

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: P846234

Luminaire Tested: **GLAN-SB1D-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846234
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9882 lumens
Efficiency: N/A
Efficacy: 124.1 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

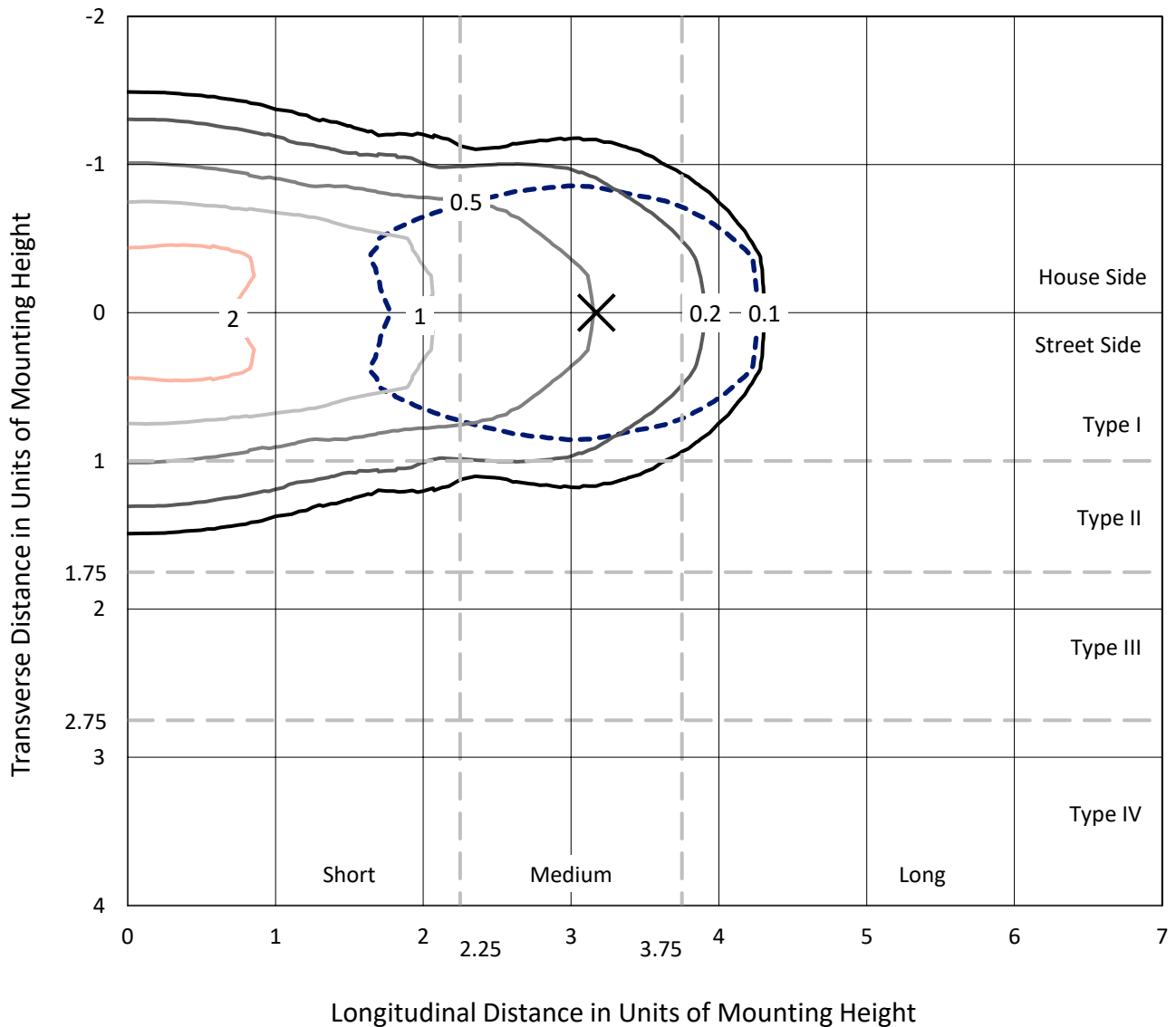
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

