

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: P948212

Luminaire Tested: **GALN-SB3B-830-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948212  
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-SB3B-830-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

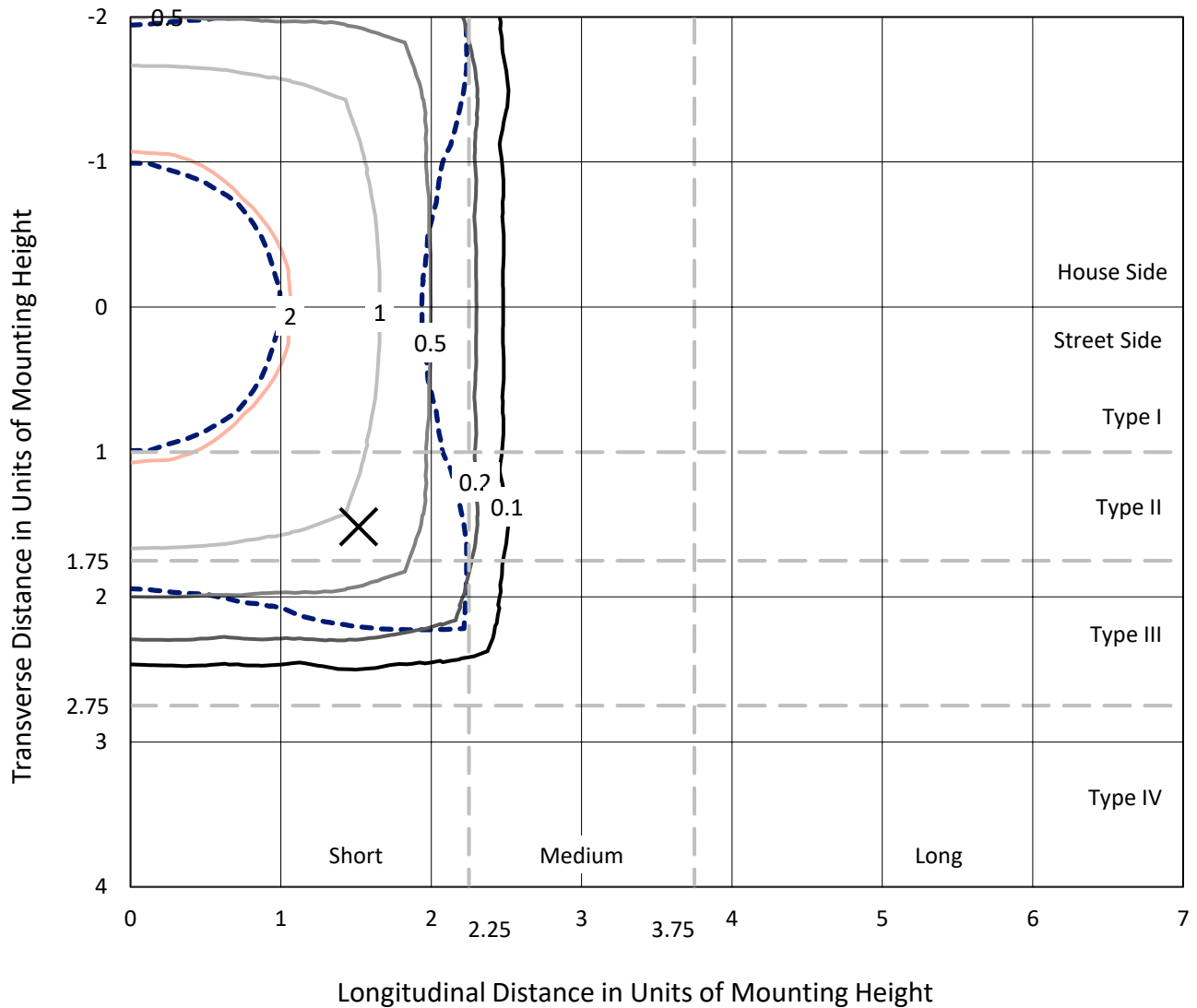
Lumens per Lamp: N/A  
Luminaire Lumens: 15908 lumens  
Efficiency: N/A  
Efficacy: 145.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

