

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: P847174

Luminaire Tested: **GLAN-SB3A-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847174  
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-SB3A-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8574 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

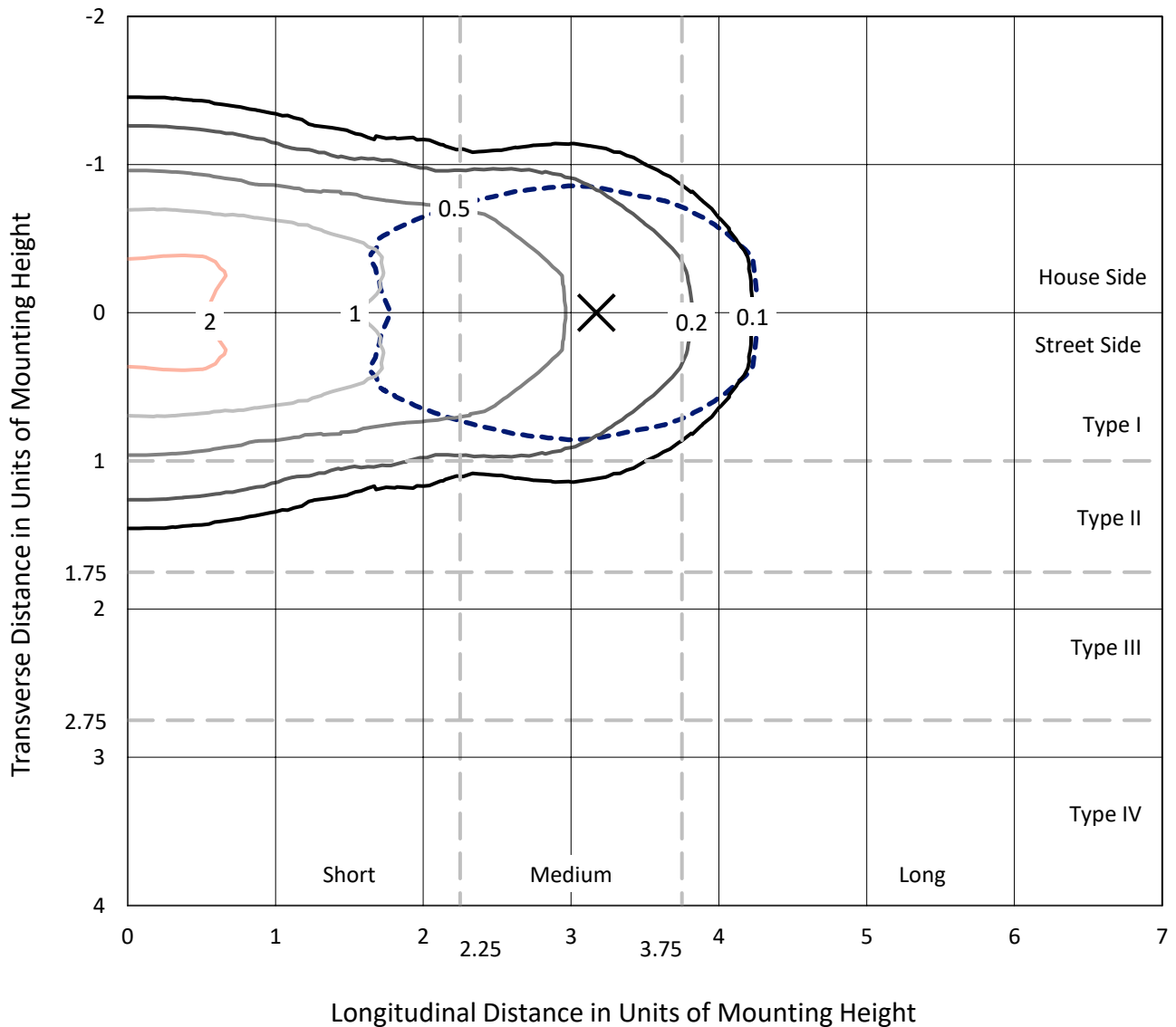
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

