

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: P887906

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

Issue Date: 10/9/2024

Test Information

Test Method: LM-79-08
Report Number: P887906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-238-5)
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-RW-TC
Description: RW
3000K, 80 CRI LEDS, RECTANGULAR DISTRIBUTION AND TOTALCOMFORT ACCESSORY
Light Source:
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6098 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

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



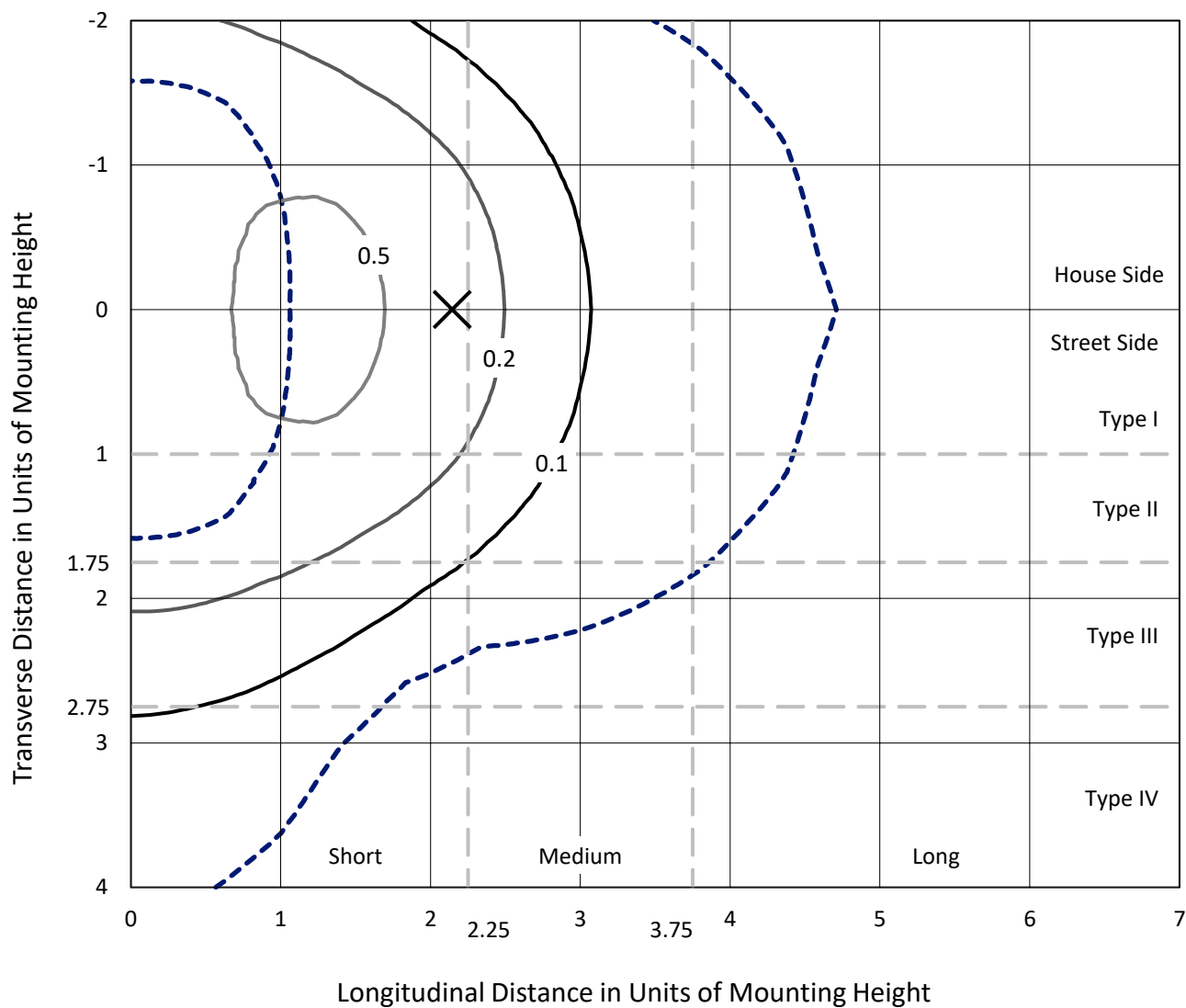
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



