

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: P947753

Luminaire Tested: **GALN-SB3A-735-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947753
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-SB3A-735-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13859 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

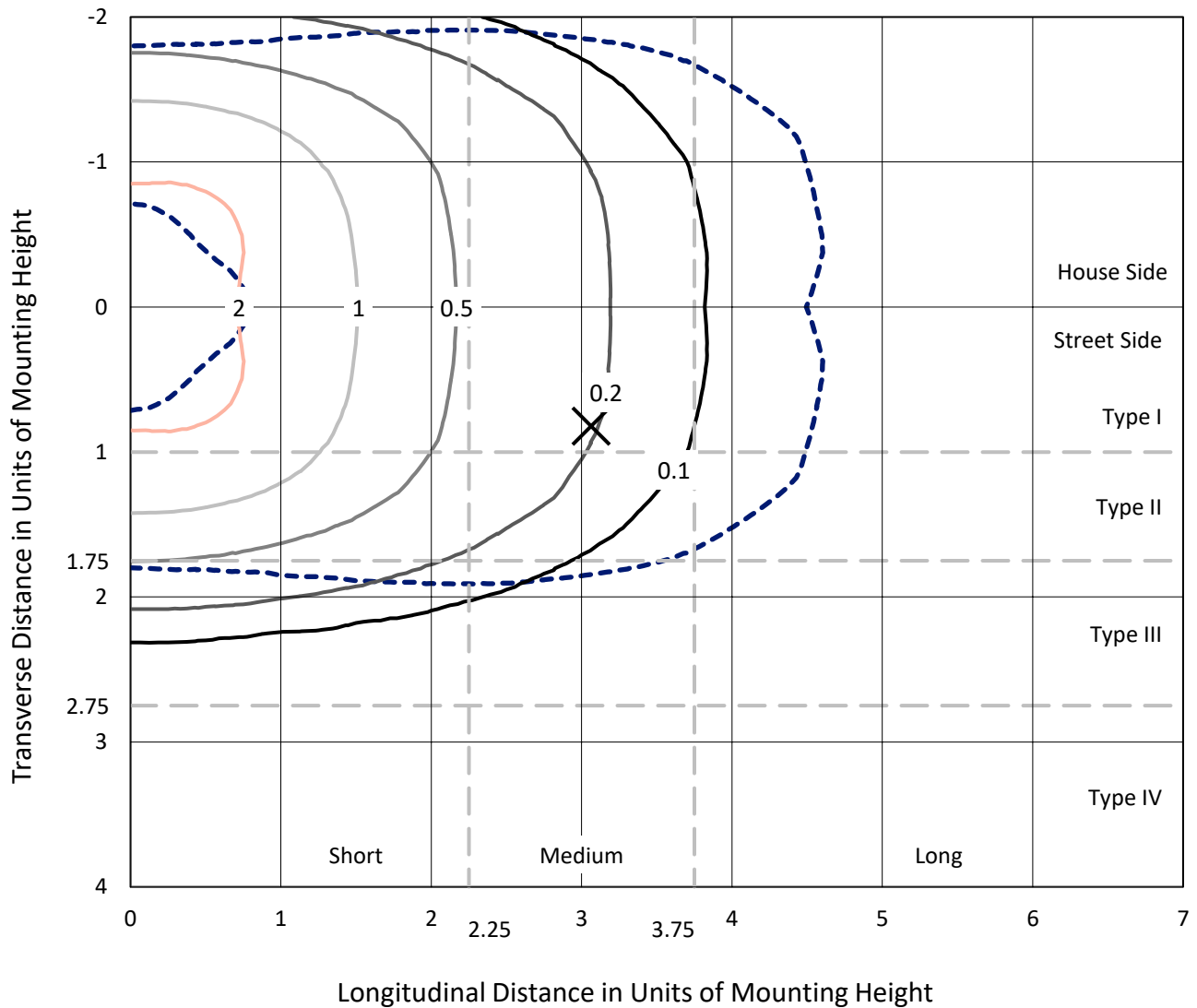
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

