

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: P939653

Luminaire Tested: **GALN-SB2B-835-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10333 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

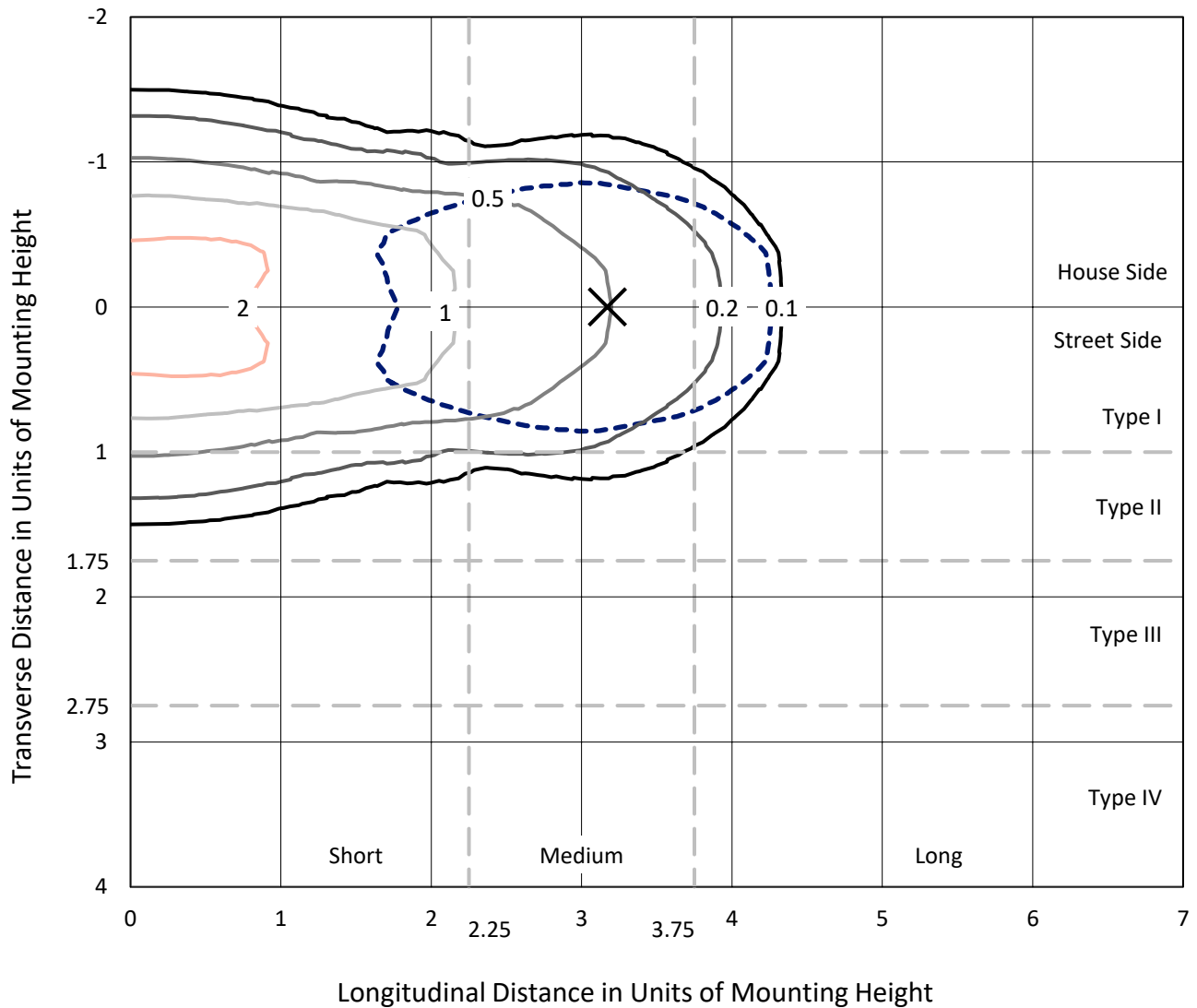
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