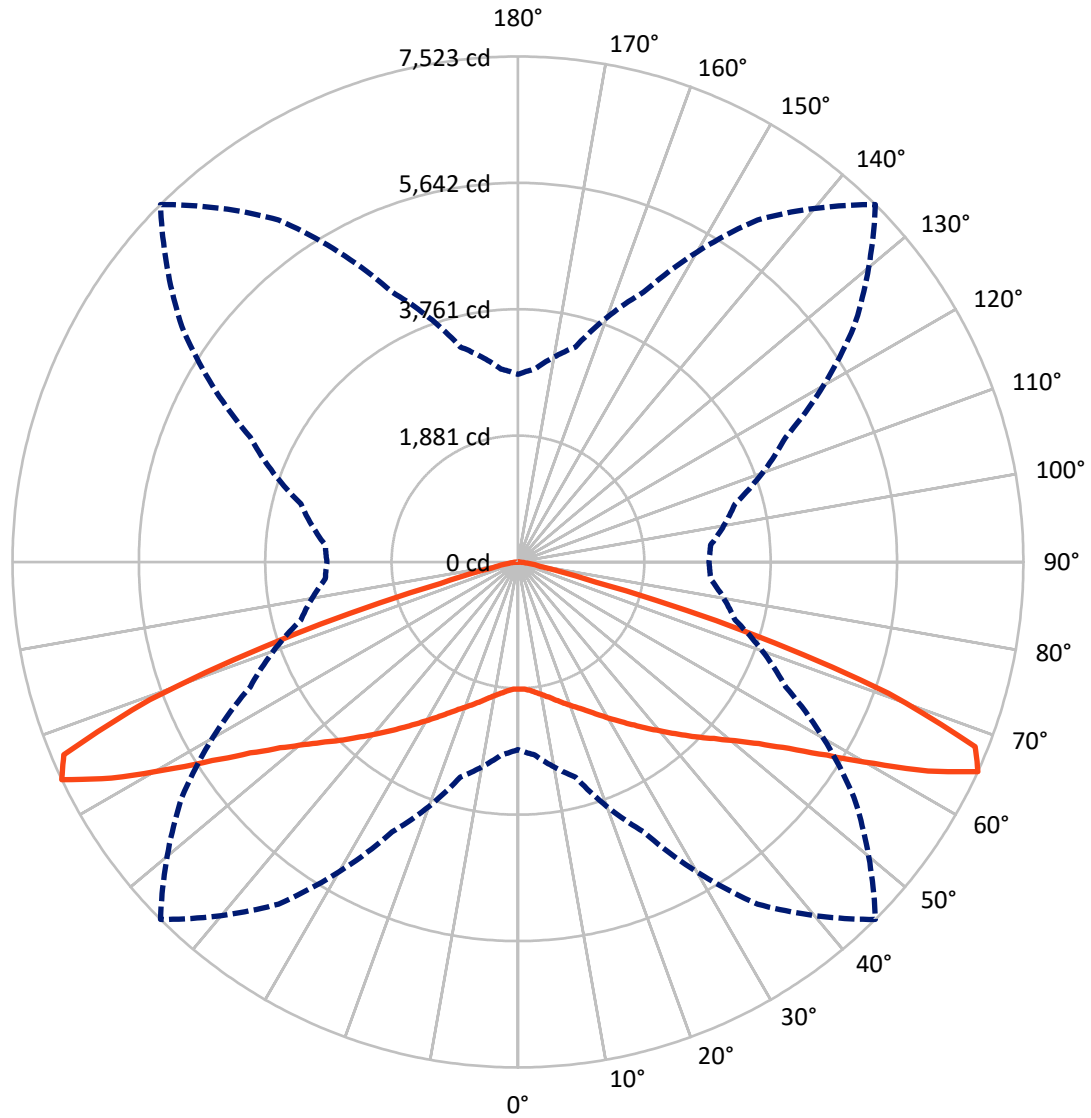
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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
<b>House Side</b>	Lumens	7954.0	0.0	7954.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7954.0	0.0	7954.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15908.0	0.0	15908.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.8	1.2
10°-20°	609.7	3.8
20°-30°	1151.1	7.2
30°-40°	1885.0	11.8
40°-50°	2922.6	18.4
50°-60°	4317.4	27.1
60°-70°	4109.7	25.8
70°-80°	663.2	4.2
80°-90°	62.5	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°	15908.0	100.0
0°-180°	15908.0	100.0

