

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: P887621

Luminaire Tested: **TT-D2-740-U-WQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887621
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-D2-740-U-WQ-TC
Description: WQ
4000K, 70 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4524 lumens
Efficiency: N/A
Efficacy: 115.4 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



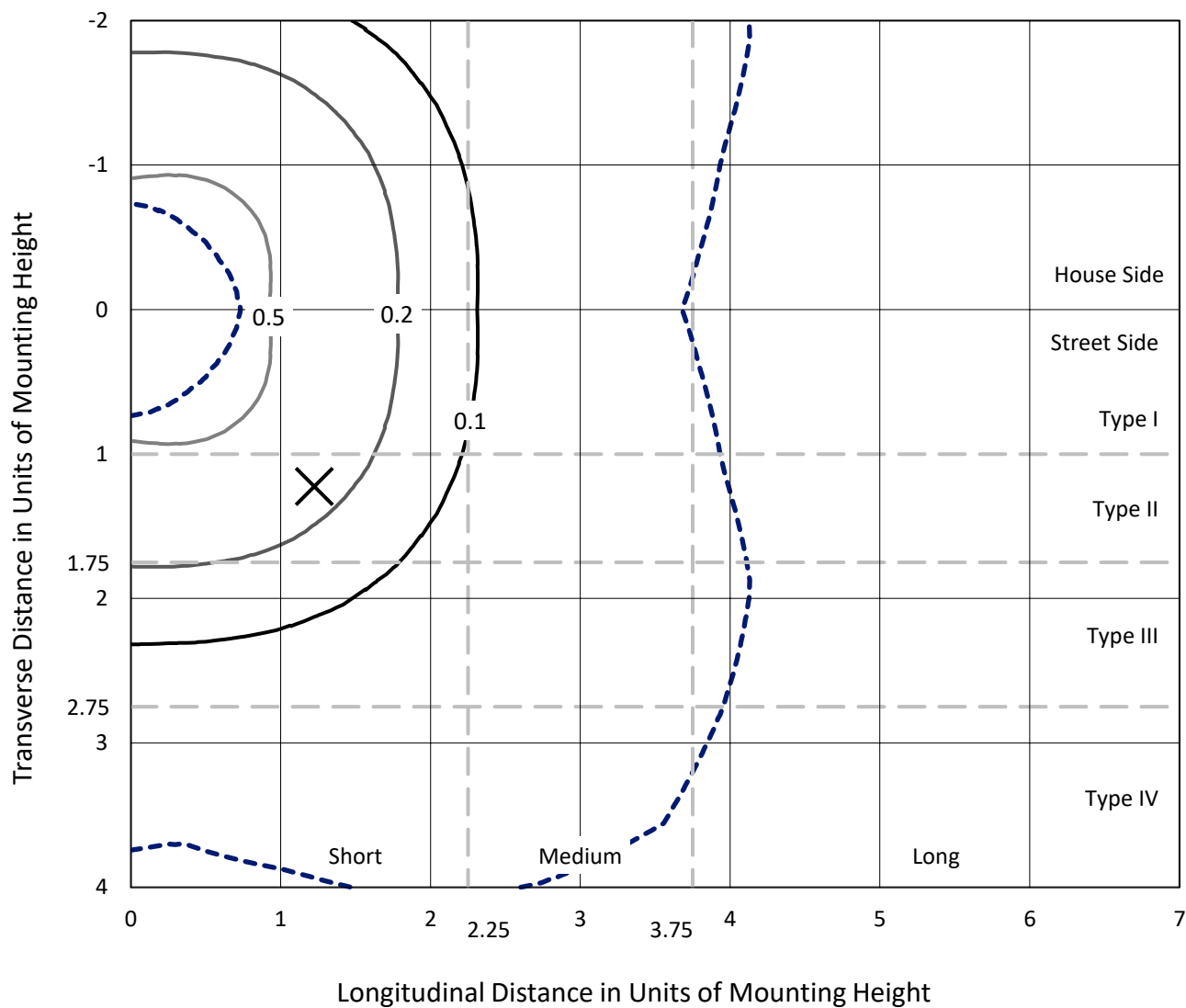
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

