

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: P939643

Luminaire Tested: **GALN-SB2B-830-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939643  
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-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10010 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

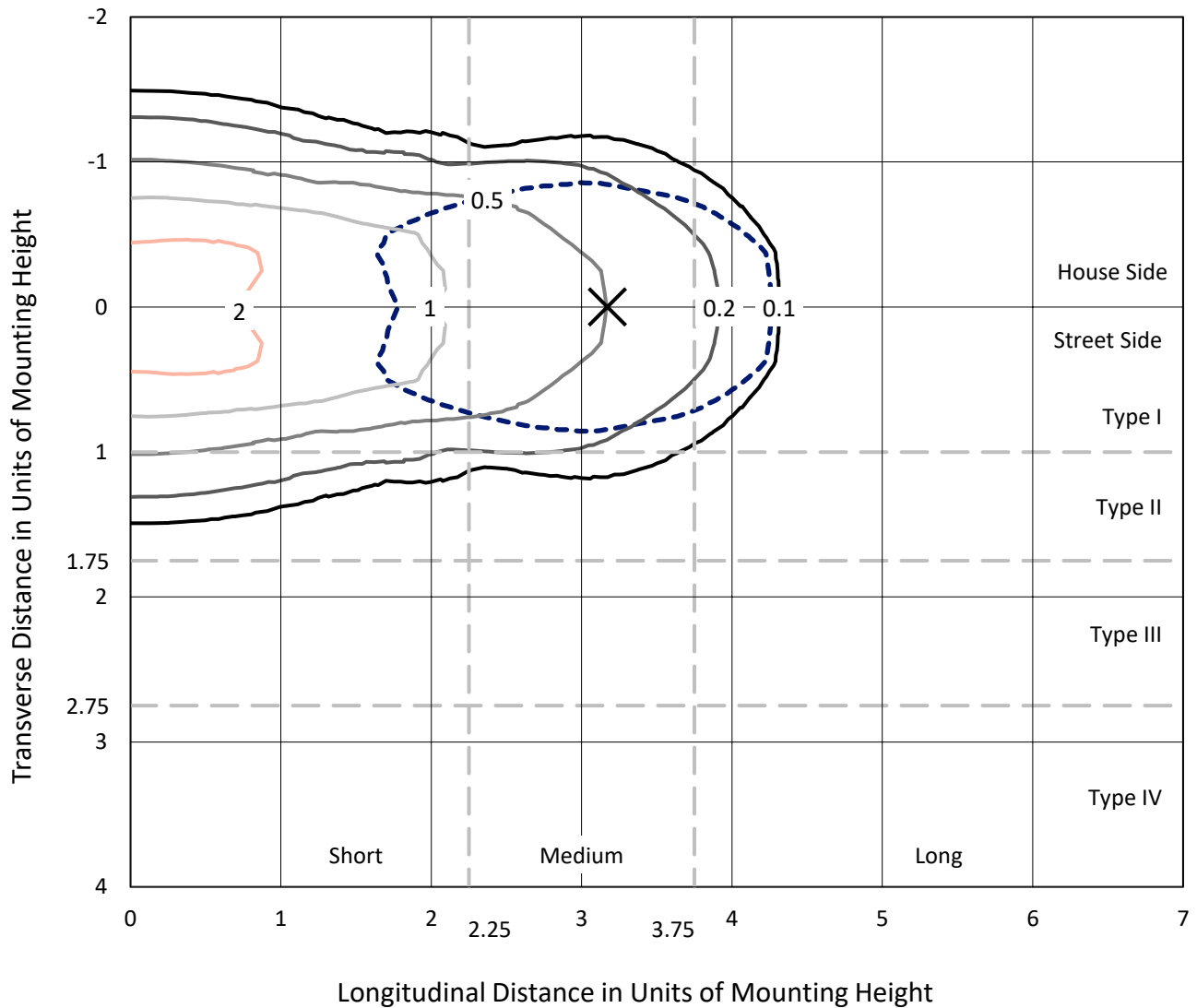
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

