

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: P850541

Luminaire Tested: **GLAN-SB8A-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850541
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 30379 lumens
Efficiency: N/A
Efficacy: 133.8 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

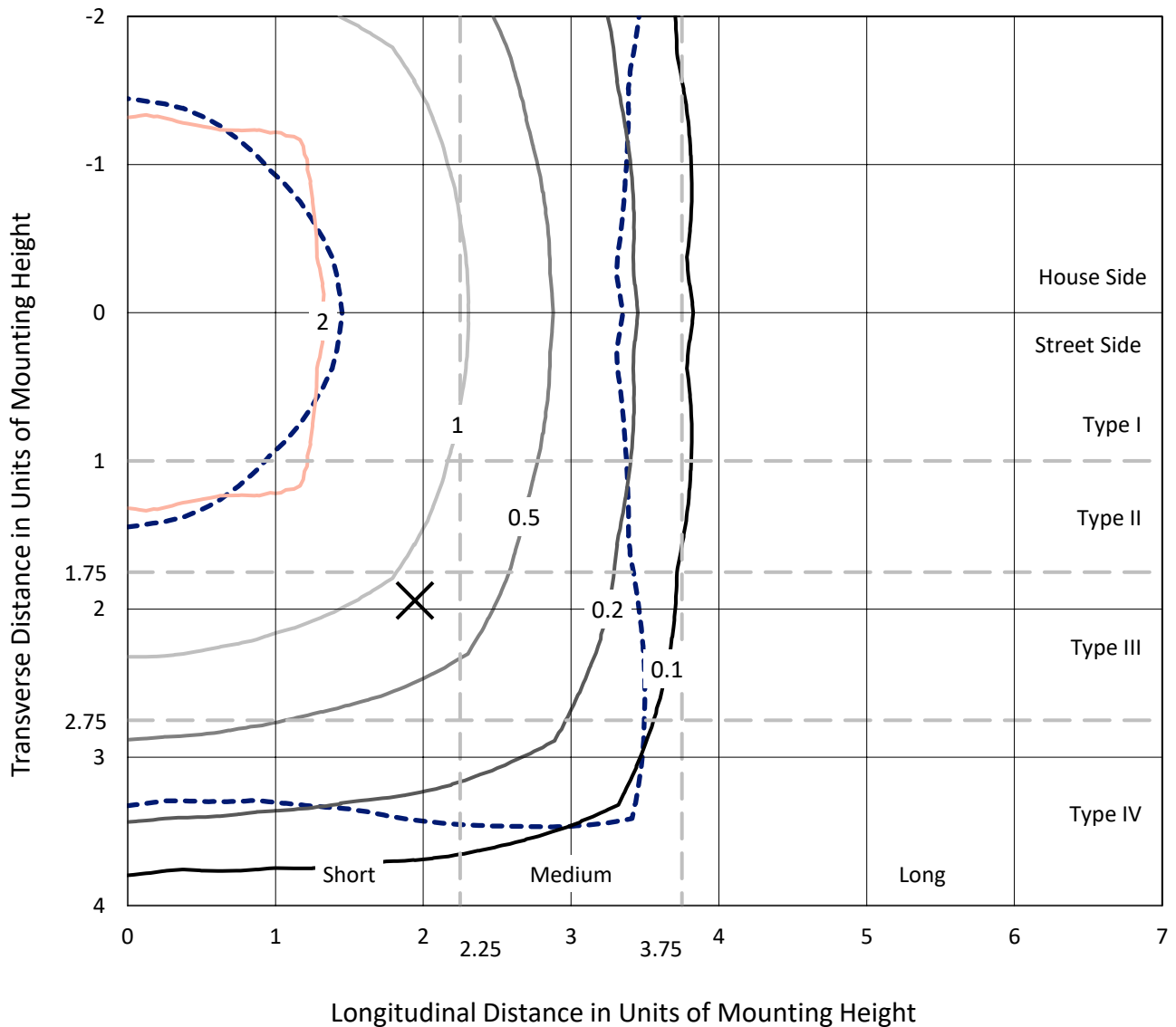
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

