

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: P949367

Luminaire Tested: **GALN-SB4A-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11467 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

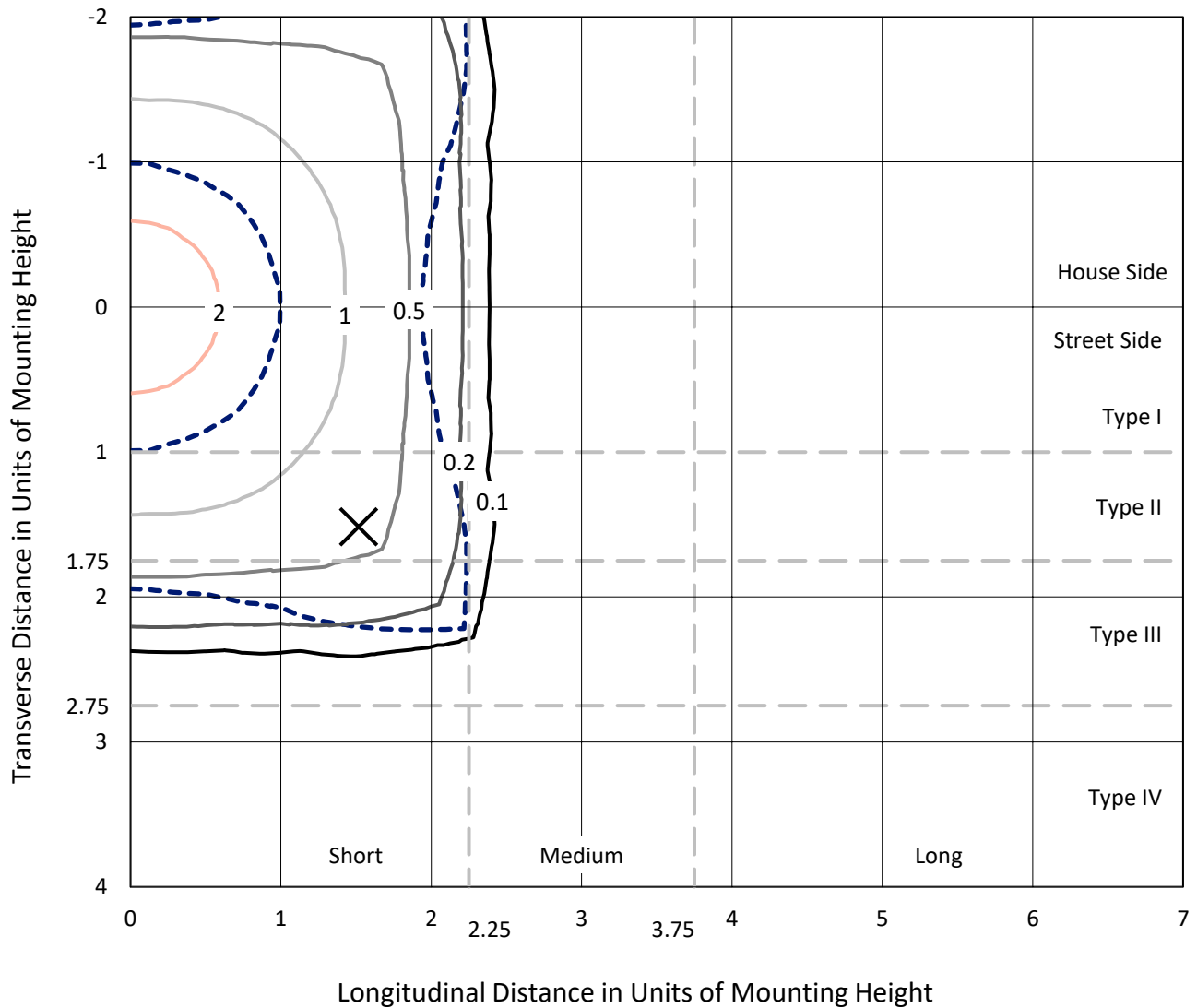
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

