

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: P948191

Luminaire Tested: **GALN-SB3B-827-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948191
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-827-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15395 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

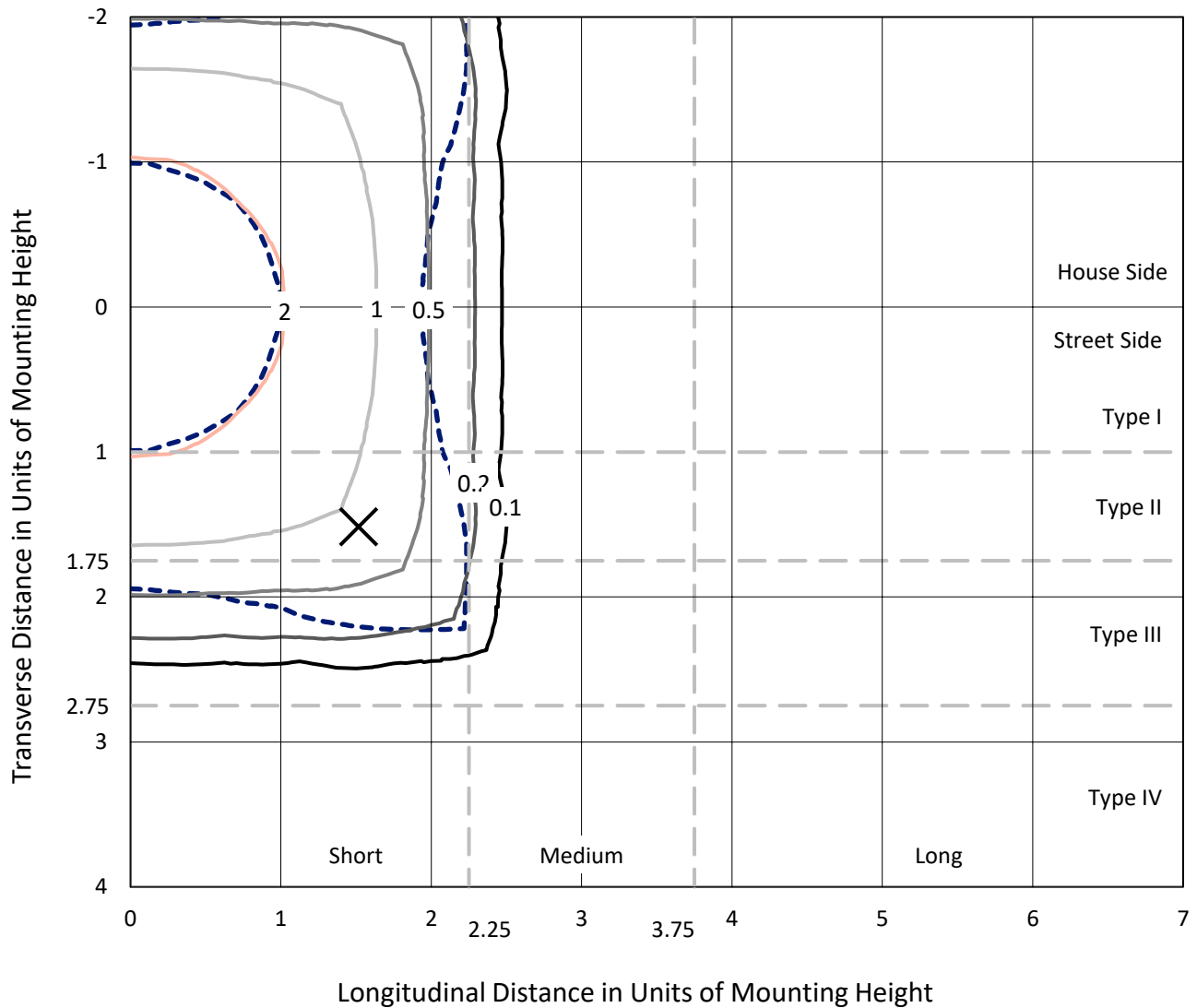
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

