

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: P887904

Luminaire Tested: **TT-D5-830-U-CQ-TC**

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887904
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-D5-830-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: 7674 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 74.7
Input Voltage (V): 120.0
Input Current (Ain): 0.62
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.98%
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

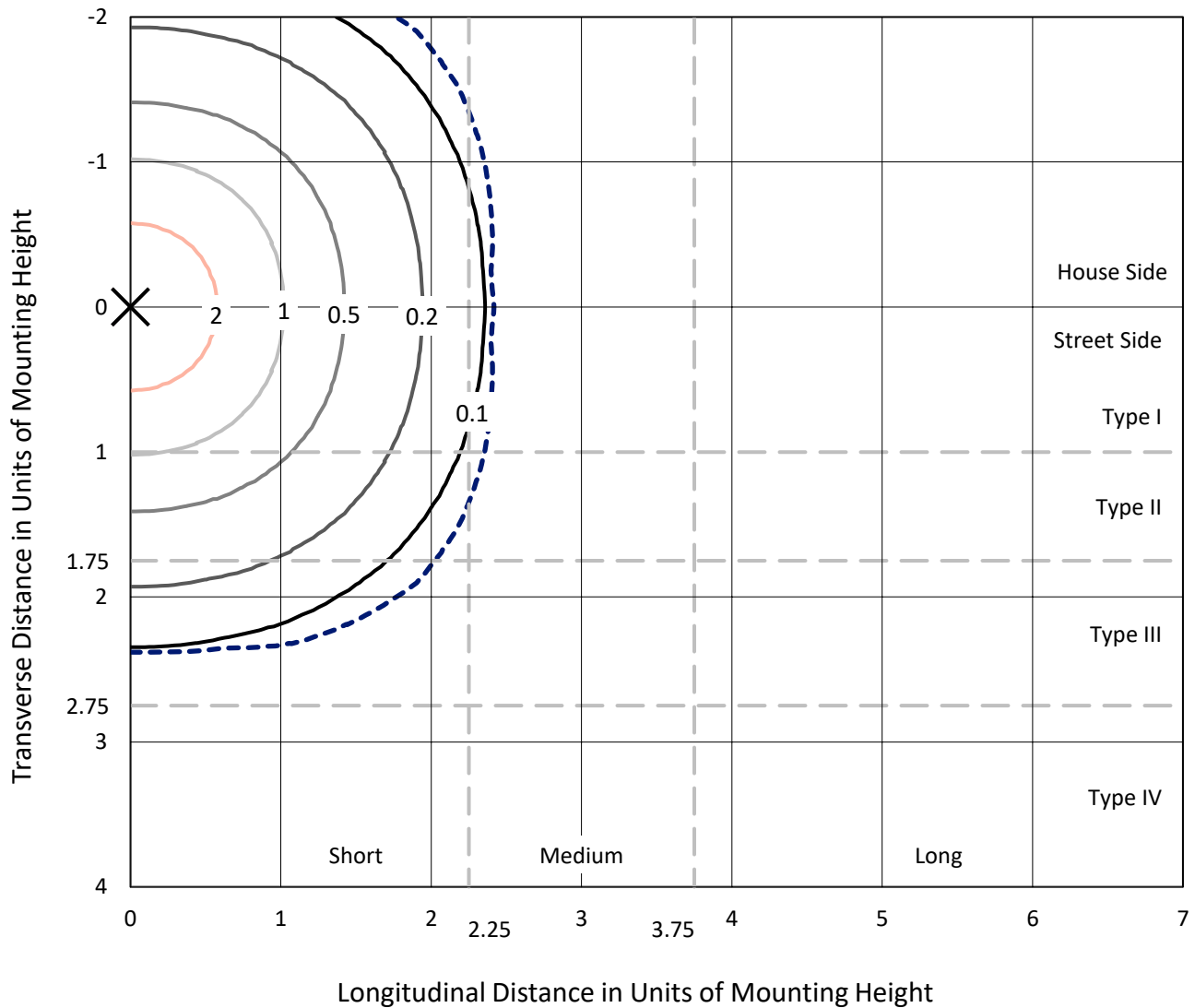


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Iso-Footcandle Lines of Horizontal Illumination

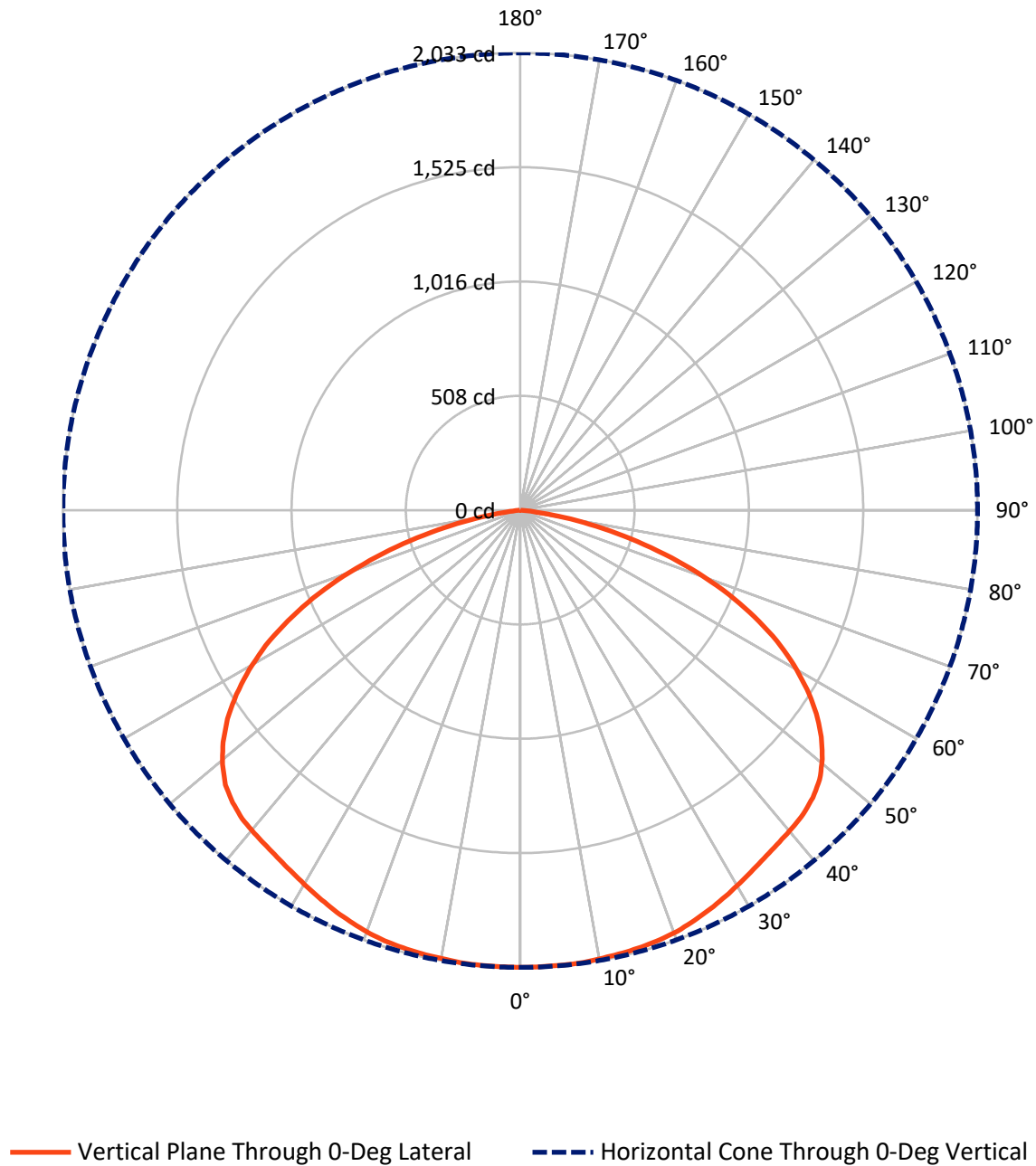
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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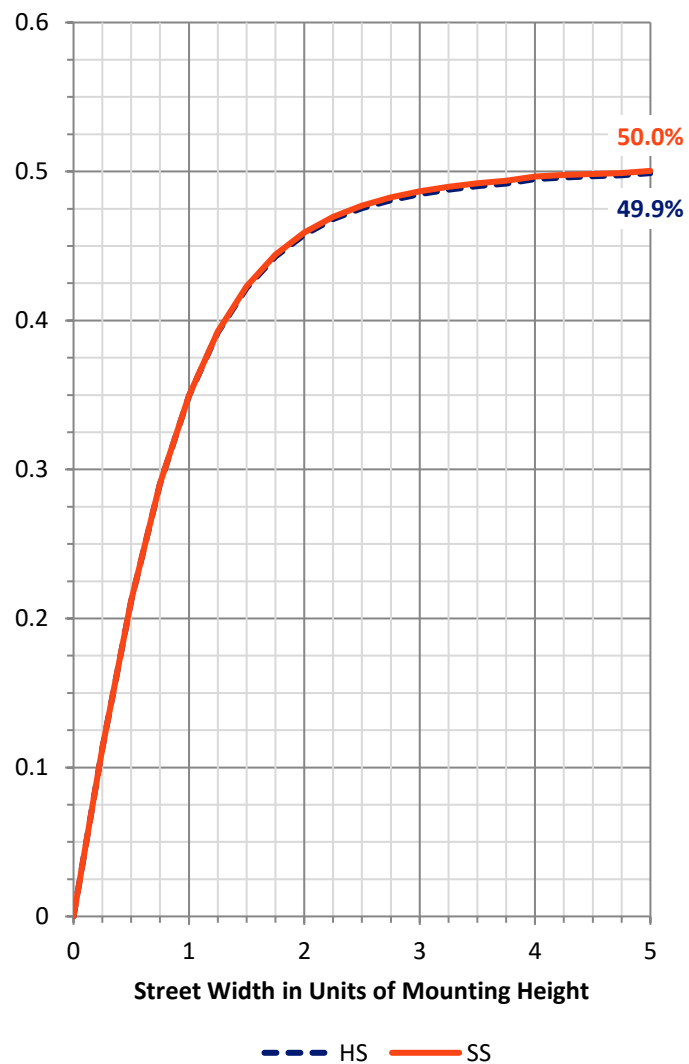
