

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: P946910

Luminaire Tested: **GALN-SB2B-935-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946910  
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-SB2B-935-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

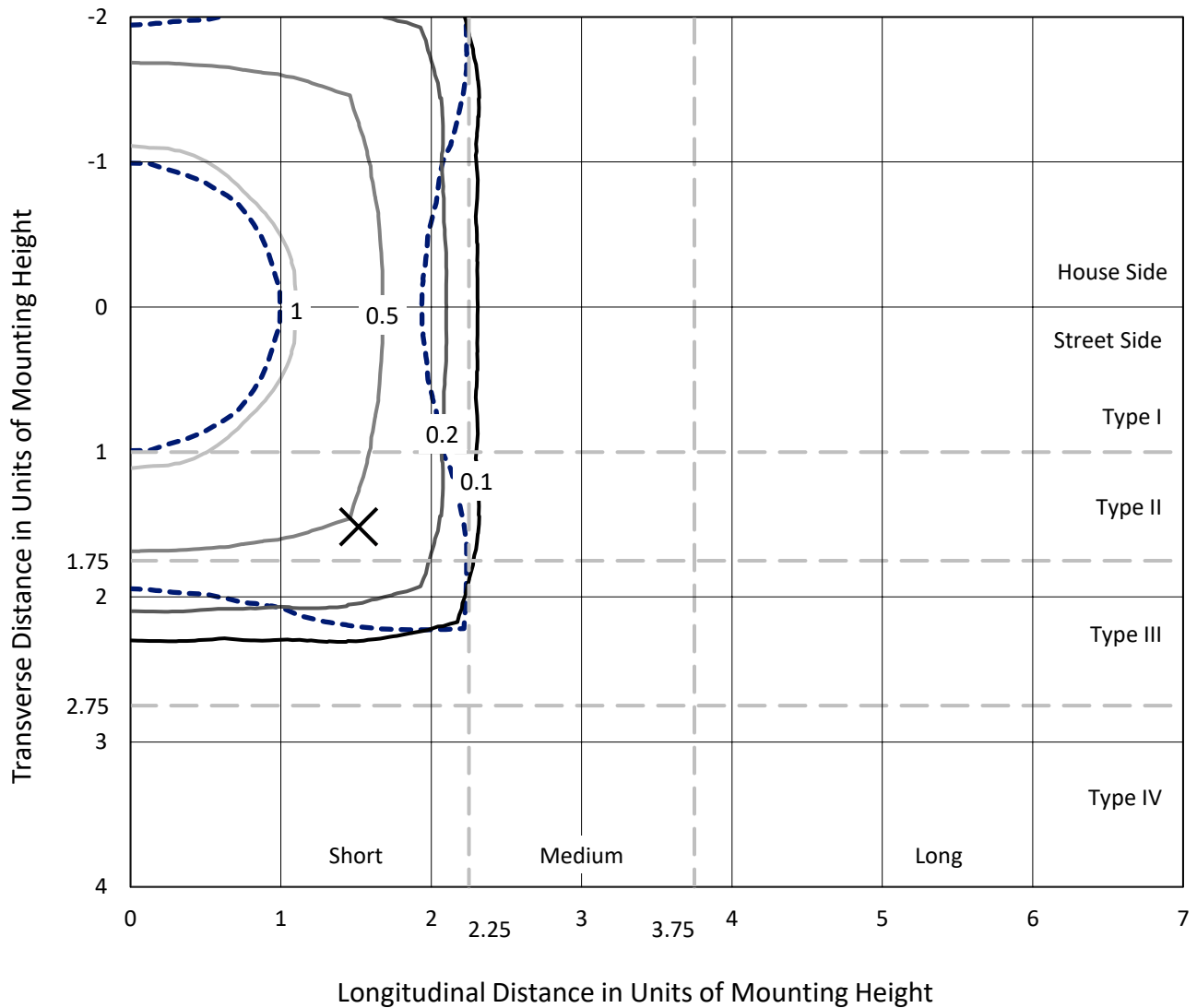
Lumens per Lamp: N/A  
Luminaire Lumens: 8209 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

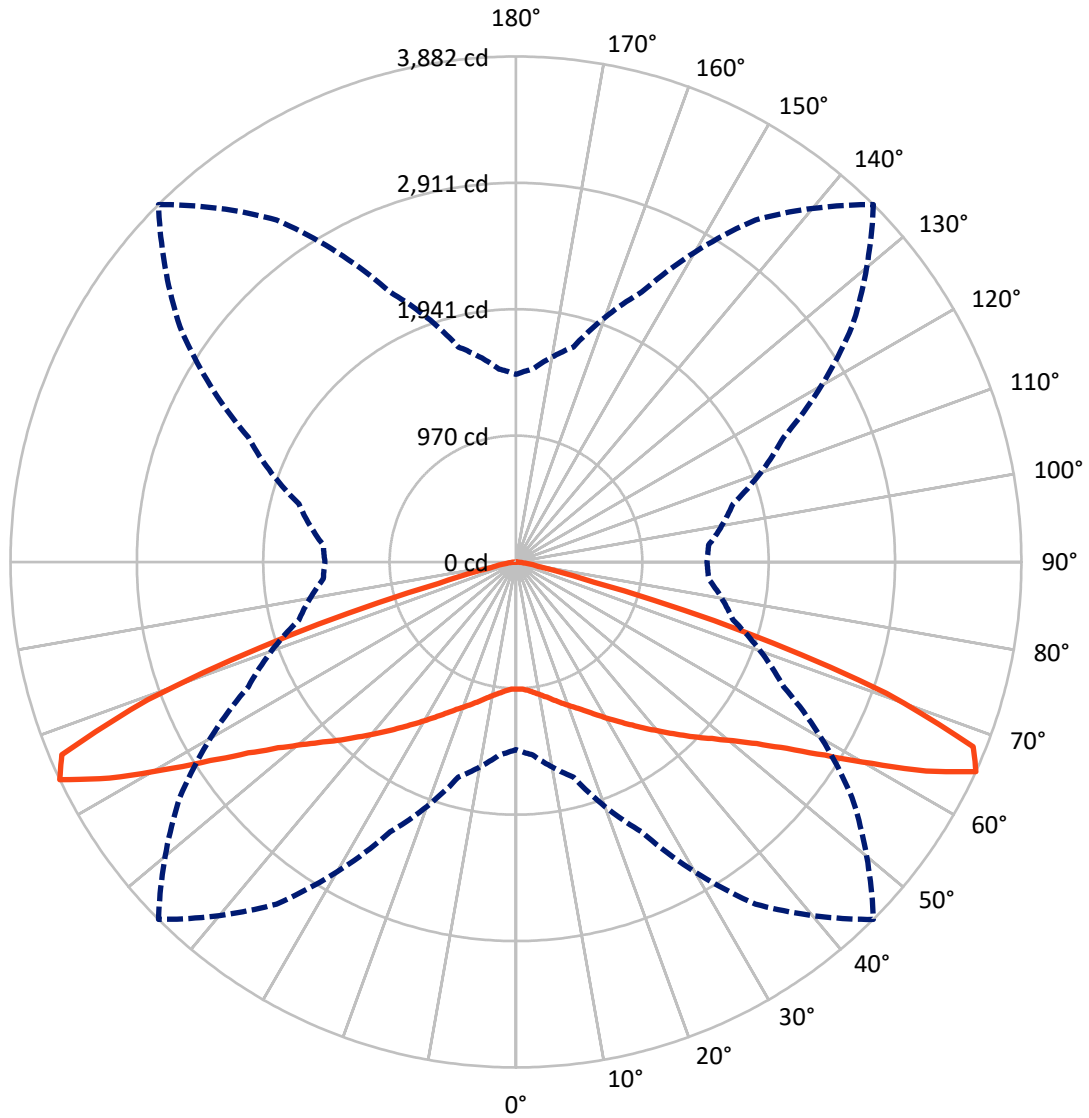
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	4104.5	0.0	4104.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4104.5	0.0	4104.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8209.0	0.0	8209.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.4	1.2
10°-20°	314.6	3.8
20°-30°	594.0	7.2
30°-40°	972.7	11.8
40°-50°	1508.2	18.4
50°-60°	2227.9	27.1
60°-70°	2120.7	25.8
70°-80°	342.2	4.2
80°-90°	32.3	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°	8209.0	100.0
0°-180°	8209.0	100.0



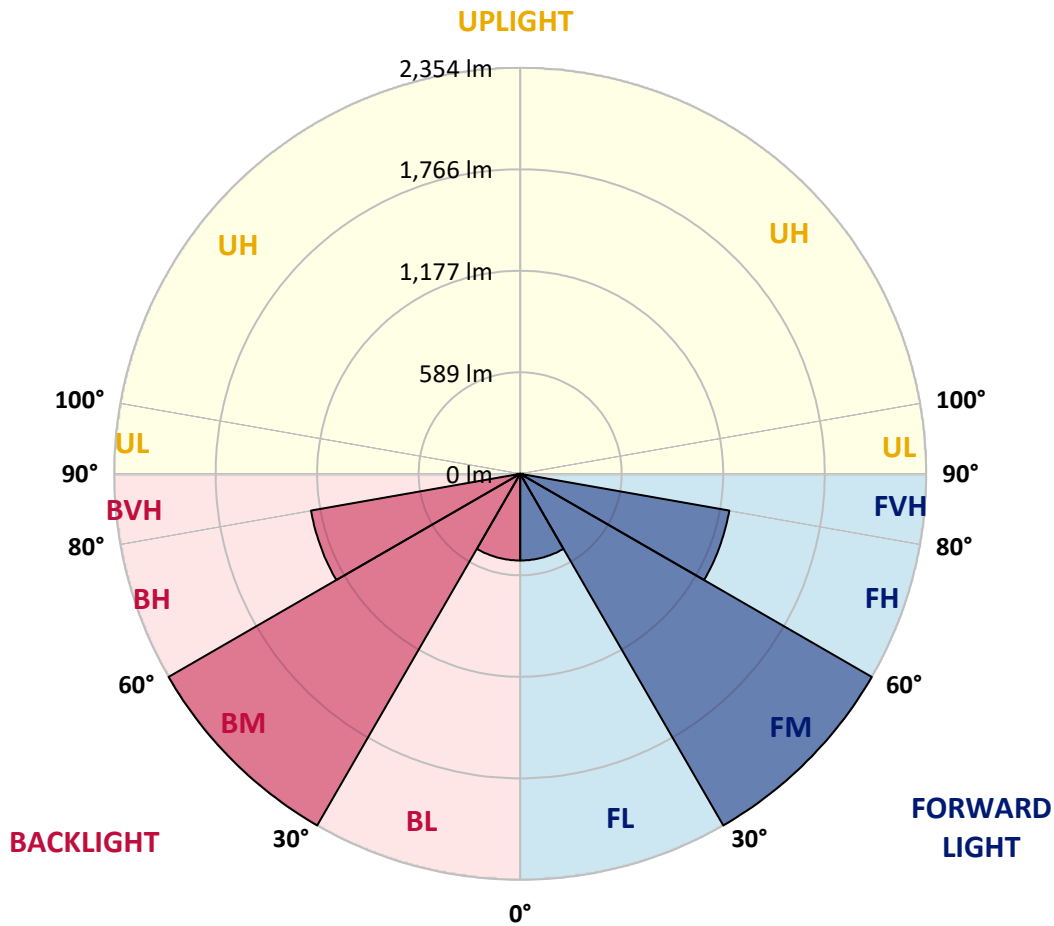
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.5	6.1			
