

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: P947854

Luminaire Tested: **GALN-SB3A-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947854
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-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12665 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

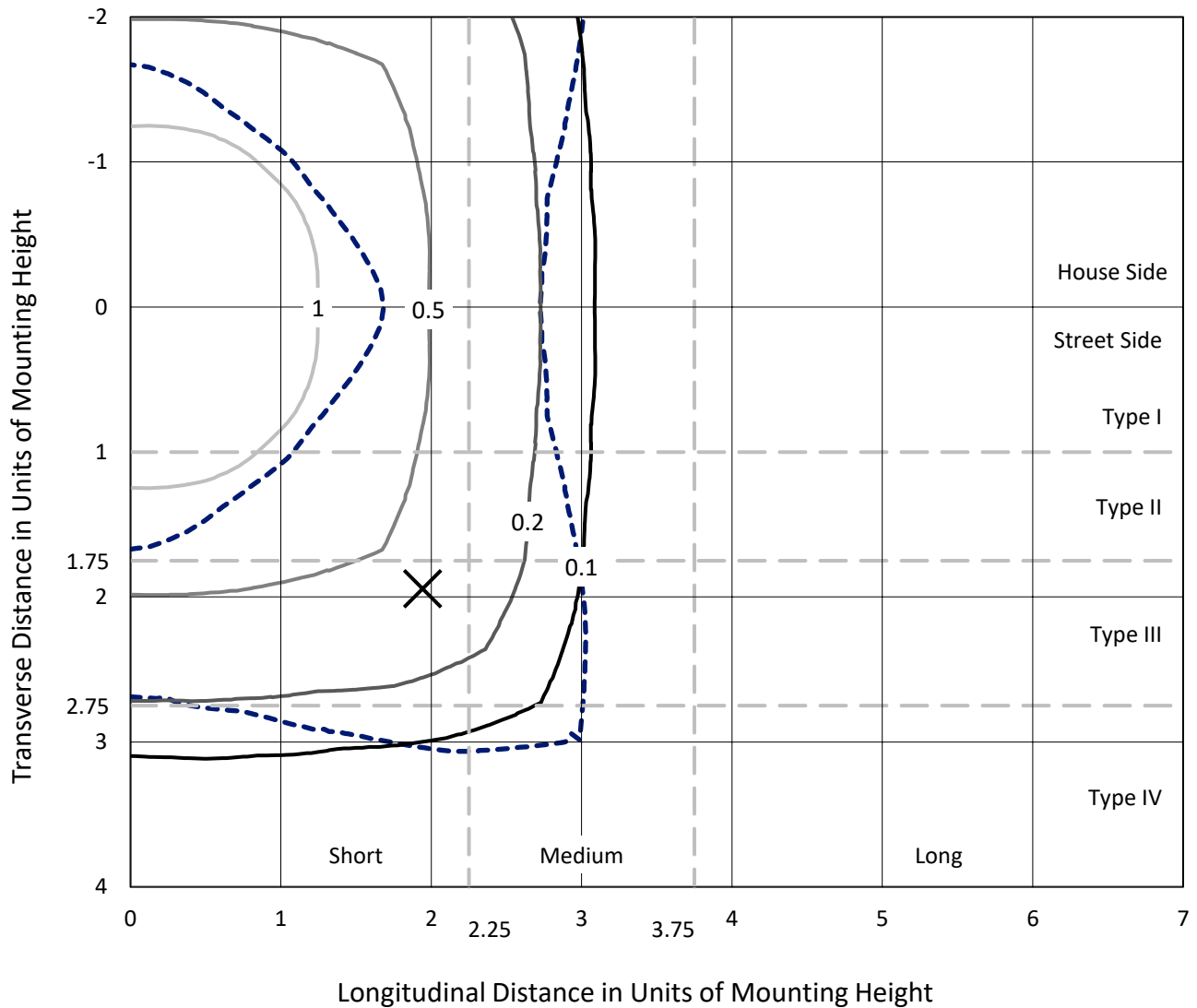
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

