

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: P947585

Luminaire Tested: **GALN-SB2D-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947585
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-SB2D-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12756 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

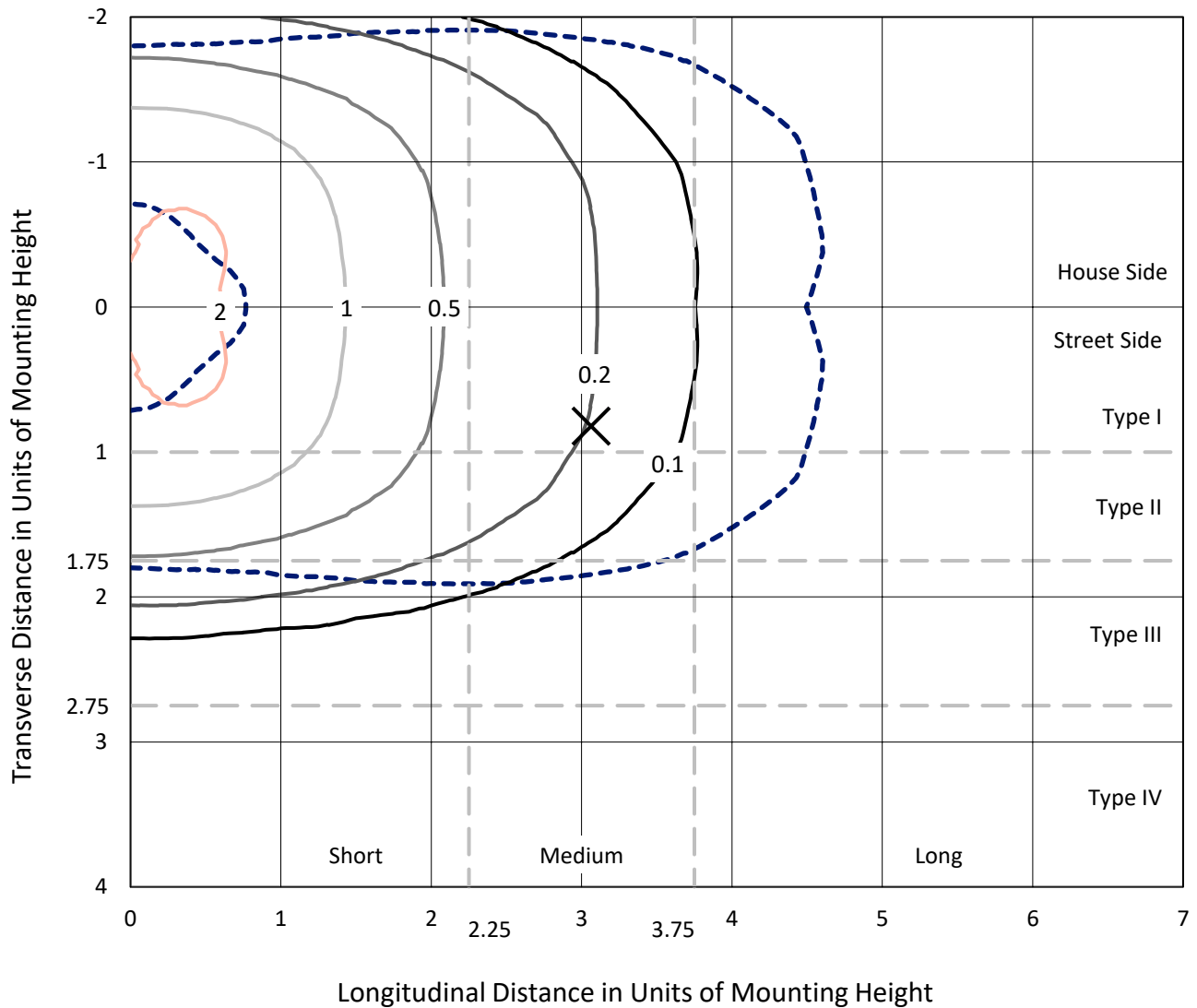
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947585
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Iso-Footcandle Lines of Horizontal Illumination

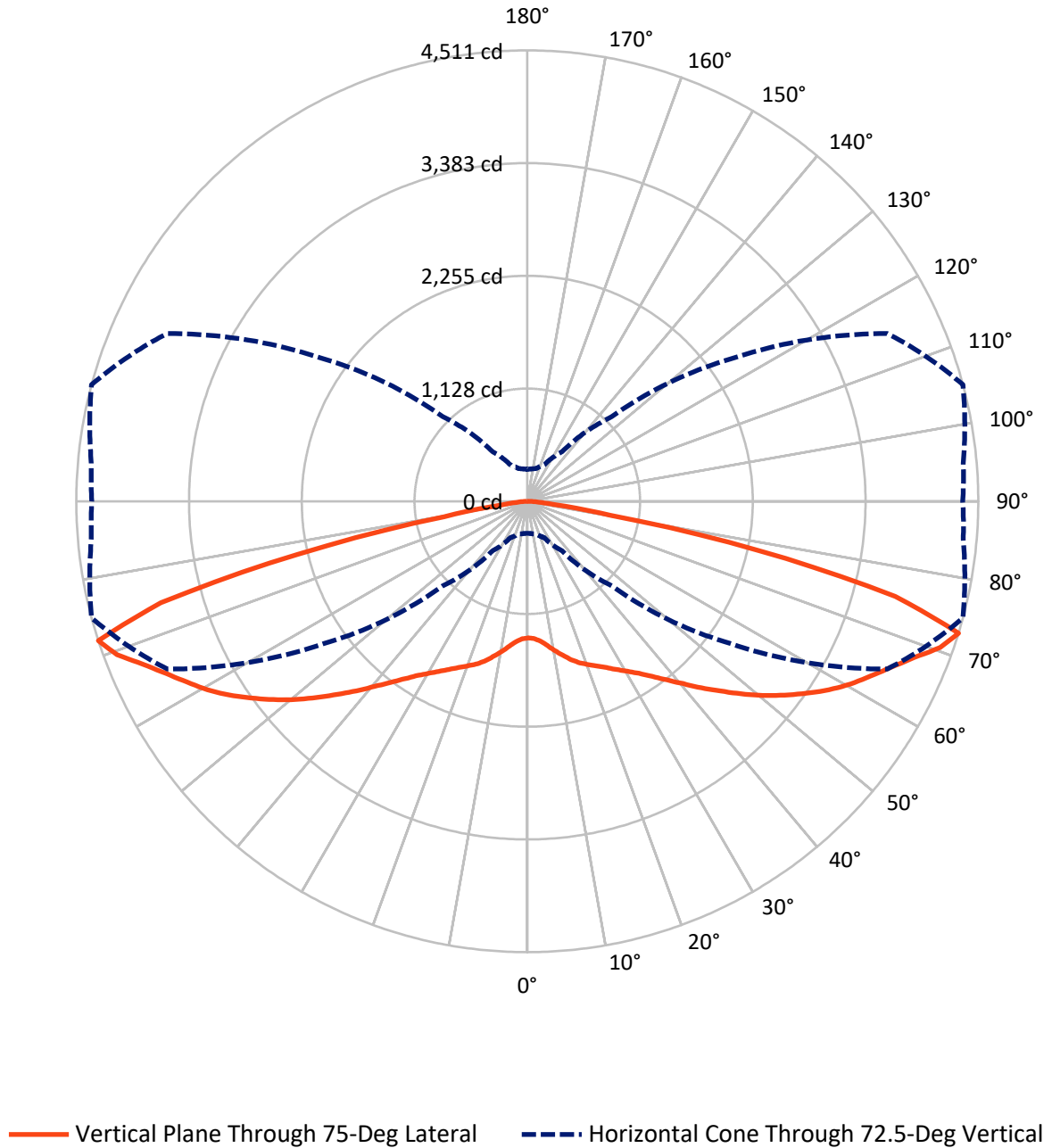
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P947585
CATALOG NUMBER: GALN-SB2D-927-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6378.0	0.0	6378.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6378.0	0.0	6378.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12756.0	0.0	12756.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	1.0
10°-20°	441.5	3.5
20°-30°	853.0	6.7
30°-40°	1440.4	11.3
40°-50°	2284.3	17.9
50°-60°	3058.4	24.0
60°-70°	2910.7	22.8
70°-80°	1518.8	11.9
80°-90°	115.0	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°	12756.0	100.0