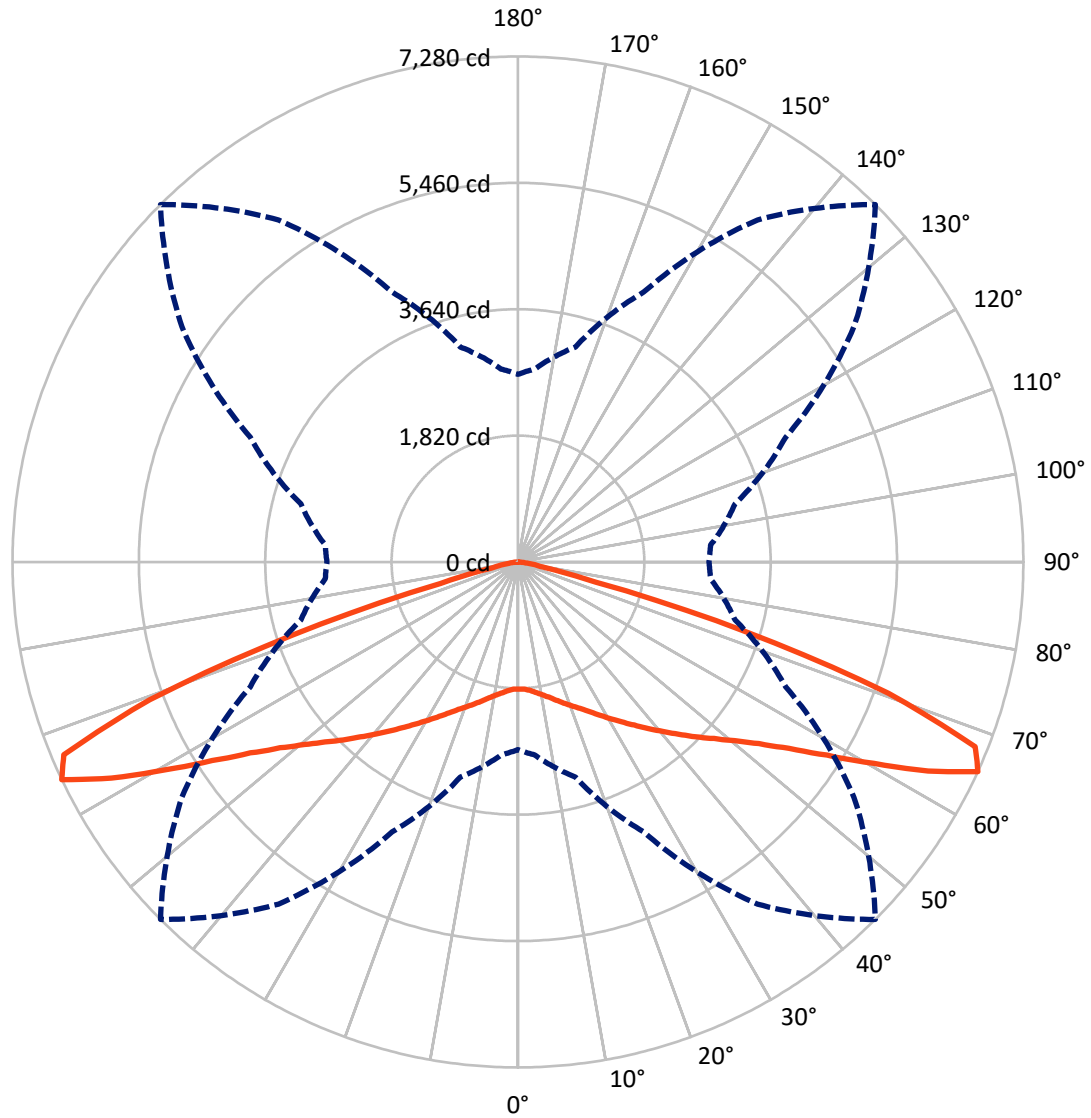
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	7697.5	0.0	7697.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7697.5	0.0	7697.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15395.0	0.0	15395.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.8	1.2
10°-20°	590.0	3.8
20°-30°	1114.0	7.2
30°-40°	1824.2	11.8
40°-50°	2828.4	18.4
50°-60°	4178.1	27.1
60°-70°	3977.2	25.8
70°-80°	641.8	4.2
80°-90°	60.5	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°	15395.0	100.0
0°-180°	15395.0	100.0

