

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: P941760

Luminaire Tested: **GALN-SB5B-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941760
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-SB5B-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20015 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

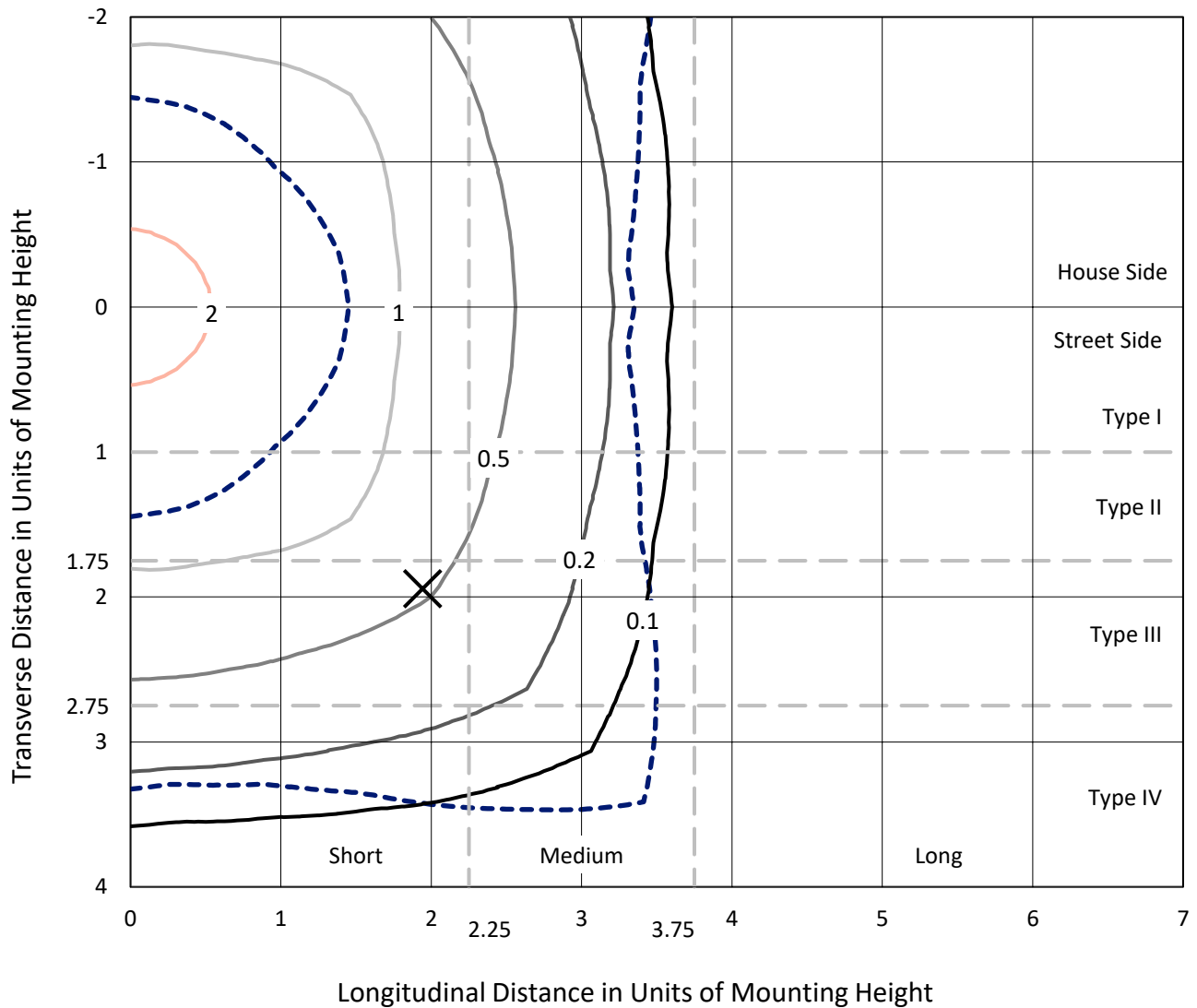
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