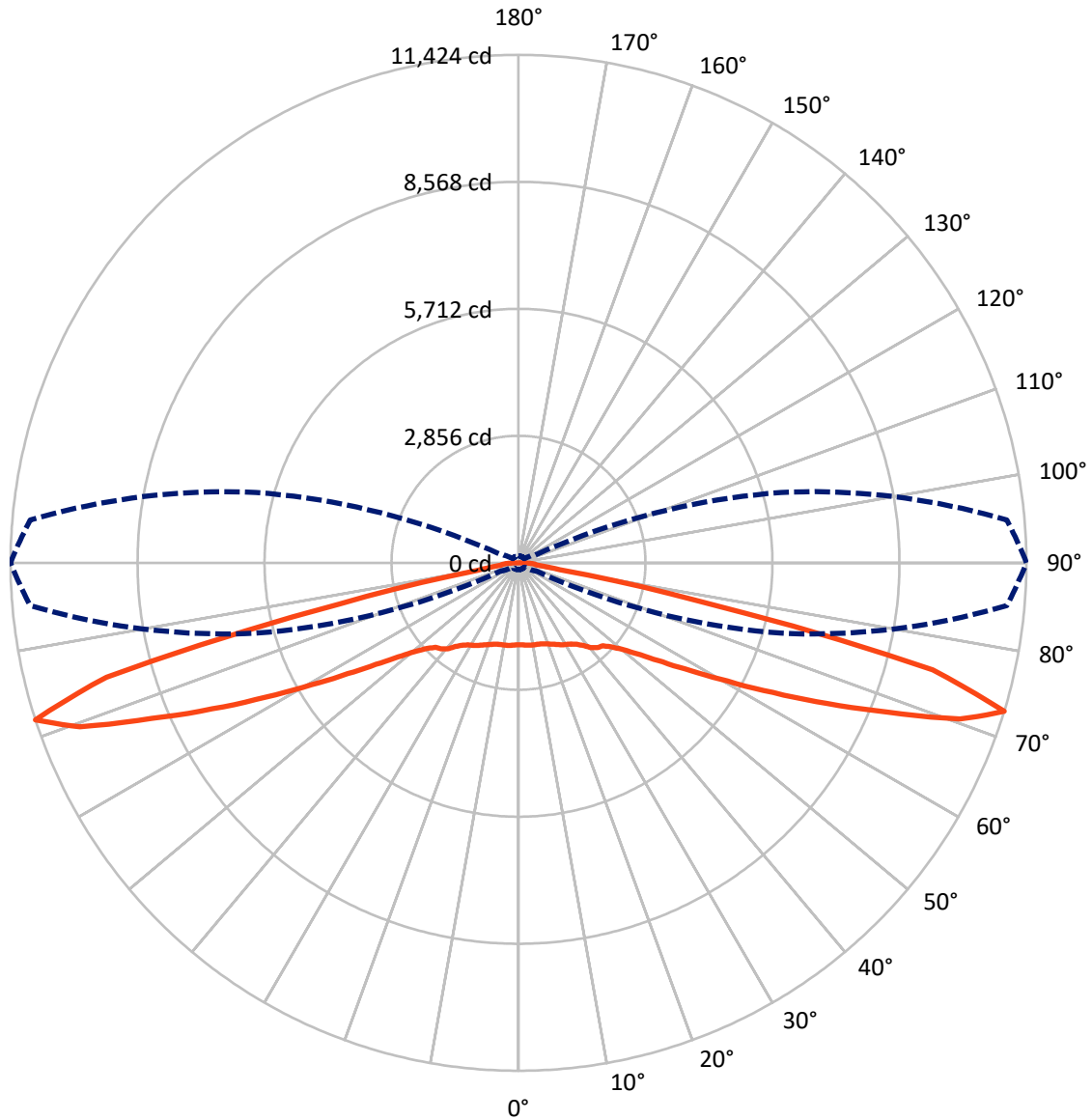
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	4941.0	0.0	4941.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4941.0	0.0	4941.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9882.0	0.0	9882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	1.8
10°-20°	547.4	5.5
20°-30°	912.8	9.2
30°-40°	1255.4	12.7
40°-50°	1533.2	15.5
50°-60°	1773.3	17.9
60°-70°	2114.4	21.4
70°-80°	1475.7	14.9
80°-90°	90.6	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°	9882.0	100.0
0°-180°	9882.0	100.0

