

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: P947855

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12673 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

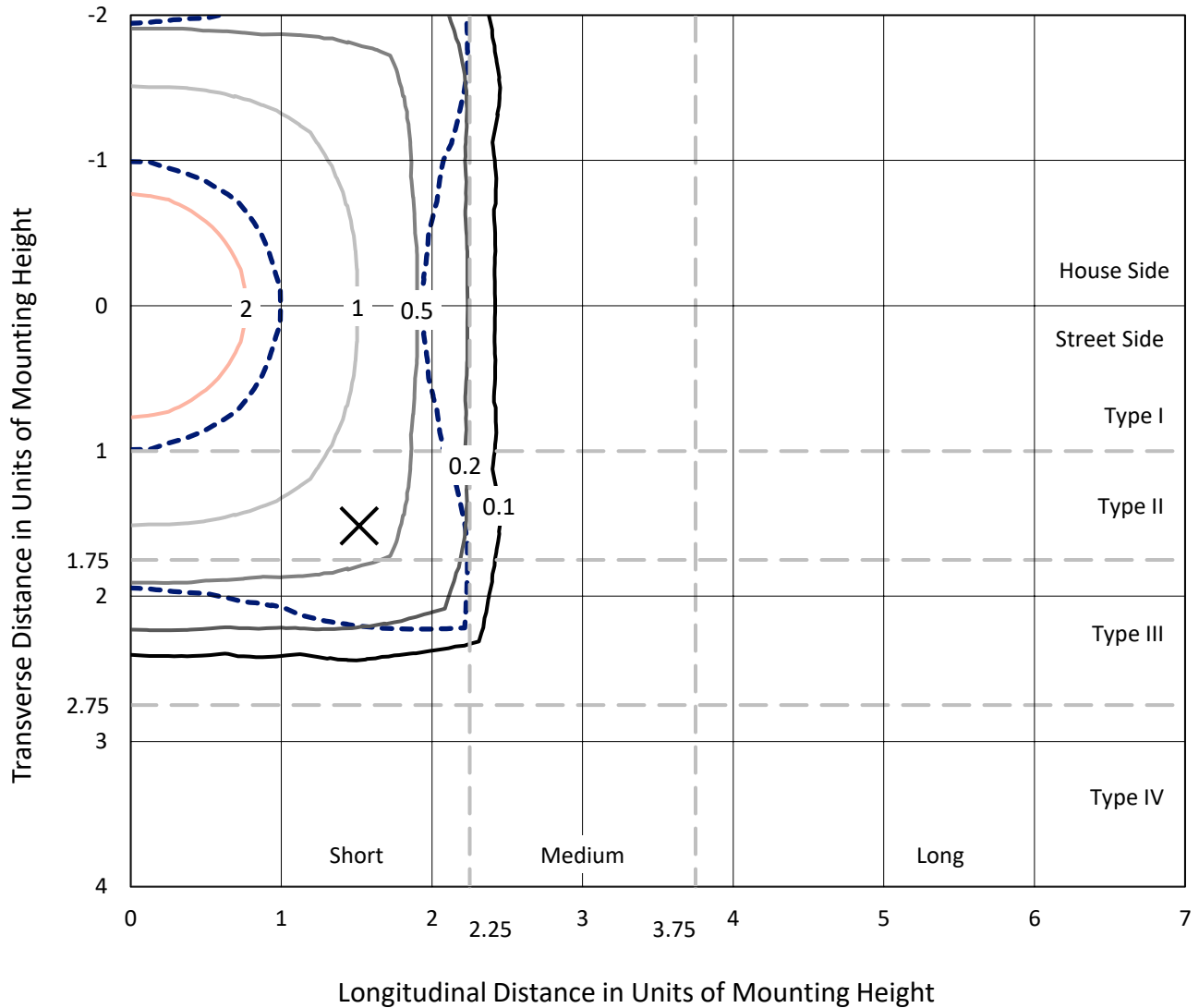
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

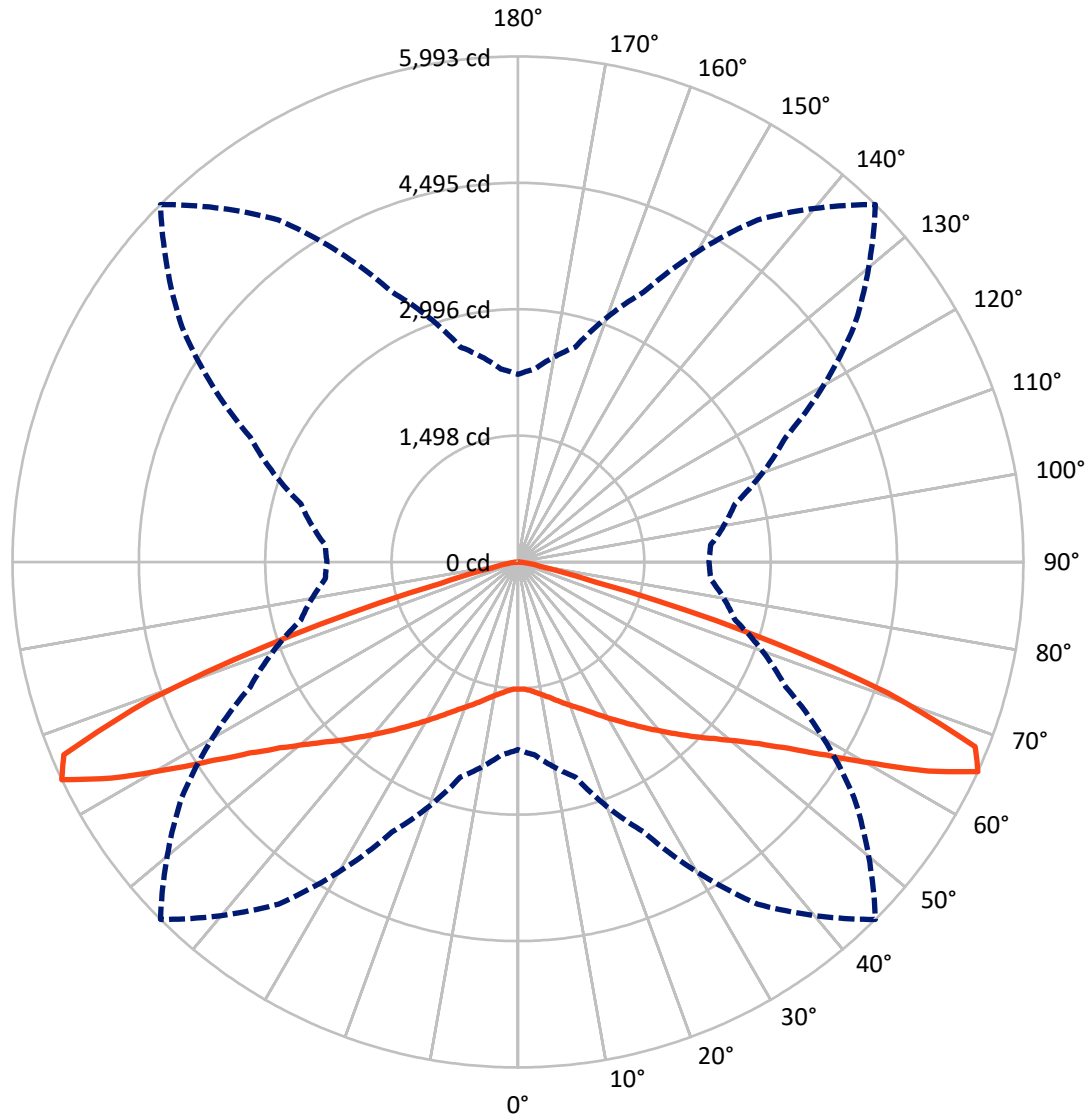
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6336.5	0.0	6336.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6336.5	0.0	6336.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12673.0	0.0	12673.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.8	1.2
10°-20°	485.7	3.8
20°-30°	917.0	7.2
30°-40°	1501.6	11.8
40°-50°	2328.3	18.4
50°-60°	3439.4	27.1
60°-70°	3274.0	25.8
70°-80°	528.3	4.2
80°-90°	49.8	0.4
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°	12673.0	100.0
0°-180°	12673.0	100.0



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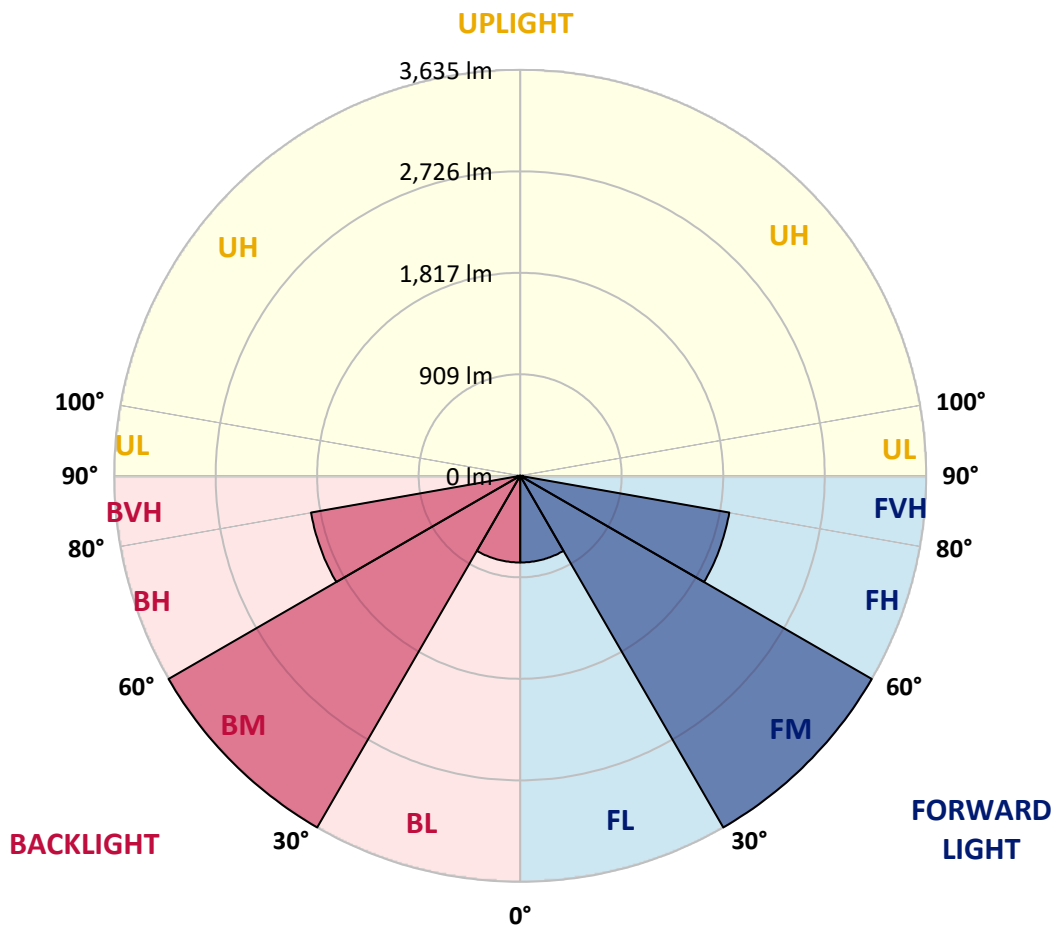
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	775.8	6.1			
FM (30°-60°)	3634.7	28.7			
FH (60°-80°)	1901.1	15.0			G2/5000
