

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: P850751

Luminaire Tested: **GLAN-SB8B-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850751
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-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31073 lumens
Efficiency: N/A
Efficacy: 106.1 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

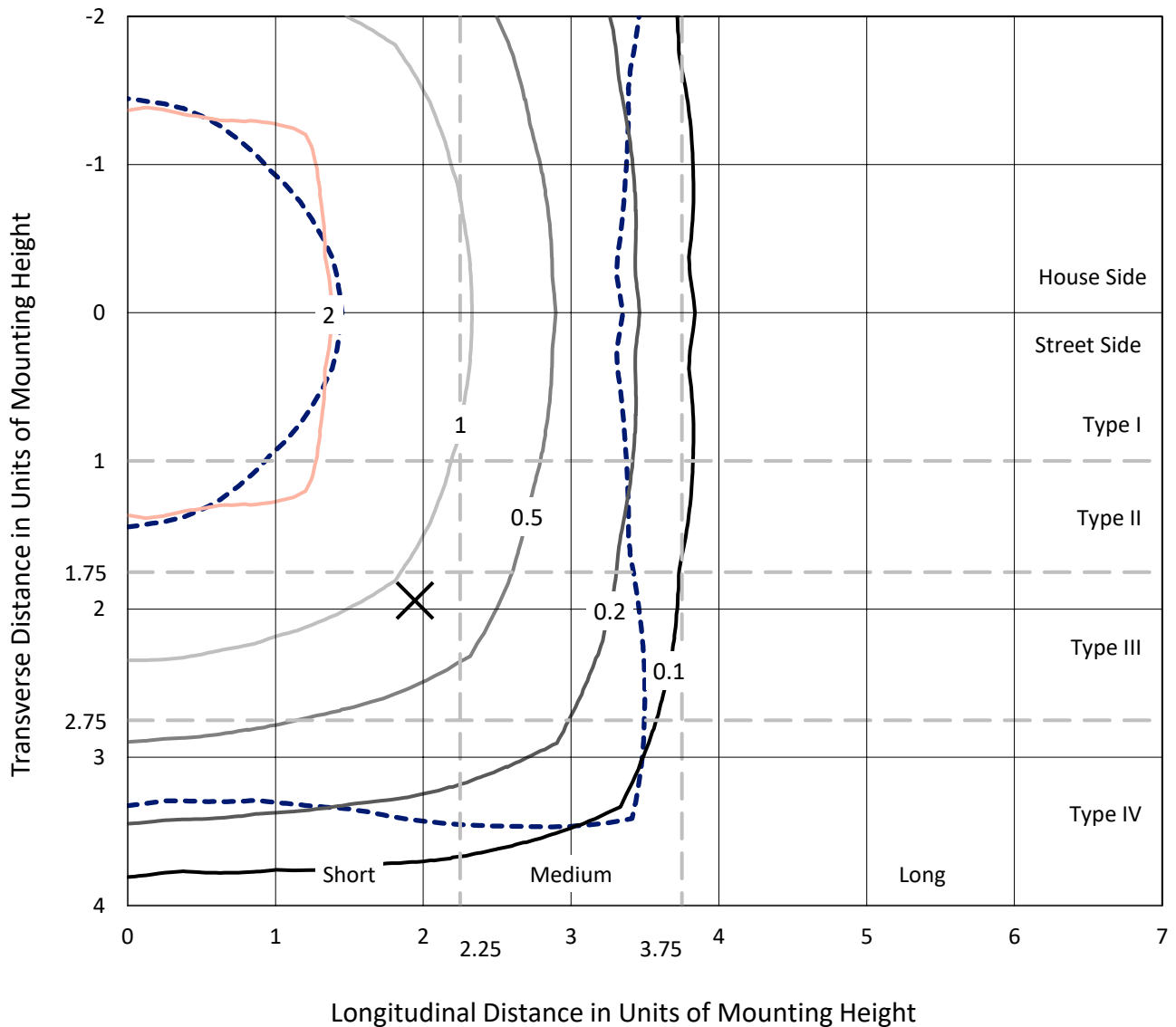
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

