

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: P846634

Luminaire Tested: **GLAN-SB2B-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846634  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9224 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

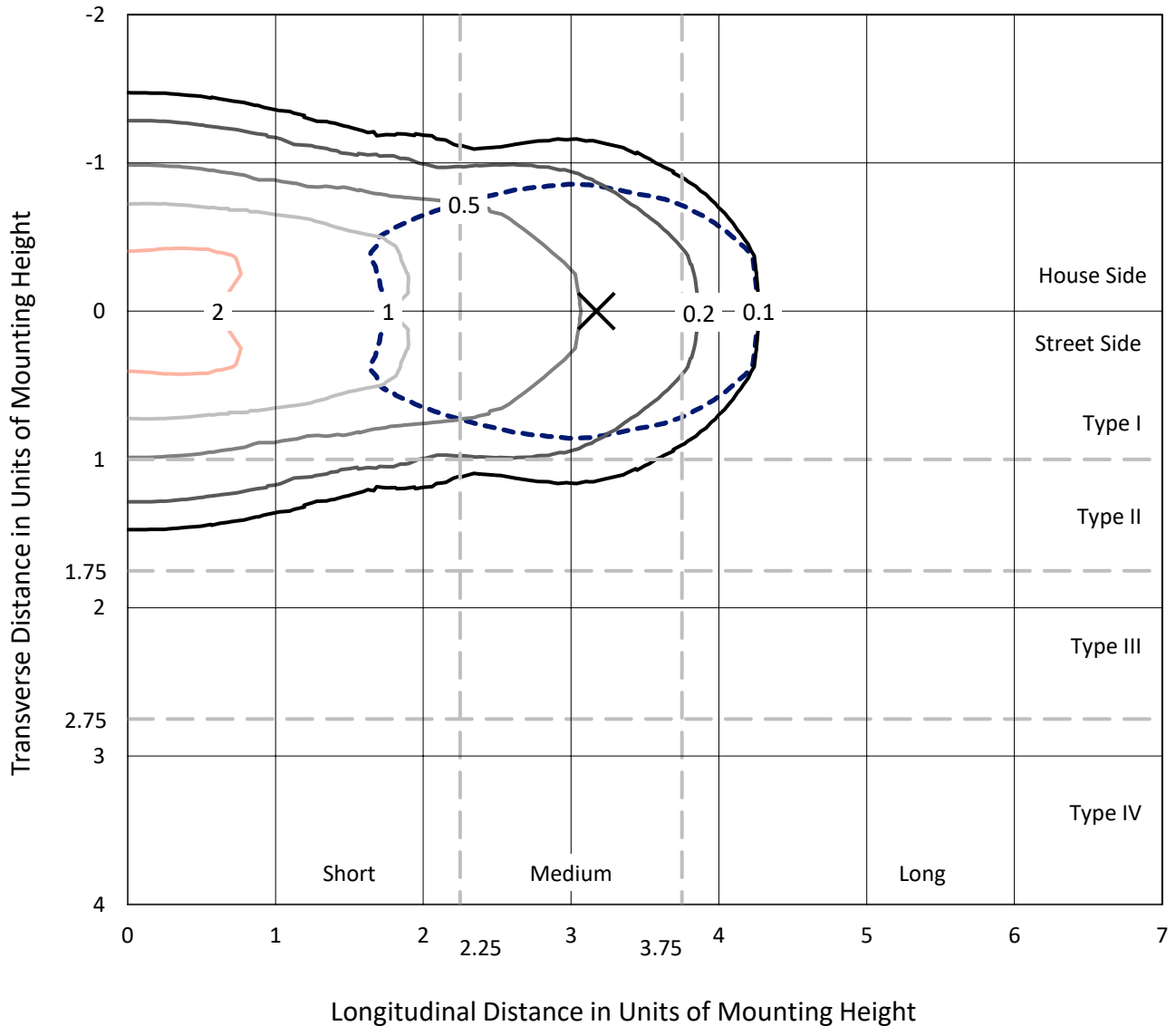
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

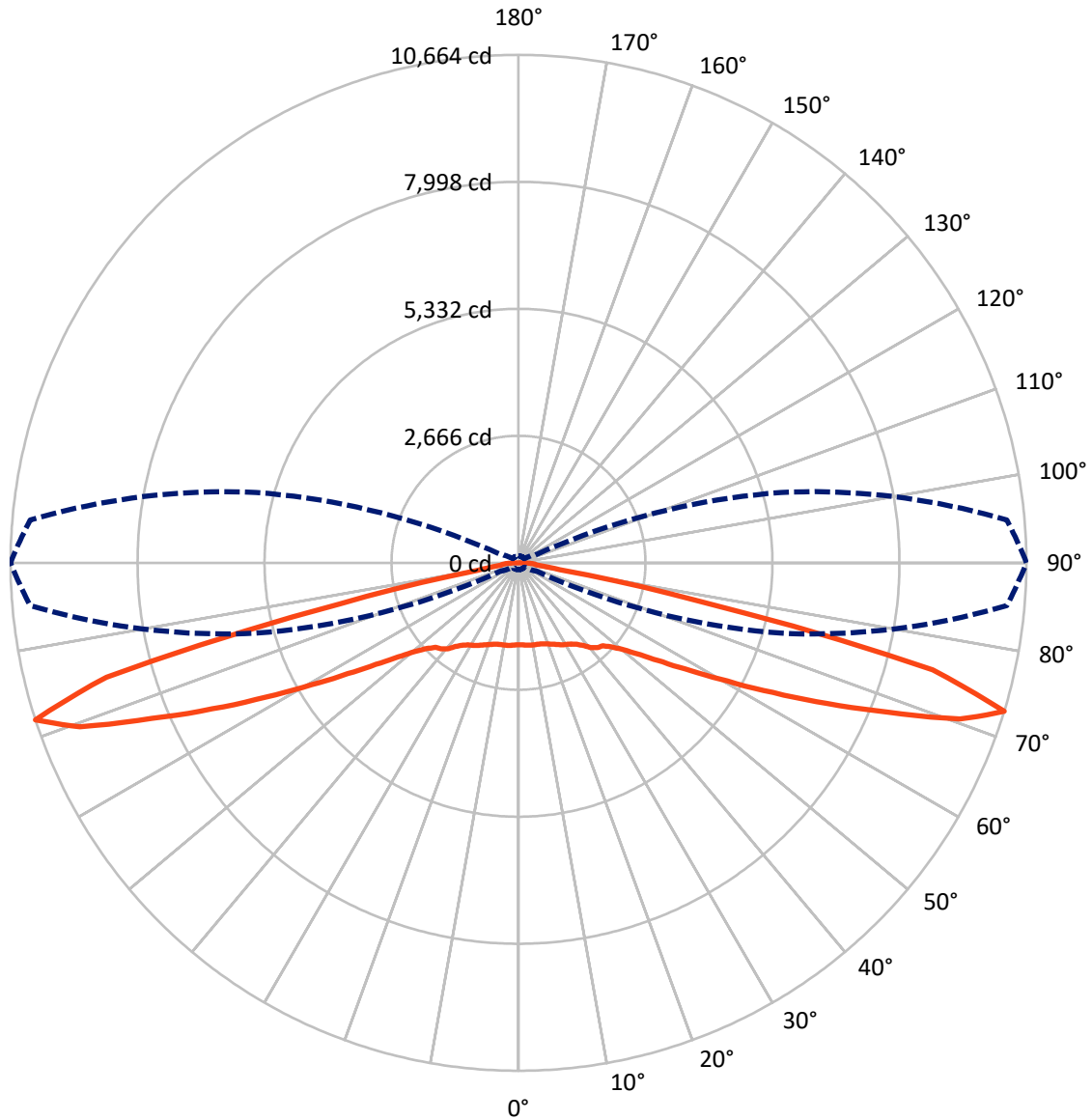
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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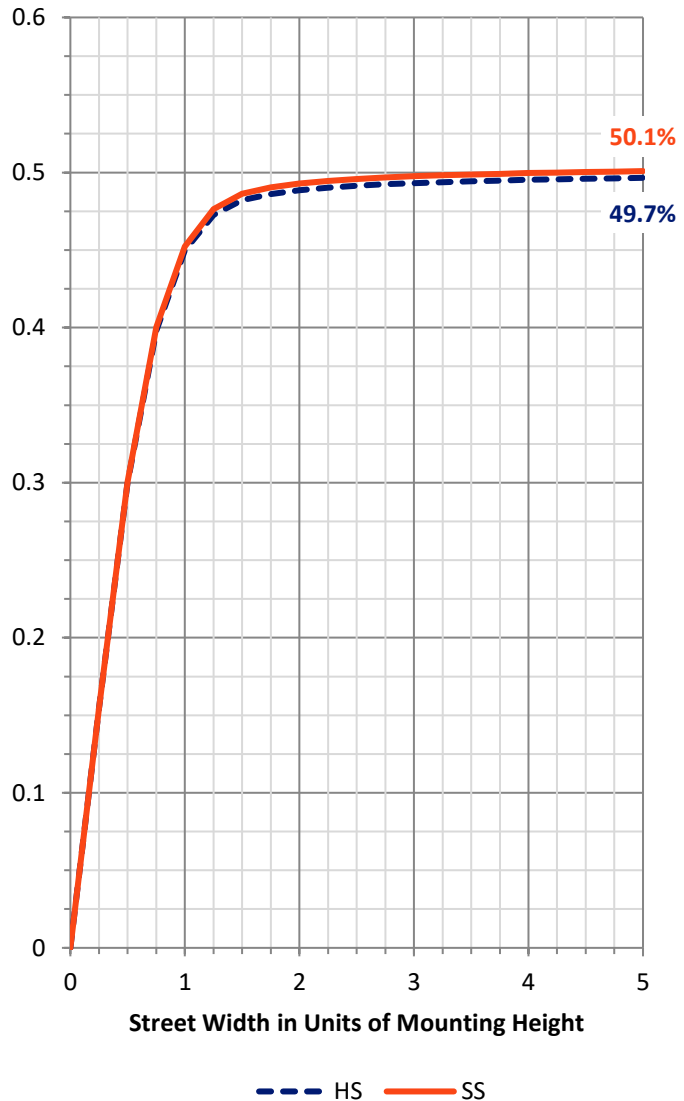
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4612.0	0.0	4612.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4612.0	0.0	4612.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9224.0	0.0	9224.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.1	1.8
10°-20°	511.0	5.5
20°-30°	852.0	9.2
30°-40°	1171.8	12.7