0°-180°	12756.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947585

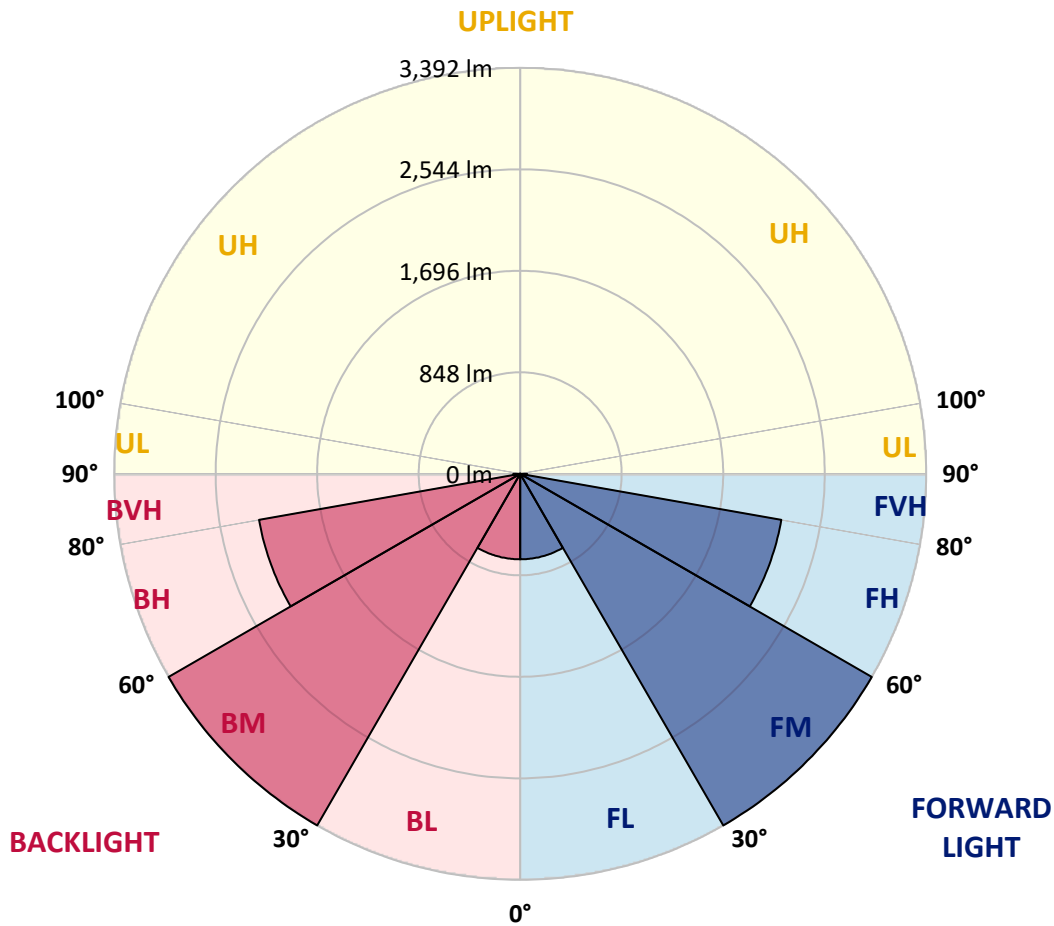
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	714.2	5.6			
FM (30°-60°)	3391.6	26.6			
FH (60°-80°)	2214.7	17.4			G2/5000
FVH (80°-90°)	57.5	0.5			G1/100
BL (0°-30°)	714.2	5.6	B2/1000		
BM (30°-60°)	3391.6	26.6	B3/5000		
BH (60°-80°)	2214.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	57.5	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°	1366.4	1366.4	1366.4	1366.4	1366.4	1366.4	1366.4	1366.4	1366.4	1366.4
2.5°	1366.4	1365.1	1366.4	1367.7	1367.0	1367.0	1370.3	1372.3	1376.2	1375.5
5°	1357.3	1356.6	1361.8	1367.7	1372.3	1380.1	1389.8	1397.0	1406.1	1408.1
7.5°	1352.7	1350.8	1359.9	1370.3	1384.6	1404.2	1423.1	1442.6	1458.2	1463.4
10°	1356.0	1356.6	1369.0	1388.5	1411.3	1438.7	1465.4	1498.6	1520.8	1526.0
12.5°	1371.0	1369.7	1390.5	1421.8	1453.0	1487.5	1518.8	1555.3	1579.4	1591.7
15°	1398.3	1395.7	1425.0	1471.3	1516.8	1557.2	1582.6	1617.1	1645.1	1660.8
17.5°	1430.9	1432.2	1470.6	1530.5	1590.4	1636.0	1660.1	1677.7	1699.2	1712.9
20°	1488.2	1490.8	1533.8	1604.8	1673.2	1725.3	1744.8	1738.3	1744.1	1754.6
