

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: P848881

Luminaire Tested: **GLAN-SB5C-930-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848881
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-SB5C-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25816 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

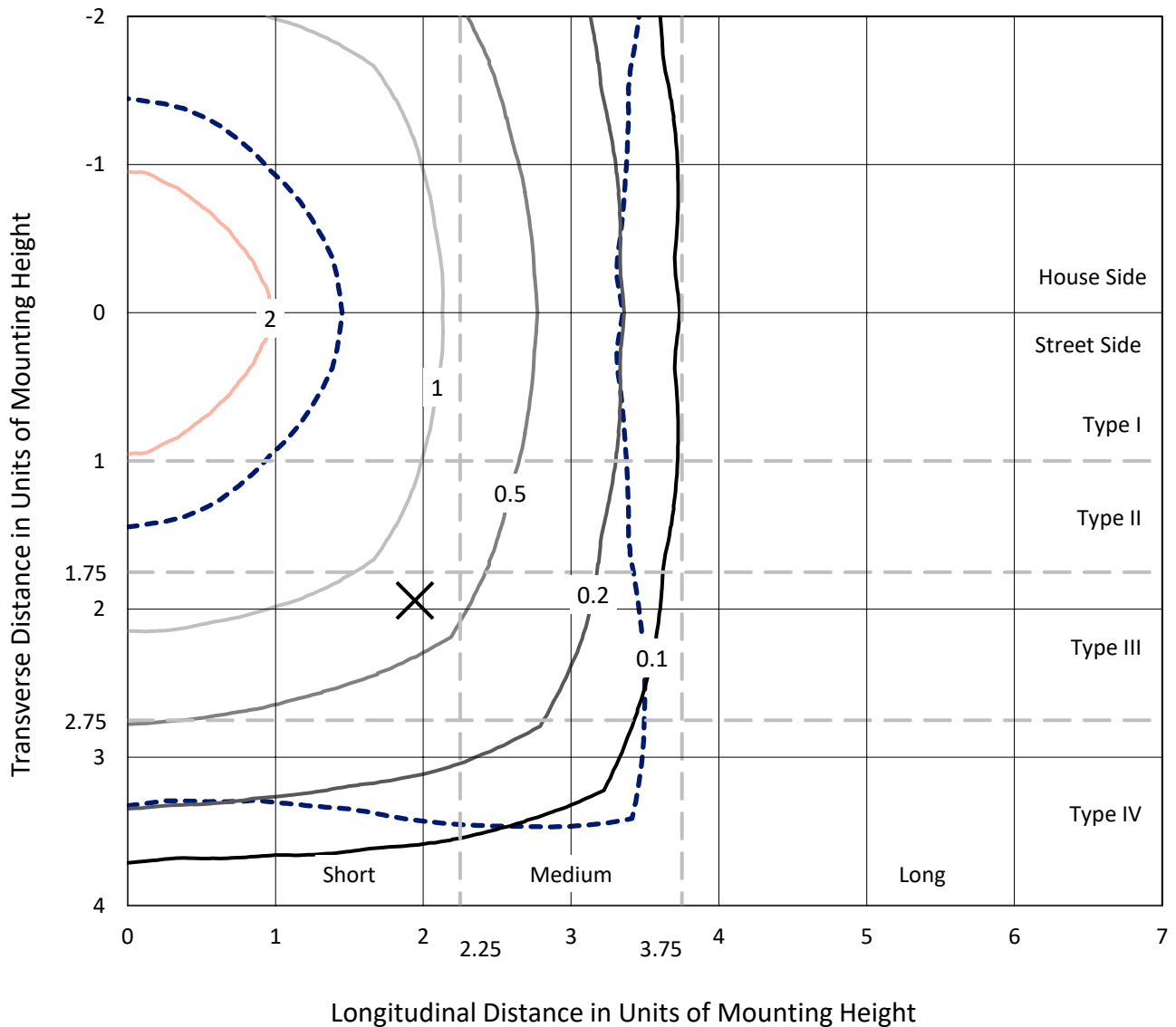
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

