

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: P849261

Luminaire Tested: **GLAN-SB6B-722-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849261
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-SB6B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27009 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

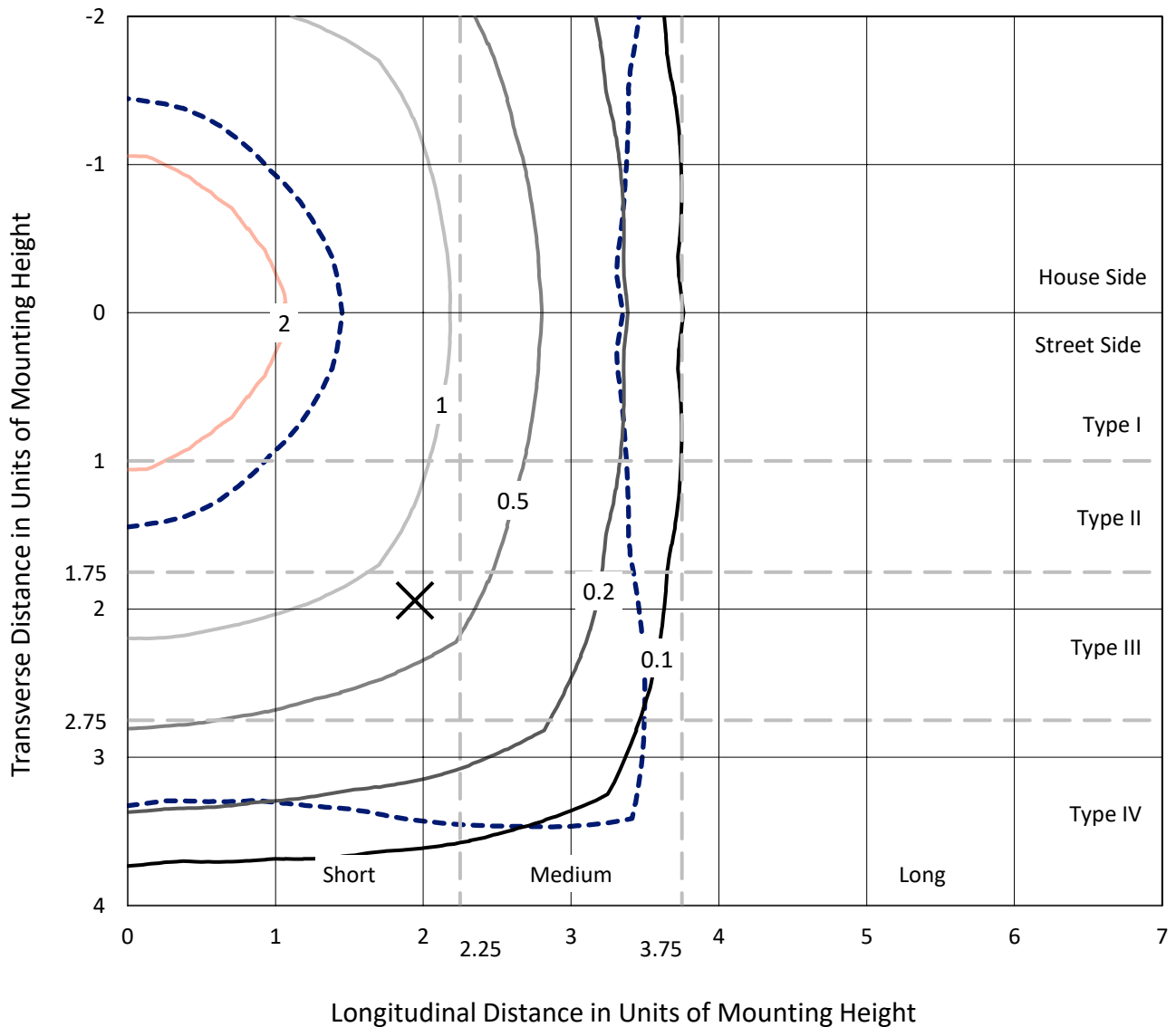
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

