

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: P948653

Luminaire Tested: **GALN-SB3C-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948653
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-SB3C-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14332 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

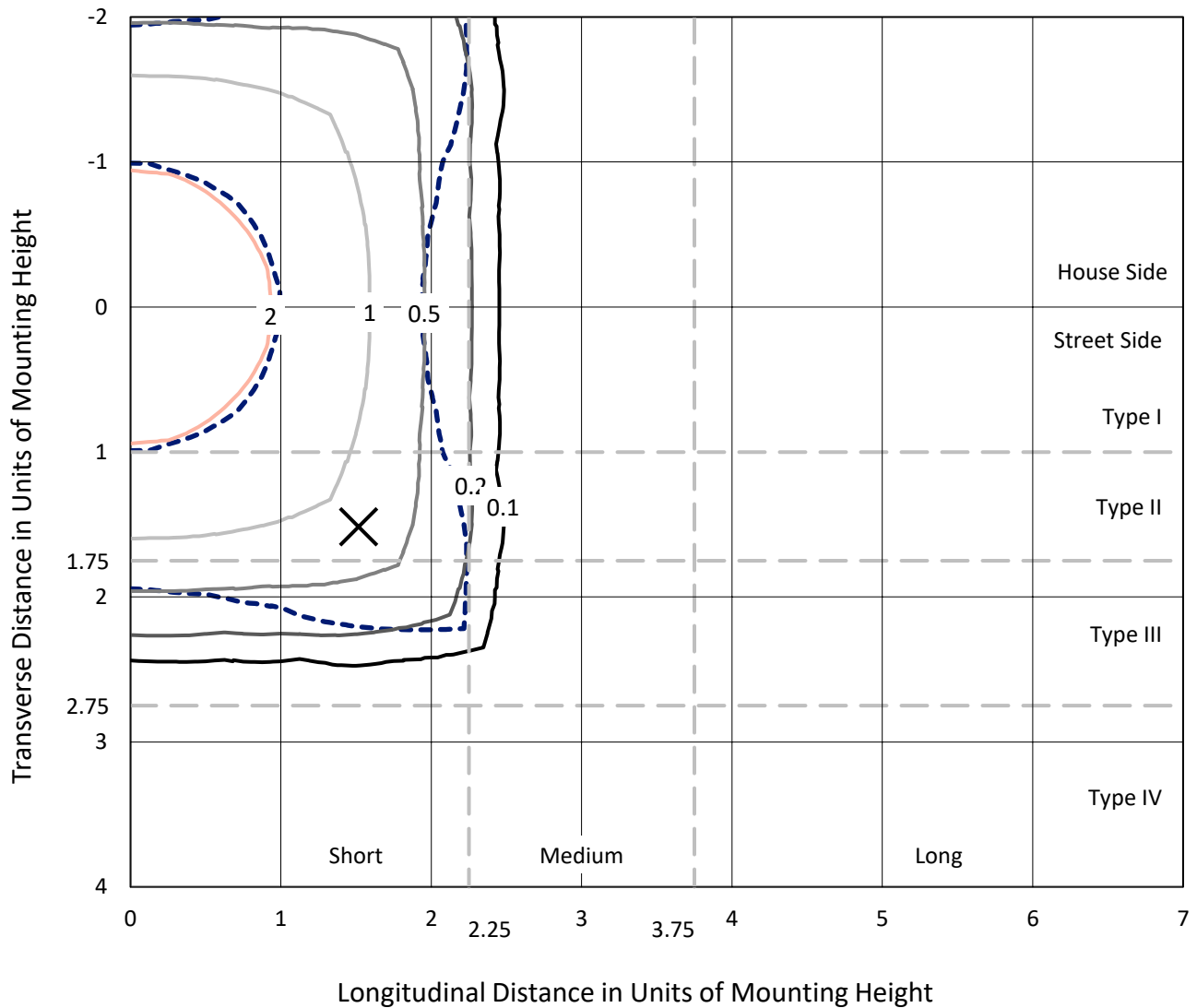
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

