

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: P947749

Luminaire Tested: **GALN-SB3A-735-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947749
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-SB3A-735-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14095 lumens
Efficiency: N/A
Efficacy: 166.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

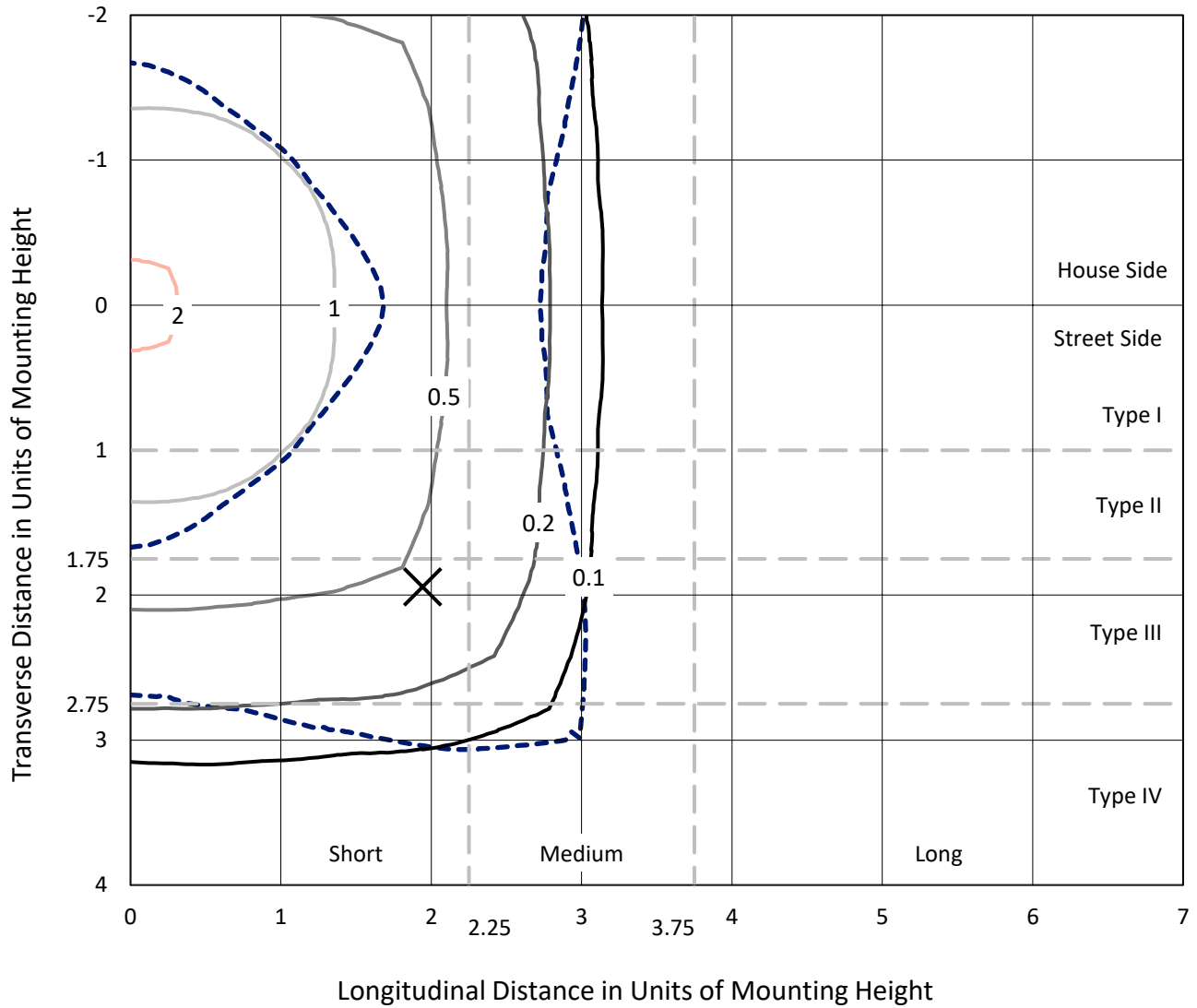
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

