



ORE LIGHTING INC

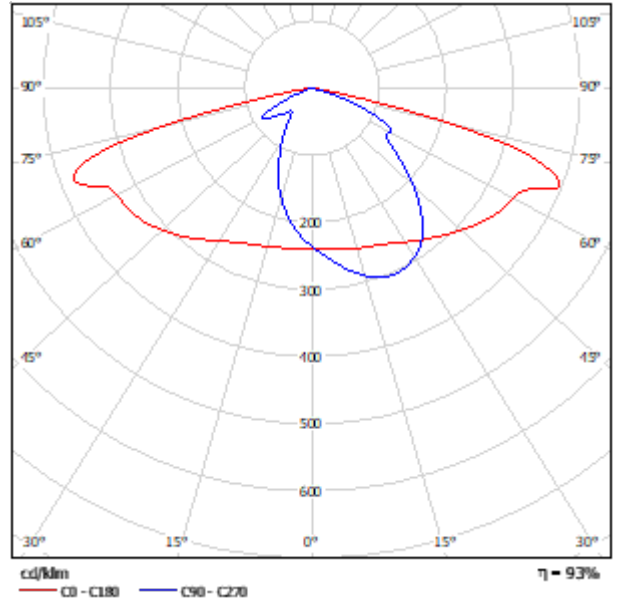
13000 Murphy Road, Suite 116, Stafford, Houston TX77477

Operator Leon Jiang  
Telephone 832-491-7887  
Fax  
e-Mail Leon@orelighting.com

### ORE Lighting INC Type3-Medium. SV-LLD240W / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 100  
CIE flux code: 38 70 96 100 94

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.



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**Roadway (Width: 1.862 ft), Number of lanes: 6, Median 1 (Width: 3.281ft) / Planning data**

**Street Profile**

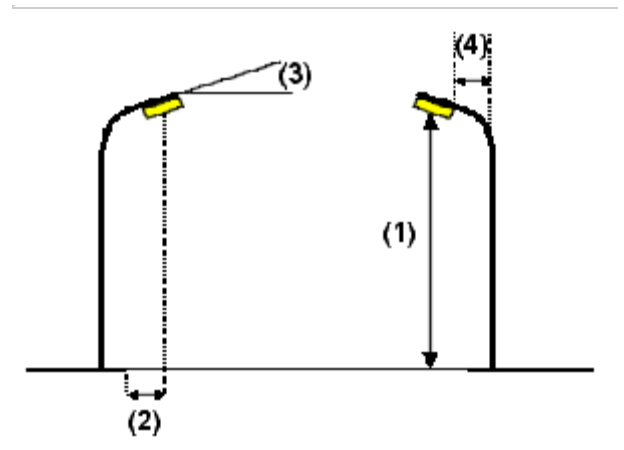
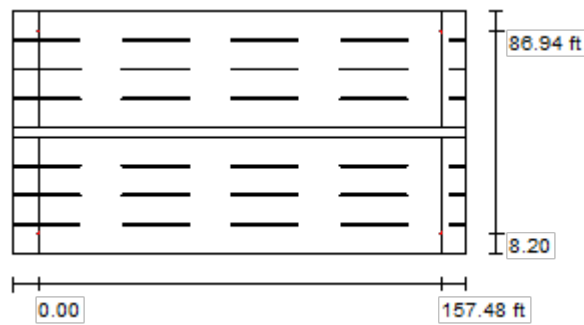
Roadway 2 (Width: 45.931 ft, Number of lanes: 4, tarmac: R3, q0: 0.070)

Median 1 (Width: 3.281 ft, Height: 0.000 ft)

Roadway 1 (Width: 45.931 ft, Number of lanes: 4, tarmac: R3, q0: 0.070)

Light loss factor: 0.67

**Luminaire Arrangements**



Luminaire: ORE Lighting INC Type3-Medium. SV-LLD240W  
 Luminous flux (Luminaire): 27913 lm  
 Luminous flux (Lamps): 30000 lm  
 Luminaire Wattage: 236.4 W  
 Arrangement: Double row, opposing  
 Pole Distance: 157.478 ft  
 Mounting Height (1): 39.370 ft  
 Height: 39.363 ft  
 Overhang (2): 8.202 ft  
 Boom Angle (3): 0.0 °  
 Boom Length (4): 8.202 ft

Maximum luminous intensities  
 at 70°: 481 cd/klm  
 at 80°: 89 cd/klm  
 at 90°: 3.36 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.



