

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: P849901

Luminaire Tested: **GLAN-SB7A-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849901
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-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21770 lumens
Efficiency: N/A
Efficacy: 109.3 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

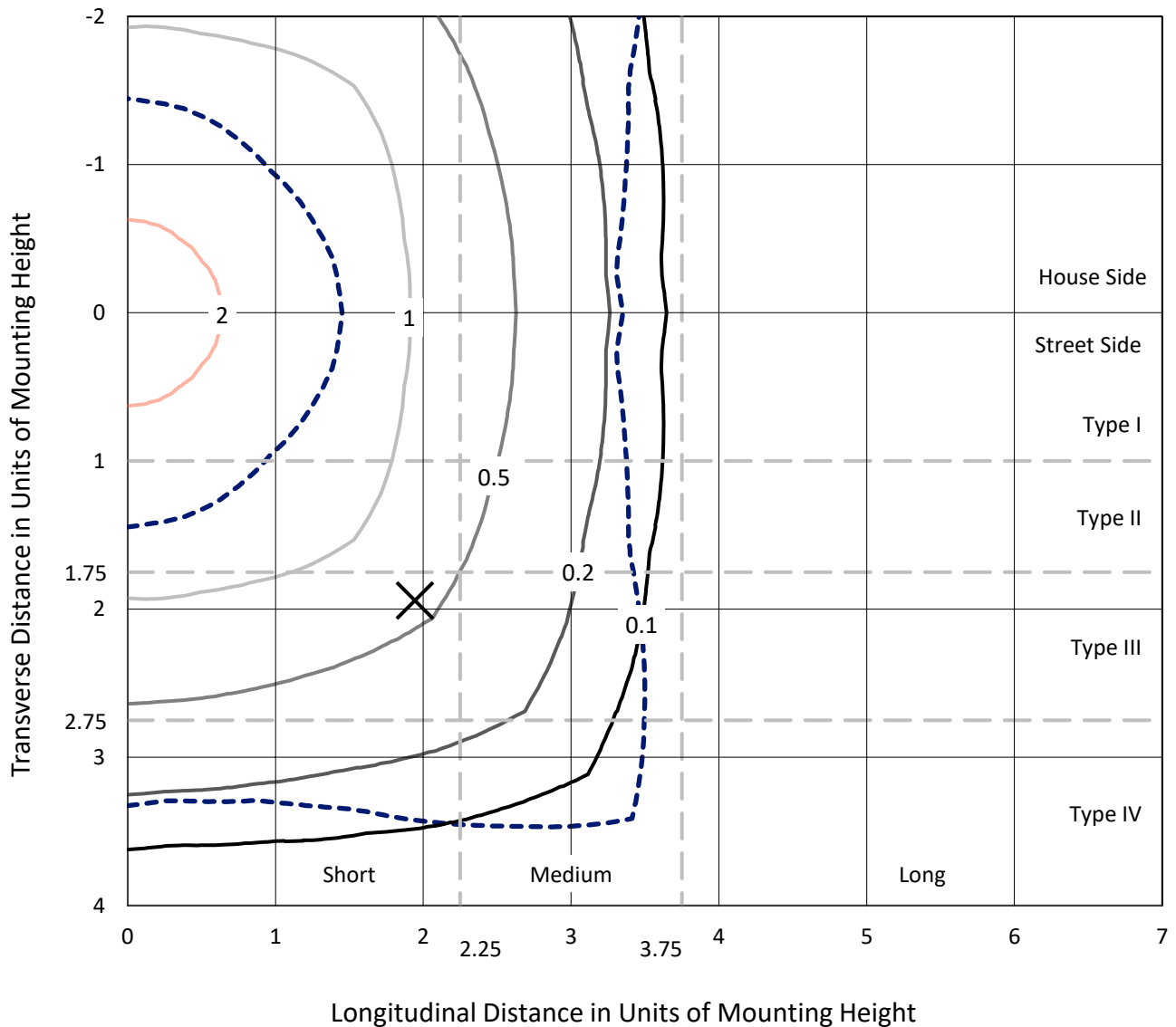
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

