

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: P850521

Luminaire Tested: **GLAN-SB8A-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850521
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-SB8A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29253 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

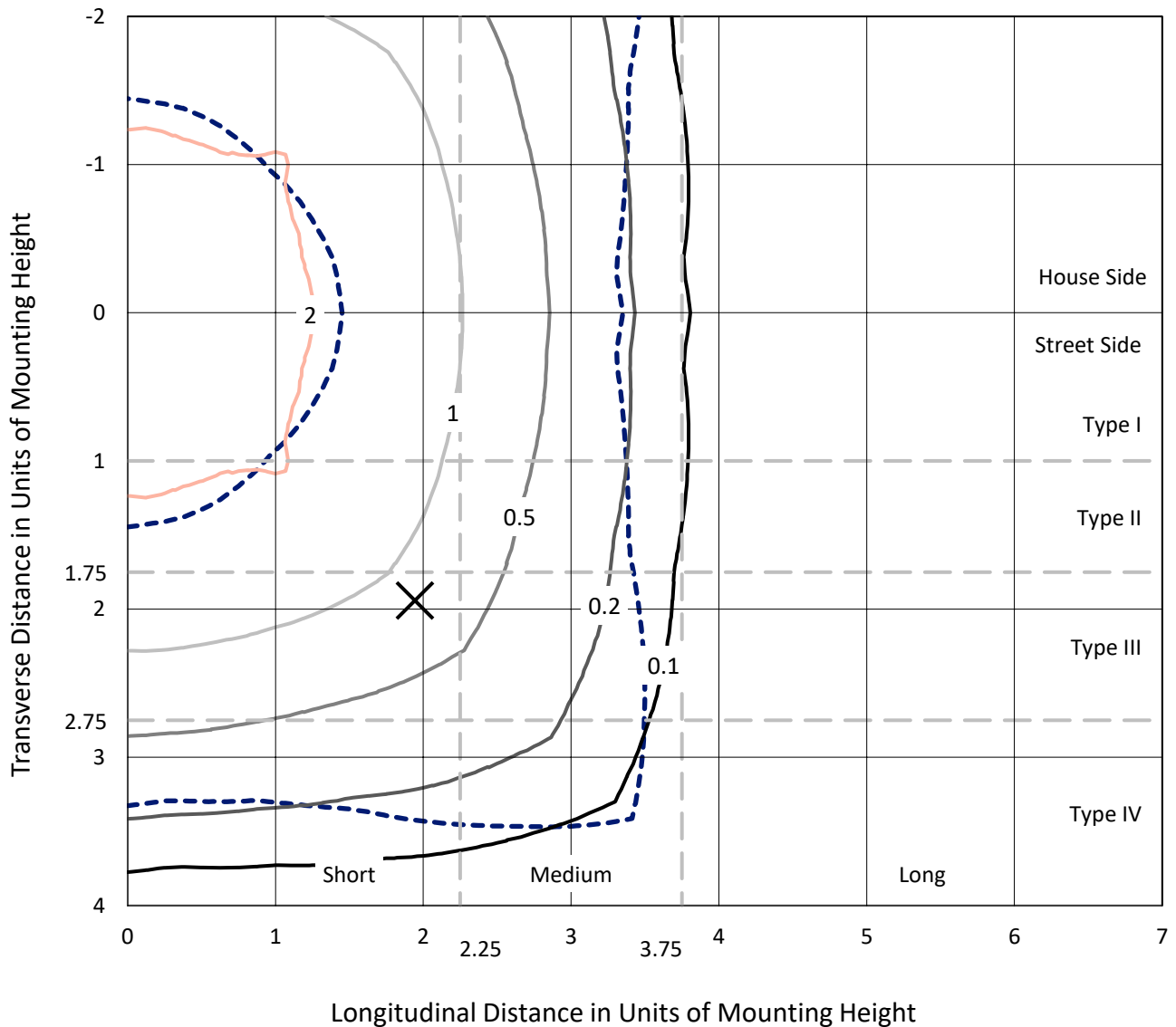
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