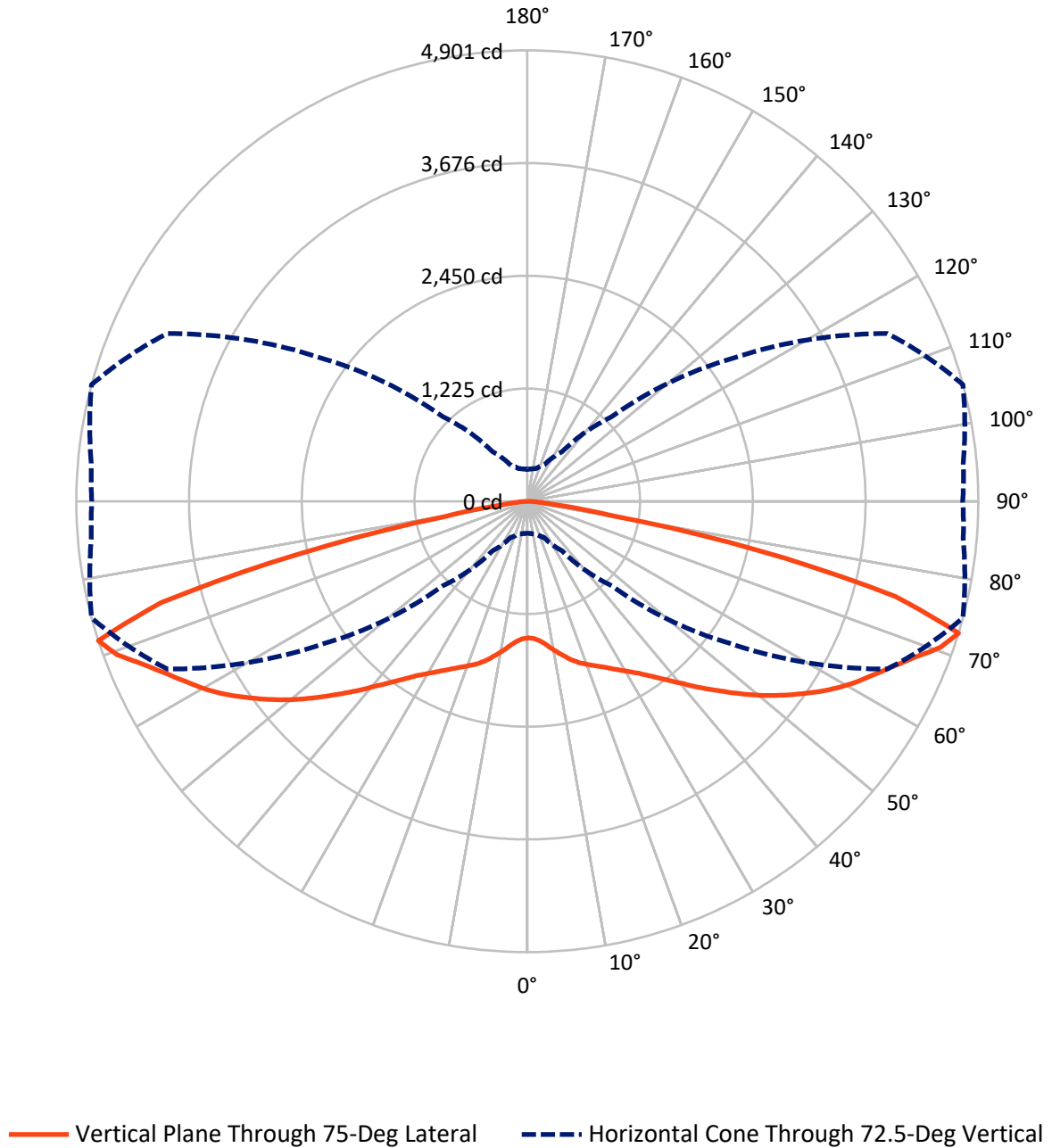
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	6929.5	0.0	6929.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6929.5	0.0	6929.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13859.0	0.0	13859.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.4	1.0
10°-20°	479.6	3.5
20°-30°	926.8	6.7
30°-40°	1565.0	11.3
40°-50°	2481.9	17.9
50°-60°	3322.9	24.0
60°-70°	3162.3	22.8
70°-80°	1650.2	11.9
80°-90°	124.9	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°	13859.0	100.0
0°-180°	13859.0	100.0

