

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: P950794

Luminaire Tested: **GALN-SB5A-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5A-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14445 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

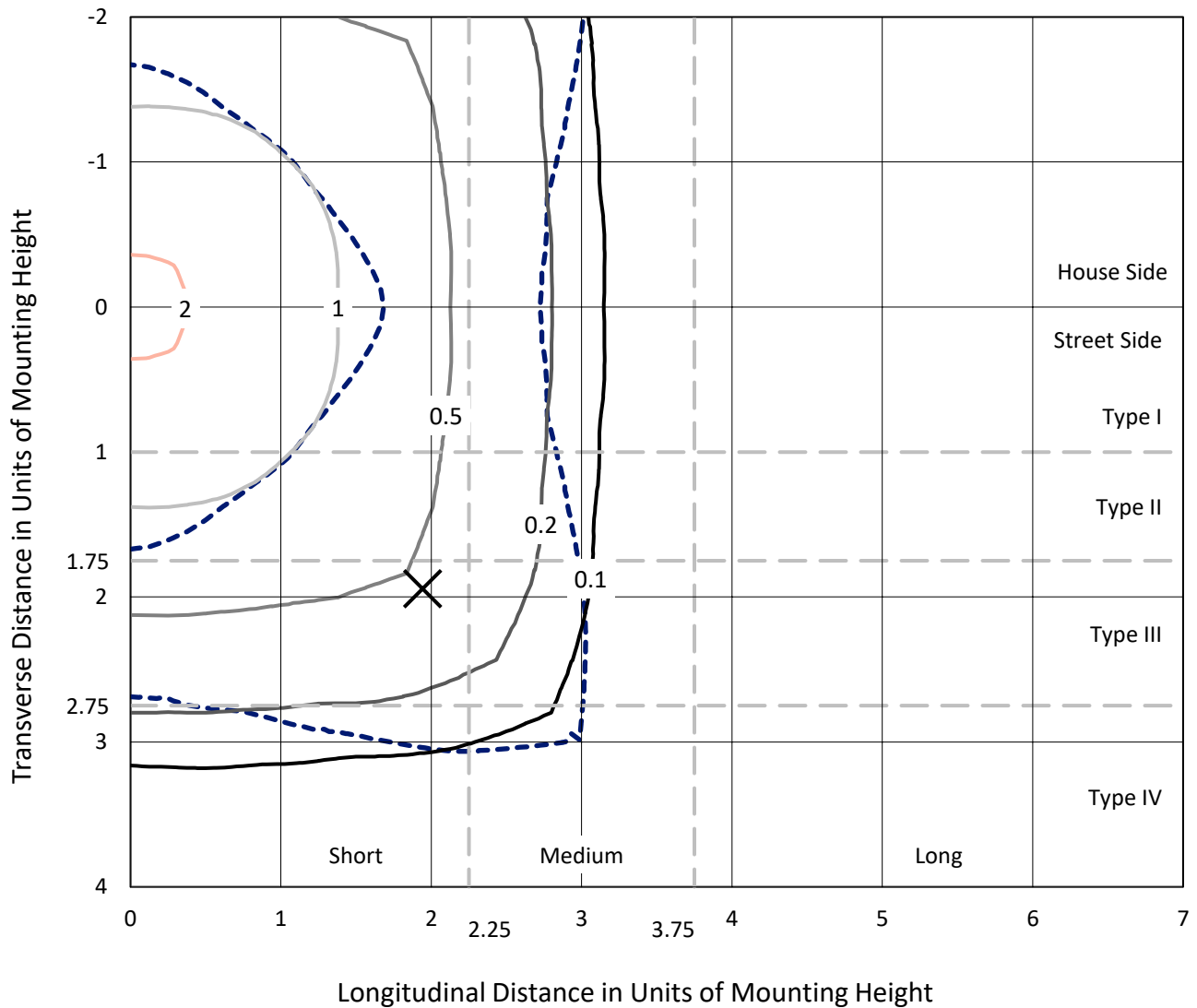
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