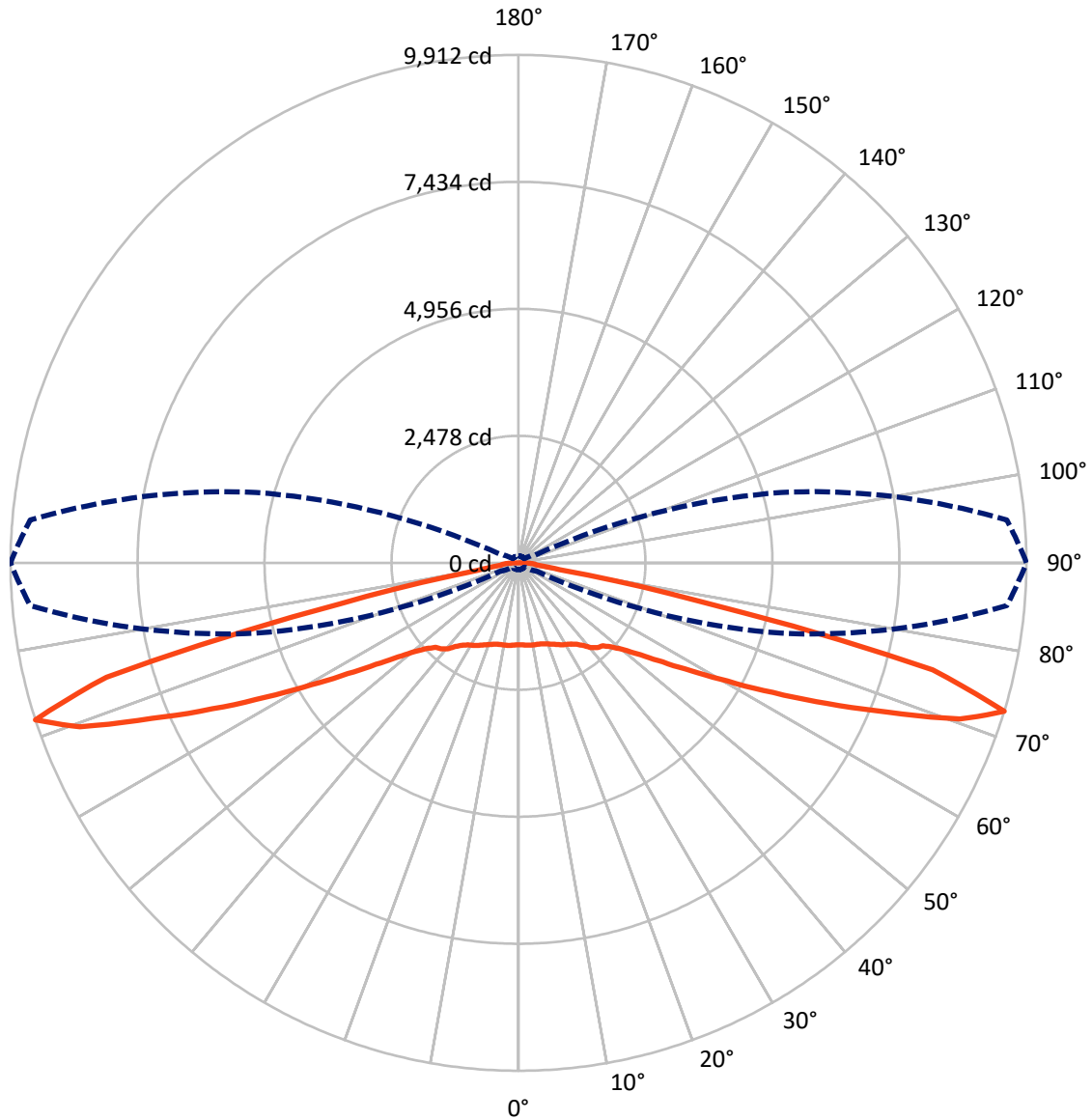
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	4287.0	0.0	4287.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4287.0	0.0	4287.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8574.0	0.0	8574.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.3	1.8
10°-20°	475.0	5.5
20°-30°	792.0	9.2
30°-40°	1089.2	12.7
40°-50°	1330.3	15.5
50°-60°	1538.6	17.9
60°-70°	1834.5	21.4
70°-80°	1280.4	14.9
80°-90°	78.6	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°	8574.0	100.0
0°-180°	8574.0	100.0

