

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: P947858

Luminaire Tested: **GALN-SB3A-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947858
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-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12453 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

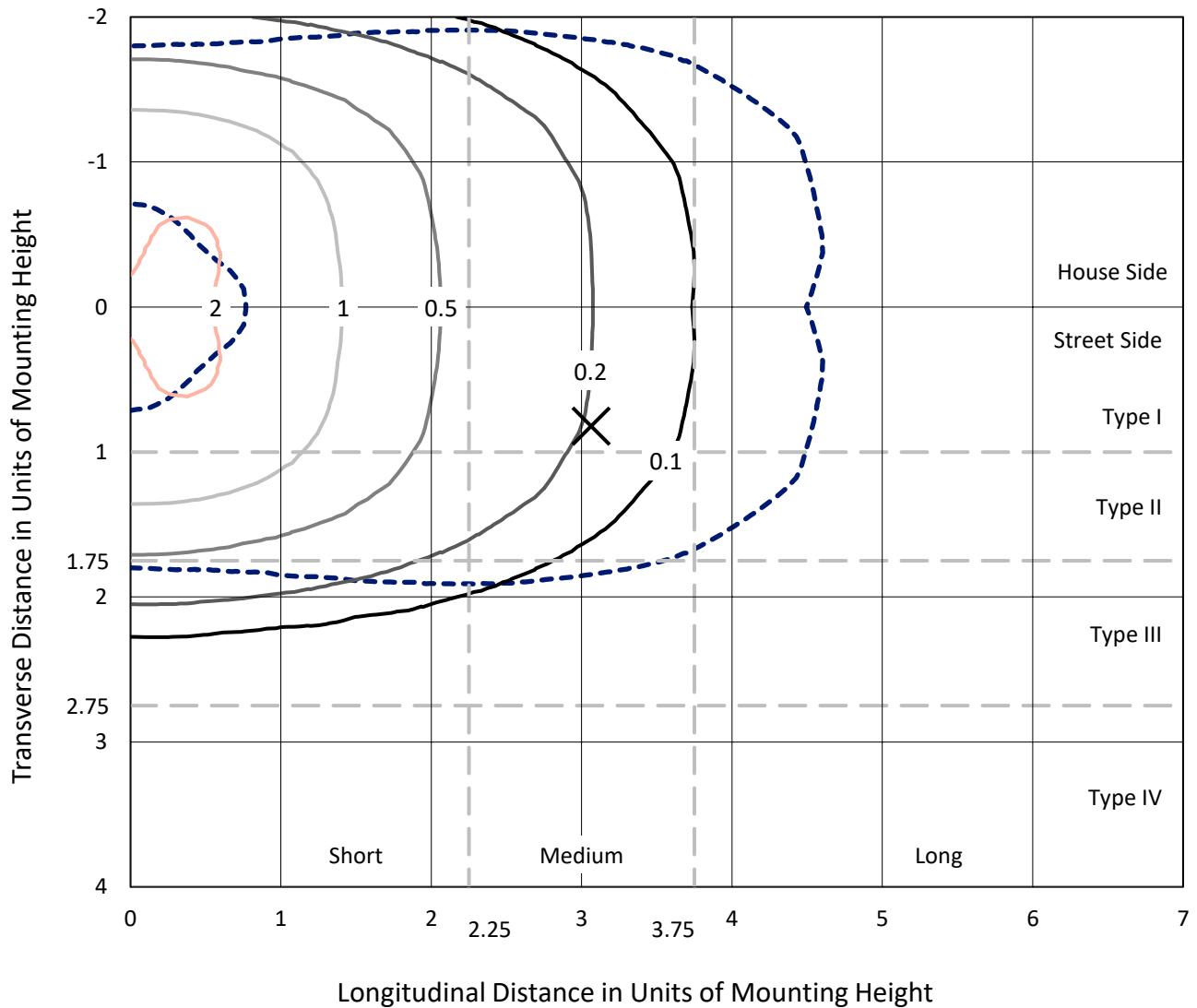
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

