

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: P947144

Luminaire Tested: **GALN-SB2C-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947144  
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-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

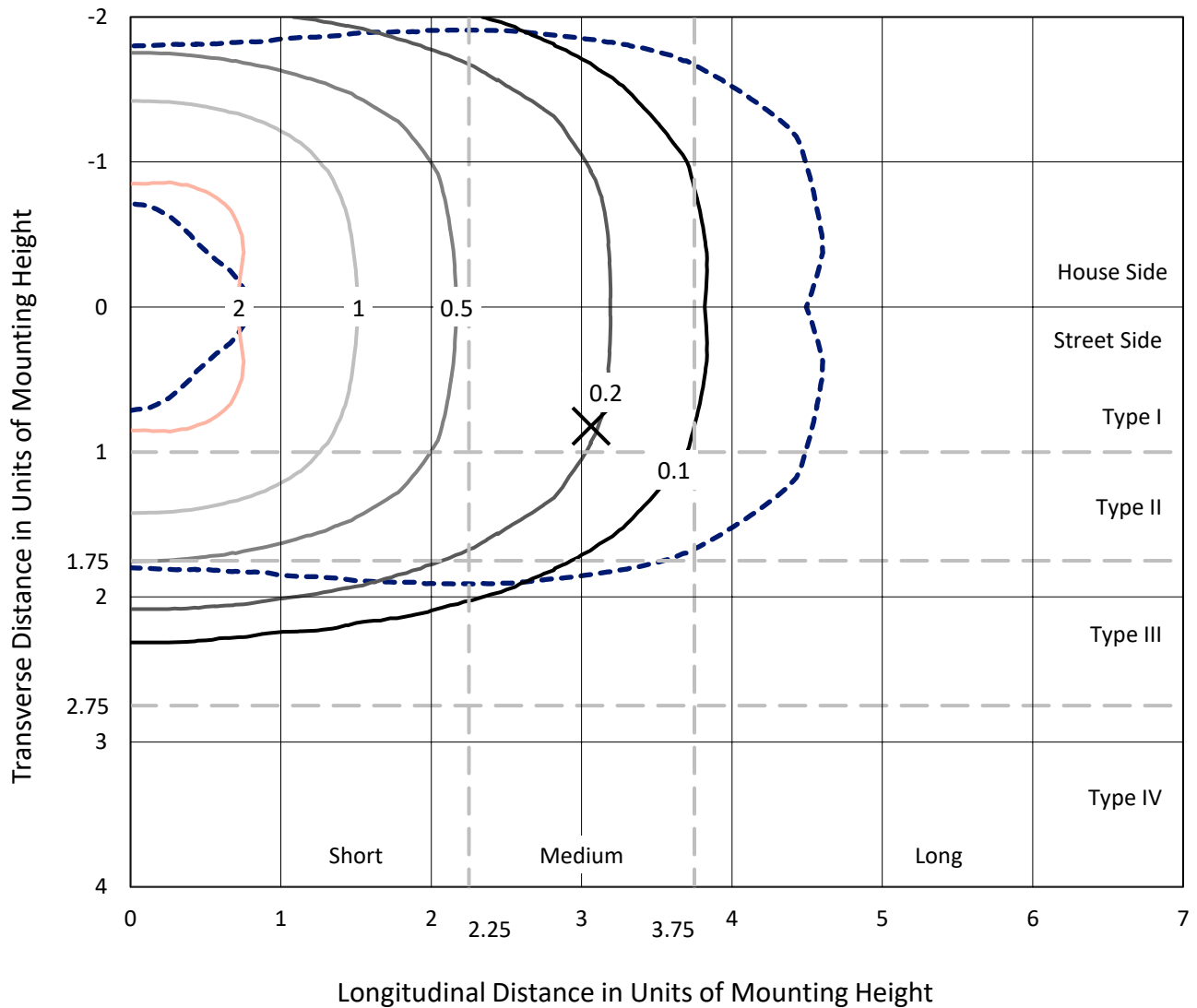
Lumens per Lamp: N/A  
Luminaire Lumens: 13858 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): 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

