

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: P887736

Luminaire Tested: **TT-D3-830-U-WQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887736
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-D3-830-U-WQ-TC
Description: WQ
3000K, 80 CRI LEDS, WIDE DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4889 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 47.2
Input Voltage (V): 120.0
Input Current (Ain): 0.39
Voltage Rise (V): NR
Power Factor: 0.989
Total Harmonic Distortion (THDi): 12.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



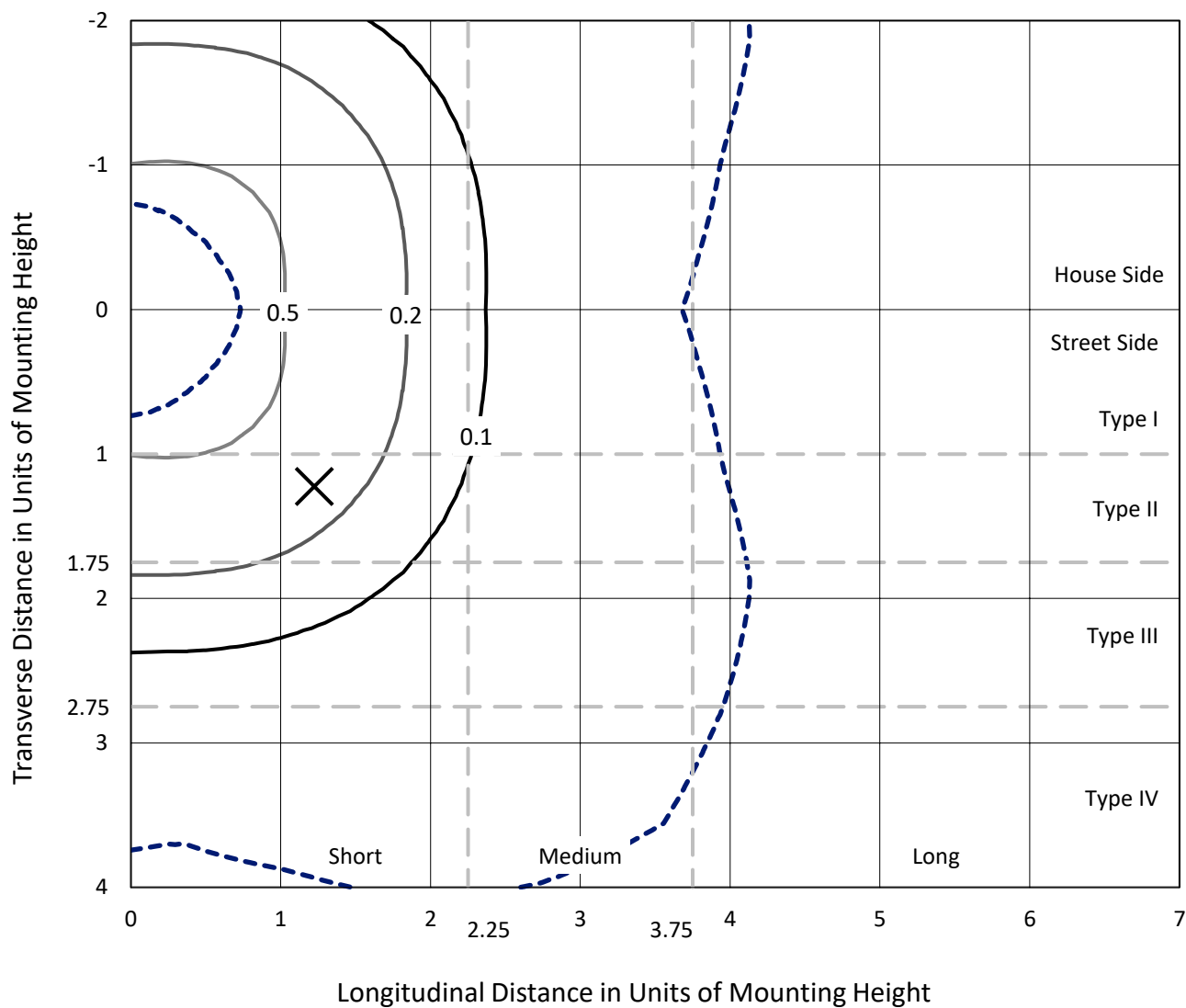
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