**Coefficient of Utilization**



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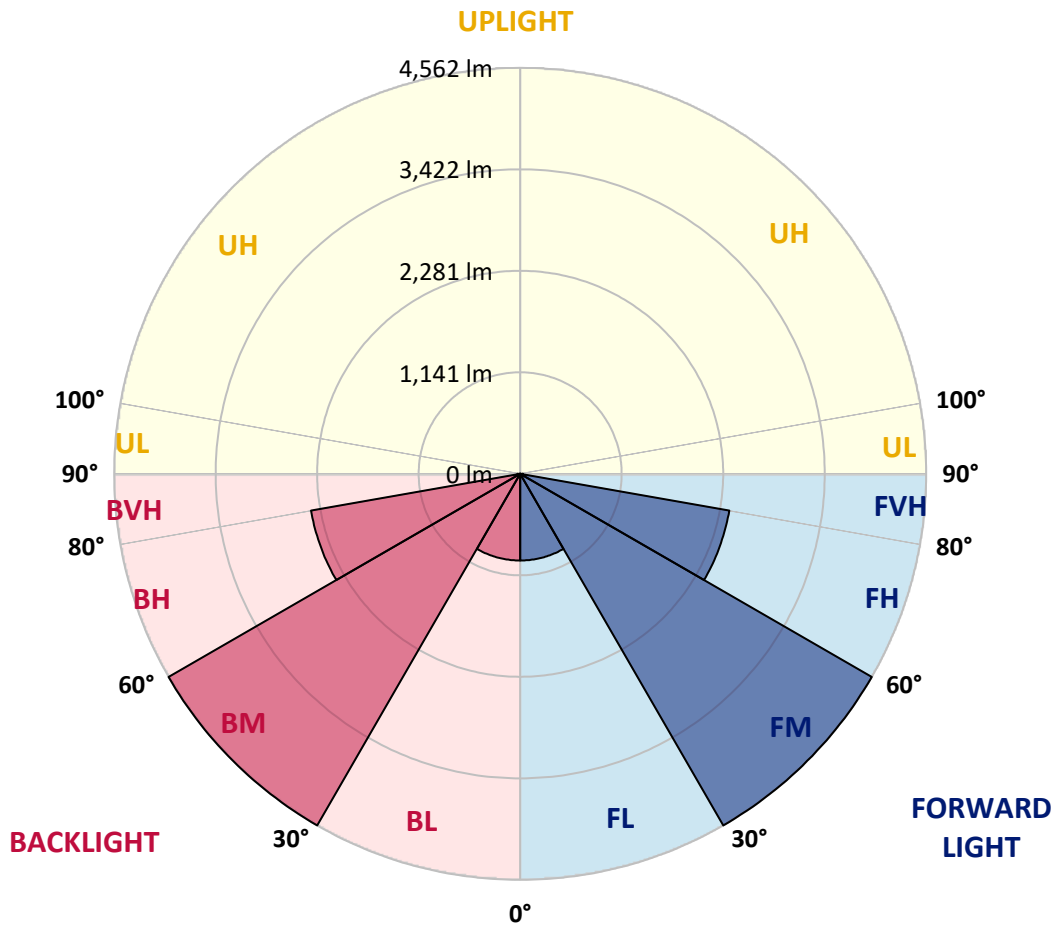
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	973.8	6.1			
FM (30°-60°)	4562.5	28.7			
FH (60°-80°)	2386.4	15.0			G2/5000
FVH (80°-90°)	31.3	0.2			G1/100
BL (0°-30°)	973.8	6.1	B2/1000		
BM (30°-60°)	4562.5	28.7	B3/5000		
BH (60°-80°)	2386.4	15.0	B3/2500		G2/5000
BVH (80°-90°)	31.3	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°	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2	1893.2
2.5°	1906.0	1899.6	1904.4	1900.4	1897.2	1894.0	1895.6	1901.2	1903.6	1904.4
5°	1931.5	1925.9	1928.3	1928.3	1922.7	1921.1	1921.9	1925.9	1930.7	1930.7
7.5°	1973.0	1967.4	1973.0	1969.8	1965.0	1963.4	1962.7	1965.8	1973.0	1973.0
10°	2023.3	2016.9	2020.1	2018.5	2012.9	2010.5	2009.7	2014.5	2020.9	2020.1
12.5°	2078.4	2071.2	2075.2	2070.4	2068.8	2066.4	2066.4	2065.6	2069.6	2066.4
15°	2139.8	2135.1	2136.6	2133.5	2135.8	2134.3	2127.9	2124.7	2126.3	2121.5
17.5°	2212.5	2201.3	2206.9	2205.3	2205.3	2208.5	2198.1	2194.1	2197.3	2192.5
20°	2296.3	2285.1	2287.5	2284.3	2280.3	2283.5	2270.7	2273.9	2276.3	2273.1
22.5°	2388.1	2373.7	2372.9	2374.5	2365.7	2366.5	2357.7	2365.7	2370.5	2361.7
25°	2482.2	2467.1	2477.5	2473.5	2462.3	2464.7	2458.3	2466.3	2470.3	2459.1
27.5°	2582.0	2571.6	2581.2	2583.6	2570.0	2579.6	2570.0	2577.2	2581.2	2564.5
30°	2698.5	2688.2	2696.9	2703.3	2687.4	2702.5	2694.6	2699.3	2700.1	2680.2
32.5°	2825.4	2809.5	2831.8	2835.0	2817.5	2835.8	2825.4	2831.8	2835.8	2808.7
35°	2980.3	2960.3	2985.9	2981.9	2966.7	2981.9	2972.3	2981.9	2991.5	2958.7
37.5°	3147.1	3126.4	3153.5	3146.3	3131.9	3142.3	3136.7	3143.1	3158.3	3123.2
40°	3330.7	3305.1	3341.9	3329.1	3315.5	3313.9	3317.1	3321.1	3341.1	3301.9
