

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: P946808

Luminaire Tested: **GALN-SB2B-835-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946808  
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-SB2B-835-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

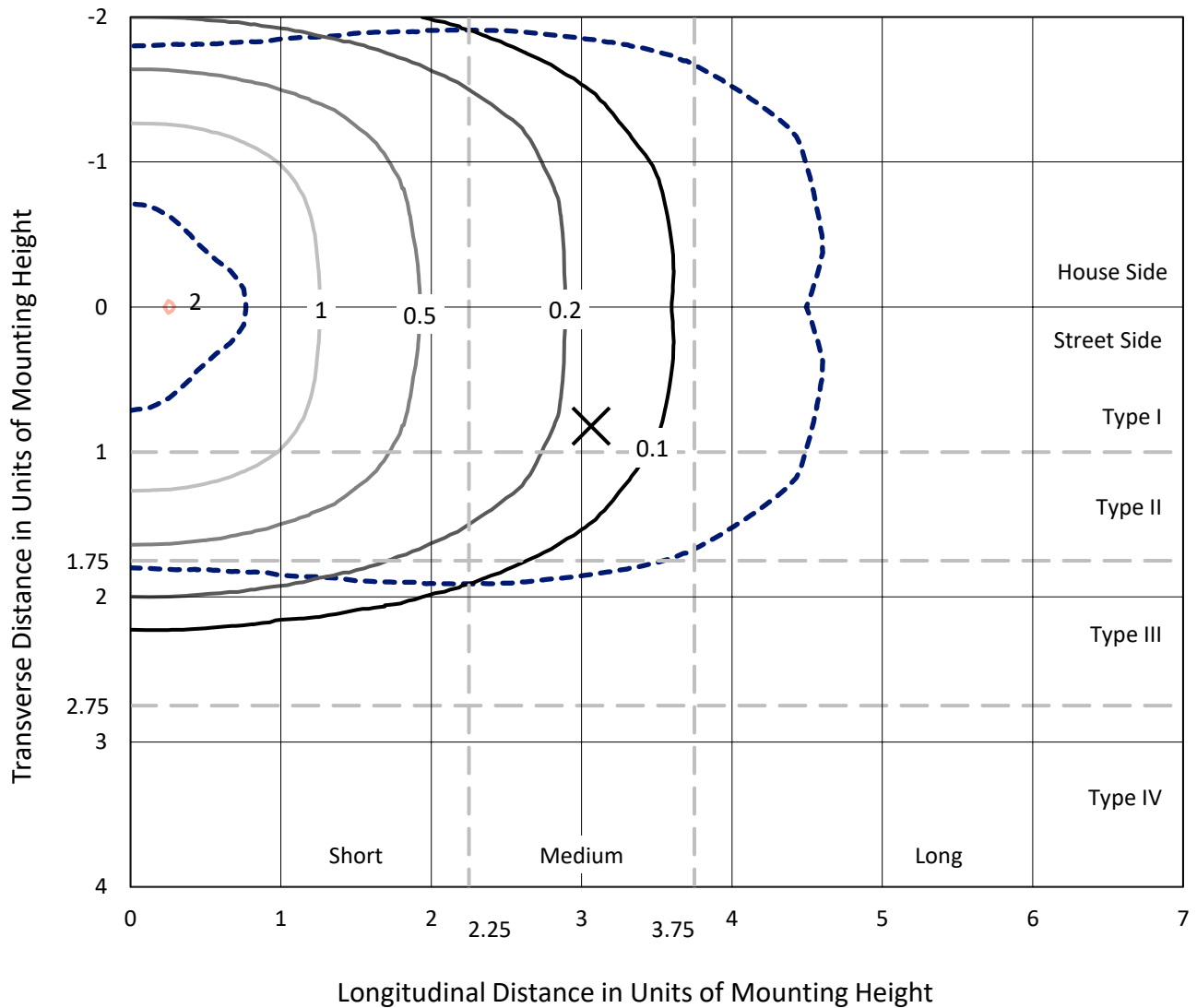
Lumens per Lamp: N/A  
Luminaire Lumens: 10756 lumens  
Efficiency: N/A  
Efficacy: 145.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