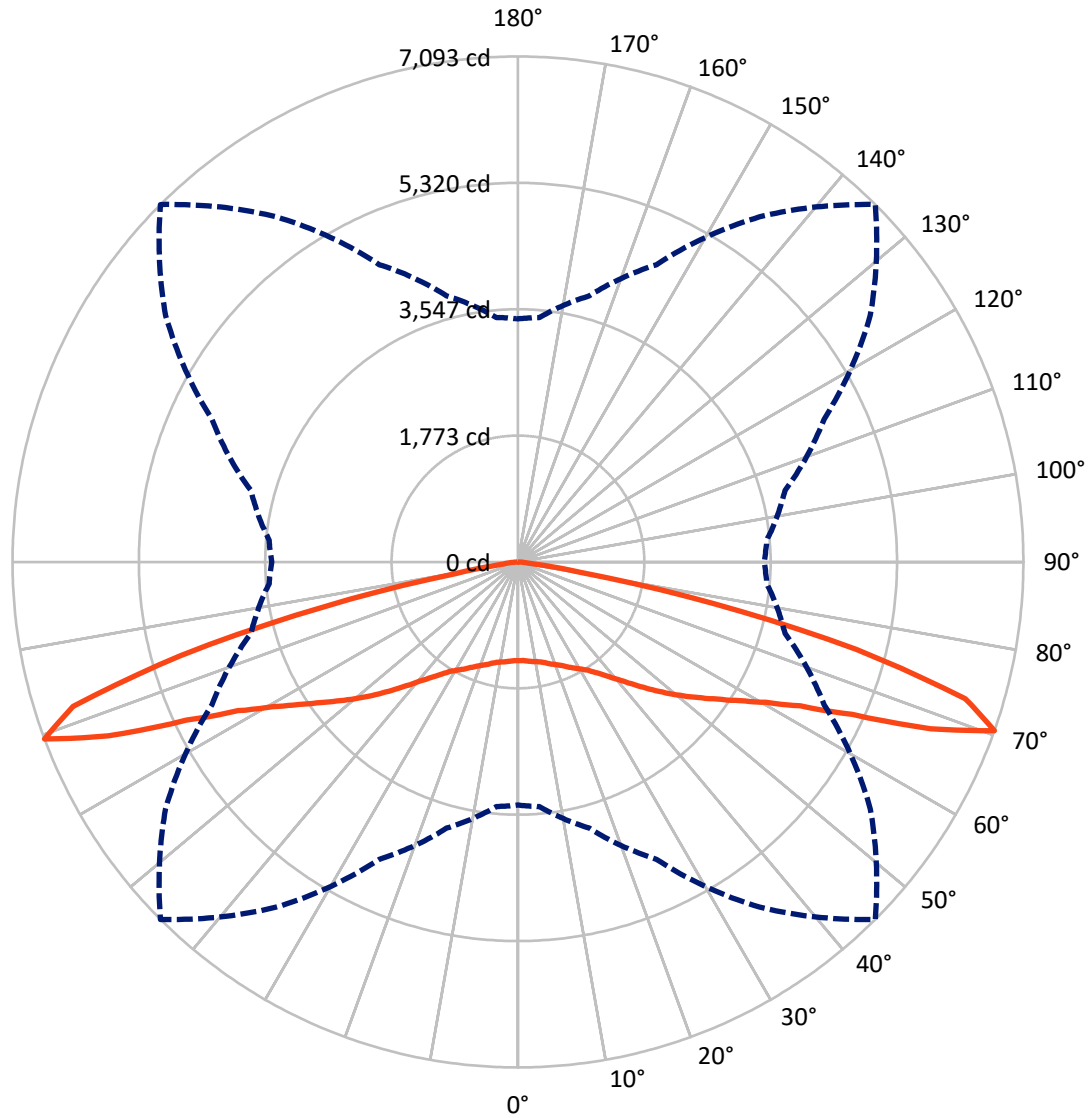
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7222.5	0.0	7222.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7222.5	0.0	7222.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14445.0	0.0	14445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.4	0.9
10°-20°	416.8	2.9
20°-30°	744.9	5.2
30°-40°	1207.5	8.4
40°-50°	1966.9	13.6
50°-60°	2998.8	20.8
60°-70°	4461.3	30.9
70°-80°	2431.5	16.8
80°-90°	82.8	0.6
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°	14445.0	100.0
0°-180°	14445.0	100.0