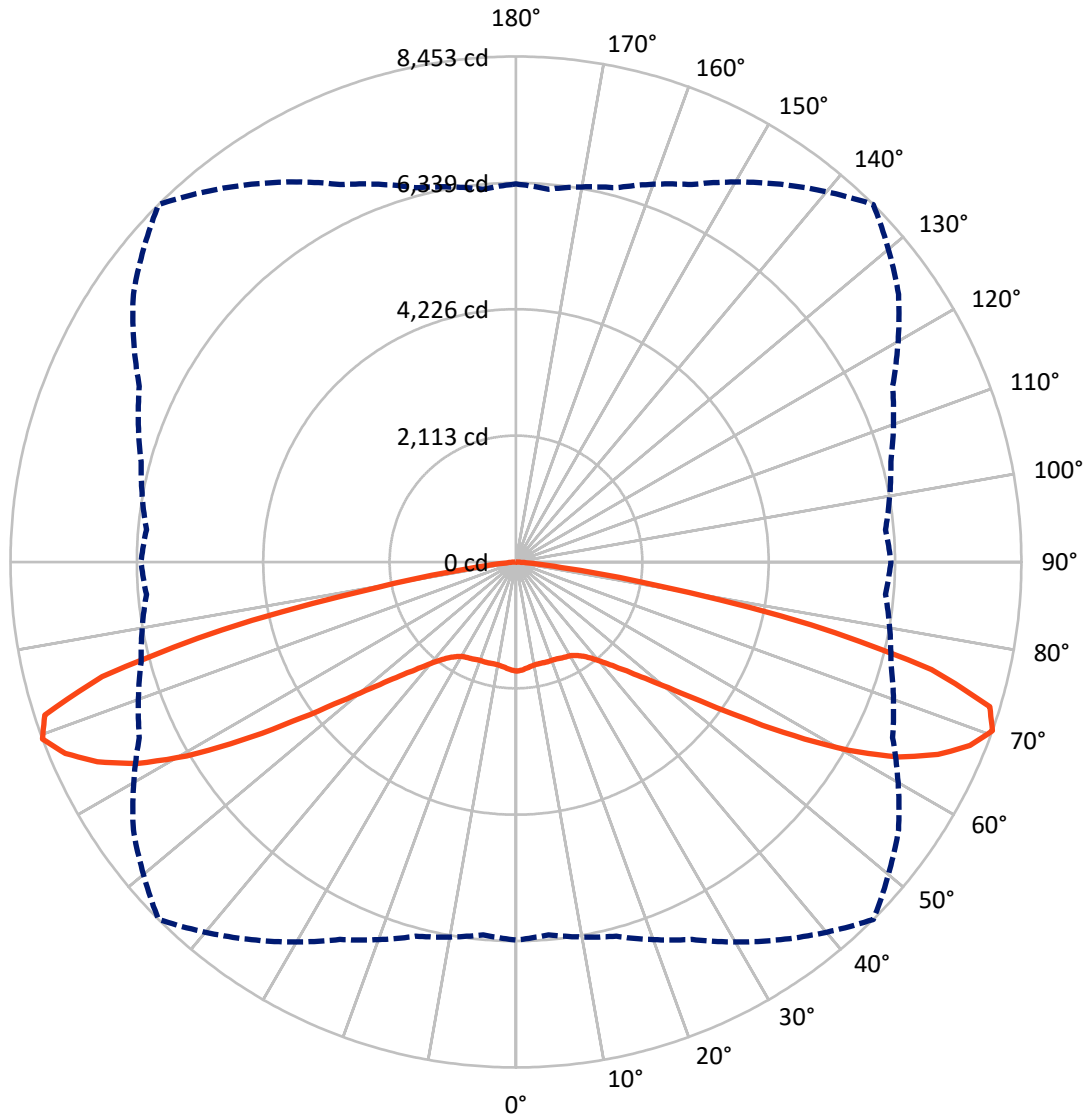
✕ Max cd
 - - - 1/2 Max cd



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	10007.5	0.0	10007.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10007.5	0.0	10007.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	20015.0	0.0	20015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	0.8
10°-20°	498.7	2.5
20°-30°	829.9	4.1
30°-40°	1255.1	6.3
40°-50°	2085.6	10.4
50°-60°	3935.4	19.7
60°-70°	6645.2	33.2
70°-80°	4366.5	21.8
80°-90°	228.8	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°	20015.0	100.0
0°-180°	20015.0	100.0