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3837.0	0.0	3837.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3837.0	0.0	3837.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7674.0	0.0	7674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.7	2.5
10°-20°	570.7	7.4
20°-30°	909.4	11.9
30°-40°	1195.0	15.6
40°-50°	1439.9	18.8
50°-60°	1501.9	19.6
60°-70°	1215.2	15.8
70°-80°	589.0	7.7
80°-90°	59.2	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°	7674.0	100.0
0°-180°	7674.0	100.0

Coefficient of Utilization



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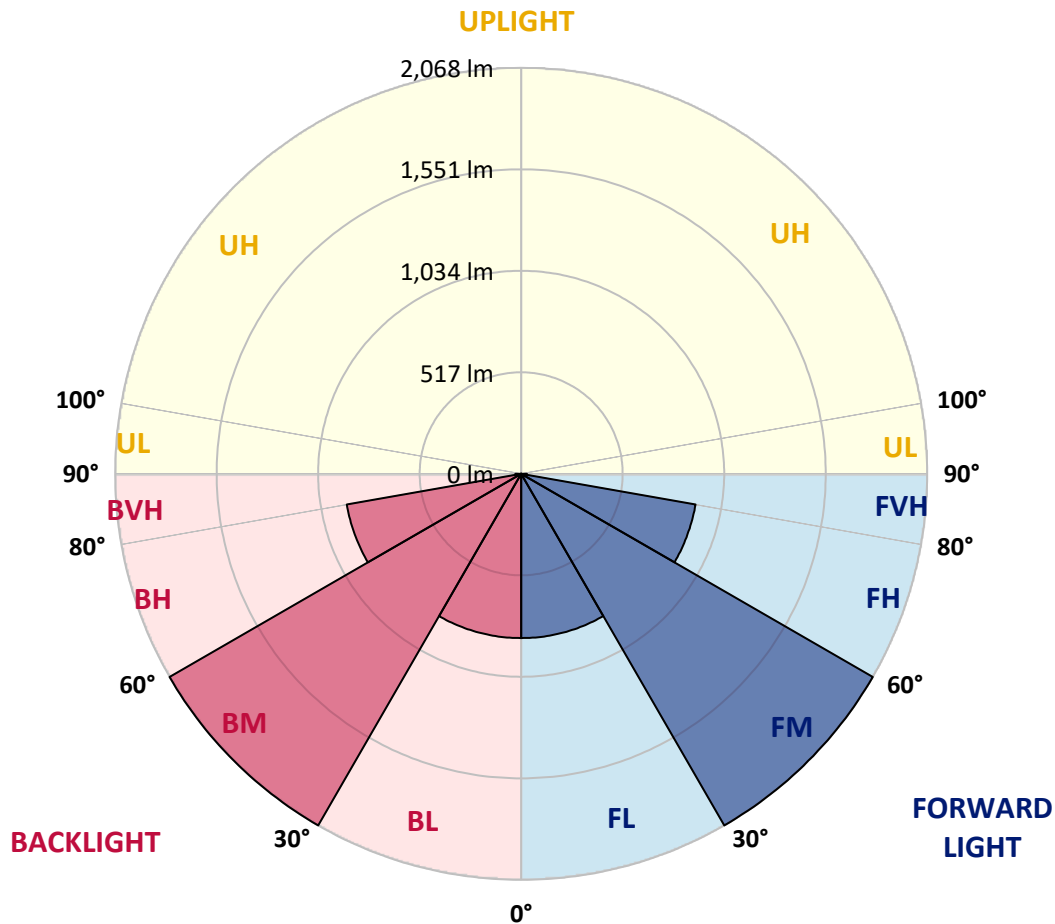
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	836.9	10.9			
FM	(30°-60°)	2068.4	27.0			
FH	(60°-80°)	902.1	11.8			G1/1800
FVH	(80°-90°)	29.6	0.4			G1/100
BL	(0°-30°)	836.9	10.9	B2/1000		
BM	(30°-60°)	2068.4	27.0	B2/2500		
BH	(60°-80°)	902.1	11.8	B2/1000		G1/1800
BVH	(80°-90°)	29.6	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°	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7	2032.7