Coefficient of Utilization



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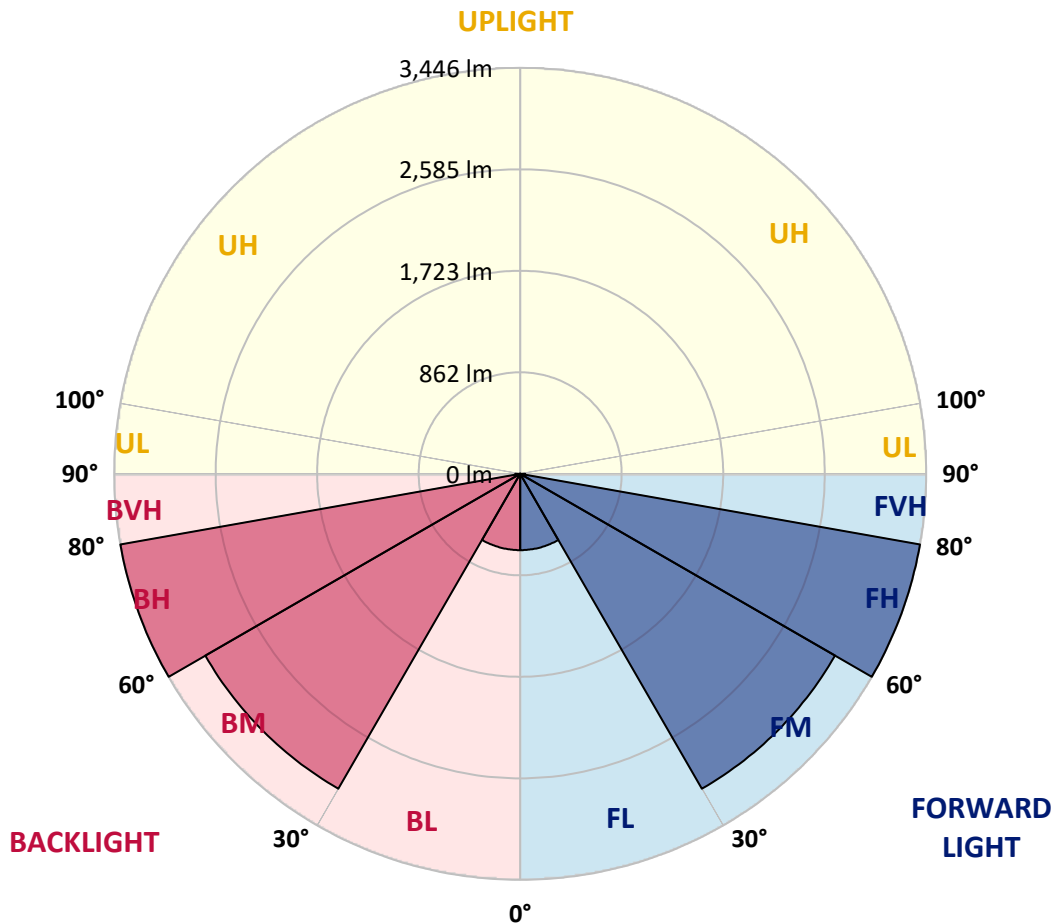
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.1	4.5			
FM (30°-60°)	3086.6	21.4			
FH (60°-80°)	3446.4	23.9			G2/5000
FVH (80°-90°)	41.4	0.3			G1/100
BL (0°-30°)	648.1	4.5	B2/1000		
BM (30°-60°)	3086.6	21.4	B3/5000		
BH (60°-80°)	3446.4	23.9	B4/5000		G2/5000
BVH (80°-90°)	41.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7	1383.7
2.5°	1390.2	1391.7	1388.8	1387.3	1385.9	1383.7	1384.4	1388.0	1390.9	1390.2
5°	1401.8	1403.3	1401.1	1400.4	1397.5	1396.7	1396.7	1400.4	1402.5	1401.1
7.5°	1414.9	1417.0	1413.4	1412.7	1411.2	1409.8	1409.1	1412.7	1414.9	1414.9
10°	1427.2	1429.4	1426.5	1424.3	1422.8	1422.8	1421.4	1424.3	1427.9	1427.2
12.5°	1440.2	1441.7	1438.8	1437.3	1437.3	1439.5	1437.3	1438.8	1441.7	1440.2
15°	1456.2	1456.9	1456.2	1458.4	1462.0	1469.3	1462.7	1461.3	1462.7	1459.1
17.5°	1478.0	1479.4	1482.3	1487.4	1492.5	1505.5	1493.9	1490.3	1490.3	1483.0
20°	1504.8	1507.0	1511.3	1520.0	1526.5	1538.9	1527.3	1522.2	1520.0	1510.6
22.5°	1533.1	1536.7	1543.2	1554.8	1566.4	1578.0	1566.4	1557.7	1551.2	1538.9
25°	1565.7	1570.1	1580.2	1599.1	1615.0	1631.7	1617.9	1600.5	1587.5	1570.1
27.5°	1612.1	1617.2	1629.5	1652.7	1673.0	1687.5	1674.5	1652.0	1633.9	1612.8
30°	1677.4	1682.5	1697.0	1721.6	1735.4	1744.8	1736.1	1718.7	1697.0	1673.0
32.5°	1761.5	1768.0	1784.0	1807.2	1810.1	1811.5	1808.6	1799.9	1784.0	1755.0
35°	1868.1	1875.4	1893.5	1912.4	1909.5	1912.4	1908.0	1905.1	1893.5	1860.1
37.5°	1998.7	2007.4	2026.2	2040.7	2033.5	2029.8	2030.6	2031.3	2024.8	1987.8
40°	2150.2	2161.8	2175.6	2190.8	2178.5	2167.6	2174.9	2180.7	2174.9	2137.2
