

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: P849371

Luminaire Tested: **GLAN-SB6B-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849371
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-SB6B-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29657 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

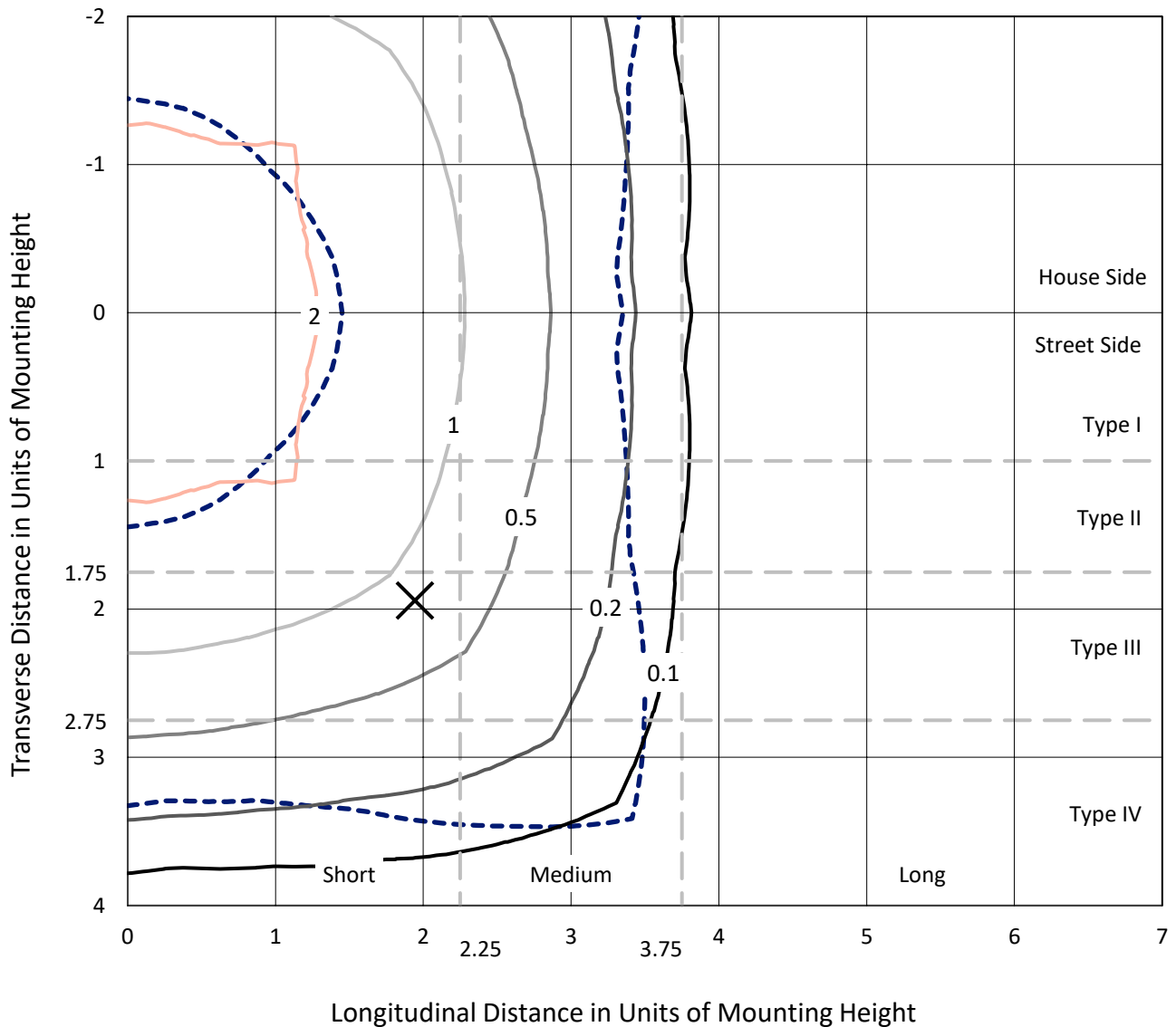
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

