

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: P947312

Luminaire Tested: **GALN-SB2C-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947312
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-SB2C-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10729 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

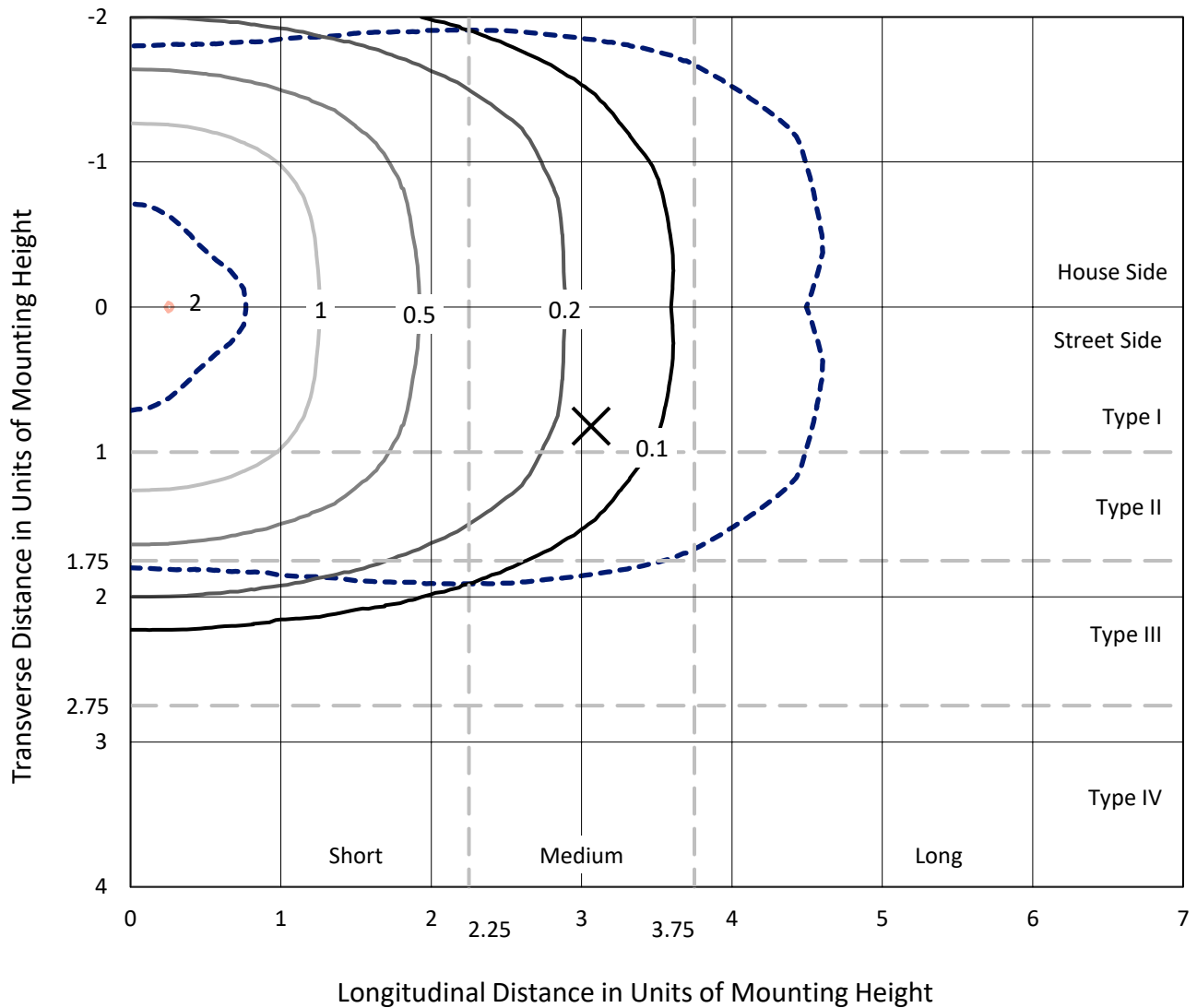
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

