

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: P947165

Luminaire Tested: **GALN-SB2C-835-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947165
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-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14305 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

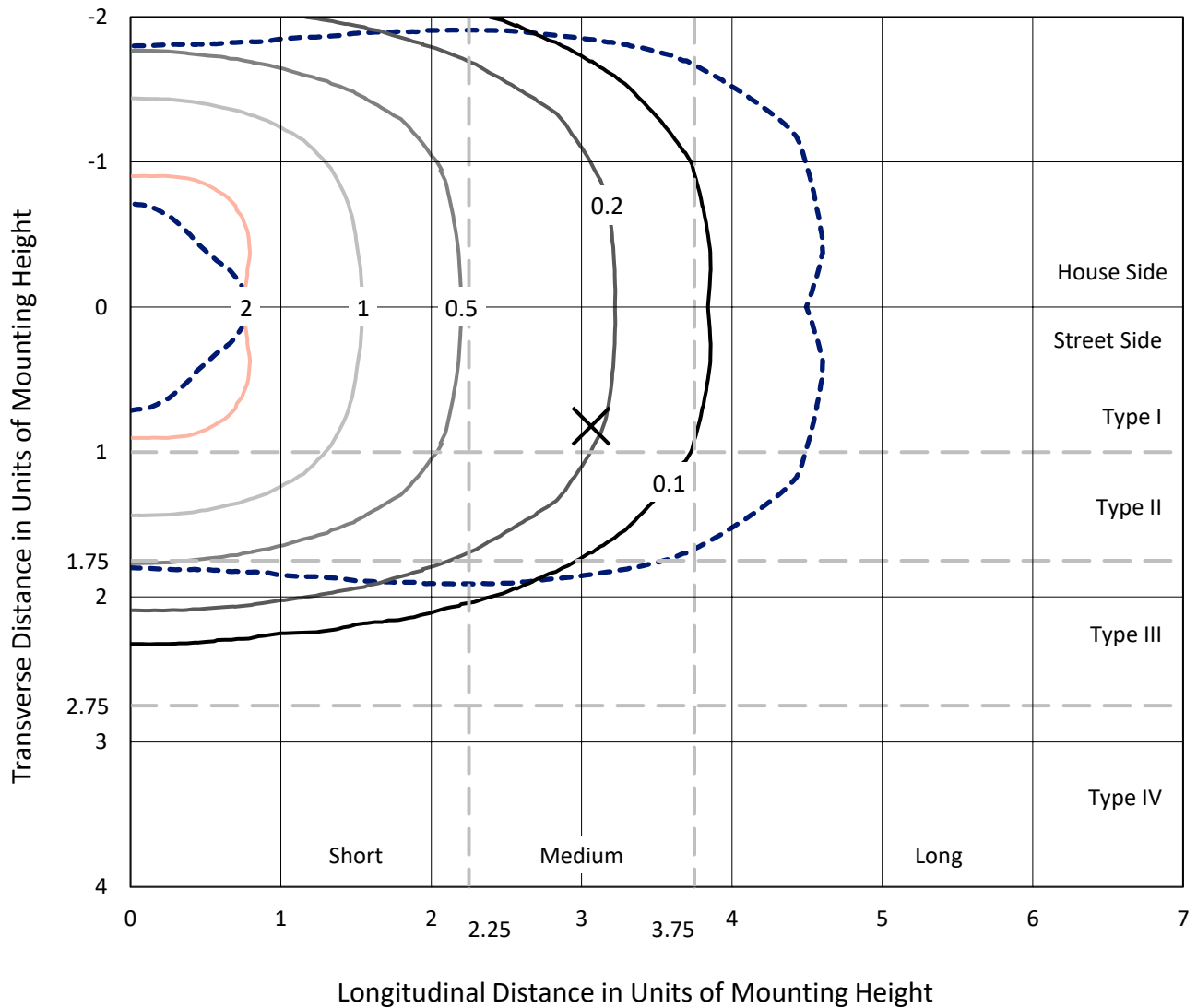
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

