

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: P942190

Luminaire Tested: **GALN-SB6A-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942190
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-SB6A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24724 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

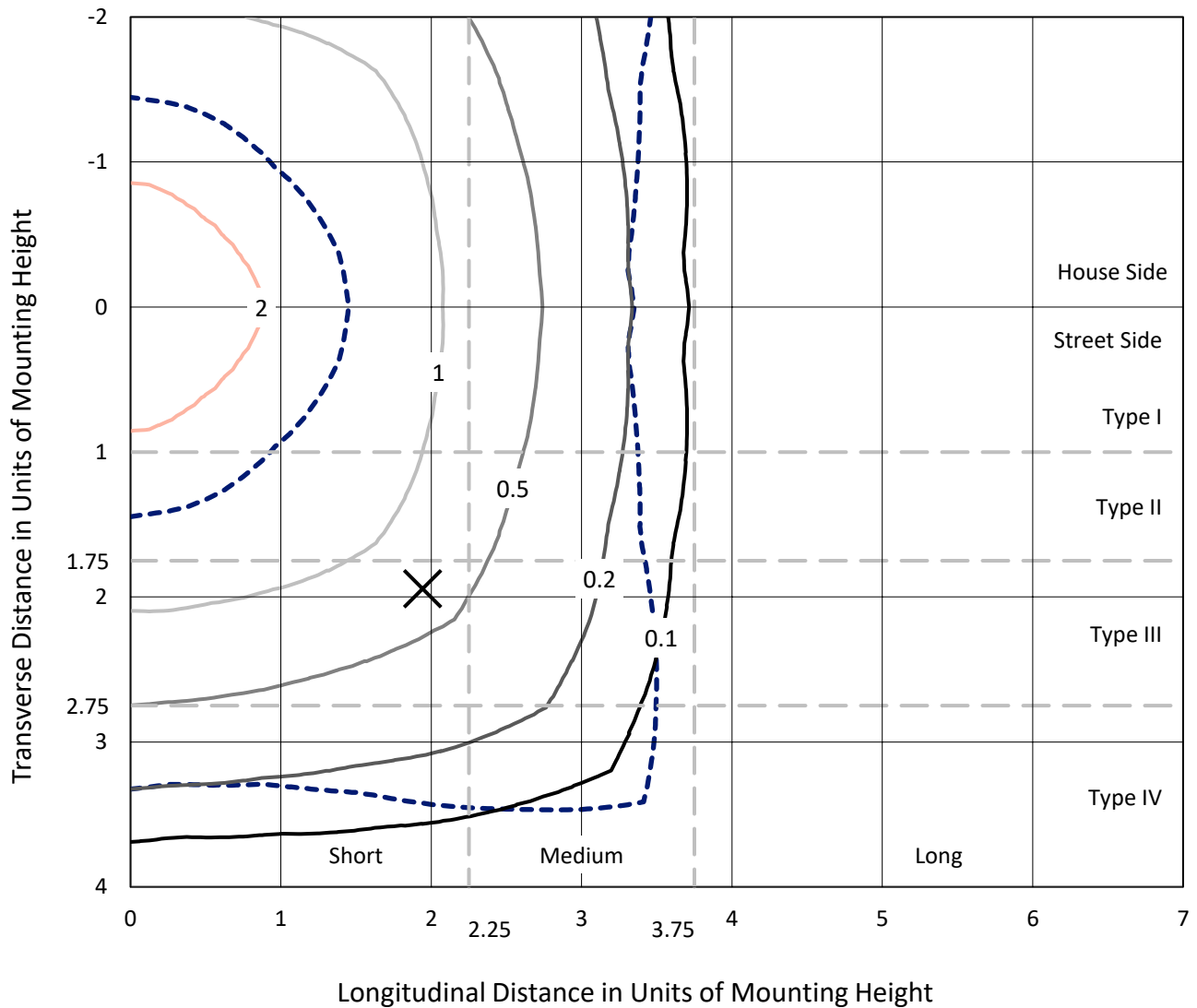
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

