

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: P849844

Luminaire Tested: **GLAN-SB7A-827-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849844  
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-SB7A-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25162 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

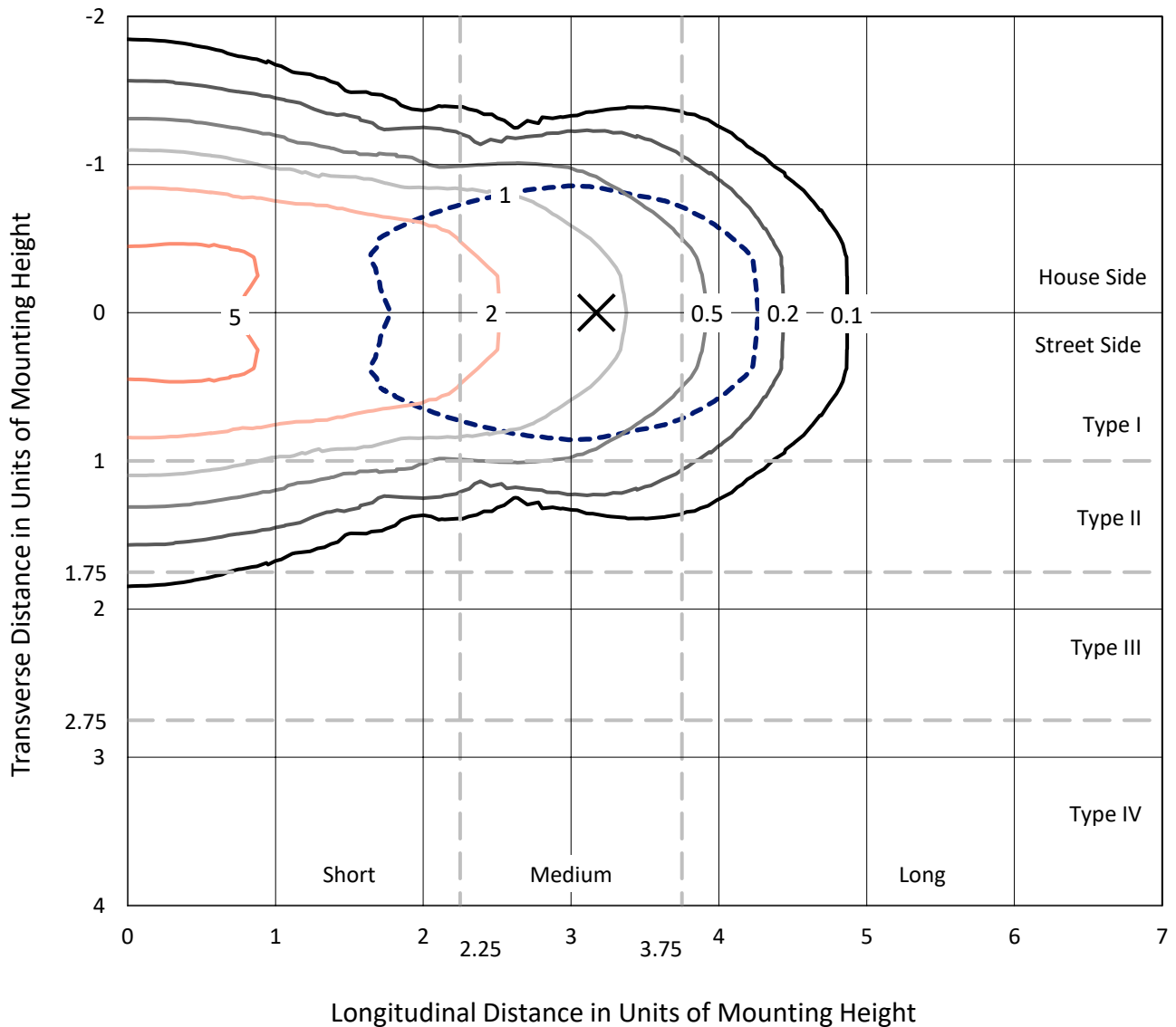
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

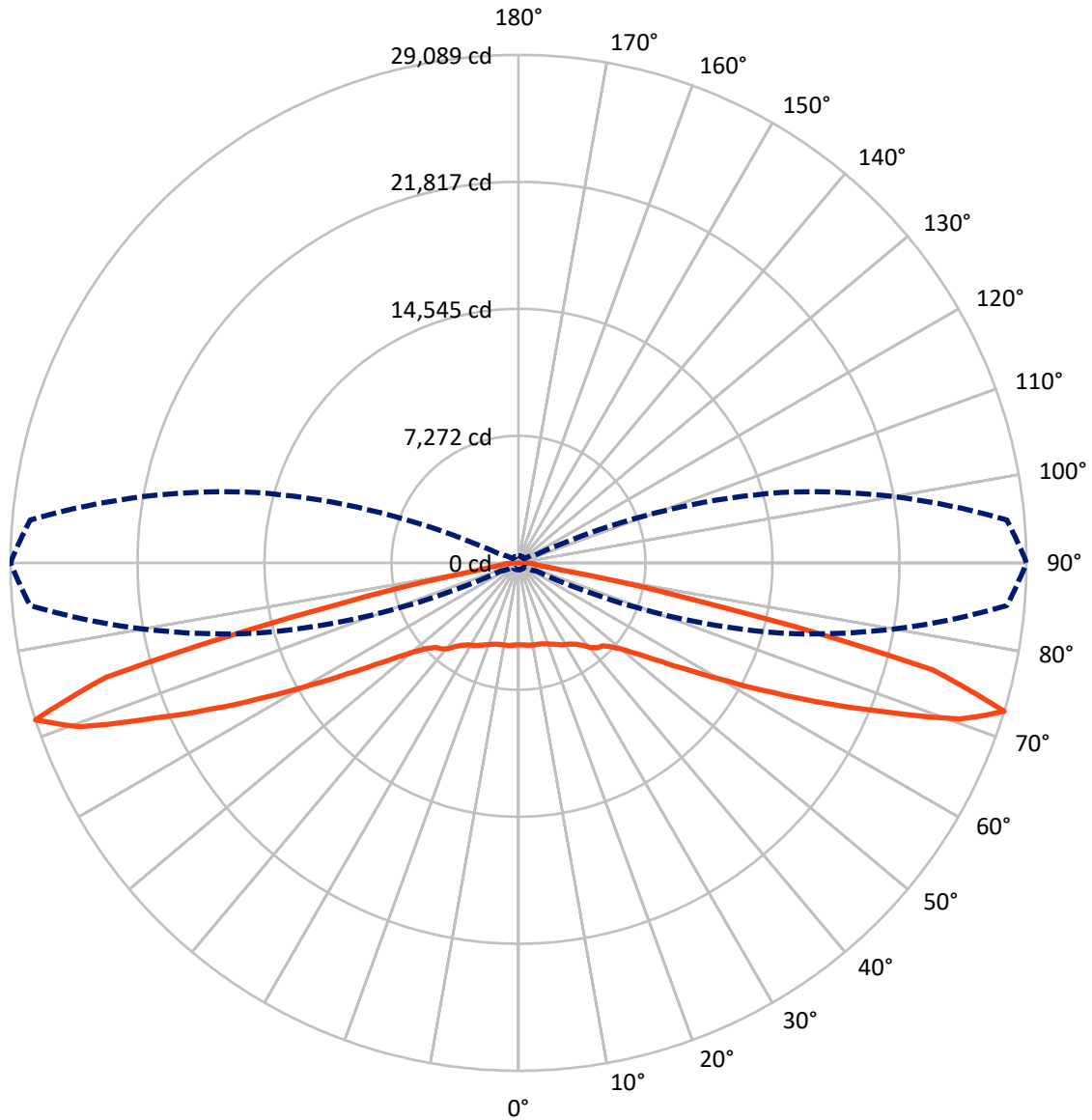
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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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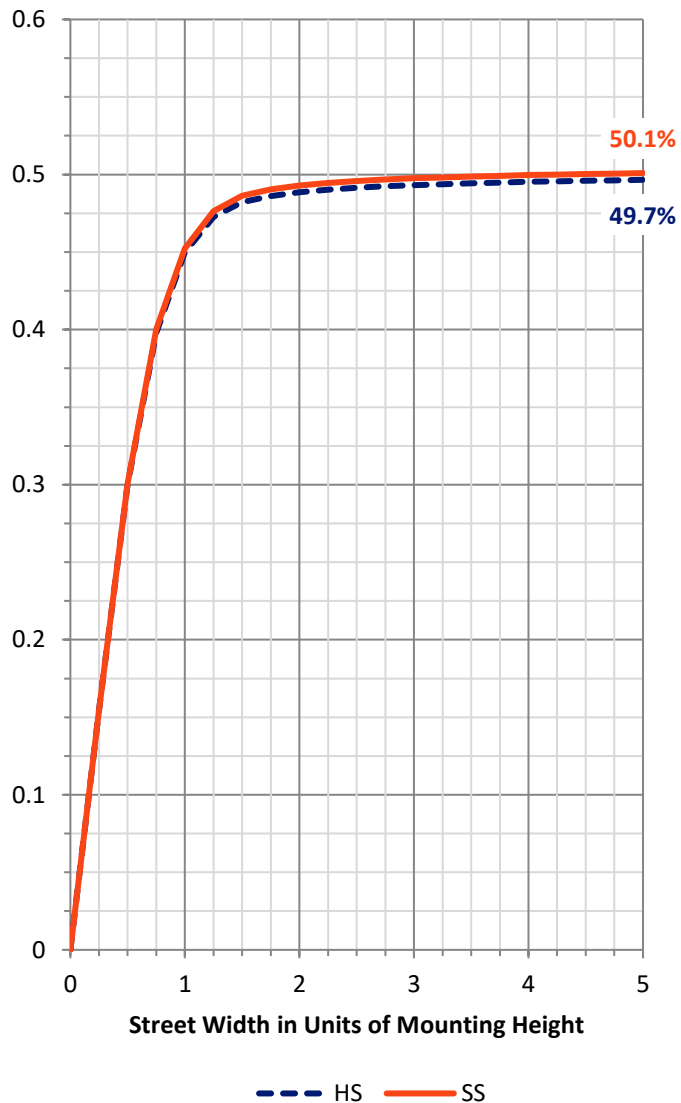
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12581.0	0.0	12581.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12581.0	0.0	12581.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25162.0	0.0	25162.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	455.9	1.8
