

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: P849861

Luminaire Tested: **GLAN-SB7A-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849861  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7A-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26717 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

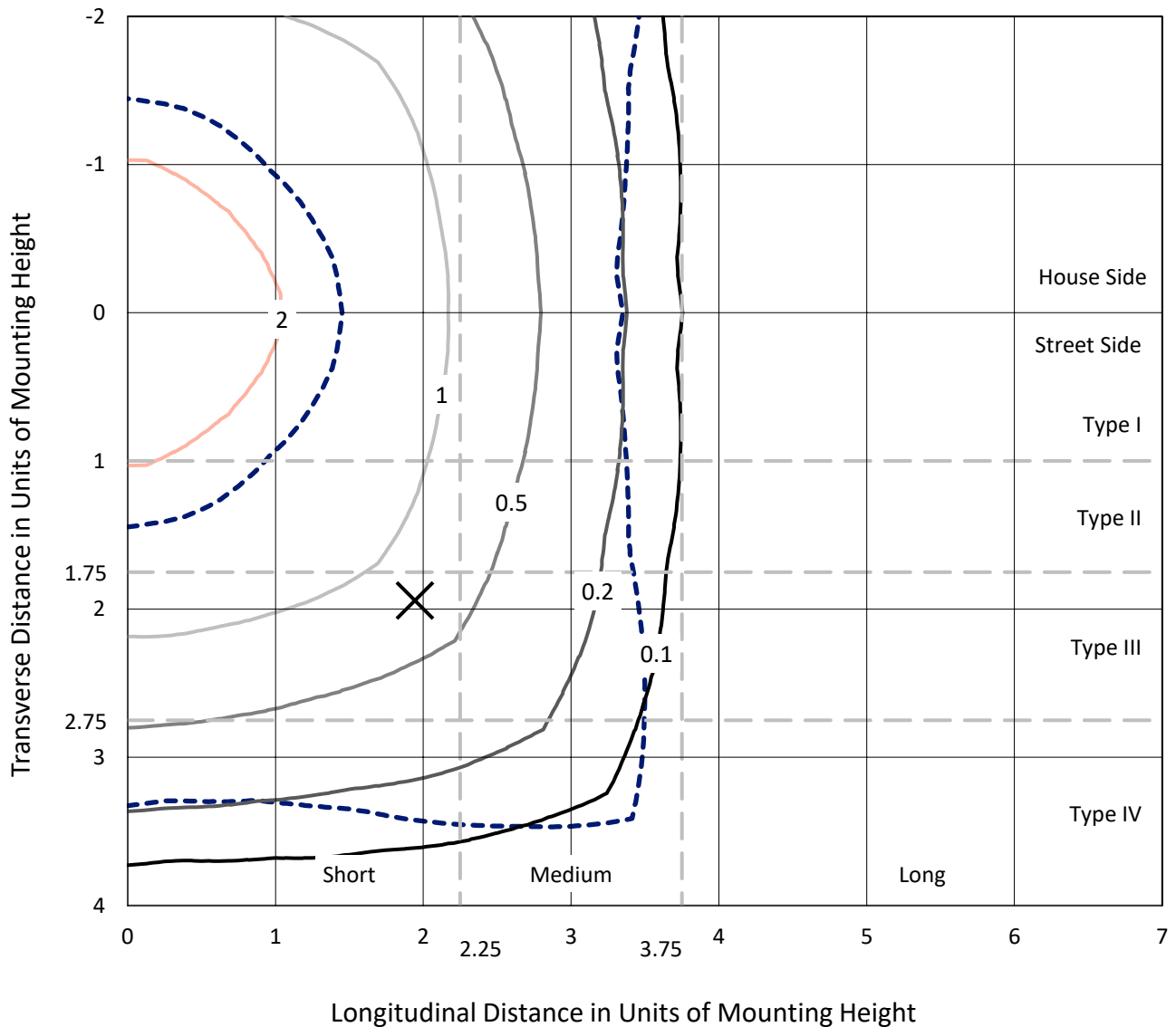
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

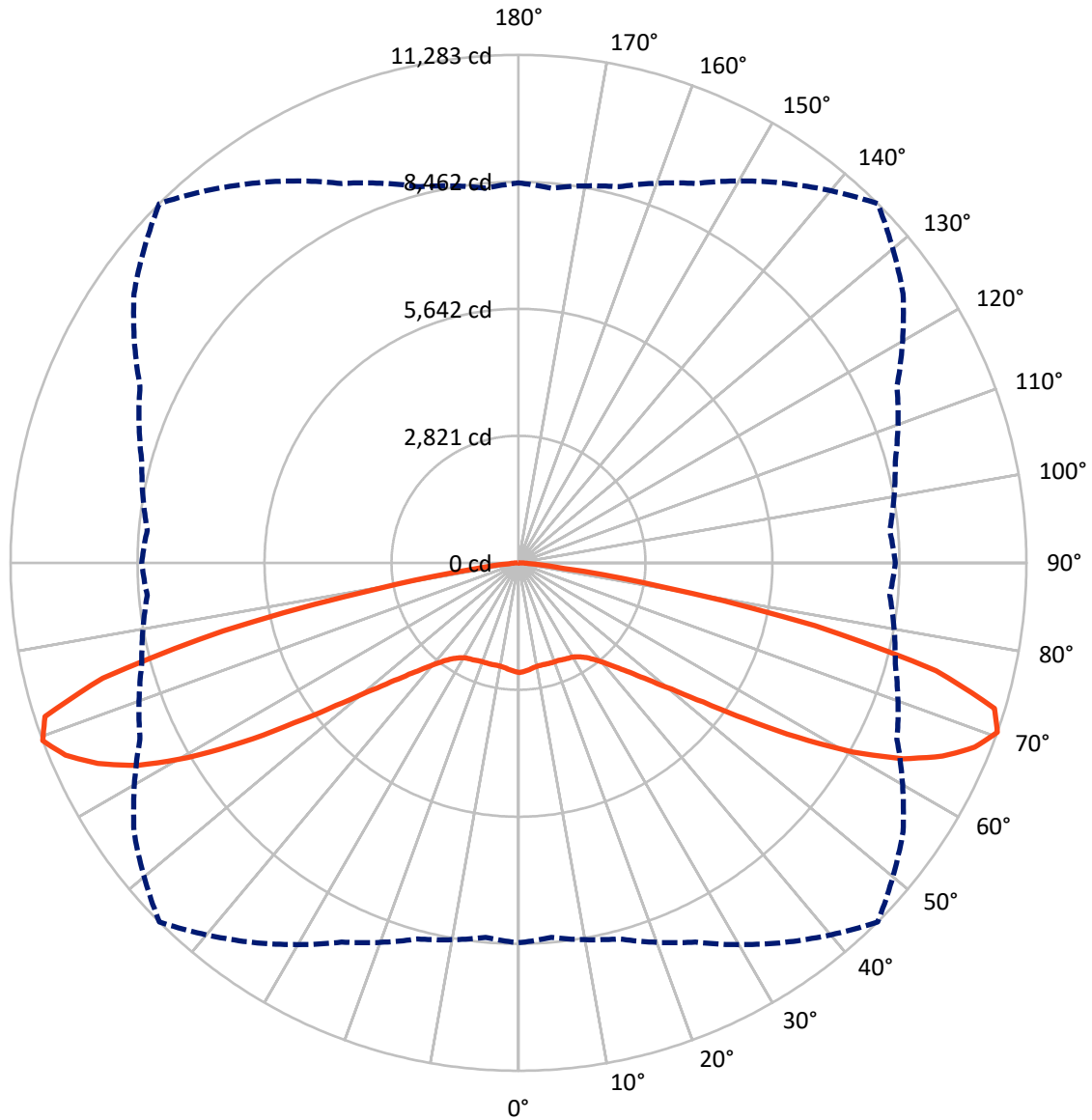
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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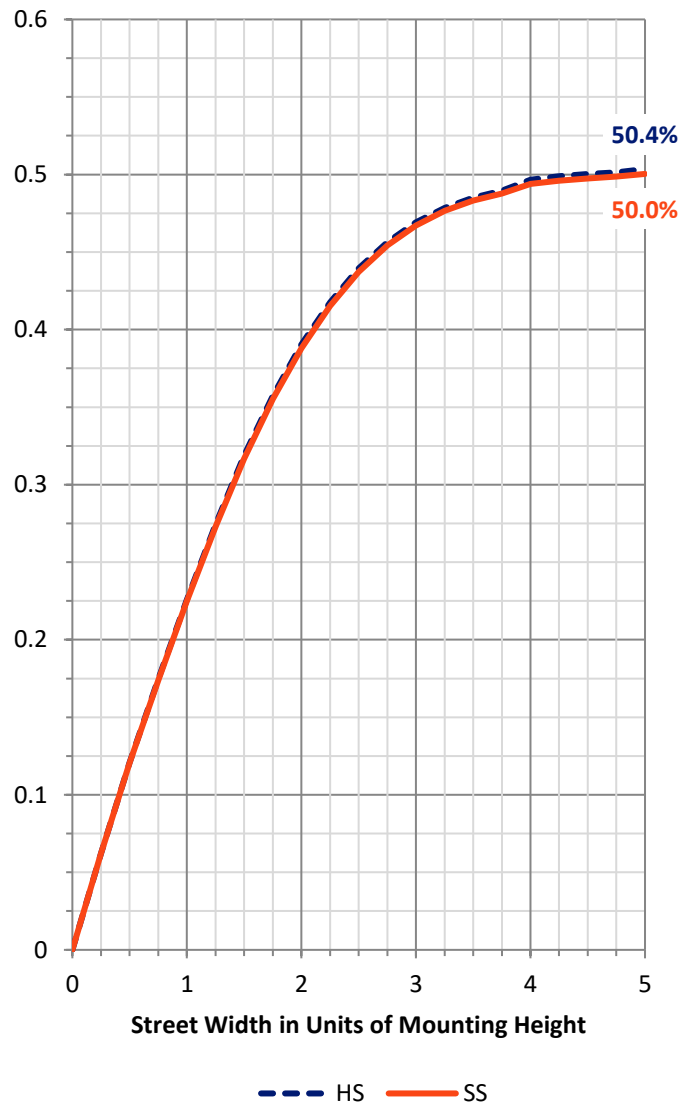
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13358.5	0.0	13358.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13358.5	0.0	13358.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26717.0	0.0	26717.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.7	0.8
10°-20°	665.7	2.5
