

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: P947623

Luminaire Tested: **GALN-SB2D-935-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947623
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-SB2D-935-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14826 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

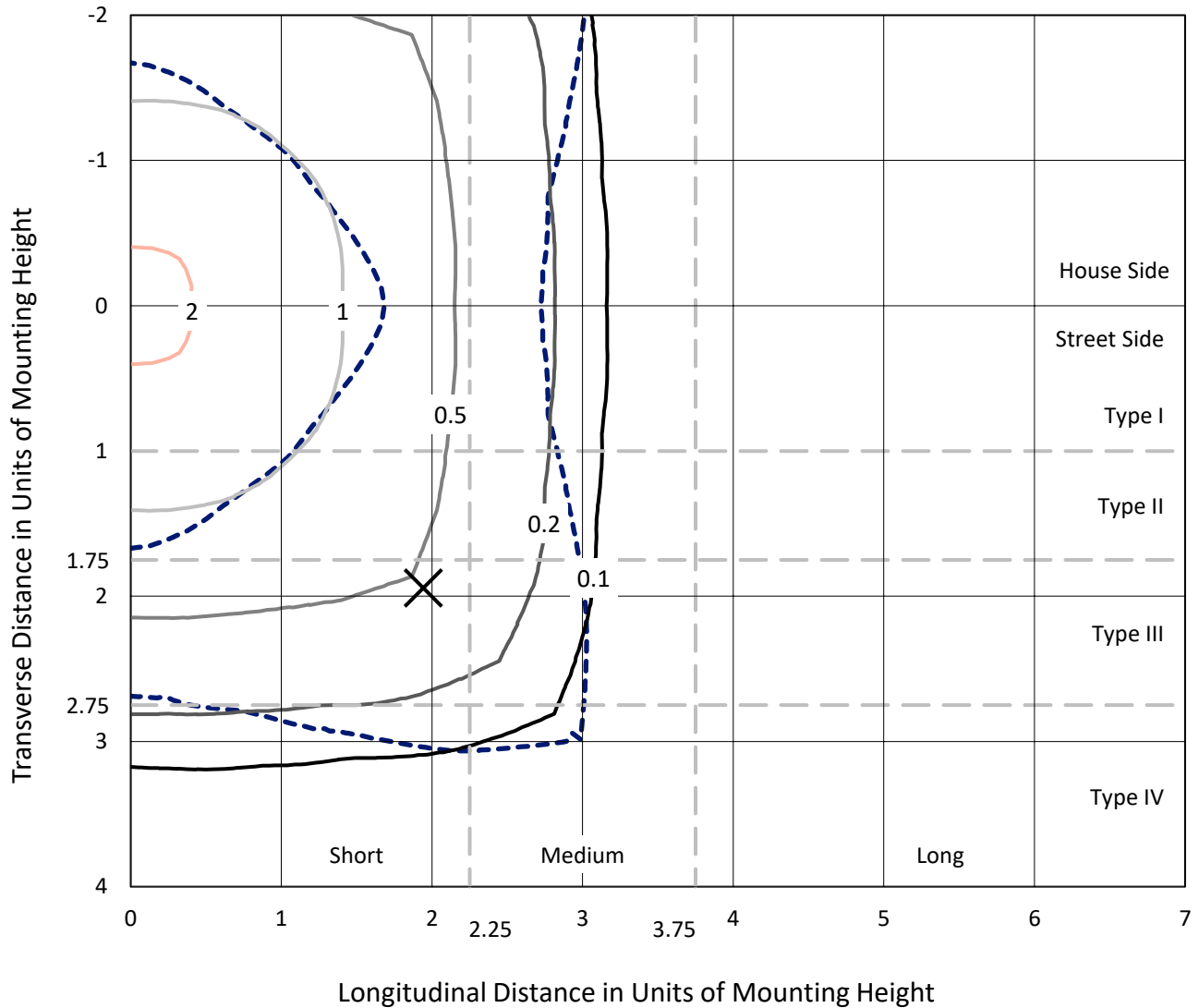
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

