

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: P850741

Luminaire Tested: **GLAN-SB8B-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850741
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-SB8B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29660 lumens
Efficiency: N/A
Efficacy: 101.3 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

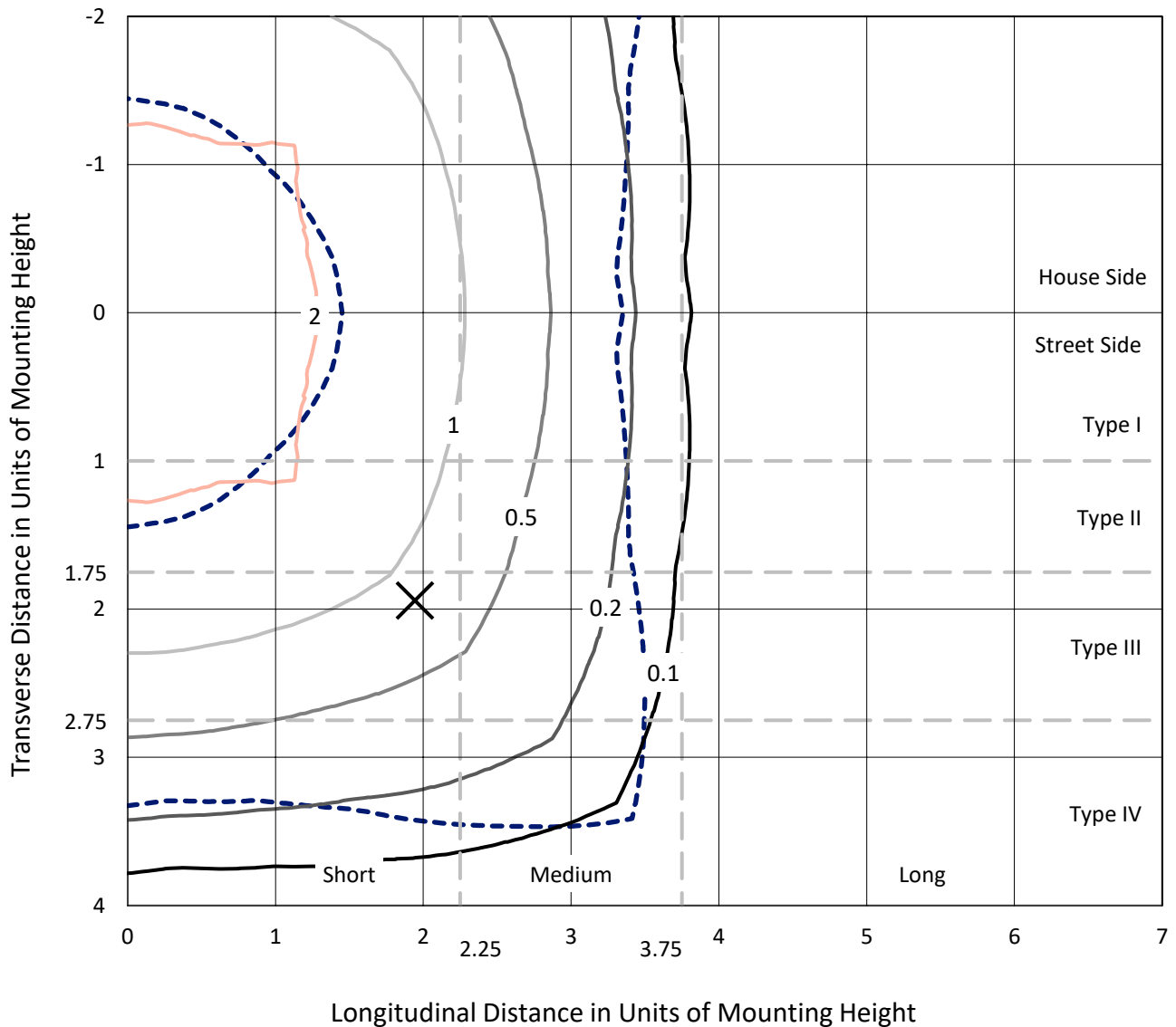
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