2.5°	2031.3	2031.3	2031.3	2030.0	2030.0	2030.0	2030.0	2031.3	2031.3	2031.3	2031.3
5°	2031.3	2031.3	2031.3	2031.3	2030.0	2030.0	2030.0	2031.3	2031.3	2031.3	2031.3
7.5°	2030.0	2030.0	2030.0	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6	2028.6
10°	2024.6	2024.6	2026.0	2024.6	2024.6	2024.6	2024.6	2026.0	2024.6	2024.6	2024.6
12.5°	2020.6	2020.6	2020.6	2020.6	2019.2	2020.6	2019.2	2019.2	2019.2	2019.2	2019.2
15°	2015.2	2016.6	2015.2	2015.2	2016.6	2016.6	2015.2	2015.2	2013.9	2013.9	2013.9
17.5°	2008.5	2008.5	2009.8	2009.8	2011.2	2011.2	2009.8	2009.8	2008.5	2007.2	2007.2
20°	1997.8	1999.1	1999.1	2000.4	2001.8	2003.1	2001.8	2000.4	1999.1	1997.8	1996.4
22.5°	1981.6	1983.0	1984.3	1987.0	1988.4	1989.7	1987.0	1985.7	1984.3	1983.0	1983.0
25°	1964.2	1965.5	1966.9	1969.6	1970.9	1972.3	1970.9	1968.2	1966.9	1965.5	1965.5
27.5°	1944.1	1945.4	1946.7	1950.8	1952.1	1953.5	1950.8	1948.1	1945.4	1944.1	1944.1
