

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P887644

Luminaire Tested: **TT-D2-830-U-MQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D2-830-U-MQ-TC
Description: MQ
3000K, 80 CRI LEDS, MEDIUM DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4128 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 39.2
Input Voltage (V): 120.0
Input Current (Ain): 0.33
Voltage Rise (V): NR
Power Factor: 0.972
Total Harmonic Distortion (THDi): 15.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

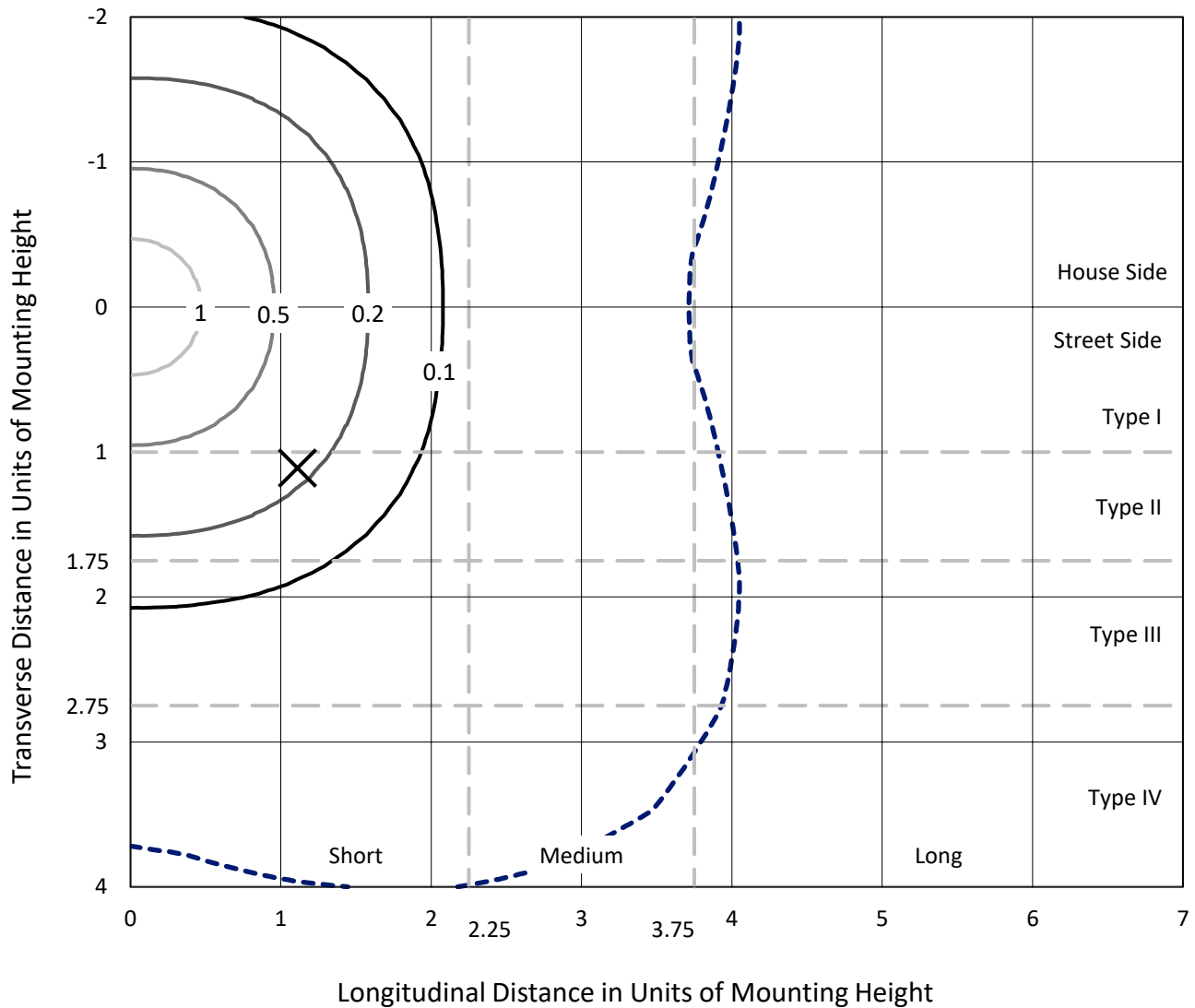


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

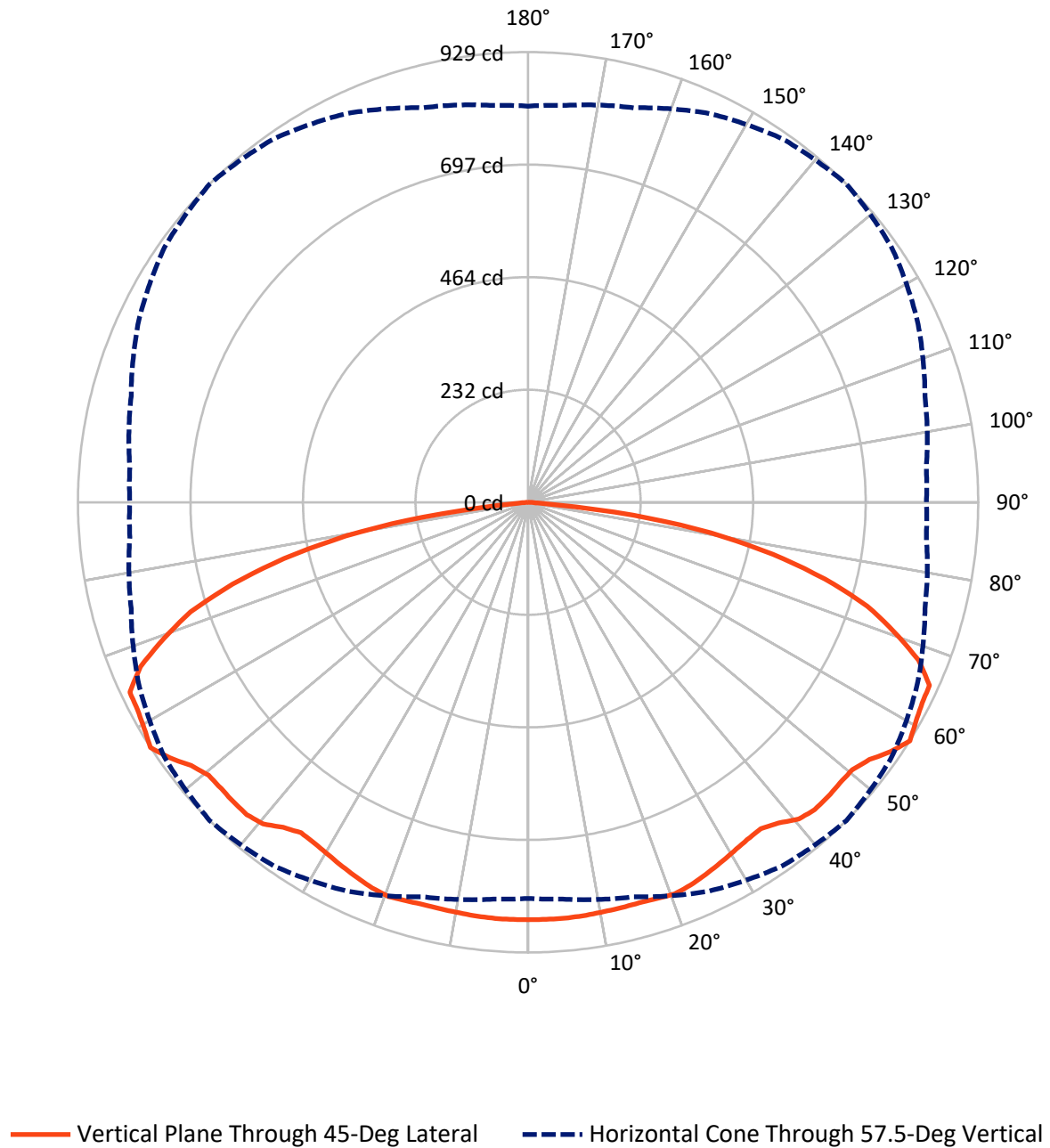


