

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: P847744

Luminaire Tested: **GLAN-SB4A-727-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847744  
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-SB4A-727-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15816 lumens  
Efficiency: N/A  
Efficacy: 138.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

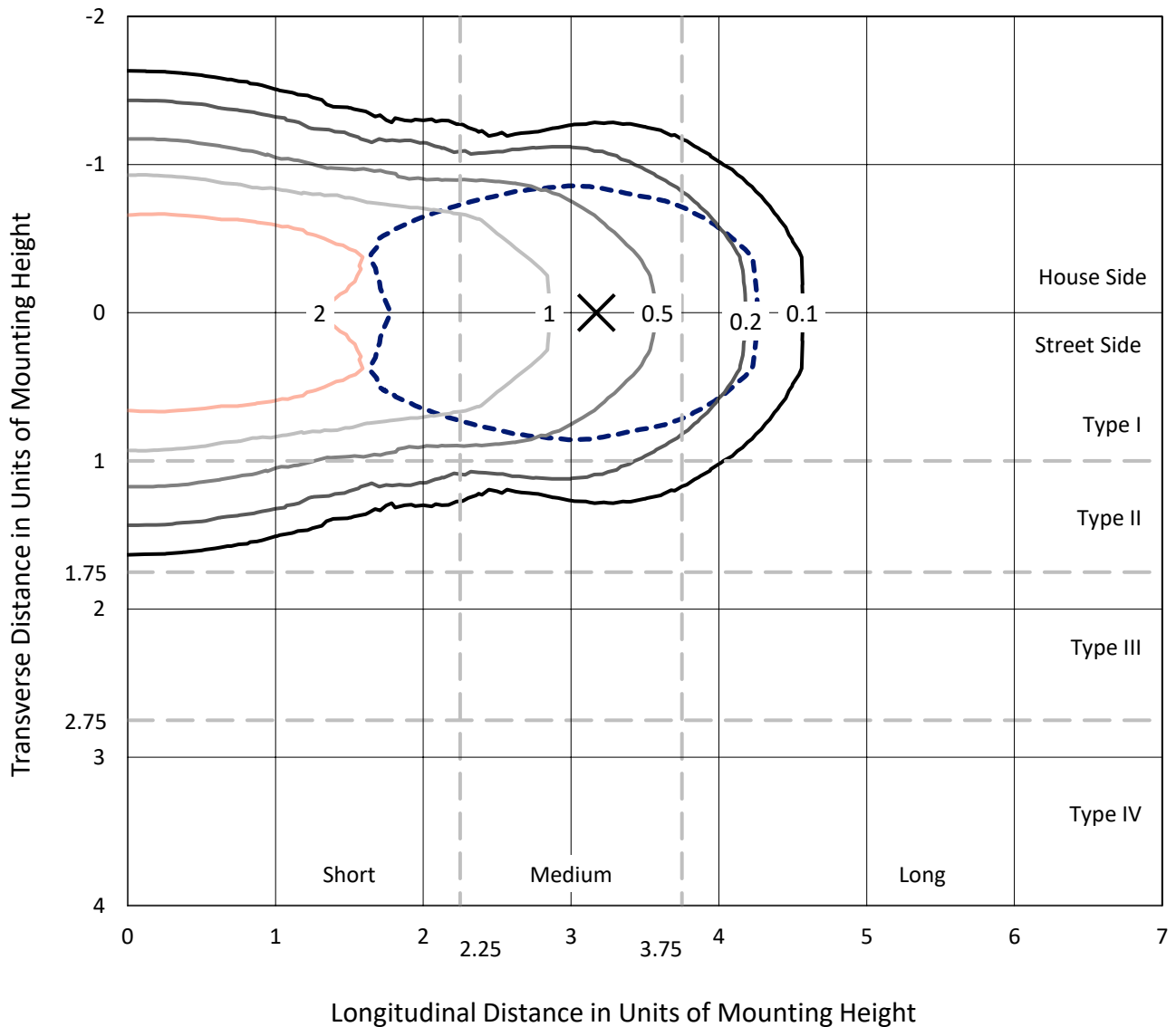
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