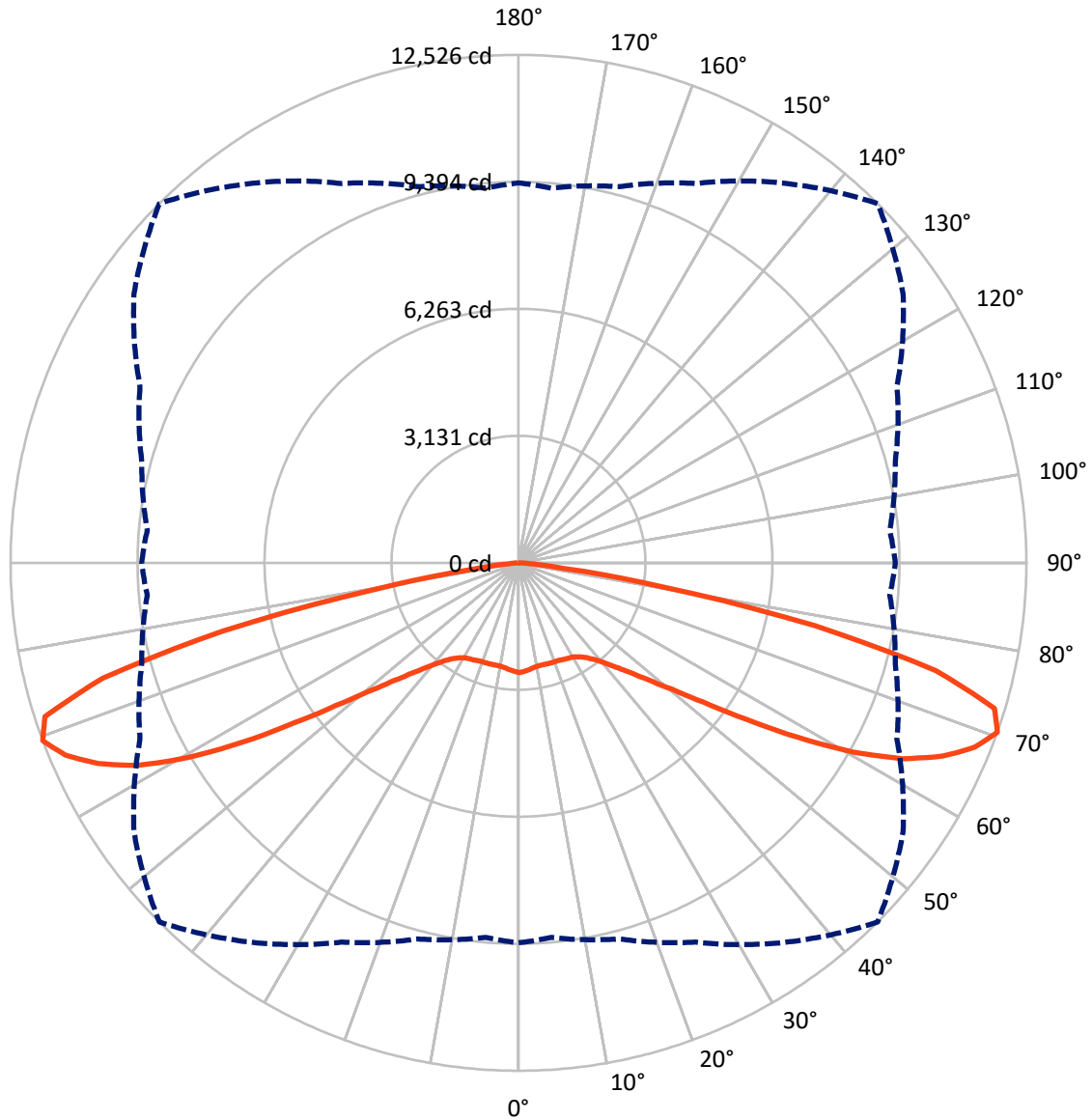
✕ Max cd
 - - - 1/2 Max cd



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	14830.0	0.0	14830.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14830.0	0.0	14830.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29660.0	0.0	29660.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	0.8
10°-20°	739.0	2.5
20°-30°	1229.8	4.1
30°-40°	1859.8	6.3
40°-50°	3090.6	10.4
50°-60°	5831.9	19.7
60°-70°	9847.4	33.2
70°-80°	6470.8	21.8
80°-90°	339.0	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°	29660.0	100.0
0°-180°	29660.0	100.0