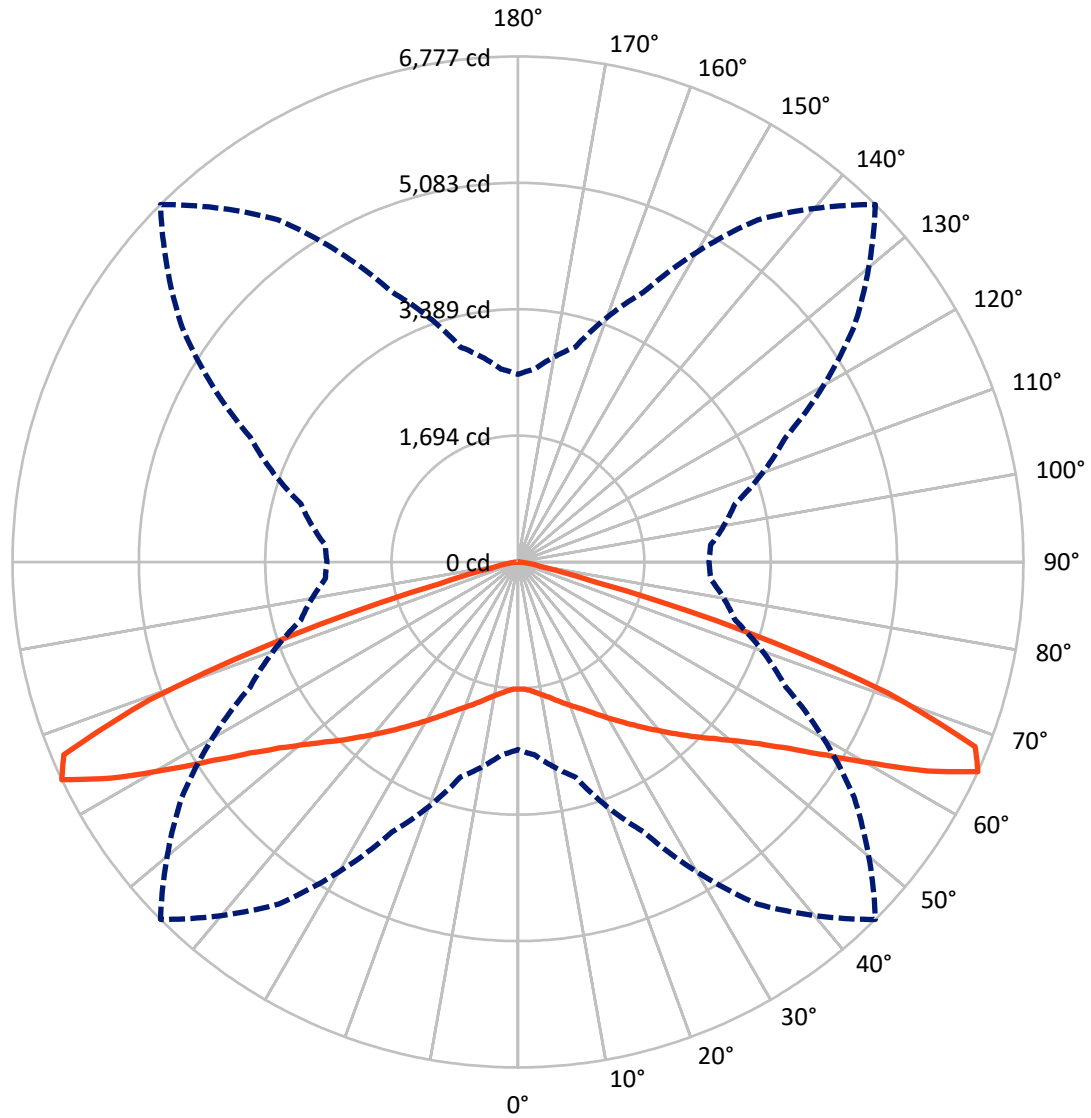
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	7166.0	0.0	7166.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7166.0	0.0	7166.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14332.0	0.0	14332.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.3	1.2
10°-20°	549.3	3.8
20°-30°	1037.1	7.2
30°-40°	1698.2	11.8
40°-50°	2633.1	18.4
50°-60°	3889.6	27.1
60°-70°	3702.6	25.8
70°-80°	597.5	4.2
80°-90°	56.3	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°	14332.0	100.0
0°-180°	14332.0	100.0

