

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: P940740

Luminaire Tested: **GALN-SB3D-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940740
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-SB3D-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21484 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

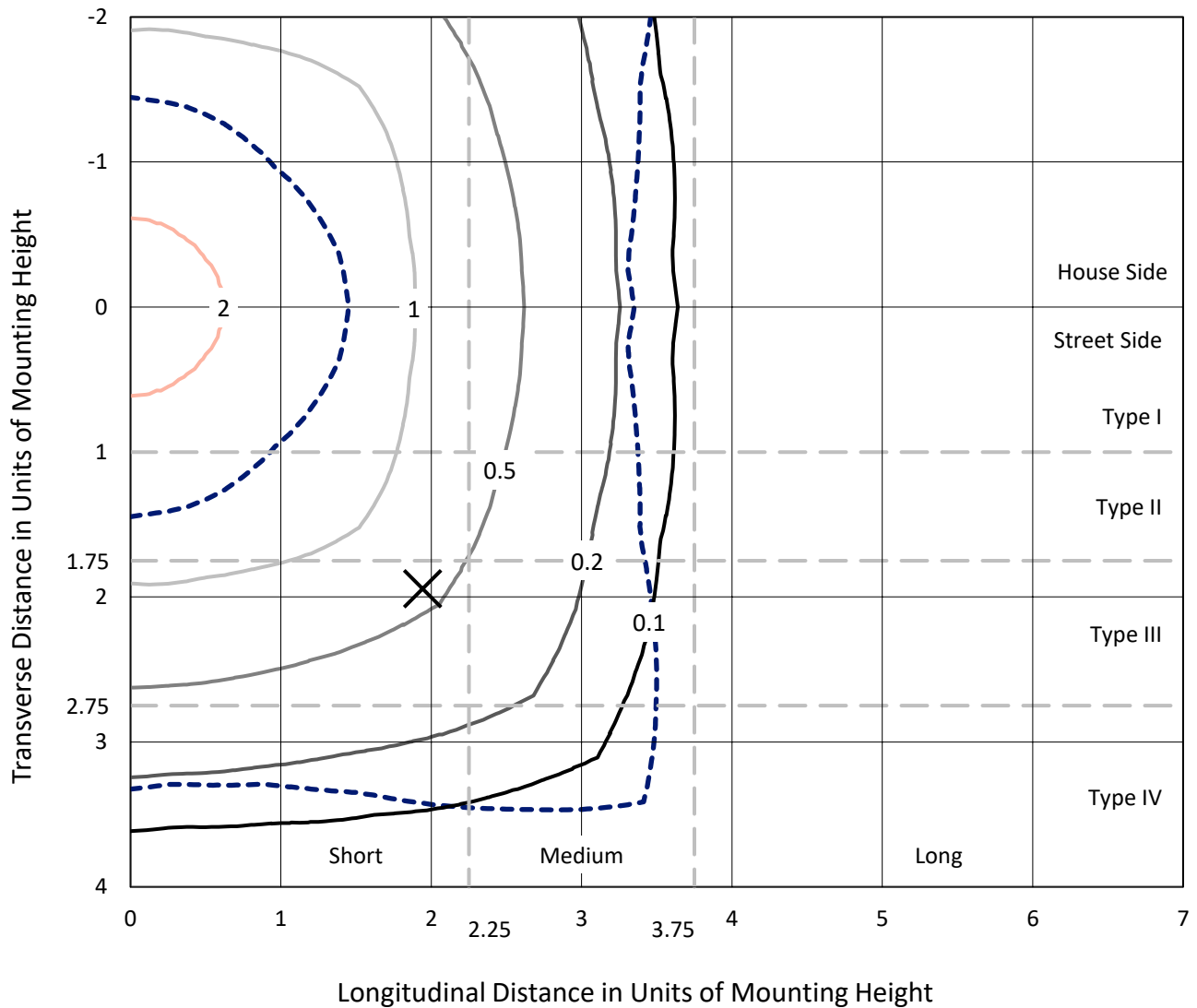
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

