

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: P850531

Luminaire Tested: **GLAN-SB8A-830-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850531  
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-830-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31504 lumens  
Efficiency: N/A  
Efficacy: 138.7 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

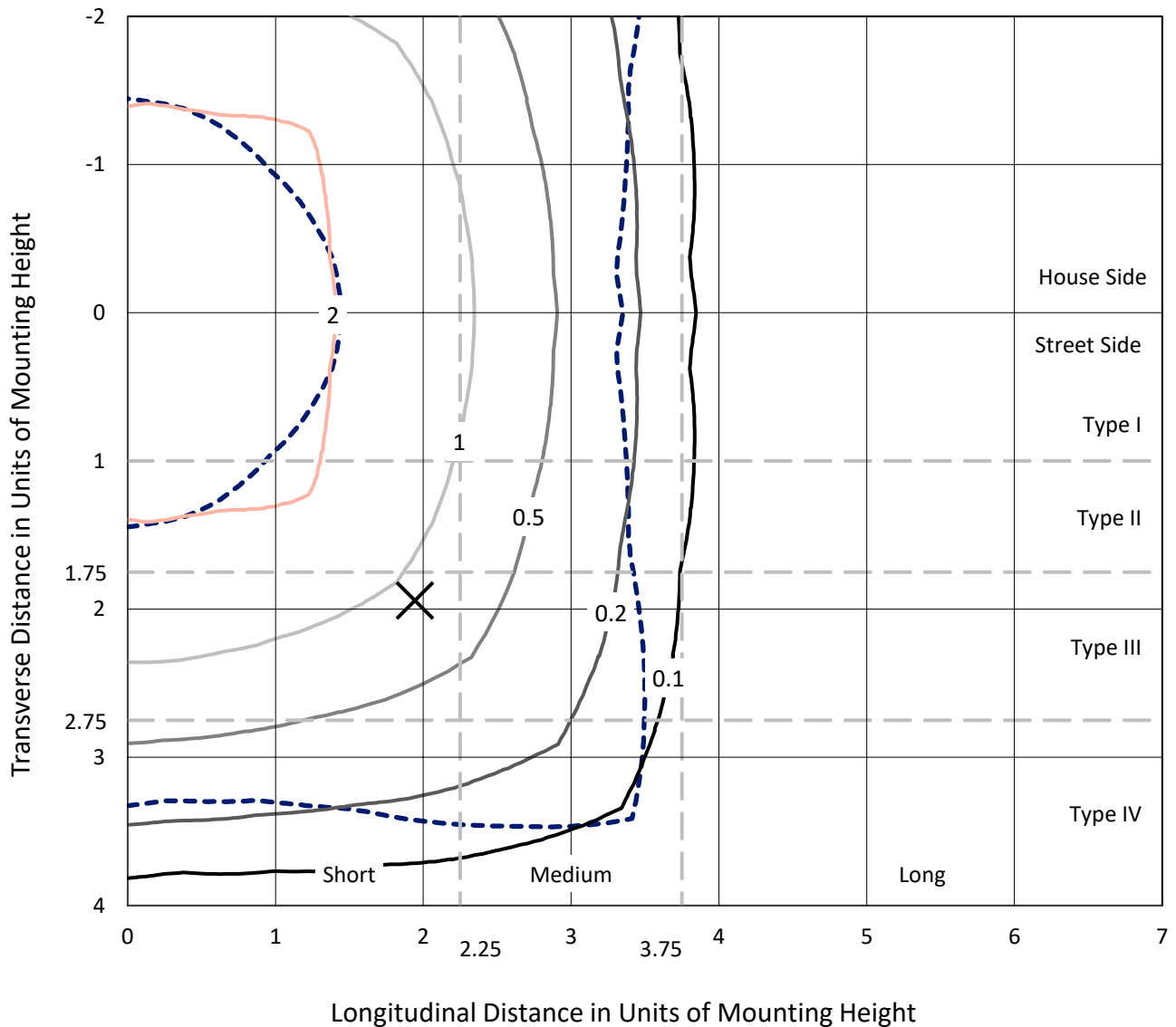
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P850531  
 CATALOG NUMBER: GLAN-SB8A-830-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