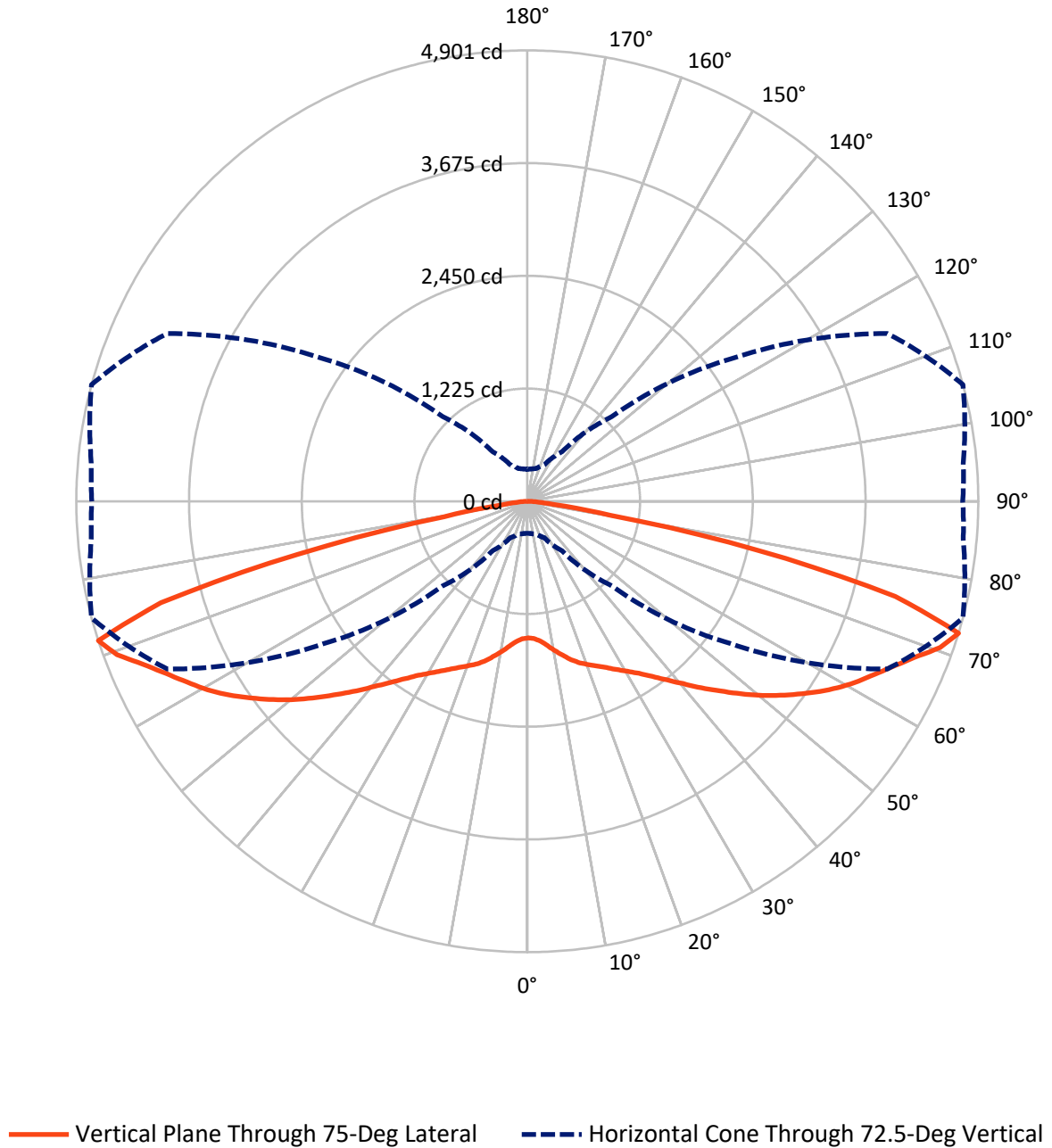
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6929.0	0.0	6929.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6929.0	0.0	6929.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13858.0	0.0	13858.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.4	1.0
10°-20°	479.6	3.5
20°-30°	926.7	6.7
30°-40°	1564.8	11.3
40°-50°	2481.7	17.9
50°-60°	3322.7	24.0
60°-70°	3162.1	22.8
70°-80°	1650.0	11.9
80°-90°	124.9	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°	13858.0	100.0
0°-180°	13858.0	100.0