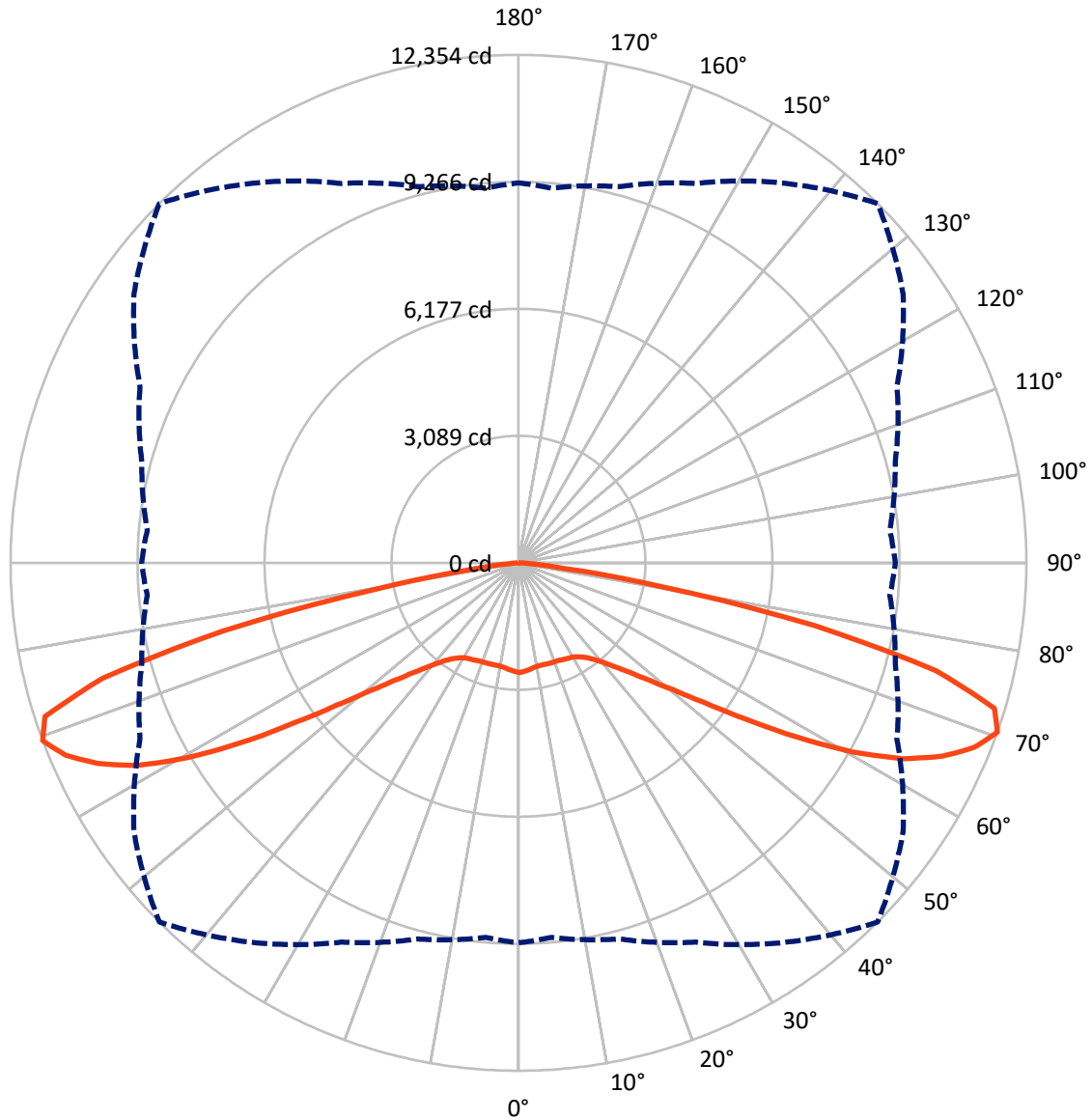
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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
House Side	Lumens	14626.5	0.0	14626.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14626.5	0.0	14626.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29253.0	0.0	29253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.2	0.8
10°-20°	728.9	2.5
20°-30°	1212.9	4.1
30°-40°	1834.3	6.3
40°-50°	3048.2	10.4
50°-60°	5751.9	19.7
60°-70°	9712.3	33.2
70°-80°	6382.0	21.8
80°-90°	334.4	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°	29253.0	100.0
0°-180°	29253.0	100.0

