

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: P887642

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

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887642
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-3)
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-CQ-TC
Description: CQ
3000K, 80 CRI LEDS, CONCENTRATED DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4248 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

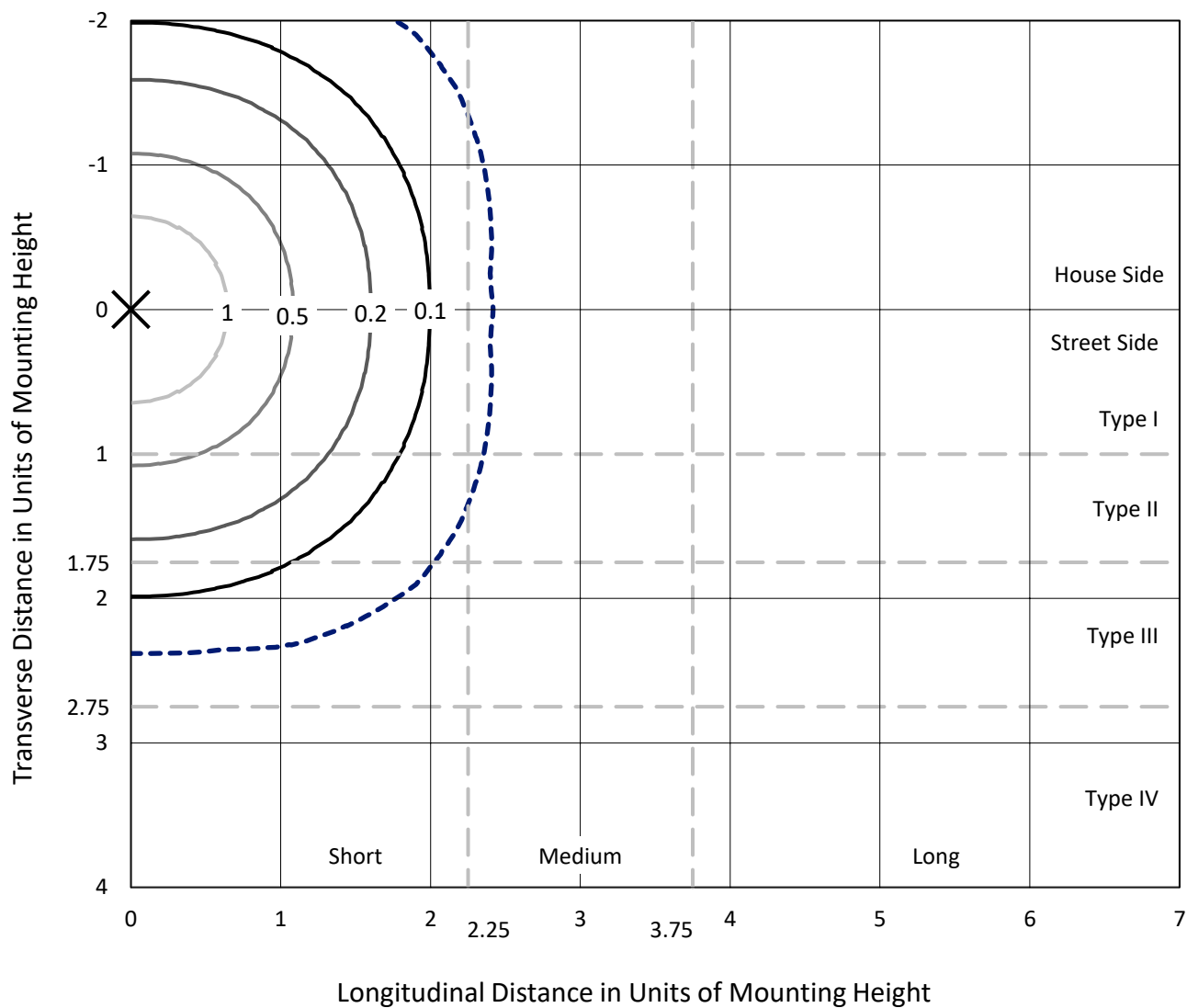
Input Watts (W): 39.2
Input Voltage (V): 120.0
Input Current (Ain): 0.33
Voltage Rise (V): NR
Power Factor: 0.972
Total Harmonic Distortion (THDi): 15.9%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

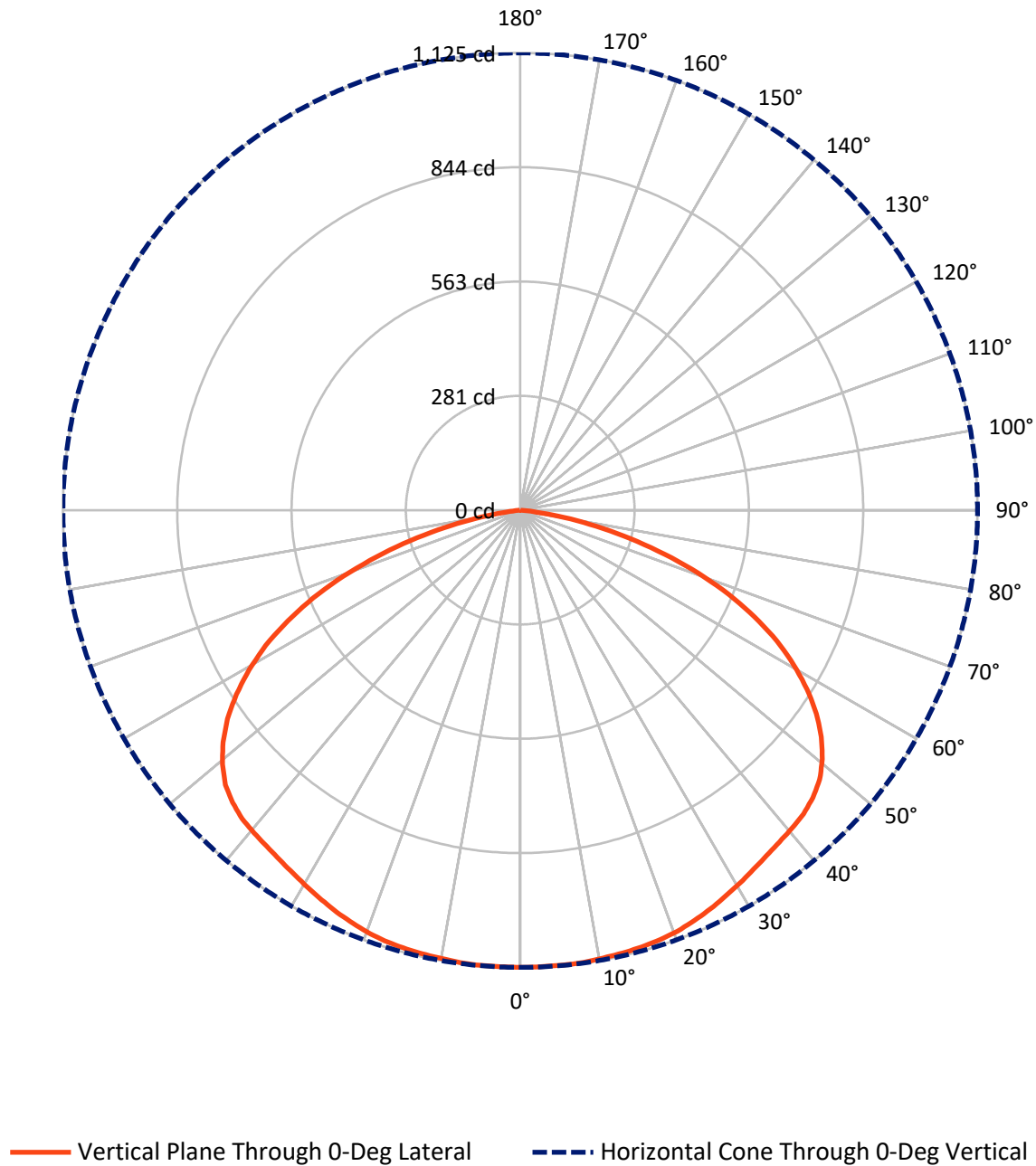
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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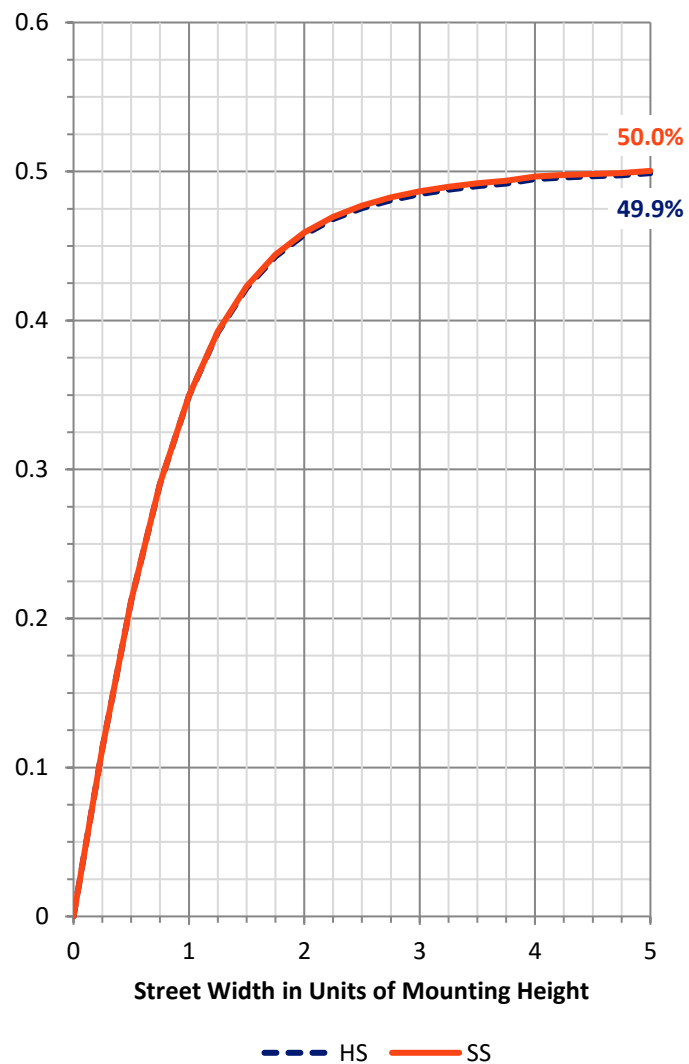
