

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: P887979

Luminaire Tested: **TT-D6-830-U-WQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887979
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-D6-830-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: 9638 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 105.2
Input Voltage (V): 120.0
Input Current (Ain): 0.88
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.70%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT



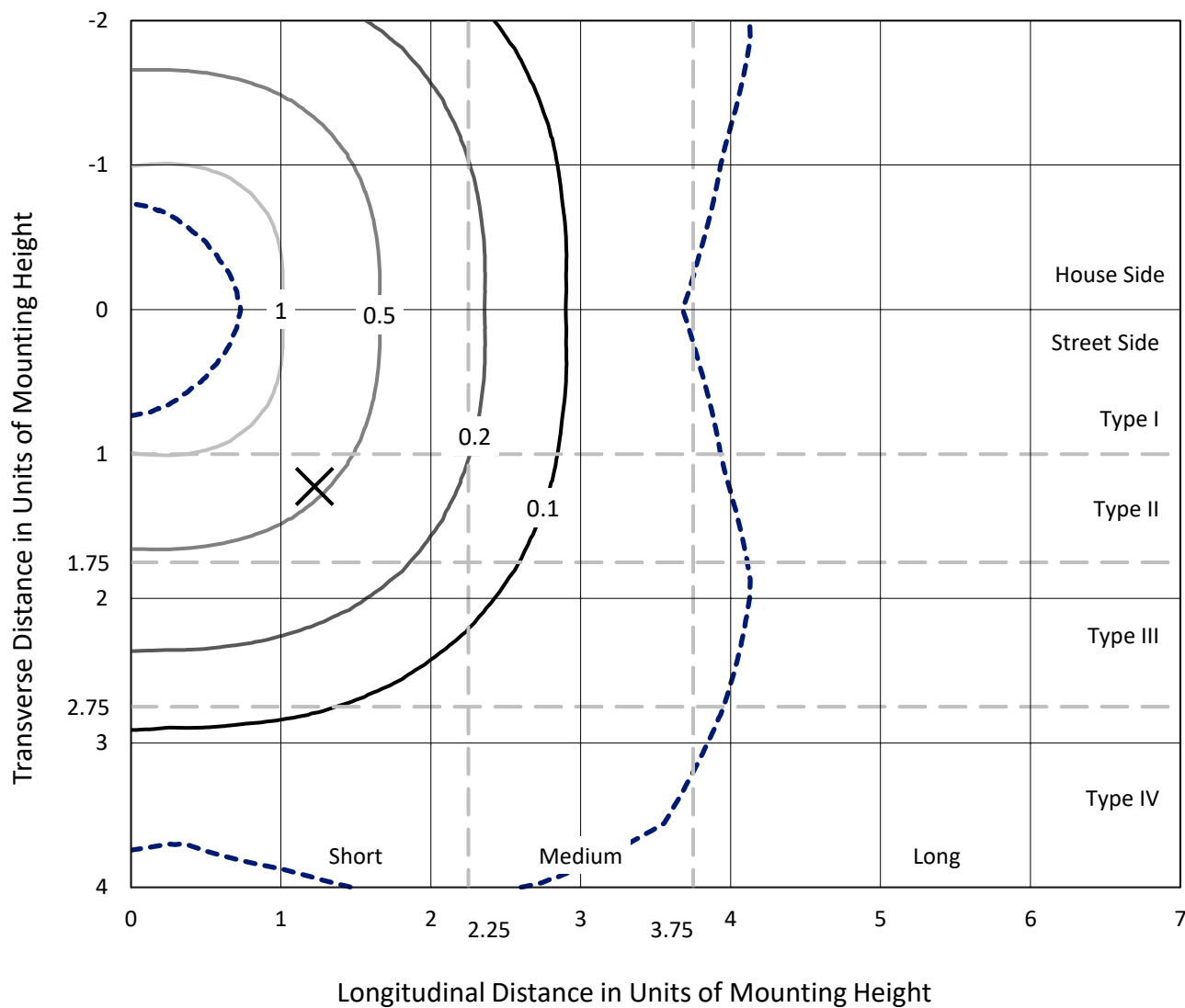
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

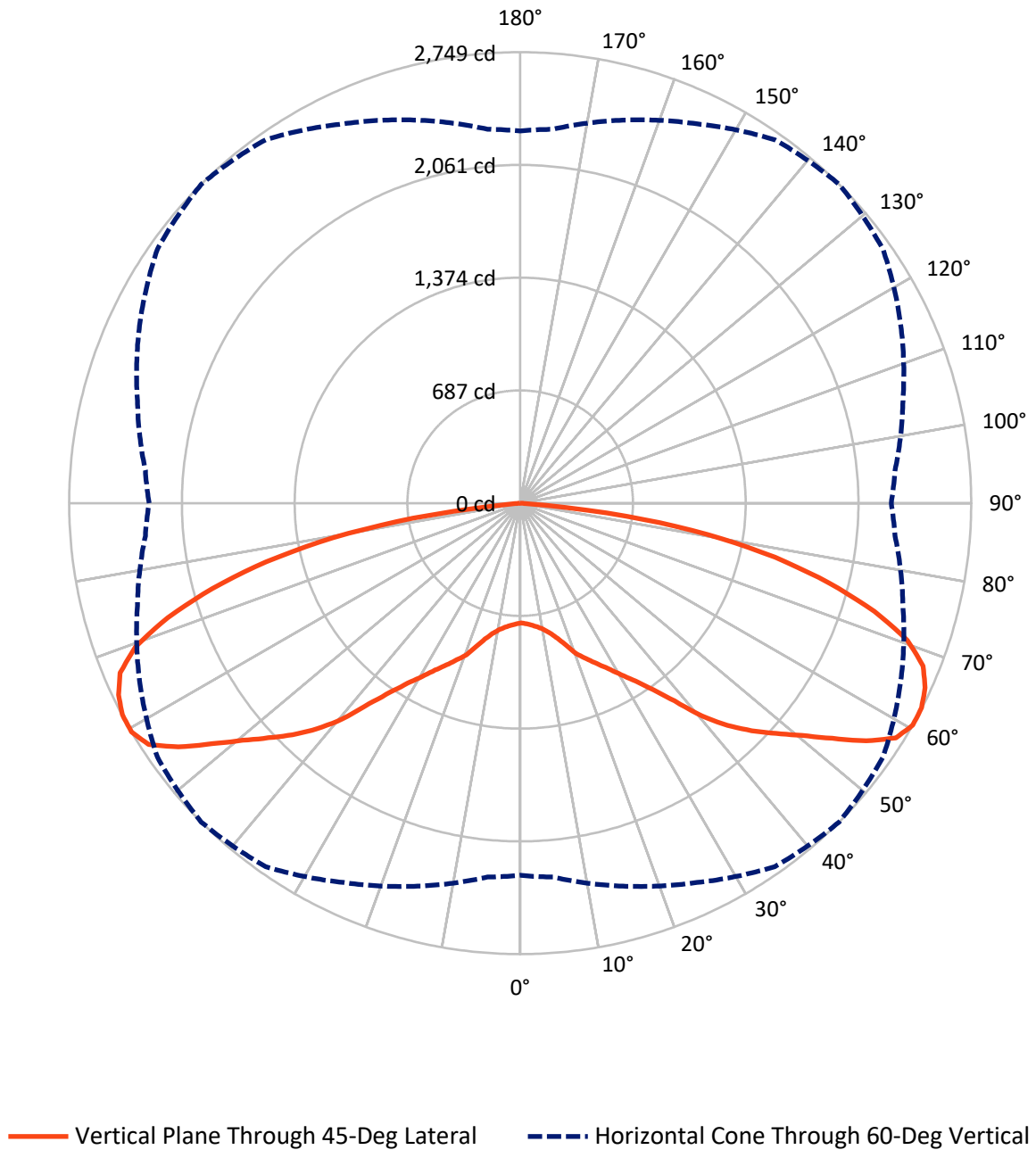


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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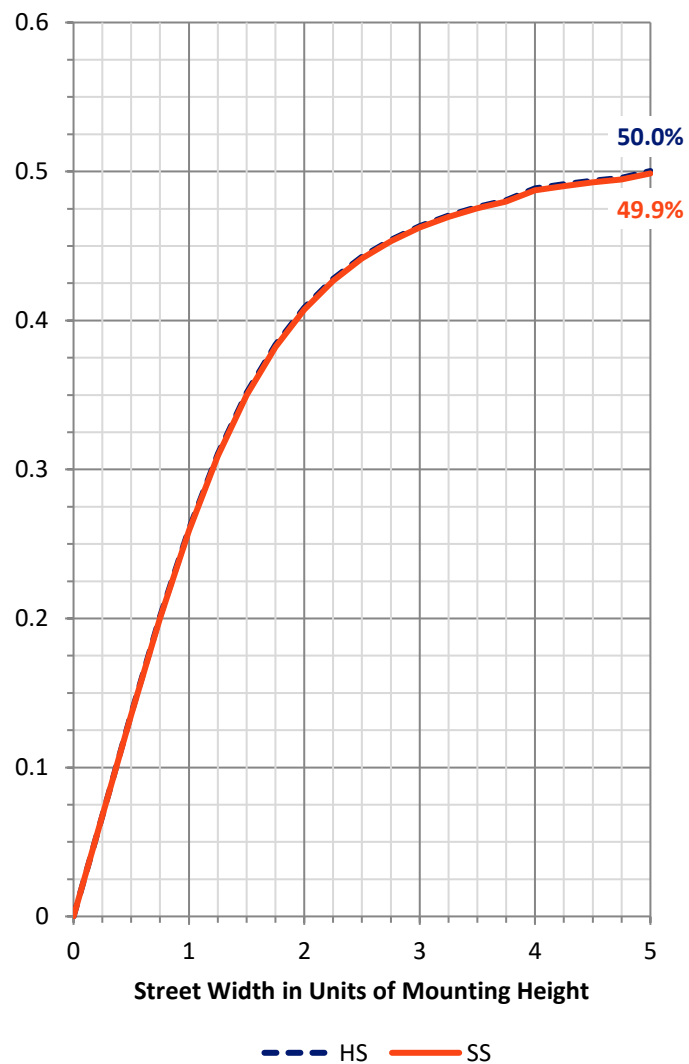
