

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: P849121

Luminaire Tested: **GLAN-SB6A-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849121
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-SB6A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 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: 27001 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

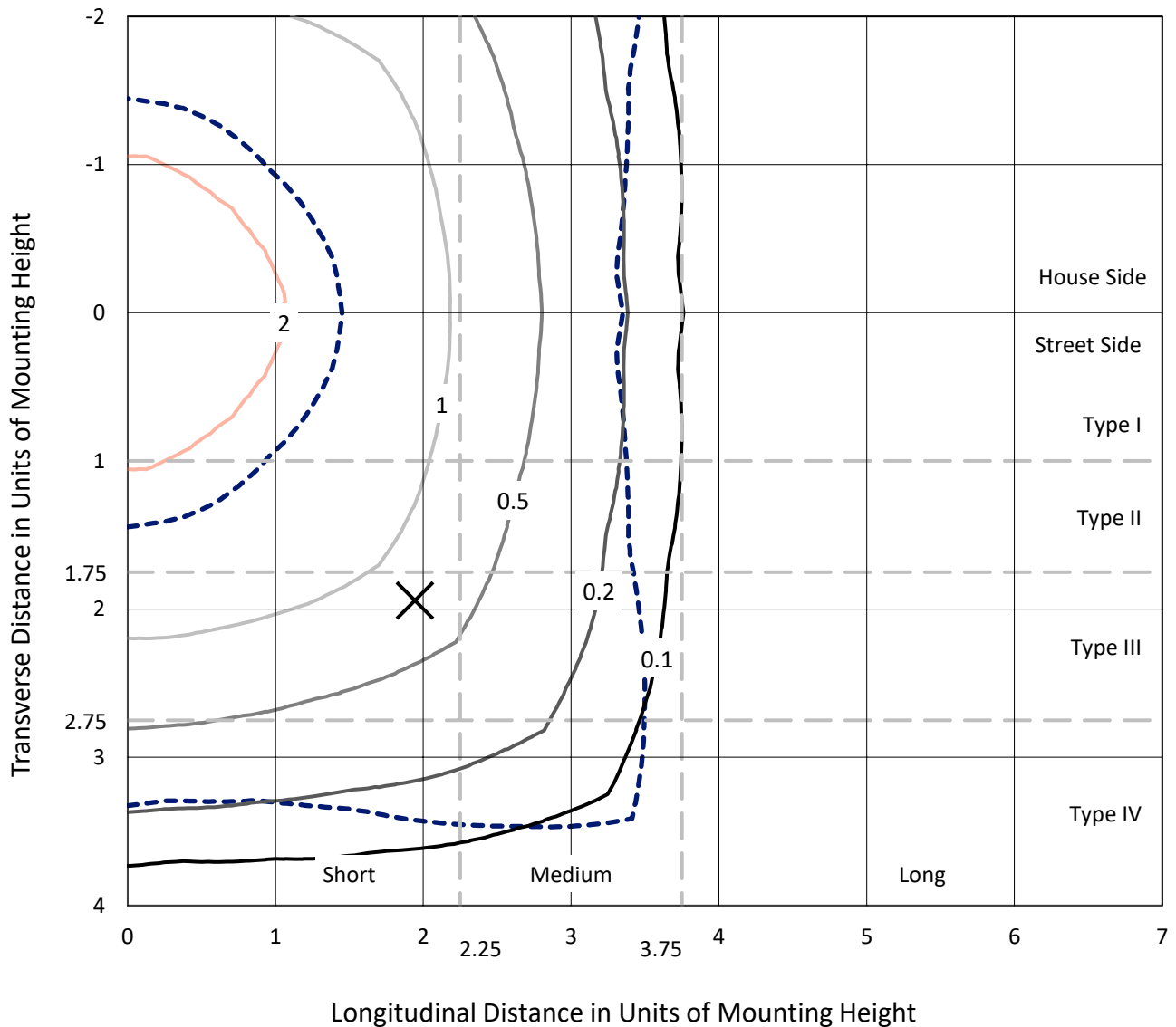
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

