

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: P849854

Luminaire Tested: **GLAN-SB7A-830-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849854  
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-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27098 lumens  
Efficiency: N/A  
Efficacy: 136.1 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

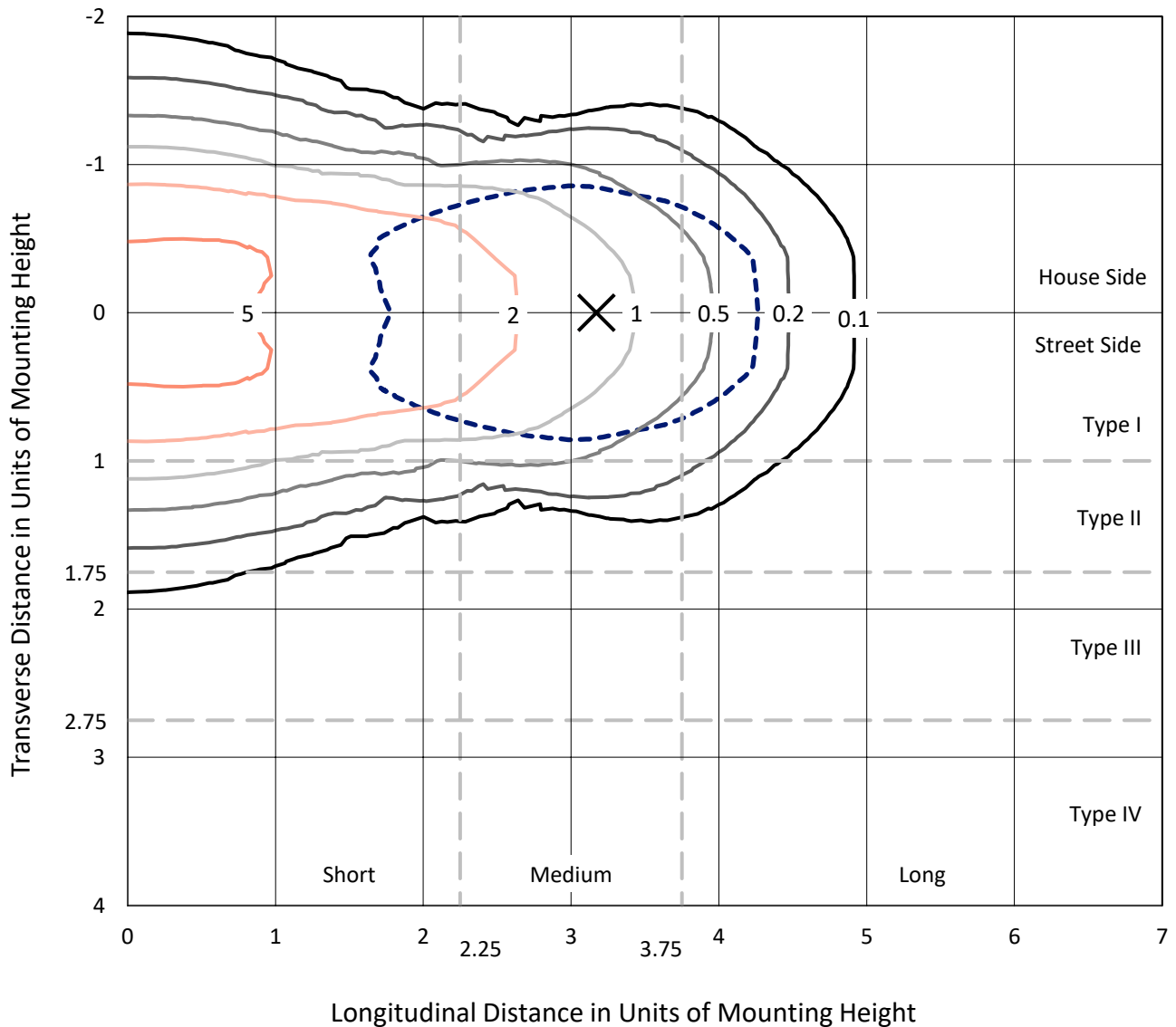
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

