

Scaled data based on original data using
LM-31-95 IESNA Approved Method for Photometric Testing of Roadway Luminaires
Using Incandescent Filament and High Intensity Discharge Lamps

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: 246p110

Luminaire Tested: **1206-50MR-12-CS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-31-95
Report Number: 246p110
Test Lab: METALUX RESEARCH LABS
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1206-50MR-12-CS
Description: ZUMA 1206 SERIES STEP LUMINAIRE
Light Source: ONE - MR1612V - 800 LUMENS - 50 WATTS
Ballast/Driver: -

Summary

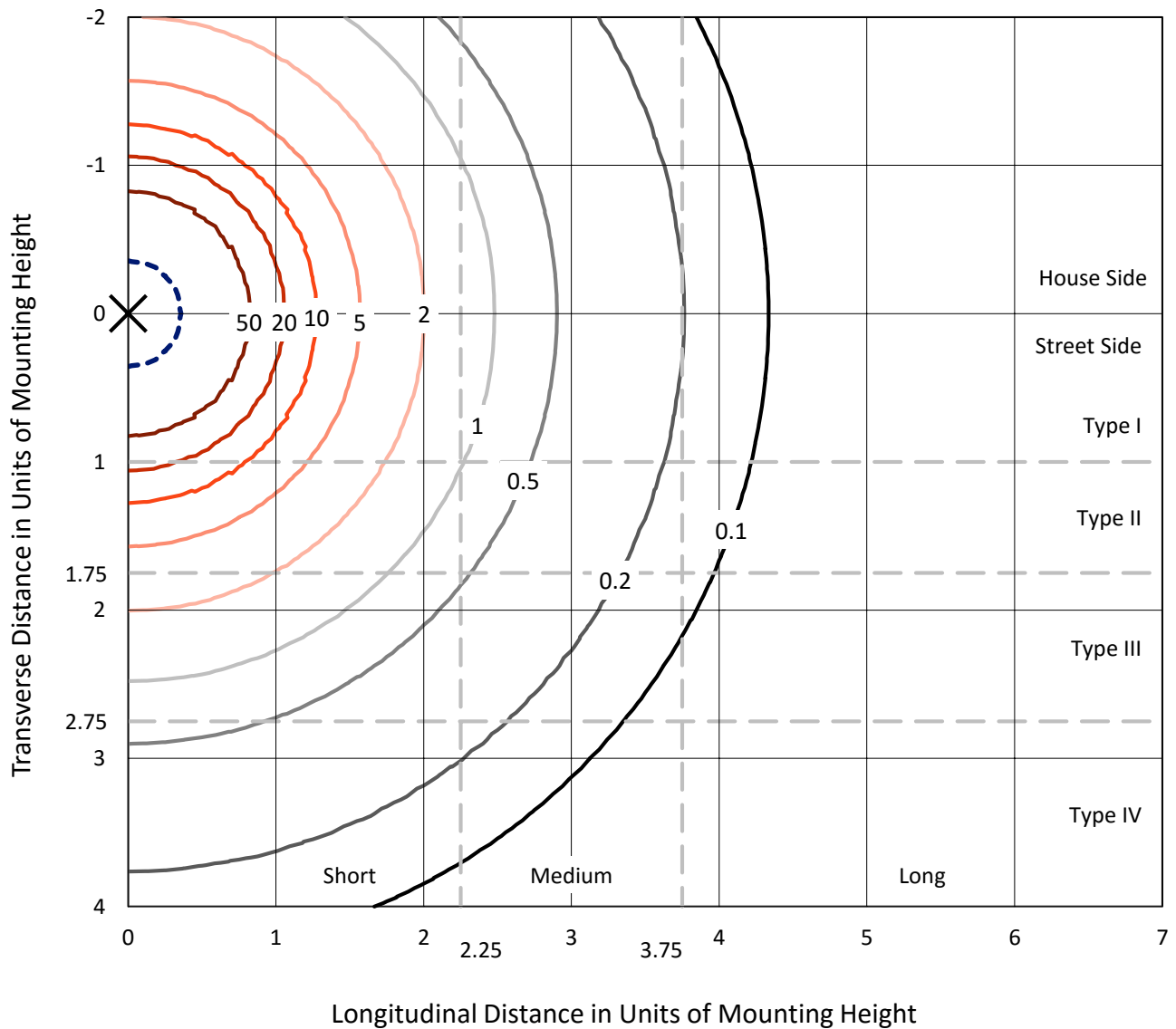
Lumens per Lamp: 800 (1 lamp)
Luminaire Lumens: 188.8 lumens
Efficiency: 23.6%
Efficacy: 3.8 lumens/watt
Luminous Opening: Rectangular (W 0.16' x L: 0.07' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B0 - U0 - G0