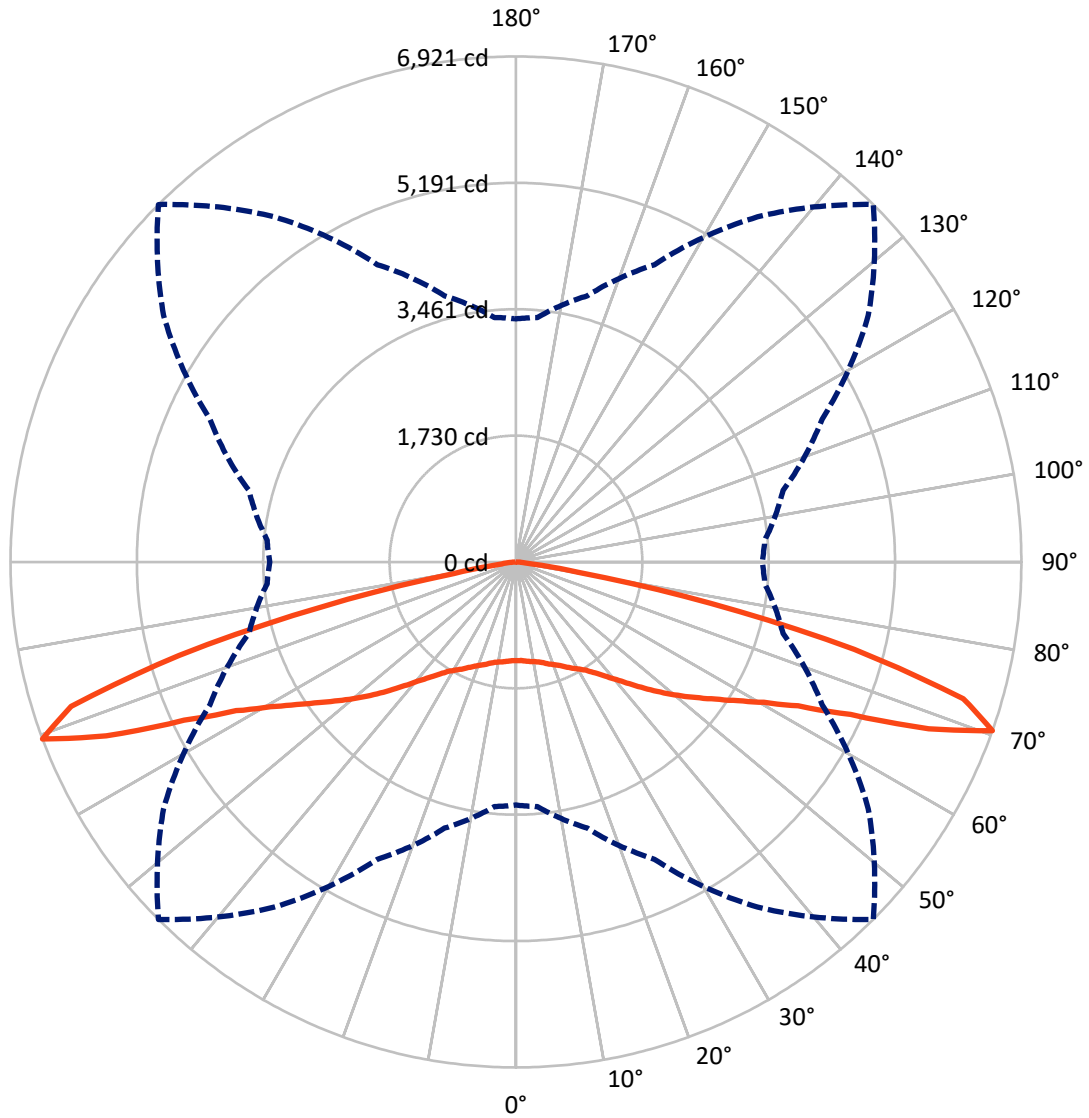
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	7047.5	0.0	7047.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7047.5	0.0	7047.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14095.0	0.0	14095.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	0.9
10°-20°	406.7	2.9
20°-30°	726.9	5.2
30°-40°	1178.3	8.4
40°-50°	1919.2	13.6
50°-60°	2926.1	20.8
60°-70°	4353.2	30.9
70°-80°	2372.6	16.8
80°-90°	80.8	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°	14095.0	100.0
0°-180°	14095.0	100.0