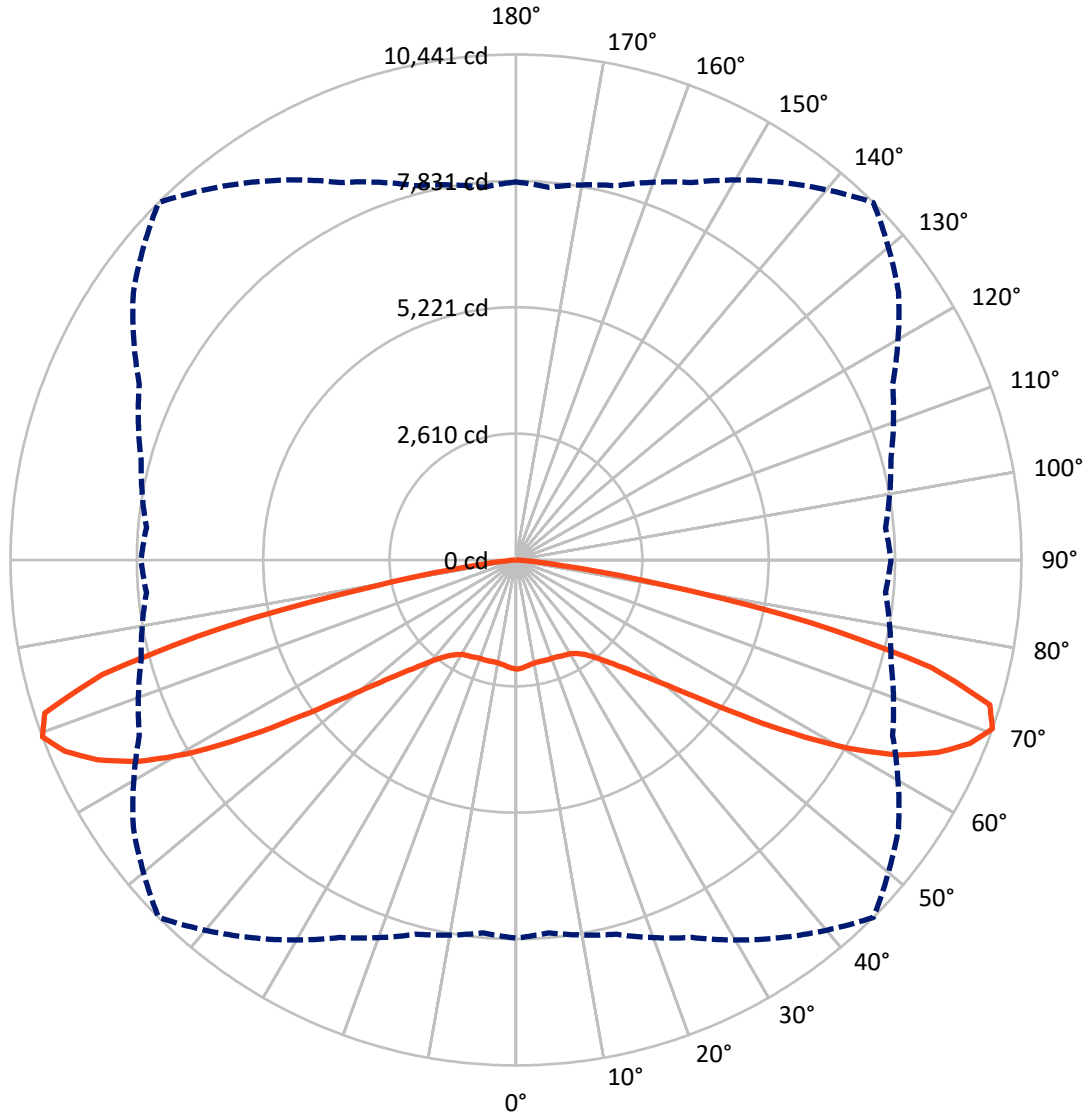
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	12362.0	0.0	12362.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12362.0	0.0	12362.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24724.0	0.0	24724.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.8	0.8
10°-20°	616.0	2.5
20°-30°	1025.1	4.1
30°-40°	1550.3	6.3
40°-50°	2576.3	10.4
50°-60°	4861.4	19.7
60°-70°	8208.6	33.2
70°-80°	5393.9	21.8
80°-90°	282.6	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°	24724.0	100.0
0°-180°	24724.0	100.0

