

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: P949370

Luminaire Tested: **GALN-SB4A-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949370  
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-SB4A-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

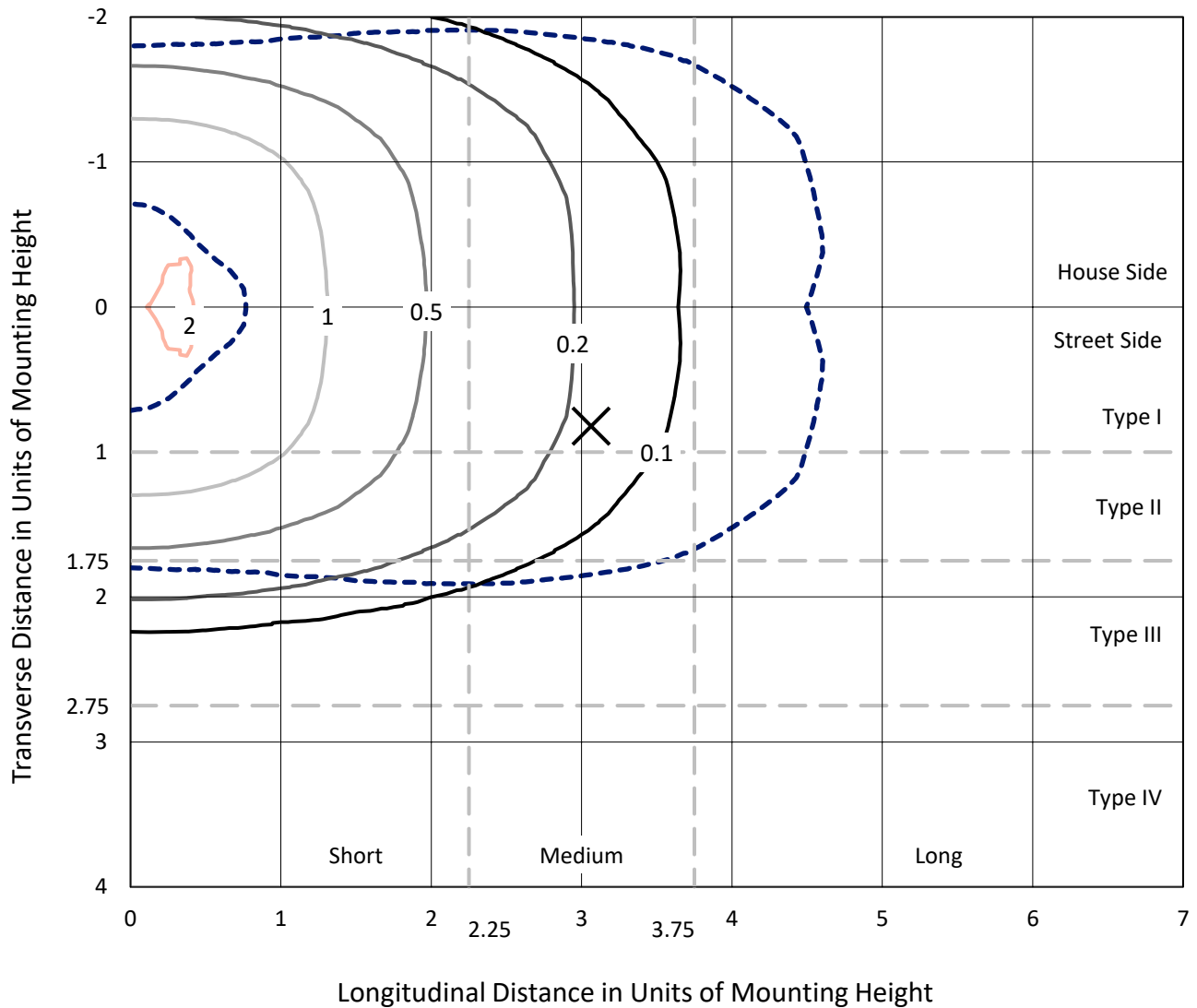
Lumens per Lamp: N/A  
Luminaire Lumens: 11269 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

