

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: P846494

Luminaire Tested: **GLAN-SB2A-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846494  
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-SB2A-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 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: 5715 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

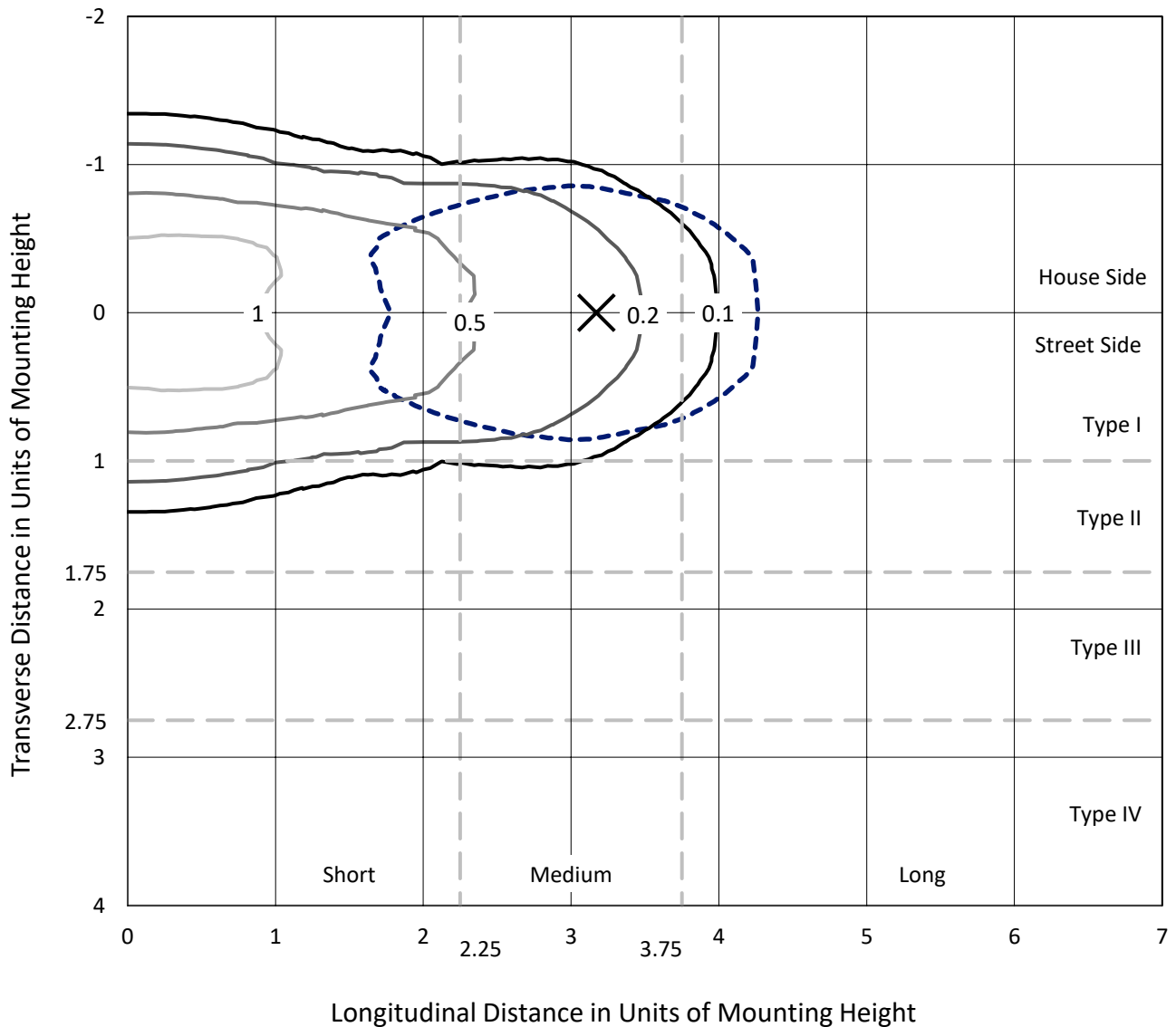
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

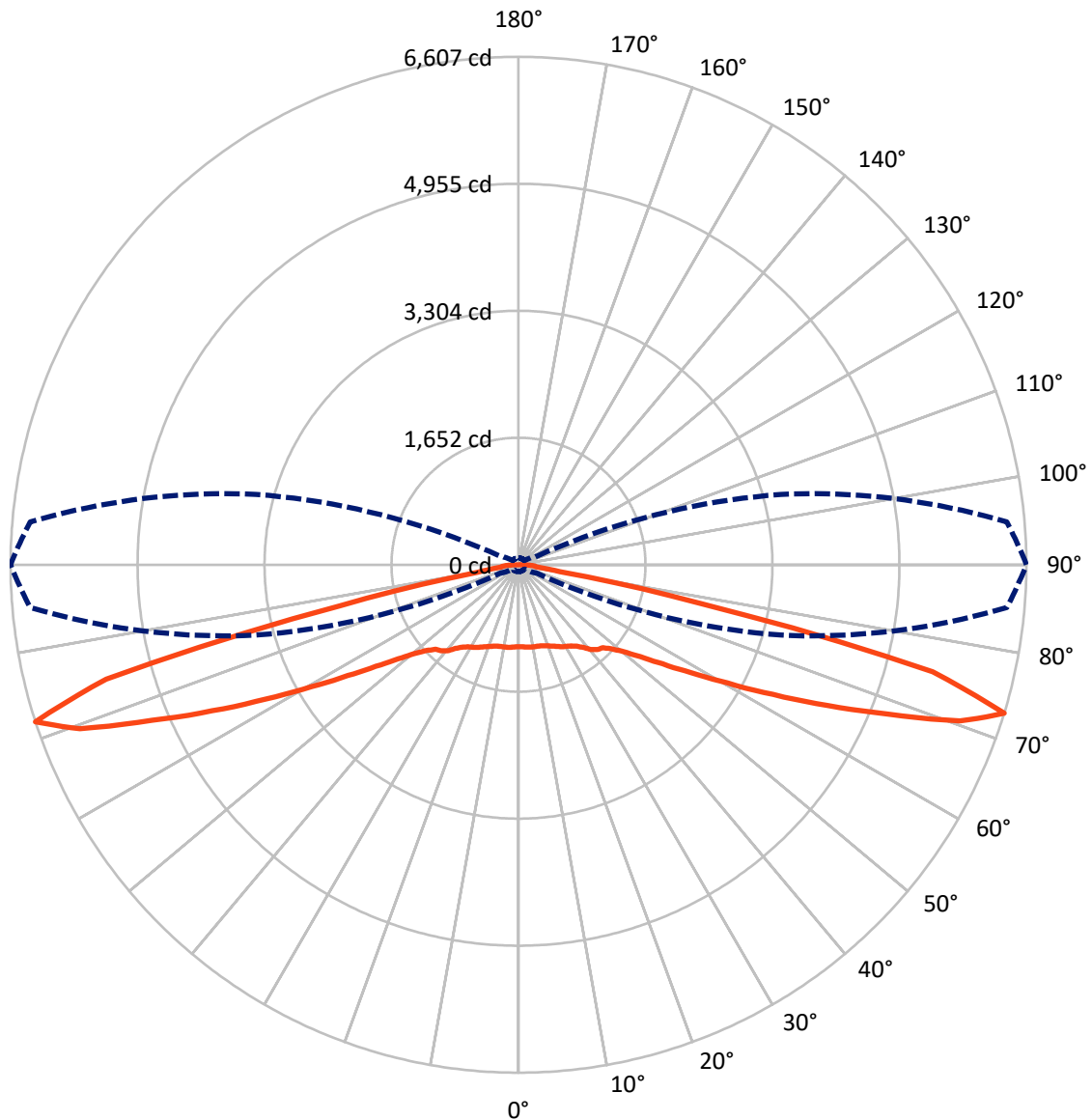
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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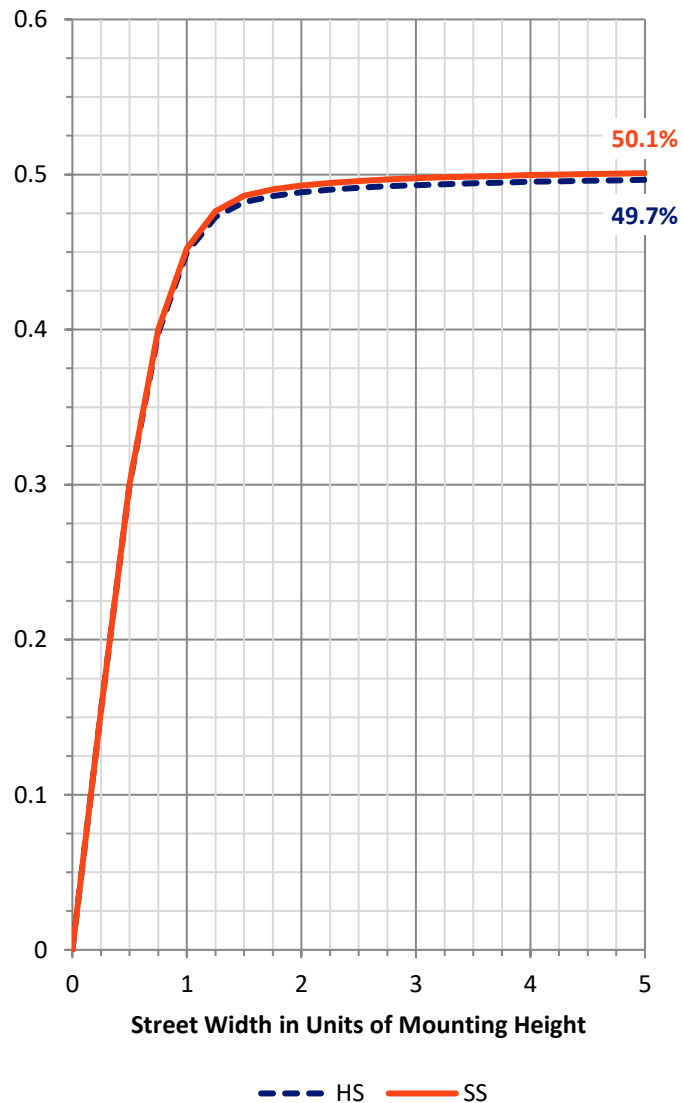
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2857.5	0.0	2857.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2857.5	0.0	2857.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5715.0	0.0	5715.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.5	1.8
