

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: P939253

Luminaire Tested: **GALN-SB1D-735-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939253  
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-SB1D-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10070 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

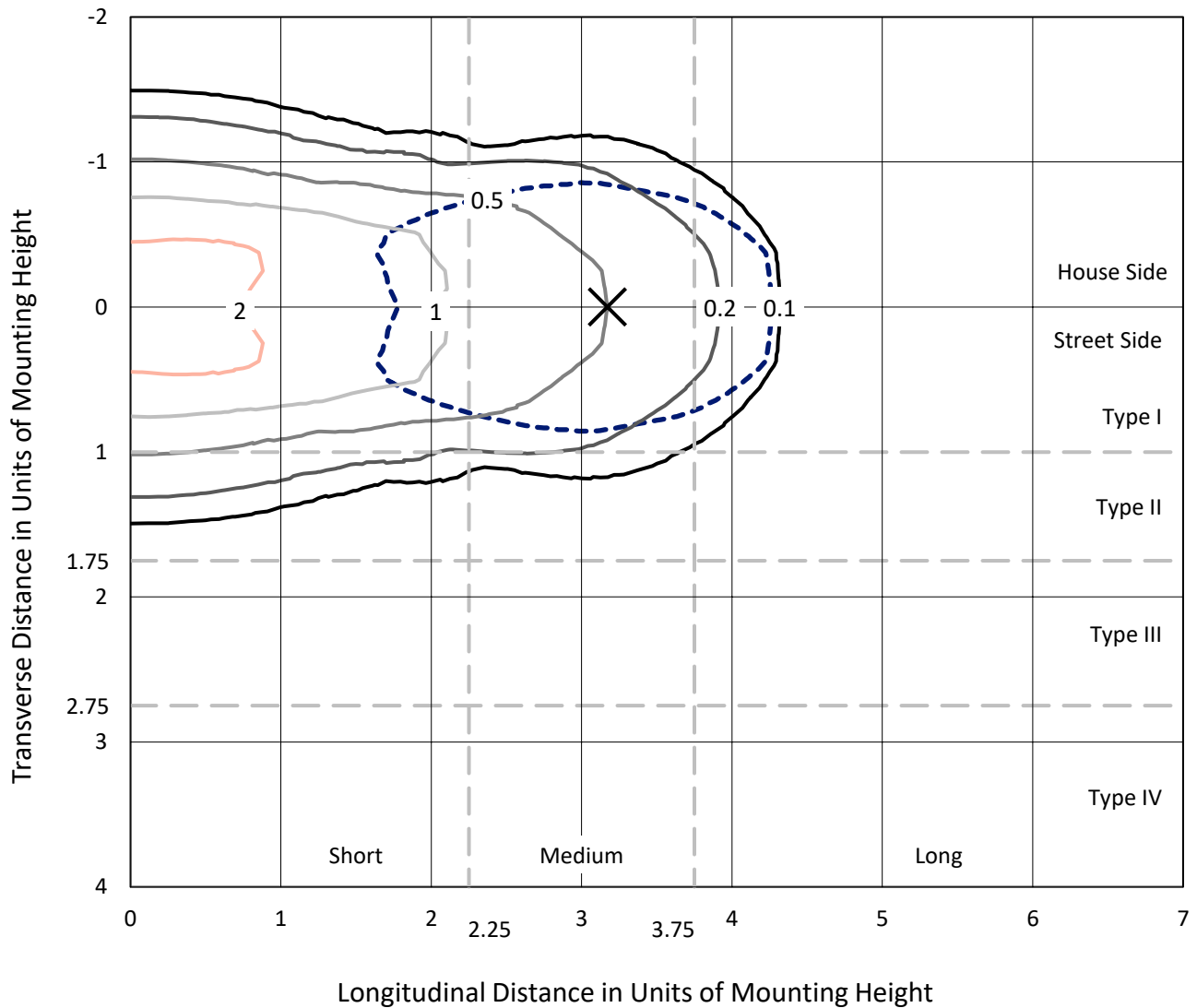
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

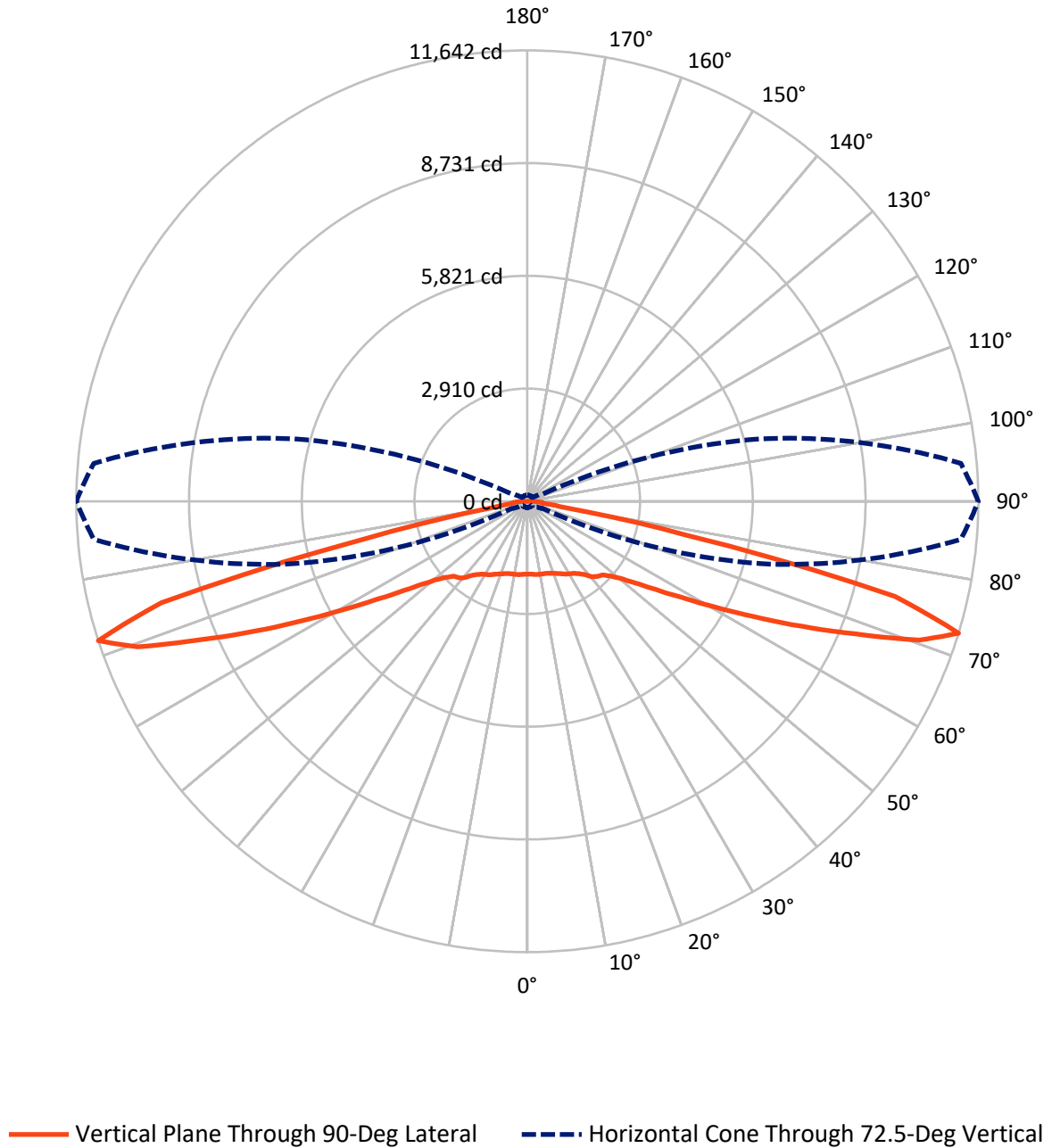
✕ Max cd  
 - - - 1/2 Max cd



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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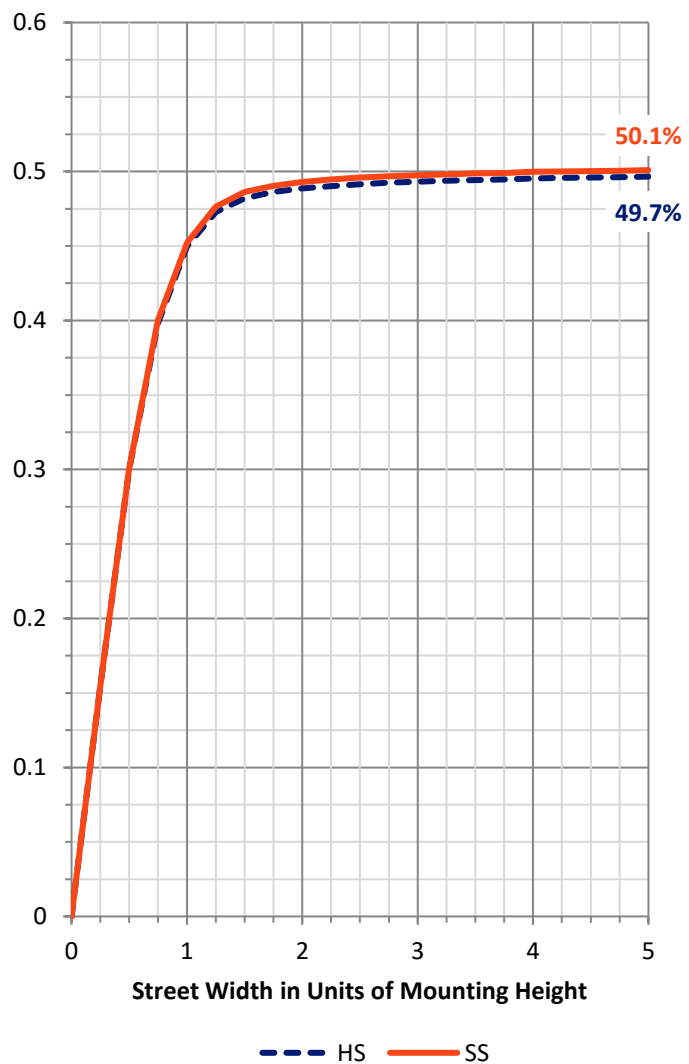
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5035.0	0.0	5035.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5035.0	0.0	5035.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10070.0	0.0	10070.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.5	1.8