20°-30°	1107.8	4.1
30°-40°	1675.3	6.3
40°-50°	2784.0	10.4
50°-60°	5253.2	19.7
60°-70°	8870.3	33.2
70°-80°	5828.7	21.8
80°-90°	305.4	1.1
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°	26717.0	100.0
0°-180°	26717.0	100.0

**Coefficient of Utilization**



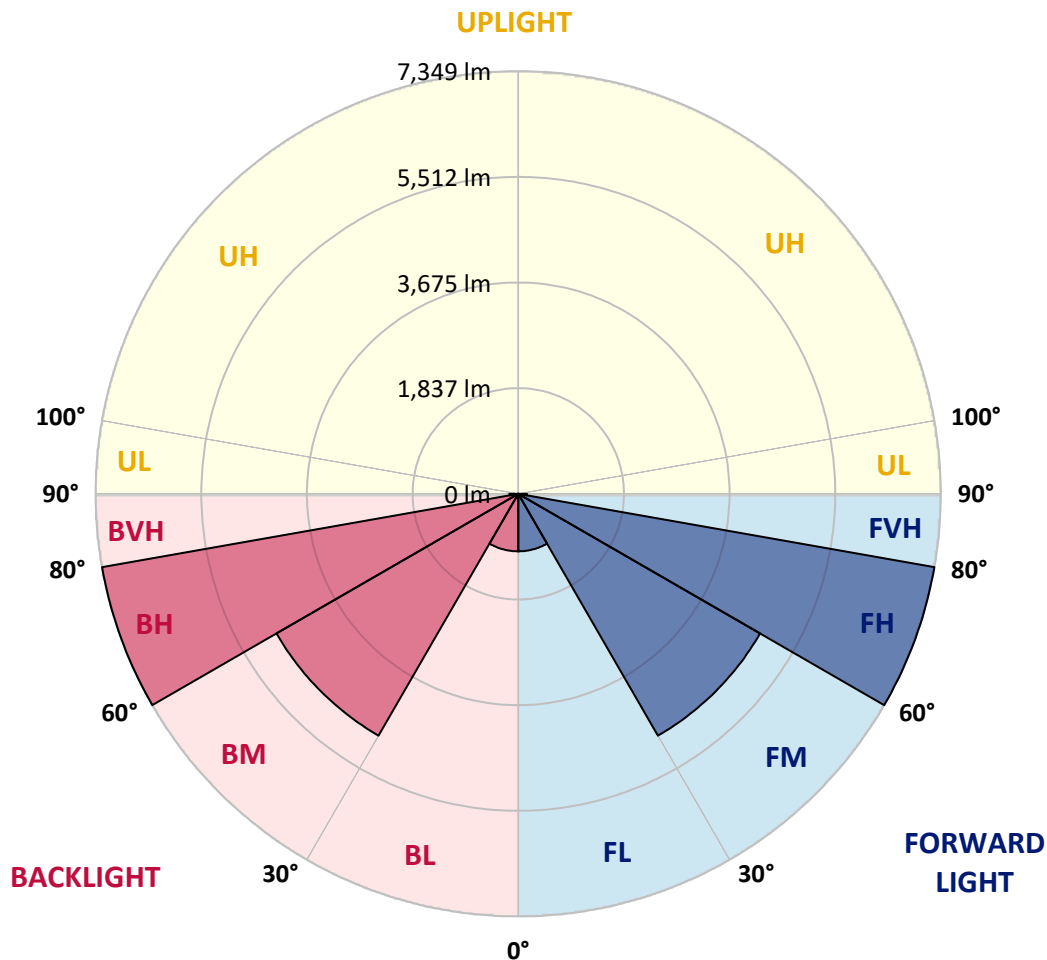
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1000.1	3.7			
FM (30°-60°)	4856.2	18.2			
FH (60°-80°)	7349.5	27.5			G3/7500
FVH (80°-90°)	152.7	0.6			G2/225
BL (0°-30°)	1000.1	3.7	B3/2500		
BM (30°-60°)	4856.2	18.2	B3/5000		
BH (60°-80°)	7349.5	27.5	B5		G3/7500
BVH (80°-90°)	152.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2437.1	2437.1	2437.1	2437.1	2437.1	2437.1	2437.1	2437.1	2437.1	2437.1
2.5°	2421.9	2428.8	2426.0	2420.5	2420.5	2416.3	2420.5	2423.2	2427.4	2430.2
5°	2389.9	2395.5	2394.1	2389.9	2391.3	2387.1	2389.9	2394.1	2396.9	2398.2
7.5°	2362.1	2367.7	2364.9	2358.0	2358.0	2353.8	2355.2	2359.4	2363.5	2364.9
