

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: P887616

Luminaire Tested: **TT-D2-735-U-WQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-D2-735-U-WQ-TC
Description: WQ
3500K, 70 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4289 lumens
Efficiency: N/A
Efficacy: 109.4 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



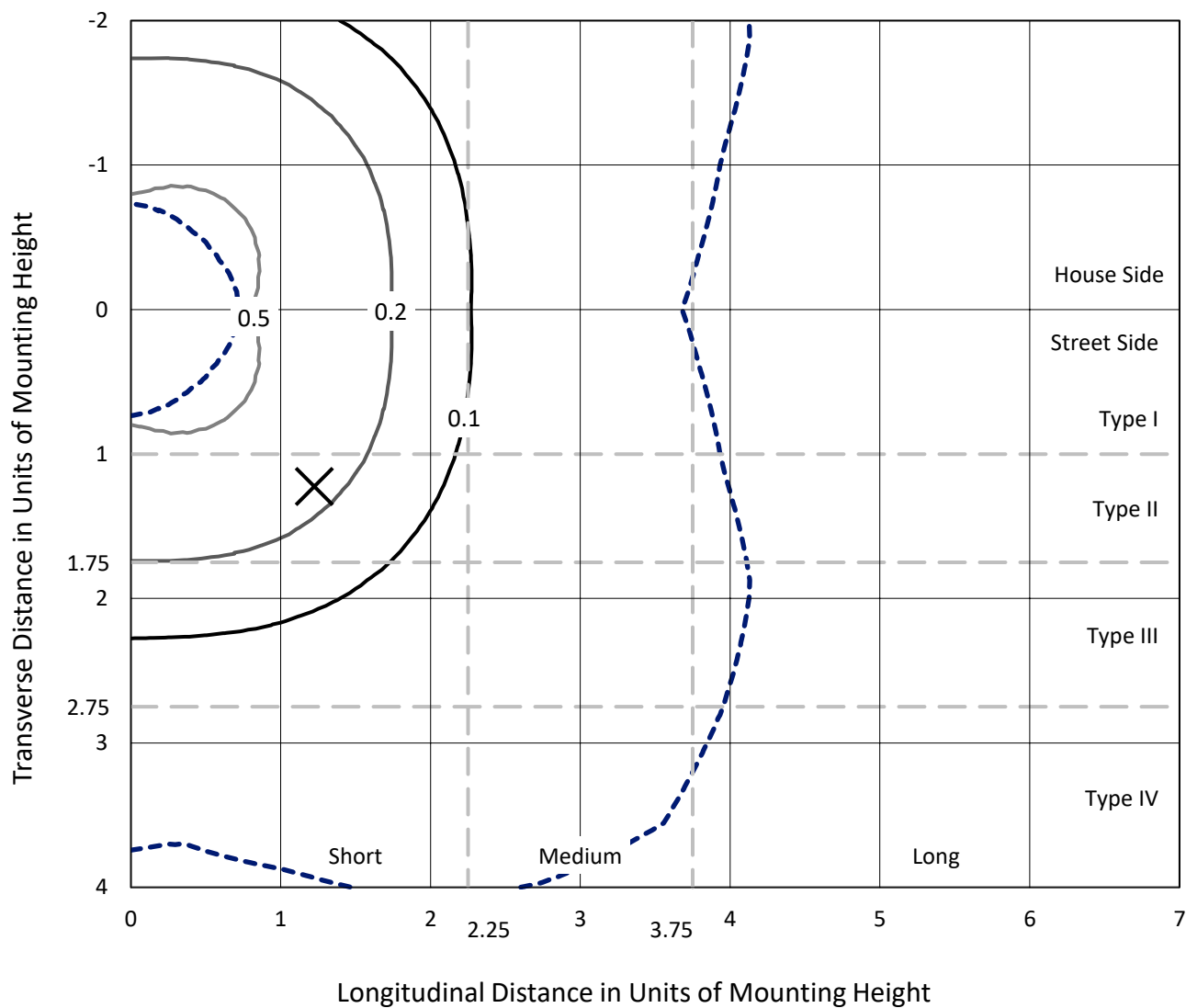
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

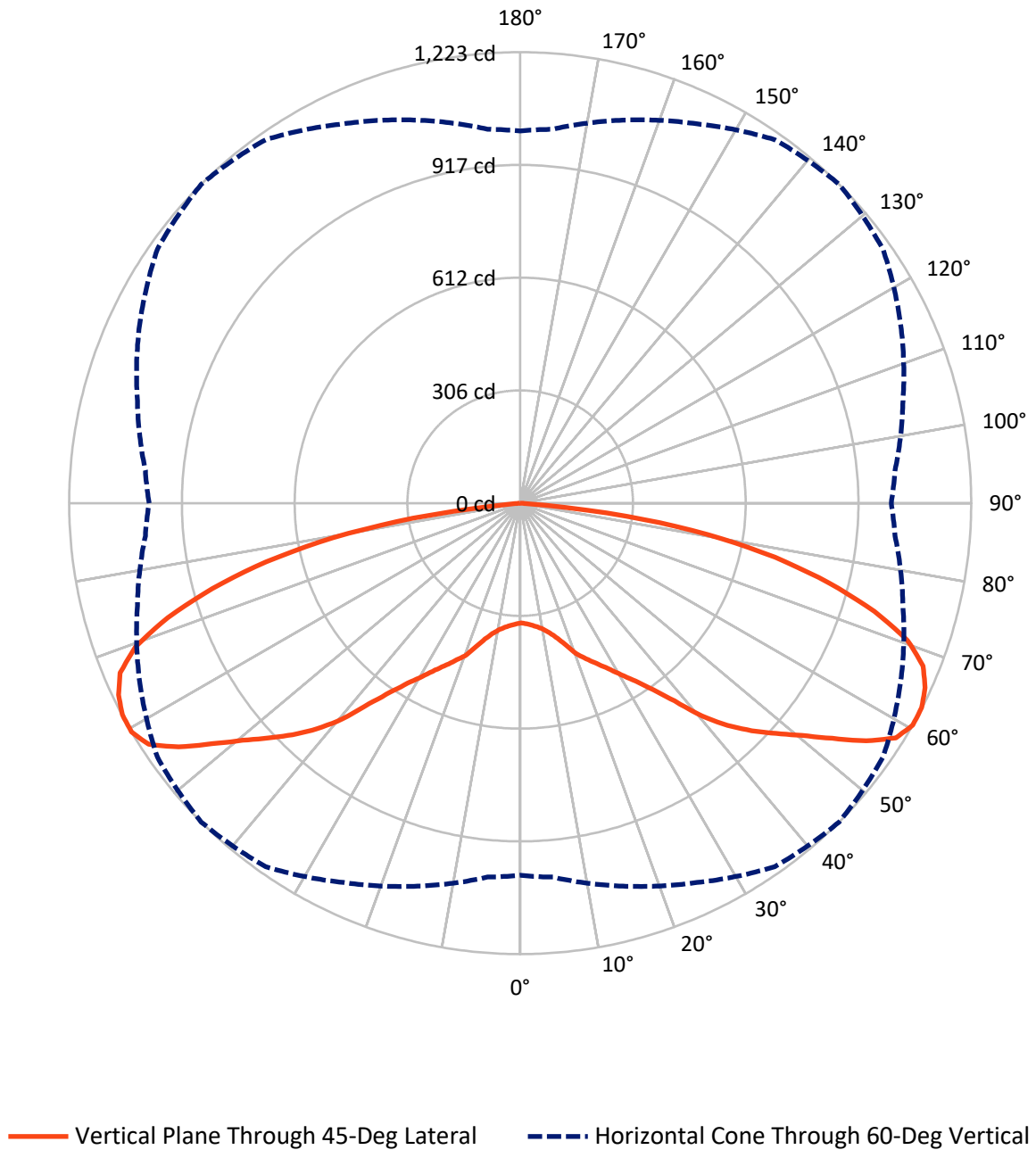
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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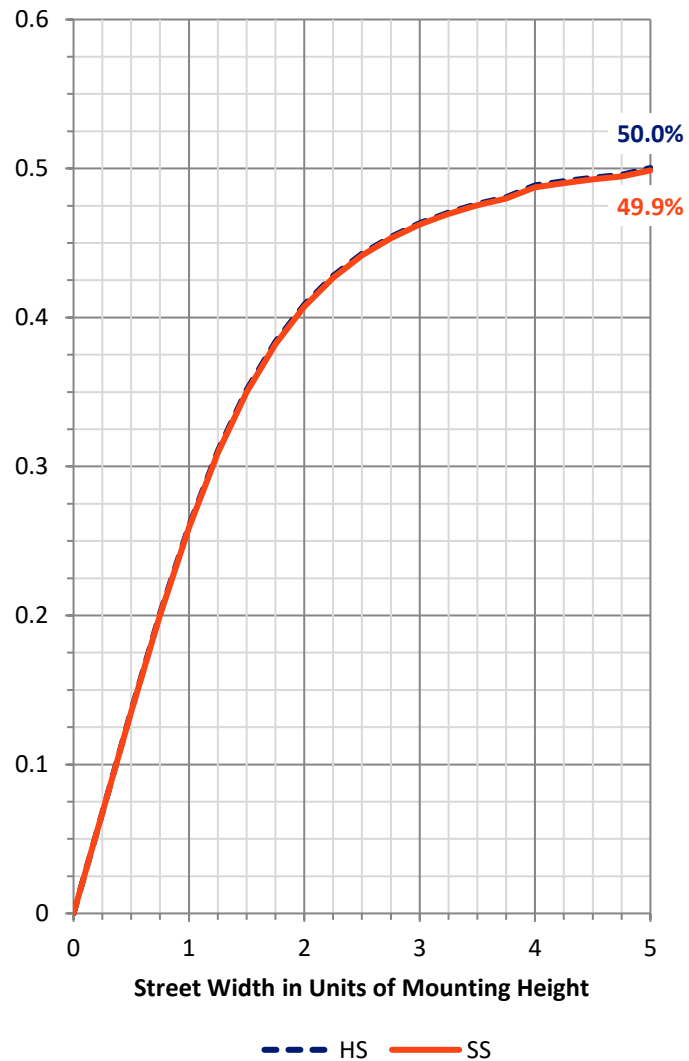
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2144.5	0.0	2144.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2144.5	0.0	2144.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4289.0	0.0	4289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	0.8
10°-20°	109.9	2.6
20°-30°	223.1	5.2
30°-40°	389.2	9.1
40°-50°	649.9	15.2
50°-60°	941.6	22.0
60°-70°	1071.5	25.0
70°-80°	762.5	17.8
80°-90°	109.1	2.5