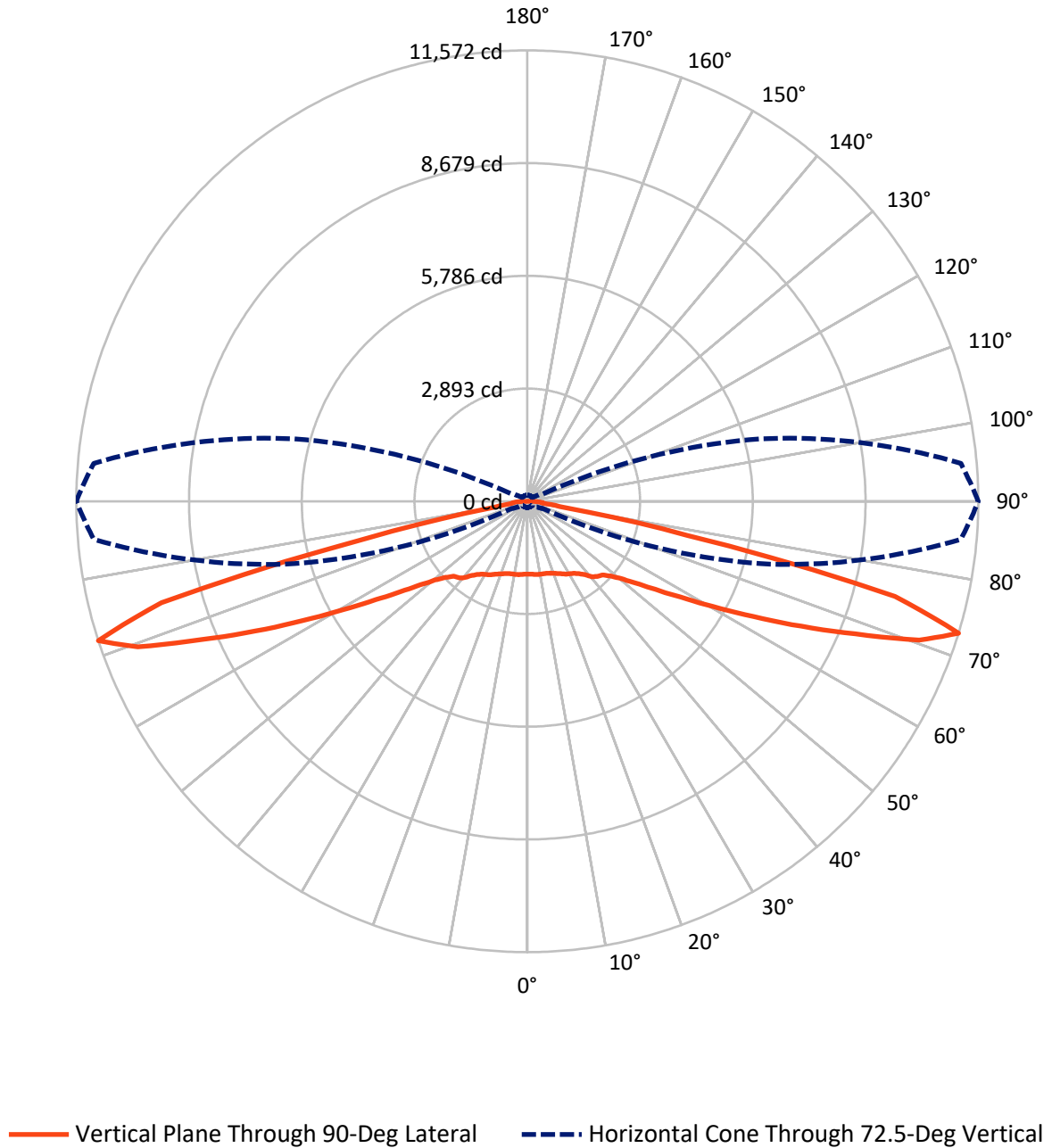
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5005.0	0.0	5005.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5005.0	0.0	5005.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10010.0	0.0	10010.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.4	1.8
10°-20°	554.5	5.5
20°-30°	924.6	9.2
30°-40°	1271.7	12.7
40°-50°	1553.1	15.5
50°-60°	1796.3	17.9
60°-70°	2141.8	21.4
70°-80°	1494.8	14.9
80°-90°	91.8	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°	10010.0	100.0
0°-180°	10010.0	100.0

