

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: P940480

Luminaire Tested: **GALN-SB3C-827-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940480
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-SB3C-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19764 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

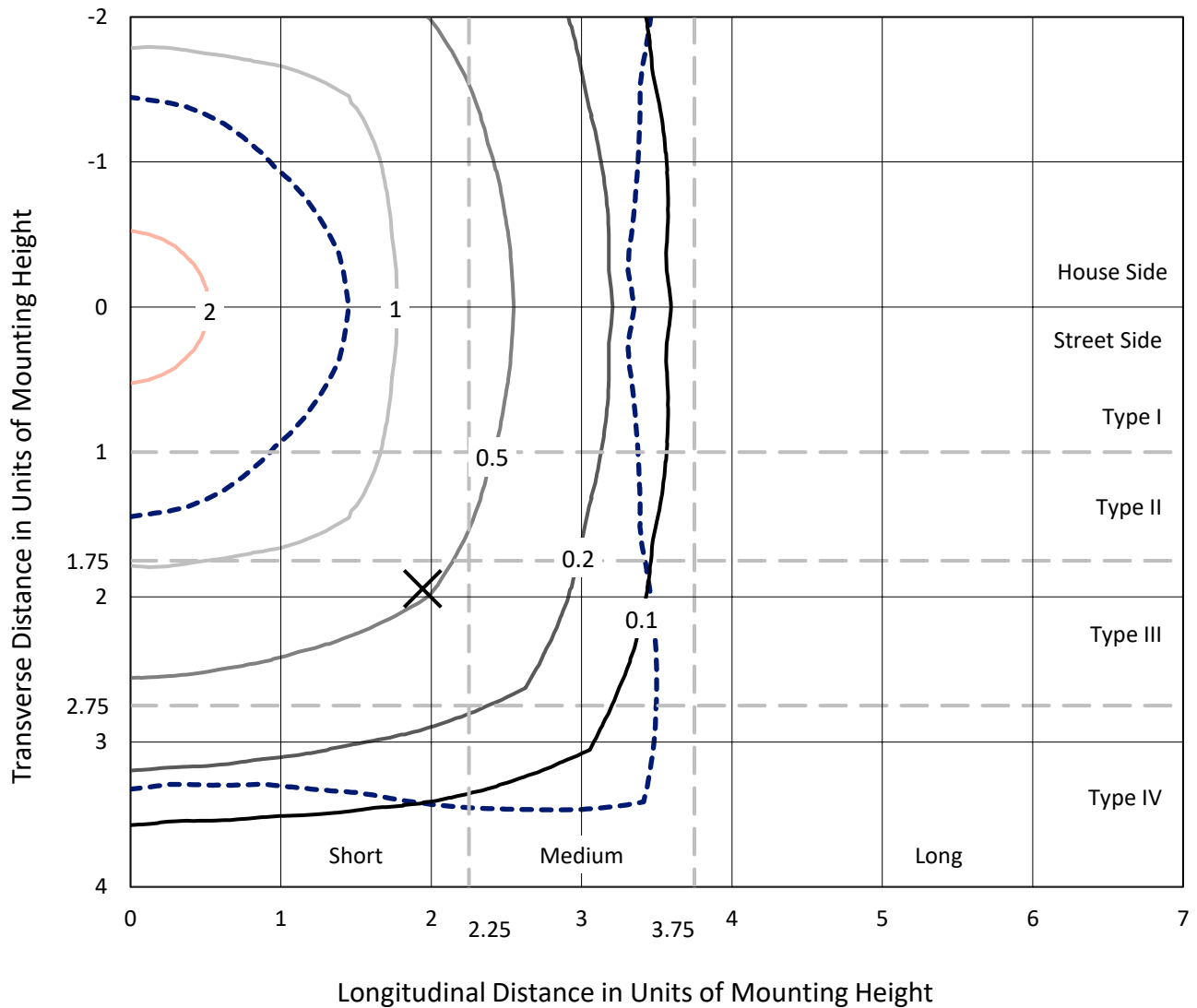
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