Input Watts (W): 50
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

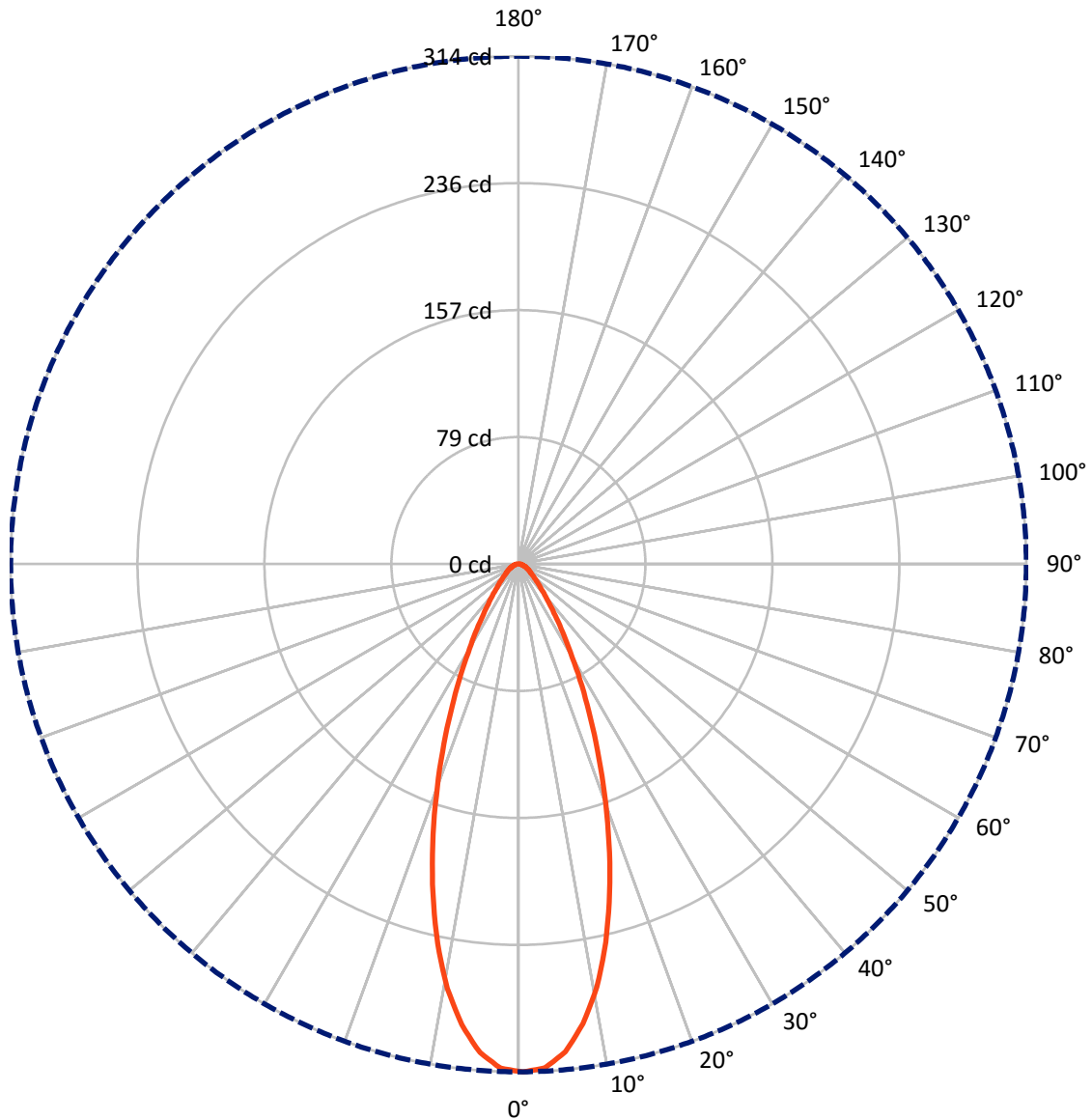
× Max cd
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 1256 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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