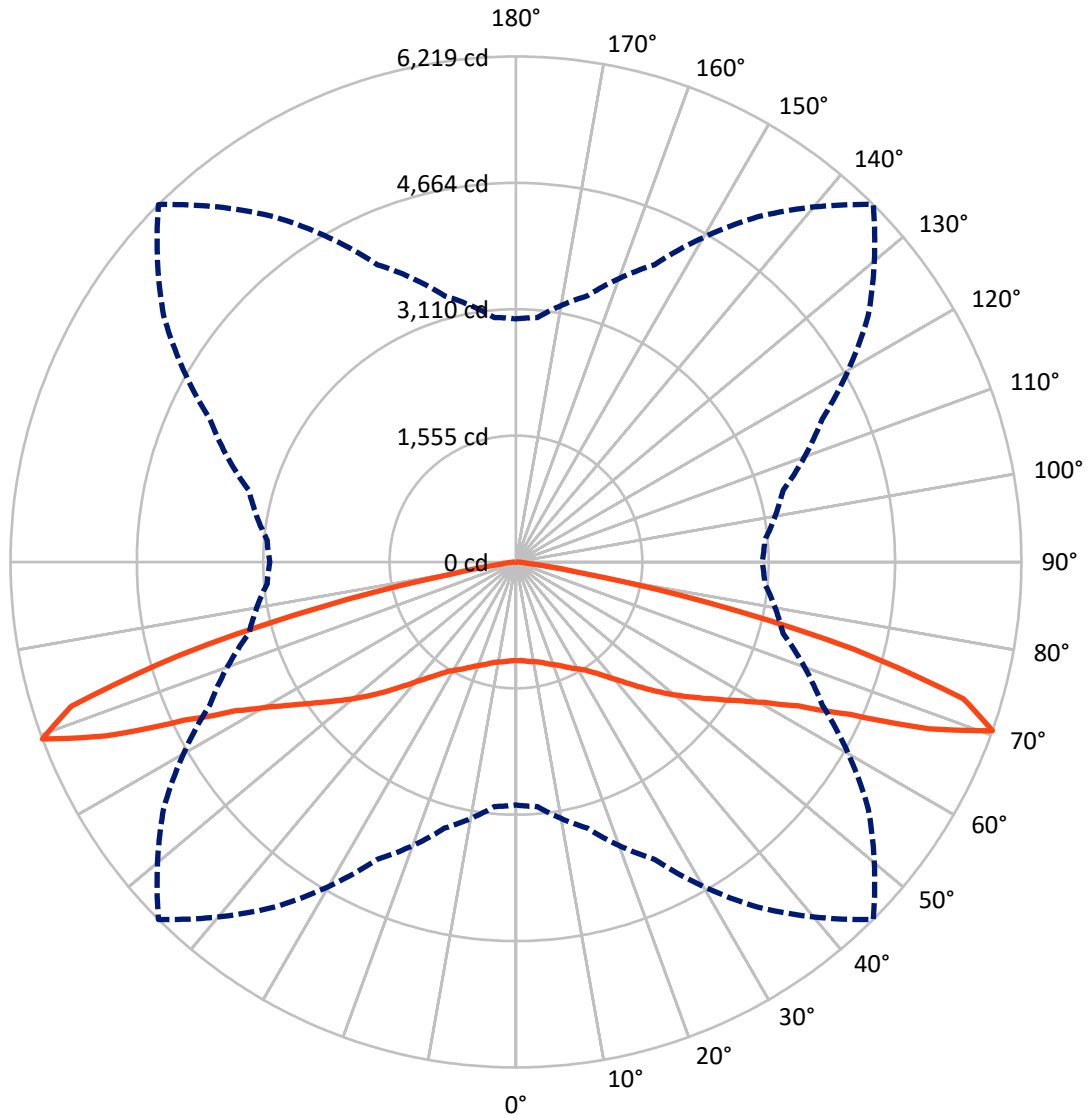
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	6332.5	0.0	6332.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6332.5	0.0	6332.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12665.0	0.0	12665.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	0.9
10°-20°	365.5	2.9
20°-30°	653.1	5.2
30°-40°	1058.7	8.4
40°-50°	1724.5	13.6
50°-60°	2629.3	20.8
60°-70°	3911.5	30.9
70°-80°	2131.9	16.8
80°-90°	72.6	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°	12665.0	100.0
0°-180°	12665.0	100.0