10°-20°	1393.9	5.5
20°-30°	2324.3	9.2
30°-40°	3196.6	12.7
40°-50°	3903.9	15.5
50°-60°	4515.3	17.9
60°-70°	5383.8	21.4
70°-80°	3757.5	14.9
80°-90°	230.8	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°	25162.0	100.0
0°-180°	25162.0	100.0

**Coefficient of Utilization**



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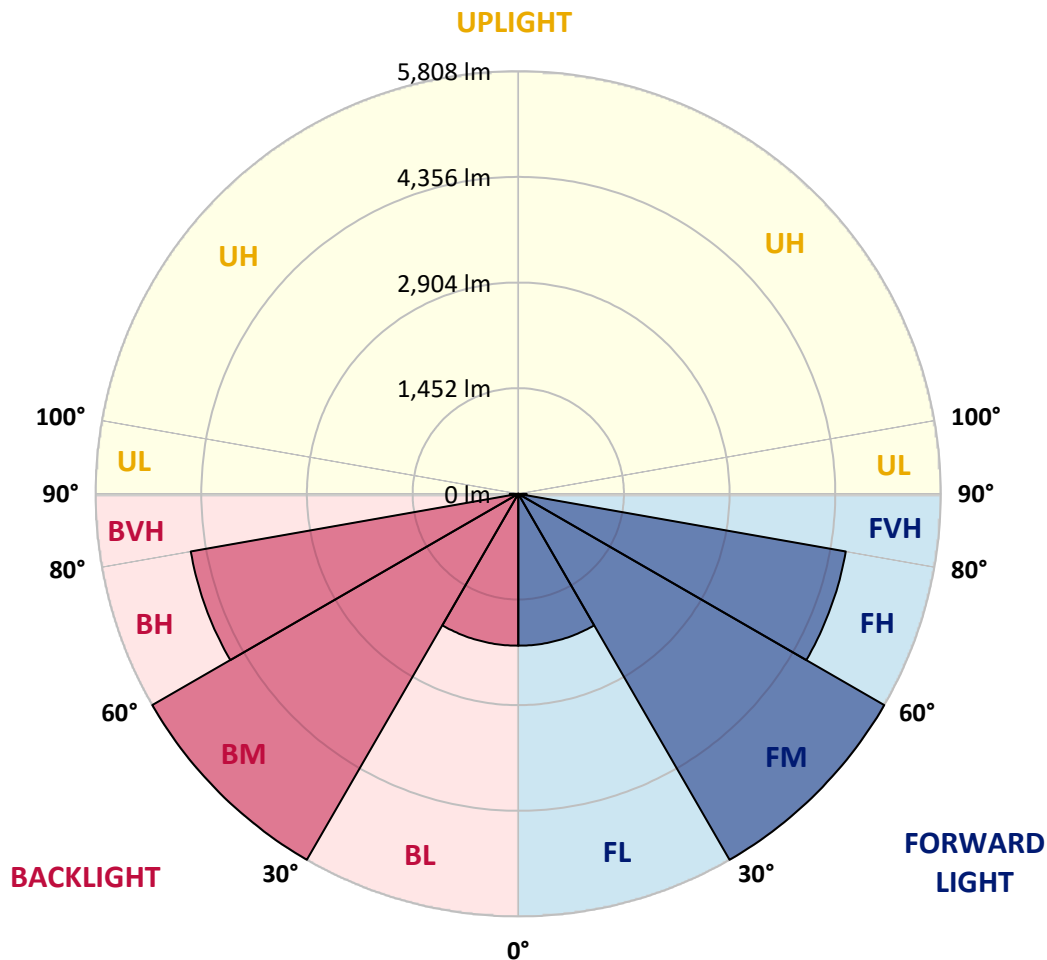
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2087.1	8.3			
FM (30°-60°)	5807.9	23.1			
FH (60°-80°)	4570.6	18.2			G2/5000
FVH (80°-90°)	115.4	0.5			G2/225
BL (0°-30°)	2087.1	8.3	B3/2500		
BM (30°-60°)	5807.9	23.1	B4/8500		
BH (60°-80°)	4570.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	115.4	0.5			G2/225
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°	4701.8	4701.8	4701.8	4701.8	4701.8	4701.8	4701.8	4701.8	4701.8	4701.8
2.5°	4705.8	4711.1	4711.1	4707.1	4716.5	4708.5	4708.5	4704.5	4708.5	4704.5
5°	4729.9	4736.6	4739.2	4737.9	4749.9	4743.2	4743.2	4737.9	4739.2	4735.2