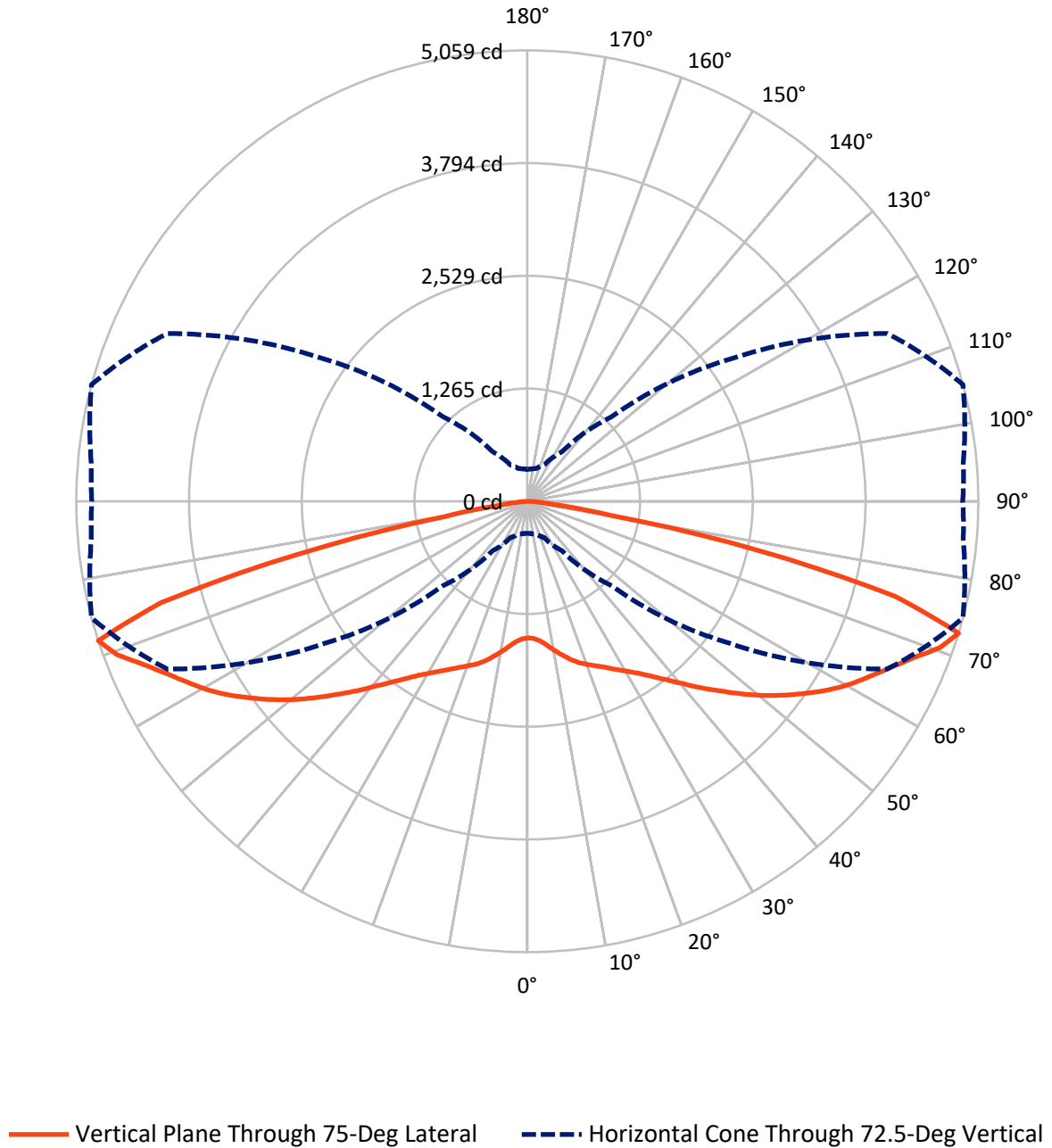
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	7152.5	0.0	7152.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7152.5	0.0	7152.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14305.0	0.0	14305.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.1	1.0
10°-20°	495.1	3.5
20°-30°	956.6	6.7
30°-40°	1615.3	11.3
40°-50°	2561.7	17.9
50°-60°	3429.8	24.0
60°-70°	3264.1	22.8
70°-80°	1703.3	11.9
80°-90°	128.9	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°	14305.0	100.0
0°-180°	14305.0	100.0

