

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: P849111

Luminaire Tested: **GLAN-SB6A-730-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849111
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 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: 26579 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

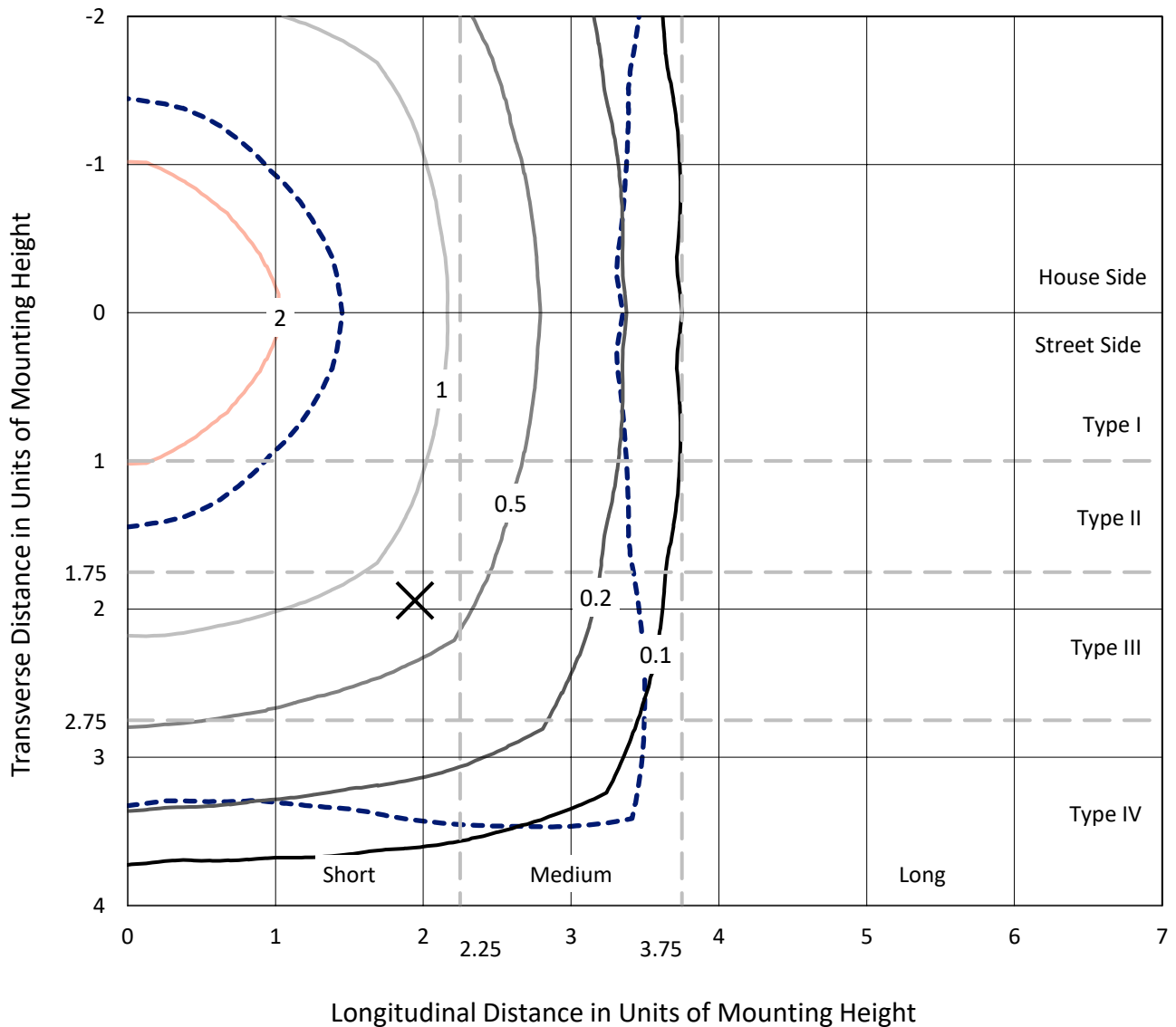
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

