

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: P845814

Luminaire Tested: **GLAN-SB1A-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845814  
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-SB1A-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2859 lumens  
Efficiency: N/A  
Efficacy: 92.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B2 - U0 - G2

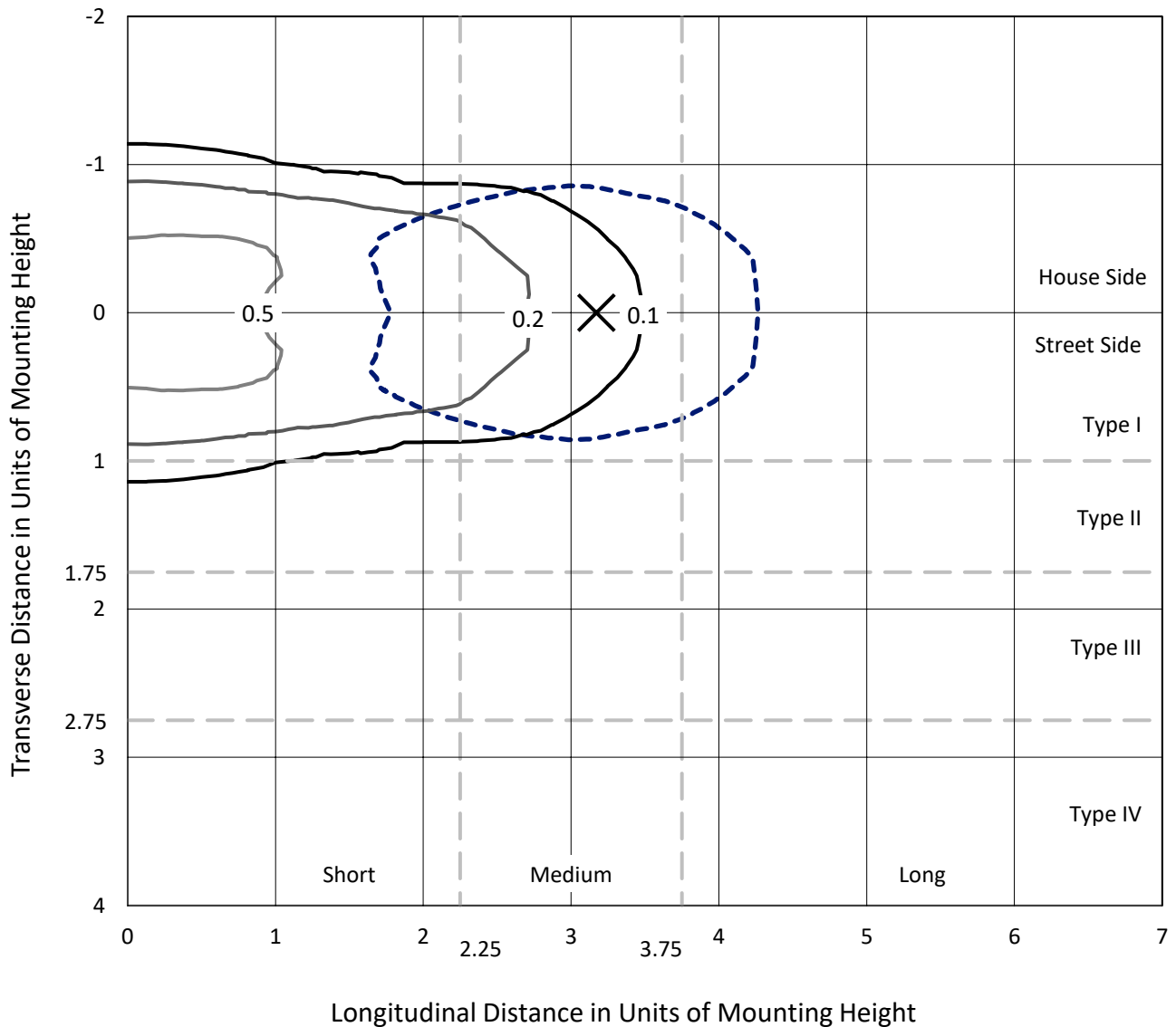
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

