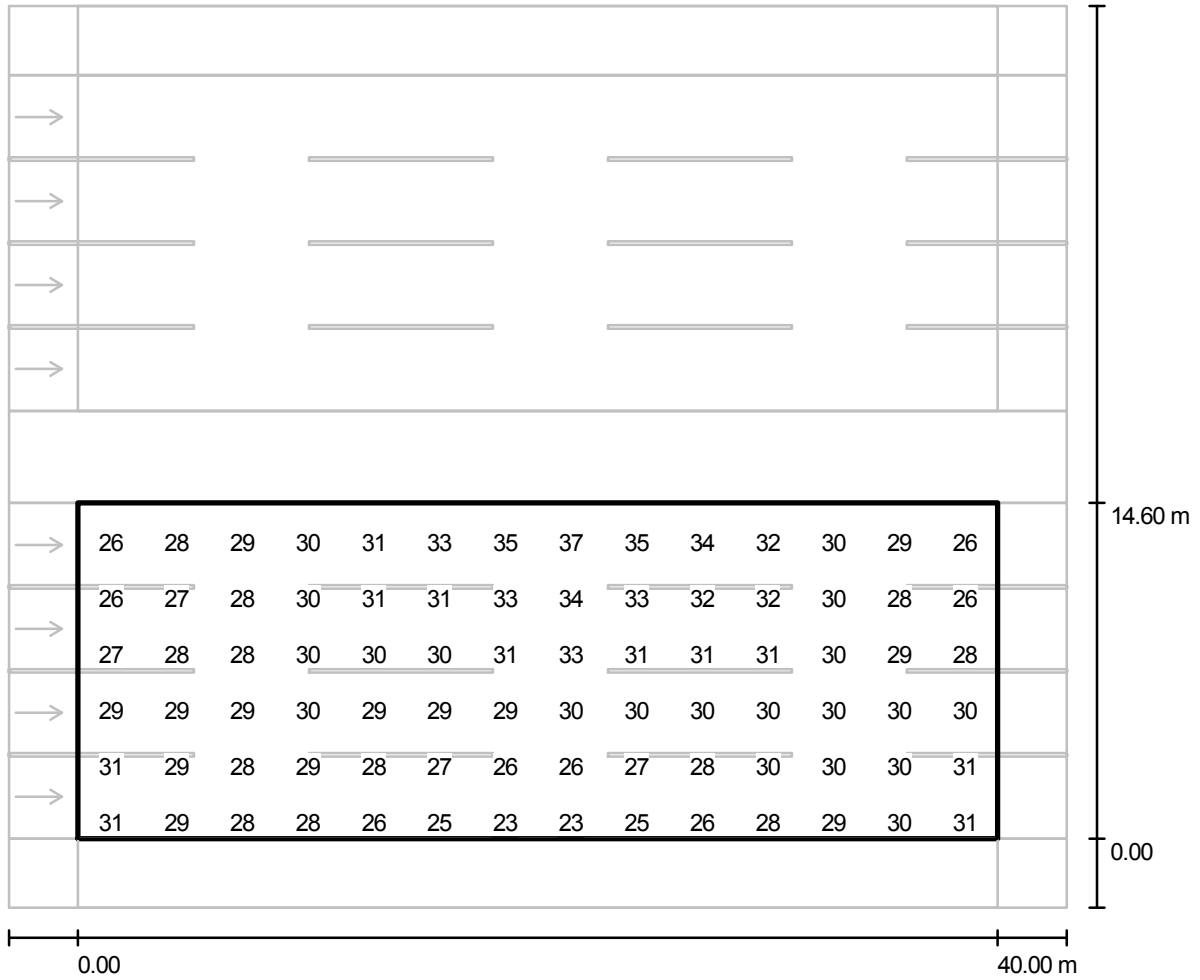
Values in Lux, Scale 1 : 329

Grid: 14 x 12 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
30	23	39	0.775	0.583

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



Values in Lux, Scale 1 : 329

Not all calculated values could be displayed.