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°	4289.0	100.0
0°-180°	4289.0	100.0

Coefficient of Utilization



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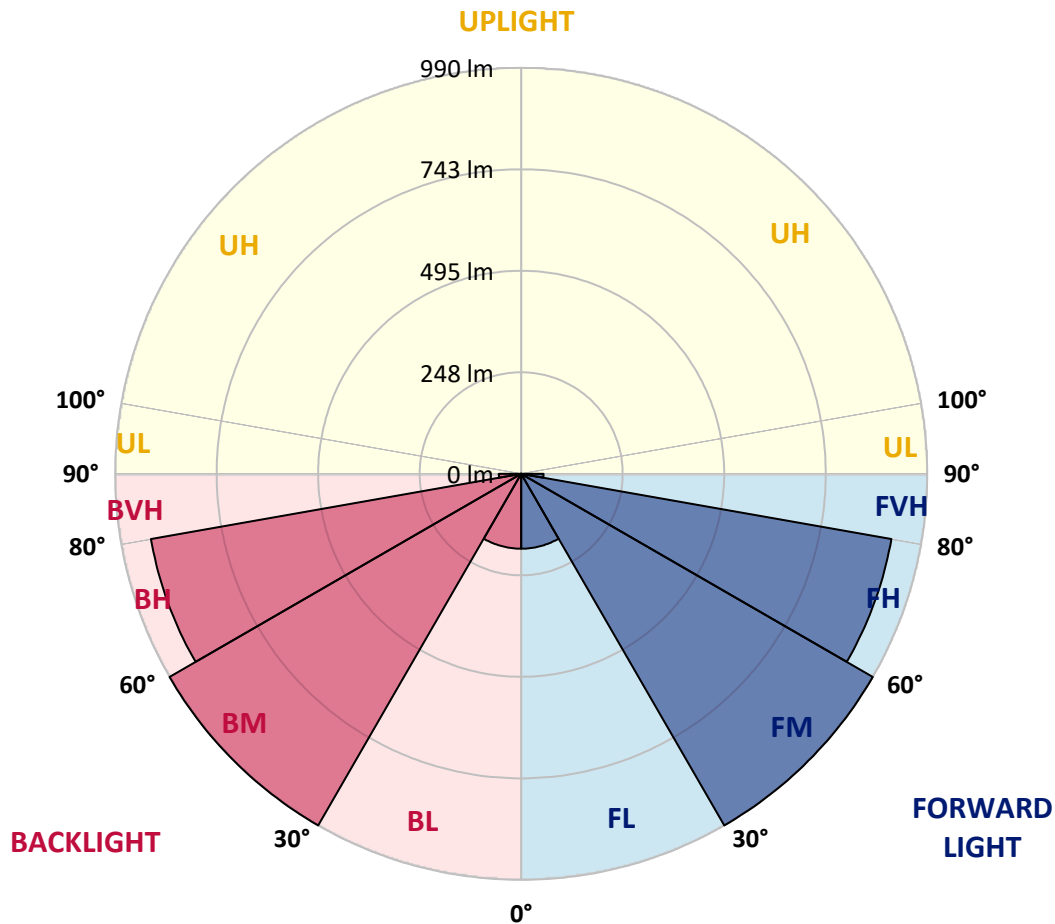
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.6	4.3			
FM	(30°-60°)	990.3	23.1			
FH	(60°-80°)	917.0	21.4			G1/1800
FVH	(80°-90°)	54.5	1.3			G1/100
BL	(0°-30°)	182.6	4.3	B1/500		
BM	(30°-60°)	990.3	23.1	B1/1000		
BH	(60°-80°)	917.0	21.4	B2/1000		G1/1800
BVH	(80°-90°)	54.5	1.3			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°	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6	324.6
2.5°	328.6	328.6	328.6	328.6	328.6	327.8	327.8	328.6	328.6	328.6	329.4
5°	332.5	333.3	332.5	333.3	332.5	332.5	332.5	333.3	333.3	333.3	333.3
7.5°	338.8	338.8	338.0	338.8	338.0	338.8	338.8	339.6	339.6	339.6	339.6
10°	349.0	349.0	349.0	349.0	348.2	348.2	349.0	349.8	350.6	350.6	350.6
12.5°	362.4	362.4	362.4	363.9	362.4	361.6	361.6	363.2	363.9	363.2	362.4
15°	378.1	378.1	378.9	380.5	380.5	380.5	379.7	379.7	380.5	378.9	378.1