Coefficient of Utilization



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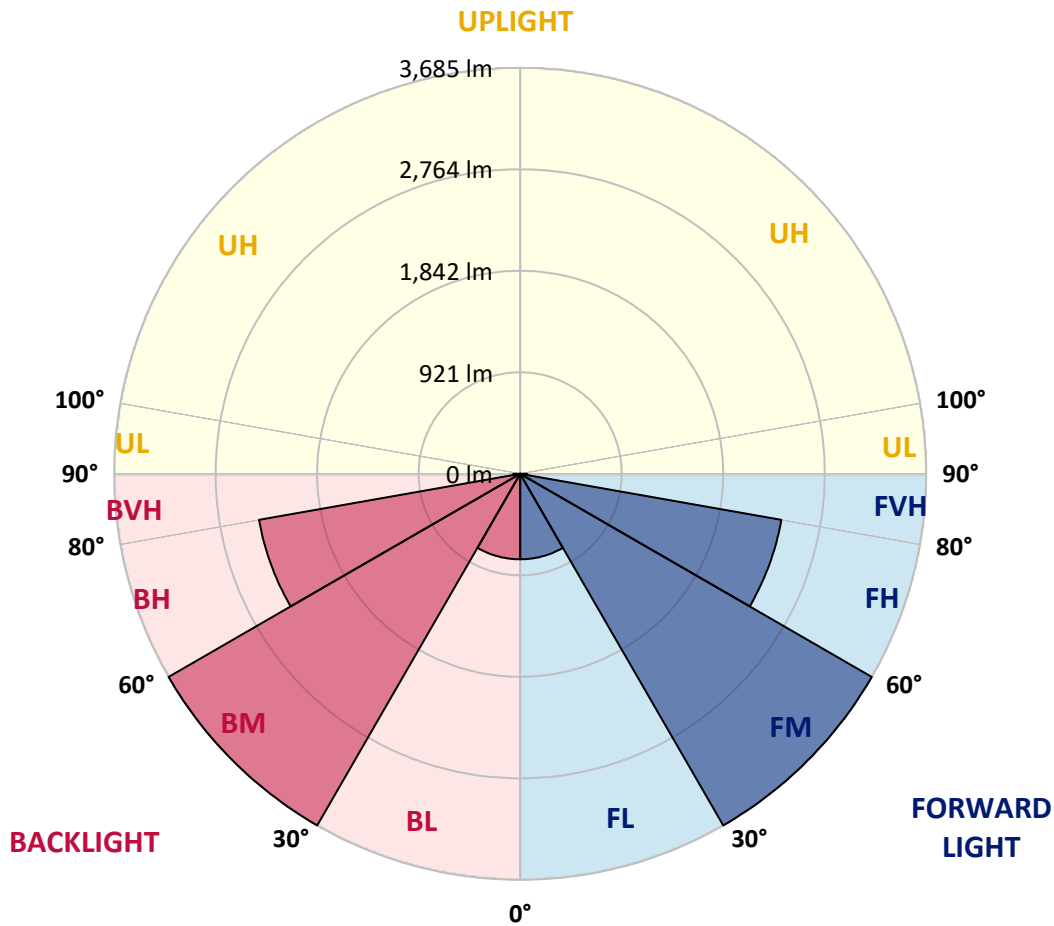
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	775.9	5.6			
FM (30°-60°)	3684.9	26.6			
FH (60°-80°)	2406.3	17.4			G2/5000
FVH (80°-90°)	62.5	0.5			G1/100
BL (0°-30°)	775.9	5.6	B2/1000		
BM (30°-60°)	3684.9	26.6	B3/5000		
BH (60°-80°)	2406.3	17.4	B3/2500		G3/2500
BVH (80°-90°)	62.5	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°	1484.5	1484.5	1484.5	1484.5	1484.5	1484.5	1484.5	1484.5	1484.5	1484.5
2.5°	1484.5	1483.1	1484.5	1486.0	1485.3	1485.3	1488.8	1490.9	1495.2	1494.5
5°	1474.6	1473.9	1479.6	1486.0	1490.9	1499.4	1510.0	1517.8	1527.7	1529.8
7.5°	1469.7	1467.6	1477.5	1488.8	1504.4	1525.6	1546.1	1567.3	1584.3	1590.0
10°	1473.2	1473.9	1487.4	1508.6	1533.4	1563.1	1592.1	1628.2	1652.2	1657.9
12.5°	1489.5	1488.1	1510.7	1544.7	1578.7	1616.2	1650.1	1689.8	1715.9	1729.4
15°	1519.2	1516.4	1548.2	1598.5	1648.0	1691.9	1719.5	1757.0	1787.4	1804.4
17.5°	1554.6	1556.0	1597.8	1662.9	1728.0	1777.5	1803.7	1822.8	1846.1	1861.0
20°	1616.9	1619.7	1666.4	1743.5	1817.8	1874.4	1895.7	1888.6	1895.0	1906.3
22.5°	1700.4	1701.8	1754.1	1837.6	1915.5	1977.7	1991.9	1962.9	1945.2	1953.0
25°	1797.3	1806.5	1858.9	1944.5	2024.4	2083.9	2090.3	2046.4	2002.5	2004.6
27.5°	1915.5	1924.0	1977.0	2061.9	2143.3	2195.0	2194.3	2135.5	2071.1	2054.9
30°	2043.6	2052.8	2107.2	2195.0	2270.7	2316.0	2306.1	2236.0	2144.0	2113.6
32.5°	2195.7	2201.3	2256.5	2344.3	2414.3	2450.4	2429.9	2343.6	2228.9	2194.3
35°	2379.7	2388.2	2429.2	2512.0	2573.5	2603.3	2568.6	2466.7	2337.9	2299.0
37.5°	2589.8	2584.2	2630.9	2704.5	2755.4	2773.8	2726.4	2605.4	2462.5	2416.5
40°	2809.2	2806.3	2857.3	2928.1	2955.6	2967.0	2896.9	2764.6	2606.1	2556.6