Grid: 14 x 12 Points

E_{av} [lx]
30

E_{min} [lx]
23

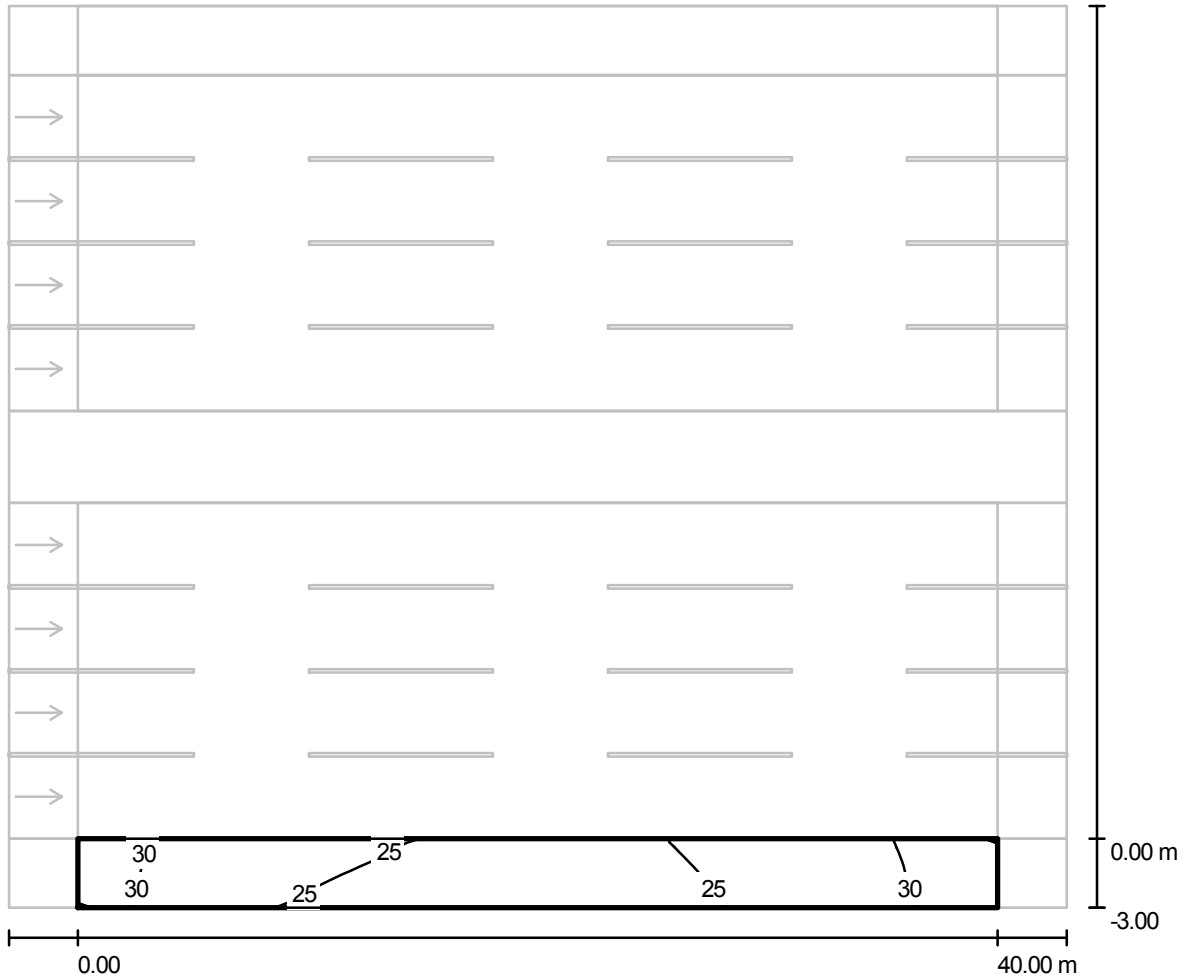
E_{max} [lx]
39

u_0
0.775

E_{min} / E_{max}
0.583

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Street 1 / Valuation Field Emergency Lane 1 / Isolines (E)