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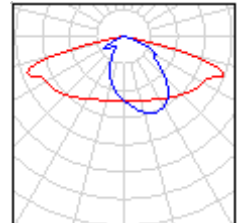
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**Roadway (Width: 1.862 ft),Number of lanes: 6,Median 1 (Width: 3.281ft) / Luminaire parts list**

ORE Lighting INC Type3-Medium. SV-LLD240W  
Article No.: Type3-Medium.  
Luminous flux (Luminaire): 27913 lm  
Luminous flux (Lamps): 30000 lm  
Luminaire Wattage: 236.4 W  
Luminaire classification according to CIE: 100  
CIE flux code: 38 70 96 100 94  
Fitting: 4 x SMD-4000K (Correction Factor 1.000).

See our luminaire catalog for an image of the luminaire.





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**Roadway (Width: 1.862 ft),Number of lanes: 6,Median 1 (Width: 3.281ft) / Photometric Results**



Light loss factor: 0.67

Scale 1:387

**Calculation Field List**

- 1 Valuation Field Roadway 2  
 Length: 157.478 ft, Width: 45.931 ft  
 Grid: 10 x 8 Points  
 Accompanying Street Elements: Roadway 2.  
 Street classification: Freeway A  
 IES method: Luminance

(All lighting performance requirements are met.)

	$L_{av}$ [cd/m <sup>2</sup> ]	$L_{av}/L_{min}$	$L_{max}/L_{min}$	$L_{v\ max}/L_{av}$
Calculated values:	1.4	1.7	2.4	0.1
Required values according to class:	$\geq 0.6$	$\leq 3.5$	$\leq 6.0$	$\leq 0.3$
Fulfilled/Not fulfilled:	✓	✓	✓	✓



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**Roadway (Width: 1.862 ft),Number of lanes: 6,Median 1 (Width: 3.281ft) / Photometric Results**

**Calculation Field List**

- 2 Valuation Field Roadway 1  
 Length: 157.478 ft, Width: 45.931 ft  
 Grid: 10 x 8 Points  
 Accompanying Street Elements: Roadway 1.  
 Street classification: Freeway A  
 IES method: Luminance

(All lighting performance requirements are met.)

	$L_{av}$ [cd/m <sup>2</sup> ]	$L_{av}/L_{min}$	$L_{max}/L_{min}$	$L_{v max}/L_{av}$
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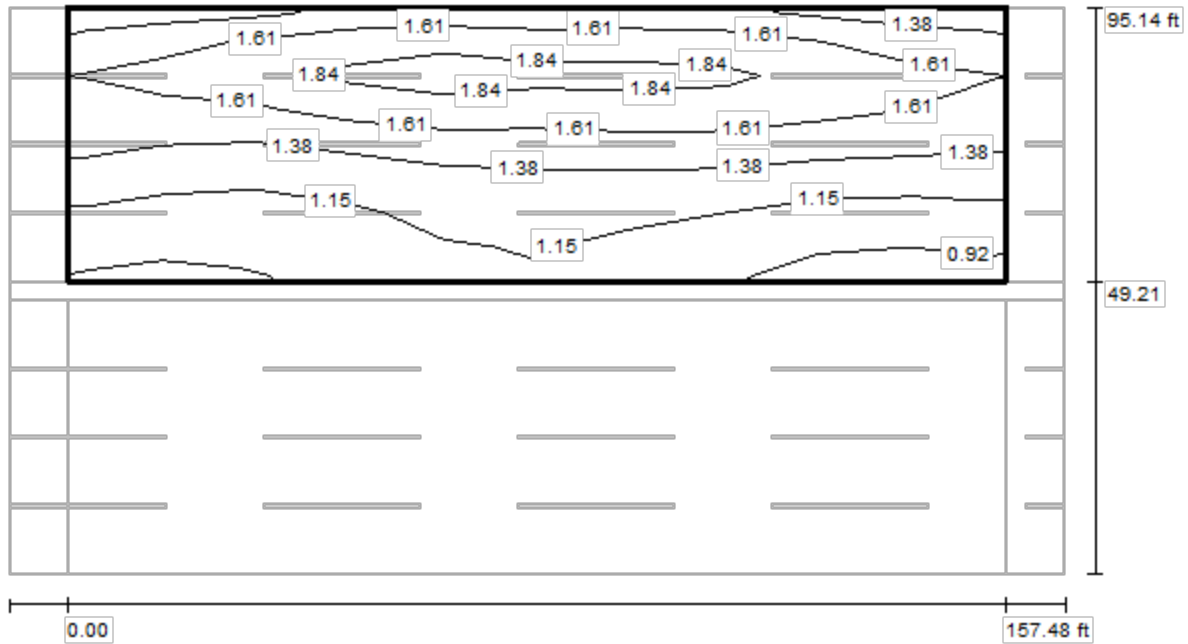