17.5°	399.3	399.3	399.3	402.5	404.8	405.6	403.3	401.7	401.7	400.1	398.5
20°	426.8	427.6	427.6	430.8	434.7	436.3	433.9	430.8	430.0	427.6	426.8
22.5°	449.6	451.2	452.0	454.3	457.5	458.3	458.3	455.1	454.3	452.8	449.6
25°	471.6	473.2	474.0	478.7	481.9	481.9	482.6	478.7	477.1	474.8	471.6
27.5°	496.0	496.0	496.8	503.1	508.6	507.8	507.8	504.7	501.5	497.6	496.8
30°	521.9	523.5	523.5	531.4	537.7	540.0	536.9	533.7	529.0	525.1	522.7
32.5°	551.8	552.6	555.8	566.8	573.0	575.4	573.8	568.3	560.5	556.5	554.2
35°	585.6	586.4	594.3	609.2	618.6	621.0	621.0	610.0	599.8	591.1	587.2
37.5°	632.8	635.1	647.7	666.6	684.7	680.7	687.0	667.4	651.7	639.9	634.4
40°	691.7	694.1	713.0	734.2	758.6	759.3	761.7	735.0	714.5	699.6	693.3
42.5°	735.8	742.8	766.4	793.9	815.2	823.8	819.1	794.7	767.2	748.3	741.3
45°	782.1	789.2	817.5	848.2	871.0	880.4	872.5	849.0	819.9	795.5	786.9
47.5°	828.5	835.6	864.7	898.5	926.8	933.1	928.3	900.0	866.2	839.5	830.9
50°	874.1	882.8	911.1	953.5	984.9	989.7	986.5	954.3	911.8	884.3	878.8
52.5°	914.2	927.6	969.2	1012.5	1054.9	1059.6	1057.3	1011.7	963.7	928.3	912.6