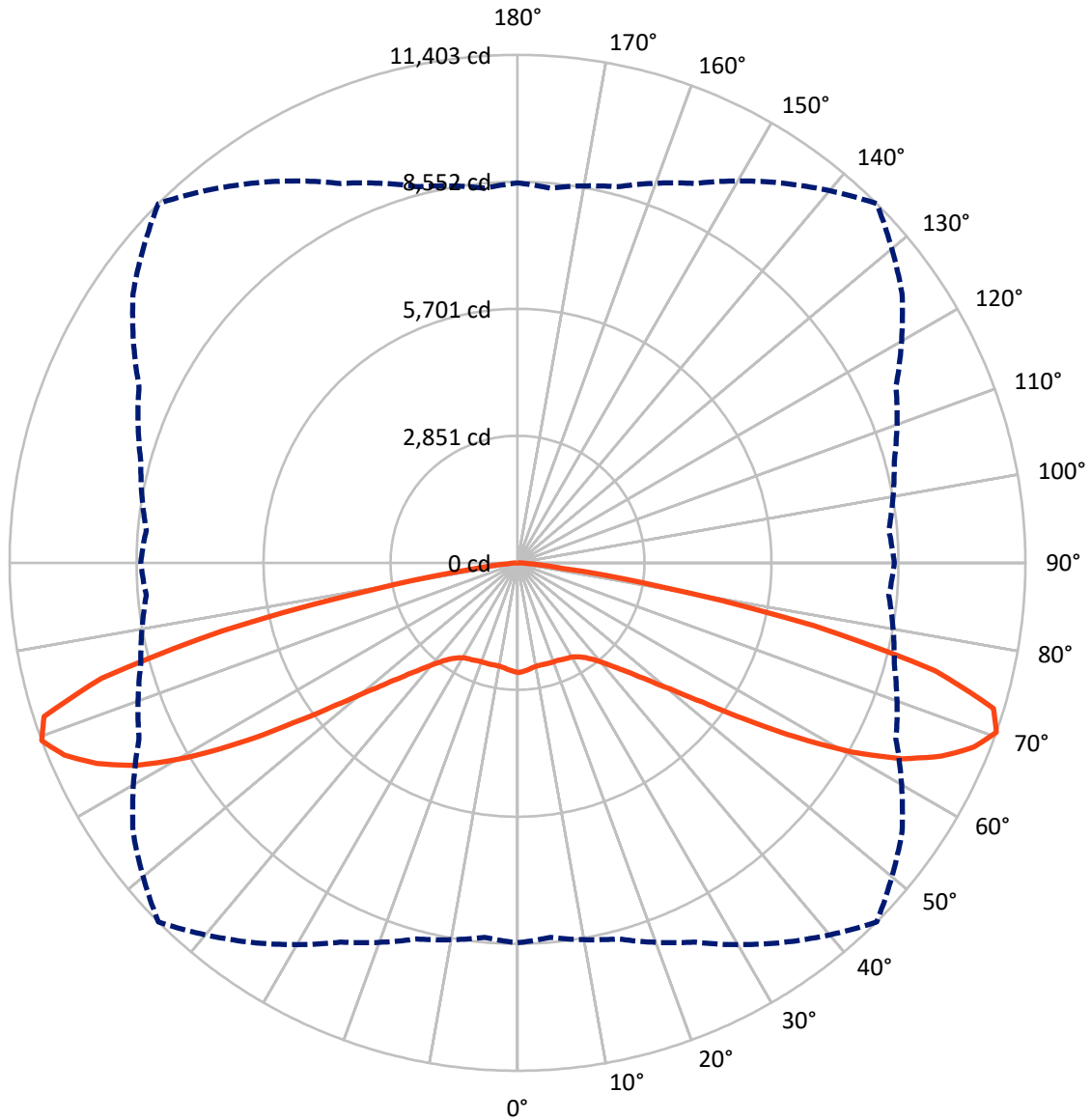
✕ Max cd
 - - - 1/2 Max cd



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	13500.5	0.0	13500.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13500.5	0.0	13500.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27001.0	0.0	27001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.1	0.8
10°-20°	672.8	2.5
20°-30°	1119.6	4.1
30°-40°	1693.1	6.3
40°-50°	2813.5	10.4
50°-60°	5309.1	19.7
60°-70°	8964.6	33.2
70°-80°	5890.7	21.8
80°-90°	308.6	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°	27001.0	100.0
0°-180°	27001.0	100.0

