

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: P945968

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945968  
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-SB1D-735-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

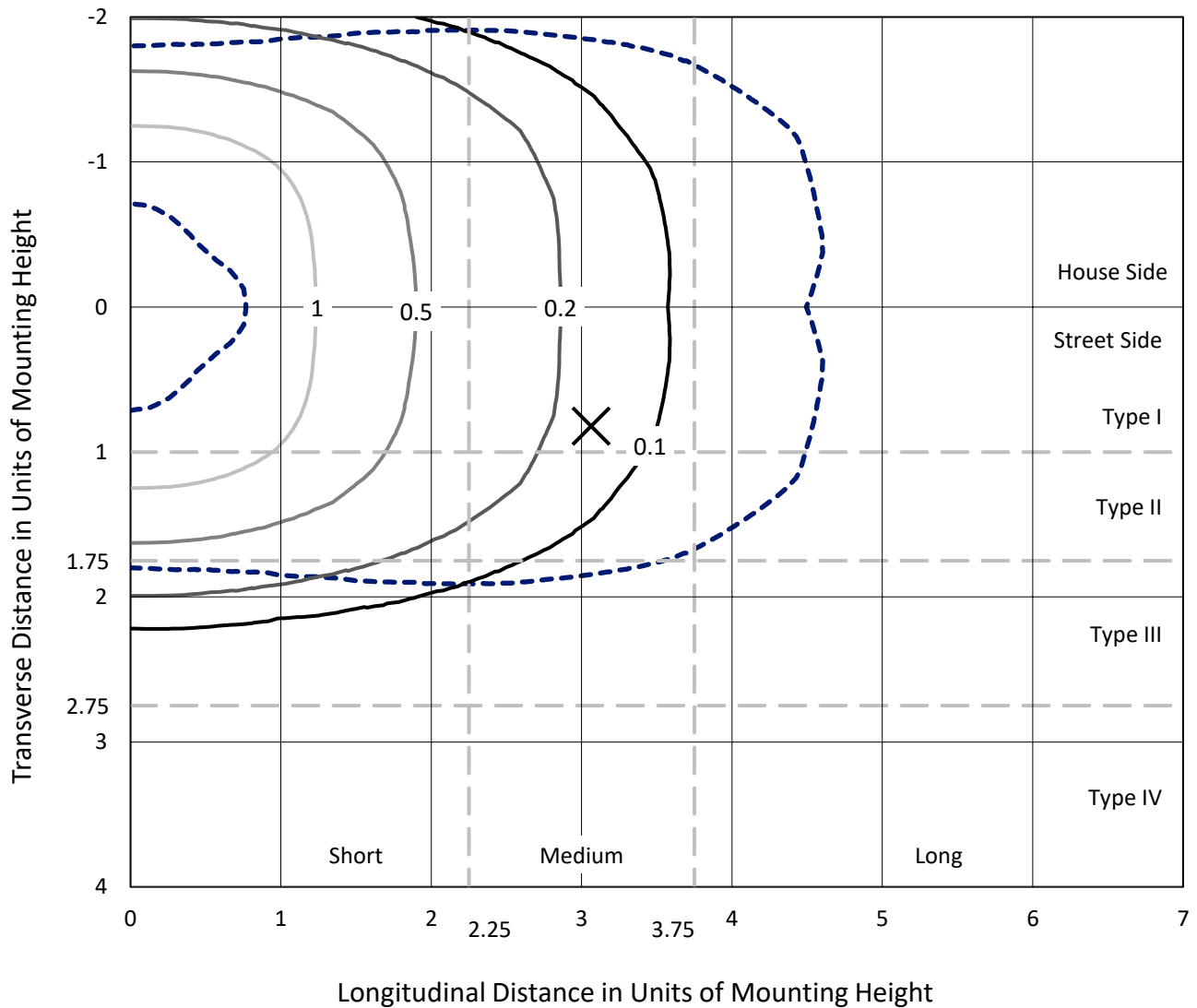
Lumens per Lamp: N/A  
Luminaire Lumens: 10482 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): 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