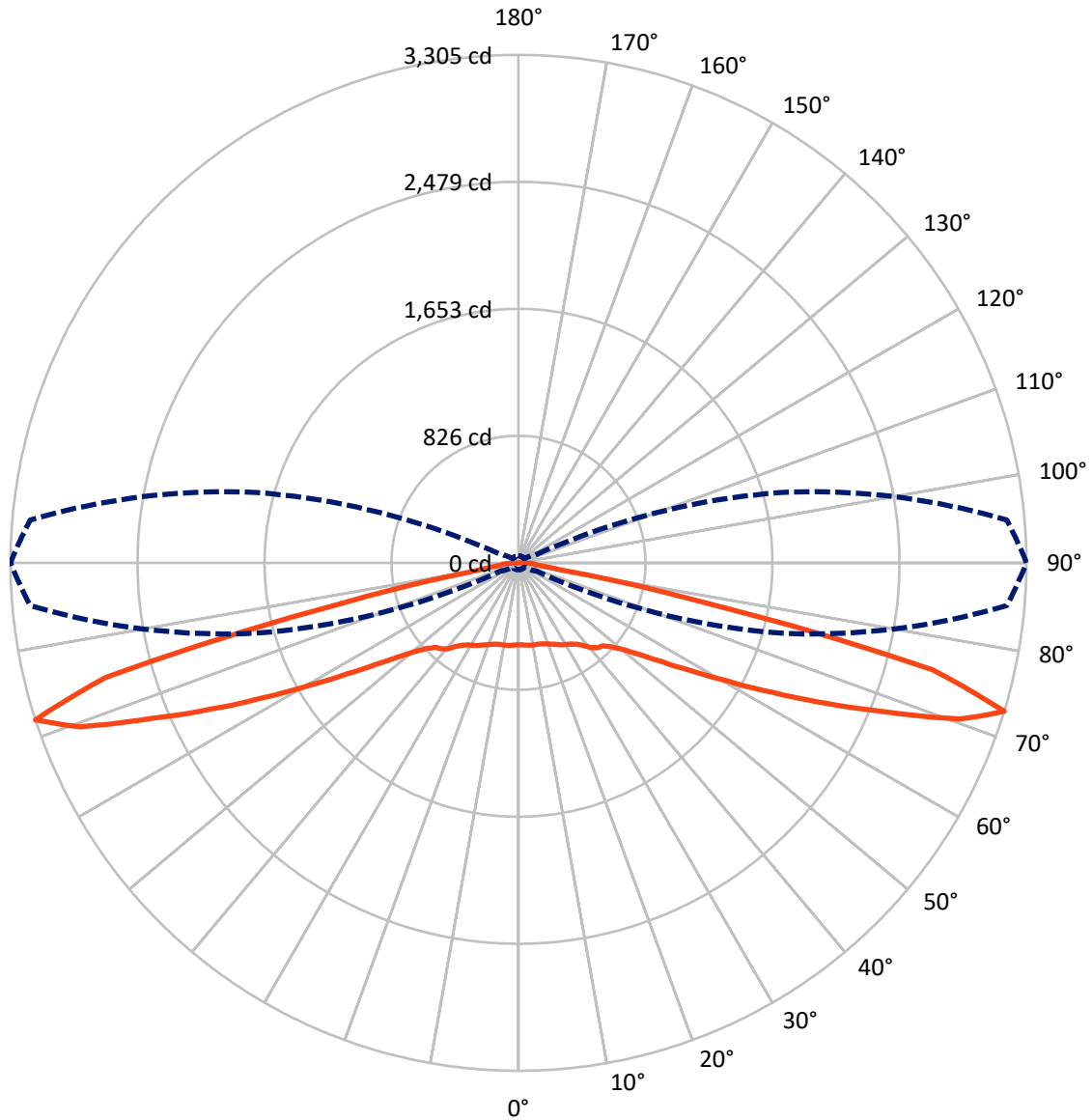
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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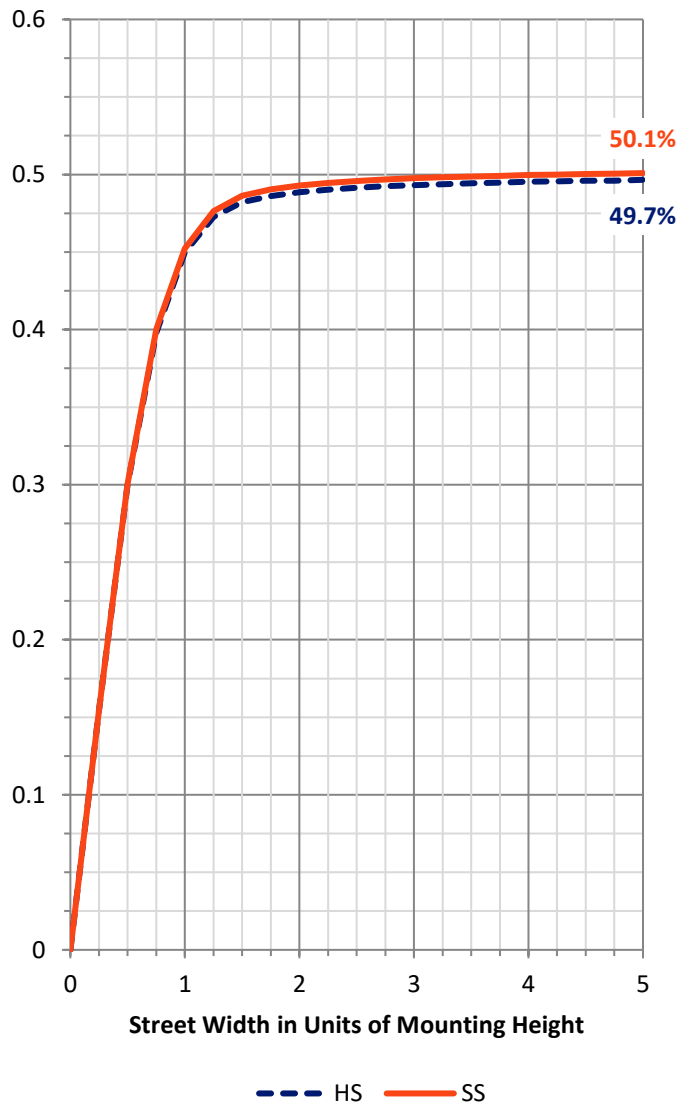
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1429.5	0.0	1429.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1429.5	0.0	1429.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2859.0	0.0	2859.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.8	1.8
10°-20°	158.4	5.5
20°-30°	264.1	9.2
30°-40°	363.2	12.7
40°-50°	443.6	15.5
50°-60°	513.1	17.9
60°-70°	611.7	21.4
70°-80°	426.9	14.9
80°-90°	26.2	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°	2859.0	100.0
0°-180°	2859.0	100.0