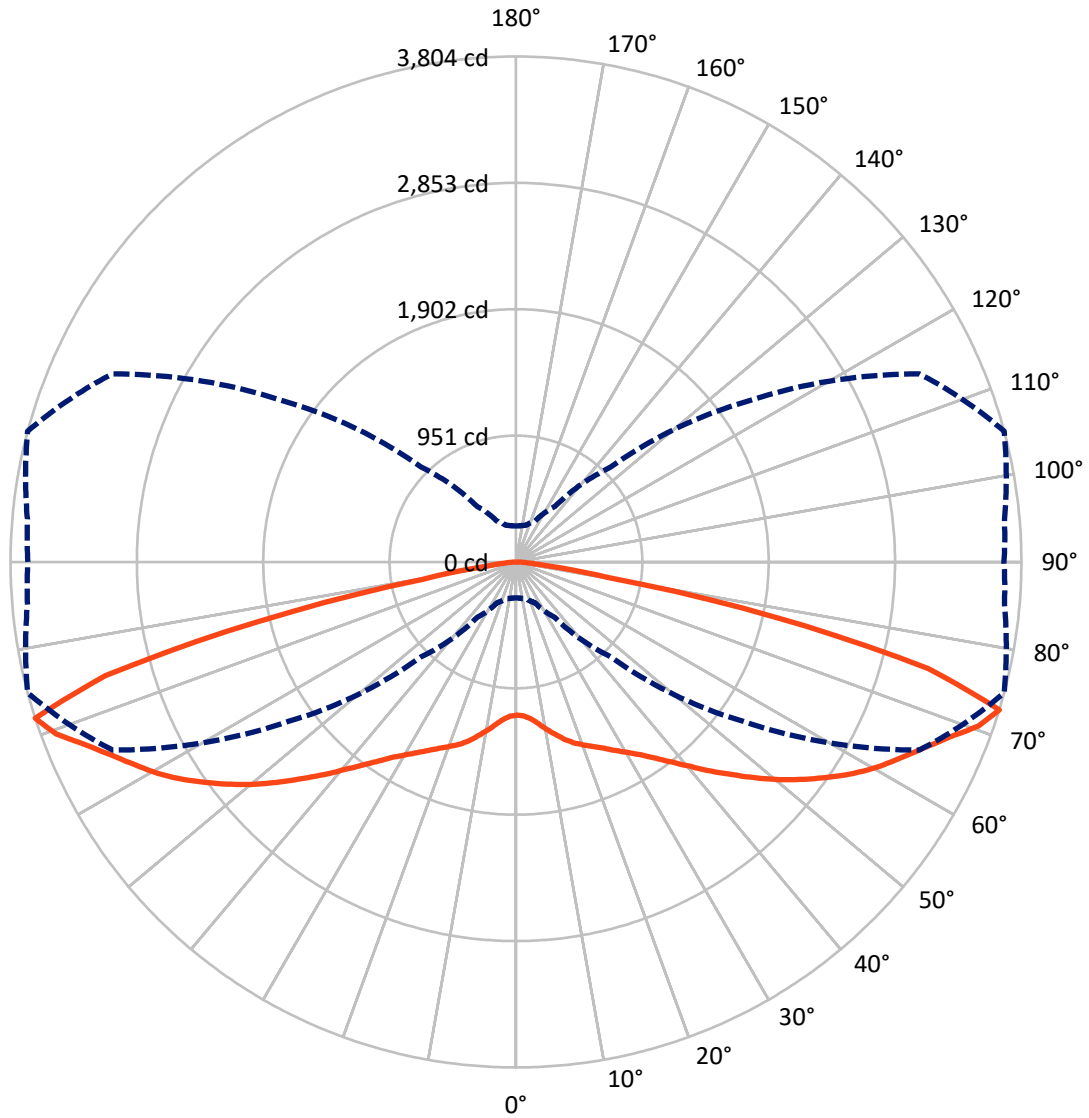
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5378.0	0.0	5378.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5378.0	0.0	5378.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10756.0	0.0	10756.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.9	1.0
10°-20°	372.3	3.5
20°-30°	719.3	6.7
30°-40°	1214.6	11.3
40°-50°	1926.2	17.9
50°-60°	2578.9	24.0
60°-70°	2454.3	22.8
70°-80°	1280.7	11.9
80°-90°	96.9	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°	10756.0	100.0
0°-180°	10756.0	100.0