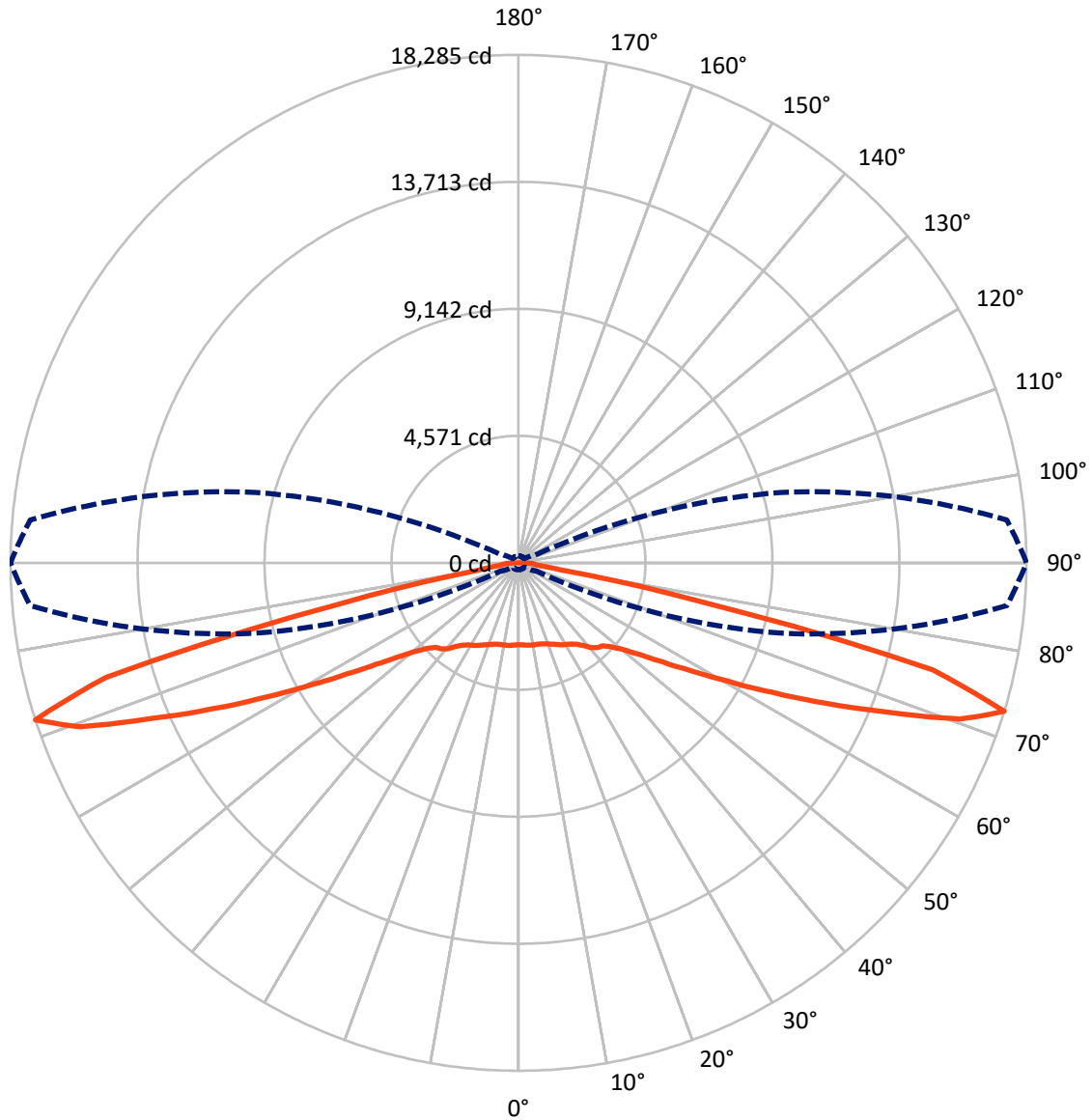
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	7908.0	0.0	7908.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7908.0	0.0	7908.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15816.0	0.0	15816.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.6	1.8
10°-20°	876.2	5.5
20°-30°	1461.0	9.2
30°-40°	2009.3	12.7
40°-50°	2453.9	15.5
50°-60°	2838.2	17.9
60°-70°	3384.1	21.4
70°-80°	2361.8	14.9
80°-90°	145.1	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°	15816.0	100.0
0°-180°	15816.0	100.0

