

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: P947942

Luminaire Tested: **GALN-SB3A-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947942
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-SB3A-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8436 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

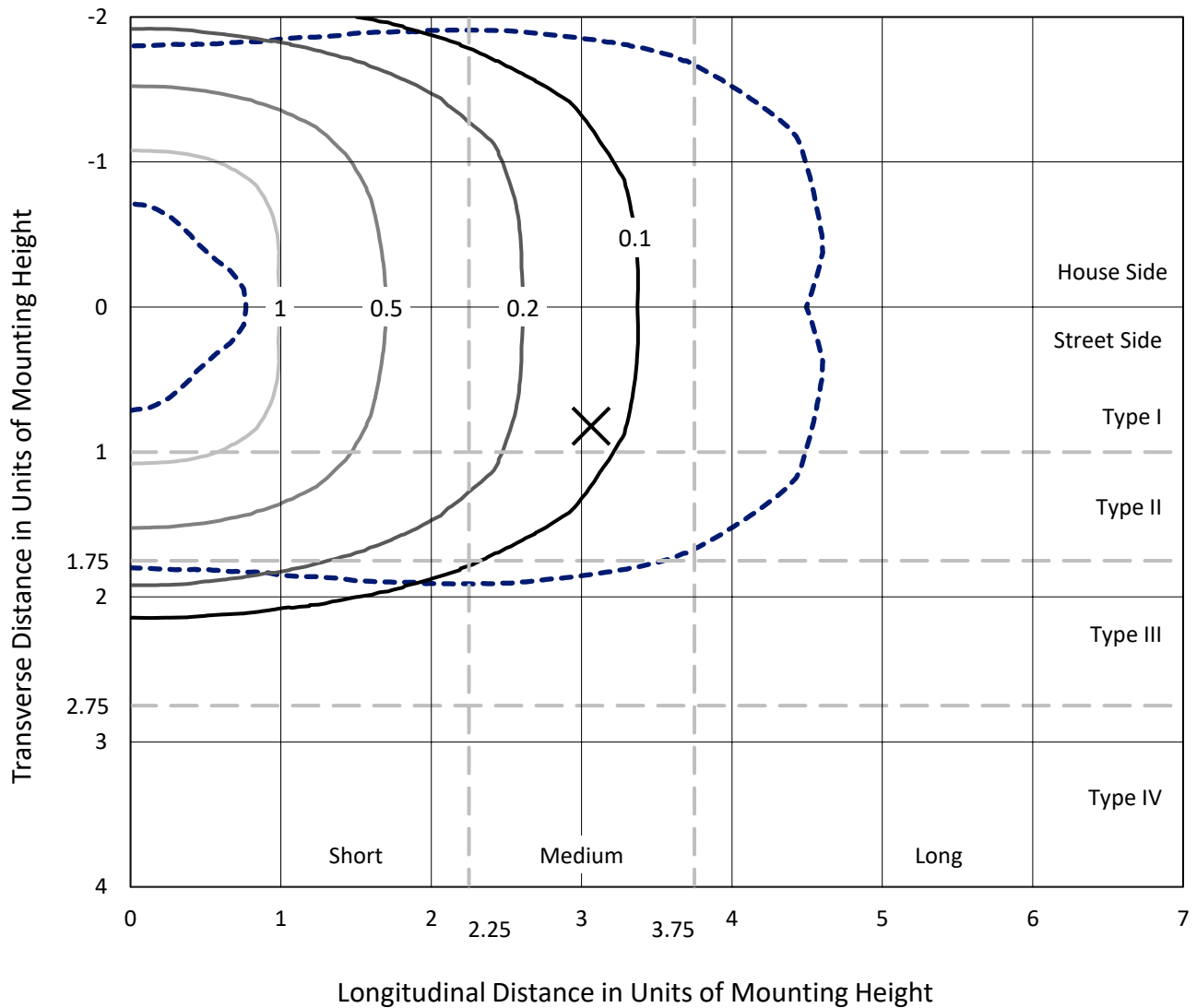
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