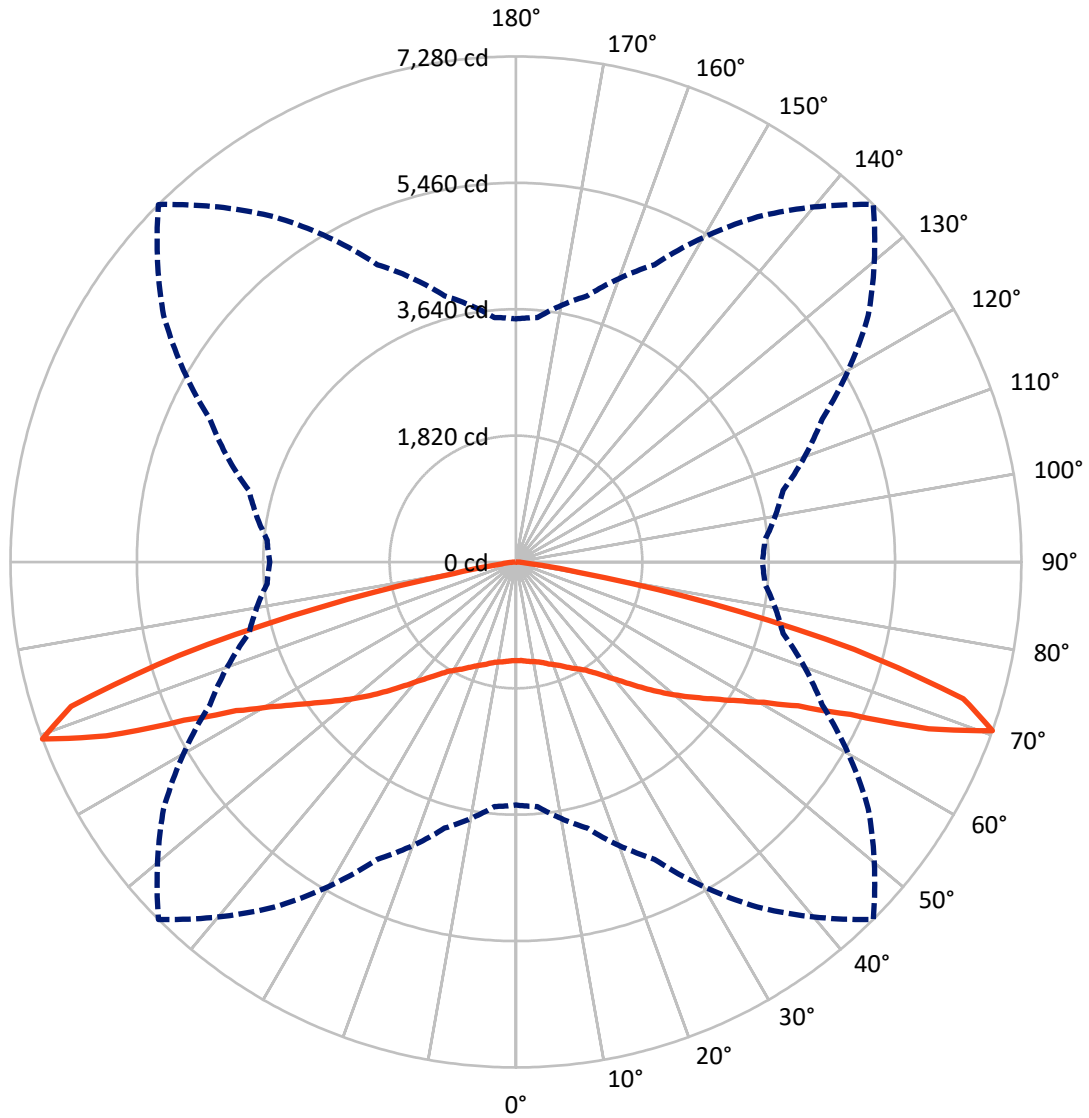
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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	7413.0	0.0	7413.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7413.0	0.0	7413.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14826.0	0.0	14826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	0.9
10°-20°	427.8	2.9
20°-30°	764.6	5.2
30°-40°	1239.4	8.4
40°-50°	2018.7	13.6
50°-60°	3077.9	20.8
60°-70°	4578.9	30.9
70°-80°	2495.7	16.8
80°-90°	85.0	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°	14826.0	100.0
0°-180°	14826.0	100.0