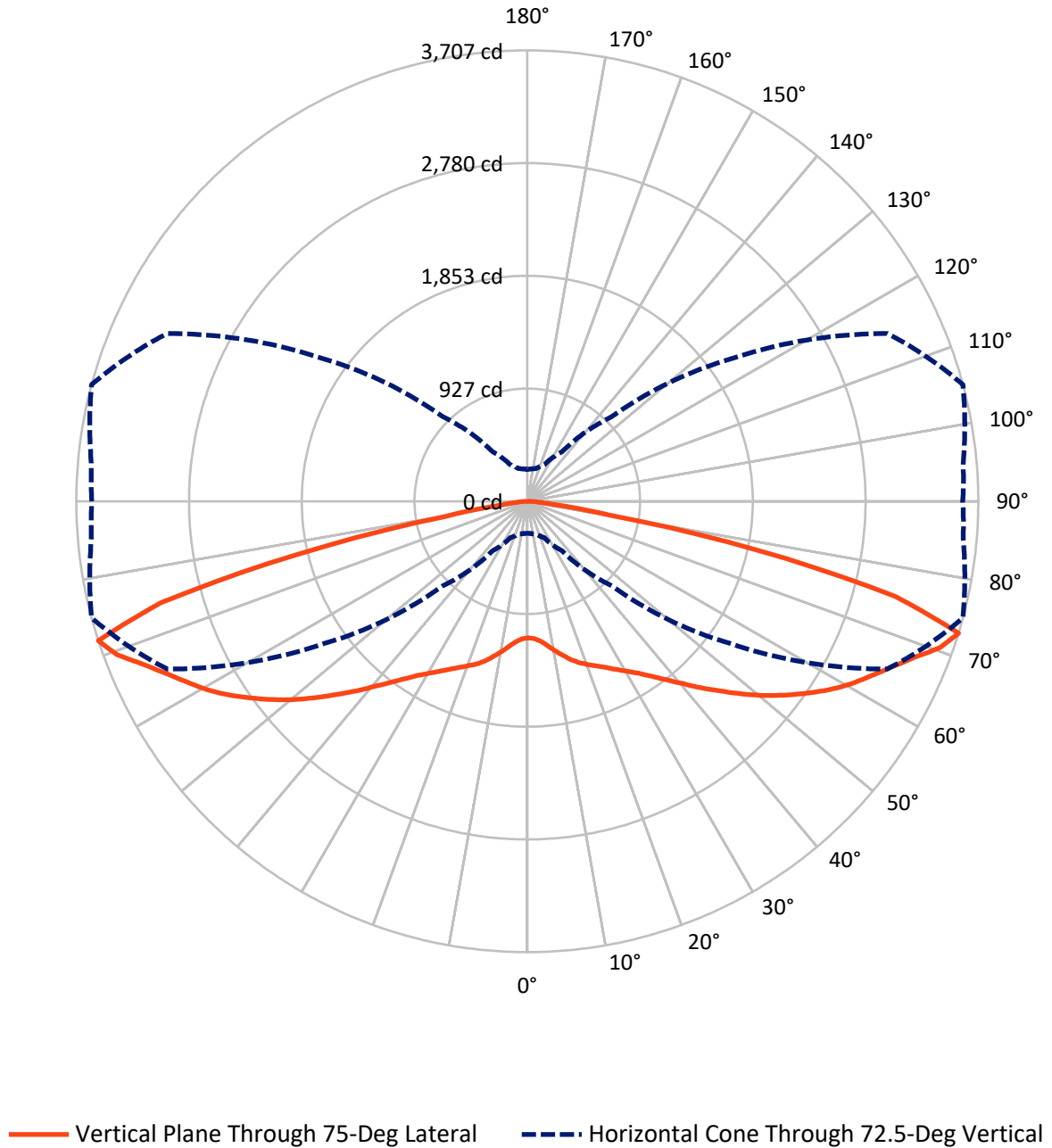
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	5241.0	0.0	5241.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5241.0	0.0	5241.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10482.0	0.0	10482.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.0	1.0
10°-20°	362.8	3.5
20°-30°	701.0	6.7
30°-40°	1183.6	11.3
40°-50°	1877.1	17.9
50°-60°	2513.2	24.0
60°-70°	2391.8	22.8
70°-80°	1248.1	11.9
80°-90°	94.5	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°	10482.0	100.0
0°-180°	10482.0	100.0