Coefficient of Utilization



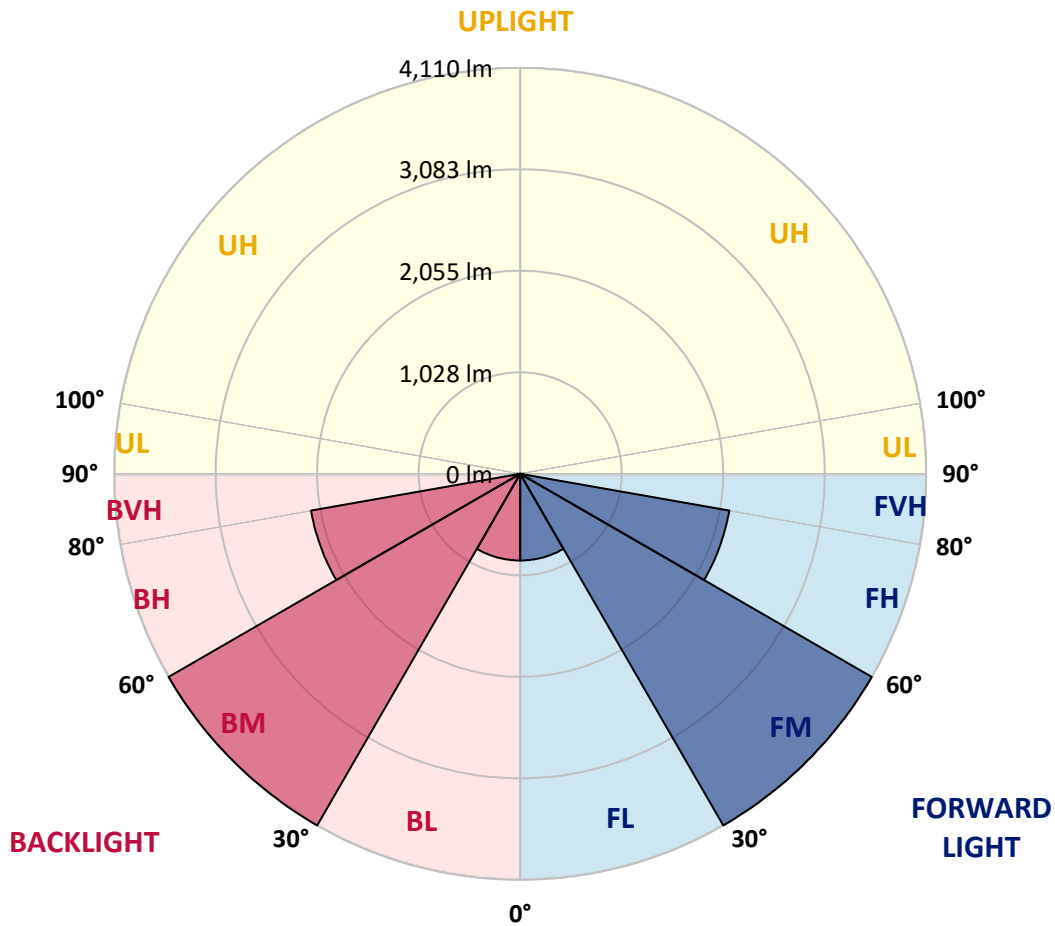
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	877.4	6.1			
FM (30°-60°)	4110.5	28.7			
FH (60°-80°)	2150.0	15.0			G2/5000
FVH (80°-90°)	28.2	0.2			G1/100
BL (0°-30°)	877.4	6.1	B2/1000		
BM (30°-60°)	4110.5	28.7	B3/5000		
BH (60°-80°)	2150.0	15.0	B3/2500		G2/5000
BVH (80°-90°)	28.2	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°	1705.7	1705.7	1705.7	1705.7	1705.7	1705.7	1705.7	1705.7	1705.7	1705.7
2.5°	1717.2	1711.4	1715.7	1712.1	1709.2	1706.4	1707.8	1712.8	1715.0	1715.7
5°	1740.2	1735.1	1737.3	1737.3	1732.3	1730.8	1731.5	1735.1	1739.4	1739.4
7.5°	1777.6	1772.5	1777.6	1774.7	1770.4	1768.9	1768.2	1771.1	1777.6	1777.6
10°	1822.9	1817.1	1820.0	1818.5	1813.5	1811.4	1810.6	1815.0	1820.7	1820.0
12.5°	1872.5	1866.0	1869.6	1865.3	1863.8	1861.7	1861.7	1861.0	1864.6	1861.7
15°	1927.8	1923.5	1925.0	1922.1	1924.3	1922.8	1917.1	1914.2	1915.6	1911.3
17.5°	1993.3	1983.2	1988.2	1986.8	1986.8	1989.7	1980.3	1976.7	1979.6	1975.3
20°	2068.8	2058.7	2060.9	2058.0	2054.4	2057.3	2045.8	2048.7	2050.8	2047.9
22.5°	2151.5	2138.5	2137.8	2139.3	2131.3	2132.1	2124.2	2131.3	2135.7	2127.7
25°	2236.3	2222.7	2232.0	2228.4	2218.4	2220.5	2214.8	2221.9	2225.5	2215.5
27.5°	2326.2	2316.9	2325.5	2327.7	2315.4	2324.1	2315.4	2321.9	2325.5	2310.4
30°	2431.2	2421.9	2429.8	2435.5	2421.1	2434.8	2427.6	2431.9	2432.6	2414.7
32.5°	2545.5	2531.2	2551.3	2554.2	2538.3	2554.9	2545.5	2551.3	2554.9	2530.4
35°	2685.0	2667.1	2690.1	2686.5	2672.8	2686.5	2677.8	2686.5	2695.1	2665.6
37.5°	2835.3	2816.6	2841.1	2834.6	2821.7	2831.0	2826.0	2831.7	2845.4	2813.7
40°	3000.7	2977.7	3010.8	2999.3	2987.0	2985.6	2988.5	2992.1	3010.1	2974.8
