

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: P942400

Luminaire Tested: **GALN-SB6B-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942400
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-SB6B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21024 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

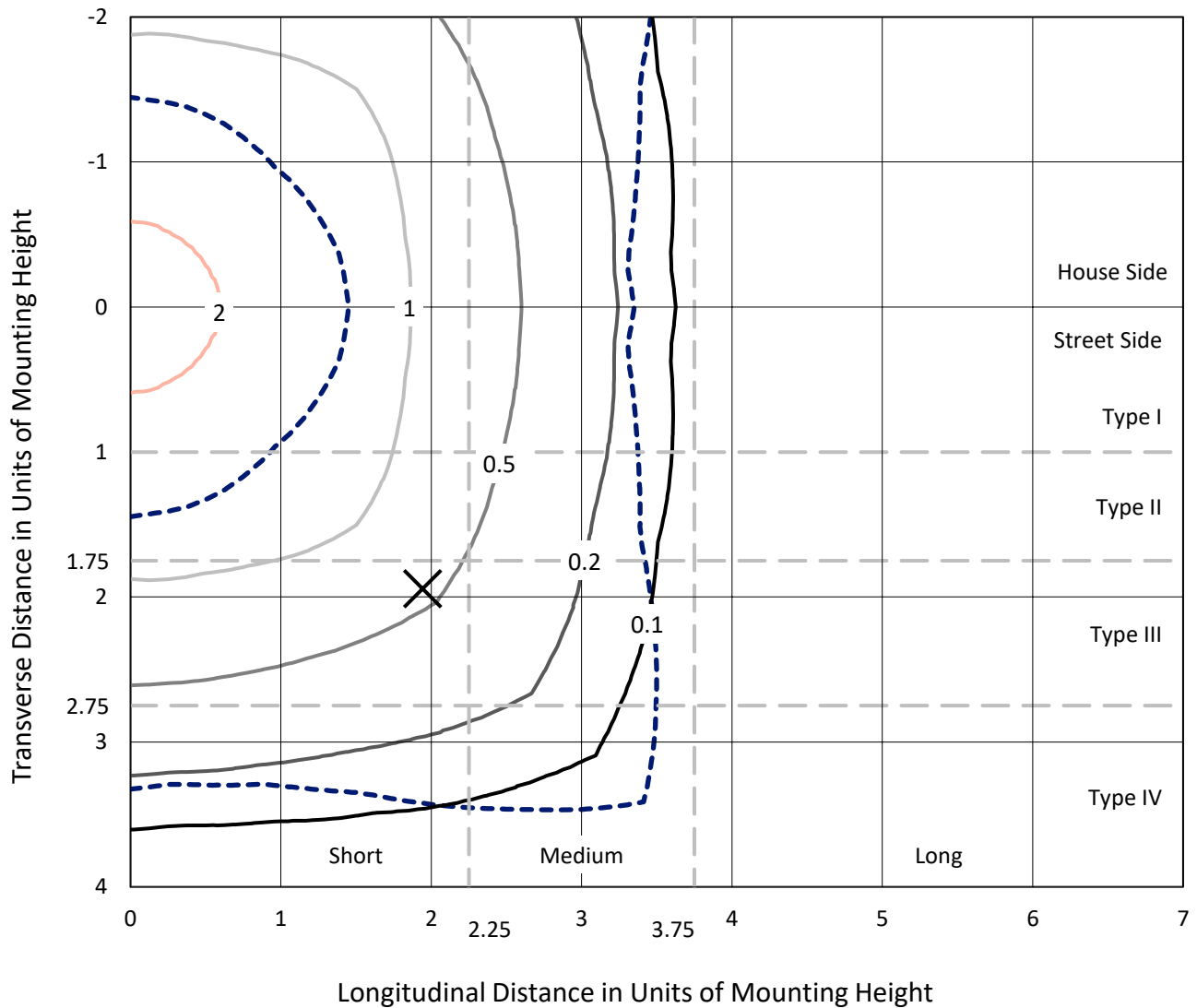
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942400
 CATALOG NUMBER: GALN-SB6B-927-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