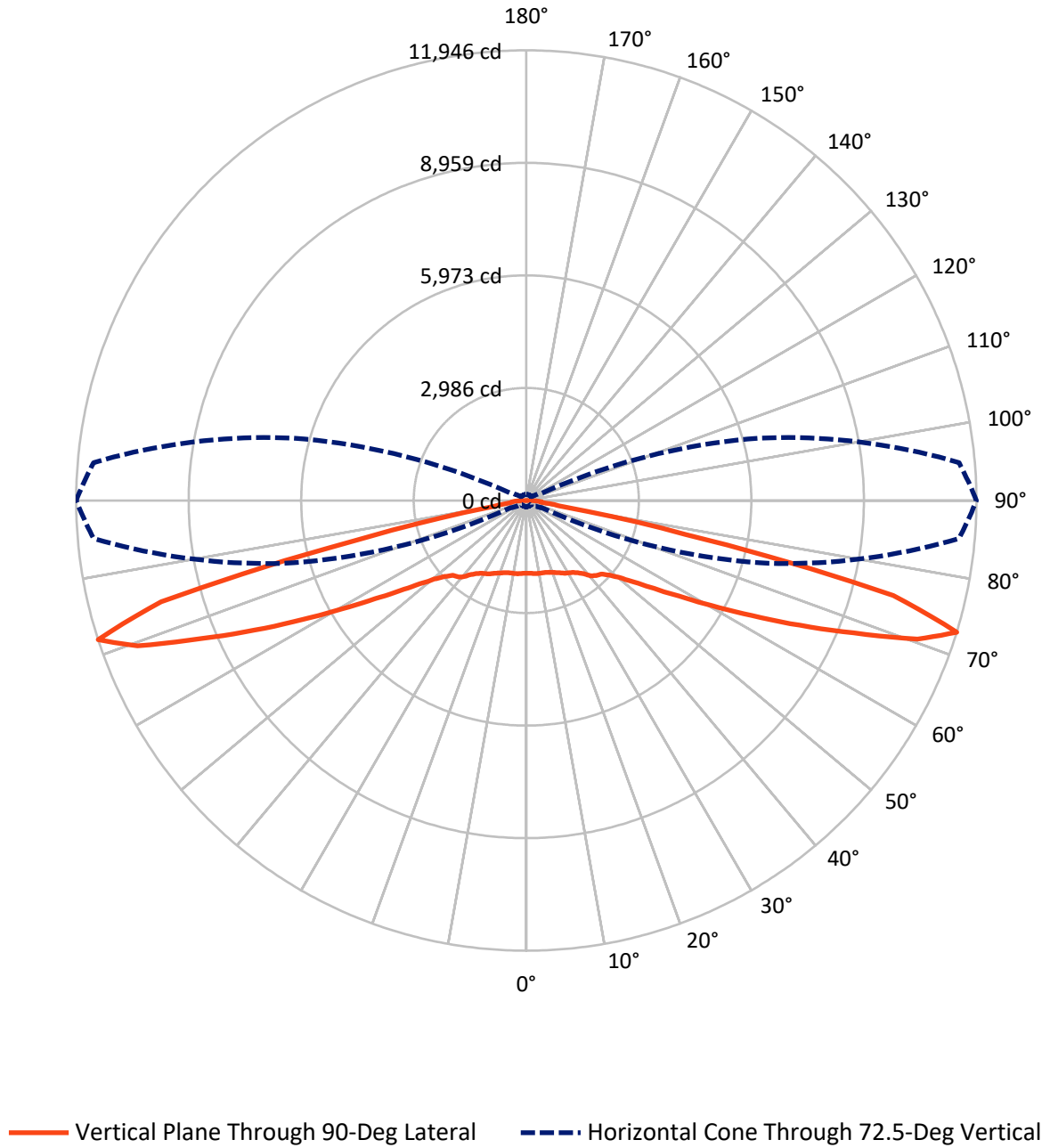
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5166.5	0.0	5166.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5166.5	0.0	5166.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10333.0	0.0	10333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	1.8
10°-20°	572.4	5.5
20°-30°	954.5	9.2
30°-40°	1312.7	12.7
40°-50°	1603.2	15.5
50°-60°	1854.2	17.9
60°-70°	2210.9	21.4
70°-80°	1543.1	14.9
80°-90°	94.8	0.9
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°	10333.0	100.0
0°-180°	10333.0	100.0