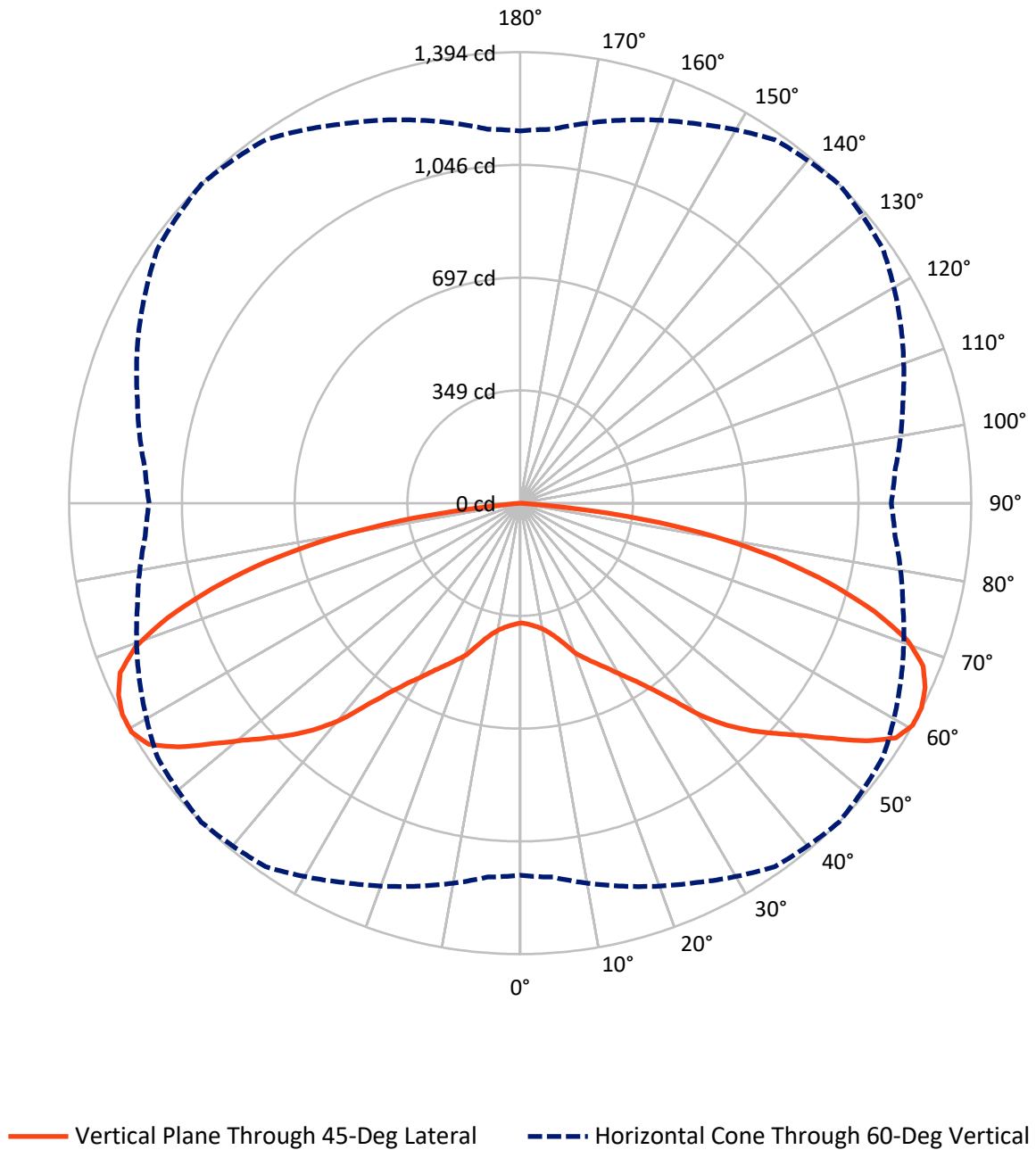


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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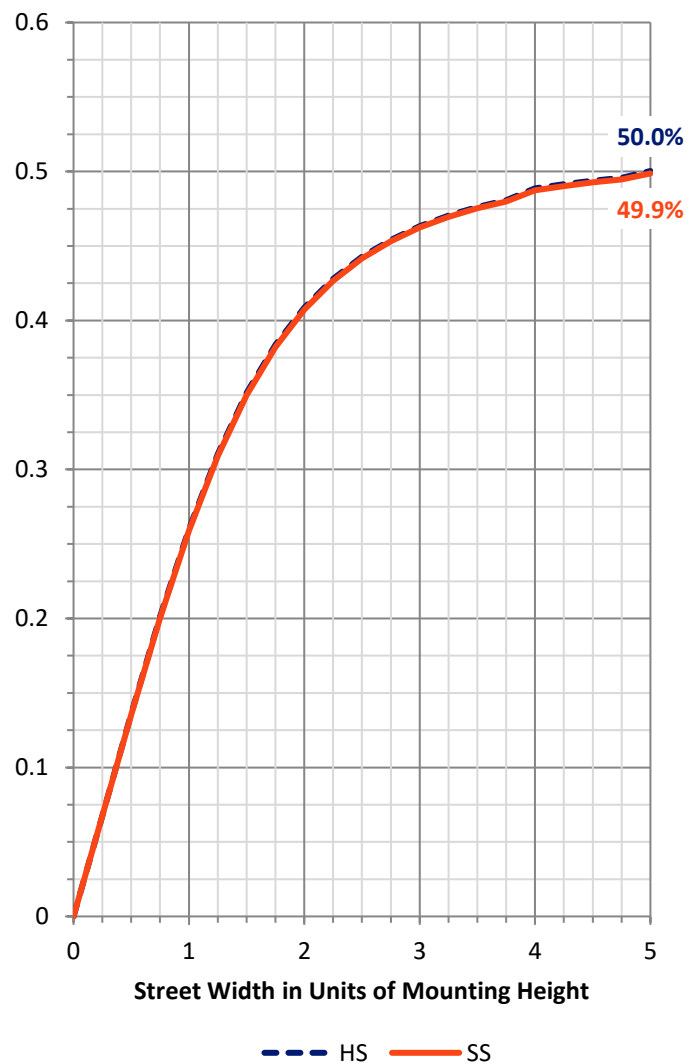
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2444.5	0.0	2444.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2444.5	0.0	2444.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4889.0	0.0	4889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	0.8
10°-20°	125.3	2.6
20°-30°	254.3	5.2
30°-40°	443.6	9.1
40°-50°	740.8	15.2
50°-60°	1073.3	22.0
60°-70°	1221.4	25.0
70°-80°	869.2	17.8
80°-90°	124.4	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°	4889.0	100.0
0°-180°	4889.0	100.0