**Coefficient of Utilization**



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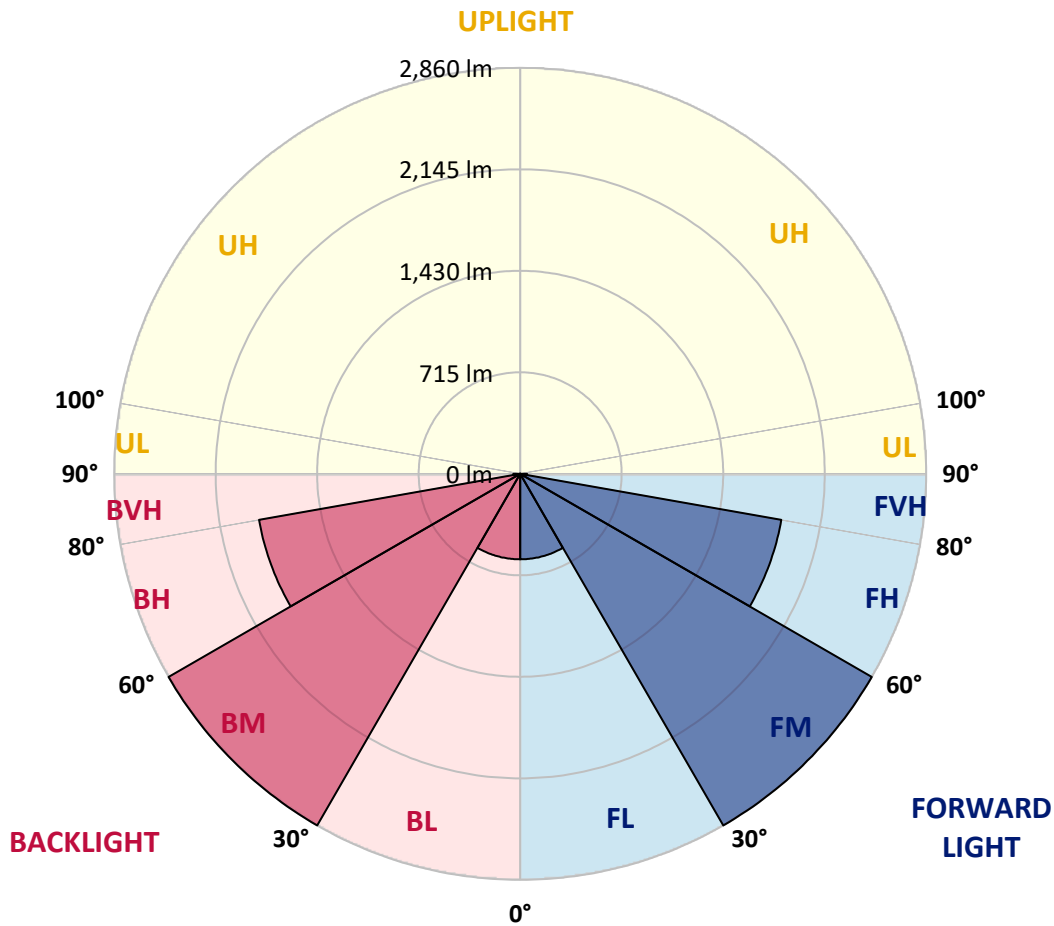
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	602.2	5.6			
FM (30°-60°)	2859.8	26.6			
FH (60°-80°)	1867.5	17.4			G2/5000
FVH (80°-90°)	48.5	0.5			G1/100
BL (0°-30°)	602.2	5.6	B2/1000		
BM (30°-60°)	2859.8	26.6	B3/5000		
BH (60°-80°)	1867.5	17.4	B3/2500		G3/2500
BVH (80°-90°)	48.5	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°	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2	1152.2
2.5°	1152.2	1151.1	1152.2	1153.3	1152.7	1152.7	1155.5	1157.1	1160.4	1159.8
5°	1144.5	1143.9	1148.3	1153.3	1157.1	1163.7	1171.9	1178.0	1185.7	1187.3
7.5°	1140.6	1139.0	1146.7	1155.5	1167.5	1184.0	1199.9	1216.4	1229.6	1234.0
10°	1143.4	1143.9	1154.4	1170.8	1190.1	1213.1	1235.6	1263.6	1282.3	1286.7
12.5°	1156.0	1154.9	1172.5	1198.8	1225.2	1254.3	1280.7	1311.4	1331.7	1342.2
15°	1179.1	1176.9	1201.6	1240.6	1279.0	1313.1	1334.5	1363.6	1387.2	1400.4
17.5°	1206.5	1207.6	1240.0	1290.6	1341.1	1379.5	1399.8	1414.7	1432.8	1444.3
20°	1254.9	1257.1	1293.3	1353.2	1410.8	1454.8	1471.2	1465.7	1470.7	1479.5
22.5°	1319.7	1320.8	1361.4	1426.2	1486.6	1534.9	1545.9	1523.4	1509.7	1515.7
25°	1394.9	1402.0	1442.7	1509.1	1571.2	1617.3	1622.3	1588.2	1554.2	1555.8
27.5°	1486.6	1493.2	1534.4	1600.3	1663.4	1703.5	1703.0	1657.4	1607.4	1594.8
30°	1586.0	1593.1	1635.4	1703.5	1762.3	1797.4	1789.7	1735.4	1664.0	1640.4
32.5°	1704.1	1708.5	1751.3	1819.4	1873.8	1901.8	1885.9	1818.9	1729.9	1703.0
35°	1846.9	1853.5	1885.3	1949.6	1997.3	2020.4	1993.5	1914.4	1814.5	1784.3
37.5°	2010.0	2005.6	2041.8	2098.9	2138.5	2152.7	2116.0	2022.0	1911.1	1875.4
40°	2180.2	2178.0	2217.6	2272.5	2293.9	2302.7	2248.3	2145.6	2022.6	1984.2
