

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: P846224

Luminaire Tested: **GLAN-SB1D-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846224
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-SB1D-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9727 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

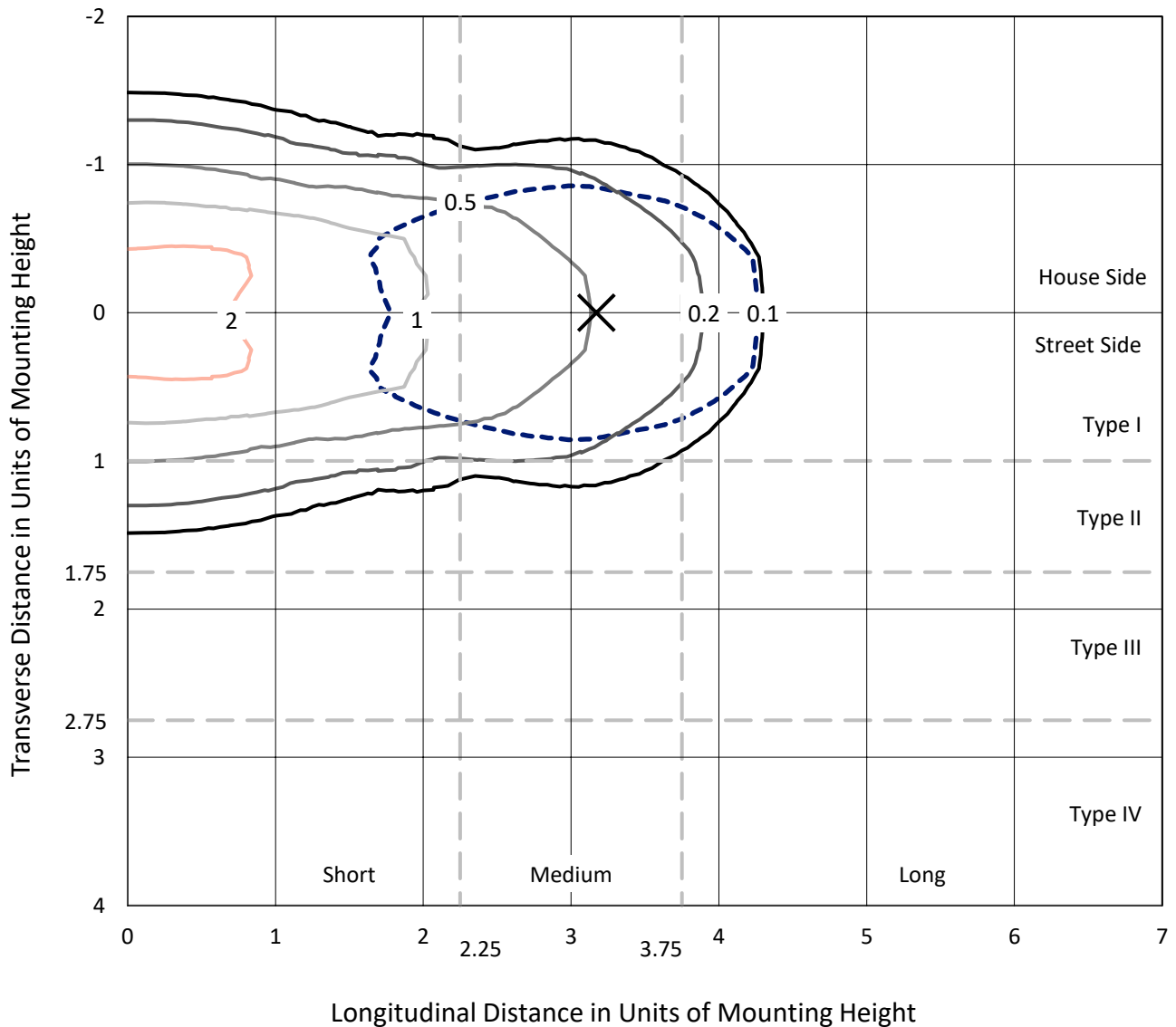
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

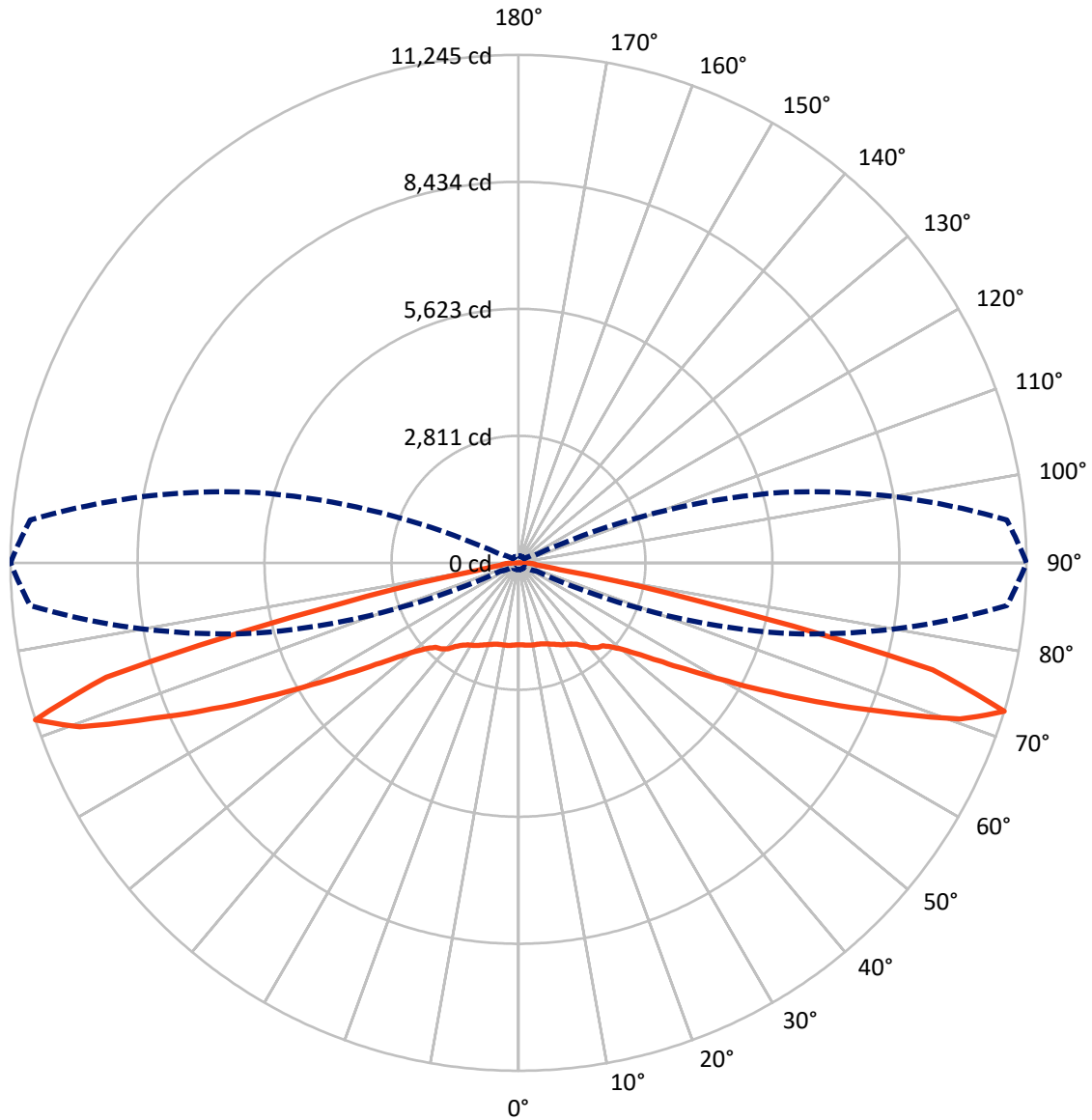
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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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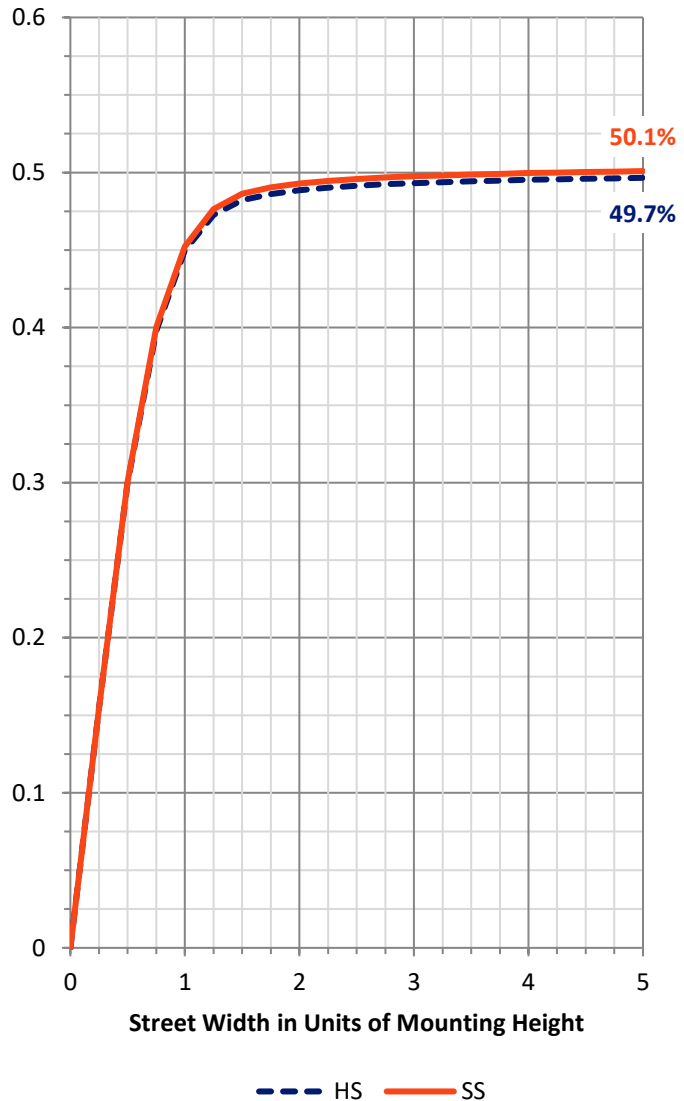
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4863.5	0.0	4863.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4863.5	0.0	4863.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9727.0	0.0	9727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	1.8