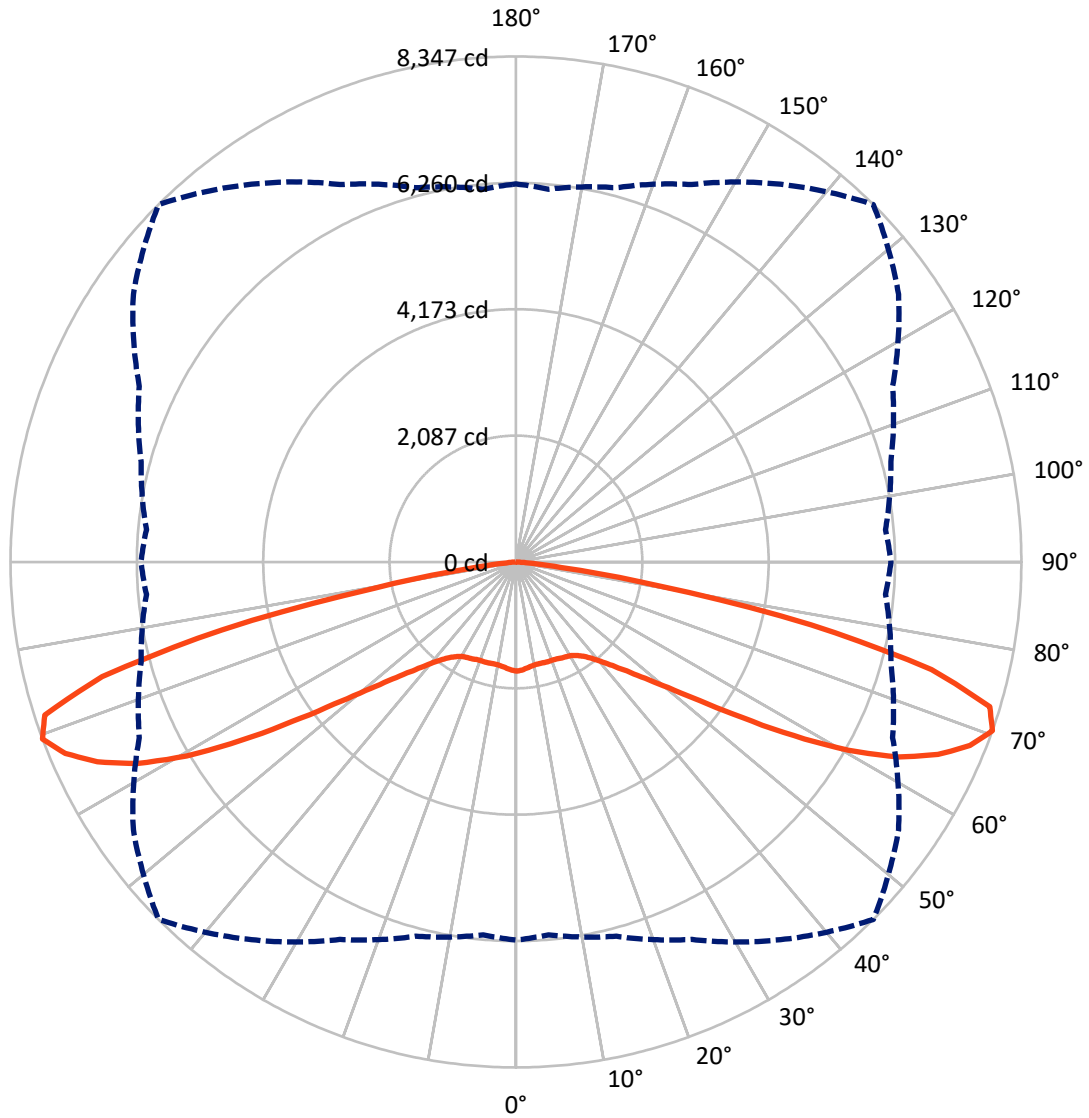
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

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CATALOG NUMBER: GALN-SB3C-827-U-5WQ

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	9882.0	0.0	9882.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9882.0	0.0	9882.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19764.0	0.0	19764.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	0.8
10°-20°	492.4	2.5
20°-30°	819.5	4.1
30°-40°	1239.3	6.3
40°-50°	2059.4	10.4
50°-60°	3886.1	19.7
60°-70°	6561.8	33.2
70°-80°	4311.8	21.8
80°-90°	225.9	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°	19764.0	100.0
0°-180°	19764.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940480