10°-20°	316.6	5.5
20°-30°	527.9	9.2
30°-40°	726.0	12.7
40°-50°	886.7	15.5
50°-60°	1025.5	17.9
60°-70°	1222.8	21.4
70°-80°	853.4	14.9
80°-90°	52.4	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°	5715.0	100.0
0°-180°	5715.0	100.0

**Coefficient of Utilization**



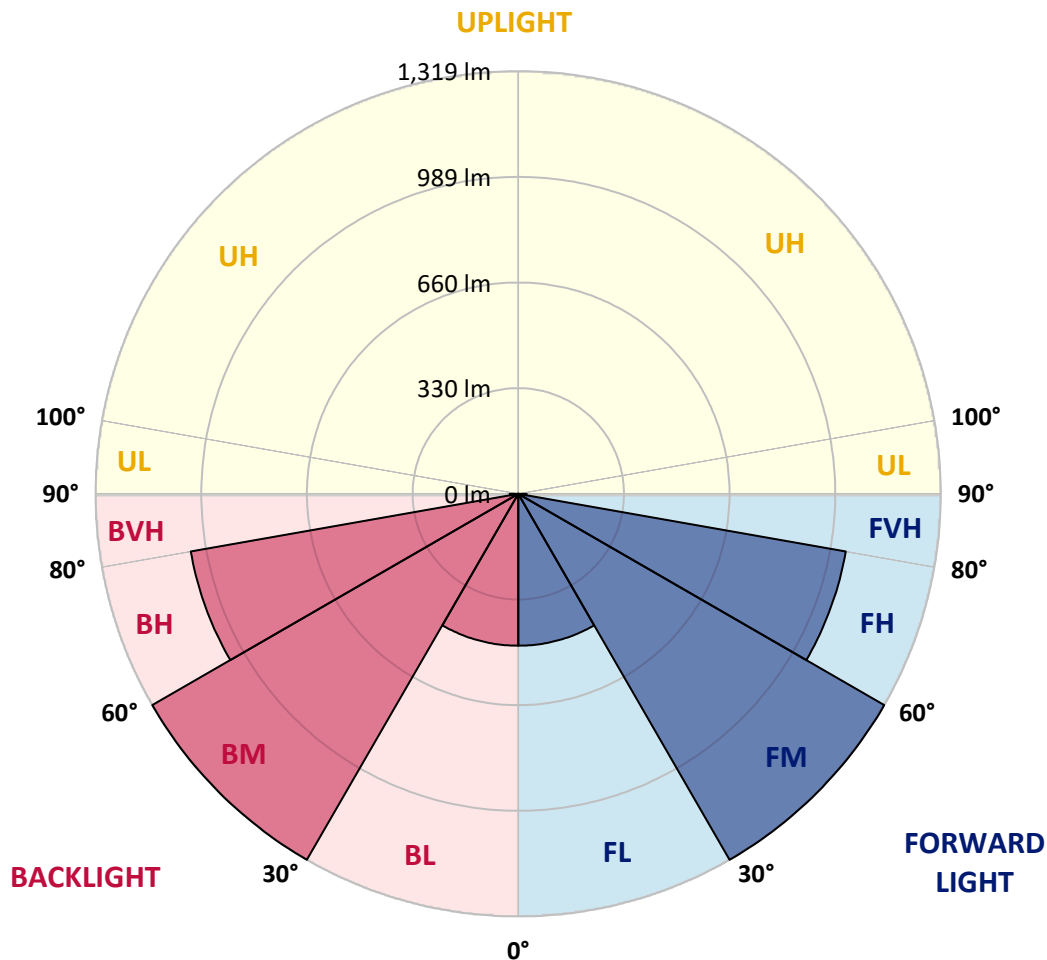
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.0	8.3			
FM (30°-60°)	1319.1	23.1			
FH (60°-80°)	1038.1	18.2			G1/1800
FVH (80°-90°)	26.2	0.5			G1/100
BL (0°-30°)	474.0	8.3	B1/500		
BM (30°-60°)	1319.1	23.1	B2/2500		
BH (60°-80°)	1038.1	18.2	B3/2500		G3/2500
BVH (80°-90°)	26.2	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°	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9
2.5°	1068.8	1070.0	1070.0	1069.1	1071.2	1069.4	1069.4	1068.5	1069.4	1068.5
5°	1074.3	1075.8	1076.4	1076.1	1078.8	1077.3	1077.3	1076.1	1076.4	1075.5