10°-20°	557.9	5.5
20°-30°	930.2	9.2
30°-40°	1279.3	12.7
40°-50°	1562.4	15.5
50°-60°	1807.1	17.9
60°-70°	2154.6	21.4
70°-80°	1503.8	14.9
80°-90°	92.4	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°	10070.0	100.0
0°-180°	10070.0	100.0

**Coefficient of Utilization**



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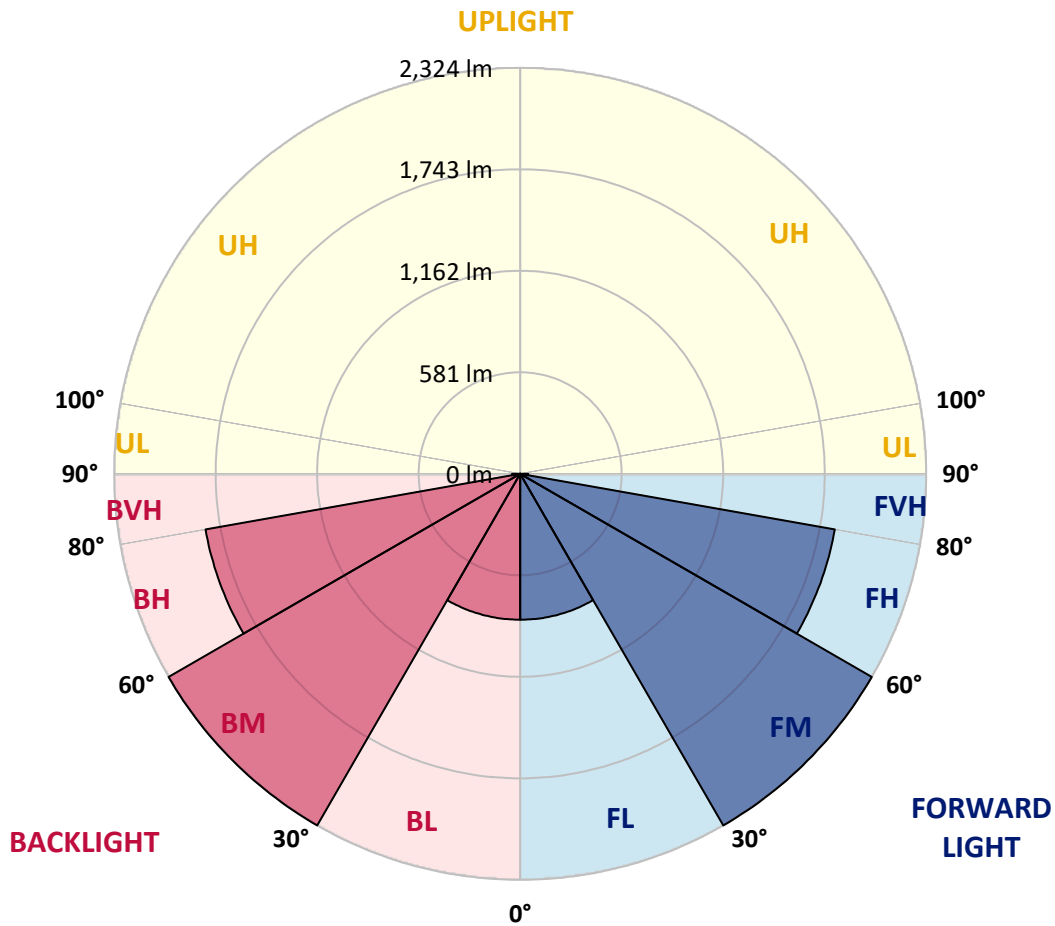
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	835.3	8.3			
FM (30°-60°)	2324.4	23.1			
FH (60°-80°)	1829.2	18.2			G2/5000
FVH (80°-90°)	46.2	0.5			G1/100
BL (0°-30°)	835.3	8.3	B2/1000		
BM (30°-60°)	2324.4	23.1	B2/2500		
BH (60°-80°)	1829.2	18.2	B3/2500		G3/2500
BVH (80°-90°)	46.2	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°	1881.7	1881.7	1881.7	1881.7	1881.7	1881.7	1881.7	1881.7	1881.7	1881.7
2.5°	1883.3	1885.4	1885.4	1883.8	1887.6	1884.4	1884.4	1882.8	1884.4	1882.8
5°	1892.9	1895.6	1896.7	1896.1	1901.0	1898.3	1898.3	1896.1	1896.7	1895.1