40°-50°	1431.1	15.5
50°-60°	1655.2	17.9
60°-70°	1973.6	21.4
70°-80°	1377.4	14.9
80°-90°	84.6	0.9
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°	9224.0	100.0
0°-180°	9224.0	100.0

**Coefficient of Utilization**



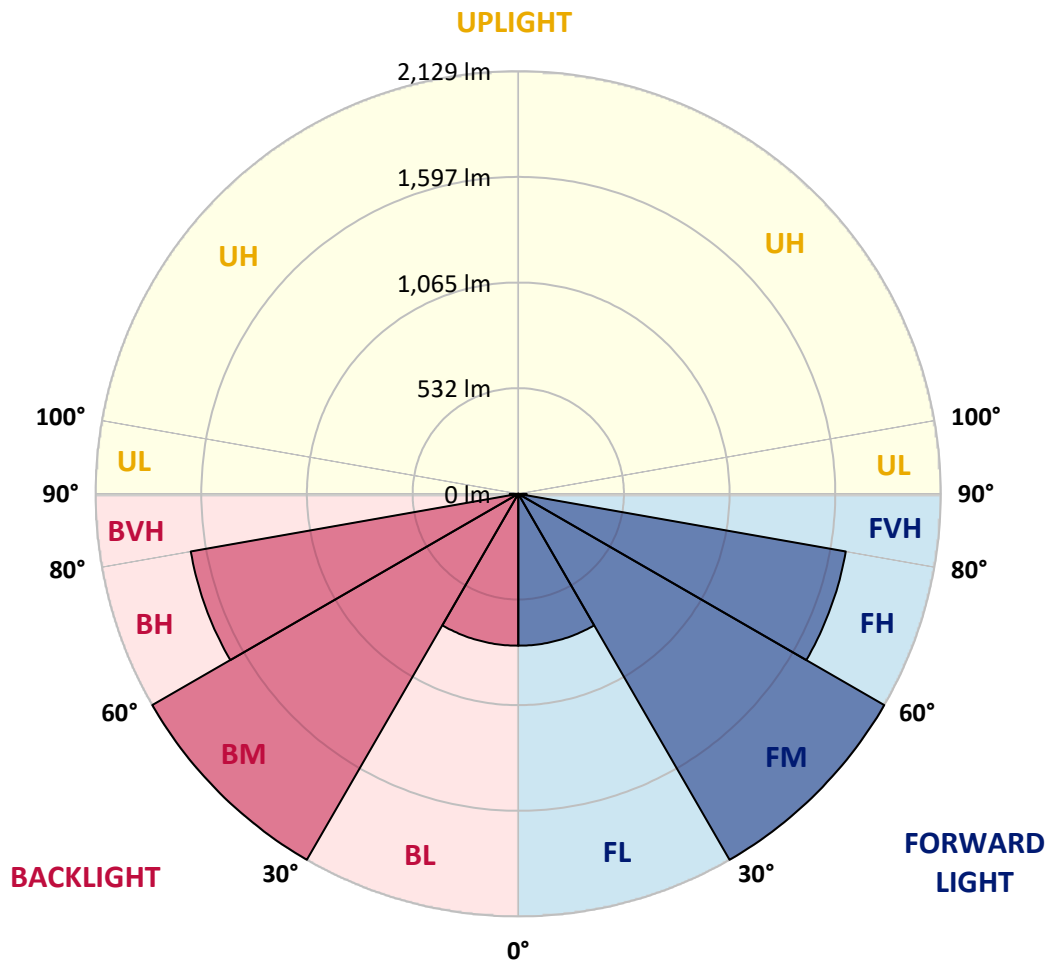
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	765.1	8.3			
FM (30°-60°)	2129.1	23.1			
FH (60°-80°)	1675.5	18.2			G1/1800
FVH (80°-90°)	42.3	0.5			G1/100
BL (0°-30°)	765.1	8.3	B2/1000		
BM (30°-60°)	2129.1	23.1	B2/2500		
BH (60°-80°)	1675.5	18.2	B3/2500		G3/2500
BVH (80°-90°)	42.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6	1723.6
2.5°	1725.1	1727.0	1727.0	1725.6	1729.0	1726.1	1726.1	1724.6	1726.1	1724.6
5°	1733.9	1736.3	1737.3	1736.8	1741.2	1738.8	1738.8	1736.8	1737.3	1735.9
7.5°	1750.6	1754.0	1756.0	1758.4	1764.8	1761.8	1759.9	1754.0	1751.5	1747.6
10°	1756.0	1759.9	1766.3	1779.0	1793.7	1794.2	1788.3	1773.6	1762.3	1753.5
