

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: P947225

Luminaire Tested: **GALN-SB2C-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947225  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB2C-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

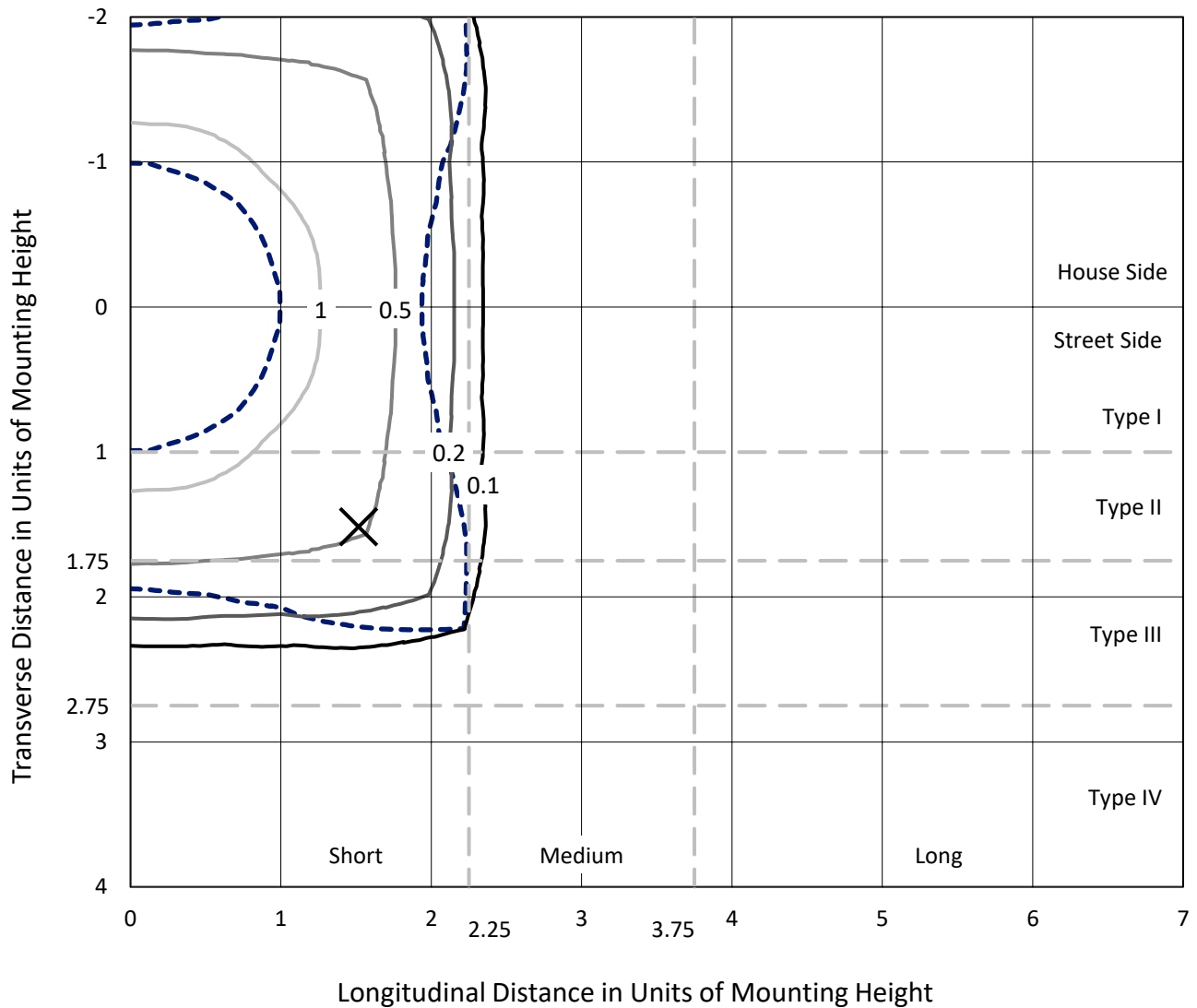
Lumens per Lamp: N/A  
Luminaire Lumens: 9553 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