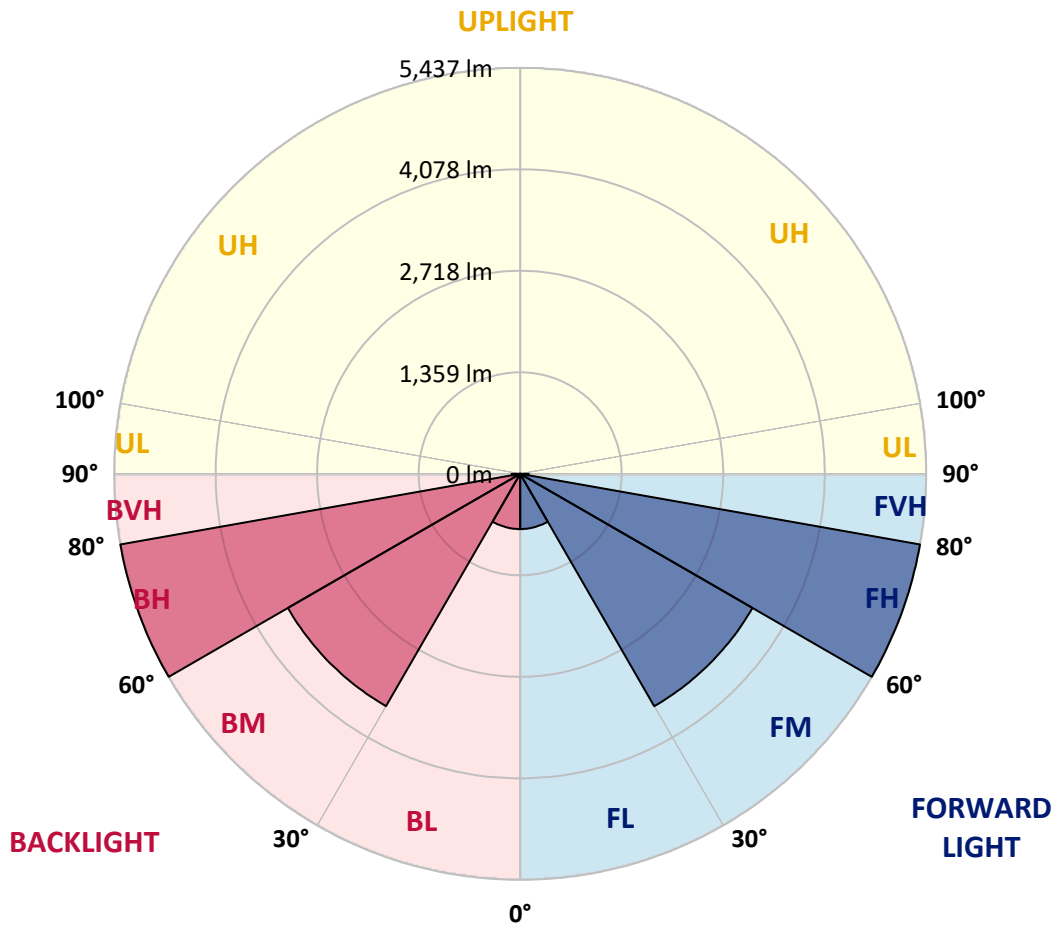
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	739.8	3.7			
FM (30°-60°)	3592.4	18.2			
FH (60°-80°)	5436.8	27.5			G3/7500
FVH (80°-90°)	112.9	0.6			G2/225
BL (0°-30°)	739.8	3.7	B2/1000		
BM (30°-60°)	3592.4	18.2	B3/5000		
BH (60°-80°)	5436.8	27.5	B5		G3/7500
BVH (80°-90°)	112.9	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°	1802.9	1802.9	1802.9	1802.9	1802.9	1802.9	1802.9	1802.9	1802.9	1802.9
2.5°	1791.6	1796.7	1794.7	1790.5	1790.5	1787.5	1790.5	1792.6	1795.7	1797.7
5°	1767.9	1772.1	1771.0	1767.9	1769.0	1765.9	1767.9	1771.0	1773.1	1774.1
7.5°	1747.4	1751.5	1749.5	1744.3	1744.3	1741.2	1742.3	1745.3	1748.4	1749.5
10°	1742.3	1746.4	1740.2	1732.0	1728.9	1724.8	1725.8	1728.9	1735.1	1738.2
12.5°	1744.3	1747.4	1741.2	1728.9	1725.8	1721.7	1721.7	1724.8	1733.0	1737.1
15°	1750.5	1753.6	1744.3	1731.0	1727.9	1724.8	1723.8	1727.9	1737.1	1744.3
17.5°	1761.8	1764.9	1750.5	1732.0	1727.9	1728.9	1727.9	1731.0	1745.3	1758.7
20°	1772.1	1774.1	1754.6	1732.0	1727.9	1728.9	1727.9	1734.0	1752.5	1771.0
22.5°	1775.1	1777.2	1758.7	1739.2	1736.1	1737.1	1736.1	1742.3	1759.7	1778.2
25°	1776.2	1779.2	1764.9	1749.5	1754.6	1756.6	1754.6	1755.6	1769.0	1785.4
27.5°	1791.6	1795.7	1782.3	1769.0	1772.1	1771.0	1774.1	1777.2	1787.5	1803.9
30°	1823.4	1826.5	1815.2	1801.8	1799.8	1792.6	1801.8	1812.1	1823.4	1837.8
32.5°	1875.8	1882.0	1867.6	1853.2	1844.0	1839.9	1847.0	1864.5	1879.9	1895.3
35°	1963.1	1967.2	1953.9	1927.2	1910.7	1910.7	1916.9	1939.5	1964.2	1983.7
37.5°	2086.4	2091.5	2067.9	2036.1	2011.4	2011.4	2019.6	2043.3	2080.2	2108.0
40°	2236.4	2243.6	2213.8	2180.9	2157.3	2153.2	2163.4	2190.2	2225.1	2260.0
