

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: P846664

Luminaire Tested: **GLAN-SB2B-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846664  
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-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7174 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

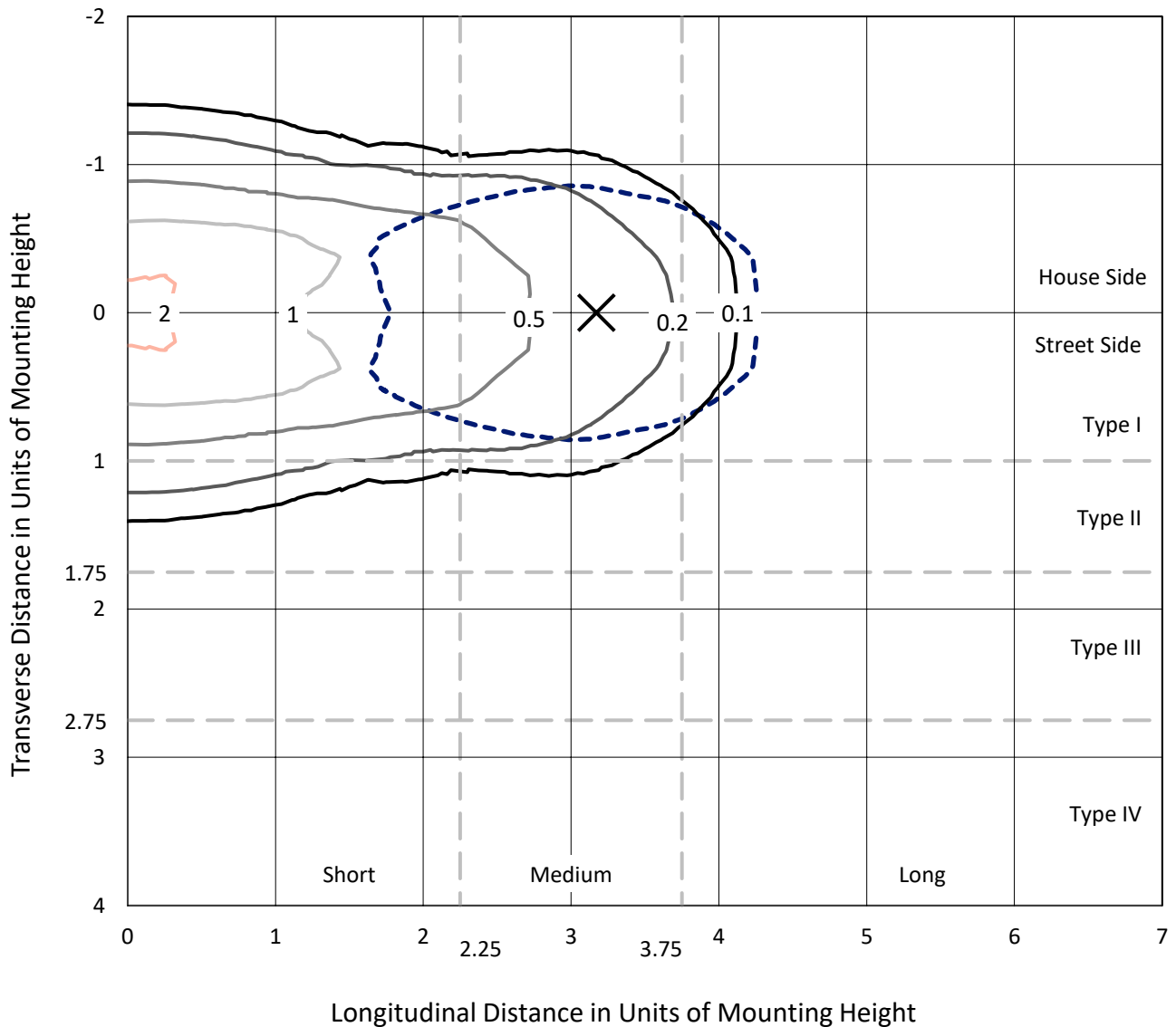
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

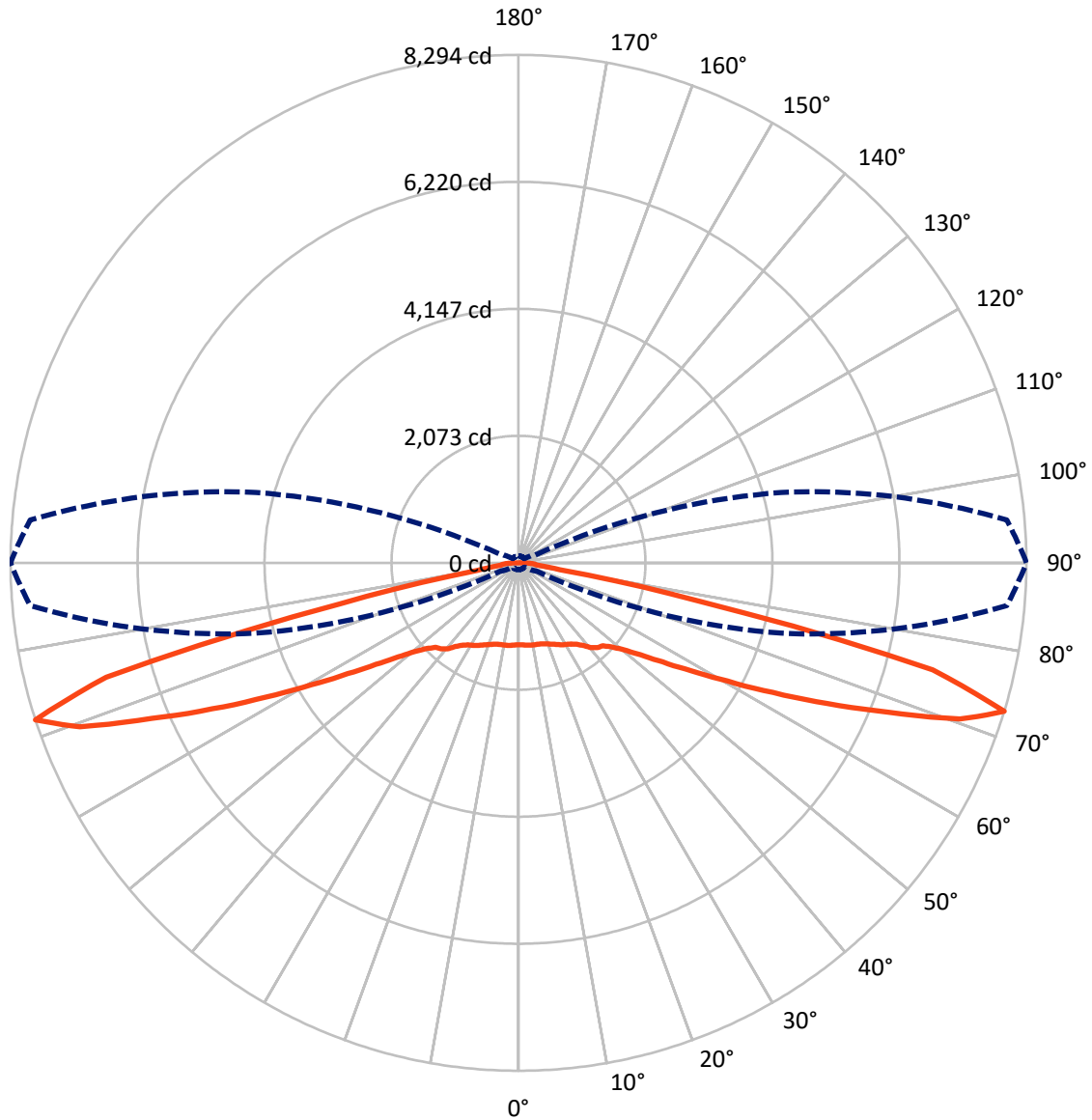
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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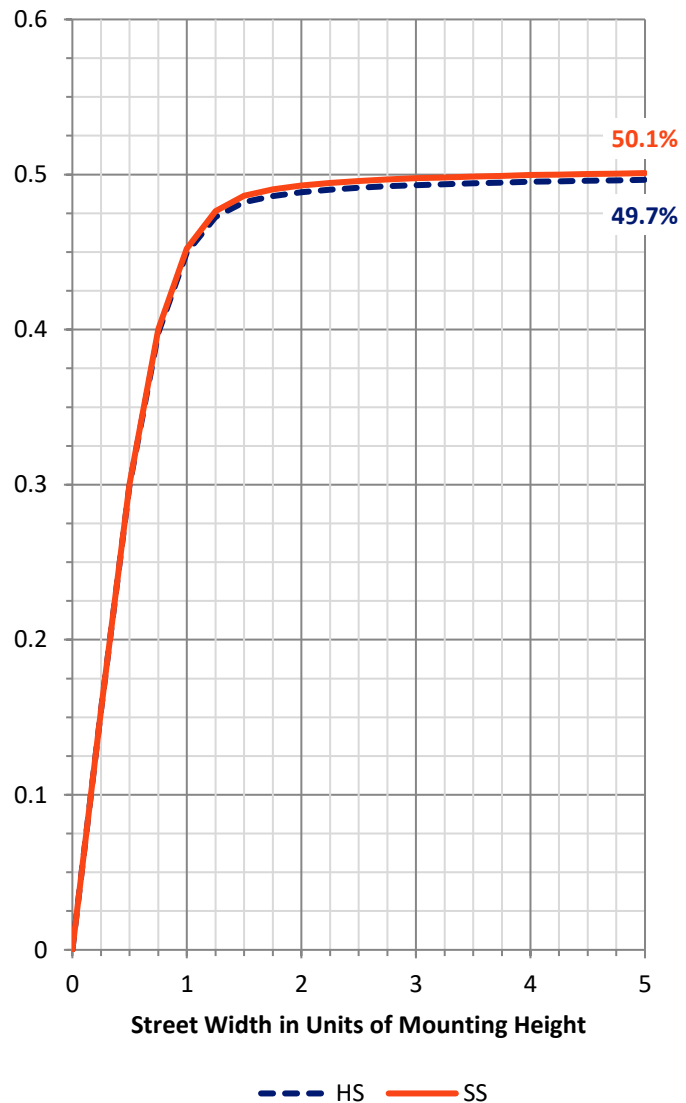
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3587.0	0.0	3587.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3587.0	0.0	3587.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7174.0	0.0	7174.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.0	1.8
10°-20°	397.4	5.5