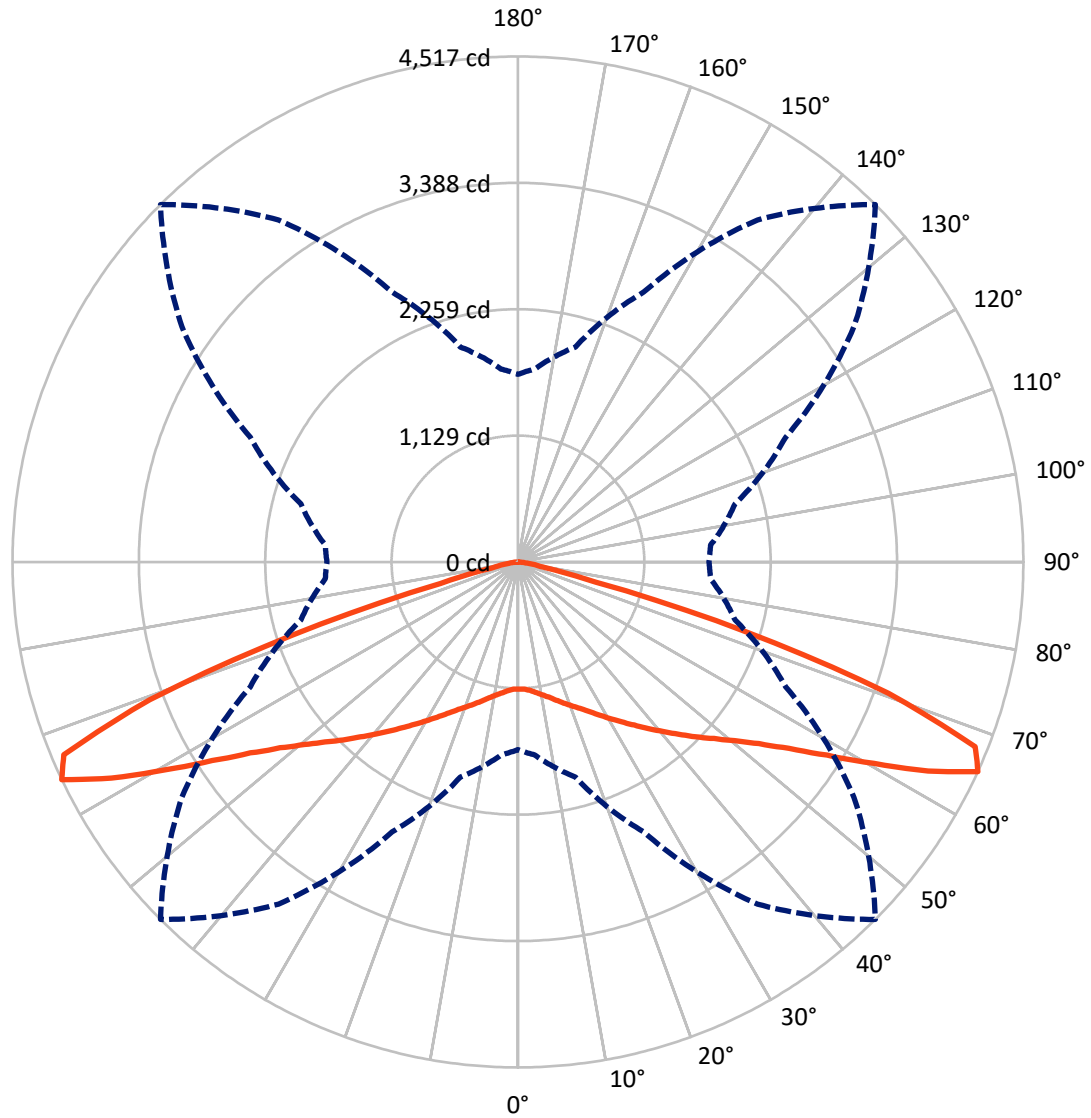
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4776.5	0.0	4776.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4776.5	0.0	4776.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9553.0	0.0	9553.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.2	1.2
10°-20°	366.1	3.8
20°-30°	691.3	7.2
30°-40°	1132.0	11.8
40°-50°	1755.1	18.4
50°-60°	2592.6	27.1
60°-70°	2467.9	25.8
70°-80°	398.2	4.2
80°-90°	37.5	0.4
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°	9553.0	100.0
0°-180°	9553.0	100.0

