

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: P848711

Luminaire Tested: **GLAN-SB5B-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848711
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-SB5B-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 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: 19411 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

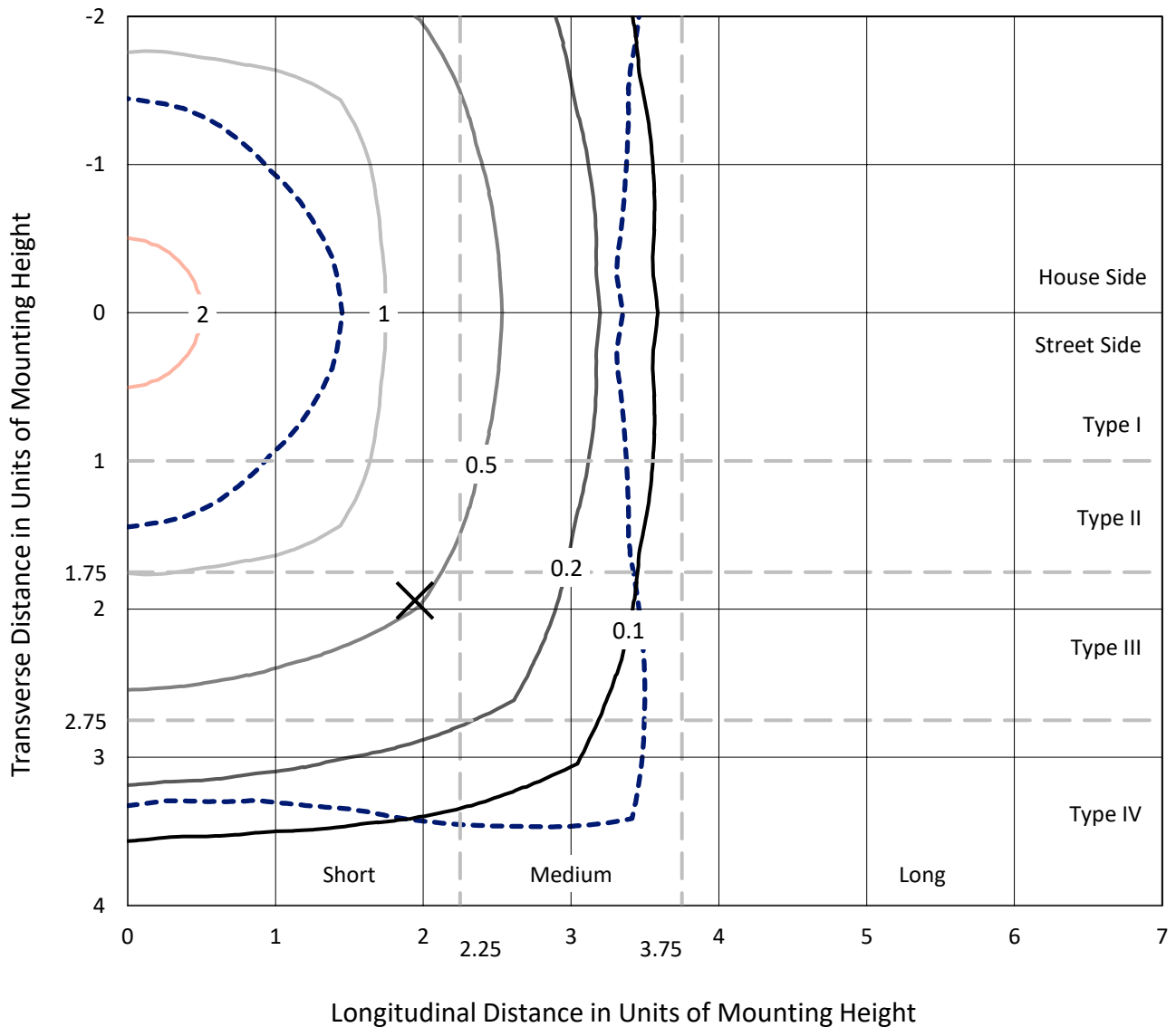
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