20°-30°	662.7	9.2
30°-40°	911.4	12.7
40°-50°	1113.1	15.5
50°-60°	1287.4	17.9
60°-70°	1535.0	21.4
70°-80°	1071.3	14.9
80°-90°	65.8	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°	7174.0	100.0
0°-180°	7174.0	100.0

**Coefficient of Utilization**



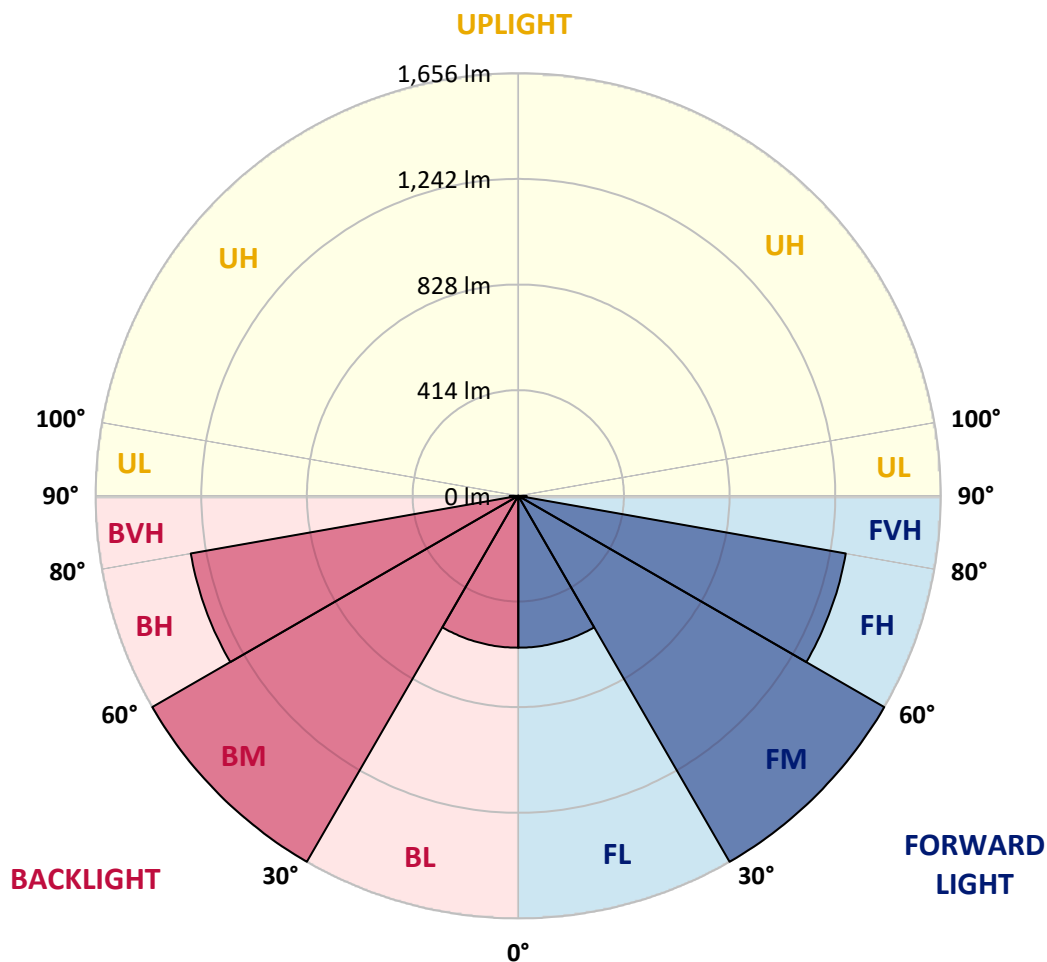
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	595.0	8.3			
FM (30°-60°)	1655.9	23.1			
FH (60°-80°)	1303.1	18.2			G1/1800
FVH (80°-90°)	32.9	0.5			G1/100
BL (0°-30°)	595.0	8.3	B2/1000		
BM (30°-60°)	1655.9	23.1	B2/2500		
BH (60°-80°)	1303.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	32.9	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°	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1341.7	1343.2	1343.2	1342.1	1344.7	1342.4	1342.4	1341.3	1342.4	1341.3
5°	1348.5	1350.5	1351.2	1350.8	1354.3	1352.4	1352.4	1350.8	1351.2	1350.1