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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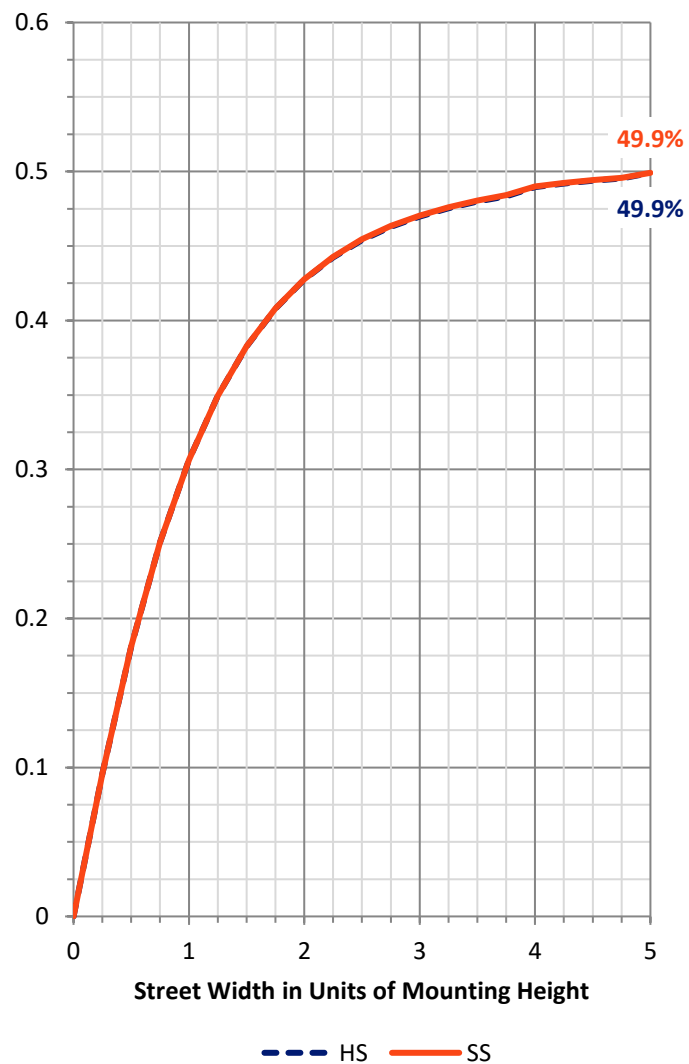
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2064.0	0.0	2064.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2064.0	0.0	2064.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4128.0	0.0	4128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	2.0
10°-20°	243.3	5.9
20°-30°	392.2	9.5
30°-40°	520.5	12.6
40°-50°	653.8	15.8
50°-60°	771.0	18.7
60°-70°	809.3	19.6
70°-80°	568.8	13.8
80°-90°	87.0	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4128.0	100.0
0°-180°	4128.0	100.0

