

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: P951151

Luminaire Tested: **GALN-SB5B-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18133 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

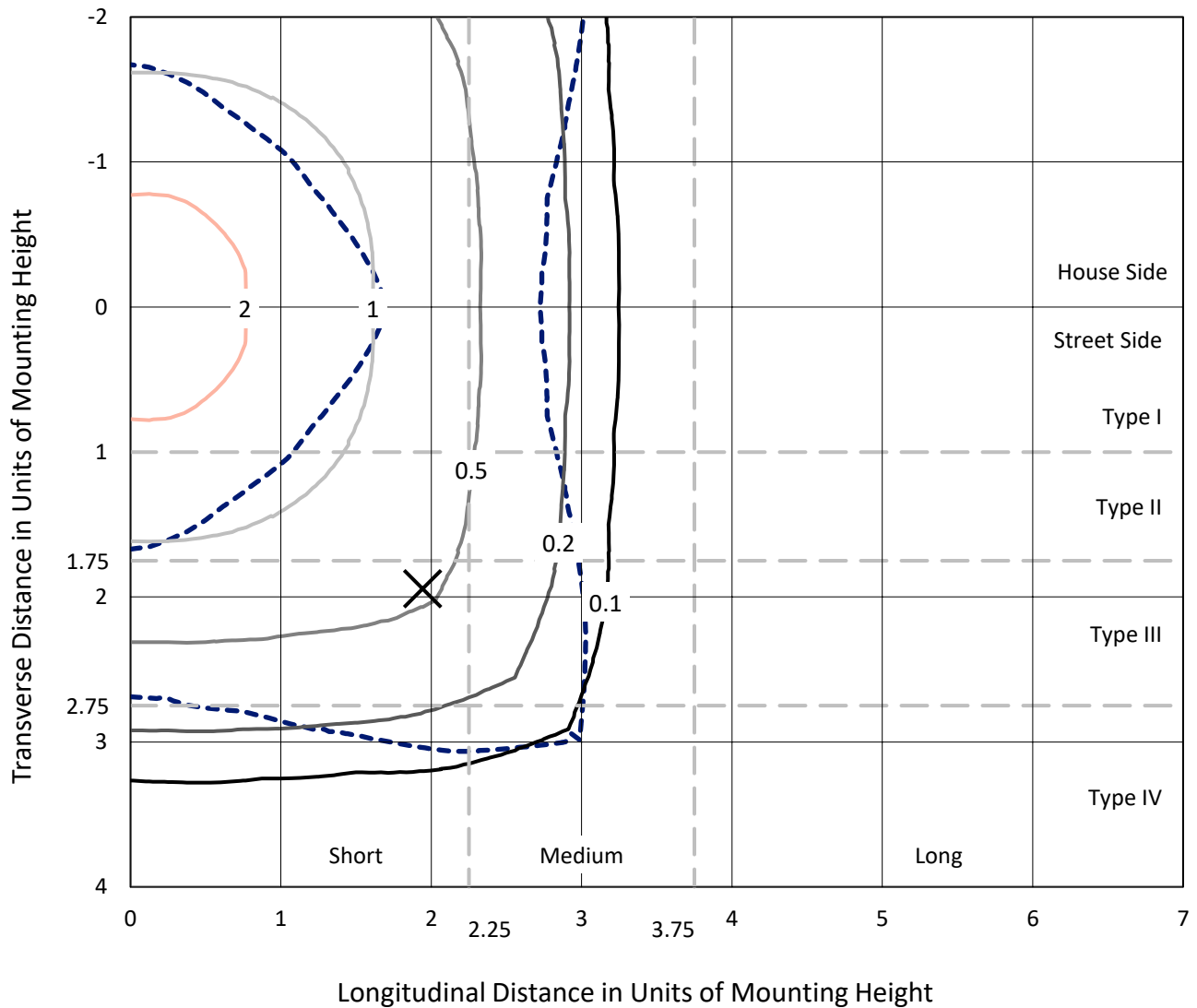
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951151
 CATALOG NUMBER: GALN-SB5B-927-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