Coefficient of Utilization



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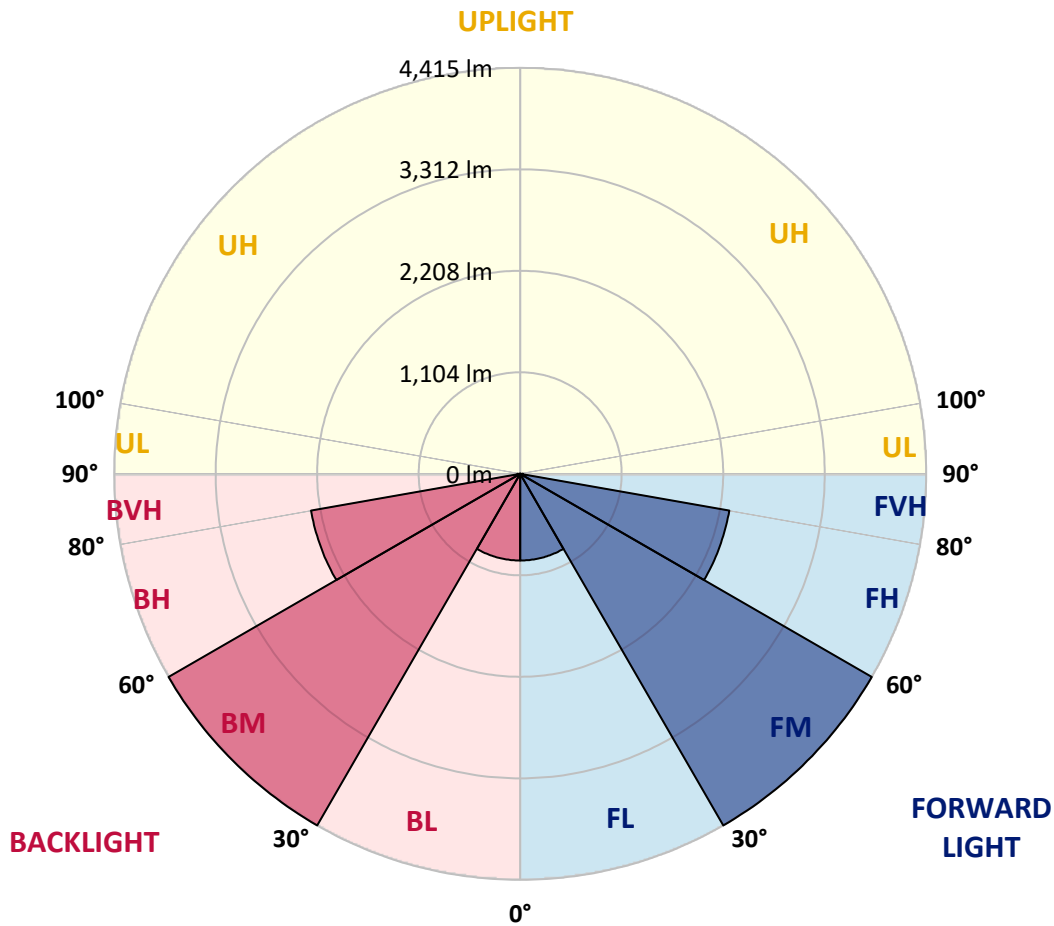
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	942.4	6.1			
FM (30°-60°)	4415.3	28.7			
FH (60°-80°)	2309.5	15.0			G2/5000
FVH (80°-90°)	30.2	0.2			G1/100
BL (0°-30°)	942.4	6.1	B2/1000		
BM (30°-60°)	4415.3	28.7	B3/5000		
BH (60°-80°)	2309.5	15.0	B3/2500		G2/5000
BVH (80°-90°)	30.2	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°	1832.2	1832.2	1832.2	1832.2	1832.2	1832.2	1832.2	1832.2	1832.2	1832.2
2.5°	1844.5	1838.3	1843.0	1839.1	1836.0	1832.9	1834.5	1839.9	1842.2	1843.0
5°	1869.2	1863.8	1866.1	1866.1	1860.7	1859.2	1860.0	1863.8	1868.5	1868.5
7.5°	1909.4	1904.0	1909.4	1906.3	1901.7	1900.1	1899.4	1902.4	1909.4	1909.4
10°	1958.1	1951.9	1955.0	1953.4	1948.0	1945.7	1944.9	1949.6	1955.7	1955.0
12.5°	2011.4	2004.4	2008.3	2003.6	2002.1	1999.8	1999.8	1999.0	2002.9	1999.8
15°	2070.8	2066.2	2067.7	2064.7	2067.0	2065.4	2059.2	2056.2	2057.7	2053.1
17.5°	2141.1	2130.3	2135.7	2134.2	2134.2	2137.3	2127.2	2123.4	2126.4	2121.8
20°	2222.2	2211.4	2213.7	2210.6	2206.8	2209.9	2197.5	2200.6	2202.9	2199.8
22.5°	2311.1	2297.2	2296.4	2297.9	2289.4	2290.2	2281.7	2289.4	2294.1	2285.6
25°	2402.2	2387.5	2397.6	2393.7	2382.9	2385.2	2379.0	2386.8	2390.6	2379.8
27.5°	2498.7	2488.7	2498.0	2500.3	2487.2	2496.4	2487.2	2494.1	2498.0	2481.8
30°	2611.5	2601.5	2610.0	2616.2	2600.7	2615.4	2607.7	2612.3	2613.1	2593.8
32.5°	2734.3	2718.9	2740.5	2743.6	2726.6	2744.4	2734.3	2740.5	2744.4	2718.1
35°	2884.2	2864.9	2889.6	2885.7	2871.1	2885.7	2876.5	2885.7	2895.0	2863.3
37.5°	3045.6	3025.5	3051.8	3044.8	3030.9	3041.0	3035.6	3041.8	3056.4	3022.4
40°	3223.3	3198.6	3234.1	3221.7	3208.6	3207.1	3210.1	3214.0	3233.3	3195.5