42.5°	3527.0	3499.9	3555.0	3535.0	3515.8	3503.1	3513.5	3521.4	3540.6	3496.7
45°	3751.3	3720.2	3792.0	3768.1	3737.7	3711.4	3728.2	3740.1	3768.1	3715.4
47.5°	3998.7	3963.6	4040.2	4033.1	3983.6	3926.1	3964.4	3998.7	4019.5	3955.6
50°	4240.6	4213.4	4314.0	4322.8	4262.1	4181.5	4235.0	4286.9	4292.4	4208.6
52.5°	4467.2	4440.1	4586.2	4641.2	4587.0	4491.2	4547.9	4600.5	4558.2	4449.7
55°	4648.4	4626.1	4812.0	4954.1	4972.5	4893.5	4927.0	4925.4	4786.5	4619.7
57.5°	4692.3	4689.1	4923.8	5224.7	5416.2	5425.8	5359.6	5190.4	4891.1	4666.8
60°	4492.8	4512.7	4835.2	5366.0	5876.8	6089.1	5802.5	5319.7	4772.1	4460.9
62.5°	3895.8	3948.4	4337.1	5193.6	6248.7	6852.1	6157.7	5123.3	4283.7	3877.4
65°	2791.9	2883.7	3313.1	4432.1	6215.2	7522.6	6106.6	4396.2	3345.0	2876.5
67.5°	1266.7	1360.0	1724.8	3034.6	5402.7	7340.6	5389.9	3066.5	1811.0	1364.8
70°	458.9	474.9	592.2	1214.8	3452.8	5848.8	3600.5	1223.6	629.7	506.0
72.5°	277.8	280.2	304.9	435.0	1199.6	3551.0	1250.7	449.4	311.3	276.2
75°	176.4	174.8	217.1	265.8	425.4	1198.0	446.2	265.8	216.3	197.1
77.5°	126.9	130.9	155.6	198.7	268.2	406.3	263.4	190.0	155.6	127.7
80°	95.0	97.4	113.3	154.8	188.4	253.0	167.6	140.5	117.3	79.8
82.5°	68.6	68.6	74.2	112.5	114.9	136.5	91.0	99.0	77.4	56.7
85°	40.7	39.9	46.3	67.0	59.9	50.3	41.5	60.7	48.7	35.1
87.5°	14.4	15.2	14.4	19.2	16.0	13.6	12.8	16.8	13.6	12.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1893.2
1904.4
1930.7
1970.6
2018.5
2068.0
2122.3
2196.5
2280.3
2370.5
2471.9
2577.2
2692.2
2827.0
2978.7
3144.7
3314.7
3519.8
3742.5
3977.2
4219.0
4452.9
4625.3
4652.4
4424.1
3853.5
2842.2
1344.9
499.6
280.9
198.7
130.1
82.2
56.7
34.3
11.2
0.0

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