10°-20°	538.9	5.5
20°-30°	898.5	9.2
30°-40°	1235.7	12.7
40°-50°	1509.2	15.5
50°-60°	1745.5	17.9
60°-70°	2081.2	21.4
70°-80°	1452.6	14.9
80°-90°	89.2	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°	9727.0	100.0
0°-180°	9727.0	100.0

Coefficient of Utilization



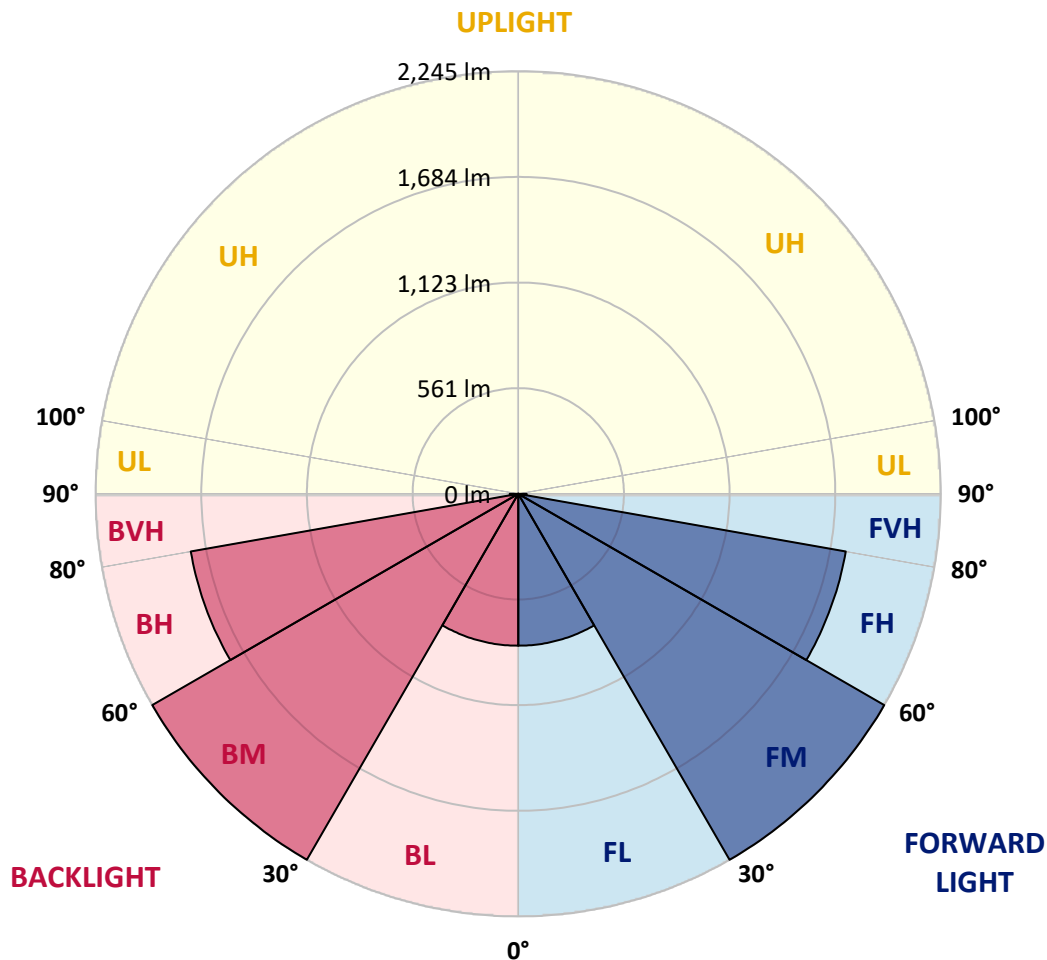
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.8	8.3			
FM (30°-60°)	2245.2	23.1			
FH (60°-80°)	1766.9	18.2			G1/1800
FVH (80°-90°)	44.6	0.5			G1/100
BL (0°-30°)	806.8	8.3	B2/1000		
BM (30°-60°)	2245.2	23.1	B2/2500		
BH (60°-80°)	1766.9	18.2	B3/2500		G3/2500
BVH (80°-90°)	44.6	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°	1817.6	1817.6	1817.6	1817.6	1817.6	1817.6	1817.6	1817.6	1817.6	1817.6
2.5°	1819.1	1821.2	1821.2	1819.7	1823.3	1820.2	1820.2	1818.6	1820.2	1818.6
5°	1828.4	1831.0	1832.1	1831.6	1836.2	1833.6	1833.6	1831.6	1832.1	1830.5