**Coefficient of Utilization**



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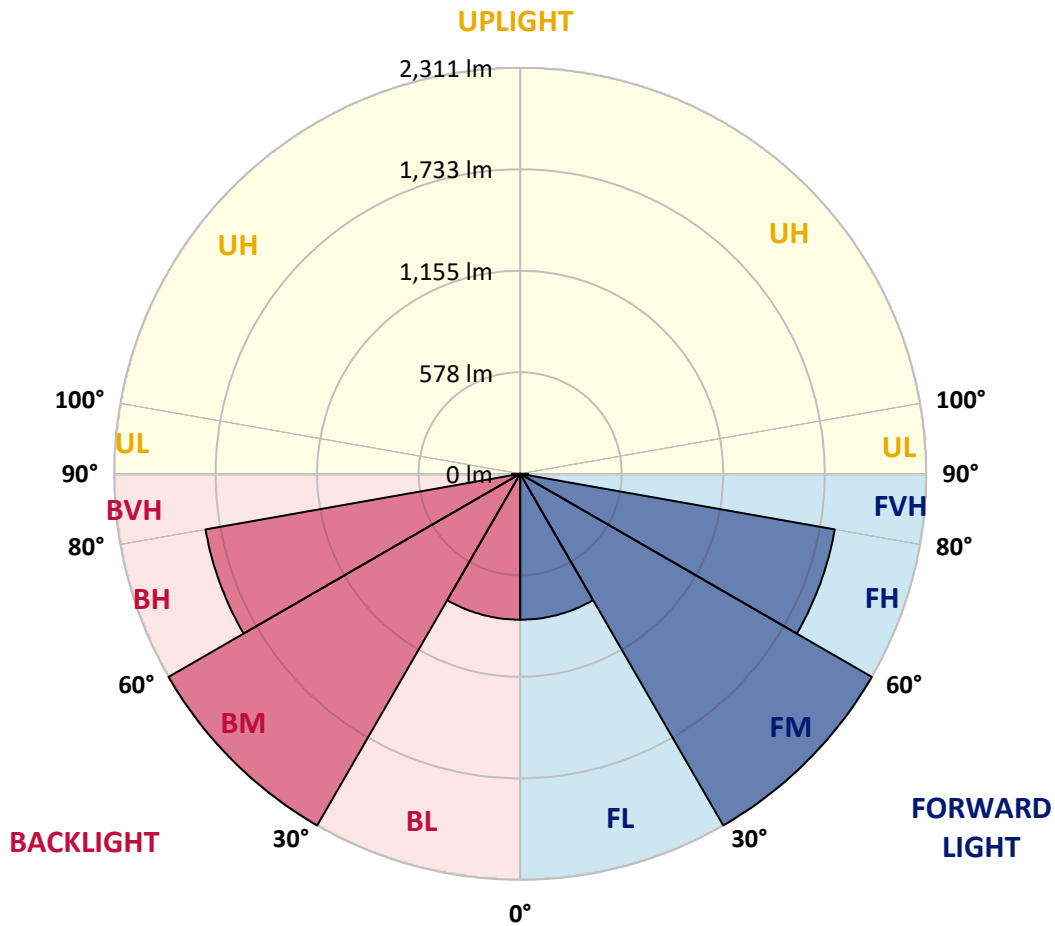
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	830.3	8.3			
FM (30°-60°)	2310.5	23.1			
FH (60°-80°)	1818.3	18.2			G2/5000
FVH (80°-90°)	45.9	0.5			G1/100
BL (0°-30°)	830.3	8.3	B2/1000		
BM (30°-60°)	2310.5	23.1	B2/2500		
BH (60°-80°)	1818.3	18.2	B3/2500		G3/2500
BVH (80°-90°)	45.9	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°	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5	1870.5
2.5°	1872.1	1874.2	1874.2	1872.6	1876.3	1873.1	1873.1	1871.5	1873.1	1871.5
5°	1881.6	1884.3	1885.4	1884.8	1889.6	1887.0	1887.0	1884.8	1885.4	1883.8
7.5°	1899.7	1903.5	1905.6	1908.2	1915.2	1912.0	1909.8	1903.5	1900.8	1896.5
10°	1905.6	1909.8	1916.8	1930.6	1946.5	1947.1	1940.7	1924.7	1912.5	1902.9
12.5°	1887.5	1893.3	1907.7	1935.9	1971.6	1985.9	1975.8	1949.2	1925.3	1908.2
15°	1864.6	1871.0	1892.8	1935.4	1988.0	2021.6	2020.5	1985.4	1947.1	1920.5
17.5°	1829.0	1835.4	1866.8	1926.3	2000.8	2056.1	2071.0	2034.9	1981.1	1945.5
20°	1764.6	1770.5	1814.1	1897.6	2005.1	2092.8	2131.7	2099.8	2032.7	1984.3
22.5°	1681.1	1690.1	1741.2	1848.1	1995.0	2131.1	2200.8	2179.0	2092.8	2025.8
25°	1591.7	1601.3	1660.9	1787.5	1968.9	2158.8	2282.8	2268.9	2160.9	2077.4
27.5°	1514.6	1524.7	1589.6	1727.4	1928.5	2169.5	2363.6	2370.5	2243.4	2134.3
30°	1453.9	1463.5	1532.7	1679.0	1876.3	2158.8	2434.4	2482.3	2327.5	2183.8
32.5°	1387.4	1399.7	1472.5	1619.9	1814.6	2133.3	2496.1	2603.0	2424.8	2237.0
35°	1303.4	1314.5	1391.2	1539.0	1733.8	2092.3	2547.7	2737.1	2564.2	2317.9
37.5°	1201.2	1211.9	1287.9	1438.0	1653.4	2034.9	2587.1	2888.2	2730.2	2434.4
40°	1098.6	1108.7	1180.0	1325.2	1557.1	1961.4	2600.9	3036.1	2920.6	2594.5
