

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: STREETWORKS

Report Number: P849891

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849891
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-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: 20780 lumens
Efficiency: N/A
Efficacy: 104.4 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

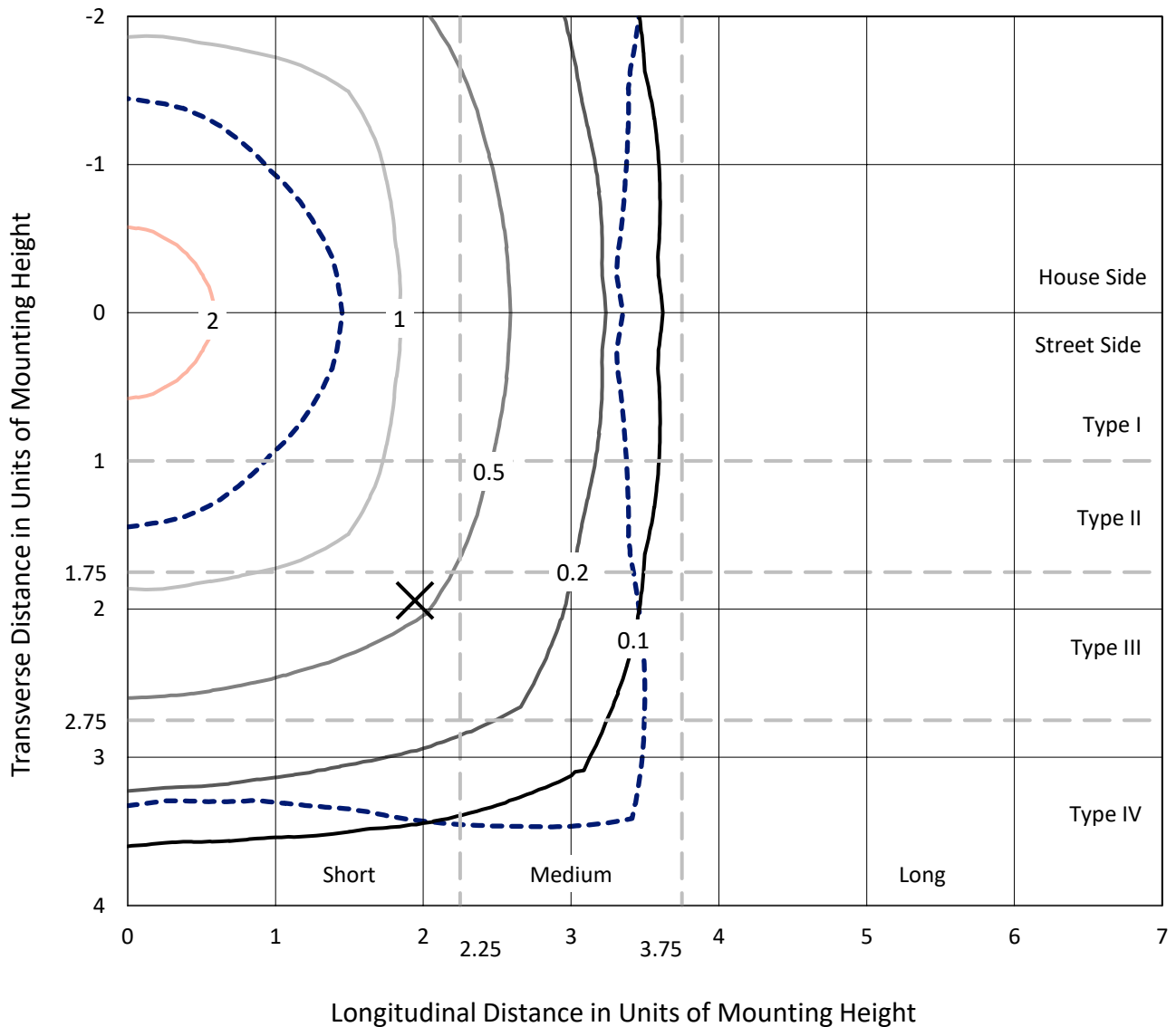
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849891
 CATALOG NUMBER: GLAN-SB7A-927-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