**Coefficient of Utilization**



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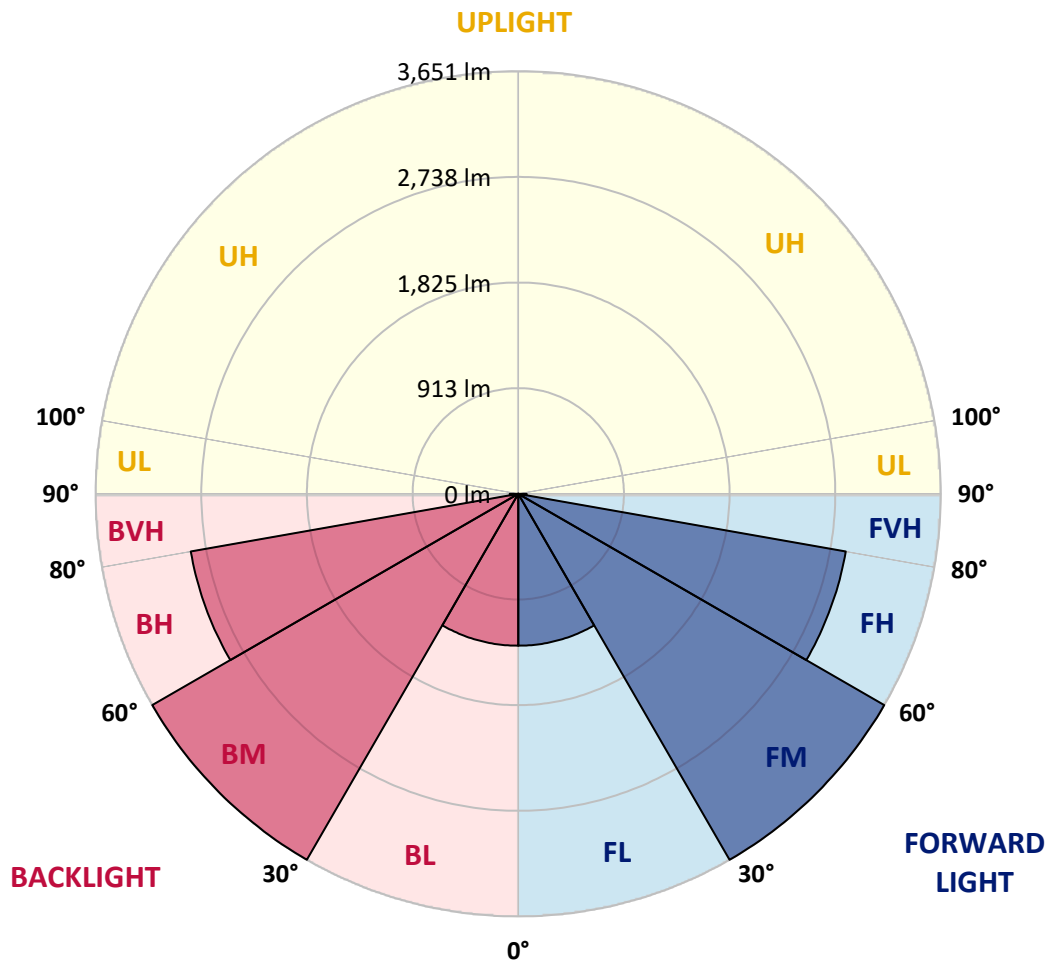
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1311.9	8.3			
FM (30°-60°)	3650.7	23.1			
FH (60°-80°)	2873.0	18.2			G2/5000
FVH (80°-90°)	72.5	0.5			G1/100
BL (0°-30°)	1311.9	8.3	B3/2500		
BM (30°-60°)	3650.7	23.1	B3/5000		
BH (60°-80°)	2873.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	72.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4	2955.4
2.5°	2957.9	2961.3	2961.3	2958.7	2964.6	2959.6	2959.6	2957.1	2959.6	2957.1
5°	2973.0	2977.2	2978.9	2978.1	2985.6	2981.4	2981.4	2978.1	2978.9	2976.4
7.5°	3001.6	3007.5	3010.9	3015.1	3026.0	3020.9	3017.6	3007.5	3003.3	2996.6
10°	3010.9	3017.6	3028.5	3050.4	3075.6	3076.4	3066.3	3041.1	3021.8	3006.7
12.5°	2982.3	2991.5	3014.2	3058.8	3115.1	3137.8	3121.8	3079.8	3042.0	3015.1
15°	2946.1	2956.2	2990.7	3057.9	3141.1	3194.1	3192.4	3136.9	3076.4	3034.4
17.5°	2889.8	2899.9	2949.5	3043.6	3161.3	3248.7	3272.3	3215.1	3130.2	3073.9
20°	2788.1	2797.4	2866.3	2998.3	3168.0	3306.7	3368.1	3317.7	3211.8	3135.3
22.5°	2656.1	2670.4	2751.1	2920.1	3152.1	3367.3	3477.4	3442.9	3306.7	3200.8
25°	2514.9	2530.1	2624.2	2824.3	3110.9	3411.0	3606.8	3585.0	3414.3	3282.4
27.5°	2393.1	2409.0	2511.6	2729.3	3047.0	3427.8	3734.6	3745.5	3544.6	3372.3
30°	2297.2	2312.4	2421.6	2652.8	2964.6	3411.0	3846.4	3922.0	3677.4	3450.5
32.5°	2192.2	2211.5	2326.7	2559.5	2867.1	3370.6	3943.9	4112.8	3831.2	3534.5
35°	2059.4	2077.0	2198.0	2431.7	2739.4	3305.9	4025.4	4324.6	4051.5	3662.3
37.5°	1898.0	1914.8	2035.0	2272.0	2612.4	3215.1	4087.6	4563.4	4313.7	3846.4
40°	1735.7	1751.7	1864.3	2093.8	2460.3	3099.1	4109.5	4797.0	4614.6	4099.4