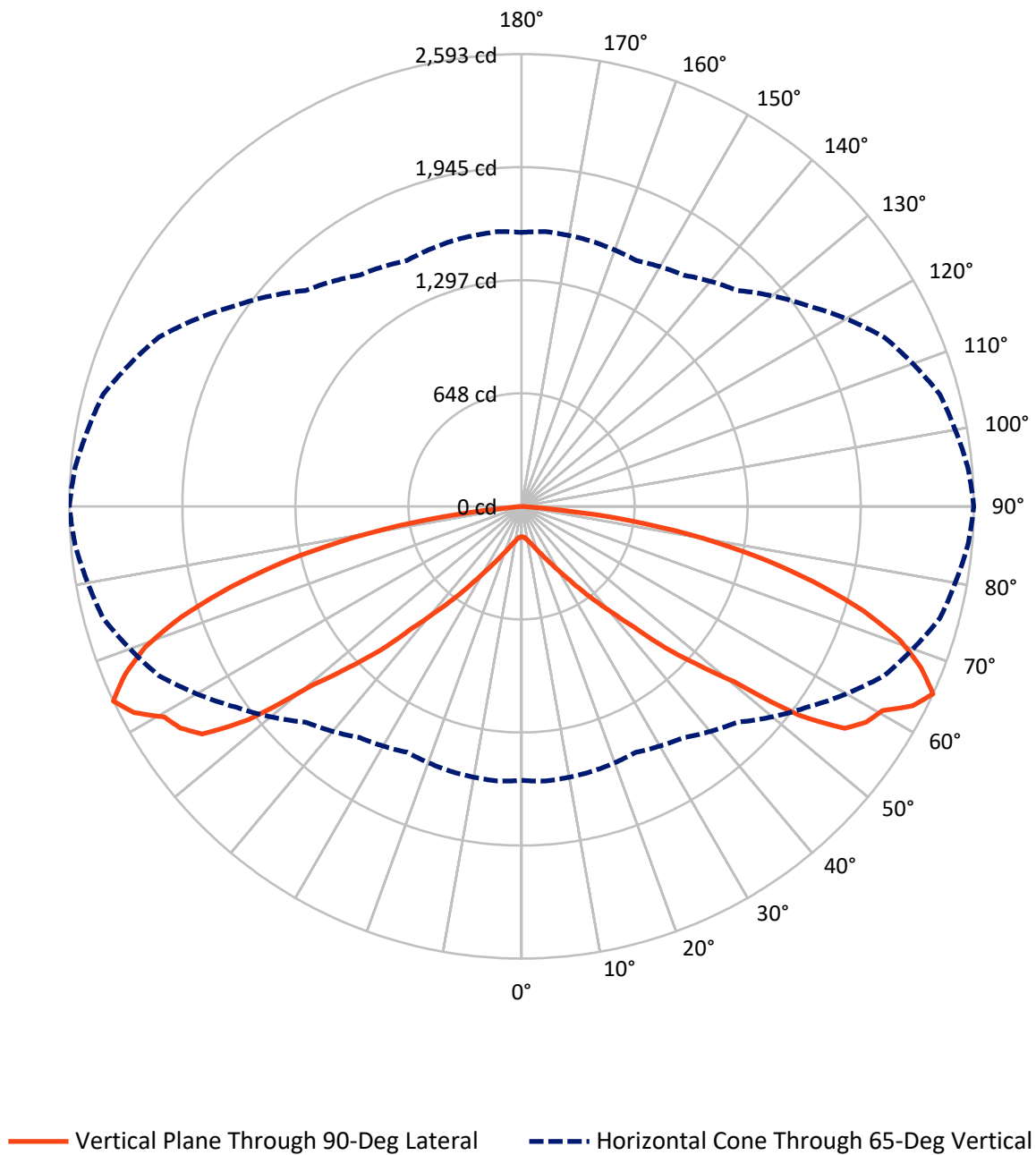
Based on 25 foot mounting height. Maximum calculated value = 0.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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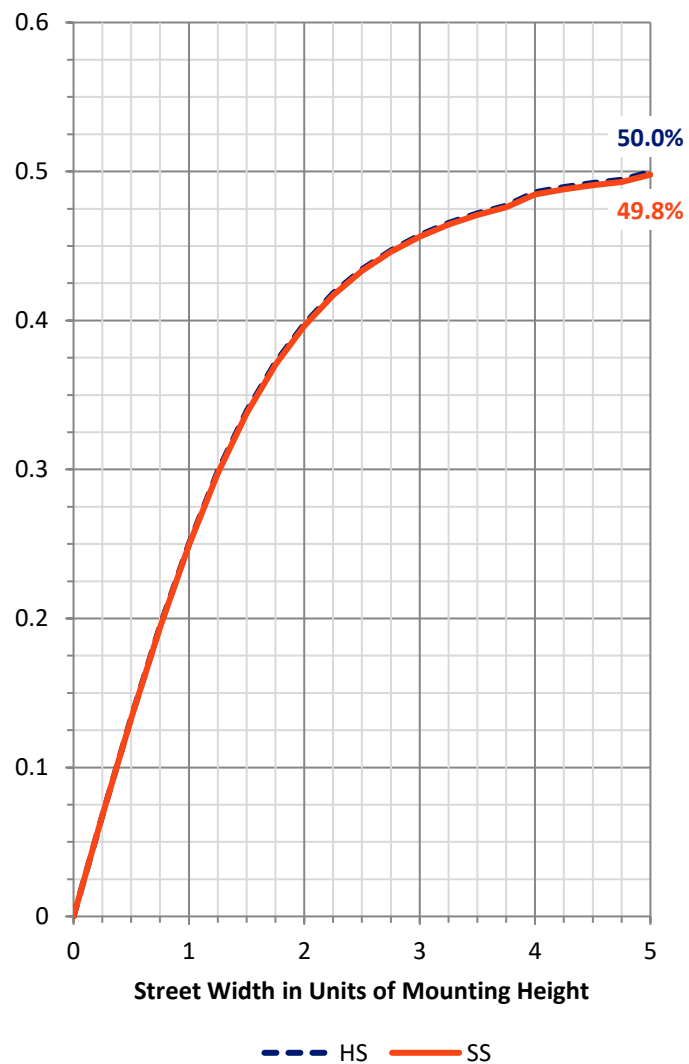
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3049.0	0.0	3049.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3049.0	0.0	3049.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6098.0	0.0	6098.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.3
10°-20°	64.7	1.1
20°-30°	149.3	2.4
30°-40°	325.2	5.3
40°-50°	703.4	11.5
50°-60°	1378.8	22.6
60°-70°	1864.1	30.6
70°-80°	1397.6	22.9
80°-90°	197.1	3.2
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°	6098.0	100.0
0°-180°	6098.0	100.0