Coefficient of Utilization



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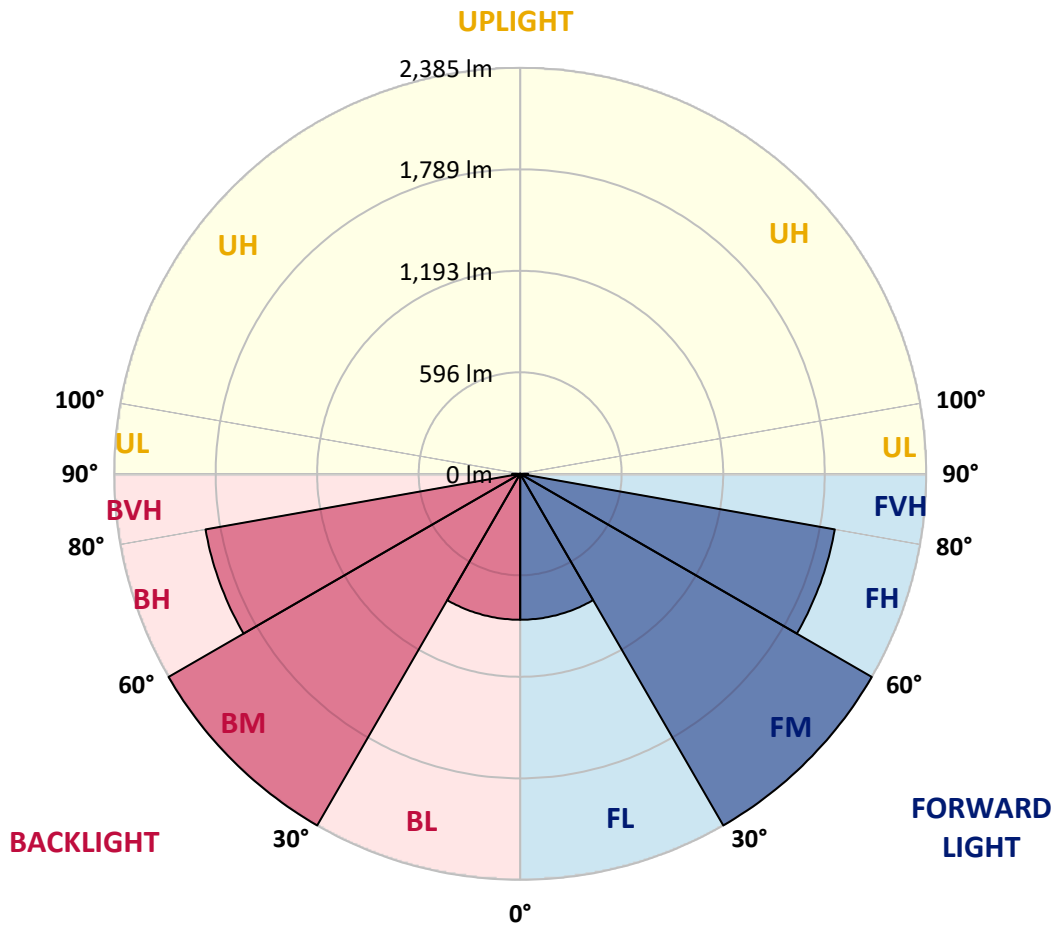
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	857.1	8.3			
FM (30°-60°)	2385.1	23.1			
FH (60°-80°)	1877.0	18.2			G2/5000
FVH (80°-90°)	47.4	0.5			G1/100
BL (0°-30°)	857.1	8.3	B2/1000		
BM (30°-60°)	2385.1	23.1	B2/2500		
BH (60°-80°)	1877.0	18.2	B3/2500		G3/2500
BVH (80°-90°)	47.4	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1930.8	1930.8	1930.8	1930.8	1930.8	1930.8	1930.8	1930.8	1930.8	1930.8
2.5°	1932.5	1934.7	1934.7	1933.0	1936.9	1933.6	1933.6	1931.9	1933.6	1931.9
5°	1942.4	1945.1	1946.2	1945.7	1950.6	1947.9	1947.9	1945.7	1946.2	1944.6
7.5°	1961.0	1964.9	1967.1	1969.8	1977.0	1973.7	1971.5	1964.9	1962.1	1957.7
10°	1967.1	1971.5	1978.6	1992.9	2009.4	2009.9	2003.3	1986.8	1974.2	1964.3
12.5°	1948.4	1954.4	1969.3	1998.4	2035.2	2050.0	2039.6	2012.1	1987.4	1969.8
15°	1924.8	1931.4	1953.9	1997.8	2052.2	2086.8	2085.7	2049.4	2009.9	1982.5
17.5°	1888.0	1894.6	1927.0	1988.5	2065.4	2122.5	2137.9	2100.5	2045.1	2008.3
20°	1821.5	1827.6	1872.6	1958.8	2069.8	2160.4	2200.5	2167.5	2098.3	2048.3
22.5°	1735.3	1744.7	1797.4	1907.8	2059.3	2199.9	2271.9	2249.3	2160.4	2091.2
25°	1643.1	1653.0	1714.5	1845.2	2032.4	2228.5	2356.4	2342.1	2230.7	2144.5
27.5°	1563.4	1573.9	1640.9	1783.1	1990.7	2239.5	2439.9	2447.0	2315.8	2203.2
30°	1500.8	1510.7	1582.1	1733.1	1936.9	2228.5	2512.9	2562.4	2402.6	2254.3
32.5°	1432.2	1444.8	1520.1	1672.2	1873.2	2202.1	2576.6	2687.0	2503.0	2309.2
35°	1345.4	1357.0	1436.0	1588.7	1789.7	2159.8	2629.9	2825.4	2646.9	2392.7
37.5°	1240.0	1251.0	1329.5	1484.4	1706.8	2100.5	2670.5	2981.4	2818.3	2512.9