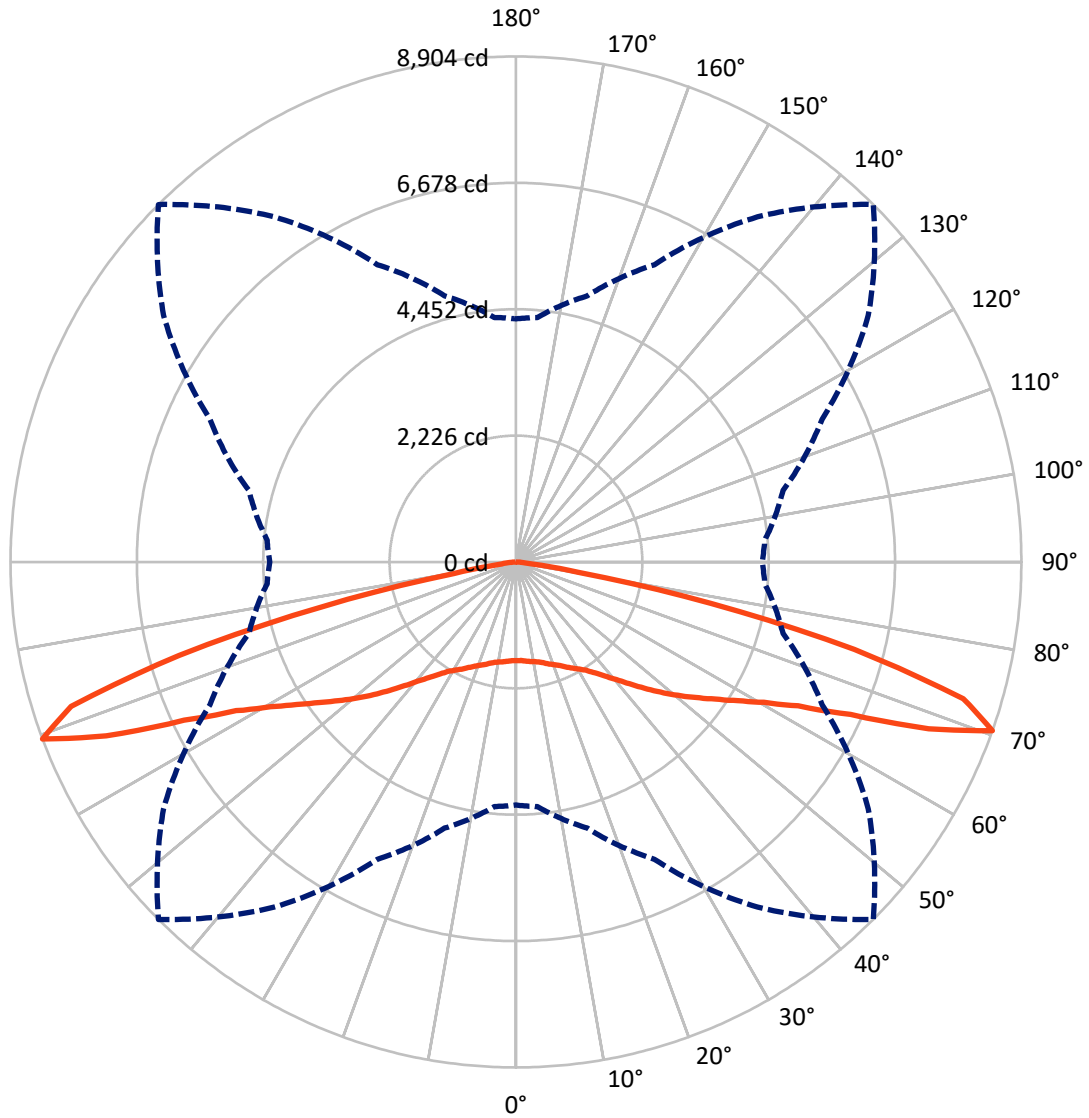
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

REPORT NUMBER: P951151
CATALOG NUMBER: GALN-SB5B-927-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P951151

CATALOG NUMBER: GALN-SB5B-927-U-5MQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9066.5	0.0	9066.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9066.5	0.0	9066.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18133.0	0.0	18133.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.7	0.9
10°-20°	523.3	2.9
20°-30°	935.1	5.2
30°-40°	1515.8	8.4
40°-50°	2469.0	13.6
50°-60°	3764.4	20.8
60°-70°	5600.3	30.9
70°-80°	3052.3	16.8
80°-90°	103.9	0.6
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°	18133.0	100.0
0°-180°	18133.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951151