7.5°	1846.0	1849.6	1851.7	1854.3	1861.0	1857.9	1855.8	1849.6	1847.1	1842.9
10°	1851.7	1855.8	1862.6	1876.0	1891.5	1892.0	1885.8	1870.3	1858.4	1849.1
12.5°	1834.1	1839.8	1853.8	1881.2	1915.8	1929.8	1919.9	1894.1	1870.8	1854.3
15°	1811.9	1818.1	1839.3	1880.7	1931.8	1964.4	1963.4	1929.3	1892.0	1866.2
17.5°	1777.3	1783.5	1814.0	1871.9	1944.2	1998.0	2012.5	1977.3	1925.1	1890.5
20°	1714.7	1720.4	1762.8	1844.0	1948.4	2033.7	2071.4	2040.4	1975.3	1928.2
22.5°	1633.6	1642.3	1692.0	1795.9	1938.6	2070.9	2138.6	2117.4	2033.7	1968.5
25°	1546.7	1556.0	1613.9	1736.9	1913.2	2097.8	2218.2	2204.8	2099.8	2018.7
27.5°	1471.8	1481.6	1544.6	1678.5	1873.9	2108.1	2296.8	2303.5	2180.0	2074.0
30°	1412.8	1422.1	1489.3	1631.5	1823.3	2097.8	2365.6	2412.1	2261.7	2122.1
32.5°	1348.2	1360.1	1430.9	1574.1	1763.3	2073.0	2425.5	2529.4	2356.3	2173.8
35°	1266.5	1277.4	1351.8	1495.5	1684.7	2033.2	2475.7	2659.7	2491.7	2252.3