FM (30°-60°)	2354.4	28.7			
FH (60°-80°)	1231.5	15.0			G1/1800
FVH (80°-90°)	16.1	0.2			G1/100
BL (0°-30°)	502.5	6.1	B2/1000		
BM (30°-60°)	2354.4	28.7	B2/2500		
BH (60°-80°)	1231.5	15.0	B3/2500		G1/1800
BVH (80°-90°)	16.1	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°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0
2.5°	983.5	980.2	982.7	980.7	979.0	977.4	978.2	981.1	982.3	982.7
5°	996.7	993.8	995.1	995.1	992.2	991.4	991.8	993.8	996.3	996.3
7.5°	1018.1	1015.3	1018.1	1016.5	1014.0	1013.2	1012.8	1014.4	1018.1	1018.1
10°	1044.1	1040.8	1042.4	1041.6	1038.7	1037.5	1037.1	1039.6	1042.9	1042.4
12.5°	1072.5	1068.8	1070.9	1068.4	1067.6	1066.3	1066.3	1065.9	1068.0	1066.3
15°	1104.2	1101.7	1102.6	1100.9	1102.2	1101.3	1098.0	1096.4	1097.2	1094.7
17.5°	1141.7	1135.9	1138.8	1138.0	1138.0	1139.6	1134.3	1132.2	1133.9	1131.4
20°	1184.9	1179.2	1180.4	1178.8	1176.7	1178.4	1171.8	1173.4	1174.7	1173.0
22.5°	1232.3	1224.9	1224.5	1225.3	1220.8	1221.2	1216.7	1220.8	1223.3	1218.7
25°	1280.9	1273.1	1278.4	1276.4	1270.6	1271.9	1268.6	1272.7	1274.7	1269.0