7.5°	4775.3	4784.7	4790.0	4796.7	4814.1	4806.1	4800.7	4784.7	4778.0	4767.3
10°	4790.0	4800.7	4818.1	4852.9	4893.0	4894.3	4878.3	4838.2	4807.4	4783.4
12.5°	4744.6	4759.3	4795.4	4866.3	4955.9	4992.0	4966.6	4899.7	4839.5	4796.7
15°	4687.1	4703.1	4757.9	4864.9	4997.3	5081.6	5078.9	4990.6	4894.3	4827.5
17.5°	4597.5	4613.5	4692.4	4842.2	5029.4	5168.5	5205.9	5115.0	4979.9	4890.3
20°	4435.7	4450.4	4560.0	4770.0	5040.1	5260.8	5358.4	5278.1	5109.6	4988.0
22.5°	4225.7	4248.5	4376.8	4645.6	5014.7	5357.0	5532.2	5477.4	5260.8	5092.3
25°	4001.1	4025.1	4174.9	4493.2	4949.2	5426.6	5738.2	5703.4	5431.9	5222.0
27.5°	3807.2	3832.6	3995.7	4342.1	4847.5	5453.3	5941.4	5958.8	5639.2	5365.1
30°	3654.7	3678.8	3852.6	4220.4	4716.5	5426.6	6119.3	6239.6	5850.5	5489.4
32.5°	3487.6	3518.3	3701.5	4071.9	4561.4	5362.4	6274.4	6543.2	6095.2	5623.2
35°	3276.3	3304.4	3496.9	3868.7	4358.1	5259.4	6404.1	6880.2	6445.6	5826.4