**Coefficient of Utilization**



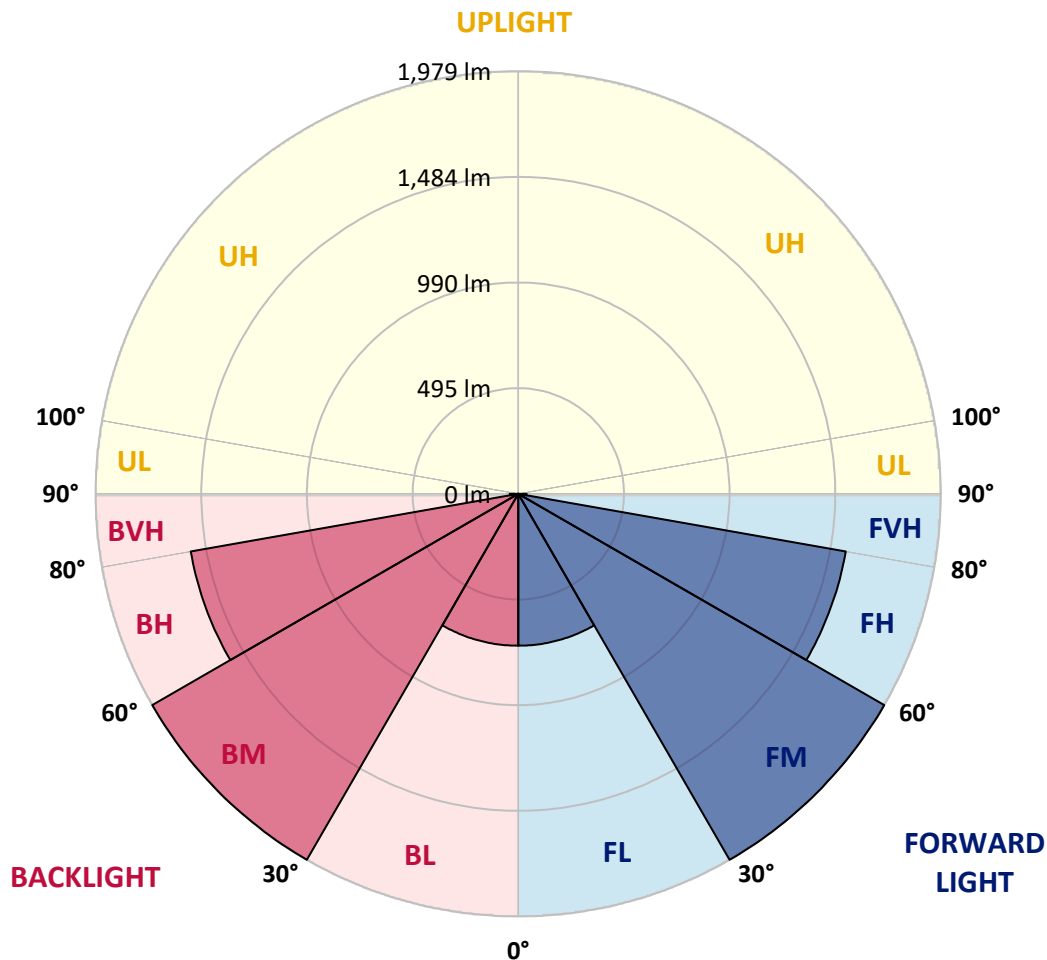
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	711.2	8.3			
FM (30°-60°)	1979.1	23.1			
FH (60°-80°)	1557.5	18.2			G1/1800
FVH (80°-90°)	39.3	0.5			G1/100
BL (0°-30°)	711.2	8.3	B2/1000		
BM (30°-60°)	1979.1	23.1	B2/2500		
BH (60°-80°)	1557.5	18.2	B3/2500		G3/2500
BVH (80°-90°)	39.3	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°	1602.1	1602.1	1602.1	1602.1	1602.1	1602.1	1602.1	1602.1	1602.1	1602.1
2.5°	1603.5	1605.3	1605.3	1604.0	1607.2	1604.4	1604.4	1603.1	1604.4	1603.1
5°	1611.7	1614.0	1614.9	1614.4	1618.5	1616.3	1616.3	1614.4	1614.9	1613.5
7.5°	1627.2	1630.4	1632.2	1634.5	1640.4	1637.7	1635.9	1630.4	1628.1	1624.5
10°	1632.2	1635.9	1641.8	1653.6	1667.3	1667.8	1662.3	1648.6	1638.1	1629.9
12.5°	1616.7	1621.7	1634.0	1658.2	1688.7	1701.0	1692.4	1669.6	1649.1	1634.5
15°	1597.1	1602.6	1621.3	1657.7	1702.8	1731.6	1730.6	1700.6	1667.8	1645.0
17.5°	1566.6	1572.1	1599.0	1650.0	1713.8	1761.2	1773.9	1742.9	1696.9	1666.4
20°	1511.5	1516.5	1553.8	1625.4	1717.4	1792.6	1825.9	1798.5	1741.1	1699.7
22.5°	1439.9	1447.7	1491.4	1583.0	1708.8	1825.4	1885.1	1866.4	1792.6	1735.2
25°	1363.4	1371.6	1422.6	1531.1	1686.4	1849.1	1955.3	1943.4	1850.9	1779.4
27.5°	1297.3	1306.0	1361.5	1479.6	1651.8	1858.2	2024.6	2030.5	1921.6	1828.2
30°	1245.4	1253.6	1312.8	1438.1	1607.2	1849.1	2085.2	2126.2	1993.6	1870.5
32.5°	1188.4	1198.9	1261.3	1387.5	1554.3	1827.2	2138.0	2229.6	2077.0	1916.1
35°	1116.4	1126.0	1191.6	1318.3	1485.0	1792.2	2182.2	2344.4	2196.3	1985.4
37.5°	1028.9	1038.0	1103.2	1231.7	1416.2	1742.9	2215.9	2473.8	2338.5	2085.2
40°	941.0	949.6	1010.7	1135.1	1333.8	1680.1	2227.8	2600.5	2501.6	2222.3