7.5°	1084.6	1086.7	1088.0	1089.5	1093.4	1091.6	1090.4	1086.7	1085.2	1082.8
10°	1088.0	1090.4	1094.3	1102.2	1111.3	1111.6	1108.0	1098.9	1091.9	1086.4
12.5°	1077.6	1081.0	1089.2	1105.3	1125.6	1133.8	1128.0	1112.9	1099.2	1089.5
15°	1064.6	1068.2	1080.7	1105.0	1135.0	1154.2	1153.6	1133.5	1111.6	1096.5
17.5°	1044.2	1047.9	1065.8	1099.8	1142.3	1173.9	1182.4	1161.8	1131.1	1110.7
20°	1007.5	1010.8	1035.7	1083.4	1144.8	1194.9	1217.0	1198.8	1160.5	1132.9
22.5°	959.8	964.9	994.1	1055.2	1139.0	1216.7	1256.5	1244.1	1194.9	1156.6
25°	908.8	914.2	948.2	1020.5	1124.1	1232.5	1303.3	1295.4	1233.7	1186.1
27.5°	864.7	870.5	907.5	986.2	1101.0	1238.6	1349.5	1353.4	1280.8	1218.6
30°	830.1	835.6	875.0	958.6	1071.2	1232.5	1389.9	1417.2	1328.8	1246.8
32.5°	792.1	799.1	840.7	924.9	1036.0	1217.9	1425.1	1486.1	1384.4	1277.2
35°	744.1	750.5	794.2	878.7	989.8	1194.6	1454.6	1562.7	1464.0	1323.3
