

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: P851131

Luminaire Tested: **GLAN-SB9A-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851131  
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-SB9A-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32318 lumens  
Efficiency: N/A  
Efficacy: 126.5 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

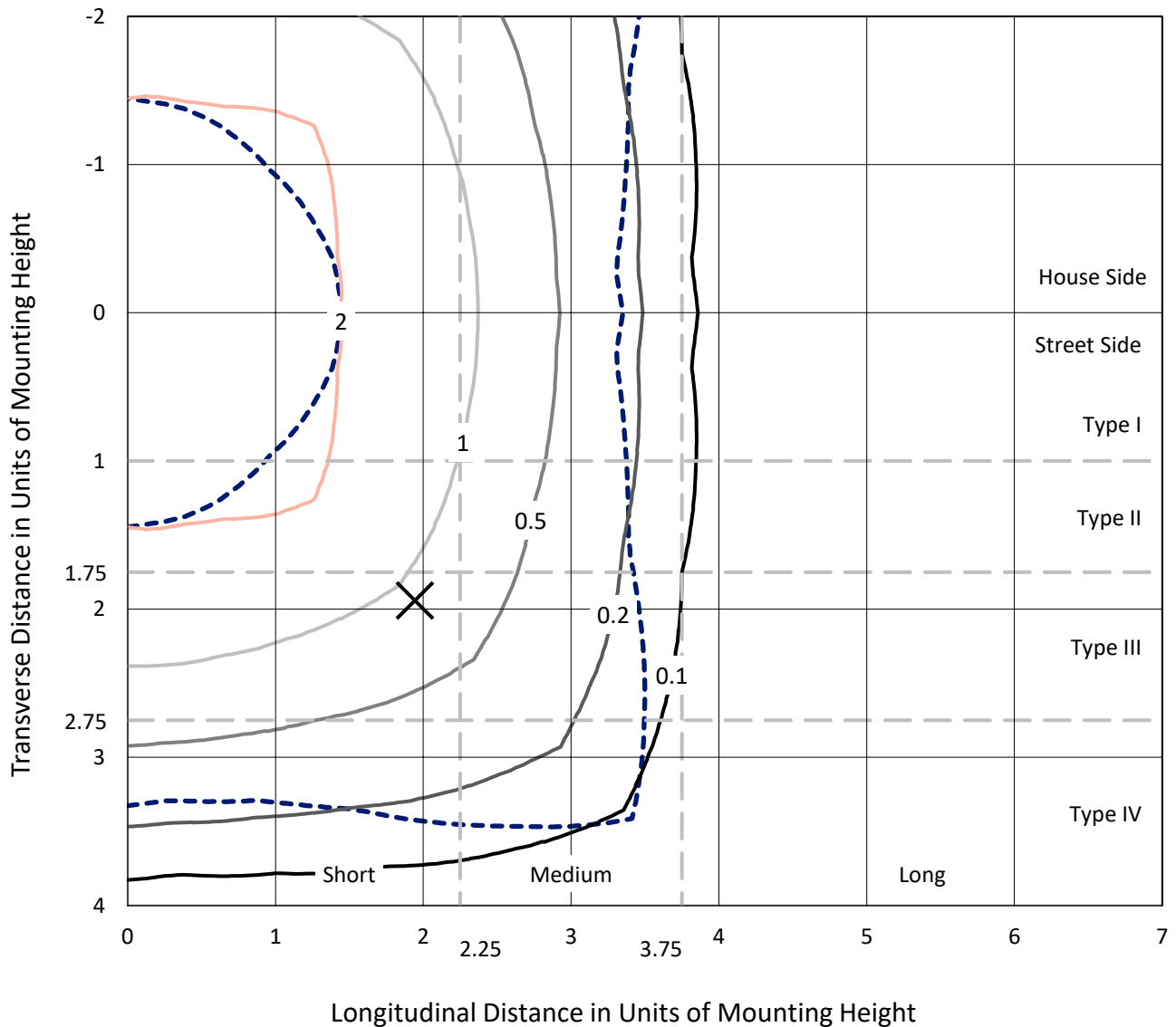
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851131  
 CATALOG NUMBER: GLAN-SB9A-722-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