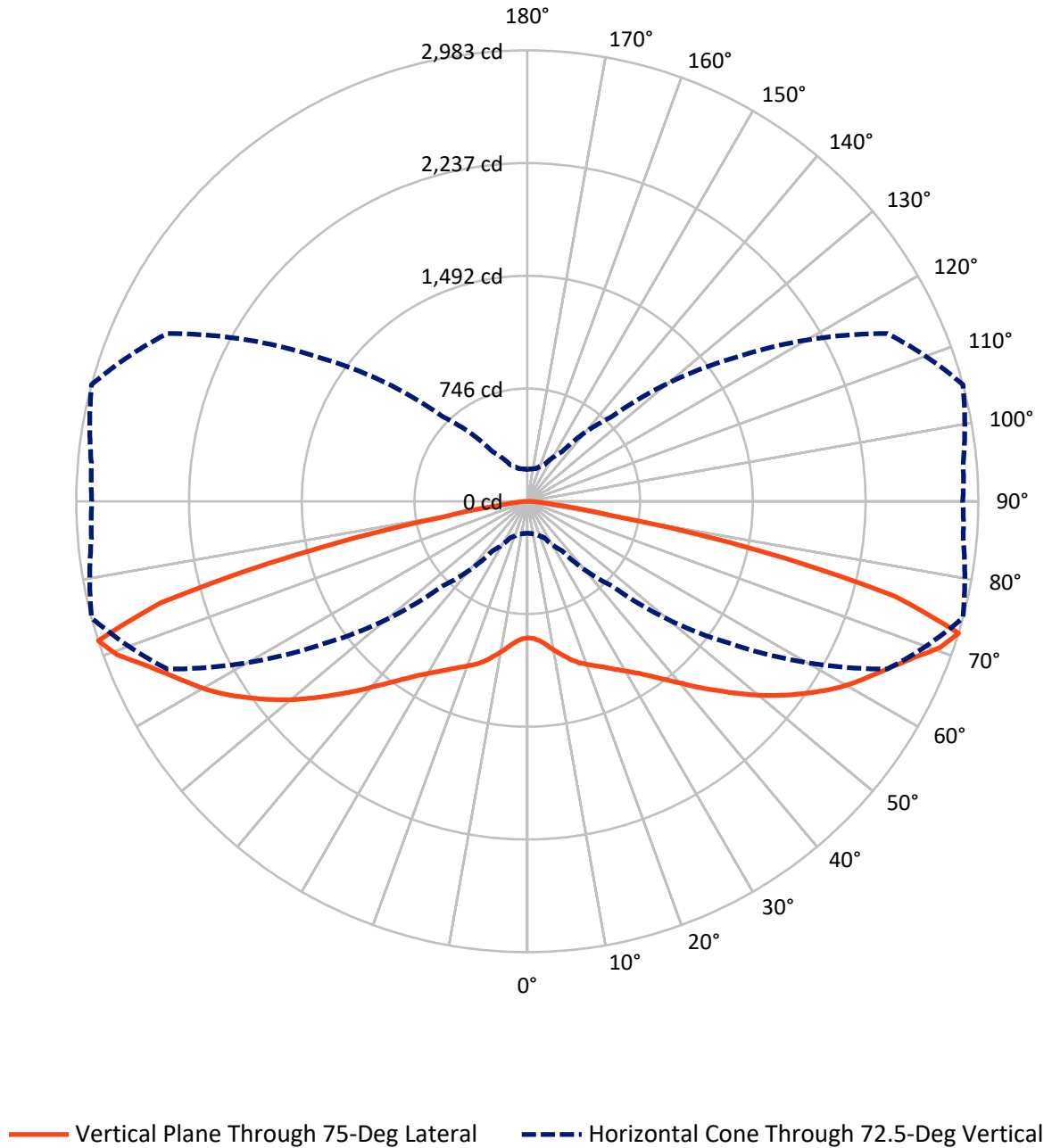
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4218.0	0.0	4218.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4218.0	0.0	4218.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8436.0	0.0	8436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	1.0
10°-20°	292.0	3.5
20°-30°	564.1	6.7
30°-40°	952.6	11.3
40°-50°	1510.7	17.9
50°-60°	2022.7	24.0
60°-70°	1924.9	22.8
70°-80°	1004.5	11.9
80°-90°	76.0	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°	8436.0	100.0
0°-180°	8436.0	100.0