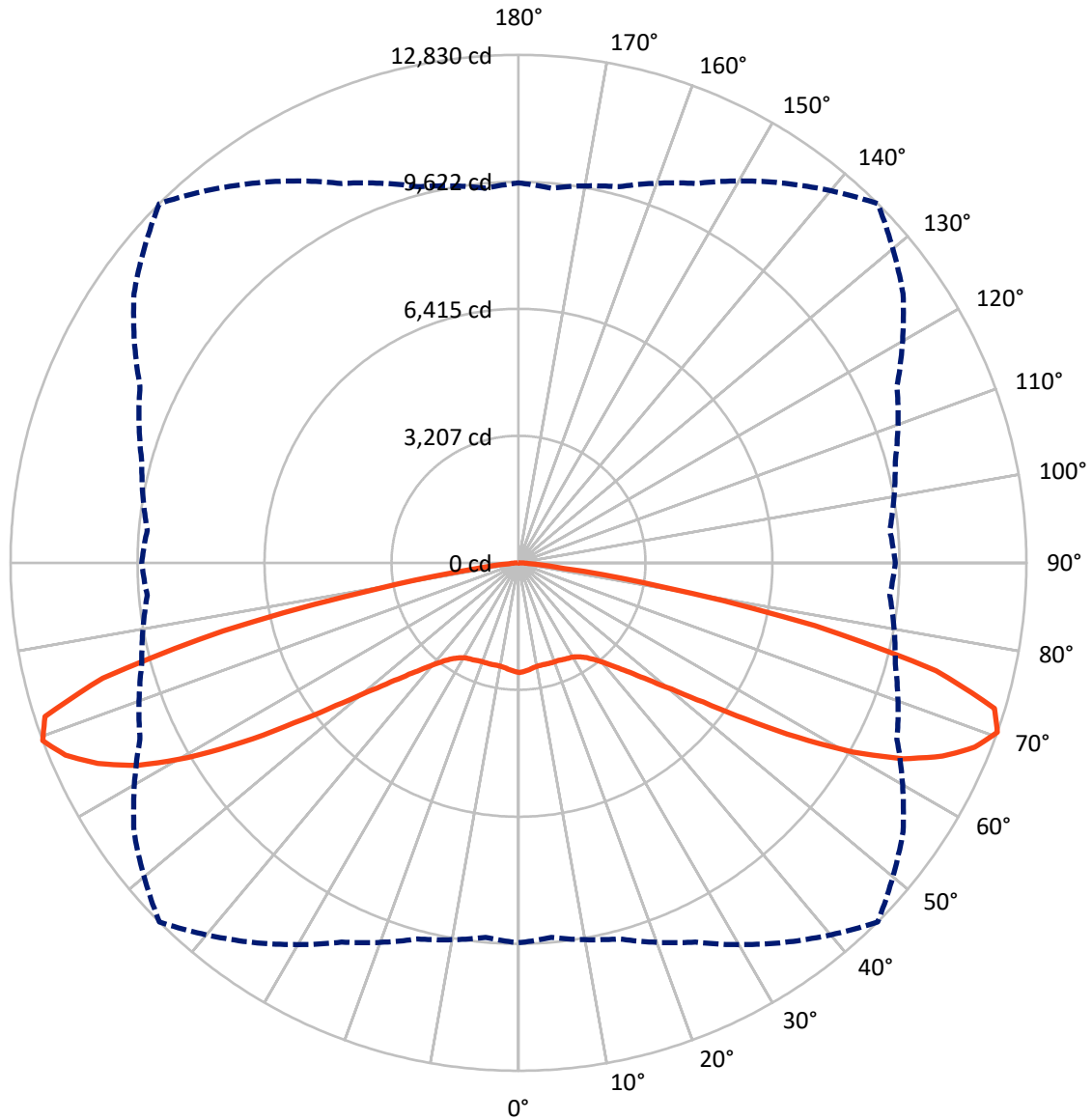
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	15189.5	0.0	15189.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15189.5	0.0	15189.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30379.0	0.0	30379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.8	0.8
10°-20°	756.9	2.5
20°-30°	1259.6	4.1
30°-40°	1904.9	6.3
40°-50°	3165.5	10.4
50°-60°	5973.3	19.7
60°-70°	10086.1	33.2
70°-80°	6627.6	21.8
80°-90°	347.2	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°	30379.0	100.0
0°-180°	30379.0	100.0