42.5°	2306.1	2322.8	2337.3	2359.1	2348.9	2335.1	2345.3	2351.8	2339.5	2298.9
45°	2479.5	2495.4	2514.3	2546.9	2539.7	2525.1	2539.7	2541.1	2520.1	2472.2
47.5°	2658.6	2675.3	2703.5	2747.1	2744.2	2728.2	2747.1	2736.9	2710.1	2652.8
50°	2828.3	2851.5	2895.0	2955.9	2961.7	2942.1	2967.5	2947.9	2903.0	2831.2
52.5°	2987.8	3012.5	3081.4	3164.0	3185.1	3159.7	3193.8	3159.7	3092.3	3000.2
55°	3155.3	3182.9	3264.9	3372.9	3415.0	3396.1	3428.0	3376.5	3280.8	3169.1
57.5°	3352.6	3369.3	3467.2	3595.5	3666.6	3671.0	3685.5	3598.4	3482.4	3355.5
60°	3566.5	3589.7	3696.3	3850.1	3962.5	3998.8	3983.5	3854.4	3719.6	3573.8
62.5°	3840.7	3866.0	3993.7	4177.9	4355.6	4445.5	4386.0	4198.9	4032.1	3857.3
65°	4067.6	4095.9	4326.5	4655.1	4978.5	5159.1	5009.7	4665.2	4365.0	4118.4
67.5°	3903.0	3937.8	4299.7	4903.1	5707.3	6246.1	5734.9	4977.0	4388.9	4054.6
70°	3411.3	3444.0	3866.0	4603.6	5912.6	7093.2	6035.8	4739.2	3879.8	3505.6
72.5°	2264.8	2370.0	2797.1	3681.8	5279.5	6563.8	5331.7	3607.1	2594.8	2259.7
75°	751.3	835.4	1127.0	1908.7	3536.1	4908.9	3366.4	1689.0	892.7	642.5
77.5°	189.3	218.3	301.0	546.1	1410.5	2794.9	1269.8	446.0	242.9	169.7
80°	92.1	101.5	145.0	182.0	353.2	888.4	331.4	171.1	114.6	88.5
82.5°	50.8	51.5	81.9	103.0	131.3	229.9	136.3	100.1	66.0	53.7
85°	31.2	30.5	43.5	55.1	55.1	81.9	65.3	55.1	37.7	33.4
87.5°	12.3	12.3	16.0	17.4	15.2	21.0	16.7	18.1	14.5	13.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1383.7
1390.9
1401.8
1414.9
1427.2
1439.5
1459.1
1483.0
1510.6
1538.1
1569.3
1612.1
1673.0
1755.7
1860.1
1987.8
2137.2
2301.8
2477.3
2649.2
2829.7
2991.4
3153.9
3338.1
3550.6
3826.9
4077.8
4004.6
3455.6
2186.5
607.7
151.6
81.2
53.7
34.8
14.5
0.0

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