Coefficient of Utilization



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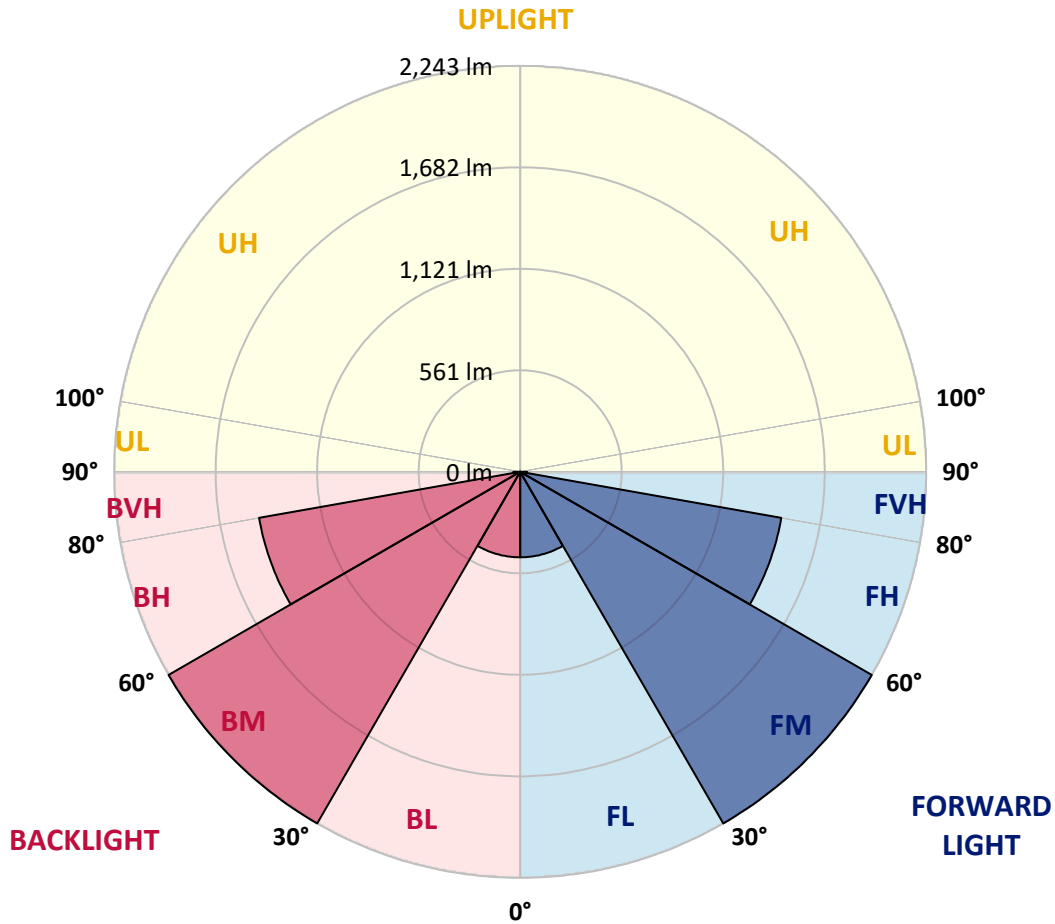
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	472.3	5.6			
FM (30°-60°)	2243.0	26.6			
FH (60°-80°)	1464.7	17.4			G1/1800
FVH (80°-90°)	38.0	0.5			G1/100
BL (0°-30°)	472.3	5.6	B1/500		
BM (30°-60°)	2243.0	26.6	B2/2500		
BH (60°-80°)	1464.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	38.0	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°	903.6	903.6	903.6	903.6	903.6	903.6	903.6	903.6	903.6	903.6
2.5°	903.6	902.8	903.6	904.5	904.1	904.1	906.2	907.5	910.1	909.7
5°	897.6	897.2	900.6	904.5	907.5	912.7	919.2	923.9	929.9	931.2
7.5°	894.6	893.3	899.3	906.2	915.7	928.6	941.1	954.0	964.4	967.8
10°	896.8	897.2	905.4	918.3	933.4	951.5	969.1	991.1	1005.7	1009.2
12.5°	906.7	905.8	919.6	940.3	960.9	983.8	1004.4	1028.6	1044.5	1052.7
15°	924.8	923.0	942.4	973.0	1003.1	1029.8	1046.6	1069.5	1088.0	1098.3
17.5°	946.3	947.1	972.6	1012.2	1051.8	1082.0	1097.9	1109.5	1123.7	1132.8
20°	984.2	985.9	1014.3	1061.3	1106.5	1141.0	1153.9	1149.6	1153.5	1160.4
22.5°	1035.0	1035.9	1067.8	1118.6	1166.0	1203.9	1212.5	1194.8	1184.0	1188.8
25°	1094.0	1099.6	1131.5	1183.6	1232.3	1268.5	1272.3	1245.6	1218.9	1220.2
27.5°	1166.0	1171.1	1203.4	1255.1	1304.6	1336.1	1335.7	1299.9	1260.7	1250.8
30°	1243.9	1249.5	1282.7	1336.1	1382.2	1409.7	1403.7	1361.1	1305.1	1286.6
32.5°	1336.5	1340.0	1373.6	1427.0	1469.6	1491.6	1479.1	1426.5	1356.8	1335.7
35°	1448.5	1453.7	1478.7	1529.0	1566.5	1584.6	1563.5	1501.5	1423.1	1399.4
37.5°	1576.4	1573.0	1601.4	1646.2	1677.2	1688.4	1659.6	1585.9	1498.9	1470.9
40°	1710.0	1708.2	1739.2	1782.3	1799.1	1806.0	1763.4	1682.8	1586.3	1556.2