Coefficient of Utilization

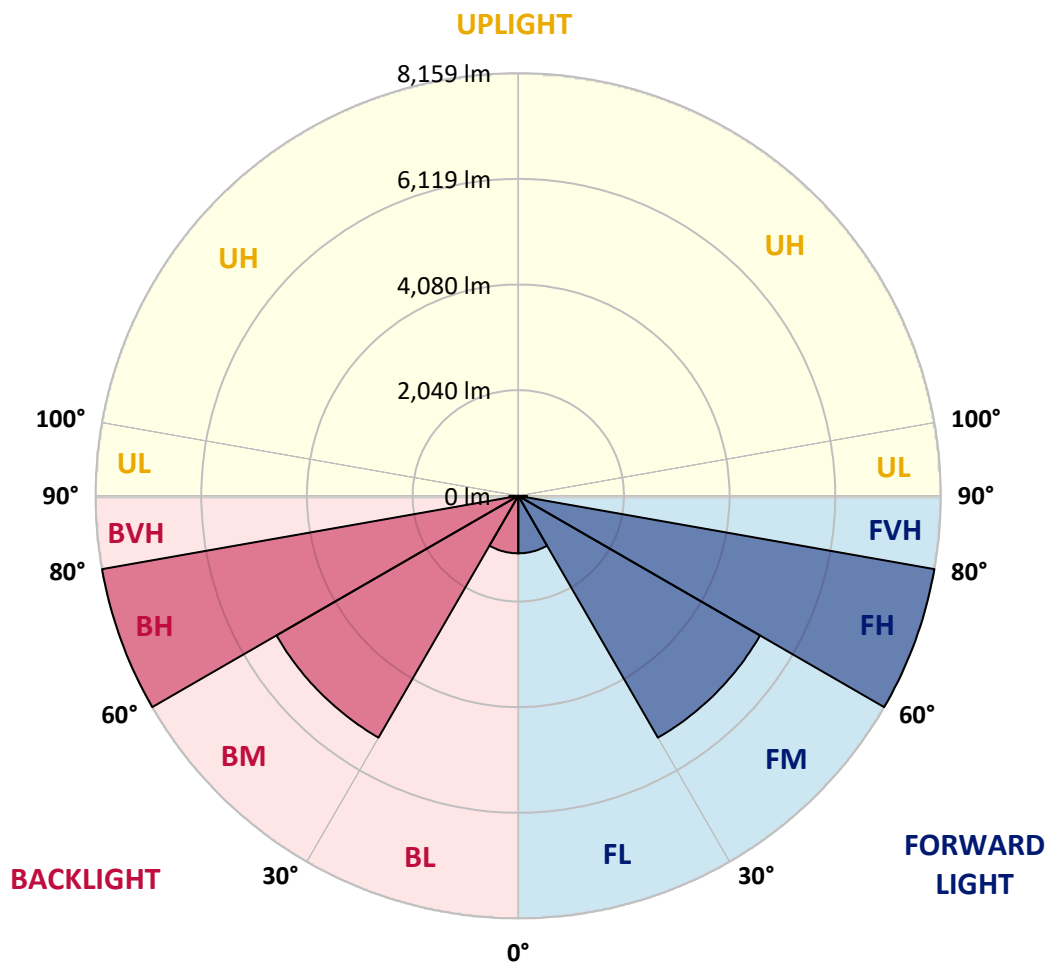


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.2	3.7			
FM (30°-60°)	5391.2	18.2			
FH (60°-80°)	8159.1	27.5			G4/12000
FVH (80°-90°)	169.5	0.6			G2/225
BL (0°-30°)	1110.2	3.7	B3/2500		
BM (30°-60°)	5391.2	18.2	B4/8500		
BH (60°-80°)	8159.1	27.5	B5		G4/12000
BVH (80°-90°)	169.5	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°	2705.6	2705.6	2705.6	2705.6	2705.6	2705.6	2705.6	2705.6	2705.6	2705.6
2.5°	2688.6	2696.3	2693.3	2687.1	2687.1	2682.5	2687.1	2690.2	2694.8	2697.9
5°	2653.2	2659.3	2657.8	2653.2	2654.7	2650.1	2653.2	2657.8	2660.9	2662.4
7.5°	2622.3	2628.5	2625.4	2617.7	2617.7	2613.1	2614.6	2619.3	2623.9	2625.4
10°	2614.6	2620.8	2611.5	2599.2	2594.6	2588.4	2590.0	2594.6	2603.8	2608.5
12.5°	2617.7	2622.3	2613.1	2594.6	2590.0	2583.8	2583.8	2588.4	2600.8	2606.9
15°	2627.0	2631.6	2617.7	2597.7	2593.0	2588.4	2586.9	2593.0	2606.9	2617.7
17.5°	2643.9	2648.5	2627.0	2599.2	2593.0	2594.6	2593.0	2597.7	2619.3	2639.3
20°	2659.3	2662.4	2633.1	2599.2	2593.0	2594.6	2593.0	2602.3	2630.0	2657.8
22.5°	2664.0	2667.0	2639.3	2610.0	2605.4	2606.9	2605.4	2614.6	2640.8	2668.6
25°	2665.5	2670.1	2648.5	2625.4	2633.1	2636.2	2633.1	2634.7	2654.7	2679.4
27.5°	2688.6	2694.8	2674.8	2654.7	2659.3	2657.8	2662.4	2667.0	2682.5	2707.1
30°	2736.4	2741.0	2724.1	2704.0	2701.0	2690.2	2704.0	2719.5	2736.4	2758.0
32.5°	2815.0	2824.3	2802.7	2781.1	2767.3	2761.1	2771.9	2798.1	2821.2	2844.3
35°	2946.1	2952.3	2932.2	2892.1	2867.5	2867.5	2876.7	2910.6	2947.6	2976.9
37.5°	3131.1	3138.8	3103.3	3055.5	3018.5	3018.5	3030.9	3066.3	3121.8	3163.5
40°	3356.2	3367.0	3322.2	3272.9	3237.5	3231.3	3246.7	3286.8	3339.2	3391.6