10°	2355.2	2360.8	2352.4	2341.3	2337.1	2331.6	2333.0	2337.1	2345.5	2349.6
12.5°	2358.0	2362.1	2353.8	2337.1	2333.0	2327.4	2327.4	2331.6	2342.7	2348.3
15°	2366.3	2370.5	2358.0	2339.9	2335.8	2331.6	2330.2	2335.8	2348.3	2358.0
17.5°	2381.6	2385.7	2366.3	2341.3	2335.8	2337.1	2335.8	2339.9	2359.4	2377.4
20°	2395.5	2398.2	2371.9	2341.3	2335.8	2337.1	2335.8	2344.1	2369.1	2394.1
22.5°	2399.6	2402.4	2377.4	2351.0	2346.9	2348.3	2346.9	2355.2	2378.8	2403.8
25°	2401.0	2405.2	2385.7	2364.9	2371.9	2374.6	2371.9	2373.2	2391.3	2413.5
27.5°	2421.9	2427.4	2409.4	2391.3	2395.5	2394.1	2398.2	2402.4	2416.3	2438.5
30°	2464.9	2469.1	2453.8	2435.7	2433.0	2423.2	2435.7	2449.6	2464.9	2484.3
32.5°	2535.7	2544.1	2524.6	2505.2	2492.7	2487.1	2496.8	2520.4	2541.3	2562.1
35°	2653.8	2659.3	2641.3	2605.2	2582.9	2582.9	2591.3	2621.8	2655.2	2681.5
37.5°	2820.4	2827.3	2795.4	2752.4	2719.0	2719.0	2730.1	2762.1	2812.1	2849.6