42.5°	2334.5	2332.9	2386.1	2447.1	2472.9	2463.0	2394.4	2276.9	2151.7	2107.7
45°	2458.1	2455.9	2521.2	2606.9	2657.4	2641.0	2548.7	2421.8	2282.4	2236.8
47.5°	2553.1	2554.2	2624.5	2730.5	2818.9	2824.9	2706.3	2569.6	2426.2	2374.6
50°	2621.7	2625.0	2700.3	2817.8	2938.6	2991.9	2867.2	2721.1	2575.1	2516.8
52.5°	2638.8	2644.8	2735.4	2873.3	3015.5	3117.1	3030.9	2866.7	2716.2	2660.7
55°	2548.2	2560.2	2675.0	2868.9	3062.7	3199.5	3174.8	3014.4	2858.4	2801.3
57.5°	2340.0	2357.0	2491.0	2744.2	3052.3	3256.0	3286.2	3156.1	3000.7	2945.8
60°	2048.4	2068.7	2197.2	2473.5	2905.1	3276.9	3364.8	3293.9	3131.4	3078.1
62.5°	1608.5	1634.9	1788.6	2112.7	2594.3	3179.7	3431.8	3418.6	3248.9	3182.4
65°	1031.9	1059.9	1221.9	1604.7	2179.7	2882.0	3452.6	3540.0	3373.0	3280.2
67.5°	622.2	634.8	715.0	972.6	1593.1	2433.4	3275.8	3674.5	3518.0	3402.7
70°	398.1	405.3	453.1	571.1	900.6	1775.5	2837.6	3699.8	3693.7	3528.4
72.5°	270.2	272.4	285.0	338.3	509.6	1008.8	2092.9	3349.4	3803.6	3690.4
75°	197.7	209.8	230.1	239.4	289.4	504.1	1199.4	2353.2	3205.5	3254.9
77.5°	147.2	147.7	175.7	186.7	206.5	268.5	507.4	1313.6	1990.2	2089.6
80°	124.7	118.1	117.5	150.5	155.4	167.5	226.8	453.6	712.8	432.2
82.5°	103.8	96.7	87.3	117.5	106.0	102.7	98.3	184.5	226.8	111.5
85°	72.5	69.2	65.9	76.9	60.4	51.6	47.2	86.2	95.6	47.2
87.5°	31.3	32.4	33.0	34.0	25.3	18.1	18.1	24.2	24.2	18.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1152.2
1159.3
1187.3
1235.1
1291.1
1346.6
1405.3
1449.8
1486.1
1520.1
1558.5
1598.6
1643.1
1709.6
1788.6
1882.0
1996.8
2118.7
2247.2
2390.0
2534.4
2675.0
2817.2
2958.4
3089.6
3190.1
3291.7
3411.4
3527.3
3672.9
3135.2
1863.9
326.8
95.0
41.7
13.7
0.0

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