Coefficient of Utilization



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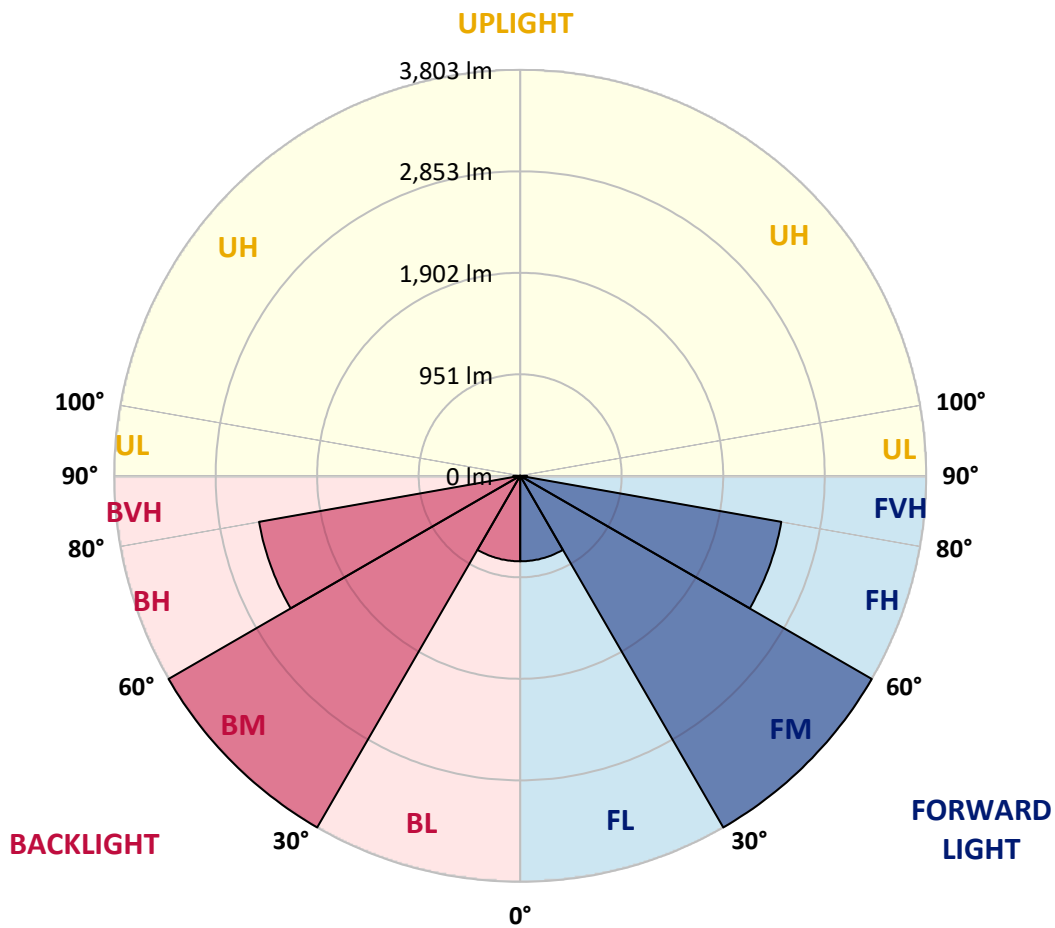
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	800.9	5.6			
FM (30°-60°)	3803.4	26.6			
FH (60°-80°)	2483.7	17.4			G2/5000
FVH (80°-90°)	64.5	0.5			G1/100
BL (0°-30°)	800.9	5.6	B2/1000		
BM (30°-60°)	3803.4	26.6	B3/5000		
BH (60°-80°)	2483.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	64.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3	1532.3
2.5°	1532.3	1530.9	1532.3	1533.8	1533.1	1533.1	1536.7	1538.9	1543.3	1542.5
5°	1522.1	1521.4	1527.2	1533.8	1538.9	1547.7	1558.6	1566.6	1576.9	1579.1
7.5°	1517.0	1514.8	1525.0	1536.7	1552.8	1574.7	1595.9	1617.8	1635.3	1641.1
10°	1520.6	1521.4	1535.2	1557.2	1582.7	1613.4	1643.3	1680.6	1705.4	1711.3
12.5°	1537.4	1536.0	1559.3	1594.4	1629.5	1668.2	1703.2	1744.1	1771.2	1785.0
15°	1568.1	1565.2	1598.1	1649.9	1701.0	1746.3	1774.8	1813.5	1844.9	1862.4
17.5°	1604.6	1606.1	1649.2	1716.4	1783.6	1834.7	1861.7	1881.4	1905.5	1920.9
20°	1668.9	1671.8	1720.0	1799.6	1876.3	1934.8	1956.7	1949.4	1955.9	1967.6
22.5°	1755.1	1756.5	1810.6	1896.8	1977.1	2041.4	2056.0	2026.1	2007.8	2015.8
25°	1855.1	1864.6	1918.7	2007.1	2089.6	2150.9	2157.5	2112.2	2067.0	2069.1
27.5°	1977.1	1985.9	2040.7	2128.3	2212.3	2265.6	2264.9	2204.3	2137.8	2121.0
30°	2109.3	2118.8	2175.0	2265.6	2343.8	2390.5	2380.3	2308.0	2213.0	2181.6
32.5°	2266.3	2272.2	2329.2	2419.7	2492.0	2529.3	2508.1	2419.0	2300.7	2264.9
35°	2456.2	2465.0	2507.4	2592.8	2656.4	2687.0	2651.3	2546.1	2413.2	2373.0
37.5°	2673.2	2667.3	2715.5	2791.5	2844.1	2863.1	2814.1	2689.2	2541.7	2494.2
40°	2899.6	2896.7	2949.2	3022.3	3050.8	3062.5	2990.1	2853.6	2690.0	2638.8
