

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: P947246

Luminaire Tested: **GALN-SB2C-930-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947246
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-930-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10918 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

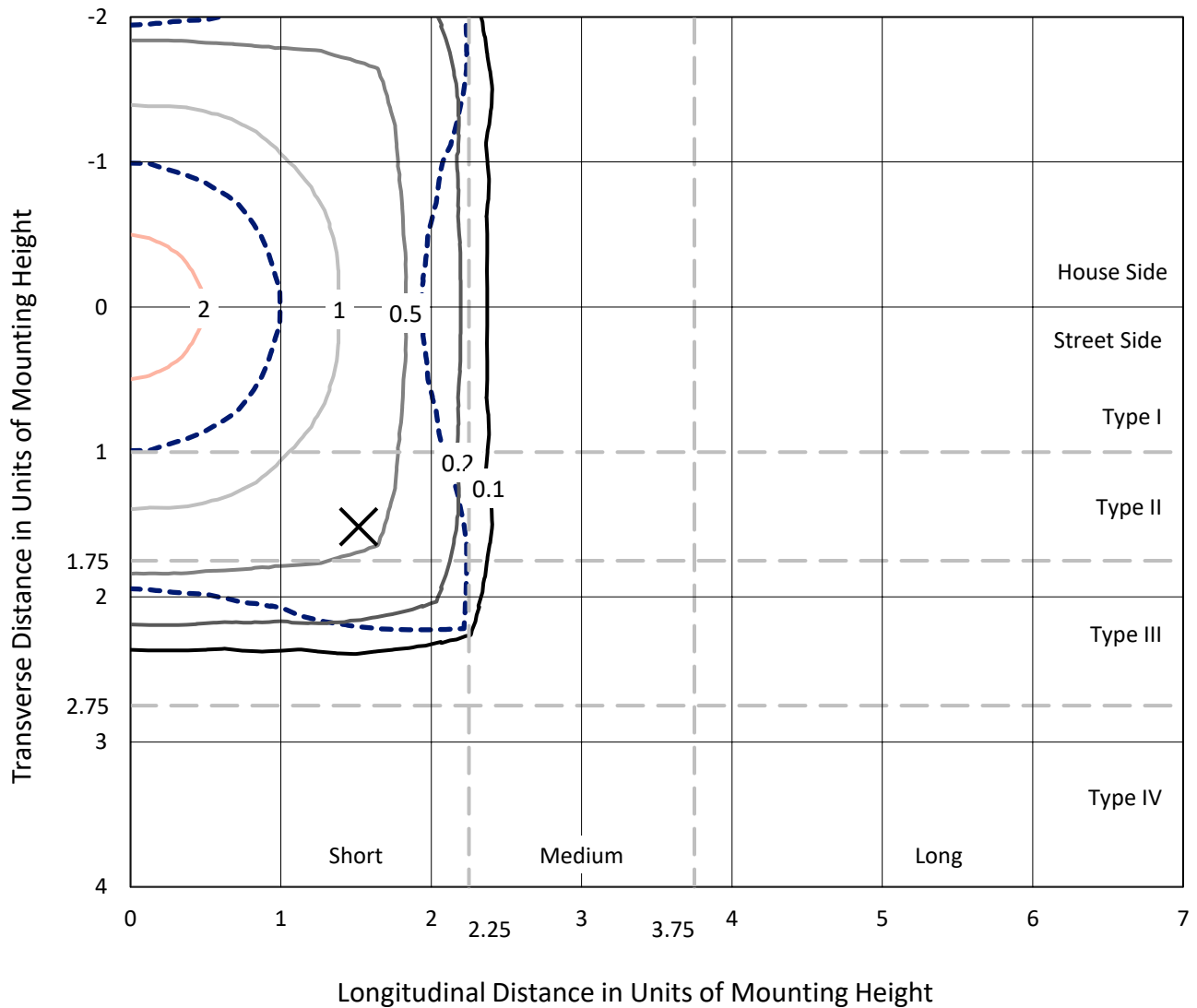
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

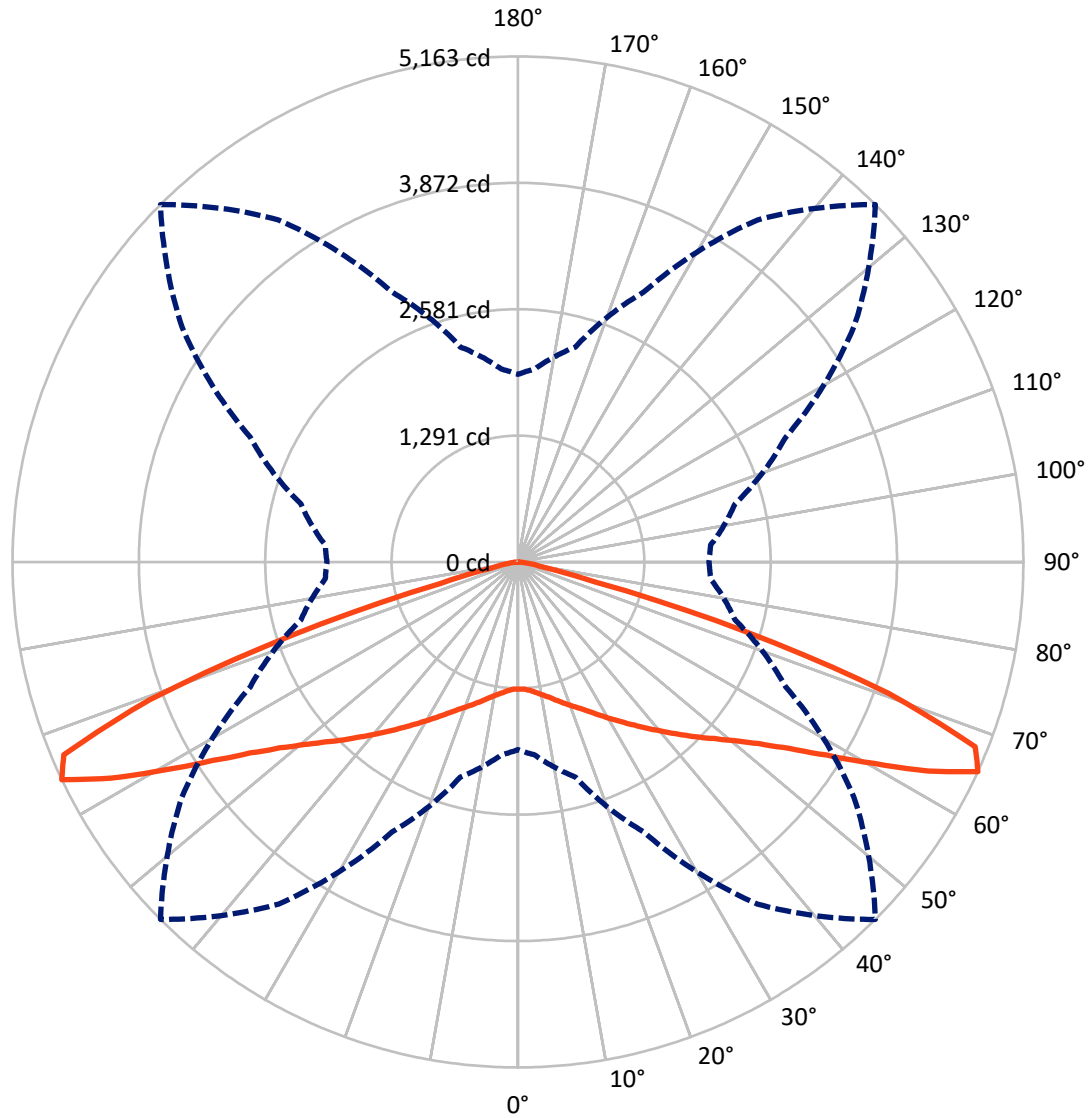
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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
House Side	Lumens	5459.0	0.0	5459.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5459.0	0.0	5459.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10918.0	0.0	10918.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.2	1.2
10°-20°	418.4	3.8
20°-30°	790.1	7.2
30°-40°	1293.7	11.8
40°-50°	2005.9	18.4
50°-60°	2963.1	27.1
60°-70°	2820.6	25.8
70°-80°	455.1	4.2
80°-90°	42.9	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°	10918.0	100.0
0°-180°	10918.0	100.0



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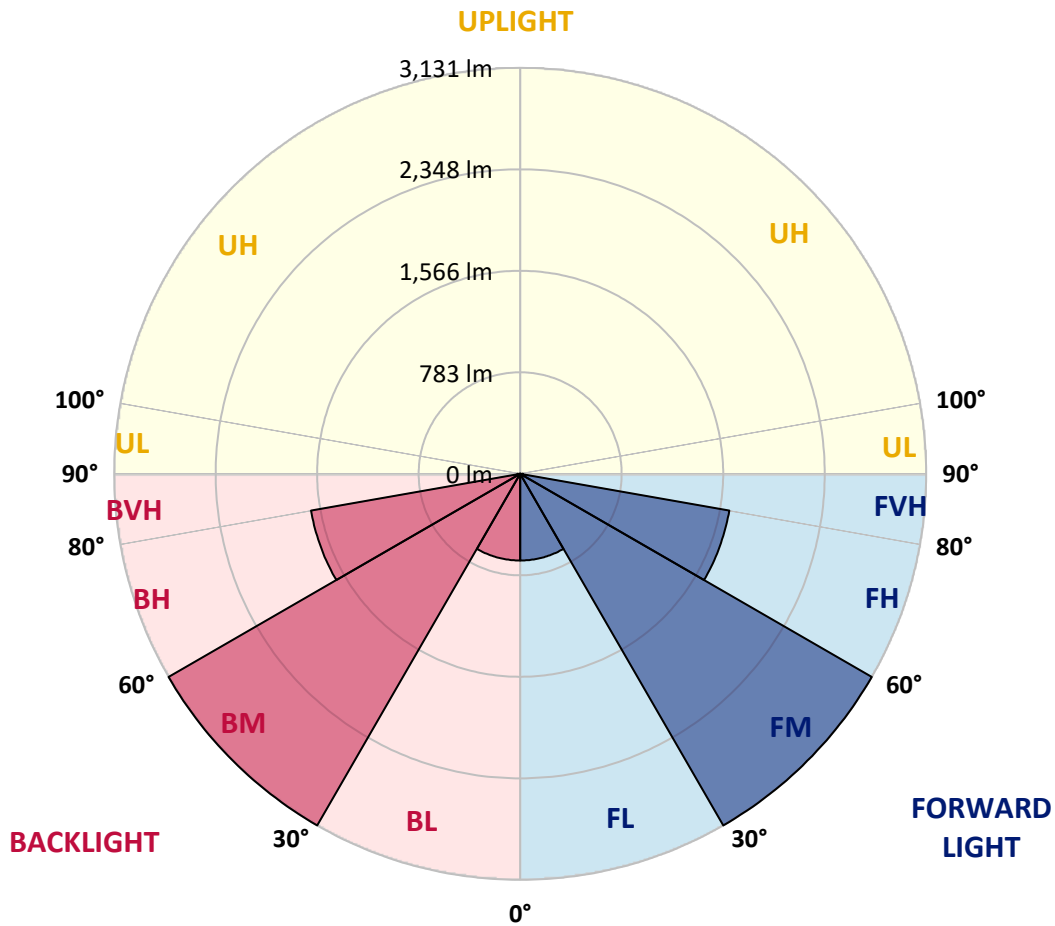