7.5°	1361.5	1364.2	1365.7	1367.6	1372.6	1370.3	1368.8	1364.2	1362.3	1359.2
10°	1365.7	1368.8	1373.7	1383.6	1395.1	1395.4	1390.9	1379.4	1370.7	1363.8
12.5°	1352.7	1356.9	1367.2	1387.4	1413.0	1423.3	1416.0	1397.0	1379.8	1367.6
15°	1336.3	1340.9	1356.6	1387.1	1424.8	1448.8	1448.1	1422.9	1395.4	1376.4
17.5°	1310.8	1315.4	1337.9	1380.6	1433.9	1473.6	1484.3	1458.3	1419.8	1394.3
20°	1264.7	1268.9	1300.1	1360.0	1437.0	1499.9	1527.7	1504.9	1456.8	1422.1
22.5°	1204.8	1211.3	1247.9	1324.5	1429.8	1527.4	1577.3	1561.7	1499.9	1451.9
25°	1140.8	1147.6	1190.3	1281.1	1411.1	1547.2	1636.0	1626.1	1548.7	1488.9
27.5°	1085.5	1092.7	1139.2	1238.0	1382.1	1554.8	1694.0	1698.9	1607.8	1529.6
30°	1042.0	1048.9	1098.4	1203.3	1344.7	1547.2	1744.7	1779.0	1668.0	1565.1
32.5°	994.3	1003.1	1055.3	1161.0	1300.5	1528.9	1788.9	1865.5	1737.8	1603.2
35°	934.1	942.1	997.0	1103.0	1242.6	1499.5	1825.9	1961.6	1837.7	1661.2