Coefficient of Utilization



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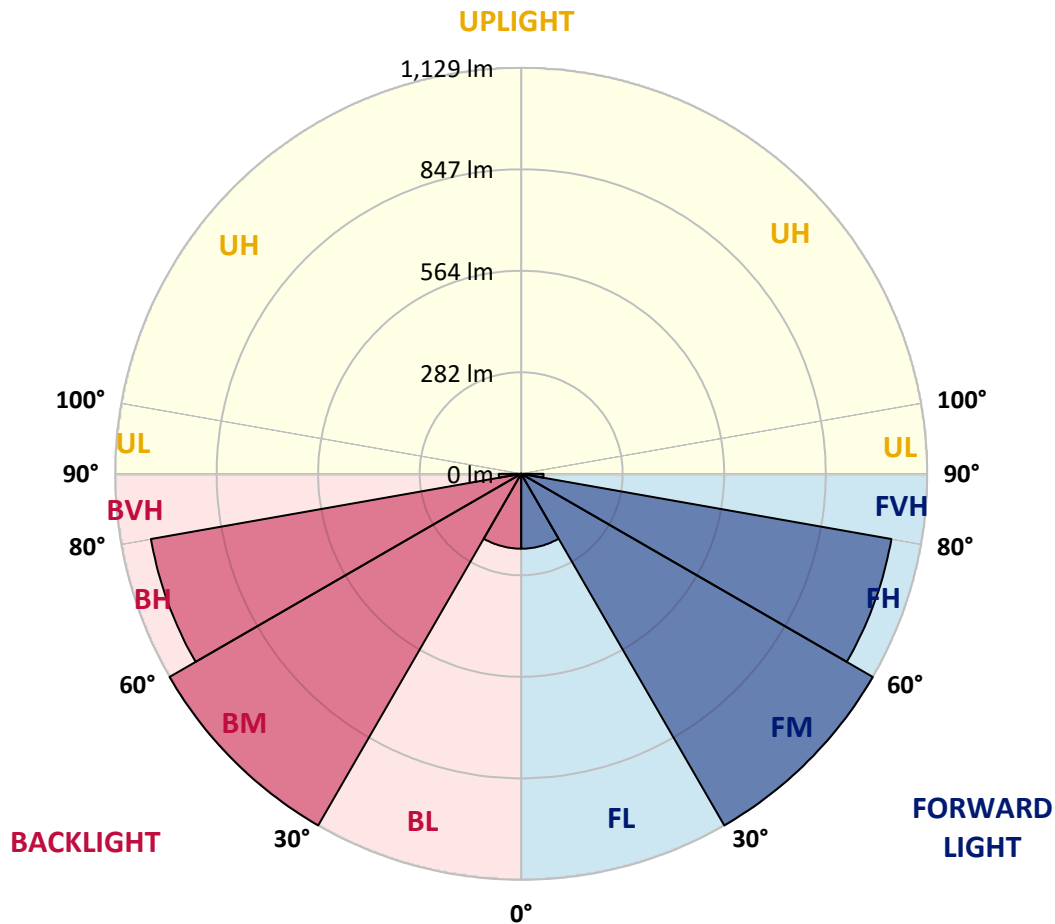
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.2	4.3			
FM	(30°-60°)	1128.8	23.1			
FH	(60°-80°)	1045.3	21.4			G1/1800
FVH	(80°-90°)	62.2	1.3			G1/100
BL	(0°-30°)	208.2	4.3	B1/500		
BM	(30°-60°)	1128.8	23.1	B2/2500		
BH	(60°-80°)	1045.3	21.4	B3/2500		G1/1800
BVH	(80°-90°)	62.2	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	370.1	370.1	370.1	370.1	370.1	370.1	370.1	370.1	370.1	370.1	370.1
2.5°	374.5	374.5	374.5	374.5	374.5	373.6	373.6	374.5	374.5	374.5	375.4
5°	379.0	379.9	379.0	379.9	379.0	379.0	379.0	379.9	379.9	379.9	379.9
7.5°	386.2	386.2	385.3	386.2	385.3	386.2	386.2	387.1	387.1	387.1	387.1
10°	397.8	397.8	397.8	397.8	396.9	396.9	397.8	398.7	399.6	399.6	399.6
12.5°	413.1	413.1	413.1	414.9	413.1	412.2	412.2	414.0	414.9	414.0	413.1
15°	431.0	431.0	431.9	433.7	433.7	433.7	432.8	432.8	433.7	431.9	431.0
17.5°	455.2	455.2	455.2	458.8	461.5	462.4	459.7	457.9	457.9	456.1	454.3
20°	486.5	487.4	487.4	491.0	495.5	497.3	494.6	491.0	490.1	487.4	486.5
22.5°	512.5	514.3	515.2	517.9	521.5	522.4	522.4	518.8	517.9	516.1	512.5
25°	537.6	539.4	540.3	545.7	549.3	549.3	550.2	545.7	543.9	541.2	537.6
27.5°	565.4	565.4	566.3	573.5	579.7	578.8	578.8	575.3	571.7	567.2	566.3
30°	595.0	596.8	596.8	605.7	612.9	615.6	612.0	608.4	603.0	598.6	595.9
32.5°	629.0	629.9	633.5	646.0	653.2	655.9	654.1	647.8	638.9	634.4	631.7
35°	667.5	668.4	677.4	694.4	705.2	707.9	707.9	695.3	683.7	673.8	669.3
