

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: P939593

Luminaire Tested: **GALN-SB2B-735-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939593  
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-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11140 lumens  
Efficiency: N/A  
Efficacy: 150.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

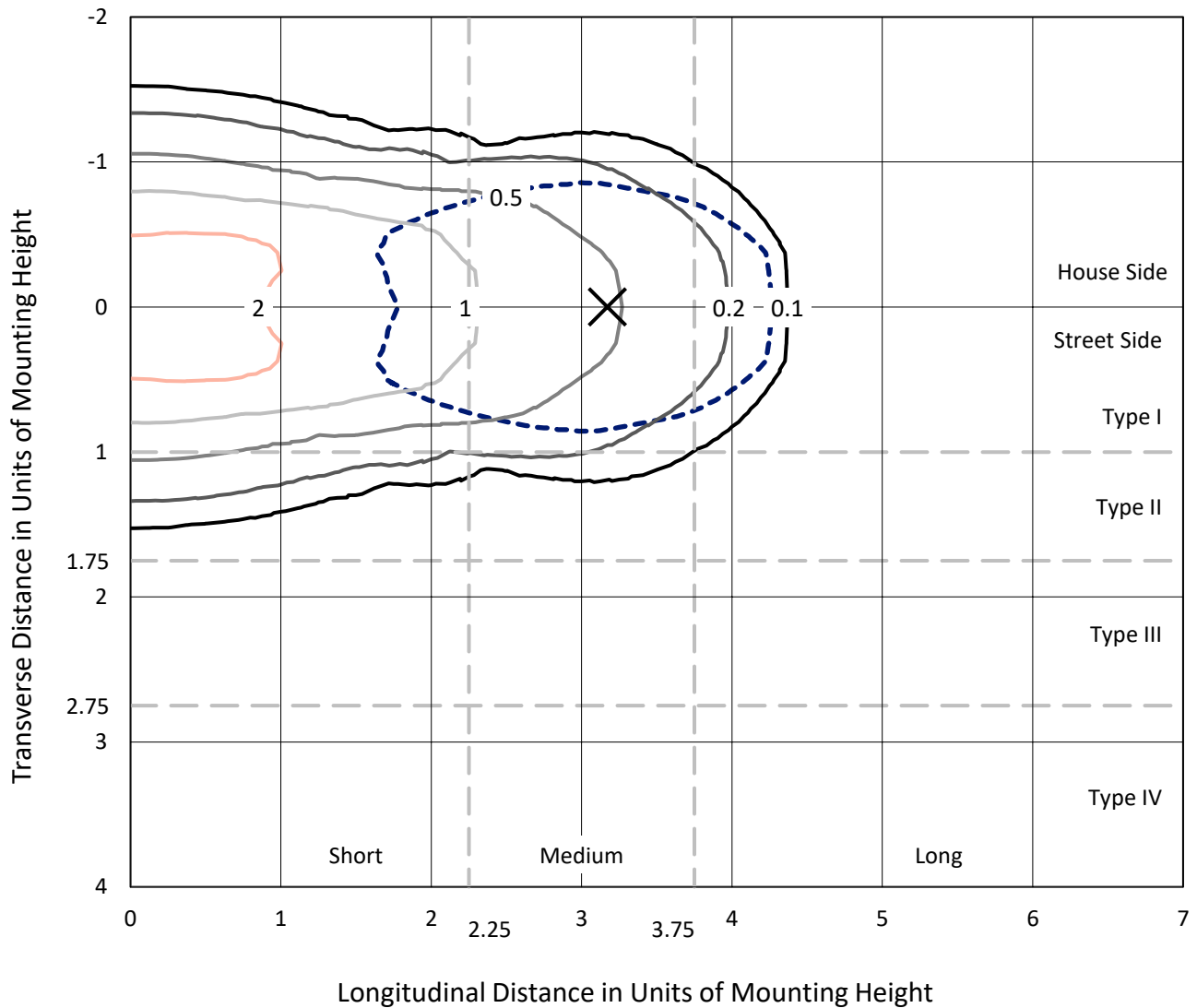
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

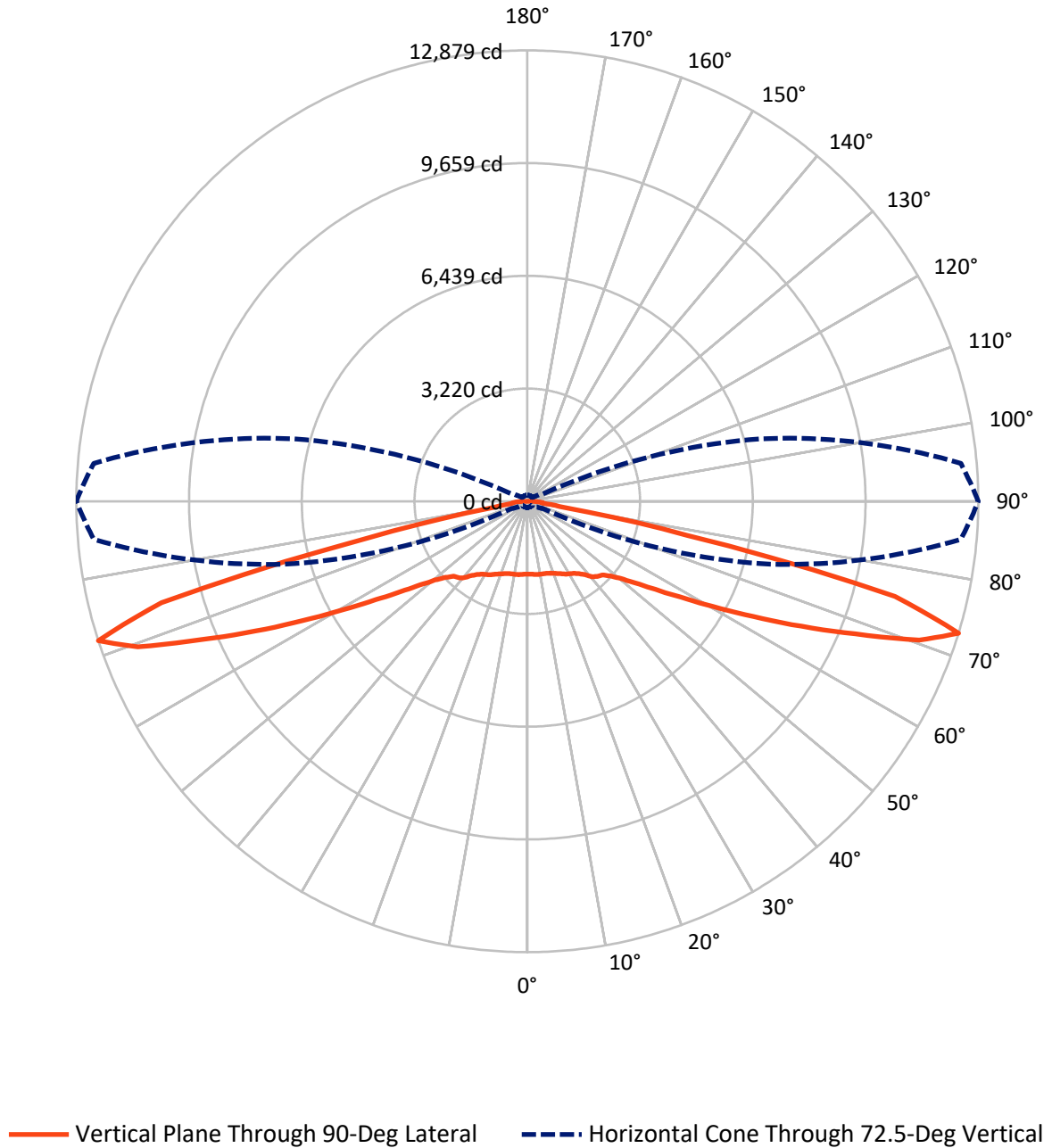
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	5570.0	0.0	5570.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5570.0	0.0	5570.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11140.0	0.0	11140.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.8	1.8
10°-20°	617.1	5.5
20°-30°	1029.0	9.2
30°-40°	1415.2	12.7
40°-50°	1728.4	15.5
50°-60°	1999.1	17.9
60°-70°	2383.6	21.4
70°-80°	1663.6	14.9
80°-90°	102.2	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°	11140.0	100.0
0°-180°	11140.0	100.0



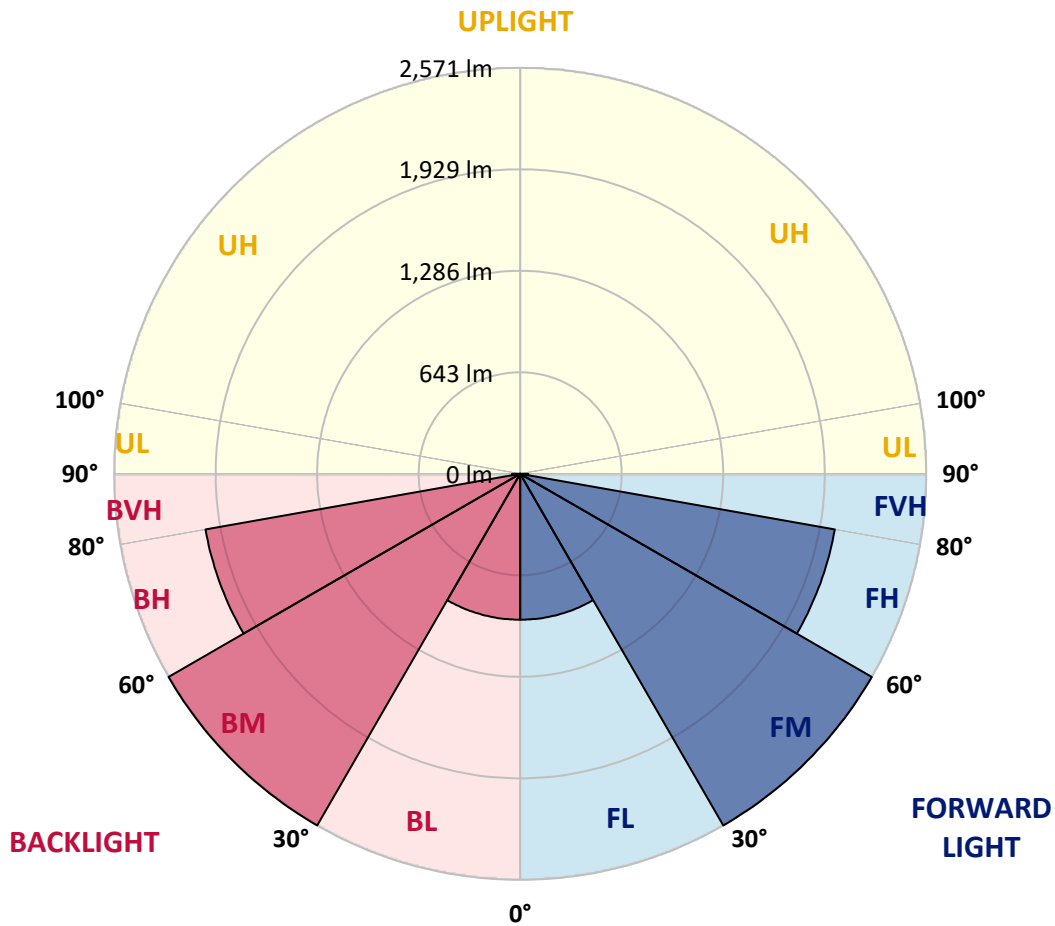
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.0	8.3			