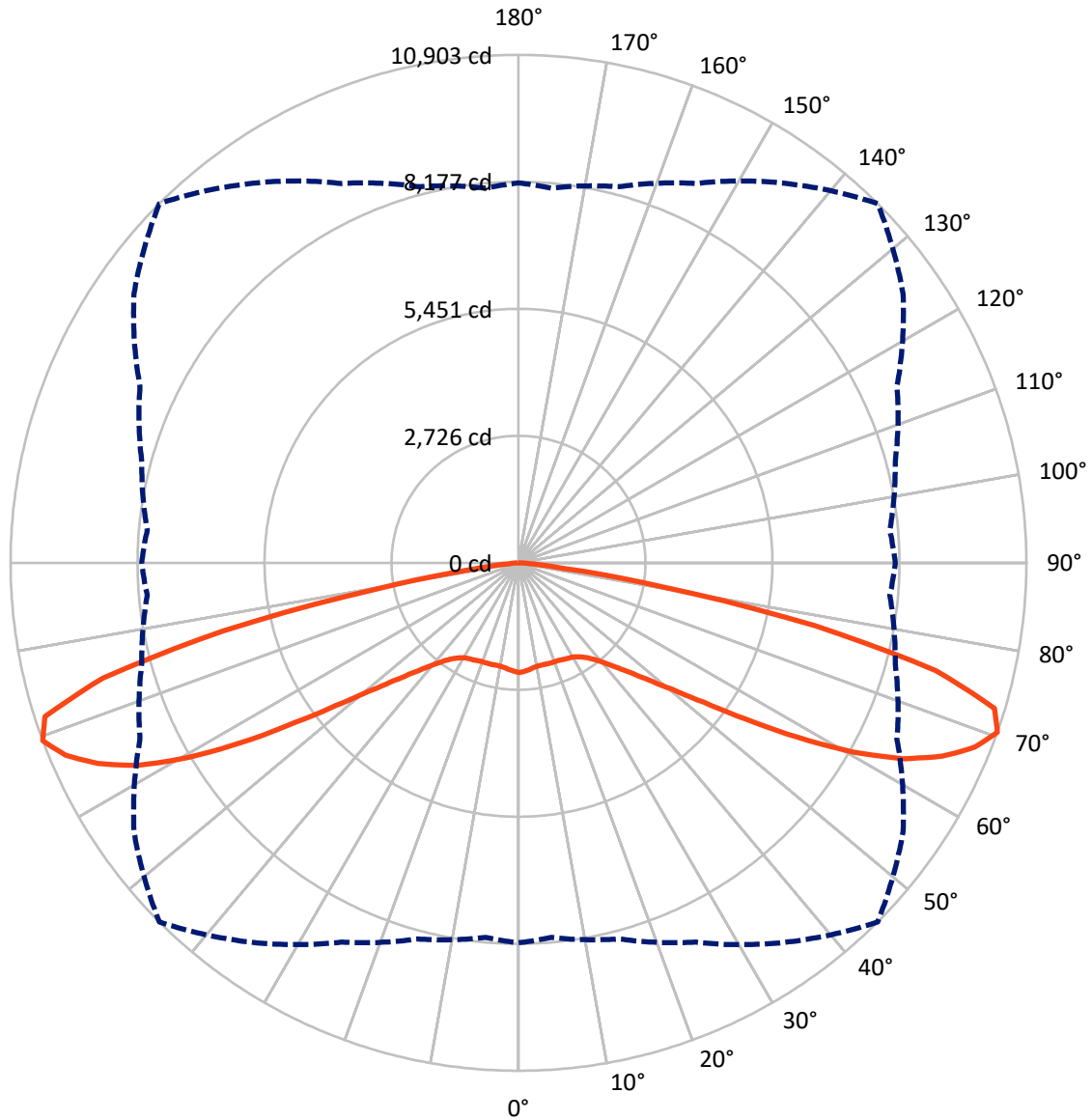
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	12908.0	0.0	12908.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12908.0	0.0	12908.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25816.0	0.0	25816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	0.8
10°-20°	643.2	2.5
20°-30°	1070.4	4.1
30°-40°	1618.8	6.3
40°-50°	2690.1	10.4
50°-60°	5076.1	19.7
60°-70°	8571.1	33.2
70°-80°	5632.1	21.8
80°-90°	295.1	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°	25816.0	100.0
0°-180°	25816.0	100.0