**Coefficient of Utilization**



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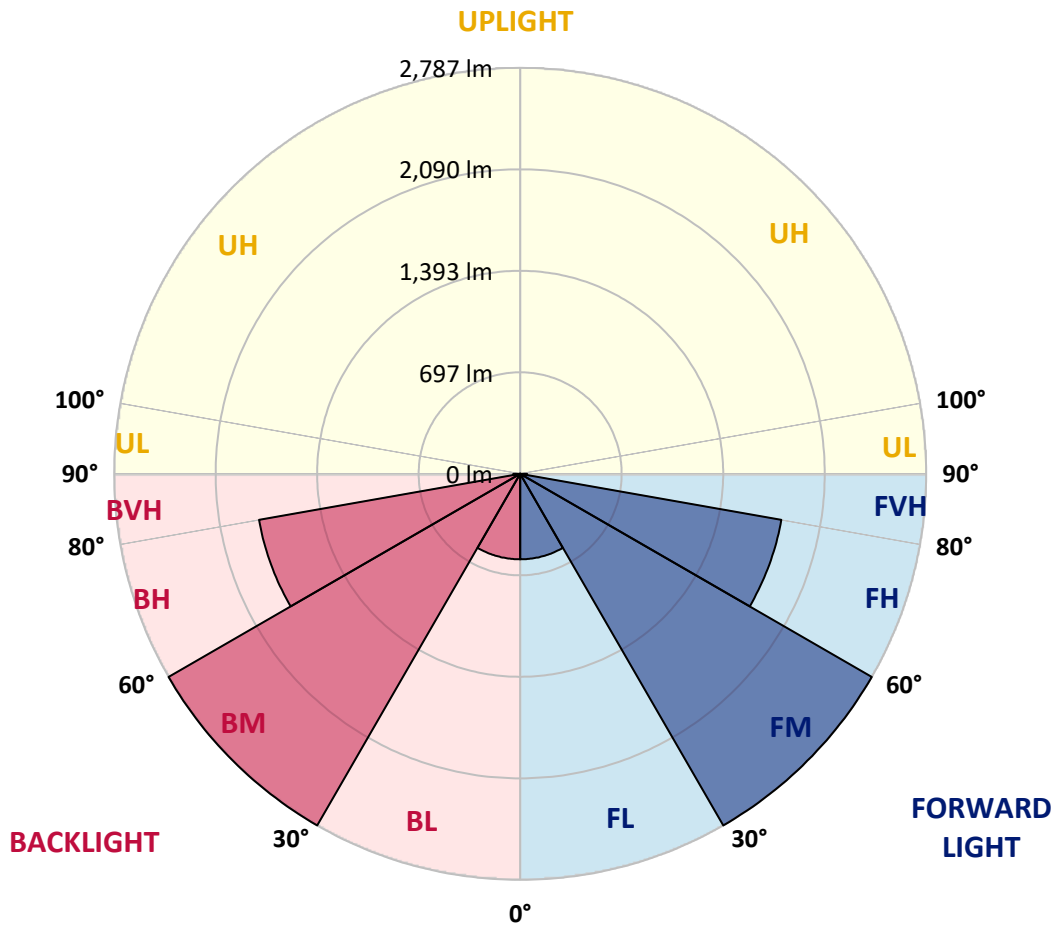
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.9	5.6			
FM (30°-60°)	2787.0	26.6			
FH (60°-80°)	1819.9	17.4			G2/5000
FVH (80°-90°)	47.2	0.5			G1/100
BL (0°-30°)	586.9	5.6	B2/1000		
BM (30°-60°)	2787.0	26.6	B3/5000		
BH (60°-80°)	1819.9	17.4	B3/2500		G3/2500
BVH (80°-90°)	47.2	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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1122.8	1122.8	1122.8	1122.8	1122.8	1122.8	1122.8	1122.8	1122.8	1122.8
2.5°	1122.8	1121.7	1122.8	1123.9	1123.3	1123.3	1126.0	1127.6	1130.8	1130.3
5°	1115.3	1114.8	1119.1	1123.9	1127.6	1134.0	1142.1	1148.0	1155.5	1157.1
7.5°	1111.6	1110.0	1117.5	1126.0	1137.8	1153.9	1169.4	1185.4	1198.3	1202.6
10°	1114.2	1114.8	1125.0	1141.0	1159.7	1182.2	1204.2	1231.5	1249.6	1253.9
12.5°	1126.6	1125.5	1142.6	1168.3	1194.0	1222.4	1248.0	1278.0	1297.8	1308.0
15°	1149.0	1146.9	1171.0	1209.0	1246.4	1279.6	1300.5	1328.9	1351.9	1364.7
17.5°	1175.8	1176.9	1208.4	1257.7	1306.9	1344.4	1364.2	1378.6	1396.3	1407.5
20°	1222.9	1225.0	1260.4	1318.7	1374.9	1417.7	1433.8	1428.4	1433.2	1441.8
22.5°	1286.0	1287.1	1326.7	1389.9	1448.7	1495.8	1506.5	1484.6	1471.2	1477.1
25°	1359.4	1366.3	1405.9	1470.7	1531.2	1576.1	1580.9	1547.7	1514.6	1516.2
27.5°	1448.7	1455.2	1495.3	1559.5	1621.1	1660.1	1659.6	1615.2	1566.5	1554.2
30°	1545.6	1552.6	1593.8	1660.1	1717.4	1751.6	1744.2	1691.2	1621.6	1598.6
32.5°	1660.7	1664.9	1706.7	1773.1	1826.0	1853.3	1837.8	1772.5	1685.8	1659.6
35°	1799.8	1806.2	1837.3	1899.9	1946.5	1968.9	1942.7	1865.6	1768.2	1738.8
37.5°	1958.8	1954.5	1989.8	2045.5	2084.0	2097.9	2062.1	1970.5	1862.4	1827.6