Coefficient of Utilization



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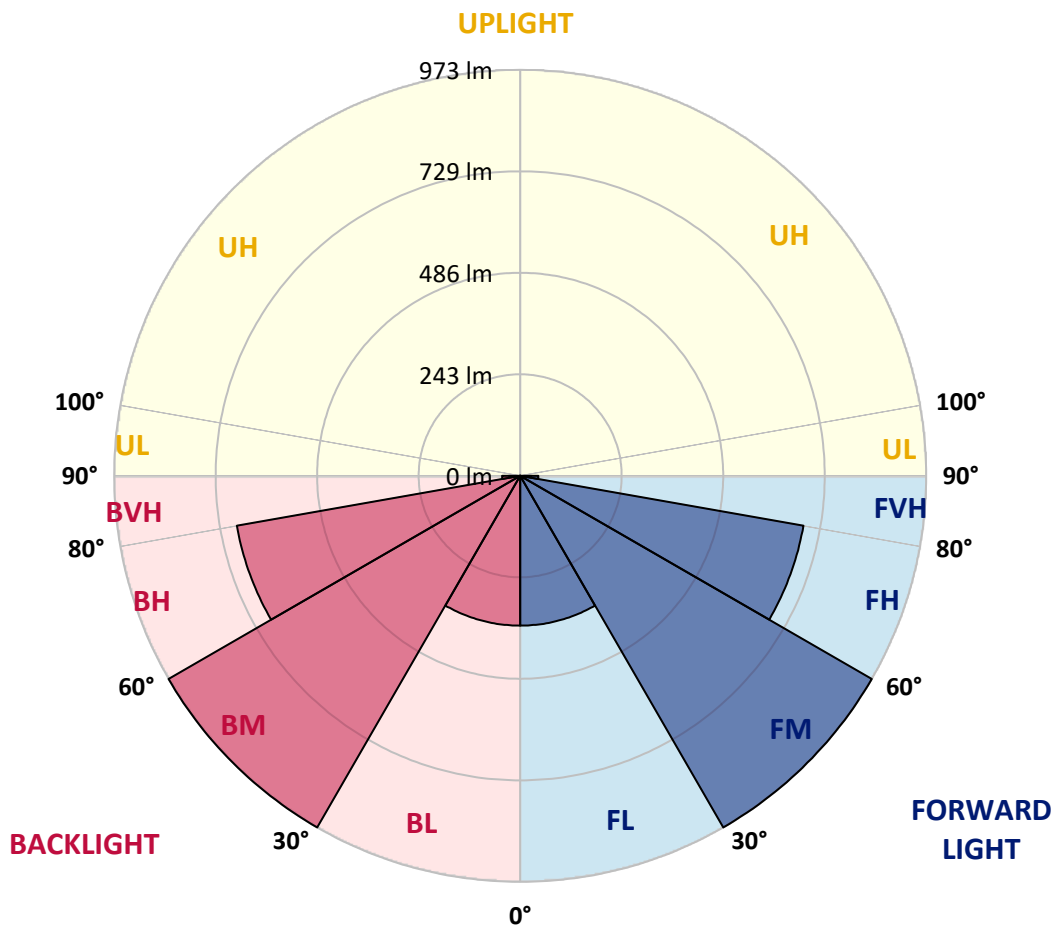
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.8	8.7			
FM	(30°-60°)	972.6	23.6			
FH	(60°-80°)	689.1	16.7			G1/1800
FVH	(80°-90°)	43.5	1.1			G1/100
BL	(0°-30°)	358.8	8.7	B1/500		
BM	(30°-60°)	972.6	23.6	B1/1000		
BH	(60°-80°)	689.1	16.7	B2/1000		G1/1800
BVH	(80°-90°)	43.5	1.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3
2.5°	862.0	862.0	862.0	861.3	860.5	861.3	860.5	861.3	861.3	861.3	862.0
5°	862.0	862.0	862.0	861.3	861.3	861.3	861.3	861.3	861.3	861.3	861.3
7.5°	861.3	861.3	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5	860.5
10°	860.5	860.5	859.8	859.8	859.0	859.0	859.0	859.8	859.8	859.8	859.8
12.5°	858.3	859.0	859.0	858.3	858.3	858.3	857.6	858.3	858.3	857.6	857.6
15°	856.8	857.6	857.6	857.6	857.6	857.6	856.8	857.6	856.8	856.8	856.8
17.5°	856.8	856.8	857.6	858.3	859.0	859.8	858.3	858.3	856.8	856.1	856.1
20°	858.3	858.3	859.0	859.8	862.0	862.8	862.0	859.8	859.0	857.6	857.6
22.5°	853.8	854.6	855.3	855.3	856.8	858.3	857.6	856.1	854.6	853.8	853.8
25°	847.9	847.9	847.9	849.4	850.9	850.9	850.1	849.4	847.9	847.2	847.2
27.5°	839.7	839.0	839.7	841.2	842.7	843.4	842.7	841.9	839.7	839.7	839.0
30°	830.8	830.1	831.5	833.0	835.3	836.0	835.3	833.8	831.5	830.8	830.1
32.5°	821.9	821.9	823.4	825.6	828.6	830.1	828.6	827.1	823.4	821.9	821.9
35°	813.7	813.7	817.4	821.9	825.6	827.1	825.6	823.4	818.9	815.2	815.2