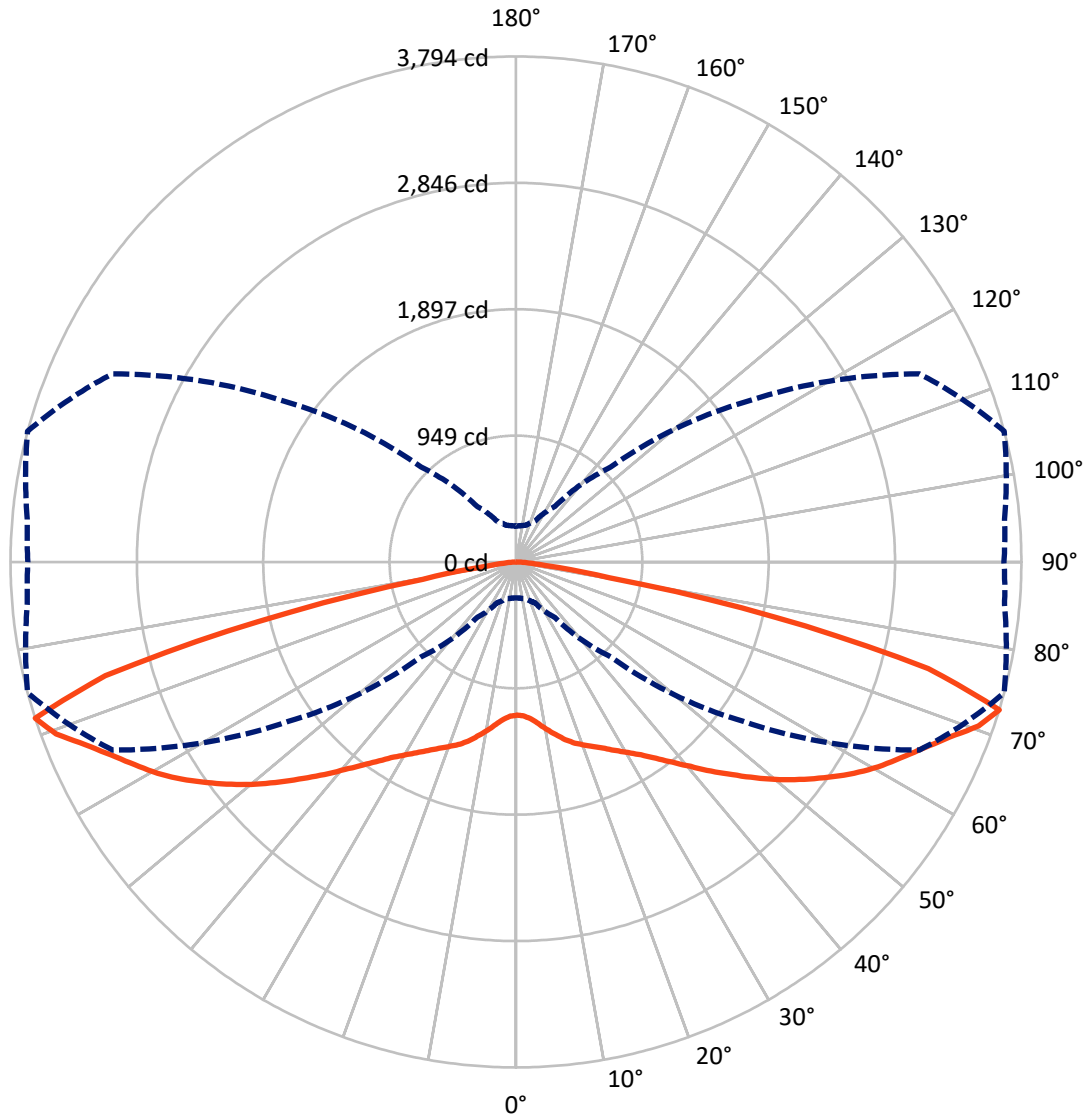
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5364.5	0.0	5364.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5364.5	0.0	5364.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10729.0	0.0	10729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	1.0
10°-20°	371.3	3.5
20°-30°	717.5	6.7
30°-40°	1211.5	11.3
40°-50°	1921.3	17.9
50°-60°	2572.4	24.0
60°-70°	2448.1	22.8
70°-80°	1277.5	11.9
80°-90°	96.7	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°	10729.0	100.0
0°-180°	10729.0	100.0