30°	1923.9	1925.3	1927.9	1932.0	1936.0	1937.3	1932.0	1929.3	1925.3	1922.6	1922.6
32.5°	1903.8	1905.1	1907.8	1915.9	1919.9	1921.2	1918.5	1913.2	1906.5	1902.4	1901.1
35°	1886.3	1889.0	1894.4	1903.8	1909.2	1911.8	1909.2	1901.1	1891.7	1885.0	1885.0
37.5°	1871.6	1875.6	1883.6	1897.1	1907.8	1910.5	1906.5	1895.7	1882.3	1872.9	1871.6
40°	1859.5	1863.5	1875.6	1893.0	1907.8	1911.8	1906.5	1891.7	1874.2	1862.2	1859.5
42.5°	1846.0	1850.1	1866.2	1887.7	1905.1	1911.8	1905.1	1886.3	1863.5	1847.4	1846.0
45°	1823.2	1828.6	1847.4	1875.6	1897.1	1905.1	1897.1	1875.6	1847.4	1828.6	1827.3
47.5°	1791.0	1796.4	1817.9	1854.1	1879.6	1891.7	1883.6	1858.1	1827.3	1803.1	1800.4
50°	1740.0	1749.4	1772.2	1816.5	1846.0	1863.5	1856.8	1828.6	1792.3	1766.8	1764.2
52.5°	1675.5	1684.9	1713.1	1762.8	1796.4	1819.2	1812.5	1781.6	1744.0	1711.8	1710.4
55°	1597.7	1608.4	1637.9	1695.7	1733.3	1758.8	1750.7	1714.5	1672.9	1636.6	1635.3
