

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: P942910

Luminaire Tested: **GALN-SB7A-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942910
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-SB7A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19642 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

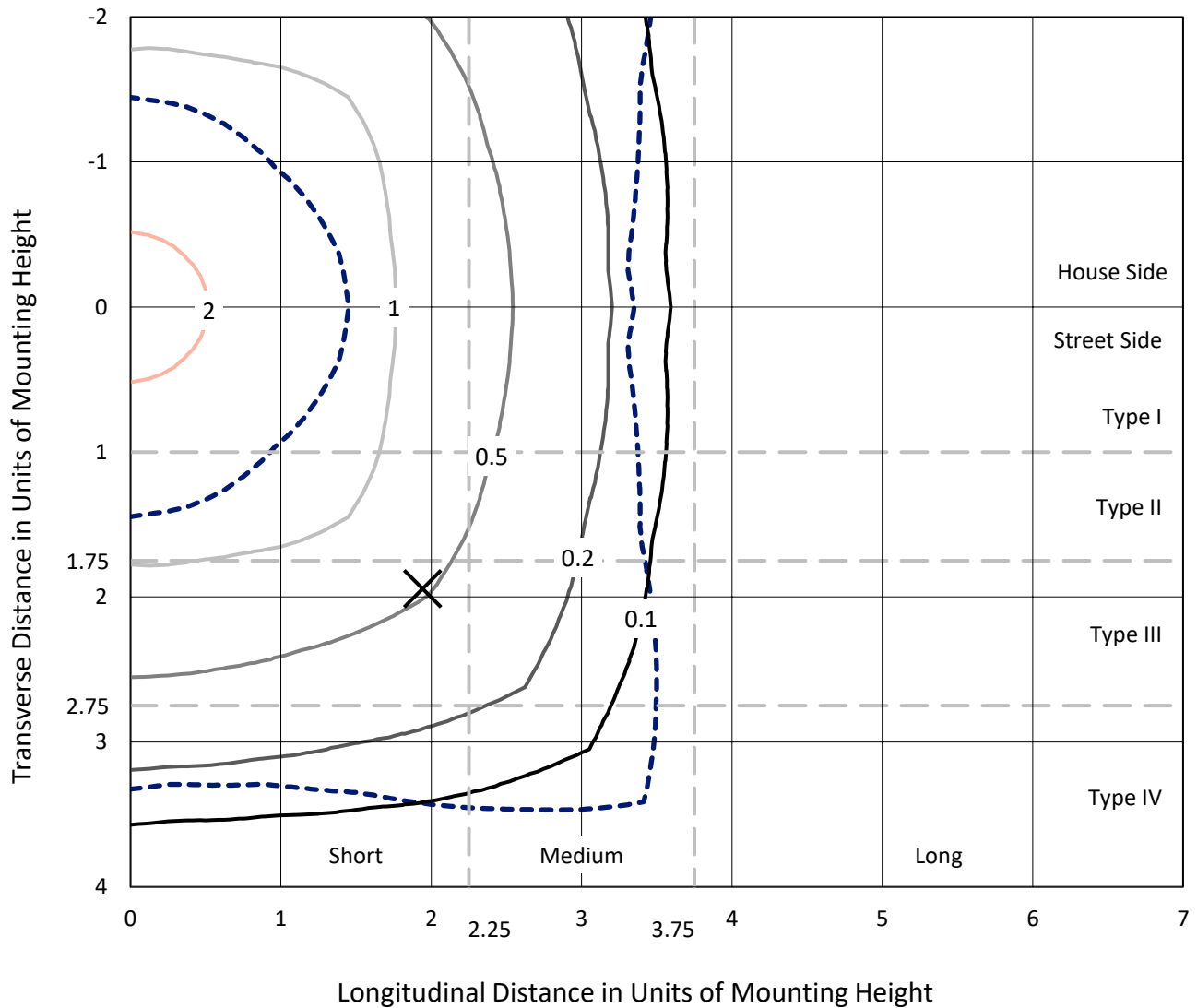
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