55°	962.9	971.6	1014.8	1085.6	1120.9	1138.2	1126.4	1080.8	1016.4	976.3	964.5
57.5°	1006.2	1014.0	1054.9	1123.3	1176.7	1201.1	1181.5	1124.1	1056.5	1011.7	1008.5
60°	1009.3	1018.0	1075.3	1135.1	1203.5	1223.1	1201.1	1139.0	1074.6	1020.3	1006.2
62.5°	991.2	1002.2	1057.3	1146.9	1209.8	1221.6	1203.5	1139.8	1061.2	1007.7	992.0
65°	988.9	993.6	1041.5	1135.1	1183.0	1206.6	1183.8	1131.2	1046.3	995.2	981.8
67.5°	929.9	928.3	992.8	1076.1	1152.4	1178.3	1150.0	1077.7	998.3	936.2	920.5
70°	852.1	848.2	911.8	1003.8	1080.1	1113.9	1078.5	1007.0	919.7	854.5	842.7
72.5°	748.3	741.3	806.5	904.8	977.9	1004.6	976.3	907.9	815.2	753.1	735.0
75°	613.9	604.5	676.8	771.1	837.9	866.2	834.0	780.6	688.6	624.9	600.6
77.5°	459.9	447.3	515.7	613.9	672.9	706.7	672.1	621.8	531.4	468.5	448.8
80°	295.6	279.1	334.1	432.3	483.4	516.4	477.1	436.3	349.0	297.1	283.0
82.5°	120.3	106.1	142.3	213.8	253.9	292.4	251.5	216.2	152.5	118.7	109.3
85°	8.6	4.7	7.1	8.6	7.1	13.4	5.5	7.1	6.3	6.3	6.3
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)