57.5°	1503.7	1517.1	1549.3	1609.8	1652.7	1682.3	1670.2	1632.6	1584.2	1542.6	1544.0
60°	1397.6	1412.4	1446.0	1509.1	1554.7	1582.9	1572.2	1530.5	1479.5	1435.2	1436.6
62.5°	1280.8	1290.2	1323.8	1389.6	1435.2	1467.4	1451.3	1408.4	1356.0	1310.4	1317.1
65°	1143.9	1153.3	1185.5	1251.3	1294.2	1326.5	1310.4	1266.1	1212.4	1164.0	1174.8
67.5°	1000.2	1002.9	1027.1	1095.5	1135.8	1166.7	1149.2	1106.3	1055.3	1011.0	1019.0
70°	839.1	836.4	861.9	925.0	959.9	988.1	970.7	930.4	884.8	843.1	851.2
72.5°	671.3	668.6	688.7	746.5	769.3	801.5	785.4	747.8	711.6	669.9	678.0
75°	506.2	500.8	518.2	566.6	585.4	613.6	598.8	565.2	535.7	498.1	507.5
77.5°	345.0	341.0	354.4	394.7	406.8	435.0	414.9	392.0	367.9	330.3	343.7
80°	198.7	194.7	202.7	236.3	244.3	263.1	249.7	232.3	213.5	188.0	196.0
82.5°	73.8	76.5	80.6	102.0	110.1	127.5	114.1	100.7	87.3	71.2	76.5
85°	5.4	5.4	5.4	8.1	10.7	17.5	12.1	9.4	6.7	4.0	6.7
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)