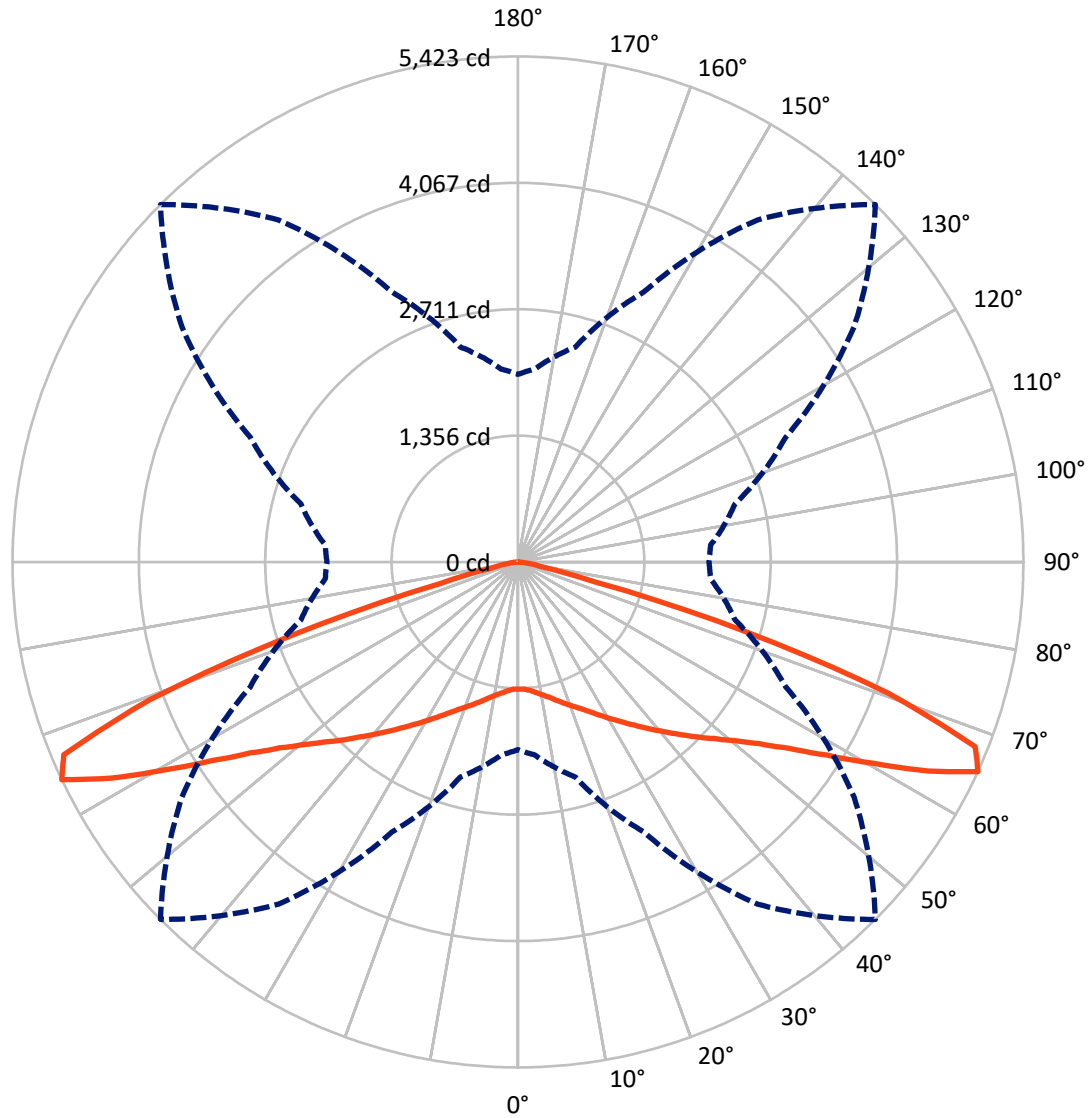
✕ Max cd
 - - - 1/2 Max cd



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 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5733.5	0.0	5733.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5733.5	0.0	5733.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11467.0	0.0	11467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	1.2
10°-20°	439.5	3.8
20°-30°	829.8	7.2
30°-40°	1358.7	11.8
40°-50°	2106.7	18.4
50°-60°	3112.1	27.1
60°-70°	2962.4	25.8
70°-80°	478.0	4.2
80°-90°	45.1	0.4
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°	11467.0	100.0
0°-180°	11467.0	100.0

