

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: P939130

Luminaire Tested: **GALN-SB1C-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6809 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

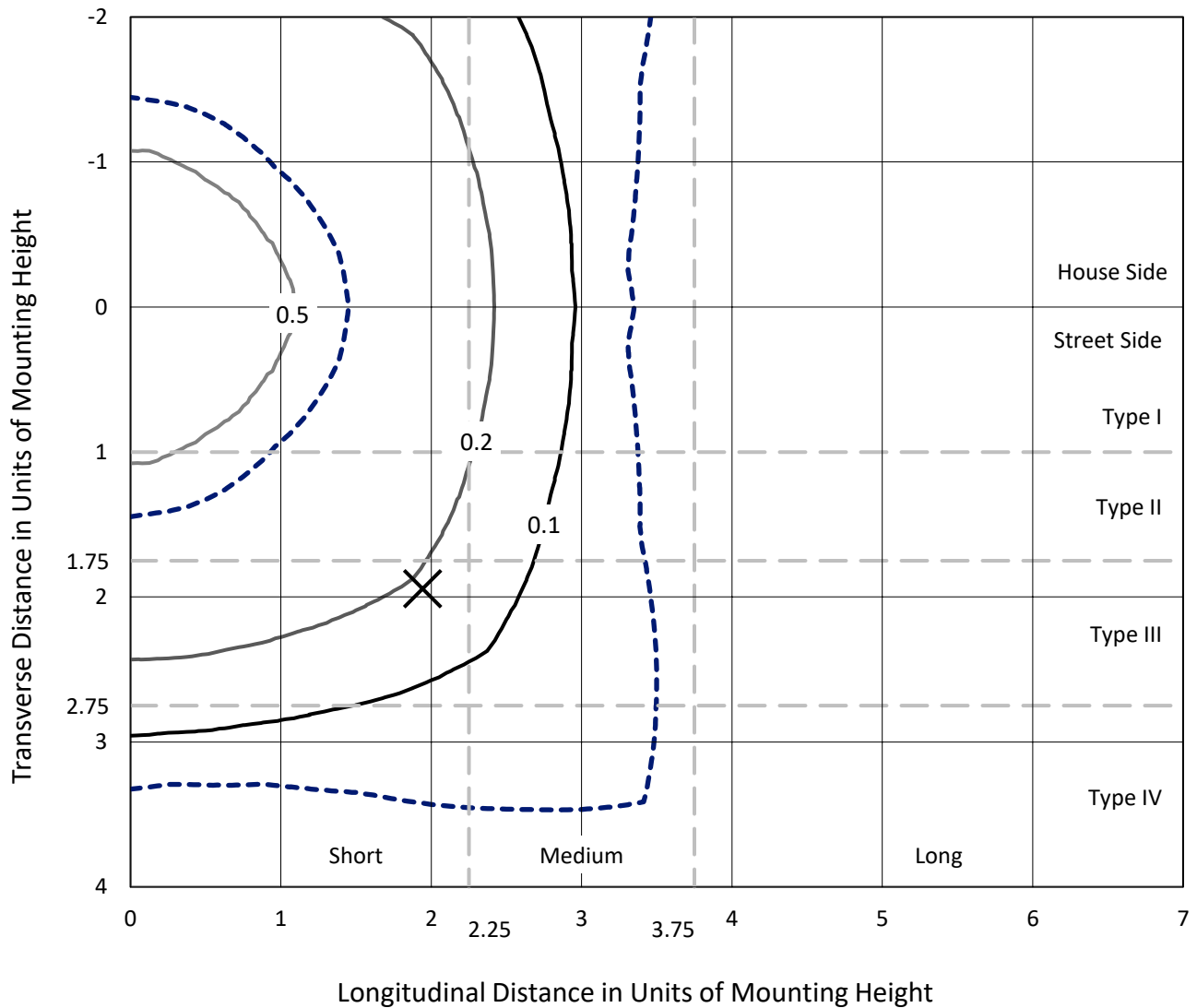
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