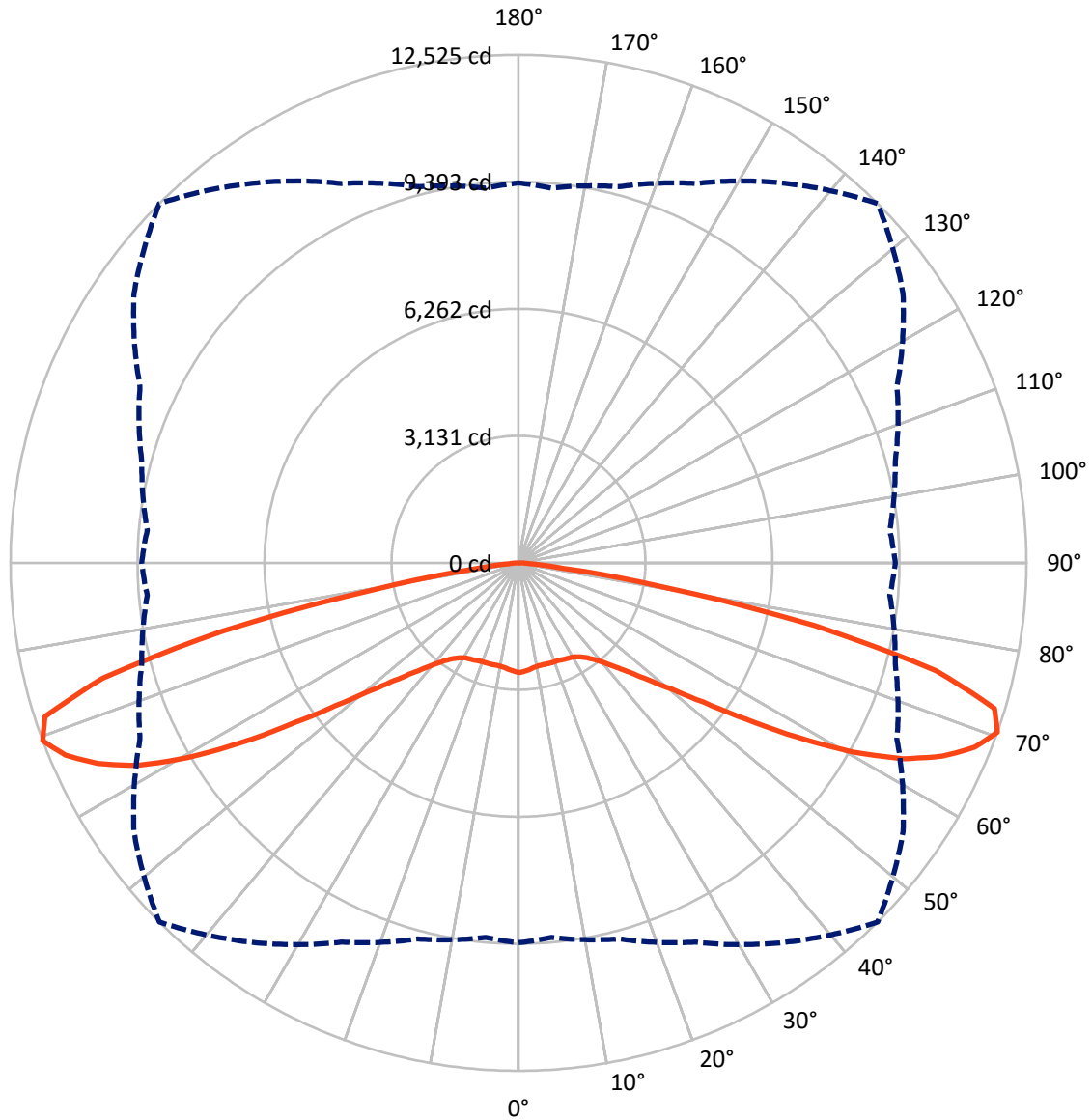
✕ Max cd
 - - - 1/2 Max cd



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	14828.5	0.0	14828.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14828.5	0.0	14828.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29657.0	0.0	29657.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	0.8
10°-20°	738.9	2.5
20°-30°	1229.7	4.1
30°-40°	1859.7	6.3
40°-50°	3090.3	10.4
50°-60°	5831.3	19.7
60°-70°	9846.4	33.2
70°-80°	6470.1	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°	29657.0	100.0
0°-180°	29657.0	100.0