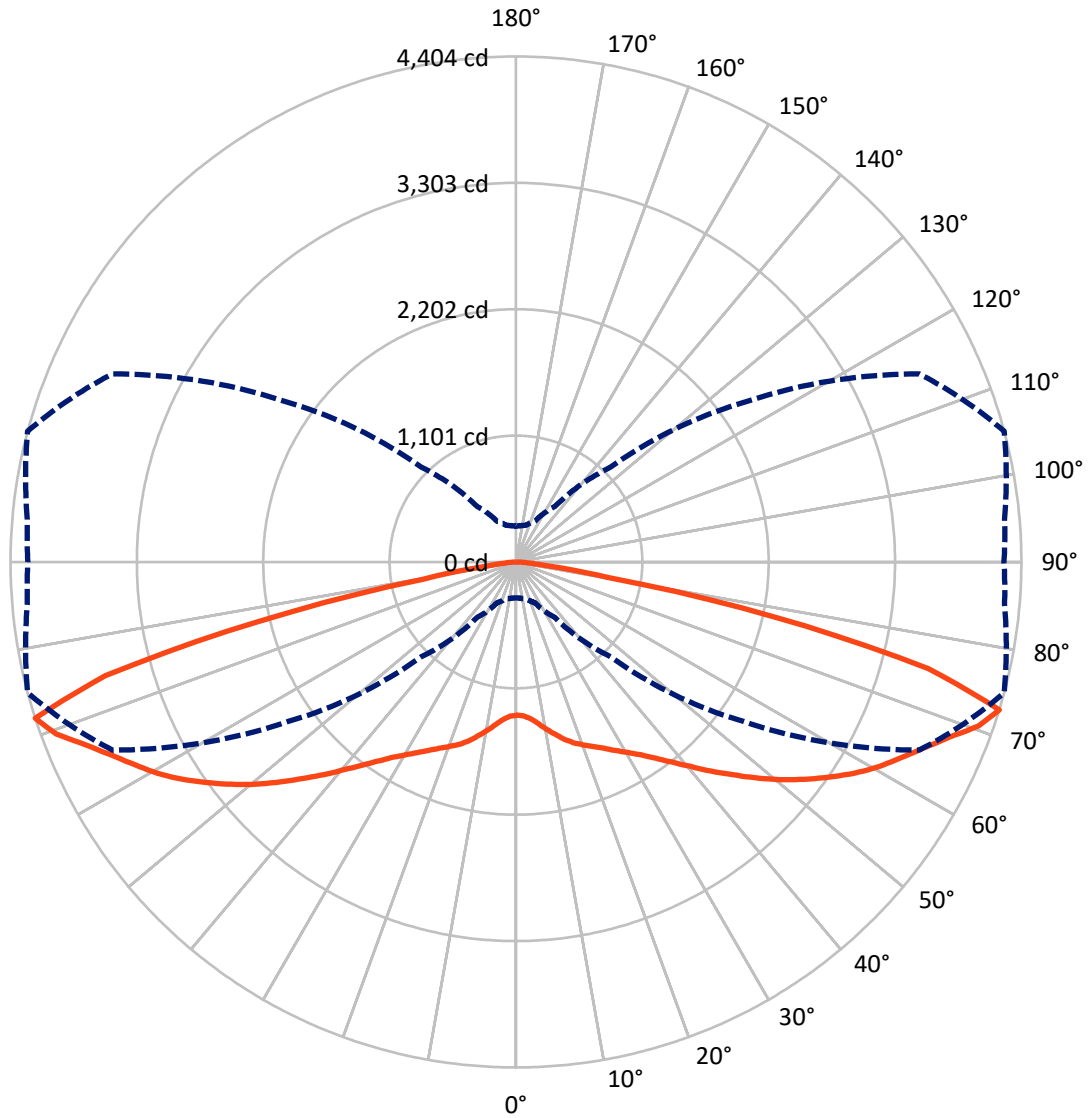
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6226.5	0.0	6226.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6226.5	0.0	6226.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12453.0	0.0	12453.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	1.0
10°-20°	431.0	3.5
20°-30°	832.8	6.7
30°-40°	1406.2	11.3
40°-50°	2230.1	17.9
50°-60°	2985.8	24.0
60°-70°	2841.5	22.8
70°-80°	1482.8	11.9
80°-90°	112.2	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°	12453.0	100.0
0°-180°	12453.0	100.0