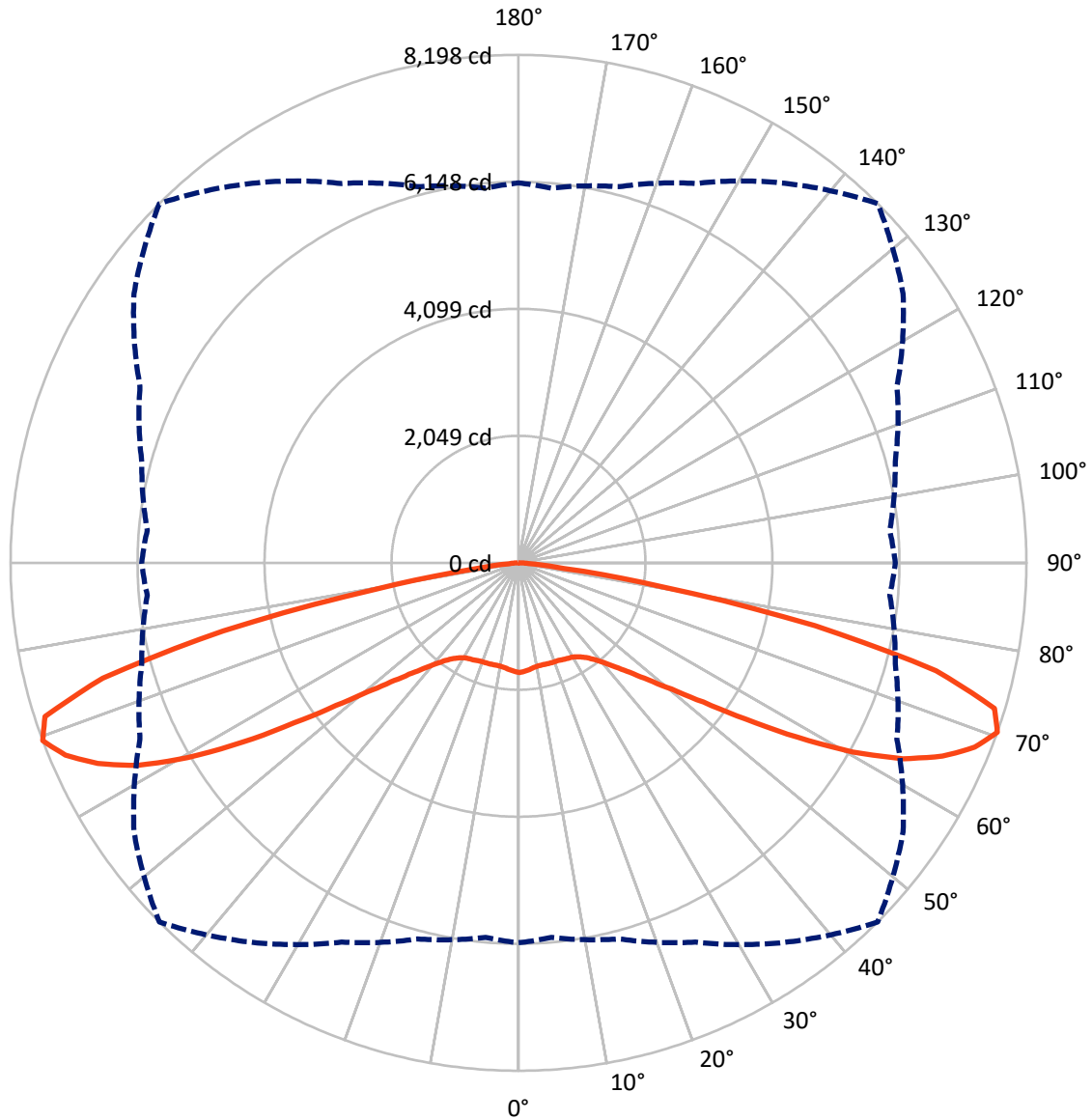
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	9705.5	0.0	9705.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9705.5	0.0	9705.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19411.0	0.0	19411.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	0.8
10°-20°	483.6	2.5
20°-30°	804.9	4.1
30°-40°	1217.2	6.3
40°-50°	2022.7	10.4
50°-60°	3816.7	19.7
60°-70°	6444.6	33.2
70°-80°	4234.8	21.8
80°-90°	221.9	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°	19411.0	100.0
0°-180°	19411.0	100.0

