

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: P848241

Luminaire Tested: **GLAN-SB4D-722-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848241  
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-SB4D-722-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32259 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

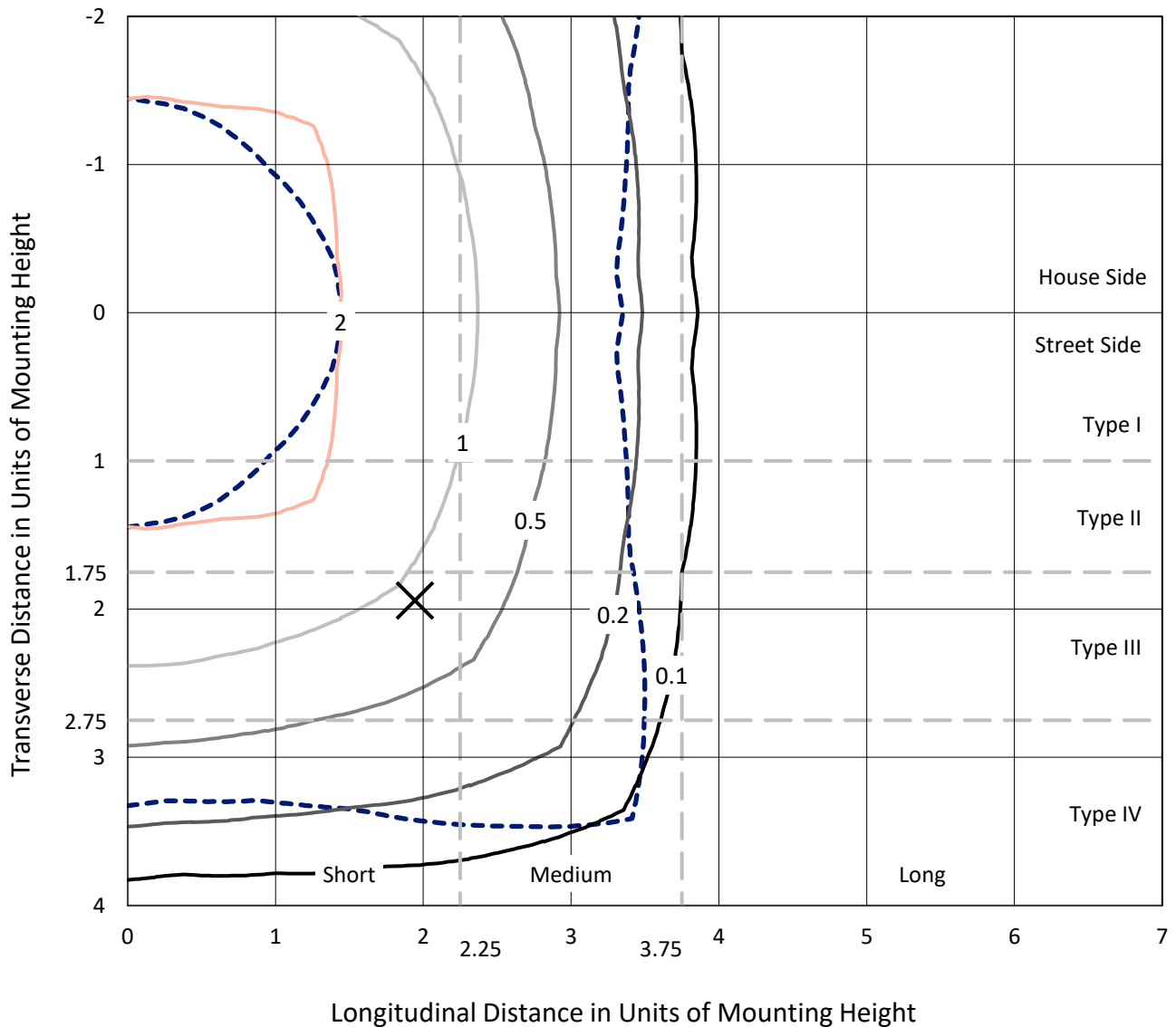
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