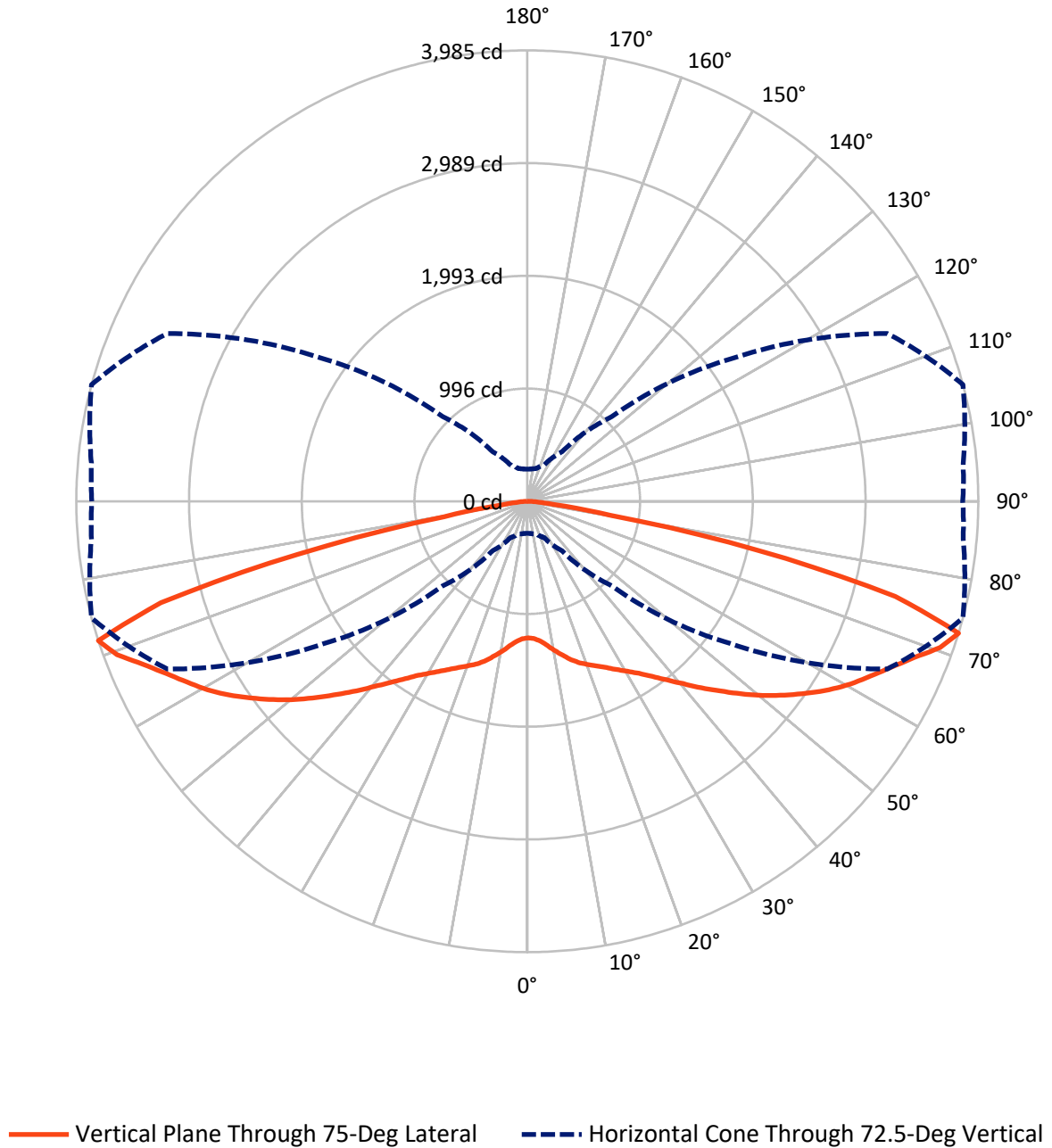
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	5634.5	0.0	5634.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5634.5	0.0	5634.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11269.0	0.0	11269.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.2	1.0
10°-20°	390.0	3.5
20°-30°	753.6	6.7
30°-40°	1272.5	11.3
40°-50°	2018.0	17.9
50°-60°	2701.9	24.0
60°-70°	2571.4	22.8
70°-80°	1341.8	11.9
80°-90°	101.6	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°	11269.0	100.0
0°-180°	11269.0	100.0