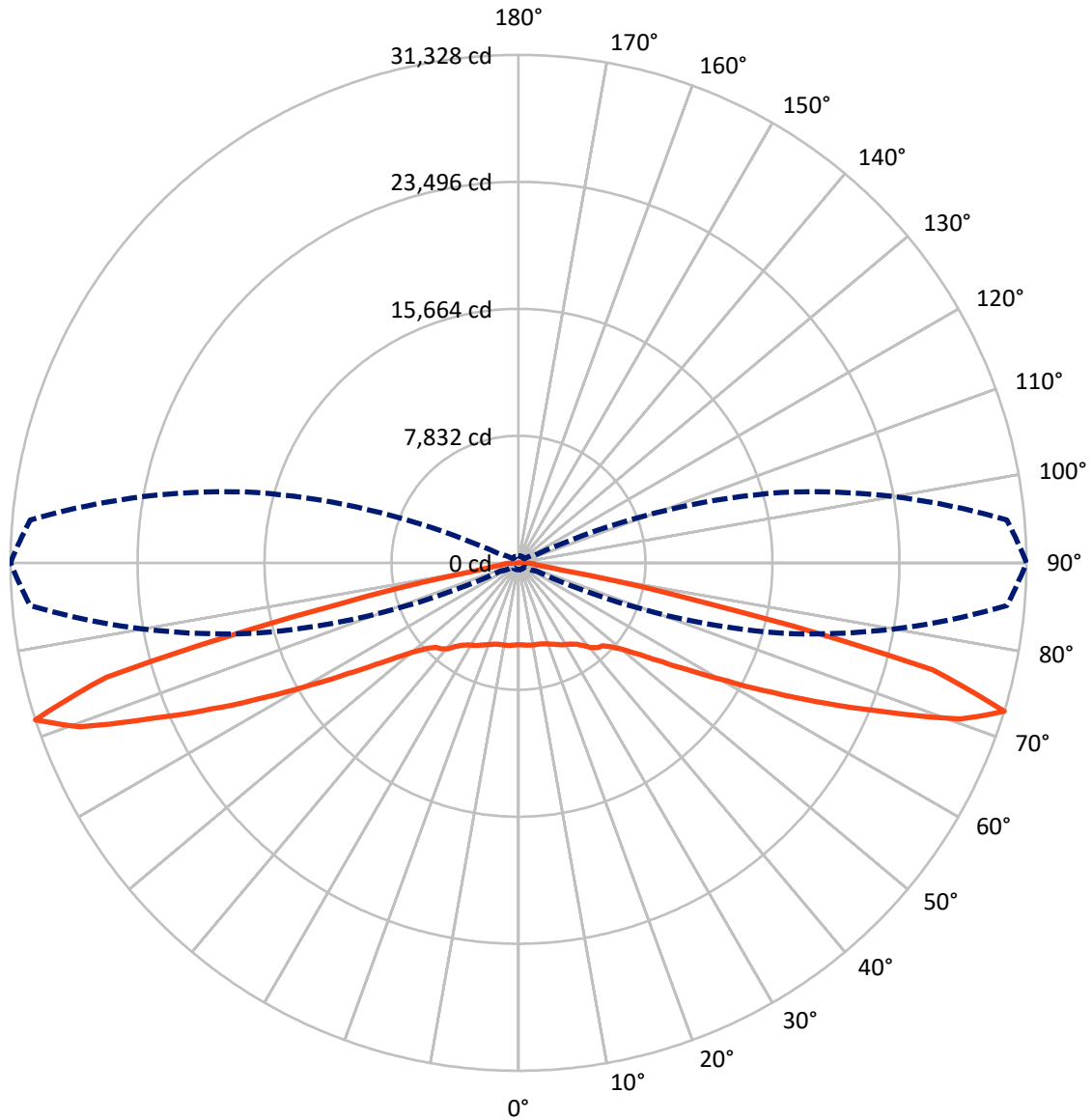
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	13549.0	0.0	13549.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13549.0	0.0	13549.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27098.0	0.0	27098.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	491.0	1.8
10°-20°	1501.2	5.5
20°-30°	2503.1	9.2
30°-40°	3442.6	12.7
40°-50°	4204.3	15.5
50°-60°	4862.7	17.9
60°-70°	5798.0	21.4
70°-80°	4046.6	14.9
80°-90°	248.5	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°	27098.0	100.0
0°-180°	27098.0	100.0