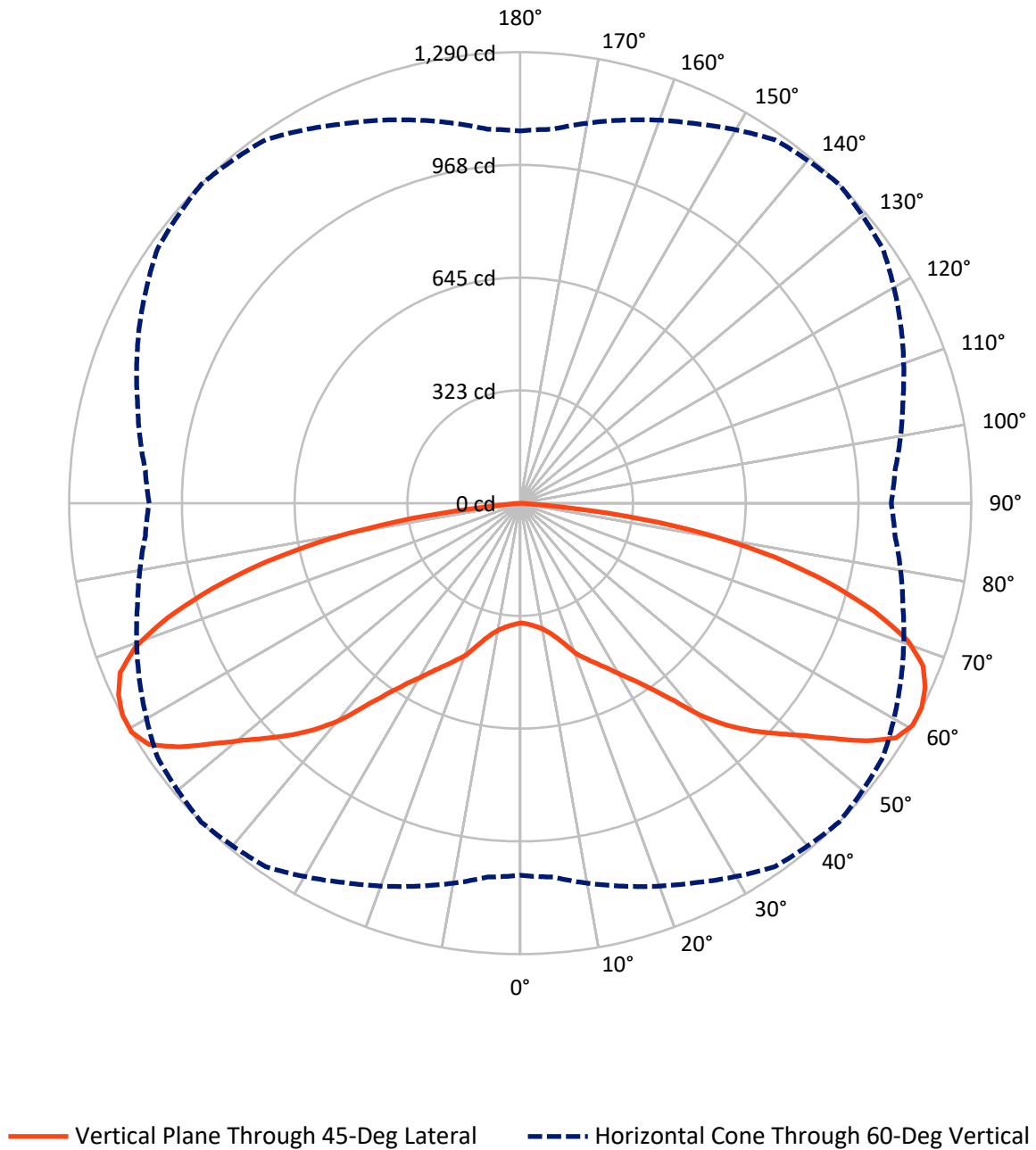
--- 1/2 Max cd



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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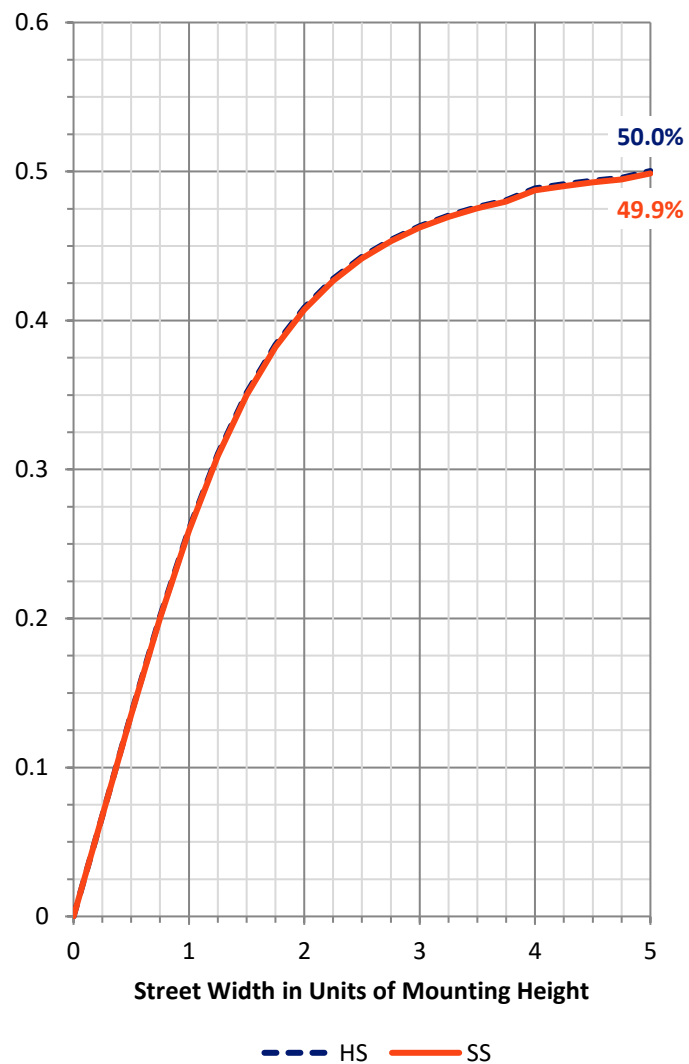
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2262.0	0.0	2262.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2262.0	0.0	2262.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4524.0	0.0	4524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	0.8
10°-20°	115.9	2.6
20°-30°	235.3	5.2
30°-40°	410.5	9.1
40°-50°	685.5	15.2
50°-60°	993.1	22.0
60°-70°	1130.2	25.0
70°-80°	804.3	17.8
80°-90°	115.1	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°	4524.0	100.0
0°-180°	4524.0	100.0

