

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: P847981

Luminaire Tested: **GLAN-SB4B-830-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847981
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-SB4B-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19601 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

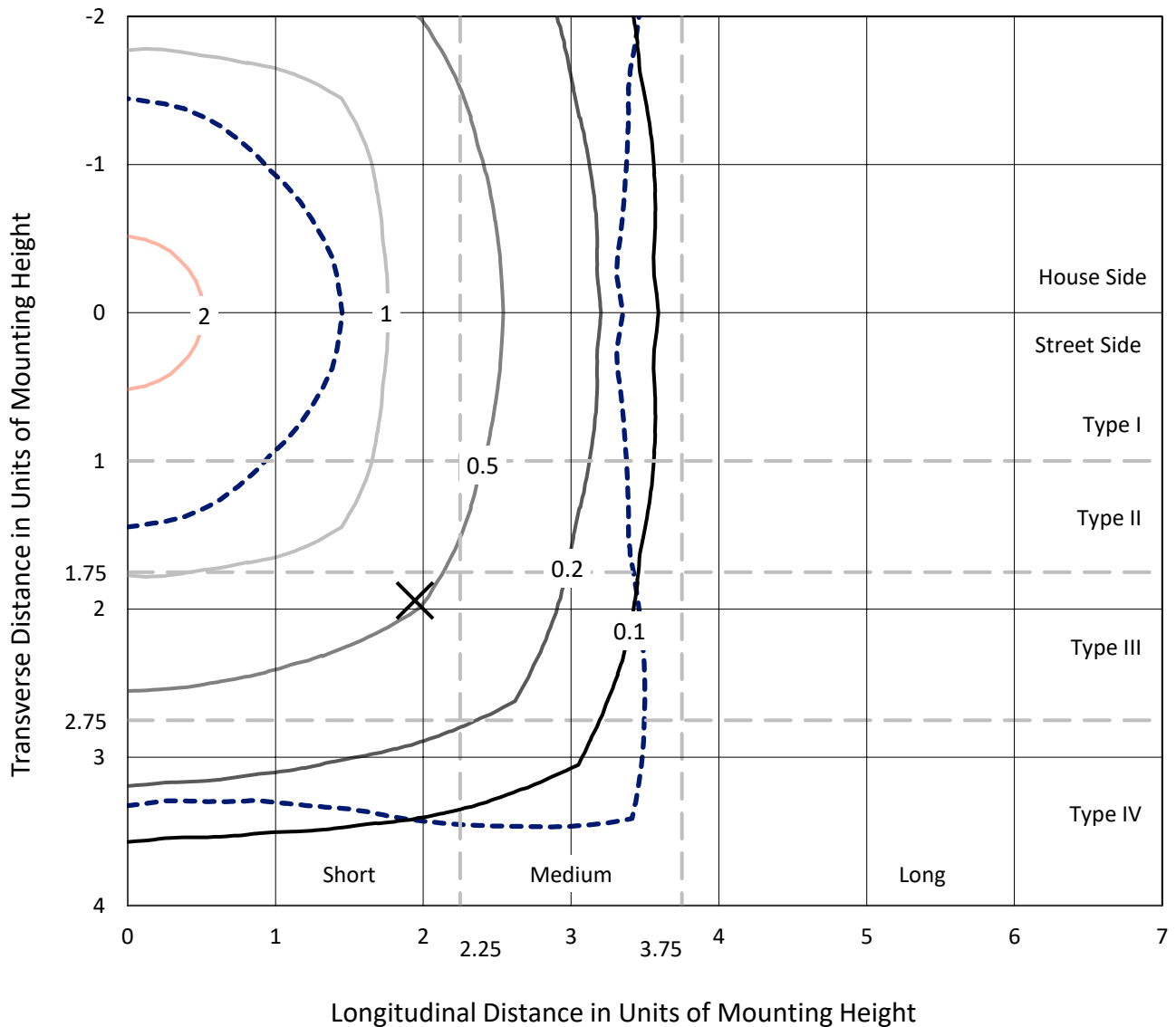
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847981
 CATALOG NUMBER: GLAN-SB4B-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