Coefficient of Utilization

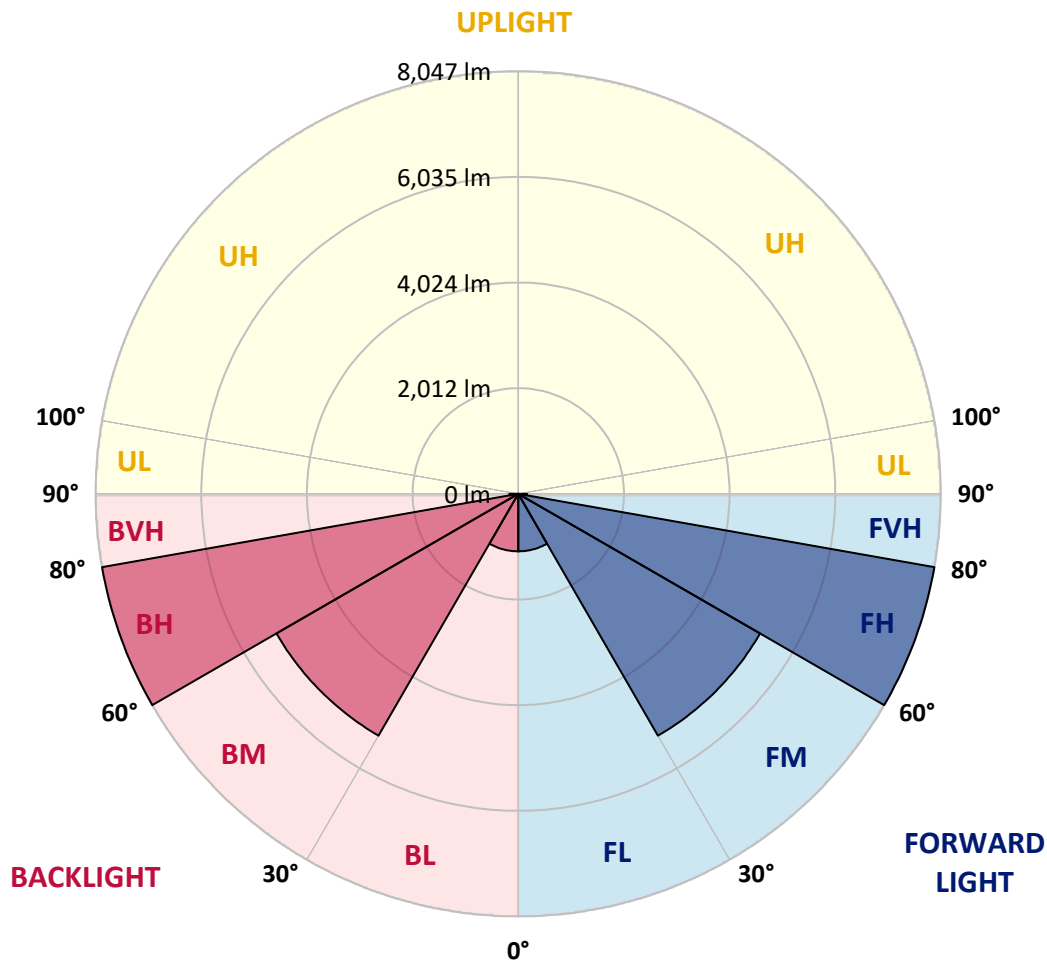


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1095.0	3.7			
FM (30°-60°)	5317.2	18.2			
FH (60°-80°)	8047.1	27.5			G4/12000
FVH (80°-90°)	167.2	0.6			G2/225
BL (0°-30°)	1095.0	3.7	B3/2500		
BM (30°-60°)	5317.2	18.2	B4/8500		
BH (60°-80°)	8047.1	27.5	B5		G4/12000
BVH (80°-90°)	167.2	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-G4
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2668.5	2668.5	2668.5	2668.5	2668.5	2668.5	2668.5	2668.5	2668.5	2668.5
2.5°	2651.7	2659.3	2656.3	2650.2	2650.2	2645.7	2650.2	2653.3	2657.8	2660.9
5°	2616.8	2622.8	2621.3	2616.8	2618.3	2613.7	2616.8	2621.3	2624.4	2625.9
7.5°	2586.4	2592.4	2589.4	2581.8	2581.8	2577.2	2578.8	2583.3	2587.9	2589.4
10°	2578.8	2584.8	2575.7	2563.5	2559.0	2552.9	2554.4	2559.0	2568.1	2572.7
12.5°	2581.8	2586.4	2577.2	2559.0	2554.4	2548.3	2548.3	2552.9	2565.1	2571.2
15°	2590.9	2595.5	2581.8	2562.0	2557.5	2552.9	2551.4	2557.5	2571.2	2581.8
17.5°	2607.6	2612.2	2590.9	2563.5	2557.5	2559.0	2557.5	2562.0	2583.3	2603.1
20°	2622.8	2625.9	2597.0	2563.5	2557.5	2559.0	2557.5	2566.6	2594.0	2621.3
22.5°	2627.4	2630.5	2603.1	2574.2	2569.6	2571.2	2569.6	2578.8	2604.6	2632.0
25°	2628.9	2633.5	2612.2	2589.4	2597.0	2600.0	2597.0	2598.5	2618.3	2642.6
27.5°	2651.7	2657.8	2638.1	2618.3	2622.8	2621.3	2625.9	2630.5	2645.7	2670.0
30°	2698.9	2703.4	2686.7	2666.9	2663.9	2653.3	2666.9	2682.1	2698.9	2720.2
32.5°	2776.4	2785.5	2764.3	2743.0	2729.3	2723.2	2733.8	2759.7	2782.5	2805.3
35°	2905.7	2911.7	2892.0	2852.4	2828.1	2828.1	2837.2	2870.7	2907.2	2936.1
37.5°	3088.1	3095.7	3060.7	3013.6	2977.1	2977.1	2989.3	3024.3	3079.0	3120.0
40°	3310.1	3320.8	3276.7	3228.0	3193.0	3187.0	3202.2	3241.7	3293.4	3345.1