37.5°	3019.5	3046.3	3237.5	3614.6	4156.2	5115.0	6503.1	7260.0	6862.8	6119.3
40°	2761.4	2786.8	2966.0	3331.1	3914.1	4930.5	6537.8	7631.7	7341.5	6521.8
42.5°	2524.7	2547.5	2712.0	3051.6	3642.7	4695.1	6492.4	7955.3	7770.8	6802.6
45°	2306.8	2326.8	2472.6	2789.5	3360.5	4408.9	6356.0	8303.0	8281.6	7003.2
47.5°	2058.0	2078.1	2229.2	2535.4	3078.4	4073.3	6124.6	8645.3	8991.7	7457.9
50°	1754.5	1771.9	1927.0	2242.6	2785.5	3716.2	5803.7	8914.1	9887.7	8146.6
52.5°	1394.8	1413.5	1564.6	1880.2	2437.8	3332.4	5381.1	9089.3	10922.7	9152.2
55°	1037.7	1051.1	1182.1	1465.6	2007.2	2895.2	4851.6	9138.8	12096.8	10526.9
57.5°	752.9	760.9	845.1	1056.4	1521.8	2348.2	4208.3	9010.4	13494.2	12289.4
60°	609.8	612.5	637.9	731.5	1057.8	1730.4	3431.4	8569.1	15010.7	14561.4
62.5°	553.6	553.6	560.3	585.7	715.4	1142.0	2491.3	7654.4	16636.8	17432.4
65°	514.8	514.8	517.5	529.6	564.3	727.5	1572.6	6164.7	18007.5	20795.6
67.5°	480.1	481.4	480.1	484.1	504.1	537.6	912.0	4257.8	18745.6	24280.5