**Coefficient of Utilization**



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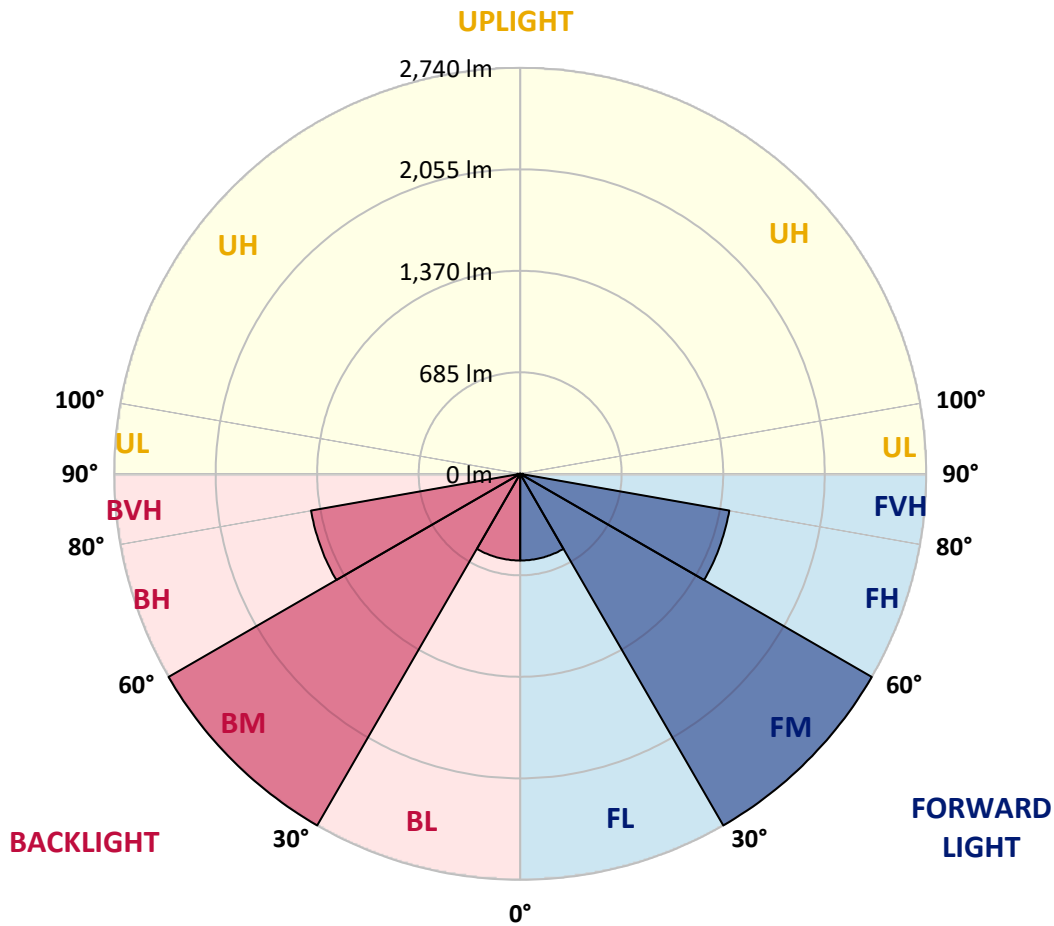
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.8	6.1			
FM (30°-60°)	2739.8	28.7			
FH (60°-80°)	1433.1	15.0			G1/1800
FVH (80°-90°)	18.8	0.2			G1/100
BL (0°-30°)	584.8	6.1	B2/1000		
BM (30°-60°)	2739.8	28.7	B3/5000		
BH (60°-80°)	1433.1	15.0	B3/2500		G1/1800
BVH (80°-90°)	18.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1136.9	1136.9	1136.9	1136.9	1136.9	1136.9	1136.9	1136.9	1136.9	1136.9
2.5°	1144.6	1140.7	1143.6	1141.2	1139.3	1137.4	1138.3	1141.7	1143.1	1143.6
5°	1159.9	1156.6	1158.0	1158.0	1154.6	1153.7	1154.2	1156.6	1159.4	1159.4
7.5°	1184.8	1181.5	1184.8	1182.9	1180.0	1179.1	1178.6	1180.5	1184.8	1184.8
10°	1215.0	1211.2	1213.1	1212.2	1208.8	1207.4	1206.9	1209.8	1213.6	1213.1
12.5°	1248.1	1243.8	1246.2	1243.3	1242.3	1240.9	1240.9	1240.4	1242.8	1240.9
15°	1285.0	1282.1	1283.1	1281.2	1282.6	1281.7	1277.8	1275.9	1276.9	1274.0
17.5°	1328.6	1321.9	1325.3	1324.3	1324.3	1326.2	1320.0	1317.6	1319.5	1316.6
20°	1378.9	1372.2	1373.7	1371.8	1369.4	1371.3	1363.6	1365.5	1367.0	1365.0
22.5°	1434.1	1425.4	1425.0	1425.9	1420.6	1421.1	1415.9	1420.6	1423.5	1418.3
25°	1490.6	1481.5	1487.8	1485.4	1478.6	1480.1	1476.2	1481.0	1483.4	1476.7
27.5°	1550.5	1544.3	1550.1	1551.5	1543.3	1549.1	1543.3	1547.7	1550.1	1540.0
30°	1620.5	1614.3	1619.6	1623.4	1613.8	1622.9	1618.1	1621.0	1621.5	1609.5
32.5°	1696.7	1687.1	1700.6	1702.5	1691.9	1703.0	1696.7	1700.6	1703.0	1686.7
35°	1789.7	1777.7	1793.1	1790.7	1781.6	1790.7	1784.9	1790.7	1796.4	1776.8
37.5°	1889.9	1877.4	1893.7	1889.4	1880.8	1887.0	1883.7	1887.5	1896.6	1875.5