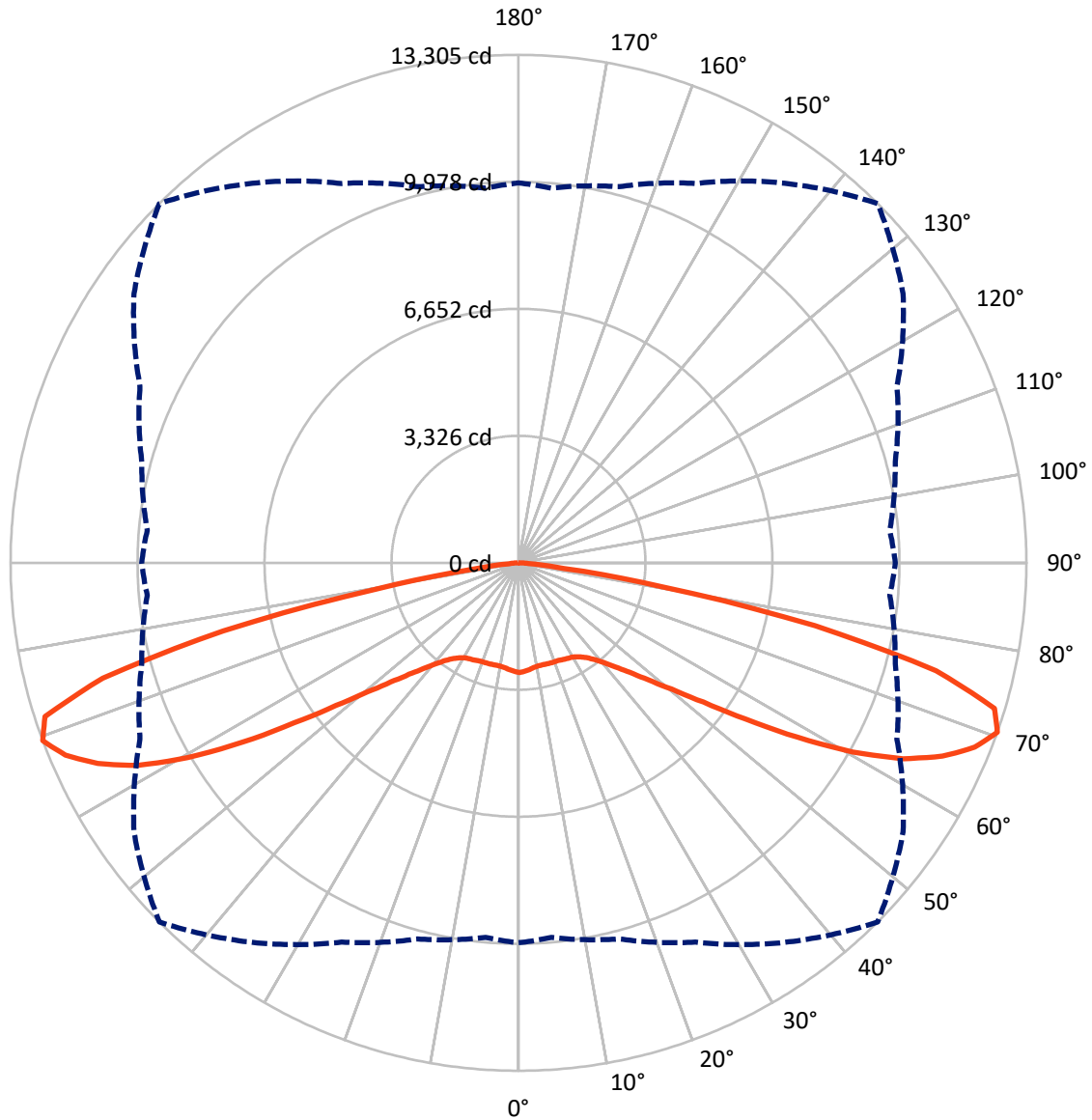
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

REPORT NUMBER: P850531  
CATALOG NUMBER: GLAN-SB8A-830-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P850531  
 CATALOG NUMBER: GLAN-SB8A-830-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15752.0	0.0	15752.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15752.0	0.0	15752.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	31504.0	0.0	31504.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.3	0.8
10°-20°	785.0	2.5
20°-30°	1306.3	4.1
30°-40°	1975.5	6.3
40°-50°	3282.8	10.4
50°-60°	6194.5	19.7
60°-70°	10459.6	33.2
70°-80°	6873.1	21.8
80°-90°	360.1	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°	31504.0	100.0
0°-180°	31504.0	100.0