Coefficient of Utilization



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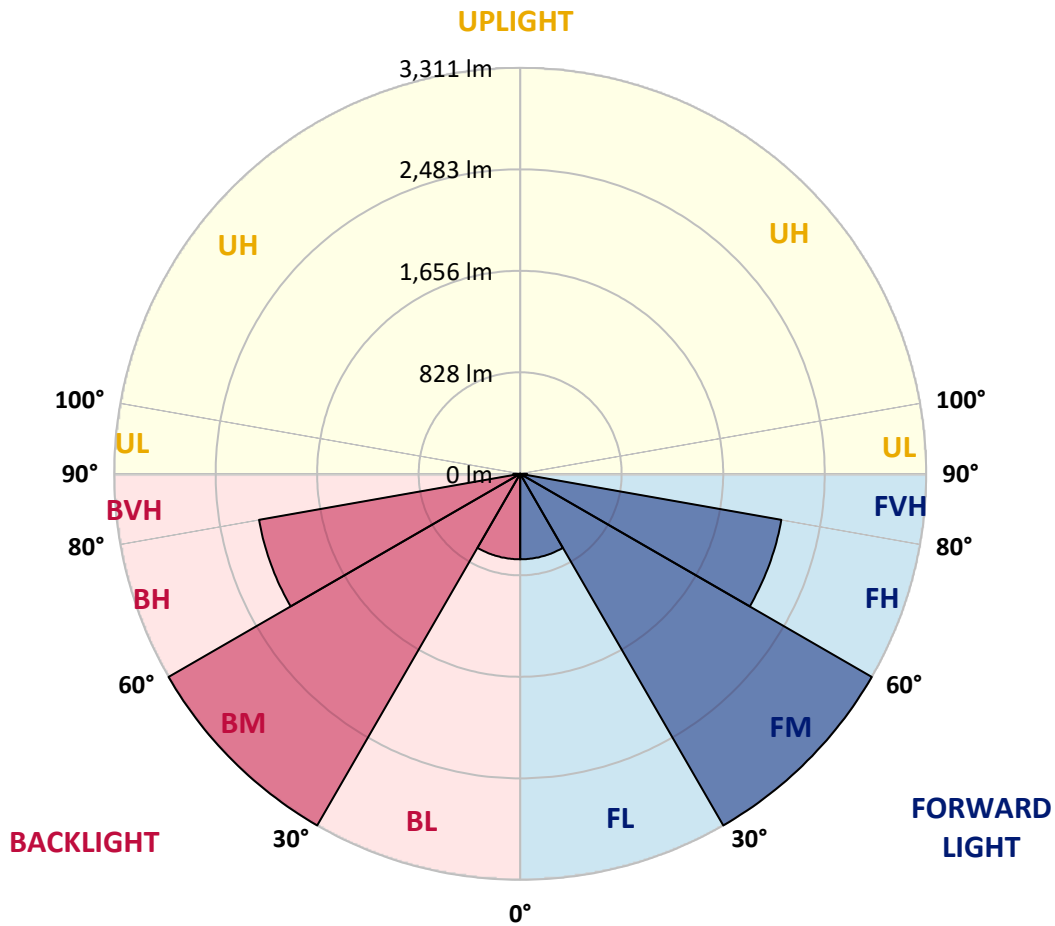
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.2	5.6			
FM (30°-60°)	3311.0	26.6			
FH (60°-80°)	2162.1	17.4			G2/5000
FVH (80°-90°)	56.1	0.5			G1/100
BL (0°-30°)	697.2	5.6	B2/1000		
BM (30°-60°)	3311.0	26.6	B3/5000		
BH (60°-80°)	2162.1	17.4	B3/2500		G3/2500
BVH (80°-90°)	56.1	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°	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9
2.5°	1333.9	1332.7	1333.9	1335.2	1334.6	1334.6	1337.8	1339.7	1343.5	1342.8
5°	1325.0	1324.4	1329.5	1335.2	1339.7	1347.3	1356.8	1363.8	1372.7	1374.6
7.5°	1320.6	1318.7	1327.6	1337.8	1351.7	1370.8	1389.3	1408.3	1423.6	1428.7
10°	1323.8	1324.4	1336.5	1355.6	1377.8	1404.5	1430.6	1463.0	1484.6	1489.7
12.5°	1338.4	1337.1	1357.5	1388.0	1418.5	1452.2	1482.7	1518.3	1541.9	1553.9
15°	1365.1	1362.6	1391.2	1436.3	1480.8	1520.2	1545.0	1578.7	1606.1	1621.3
17.5°	1396.9	1398.2	1435.7	1494.2	1552.7	1597.2	1620.7	1637.9	1658.8	1672.2
20°	1452.8	1455.4	1497.3	1566.6	1633.4	1684.3	1703.3	1697.0	1702.7	1712.9
22.5°	1527.9	1529.1	1576.2	1651.2	1721.2	1777.1	1789.8	1763.7	1747.9	1754.8
25°	1615.0	1623.2	1670.3	1747.2	1819.1	1872.5	1878.2	1838.8	1799.4	1801.3
27.5°	1721.2	1728.8	1776.5	1852.8	1925.9	1972.3	1971.7	1918.9	1861.0	1846.4
30°	1836.2	1844.5	1893.5	1972.3	2040.3	2081.0	2072.1	2009.2	1926.5	1899.2
32.5°	1972.9	1978.0	2027.6	2106.5	2169.4	2201.8	2183.4	2105.8	2002.8	1971.7
35°	2138.2	2145.9	2182.8	2257.1	2312.5	2339.2	2308.0	2216.5	2100.7	2065.8
37.5°	2327.1	2322.0	2364.0	2430.1	2475.9	2492.4	2449.8	2341.1	2212.6	2171.3
40°	2524.2	2521.6	2567.4	2631.0	2655.8	2666.0	2603.0	2484.1	2341.7	2297.2