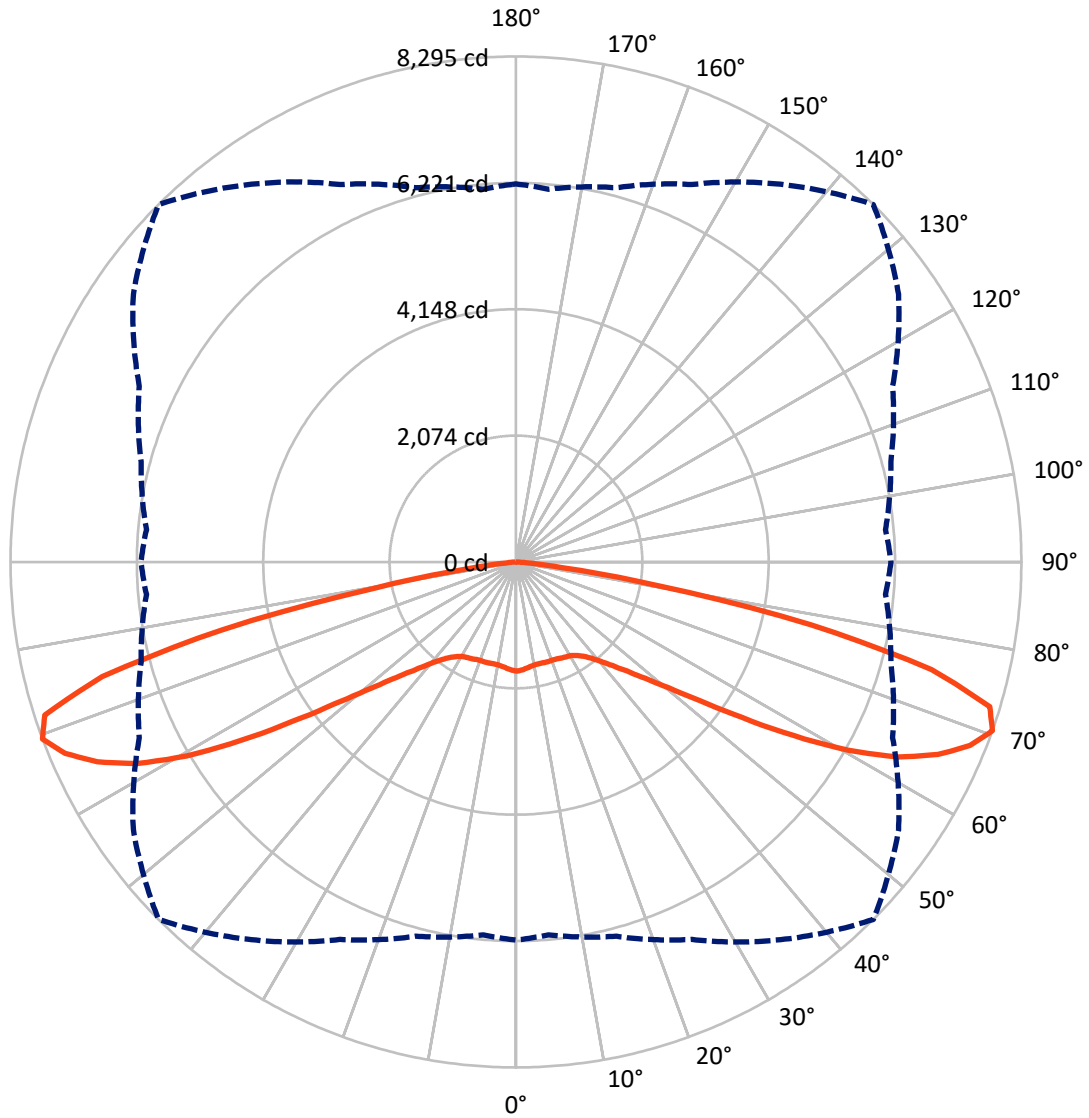
✕ Max cd
 - - - 1/2 Max cd



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

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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	9821.0	0.0	9821.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9821.0	0.0	9821.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19642.0	0.0	19642.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.7	0.8
10°-20°	489.4	2.5
20°-30°	814.4	4.1
30°-40°	1231.7	6.3
40°-50°	2046.7	10.4
50°-60°	3862.1	19.7
60°-70°	6521.3	33.2
70°-80°	4285.2	21.8
80°-90°	224.5	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°	19642.0	100.0
0°-180°	19642.0	100.0

