

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: P947039

Luminaire Tested: **GALN-SB2C-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2C-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15422 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

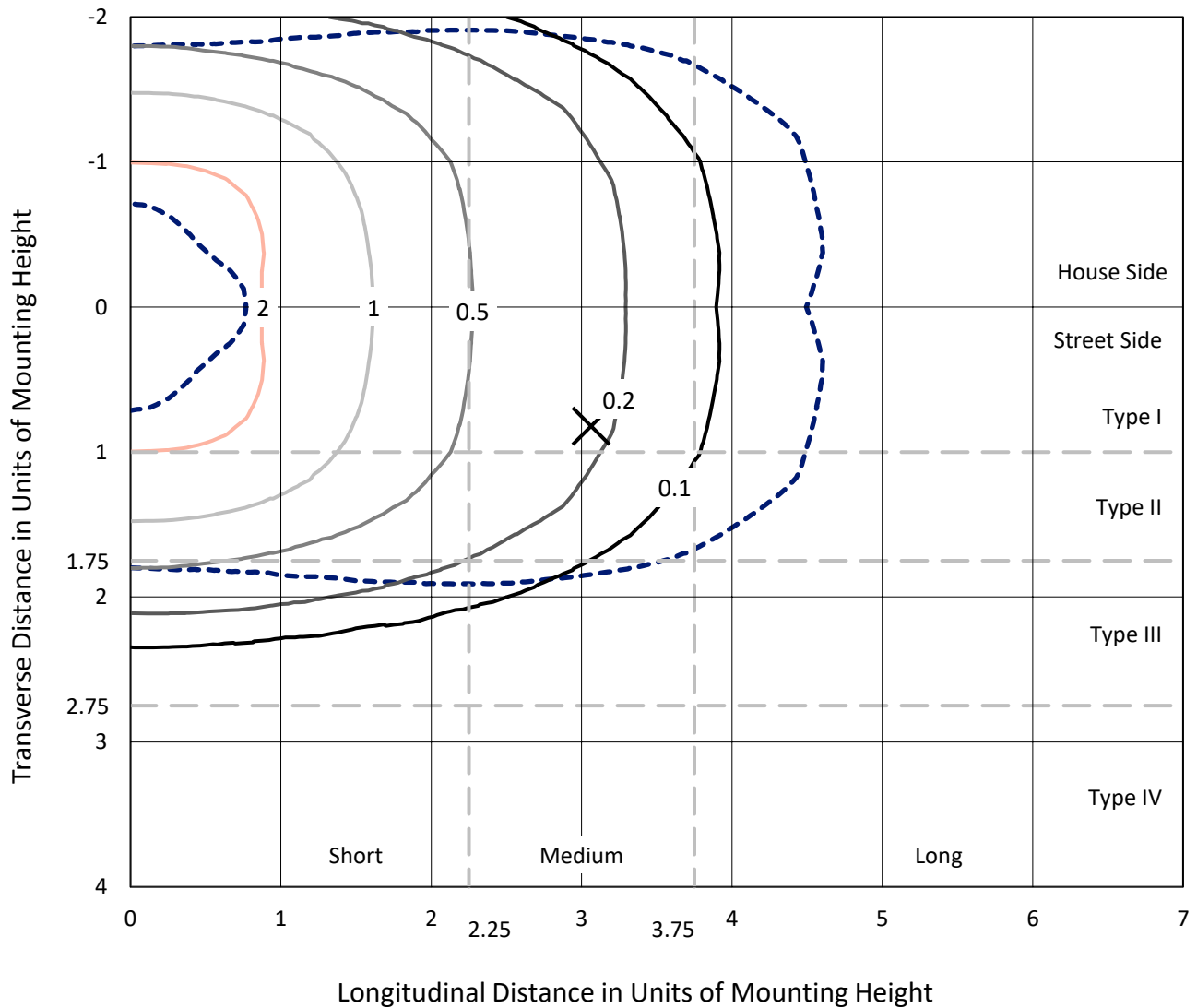
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

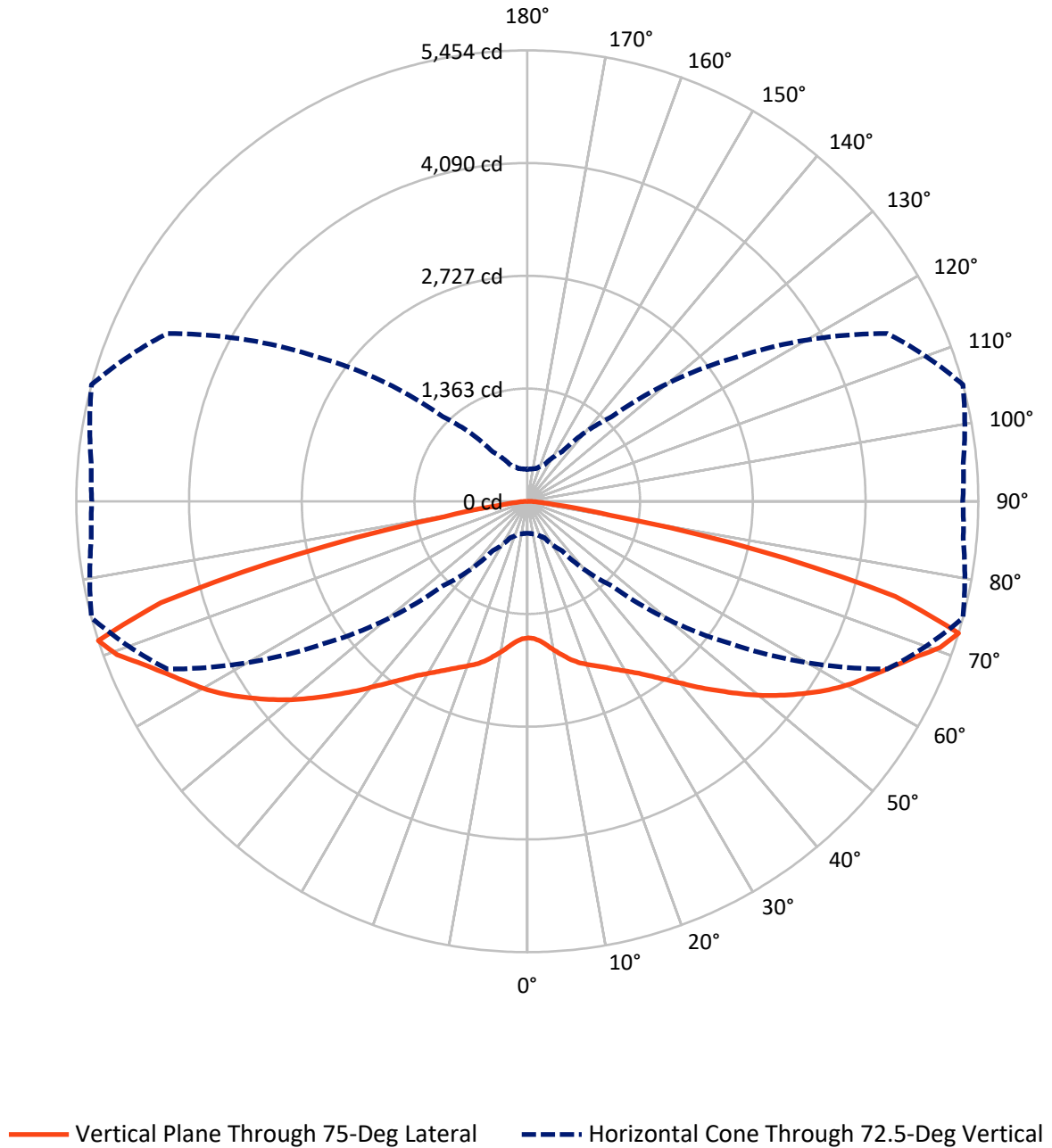
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7711.0	0.0	7711.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7711.0	0.0	7711.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15422.0	0.0	15422.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.8	1.0
10°-20°	533.7	3.5
20°-30°	1031.3	6.7
30°-40°	1741.5	11.3
40°-50°	2761.7	17.9
50°-60°	3697.7	24.0
60°-70°	3519.0	22.8
70°-80°	1836.3	11.9
80°-90°	139.0	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°	15422.0	100.0
0°-180°	15422.0	100.0



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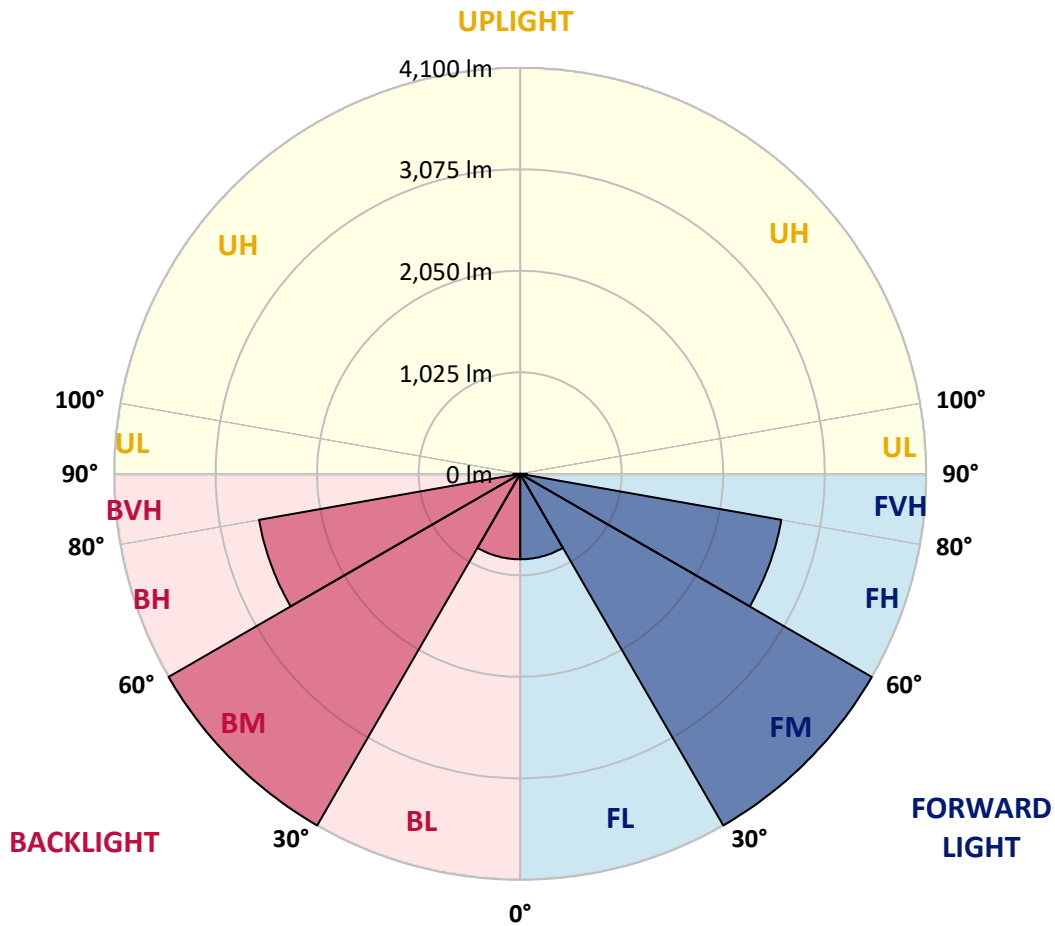
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.4	5.6			