Coefficient of Utilization



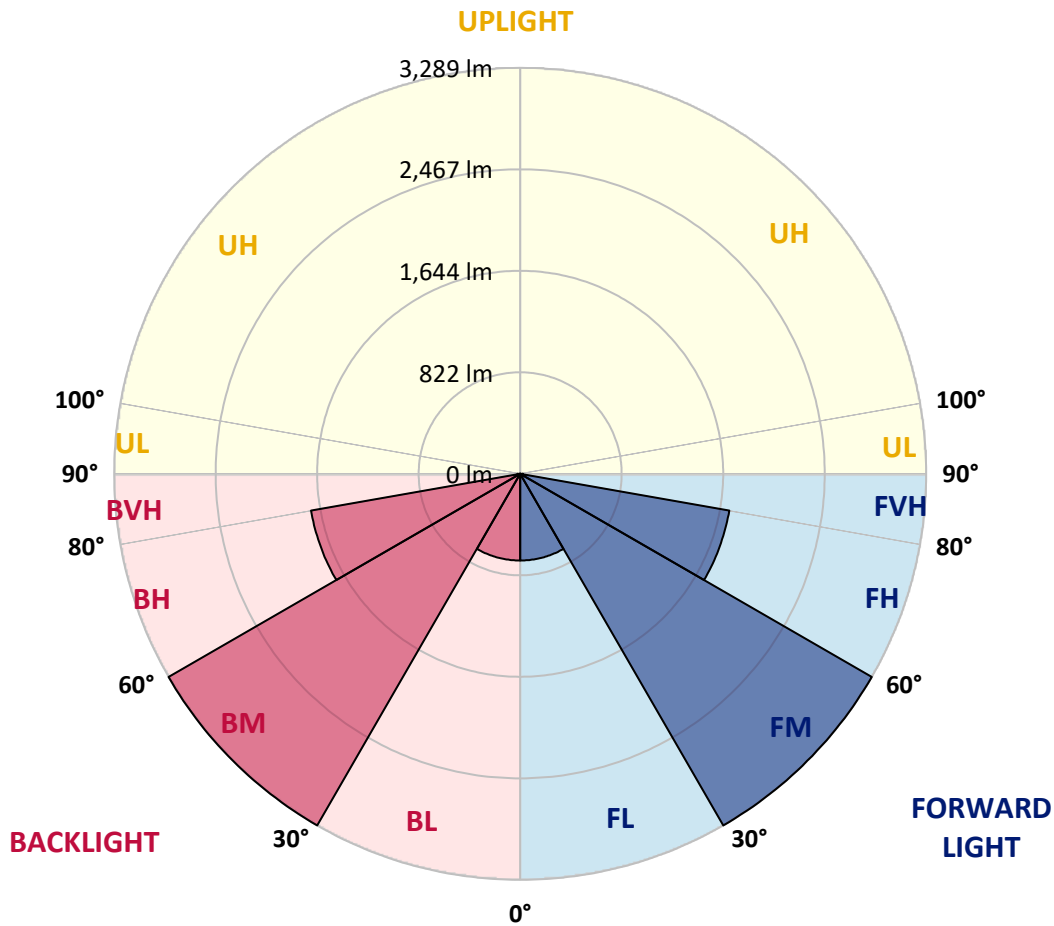
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.0	6.1			
FM (30°-60°)	3288.8	28.7			
FH (60°-80°)	1720.2	15.0			G1/1800
FVH (80°-90°)	22.5	0.2			G1/100
BL (0°-30°)	702.0	6.1	B2/1000		
BM (30°-60°)	3288.8	28.7	B3/5000		
BH (60°-80°)	1720.2	15.0	B3/2500		G1/1800
BVH (80°-90°)	22.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7	1364.7
2.5°	1373.9	1369.3	1372.7	1369.9	1367.6	1365.3	1366.4	1370.4	1372.2	1372.7
5°	1392.3	1388.3	1390.0	1390.0	1386.0	1384.8	1385.4	1388.3	1391.7	1391.7
7.5°	1422.2	1418.2	1422.2	1419.9	1416.5	1415.3	1414.7	1417.0	1422.2	1422.2
10°	1458.5	1453.9	1456.2	1455.0	1451.0	1449.3	1448.7	1452.1	1456.7	1456.2
12.5°	1498.2	1493.0	1495.9	1492.4	1491.3	1489.5	1489.5	1489.0	1491.8	1489.5
15°	1542.5	1539.0	1540.2	1537.9	1539.6	1538.4	1533.8	1531.5	1532.7	1529.2
17.5°	1594.8	1586.8	1590.8	1589.6	1589.6	1591.9	1584.5	1581.6	1583.9	1580.4
20°	1655.2	1647.2	1648.9	1646.6	1643.7	1646.0	1636.8	1639.1	1640.8	1638.5
22.5°	1721.4	1711.0	1710.5	1711.6	1705.3	1705.9	1699.5	1705.3	1708.7	1702.4
25°	1789.3	1778.4	1785.8	1783.0	1774.9	1776.6	1772.0	1777.8	1780.7	1772.6
27.5°	1861.2	1853.7	1860.6	1862.3	1852.6	1859.5	1852.6	1857.7	1860.6	1848.5
30°	1945.2	1937.7	1944.0	1948.6	1937.1	1948.1	1942.3	1945.8	1946.3	1932.0
32.5°	2036.7	2025.2	2041.3	2043.6	2030.9	2044.2	2036.7	2041.3	2044.2	2024.6
35°	2148.3	2133.9	2152.3	2149.4	2138.5	2149.4	2142.5	2149.4	2156.3	2132.8
37.5°	2268.5	2253.6	2273.1	2268.0	2257.6	2265.1	2261.1	2265.7	2276.6	2251.3
40°	2400.9	2382.5	2408.9	2399.7	2389.9	2388.8	2391.1	2394.0	2408.3	2380.1