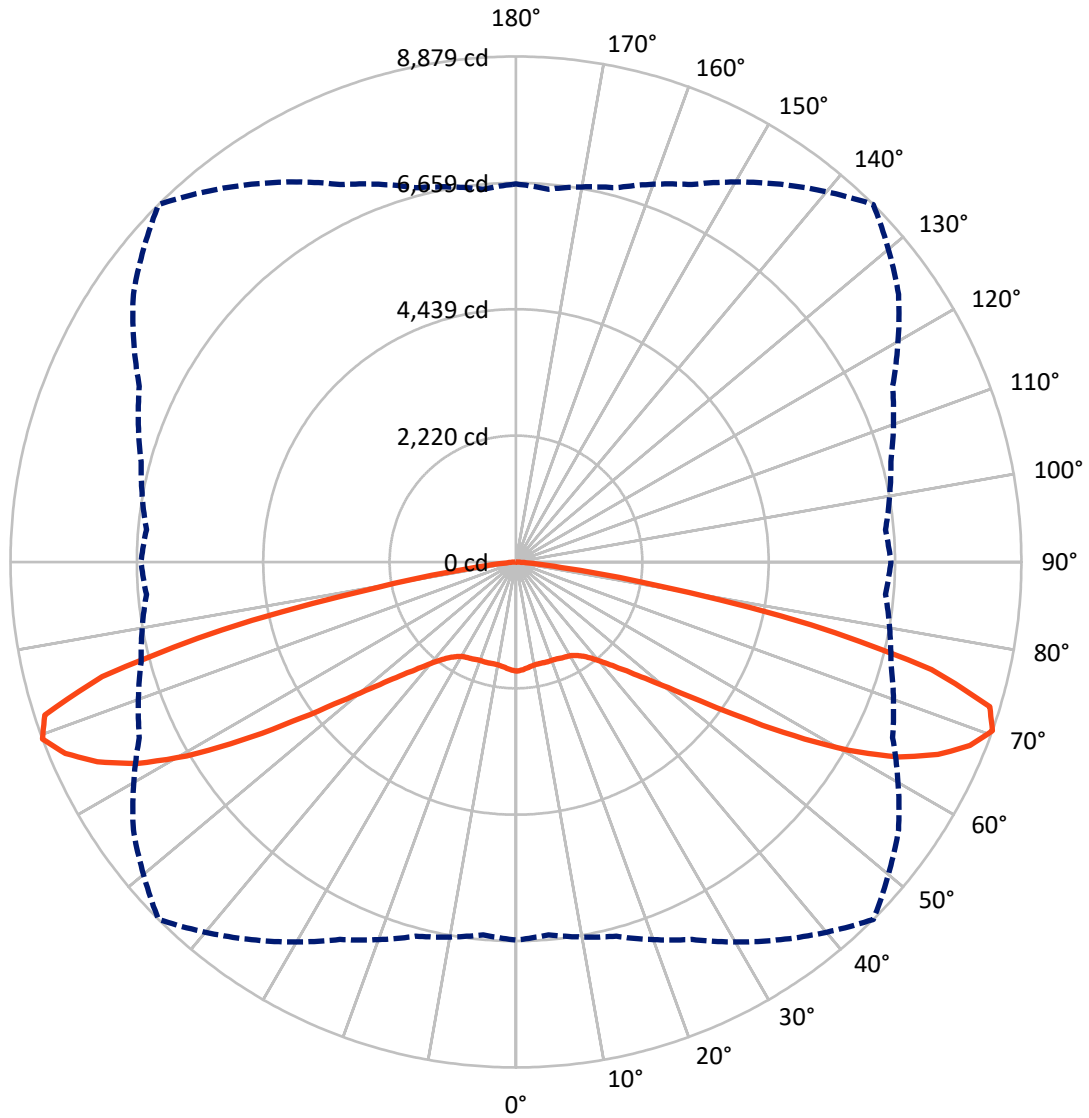
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

REPORT NUMBER: P942400
CATALOG NUMBER: GALN-SB6B-927-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P942400

CATALOG NUMBER: GALN-SB6B-927-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10512.0	0.0	10512.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10512.0	0.0	10512.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21024.0	0.0	21024.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.4	0.8
10°-20°	523.8	2.5
20°-30°	871.7	4.1
30°-40°	1318.3	6.3
40°-50°	2190.7	10.4
50°-60°	4133.8	19.7
60°-70°	6980.2	33.2
70°-80°	4586.7	21.8
80°-90°	240.3	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°	21024.0	100.0
0°-180°	21024.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942400