Coefficient of Utilization



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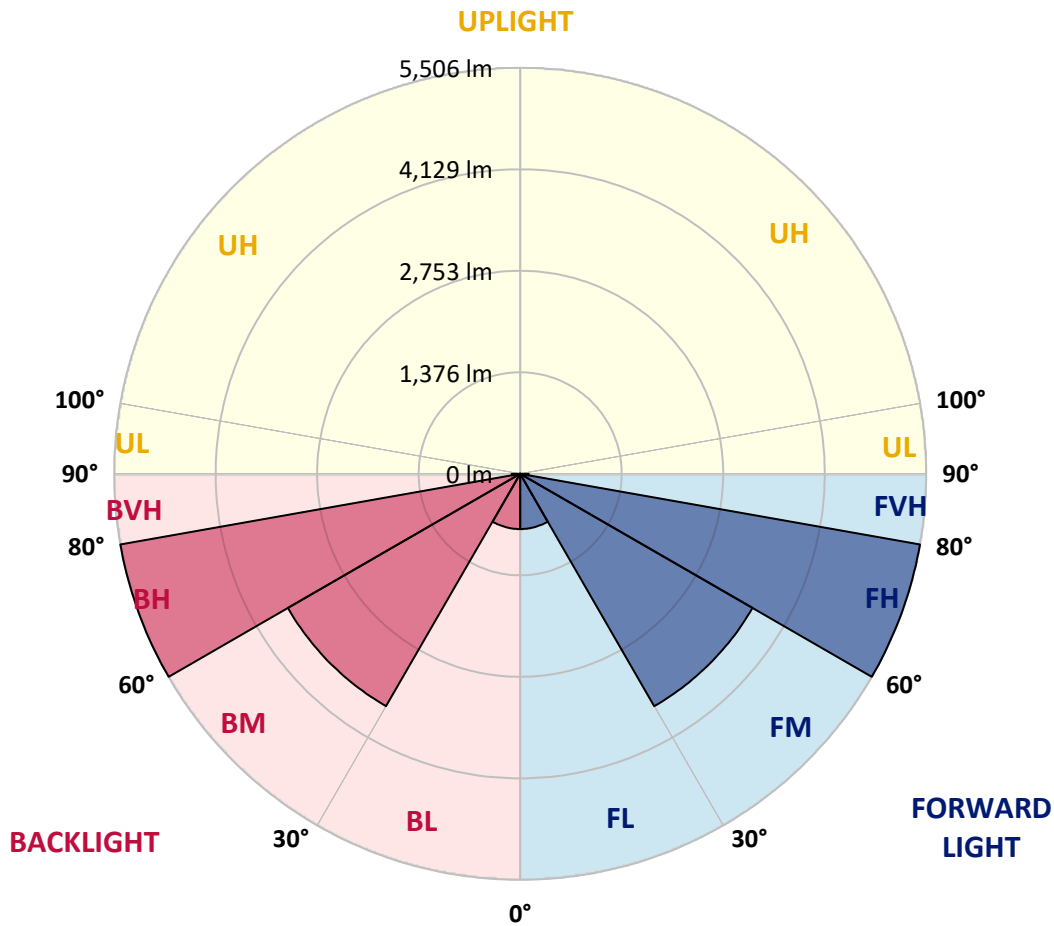
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	749.2	3.7			
FM (30°-60°)	3638.0	18.2			
FH (60°-80°)	5505.9	27.5			G3/7500
FVH (80°-90°)	114.4	0.6			G2/225
BL (0°-30°)	749.2	3.7	B2/1000		
BM (30°-60°)	3638.0	18.2	B3/5000		
BH (60°-80°)	5505.9	27.5	B5		G3/7500
BVH (80°-90°)	114.4	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°	1825.8	1825.8	1825.8	1825.8	1825.8	1825.8	1825.8	1825.8	1825.8	1825.8
2.5°	1814.3	1819.5	1817.4	1813.3	1813.3	1810.2	1813.3	1815.4	1818.5	1820.6
5°	1790.4	1794.6	1793.5	1790.4	1791.4	1788.3	1790.4	1793.5	1795.6	1796.6
7.5°	1769.6	1773.8	1771.7	1766.5	1766.5	1763.4	1764.4	1767.5	1770.6	1771.7
10°	1764.4	1768.6	1762.3	1754.0	1750.9	1746.7	1747.7	1750.9	1757.1	1760.2
12.5°	1766.5	1769.6	1763.4	1750.9	1747.7	1743.6	1743.6	1746.7	1755.0	1759.2
15°	1772.7	1775.8	1766.5	1752.9	1749.8	1746.7	1745.7	1749.8	1759.2	1766.5
17.5°	1784.2	1787.3	1772.7	1754.0	1749.8	1750.9	1749.8	1752.9	1767.5	1781.0
20°	1794.6	1796.6	1776.9	1754.0	1749.8	1750.9	1749.8	1756.1	1774.8	1793.5
22.5°	1797.7	1799.8	1781.0	1761.3	1758.1	1759.2	1758.1	1764.4	1782.1	1800.8
25°	1798.7	1801.8	1787.3	1771.7	1776.9	1779.0	1776.9	1777.9	1791.4	1808.1
27.5°	1814.3	1818.5	1805.0	1791.4	1794.6	1793.5	1796.6	1799.8	1810.2	1826.8
30°	1846.6	1849.7	1838.3	1824.7	1822.7	1815.4	1824.7	1835.1	1846.6	1861.1
32.5°	1899.6	1905.9	1891.3	1876.7	1867.4	1863.2	1870.5	1888.2	1903.8	1919.4
35°	1988.1	1992.2	1978.7	1951.7	1935.0	1935.0	1941.2	1964.1	1989.1	2008.9
37.5°	2112.9	2118.1	2094.2	2061.9	2037.0	2037.0	2045.3	2069.2	2106.7	2134.7
40°	2264.8	2272.1	2241.9	2208.6	2184.7	2180.5	2190.9	2218.0	2253.3	2288.7