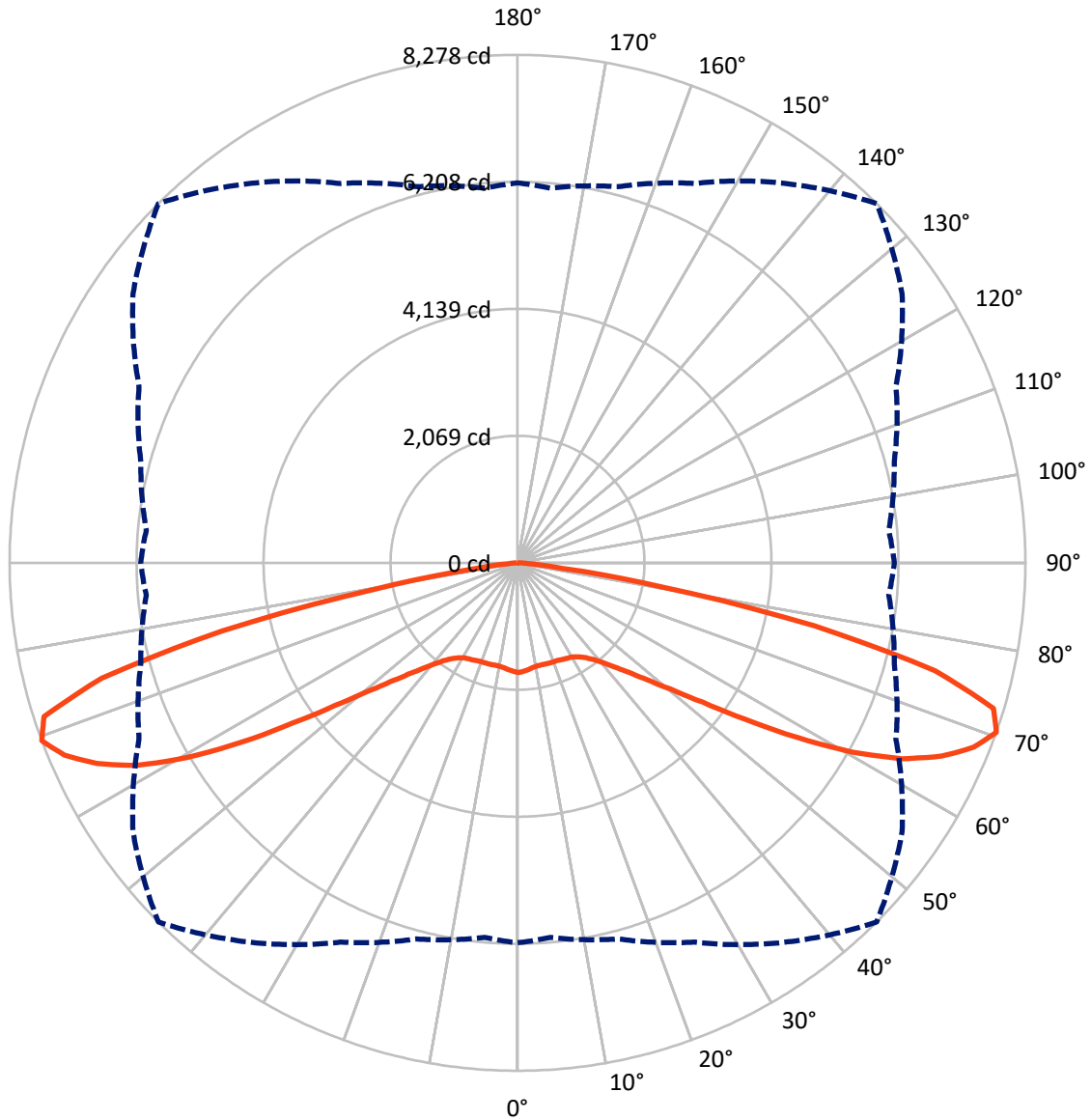
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P847981
CATALOG NUMBER: GLAN-SB4B-830-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847981
 CATALOG NUMBER: GLAN-SB4B-830-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9800.5	0.0	9800.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9800.5	0.0	9800.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19601.0	0.0	19601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	0.8
10°-20°	488.4	2.5
20°-30°	812.7	4.1
30°-40°	1229.1	6.3
40°-50°	2042.5	10.4
50°-60°	3854.0	19.7
60°-70°	6507.7	33.2
70°-80°	4276.2	21.8
80°-90°	224.0	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°	19601.0	100.0
0°-180°	19601.0	100.0