42.5°	3577.7	3589.9	3532.1	3489.5	3462.2	3462.2	3469.8	3506.3	3553.4	3617.2
45°	3919.8	3941.1	3862.0	3819.5	3793.6	3799.7	3804.3	3836.2	3878.8	3951.8
47.5°	4327.3	4348.6	4265.0	4220.9	4216.3	4245.2	4227.0	4249.8	4272.6	4356.2
50°	4789.5	4826.0	4768.3	4765.2	4774.3	4827.6	4785.0	4797.2	4771.3	4824.5
52.5°	5355.2	5408.4	5397.7	5416.0	5517.9	5627.3	5530.0	5487.5	5390.1	5406.9
55°	6040.9	6121.5	6136.7	6246.2	6477.3	6700.8	6494.0	6322.2	6115.4	6077.4
57.5°	6820.9	6884.8	6957.8	7181.3	7613.1	8009.9	7613.1	7233.0	6907.6	6830.0
60°	7660.2	7739.3	7809.2	8139.2	8780.8	9338.9	8768.7	8165.0	7734.7	7629.8
62.5°	8561.9	8663.8	8712.4	9078.9	9826.9	10492.9	9837.6	9106.2	8628.8	8516.3
65°	9427.0	9510.7	9565.4	9956.2	10670.8	11338.3	10719.5	9998.8	9507.6	9360.1
67.5°	9830.0	9875.6	10009.4	10451.9	11206.0	11967.8	11333.7	10499.0	9950.1	9691.6
70°	9240.0	9147.3	9469.6	10178.2	11269.9	12354.0	11415.9	10156.9	9484.8	9065.2
72.5°	7140.2	6980.6	7540.1	8751.9	10540.0	12107.7	10613.0	8820.4	7888.3	7036.8
75°	3884.9	3703.9	4476.3	6009.0	8405.3	10494.4	8598.4	6180.8	4984.2	3856.0
77.5°	1096.3	1027.9	1651.3	2907.2	5055.6	7368.3	5250.3	2971.0	1958.4	1161.7
80°	336.0	325.4	440.9	875.8	2146.9	3529.1	2063.3	886.4	561.1	354.3
82.5°	199.2	182.5	219.0	319.3	547.4	1108.4	532.2	333.0	267.6	179.4
85°	114.0	106.4	129.2	155.1	184.0	235.7	153.6	158.1	142.9	95.8
87.5°	47.1	42.6	50.2	48.7	42.6	54.7	41.1	48.7	57.8	38.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2668.5
2659.3
2625.9
2589.4
2572.7
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2583.3
2603.1
2622.8
2632.0
2641.1
2663.9
2715.6
2796.2
2925.4
3104.8
3328.4
3612.7
3948.7
4331.9
4792.6
5350.6
6018.1
6775.3
7538.6
8425.0
9287.2
9694.7
9165.5
7248.2
4106.8
1290.9
374.0
194.6
100.4
35.0
0.0

OF REPORT)