7.5°	1911.1	1914.9	1917.0	1919.7	1926.6	1923.4	1921.3	1914.9	1912.2	1907.9
10°	1917.0	1921.3	1928.2	1942.2	1958.2	1958.8	1952.3	1936.3	1924.0	1914.3
12.5°	1898.8	1904.7	1919.1	1947.5	1983.4	1997.8	1987.7	1960.9	1936.8	1919.7
15°	1875.8	1882.2	1904.2	1947.0	2000.0	2033.7	2032.6	1997.3	1958.8	1932.0
17.5°	1839.9	1846.4	1877.9	1937.9	2012.8	2068.5	2083.4	2047.1	1993.0	1957.1
20°	1775.2	1781.1	1825.0	1909.0	2017.1	2105.4	2144.5	2112.3	2044.9	1996.2
22.5°	1691.2	1700.3	1751.6	1859.2	2006.9	2143.9	2214.0	2192.1	2105.4	2038.0
25°	1601.3	1610.9	1670.8	1798.2	1980.7	2171.8	2296.4	2282.5	2173.9	2089.9
27.5°	1523.7	1533.8	1599.1	1737.7	1940.0	2182.5	2377.8	2384.8	2256.8	2147.1
30°	1462.6	1472.3	1541.8	1689.0	1887.6	2171.8	2449.0	2497.1	2341.4	2196.9
32.5°	1395.7	1408.1	1481.4	1629.6	1825.5	2146.1	2511.1	2618.6	2439.3	2250.4
35°	1311.2	1322.4	1399.5	1548.3	1744.1	2104.9	2563.0	2753.5	2579.6	2331.8