Coefficient of Utilization



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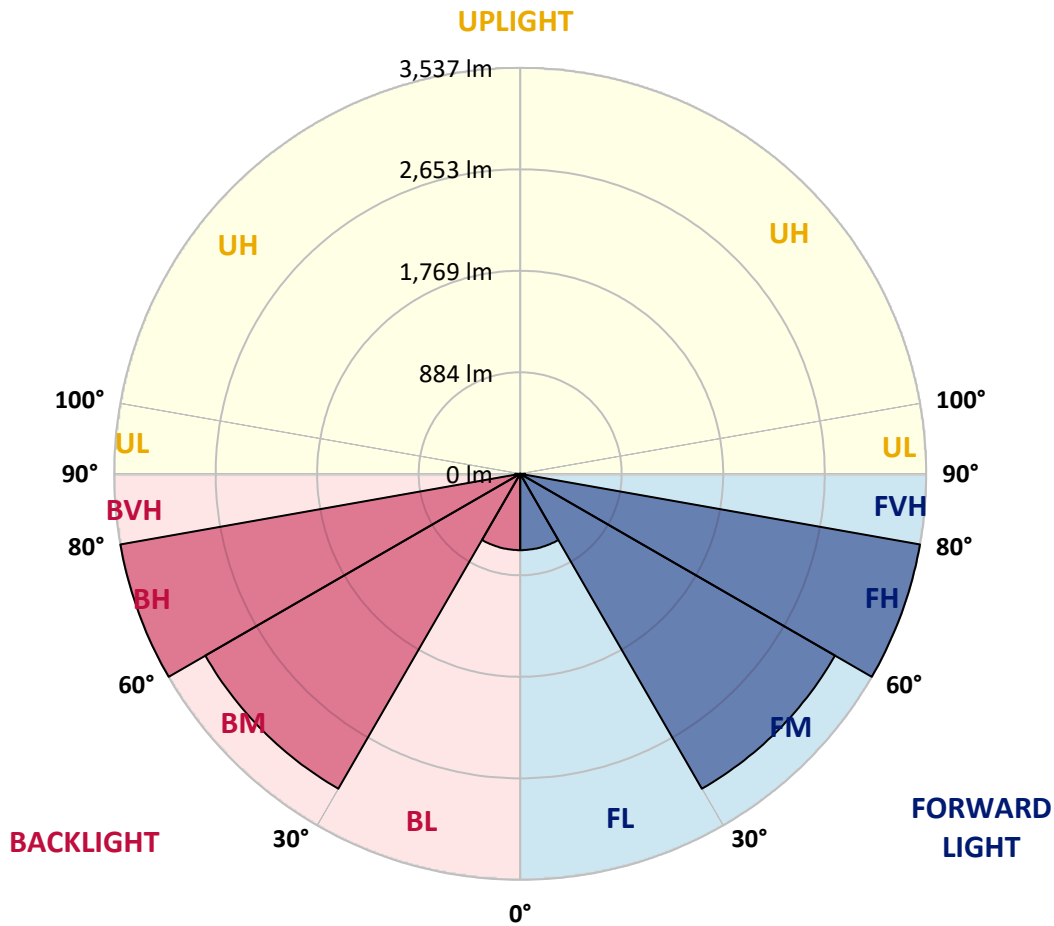
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	665.2	4.5			
FM (30°-60°)	3168.0	21.4			
FH (60°-80°)	3537.3	23.9			G2/5000
FVH (80°-90°)	42.5	0.3			G1/100
BL (0°-30°)	665.2	4.5	B2/1000		
BM (30°-60°)	3168.0	21.4	B3/5000		
BH (60°-80°)	3537.3	23.9	B4/5000		G2/5000
BVH (80°-90°)	42.5	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°	1420.2	1420.2	1420.2	1420.2	1420.2	1420.2	1420.2	1420.2	1420.2	1420.2
2.5°	1426.9	1428.4	1425.4	1423.9	1422.4	1420.2	1420.9	1424.6	1427.6	1426.9
5°	1438.8	1440.3	1438.0	1437.3	1434.3	1433.6	1433.6	1437.3	1439.5	1438.0
7.5°	1452.2	1454.4	1450.7	1450.0	1448.5	1447.0	1446.2	1450.0	1452.2	1452.2
10°	1464.8	1467.1	1464.1	1461.9	1460.4	1460.4	1458.9	1461.9	1465.6	1464.8
12.5°	1478.2	1479.7	1476.7	1475.3	1475.3	1477.5	1475.3	1476.7	1479.7	1478.2
15°	1494.6	1495.4	1494.6	1496.8	1500.6	1508.0	1501.3	1499.8	1501.3	1497.6
17.5°	1516.9	1518.4	1521.4	1526.6	1531.8	1545.2	1533.3	1529.6	1529.6	1522.2
20°	1544.5	1546.7	1551.2	1560.1	1566.8	1579.5	1567.6	1562.3	1560.1	1550.4
22.5°	1573.5	1577.2	1583.9	1595.8	1607.7	1619.7	1607.7	1598.8	1592.1	1579.5
25°	1607.0	1611.5	1621.9	1641.2	1657.6	1674.7	1660.6	1642.7	1629.3	1611.5
27.5°	1654.6	1659.9	1672.5	1696.3	1717.2	1732.1	1718.7	1695.6	1677.0	1655.4
30°	1721.6	1726.8	1741.7	1767.0	1781.2	1790.9	1781.9	1764.1	1741.7	1717.2
32.5°	1808.0	1814.7	1831.0	1854.9	1857.8	1859.3	1856.4	1847.4	1831.0	1801.3
35°	1917.4	1924.8	1943.4	1962.8	1959.8	1962.8	1958.3	1955.3	1943.4	1909.2
37.5°	2051.4	2060.3	2079.7	2094.5	2087.1	2083.4	2084.1	2084.9	2078.2	2040.2
40°	2206.9	2218.8	2233.0	2248.6	2236.0	2224.8	2232.2	2238.2	2232.2	2193.5