FM (30°-60°)	2571.3	23.1			
FH (60°-80°)	2023.6	18.2			G2/5000
FVH (80°-90°)	51.1	0.5			G1/100
BL (0°-30°)	924.0	8.3	B2/1000		
BM (30°-60°)	2571.3	23.1	B3/5000		
BH (60°-80°)	2023.6	18.2	B3/2500		G3/2500
BVH (80°-90°)	51.1	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°	2081.6	2081.6	2081.6	2081.6	2081.6	2081.6	2081.6	2081.6	2081.6	2081.6
2.5°	2083.4	2085.8	2085.8	2084.0	2088.1	2084.6	2084.6	2082.8	2084.6	2082.8
5°	2094.1	2097.0	2098.2	2097.6	2102.9	2100.0	2100.0	2097.6	2098.2	2096.4
7.5°	2114.2	2118.3	2120.7	2123.7	2131.4	2127.8	2125.4	2118.3	2115.4	2110.6
10°	2120.7	2125.4	2133.1	2148.5	2166.3	2166.9	2159.8	2142.0	2128.4	2117.7
12.5°	2100.6	2107.1	2123.1	2154.4	2194.1	2210.1	2198.9	2169.2	2142.6	2123.7
15°	2075.1	2082.2	2106.5	2153.9	2212.5	2249.8	2248.6	2209.5	2166.9	2137.3
17.5°	2035.4	2042.6	2077.5	2143.8	2226.7	2288.2	2304.8	2264.6	2204.8	2165.1
20°	1963.8	1970.3	2018.9	2111.8	2231.4	2329.1	2372.3	2336.8	2262.2	2208.3
22.5°	1870.9	1880.9	1937.8	2056.8	2220.2	2371.7	2449.3	2425.0	2329.1	2254.5
25°	1771.4	1782.1	1848.4	1989.3	2191.2	2402.5	2540.5	2525.1	2404.9	2311.9