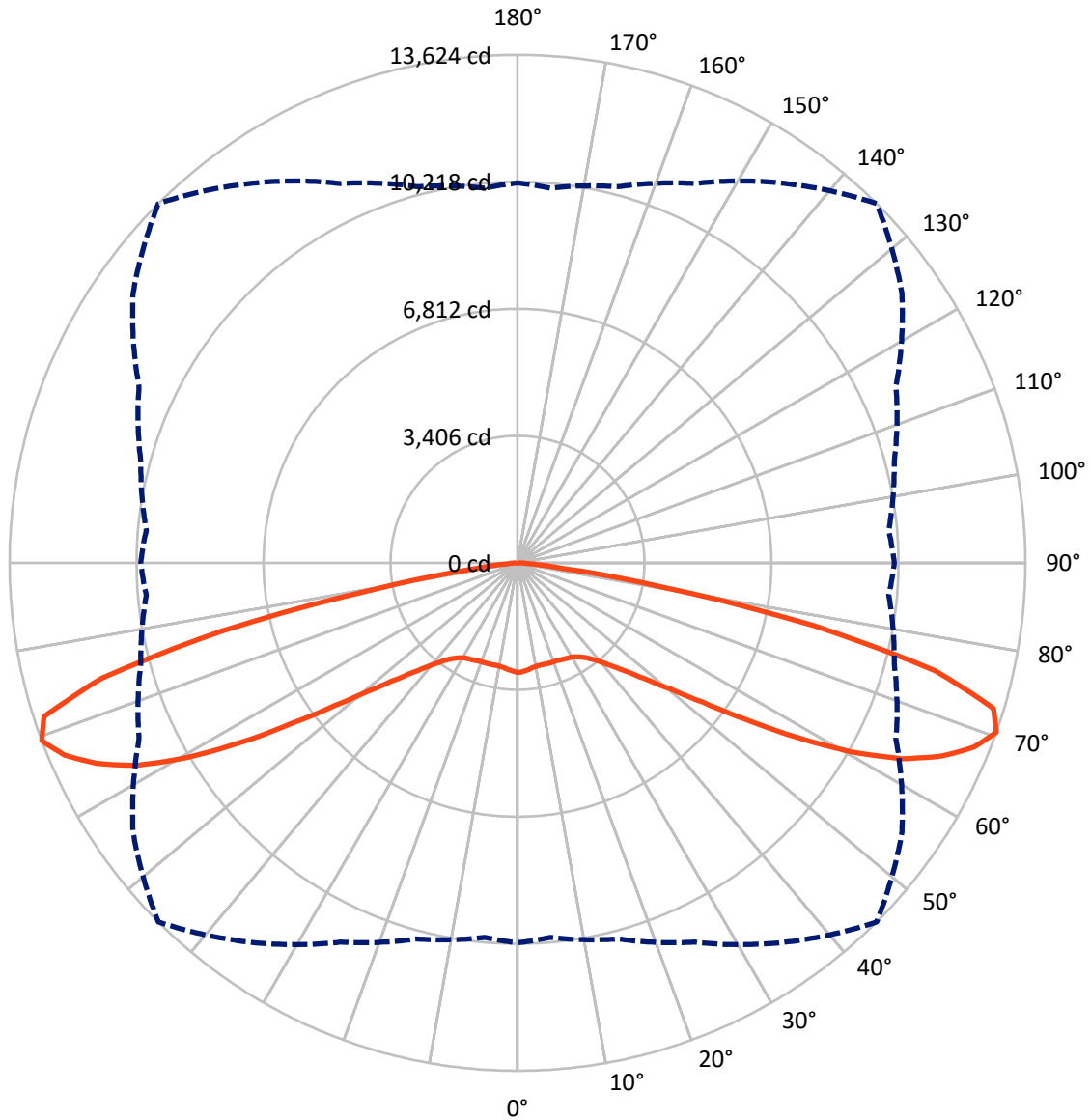
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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
<b>House Side</b>	Lumens	16129.5	0.0	16129.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16129.5	0.0	16129.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32259.0	0.0	32259.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.7	0.8
10°-20°	803.8	2.5
20°-30°	1337.6	4.1
30°-40°	2022.8	6.3
40°-50°	3361.4	10.4
50°-60°	6342.9	19.7
60°-70°	10710.3	33.2
70°-80°	7037.8	21.8
80°-90°	368.7	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°	32259.0	100.0
0°-180°	32259.0	100.0