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**Roadway (Width: 1.862 ft), Number of lanes: 6, Median 1 (Width: 3.281ft) / Valuation  
 Field Roadway 2 / Isolines (L, IESNA RP-8-00)**



Values in Candela/m<sup>2</sup>, Scale 1 : 387

Grid: 10 x 8 Points

$L_{av}$  [cd/m<sup>2</sup>]  
1.40

$L_{min}$  [cd/m<sup>2</sup>]  
0.85

$L_{max}$  [cd/m<sup>2</sup>]  
2.02

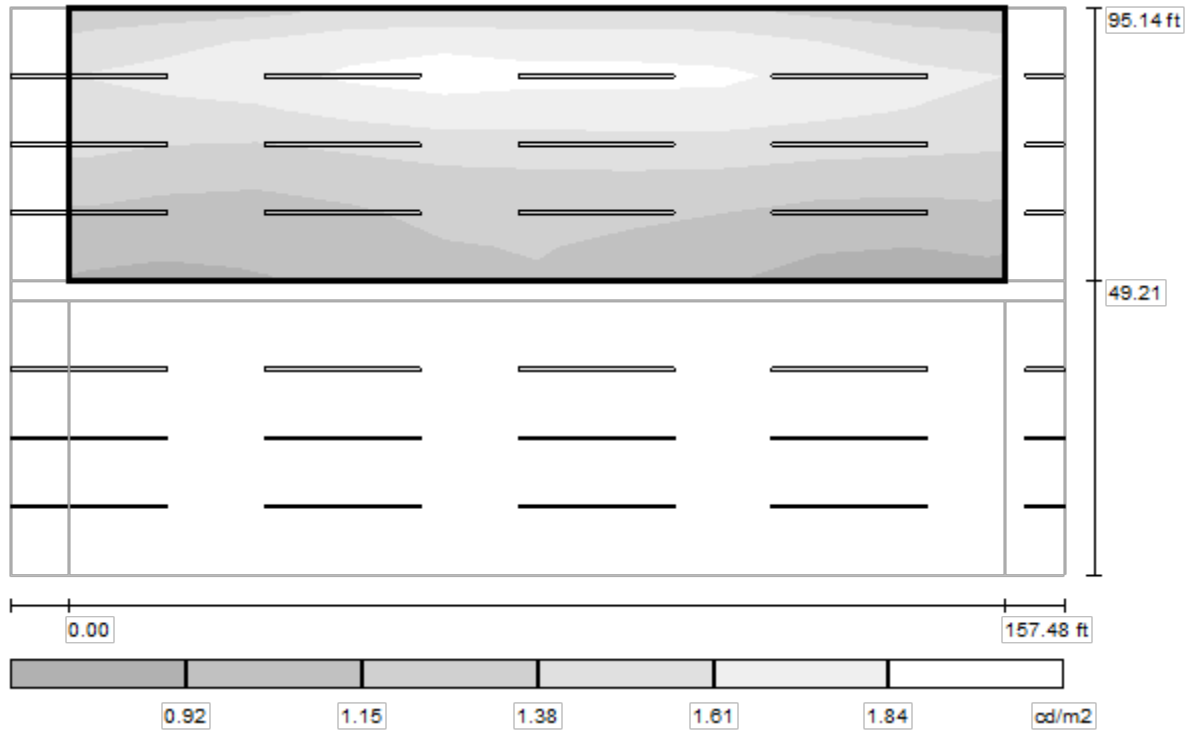


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### Roadway (Width: 1.862 ft), Number of lanes: 6, Median 1 (Width: 3.281ft) / Valuation Field Roadway 2 / Greyscale (L, IESNA RP-8-00)