42.5°	2447.9	2456.2	2416.7	2387.5	2368.8	2368.8	2374.0	2399.0	2431.2	2474.9
45°	2682.0	2696.5	2642.4	2613.3	2595.6	2599.8	2602.9	2624.7	2653.9	2703.8
47.5°	2960.8	2975.3	2918.1	2887.9	2884.8	2904.6	2892.1	2907.7	2923.3	2980.5
50°	3277.0	3302.0	3262.5	3260.4	3266.6	3303.0	3273.9	3282.2	3264.5	3301.0
52.5°	3664.0	3700.4	3693.2	3705.6	3775.3	3850.2	3783.7	3754.5	3688.0	3699.4
55°	4133.2	4188.3	4198.8	4273.7	4431.8	4584.7	4443.2	4325.7	4184.2	4158.2
57.5°	4666.9	4710.6	4760.5	4913.5	5208.9	5480.4	5208.9	4948.8	4726.2	4673.1
60°	5241.2	5295.3	5343.1	5568.9	6007.9	6389.7	5999.6	5586.5	5292.1	5220.4
62.5°	5858.1	5927.8	5961.1	6211.8	6723.6	7179.3	6730.9	6230.5	5903.8	5826.9
65°	6450.0	6507.2	6544.7	6812.1	7301.0	7757.7	7334.3	6841.2	6505.2	6404.2
67.5°	6725.7	6756.9	6848.5	7151.2	7667.2	8188.4	7754.6	7183.4	6807.9	6631.0
70°	6322.1	6258.6	6479.1	6963.9	7710.9	8452.6	7810.8	6949.4	6489.5	6202.4
72.5°	4885.4	4776.1	5159.0	5988.1	7211.5	8284.1	7261.5	6034.9	5397.2	4814.6
75°	2658.0	2534.2	3062.7	4111.4	5750.9	7180.3	5883.0	4228.9	3410.2	2638.3
77.5°	750.1	703.3	1129.8	1989.1	3459.1	5041.4	3592.2	2032.8	1339.9	794.8
80°	229.9	222.6	301.7	599.2	1468.9	2414.6	1411.7	606.5	383.9	242.4
82.5°	136.3	124.8	149.8	218.5	374.5	758.4	364.1	227.8	183.1	122.8
85°	78.0	72.8	88.4	106.1	125.9	161.3	105.1	108.2	97.8	65.5
87.5°	32.3	29.1	34.3	33.3	29.1	37.5	28.1	33.3	39.5	26.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1825.8
1819.5
1796.6
1771.7
1760.2
1760.2
1767.5
1781.0
1794.6
1800.8
1807.0
1822.7
1858.0
1913.2
2001.6
2124.3
2277.3
2471.8
2701.7
2963.9
3279.1
3660.9
4117.6
4635.7
5157.9
5764.4
6354.3
6633.1
6271.1
4959.2
2809.9
883.2
255.9
133.2
68.7
23.9
0.0

OF REPORT)