42.5°	3008.0	3005.9	3074.5	3153.1	3186.3	3173.6	3085.1	2933.7	2772.4	2715.8
45°	3167.2	3164.4	3248.6	3359.0	3424.1	3402.9	3284.0	3120.5	2940.8	2882.1
47.5°	3289.6	3291.1	3381.6	3518.2	3632.1	3639.9	3487.1	3310.9	3126.2	3059.7
50°	3378.1	3382.3	3479.3	3630.7	3786.4	3855.0	3694.4	3506.2	3317.9	3242.9
52.5°	3400.0	3407.8	3524.6	3702.2	3885.4	4016.3	3905.3	3693.7	3499.8	3428.3
55°	3283.3	3298.8	3446.7	3696.5	3946.3	4122.5	4090.6	3884.0	3683.1	3609.5
57.5°	3015.1	3037.0	3209.7	3535.9	3932.8	4195.4	4234.3	4066.6	3866.3	3795.6
60°	2639.4	2665.5	2831.1	3187.0	3743.2	4222.3	4335.5	4244.2	4034.7	3966.1
62.5°	2072.6	2106.5	2304.7	2722.1	3342.7	4097.0	4421.8	4404.8	4186.2	4100.5
65°	1329.6	1365.7	1574.4	2067.6	2808.5	3713.5	4448.7	4561.2	4346.1	4226.5
67.5°	801.7	818.0	921.3	1253.2	2052.8	3135.4	4220.8	4734.6	4532.9	4384.3
70°	513.0	522.2	583.8	735.9	1160.5	2287.7	3656.2	4767.1	4759.3	4546.3
72.5°	348.1	351.0	367.2	435.9	656.7	1299.9	2696.7	4315.7	4900.8	4755.1
75°	254.7	270.3	296.5	308.5	372.9	649.6	1545.4	3032.1	4130.3	4194.0
77.5°	189.6	190.3	226.4	240.6	266.1	346.0	653.8	1692.6	2564.3	2692.4
80°	160.6	152.1	151.4	193.9	200.3	215.8	292.2	584.5	918.5	556.9
82.5°	133.7	124.5	112.5	151.4	136.6	132.3	126.7	237.8	292.2	143.6
85°	93.4	89.2	84.9	99.1	77.8	66.5	60.9	111.1	123.1	60.9
87.5°	40.3	41.7	42.5	43.9	32.5	23.4	23.4	31.1	31.1	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1484.5
1493.7
1529.8
1591.4
1663.6
1735.0
1810.8
1868.1
1914.8
1958.6
2008.2
2059.8
2117.1
2202.8
2304.7
2424.9
2572.8
2729.9
2895.5
3079.5
3265.6
3446.7
3630.0
3811.8
3981.0
4110.5
4241.4
4395.6
4544.9
4732.4
4039.7
2401.6
421.0
122.4
53.8
17.7
0.0

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