FVH (80°-90°)	24.9	0.2			G1/100
BL (0°-30°)	775.8	6.1	B2/1000		
BM (30°-60°)	3634.7	28.7	B3/5000		
BH (60°-80°)	1901.1	15.0	B3/2500		G2/5000
BVH (80°-90°)	24.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1508.2	1508.2	1508.2	1508.2	1508.2	1508.2	1508.2	1508.2	1508.2	1508.2
2.5°	1518.4	1513.3	1517.1	1513.9	1511.4	1508.8	1510.1	1514.6	1516.5	1517.1
5°	1538.7	1534.3	1536.2	1536.2	1531.7	1530.5	1531.1	1534.3	1538.1	1538.1
7.5°	1571.8	1567.3	1571.8	1569.3	1565.4	1564.2	1563.5	1566.1	1571.8	1571.8
10°	1611.9	1606.8	1609.3	1608.0	1603.6	1601.7	1601.0	1604.9	1609.9	1609.3
12.5°	1655.7	1650.0	1653.2	1649.4	1648.1	1646.2	1646.2	1645.6	1648.7	1646.2
15°	1704.7	1700.9	1702.1	1699.6	1701.5	1700.2	1695.2	1692.6	1693.9	1690.1
17.5°	1762.5	1753.6	1758.1	1756.8	1756.8	1759.4	1751.1	1747.9	1750.5	1746.7
20°	1829.3	1820.4	1822.3	1819.8	1816.6	1819.1	1809.0	1811.5	1813.4	1810.9
22.5°	1902.4	1891.0	1890.4	1891.6	1884.6	1885.3	1878.3	1884.6	1888.4	1881.5
25°	1977.5	1965.4	1973.6	1970.5	1961.6	1963.5	1958.4	1964.7	1967.9	1959.0