12.5°	1739.3	1744.7	1757.9	1783.9	1816.7	1830.0	1820.7	1796.2	1774.1	1758.4
15°	1718.2	1724.1	1744.2	1783.4	1831.9	1862.8	1861.8	1829.5	1794.2	1769.7
17.5°	1685.4	1691.2	1720.2	1775.1	1843.7	1894.7	1908.4	1875.1	1825.6	1792.7
20°	1626.0	1631.4	1671.6	1748.6	1847.6	1928.5	1964.3	1934.9	1873.1	1828.5
22.5°	1549.1	1557.4	1604.5	1703.0	1838.3	1963.8	2028.0	2007.9	1928.5	1866.7
25°	1466.7	1475.6	1530.5	1647.1	1814.3	1989.3	2103.5	2090.8	1991.3	1914.3
27.5°	1395.6	1405.0	1464.8	1591.7	1777.0	1999.1	2178.0	2184.4	2067.2	1966.7
30°	1339.8	1348.6	1412.3	1547.1	1729.0	1989.3	2243.2	2287.4	2144.7	2012.3
32.5°	1278.5	1289.8	1356.9	1492.7	1672.1	1965.8	2300.1	2398.6	2234.4	2061.4
35°	1201.0	1211.3	1281.9	1418.2	1597.6	1928.0	2347.6	2522.2	2362.8	2135.9
37.5°	1106.9	1116.7	1186.8	1325.1	1523.6	1875.1	2383.9	2661.4	2515.8	2243.2