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2124.0	0.0	2124.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2124.0	0.0	2124.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4248.0	0.0	4248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	2.5
10°-20°	315.9	7.4
20°-30°	503.4	11.9
30°-40°	661.5	15.6
40°-50°	797.1	18.8
50°-60°	831.4	19.6
60°-70°	672.7	15.8
70°-80°	326.1	7.7
80°-90°	32.8	0.8
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°	4248.0	100.0
0°-180°	4248.0	100.0

Coefficient of Utilization



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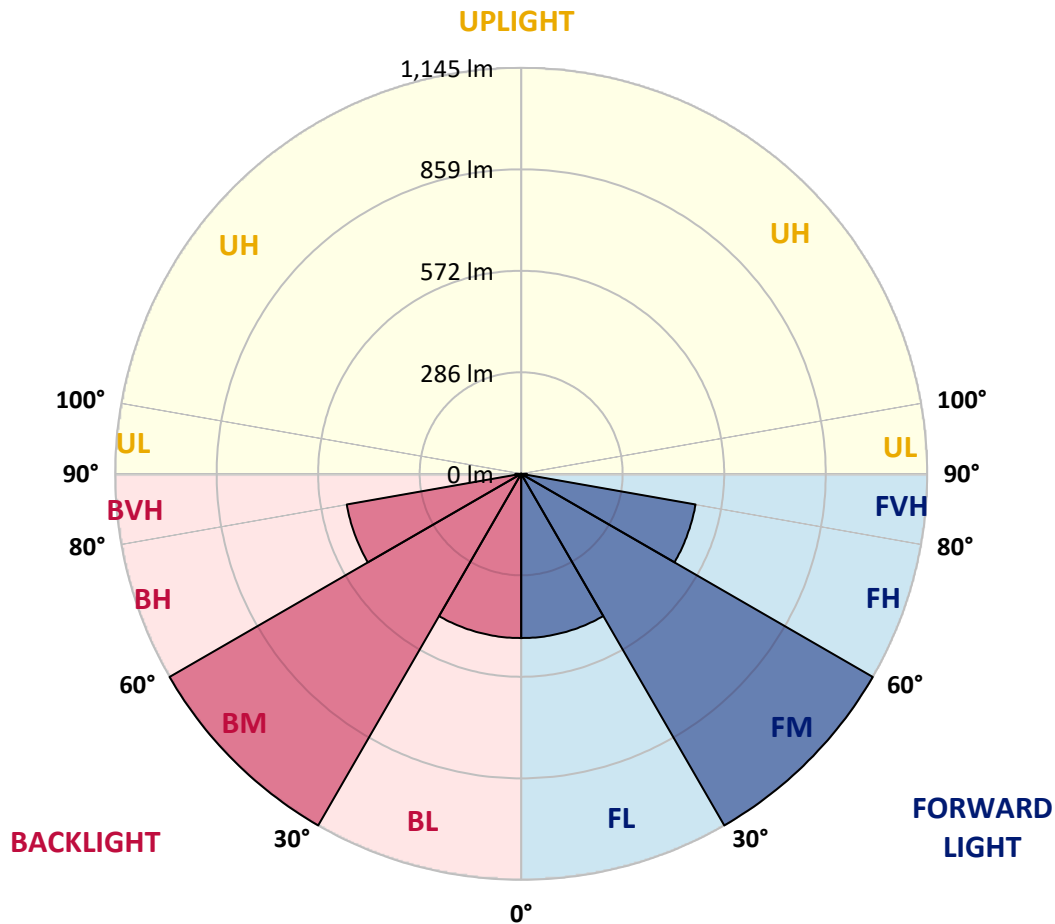
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.3	10.9			
FM	(30°-60°)	1145.0	27.0			
FH	(60°-80°)	499.4	11.8			G0/660
FVH	(80°-90°)	16.4	0.4			G1/100
BL	(0°-30°)	463.3	10.9	B1/500		
BM	(30°-60°)	1145.0	27.0	B2/2500		
BH	(60°-80°)	499.4	11.8	B1/500		G0/660