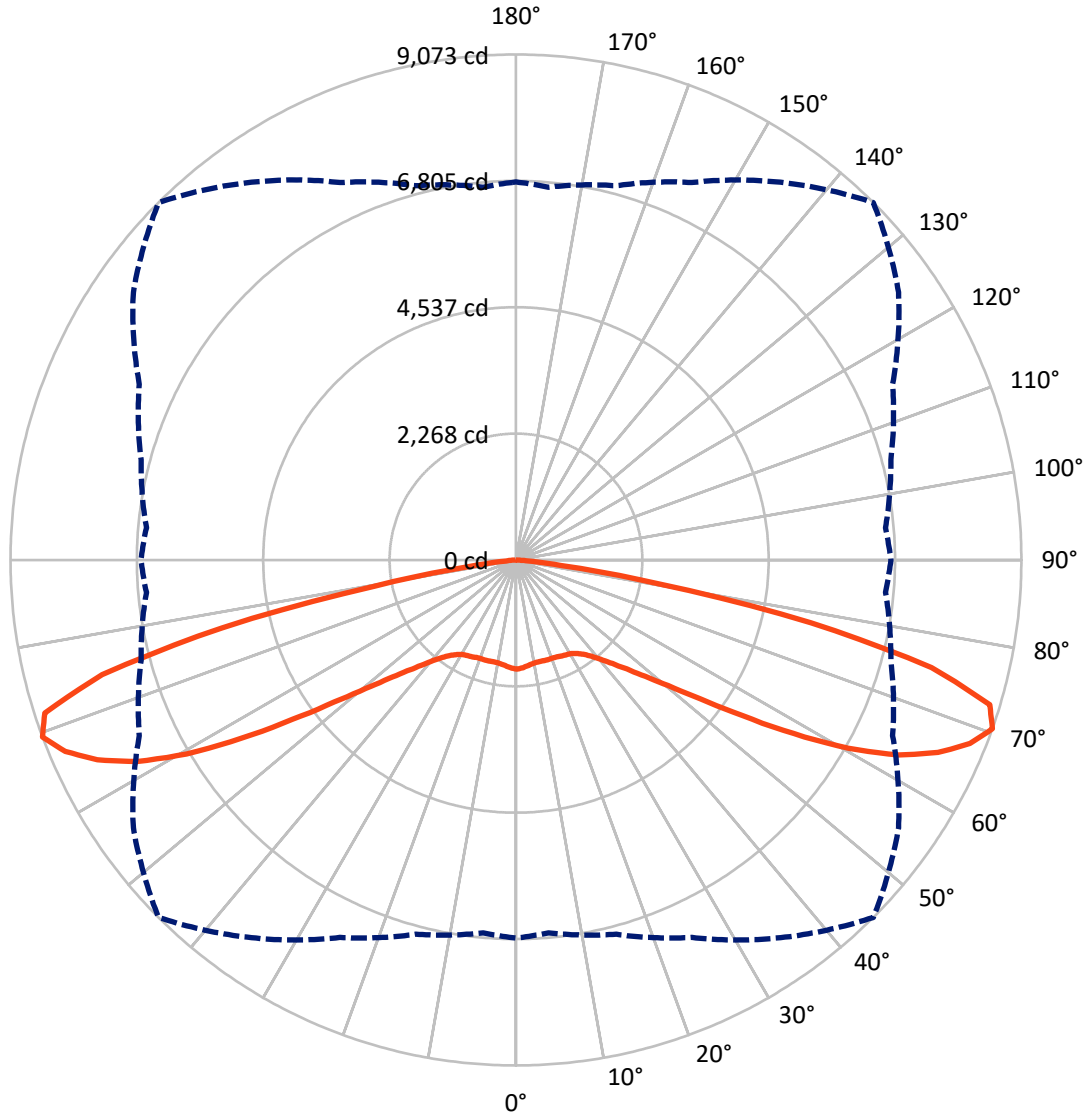
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	10742.0	0.0	10742.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10742.0	0.0	10742.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21484.0	0.0	21484.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	0.8
10°-20°	535.3	2.5
20°-30°	890.8	4.1
30°-40°	1347.2	6.3
40°-50°	2238.7	10.4
50°-60°	4224.3	19.7
60°-70°	7132.9	33.2
70°-80°	4687.0	21.8
80°-90°	245.6	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°	21484.0	100.0
0°-180°	21484.0	100.0

