

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: P947228

Luminaire Tested: **GALN-SB2C-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947228
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-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9388 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

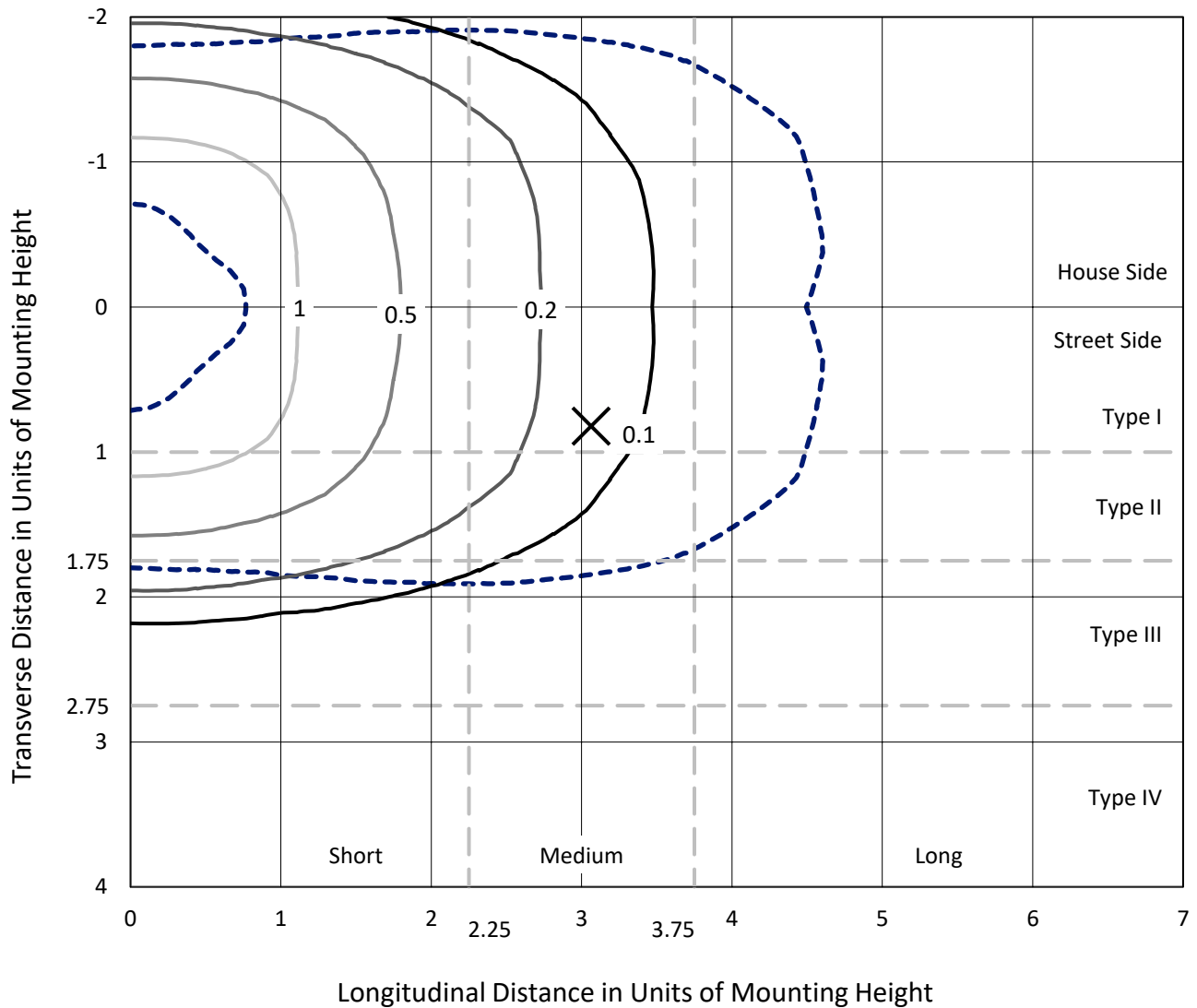
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

