

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: P948299

Luminaire Tested: **GALN-SB3B-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948299
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-SB3B-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10590 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

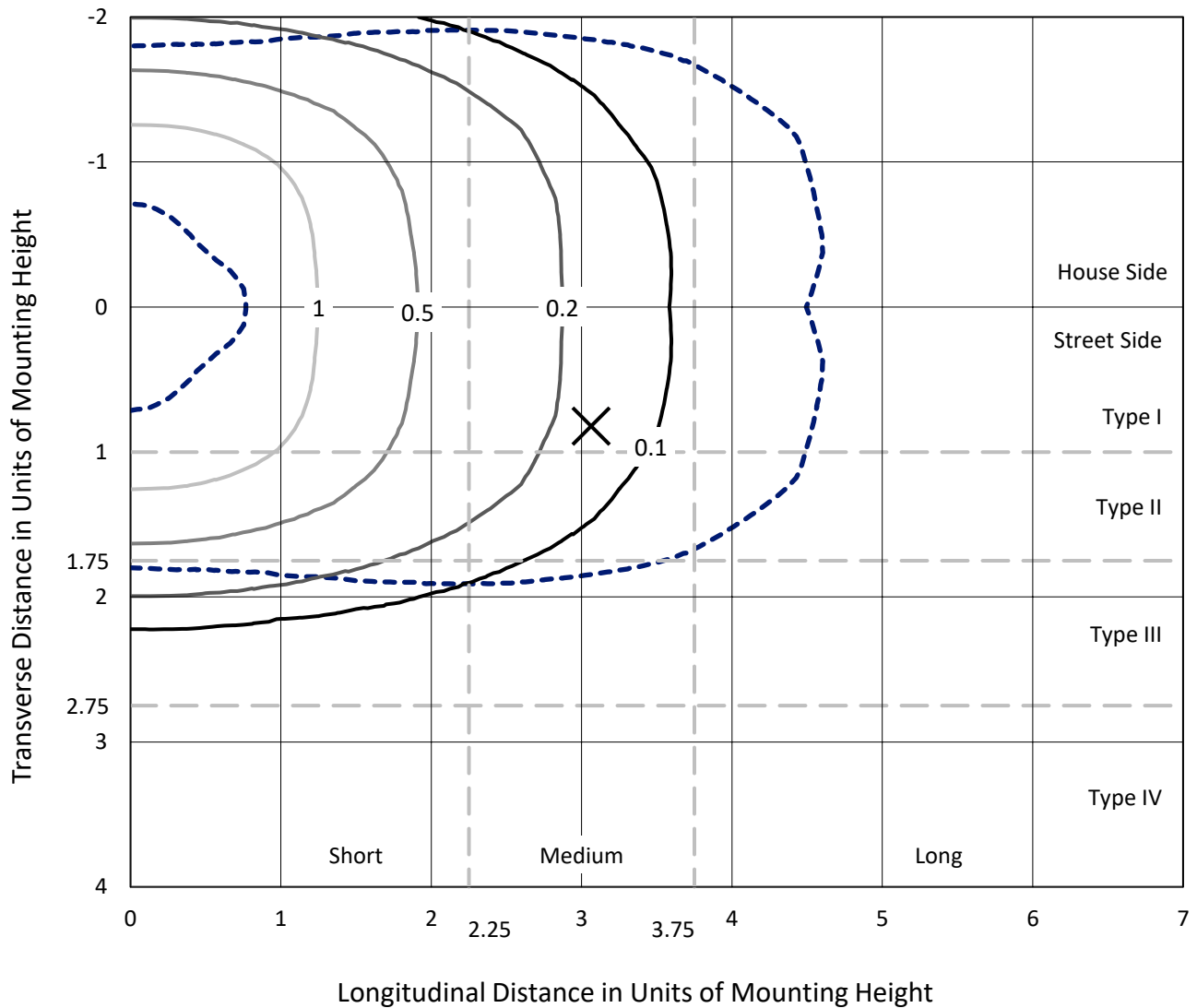
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