42.5°	2417.2	2425.4	2386.4	2357.6	2339.1	2339.1	2344.3	2368.9	2400.8	2443.9
45°	2648.3	2662.7	2609.3	2580.5	2563.1	2567.2	2570.3	2591.8	2620.6	2669.9
47.5°	2923.6	2938.0	2881.5	2851.7	2848.6	2868.2	2855.8	2871.2	2886.7	2943.2
50°	3235.9	3260.6	3221.5	3219.5	3225.7	3261.6	3232.8	3241.1	3223.6	3259.6
52.5°	3618.1	3654.0	3646.8	3659.2	3728.0	3802.0	3736.2	3707.5	3641.7	3653.0
55°	4081.4	4135.8	4146.1	4220.1	4376.2	4527.2	4387.5	4271.4	4131.7	4106.0
57.5°	4608.4	4651.5	4700.8	4851.8	5143.6	5411.7	5143.6	4886.8	4666.9	4614.5
60°	5175.4	5228.9	5276.1	5499.0	5932.5	6309.5	5924.3	5516.5	5225.8	5154.9
62.5°	5784.6	5853.4	5886.3	6133.9	6639.3	7089.3	6646.5	6152.4	5829.8	5753.8
65°	6369.1	6425.6	6462.6	6726.6	7209.4	7660.4	7242.3	6755.4	6423.6	6323.9
67.5°	6641.4	6672.2	6762.6	7061.5	7571.0	8085.7	7657.3	7093.4	6722.5	6547.9
70°	6242.8	6180.1	6397.9	6876.6	7614.2	8346.6	7712.8	6862.2	6408.2	6124.6
72.5°	4824.1	4716.2	5094.3	5913.0	7121.1	8180.2	7170.4	5959.2	5329.5	4754.2
75°	2624.7	2502.5	3024.3	4059.8	5678.8	7090.3	5809.3	4175.9	3367.4	2605.2
77.5°	740.7	694.4	1115.6	1964.2	3415.7	4978.2	3547.2	2007.3	1323.1	784.8
80°	227.0	219.8	297.9	591.7	1450.5	2384.3	1394.0	598.9	379.1	239.4
82.5°	134.6	123.3	147.9	215.7	369.8	748.9	359.5	225.0	180.8	121.2
85°	77.0	71.9	87.3	104.8	124.3	159.2	103.8	106.8	96.6	64.7
87.5°	31.8	28.8	33.9	32.9	28.8	37.0	27.7	32.9	39.0	25.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1802.9
1796.7
1774.1
1749.5
1738.2
1738.2
1745.3
1758.7
1772.1
1778.2
1784.4
1799.8
1834.7
1889.2
1976.5
2097.7
2248.7
2440.8
2667.8
2926.7
3238.0
3615.0
4066.0
4577.6
5093.2
5692.2
6274.6
6549.9
6192.4
4897.0
2774.7
872.2
252.7
131.5
67.8
23.6
0.0

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