Coefficient of Utilization



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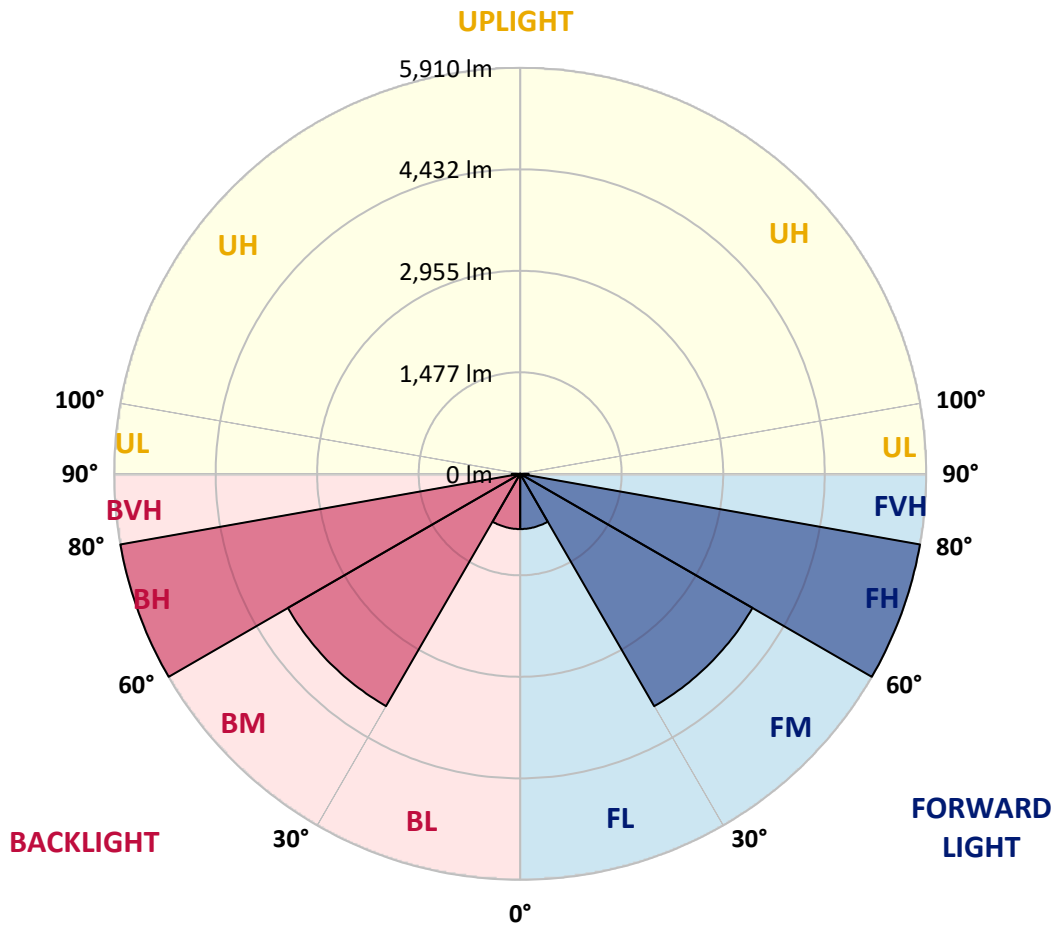
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.2	3.7			
FM (30°-60°)	3905.1	18.2			
FH (60°-80°)	5910.0	27.5			G3/7500
FVH (80°-90°)	122.8	0.6			G2/225
BL (0°-30°)	804.2	3.7	B2/1000		
BM (30°-60°)	3905.1	18.2	B3/5000		
BH (60°-80°)	5910.0	27.5	B5		G3/7500
BVH (80°-90°)	122.8	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°	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8	1959.8
2.5°	1947.5	1953.1	1950.8	1946.4	1946.4	1943.0	1946.4	1948.6	1952.0	1954.2
5°	1921.8	1926.3	1925.2	1921.8	1922.9	1919.6	1921.8	1925.2	1927.4	1928.5
7.5°	1899.5	1903.9	1901.7	1896.1	1896.1	1892.8	1893.9	1897.2	1900.6	1901.7
10°	1893.9	1898.4	1891.7	1882.7	1879.4	1874.9	1876.0	1879.4	1886.1	1889.4
12.5°	1896.1	1899.5	1892.8	1879.4	1876.0	1871.6	1871.6	1874.9	1883.8	1888.3
15°	1902.8	1906.2	1896.1	1881.6	1878.3	1874.9	1873.8	1878.3	1888.3	1896.1
17.5°	1915.1	1918.5	1902.8	1882.7	1878.3	1879.4	1878.3	1881.6	1897.2	1911.8
20°	1926.3	1928.5	1907.3	1882.7	1878.3	1879.4	1878.3	1885.0	1905.1	1925.2
22.5°	1929.6	1931.9	1911.8	1890.5	1887.2	1888.3	1887.2	1893.9	1912.9	1933.0
25°	1930.7	1934.1	1918.5	1901.7	1907.3	1909.5	1907.3	1908.4	1922.9	1940.8
27.5°	1947.5	1952.0	1937.4	1922.9	1926.3	1925.2	1928.5	1931.9	1943.0	1960.9
30°	1982.1	1985.5	1973.2	1958.7	1956.4	1948.6	1958.7	1969.8	1982.1	1997.7
32.5°	2039.1	2045.8	2030.1	2014.5	2004.4	2000.0	2007.8	2026.8	2043.5	2060.3
35°	2134.0	2138.4	2123.9	2094.9	2077.0	2077.0	2083.7	2108.3	2135.1	2156.3
37.5°	2268.0	2273.6	2247.9	2213.3	2186.5	2186.5	2195.4	2221.1	2261.3	2291.4
40°	2431.0	2438.8	2406.4	2370.7	2345.0	2340.6	2351.7	2380.8	2418.7	2456.7