FM (30°-60°)	4100.4	26.6			
FH (60°-80°)	2677.6	17.4			G2/5000
FVH (80°-90°)	69.5	0.5			G1/100
BL (0°-30°)	863.4	5.6	B2/1000		
BM (30°-60°)	4100.4	26.6	B3/5000		
BH (60°-80°)	2677.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	69.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1652.0	1652.0	1652.0	1652.0	1652.0	1652.0	1652.0	1652.0	1652.0	1652.0
2.5°	1652.0	1650.4	1652.0	1653.5	1652.8	1652.8	1656.7	1659.1	1663.8	1663.0
5°	1640.9	1640.2	1646.5	1653.5	1659.1	1668.5	1680.3	1689.0	1700.0	1702.4
7.5°	1635.4	1633.1	1644.1	1656.7	1674.0	1697.6	1720.5	1744.1	1763.0	1769.3
10°	1639.4	1640.2	1655.1	1678.7	1706.3	1739.4	1771.7	1811.8	1838.6	1844.9
12.5°	1657.5	1655.9	1681.1	1718.9	1756.7	1798.4	1836.2	1880.3	1909.5	1924.4
15°	1690.6	1687.4	1722.8	1778.7	1833.9	1882.7	1913.4	1955.1	1989.0	2007.9
17.5°	1729.9	1731.5	1778.0	1850.4	1922.8	1978.0	2007.1	2028.4	2054.3	2070.9
20°	1799.2	1802.4	1854.3	1940.2	2022.8	2085.8	2109.5	2101.6	2108.7	2121.3
22.5°	1892.1	1893.7	1952.0	2044.9	2131.5	2200.8	2216.5	2184.3	2164.6	2173.2
25°	2000.0	2010.2	2068.5	2163.8	2252.8	2318.9	2326.0	2277.2	2228.4	2230.7