40°	1134.0	1144.4	1218.0	1367.9	1607.4	2024.7	2684.8	3134.0	3014.9	2678.2
42.5°	1036.8	1046.1	1113.7	1253.2	1495.9	1928.1	2666.1	3266.9	3191.1	2793.6
45°	947.3	955.5	1015.4	1145.5	1380.0	1810.6	2610.1	3409.7	3400.9	2875.9
47.5°	845.2	853.4	915.4	1041.2	1264.2	1672.7	2515.1	3550.3	3692.5	3062.6
50°	720.5	727.6	791.3	920.9	1143.9	1526.1	2383.3	3660.7	4060.5	3345.5
52.5°	572.8	580.5	642.5	772.1	1001.1	1368.5	2209.8	3732.6	4485.5	3758.4
55°	426.1	431.6	485.5	601.9	824.3	1188.9	1992.3	3752.9	4967.7	4323.0
57.5°	309.2	312.5	347.1	433.8	624.9	964.3	1728.2	3700.2	5541.5	5046.7
60°	250.4	251.5	261.9	300.4	434.4	710.6	1409.1	3519.0	6164.3	5979.8
62.5°	227.4	227.4	230.1	240.5	293.8	469.0	1023.1	3143.4	6832.0	7158.8
65°	211.4	211.4	212.5	217.5	231.7	298.7	645.8	2531.6	7394.9	8539.9
67.5°	197.1	197.7	197.1	198.8	207.0	220.8	374.5	1748.5	7698.1	9971.0
70°	182.3	183.4	180.7	180.7	187.3	187.8	234.5	958.8	7446.5	11170.4
72.5°	164.7	166.4	162.0	160.9	165.8	163.6	176.3	460.2	6393.3	11528.4
75°	149.4	151.6	141.7	138.9	138.9	137.3	143.3	236.1	4149.4	9404.3
77.5°	135.6	140.0	124.1	115.3	113.1	108.2	117.0	144.4	1815.0	4415.2
80°	112.0	118.1	102.1	91.7	87.9	82.4	92.3	101.0	539.8	1025.3
82.5°	83.5	86.2	72.5	65.3	62.1	58.2	69.2	70.3	175.7	363.0
85°	53.3	54.4	44.5	38.4	36.8	35.1	43.9	38.4	67.0	266.9
87.5°	18.7	21.4	17.0	15.4	16.5	13.7	20.3	11.5	18.7	188.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1930.8
1931.9
1944.6
1957.7
1962.7
1967.1
1978.1
2002.2
2039.0
2078.6
2126.9
2184.5
2227.4
2275.2
2354.8
2462.4
2624.4
2724.4
2782.6
2955.0
3210.4
3592.0
4114.8
4784.8
5649.7
6716.7
7980.9
9367.5
11011.7
11945.8
10058.9
4323.5
981.9
410.2
387.7
233.4
0.0

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