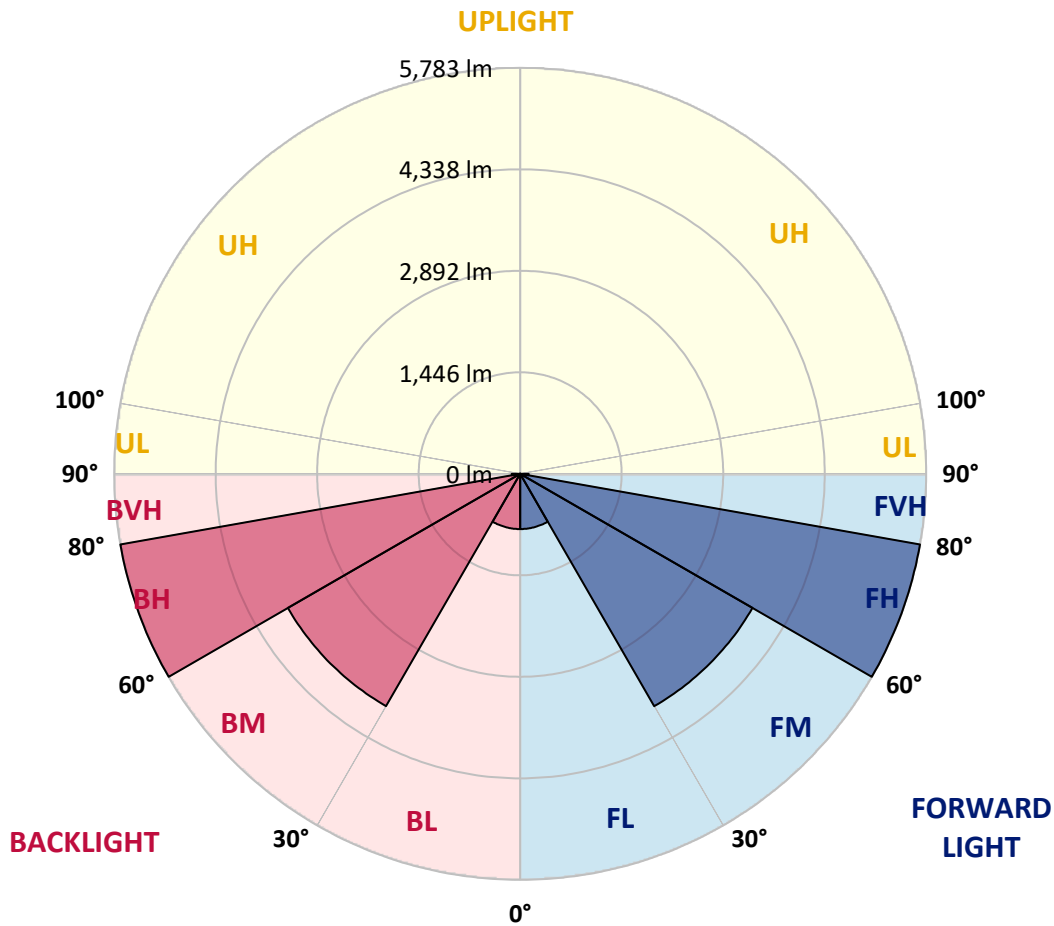
CATALOG NUMBER: GALN-SB6B-927-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	787.0	3.7			
FM (30°-60°)	3821.4	18.2			
FH (60°-80°)	5783.4	27.5			G3/7500
FVH (80°-90°)	120.1	0.6			G2/225
BL (0°-30°)	787.0	3.7	B2/1000		
BM (30°-60°)	3821.4	18.2	B3/5000		
BH (60°-80°)	5783.4	27.5	B5		G3/7500
BVH (80°-90°)	120.1	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