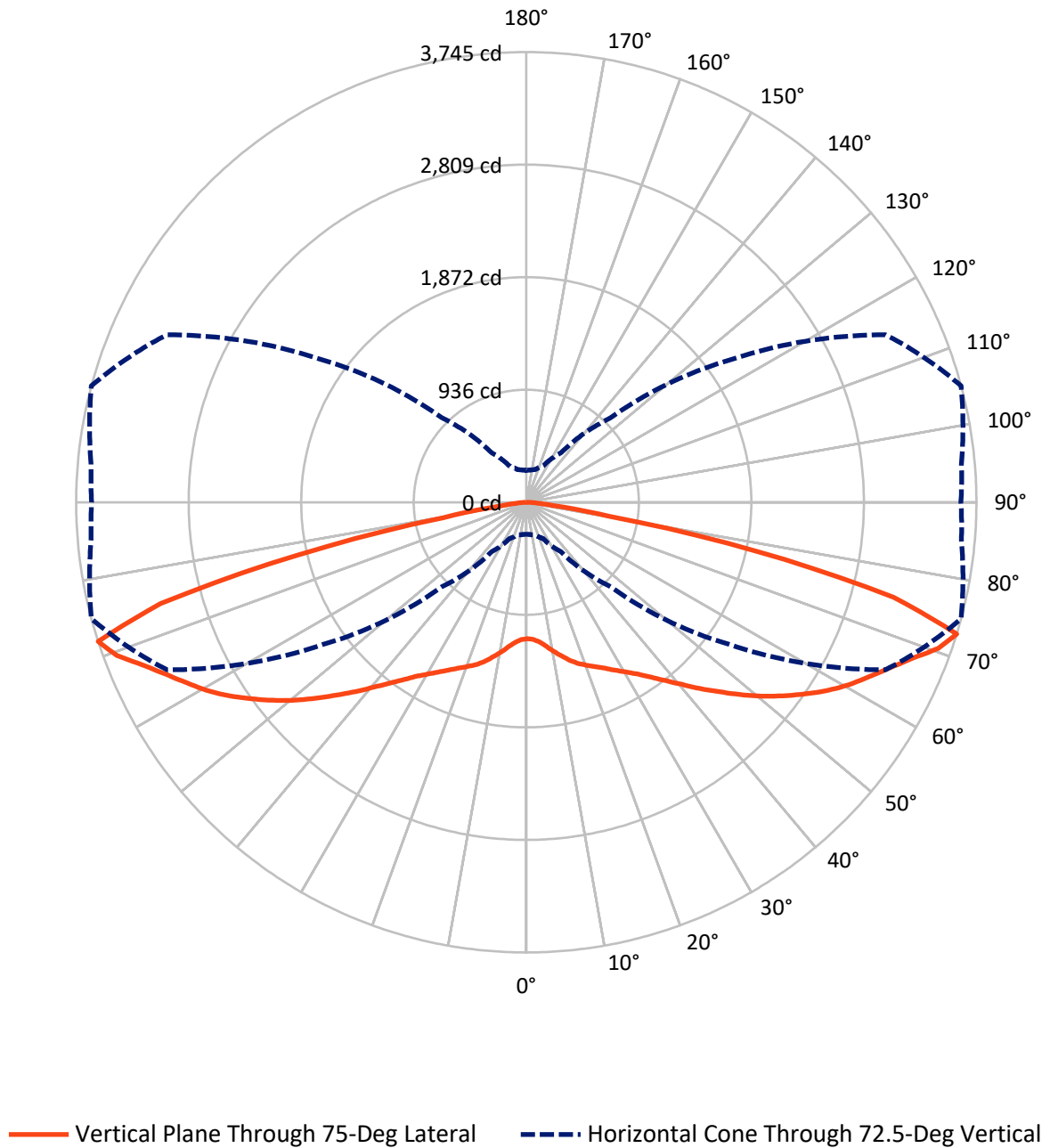
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5295.0	0.0	5295.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5295.0	0.0	5295.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10590.0	0.0	10590.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	1.0
10°-20°	366.5	3.5
20°-30°	708.2	6.7
30°-40°	1195.8	11.3
40°-50°	1896.4	17.9
50°-60°	2539.1	24.0
60°-70°	2416.4	22.8
70°-80°	1260.9	11.9
80°-90°	95.4	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°	10590.0	100.0
0°-180°	10590.0	100.0