22.5°	1565.0	1566.3	1614.5	1691.4	1763.0	1820.3	1833.4	1806.7	1790.4	1797.5
25°	1654.3	1662.7	1710.9	1789.7	1863.3	1918.0	1923.9	1883.5	1843.1	1845.1
27.5°	1763.0	1770.8	1819.7	1897.8	1972.7	2020.3	2019.6	1965.6	1906.3	1891.3
30°	1880.9	1889.4	1939.5	2020.3	2090.0	2131.7	2122.5	2058.1	1973.4	1945.4
32.5°	2020.9	2026.1	2076.9	2157.7	2222.2	2255.4	2236.5	2157.1	2051.5	2019.6
35°	2190.3	2198.1	2235.9	2312.1	2368.7	2396.1	2364.2	2270.4	2151.8	2116.0
37.5°	2383.7	2378.5	2421.5	2489.2	2536.1	2553.0	2509.4	2398.0	2266.5	2224.1
40°	2585.6	2583.0	2629.9	2695.0	2720.4	2730.8	2666.4	2544.6	2398.7	2353.1
42.5°	2768.6	2766.7	2829.8	2902.1	2932.7	2921.0	2839.6	2700.2	2551.7	2499.6
45°	2915.2	2912.5	2990.0	3091.6	3151.6	3132.0	3022.6	2872.2	2706.7	2652.7
47.5°	3027.8	3029.1	3112.5	3238.2	3343.0	3350.2	3209.5	3047.4	2877.4	2816.2
50°	3109.2	3113.1	3202.4	3341.7	3485.0	3548.2	3400.4	3227.1	3053.9	2984.8
52.5°	3129.4	3136.6	3244.1	3407.5	3576.2	3696.7	3594.4	3399.7	3221.3	3155.5
55°	3022.0	3036.3	3172.4	3402.3	3632.2	3794.4	3765.1	3574.9	3389.9	3322.2
57.5°	2775.1	2795.3	2954.2	3254.5	3619.8	3861.5	3897.3	3742.9	3558.6	3493.5