27.5°	2131.5	2140.9	2200.0	2294.5	2385.0	2442.5	2441.7	2376.4	2304.7	2286.6
30°	2274.0	2284.3	2344.9	2442.5	2526.8	2577.2	2566.1	2488.2	2385.8	2352.0
32.5°	2443.3	2449.6	2511.0	2608.7	2686.6	2726.8	2703.9	2607.9	2480.3	2441.7
35°	2648.0	2657.5	2703.2	2795.3	2863.8	2896.9	2858.3	2744.9	2601.6	2558.3
37.5°	2881.9	2875.6	2927.6	3009.5	3066.1	3086.6	3033.9	2899.2	2740.2	2689.0
40°	3126.0	3122.8	3179.5	3258.3	3289.0	3301.6	3223.6	3076.4	2900.0	2844.9
42.5°	3347.3	3344.9	3421.3	3508.7	3545.7	3531.5	3433.1	3264.6	3085.0	3022.1
45°	3524.4	3521.3	3615.0	3737.8	3810.2	3786.6	3654.3	3472.4	3272.4	3207.1
47.5°	3660.6	3662.2	3763.0	3915.0	4041.7	4050.4	3880.3	3684.3	3478.7	3404.7
50°	3759.1	3763.8	3871.7	4040.2	4213.4	4289.8	4111.0	3901.6	3692.1	3608.7
52.5°	3783.5	3792.1	3922.1	4119.7	4323.6	4469.3	4345.7	4110.2	3894.5	3815.0
55°	3653.6	3670.9	3835.4	4113.4	4391.3	4587.4	4552.0	4322.1	4098.4	4016.5
57.5°	3355.1	3379.5	3571.7	3934.7	4376.4	4668.5	4711.8	4525.2	4302.4	4223.6
60°	2937.0	2966.1	3150.4	3546.5	4165.4	4698.4	4824.4	4722.8	4489.8	4413.4