37.5°	814.5	815.9	821.1	831.5	837.5	839.7	838.2	831.5	824.1	818.2	815.9
40°	825.6	827.1	836.0	846.4	856.1	859.8	856.8	847.9	837.5	828.6	827.1
42.5°	826.3	827.1	837.5	850.9	862.0	867.2	863.5	852.4	839.7	829.3	827.8
45°	820.4	822.6	834.5	850.1	862.0	867.2	862.0	852.4	836.7	824.9	824.1
47.5°	814.5	815.9	829.3	846.4	860.5	865.7	861.3	847.9	830.8	818.2	817.4
50°	810.0	811.5	823.4	845.7	861.3	867.2	862.0	847.9	827.1	814.5	813.7
52.5°	808.5	810.0	829.3	853.1	876.9	882.1	876.1	854.6	832.3	813.0	813.0
55°	812.2	813.0	839.0	874.6	896.9	908.1	898.4	875.4	844.2	818.9	815.9
57.5°	817.4	821.9	842.7	885.1	915.5	928.9	916.3	886.5	847.9	824.9	821.9
60°	799.6	806.3	835.3	871.7	906.6	919.2	908.8	876.1	835.3	805.5	804.8
62.5°	767.6	770.6	810.0	856.1	896.2	912.5	898.4	862.8	813.0	781.8	778.0
65°	758.7	762.4	790.7	847.9	889.5	910.3	896.2	852.4	795.1	761.7	758.7
67.5°	704.5	712.6	753.5	804.1	850.9	868.7	855.3	816.7	753.5	712.6	706.7
70°	639.8	649.5	688.1	743.9	783.2	801.8	785.5	754.3	687.4	648.0	641.3
72.5°	564.8	570.7	615.3	660.6	709.7	732.0	711.2	671.0	613.1	565.5	562.5
75°	461.5	471.9	521.7	563.3	609.4	633.1	617.5	570.7	515.7	464.4	460.7
77.5°	353.0	356.7	408.0	456.3	494.9	516.5	503.8	459.2	402.8	352.2	347.8
80°	234.1	237.1	277.9	321.8	358.9	382.7	367.8	327.7	266.0	229.6	224.4
82.5°	101.1	103.3	127.8	165.0	198.4	219.2	207.3	169.4	117.4	95.1	89.9
85°	8.2	7.4	8.2	9.7	9.7	20.1	17.1	14.9	5.9	7.4	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)