42.5°	2367.0	2384.1	2399.0	2421.3	2410.9	2396.7	2407.2	2413.9	2401.2	2359.5
45°	2544.9	2561.2	2580.6	2614.1	2606.6	2591.7	2606.6	2608.1	2586.5	2537.4
47.5°	2728.7	2745.8	2774.9	2819.5	2816.5	2800.2	2819.5	2809.1	2781.6	2722.8
50°	2902.9	2926.7	2971.4	3033.9	3039.8	3019.7	3045.8	3025.7	2979.5	2905.9
52.5°	3066.6	3091.9	3162.6	3247.5	3269.1	3243.0	3278.0	3243.0	3173.8	3079.3
55°	3238.6	3266.9	3351.0	3461.9	3505.0	3485.7	3518.4	3465.6	3367.3	3252.7
57.5°	3441.0	3458.1	3558.6	3690.4	3763.3	3767.8	3782.7	3693.4	3574.3	3444.0
60°	3660.6	3684.4	3793.8	3951.6	4067.0	4104.2	4088.6	3956.1	3817.7	3668.0
62.5°	3942.0	3968.0	4099.0	4288.1	4470.4	4562.7	4501.7	4309.7	4138.5	3959.1
65°	4174.9	4204.0	4440.7	4777.8	5109.8	5295.1	5141.8	4788.3	4480.1	4227.0
67.5°	4006.0	4041.7	4413.1	5032.4	5857.9	6410.9	5886.1	5108.3	4504.7	4161.5
70°	3501.3	3534.8	3968.0	4725.0	6068.5	7280.3	6195.0	4864.2	3982.2	3598.1
72.5°	2324.5	2432.5	2870.9	3779.0	5418.7	6736.9	5472.3	3702.3	2663.2	2319.3
75°	771.1	857.5	1156.7	1959.1	3629.3	5038.4	3455.2	1733.5	916.3	659.5
77.5°	194.3	224.0	308.9	560.5	1447.7	2868.6	1303.3	457.8	249.3	174.2
80°	94.5	104.2	148.9	186.8	362.5	911.8	340.2	175.7	117.6	90.8
82.5°	52.1	52.8	84.1	105.7	134.7	236.0	139.9	102.7	67.7	55.1
85°	32.0	31.3	44.7	56.6	56.6	84.1	67.0	56.6	38.7	34.2
87.5°	12.7	12.7	16.4	17.9	15.6	21.6	17.1	18.6	14.9	14.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1420.2
1427.6
1438.8
1452.2
1464.8
1477.5
1497.6
1522.2
1550.4
1578.7
1610.7
1654.6
1717.2
1802.0
1909.2
2040.2
2193.5
2362.5
2542.6
2719.0
2904.4
3070.4
3237.1
3426.1
3644.2
3927.8
4185.4
4110.2
3546.7
2244.1
623.7
155.6
83.4
55.1
35.7
14.9
0.0

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