40°	3023.2	3032.9	2992.6	2948.2	2916.2	2910.7	2924.6	2960.7	3007.9	3055.1
42.5°	3267.6	3278.7	3225.9	3187.0	3162.0	3162.0	3169.0	3202.3	3245.3	3303.7
45°	3580.0	3599.5	3527.2	3488.4	3464.7	3470.3	3474.5	3503.6	3542.5	3609.2
47.5°	3952.2	3971.6	3895.2	3855.0	3850.8	3877.2	3860.5	3881.4	3902.2	3978.6
50°	4374.3	4407.7	4354.9	4352.1	4360.4	4409.0	4370.2	4381.3	4357.7	4406.3
52.5°	4890.9	4939.5	4929.8	4946.5	5039.5	5139.5	5050.6	5011.7	4922.9	4938.1
55°	5517.2	5590.8	5604.7	5704.7	5915.8	6119.9	5931.0	5774.1	5585.3	5550.5
57.5°	6229.6	6287.9	6354.6	6558.7	6953.1	7315.6	6953.1	6605.9	6308.8	6237.9
60°	6996.2	7068.4	7132.2	7433.6	8019.6	8529.3	8008.5	7457.2	7064.2	6968.4
62.5°	7819.6	7912.7	7957.1	8291.8	8975.0	9583.3	8984.7	8316.8	7880.7	7778.0
65°	8609.8	8686.2	8736.2	9093.1	9745.7	10355.4	9790.2	9131.9	8683.4	8548.7
67.5°	8977.8	9019.5	9141.7	9545.8	10234.6	10930.3	10351.2	9588.8	9087.5	8851.4