Coefficient of Utilization



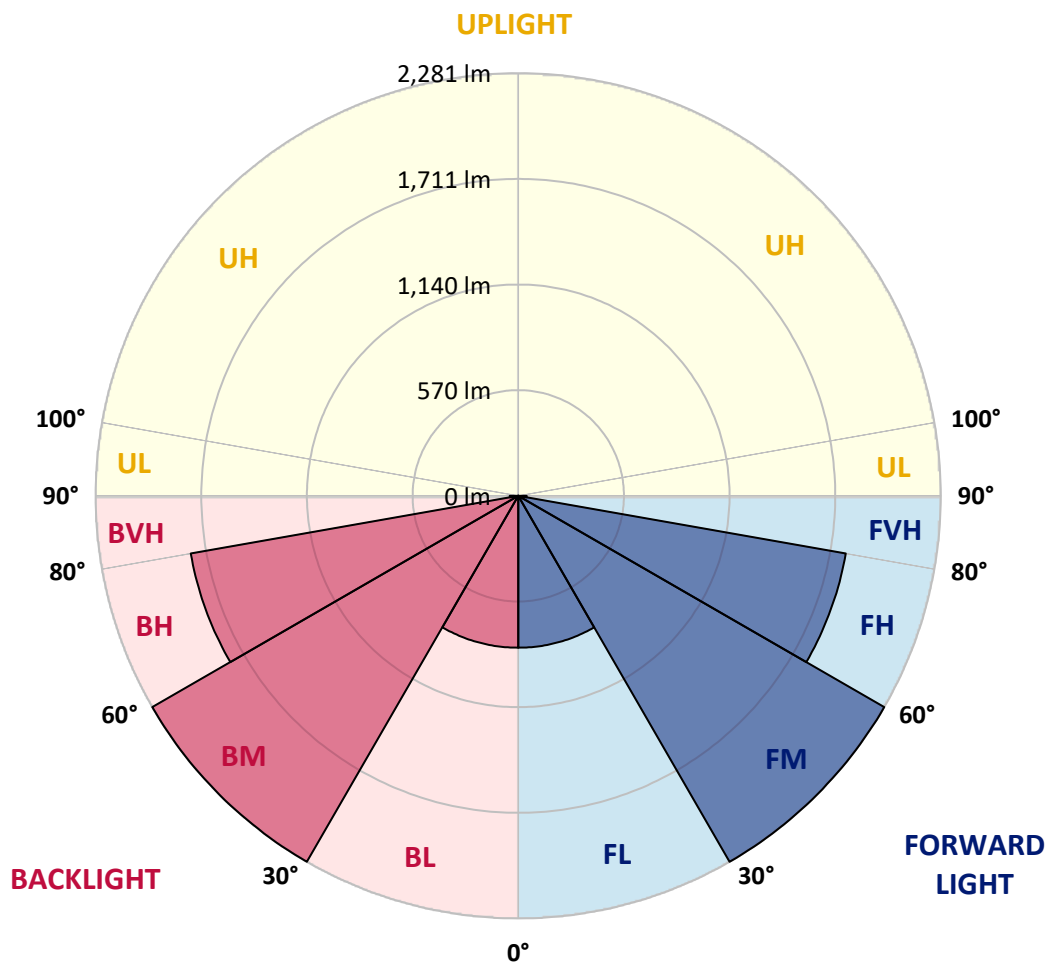
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	819.7	8.3			
FM (30°-60°)	2281.0	23.1			
FH (60°-80°)	1795.0	18.2			G1/1800
FVH (80°-90°)	45.3	0.5			G1/100
BL (0°-30°)	819.7	8.3	B2/1000		
BM (30°-60°)	2281.0	23.1	B2/2500		
BH (60°-80°)	1795.0	18.2	B3/2500		G3/2500
BVH (80°-90°)	45.3	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°	1846.6	1846.6	1846.6	1846.6	1846.6	1846.6	1846.6	1846.6	1846.6	1846.6
2.5°	1848.1	1850.2	1850.2	1848.7	1852.3	1849.2	1849.2	1847.6	1849.2	1847.6
5°	1857.6	1860.2	1861.3	1860.7	1865.5	1862.8	1862.8	1860.7	1861.3	1859.7
7.5°	1875.4	1879.1	1881.2	1883.8	1890.7	1887.5	1885.4	1879.1	1876.5	1872.3
10°	1881.2	1885.4	1892.2	1905.9	1921.7	1922.2	1915.9	1900.1	1888.0	1878.6
12.5°	1863.4	1869.1	1883.3	1911.2	1946.3	1960.5	1950.5	1924.3	1900.7	1883.8
15°	1840.8	1847.1	1868.6	1910.6	1962.6	1995.7	1994.7	1960.0	1922.2	1895.9
17.5°	1805.6	1811.9	1842.9	1901.7	1975.2	2029.8	2044.6	2008.8	1955.8	1920.6
20°	1742.0	1747.8	1790.9	1873.3	1979.4	2066.1	2104.4	2072.9	2006.7	1958.9
22.5°	1659.6	1668.5	1718.9	1824.5	1969.4	2103.9	2172.7	2151.2	2066.1	1999.9
25°	1571.4	1580.8	1639.6	1764.6	1943.7	2131.2	2253.6	2239.9	2133.3	2050.9
27.5°	1495.2	1505.2	1569.3	1705.3	1903.8	2141.7	2333.4	2340.2	2214.7	2107.0
30°	1435.3	1444.8	1513.1	1657.5	1852.3	2131.2	2403.3	2450.5	2297.7	2155.9
32.5°	1369.7	1381.8	1453.7	1599.2	1791.4	2106.0	2464.2	2569.7	2393.8	2208.4
35°	1286.7	1297.7	1373.4	1519.4	1711.6	2065.6	2515.1	2702.1	2531.4	2288.2
37.5°	1185.9	1196.4	1271.5	1419.6	1632.3	2008.8	2554.0	2851.2	2695.3	2403.3