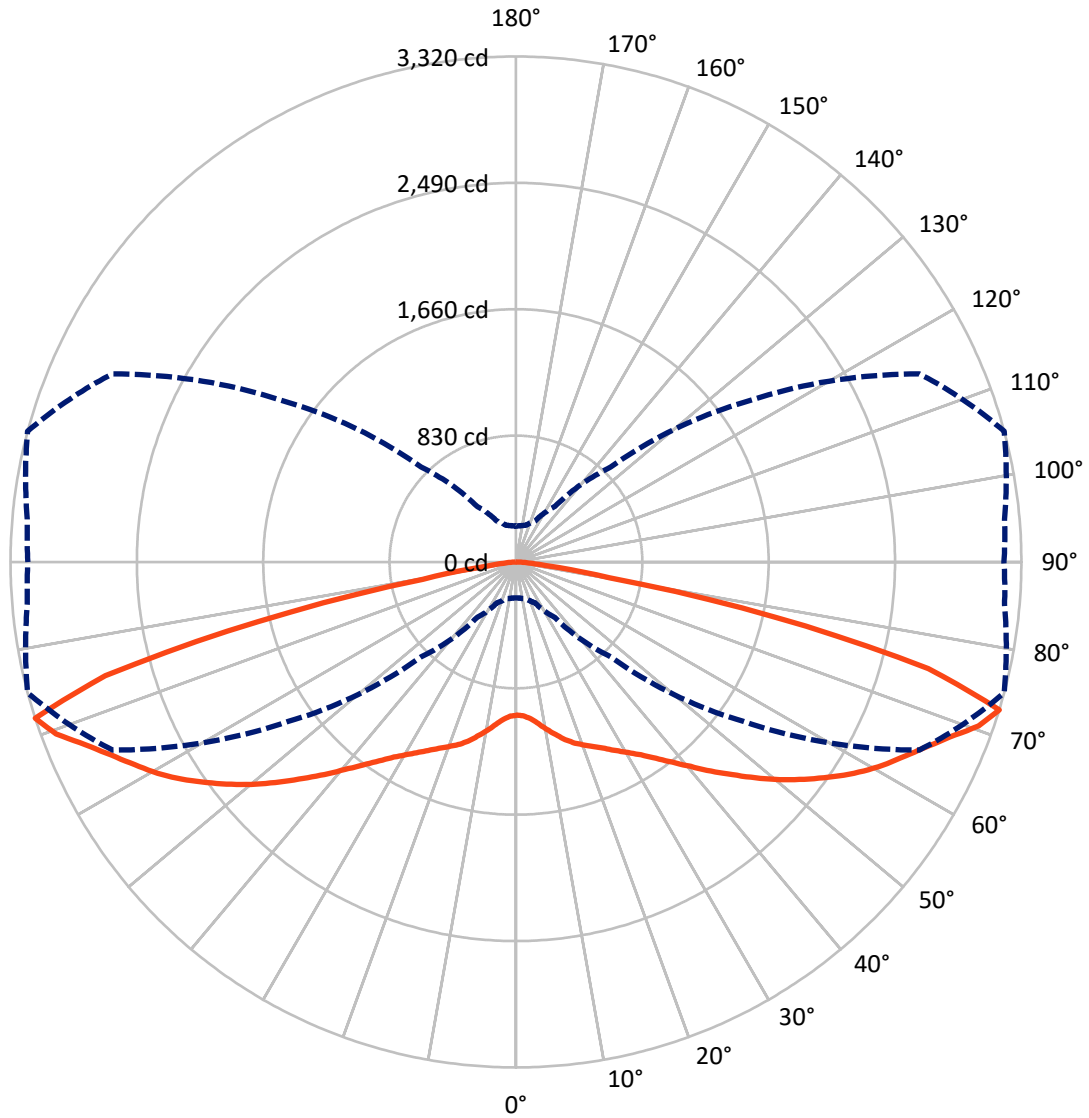
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	4694.0	0.0	4694.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4694.0	0.0	4694.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9388.0	0.0	9388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	1.0
10°-20°	324.9	3.5
20°-30°	627.8	6.7
30°-40°	1060.1	11.3
40°-50°	1681.2	17.9
50°-60°	2250.9	24.0
60°-70°	2142.2	22.8
70°-80°	1117.8	11.9
80°-90°	84.6	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°	9388.0	100.0
0°-180°	9388.0	100.0