Coefficient of Utilization



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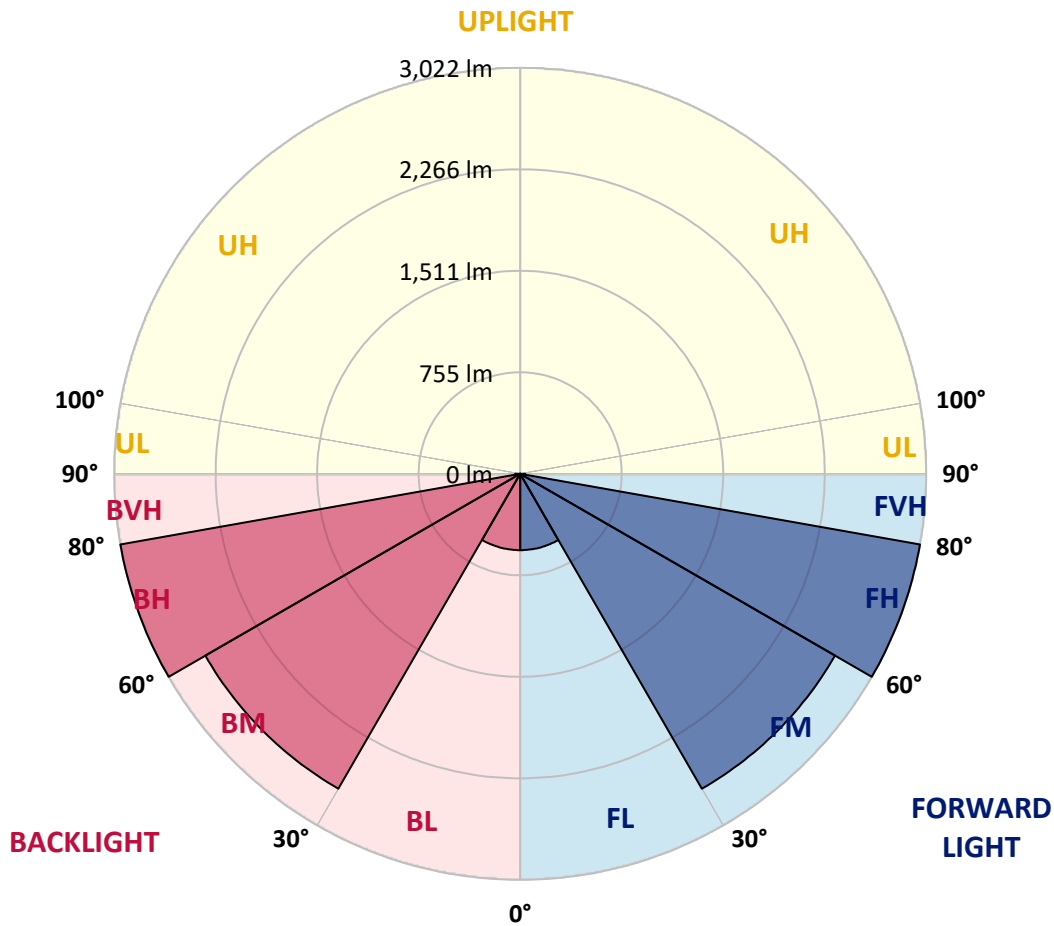
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	568.2	4.5			
FM (30°-60°)	2706.3	21.4			
FH (60°-80°)	3021.7	23.9			G2/5000
FVH (80°-90°)	36.3	0.3			G1/100
BL (0°-30°)	568.2	4.5	B2/1000		
BM (30°-60°)	2706.3	21.4	B3/5000		
BH (60°-80°)	3021.7	23.9	B4/5000		G2/5000
BVH (80°-90°)	36.3	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°	1213.2	1213.2	1213.2	1213.2	1213.2	1213.2	1213.2	1213.2	1213.2	1213.2
2.5°	1218.9	1220.2	1217.6	1216.4	1215.1	1213.2	1213.8	1217.0	1219.5	1218.9
5°	1229.1	1230.3	1228.4	1227.8	1225.3	1224.6	1224.6	1227.8	1229.7	1228.4
7.5°	1240.5	1242.4	1239.2	1238.6	1237.3	1236.1	1235.4	1238.6	1240.5	1240.5
10°	1251.3	1253.2	1250.7	1248.8	1247.5	1247.5	1246.2	1248.8	1252.0	1251.3
12.5°	1262.8	1264.0	1261.5	1260.2	1260.2	1262.1	1260.2	1261.5	1264.0	1262.8
15°	1276.8	1277.4	1276.8	1278.7	1281.8	1288.2	1282.5	1281.2	1282.5	1279.3
17.5°	1295.8	1297.1	1299.6	1304.1	1308.6	1320.0	1309.8	1306.6	1306.6	1300.3
20°	1319.4	1321.3	1325.1	1332.7	1338.4	1349.2	1339.1	1334.6	1332.7	1324.4
22.5°	1344.2	1347.3	1353.1	1363.2	1373.4	1383.6	1373.4	1365.8	1360.1	1349.2
25°	1372.8	1376.6	1385.5	1402.0	1416.0	1430.6	1418.6	1403.3	1391.8	1376.6
27.5°	1413.5	1417.9	1428.7	1449.1	1466.9	1479.6	1468.1	1448.4	1432.5	1414.1
30°	1470.7	1475.1	1487.9	1509.5	1521.6	1529.8	1522.2	1506.9	1487.9	1466.9
32.5°	1544.4	1550.2	1564.2	1584.5	1587.0	1588.3	1585.8	1578.1	1564.2	1538.7
35°	1637.9	1644.3	1660.2	1676.7	1674.2	1676.7	1672.9	1670.3	1660.2	1630.9
37.5°	1752.4	1760.0	1776.5	1789.2	1782.9	1779.7	1780.3	1781.0	1775.3	1742.8
40°	1885.3	1895.4	1907.5	1920.9	1910.1	1900.5	1906.9	1912.0	1906.9	1873.8