BVH	(80°-90°)	16.4	0.4			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°	1125.2	1125.2	1125.2	1125.2	1125.2	1125.2	1125.2	1125.2	1125.2	1125.2	1125.2
2.5°	1124.5	1124.5	1124.5	1123.7	1123.7	1123.7	1123.7	1124.5	1124.5	1124.5	1124.5
5°	1124.5	1124.5	1124.5	1124.5	1123.7	1123.7	1123.7	1124.5	1124.5	1124.5	1124.5
7.5°	1123.7	1123.7	1123.7	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0	1123.0
10°	1120.7	1120.7	1121.5	1120.7	1120.7	1120.7	1120.7	1121.5	1120.7	1120.7	1120.7
12.5°	1118.5	1118.5	1118.5	1118.5	1117.8	1118.5	1117.8	1117.8	1117.8	1117.8	1117.8
15°	1115.5	1116.3	1115.5	1115.5	1116.3	1116.3	1115.5	1115.5	1114.8	1114.8	1114.8
17.5°	1111.8	1111.8	1112.6	1112.6	1113.3	1113.3	1112.6	1112.6	1111.8	1111.1	1111.1
20°	1105.9	1106.6	1106.6	1107.4	1108.1	1108.8	1108.1	1107.4	1106.6	1105.9	1105.1
22.5°	1097.0	1097.7	1098.4	1099.9	1100.7	1101.4	1099.9	1099.2	1098.4	1097.7	1097.7
25°	1087.3	1088.0	1088.8	1090.3	1091.0	1091.8	1091.0	1089.5	1088.8	1088.0	1088.0