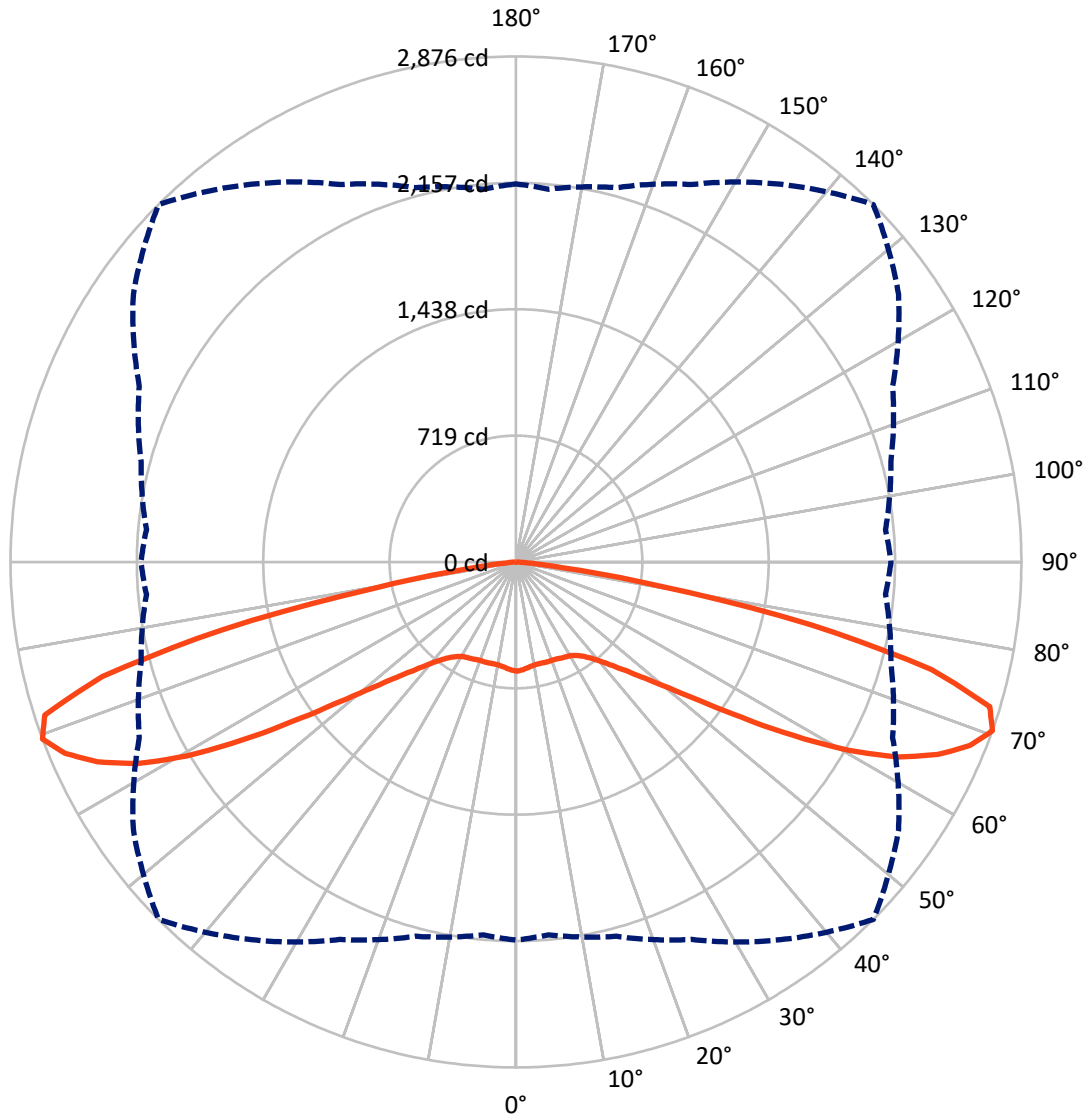
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	3404.5	0.0	3404.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3404.5	0.0	3404.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6809.0	0.0	6809.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	0.8
10°-20°	169.7	2.5
20°-30°	282.3	4.1
30°-40°	427.0	6.3
40°-50°	709.5	10.4
50°-60°	1338.8	19.7
60°-70°	2260.6	33.2
70°-80°	1485.5	21.8
80°-90°	77.8	1.1
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°	6809.0	100.0
0°-180°	6809.0	100.0