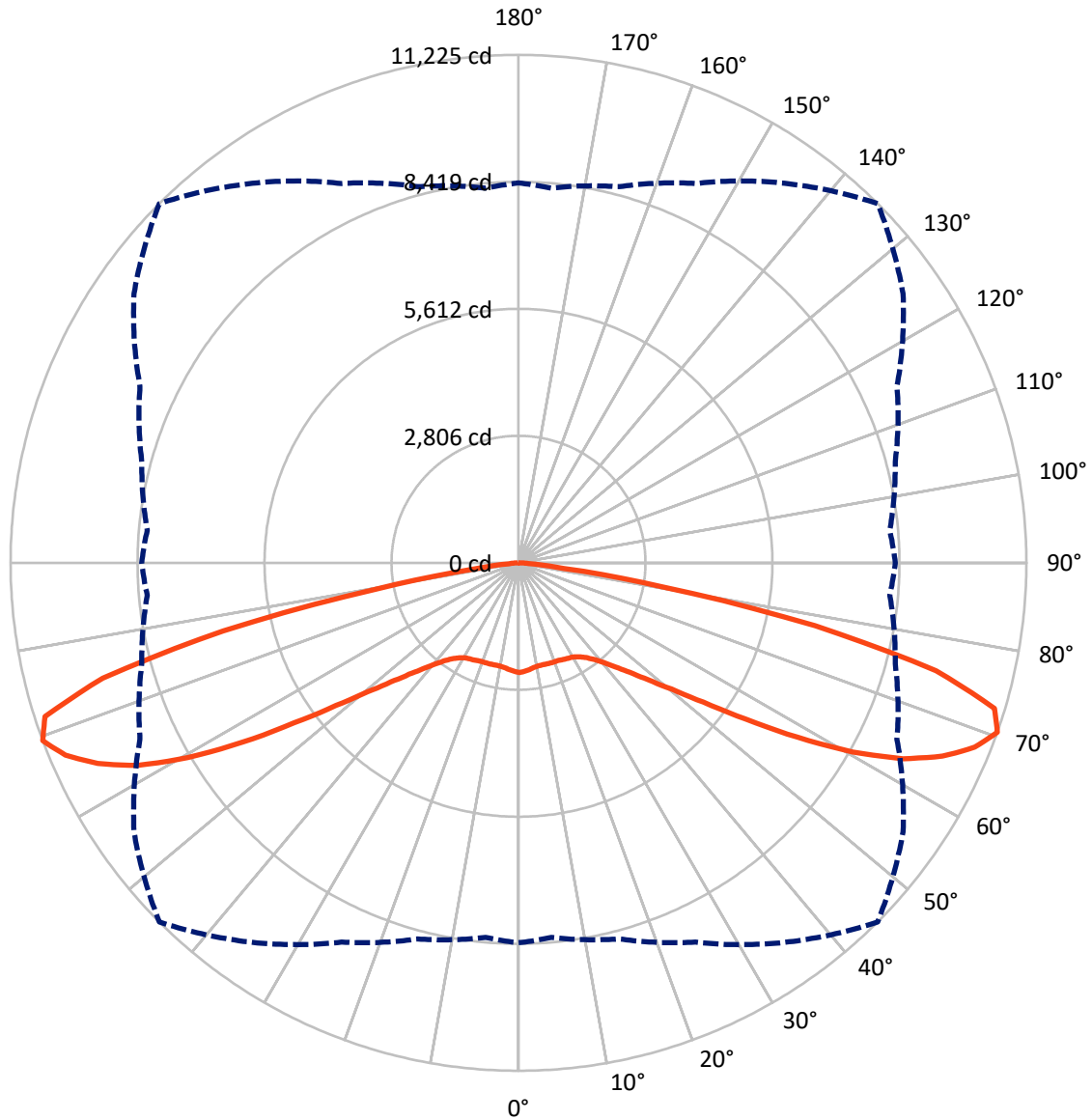
✕ Max cd
 - - - 1/2 Max cd



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	13289.5	0.0	13289.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13289.5	0.0	13289.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	26579.0	0.0	26579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.5	0.8
10°-20°	662.2	2.5
20°-30°	1102.1	4.1
30°-40°	1666.6	6.3
40°-50°	2769.6	10.4
50°-60°	5226.1	19.7
60°-70°	8824.5	33.2
70°-80°	5798.6	21.8
80°-90°	303.8	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°	26579.0	100.0
0°-180°	26579.0	100.0