27.5°	1076.1	1076.9	1077.6	1079.9	1080.6	1081.4	1079.9	1078.4	1076.9	1076.1	1076.1
30°	1065.0	1065.7	1067.2	1069.5	1071.7	1072.4	1069.5	1068.0	1065.7	1064.3	1064.3
32.5°	1053.9	1054.6	1056.1	1060.5	1062.8	1063.5	1062.0	1059.1	1055.3	1053.1	1052.4
35°	1044.2	1045.7	1048.6	1053.9	1056.8	1058.3	1056.8	1052.4	1047.2	1043.4	1043.4
37.5°	1036.0	1038.2	1042.7	1050.1	1056.1	1057.6	1055.3	1049.4	1042.0	1036.8	1036.0
40°	1029.3	1031.6	1038.2	1047.9	1056.1	1058.3	1055.3	1047.2	1037.5	1030.8	1029.3
42.5°	1021.9	1024.1	1033.0	1044.9	1054.6	1058.3	1054.6	1044.2	1031.6	1022.6	1021.9
45°	1009.3	1012.2	1022.6	1038.2	1050.1	1054.6	1050.1	1038.2	1022.6	1012.2	1011.5
47.5°	991.4	994.4	1006.3	1026.4	1040.5	1047.2	1042.7	1028.6	1011.5	998.1	996.6
50°	963.2	968.4	981.0	1005.5	1021.9	1031.6	1027.8	1012.2	992.2	978.0	976.6
52.5°	927.5	932.7	948.3	975.8	994.4	1007.0	1003.3	986.2	965.4	947.6	946.8