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	668.4	6.1			
FM (30°-60°)	3131.3	28.7			
FH (60°-80°)	1637.9	15.0			G1/1800
FVH (80°-90°)	21.4	0.2			G1/100
BL (0°-30°)	668.4	6.1	B2/1000		
BM (30°-60°)	3131.3	28.7	B3/5000		
BH (60°-80°)	1637.9	15.0	B3/2500		G1/1800
BVH (80°-90°)	21.4	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°	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4	1299.4
2.5°	1308.1	1303.7	1307.0	1304.3	1302.1	1299.9	1301.0	1304.8	1306.5	1307.0
5°	1325.6	1321.8	1323.5	1323.5	1319.6	1318.5	1319.1	1321.8	1325.1	1325.1
7.5°	1354.1	1350.3	1354.1	1351.9	1348.7	1347.6	1347.0	1349.2	1354.1	1354.1
10°	1388.6	1384.3	1386.4	1385.4	1381.5	1379.9	1379.3	1382.6	1387.0	1386.4
12.5°	1426.4	1421.5	1424.2	1421.0	1419.9	1418.2	1418.2	1417.7	1420.4	1418.2
15°	1468.6	1465.3	1466.4	1464.2	1465.9	1464.8	1460.4	1458.2	1459.3	1456.0
17.5°	1518.5	1510.8	1514.6	1513.5	1513.5	1515.7	1508.6	1505.9	1508.1	1504.8
20°	1576.0	1568.3	1570.0	1567.8	1565.0	1567.2	1558.5	1560.6	1562.3	1560.1
22.5°	1639.0	1629.1	1628.6	1629.7	1623.6	1624.2	1618.2	1623.6	1626.9	1620.9