Coefficient of Utilization



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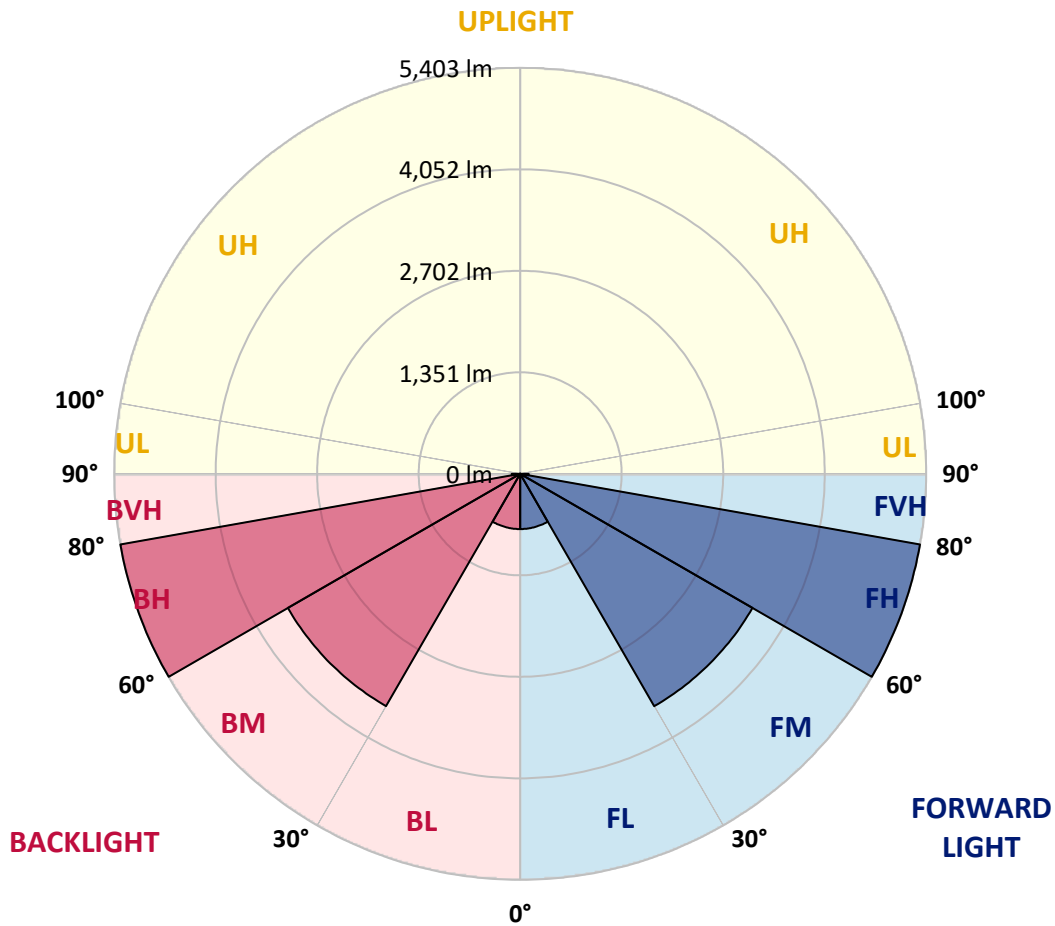
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	735.3	3.7			
FM (30°-60°)	3570.2	18.2			
FH (60°-80°)	5403.2	27.5			G3/7500
FVH (80°-90°)	112.3	0.6			G2/225
BL (0°-30°)	735.3	3.7	B2/1000		
BM (30°-60°)	3570.2	18.2	B3/5000		
BH (60°-80°)	5403.2	27.5	B5		G3/7500
BVH (80°-90°)	112.3	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°	1791.7	1791.7	1791.7	1791.7	1791.7	1791.7	1791.7	1791.7	1791.7	1791.7
2.5°	1780.5	1785.6	1783.6	1779.5	1779.5	1776.4	1779.5	1781.5	1784.6	1786.6
5°	1757.0	1761.1	1760.1	1757.0	1758.1	1755.0	1757.0	1760.1	1762.1	1763.2
7.5°	1736.6	1740.7	1738.7	1733.6	1733.6	1730.5	1731.5	1734.6	1737.6	1738.7
10°	1731.5	1735.6	1729.5	1721.3	1718.2	1714.2	1715.2	1718.2	1724.4	1727.4
12.5°	1733.6	1736.6	1730.5	1718.2	1715.2	1711.1	1711.1	1714.2	1722.3	1726.4
15°	1739.7	1742.7	1733.6	1720.3	1717.2	1714.2	1713.1	1717.2	1726.4	1733.6
17.5°	1750.9	1754.0	1739.7	1721.3	1717.2	1718.2	1717.2	1720.3	1734.6	1747.8
20°	1761.1	1763.2	1743.8	1721.3	1717.2	1718.2	1717.2	1723.3	1741.7	1760.1
22.5°	1764.2	1766.2	1747.8	1728.4	1725.4	1726.4	1725.4	1731.5	1748.9	1767.2
25°	1765.2	1768.3	1754.0	1738.7	1743.8	1745.8	1743.8	1744.8	1758.1	1774.4
27.5°	1780.5	1784.6	1771.3	1758.1	1761.1	1760.1	1763.2	1766.2	1776.4	1792.8
30°	1812.2	1815.2	1804.0	1790.7	1788.7	1781.5	1790.7	1800.9	1812.2	1826.5
32.5°	1864.2	1870.4	1856.1	1841.8	1832.6	1828.5	1835.6	1853.0	1868.3	1883.6
35°	1951.0	1955.1	1941.8	1915.3	1898.9	1898.9	1905.1	1927.5	1952.0	1971.4
37.5°	2073.5	2078.6	2055.1	2023.5	1999.0	1999.0	2007.2	2030.6	2067.4	2095.0
40°	2222.6	2229.7	2200.1	2167.5	2144.0	2139.9	2150.1	2176.6	2211.4	2246.1