REPORT NUMBER: P942400

CATALOG NUMBER: GALN-SB6B-927-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1917.8	1917.8	1917.8	1917.8	1917.8	1917.8	1917.8	1917.8	1917.8	1917.8
2.5°	1905.8	1911.3	1909.1	1904.7	1904.7	1901.4	1904.7	1906.9	1910.2	1912.3
5°	1880.7	1885.0	1883.9	1880.7	1881.8	1878.5	1880.7	1883.9	1886.1	1887.2
7.5°	1858.8	1863.2	1861.0	1855.5	1855.5	1852.2	1853.3	1856.6	1859.9	1861.0
10°	1853.3	1857.7	1851.2	1842.4	1839.1	1834.8	1835.9	1839.1	1845.7	1849.0
12.5°	1855.5	1858.8	1852.2	1839.1	1835.9	1831.5	1831.5	1834.8	1843.5	1847.9
15°	1862.1	1865.4	1855.5	1841.3	1838.0	1834.8	1833.7	1838.0	1847.9	1855.5
17.5°	1874.1	1877.4	1862.1	1842.4	1838.0	1839.1	1838.0	1841.3	1856.6	1870.8
20°	1885.0	1887.2	1866.5	1842.4	1838.0	1839.1	1838.0	1844.6	1864.3	1883.9
22.5°	1888.3	1890.5	1870.8	1850.1	1846.8	1847.9	1846.8	1853.3	1871.9	1891.6
25°	1889.4	1892.7	1877.4	1861.0	1866.5	1868.6	1866.5	1867.5	1881.8	1899.2
27.5°	1905.8	1910.2	1896.0	1881.8	1885.0	1883.9	1887.2	1890.5	1901.4	1918.9
30°	1939.7	1942.9	1930.9	1916.7	1914.5	1906.9	1916.7	1927.6	1939.7	1955.0
32.5°	1995.4	2002.0	1986.7	1971.4	1961.5	1957.2	1964.8	1983.4	1999.8	2016.2
35°	2088.3	2092.7	2078.4	2050.0	2032.6	2032.6	2039.1	2063.2	2089.4	2110.1
37.5°	2219.4	2224.9	2199.7	2165.9	2139.6	2139.6	2148.4	2173.5	2212.9	2242.4
40°	2379.0	2386.6	2354.9	2320.0	2294.8	2290.4	2301.4	2329.8	2366.9	2404.1
42.5°	2571.3	2580.0	2538.5	2507.9	2488.2	2488.2	2493.7	2519.9	2553.8	2599.7
45°	2817.2	2832.5	2775.6	2745.0	2726.5	2730.8	2734.1	2757.1	2787.7	2840.1
47.5°	3110.0	3125.3	3065.2	3033.5	3030.3	3051.0	3037.9	3054.3	3070.7	3130.8
50°	3442.2	3468.5	3426.9	3424.7	3431.3	3469.5	3438.9	3447.7	3429.1	3467.4
52.5°	3848.7	3887.0	3879.3	3892.4	3965.7	4044.3	3974.4	3943.8	3873.9	3885.9
55°	4341.6	4399.5	4410.4	4489.1	4655.2	4815.8	4667.2	4543.7	4395.1	4367.8
57.5°	4902.2	4948.1	5000.5	5161.2	5471.5	5756.7	5471.5	5198.3	4964.5	4908.7
60°	5505.4	5562.2	5612.5	5849.6	6310.7	6711.8	6302.0	5868.2	5558.9	5483.5
62.5°	6153.4	6226.6	6261.6	6524.9	7062.6	7541.2	7070.2	6544.6	6201.5	6120.6
65°	6775.2	6835.3	6874.6	7155.5	7669.1	8148.8	7704.0	7186.1	6833.1	6727.1
67.5°	7064.8	7097.5	7193.7	7511.7	8053.7	8601.2	8145.5	7545.6	7151.1	6965.3
70°	6640.8	6574.1	6805.8	7315.0	8099.6	8878.8	8204.5	7299.7	6816.7	6515.1
72.5°	5131.6	5016.9	5419.0	6290.0	7575.1	8701.7	7627.5	6339.2	5669.3	5057.3
75°	2792.0	2662.0	3217.1	4318.6	6040.8	7542.3	6179.6	4442.1	3582.1	2771.3
77.5°	787.9	738.7	1186.7	2089.4	3633.5	5295.6	3773.3	2135.3	1407.5	834.9
80°	241.5	233.9	316.9	629.4	1543.0	2536.3	1482.9	637.1	403.2	254.6
82.5°	143.2	131.1	157.4	229.5	393.4	796.6	382.5	239.3	192.3	128.9
85°	82.0	76.5	92.9	111.5	132.2	169.4	110.4	113.6	102.7	68.8
87.5°	33.9	30.6	36.1	35.0	30.6	39.3	29.5	35.0	41.5	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1917.8
1911.3
1887.2
1861.0
1849.0
1849.0
1856.6
1870.8
1885.0
1891.6
1898.1
1914.5
1951.7
2009.6
2102.5
2231.4
2392.1
2596.4
2837.9
3113.3
3444.4
3845.5
4325.2
4869.4
5418.0
6055.0
6674.6
6967.5
6587.2
5209.2
2951.6
927.8
268.8
139.9
72.1
25.1
0.0

OF REPORT)