40°	1012.3	1021.6	1087.3	1221.1	1434.9	1807.4	2396.7	2797.7	2691.3	2390.8
42.5°	925.5	933.9	994.2	1118.7	1335.4	1721.2	2380.0	2916.3	2848.6	2493.7
45°	845.6	853.0	906.4	1022.6	1231.9	1616.2	2330.0	3043.8	3035.9	2567.3
47.5°	754.4	761.8	817.2	929.5	1128.5	1493.2	2245.2	3169.3	3296.2	2733.9
50°	643.2	649.5	706.4	822.1	1021.1	1362.3	2127.5	3267.8	3624.7	2986.4
52.5°	511.3	518.2	573.6	689.2	893.7	1221.6	1972.6	3332.0	4004.1	3355.0
55°	380.4	385.3	433.4	537.3	735.8	1061.3	1778.5	3350.1	4434.5	3859.0
57.5°	276.0	278.9	309.8	387.3	557.9	860.8	1542.7	3303.1	4946.8	4505.1
60°	223.5	224.5	233.8	268.1	387.8	634.3	1257.9	3141.3	5502.7	5338.0
62.5°	202.9	202.9	205.4	214.7	262.3	418.6	913.3	2806.0	6098.8	6390.5
65°	188.7	188.7	189.7	194.1	206.9	266.7	576.5	2259.9	6601.3	7623.4
67.5°	176.0	176.5	176.0	177.5	184.8	197.1	334.3	1560.8	6871.9	8900.9
70°	162.8	163.7	161.3	161.3	167.2	167.7	209.3	855.9	6647.3	9971.5