27.5°	2056.9	2048.7	2056.3	2058.2	2047.4	2055.0	2047.4	2053.1	2056.3	2043.0
30°	2149.8	2141.5	2148.5	2153.6	2140.9	2153.0	2146.6	2150.4	2151.0	2135.2
32.5°	2250.9	2238.2	2256.0	2258.5	2244.5	2259.1	2250.9	2256.0	2259.1	2237.5
35°	2374.2	2358.3	2378.7	2375.5	2363.4	2375.5	2367.9	2375.5	2383.1	2357.1
37.5°	2507.1	2490.6	2512.2	2506.5	2495.0	2503.3	2498.9	2503.9	2516.0	2488.0
40°	2653.4	2633.0	2662.3	2652.1	2641.3	2640.0	2642.6	2645.7	2661.6	2630.5
42.5°	2809.8	2788.2	2832.0	2816.1	2800.9	2790.7	2799.0	2805.3	2820.6	2785.6
45°	2988.5	2963.7	3020.9	3001.8	2977.6	2956.7	2970.0	2979.5	3001.8	2959.8
47.5°	3185.6	3157.6	3218.6	3212.9	3173.5	3127.7	3158.2	3185.6	3202.1	3151.2
50°	3378.2	3356.6	3436.7	3443.7	3395.4	3331.2	3373.8	3415.1	3419.6	3352.8
52.5°	3558.8	3537.2	3653.5	3697.4	3654.2	3577.9	3623.0	3665.0	3631.3	3544.8
55°	3703.1	3685.3	3833.5	3946.7	3961.3	3898.3	3925.0	3923.8	3813.1	3680.2
57.5°	3738.1	3735.6	3922.5	4162.2	4314.8	4322.4	4269.7	4134.9	3896.4	3717.8
60°	3579.1	3595.0	3851.9	4274.8	4681.7	4850.8	4622.6	4237.9	3801.7	3553.7