Coefficient of Utilization



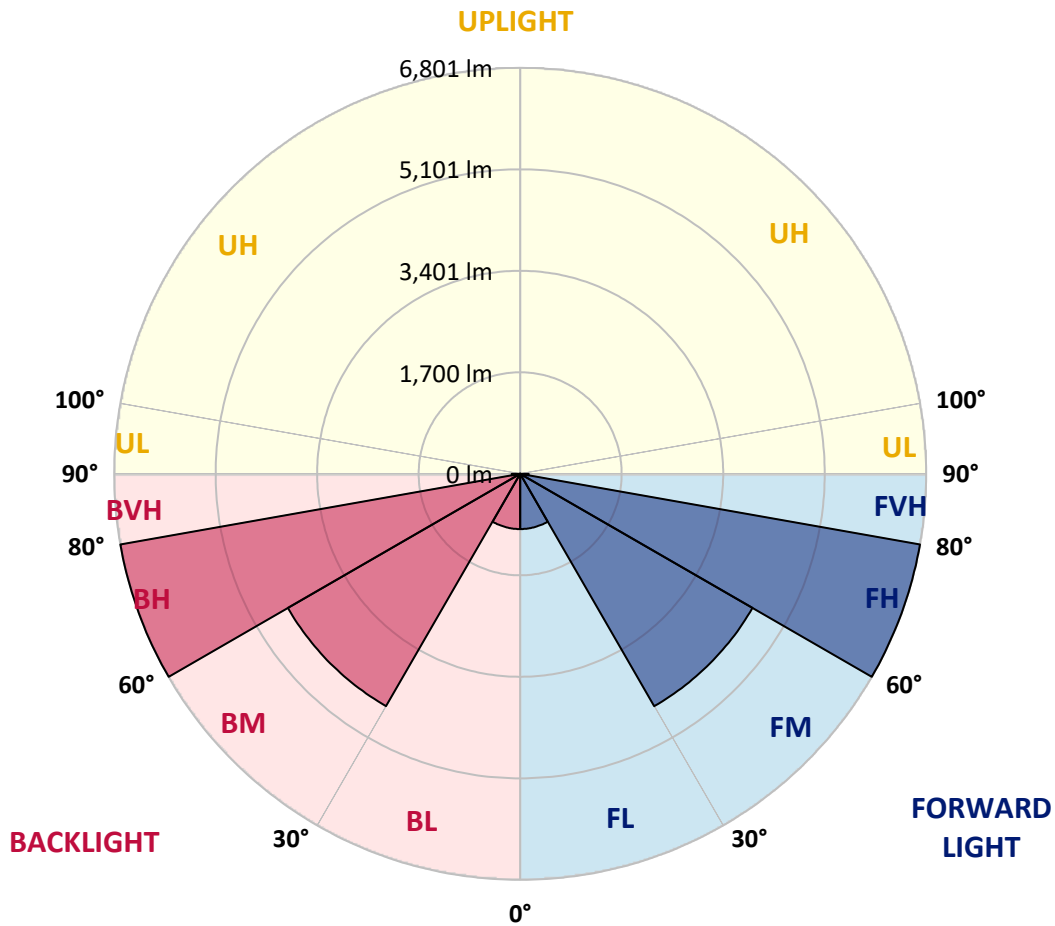
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	925.5	3.7			
FM (30°-60°)	4494.0	18.2			
FH (60°-80°)	6801.2	27.5			G3/7500
FVH (80°-90°)	141.3	0.6			G2/225
BL (0°-30°)	925.5	3.7	B2/1000		
BM (30°-60°)	4494.0	18.2	B3/5000		
BH (60°-80°)	6801.2	27.5	B5		G3/7500
BVH (80°-90°)	141.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2255.3	2255.3	2255.3	2255.3	2255.3	2255.3	2255.3	2255.3	2255.3	2255.3
2.5°	2241.2	2247.6	2245.0	2239.9	2239.9	2236.1	2239.9	2242.5	2246.3	2248.9
5°	2211.6	2216.8	2215.5	2211.6	2212.9	2209.1	2211.6	2215.5	2218.1	2219.3
7.5°	2185.9	2191.1	2188.5	2182.1	2182.1	2178.2	2179.5	2183.4	2187.2	2188.5
10°	2179.5	2184.6	2176.9	2166.7	2162.8	2157.7	2158.9	2162.8	2170.5	2174.4
12.5°	2182.1	2185.9	2178.2	2162.8	2158.9	2153.8	2153.8	2157.7	2167.9	2173.1
15°	2189.8	2193.6	2182.1	2165.4	2161.5	2157.7	2156.4	2161.5	2173.1	2182.1
17.5°	2203.9	2207.8	2189.8	2166.7	2161.5	2162.8	2161.5	2165.4	2183.4	2200.1
20°	2216.8	2219.3	2194.9	2166.7	2161.5	2162.8	2161.5	2169.2	2192.4	2215.5
22.5°	2220.6	2223.2	2200.1	2175.7	2171.8	2173.1	2171.8	2179.5	2201.4	2224.5
25°	2221.9	2225.8	2207.8	2188.5	2194.9	2197.5	2194.9	2196.2	2212.9	2233.5
27.5°	2241.2	2246.3	2229.6	2212.9	2216.8	2215.5	2219.3	2223.2	2236.1	2256.6
30°	2281.0	2284.9	2270.7	2254.0	2251.5	2242.5	2254.0	2266.9	2281.0	2299.0
32.5°	2346.6	2354.3	2336.3	2318.3	2306.7	2301.6	2310.6	2332.4	2351.7	2371.0
35°	2455.8	2460.9	2444.2	2410.8	2390.3	2390.3	2398.0	2426.2	2457.1	2481.5
37.5°	2610.0	2616.4	2586.9	2547.0	2516.2	2516.2	2526.5	2556.0	2602.3	2637.0
40°	2797.6	2806.6	2769.4	2728.2	2698.7	2693.5	2706.4	2739.8	2783.5	2827.2