Coefficient of Utilization



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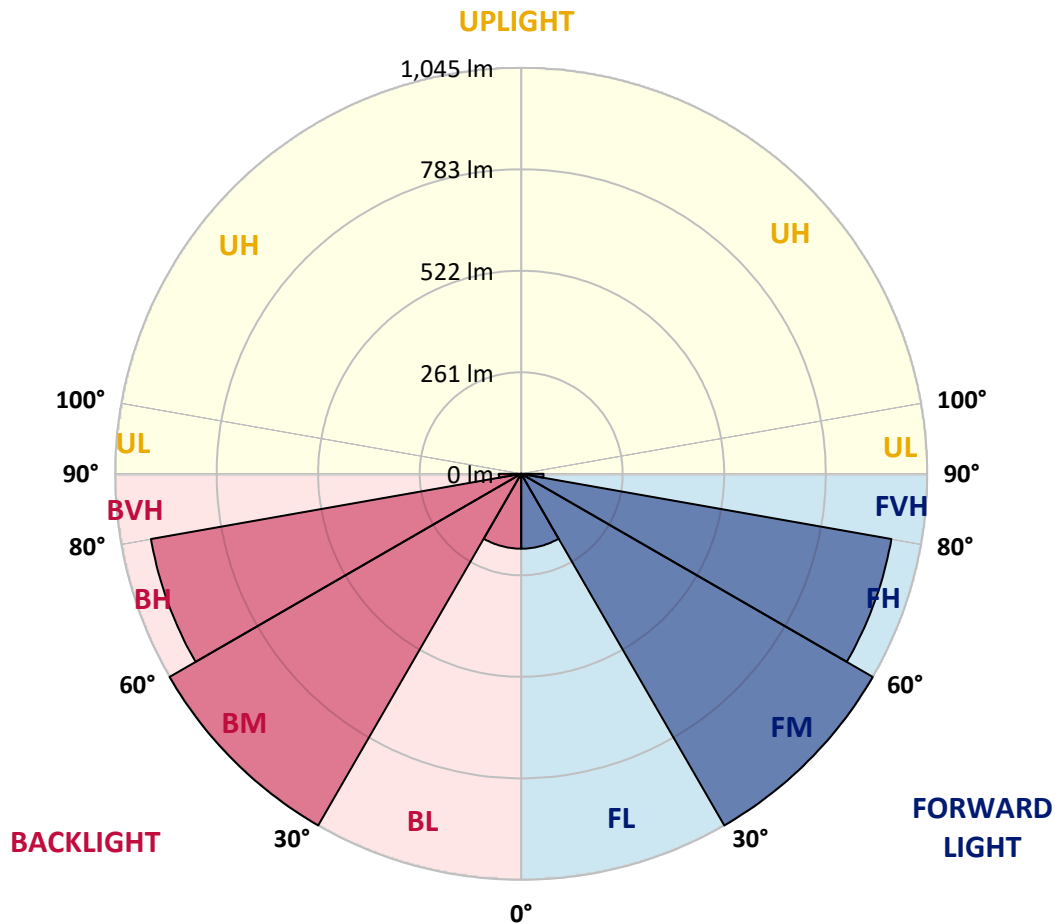
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.6	4.3			
FM	(30°-60°)	1044.6	23.1			
FH	(60°-80°)	967.3	21.4			G1/1800
FVH	(80°-90°)	57.5	1.3			G1/100
BL	(0°-30°)	192.6	4.3	B1/500		
BM	(30°-60°)	1044.6	23.1	B2/2500		
BH	(60°-80°)	967.3	21.4	B2/1000		G1/1800
BVH	(80°-90°)	57.5	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°	342.4	342.4	342.4	342.4	342.4	342.4	342.4	342.4	342.4	342.4	342.4
2.5°	346.6	346.6	346.6	346.6	346.6	345.8	345.8	346.6	346.6	346.6	347.4
5°	350.7	351.6	350.7	351.6	350.7	350.7	350.7	351.6	351.6	351.6	351.6
7.5°	357.4	357.4	356.5	357.4	356.5	357.4	357.4	358.2	358.2	358.2	358.2
10°	368.1	368.1	368.1	368.1	367.3	367.3	368.1	369.0	369.8	369.8	369.8
12.5°	382.2	382.2	382.2	383.9	382.2	381.4	381.4	383.1	383.9	383.1	382.2
15°	398.8	398.8	399.6	401.3	401.3	401.3	400.5	400.5	401.3	399.6	398.8
17.5°	421.2	421.2	421.2	424.5	427.0	427.8	425.3	423.7	423.7	422.0	420.4
20°	450.2	451.1	451.1	454.4	458.5	460.2	457.7	454.4	453.5	451.1	450.2
22.5°	474.3	475.9	476.8	479.2	482.6	483.4	483.4	480.1	479.2	477.6	474.3
25°	497.5	499.1	500.0	504.9	508.3	508.3	509.1	504.9	503.3	500.8	497.5
27.5°	523.2	523.2	524.0	530.6	536.5	535.6	535.6	532.3	529.0	524.8	524.0
30°	550.5	552.2	552.2	560.5	567.1	569.6	566.3	563.0	558.0	553.9	551.4
32.5°	582.1	582.9	586.2	597.8	604.4	606.9	605.3	599.5	591.2	587.0	584.5
35°	617.7	618.5	626.8	642.6	652.5	655.0	655.0	643.4	632.6	623.5	619.4