**Coefficient of Utilization**



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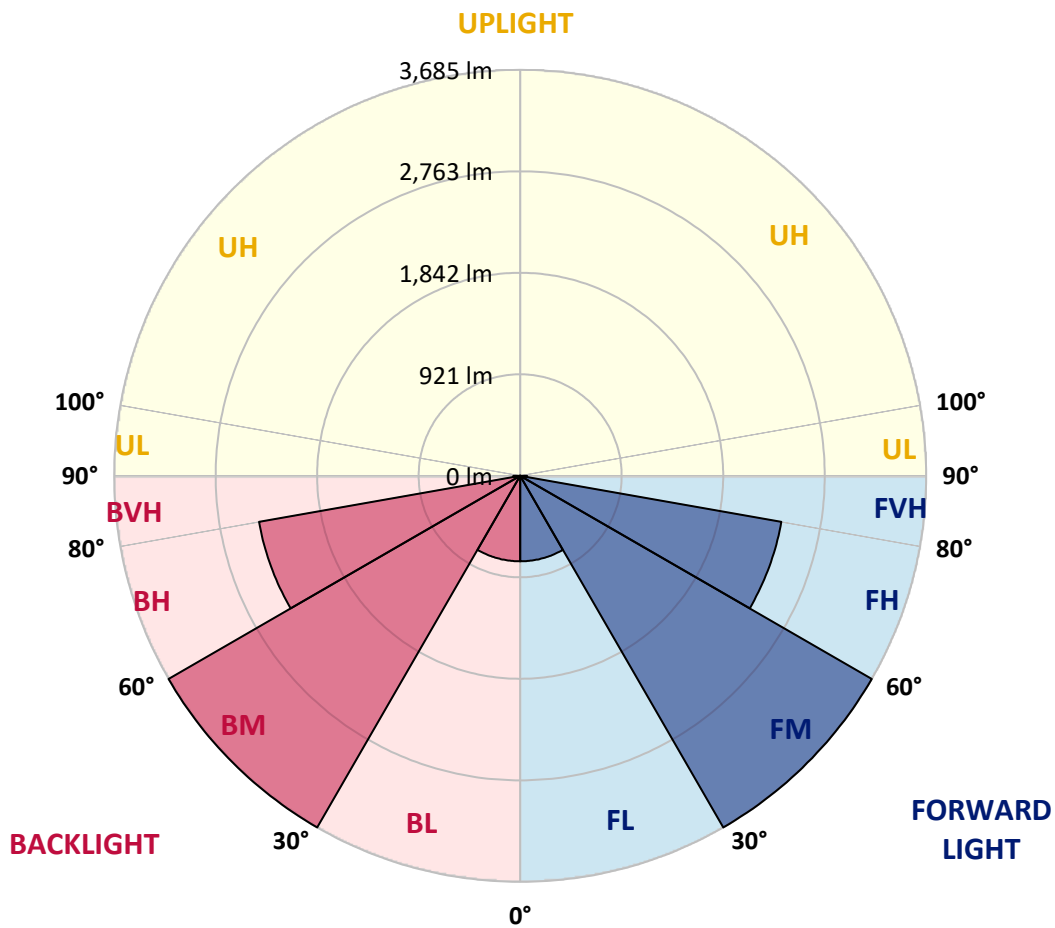
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	775.9	5.6			
FM (30°-60°)	3684.6	26.6			
FH (60°-80°)	2406.1	17.4			G2/5000
FVH (80°-90°)	62.4	0.5			G1/100
BL (0°-30°)	775.9	5.6	B2/1000		
BM (30°-60°)	3684.6	26.6	B3/5000		
BH (60°-80°)	2406.1	17.4	B3/2500		G3/2500
BVH (80°-90°)	62.4	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°	1484.4	1484.4	1484.4	1484.4	1484.4	1484.4	1484.4	1484.4	1484.4	1484.4
2.5°	1484.4	1483.0	1484.4	1485.9	1485.1	1485.1	1488.7	1490.8	1495.1	1494.3
5°	1474.5	1473.8	1479.5	1485.9	1490.8	1499.3	1509.9	1517.7	1527.6	1529.7
7.5°	1469.6	1467.5	1477.4	1488.7	1504.3	1525.5	1546.0	1567.2	1584.2	1589.9
10°	1473.1	1473.8	1487.3	1508.5	1533.3	1563.0	1592.0	1628.1	1652.1	1657.8
12.5°	1489.4	1488.0	1510.6	1544.6	1578.5	1616.0	1650.0	1689.6	1715.8	1729.3
15°	1519.1	1516.3	1548.1	1598.4	1647.9	1691.8	1719.3	1756.8	1787.3	1804.3
17.5°	1554.5	1555.9	1597.6	1662.7	1727.8	1777.4	1803.5	1822.6	1846.0	1860.9
20°	1616.8	1619.6	1666.3	1743.4	1817.7	1874.3	1895.5	1888.5	1894.8	1906.1
22.5°	1700.2	1701.7	1754.0	1837.5	1915.3	1977.6	1991.8	1962.7	1945.1	1952.8
25°	1797.2	1806.4	1858.7	1944.3	2024.3	2083.7	2090.1	2046.2	2002.4	2004.5
27.5°	1915.3	1923.8	1976.9	2061.8	2143.2	2194.8	2194.1	2135.4	2071.0	2054.7
30°	2043.4	2052.6	2107.1	2194.8	2270.5	2315.8	2305.9	2235.9	2143.9	2113.5
32.5°	2195.5	2201.2	2256.4	2344.1	2414.2	2450.2	2429.7	2343.4	2228.8	2194.1
35°	2379.5	2388.0	2429.0	2511.8	2573.4	2603.1	2568.4	2466.5	2337.7	2298.8
37.5°	2589.6	2584.0	2630.7	2704.3	2755.2	2773.6	2726.2	2605.2	2462.3	2416.3
40°	2809.0	2806.1	2857.1	2927.8	2955.4	2966.8	2896.7	2764.4	2605.9	2556.4