42.5°	3104.8	3102.6	3173.5	3254.5	3288.9	3275.7	3184.4	3028.1	2861.6	2803.2
45°	3269.1	3266.2	3353.1	3467.1	3534.3	3512.4	3389.7	3220.9	3035.4	2974.8
47.5°	3395.5	3397.0	3490.5	3631.4	3749.0	3757.0	3599.3	3417.4	3226.8	3158.1
50°	3486.8	3491.2	3591.2	3747.5	3908.2	3979.1	3813.3	3619.0	3424.7	3347.3
52.5°	3509.4	3517.5	3638.0	3821.3	4010.5	4145.6	4030.9	3812.5	3612.4	3538.7
55°	3388.9	3405.0	3557.6	3815.5	4073.3	4255.2	4222.3	4009.0	3801.6	3725.6
57.5°	3112.1	3134.8	3313.0	3649.7	4059.4	4330.4	4370.5	4197.5	3990.8	3917.7
60°	2724.3	2751.3	2922.2	3289.6	3863.7	4358.1	4475.0	4380.8	4164.6	4093.7
62.5°	2139.3	2174.3	2378.8	2809.7	3450.3	4228.9	4564.1	4546.6	4320.9	4232.5
65°	1372.4	1409.6	1625.1	2134.1	2898.8	3833.0	4591.9	4708.0	4485.9	4362.5
67.5°	827.5	844.3	950.9	1293.5	2118.8	3236.3	4356.7	4886.9	4678.8	4525.4
70°	529.5	539.0	602.6	759.6	1197.8	2361.3	3773.8	4920.5	4912.5	4692.6
72.5°	359.3	362.3	379.1	449.9	677.8	1341.7	2783.4	4454.5	5058.6	4908.1
75°	262.9	279.0	306.0	318.4	384.9	670.5	1595.1	3129.6	4263.2	4328.9
77.5°	195.7	196.5	233.7	248.3	274.6	357.2	674.9	1747.1	2646.9	2779.1
80°	165.8	157.0	156.3	200.1	206.7	222.8	301.6	603.3	948.0	574.8
82.5°	138.0	128.5	116.1	156.3	141.0	136.6	130.7	245.4	301.6	148.3
85°	96.4	92.0	87.6	102.3	80.3	68.7	62.8	114.7	127.1	62.8
87.5°	41.6	43.1	43.8	45.3	33.6	24.1	24.1	32.1	32.1	24.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1532.3
1541.8
1579.1
1642.6
1717.1
1790.9
1869.0
1928.2
1976.4
2021.7
2072.8
2126.1
2185.3
2273.6
2378.8
2503.0
2655.6
2817.8
2988.7
3178.6
3370.7
3557.6
3746.8
3934.5
4109.1
4242.7
4377.9
4537.1
4691.2
4884.7
4169.7
2478.9
434.6
126.4
55.5
18.3
0.0

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