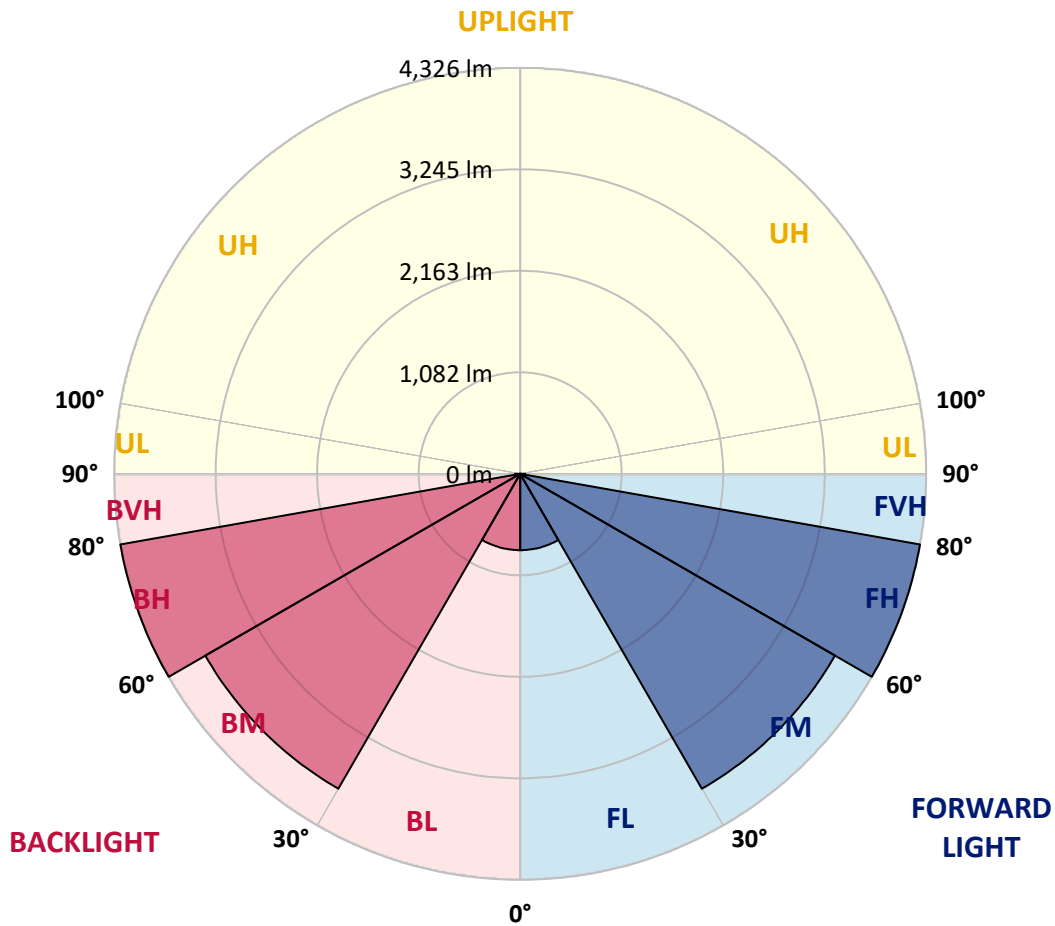
CATALOG NUMBER: GALN-SB5B-927-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	813.6	4.5			
FM (30°-60°)	3874.6	21.4			
FH (60°-80°)	4326.3	23.9			G2/5000
FVH (80°-90°)	52.0	0.3			G1/100
BL (0°-30°)	813.6	4.5	B2/1000		
BM (30°-60°)	3874.6	21.4	B3/5000		
BH (60°-80°)	4326.3	23.9	B4/5000		G2/5000
BVH (80°-90°)	52.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P951151
 CATALOG NUMBER: GALN-SB5B-927-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1737.0	1737.0	1737.0	1737.0	1737.0	1737.0	1737.0	1737.0	1737.0	1737.0
2.5°	1745.1	1747.0	1743.3	1741.5	1739.7	1737.0	1737.9	1742.4	1746.1	1745.1
5°	1759.7	1761.5	1758.8	1757.9	1754.3	1753.3	1753.3	1757.9	1760.6	1758.8
7.5°	1776.1	1778.8	1774.3	1773.4	1771.5	1769.7	1768.8	1773.4	1776.1	1776.1
10°	1791.6	1794.3	1790.7	1787.9	1786.1	1786.1	1784.3	1787.9	1792.5	1791.6
12.5°	1808.0	1809.8	1806.1	1804.3	1804.3	1807.1	1804.3	1806.1	1809.8	1808.0
15°	1828.0	1828.9	1828.0	1830.7	1835.3	1844.4	1836.2	1834.4	1836.2	1831.6
17.5°	1855.3	1857.1	1860.8	1867.1	1873.5	1889.9	1875.3	1870.8	1870.8	1861.7
20°	1889.0	1891.7	1897.2	1908.1	1916.3	1931.8	1917.2	1910.8	1908.1	1896.3
22.5°	1924.5	1929.0	1937.2	1951.8	1966.4	1980.9	1966.4	1955.4	1947.2	1931.8
25°	1965.5	1970.9	1983.7	2007.3	2027.4	2048.3	2031.0	2009.1	1992.8	1970.9
27.5°	2023.7	2030.1	2045.6	2074.7	2100.2	2118.4	2102.0	2073.8	2051.0	2024.6
30°	2105.6	2112.0	2130.2	2161.2	2178.5	2190.3	2179.4	2157.5	2130.2	2100.2
32.5°	2211.2	2219.4	2239.5	2268.6	2272.2	2274.1	2270.4	2259.5	2239.5	2203.1
35°	2345.1	2354.2	2376.9	2400.6	2397.0	2400.6	2395.1	2391.5	2376.9	2335.1
37.5°	2508.9	2519.9	2543.5	2561.7	2552.6	2548.1	2549.0	2549.9	2541.7	2495.3