40°	2124.7	2122.5	2161.1	2214.6	2235.5	2244.0	2191.0	2091.0	1971.1	1933.6
42.5°	2275.1	2273.4	2325.4	2384.8	2409.9	2400.3	2333.4	2218.9	2096.8	2054.0
45°	2395.5	2393.3	2457.0	2540.5	2589.7	2573.7	2483.8	2360.1	2224.2	2179.8
47.5°	2488.1	2489.1	2557.6	2660.9	2747.1	2753.0	2637.4	2504.1	2364.4	2314.1
50°	2555.0	2558.2	2631.5	2746.0	2863.8	2915.7	2794.2	2651.8	2509.5	2452.7
52.5°	2571.5	2577.4	2665.7	2800.1	2938.7	3037.7	2953.7	2793.6	2647.0	2593.0
55°	2483.2	2495.0	2606.9	2795.8	2984.7	3118.0	3093.9	2937.6	2785.6	2730.0
57.5°	2280.4	2297.0	2427.6	2674.3	2974.5	3173.1	3202.5	3075.7	2924.2	2870.7
60°	1996.2	2016.0	2141.3	2410.5	2831.1	3193.4	3279.1	3210.0	3051.6	2999.7
62.5°	1567.5	1593.2	1743.1	2058.8	2528.2	3098.7	3344.3	3331.5	3166.1	3101.4
65°	1005.6	1032.9	1190.8	1563.8	2124.1	2808.6	3364.7	3449.8	3287.1	3196.6
67.5°	606.4	618.7	696.8	947.8	1552.6	2371.4	3192.4	3580.9	3428.4	3316.0
70°	388.0	395.0	441.5	556.6	877.7	1730.2	2765.3	3605.5	3599.6	3438.5
72.5°	263.3	265.4	277.8	329.7	496.6	983.1	2039.6	3264.1	3706.7	3596.4
75°	192.7	204.4	224.2	233.3	282.0	491.3	1168.8	2293.3	3123.9	3172.0
77.5°	143.4	144.0	171.3	182.0	201.2	261.7	494.5	1280.2	1939.5	2036.4
80°	121.5	115.1	114.5	146.6	151.5	163.2	221.0	442.1	694.7	421.2
82.5°	101.1	94.2	85.1	114.5	103.3	100.1	95.8	179.8	221.0	108.6
85°	70.6	67.4	64.2	74.9	58.9	50.3	46.0	84.0	93.1	46.0
87.5°	30.5	31.6	32.1	33.2	24.6	17.7	17.7	23.5	23.5	18.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1122.8
1129.8
1157.1
1203.6
1258.2
1312.3
1369.5
1412.9
1448.2
1481.4
1518.8
1557.9
1601.3
1666.0
1743.1
1834.1
1945.9
2064.7
2190.0
2329.1
2469.9
2606.9
2745.5
2883.0
3010.9
3108.9
3207.9
3324.5
3437.5
3579.3
3055.3
1816.4
318.4
92.6
40.7
13.4
0.0

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