Coefficient of Utilization



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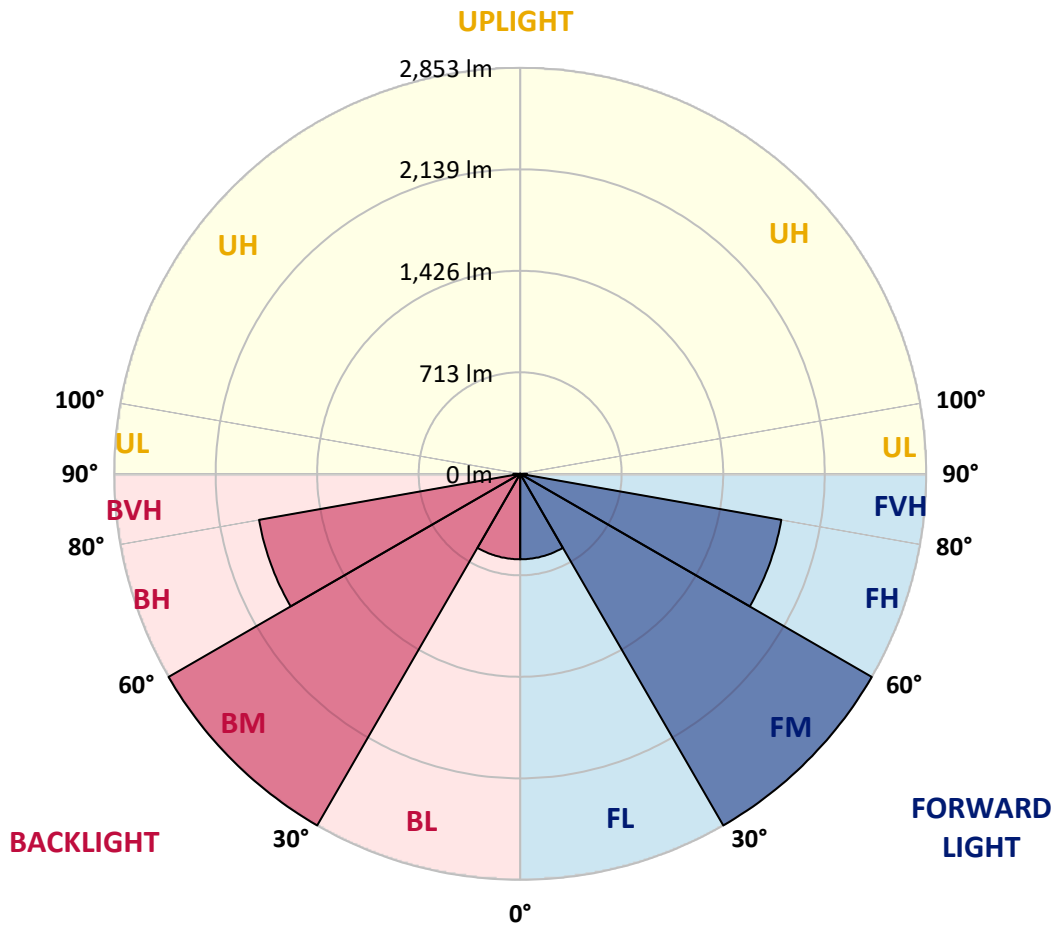
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	600.7	5.6			
FM (30°-60°)	2852.6	26.6			
FH (60°-80°)	1862.8	17.4			G2/5000
FVH (80°-90°)	48.3	0.5			G1/100
BL (0°-30°)	600.7	5.6	B2/1000		
BM (30°-60°)	2852.6	26.6	B3/5000		
BH (60°-80°)	1862.8	17.4	B3/2500		G3/2500
BVH (80°-90°)	48.3	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°	1149.3	1149.3	1149.3	1149.3	1149.3	1149.3	1149.3	1149.3	1149.3	1149.3
2.5°	1149.3	1148.2	1149.3	1150.4	1149.8	1149.8	1152.6	1154.2	1157.5	1156.9
5°	1141.6	1141.1	1145.4	1150.4	1154.2	1160.8	1169.0	1175.0	1182.7	1184.3
7.5°	1137.8	1136.1	1143.8	1152.6	1164.6	1181.0	1196.9	1213.4	1226.5	1230.9
10°	1140.5	1141.1	1151.5	1167.9	1187.1	1210.1	1232.5	1260.5	1279.1	1283.5
12.5°	1153.1	1152.0	1169.5	1195.8	1222.1	1251.2	1277.5	1308.1	1328.4	1338.8
15°	1176.1	1173.9	1198.6	1237.5	1275.8	1309.8	1331.1	1360.2	1383.7	1396.9
17.5°	1203.5	1204.6	1236.9	1287.3	1337.7	1376.1	1396.3	1411.1	1429.2	1440.7
20°	1251.7	1253.9	1290.1	1349.8	1407.3	1451.1	1467.5	1462.1	1467.0	1475.8
22.5°	1316.3	1317.4	1358.0	1422.6	1482.9	1531.1	1542.0	1519.6	1505.9	1511.9
25°	1391.4	1398.5	1439.1	1505.3	1567.2	1613.2	1618.2	1584.2	1550.3	1551.9
27.5°	1482.9	1489.4	1530.5	1596.3	1659.3	1699.3	1698.7	1653.2	1603.4	1590.8
30°	1582.0	1589.1	1631.3	1699.3	1757.9	1792.9	1785.3	1731.0	1659.8	1636.3
32.5°	1699.8	1704.2	1746.9	1814.8	1869.1	1897.0	1881.1	1814.3	1725.5	1698.7
35°	1842.2	1848.8	1880.6	1944.7	1992.3	2015.3	1988.5	1909.6	1809.9	1779.8
37.5°	2004.9	2000.5	2036.7	2093.7	2133.1	2147.3	2110.6	2017.0	1906.3	1870.7
40°	2174.7	2172.5	2212.0	2266.8	2288.1	2296.9	2242.7	2140.2	2017.5	1979.2