40°	2699.2	2713.8	2731.1	2750.2	2734.7	2721.0	2730.1	2737.4	2730.1	2682.8
42.5°	2894.9	2915.9	2934.1	2961.4	2948.6	2931.3	2944.1	2952.3	2936.8	2885.8
45°	3112.5	3132.5	3156.2	3197.2	3188.1	3169.8	3188.1	3189.9	3163.5	3103.4
47.5°	3337.4	3358.3	3393.8	3448.4	3444.8	3424.7	3448.4	3435.7	3402.0	3330.1
50°	3550.4	3579.5	3634.1	3710.6	3717.9	3693.3	3725.2	3700.6	3644.1	3554.0
52.5°	3750.7	3781.6	3868.1	3971.9	3998.3	3966.4	4009.2	3966.4	3881.7	3766.1
55°	3960.9	3995.5	4098.4	4234.1	4286.9	4263.2	4303.2	4238.6	4118.4	3978.2
57.5°	4208.6	4229.5	4352.4	4513.5	4602.7	4608.2	4626.4	4517.2	4371.5	4212.2
60°	4477.1	4506.2	4640.1	4833.1	4974.2	5019.7	5000.6	4838.5	4669.2	4486.2
62.5°	4821.2	4853.1	5013.3	5244.5	5467.6	5580.5	5505.8	5270.9	5061.6	4842.2
65°	5106.2	5141.7	5431.2	5843.6	6249.6	6476.3	6288.7	5856.3	5479.4	5169.9
67.5°	4899.5	4943.2	5397.5	6154.9	7164.5	7840.9	7199.1	6247.8	5509.5	5089.8
70°	4282.3	4323.3	4853.1	5778.9	7422.1	8904.2	7576.9	5949.2	4870.4	4400.6
72.5°	2843.0	2975.0	3511.2	4621.9	6627.4	8239.6	6692.9	4528.1	3257.2	2836.7
75°	943.1	1048.7	1414.7	2396.0	4438.9	6162.2	4225.9	2120.2	1120.6	806.6
77.5°	237.6	274.0	377.8	685.5	1770.6	3508.5	1594.0	559.9	305.0	213.0
80°	115.6	127.4	182.1	228.5	443.3	1115.2	416.0	214.8	143.8	111.1
82.5°	63.7	64.6	102.9	129.3	164.8	288.6	171.1	125.6	82.8	67.4
85°	39.1	38.2	54.6	69.2	69.2	102.9	81.9	69.2	47.3	41.9
87.5°	15.5	15.5	20.0	21.8	19.1	26.4	20.9	22.8	18.2	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1737.0
1746.1
1759.7
1776.1
1791.6
1807.1
1831.6
1861.7
1896.3
1930.9
1970.0
2023.7
2100.2
2204.0
2335.1
2495.3
2682.8
2889.5
3109.8
3325.5
3552.2
3755.2
3959.1
4190.4
4457.1
4803.9
5118.9
5027.0
4337.8
2744.7
762.9
190.3
102.0
67.4
43.7
18.2
0.0

OF REPORT)