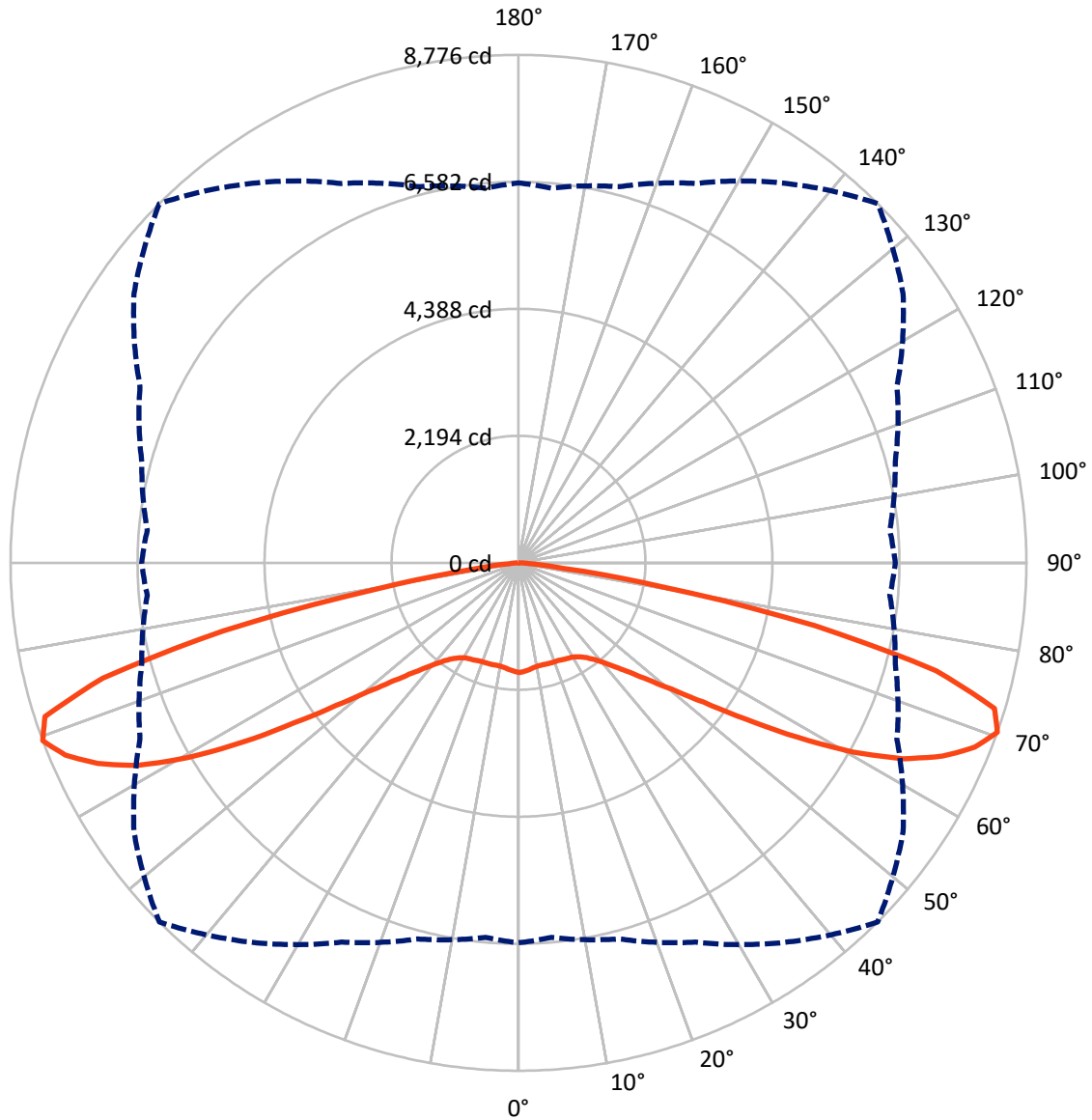
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

REPORT NUMBER: P849891
CATALOG NUMBER: GLAN-SB7A-927-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849891
 CATALOG NUMBER: GLAN-SB7A-927-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10390.0	0.0	10390.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10390.0	0.0	10390.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20780.0	0.0	20780.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.3	0.8
10°-20°	517.8	2.5
20°-30°	861.6	4.1
30°-40°	1303.0	6.3
40°-50°	2165.3	10.4
50°-60°	4085.9	19.7
60°-70°	6899.1	33.2
70°-80°	4533.5	21.8
80°-90°	237.5	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°	20780.0	100.0
0°-180°	20780.0	100.0