37.5°	1208.4	1219.1	1295.7	1446.6	1663.3	2047.1	2602.6	2905.5	2746.5	2449.0
40°	1105.1	1115.3	1187.0	1333.1	1566.5	1973.2	2616.5	3054.3	2938.1	2610.1
42.5°	1010.4	1019.5	1085.3	1221.3	1457.8	1879.0	2598.3	3183.8	3109.9	2722.5
45°	923.2	931.2	989.5	1116.4	1344.9	1764.5	2543.7	3322.9	3314.4	2802.7
47.5°	823.6	831.7	892.1	1014.7	1232.0	1630.2	2451.1	3459.9	3598.5	2984.7
50°	702.2	709.1	771.2	897.5	1114.8	1487.3	2322.7	3567.5	3957.1	3260.3
52.5°	558.2	565.7	626.2	752.5	975.6	1333.7	2153.6	3637.6	4371.3	3662.8
55°	415.3	420.6	473.1	586.6	803.3	1158.7	1941.6	3657.4	4841.2	4212.9
57.5°	301.3	304.5	338.2	422.8	609.0	939.8	1684.2	3606.0	5400.5	4918.3
60°	244.0	245.1	255.3	292.7	423.3	692.5	1373.3	3429.4	6007.4	5827.6
62.5°	221.6	221.6	224.2	234.4	286.3	457.0	997.0	3063.4	6658.1	6976.6
65°	206.0	206.0	207.1	211.9	225.8	291.1	629.4	2467.2	7206.7	8322.6
67.5°	192.1	192.7	192.1	193.7	201.8	215.1	365.0	1704.0	7502.1	9717.2