Coefficient of Utilization



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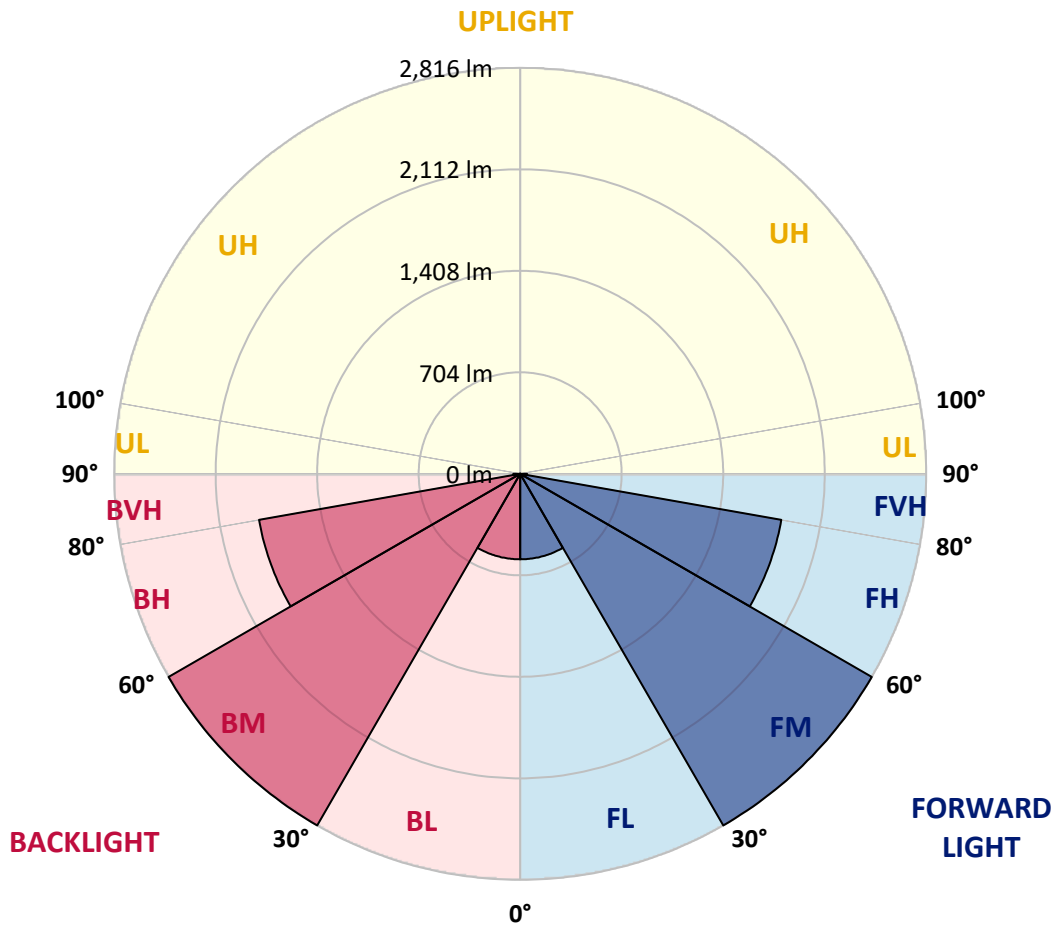
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	592.9	5.6			
FM (30°-60°)	2815.7	26.6			
FH (60°-80°)	1838.7	17.4			G2/5000
FVH (80°-90°)	47.7	0.5			G1/100
BL (0°-30°)	592.9	5.6	B2/1000		
BM (30°-60°)	2815.7	26.6	B3/5000		
BH (60°-80°)	1838.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	47.7	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°	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4
2.5°	1134.4	1133.3	1134.4	1135.5	1134.9	1134.9	1137.6	1139.2	1142.5	1141.9
5°	1126.8	1126.3	1130.6	1135.5	1139.2	1145.7	1153.8	1159.8	1167.4	1169.0
7.5°	1123.0	1121.4	1129.0	1137.6	1149.5	1165.7	1181.4	1197.6	1210.6	1214.9
10°	1125.7	1126.3	1136.5	1152.8	1171.7	1194.4	1216.6	1244.1	1262.5	1266.8
12.5°	1138.2	1137.1	1154.4	1180.3	1206.3	1234.9	1260.9	1291.2	1311.2	1321.5
15°	1160.9	1158.7	1183.0	1221.4	1259.3	1292.8	1313.9	1342.5	1365.8	1378.8
17.5°	1187.9	1189.0	1220.9	1270.6	1320.4	1358.2	1378.2	1392.8	1410.7	1422.0
20°	1235.5	1237.7	1273.3	1332.3	1389.0	1432.3	1448.5	1443.1	1448.0	1456.6
22.5°	1299.3	1300.4	1340.4	1404.2	1463.7	1511.2	1522.1	1499.9	1486.4	1492.3
25°	1373.4	1380.4	1420.4	1485.8	1546.9	1592.3	1597.2	1563.7	1530.2	1531.8
27.5°	1463.7	1470.2	1510.7	1575.6	1637.8	1677.2	1676.7	1631.8	1582.6	1570.2
30°	1561.5	1568.6	1610.2	1677.2	1735.1	1769.7	1762.1	1708.6	1638.3	1615.1
32.5°	1677.8	1682.1	1724.3	1791.3	1844.9	1872.4	1856.7	1790.8	1703.2	1676.7
35°	1818.4	1824.8	1856.2	1919.5	1966.5	1989.2	1962.7	1884.9	1786.5	1756.7
37.5°	1978.9	1974.6	2010.3	2066.5	2105.5	2119.5	2083.3	1990.8	1881.6	1846.5
40°	2146.6	2144.4	2183.3	2237.4	2258.5	2267.1	2213.6	2112.5	1991.4	1953.5