27.5°	1332.4	1327.0	1332.0	1333.2	1326.2	1331.2	1326.2	1329.9	1332.0	1323.3
30°	1392.5	1387.2	1391.7	1395.0	1386.8	1394.6	1390.5	1392.9	1393.4	1383.1
32.5°	1458.0	1449.8	1461.3	1463.0	1453.9	1463.4	1458.0	1461.3	1463.4	1449.4
35°	1537.9	1527.6	1540.8	1538.7	1530.9	1538.7	1533.8	1538.7	1543.7	1526.8
37.5°	1624.0	1613.3	1627.3	1623.6	1616.2	1621.5	1618.6	1621.9	1629.8	1611.6
40°	1718.7	1705.5	1724.5	1717.9	1710.9	1710.1	1711.7	1713.8	1724.1	1703.9
42.5°	1820.0	1806.0	1834.5	1824.2	1814.3	1807.7	1813.0	1817.2	1827.1	1804.4
45°	1935.8	1919.7	1956.8	1944.4	1928.8	1915.2	1923.8	1930.0	1944.4	1917.2
47.5°	2063.5	2045.3	2084.9	2081.2	2055.6	2026.0	2045.8	2063.5	2074.2	2041.2
50°	2188.3	2174.3	2226.2	2230.7	2199.4	2157.8	2185.4	2212.1	2215.0	2171.8
52.5°	2305.2	2291.2	2366.6	2395.0	2367.0	2317.6	2346.8	2374.0	2352.2	2296.2
55°	2398.7	2387.2	2483.2	2556.5	2565.9	2525.2	2542.5	2541.6	2470.0	2383.9
57.5°	2421.4	2419.7	2540.8	2696.1	2794.9	2799.9	2765.7	2678.4	2523.9	2408.2
60°	2318.4	2328.7	2495.1	2769.0	3032.6	3142.1	2994.3	2745.1	2462.6	2301.9