**Coefficient of Utilization**

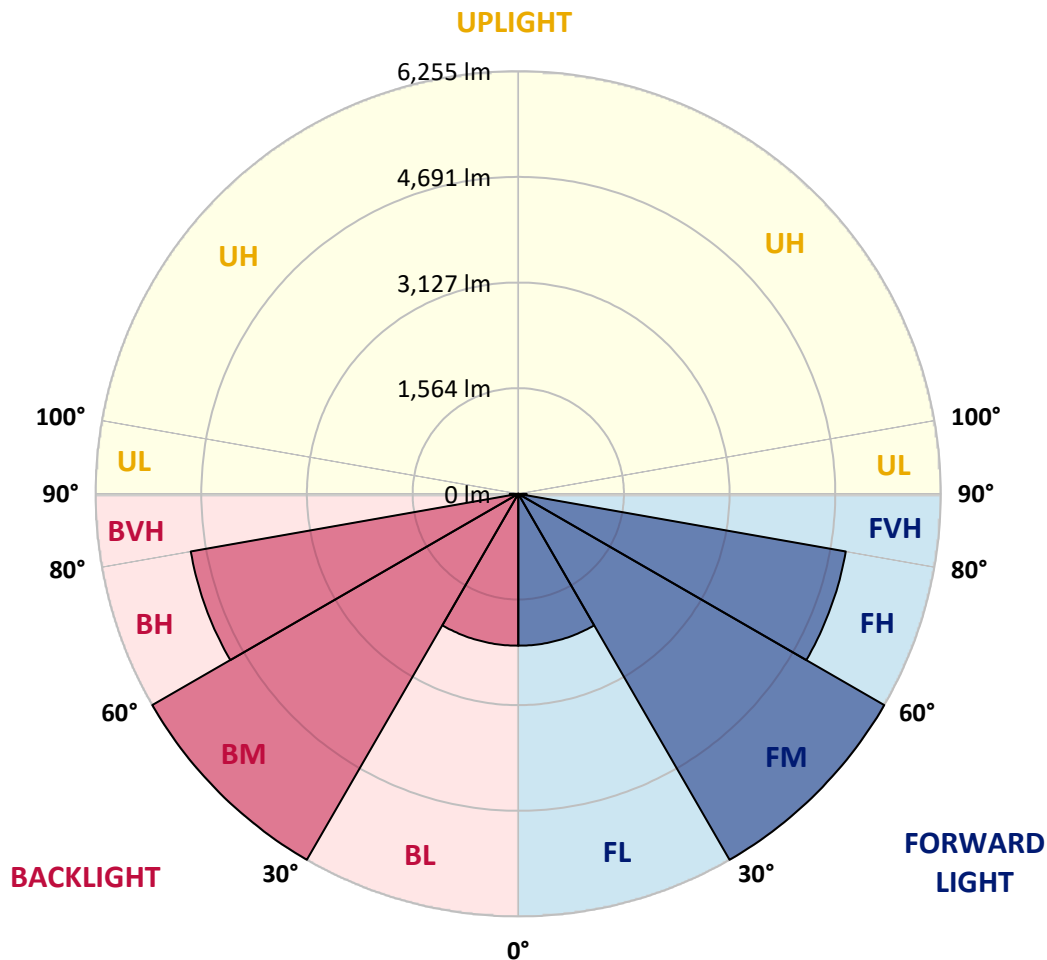


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2247.6	8.3			
FM (30°-60°)	6254.8	23.1			
FH (60°-80°)	4922.3	18.2			G2/5000
FVH (80°-90°)	124.3	0.5			G2/225
BL (0°-30°)	2247.6	8.3	B3/2500		
BM (30°-60°)	6254.8	23.1	B4/8500		
BH (60°-80°)	4922.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	124.3	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°	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5
2.5°	5067.9	5073.6	5073.6	5069.3	5079.4	5070.7	5070.7	5066.4	5070.7	5066.4
5°	5093.8	5101.0	5103.9	5102.4	5115.4	5108.2	5108.2	5102.4	5103.9	5099.6
7.5°	5142.8	5152.8	5158.6	5165.8	5184.5	5175.9	5170.1	5152.8	5145.6	5134.1
10°	5158.6	5170.1	5188.8	5226.3	5269.5	5270.9	5253.6	5210.4	5177.3	5151.4
12.5°	5109.6	5125.5	5164.4	5240.7	5337.2	5376.1	5348.7	5276.7	5211.9	5165.8
15°	5047.7	5065.0	5124.0	5239.2	5381.8	5472.5	5469.7	5374.6	5270.9	5198.9
17.5°	4951.2	4968.5	5053.5	5214.8	5416.4	5566.2	5606.5	5508.6	5363.1	5266.6
20°	4777.0	4792.8	4910.9	5137.0	5427.9	5665.5	5770.7	5684.2	5502.8	5371.7
22.5°	4550.9	4575.3	4713.6	5003.1	5400.5	5769.2	5957.9	5898.8	5665.5	5484.1
25°	4308.9	4334.8	4496.1	4838.9	5330.0	5844.1	6179.7	6142.2	5849.9	5623.8
27.5°	4100.1	4127.5	4303.2	4676.1	5220.5	5872.9	6398.6	6417.3	6073.1	5777.9
30°	3935.9	3961.8	4149.1	4545.1	5079.4	5844.1	6590.1	6719.7	6300.6	5911.8
32.5°	3755.9	3789.0	3986.3	4385.2	4912.3	5775.0	6757.2	7046.6	6564.2	6055.8
35°	3528.4	3558.6	3766.0	4166.3	4693.4	5664.1	6896.9	7409.5	6941.5	6274.7
37.5°	3251.8	3280.6	3486.6	3892.7	4476.0	5508.6	7003.4	7818.5	7390.8	6590.1
40°	2973.9	3001.3	3194.2	3587.4	4215.3	5309.8	7040.9	8218.9	7906.4	7023.6
42.5°	2719.0	2743.5	2920.6	3286.4	3923.0	5056.3	6991.9	8567.4	8368.7	7326.0