42.5°	1831.0	1829.7	1871.5	1919.3	1939.5	1931.8	1877.9	1785.8	1687.6	1653.1
45°	1927.9	1926.2	1977.4	2044.6	2084.2	2071.3	1999.0	1899.5	1790.1	1754.3
47.5°	2002.4	2003.3	2058.4	2141.5	2210.9	2215.6	2122.6	2015.3	1902.9	1862.4
50°	2056.2	2058.8	2117.8	2210.0	2304.8	2346.6	2248.8	2134.2	2019.6	1974.0
52.5°	2069.6	2074.3	2145.4	2253.5	2365.1	2444.8	2377.1	2248.3	2130.3	2086.8
55°	1998.5	2008.0	2098.0	2250.1	2402.1	2509.4	2490.0	2364.2	2241.9	2197.1
57.5°	1835.3	1848.6	1953.7	2152.3	2393.9	2553.7	2577.4	2475.3	2353.4	2310.4
60°	1606.6	1622.5	1723.3	1940.0	2278.5	2570.1	2639.0	2583.4	2456.0	2414.2
62.5°	1261.6	1282.2	1402.8	1657.0	2034.7	2493.9	2691.6	2681.2	2548.1	2496.0
65°	809.3	831.3	958.3	1258.6	1709.5	2260.4	2707.9	2776.4	2645.5	2572.7
67.5°	488.0	497.9	560.8	762.8	1249.5	1908.5	2569.2	2881.9	2759.2	2668.7
70°	312.3	317.9	355.3	447.9	706.4	1392.5	2225.5	2901.7	2897.0	2767.4
72.5°	211.9	213.6	223.5	265.3	399.7	791.2	1641.5	2626.9	2983.2	2894.4
75°	155.1	164.5	180.5	187.8	227.0	395.4	940.7	1845.6	2514.1	2552.9
77.5°	115.4	115.9	137.8	146.4	162.0	210.6	398.0	1030.3	1560.9	1638.9
80°	97.8	92.6	92.2	118.0	121.9	131.4	177.9	355.8	559.1	339.0
82.5°	81.4	75.8	68.5	92.2	83.1	80.5	77.1	144.7	177.9	87.4
85°	56.9	54.3	51.7	60.3	47.4	40.5	37.0	67.6	74.9	37.0
87.5°	24.6	25.4	25.8	26.7	19.8	14.2	14.2	19.0	19.0	14.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
903.6
909.2
931.2
968.7
1012.6
1056.1
1102.2
1137.1
1165.5
1192.2
1222.4
1253.8
1288.7
1340.8
1402.8
1476.1
1566.1
1661.7
1762.5
1874.5
1987.8
2098.0
2209.6
2320.3
2423.2
2502.0
2581.7
2675.6
2766.5
2880.6
2459.0
1461.9
256.3
74.5
32.7
10.8
0.0

OF REPORT)