**Coefficient of Utilization**



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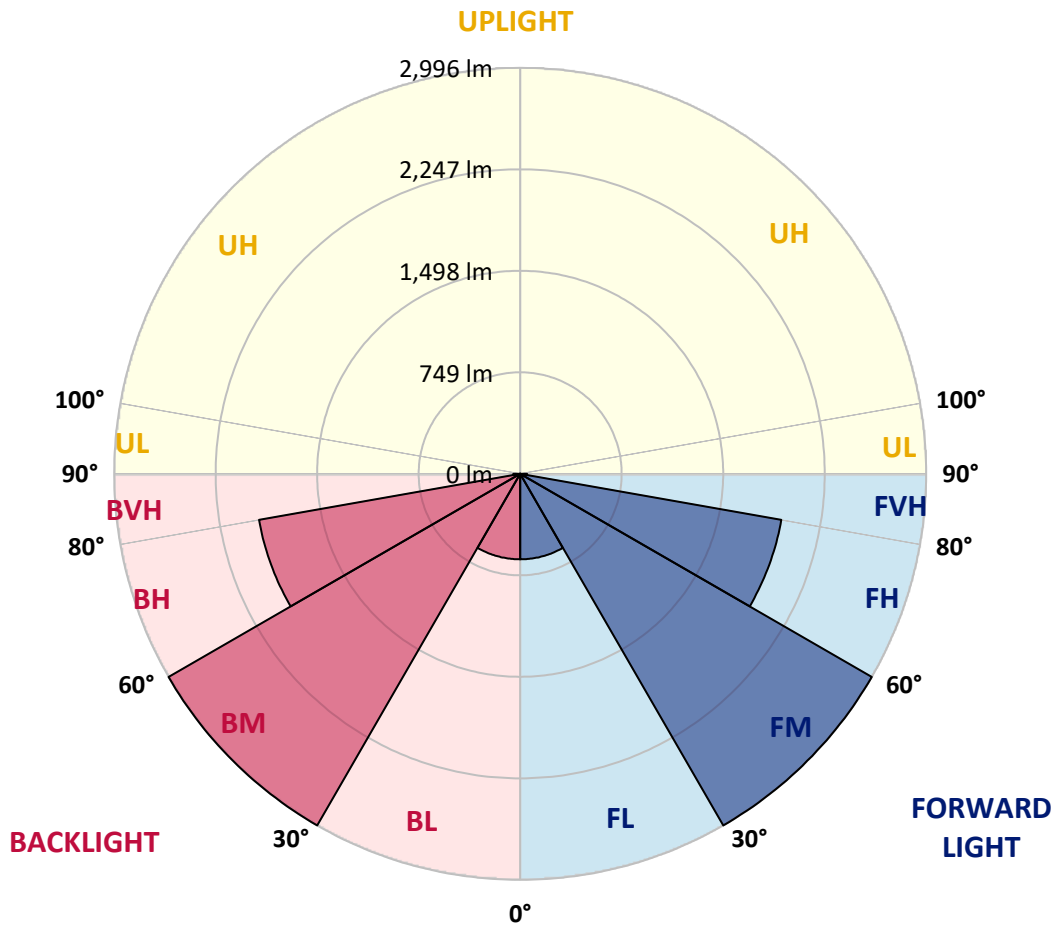
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	630.9	5.6			
FM (30°-60°)	2996.2	26.6			
FH (60°-80°)	1956.6	17.4			G2/5000
FVH (80°-90°)	50.8	0.5			G1/100
BL (0°-30°)	630.9	5.6	B2/1000		
BM (30°-60°)	2996.2	26.6	B3/5000		
BH (60°-80°)	1956.6	17.4	B3/2500		G3/2500
BVH (80°-90°)	50.8	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°	1207.1	1207.1	1207.1	1207.1	1207.1	1207.1	1207.1	1207.1	1207.1	1207.1
2.5°	1207.1	1206.0	1207.1	1208.3	1207.7	1207.7	1210.6	1212.3	1215.7	1215.2
5°	1199.1	1198.5	1203.1	1208.3	1212.3	1219.2	1227.8	1234.2	1242.2	1243.9
7.5°	1195.0	1193.3	1201.4	1210.6	1223.2	1240.5	1257.2	1274.4	1288.2	1292.8
10°	1197.9	1198.5	1209.4	1226.7	1246.8	1271.0	1294.6	1323.9	1343.5	1348.1
12.5°	1211.1	1210.0	1228.4	1256.0	1283.6	1314.1	1341.7	1374.0	1395.3	1406.2
15°	1235.3	1233.0	1258.9	1299.7	1340.0	1375.7	1398.1	1428.6	1453.4	1467.2
17.5°	1264.1	1265.2	1299.2	1352.1	1405.0	1445.3	1466.6	1482.1	1501.1	1513.2
20°	1314.7	1317.0	1355.0	1417.7	1478.1	1524.1	1541.4	1535.6	1540.8	1550.0
22.5°	1382.6	1383.7	1426.3	1494.2	1557.5	1608.1	1619.6	1596.1	1581.7	1588.0
25°	1461.4	1468.9	1511.5	1581.1	1646.1	1694.4	1699.6	1663.9	1628.3	1630.0
27.5°	1557.5	1564.4	1607.6	1676.6	1742.8	1784.8	1784.2	1736.4	1684.1	1670.9
30°	1661.6	1669.1	1713.4	1784.8	1846.3	1883.2	1875.1	1818.1	1743.3	1718.6
32.5°	1785.4	1790.0	1834.8	1906.2	1963.1	1992.5	1975.8	1905.6	1812.4	1784.2
35°	1934.9	1941.9	1975.2	2042.5	2092.6	2116.8	2088.6	2005.7	1901.0	1869.4
37.5°	2105.8	2101.2	2139.2	2199.0	2240.5	2255.4	2216.9	2118.5	2002.3	1964.9
40°	2284.2	2281.9	2323.3	2380.9	2403.3	2412.5	2355.5	2247.9	2119.1	2078.8