**Coefficient of Utilization**

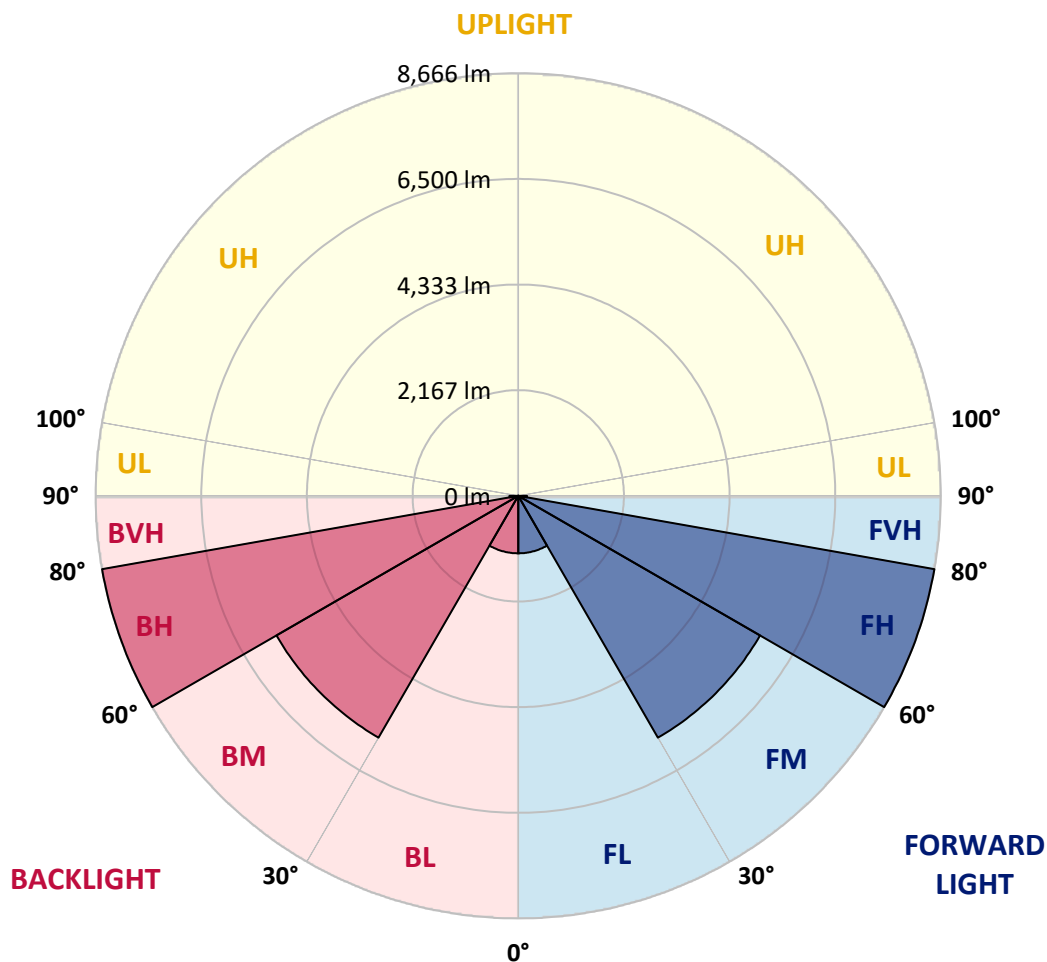


REPORT NUMBER: P850531  
 CATALOG NUMBER: GLAN-SB8A-830-U-5WQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1179.3	3.7			
FM (30°-60°)	5726.4	18.2			
FH (60°-80°)	8666.3	27.5			G4/12000
FVH (80°-90°)	180.0	0.6			G2/225
BL (0°-30°)	1179.3	3.7	B3/2500		
BM (30°-60°)	5726.4	18.2	B4/8500		
BH (60°-80°)	8666.3	27.5	B5		G4/12000
BVH (80°-90°)	180.0	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