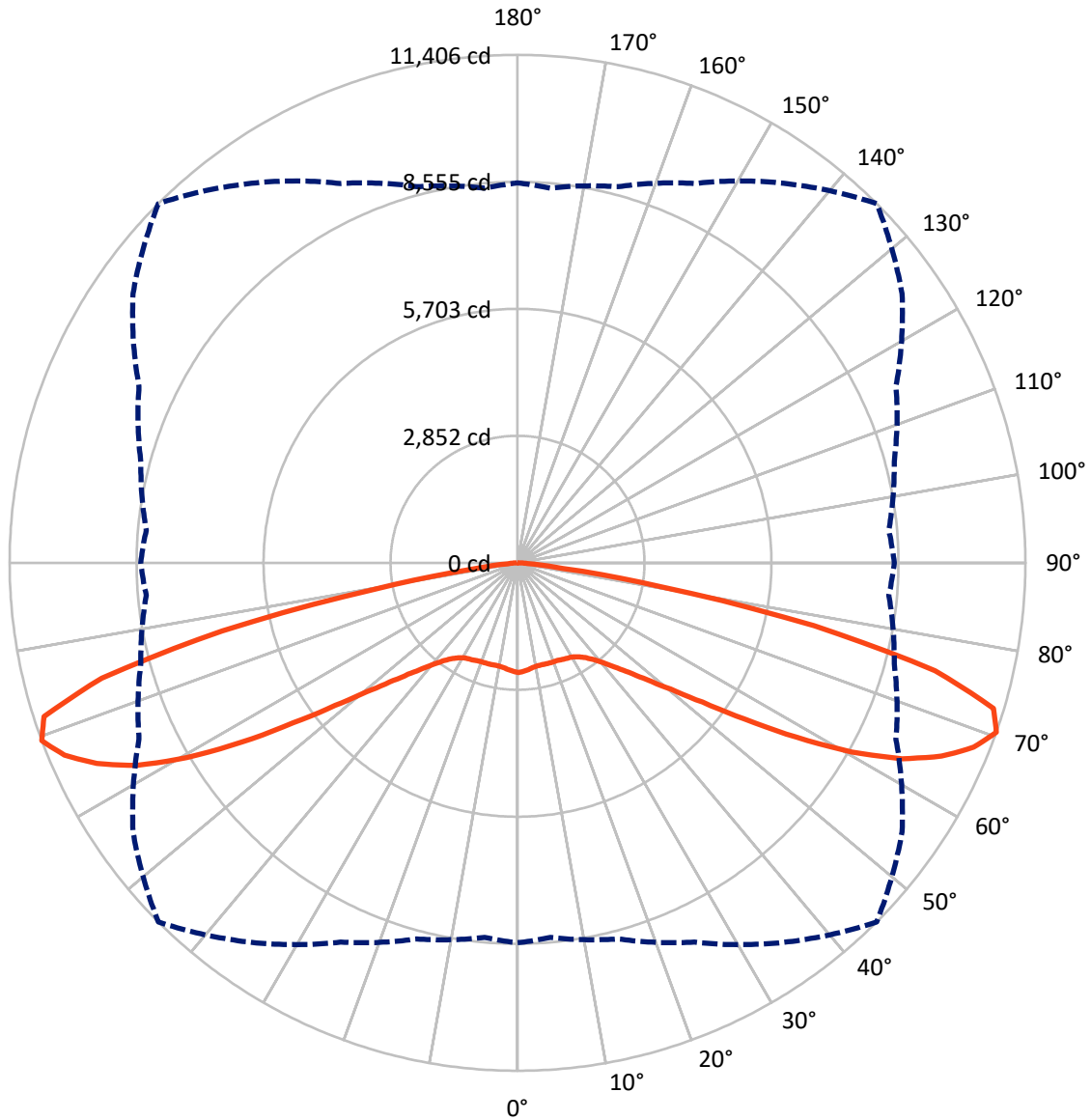
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	13504.5	0.0	13504.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13504.5	0.0	13504.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27009.0	0.0	27009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.2	0.8
10°-20°	673.0	2.5
20°-30°	1119.9	4.1
30°-40°	1693.6	6.3
40°-50°	2814.4	10.4
50°-60°	5310.6	19.7
60°-70°	8967.2	33.2
70°-80°	5892.4	21.8
80°-90°	308.7	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°	27009.0	100.0
0°-180°	27009.0	100.0