Coefficient of Utilization



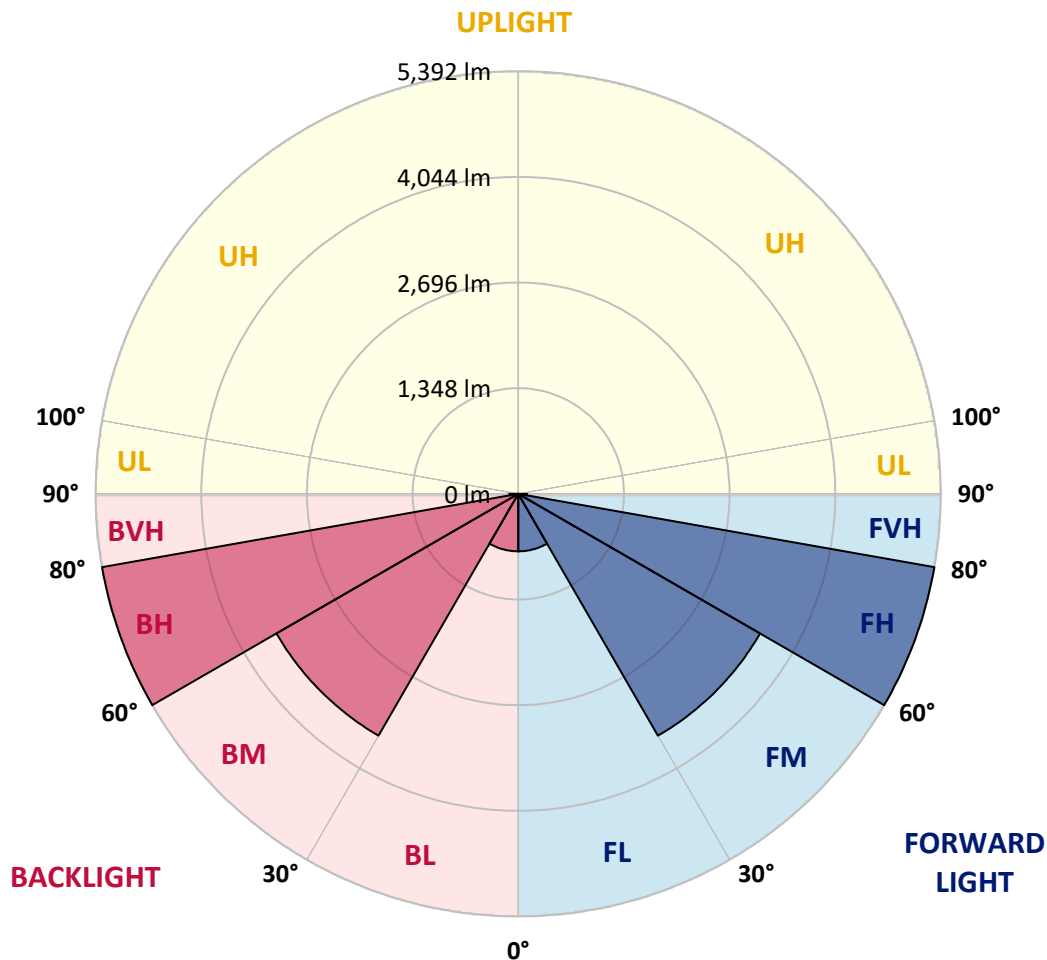
REPORT NUMBER: P847981
 CATALOG NUMBER: GLAN-SB4B-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.7	3.7			
FM (30°-60°)	3562.8	18.2			
FH (60°-80°)	5392.0	27.5			G3/7500
FVH (80°-90°)	112.0	0.6			G2/225
BL (0°-30°)	733.7	3.7	B2/1000		
BM (30°-60°)	3562.8	18.2	B3/5000		
BH (60°-80°)	5392.0	27.5	B5		G3/7500
BVH (80°-90°)	112.0	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: P847981
 CATALOG NUMBER: GLAN-SB4B-830-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0	1788.0
2.5°	1776.8	1781.9	1779.9	1775.8	1775.8	1772.7	1775.8	1777.8	1780.9	1782.9
5°	1753.4	1757.4	1756.4	1753.4	1754.4	1751.3	1753.4	1756.4	1758.5	1759.5
7.5°	1733.0	1737.1	1735.0	1729.9	1729.9	1726.9	1727.9	1731.0	1734.0	1735.0
10°	1727.9	1732.0	1725.9	1717.7	1714.7	1710.6	1711.6	1714.7	1720.8	1723.8
12.5°	1729.9	1733.0	1726.9	1714.7	1711.6	1707.5	1707.5	1710.6	1718.7	1722.8
15°	1736.0	1739.1	1729.9	1716.7	1713.6	1710.6	1709.6	1713.6	1722.8	1729.9
17.5°	1747.3	1750.3	1736.0	1717.7	1713.6	1714.7	1713.6	1716.7	1731.0	1744.2
20°	1757.4	1759.5	1740.1	1717.7	1713.6	1714.7	1713.6	1719.7	1738.1	1756.4
22.5°	1760.5	1762.5	1744.2	1724.8	1721.8	1722.8	1721.8	1727.9	1745.2	1763.6
25°	1761.5	1764.6	1750.3	1735.0	1740.1	1742.2	1740.1	1741.1	1754.4	1770.7
27.5°	1776.8	1780.9	1767.6	1754.4	1757.4	1756.4	1759.5	1762.5	1772.7	1789.0
30°	1808.4	1811.4	1800.2	1787.0	1784.9	1777.8	1787.0	1797.2	1808.4	1822.6
32.5°	1860.3	1866.5	1852.2	1837.9	1828.8	1824.7	1831.8	1849.1	1864.4	1879.7
35°	1946.9	1951.0	1937.8	1911.3	1895.0	1895.0	1901.1	1923.5	1948.0	1967.3
37.5°	2069.2	2074.3	2050.9	2019.3	1994.8	1994.8	2003.0	2026.4	2063.1	2090.6