70°	8439.0	8354.3	8648.7	9295.8	10292.9	11283.0	10426.2	9276.4	8662.6	8279.3
72.5°	6521.2	6375.4	6886.4	7993.2	9626.3	11058.0	9693.0	8055.7	7204.5	6426.8
75°	3548.1	3382.8	4088.3	5488.1	7676.6	9584.6	7853.0	5645.0	4552.1	3521.7
77.5°	1001.2	938.7	1508.1	2655.2	4617.4	6729.5	4795.1	2713.5	1788.6	1060.9
80°	306.9	297.2	402.7	799.9	1960.8	3223.1	1884.4	809.6	512.4	323.6
82.5°	181.9	166.6	200.0	291.6	499.9	1012.3	486.0	304.1	244.4	163.9
85°	104.2	97.2	118.0	141.6	168.0	215.2	140.3	144.4	130.5	87.5
87.5°	43.0	38.9	45.8	44.4	38.9	50.0	37.5	44.4	52.8	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2437.1
2428.8
2398.2
2364.9
2349.6
2349.6
2359.4
2377.4
2395.5
2403.8
2412.1
2433.0
2480.2
2553.8
2671.8
2835.7
3039.8
3299.5
3606.4
3956.3
4377.1
4886.8
5496.4
6187.9
6885.1
7694.7
8482.0
8854.2
8370.9
6619.8
3750.8
1179.0
341.6
177.8
91.7
31.9
0.0

OF REPORT)