Coefficient of Utilization



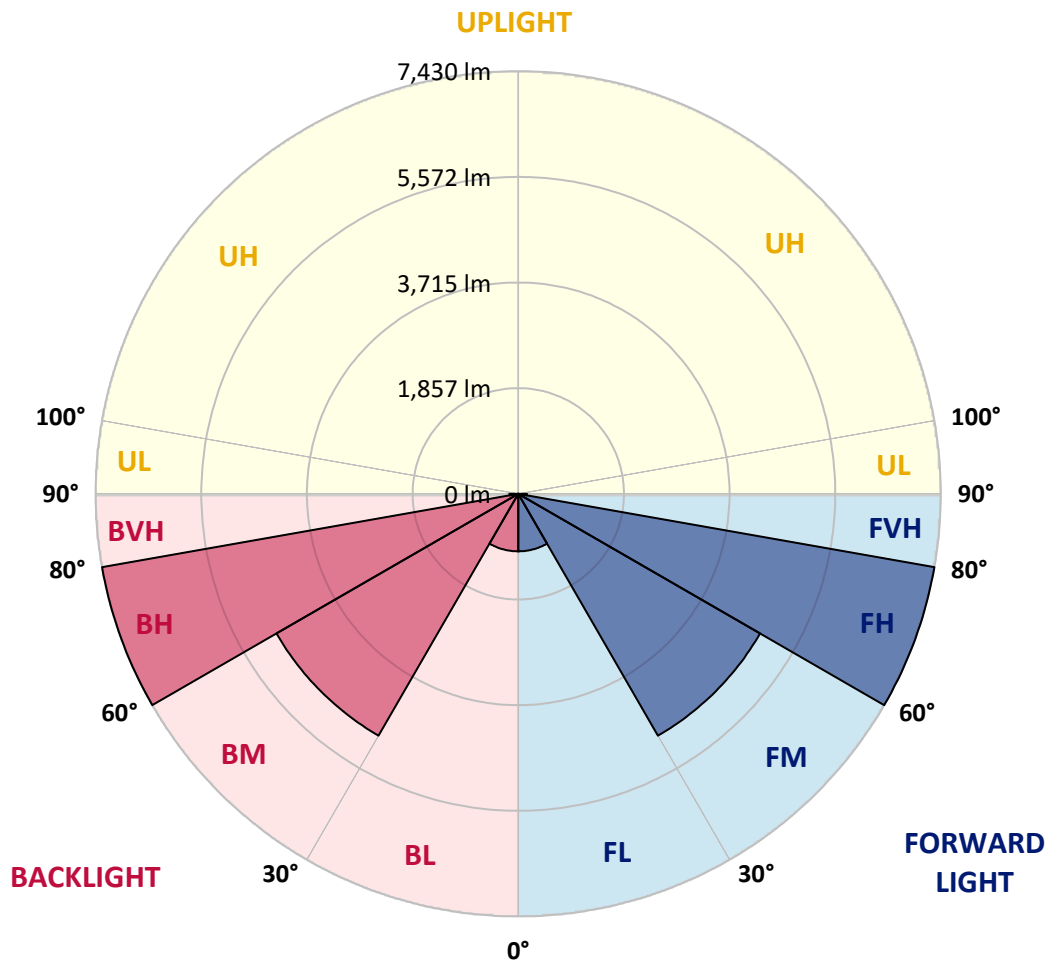
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1011.0	3.7			
FM (30°-60°)	4909.3	18.2			
FH (60°-80°)	7429.8	27.5			G3/7500
FVH (80°-90°)	154.3	0.6			G2/225
BL (0°-30°)	1011.0	3.7	B3/2500		
BM (30°-60°)	4909.3	18.2	B3/5000		
BH (60°-80°)	7429.8	27.5	B5		G3/7500
BVH (80°-90°)	154.3	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-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2463.8	2463.8	2463.8	2463.8	2463.8	2463.8	2463.8	2463.8	2463.8	2463.8
2.5°	2448.3	2455.3	2452.5	2446.9	2446.9	2442.7	2446.9	2449.7	2453.9	2456.7
5°	2416.0	2421.6	2420.2	2416.0	2417.4	2413.2	2416.0	2420.2	2423.1	2424.5
7.5°	2388.0	2393.6	2390.8	2383.7	2383.7	2379.5	2380.9	2385.1	2389.4	2390.8
10°	2380.9	2386.6	2378.1	2366.9	2362.7	2357.1	2358.5	2362.7	2371.1	2375.3
12.5°	2383.7	2388.0	2379.5	2362.7	2358.5	2352.9	2352.9	2357.1	2368.3	2373.9
15°	2392.2	2396.4	2383.7	2365.5	2361.3	2357.1	2355.7	2361.3	2373.9	2383.7
17.5°	2407.6	2411.8	2392.2	2366.9	2361.3	2362.7	2361.3	2365.5	2385.1	2403.4
20°	2421.6	2424.5	2397.8	2366.9	2361.3	2362.7	2361.3	2369.7	2395.0	2420.2
22.5°	2425.9	2428.7	2403.4	2376.7	2372.5	2373.9	2372.5	2380.9	2404.8	2430.1
25°	2427.3	2431.5	2411.8	2390.8	2397.8	2400.6	2397.8	2399.2	2417.4	2439.9
27.5°	2448.3	2453.9	2435.7	2417.4	2421.6	2420.2	2424.5	2428.7	2442.7	2465.2
30°	2491.8	2496.1	2480.6	2462.4	2459.6	2449.7	2462.4	2476.4	2491.8	2511.5
32.5°	2563.4	2571.9	2552.2	2532.6	2519.9	2514.3	2524.1	2548.0	2569.1	2590.1
35°	2682.8	2688.4	2670.1	2633.6	2611.2	2611.2	2619.6	2650.5	2684.2	2710.8
37.5°	2851.2	2858.2	2826.0	2782.4	2748.7	2748.7	2760.0	2792.3	2842.8	2880.7
40°	3056.2	3066.0	3025.3	2980.4	2948.1	2942.5	2956.5	2993.0	3040.7	3088.5