40°	2217.9	2225.1	2195.5	2162.9	2139.5	2135.4	2145.6	2172.1	2206.7	2241.4
42.5°	2397.3	2405.4	2366.7	2338.2	2319.8	2319.8	2324.9	2349.4	2381.0	2423.7
45°	2626.5	2640.7	2587.8	2559.2	2541.9	2546.0	2549.1	2570.4	2599.0	2647.9
47.5°	2899.5	2913.8	2857.8	2828.2	2825.2	2844.5	2832.3	2847.6	2862.8	2918.9
50°	3209.2	3233.7	3195.0	3192.9	3199.1	3234.7	3206.2	3214.3	3197.0	3232.7
52.5°	3588.2	3623.9	3616.8	3629.0	3697.2	3770.6	3705.4	3676.9	3611.7	3622.9
55°	4047.7	4101.7	4111.9	4185.3	4340.1	4489.9	4351.3	4236.2	4097.6	4072.2
57.5°	4570.4	4613.2	4662.1	4811.8	5101.2	5367.1	5101.2	4846.5	4628.4	4576.5
60°	5132.7	5185.7	5232.6	5453.7	5883.6	6257.5	5875.5	5471.0	5182.7	5112.4
62.5°	5736.9	5805.2	5837.8	6083.3	6584.5	7030.8	6591.7	6101.6	5781.7	5706.3
65°	6316.6	6372.6	6409.3	6671.1	7150.0	7597.2	7182.6	6699.7	6370.6	6271.8
67.5°	6586.6	6617.1	6706.8	7003.3	7508.6	8019.0	7594.2	7034.9	6667.1	6493.9
70°	6191.3	6129.1	6345.1	6819.9	7551.4	8277.8	7649.2	6805.6	6355.3	6074.1
72.5°	4784.3	4677.3	5052.3	5864.3	7062.4	8112.8	7111.3	5910.1	5285.6	4715.0
75°	2603.1	2481.8	2999.4	4026.3	5632.0	7031.8	5761.4	4141.4	3339.6	2583.7
77.5°	734.6	688.7	1106.4	1948.0	3387.5	4937.1	3517.9	1990.7	1312.2	778.4
80°	225.2	218.0	295.5	586.8	1438.6	2364.7	1382.5	594.0	375.9	237.4
82.5°	133.5	122.3	146.7	213.9	366.8	742.7	356.6	223.1	179.3	120.2
85°	76.4	71.3	86.6	103.9	123.3	157.9	102.9	106.0	95.8	64.2
87.5°	31.6	28.5	33.6	32.6	28.5	36.7	27.5	32.6	38.7	25.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1788.0
1781.9
1759.5
1735.0
1723.8
1723.8
1731.0
1744.2
1757.4
1763.6
1769.7
1784.9
1819.6
1873.6
1960.2
2080.4
2230.2
2420.7
2645.8
2902.6
3211.3
3585.2
4032.4
4539.8
5051.2
5645.2
6222.9
6495.9
6141.4
4856.7
2751.8
865.0
250.6
130.4
67.2
23.4
0.0

OF REPORT)