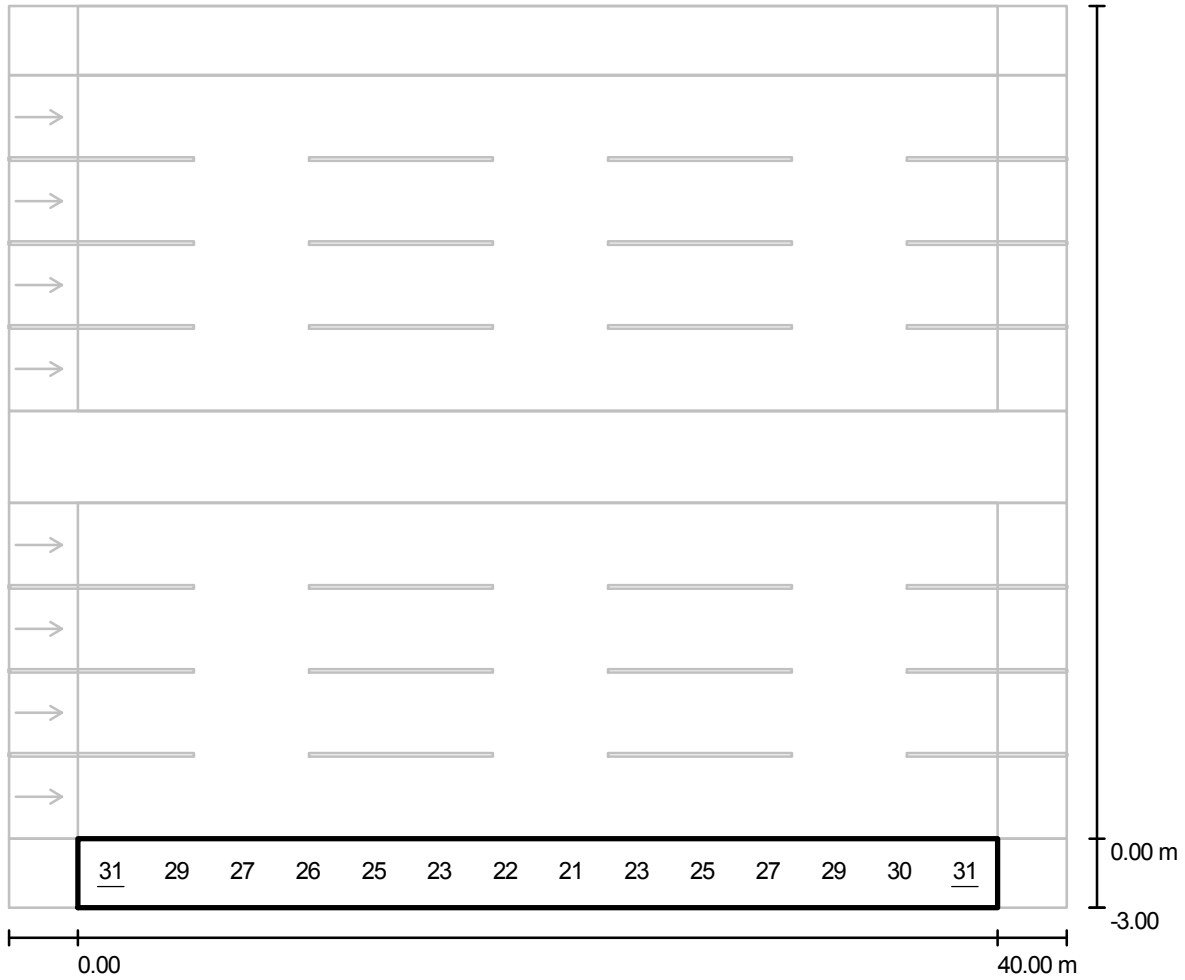
Values in Lux, Scale 1 : 329

Grid: 14 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
26	20	31	0.778	0.651

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Street 1 / Valuation Field Emergency Lane 1 / Value Chart (E)



Values in Lux, Scale 1 : 329

Not all calculated values could be displayed.

Grid: 14 x 3 Points

E_{av} [lx]	E_{min} [lx]	E_{max} [lx]	u0	E_{min} / E_{max}
26	20	31	0.778	0.651