42.5°	2328.7	2327.0	2380.2	2441.0	2466.7	2456.8	2388.4	2271.1	2146.2	2102.4
45°	2451.9	2449.7	2514.9	2600.4	2650.8	2634.3	2542.3	2415.8	2276.6	2231.2
47.5°	2546.7	2547.8	2617.9	2723.6	2811.8	2817.8	2699.5	2563.1	2420.1	2368.7
50°	2615.2	2618.4	2693.5	2810.7	2931.2	2984.4	2860.0	2714.3	2568.6	2510.5
52.5°	2632.1	2638.2	2728.6	2866.0	3007.9	3109.3	3023.3	2859.5	2709.4	2654.1
55°	2541.8	2553.8	2668.3	2861.7	3055.0	3191.4	3166.8	3006.8	2851.3	2794.3
57.5°	2334.1	2351.1	2484.8	2737.3	3044.6	3247.9	3278.0	3148.2	2993.1	2938.4
60°	2043.3	2063.5	2191.7	2467.3	2897.8	3268.7	3356.3	3285.7	3123.5	3070.4
62.5°	1604.5	1630.8	1784.2	2107.4	2587.8	3171.7	3423.2	3410.0	3240.7	3174.5
65°	1029.3	1057.2	1218.8	1600.6	2174.2	2874.8	3444.0	3531.1	3364.5	3272.0
67.5°	620.6	633.2	713.2	970.1	1589.1	2427.3	3267.6	3665.3	3509.2	3394.1
70°	397.1	404.3	451.9	569.7	898.4	1771.0	2830.4	3690.5	3684.5	3519.6
72.5°	269.5	271.7	284.3	337.4	508.4	1006.3	2087.6	3341.0	3794.0	3681.2
75°	197.2	209.3	229.5	238.8	288.7	502.9	1196.4	2347.3	3197.5	3246.8
77.5°	146.8	147.4	175.3	186.2	206.0	267.9	506.2	1310.3	1985.2	2084.3
80°	124.3	117.8	117.2	150.1	155.0	167.1	226.2	452.5	711.0	431.1
82.5°	103.5	96.4	87.1	117.2	105.7	102.4	98.1	184.1	226.2	111.2
85°	72.3	69.0	65.7	76.7	60.3	51.5	47.1	86.0	95.3	47.1
87.5°	31.2	32.3	32.9	34.0	25.2	18.1	18.1	24.1	24.1	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1149.3
1156.4
1184.3
1232.0
1287.9
1343.2
1401.8
1446.2
1482.3
1516.3
1554.6
1594.6
1639.0
1705.3
1784.2
1877.3
1991.8
2113.4
2241.6
2384.0
2528.1
2668.3
2810.2
2951.0
3081.9
3182.1
3283.5
3402.9
3518.5
3663.6
3127.3
1859.2
325.9
94.8
41.6
13.7
0.0

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