72.5°	147.1	148.5	144.6	143.6	148.0	146.1	157.4	410.8	5707.1	10291.1
75°	133.3	135.3	126.5	124.0	124.0	122.6	127.9	210.8	3704.1	8395.0
77.5°	121.1	125.0	110.8	102.9	101.0	96.6	104.4	128.9	1620.2	3941.3
80°	100.0	105.4	91.2	81.9	78.4	73.5	82.4	90.2	481.9	915.2
82.5°	74.5	77.0	64.7	58.3	55.4	52.0	61.8	62.7	156.9	324.0
85°	47.6	48.5	39.7	34.3	32.8	31.4	39.2	34.3	59.8	238.2
87.5°	16.7	19.1	15.2	13.7	14.7	12.3	18.1	10.3	16.7	168.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1723.6  
1724.6  
1735.9  
1747.6  
1752.0  
1756.0  
1765.8  
1787.3  
1820.2  
1855.5  
1898.6  
1950.1  
1988.3  
2031.0  
2102.0  
2198.1  
2342.7  
2432.0  
2483.9  
2637.9  
2865.8  
3206.5  
3673.2  
4271.3  
5043.3  
5995.8  
7124.3  
8362.1  
9829.8  
10663.7  
8979.3  
3859.5  
876.5  
366.2  
346.1  
208.3  
0.0

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