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4819.0	0.0	4819.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4819.0	0.0	4819.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9638.0	0.0	9638.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	0.8
10°-20°	247.0	2.6
20°-30°	501.3	5.2
30°-40°	874.6	9.1
40°-50°	1460.4	15.2
50°-60°	2115.8	22.0
60°-70°	2407.8	25.0
70°-80°	1713.5	17.8
80°-90°	245.2	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°	9638.0	100.0
0°-180°	9638.0	100.0

Coefficient of Utilization



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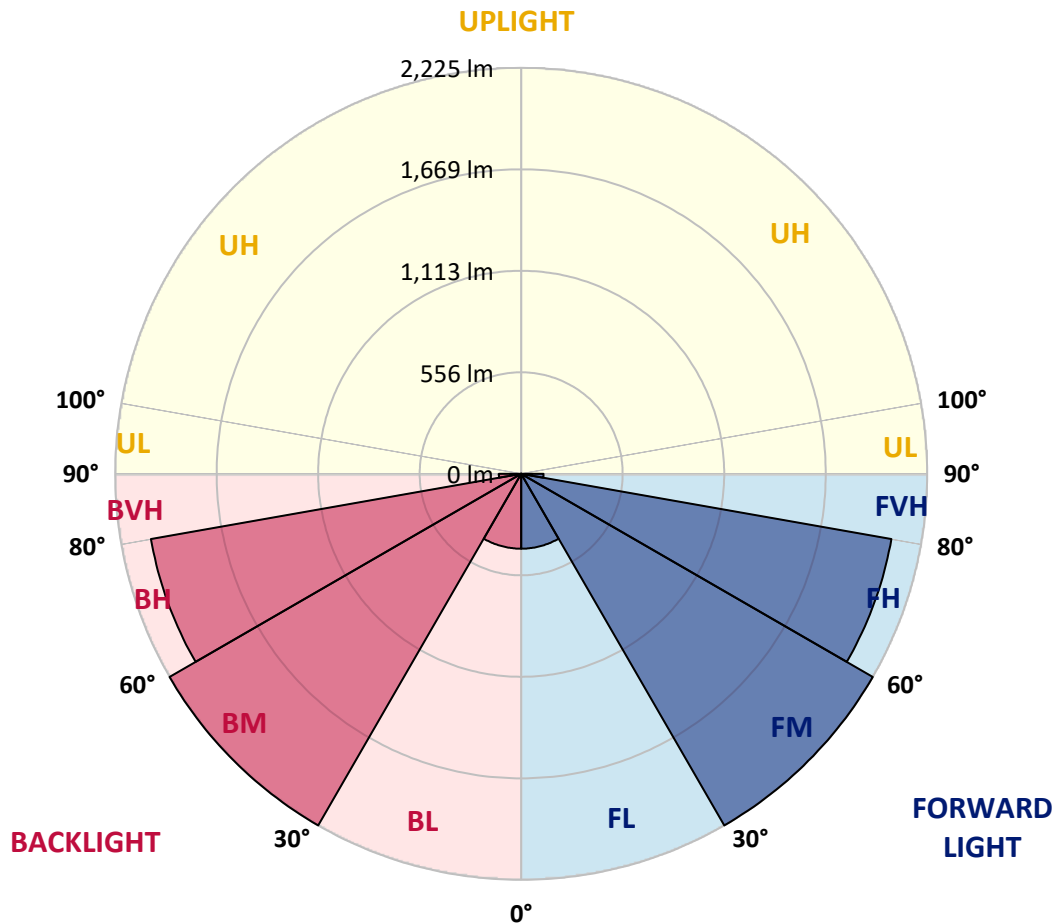
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	410.4	4.3			
FM	(30°-60°)	2225.4	23.1			
FH	(60°-80°)	2060.7	21.4			G2/5000
FVH	(80°-90°)	122.6	1.3			G2/225
BL	(0°-30°)	410.4	4.3	B1/500		
BM	(30°-60°)	2225.4	23.1	B2/2500		
BH	(60°-80°)	2060.7	21.4	B3/2500		G2/5000
BVH	(80°-90°)	122.6	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5
