

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: P846834

Luminaire Tested: **GLAN-SB2C-927-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846834
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-SB2C-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9541 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

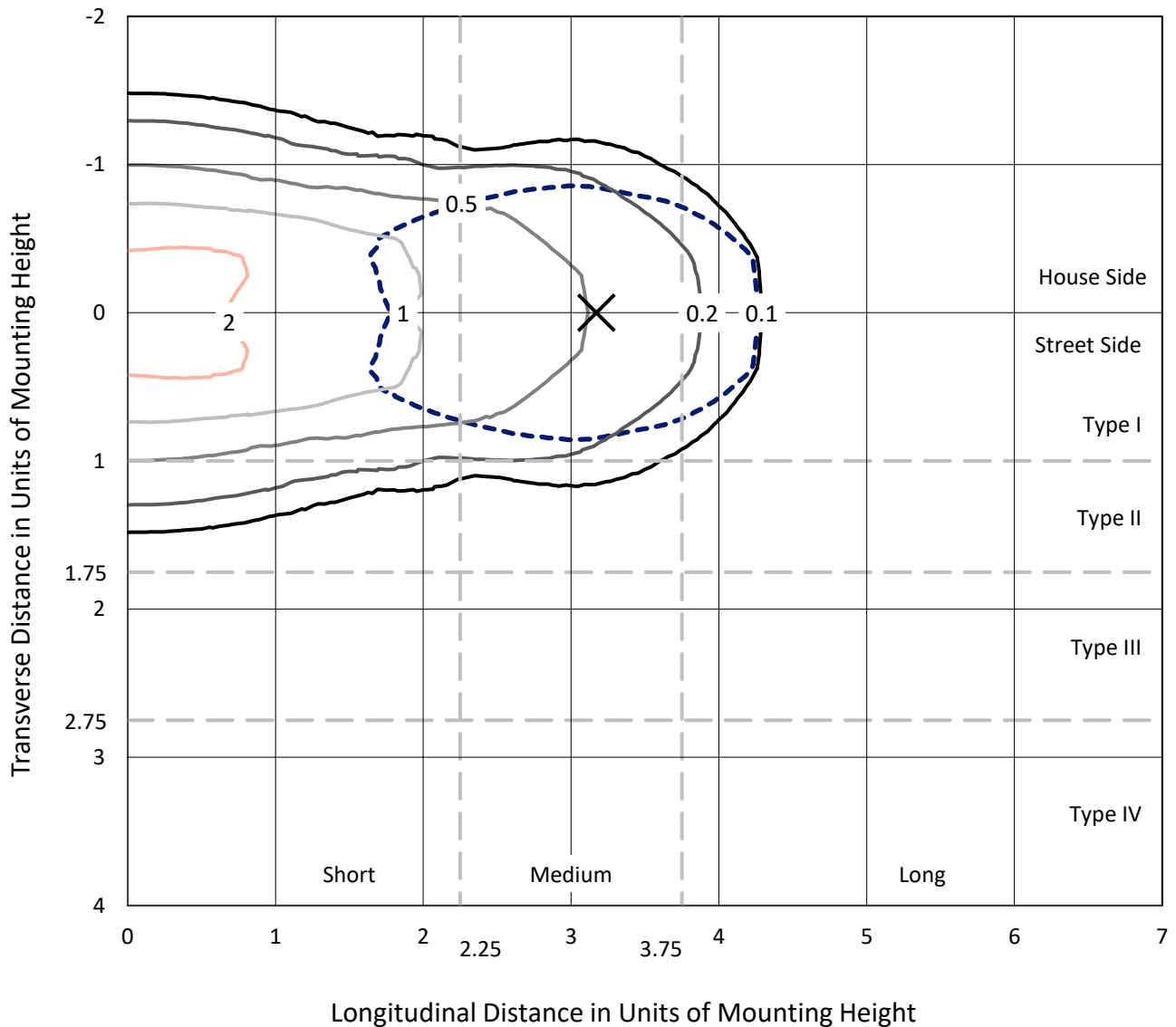
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