42.5°	2702.8	2700.9	2762.6	2833.2	2863.1	2851.6	2772.2	2636.1	2491.1	2440.3
45°	2845.9	2843.4	2919.0	3018.2	3076.7	3057.6	2950.8	2803.9	2642.4	2589.7
47.5°	2955.9	2957.2	3038.6	3161.3	3263.6	3270.6	3133.3	2975.0	2809.0	2749.3
50°	3035.4	3039.2	3126.3	3262.4	3402.2	3463.9	3319.6	3150.5	2981.3	2913.9
52.5°	3055.1	3062.1	3167.0	3326.6	3491.3	3608.9	3509.1	3319.0	3144.7	3080.5
55°	2950.2	2964.2	3097.1	3321.5	3545.9	3704.3	3675.6	3490.0	3309.4	3243.3
57.5°	2709.2	2728.9	2884.1	3177.2	3533.9	3769.7	3804.7	3654.0	3474.1	3410.5
60°	2371.6	2395.1	2543.9	2863.7	3363.5	3793.9	3895.6	3813.6	3625.4	3563.7
62.5°	1862.3	1892.8	2070.8	2446.0	3003.6	3681.4	3973.2	3957.9	3761.5	3684.5
65°	1194.7	1227.1	1414.7	1857.9	2523.5	3336.8	3997.4	4098.5	3905.2	3797.7
67.5°	720.4	735.0	827.8	1126.0	1844.5	2817.3	3792.6	4254.2	4073.0	3939.5
70°	461.0	469.2	524.5	661.2	1042.7	2055.6	3285.3	4283.5	4276.5	4085.1
72.5°	312.8	315.4	330.0	391.7	590.0	1168.0	2423.1	3877.8	4403.7	4272.7
75°	228.9	242.9	266.4	277.2	335.1	583.7	1388.6	2724.5	3711.3	3768.5
77.5°	170.4	171.0	203.5	216.2	239.1	310.9	587.5	1520.9	2304.2	2419.3
80°	144.3	136.7	136.1	174.2	179.9	193.9	262.6	525.2	825.3	500.4
82.5°	120.2	111.9	101.1	136.1	122.7	118.9	113.8	213.6	262.6	129.1
85°	83.9	80.1	76.3	89.0	69.9	59.8	54.7	99.8	110.6	54.7
87.5°	36.2	37.5	38.1	39.4	29.2	21.0	21.0	28.0	28.0	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1333.9
1342.2
1374.6
1429.9
1494.8
1559.0
1627.0
1678.6
1720.5
1759.9
1804.4
1850.9
1902.4
1979.3
2070.8
2178.9
2311.8
2453.0
2601.8
2767.1
2934.3
3097.1
3261.7
3425.1
3577.1
3693.4
3811.1
3949.7
4083.8
4252.3
3629.9
2158.0
378.3
110.0
48.3
15.9
0.0

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