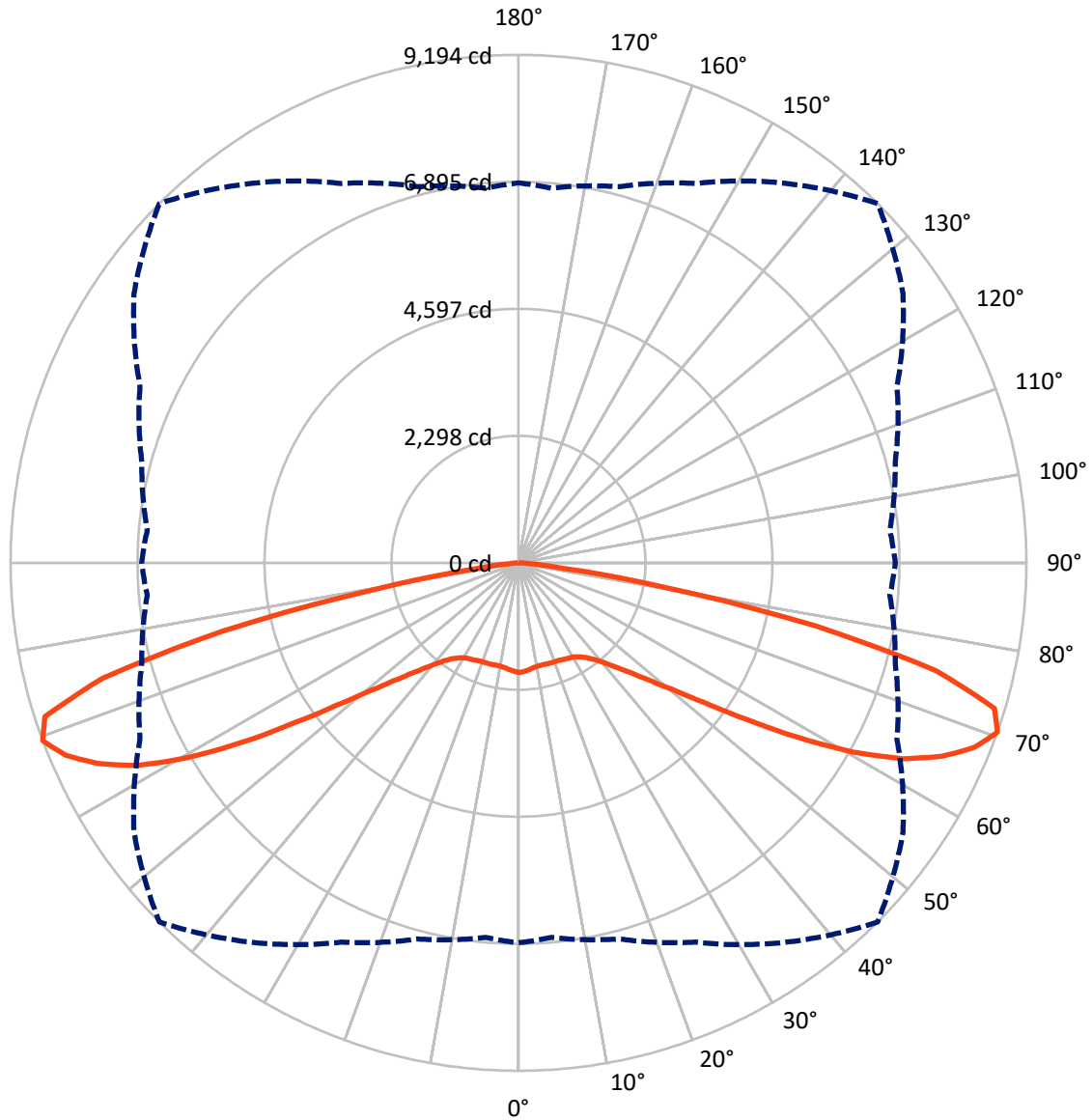
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	10885.0	0.0	10885.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10885.0	0.0	10885.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21770.0	0.0	21770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	0.8
10°-20°	542.4	2.5
20°-30°	902.7	4.1
30°-40°	1365.1	6.3
40°-50°	2268.5	10.4
50°-60°	4280.5	19.7
60°-70°	7227.8	33.2
70°-80°	4749.4	21.8
80°-90°	248.8	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°	21770.0	100.0
0°-180°	21770.0	100.0