37.5°	860.9	868.5	923.0	1030.6	1185.0	1458.3	1854.1	2069.9	1956.7	1744.7
40°	787.3	794.6	845.7	949.7	1116.0	1405.7	1864.0	2175.9	2093.2	1859.4
42.5°	719.8	726.3	773.2	870.1	1038.6	1338.6	1851.1	2268.2	2215.5	1939.5
45°	657.7	663.4	705.0	795.3	958.1	1257.0	1812.2	2367.3	2361.2	1996.7
47.5°	586.8	592.5	635.6	722.9	877.7	1161.3	1746.2	2464.9	2563.6	2126.3
50°	500.2	505.2	549.4	639.4	794.2	1059.5	1654.7	2541.5	2819.1	2322.7
52.5°	397.7	403.0	446.1	536.1	695.1	950.1	1534.2	2591.5	3114.2	2609.4
55°	295.9	299.7	337.0	417.9	572.3	825.4	1383.2	2605.6	3448.9	3001.3
57.5°	214.7	216.9	241.0	301.2	433.9	669.5	1199.8	2569.0	3847.4	3503.9
60°	173.9	174.6	181.9	208.6	301.6	493.4	978.3	2443.2	4279.7	4151.6
62.5°	157.8	157.8	159.8	167.0	204.0	325.6	710.3	2182.4	4743.4	4970.2
65°	146.8	146.8	147.6	151.0	160.9	207.4	448.4	1757.6	5134.2	5929.1
67.5°	136.9	137.3	136.9	138.0	143.7	153.3	260.0	1214.0	5344.6	6922.7