Coefficient of Utilization



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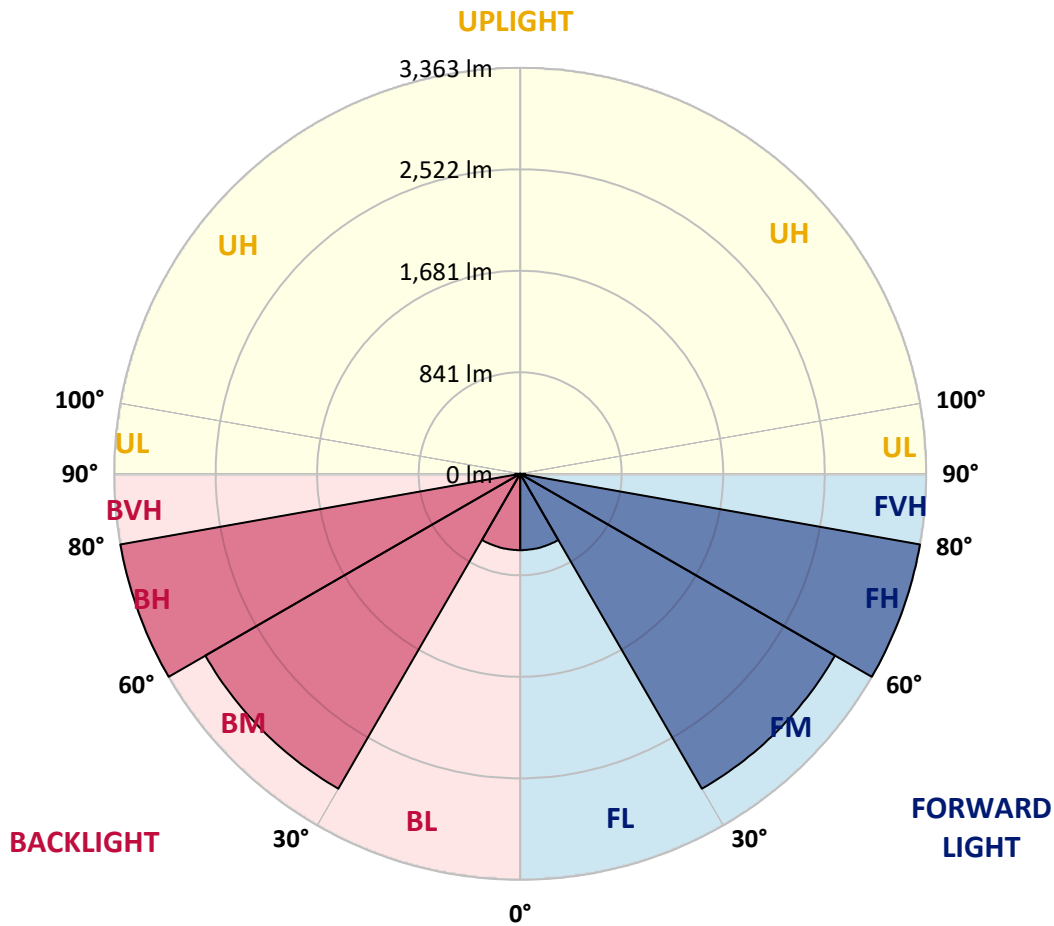
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	632.4	4.5			
FM (30°-60°)	3011.8	21.4			
FH (60°-80°)	3362.9	23.9			G2/5000
FVH (80°-90°)	40.4	0.3			G1/100
BL (0°-30°)	632.4	4.5	B2/1000		
BM (30°-60°)	3011.8	21.4	B3/5000		
BH (60°-80°)	3362.9	23.9	B4/5000		G2/5000
BVH (80°-90°)	40.4	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°	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2	1350.2
2.5°	1356.5	1357.9	1355.1	1353.7	1352.3	1350.2	1350.9	1354.4	1357.2	1356.5
5°	1367.8	1369.3	1367.1	1366.4	1363.6	1362.9	1362.9	1366.4	1368.6	1367.1
7.5°	1380.6	1382.7	1379.2	1378.5	1377.0	1375.6	1374.9	1378.5	1380.6	1380.6
10°	1392.6	1394.7	1391.9	1389.8	1388.4	1388.4	1387.0	1389.8	1393.3	1392.6
12.5°	1405.4	1406.8	1403.9	1402.5	1402.5	1404.6	1402.5	1403.9	1406.8	1405.4
15°	1420.9	1421.6	1420.9	1423.0	1426.6	1433.7	1427.3	1425.9	1427.3	1423.7
17.5°	1442.1	1443.6	1446.4	1451.3	1456.3	1469.0	1457.7	1454.2	1454.2	1447.1
20°	1468.3	1470.5	1474.7	1483.2	1489.6	1501.6	1490.3	1485.3	1483.2	1474.0
22.5°	1495.9	1499.5	1505.8	1517.2	1528.5	1539.8	1528.5	1520.0	1513.6	1501.6
25°	1527.8	1532.0	1541.9	1560.3	1575.9	1592.2	1578.7	1561.7	1549.0	1532.0
27.5°	1573.1	1578.0	1590.0	1612.7	1632.5	1646.7	1633.9	1612.0	1594.3	1573.8
30°	1636.7	1641.7	1655.9	1679.9	1693.4	1702.6	1694.1	1677.1	1655.9	1632.5
32.5°	1718.8	1725.2	1740.8	1763.4	1766.2	1767.7	1764.8	1756.3	1740.8	1712.5
35°	1822.9	1829.9	1847.6	1866.0	1863.2	1866.0	1861.8	1858.9	1847.6	1815.1
37.5°	1950.2	1958.7	1977.1	1991.3	1984.2	1980.7	1981.4	1982.1	1975.7	1939.6