27.5°	1685.5	1696.8	1769.0	1922.4	2146.2	2414.4	2630.5	2638.1	2496.6	2375.3
30°	1618.1	1628.7	1705.7	1868.5	2088.1	2402.5	2709.2	2762.5	2590.2	2430.3
32.5°	1544.1	1557.7	1638.8	1802.8	2019.5	2374.1	2777.9	2896.9	2698.5	2489.5
35°	1450.5	1462.9	1548.2	1712.8	1929.5	2328.5	2835.3	3046.1	2853.7	2579.5
37.5°	1336.8	1348.7	1433.3	1600.3	1840.1	2264.6	2879.1	3214.2	3038.4	2709.2
40°	1222.6	1233.8	1313.2	1474.8	1732.9	2182.9	2894.5	3378.8	3250.3	2887.4
42.5°	1117.8	1127.8	1200.7	1351.0	1612.7	2078.7	2874.4	3522.1	3440.4	3011.7
45°	1021.3	1030.2	1094.7	1235.0	1487.8	1952.0	2814.0	3676.0	3666.5	3100.5
47.5°	911.2	920.0	986.9	1122.5	1362.9	1803.4	2711.6	3827.6	3980.9	3301.8
50°	776.8	784.5	853.1	992.9	1233.2	1645.3	2569.5	3946.6	4377.6	3606.7
52.5°	617.5	625.8	692.7	832.4	1079.3	1475.4	2382.4	4024.1	4835.8	4051.9
55°	459.4	465.3	523.4	648.9	888.7	1281.8	2147.9	4046.0	5355.6	4660.6
57.5°	333.3	336.9	374.2	467.7	673.7	1039.6	1863.2	3989.2	5974.3	5440.9
60°	270.0	271.2	282.4	323.8	468.3	766.1	1519.2	3793.8	6645.7	6446.8
62.5°	245.1	245.1	248.1	259.3	316.7	505.6	1103.0	3388.9	7365.6	7717.9