42.5°	3413.3	3387.0	3440.3	3421.0	3402.5	3390.1	3400.2	3407.9	3426.4	3383.9
45°	3630.3	3600.2	3669.7	3646.6	3617.2	3591.7	3607.9	3619.5	3646.6	3595.6
47.5°	3869.8	3835.8	3909.9	3903.0	3855.1	3799.5	3836.6	3869.8	3889.9	3828.1
50°	4103.8	4077.6	4174.9	4183.4	4124.7	4046.7	4098.4	4148.6	4154.0	4072.9
52.5°	4323.2	4296.9	4438.3	4491.6	4439.0	4346.4	4401.2	4452.2	4411.2	4306.2
55°	4498.5	4476.9	4656.9	4794.4	4812.1	4735.7	4768.1	4766.5	4632.1	4470.7
57.5°	4541.0	4537.9	4765.0	5056.2	5241.6	5250.9	5186.7	5023.0	4733.3	4516.3
60°	4347.9	4367.2	4679.3	5192.9	5687.3	5892.7	5615.4	5148.1	4618.2	4317.0
62.5°	3770.1	3821.1	4197.3	5026.1	6047.2	6631.1	5959.2	4958.1	4145.5	3752.4
65°	2701.9	2790.7	3206.3	4289.2	6014.8	7280.0	5909.7	4254.4	3237.2	2783.8
67.5°	1225.8	1316.2	1669.2	2936.7	5228.5	7103.9	5216.1	2967.6	1752.6	1320.8
70°	444.1	459.6	573.1	1175.6	3341.5	5660.2	3484.3	1184.1	609.4	489.7
72.5°	268.8	271.1	295.1	421.0	1160.9	3436.5	1210.4	434.9	301.2	267.3
75°	170.7	169.2	210.1	257.2	411.7	1159.4	431.8	257.2	209.3	190.8
77.5°	122.8	126.7	150.6	192.3	259.5	393.2	254.9	183.8	150.6	123.6
80°	91.9	94.2	109.7	149.8	182.3	244.9	162.2	135.9	113.5	77.2
82.5°	66.4	66.4	71.8	108.9	111.2	132.1	88.1	95.8	74.9	54.8
85°	39.4	38.6	44.8	64.9	57.9	48.7	40.2	58.7	47.1	34.0
87.5°	13.9	14.7	13.9	18.5	15.4	13.1	12.4	16.2	13.1	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1832.2
1843.0
1868.5
1907.1
1953.4
2001.3
2053.8
2125.7
2206.8
2294.1
2392.2
2494.1
2605.3
2735.9
2882.6
3043.3
3207.8
3406.3
3621.8
3848.9
4083.0
4309.3
4476.1
4502.4
4281.5
3729.2
2750.6
1301.5
483.5
271.9
192.3
125.9
79.6
54.8
33.2
10.8
0.0

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