2.5°	738.4	738.4	738.4	738.4	738.4	736.6	736.6	738.4	738.4	738.4	740.1
5°	747.2	749.0	747.2	749.0	747.2	747.2	747.2	749.0	749.0	749.0	749.0
7.5°	761.3	761.3	759.6	761.3	759.6	761.3	761.3	763.1	763.1	763.1	763.1
10°	784.3	784.3	784.3	784.3	782.5	782.5	784.3	786.1	787.8	787.8	787.8
12.5°	814.3	814.3	814.3	817.8	814.3	812.5	812.5	816.1	817.8	816.1	814.3
15°	849.6	849.6	851.4	854.9	854.9	854.9	853.2	853.2	854.9	851.4	849.6
17.5°	897.3	897.3	897.3	904.4	909.7	911.5	906.2	902.6	902.6	899.1	895.6
20°	959.2	960.9	960.9	968.0	976.8	980.4	975.1	968.0	966.2	960.9	959.2
22.5°	1010.4	1013.9	1015.7	1021.0	1028.1	1029.8	1029.8	1022.8	1021.0	1017.5	1010.4
25°	1059.8	1063.4	1065.1	1075.7	1082.8	1082.8	1084.6	1075.7	1072.2	1066.9	1059.8
27.5°	1114.6	1114.6	1116.4	1130.5	1142.9	1141.1	1141.1	1134.0	1127.0	1118.1	1116.4
30°	1172.9	1176.4	1176.4	1194.1	1208.2	1213.5	1206.5	1199.4	1188.8	1180.0	1174.7