25°	1703.6	1693.2	1700.3	1697.6	1689.9	1691.6	1687.2	1692.7	1695.4	1687.7
27.5°	1772.1	1765.0	1771.5	1773.2	1763.9	1770.4	1763.9	1768.8	1771.5	1760.0
30°	1852.1	1844.9	1851.0	1855.4	1844.4	1854.8	1849.3	1852.6	1853.2	1839.5
32.5°	1939.2	1928.2	1943.5	1945.7	1933.7	1946.3	1939.2	1943.5	1946.3	1927.7
35°	2045.4	2031.7	2049.3	2046.5	2036.1	2046.5	2040.0	2046.5	2053.1	2030.6
37.5°	2159.9	2145.7	2164.3	2159.4	2149.5	2156.6	2152.8	2157.2	2167.6	2143.5
40°	2285.9	2268.4	2293.6	2284.8	2275.5	2274.4	2276.6	2279.3	2293.0	2266.2
42.5°	2420.7	2402.0	2439.8	2426.1	2413.0	2404.2	2411.4	2416.8	2430.0	2399.9
45°	2574.6	2553.2	2602.5	2586.1	2565.3	2547.2	2558.7	2566.9	2586.1	2549.9
47.5°	2744.4	2720.3	2772.9	2768.0	2734.0	2694.6	2720.9	2744.4	2758.7	2714.8
50°	2910.4	2891.8	2960.8	2966.8	2925.2	2869.9	2906.6	2942.2	2946.0	2888.5
52.5°	3066.0	3047.3	3147.6	3185.4	3148.1	3082.4	3121.3	3157.4	3128.4	3053.9
55°	3190.3	3175.0	3302.6	3400.1	3412.7	3358.5	3381.5	3380.4	3285.1	3170.6
57.5°	3220.4	3218.2	3379.3	3585.8	3717.3	3723.9	3678.4	3562.3	3356.8	3202.9