60°	2429.3	2453.4	2605.8	2933.4	3445.3	3886.2	3990.4	3906.4	3713.6	3650.5
62.5°	1907.6	1938.9	2121.2	2505.5	3076.7	3770.9	4069.9	4054.2	3853.0	3774.2
65°	1223.8	1257.0	1449.1	1903.1	2585.0	3417.9	4094.6	4198.2	4000.2	3890.1
67.5°	737.9	752.9	848.0	1153.4	1889.4	2885.8	3884.9	4357.7	4172.1	4035.4
70°	472.2	480.6	537.3	677.3	1068.1	2105.6	3365.2	4387.7	4380.5	4184.5
72.5°	320.4	323.0	338.0	401.2	604.4	1196.4	2482.0	3972.2	4510.8	4376.6
75°	234.5	248.8	272.9	284.0	343.2	597.9	1422.4	2790.8	3801.6	3860.2
77.5°	174.5	175.2	208.4	221.4	244.9	318.5	601.8	1557.9	2360.3	2478.1
80°	147.8	140.0	139.4	178.5	184.3	198.6	269.0	538.0	845.4	512.6
82.5°	123.1	114.6	103.6	139.4	125.7	121.8	116.6	218.8	269.0	132.2
85°	86.0	82.1	78.2	91.2	71.6	61.2	56.0	102.3	113.3	56.0
87.5°	37.1	38.4	39.1	40.4	30.0	21.5	21.5	28.7	28.7	22.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1366.4
1374.9
1408.1
1464.7
1531.2
1597.0
1666.6
1719.4
1762.4
1802.8
1848.3
1895.9
1948.6
2027.5
2121.2
2232.0
2368.1
2512.7
2665.1
2834.4
3005.7
3172.4
3341.1
3508.5
3664.1
3783.3
3903.8
4045.8
4183.2
4355.8
3718.2
2210.5
387.5
112.7
49.5
16.3
0.0

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