Coefficient of Utilization

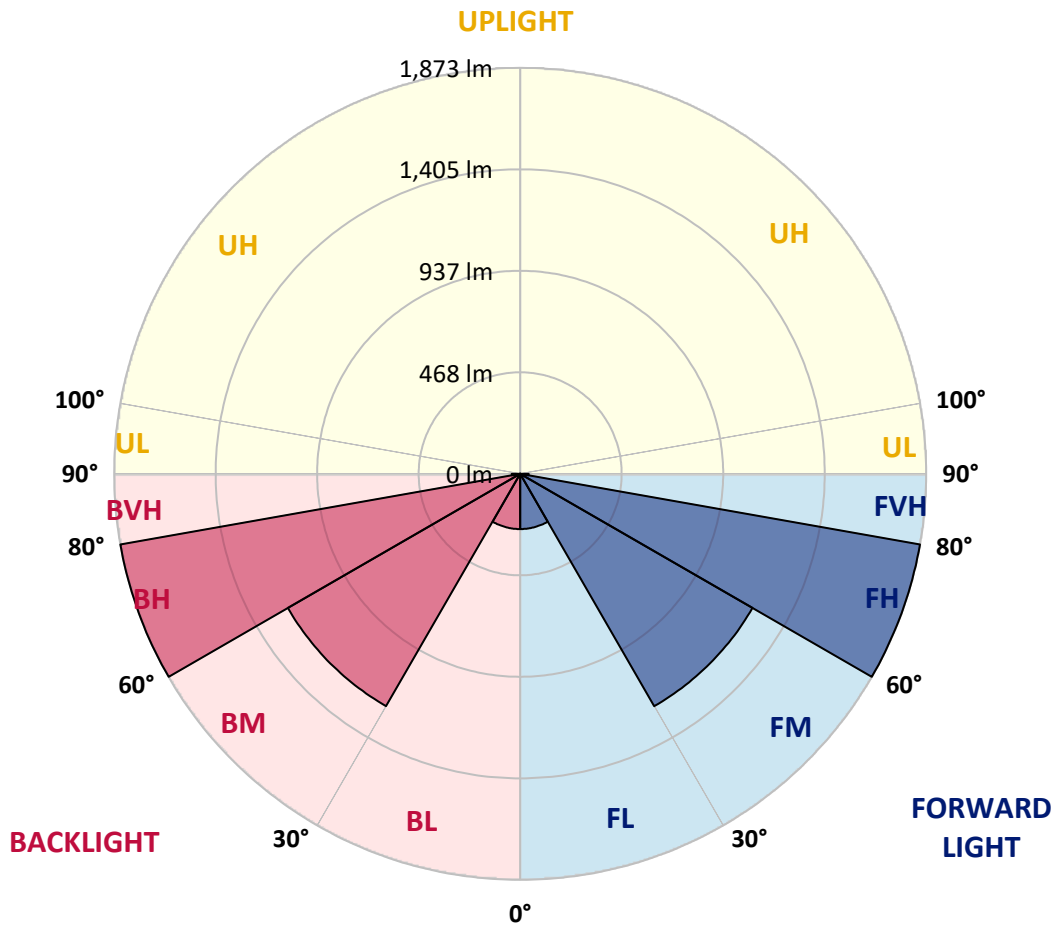


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.9	3.7			
FM (30°-60°)	1237.6	18.2			
FH (60°-80°)	1873.1	27.5			G2/5000
FVH (80°-90°)	38.9	0.6			G1/100
BL (0°-30°)	254.9	3.7	B1/500		
BM (30°-60°)	1237.6	18.2	B2/2500		
BH (60°-80°)	1873.1	27.5	B3/2500		G2/5000
BVH (80°-90°)	38.9	0.6			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°	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1	621.1
2.5°	617.2	619.0	618.3	616.9	616.9	615.8	616.9	617.6	618.6	619.3
5°	609.1	610.5	610.1	609.1	609.4	608.4	609.1	610.1	610.9	611.2
7.5°	602.0	603.4	602.7	600.9	600.9	599.9	600.2	601.3	602.4	602.7
10°	600.2	601.7	599.5	596.7	595.6	594.2	594.6	595.6	597.8	598.8
12.5°	600.9	602.0	599.9	595.6	594.6	593.2	593.2	594.2	597.1	598.5
15°	603.1	604.1	600.9	596.3	595.3	594.2	593.9	595.3	598.5	600.9
17.5°	607.0	608.0	603.1	596.7	595.3	595.6	595.3	596.3	601.3	605.9
20°	610.5	611.2	604.5	596.7	595.3	595.6	595.3	597.4	603.8	610.1
22.5°	611.6	612.3	605.9	599.2	598.1	598.5	598.1	600.2	606.3	612.6
25°	611.9	613.0	608.0	602.7	604.5	605.2	604.5	604.8	609.4	615.1
27.5°	617.2	618.6	614.0	609.4	610.5	610.1	611.2	612.3	615.8	621.5
30°	628.2	629.3	625.4	620.8	620.1	617.6	620.8	624.3	628.2	633.2
32.5°	646.2	648.4	643.4	638.5	635.3	633.9	636.3	642.4	647.7	653.0
35°	676.3	677.7	673.1	663.9	658.3	658.3	660.4	668.2	676.7	683.4
37.5°	718.8	720.6	712.4	701.5	693.0	693.0	695.8	703.9	716.7	726.2
40°	770.5	772.9	762.7	751.4	743.2	741.8	745.3	754.5	766.6	778.6
42.5°	832.8	835.6	822.1	812.2	805.9	805.9	807.6	816.1	827.1	842.0