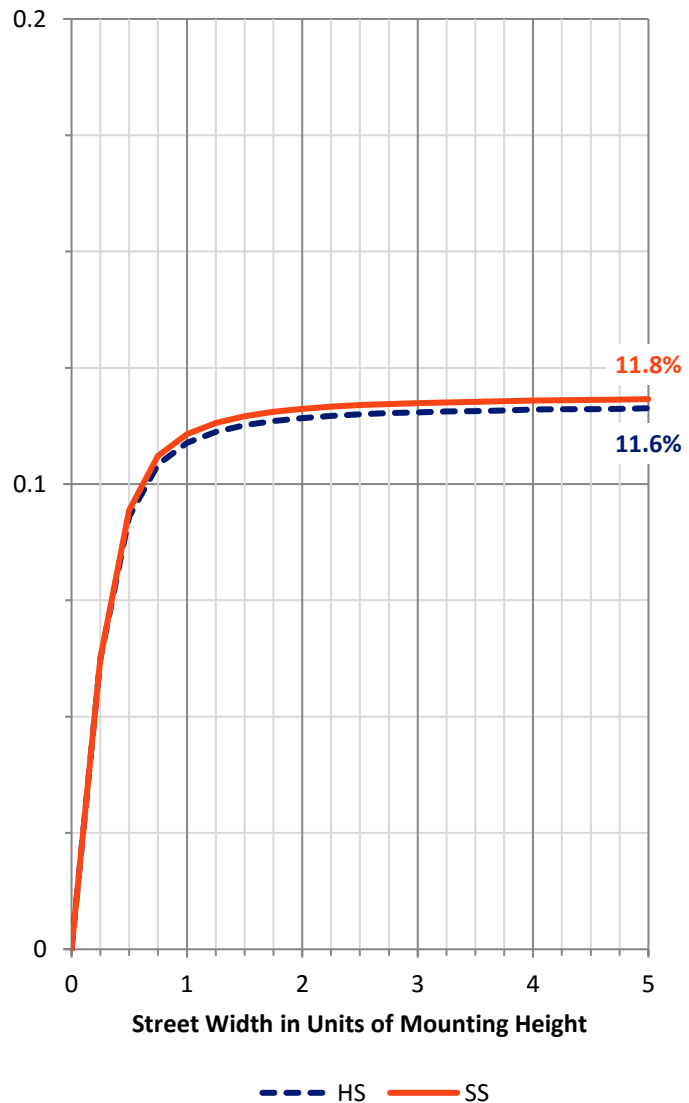
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	94.4	0.0	94.4
	% Lamp	11.8	0.0	11.8
Street Side	Lumens	94.4	0.0	94.4
	% Lamp	11.8	0.0	11.8
Total	Lumens	188.8	0.0	188.8
	% Lamp	23.6	0.0	23.6