42.5°	3627.5	3639.8	3581.2	3538.1	3510.3	3510.3	3518.0	3555.0	3602.8	3667.6
45°	3974.4	3995.9	3915.8	3872.6	3846.4	3852.6	3857.2	3889.6	3932.7	4006.7
47.5°	4387.5	4409.1	4324.3	4279.6	4275.0	4304.3	4285.8	4308.9	4332.0	4416.8
50°	4856.2	4893.2	4834.6	4831.5	4840.8	4894.7	4851.6	4863.9	4837.7	4891.6
52.5°	5429.7	5483.6	5472.8	5491.3	5594.6	5705.6	5607.0	5563.8	5465.1	5482.1
55°	6125.0	6206.7	6222.1	6333.1	6567.4	6794.0	6584.4	6410.2	6200.5	6162.0
57.5°	6915.8	6980.6	7054.6	7281.2	7719.0	8121.4	7719.0	7333.6	7003.7	6925.1
60°	7766.8	7847.0	7917.9	8252.4	8903.0	9468.8	8890.7	8278.6	7842.4	7736.0
62.5°	8681.0	8784.3	8833.6	9205.2	9963.7	10638.9	9974.5	9232.9	8748.8	8634.8
65°	9558.2	9643.0	9698.5	10094.7	10819.3	11496.1	10868.6	10137.9	9639.9	9490.4
67.5°	9966.7	10013.0	10148.7	10597.3	11361.9	12134.3	11491.4	10645.1	10088.5	9826.5
70°	9368.6	9274.5	9601.4	10319.8	11426.7	12525.9	11574.7	10298.2	9616.8	9191.3
72.5°	7239.6	7077.7	7645.0	8873.7	10686.7	12276.1	10760.7	8943.1	7998.1	7134.7
75°	3938.9	3755.5	4538.6	6092.6	8522.2	10640.4	8718.0	6266.8	5053.5	3909.6
77.5°	1111.5	1042.2	1674.2	2947.6	5126.0	7470.8	5323.3	3012.4	1985.6	1177.8
80°	340.7	329.9	447.1	888.0	2176.8	3578.2	2092.0	898.8	568.9	359.2
82.5°	202.0	185.0	222.0	323.7	555.0	1123.9	539.6	337.6	271.3	181.9
85°	115.6	107.9	131.0	157.2	186.5	239.0	155.7	160.3	144.9	97.1
87.5°	47.8	43.2	50.9	49.3	43.2	55.5	41.6	49.3	58.6	38.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2705.6
2696.3
2662.4
2625.4
2608.5
2608.5
2619.3
2639.3
2659.3
2668.6
2677.8
2701.0
2753.4
2835.1
2966.1
3148.0
3374.7
3663.0
4003.7
4392.2
4859.3
5425.1
6101.8
6869.6
7643.5
8542.3
9416.4
9829.5
9293.0
7349.0
4164.0
1308.9
379.2
197.3
101.7
35.5
0.0

OF REPORT)