Coefficient of Utilization



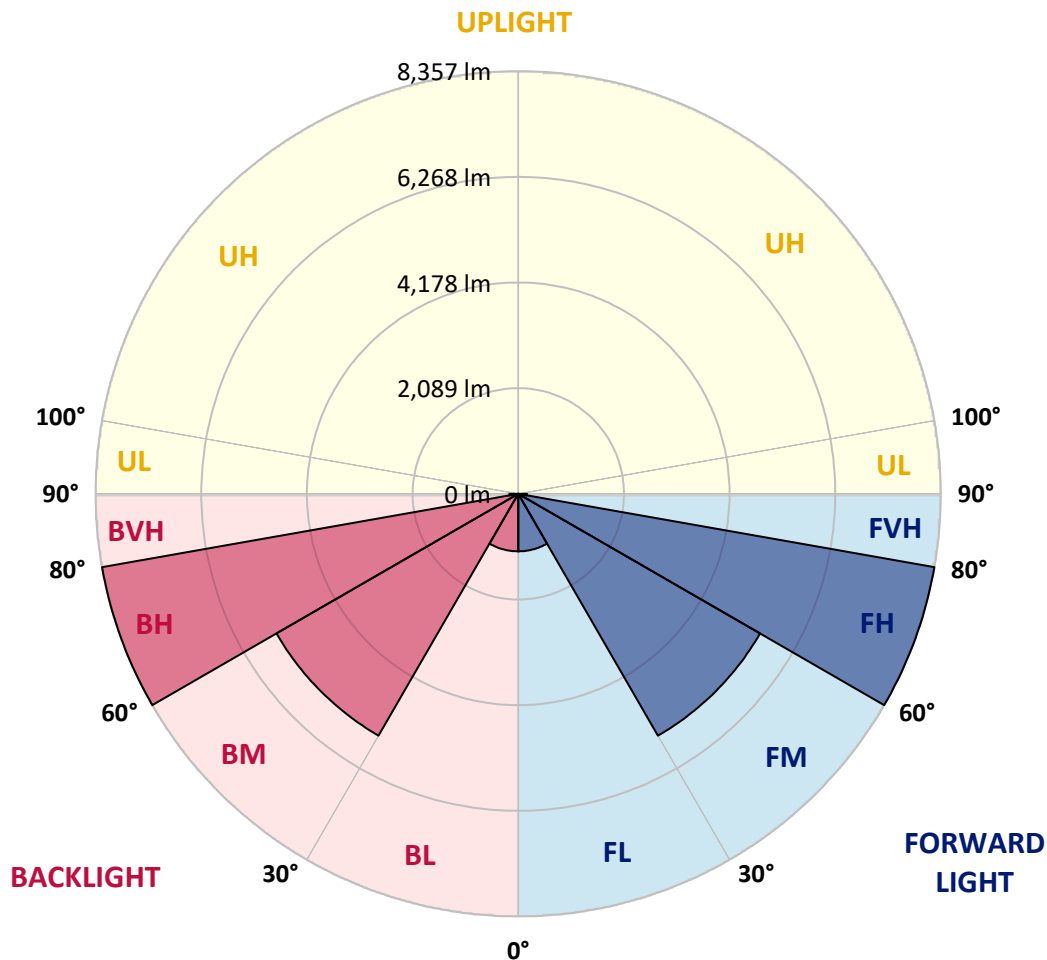
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1137.2	3.7			
FM (30°-60°)	5521.9	18.2			
FH (60°-80°)	8356.9	27.5			G4/12000
FVH (80°-90°)	173.6	0.6			G2/225
BL (0°-30°)	1137.2	3.7	B3/2500		
BM (30°-60°)	5521.9	18.2	B4/8500		
BH (60°-80°)	8356.9	27.5	B5		G4/12000
BVH (80°-90°)	173.6	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°	2771.2	2771.2	2771.2	2771.2	2771.2	2771.2	2771.2	2771.2	2771.2	2771.2
2.5°	2753.8	2761.7	2758.5	2752.2	2752.2	2747.5	2752.2	2755.4	2760.1	2763.3
5°	2717.5	2723.8	2722.2	2717.5	2719.1	2714.3	2717.5	2722.2	2725.4	2727.0
7.5°	2685.9	2692.2	2689.1	2681.2	2681.2	2676.4	2678.0	2682.8	2687.5	2689.1
10°	2678.0	2684.3	2674.9	2662.2	2657.5	2651.2	2652.8	2657.5	2667.0	2671.7
12.5°	2681.2	2685.9	2676.4	2657.5	2652.8	2646.4	2646.4	2651.2	2663.8	2670.1
15°	2690.6	2695.4	2681.2	2660.6	2655.9	2651.2	2649.6	2655.9	2670.1	2681.2
17.5°	2708.0	2712.8	2690.6	2662.2	2655.9	2657.5	2655.9	2660.6	2682.8	2703.3
20°	2723.8	2727.0	2697.0	2662.2	2655.9	2657.5	2655.9	2665.4	2693.8	2722.2
22.5°	2728.5	2731.7	2703.3	2673.3	2668.5	2670.1	2668.5	2678.0	2704.9	2733.3
25°	2730.1	2734.9	2712.8	2689.1	2697.0	2700.1	2697.0	2698.5	2719.1	2744.3
27.5°	2753.8	2760.1	2739.6	2719.1	2723.8	2722.2	2727.0	2731.7	2747.5	2772.8
30°	2802.8	2807.5	2790.1	2769.6	2766.4	2755.4	2769.6	2785.4	2802.8	2824.9
32.5°	2883.3	2892.8	2870.7	2848.5	2834.3	2828.0	2839.1	2865.9	2889.6	2913.3
35°	3017.5	3023.8	3003.3	2962.2	2937.0	2937.0	2946.4	2981.2	3019.1	3049.1
37.5°	3207.0	3214.9	3178.6	3129.6	3091.7	3091.7	3104.3	3140.7	3197.5	3240.1
40°	3437.5	3448.6	3402.8	3352.3	3315.9	3309.6	3325.4	3366.5	3420.2	3473.8