45°	2484.2	2505.9	2662.8	3004.1	3619.1	4748.2	6845.0	8941.9	8918.8	7542.0
47.5°	2216.4	2238.0	2400.7	2730.5	3315.2	4386.7	6595.9	9310.5	9683.5	8031.7
50°	1889.5	1908.2	2075.2	2415.1	2999.8	4002.2	6250.2	9600.0	10648.4	8773.4
52.5°	1502.1	1522.2	1685.0	2024.8	2625.4	3588.8	5795.1	9788.7	11763.1	9856.3
55°	1117.6	1132.0	1273.1	1578.4	2161.7	3117.9	5224.8	9841.9	13027.5	11336.8
57.5°	810.8	819.4	910.2	1137.7	1638.9	2528.9	4532.1	9703.7	14532.5	13234.9
60°	656.7	659.6	686.9	787.8	1139.2	1863.5	3695.4	9228.4	16165.6	15681.7
62.5°	596.2	596.2	603.4	630.8	770.5	1229.9	2683.0	8243.4	17916.8	18773.7
65°	554.5	554.5	557.3	570.3	607.7	783.4	1693.6	6639.1	19393.0	22395.7
67.5°	517.0	518.5	517.0	521.3	542.9	578.9	982.2	4585.4	20187.9	26148.7
70°	478.1	481.0	473.8	473.8	491.1	492.5	614.9	2514.5	19528.4	29294.0
72.5°	432.0	436.4	424.8	422.0	434.9	429.2	462.3	1206.8	16766.2	30232.9
75°	391.7	397.5	371.6	364.4	364.4	360.0	375.9	619.3	10881.7	24662.5
77.5°	355.7	367.2	325.5	302.4	296.7	283.7	306.8	378.8	4759.7	11578.8
80°	293.8	309.6	267.9	240.5	230.4	216.0	241.9	265.0	1415.7	2688.7
82.5°	218.9	226.1	190.1	171.4	162.7	152.7	181.5	184.3	460.8	951.9
85°	139.7	142.6	116.7	100.8	96.5	92.2	115.2	100.8	175.7	699.9
87.5°	49.0	56.2	44.6	40.3	43.2	36.0	53.3	30.2	49.0	494.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5063.5  
5066.4  
5099.6  
5134.1  
5147.1  
5158.6  
5187.4  
5250.8  
5347.3  
5450.9  
5577.7  
5728.9  
5841.2  
5966.5  
6175.3  
6457.6  
6882.4  
7144.6  
7297.2  
7749.4  
8419.1  
9420.0  
10791.0  
12548.0  
14816.2  
17614.4  
20929.6  
24566.0  
28877.8  
31327.5  
26379.1  
11338.3  
2575.0  
1075.8  
1016.7  
612.1  
0.0

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