42.5°	2542.4	2522.8	2562.5	2548.1	2534.3	2525.1	2532.6	2538.4	2552.2	2520.5
45°	2704.1	2681.6	2733.4	2716.1	2694.3	2675.3	2687.4	2696.0	2716.1	2678.2
47.5°	2882.4	2857.1	2912.3	2907.2	2871.5	2830.1	2857.7	2882.4	2897.4	2851.3
50°	3056.7	3037.2	3109.7	3116.0	3072.3	3014.2	3052.7	3090.1	3094.1	3033.7
52.5°	3220.1	3200.6	3305.9	3345.6	3306.4	3237.4	3278.2	3316.2	3285.7	3207.5
55°	3350.7	3334.6	3468.7	3571.1	3584.3	3527.4	3551.5	3550.4	3450.3	3330.0
57.5°	3382.4	3380.1	3549.2	3766.1	3904.2	3911.1	3863.4	3741.4	3525.6	3364.0
60°	3238.5	3252.9	3485.4	3868.0	4236.2	4389.2	4182.7	3834.6	3439.9	3215.5
62.5°	2808.2	2846.2	3126.4	3743.7	4504.3	4939.2	4438.7	3693.1	3087.8	2795.0
65°	2012.5	2078.7	2388.2	3194.8	4480.1	5422.5	4401.9	3168.9	2411.2	2073.5
67.5°	913.1	980.4	1243.3	2187.4	3894.4	5291.3	3885.2	2210.4	1305.4	983.8
70°	330.8	342.3	426.9	875.7	2488.9	4216.0	2595.3	882.0	453.9	364.8
72.5°	200.2	201.9	219.8	313.6	864.7	2559.7	901.5	323.9	224.4	199.1
75°	127.1	126.0	156.5	191.6	306.7	863.6	321.6	191.6	155.9	142.1
77.5°	91.5	94.4	112.2	143.3	193.3	292.8	189.9	136.9	112.2	92.1
80°	68.5	70.2	81.7	111.6	135.8	182.4	120.8	101.3	84.6	57.5
82.5°	49.5	49.5	53.5	81.1	82.8	98.4	65.6	71.3	55.8	40.8
85°	29.3	28.8	33.4	48.3	43.1	36.2	29.9	43.7	35.1	25.3
87.5°	10.4	10.9	10.4	13.8	11.5	9.8	9.2	12.1	9.8	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1364.7
1372.7
1391.7
1420.5
1455.0
1490.7
1529.8
1583.3
1643.7
1708.7
1781.8
1857.7
1940.6
2037.8
2147.1
2266.8
2389.4
2537.2
2697.7
2866.9
3041.2
3209.8
3334.0
3353.6
3189.1
2777.7
2048.8
969.4
360.2
202.5
143.3
93.8
59.3
40.8
24.7
8.1
0.0

OF REPORT)