Coefficient of Utilization



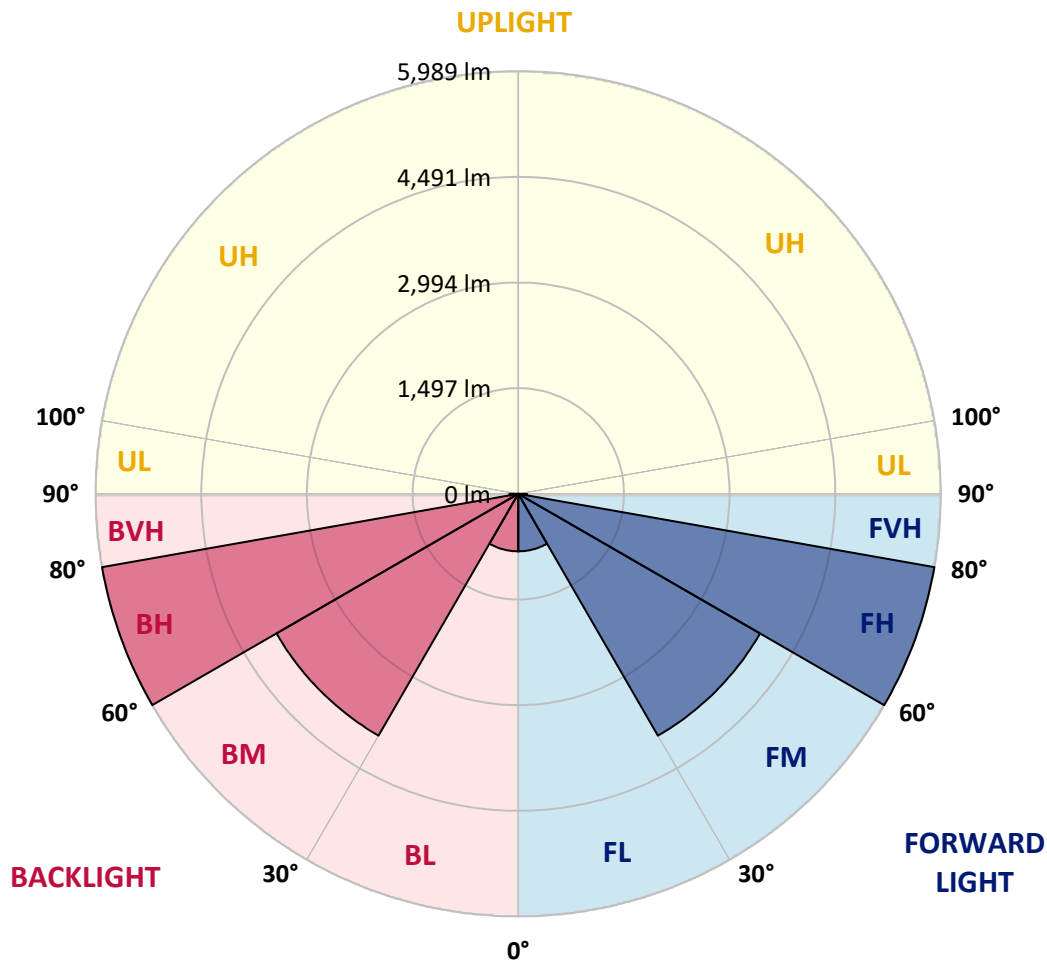
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	814.9	3.7			
FM (30°-60°)	3957.0	18.2			
FH (60°-80°)	5988.6	27.5			G3/7500
FVH (80°-90°)	124.4	0.6			G2/225
BL (0°-30°)	814.9	3.7	B2/1000		
BM (30°-60°)	3957.0	18.2	B3/5000		
BH (60°-80°)	5988.6	27.5	B5		G3/7500
BVH (80°-90°)	124.4	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°	1985.9	1985.9	1985.9	1985.9	1985.9	1985.9	1985.9	1985.9	1985.9	1985.9
2.5°	1973.4	1979.1	1976.8	1972.3	1972.3	1968.9	1972.3	1974.5	1977.9	1980.2
5°	1947.4	1951.9	1950.8	1947.4	1948.5	1945.1	1947.4	1950.8	1953.0	1954.2
7.5°	1924.8	1929.3	1927.0	1921.4	1921.4	1918.0	1919.1	1922.5	1925.9	1927.0
10°	1919.1	1923.6	1916.8	1907.8	1904.4	1899.9	1901.0	1904.4	1911.2	1914.6
12.5°	1921.4	1924.8	1918.0	1904.4	1901.0	1896.5	1896.5	1899.9	1908.9	1913.4
15°	1928.2	1931.5	1921.4	1906.7	1903.3	1899.9	1898.7	1903.3	1913.4	1921.4
17.5°	1940.6	1944.0	1928.2	1907.8	1903.3	1904.4	1903.3	1906.7	1922.5	1937.2
20°	1951.9	1954.2	1932.7	1907.8	1903.3	1904.4	1903.3	1910.0	1930.4	1950.8
22.5°	1955.3	1957.6	1937.2	1915.7	1912.3	1913.4	1912.3	1919.1	1938.3	1958.7
25°	1956.4	1959.8	1944.0	1927.0	1932.7	1934.9	1932.7	1933.8	1948.5	1966.6
27.5°	1973.4	1977.9	1963.2	1948.5	1951.9	1950.8	1954.2	1957.6	1968.9	1987.0
30°	2008.5	2011.9	1999.4	1984.7	1982.5	1974.5	1984.7	1996.0	2008.5	2024.3
32.5°	2066.2	2073.0	2057.1	2041.3	2031.1	2026.6	2034.5	2053.8	2070.7	2087.7
35°	2162.4	2166.9	2152.2	2122.8	2104.7	2104.7	2111.5	2136.4	2163.5	2185.0
37.5°	2298.2	2303.8	2277.8	2242.7	2215.6	2215.6	2224.6	2250.6	2291.4	2321.9
40°	2463.4	2471.3	2438.5	2402.3	2376.2	2371.7	2383.0	2412.5	2450.9	2489.4