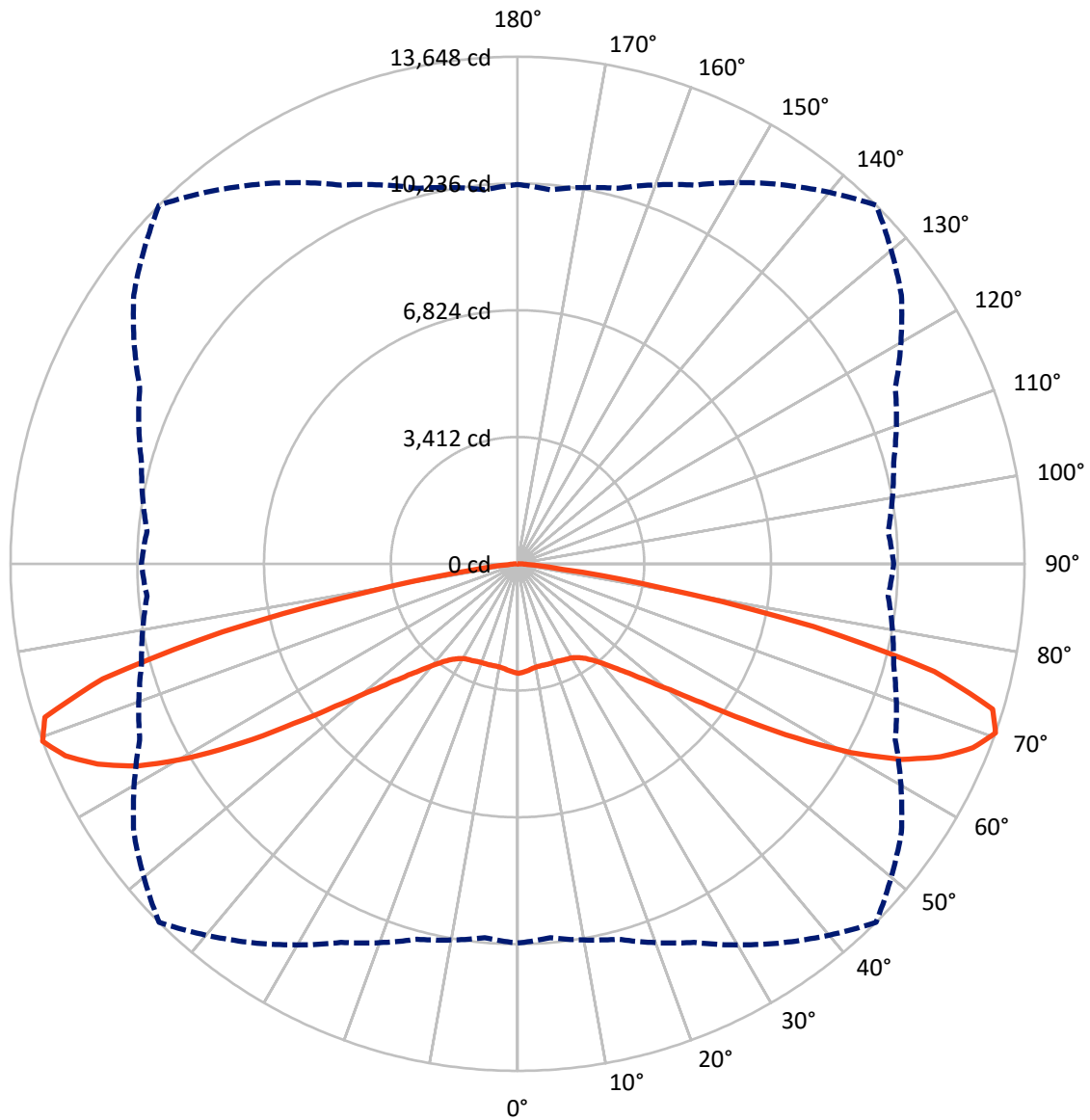
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P851131  
CATALOG NUMBER: GLAN-SB9A-722-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P851131  
 CATALOG NUMBER: GLAN-SB9A-722-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16159.0	0.0	16159.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16159.0	0.0	16159.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32318.0	0.0	32318.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.2	0.8
10°-20°	805.2	2.5
20°-30°	1340.0	4.1
30°-40°	2026.5	6.3
40°-50°	3367.6	10.4
50°-60°	6354.5	19.7
60°-70°	10729.9	33.2
70°-80°	7050.6	21.8
80°-90°	369.4	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°	32318.0	100.0
0°-180°	32318.0	100.0