45°	912.4	917.3	898.9	889.0	883.0	884.4	885.5	892.9	902.8	919.8
47.5°	1007.2	1012.2	992.7	982.5	981.4	988.1	983.9	989.2	994.5	1014.0
50°	1114.8	1123.3	1109.9	1109.2	1111.3	1123.7	1113.8	1116.6	1110.6	1123.0
52.5°	1246.5	1258.9	1256.4	1260.6	1284.4	1309.8	1287.2	1277.3	1254.6	1258.5
55°	1406.1	1424.9	1428.4	1453.9	1507.7	1559.7	1511.6	1471.6	1423.4	1414.6
57.5°	1587.7	1602.5	1619.5	1671.5	1772.0	1864.4	1772.0	1683.6	1607.8	1589.8
60°	1783.0	1801.4	1817.7	1894.5	2043.8	2173.7	2041.0	1900.5	1800.4	1775.9
62.5°	1992.9	2016.6	2027.9	2113.2	2287.3	2442.4	2289.8	2119.6	2008.5	1982.3
65°	2194.3	2213.7	2226.5	2317.4	2483.8	2639.1	2495.1	2327.3	2213.0	2178.7
67.5°	2288.0	2298.7	2329.8	2432.8	2608.3	2785.7	2638.1	2443.8	2316.0	2255.8
70°	2150.7	2129.1	2204.2	2369.1	2623.2	2875.5	2657.2	2364.1	2207.7	2110.0
72.5°	1662.0	1624.8	1755.1	2037.1	2453.3	2818.2	2470.3	2053.1	1836.1	1637.9
75°	904.2	862.1	1041.9	1398.7	1956.4	2442.7	2001.4	1438.7	1160.1	897.5
77.5°	255.2	239.2	384.3	676.7	1176.8	1715.1	1222.1	691.5	455.8	270.4
80°	78.2	75.7	102.6	203.9	499.7	821.4	480.3	206.3	130.6	82.5
82.5°	46.4	42.5	51.0	74.3	127.4	258.0	123.9	77.5	62.3	41.8
85°	26.5	24.8	30.1	36.1	42.8	54.9	35.7	36.8	33.3	22.3
87.5°	11.0	9.9	11.7	11.3	9.9	12.7	9.6	11.3	13.4	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
621.1
619.0
611.2
602.7
598.8
598.8
601.3
605.9
610.5
612.6
614.7
620.1
632.1
650.8
680.9
722.7
774.7
840.9
919.1
1008.3
1115.5
1245.4
1400.8
1577.0
1754.7
1961.0
2161.7
2256.6
2133.4
1687.1
955.9
300.5
87.1
45.3
23.4
8.1
0.0

OF REPORT)