Coefficient of Utilization



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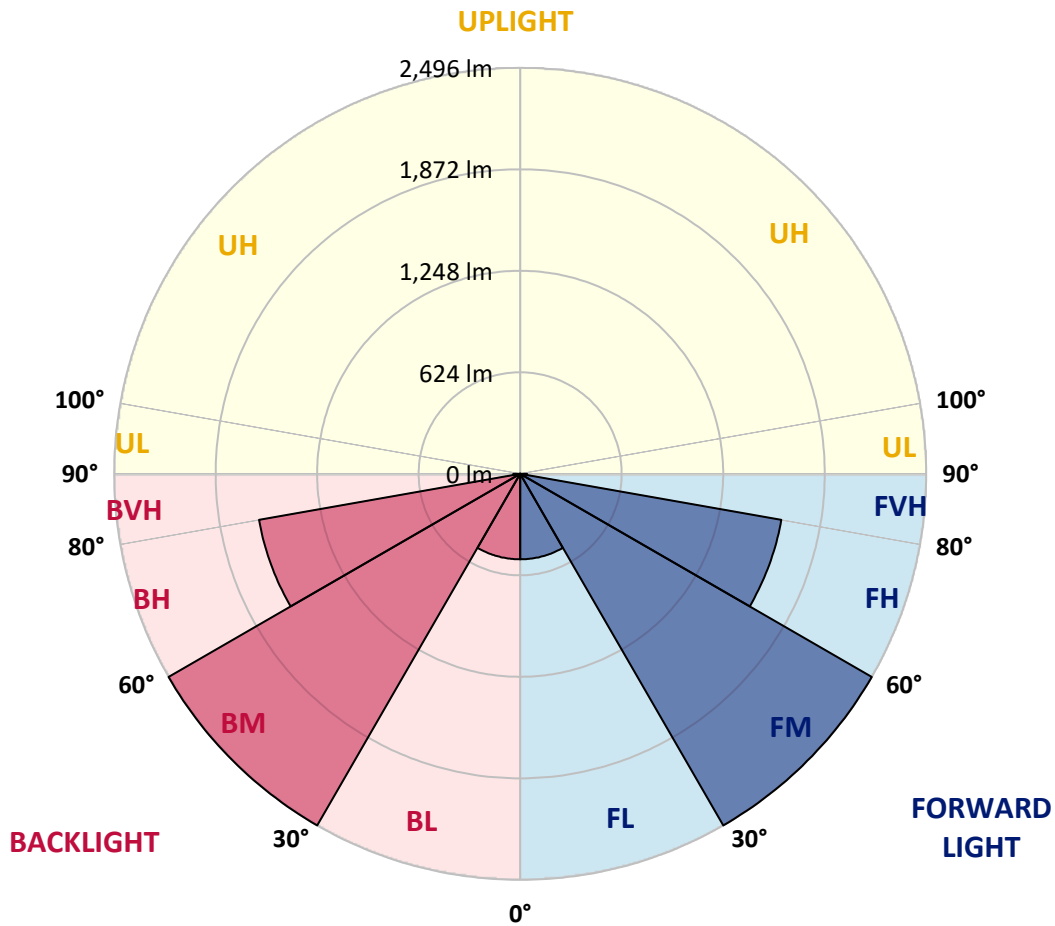
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.6	5.6			
FM (30°-60°)	2496.1	26.6			
FH (60°-80°)	1630.0	17.4			G1/1800
FVH (80°-90°)	42.3	0.5			G1/100
BL (0°-30°)	525.6	5.6	B2/1000		
BM (30°-60°)	2496.1	26.6	B2/2500		
BH (60°-80°)	1630.0	17.4	B3/2500		G3/2500
BVH (80°-90°)	42.3	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°	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6	1005.6
2.5°	1005.6	1004.7	1005.6	1006.6	1006.1	1006.1	1008.5	1009.9	1012.8	1012.3
5°	998.9	998.4	1002.3	1006.6	1009.9	1015.7	1022.9	1028.2	1034.9	1036.3
7.5°	995.6	994.1	1000.8	1008.5	1019.0	1033.4	1047.3	1061.7	1073.2	1077.0
10°	998.0	998.4	1007.5	1021.9	1038.7	1058.8	1078.5	1102.9	1119.2	1123.1
12.5°	1009.0	1008.0	1023.4	1046.4	1069.4	1094.8	1117.8	1144.6	1162.4	1171.5
15°	1029.1	1027.2	1048.8	1082.8	1116.3	1146.1	1164.8	1190.2	1210.8	1222.3
17.5°	1053.1	1054.0	1082.3	1126.4	1170.5	1204.1	1221.8	1234.7	1250.6	1260.6
20°	1095.3	1097.2	1128.8	1181.1	1231.4	1269.7	1284.1	1279.3	1283.6	1291.3
22.5°	1151.8	1152.8	1188.2	1244.8	1297.5	1339.7	1349.3	1329.6	1317.7	1322.9
25°	1217.5	1223.7	1259.2	1317.2	1371.3	1411.6	1415.9	1386.2	1356.5	1357.9
27.5°	1297.5	1303.3	1339.2	1396.8	1451.9	1486.9	1486.4	1446.6	1403.0	1392.0
30°	1384.3	1390.5	1427.4	1486.9	1538.2	1568.8	1562.1	1514.7	1452.4	1431.7
32.5°	1487.3	1491.2	1528.6	1588.0	1635.5	1659.9	1646.0	1587.5	1509.9	1486.4
35°	1612.0	1617.7	1645.5	1701.6	1743.3	1763.4	1739.9	1670.9	1583.7	1557.3
37.5°	1754.3	1750.5	1782.1	1832.0	1866.5	1879.0	1846.8	1764.9	1668.0	1636.9
40°	1902.9	1901.0	1935.5	1983.4	2002.1	2009.8	1962.4	1872.7	1765.4	1731.8