37.5°	685.8	691.9	735.3	821.0	944.0	1161.8	1477.0	1648.9	1558.7	1389.9
40°	627.2	633.0	673.7	756.6	889.0	1119.8	1484.9	1733.4	1667.5	1481.3
42.5°	573.4	578.6	616.0	693.1	827.4	1066.4	1474.6	1806.9	1765.0	1545.1
45°	523.9	528.5	561.6	633.6	763.3	1001.4	1443.6	1885.8	1881.0	1590.6
47.5°	467.4	472.0	506.3	575.9	699.2	925.2	1391.1	1963.6	2042.3	1693.9
50°	398.5	402.4	437.7	509.4	632.7	844.1	1318.2	2024.7	2245.8	1850.3
52.5°	316.8	321.0	355.4	427.0	553.7	756.9	1222.2	2064.4	2480.9	2078.7
55°	235.7	238.7	268.5	332.9	455.9	657.6	1101.9	2075.7	2747.5	2390.9
57.5°	171.0	172.8	192.0	239.9	345.6	533.3	955.8	2046.5	3064.9	2791.3
60°	138.5	139.1	144.9	166.1	240.2	393.0	779.4	1946.3	3409.3	3307.3
62.5°	125.7	125.7	127.3	133.0	162.5	259.4	565.8	1738.5	3778.7	3959.4
65°	116.9	116.9	117.5	120.3	128.2	165.2	357.2	1400.2	4090.0	4723.3
67.5°	109.0	109.3	109.0	109.9	114.5	122.1	207.1	967.1	4257.7	5514.8