Coefficient of Utilization



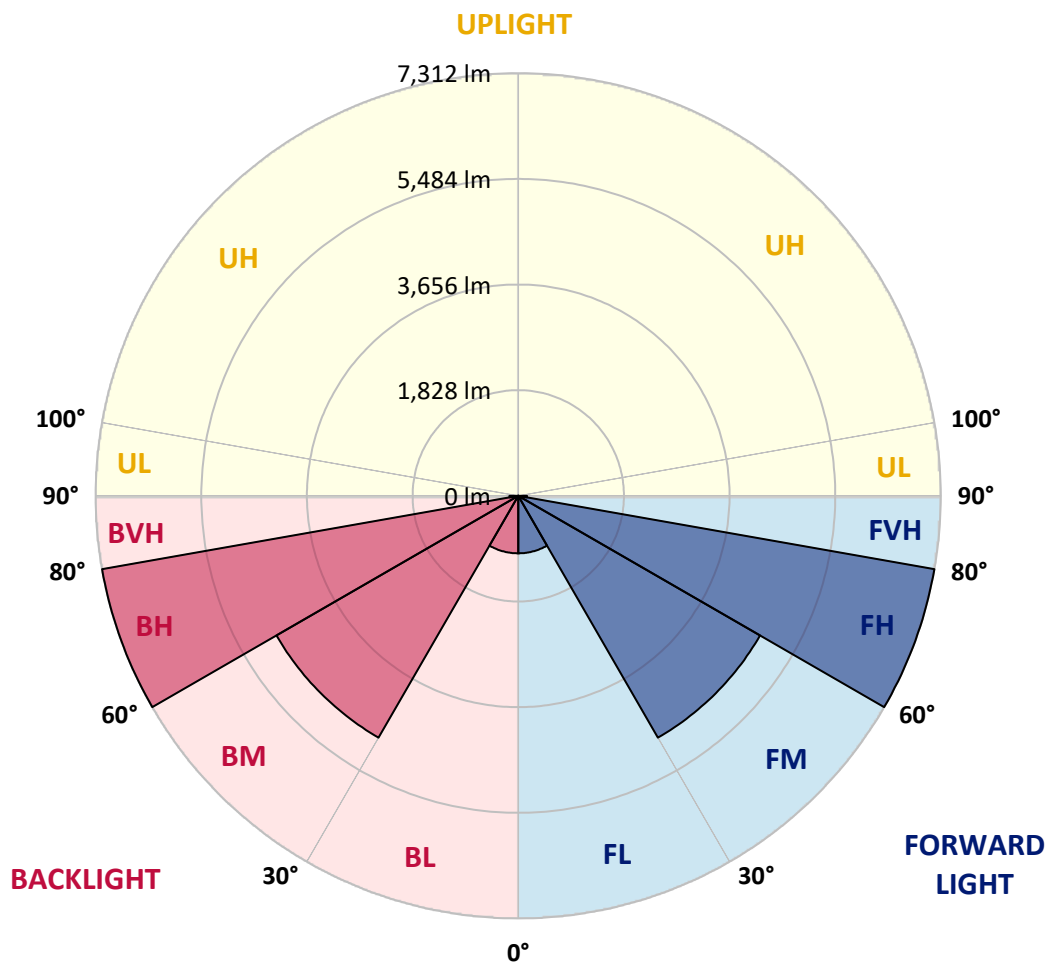
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.9	3.7			
FM (30°-60°)	4831.2	18.2			
FH (60°-80°)	7311.5	27.5			G3/7500
FVH (80°-90°)	151.9	0.6			G2/225
BL (0°-30°)	994.9	3.7	B2/1000		
BM (30°-60°)	4831.2	18.2	B3/5000		
BH (60°-80°)	7311.5	27.5	B5		G3/7500
BVH (80°-90°)	151.9	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°	2424.5	2424.5	2424.5	2424.5	2424.5	2424.5	2424.5	2424.5	2424.5	2424.5
2.5°	2409.3	2416.3	2413.5	2408.0	2408.0	2403.8	2408.0	2410.7	2414.9	2417.6
5°	2377.6	2383.1	2381.7	2377.6	2379.0	2374.8	2377.6	2381.7	2384.5	2385.9
7.5°	2349.9	2355.5	2352.7	2345.8	2345.8	2341.6	2343.0	2347.2	2351.3	2352.7
10°	2343.0	2348.6	2340.3	2329.2	2325.1	2319.5	2320.9	2325.1	2333.4	2337.5
12.5°	2345.8	2349.9	2341.6	2325.1	2320.9	2315.4	2315.4	2319.5	2330.6	2336.1
15°	2354.1	2358.2	2345.8	2327.8	2323.7	2319.5	2318.2	2323.7	2336.1	2345.8
17.5°	2369.3	2373.4	2354.1	2329.2	2323.7	2325.1	2323.7	2327.8	2347.2	2365.1
20°	2383.1	2385.9	2359.6	2329.2	2323.7	2325.1	2323.7	2332.0	2356.8	2381.7
22.5°	2387.2	2390.0	2365.1	2338.9	2334.7	2336.1	2334.7	2343.0	2366.5	2391.4
25°	2388.6	2392.8	2373.4	2352.7	2359.6	2362.4	2359.6	2361.0	2379.0	2401.1
27.5°	2409.3	2414.9	2396.9	2379.0	2383.1	2381.7	2385.9	2390.0	2403.8	2425.9
30°	2452.2	2456.3	2441.1	2423.2	2420.4	2410.7	2423.2	2437.0	2452.2	2471.5
32.5°	2522.6	2530.9	2511.6	2492.2	2479.8	2474.3	2483.9	2507.4	2528.2	2548.9
35°	2640.1	2645.6	2627.6	2591.7	2569.6	2569.6	2577.9	2608.3	2641.4	2667.7
37.5°	2805.8	2812.7	2781.0	2738.1	2705.0	2705.0	2716.0	2747.8	2797.5	2834.8
40°	3007.5	3017.2	2977.1	2932.9	2901.2	2895.6	2909.4	2945.4	2992.3	3039.3