**Coefficient of Utilization**

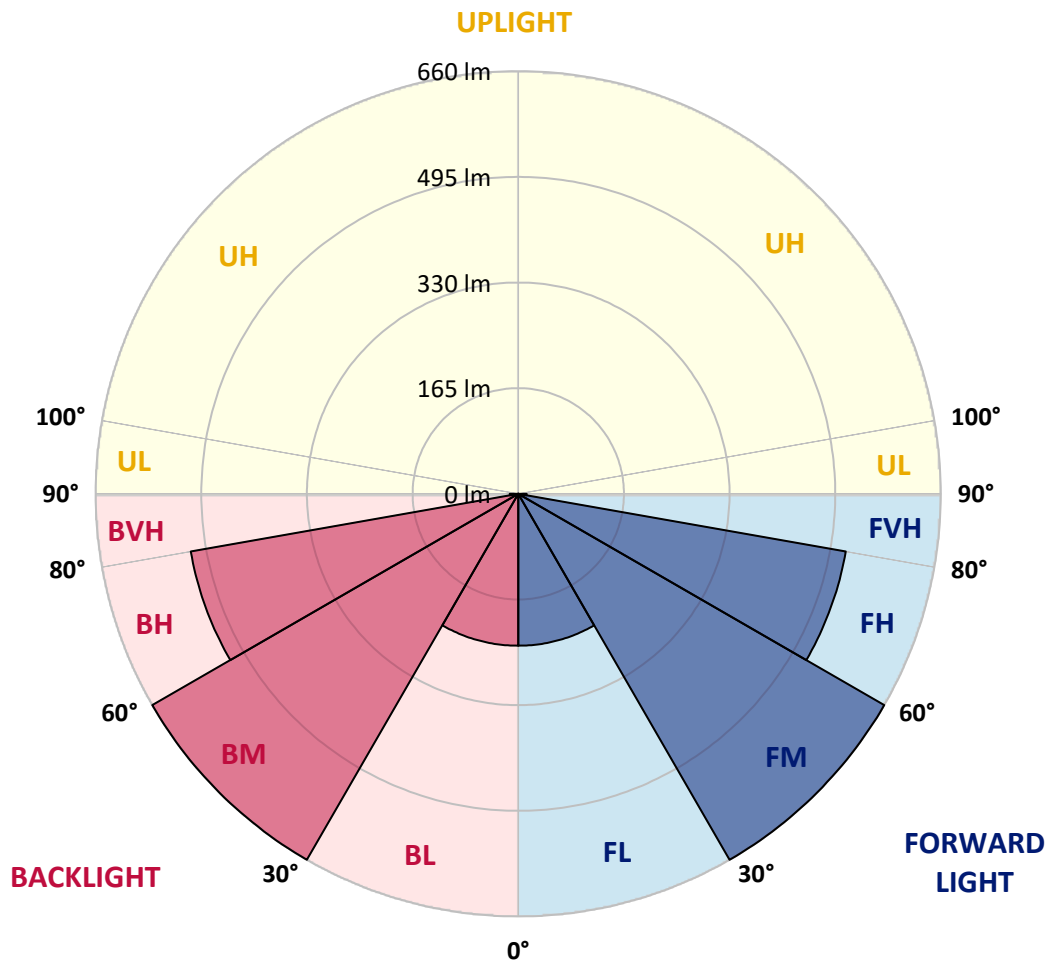


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.1	8.3			
FM (30°-60°)	659.9	23.1			
FH (60°-80°)	519.3	18.2			G0/660
FVH (80°-90°)	13.1	0.5			G1/100
BL (0°-30°)	237.1	8.3	B1/500		
BM (30°-60°)	659.9	23.1	B1/1000		
BH (60°-80°)	519.3	18.2	B2/1000		G2/1000
BVH (80°-90°)	13.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2	534.2
2.5°	534.7	535.3	535.3	534.8	535.9	535.0	535.0	534.5	535.0	534.5
5°	537.4	538.2	538.5	538.3	539.7	538.9	538.9	538.3	538.5	538.0
7.5°	542.6	543.7	544.3	545.0	547.0	546.1	545.5	543.7	542.9	541.7
10°	544.3	545.5	547.5	551.4	556.0	556.1	554.3	549.7	546.2	543.5
12.5°	539.1	540.8	544.9	552.9	563.1	567.2	564.3	556.7	549.9	545.0
15°	532.6	534.4	540.6	552.8	567.8	577.4	577.1	567.1	556.1	548.5
17.5°	522.4	524.2	533.2	550.2	571.5	587.3	591.5	581.2	565.8	555.7
20°	504.0	505.7	518.1	542.0	572.7	597.7	608.8	599.7	580.6	566.8
22.5°	480.1	482.7	497.3	527.9	569.8	608.7	628.6	622.4	597.7	578.6
25°	454.6	457.4	474.4	510.5	562.3	616.6	652.0	648.0	617.2	593.3
27.5°	432.6	435.5	454.0	493.4	550.8	619.6	675.1	677.1	640.7	609.6
30°	415.3	418.0	437.8	479.5	535.9	616.6	695.3	709.0	664.8	623.7
32.5°	396.3	399.8	420.6	462.7	518.3	609.3	712.9	743.5	692.6	638.9
35°	372.3	375.5	397.3	439.6	495.2	597.6	727.7	781.8	732.4	662.0
37.5°	343.1	346.1	367.9	410.7	472.2	581.2	738.9	824.9	779.8	695.3
40°	313.8	316.7	337.0	378.5	444.7	560.2	742.9	867.1	834.2	741.0
42.5°	286.9	289.5	308.1	346.7	413.9	533.5	737.7	903.9	882.9	772.9