Coefficient of Utilization

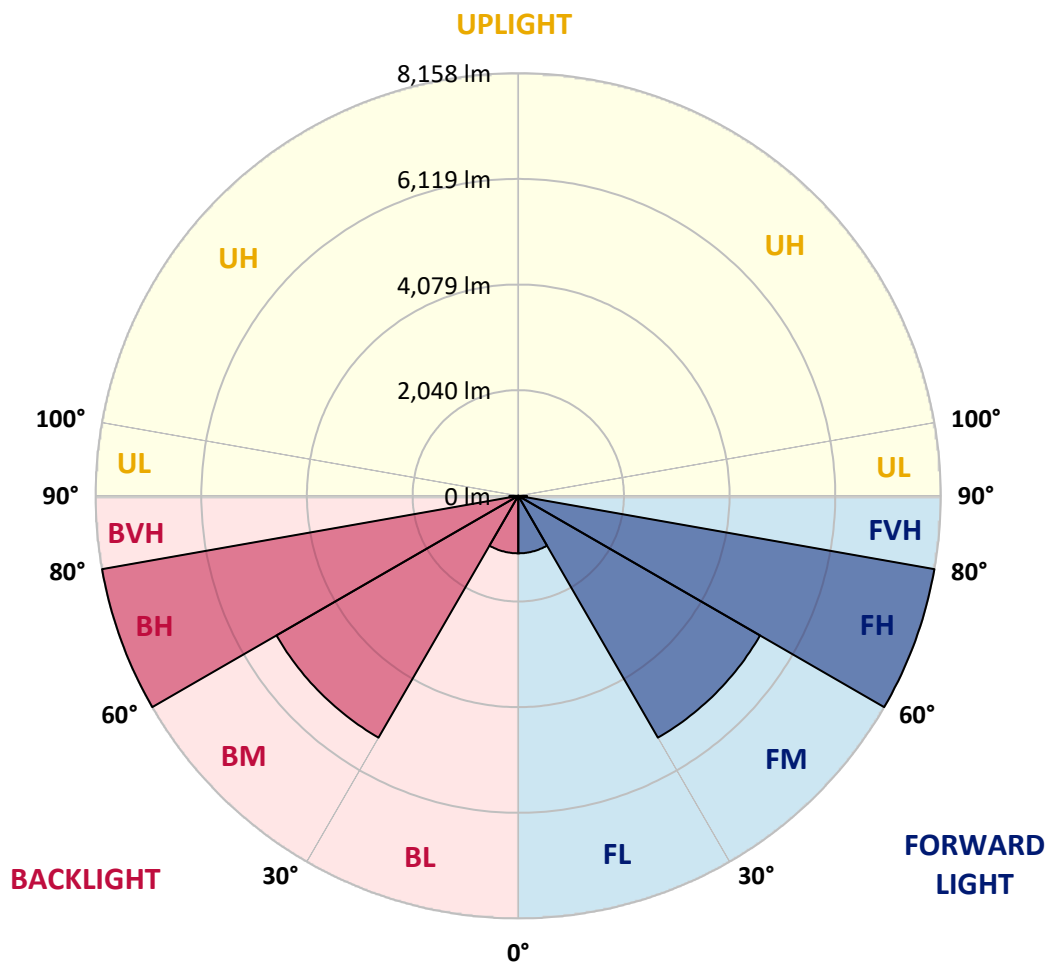


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.1	3.7			
FM (30°-60°)	5390.6	18.2			
FH (60°-80°)	8158.2	27.5			G4/12000
FVH (80°-90°)	169.5	0.6			G2/225
BL (0°-30°)	1110.1	3.7	B3/2500		
BM (30°-60°)	5390.6	18.2	B4/8500		
BH (60°-80°)	8158.2	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°	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3	2705.3
2.5°	2688.4	2696.1	2693.0	2686.8	2686.8	2682.2	2686.8	2689.9	2694.5	2697.6
5°	2652.9	2659.1	2657.5	2652.9	2654.4	2649.8	2652.9	2657.5	2660.6	2662.2
7.5°	2622.1	2628.2	2625.2	2617.5	2617.5	2612.8	2614.4	2619.0	2623.6	2625.2
10°	2614.4	2620.5	2611.3	2599.0	2594.3	2588.2	2589.7	2594.3	2603.6	2608.2
12.5°	2617.5	2622.1	2612.8	2594.3	2589.7	2583.5	2583.5	2588.2	2600.5	2606.7
15°	2626.7	2631.3	2617.5	2597.4	2592.8	2588.2	2586.6	2592.8	2606.7	2617.5
17.5°	2643.7	2648.3	2626.7	2599.0	2592.8	2594.3	2592.8	2597.4	2619.0	2639.0
20°	2659.1	2662.2	2632.9	2599.0	2592.8	2594.3	2592.8	2602.0	2629.8	2657.5
22.5°	2663.7	2666.8	2639.0	2609.7	2605.1	2606.7	2605.1	2614.4	2640.6	2668.3
25°	2665.2	2669.9	2648.3	2625.2	2632.9	2635.9	2632.9	2634.4	2654.4	2679.1
27.5°	2688.4	2694.5	2674.5	2654.4	2659.1	2657.5	2662.2	2666.8	2682.2	2706.9
30°	2736.1	2740.8	2723.8	2703.8	2700.7	2689.9	2703.8	2719.2	2736.1	2757.7
32.5°	2814.8	2824.0	2802.4	2780.8	2767.0	2760.8	2771.6	2797.8	2820.9	2844.0
35°	2945.8	2952.0	2931.9	2891.8	2867.2	2867.2	2876.4	2910.3	2947.3	2976.6
37.5°	3130.8	3138.5	3103.0	3055.2	3018.2	3018.2	3030.6	3066.0	3121.5	3163.1
40°	3355.8	3366.6	3321.9	3272.6	3237.1	3231.0	3246.4	3286.5	3338.9	3391.3