42.5°	2022.0	2036.6	2049.3	2068.4	2059.5	2047.4	2056.3	2062.0	2051.2	2015.6
45°	2173.9	2187.9	2204.4	2233.1	2226.7	2214.0	2226.7	2228.0	2209.5	2167.6
47.5°	2331.0	2345.6	2370.4	2408.5	2406.0	2392.0	2408.5	2399.6	2376.1	2325.9
50°	2479.8	2500.1	2538.3	2591.7	2596.8	2579.6	2601.8	2584.7	2545.3	2482.3
52.5°	2619.6	2641.3	2701.7	2774.2	2792.6	2770.3	2800.2	2770.3	2711.2	2630.5
55°	2766.5	2790.7	2862.5	2957.3	2994.2	2977.6	3005.6	2960.5	2876.5	2778.6
57.5°	2939.5	2954.1	3039.9	3152.5	3214.8	3218.6	3231.3	3155.0	3053.3	2942.0
60°	3127.0	3147.4	3240.9	3375.7	3474.2	3506.0	3492.6	3379.5	3261.2	3133.4
62.5°	3367.4	3389.6	3501.6	3663.1	3818.8	3897.7	3845.5	3681.5	3535.3	3382.0
65°	3566.4	3591.2	3793.4	4081.4	4365.0	4523.3	4392.4	4090.3	3827.1	3610.9
67.5°	3422.1	3452.6	3769.9	4298.9	5004.0	5476.5	5028.2	4363.7	3848.1	3555.0
70°	2991.0	3019.6	3389.6	4036.3	5184.0	6219.1	5292.1	4155.2	3401.7	3073.6
72.5°	1985.7	2077.9	2452.4	3228.1	4628.9	5755.0	4674.7	3162.7	2275.0	1981.3
75°	658.7	732.5	988.1	1673.5	3100.3	4304.0	2951.6	1480.9	782.7	563.4
77.5°	166.0	191.4	263.9	478.8	1236.7	2450.5	1113.3	391.0	213.0	148.8
80°	80.8	89.0	127.2	159.6	309.7	778.9	290.6	150.1	100.5	77.6
82.5°	44.5	45.1	71.8	90.3	115.1	201.6	119.5	87.7	57.9	47.1
85°	27.3	26.7	38.2	48.3	48.3	71.8	57.2	48.3	33.1	29.2
87.5°	10.8	10.8	14.0	15.3	13.4	18.4	14.6	15.9	12.7	12.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1213.2
1219.5
1229.1
1240.5
1251.3
1262.1
1279.3
1300.3
1324.4
1348.6
1376.0
1413.5
1466.9
1539.4
1630.9
1742.8
1873.8
2018.1
2172.0
2322.7
2481.0
2622.8
2765.3
2926.8
3113.1
3355.3
3575.3
3511.1
3029.8
1917.0
532.8
132.9
71.2
47.1
30.5
12.7
0.0

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