**Coefficient of Utilization**

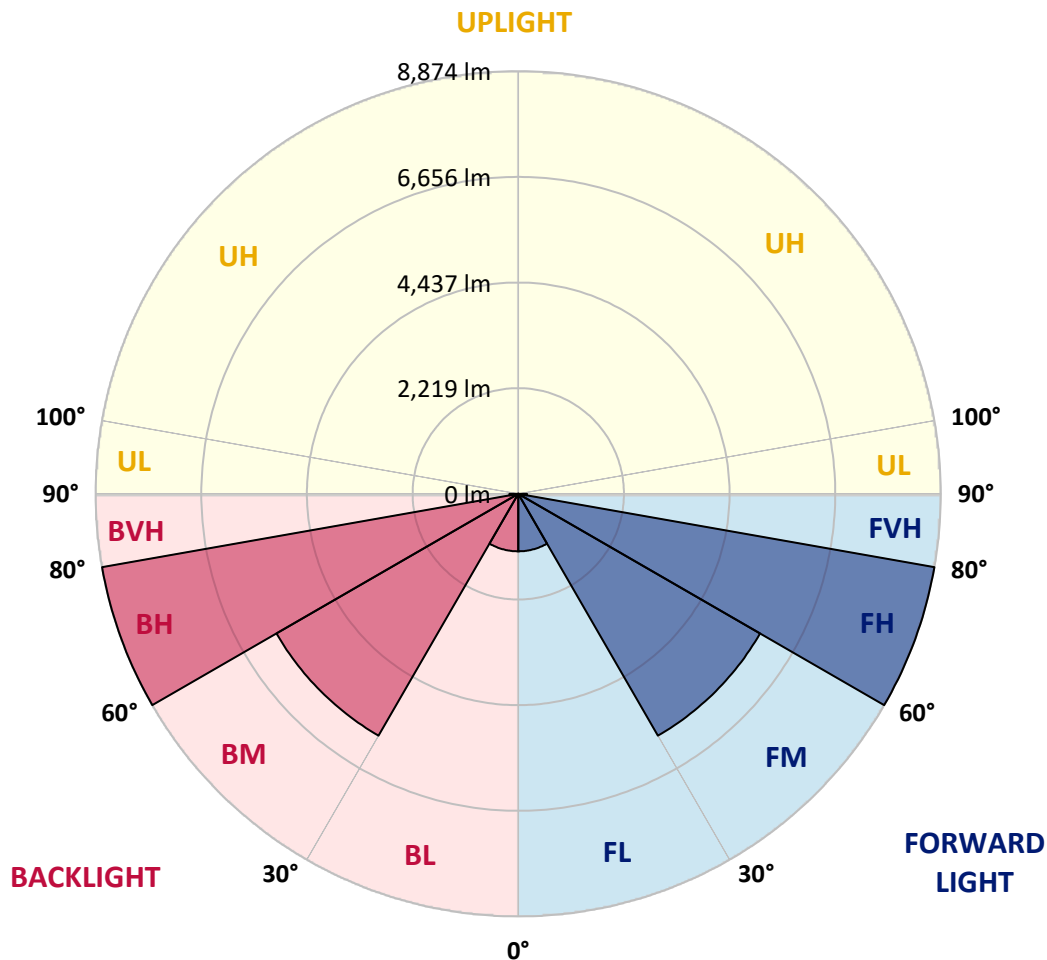


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1207.5	3.7			
FM (30°-60°)	5863.6	18.2			
FH (60°-80°)	8874.0	27.5			G4/12000
FVH (80°-90°)	184.4	0.6			G2/225
BL (0°-30°)	1207.5	3.7	B3/2500		
BM (30°-60°)	5863.6	18.2	B4/8500		
BH (60°-80°)	8874.0	27.5	B5		G4/12000
BVH (80°-90°)	184.4	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°	2942.7	2942.7	2942.7	2942.7	2942.7	2942.7	2942.7	2942.7	2942.7	2942.7
2.5°	2924.2	2932.6	2929.3	2922.5	2922.5	2917.5	2922.5	2925.9	2930.9	2934.3
5°	2885.7	2892.4	2890.7	2885.7	2887.3	2882.3	2885.7	2890.7	2894.0	2895.7
7.5°	2852.1	2858.8	2855.5	2847.1	2847.1	2842.1	2843.7	2848.8	2853.8	2855.5
10°	2843.7	2850.4	2840.4	2827.0	2821.9	2815.2	2816.9	2821.9	2832.0	2837.0
12.5°	2847.1	2852.1	2842.1	2821.9	2816.9	2810.2	2810.2	2815.2	2828.7	2835.4
15°	2857.2	2862.2	2847.1	2825.3	2820.3	2815.2	2813.6	2820.3	2835.4	2847.1
17.5°	2875.6	2880.6	2857.2	2827.0	2820.3	2821.9	2820.3	2825.3	2848.8	2870.6
20°	2892.4	2895.7	2863.9	2827.0	2820.3	2821.9	2820.3	2830.3	2860.5	2890.7
22.5°	2897.4	2900.8	2870.6	2838.7	2833.7	2835.4	2833.7	2843.7	2872.2	2902.4
25°	2899.1	2904.1	2880.6	2855.5	2863.9	2867.2	2863.9	2865.5	2887.3	2914.2
27.5°	2924.2	2930.9	2909.1	2887.3	2892.4	2890.7	2895.7	2900.8	2917.5	2944.3
30°	2976.2	2981.2	2962.8	2941.0	2937.6	2925.9	2941.0	2957.8	2976.2	2999.7
32.5°	3061.7	3071.8	3048.3	3024.8	3009.7	3003.0	3014.8	3043.3	3068.4	3093.6
35°	3204.2	3210.9	3189.2	3145.6	3118.7	3118.7	3128.8	3165.7	3205.9	3237.8
37.5°	3405.4	3413.8	3375.3	3323.3	3283.0	3283.0	3296.5	3335.0	3395.4	3440.7
40°	3650.3	3662.0	3613.4	3559.7	3521.1	3514.4	3531.2	3574.8	3631.8	3688.8