40°	1084.5	1094.5	1164.9	1308.2	1537.2	1936.4	2567.6	2997.2	2883.3	2561.3
42.5°	991.6	1000.5	1065.1	1198.5	1430.6	1843.9	2549.8	3124.3	3051.9	2671.6
45°	905.9	913.8	971.1	1095.5	1319.8	1731.5	2496.2	3260.9	3252.5	2750.4
47.5°	808.3	816.1	875.5	995.8	1209.0	1599.7	2405.4	3395.3	3531.4	2929.0
50°	689.0	695.9	756.8	880.7	1094.0	1459.5	2279.3	3500.9	3883.2	3199.4
52.5°	547.8	555.1	614.5	738.4	957.4	1308.8	2113.4	3569.7	4289.7	3594.4
55°	407.5	412.8	464.3	575.6	788.3	1137.0	1905.4	3589.1	4750.8	4134.3
57.5°	295.7	298.8	331.9	414.9	597.7	922.2	1652.8	3538.7	5299.7	4826.5
60°	239.5	240.5	250.5	287.3	415.4	679.6	1347.6	3365.4	5895.2	5718.8
62.5°	217.4	217.4	220.1	230.0	281.0	448.5	978.4	3006.2	6533.8	6846.3
65°	202.2	202.2	203.2	208.0	221.6	285.7	617.6	2421.1	7072.2	8167.2
67.5°	188.5	189.1	188.5	190.1	198.0	211.1	358.2	1672.2	7362.1	9535.8
70°	174.4	175.4	172.8	172.8	179.1	179.6	224.3	917.0	7121.5	10682.8
72.5°	157.6	159.1	154.9	153.9	158.6	156.5	168.6	440.1	6114.2	11025.2
75°	142.9	145.0	135.5	132.9	132.9	131.3	137.1	225.8	3968.3	8993.8
77.5°	129.7	133.9	118.7	110.3	108.2	103.5	111.9	138.1	1735.7	4222.5
80°	107.1	112.9	97.7	87.7	84.0	78.8	88.2	96.6	516.3	980.5
82.5°	79.8	82.5	69.3	62.5	59.3	55.7	66.2	67.2	168.1	347.1
85°	50.9	52.0	42.5	36.8	35.2	33.6	42.0	36.8	64.1	255.2
87.5°	17.9	20.5	16.3	14.7	15.8	13.1	19.4	11.0	17.9	180.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1846.6
1847.6
1859.7
1872.3
1877.0
1881.2
1891.7
1914.8
1950.0
1987.8
2034.0
2089.2
2130.2
2175.8
2252.0
2354.9
2509.9
2605.5
2661.1
2826.0
3070.2
3435.2
3935.2
4576.0
5403.1
6423.6
7632.5
8958.6
10531.0
11424.4
9619.8
4134.8
939.0
392.3
370.8
223.2
0.0

OF REPORT)