42.5°	3715.4	3728.1	3668.1	3623.8	3595.4	3595.4	3603.3	3641.2	3690.2	3756.5
45°	4070.7	4092.8	4010.7	3966.5	3939.6	3946.0	3950.7	3983.9	4028.1	4103.9
47.5°	4493.9	4516.0	4429.1	4383.4	4378.6	4408.6	4389.7	4413.4	4437.0	4523.9
50°	4973.9	5011.8	4951.8	4948.6	4958.1	5013.4	4969.2	4981.8	4955.0	5010.2
52.5°	5561.3	5616.6	5605.5	5624.5	5730.3	5843.9	5742.9	5698.7	5597.6	5615.0
55°	6273.4	6357.1	6372.9	6486.6	6726.6	6958.7	6744.0	6565.6	6350.8	6311.3
57.5°	7083.5	7149.8	7225.6	7457.7	7906.1	8318.3	7906.1	7511.4	7173.5	7092.9
60°	7955.1	8037.2	8109.8	8452.5	9118.8	9698.3	9106.2	8479.3	8032.5	7923.5
62.5°	8891.4	8997.2	9047.8	9428.3	10205.2	10896.8	10216.2	9456.7	8960.9	8844.1
65°	9789.9	9876.8	9933.6	10339.4	11081.5	11774.7	11132.1	10383.6	9873.6	9720.4
67.5°	10208.4	10255.7	10394.7	10854.2	11637.4	12428.5	11770.0	10903.1	10333.1	10064.7
70°	9595.7	9499.4	9834.1	10569.9	11703.7	12829.5	11855.3	10547.8	9849.9	9414.1
72.5°	7415.1	7249.3	7830.3	9088.8	10945.8	12573.7	11021.5	9159.9	8191.9	7307.7
75°	4034.4	3846.5	4648.6	6240.3	8728.8	10898.4	8929.3	6418.7	5176.0	4004.4
77.5°	1138.5	1067.4	1714.8	3019.1	5250.2	7651.9	5452.3	3085.4	2033.8	1206.4
80°	349.0	337.9	457.9	909.5	2229.6	3664.9	2142.7	920.6	582.7	367.9
82.5°	206.9	189.5	227.4	331.6	568.4	1151.1	552.7	345.8	277.9	186.3
85°	118.4	110.5	134.2	161.1	191.1	244.7	159.5	164.2	148.4	99.5
87.5°	48.9	44.2	52.1	50.5	44.2	56.8	42.6	50.5	60.0	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2771.2
2761.7
2727.0
2689.1
2671.7
2671.7
2682.8
2703.3
2723.8
2733.3
2742.8
2766.4
2820.1
2903.8
3038.0
3224.4
3456.5
3751.7
4100.7
4498.6
4977.1
5556.6
6249.8
7036.1
7828.8
8749.3
9644.6
10067.8
9518.3
7527.2
4264.9
1340.6
388.4
202.1
104.2
36.3
0.0

OF REPORT)