32.5°	1240.0	1241.8	1248.9	1273.6	1287.7	1293.0	1289.5	1277.1	1259.5	1250.6	1245.3
35°	1316.0	1317.7	1335.4	1369.0	1390.2	1395.5	1395.5	1370.7	1347.8	1328.3	1319.5
37.5°	1422.0	1427.3	1455.5	1497.9	1538.5	1529.7	1543.8	1499.7	1464.4	1437.9	1425.5
40°	1554.4	1559.7	1602.1	1649.8	1704.6	1706.4	1711.7	1651.6	1605.7	1572.1	1558.0
42.5°	1653.4	1669.3	1722.2	1784.1	1831.8	1851.2	1840.6	1785.8	1724.0	1681.6	1665.7
45°	1757.6	1773.5	1837.1	1906.0	1957.2	1978.4	1960.7	1907.7	1842.4	1787.6	1768.2
47.5°	1861.8	1877.7	1943.1	2019.0	2082.6	2096.7	2086.1	2022.5	1946.6	1886.5	1867.1
50°	1964.2	1983.7	2047.3	2142.7	2213.3	2223.9	2216.8	2144.4	2049.0	1987.2	1974.8
52.5°	2054.3	2084.4	2178.0	2275.1	2370.5	2381.1	2375.8	2273.4	2165.6	2086.1	2050.8
55°	2163.9	2183.3	2280.4	2439.4	2518.9	2557.8	2531.3	2428.8	2284.0	2193.9	2167.4
57.5°	2261.0	2278.7	2370.5	2524.2	2644.3	2699.1	2654.9	2526.0	2374.1	2273.4	2266.3