Coefficient of Utilization



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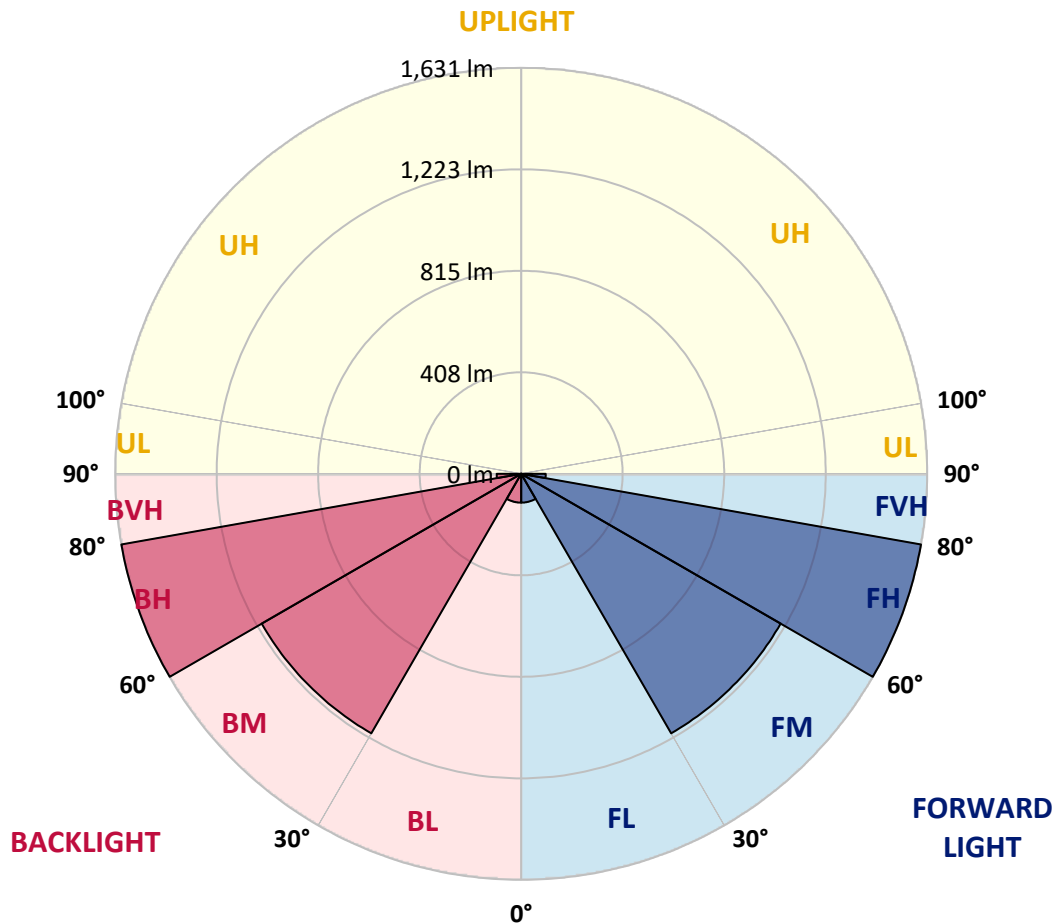
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.9	1.9			
FM	(30°-60°)	1203.7	19.7			
FH	(60°-80°)	1630.9	26.7			G1/1800
FVH	(80°-90°)	98.5	1.6			G1/100
BL	(0°-30°)	115.9	1.9	B1/500		
BM	(30°-60°)	1203.7	19.7	B2/2500		
BH	(60°-80°)	1630.9	26.7	B3/2500		G3/2500
BVH	(80°-90°)	98.5	1.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5
2.5°	176.5	176.5	176.5	176.5	175.8	176.5	175.8	175.8	175.8	175.8	175.8
5°	179.2	179.9	180.5	180.5	180.5	180.5	180.5	180.5	180.5	179.9	179.9
7.5°	185.2	186.6	186.6	187.3	187.3	187.3	187.3	187.3	187.3	186.6	186.6
10°	194.6	195.3	196.0	196.0	196.0	196.7	198.0	198.0	198.0	197.3	198.7
12.5°	205.4	206.1	206.1	206.7	208.1	208.1	208.7	210.1	210.7	210.7	212.1
15°	218.1	219.5	219.5	219.5	222.2	222.8	224.2	225.5	226.9	226.9	228.2
17.5°	232.9	234.9	234.2	234.9	238.3	239.6	242.3	243.6	247.0	248.3	249.7
20°	251.0	253.0	252.4	253.7	256.4	259.7	262.4	267.8	271.2	271.2	273.8
22.5°	273.2	275.2	273.8	274.5	278.5	281.2	287.3	292.6	298.0	300.7	303.4
25°	298.7	301.4	299.3	300.7	304.7	308.1	315.5	324.8	330.9	335.6	339.6
27.5°	332.9	335.6	333.6	333.6	338.9	341.6	352.4	363.1	373.2	377.9	381.2
30°	370.5	374.5	371.2	371.2	377.2	379.9	392.6	408.7	422.8	430.9	436.3
32.5°	414.8	416.8	414.1	414.8	419.5	424.2	443.6	465.8	485.3	495.3	502.0
35°	466.5	470.5	463.8	462.4	469.8	479.2	504.1	537.6	566.5	580.6	587.9
37.5°	526.9	528.9	522.2	520.8	532.2	545.7	580.6	624.9	657.1	675.9	685.9