45°	262.1	264.4	280.9	317.0	381.8	501.0	722.2	943.4	941.0	795.7
47.5°	233.8	236.1	253.3	288.1	349.8	462.8	695.9	982.3	1021.7	847.4
50°	199.4	201.3	219.0	254.8	316.5	422.3	659.4	1012.9	1123.5	925.6
52.5°	158.5	160.6	177.8	213.6	277.0	378.6	611.4	1032.8	1241.1	1039.9
55°	117.9	119.4	134.3	166.5	228.1	329.0	551.3	1038.4	1374.5	1196.1
57.5°	85.5	86.5	96.0	120.0	172.9	266.8	478.2	1023.8	1533.3	1396.4
60°	69.3	69.6	72.5	83.1	120.2	196.6	389.9	973.7	1705.6	1654.5
62.5°	62.9	62.9	63.7	66.6	81.3	129.8	283.1	869.7	1890.3	1980.7
65°	58.5	58.5	58.8	60.2	64.1	82.7	178.7	700.5	2046.1	2362.9
67.5°	54.5	54.7	54.5	55.0	57.3	61.1	103.6	483.8	2129.9	2758.8
70°	50.4	50.7	50.0	50.0	51.8	52.0	64.9	265.3	2060.4	3090.7
72.5°	45.6	46.0	44.8	44.5	45.9	45.3	48.8	127.3	1768.9	3189.8
75°	41.3	41.9	39.2	38.4	38.4	38.0	39.7	65.3	1148.1	2602.0
77.5°	37.5	38.7	34.3	31.9	31.3	29.9	32.4	40.0	502.2	1221.6
80°	31.0	32.7	28.3	25.4	24.3	22.8	25.5	28.0	149.4	283.7
82.5°	23.1	23.9	20.1	18.1	17.2	16.1	19.1	19.4	48.6	100.4
85°	14.7	15.0	12.3	10.6	10.2	9.7	12.2	10.6	18.5	73.8
87.5°	5.2	5.9	4.7	4.3	4.6	3.8	5.6	3.2	5.2	52.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

534.2  
534.5  
538.0  
541.7  
543.0  
544.3  
547.3  
554.0  
564.2  
575.1  
588.5  
604.4  
616.3  
629.5  
651.5  
681.3  
726.1  
753.8  
769.9  
817.6  
888.3  
993.9  
1138.5  
1323.9  
1563.2  
1858.4  
2208.2  
2591.9  
3046.8  
3305.2  
2783.2  
1196.3  
271.7  
113.5  
107.3  
64.6  
0.0

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