Coefficient of Utilization



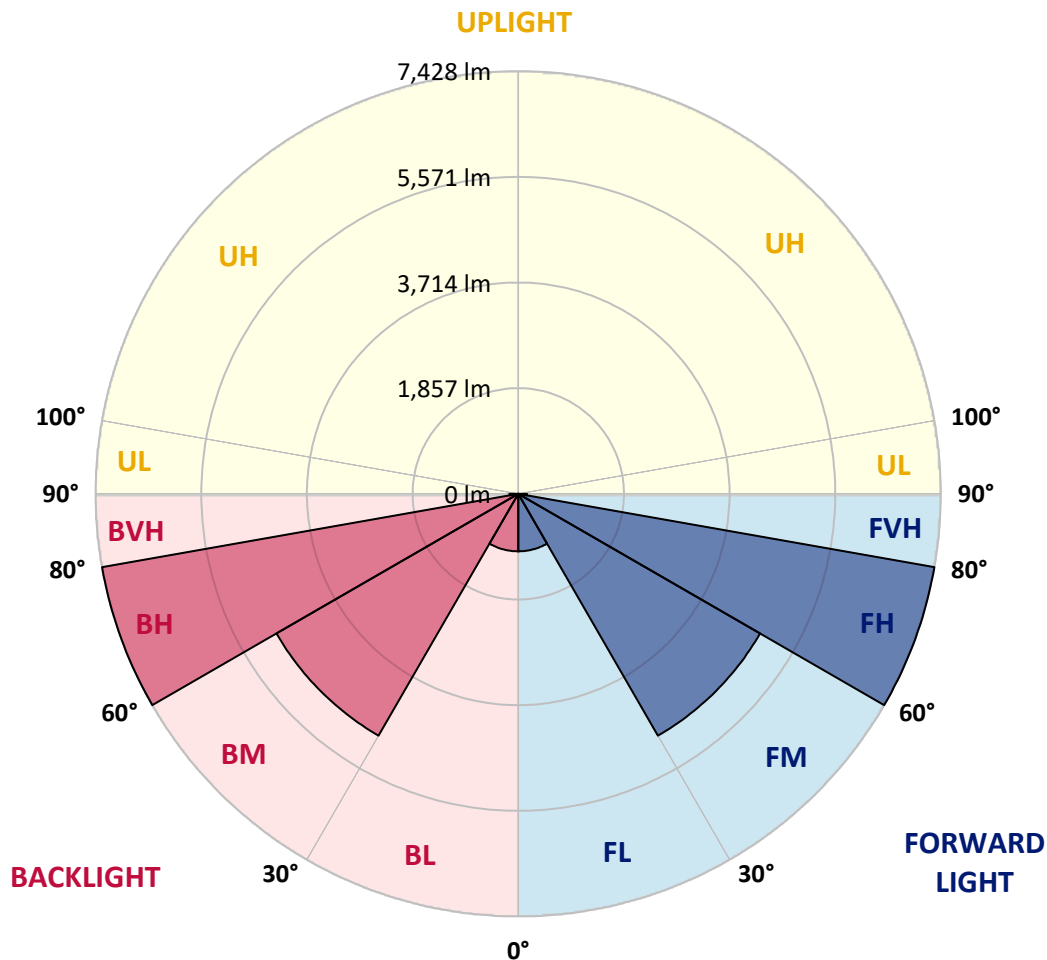
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1010.7	3.7			
FM (30°-60°)	4907.9	18.2			
FH (60°-80°)	7427.6	27.5			G3/7500
FVH (80°-90°)	154.3	0.6			G2/225
BL (0°-30°)	1010.7	3.7	B3/2500		
BM (30°-60°)	4907.9	18.2	B3/5000		
BH (60°-80°)	7427.6	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°	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0	2463.0
2.5°	2447.6	2454.6	2451.8	2446.2	2446.2	2442.0	2446.2	2449.0	2453.2	2456.0
5°	2415.3	2420.9	2419.5	2415.3	2416.7	2412.5	2415.3	2419.5	2422.3	2423.7
7.5°	2387.2	2392.9	2390.1	2383.0	2383.0	2378.8	2380.2	2384.4	2388.7	2390.1
10°	2380.2	2385.8	2377.4	2366.2	2362.0	2356.4	2357.8	2362.0	2370.4	2374.6
12.5°	2383.0	2387.2	2378.8	2362.0	2357.8	2352.2	2352.2	2356.4	2367.6	2373.2
15°	2391.5	2395.7	2383.0	2364.8	2360.6	2356.4	2355.0	2360.6	2373.2	2383.0
17.5°	2406.9	2411.1	2391.5	2366.2	2360.6	2362.0	2360.6	2364.8	2384.4	2402.7
20°	2420.9	2423.7	2397.1	2366.2	2360.6	2362.0	2360.6	2369.0	2394.3	2419.5
22.5°	2425.1	2427.9	2402.7	2376.0	2371.8	2373.2	2371.8	2380.2	2404.1	2429.4
25°	2426.5	2430.8	2411.1	2390.1	2397.1	2399.9	2397.1	2398.5	2416.7	2439.2
27.5°	2447.6	2453.2	2435.0	2416.7	2420.9	2419.5	2423.7	2427.9	2442.0	2464.4
30°	2491.1	2495.3	2479.9	2461.6	2458.8	2449.0	2461.6	2475.7	2491.1	2510.8
32.5°	2562.7	2571.1	2551.5	2531.8	2519.2	2513.6	2523.4	2547.2	2568.3	2589.3
35°	2682.0	2687.6	2669.3	2632.9	2610.4	2610.4	2618.8	2649.7	2683.4	2710.0
37.5°	2850.4	2857.4	2825.1	2781.6	2747.9	2747.9	2759.2	2791.4	2842.0	2879.9
40°	3055.3	3065.1	3024.4	2979.5	2947.2	2941.6	2955.6	2992.1	3039.8	3087.6