60°	2268.1	2287.5	2416.4	2550.7	2704.4	2748.5	2699.1	2559.5	2414.7	2292.8	2261.0
62.5°	2227.4	2252.2	2375.8	2577.2	2718.5	2745.0	2704.4	2561.3	2384.7	2264.5	2229.2
65°	2222.1	2232.7	2340.5	2550.7	2658.4	2711.4	2660.2	2541.9	2351.1	2236.3	2206.2
67.5°	2089.7	2086.1	2231.0	2418.2	2589.6	2647.8	2584.3	2421.7	2243.3	2103.8	2068.5
70°	1914.8	1906.0	2049.0	2255.7	2427.0	2503.0	2423.5	2262.8	2066.7	1920.1	1893.6
72.5°	1681.6	1665.7	1812.3	2033.1	2197.4	2257.5	2193.9	2040.2	1831.8	1692.2	1651.6
75°	1379.6	1358.4	1520.9	1732.8	1883.0	1946.6	1874.2	1754.0	1547.4	1404.3	1349.5
77.5°	1033.3	1005.1	1158.8	1379.6	1512.0	1588.0	1510.3	1397.2	1194.1	1052.8	1008.6
80°	664.2	627.1	750.7	971.5	1086.3	1160.5	1072.2	980.4	784.3	667.7	635.9
82.5°	270.3	238.5	319.7	480.5	570.6	657.1	565.3	485.8	342.7	266.7	245.5
85°	19.4	10.6	15.9	19.4	15.9	30.0	12.4	15.9	14.1	14.1	14.1
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)