42.5°	2662.5	2671.6	2628.6	2596.9	2576.5	2576.5	2582.2	2609.3	2644.4	2691.9
45°	2917.1	2933.0	2874.1	2842.4	2823.2	2827.7	2831.1	2854.9	2886.6	2940.9
47.5°	3220.4	3236.2	3174.0	3141.2	3137.8	3159.3	3145.7	3162.7	3179.6	3241.9
50°	3564.4	3591.5	3548.5	3546.3	3553.1	3592.7	3561.0	3570.0	3550.8	3590.4
52.5°	3985.3	4024.9	4017.0	4030.6	4106.4	4187.8	4115.4	4083.7	4011.3	4023.8
55°	4495.6	4555.6	4566.9	4648.4	4820.4	4986.7	4832.8	4705.0	4551.1	4522.8
57.5°	5076.1	5123.6	5178.0	5344.3	5665.6	5961.0	5665.6	5382.8	5140.6	5082.9
60°	5700.7	5759.6	5811.6	6057.2	6534.7	6950.0	6525.6	6076.4	5756.2	5678.1
62.5°	6371.7	6447.5	6483.8	6756.5	7313.2	7808.8	7321.1	6776.8	6421.5	6337.8
65°	7015.6	7077.8	7118.6	7409.4	7941.2	8437.9	7977.4	7441.0	7075.6	6965.8
67.5°	7315.4	7349.4	7449.0	7778.2	8339.5	8906.4	8434.5	7813.3	7404.8	7212.5
70°	6876.4	6807.4	7047.3	7574.6	8387.0	9193.8	8495.6	7558.7	7058.6	6746.3
72.5°	5313.7	5194.9	5611.3	6513.2	7843.9	9010.5	7898.2	6564.1	5870.5	5236.8
75°	2891.1	2756.4	3331.3	4471.9	6255.2	7809.9	6398.9	4599.7	3709.2	2869.6
77.5°	815.8	764.9	1228.9	2163.5	3762.4	5483.5	3907.2	2211.0	1457.4	864.5
80°	250.1	242.2	328.1	651.8	1597.7	2626.3	1535.5	659.7	417.5	263.7
82.5°	148.2	135.8	162.9	237.6	407.4	824.9	396.0	247.8	199.2	133.5
85°	84.9	79.2	96.2	115.4	136.9	175.4	114.3	117.7	106.4	71.3
87.5°	35.1	31.7	37.3	36.2	31.7	40.7	30.6	36.2	43.0	28.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1985.9
1979.1
1954.2
1927.0
1914.6
1914.6
1922.5
1937.2
1951.9
1958.7
1965.5
1982.5
2020.9
2080.9
2177.1
2310.6
2477.0
2688.6
2938.6
3223.8
3566.6
3981.9
4478.7
5042.2
5610.2
6269.9
6911.5
7214.7
6821.0
5394.1
3056.3
960.7
278.4
144.8
74.7
26.0
0.0

OF REPORT)