40°	596.0	602.0	591.3	592.0	603.4	623.5	668.5	721.5	765.1	788.0	798.7
42.5°	671.2	683.3	669.2	667.8	688.6	714.8	769.2	837.6	902.7	936.3	945.0
45°	754.4	772.5	759.1	757.8	785.9	820.2	896.7	1001.4	1086.0	1147.7	1158.4
47.5°	851.0	868.5	852.4	856.4	889.3	944.3	1047.0	1173.9	1276.6	1343.7	1353.1
50°	963.8	966.5	956.4	960.5	1018.2	1090.0	1216.2	1353.8	1504.1	1572.6	1577.3
52.5°	1073.9	1065.8	1058.4	1071.9	1143.0	1232.9	1390.7	1617.5	1829.0	1963.9	1988.0
55°	1182.6	1169.9	1169.2	1189.3	1279.9	1404.8	1607.5	1892.7	2108.8	2221.6	2248.4
57.5°	1286.6	1281.3	1281.9	1298.7	1412.8	1571.2	1807.5	2067.2	2243.1	2319.6	2333.0
60°	1387.3	1396.7	1390.0	1417.5	1541.0	1699.4	1882.6	2134.3	2305.5	2371.9	2378.6
62.5°	1485.3	1494.7	1492.0	1514.2	1596.7	1729.6	1922.9	2216.2	2413.5	2508.2	2518.2
65°	1571.2	1581.3	1572.6	1555.8	1618.9	1750.4	2005.5	2295.4	2483.3	2569.3	2593.4
67.5°	1634.3	1637.0	1604.1	1559.8	1595.4	1704.1	1949.8	2227.6	2391.4	2447.8	2471.3
70°	1669.2	1649.1	1589.3	1503.4	1482.6	1566.5	1810.2	2054.5	2222.9	2280.7	2303.5
72.5°	1630.3	1601.4	1495.4	1359.1	1292.7	1357.1	1595.4	1825.6	1964.5	2022.9	2051.1
75°	1493.4	1449.7	1312.8	1144.4	1051.7	1114.2	1326.2	1532.3	1651.8	1696.7	1728.9
77.5°	1223.6	1190.7	1051.7	879.9	784.6	829.6	1013.5	1175.2	1296.7	1328.9	1374.6
80°	855.7	819.5	728.9	584.6	496.7	518.1	657.8	786.6	892.0	934.9	977.2
82.5°	423.5	396.0	363.1	283.2	217.5	218.8	298.0	359.1	453.0	491.3	534.3
85°	15.4	17.5	20.8	25.5	20.1	15.4	28.9	34.2	23.5	36.9	22.8
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)