42.5°	2445.9	2444.1	2500.0	2563.8	2590.9	2580.5	2508.6	2385.5	2254.3	2208.2
45°	2575.3	2573.0	2641.5	2731.2	2784.2	2766.9	2670.3	2537.4	2391.2	2343.5
47.5°	2674.9	2676.0	2749.7	2860.7	2953.3	2959.7	2835.4	2692.1	2542.0	2487.9
50°	2746.8	2750.2	2829.1	2952.2	3078.8	3134.6	3004.0	2850.9	2697.9	2636.9
52.5°	2764.6	2770.9	2865.9	3010.3	3159.3	3265.8	3175.4	3003.4	2845.7	2787.6
55°	2669.7	2682.3	2802.6	3005.7	3208.8	3352.1	3326.2	3158.2	2994.8	2934.9
57.5°	2451.6	2469.5	2609.8	2875.1	3197.9	3411.3	3443.0	3306.6	3143.8	3086.2
60°	2146.1	2167.4	2302.0	2591.4	3043.7	3433.2	3525.2	3451.0	3280.7	3224.9
62.5°	1685.2	1712.9	1874.0	2213.4	2718.0	3331.4	3595.4	3581.6	3403.8	3334.2
65°	1081.1	1110.5	1280.2	1681.2	2283.6	3019.5	3617.3	3708.8	3533.9	3436.6
67.5°	651.9	665.1	749.1	1019.0	1669.1	2549.4	3432.0	3849.8	3685.8	3564.9
70°	417.1	424.6	474.7	598.4	943.6	1860.1	2972.9	3876.2	3869.9	3696.7
72.5°	283.1	285.4	298.6	354.4	533.9	1056.9	2192.7	3509.1	3985.0	3866.4
75°	207.1	219.8	241.1	250.9	303.2	528.2	1256.6	2465.4	3358.4	3410.2
77.5°	154.2	154.8	184.1	195.6	216.3	281.4	531.6	1376.3	2085.1	2189.3
80°	130.6	123.7	123.1	157.6	162.8	175.5	237.6	475.2	746.8	452.8
82.5°	108.7	101.3	91.5	123.1	111.0	107.6	103.0	193.3	237.6	116.8
85°	75.9	72.5	69.0	80.6	63.3	54.1	49.5	90.3	100.1	49.5
87.5°	32.8	33.9	34.5	35.7	26.5	19.0	19.0	25.3	25.3	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1207.1
1214.6
1243.9
1294.0
1352.7
1410.8
1472.4
1519.0
1556.9
1592.6
1632.9
1674.9
1721.5
1791.1
1874.0
1971.8
2092.0
2219.8
2354.4
2504.0
2655.3
2802.6
2951.6
3099.5
3237.0
3342.3
3448.7
3574.2
3695.6
3848.0
3284.7
1952.8
342.3
99.5
43.7
14.4
0.0

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