60°	3083.5	3097.2	3318.5	3682.8	4033.4	4179.1	3982.4	3651.0	3275.2	3061.6
62.5°	2673.7	2709.9	2976.7	3564.5	4288.6	4702.8	4226.2	3516.2	2940.0	2661.2
65°	1916.2	1979.2	2273.9	3041.9	4265.6	5162.9	4191.1	3017.2	2295.8	1974.2
67.5°	869.3	933.4	1183.8	2082.7	3708.0	5038.0	3699.2	2104.6	1242.9	936.7
70°	315.0	325.9	406.5	833.7	2369.7	4014.2	2471.1	839.8	432.2	347.3
72.5°	190.6	192.3	209.3	298.5	823.3	2437.1	858.4	308.4	213.6	189.5
75°	121.1	120.0	149.0	182.4	292.0	822.2	306.2	182.4	148.5	135.3
77.5°	87.1	89.8	106.8	136.4	184.1	278.8	180.8	130.4	106.8	87.6
80°	65.2	66.8	77.8	106.3	129.3	173.6	115.0	96.4	80.5	54.8
82.5°	47.1	47.1	50.9	77.2	78.9	93.7	62.4	67.9	53.1	38.9
85°	27.9	27.4	31.8	46.0	41.1	34.5	28.5	41.6	33.4	24.1
87.5°	9.9	10.4	9.9	13.1	11.0	9.3	8.8	11.5	9.3	8.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1299.4
1307.0
1325.1
1352.5
1385.4
1419.3
1456.6
1507.5
1565.0
1626.9
1696.5
1768.8
1847.7
1940.3
2044.3
2158.3
2275.0
2415.7
2568.6
2729.6
2895.6
3056.1
3174.4
3193.1
3036.4
2644.7
1950.7
923.0
342.9
192.8
136.4
89.3
56.4
38.9
23.6
7.7
0.0

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