42.5°	2627.5	2636.5	2594.0	2562.8	2542.7	2542.7	2548.3	2575.1	2609.7	2656.6
45°	2878.8	2894.4	2836.4	2805.1	2786.1	2790.6	2793.9	2817.4	2848.7	2902.3
47.5°	3178.1	3193.7	3132.3	3099.9	3096.6	3117.8	3104.4	3121.1	3137.9	3199.3
50°	3517.5	3544.3	3501.9	3499.7	3506.4	3545.5	3514.2	3523.1	3504.1	3543.2
52.5°	3932.9	3972.0	3964.2	3977.6	4052.4	4132.8	4061.4	4030.1	3958.6	3970.9
55°	4436.6	4495.8	4506.9	4587.3	4757.1	4921.2	4769.3	4643.2	4491.3	4463.4
57.5°	5009.4	5056.3	5109.9	5274.1	5591.2	5882.7	5591.2	5312.0	5073.1	5016.1
60°	5625.8	5683.9	5735.3	5977.6	6448.8	6858.6	6439.9	5996.6	5680.6	5603.5
62.5°	6288.0	6362.8	6398.6	6667.7	7217.1	7706.2	7224.9	6687.8	6337.2	6254.5
65°	6923.4	6984.8	7025.0	7312.0	7836.9	8327.1	7872.6	7343.3	6982.6	6874.3
67.5°	7219.3	7252.8	7351.1	7676.1	8229.9	8789.4	8323.7	7710.7	7307.6	7117.7
70°	6786.1	6717.9	6954.7	7475.1	8276.8	9073.0	8384.0	7459.4	6965.8	6657.6
72.5°	5243.9	5126.7	5537.6	6427.6	7740.8	8892.1	7794.4	6477.9	5793.3	5168.0
75°	2853.1	2720.2	3287.5	4413.1	6173.0	7707.3	6314.8	4539.3	3660.5	2831.9
77.5°	805.1	754.9	1212.7	2135.1	3713.0	5411.4	3855.9	2182.0	1438.3	853.1
80°	246.8	239.0	323.8	643.2	1576.8	2591.8	1515.3	651.0	412.1	260.2
82.5°	146.3	134.0	160.8	234.5	402.0	814.1	390.8	244.6	196.5	131.8
85°	83.8	78.2	94.9	113.9	135.1	173.1	112.8	116.1	105.0	70.4
87.5°	34.6	31.3	36.9	35.7	31.3	40.2	30.2	35.7	42.4	27.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1959.8
1953.1
1928.5
1901.7
1889.4
1889.4
1897.2
1911.8
1926.3
1933.0
1939.7
1956.4
1994.4
2053.6
2148.5
2280.3
2444.4
2653.2
2900.0
3181.4
3519.8
3929.6
4419.8
4975.9
5536.5
6187.5
6820.7
7120.0
6731.3
5323.2
3016.2
948.1
274.7
142.9
73.7
25.7
0.0

OF REPORT)