55°	884.4	890.3	906.7	938.7	959.5	973.6	969.1	949.1	926.0	906.0	905.2
57.5°	832.4	839.8	857.6	891.1	914.9	931.2	924.5	903.7	877.0	853.9	854.7
60°	773.7	781.8	800.4	835.4	860.6	876.2	870.3	847.2	819.0	794.5	795.2
62.5°	709.0	714.2	732.8	769.2	794.5	812.3	803.4	779.6	750.6	725.4	729.1
65°	633.2	638.4	656.2	692.7	716.4	734.3	725.4	700.8	671.1	644.4	650.3
67.5°	553.7	555.2	568.5	606.4	628.7	645.8	636.2	612.4	584.2	559.6	564.1
70°	464.5	463.0	477.1	512.1	531.4	547.0	537.3	515.0	489.8	466.7	471.2
72.5°	371.6	370.1	381.3	413.2	425.9	443.7	434.8	414.0	393.9	370.9	375.3
75°	280.2	277.2	286.9	313.6	324.0	339.6	331.5	312.9	296.5	275.7	280.9
77.5°	191.0	188.8	196.2	218.5	225.2	240.8	229.6	217.0	203.6	182.8	190.3
80°	110.0	107.8	112.2	130.8	135.3	145.7	138.2	128.6	118.2	104.0	108.5
82.5°	40.9	42.4	44.6	56.5	60.9	70.6	63.2	55.7	48.3	39.4	42.4
85°	3.0	3.0	3.0	4.5	5.9	9.7	6.7	5.2	3.7	2.2	3.7
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)