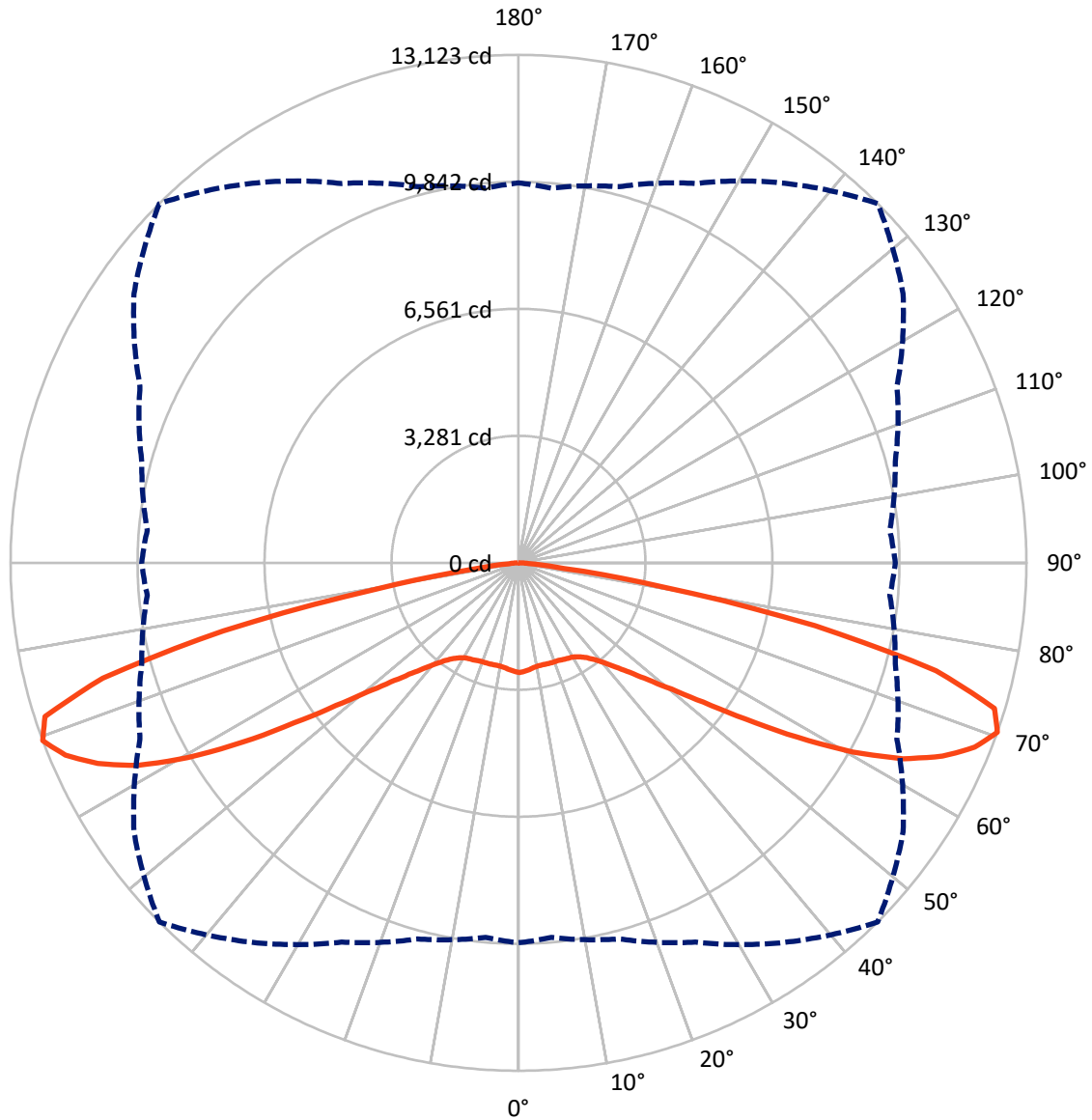
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	15536.5	0.0	15536.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15536.5	0.0	15536.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31073.0	0.0	31073.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.7	0.8
10°-20°	774.2	2.5
20°-30°	1288.4	4.1
30°-40°	1948.4	6.3
40°-50°	3237.9	10.4
50°-60°	6109.7	19.7
60°-70°	10316.5	33.2
70°-80°	6779.0	21.8
80°-90°	355.2	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°	31073.0	100.0
0°-180°	31073.0	100.0