42.5°	3250.7	3261.7	3209.2	3170.6	3145.7	3145.7	3152.6	3185.7	3228.6	3286.6
45°	3561.5	3580.9	3509.0	3470.3	3446.9	3452.4	3456.5	3485.5	3524.2	3590.5
47.5°	3931.8	3951.1	3875.1	3835.1	3830.9	3857.2	3840.6	3861.3	3882.0	3958.0
50°	4351.7	4384.9	4332.4	4329.6	4337.9	4386.3	4347.6	4358.6	4335.2	4383.5
52.5°	4865.7	4914.0	4904.3	4920.9	5013.5	5112.9	5024.5	4985.8	4897.4	4912.6
55°	5488.7	5561.9	5575.8	5675.2	5885.2	6088.3	5900.4	5744.3	5556.4	5521.9
57.5°	6197.4	6255.5	6321.8	6524.8	6917.2	7277.8	6917.2	6571.8	6276.2	6205.7
60°	6960.0	7031.9	7095.4	7395.2	7978.2	8485.2	7967.1	7418.7	7027.7	6932.4
62.5°	7779.3	7871.8	7916.0	8249.0	8928.7	9533.8	8938.3	8273.8	7840.0	7737.8
65°	8565.3	8641.3	8691.0	9046.1	9695.4	10301.9	9739.6	9084.8	8638.5	8504.5
67.5°	8931.4	8972.9	9094.4	9496.5	10181.7	10873.8	10297.7	9539.3	9040.6	8805.7
70°	8395.4	8311.1	8604.0	9247.8	10239.7	11224.7	10372.3	9228.4	8617.8	8236.5
72.5°	6487.5	6342.5	6850.9	7951.9	9576.6	11000.9	9642.9	8014.1	7167.2	6393.6
75°	3529.7	3365.3	4067.1	5459.7	7637.0	9535.1	7812.4	5615.8	4528.6	3503.5
77.5°	996.1	933.9	1500.3	2641.4	4593.5	6694.8	4770.3	2699.5	1779.4	1055.5
80°	305.3	295.6	400.6	795.7	1950.7	3206.5	1874.7	805.4	509.8	321.9
82.5°	181.0	165.8	198.9	290.1	497.3	1007.1	483.5	302.5	243.1	163.0
85°	103.6	96.7	117.4	140.9	167.2	214.1	139.5	143.7	129.9	87.0
87.5°	42.8	38.7	45.6	44.2	38.7	49.7	37.3	44.2	52.5	34.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2424.5
2416.3
2385.9
2352.7
2337.5
2337.5
2347.2
2365.1
2383.1
2391.4
2399.7
2420.4
2467.4
2540.6
2658.0
2821.0
3024.1
3282.5
3587.8
3935.9
4354.5
4861.5
5468.0
6156.0
6849.5
7654.9
8438.2
8808.5
8327.7
6585.6
3731.4
1172.9
339.9
176.8
91.2
31.8
0.0

OF REPORT)