42.5°	3023.8	3034.1	2985.3	2949.3	2926.1	2926.1	2932.6	2963.4	3003.2	3057.2
45°	3313.0	3330.9	3264.1	3228.1	3206.3	3211.4	3215.3	3242.3	3278.3	3339.9
47.5°	3657.4	3675.3	3604.7	3567.4	3563.5	3588.0	3572.5	3591.8	3611.1	3681.8
50°	4048.0	4078.9	4030.0	4027.5	4035.2	4080.1	4044.2	4054.4	4032.6	4077.6
52.5°	4526.1	4571.1	4562.1	4577.5	4663.6	4756.1	4673.9	4637.9	4555.6	4569.8
55°	5105.6	5173.8	5186.6	5279.1	5474.5	5663.4	5488.6	5343.4	5168.6	5136.5
57.5°	5764.9	5818.9	5880.6	6069.5	6434.4	6769.8	6434.4	6113.2	5838.1	5772.6
60°	6474.3	6541.1	6600.2	6879.1	7421.4	7893.0	7411.1	6900.9	6537.2	6448.6
62.5°	7236.3	7322.4	7363.5	7673.3	8305.5	8868.4	8314.5	7696.4	7292.9	7197.8
65°	7967.5	8038.2	8084.5	8414.7	9018.7	9582.9	9059.9	8450.7	8035.6	7911.0
67.5°	8308.1	8346.6	8459.7	8833.7	9471.1	10114.9	9579.0	8873.5	8409.6	8191.1
70°	7809.5	7731.1	8003.5	8602.4	9525.1	10441.3	9648.4	8584.4	8016.4	7661.7
72.5°	6034.8	5899.8	6372.7	7397.0	8908.2	10233.1	8969.9	7454.8	6667.0	5947.4
75°	3283.4	3130.5	3783.3	5078.7	7104.0	8869.7	7267.2	5223.9	4212.5	3259.0
77.5°	926.5	868.7	1395.6	2457.1	4272.9	6227.5	4437.4	2511.1	1655.2	981.8
80°	284.0	275.0	372.7	740.2	1814.5	2982.7	1743.9	749.2	474.2	299.4
82.5°	168.3	154.2	185.1	269.9	462.6	936.8	449.8	281.4	226.2	151.6
85°	96.4	90.0	109.2	131.1	155.5	199.2	129.8	133.6	120.8	81.0
87.5°	39.8	36.0	42.4	41.1	36.0	46.3	34.7	41.1	48.8	32.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2255.3
2247.6
2219.3
2188.5
2174.4
2174.4
2183.4
2200.1
2216.8
2224.5
2232.2
2251.5
2295.2
2363.3
2472.5
2624.1
2813.1
3053.4
3337.4
3661.2
4050.6
4522.2
5086.4
5726.3
6371.5
7120.7
7849.3
8193.7
7746.5
6126.0
3471.0
1091.0
316.1
164.5
84.8
29.6
0.0

OF REPORT)