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	27.7	14.7	3.5
10°-20°	57.9	30.7	7.2
20°-30°	46.8	24.8	5.8
30°-40°	25.3	13.4	3.2
40°-50°	13.3	7.1	1.7
50°-60°	8.1	4.3	1.0
60°-70°	5.3	2.8	0.7
70°-80°	2.9	1.5	0.4
80°-90°	1.4	0.7	0.2
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	188.8	100.0	23.6
0°-180°	188.8	100.0	23.6



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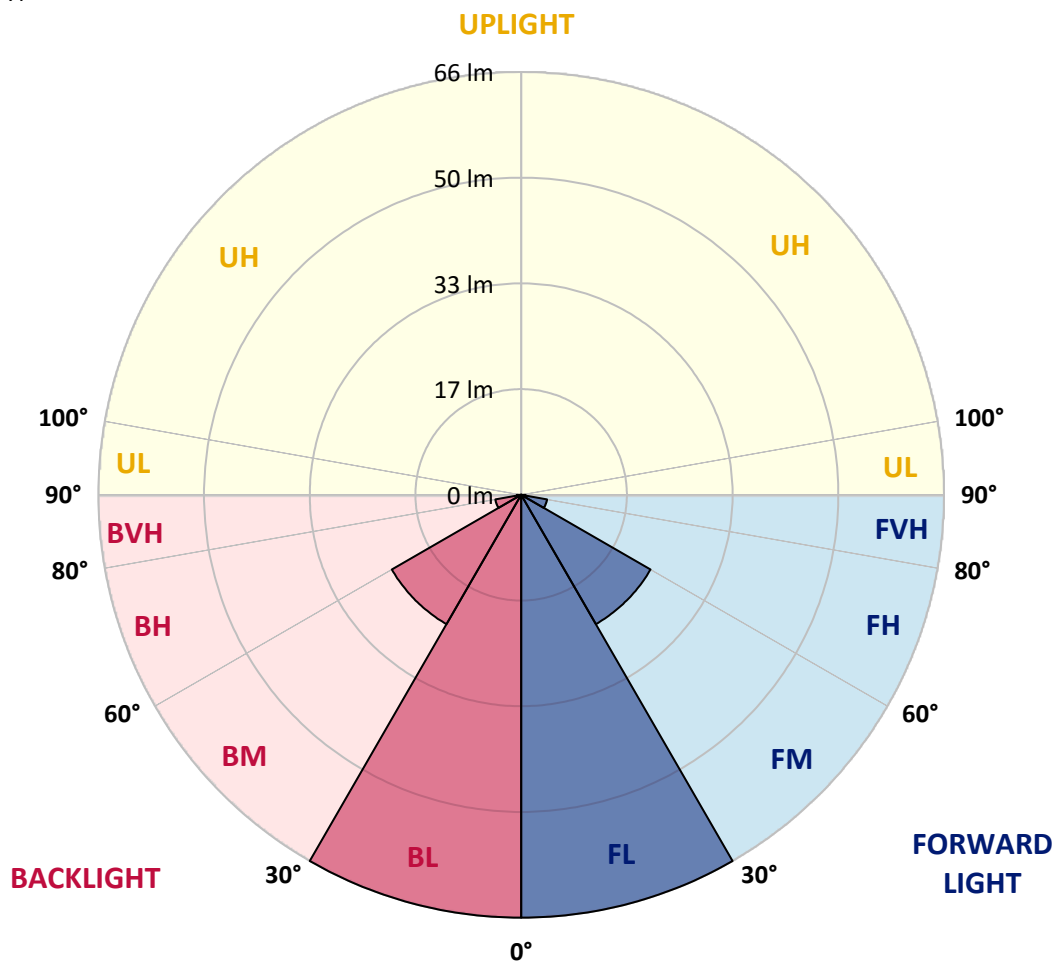
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.2	8.3			
FM (30°-60°)	23.4	2.9			
FH (60°-80°)	4.1	0.5			G0/660
FVH (80°-90°)	0.7	0.1			G0/10
BL (0°-30°)	66.2	8.3	B0/110		
BM (30°-60°)	23.4	2.9	B0/220		
BH (60°-80°)	4.1	0.5	B0/110		G0/660
BVH (80°-90°)	0.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	611.2	76.4			

BUG Rating: B0-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	314
2.5°	312
5°	303
7.5°	287
10°	266
12.5°	240
15°	211
17.5°	181
20°	152
22.5°	125
25°	101
27.5°	81
30°	63
32.5°	50
35°	39
37.5°	31
40°	25
42.5°	20
45°	17
47.5°	14
50°	12
52.5°	10
55°	9
57.5°	8
60°	7
62.5°	6
65°	5
67.5°	5
70°	4
72.5°	3
75°	3
77.5°	2
80°	2
82.5°	2
85°	1
87.5°	1
90°	0

(END OF REPORT)