42.5°	3627.1	3639.5	3580.9	3537.7	3510.0	3510.0	3517.7	3554.7	3602.5	3667.2
45°	3974.0	3995.5	3915.4	3872.2	3846.0	3852.2	3856.8	3889.2	3932.3	4006.3
47.5°	4387.1	4408.7	4323.9	4279.2	4274.6	4303.8	4285.3	4308.5	4331.6	4416.4
50°	4855.7	4892.7	4834.1	4831.0	4840.3	4894.2	4851.1	4863.4	4837.2	4891.1
52.5°	5429.1	5483.1	5472.3	5490.8	5594.1	5705.1	5606.4	5563.2	5464.6	5481.5
55°	6124.3	6206.0	6221.5	6332.4	6566.7	6793.3	6583.7	6409.5	6199.9	6161.3
57.5°	6915.1	6979.9	7053.9	7280.5	7718.2	8120.6	7718.2	7332.9	7003.0	6924.4
60°	7766.0	7846.2	7917.1	8251.6	8902.1	9467.8	8889.8	8277.8	7841.6	7735.2
62.5°	8680.1	8783.4	8832.7	9204.2	9962.7	10637.8	9973.4	9232.0	8748.0	8633.9
65°	9557.2	9642.0	9697.5	10093.7	10818.2	11494.9	10867.5	10136.8	9638.9	9489.4
67.5°	9965.7	10012.0	10147.6	10596.2	11360.8	12133.1	11490.3	10644.0	10087.5	9825.5
70°	9367.6	9273.6	9600.4	10318.7	11425.5	12524.6	11573.5	10297.2	9615.8	9190.4
72.5°	7238.8	7077.0	7644.3	8872.8	10685.6	12274.9	10759.6	8942.2	7997.3	7134.0
75°	3938.5	3755.1	4538.1	6092.0	8521.4	10639.4	8717.1	6266.2	5053.0	3909.2
77.5°	1111.4	1042.0	1674.1	2947.3	5125.5	7470.1	5322.8	3012.1	1985.4	1177.7
80°	340.7	329.9	447.0	887.9	2176.6	3577.8	2091.8	898.7	568.8	359.2
82.5°	201.9	185.0	222.0	323.7	554.9	1123.7	539.5	337.6	271.3	181.9
85°	115.6	107.9	131.0	157.2	186.5	238.9	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°
2705.3
2696.1
2662.2
2625.2
2608.2
2608.2
2619.0
2639.0
2659.1
2668.3
2677.6
2700.7
2753.1
2834.8
2965.8
3147.7
3374.3
3662.6
4003.3
4391.7
4858.8
5424.5
6101.2
6868.9
7642.7
8541.4
9415.4
9828.5
9292.1
7348.3
4163.6
1308.7
379.2
197.3
101.7
35.5
0.0

OF REPORT)