Scale 1 : 387

Grid: 10 x 8 Points

$L_{av}$  [cd/m<sup>2</sup>]  
1.40

$L_{min}$  [cd/m<sup>2</sup>]  
0.85

$L_{max}$  [cd/m<sup>2</sup>]  
2.02

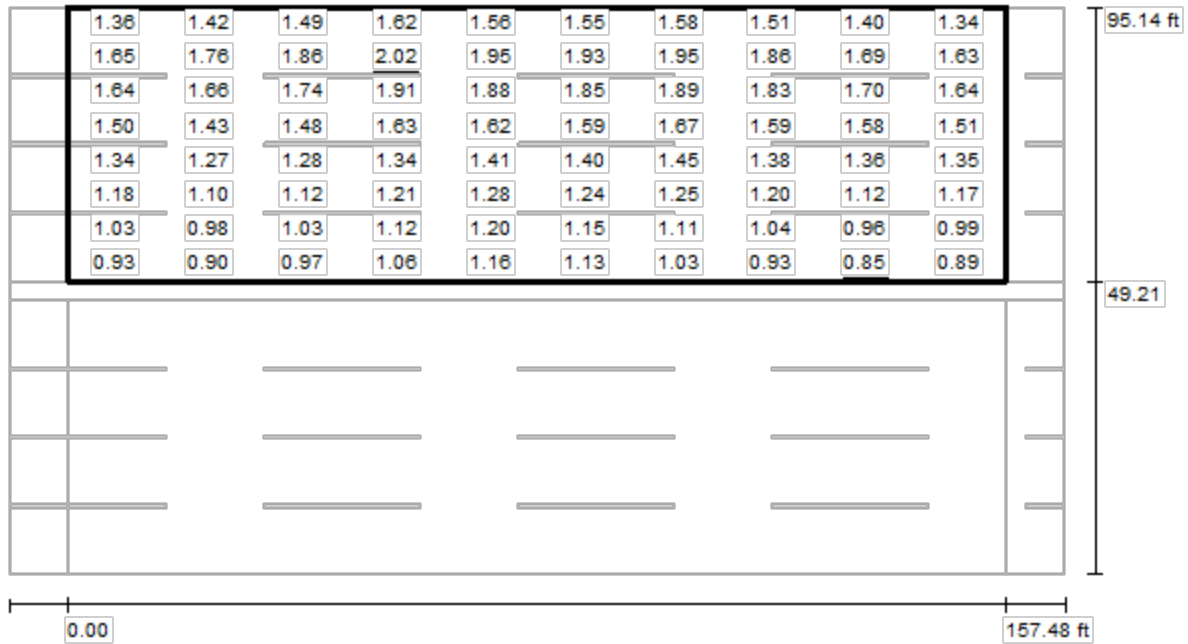


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## Roadway (Width: 1.862 ft), Number of lanes: 6, Median 1 (Width: 3.281ft) / Valuation Field Roadway 2 / Value chart (L, IESNA RP-8-00)