Coefficient of Utilization

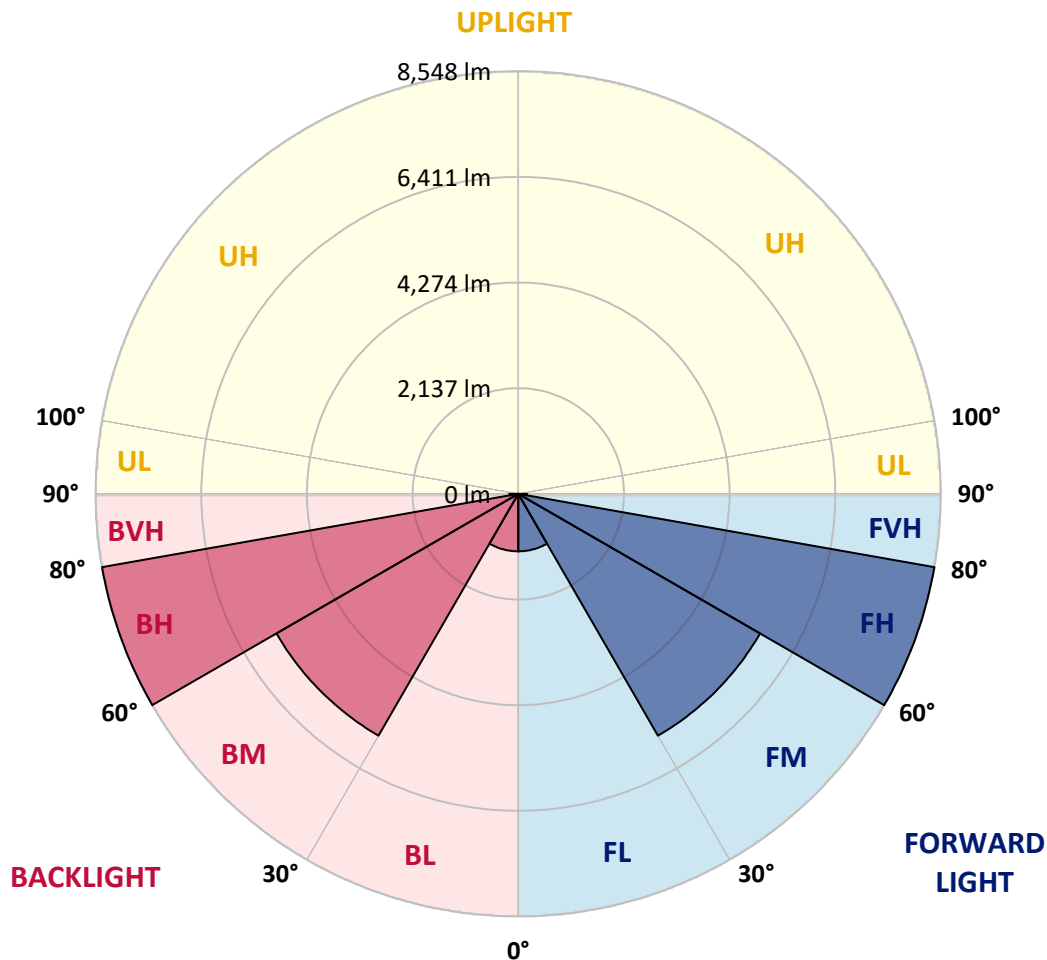


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1163.1	3.7			
FM (30°-60°)	5648.0	18.2			
FH (60°-80°)	8547.8	27.5			G4/12000
FVH (80°-90°)	177.6	0.6			G2/225
BL (0°-30°)	1163.1	3.7	B3/2500		
BM (30°-60°)	5648.0	18.2	B4/8500		
BH (60°-80°)	8547.8	27.5	B5		G4/12000
BVH (80°-90°)	177.6	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°	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5	2834.5
2.5°	2816.7	2824.8	2821.6	2815.1	2815.1	2810.3	2815.1	2818.3	2823.2	2826.4
5°	2779.6	2786.0	2784.4	2779.6	2781.2	2776.3	2779.6	2784.4	2787.6	2789.3
7.5°	2747.3	2753.7	2750.5	2742.4	2742.4	2737.6	2739.2	2744.0	2748.9	2750.5
10°	2739.2	2745.7	2736.0	2723.0	2718.2	2711.7	2713.4	2718.2	2727.9	2732.7
12.5°	2742.4	2747.3	2737.6	2718.2	2713.4	2706.9	2706.9	2711.7	2724.7	2731.1
15°	2752.1	2757.0	2742.4	2721.4	2716.6	2711.7	2710.1	2716.6	2731.1	2742.4
17.5°	2769.9	2774.7	2752.1	2723.0	2716.6	2718.2	2716.6	2721.4	2744.0	2765.0
20°	2786.0	2789.3	2758.6	2723.0	2716.6	2718.2	2716.6	2726.3	2755.3	2784.4
22.5°	2790.9	2794.1	2765.0	2734.3	2729.5	2731.1	2729.5	2739.2	2766.6	2795.7
25°	2792.5	2797.3	2774.7	2750.5	2758.6	2761.8	2758.6	2760.2	2781.2	2807.0
27.5°	2816.7	2823.2	2802.2	2781.2	2786.0	2784.4	2789.3	2794.1	2810.3	2836.1
30°	2866.8	2871.6	2853.9	2832.9	2829.6	2818.3	2832.9	2849.0	2866.8	2889.4
32.5°	2949.2	2958.8	2936.2	2913.6	2899.1	2892.6	2903.9	2931.4	2955.6	2979.8
35°	3086.4	3092.9	3071.9	3029.9	3004.1	3004.1	3013.8	3049.3	3088.1	3118.7
37.5°	3280.2	3288.3	3251.2	3201.1	3162.3	3162.3	3175.3	3212.4	3270.6	3314.2
40°	3516.1	3527.4	3480.5	3428.8	3391.7	3385.2	3401.4	3443.4	3498.3	3553.2