**Coefficient of Utilization**

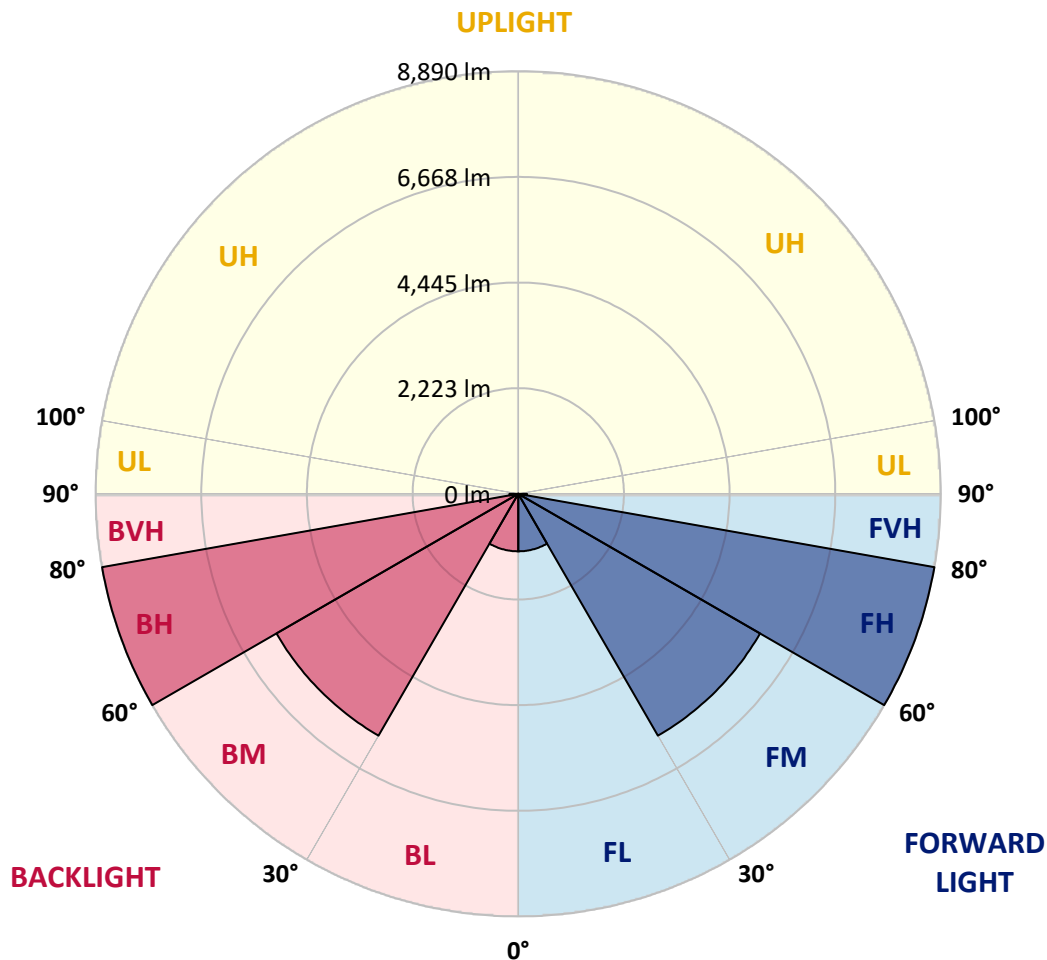


REPORT NUMBER: P851131  
 CATALOG NUMBER: GLAN-SB9A-722-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1209.7	3.7			
FM (30°-60°)	5874.3	18.2			
FH (60°-80°)	8890.2	27.5			G4/12000
FVH (80°-90°)	184.7	0.6			G2/225
BL (0°-30°)	1209.7	3.7	B3/2500		
BM (30°-60°)	5874.3	18.2	B4/8500		
BH (60°-80°)	8890.2	27.5	B5		G4/12000
BVH (80°-90°)	184.7	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: P851131  
 CATALOG NUMBER: GLAN-SB9A-722-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1	2948.1
2.5°	2929.6	2938.0	2934.6	2927.9	2927.9	2922.9	2927.9	2931.3	2936.3	2939.7
5°	2890.9	2897.7	2896.0	2890.9	2892.6	2887.6	2890.9	2896.0	2899.3	2901.0
7.5°	2857.3	2864.1	2860.7	2852.3	2852.3	2847.3	2848.9	2854.0	2859.0	2860.7
10°	2848.9	2855.7	2845.6	2832.1	2827.1	2820.4	2822.1	2827.1	2837.2	2842.2
12.5°	2852.3	2857.3	2847.3	2827.1	2822.1	2815.3	2815.3	2820.4	2833.8	2840.5
15°	2862.4	2867.4	2852.3	2830.5	2825.4	2820.4	2818.7	2825.4	2840.5	2852.3
17.5°	2880.9	2885.9	2862.4	2832.1	2825.4	2827.1	2825.4	2830.5	2854.0	2875.8
20°	2897.7	2901.0	2869.1	2832.1	2825.4	2827.1	2825.4	2835.5	2865.7	2896.0
22.5°	2902.7	2906.1	2875.8	2843.9	2838.9	2840.5	2838.9	2848.9	2877.5	2907.7
25°	2904.4	2909.4	2885.9	2860.7	2869.1	2872.5	2869.1	2870.8	2892.6	2919.5
27.5°	2929.6	2936.3	2914.5	2892.6	2897.7	2896.0	2901.0	2906.1	2922.9	2949.7
30°	2981.6	2986.7	2968.2	2946.4	2943.0	2931.3	2946.4	2963.2	2981.6	3005.2
32.5°	3067.3	3077.4	3053.9	3030.4	3015.2	3008.5	3020.3	3048.8	3074.0	3099.2
35°	3210.1	3216.8	3195.0	3151.3	3124.4	3124.4	3134.5	3171.5	3211.8	3243.7
37.5°	3411.7	3420.1	3381.4	3329.4	3289.1	3289.1	3302.5	3341.1	3401.6	3447.0
40°	3656.9	3668.7	3620.0	3566.2	3527.6	3520.9	3537.7	3581.3	3638.5	3695.6