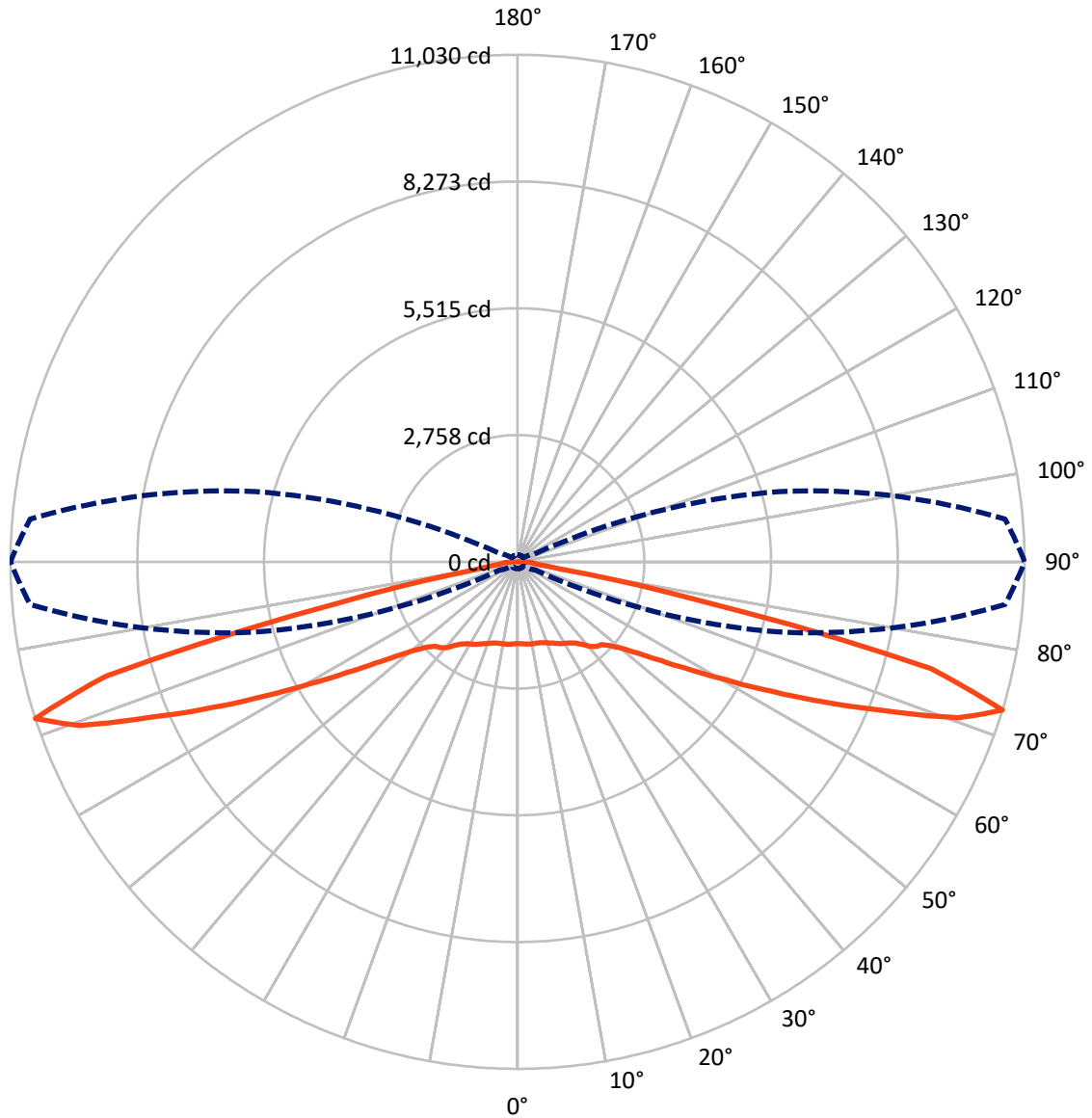
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	4770.5	0.0	4770.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4770.5	0.0	4770.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9541.0	0.0	9541.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.9	1.8
10°-20°	528.6	5.5
20°-30°	881.3	9.2
30°-40°	1212.1	12.7
40°-50°	1480.3	15.5
50°-60°	1712.1	17.9
60°-70°	2041.4	21.4
70°-80°	1424.8	14.9
80°-90°	87.5	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°	9541.0	100.0
0°-180°	9541.0	100.0