37.5°	721.3	724.0	738.3	759.8	780.4	776.0	783.1	760.7	742.8	729.4	723.1
40°	788.5	791.2	812.7	836.9	864.7	865.6	868.3	837.8	814.5	797.5	790.3
42.5°	838.7	846.8	873.6	905.0	929.2	939.0	933.7	905.9	874.5	853.0	845.0
45°	891.6	899.6	931.9	966.8	992.8	1003.6	994.6	967.7	934.6	906.8	896.9
47.5°	944.4	952.5	985.6	1024.2	1056.4	1063.6	1058.2	1026.0	987.4	957.0	947.1
50°	996.4	1006.2	1038.5	1086.9	1122.7	1128.1	1124.5	1087.8	1039.4	1008.0	1001.8
52.5°	1042.1	1057.3	1104.8	1154.1	1202.5	1207.9	1205.2	1153.2	1098.5	1058.2	1040.3
55°	1097.6	1107.5	1156.8	1237.4	1277.7	1297.5	1284.0	1232.0	1158.6	1112.9	1099.4
57.5°	1146.9	1155.9	1202.5	1280.4	1341.4	1369.1	1346.7	1281.3	1204.3	1153.2	1149.6
60°	1150.5	1160.4	1225.8	1293.9	1371.8	1394.2	1369.1	1298.4	1224.9	1163.1	1146.9
62.5°	1129.9	1142.4	1205.2	1307.3	1379.0	1392.4	1371.8	1299.2	1209.6	1148.7	1130.8
65°	1127.2	1132.6	1187.2	1293.9	1348.5	1375.4	1349.4	1289.4	1192.6	1134.4	1119.1
67.5°	1060.0	1058.2	1131.7	1226.7	1313.6	1343.2	1310.9	1228.5	1138.0	1067.2	1049.3
70°	971.3	966.8	1039.4	1144.2	1231.2	1269.7	1229.4	1147.8	1048.4	974.0	960.5
72.5°	853.0	845.0	919.3	1031.3	1114.7	1145.1	1112.9	1034.9	929.2	858.4	837.8
75°	699.8	689.1	771.5	879.0	955.2	987.4	950.7	889.8	784.9	712.3	684.6
77.5°	524.2	509.8	587.8	699.8	767.0	805.5	766.1	708.8	605.7	534.0	511.6
80°	336.9	318.1	380.8	492.8	551.1	588.7	543.9	497.3	397.8	338.7	322.6
82.5°	137.1	121.0	162.2	243.7	289.4	333.3	286.7	246.4	173.8	135.3	124.5
85°	9.9	5.4	8.1	9.9	8.1	15.2	6.3	8.1	7.2	7.2	7.2
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)