62.5°	2010.3	2037.5	2238.1	2680.0	3224.5	3535.9	3177.6	2643.8	2210.5	2000.9
65°	1440.7	1488.1	1709.7	2287.1	3207.2	3881.9	3151.2	2268.6	1726.1	1484.4
67.5°	653.6	701.8	890.0	1565.9	2787.9	3788.0	2781.4	1582.4	934.5	704.3
70°	236.8	245.1	305.6	626.9	1781.7	3018.2	1857.9	631.4	325.0	261.1
72.5°	143.3	144.6	157.3	224.5	619.0	1832.4	645.4	231.9	160.6	142.5
75°	91.0	90.2	112.0	137.2	219.5	618.2	230.2	137.2	111.6	101.7
77.5°	65.5	67.5	80.3	102.6	138.4	209.6	135.9	98.0	80.3	65.9
80°	49.0	50.2	58.5	79.9	97.2	130.6	86.5	72.5	60.5	41.2
82.5°	35.4	35.4	38.3	58.1	59.3	70.4	47.0	51.1	40.0	29.2
85°	21.0	20.6	23.9	34.6	30.9	25.9	21.4	31.3	25.1	18.1
87.5°	7.4	7.8	7.4	9.9	8.2	7.0	6.6	8.6	7.0	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
977.0
982.7
996.3
1016.9
1041.6
1067.2
1095.2
1133.5
1176.7
1223.3
1275.6
1329.9
1389.2
1458.8
1537.1
1622.8
1710.5
1816.3
1931.3
2052.3
2177.1
2297.8
2386.8
2400.8
2283.0
1988.5
1466.7
694.0
257.8
145.0
102.6
67.1
42.4
29.2
17.7
5.8
0.0

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