42.5°	1587.0	1601.3	1704.6	1918.1	2289.7	2951.2	4080.9	5000.5	4884.5	4275.9
45°	1450.0	1462.6	1554.2	1753.4	2112.3	2771.3	3995.2	5219.0	5205.5	4402.0
47.5°	1293.6	1306.2	1401.2	1593.7	1935.0	2560.3	3849.7	5434.2	5651.9	4687.8
50°	1102.8	1113.7	1211.2	1409.6	1750.9	2335.9	3648.0	5603.1	6215.1	5120.7
52.5°	876.7	888.5	983.4	1181.8	1532.3	2094.7	3382.4	5713.2	6865.6	5752.7
55°	652.3	660.7	743.0	921.2	1261.7	1819.8	3049.5	5744.3	7603.6	6616.8
57.5°	473.2	478.3	531.2	664.0	956.6	1476.0	2645.2	5663.7	8482.0	7724.7
60°	383.3	385.0	400.9	459.8	664.9	1087.7	2156.9	5386.3	9435.2	9152.8
62.5°	348.0	348.0	352.2	368.2	449.7	717.8	1566.0	4811.3	10457.3	10957.5
65°	323.6	323.6	325.3	332.9	354.7	457.3	988.5	3875.0	11318.9	13071.4
67.5°	301.8	302.6	301.8	304.3	316.9	337.9	573.3	2676.3	11782.9	15261.9
70°	279.1	280.7	276.5	276.5	286.6	287.5	358.9	1467.6	11397.9	17097.7
72.5°	252.2	254.7	248.0	246.3	253.8	250.5	269.8	704.4	9785.7	17645.7
75°	228.6	232.0	216.9	212.7	212.7	210.1	219.4	361.4	6351.2	14394.5
77.5°	207.6	214.3	190.0	176.5	173.2	165.6	179.0	221.1	2778.0	6758.1
80°	171.5	180.7	156.3	140.4	134.5	126.1	141.2	154.7	826.3	1569.3
82.5°	127.8	132.0	111.0	100.0	95.0	89.1	105.9	107.6	269.0	555.6
85°	81.5	83.2	68.1	58.8	56.3	53.8	67.2	58.8	102.5	408.5
87.5°	28.6	32.8	26.1	23.5	25.2	21.0	31.1	17.7	28.6	288.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2955.4  
2957.1  
2976.4  
2996.6  
3004.1  
3010.9  
3027.7  
3064.7  
3121.0  
3181.5  
3255.5  
3343.7  
3409.3  
3482.4  
3604.3  
3769.0  
4017.0  
4170.0  
4259.1  
4523.0  
4913.9  
5498.1  
6298.3  
7323.7  
8647.6  
10280.8  
12215.8  
14338.2  
16854.8  
18284.6  
15396.4  
6617.7  
1502.9  
627.9  
593.4  
357.2  
0.0

OF REPORT)