37.5°	667.5	669.9	683.2	703.1	722.2	718.0	724.7	703.9	687.4	674.9	669.1
40°	729.6	732.1	752.0	774.4	800.1	800.9	803.4	775.2	753.7	737.9	731.3
42.5°	776.1	783.5	808.4	837.4	859.8	868.9	864.0	838.3	809.2	789.3	781.9
45°	825.0	832.5	862.3	894.6	918.7	928.6	920.3	895.5	864.8	839.1	830.0
47.5°	873.9	881.4	912.1	947.7	977.6	984.2	979.2	949.4	913.7	885.5	876.4
50°	922.0	931.1	961.0	1005.7	1038.9	1043.9	1040.6	1006.6	961.8	932.8	927.0
52.5°	964.3	978.4	1022.3	1067.9	1112.7	1117.7	1115.2	1067.1	1016.5	979.2	962.6
55°	1015.7	1024.8	1070.4	1145.0	1182.4	1200.6	1188.2	1140.1	1072.1	1029.8	1017.4
57.5°	1061.3	1069.6	1112.7	1184.8	1241.2	1266.9	1246.2	1185.7	1114.4	1067.1	1063.8
60°	1064.6	1073.7	1134.3	1197.3	1269.4	1290.1	1266.9	1201.4	1133.4	1076.2	1061.3
62.5°	1045.5	1057.2	1115.2	1209.7	1276.0	1288.5	1269.4	1202.3	1119.3	1063.0	1046.4
65°	1043.1	1048.0	1098.6	1197.3	1247.9	1272.7	1248.7	1193.1	1103.6	1049.7	1035.6
67.5°	980.9	979.2	1047.2	1135.1	1215.5	1242.9	1213.0	1136.7	1053.0	987.5	970.9
70°	898.8	894.6	961.8	1058.8	1139.2	1174.9	1137.6	1062.1	970.1	901.3	888.8
72.5°	789.3	781.9	850.7	954.3	1031.4	1059.6	1029.8	957.7	859.8	794.3	775.2
75°	647.6	637.6	713.9	813.4	883.9	913.7	879.7	823.3	726.3	659.2	633.5
77.5°	485.0	471.8	543.9	647.6	709.7	745.4	708.9	655.8	560.5	494.2	473.4
80°	311.8	294.3	352.4	456.0	509.9	544.7	503.3	460.2	368.1	313.4	298.5
82.5°	126.9	111.9	150.1	225.5	267.8	308.4	265.3	228.0	160.9	125.2	115.3
85°	9.1	5.0	7.5	9.1	7.5	14.1	5.8	7.5	6.6	6.6	6.6
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)