Coefficient of Utilization



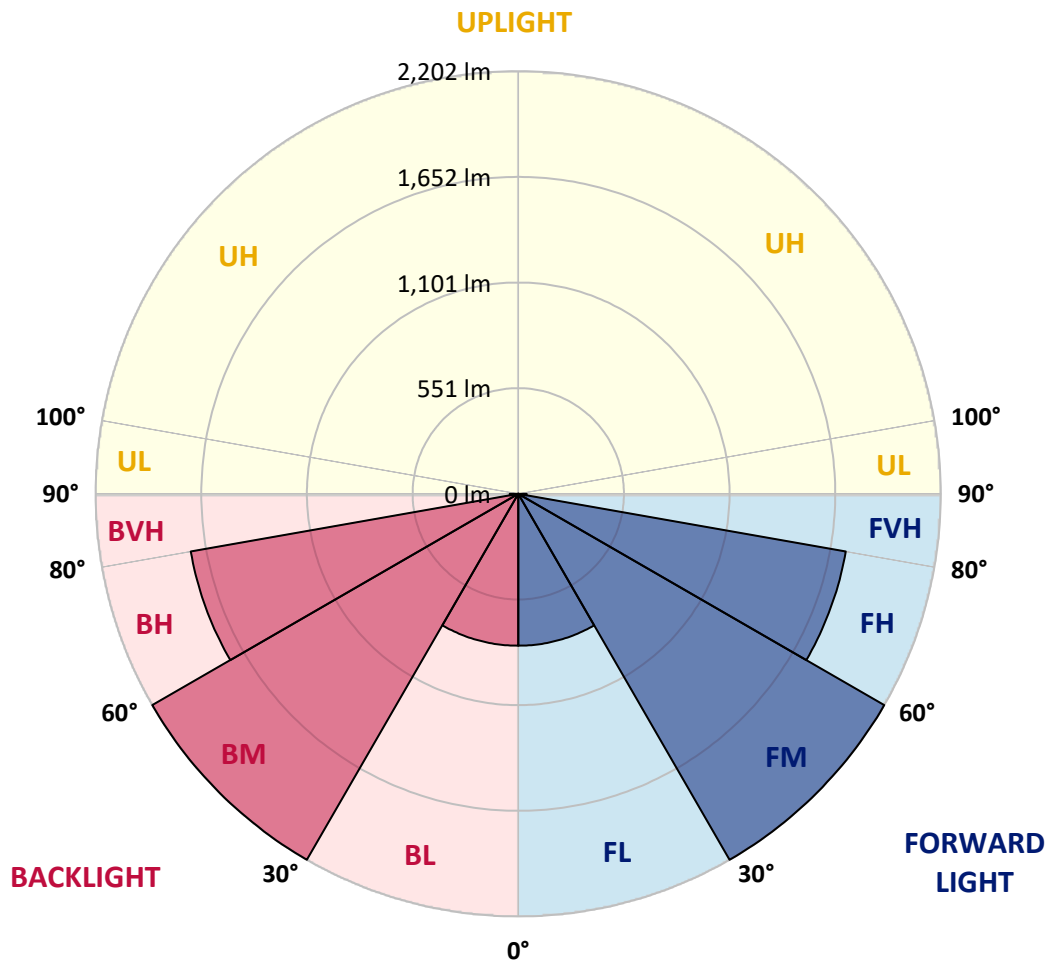
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	791.4	8.3			
FM (30°-60°)	2202.3	23.1			
FH (60°-80°)	1733.1	18.2			G1/1800
FVH (80°-90°)	43.8	0.5			G1/100
BL (0°-30°)	791.4	8.3	B2/1000		
BM (30°-60°)	2202.3	23.1	B2/2500		
BH (60°-80°)	1733.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	43.8	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°	1782.8	1782.8	1782.8	1782.8	1782.8	1782.8	1782.8	1782.8	1782.8	1782.8
2.5°	1784.4	1786.4	1786.4	1784.9	1788.4	1785.4	1785.4	1783.9	1785.4	1783.9
5°	1793.5	1796.0	1797.0	1796.5	1801.1	1798.6	1798.6	1796.5	1797.0	1795.5
7.5°	1810.7	1814.3	1816.3	1818.8	1825.4	1822.4	1820.4	1814.3	1811.7	1807.7
10°	1816.3	1820.4	1827.0	1840.1	1855.3	1855.9	1849.8	1834.6	1822.9	1813.8
12.5°	1799.1	1804.6	1818.3	1845.2	1879.2	1892.9	1883.2	1857.9	1835.1	1818.8
15°	1777.3	1783.3	1804.1	1844.7	1894.9	1926.8	1925.8	1892.4	1855.9	1830.5
17.5°	1743.3	1749.4	1779.3	1836.1	1907.1	1959.8	1974.0	1939.5	1888.3	1854.3
20°	1681.9	1687.5	1729.1	1808.7	1911.1	1994.8	2031.8	2001.4	1937.5	1891.3
22.5°	1602.3	1610.9	1659.6	1761.5	1901.5	2031.3	2097.7	2076.9	1994.8	1930.9
25°	1517.1	1526.3	1583.1	1703.7	1876.6	2057.7	2175.8	2162.6	2059.7	1980.1
27.5°	1443.6	1453.2	1515.1	1646.4	1838.1	2067.8	2252.9	2259.5	2138.3	2034.3
30°	1385.8	1394.9	1460.9	1600.3	1788.4	2057.7	2320.3	2366.0	2218.4	2081.5
32.5°	1322.4	1334.1	1403.6	1544.0	1729.6	2033.3	2379.1	2481.1	2311.2	2132.2
35°	1242.3	1253.0	1326.0	1466.9	1652.5	1994.3	2428.3	2608.8	2444.0	2209.3
37.5°	1145.0	1155.1	1227.6	1370.6	1576.0	1939.5	2465.9	2752.8	2602.3	2320.3
40°	1047.1	1056.7	1124.7	1263.1	1484.2	1869.5	2479.0	2893.8	2783.8	2473.0