70°	100.8	101.4	99.9	99.9	103.6	103.9	129.7	530.3	4118.6	6178.1
72.5°	91.1	92.0	89.6	89.0	91.7	90.5	97.5	254.5	3536.0	6376.2
75°	82.6	83.8	78.4	76.8	76.8	75.9	79.3	130.6	2295.0	5201.3
77.5°	75.0	77.5	68.6	63.8	62.6	59.8	64.7	79.9	1003.8	2442.0
80°	62.0	65.3	56.5	50.7	48.6	45.6	51.0	55.9	298.6	567.1
82.5°	46.2	47.7	40.1	36.1	34.3	32.2	38.3	38.9	97.2	200.8
85°	29.5	30.1	24.6	21.3	20.3	19.4	24.3	21.3	37.1	147.6
87.5°	10.3	11.8	9.4	8.5	9.1	7.6	11.2	6.4	10.3	104.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1067.9  
1068.5  
1075.5  
1082.8  
1085.5  
1088.0  
1094.0  
1107.4  
1127.7  
1149.6  
1176.3  
1208.2  
1231.9  
1258.3  
1302.4  
1361.9  
1451.5  
1506.8  
1539.0  
1634.4  
1775.6  
1986.7  
2275.8  
2646.4  
3124.8  
3714.9  
4414.1  
5181.0  
6090.4  
6607.0  
5563.4  
2391.3  
543.1  
226.9  
214.4  
129.1  
0.0

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