65°	227.9	227.9	229.1	234.4	249.8	322.1	696.2	2729.3	7972.5	9206.9
67.5°	212.5	213.1	212.5	214.3	223.2	238.0	403.8	1885.1	8299.3	10749.7
70°	196.6	197.7	194.8	194.8	201.9	202.5	252.8	1033.7	8028.1	12042.8
72.5°	177.6	179.4	174.7	173.5	178.8	176.4	190.0	496.1	6892.6	12428.8
75°	161.0	163.4	152.7	149.8	149.8	148.0	154.5	254.6	4473.5	10138.8
77.5°	146.2	151.0	133.8	124.3	122.0	116.6	126.1	155.7	1956.7	4760.0
80°	120.8	127.3	110.1	98.9	94.7	88.8	99.5	108.9	582.0	1105.3
82.5°	90.0	93.0	78.1	70.5	66.9	62.8	74.6	75.8	189.5	391.3
85°	57.4	58.6	48.0	41.4	39.7	37.9	47.4	41.4	72.2	287.7
87.5°	20.1	23.1	18.4	16.6	17.8	14.8	21.9	12.4	20.1	203.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2081.6  
2082.8  
2096.4  
2110.6  
2116.0  
2120.7  
2132.5  
2158.6  
2198.3  
2240.9  
2293.0  
2355.2  
2401.3  
2452.8  
2538.7  
2654.7  
2829.4  
2937.1  
2999.9  
3185.8  
3461.1  
3872.6  
4436.2  
5158.5  
6090.9  
7241.3  
8604.2  
10099.1  
11871.7  
12878.7  
10844.5  
4661.2  
1058.6  
442.3  
418.0  
251.6  
0.0

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