42.5°	957.3	966.0	1028.3	1157.1	1381.2	1780.3	2461.8	3016.5	2946.5	2579.4
45°	874.7	882.3	937.6	1057.7	1274.3	1671.8	2410.1	3148.4	3140.2	2655.5
47.5°	780.4	788.0	845.3	961.4	1167.3	1544.5	2322.4	3278.2	3409.5	2827.9
50°	665.3	671.9	730.7	850.3	1056.2	1409.1	2200.7	3380.1	3749.2	3089.0
52.5°	528.9	536.0	593.3	712.9	924.4	1263.6	2040.4	3446.5	4141.7	3470.3
55°	393.5	398.6	448.2	555.7	761.1	1097.8	1839.6	3465.3	4586.9	3991.6
57.5°	285.5	288.5	320.5	400.6	577.0	890.4	1595.7	3416.6	5116.8	4659.9
60°	231.2	232.2	241.9	277.4	401.1	656.1	1301.1	3249.3	5691.8	5521.4
62.5°	209.9	209.9	212.5	222.1	271.3	433.0	944.7	2902.4	6308.4	6610.1
65°	195.2	195.2	196.2	200.8	214.0	275.8	596.3	2337.6	6828.1	7885.4
67.5°	182.0	182.5	182.0	183.6	191.2	203.8	345.8	1614.5	7108.0	9206.8
70°	168.3	169.4	166.8	166.8	172.9	173.4	216.5	885.3	6875.8	10314.2
72.5°	152.1	153.6	149.6	148.6	153.1	151.1	162.8	424.9	5903.2	10644.8
75°	137.9	139.9	130.8	128.3	128.3	126.8	132.3	218.0	3831.4	8683.5
77.5°	125.2	129.3	114.6	106.5	104.5	99.9	108.0	133.4	1675.8	4076.8
80°	103.4	109.0	94.3	84.7	81.1	76.1	85.2	93.3	498.4	946.7
82.5°	77.1	79.6	66.9	60.3	57.3	53.7	63.9	64.9	162.3	335.2
85°	49.2	50.2	41.1	35.5	34.0	32.5	40.6	35.5	61.9	246.4
87.5°	17.2	19.8	15.7	14.2	15.2	12.7	18.8	10.6	17.2	173.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1782.8
1783.9
1795.5
1807.7
1812.2
1816.3
1826.4
1848.8
1882.7
1919.2
1963.9
2017.1
2056.7
2100.8
2174.3
2273.7
2423.3
2515.5
2569.3
2728.5
2964.3
3316.7
3799.4
4418.0
5216.7
6201.9
7369.2
8649.5
10167.6
11030.2
9287.9
3992.1
906.6
378.8
358.0
215.5
0.0

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