42.5°	2298.5	2296.9	2349.3	2409.3	2434.8	2425.0	2357.4	2241.7	2118.4	2075.2
45°	2420.2	2418.0	2482.3	2566.7	2616.4	2600.2	2509.4	2384.5	2247.1	2202.3
47.5°	2513.7	2514.8	2584.0	2688.3	2775.4	2781.3	2664.5	2529.9	2388.8	2338.0
50°	2581.3	2584.5	2658.6	2774.3	2893.3	2945.7	2823.0	2679.1	2535.3	2478.0
52.5°	2598.0	2604.0	2693.2	2828.9	2969.0	3069.0	2984.1	2822.4	2674.3	2619.7
55°	2508.8	2520.7	2633.7	2824.6	3015.5	3150.1	3125.8	2967.9	2814.3	2758.1
57.5°	2303.9	2320.7	2452.6	2701.9	3005.2	3205.8	3235.5	3107.4	2954.4	2900.3
60°	2016.8	2036.8	2163.3	2435.3	2860.3	3226.3	3312.8	3243.1	3083.0	3030.6
62.5°	1583.7	1609.6	1761.0	2080.1	2554.2	3130.6	3378.8	3365.8	3198.8	3133.3
65°	1016.0	1043.5	1203.0	1579.9	2146.0	2837.6	3399.4	3485.3	3321.0	3229.6
67.5°	612.6	625.0	704.0	957.6	1568.6	2395.8	3225.2	3617.8	3463.7	3350.1
70°	392.0	399.0	446.1	562.3	886.7	1748.1	2793.8	3642.7	3636.7	3474.0
72.5°	266.0	268.2	280.6	333.1	501.8	993.3	2060.6	3297.7	3744.9	3633.5
75°	194.7	206.5	226.6	235.7	284.9	496.4	1180.9	2316.9	3156.0	3204.7
77.5°	144.9	145.4	173.0	183.8	203.3	264.4	499.6	1293.3	1959.5	2057.3
80°	122.7	116.2	115.7	148.2	153.0	164.9	223.3	446.6	701.8	425.5
82.5°	102.2	95.2	86.0	115.7	104.4	101.1	96.8	181.7	223.3	109.8
85°	71.4	68.1	64.9	75.7	59.5	50.8	46.5	84.9	94.1	46.5
87.5°	30.8	31.9	32.4	33.5	24.9	17.8	17.8	23.8	23.8	18.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1134.4
1141.4
1169.0
1216.0
1271.2
1325.8
1383.6
1427.4
1463.1
1496.6
1534.5
1574.0
1617.8
1683.2
1761.0
1853.0
1966.0
2086.0
2212.5
2353.1
2495.3
2633.7
2773.8
2912.7
3042.0
3140.9
3240.9
3358.8
3472.9
3616.2
3086.8
1835.1
321.7
93.5
41.1
13.5
0.0

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