42.5°	1004.4	1013.4	1078.9	1214.0	1449.1	1867.8	2582.8	3164.8	3091.4	2706.2
45°	917.7	925.7	983.6	1109.7	1336.9	1754.0	2528.5	3303.1	3294.6	2786.0
47.5°	818.7	826.7	886.8	1008.7	1224.6	1620.4	2436.5	3439.3	3577.1	2966.9
50°	698.0	704.9	766.6	892.1	1108.1	1478.4	2308.8	3546.2	3933.5	3240.9
52.5°	554.9	562.3	622.4	748.0	969.8	1325.7	2140.7	3615.9	4345.3	3640.9
55°	412.8	418.1	470.3	583.1	798.5	1151.8	1930.1	3635.6	4812.4	4187.8
57.5°	299.5	302.7	336.2	420.3	605.4	934.2	1674.2	3584.5	5368.3	4889.0
60°	242.6	243.7	253.8	291.0	420.8	688.4	1365.1	3409.0	5971.6	5792.8
62.5°	220.2	220.2	222.9	233.0	284.6	454.3	991.1	3045.1	6618.5	6935.0
65°	204.8	204.8	205.9	210.7	224.5	289.4	625.6	2452.5	7163.8	8273.0
67.5°	191.0	191.5	191.0	192.6	200.6	213.9	362.8	1693.9	7457.4	9659.3
70°	176.6	177.7	175.0	175.0	181.4	181.9	227.2	928.9	7213.8	10821.2
72.5°	159.6	161.2	156.9	155.9	160.7	158.5	170.8	445.8	6193.4	11168.1
75°	144.7	146.8	137.3	134.6	134.6	133.0	138.8	228.8	4019.7	9110.3
77.5°	131.4	135.7	120.2	111.7	109.6	104.8	113.3	139.9	1758.2	4277.2
80°	108.5	114.4	98.9	88.8	85.1	79.8	89.4	97.9	522.9	993.2
82.5°	80.9	83.5	70.2	63.3	60.1	56.4	67.0	68.1	170.2	351.6
85°	51.6	52.7	43.1	37.2	35.6	34.0	42.6	37.2	64.9	258.5
87.5°	18.1	20.7	16.5	14.9	16.0	13.3	19.7	11.2	18.1	182.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1870.5  
1871.5  
1883.8  
1896.5  
1901.3  
1905.6  
1916.2  
1939.6  
1975.3  
2013.6  
2060.4  
2116.3  
2157.7  
2204.0  
2281.2  
2385.4  
2542.4  
2639.2  
2695.6  
2862.6  
3110.0  
3479.7  
3986.2  
4635.2  
5473.1  
6506.8  
7731.4  
9074.7  
10667.4  
11572.4  
9744.4  
4188.4  
951.2  
397.4  
375.6  
226.1  
0.0

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