70°	444.0	446.6	440.0	440.0	456.0	457.3	571.0	2334.8	18133.2	27201.1
72.5°	401.2	405.2	394.5	391.8	403.9	398.5	429.3	1120.6	15568.3	28073.0
75°	363.7	369.1	345.0	338.3	338.3	334.3	349.0	575.0	10104.3	22900.5
77.5°	330.3	341.0	302.2	280.8	275.5	263.4	284.8	351.7	4419.6	10751.5
80°	272.8	287.5	248.7	223.3	214.0	200.6	224.7	246.1	1314.5	2496.7
82.5°	203.3	209.9	176.5	159.1	151.1	141.7	168.5	171.2	427.9	883.9
85°	129.7	132.4	108.3	93.6	89.6	85.6	107.0	93.6	163.1	649.9
87.5°	45.5	52.2	41.5	37.4	40.1	33.4	49.5	28.1	45.5	458.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4701.8  
4704.5  
4735.2  
4767.3  
4779.3  
4790.0  
4816.8  
4875.6  
4965.2  
5061.5  
5179.2  
5319.6  
5423.9  
5540.2  
5734.1  
5996.2  
6390.7  
6634.1  
6775.9  
7195.8  
7817.6  
8747.0  
10020.0  
11651.5  
13757.7  
16356.0  
19434.3  
22810.9  
26814.6  
29089.3  
24494.5  
10528.2  
2391.0  
998.9  
944.1  
568.3  
0.0

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