42.5°	2402.3	2410.4	2371.6	2343.1	2324.7	2324.7	2329.8	2354.3	2385.9	2428.8
45°	2632.0	2646.3	2593.2	2564.6	2547.2	2551.3	2554.4	2575.8	2604.4	2653.4
47.5°	2905.6	2919.9	2863.7	2834.1	2831.1	2850.5	2838.2	2853.5	2868.8	2925.0
50°	3216.0	3240.5	3201.7	3199.6	3205.7	3241.5	3212.9	3221.1	3203.7	3239.4
52.5°	3595.7	3631.5	3624.3	3636.6	3705.0	3778.5	3713.2	3684.6	3619.2	3630.5
55°	4056.2	4110.3	4120.5	4194.0	4349.2	4499.3	4360.4	4245.1	4106.2	4080.7
57.5°	4579.9	4622.8	4671.8	4821.9	5111.8	5378.3	5111.8	4856.6	4638.1	4586.1
60°	5143.5	5196.6	5243.5	5465.1	5895.9	6270.6	5887.7	5482.4	5193.5	5123.1
62.5°	5748.9	5817.3	5850.0	6096.0	6598.3	7045.5	6605.5	6114.4	5793.8	5718.3
65°	6329.8	6386.0	6422.7	6685.1	7164.9	7613.1	7197.6	6713.7	6383.9	6284.9
67.5°	6600.4	6631.0	6720.8	7017.9	7524.3	8035.8	7610.1	7049.6	6681.0	6507.5
70°	6204.2	6142.0	6358.4	6834.2	7567.2	8295.1	7665.2	6819.9	6368.6	6086.8
72.5°	4794.3	4687.1	5062.8	5876.5	7077.1	8129.7	7126.1	5922.5	5296.6	4724.9
75°	2608.5	2487.0	3005.6	4034.7	5643.7	7046.5	5773.4	4150.1	3346.6	2589.1
77.5°	736.1	690.2	1108.7	1952.0	3394.6	4947.5	3525.3	1994.9	1315.0	780.0
80°	225.6	218.5	296.1	588.1	1441.6	2369.6	1385.4	595.2	376.7	237.9
82.5°	133.7	122.5	147.0	214.4	367.5	744.3	357.3	223.6	179.7	120.5
85°	76.6	71.5	86.8	104.1	123.5	158.2	103.1	106.2	96.0	64.3
87.5°	31.6	28.6	33.7	32.7	28.6	36.8	27.6	32.7	38.8	25.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1791.7
1785.6
1763.2
1738.7
1727.4
1727.4
1734.6
1747.8
1761.1
1767.2
1773.4
1788.7
1823.4
1877.5
1964.3
2084.8
2234.8
2425.7
2651.4
2908.7
3218.0
3592.7
4040.9
4549.3
5061.8
5657.0
6235.9
6509.5
6154.2
4866.8
2757.6
866.8
251.2
130.7
67.4
23.5
0.0

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