40°	2098.1	2109.4	2122.9	2137.7	2125.7	2115.1	2122.2	2127.8	2122.2	2085.4
42.5°	2250.3	2266.5	2280.7	2301.9	2292.0	2278.6	2288.5	2294.8	2282.8	2243.2
45°	2419.4	2434.9	2453.3	2485.2	2478.1	2464.0	2478.1	2479.5	2459.0	2412.3
47.5°	2594.2	2610.4	2638.0	2680.5	2677.7	2662.1	2680.5	2670.6	2644.4	2588.5
50°	2759.8	2782.4	2824.9	2884.3	2890.0	2870.8	2895.6	2876.5	2832.6	2762.6
52.5°	2915.4	2939.5	3006.7	3087.4	3107.9	3083.1	3116.4	3083.1	3017.3	2927.5
55°	3078.9	3105.8	3185.7	3291.2	3332.2	3313.8	3345.0	3294.7	3201.3	3092.3
57.5°	3271.4	3287.6	3383.2	3508.4	3577.8	3582.0	3596.2	3511.3	3398.0	3274.2
60°	3480.1	3502.8	3606.8	3756.8	3866.5	3901.9	3887.0	3761.0	3629.4	3487.2
62.5°	3747.6	3772.4	3896.9	4076.6	4250.0	4337.8	4279.7	4097.2	3934.4	3763.9
65°	3969.1	3996.7	4221.7	4542.3	4857.9	5034.1	4888.3	4552.2	4259.2	4018.6
67.5°	3808.5	3842.4	4195.5	4784.3	5569.0	6094.8	5595.9	4856.5	4282.6	3956.4
70°	3328.7	3360.5	3772.4	4492.0	5769.3	6921.3	5889.6	4624.4	3785.8	3420.7
72.5°	2209.9	2312.5	2729.3	3592.6	5151.5	6404.7	5202.5	3519.7	2531.9	2205.0
75°	733.1	815.2	1099.7	1862.5	3450.4	4789.9	3284.8	1648.1	871.1	627.0
77.5°	184.7	213.0	293.7	532.8	1376.3	2727.2	1239.1	435.2	237.1	165.6
80°	89.9	99.1	141.5	177.6	344.6	866.8	323.4	167.0	111.8	86.3
82.5°	49.5	50.2	80.0	100.5	128.1	224.3	133.0	97.7	64.4	52.4
85°	30.4	29.7	42.5	53.8	53.8	80.0	63.7	53.8	36.8	32.6
87.5°	12.0	12.0	15.6	17.0	14.9	20.5	16.3	17.7	14.2	13.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1350.2
1357.2
1367.8
1380.6
1392.6
1404.6
1423.7
1447.1
1474.0
1500.9
1531.3
1573.1
1632.5
1713.2
1815.1
1939.6
2085.4
2246.0
2417.3
2585.0
2761.2
2919.0
3077.5
3257.2
3464.5
3734.2
3979.0
3907.5
3371.8
2133.5
593.0
147.9
79.3
52.4
34.0
14.2
0.0

OF REPORT)