REPORT NUMBER: P850531  
 CATALOG NUMBER: GLAN-SB8A-830-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2873.8	2873.8	2873.8	2873.8	2873.8	2873.8	2873.8	2873.8	2873.8	2873.8
2.5°	2855.8	2864.0	2860.7	2854.1	2854.1	2849.2	2854.1	2857.4	2862.3	2865.6
5°	2818.1	2824.7	2823.0	2818.1	2819.8	2814.8	2818.1	2823.0	2826.3	2827.9
7.5°	2785.4	2791.9	2788.6	2780.5	2780.5	2775.5	2777.2	2782.1	2787.0	2788.6
10°	2777.2	2783.7	2773.9	2760.8	2755.9	2749.3	2751.0	2755.9	2765.7	2770.6
12.5°	2780.5	2785.4	2775.5	2755.9	2751.0	2744.4	2744.4	2749.3	2762.4	2769.0
15°	2790.3	2795.2	2780.5	2759.2	2754.3	2749.3	2747.7	2754.3	2769.0	2780.5
17.5°	2808.3	2813.2	2790.3	2760.8	2754.3	2755.9	2754.3	2759.2	2782.1	2803.4
20°	2824.7	2827.9	2796.8	2760.8	2754.3	2755.9	2754.3	2764.1	2793.6	2823.0
22.5°	2829.6	2832.9	2803.4	2772.3	2767.4	2769.0	2767.4	2777.2	2805.0	2834.5
25°	2831.2	2836.1	2813.2	2788.6	2796.8	2800.1	2796.8	2798.5	2819.8	2846.0
27.5°	2855.8	2862.3	2841.0	2819.8	2824.7	2823.0	2827.9	2832.9	2849.2	2875.4
30°	2906.5	2911.5	2893.4	2872.2	2868.9	2857.4	2872.2	2888.5	2906.5	2929.5
32.5°	2990.1	2999.9	2977.0	2954.0	2939.3	2932.7	2944.2	2972.0	2996.6	3021.2
35°	3129.2	3135.8	3114.5	3071.9	3045.7	3045.7	3055.6	3091.6	3130.9	3162.0
37.5°	3325.7	3333.9	3296.3	3245.5	3206.2	3206.2	3219.3	3257.0	3315.9	3360.1
40°	3564.8	3576.3	3528.8	3476.4	3438.7	3432.2	3448.6	3491.1	3546.8	3602.5
42.5°	3853.0	3866.1	3803.9	3758.0	3728.6	3728.6	3736.8	3776.1	3826.8	3895.6
45°	4221.5	4244.4	4159.2	4113.4	4085.5	4092.1	4097.0	4131.4	4177.2	4255.8
47.5°	4660.3	4683.2	4593.2	4545.7	4540.8	4571.9	4552.2	4576.8	4601.4	4691.4
50°	5158.1	5197.4	5135.2	5131.9	5141.7	5199.0	5153.2	5166.3	5138.5	5195.8
52.5°	5767.2	5824.6	5813.1	5832.7	5942.5	6060.4	5955.6	5909.7	5804.9	5822.9
55°	6505.8	6592.5	6608.9	6726.8	6975.7	7216.4	6993.7	6808.7	6586.0	6545.1
57.5°	7345.8	7414.6	7493.2	7733.9	8198.9	8626.3	8198.9	7789.6	7439.1	7355.6
60°	8249.7	8334.8	8410.2	8765.5	9456.5	10057.5	9443.4	8793.3	8329.9	8216.9
62.5°	9220.7	9330.4	9382.8	9777.5	10583.1	11300.3	10594.6	9806.9	9292.8	9171.6
65°	10152.5	10242.5	10301.5	10722.3	11491.9	12210.8	11544.3	10768.1	10239.2	10080.4
67.5°	10586.4	10635.5	10779.6	11256.1	12068.3	12888.7	12205.9	11306.9	10715.8	10437.4
70°	9951.0	9851.2	10198.3	10961.4	12137.1	13304.6	12294.3	10938.4	10214.7	9762.7
72.5°	7689.7	7517.7	8120.3	9425.4	11351.1	13039.4	11429.7	9499.1	8495.3	7578.3
75°	4183.8	3988.9	4820.8	6471.4	9052.1	11302.0	9260.0	6656.4	5367.7	4152.7
77.5°	1180.6	1106.9	1778.3	3130.9	5444.7	7935.3	5654.3	3199.7	2109.1	1251.0
80°	361.9	350.4	474.9	943.2	2312.1	3800.6	2222.1	954.7	604.2	381.5
82.5°	214.5	196.5	235.8	343.9	589.5	1193.7	573.1	358.6	288.2	193.2
85°	122.8	114.6	139.2	167.0	198.1	253.8	165.4	170.3	153.9	103.2
87.5°	50.8	45.8	54.0	52.4	45.8	58.9	44.2	52.4	62.2	40.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2873.8
2864.0
2827.9
2788.6
2770.6
2770.6
2782.1
2803.4
2824.7
2834.5
2844.3
2868.9
2924.6
3011.3
3150.5
3343.8
3584.5
3890.7
4252.6
4665.2
5161.4
5762.3
6481.2
7296.7
8118.7
9073.3
10001.8
10440.7
9870.8
7805.9
4422.9
1390.2
402.8
209.6
108.1
37.7
0.0

OF REPORT)