62.5°	2306.3	2344.1	2564.6	3029.1	3719.7	4559.1	4920.5	4901.6	4658.3	4563.0
65°	1479.5	1519.7	1752.0	2300.8	3125.2	4132.3	4950.4	5075.6	4836.2	4703.2
67.5°	892.1	910.2	1025.2	1394.5	2284.3	3489.0	4696.9	5268.5	5044.1	4878.8
70°	570.9	581.1	649.6	818.9	1291.3	2545.7	4068.5	5304.7	5296.1	5059.1
72.5°	387.4	390.6	408.7	485.0	730.7	1446.5	3000.8	4802.4	5453.6	5291.4
75°	283.5	300.8	329.9	343.3	415.0	722.8	1719.7	3374.0	4596.1	4666.9
77.5°	211.0	211.8	252.0	267.7	296.1	385.0	727.6	1883.5	2853.5	2996.1
80°	178.7	169.3	168.5	215.7	222.8	240.2	325.2	650.4	1022.0	619.7
82.5°	148.8	138.6	125.2	168.5	152.0	147.2	140.9	264.6	325.2	159.8
85°	103.9	99.2	94.5	110.2	86.6	74.0	67.7	123.6	137.0	67.7
87.5°	44.9	46.5	47.2	48.8	36.2	26.0	26.0	34.6	34.6	26.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1652.0
1662.2
1702.4
1770.9
1851.2
1930.7
2015.0
2078.7
2130.7
2179.5
2234.7
2292.1
2355.9
2451.2
2564.6
2698.4
2863.0
3037.8
3222.1
3426.8
3633.9
3835.4
4039.4
4241.7
4429.9
4574.0
4719.7
4891.3
5057.5
5266.2
4495.3
2672.4
468.5
136.2
59.8
19.7
0.0

OF REPORT)