42.5°	860.3	868.1	924.1	1039.8	1241.3	1599.9	2212.3	2710.8	2647.9	2318.0
45°	786.0	792.9	842.5	950.5	1145.1	1502.4	2165.8	2829.3	2822.0	2386.4
47.5°	701.3	708.1	759.6	864.0	1049.0	1388.0	2087.0	2945.9	3063.9	2541.3
50°	597.8	603.8	656.6	764.2	949.2	1266.3	1977.6	3037.5	3369.2	2776.0
52.5°	475.3	481.6	533.1	640.7	830.7	1135.5	1833.6	3097.2	3721.9	3118.6
55°	353.6	358.2	402.8	499.4	684.0	986.5	1653.2	3114.1	4122.0	3587.0
57.5°	256.5	259.3	288.0	360.0	518.6	800.2	1434.0	3070.3	4598.2	4187.6
60°	207.8	208.7	217.4	249.3	360.4	589.6	1169.3	2919.9	5114.9	4961.8
62.5°	188.6	188.6	190.9	199.6	243.8	389.1	848.9	2608.3	5669.0	5940.1
65°	175.4	175.4	176.3	180.4	192.3	247.9	535.9	2100.6	6136.1	7086.2
67.5°	163.6	164.0	163.6	165.0	171.8	183.2	310.8	1450.9	6387.6	8273.6
70°	151.3	152.2	149.9	149.9	155.4	155.8	194.6	795.6	6178.9	9268.8
72.5°	136.7	138.1	134.4	133.5	137.6	135.8	146.3	381.9	5304.9	9565.9
75°	123.9	125.8	117.6	115.3	115.3	113.9	118.9	195.9	3443.1	7803.4
77.5°	112.6	116.2	103.0	95.7	93.9	89.8	97.1	119.8	1506.0	3663.6
80°	93.0	98.0	84.8	76.1	72.9	68.4	76.6	83.8	447.9	850.7
82.5°	69.3	71.5	60.1	54.2	51.5	48.3	57.4	58.3	145.8	301.2
85°	44.2	45.1	36.9	31.9	30.5	29.2	36.5	31.9	55.6	221.5
87.5°	15.5	17.8	14.1	12.8	13.7	11.4	16.9	9.6	15.5	156.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1602.1  
1603.1  
1613.5  
1624.5  
1628.6  
1632.2  
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1764.8  
1812.7  
1848.2  
1887.8  
1953.9  
2043.2  
2177.7  
2260.6  
2308.9  
2452.0  
2663.9  
2980.5  
3414.3  
3970.3  
4688.0  
5573.3  
6622.3  
7772.9  
9137.1  
9912.2  
8346.5  
3587.5  
814.7  
340.4  
321.7  
193.7  
0.0

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