62.5°	3103.5	3145.5	3455.2	4137.4	4978.0	5458.7	4905.5	4081.5	3412.6	3088.9
65°	2224.2	2297.3	2639.4	3530.8	4951.3	5992.8	4864.8	3502.2	2664.8	2291.6
67.5°	1009.1	1083.5	1374.1	2417.5	4304.0	5847.8	4293.8	2442.9	1442.7	1087.3
70°	365.6	378.3	471.8	967.7	2750.6	4659.4	2868.3	974.7	501.7	403.1
72.5°	221.3	223.2	242.9	346.5	955.7	2828.9	996.4	358.0	248.0	220.0
75°	140.5	139.2	172.9	211.7	338.9	954.4	355.4	211.7	172.3	157.1
77.5°	101.1	104.3	124.0	158.3	213.6	323.6	209.8	151.3	124.0	101.7
80°	75.7	77.6	90.3	123.4	150.1	201.6	133.5	111.9	93.5	63.6
82.5°	54.7	54.7	59.1	89.7	91.6	108.7	72.5	78.8	61.7	45.1
85°	32.4	31.8	36.9	53.4	47.7	40.1	33.1	48.3	38.8	28.0
87.5°	11.4	12.1	11.4	15.3	12.7	10.8	10.2	13.4	10.8	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1508.2
1517.1
1538.1
1569.9
1608.0
1647.5
1690.7
1749.8
1816.6
1888.4
1969.2
2053.1
2144.7
2252.1
2373.0
2505.2
2640.6
2804.1
2981.5
3168.4
3361.1
3547.4
3684.7
3706.3
3524.5
3069.8
2264.2
1071.4
398.0
223.8
158.3
103.6
65.5
45.1
27.3
8.9
0.0

OF REPORT)