Coefficient of Utilization



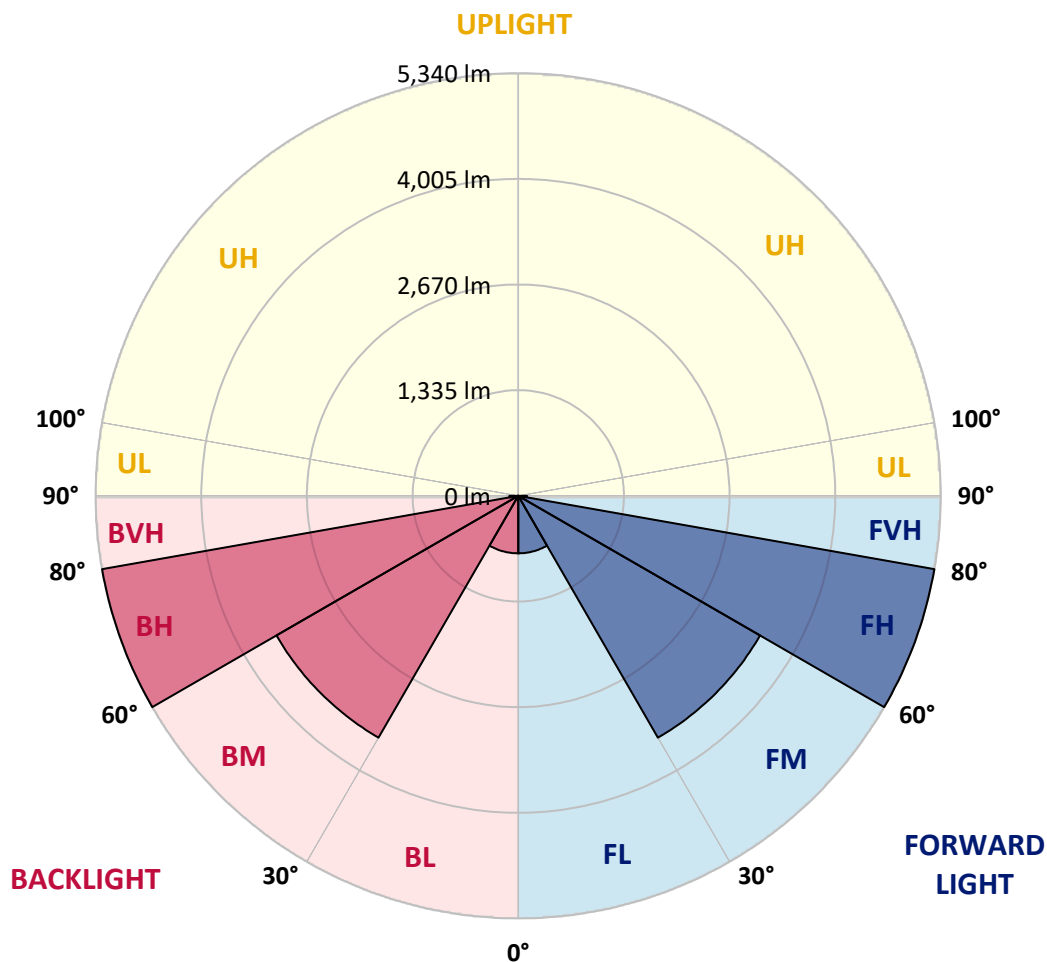
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	726.6	3.7			
FM (30°-60°)	3528.3	18.2			
FH (60°-80°)	5339.7	27.5			G3/7500
FVH (80°-90°)	110.9	0.6			G2/225
BL (0°-30°)	726.6	3.7	B2/1000		
BM (30°-60°)	3528.3	18.2	B3/5000		
BH (60°-80°)	5339.7	27.5	B5		G3/7500
BVH (80°-90°)	110.9	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°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1759.6	1764.6	1762.6	1758.6	1758.6	1755.5	1758.6	1760.6	1763.6	1765.6
5°	1736.4	1740.4	1739.4	1736.4	1737.4	1734.4	1736.4	1739.4	1741.4	1742.4
7.5°	1716.2	1720.2	1718.2	1713.2	1713.2	1710.1	1711.1	1714.2	1717.2	1718.2
10°	1711.1	1715.2	1709.1	1701.1	1698.0	1694.0	1695.0	1698.0	1704.1	1707.1
12.5°	1713.2	1716.2	1710.1	1698.0	1695.0	1691.0	1691.0	1694.0	1702.1	1706.1
15°	1719.2	1722.2	1713.2	1700.0	1697.0	1694.0	1693.0	1697.0	1706.1	1713.2
17.5°	1730.3	1733.3	1719.2	1701.1	1697.0	1698.0	1697.0	1700.0	1714.2	1727.3
20°	1740.4	1742.4	1723.3	1701.1	1697.0	1698.0	1697.0	1703.1	1721.2	1739.4
22.5°	1743.4	1745.5	1727.3	1708.1	1705.1	1706.1	1705.1	1711.1	1728.3	1746.5
25°	1744.4	1747.5	1733.3	1718.2	1723.3	1725.3	1723.3	1724.3	1737.4	1753.5
27.5°	1759.6	1763.6	1750.5	1737.4	1740.4	1739.4	1742.4	1745.5	1755.5	1771.7
30°	1790.9	1793.9	1782.8	1769.7	1767.6	1760.6	1769.7	1779.8	1790.9	1805.0
32.5°	1842.3	1848.4	1834.2	1820.1	1811.0	1807.0	1814.1	1831.2	1846.3	1861.5
35°	1928.1	1932.1	1919.0	1892.8	1876.6	1876.6	1882.7	1904.9	1929.1	1948.2
37.5°	2049.1	2054.2	2031.0	1999.7	1975.5	1975.5	1983.6	2006.8	2043.1	2070.3
40°	2196.4	2203.5	2174.2	2142.0	2118.8	2114.7	2124.8	2151.0	2185.3	2219.6