42.5°	3007.8	3005.7	3074.3	3152.8	3186.1	3173.4	3084.9	2933.5	2772.2	2715.6
45°	3167.0	3164.2	3248.4	3358.7	3423.8	3402.6	3283.7	3120.3	2940.6	2881.9
47.5°	3289.4	3290.8	3381.4	3517.9	3631.9	3639.6	3486.8	3310.6	3126.0	3059.4
50°	3377.8	3382.1	3479.0	3630.4	3786.1	3854.7	3694.1	3505.9	3317.7	3242.7
52.5°	3399.8	3407.6	3524.3	3701.9	3885.2	4016.1	3905.0	3693.4	3499.5	3428.1
55°	3283.0	3298.6	3446.5	3696.2	3946.0	4122.2	4090.3	3883.7	3682.8	3609.2
57.5°	3014.9	3036.8	3209.4	3535.6	3932.6	4195.1	4234.0	4066.3	3866.1	3795.3
60°	2639.2	2665.3	2830.9	3186.8	3742.9	4222.0	4335.2	4243.9	4034.5	3965.8
62.5°	2072.4	2106.4	2304.5	2721.9	3342.5	4096.7	4421.5	4404.5	4185.9	4100.3
65°	1329.5	1365.6	1574.3	2067.5	2808.3	3713.2	4448.4	4560.9	4345.8	4226.2
67.5°	801.7	817.9	921.2	1253.1	2052.6	3135.2	4220.5	4734.2	4532.6	4384.0
70°	513.0	522.2	583.7	735.9	1160.4	2287.5	3655.9	4766.8	4759.0	4546.0
72.5°	348.1	350.9	367.2	435.9	656.6	1299.8	2696.5	4315.3	4900.5	4754.7
75°	254.7	270.3	296.5	308.5	372.9	649.5	1545.3	3031.9	4130.0	4193.6
77.5°	189.6	190.3	226.4	240.6	266.0	346.0	653.8	1692.5	2564.2	2692.2
80°	160.6	152.1	151.4	193.9	200.2	215.8	292.2	584.4	918.4	556.8
82.5°	133.7	124.5	112.5	151.4	136.6	132.3	126.7	237.7	292.2	143.6
85°	93.4	89.2	84.9	99.1	77.8	66.5	60.8	111.1	123.1	60.8
87.5°	40.3	41.7	42.5	43.9	32.5	23.3	23.3	31.1	31.1	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1484.4
1493.6
1529.7
1591.3
1663.5
1734.9
1810.6
1867.9
1914.6
1958.5
2008.0
2059.7
2117.0
2202.6
2304.5
2424.8
2572.7
2729.7
2895.3
3079.3
3265.3
3446.5
3629.7
3811.6
3980.7
4110.2
4241.1
4395.3
4544.6
4732.1
4039.4
2401.4
421.0
122.4
53.8
17.7
0.0

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