42.5°	3800.3	3813.2	3751.9	3706.6	3677.6	3677.6	3685.6	3724.4	3774.5	3842.3
45°	4163.7	4186.3	4102.3	4057.1	4029.6	4036.1	4041.0	4074.9	4120.1	4197.6
47.5°	4596.5	4619.2	4530.3	4483.5	4478.6	4509.3	4490.0	4514.2	4538.4	4627.2
50°	5087.5	5126.3	5064.9	5061.7	5071.4	5127.9	5082.7	5095.6	5068.2	5124.7
52.5°	5688.3	5744.9	5733.6	5753.0	5861.2	5977.4	5874.1	5828.9	5725.5	5743.3
55°	6416.8	6502.4	6518.5	6634.8	6880.3	7117.7	6898.1	6715.5	6495.9	6455.5
57.5°	7245.3	7313.1	7390.7	7628.1	8086.8	8508.3	8086.8	7683.0	7337.4	7255.0
60°	8136.8	8220.8	8295.1	8645.6	9327.1	9919.9	9314.2	8673.0	8216.0	8104.5
62.5°	9094.6	9202.8	9254.5	9643.7	10438.3	11145.7	10449.6	9672.8	9165.6	9046.1
65°	10013.6	10102.4	10160.5	10575.6	11334.7	12043.7	11386.4	10620.8	10099.2	9942.5
67.5°	10441.6	10490.0	10632.1	11102.1	11903.2	12712.4	12038.9	11152.2	10569.1	10294.6
70°	9814.9	9716.4	10058.8	10811.4	11971.0	13122.6	12126.1	10788.8	10074.9	9629.2
72.5°	7584.5	7414.9	8009.2	9296.5	11195.8	12861.0	11273.3	9369.1	8379.1	7474.6
75°	4126.6	3934.4	4754.8	6382.8	8928.2	11147.4	9133.3	6565.3	5294.3	4095.9
77.5°	1164.5	1091.8	1754.0	3088.1	5370.2	7826.7	5576.9	3155.9	2080.2	1233.9
80°	356.9	345.6	468.4	930.3	2280.5	3748.6	2191.7	941.6	596.0	376.3
82.5°	211.6	193.8	232.6	339.2	581.4	1177.4	565.3	353.7	284.3	190.6
85°	121.1	113.1	137.3	164.7	195.4	250.3	163.1	168.0	151.8	101.8
87.5°	50.1	45.2	53.3	51.7	45.2	58.1	43.6	51.7	61.4	40.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2834.5
2824.8
2789.3
2750.5
2732.7
2732.7
2744.0
2765.0
2786.0
2795.7
2805.4
2829.6
2884.6
2970.2
3107.4
3298.0
3535.4
3837.5
4194.4
4601.4
5090.8
5683.5
6392.5
7196.8
8007.6
8949.2
9865.0
10297.8
9735.8
7699.1
4362.4
1371.2
397.3
206.7
106.6
37.1
0.0

OF REPORT)