42.5°	2037.6	2036.2	2082.7	2135.9	2158.4	2149.8	2089.9	1987.3	1878.0	1839.6
45°	2145.5	2143.5	2200.6	2275.4	2319.5	2305.1	2224.5	2113.8	1992.1	1952.3
47.5°	2228.4	2229.3	2290.7	2383.2	2460.4	2465.6	2362.1	2242.8	2117.7	2072.6
50°	2288.3	2291.2	2356.8	2459.4	2564.9	2611.4	2502.6	2375.1	2247.6	2196.7
52.5°	2303.2	2308.4	2387.5	2507.8	2632.0	2720.6	2645.4	2502.1	2370.7	2322.3
55°	2224.1	2234.6	2334.8	2504.0	2673.2	2792.5	2771.0	2631.0	2494.9	2445.0
57.5°	2042.4	2057.3	2174.2	2395.2	2664.1	2841.9	2868.3	2754.7	2619.0	2571.1
60°	1787.9	1805.6	1917.8	2158.9	2535.6	2860.1	2936.8	2875.0	2733.1	2686.6
62.5°	1403.9	1426.9	1561.2	1844.0	2264.3	2775.3	2995.3	2983.8	2835.7	2777.7
65°	900.7	925.1	1066.5	1400.6	1902.4	2515.5	3013.5	3089.7	2944.0	2863.0
67.5°	543.1	554.1	624.1	848.9	1390.5	2123.9	2859.2	3207.2	3070.6	2969.9
70°	347.5	353.7	395.4	498.5	786.1	1549.7	2476.7	3229.2	3223.9	3079.7
72.5°	235.8	237.7	248.8	295.3	444.8	880.5	1826.7	2923.4	3319.8	3221.1
75°	172.6	183.1	200.8	209.0	252.6	440.0	1046.8	2053.9	2797.8	2841.0
77.5°	128.5	128.9	153.4	163.0	180.2	234.4	442.9	1146.5	1737.1	1823.8
80°	108.8	103.1	102.6	131.3	135.6	146.2	198.0	395.9	622.2	377.2
82.5°	90.6	84.4	76.2	102.6	92.5	89.6	85.8	161.1	198.0	97.3
85°	63.3	60.4	57.5	67.1	52.7	45.1	41.2	75.3	83.4	41.2
87.5°	27.3	28.3	28.8	29.7	22.0	15.8	15.8	21.1	21.1	16.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1005.6
1011.9
1036.3
1078.0
1126.9
1175.3
1226.6
1265.4
1297.1
1326.8
1360.3
1395.3
1434.1
1492.1
1561.2
1642.6
1742.8
1849.2
1961.4
2086.0
2212.1
2334.8
2458.9
2582.1
2696.7
2784.4
2873.1
2977.6
3078.7
3205.7
2736.5
1626.8
285.2
82.9
36.4
12.0
0.0

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