Values in Candela/m<sup>2</sup>, Scale 1 : 387

Grid: 10 x 8 Points

$L_{av}$  [cd/m<sup>2</sup>]  
1.40

$L_{min}$  [cd/m<sup>2</sup>]  
0.85

$L_{max}$  [cd/m<sup>2</sup>]  
2.02



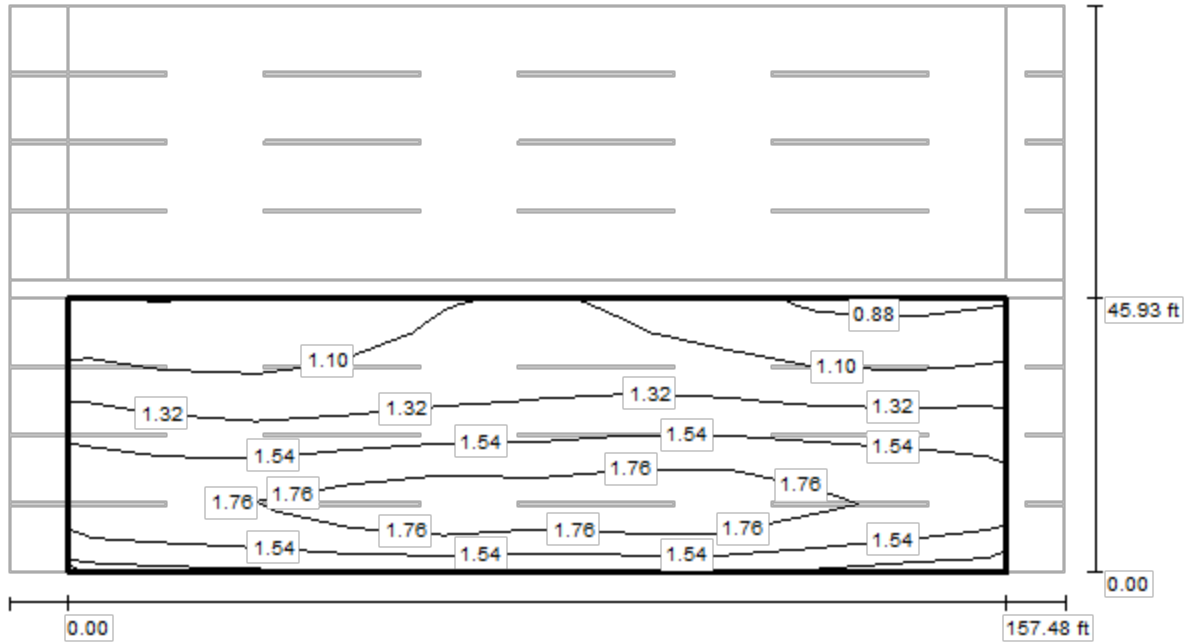


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 Field Roadway 1 / Isolines (L, IESNA RP-8-00)**