37.5°	1167.3	1177.6	1251.5	1397.3	1606.7	1977.3	2513.9	2806.5	2653.0	2365.6
40°	1067.5	1077.3	1146.6	1287.7	1513.1	1906.0	2527.4	2950.2	2838.0	2521.2
42.5°	976.0	984.8	1048.4	1179.7	1408.2	1815.0	2509.8	3075.3	3004.0	2629.7
45°	891.7	899.5	955.8	1078.4	1299.1	1704.4	2457.1	3209.7	3201.5	2707.3
47.5°	795.6	803.3	861.8	980.1	1190.0	1574.6	2367.6	3342.1	3476.0	2883.0
50°	678.2	685.0	744.9	866.9	1076.8	1436.6	2243.6	3446.0	3822.3	3149.3
52.5°	539.2	546.4	604.8	726.8	942.4	1288.2	2080.2	3513.7	4222.4	3538.0
55°	401.2	406.3	457.0	566.6	775.9	1119.2	1875.5	3532.8	4676.3	4069.4
57.5°	291.0	294.1	326.7	408.4	588.3	907.8	1626.8	3483.2	5216.5	4750.8
60°	235.7	236.8	246.6	282.8	408.9	668.9	1326.5	3312.6	5802.8	5629.1
62.5°	214.0	214.0	216.6	226.4	276.6	441.5	963.1	2959.0	6431.4	6738.9
65°	199.0	199.0	200.1	204.7	218.2	281.2	607.9	2383.1	6961.2	8039.1