Coefficient of Utilization



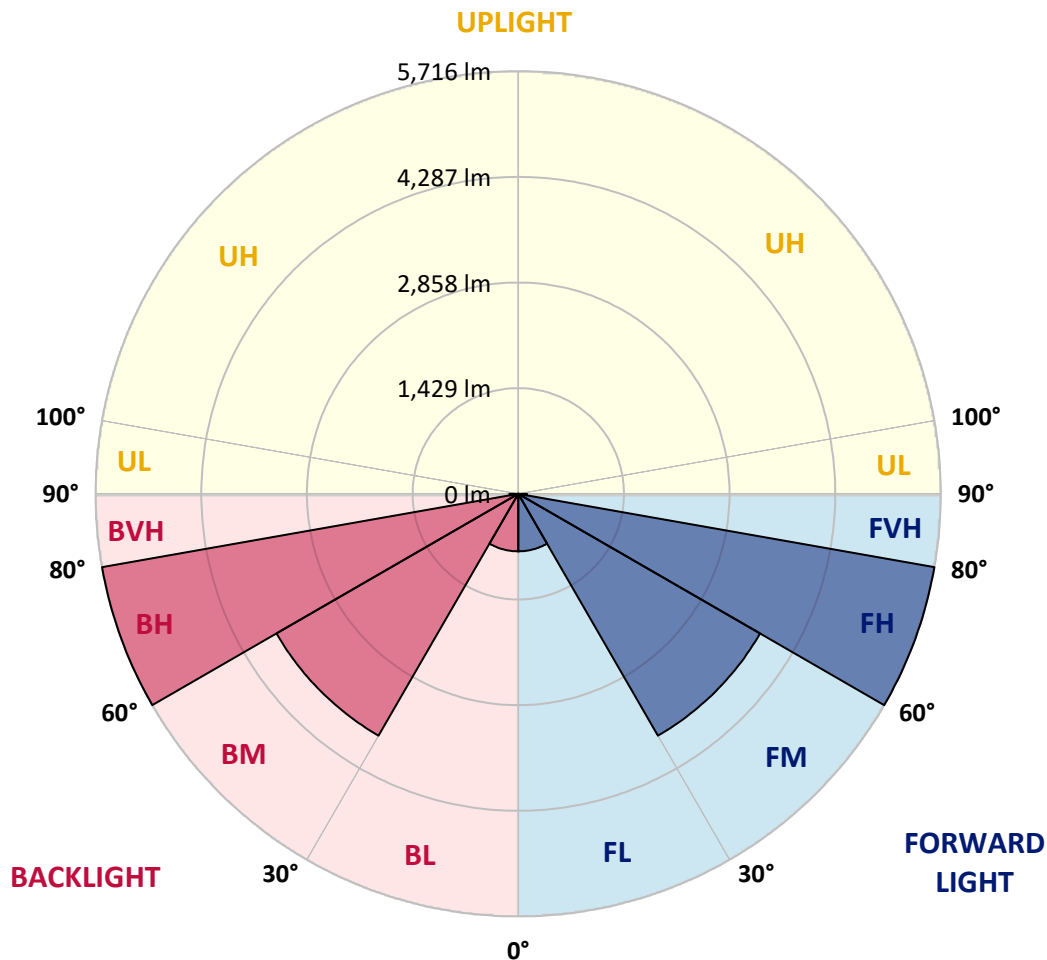
REPORT NUMBER: P849891
 CATALOG NUMBER: GLAN-SB7A-927-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	777.8	3.7			
FM (30°-60°)	3777.1	18.2			
FH (60°-80°)	5716.3	27.5			G3/7500
FVH (80°-90°)	118.8	0.6			G2/225
BL (0°-30°)	777.8	3.7	B2/1000		
BM (30°-60°)	3777.1	18.2	B3/5000		
BH (60°-80°)	5716.3	27.5	B5		G3/7500
BVH (80°-90°)	118.8	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