70°	177.7	178.7	176.1	176.1	182.5	183.0	228.5	934.4	7257.0	10886.1
72.5°	160.6	162.2	157.9	156.8	161.6	159.5	171.8	448.5	6230.5	11235.0
75°	145.6	147.7	138.1	135.4	135.4	133.8	139.7	230.1	4043.8	9164.9
77.5°	132.2	136.5	121.0	112.4	110.2	105.4	114.0	140.8	1768.8	4302.8
80°	109.2	115.1	99.5	89.4	85.6	80.3	89.9	98.5	526.1	999.2
82.5°	81.3	84.0	70.6	63.7	60.5	56.7	67.4	68.5	171.3	353.8
85°	51.9	53.0	43.3	37.5	35.9	34.3	42.8	37.5	65.3	260.1
87.5°	18.2	20.9	16.6	15.0	16.1	13.4	19.8	11.2	18.2	183.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1881.7  
1882.8  
1895.1  
1907.9  
1912.7  
1917.0  
1927.7  
1951.3  
1987.1  
2025.6  
2072.7  
2128.9  
2170.7  
2217.2  
2294.8  
2399.7  
2557.6  
2655.0  
2711.7  
2879.8  
3128.7  
3500.6  
4010.1  
4663.0  
5505.9  
6545.8  
7777.7  
9129.1  
10731.4  
11641.7  
9802.9  
4213.5  
956.9  
399.8  
377.8  
227.5  
0.0

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