67.5°	185.6	186.1	185.6	187.1	194.9	207.8	352.6	1646.0	7246.6	9386.2
70°	171.6	172.7	170.1	170.1	176.3	176.8	220.7	902.6	7009.8	10515.3
72.5°	155.1	156.6	152.5	151.5	156.1	154.1	165.9	433.2	6018.3	10852.3
75°	140.6	142.7	133.4	130.8	130.8	129.2	134.9	222.3	3906.1	8852.8
77.5°	127.7	131.8	116.8	108.6	106.5	101.8	110.1	136.0	1708.5	4156.3
80°	105.5	111.1	96.2	86.3	82.7	77.5	86.8	95.1	508.2	965.1
82.5°	78.6	81.2	68.2	61.5	58.4	54.8	65.1	66.2	165.4	341.7
85°	50.1	51.2	41.9	36.2	34.6	33.1	41.4	36.2	63.1	251.2
87.5°	17.6	20.2	16.0	14.5	15.5	12.9	19.1	10.9	17.6	177.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1817.6
1818.6
1830.5
1842.9
1847.6
1851.7
1862.1
1884.8
1919.4
1956.7
2002.1
2056.4
2096.7
2141.7
2216.7
2318.0
2470.5
2564.6
2619.4
2781.7
3022.1
3381.4
3873.5
4504.2
5318.4
6322.8
7512.8
8818.1
10365.9
11245.2
9469.0
4069.9
924.3
386.2
365.0
219.7
0.0

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