REPORT NUMBER: P849891
 CATALOG NUMBER: GLAN-SB7A-927-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1895.6	1895.6	1895.6	1895.6	1895.6	1895.6	1895.6	1895.6	1895.6	1895.6
2.5°	1883.7	1889.1	1886.9	1882.6	1882.6	1879.4	1882.6	1884.8	1888.0	1890.2
5°	1858.8	1863.2	1862.1	1858.8	1859.9	1856.7	1858.8	1862.1	1864.2	1865.3
7.5°	1837.2	1841.5	1839.4	1834.0	1834.0	1830.7	1831.8	1835.1	1838.3	1839.4
10°	1831.8	1836.1	1829.7	1821.0	1817.8	1813.5	1814.5	1817.8	1824.3	1827.5
12.5°	1834.0	1837.2	1830.7	1817.8	1814.5	1810.2	1810.2	1813.5	1822.1	1826.4
15°	1840.5	1843.7	1834.0	1819.9	1816.7	1813.5	1812.4	1816.7	1826.4	1834.0
17.5°	1852.4	1855.6	1840.5	1821.0	1816.7	1817.8	1816.7	1819.9	1835.1	1849.1
20°	1863.2	1865.3	1844.8	1821.0	1816.7	1817.8	1816.7	1823.2	1842.6	1862.1
22.5°	1866.4	1868.6	1849.1	1828.6	1825.3	1826.4	1825.3	1831.8	1850.2	1869.6
25°	1867.5	1870.7	1855.6	1839.4	1844.8	1847.0	1844.8	1845.9	1859.9	1877.2
27.5°	1883.7	1888.0	1874.0	1859.9	1863.2	1862.1	1865.3	1868.6	1879.4	1896.6
30°	1917.2	1920.4	1908.5	1894.5	1892.3	1884.8	1894.5	1905.3	1917.2	1932.3
32.5°	1972.2	1978.7	1963.6	1948.5	1938.8	1934.4	1942.0	1960.4	1976.6	1992.8
35°	2064.0	2068.4	2054.3	2026.2	2009.0	2009.0	2015.4	2039.2	2065.1	2085.6
37.5°	2193.7	2199.1	2174.2	2140.7	2114.8	2114.8	2123.5	2148.3	2187.2	2216.3
40°	2351.4	2358.9	2327.6	2293.0	2268.2	2263.9	2274.7	2302.7	2339.5	2376.2
42.5°	2541.4	2550.1	2509.0	2478.8	2459.4	2459.4	2464.8	2490.7	2524.2	2569.5
45°	2784.5	2799.6	2743.4	2713.2	2694.8	2699.1	2702.4	2725.1	2755.3	2807.1
47.5°	3073.9	3089.1	3029.6	2998.3	2995.1	3015.6	3002.6	3018.8	3035.0	3094.5
50°	3402.3	3428.2	3387.2	3385.0	3391.5	3429.3	3399.0	3407.7	3389.3	3427.1
52.5°	3804.1	3841.9	3834.3	3847.3	3919.6	3997.4	3928.3	3898.0	3828.9	3840.8
55°	4291.2	4348.4	4359.2	4437.0	4601.2	4759.9	4613.1	4491.0	4344.1	4317.1
57.5°	4845.3	4890.6	4942.5	5101.3	5408.0	5689.9	5408.0	5138.0	4906.8	4851.8
60°	5441.5	5497.6	5547.3	5781.7	6237.5	6633.9	6228.9	5800.1	5494.4	5419.9
62.5°	6082.0	6154.3	6188.9	6449.2	6980.6	7453.7	6988.2	6468.6	6129.5	6049.6
65°	6696.5	6756.0	6794.8	7072.4	7580.1	8054.2	7614.6	7102.7	6753.8	6649.0
67.5°	6982.8	7015.2	7110.2	7424.5	7960.2	8501.4	8051.0	7458.0	7068.1	6884.5
70°	6563.7	6497.8	6726.8	7230.1	8005.6	8775.7	8109.3	7215.0	6737.6	6439.5
72.5°	5072.1	4958.7	5356.2	6217.0	7487.2	8600.7	7539.0	6265.6	5603.5	4998.6
75°	2759.6	2631.1	3179.8	4268.5	5970.7	7454.8	6107.9	4390.6	3540.5	2739.1
77.5°	778.7	730.1	1173.0	2065.1	3591.3	5234.1	3729.5	2110.5	1391.2	825.2
80°	238.7	231.1	313.2	622.1	1525.1	2506.9	1465.7	629.7	398.6	251.7
82.5°	141.5	129.6	155.5	226.8	388.8	787.4	378.0	236.5	190.1	127.5
85°	81.0	75.6	91.8	110.2	130.7	167.4	109.1	112.3	101.5	68.0
87.5°	33.5	30.2	35.6	34.6	30.2	38.9	29.2	34.6	41.0	27.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1895.6
1889.1
1865.3
1839.4
1827.5
1827.5
1835.1
1849.1
1863.2
1869.6
1876.1
1892.3
1929.0
1986.3
2078.1
2205.5
2364.3
2566.3
2805.0
3077.2
3404.4
3800.8
4275.0
4812.9
5355.1
5984.8
6597.2
6886.6
6510.8
5148.8
2917.3
917.0
265.7
138.3
71.3
24.8
0.0

OF REPORT)