42.5°	2374.0	2382.1	2343.7	2315.5	2297.3	2297.3	2302.4	2326.6	2357.9	2400.2
45°	2601.0	2615.1	2562.7	2534.4	2517.3	2521.3	2524.3	2545.5	2573.8	2622.2
47.5°	2871.4	2885.5	2830.1	2800.8	2797.8	2816.9	2804.8	2820.0	2835.1	2890.6
50°	3178.1	3202.3	3164.0	3162.0	3168.0	3203.4	3175.1	3183.2	3166.0	3201.3
52.5°	3553.5	3588.8	3581.7	3593.8	3661.4	3734.1	3669.5	3641.2	3576.7	3587.8
55°	4008.5	4062.0	4072.0	4144.7	4298.0	4446.4	4309.1	4195.1	4057.9	4032.7
57.5°	4526.1	4568.4	4616.9	4765.2	5051.7	5315.0	5051.7	4799.5	4583.6	4532.1
60°	5083.0	5135.5	5181.9	5400.8	5826.6	6196.9	5818.5	5418.0	5132.4	5062.8
62.5°	5681.3	5748.9	5781.2	6024.3	6520.7	6962.6	6527.8	6042.5	5725.7	5651.0
65°	6255.4	6310.9	6347.2	6606.5	7080.7	7523.6	7113.0	6634.7	6308.8	6211.0
67.5°	6522.7	6553.0	6641.8	6935.4	7435.8	7941.3	7520.6	6966.7	6602.4	6430.9
70°	6131.3	6069.7	6283.6	6753.8	7478.2	8197.6	7575.1	6739.7	6293.7	6015.2
72.5°	4737.9	4632.0	5003.3	5807.4	6993.9	8034.1	7042.3	5852.8	5234.3	4669.3
75°	2577.8	2457.8	2970.3	3987.3	5577.4	6963.6	5705.5	4101.3	3307.3	2558.6
77.5°	727.4	682.0	1095.7	1929.1	3354.7	4889.3	3483.8	1971.5	1299.5	770.8
80°	223.0	215.9	292.6	581.1	1424.6	2341.7	1369.1	588.2	372.3	235.1
82.5°	132.2	121.1	145.3	211.9	363.2	735.5	353.1	221.0	177.6	119.1
85°	75.7	70.6	85.8	102.9	122.1	156.4	101.9	104.9	94.8	63.6
87.5°	31.3	28.3	33.3	32.3	28.3	36.3	27.2	32.3	38.3	25.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1770.7
1764.6
1742.4
1718.2
1707.1
1707.1
1714.2
1727.3
1740.4
1746.5
1752.5
1767.6
1802.0
1855.4
1941.2
2060.2
2208.6
2397.2
2620.2
2874.4
3180.2
3550.4
3993.3
4495.8
5002.3
5590.5
6162.6
6432.9
6081.8
4809.6
2725.1
856.6
248.2
129.1
66.6
23.2
0.0

OF REPORT)