42.5°	3945.4	3958.8	3895.1	3848.1	3817.9	3817.9	3826.3	3866.6	3918.5	3989.0
45°	4322.6	4346.1	4258.9	4212.0	4183.5	4190.2	4195.2	4230.4	4277.4	4357.8
47.5°	4772.0	4795.5	4703.2	4654.6	4649.6	4681.4	4661.3	4686.5	4711.6	4803.8
50°	5281.7	5322.0	5258.2	5254.9	5264.9	5323.6	5276.7	5290.1	5261.6	5320.3
52.5°	5905.5	5964.1	5952.4	5972.5	6084.9	6205.6	6098.3	6051.3	5944.0	5962.5
55°	6661.7	6750.5	6767.3	6888.0	7142.9	7389.4	7161.3	6971.9	6743.8	6701.9
57.5°	7521.8	7592.3	7672.7	7919.2	8395.4	8833.0	8395.4	7976.2	7617.4	7531.9
60°	8447.4	8534.6	8611.7	8975.6	9683.1	10298.5	9669.7	9004.1	8529.6	8413.9
62.5°	9441.7	9554.0	9607.7	10011.8	10836.7	11571.1	10848.5	10042.0	9515.5	9391.4
65°	10395.8	10488.0	10548.3	10979.3	11767.3	12503.4	11821.0	11026.2	10484.6	10322.0
67.5°	10840.1	10890.4	11037.9	11525.9	12357.5	13197.6	12498.4	11577.9	10972.6	10687.5
70°	10189.5	10087.2	10442.7	11224.1	12428.0	13623.5	12588.9	11200.6	10459.5	9996.7
72.5°	7873.9	7697.9	8314.9	9651.3	11623.1	13351.8	11703.6	9726.7	8698.9	7759.9
75°	4284.1	4084.5	4936.3	6626.5	9269.0	11572.8	9481.9	6815.9	5496.3	4252.2
77.5°	1208.9	1133.5	1820.9	3205.9	5575.1	8125.5	5789.8	3276.3	2159.6	1281.0
80°	370.6	358.8	486.3	965.8	2367.6	3891.7	2275.3	977.5	618.7	390.7
82.5°	219.7	201.2	241.4	352.1	603.6	1222.3	586.9	367.2	295.1	197.9
85°	125.8	117.4	142.5	171.0	202.9	259.9	169.4	174.4	157.6	105.6
87.5°	52.0	46.9	55.3	53.7	46.9	60.4	45.3	53.7	63.7	41.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2942.7
2932.6
2895.7
2855.5
2837.0
2837.0
2848.8
2870.6
2892.4
2902.4
2912.5
2937.6
2994.6
3083.5
3226.0
3423.9
3670.4
3983.9
4354.5
4777.0
5285.1
5900.4
6636.5
7471.5
8313.3
9290.8
10241.5
10690.9
10107.4
7993.0
4528.9
1423.5
412.5
214.6
110.7
38.6
0.0

OF REPORT)