42.5°	3302.3	3313.5	3260.2	3220.9	3195.6	3195.6	3202.6	3236.3	3279.8	3338.8
45°	3618.1	3637.7	3564.7	3525.4	3501.6	3507.2	3511.4	3540.9	3580.2	3647.5
47.5°	3994.2	4013.8	3936.6	3895.9	3891.7	3918.4	3901.6	3922.6	3943.7	4020.9
50°	4420.8	4454.5	4401.2	4398.4	4406.8	4455.9	4416.6	4427.8	4404.0	4453.1
52.5°	4942.9	4992.0	4982.2	4999.0	5093.1	5194.1	5104.3	5065.0	4975.2	4990.6
55°	5575.9	5650.2	5664.3	5765.3	5978.6	6185.0	5994.1	5835.5	5644.6	5609.5
57.5°	6295.8	6354.8	6422.1	6628.4	7027.0	7393.3	7027.0	6676.2	6375.8	6304.2
60°	7070.5	7143.5	7208.1	7512.6	8104.9	8619.9	8093.6	7536.5	7139.3	7042.5
62.5°	7902.8	7996.8	8041.7	8379.9	9070.4	9685.1	9080.2	8405.2	7964.5	7860.7
65°	8701.3	8778.5	8829.0	9189.7	9849.3	10465.4	9894.2	9229.0	8775.7	8639.6
67.5°	9073.2	9115.3	9238.8	9647.2	10343.3	11046.5	10461.2	9690.7	9184.1	8945.5
70°	8528.7	8443.1	8740.6	9394.6	10402.3	11402.9	10537.0	9375.0	8754.7	8367.3
72.5°	6590.5	6443.2	6959.7	8078.2	9728.6	11175.6	9796.0	8141.3	7281.0	6495.1
75°	3585.8	3418.8	4131.7	5546.4	7758.2	9686.5	7936.4	5705.0	4600.5	3559.1
77.5°	1011.9	948.7	1524.1	2683.4	4666.4	6801.1	4846.1	2742.3	1807.6	1072.2
80°	310.2	300.3	407.0	808.4	1981.7	3257.4	1904.5	818.2	517.9	327.0
82.5°	183.9	168.4	202.1	294.7	505.2	1023.1	491.2	307.4	247.0	165.6
85°	105.3	98.2	119.3	143.2	169.8	217.5	141.7	146.0	131.9	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°
2463.0
2454.6
2423.7
2390.1
2374.6
2374.6
2384.4
2402.7
2420.9
2429.4
2437.8
2458.8
2506.5
2580.9
2700.2
2865.8
3072.1
3334.6
3644.7
3998.4
4423.6
4938.7
5554.8
6253.7
6958.2
7776.5
8572.2
8948.3
8459.9
6690.2
3790.7
1191.5
345.2
179.6
92.6
32.3
0.0

OF REPORT)