42.5°	3177.6	3153.2	3202.8	3184.8	3167.5	3156.0	3165.4	3172.6	3189.8	3150.3
45°	3379.7	3351.6	3416.3	3394.8	3367.4	3343.7	3358.8	3369.6	3394.8	3347.3
47.5°	3602.6	3570.9	3640.0	3633.5	3588.9	3537.1	3571.7	3602.6	3621.3	3563.7
50°	3820.5	3796.0	3886.6	3894.5	3839.9	3767.2	3815.4	3862.2	3867.2	3791.7
52.5°	4024.7	4000.2	4131.8	4181.4	4132.5	4046.2	4097.3	4144.8	4106.7	4008.9
55°	4187.9	4167.8	4335.3	4463.3	4479.9	4408.7	4438.9	4437.4	4312.3	4162.0
57.5°	4227.5	4224.6	4436.0	4707.1	4879.7	4888.3	4828.6	4676.2	4406.5	4204.4
60°	4047.7	4065.7	4356.2	4834.4	5294.6	5485.8	5227.7	4792.7	4299.4	4018.9
62.5°	3509.8	3557.3	3907.5	4679.0	5629.7	6173.3	5547.7	4615.8	3859.3	3493.3
65°	2515.3	2598.0	2984.9	3993.0	5599.5	6777.3	5501.7	3960.7	3013.7	2591.6
67.5°	1141.2	1225.3	1553.9	2733.9	4867.4	6613.4	4855.9	2762.7	1631.6	1229.6
70°	413.5	427.9	533.6	1094.4	3110.7	5269.4	3243.8	1102.3	567.4	455.9
72.5°	250.2	252.4	274.7	391.9	1080.8	3199.2	1126.8	404.8	280.4	248.8
75°	158.9	157.5	195.6	239.5	383.3	1079.3	402.0	239.5	194.9	177.6
77.5°	114.3	117.9	140.2	179.1	241.6	366.0	237.3	171.1	140.2	115.1
80°	85.6	87.7	102.1	139.5	169.7	227.9	151.0	126.6	105.7	71.9
82.5°	61.8	61.8	66.9	101.4	103.5	123.0	82.0	89.2	69.8	51.1
85°	36.7	36.0	41.7	60.4	53.9	45.3	37.4	54.6	43.9	31.6
87.5°	12.9	13.7	12.9	17.3	14.4	12.2	11.5	15.1	12.2	10.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1705.7
1715.7
1739.4
1775.4
1818.5
1863.1
1912.0
1978.9
2054.4
2135.7
2227.0
2321.9
2425.4
2547.0
2683.6
2833.2
2986.3
3171.1
3371.8
3583.2
3801.0
4011.7
4167.1
4191.5
3985.8
3471.7
2560.6
1211.6
450.1
253.1
179.1
117.2
74.1
51.1
30.9
10.1
0.0

OF REPORT)