42.5°	3303.3	3314.5	3261.2	3221.8	3196.6	3196.6	3203.6	3237.3	3280.8	3339.8
45°	3619.1	3638.8	3565.8	3526.5	3502.6	3508.2	3512.4	3541.9	3581.2	3648.6
47.5°	3995.4	4015.0	3937.8	3897.1	3892.9	3919.6	3902.7	3923.8	3944.8	4022.0
50°	4422.1	4455.8	4402.5	4399.7	4408.1	4457.2	4417.9	4429.2	4405.3	4454.4
52.5°	4944.4	4993.5	4983.7	5000.5	5094.6	5195.7	5105.8	5066.5	4976.7	4992.1
55°	5577.5	5651.9	5666.0	5767.0	5980.4	6186.8	5995.9	5837.2	5646.3	5611.2
57.5°	6297.7	6356.7	6424.0	6630.4	7029.1	7395.5	7029.1	6678.1	6377.7	6306.1
60°	7072.6	7145.6	7210.2	7514.8	8107.3	8622.5	8096.0	7538.7	7141.4	7044.5
62.5°	7905.1	7999.2	8044.1	8382.4	9073.1	9688.0	9082.9	8407.7	7966.9	7863.0
65°	8703.9	8781.1	8831.6	9192.4	9852.3	10468.5	9897.2	9231.7	8778.3	8642.1
67.5°	9075.9	9118.0	9241.6	9650.1	10346.4	11049.7	10464.3	9693.6	9186.8	8948.2
70°	8531.2	8445.6	8743.2	9397.4	10405.4	11406.3	10540.1	9377.7	8757.2	8369.8
72.5°	6592.5	6445.1	6961.7	8080.6	9731.5	11178.9	9798.9	8143.8	7283.2	6497.0
75°	3586.8	3419.8	4132.9	5548.0	7760.5	9689.4	7938.8	5706.7	4601.8	3560.2
77.5°	1012.2	949.0	1524.6	2684.2	4667.8	6803.1	4847.5	2743.1	1808.2	1072.5
80°	310.3	300.4	407.1	808.6	1982.2	3258.3	1905.0	818.4	518.0	327.1
82.5°	183.9	168.5	202.2	294.8	505.4	1023.4	491.3	307.4	247.1	165.7
85°	105.3	98.3	119.3	143.2	169.9	217.6	141.8	146.0	132.0	88.4
87.5°	43.5	39.3	46.3	44.9	39.3	50.5	37.9	44.9	53.3	35.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2463.8
2455.3
2424.5
2390.8
2375.3
2375.3
2385.1
2403.4
2421.6
2430.1
2438.5
2459.6
2507.3
2581.7
2701.0
2866.7
3073.0
3335.6
3645.8
3999.6
4424.9
4940.2
5556.5
6255.6
6960.3
7778.8
8574.7
8951.0
8462.4
6692.2
3791.8
1191.9
345.3
179.7
92.7
32.3
0.0

OF REPORT)