42.5°	3952.6	3966.0	3902.2	3855.1	3824.9	3824.9	3833.3	3873.6	3925.7	3996.2
45°	4330.5	4354.0	4266.7	4219.7	4191.1	4197.8	4202.9	4238.1	4285.2	4365.8
47.5°	4780.7	4804.2	4711.8	4663.1	4658.1	4690.0	4669.8	4695.0	4720.2	4812.6
50°	5291.4	5331.7	5267.9	5264.5	5274.6	5333.4	5286.3	5299.8	5271.2	5330.0
52.5°	5916.3	5975.1	5963.3	5983.5	6096.0	6216.9	6109.4	6062.4	5954.9	5973.4
55°	6673.9	6762.9	6779.7	6900.6	7156.0	7402.9	7174.4	6984.6	6756.2	6714.2
57.5°	7535.6	7606.1	7686.8	7933.7	8410.8	8849.2	8410.8	7990.8	7631.3	7545.7
60°	8462.8	8550.2	8627.5	8992.0	9700.9	10317.3	9687.4	9020.5	8545.2	8429.2
62.5°	9459.0	9571.5	9625.3	10030.1	10856.6	11592.3	10868.3	10060.3	9532.9	9408.6
65°	10414.8	10507.2	10567.6	10999.3	11788.8	12526.3	11842.6	11046.4	10503.8	10340.9
67.5°	10859.9	10910.3	11058.1	11547.0	12380.1	13221.7	12521.2	11599.0	10992.6	10707.1
70°	10208.2	10105.7	10461.8	11244.6	12450.7	13648.4	12612.0	11221.1	10478.6	10015.0
72.5°	7888.3	7712.0	8330.1	9668.9	11644.4	13376.3	11725.0	9744.5	8714.8	7774.1
75°	4291.9	4092.0	4945.3	6638.6	9285.9	11594.0	9499.3	6828.4	5506.4	4260.0
77.5°	1211.1	1135.5	1824.3	3211.8	5585.3	8140.3	5800.4	3282.3	2163.6	1283.4
80°	371.2	359.5	487.1	967.6	2371.9	3898.8	2279.5	979.3	619.8	391.4
82.5°	220.1	201.6	241.9	352.8	604.7	1224.6	587.9	367.9	295.6	198.2
85°	126.0	117.6	142.8	171.3	203.3	260.4	169.7	174.7	157.9	105.8
87.5°	52.1	47.0	55.4	53.8	47.0	60.5	45.4	53.8	63.8	42.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2948.1
2938.0
2901.0
2860.7
2842.2
2842.2
2854.0
2875.8
2897.7
2907.7
2917.8
2943.0
3000.1
3089.2
3231.9
3430.2
3677.1
3991.2
4362.4
4785.8
5294.7
5911.2
6648.7
7485.2
8328.5
9307.8
10260.2
10710.4
10125.8
8007.6
4537.1
1426.2
413.2
215.0
110.9
38.6
0.0

OF REPORT)