40°	2000.1	1984.8	2006.8	1999.2	1991.0	1990.1	1992.0	1994.4	2006.4	1982.9
42.5°	2118.0	2101.7	2134.8	2122.8	2111.3	2103.7	2109.9	2114.7	2126.2	2099.8
45°	2252.7	2234.0	2277.2	2262.8	2244.6	2228.8	2238.8	2246.0	2262.8	2231.1
47.5°	2401.3	2380.2	2426.2	2421.9	2392.2	2357.7	2380.7	2401.3	2413.8	2375.4
50°	2546.5	2530.2	2590.6	2595.9	2559.5	2511.1	2543.2	2574.3	2577.7	2527.4
52.5°	2682.6	2666.4	2754.1	2787.1	2754.5	2697.0	2731.1	2762.7	2737.3	2672.1
55°	2791.5	2778.0	2889.7	2975.0	2986.0	2938.6	2958.7	2957.8	2874.4	2774.2
57.5°	2817.8	2815.9	2956.8	3137.5	3252.5	3258.3	3218.5	3116.9	2937.2	2802.5
60°	2698.0	2710.0	2903.6	3222.3	3529.1	3656.6	3484.5	3194.5	2865.7	2678.8
62.5°	2339.5	2371.1	2604.5	3118.8	3752.4	4114.8	3697.8	3076.6	2572.4	2328.4
65°	1676.6	1731.7	1989.6	2661.6	3732.3	4517.4	3667.1	2640.0	2008.8	1727.4
67.5°	760.7	816.7	1035.8	1822.3	3244.4	4408.1	3236.7	1841.5	1087.5	819.6
70°	275.6	285.2	355.6	729.5	2073.5	3512.3	2162.1	734.8	378.2	303.9
72.5°	166.8	168.2	183.1	261.2	720.4	2132.4	751.1	269.8	186.9	165.8
75°	105.9	105.0	130.4	159.6	255.5	719.4	267.9	159.6	129.9	118.4
77.5°	76.2	78.6	93.5	119.3	161.0	244.0	158.2	114.1	93.5	76.7
80°	57.0	58.5	68.1	93.0	113.1	151.9	100.7	84.4	70.5	47.9
82.5°	41.2	41.2	44.6	67.6	69.0	82.0	54.6	59.4	46.5	34.0
85°	24.4	24.0	27.8	40.3	35.9	30.2	24.9	36.4	29.2	21.1
87.5°	8.6	9.1	8.6	11.5	9.6	8.1	7.7	10.1	8.1	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1136.9
1143.6
1159.4
1183.4
1212.2
1241.9
1274.5
1319.0
1369.4
1423.5
1484.4
1547.7
1616.7
1697.7
1788.8
1888.4
1990.5
2113.7
2247.4
2388.4
2533.6
2674.0
2777.6
2793.8
2656.8
2314.1
1706.8
807.6
300.0
168.7
119.3
78.1
49.4
34.0
20.6
6.7
0.0

OF REPORT)