70°	126.6	127.3	125.4	125.4	130.0	130.4	162.8	665.7	5170.0	7755.4
72.5°	114.4	115.5	112.5	111.7	115.1	113.6	122.4	319.5	4438.7	8004.0
75°	103.7	105.2	98.4	96.5	96.5	95.3	99.5	163.9	2880.9	6529.2
77.5°	94.2	97.2	86.2	80.1	78.5	75.1	81.2	100.3	1260.1	3065.4
80°	77.8	82.0	70.9	63.7	61.0	57.2	64.1	70.2	374.8	711.8
82.5°	58.0	59.9	50.3	45.4	43.1	40.4	48.0	48.8	122.0	252.0
85°	37.0	37.7	30.9	26.7	25.5	24.4	30.5	26.7	46.5	185.3
87.5°	13.0	14.9	11.8	10.7	11.4	9.5	14.1	8.0	13.0	130.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1340.5  
1341.3  
1350.1  
1359.2  
1362.7  
1365.7  
1373.3  
1390.1  
1415.6  
1443.1  
1476.7  
1516.7  
1546.4  
1579.6  
1634.9  
1709.6  
1822.1  
1891.5  
1931.9  
2051.6  
2228.9  
2493.9  
2856.8  
3322.0  
3922.5  
4663.3  
5541.0  
6503.7  
7645.2  
8293.7  
6983.7  
3001.7  
681.7  
284.8  
269.2  
162.0  
0.0

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