Values in Candela/m², Scale 1 : 387

Grid: 10 x 8 Points

$L_{av}$  [cd/m²]  
1.42

$L_{min}$  [cd/m²]  
0.86

$L_{max}$  [cd/m²]  
1.97

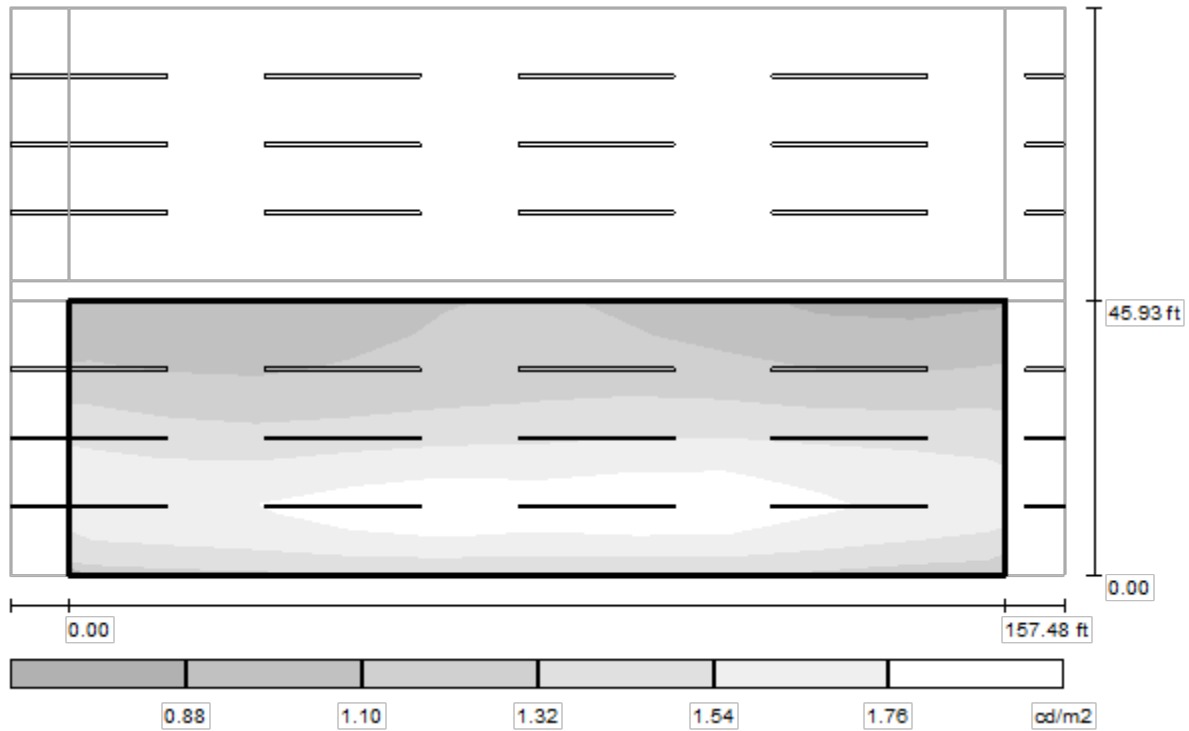


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Scale 1 : 387

Grid: 10 x 8 Points

$L_{av}$  [cd/m<sup>2</sup>]  
1.42

$L_{min}$  [cd/m<sup>2</sup>]  
0.86

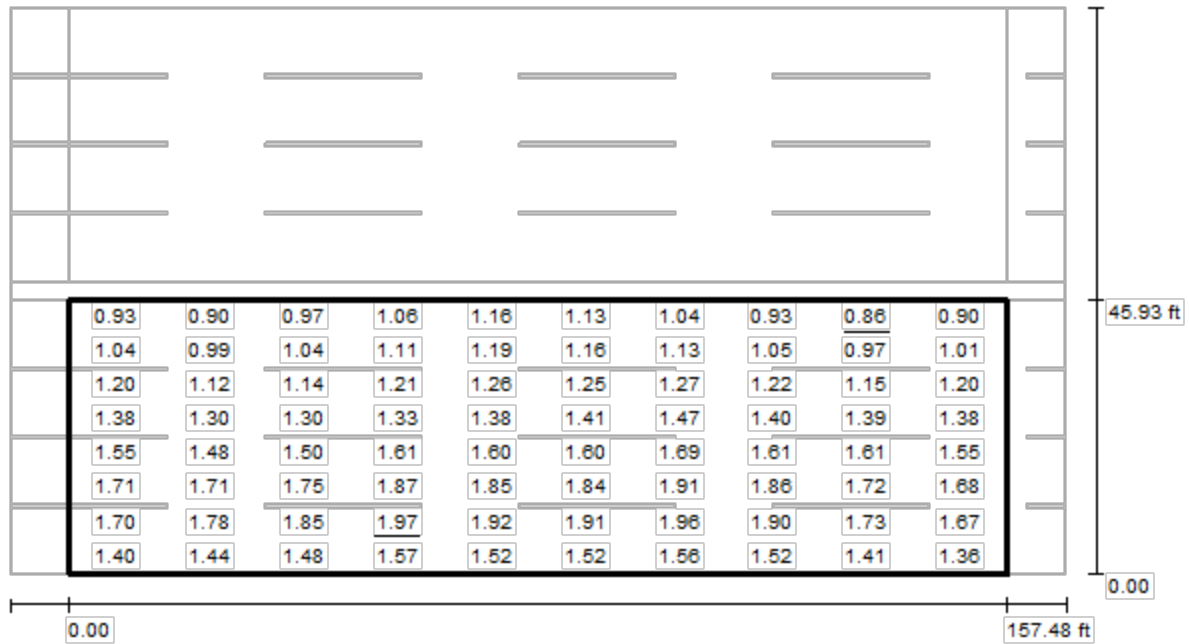
$L_{max}$  [cd/m<sup>2</sup>]  
1.97

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**Roadway (Width: 1.862 ft),Number of lanes: 6,Median 1 (Width: 3.281ft) / Valuation  
 Field Roadway 1 / Value chart (L, IESNA RP-8-00)**



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