Coefficient of Utilization



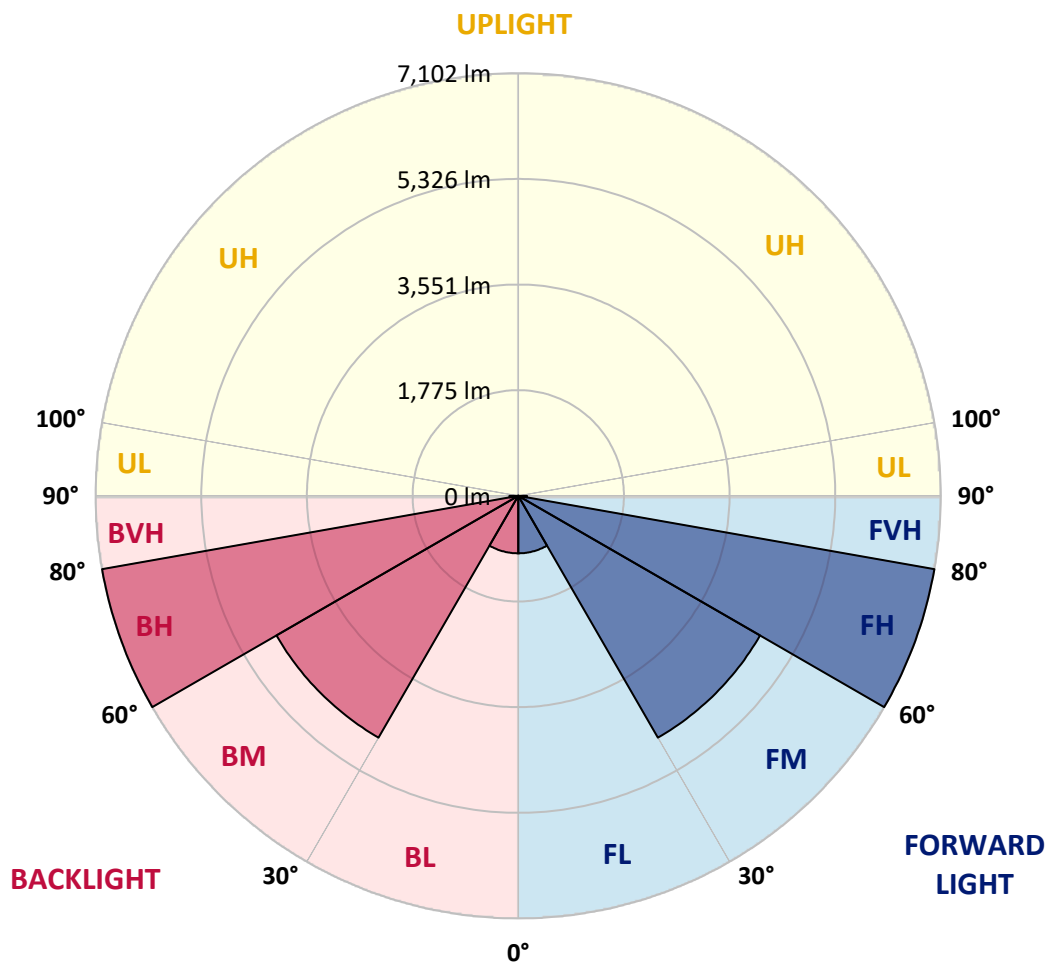
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.4	3.7			
FM (30°-60°)	4692.5	18.2			
FH (60°-80°)	7101.6	27.5			G3/7500
FVH (80°-90°)	147.5	0.6			G2/225
BL (0°-30°)	966.4	3.7	B2/1000		
BM (30°-60°)	4692.5	18.2	B3/5000		
BH (60°-80°)	7101.6	27.5	B5		G3/7500
BVH (80°-90°)	147.5	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°	2354.9	2354.9	2354.9	2354.9	2354.9	2354.9	2354.9	2354.9	2354.9	2354.9
2.5°	2340.2	2346.9	2344.2	2338.8	2338.8	2334.8	2338.8	2341.5	2345.5	2348.2
5°	2309.3	2314.7	2313.3	2309.3	2310.7	2306.6	2309.3	2313.3	2316.0	2317.4
7.5°	2282.5	2287.8	2285.2	2278.5	2278.5	2274.4	2275.8	2279.8	2283.8	2285.2
10°	2275.8	2281.1	2273.1	2262.4	2258.3	2253.0	2254.3	2258.3	2266.4	2270.4
12.5°	2278.5	2282.5	2274.4	2258.3	2254.3	2248.9	2248.9	2253.0	2263.7	2269.1
15°	2286.5	2290.5	2278.5	2261.0	2257.0	2253.0	2251.6	2257.0	2269.1	2278.5
17.5°	2301.3	2305.3	2286.5	2262.4	2257.0	2258.3	2257.0	2261.0	2279.8	2297.2
20°	2314.7	2317.4	2291.9	2262.4	2257.0	2258.3	2257.0	2265.0	2289.2	2313.3
22.5°	2318.7	2321.4	2297.2	2271.7	2267.7	2269.1	2267.7	2275.8	2298.6	2322.7
25°	2320.1	2324.1	2305.3	2285.2	2291.9	2294.6	2291.9	2293.2	2310.7	2332.1
27.5°	2340.2	2345.5	2328.1	2310.7	2314.7	2313.3	2317.4	2321.4	2334.8	2356.3
30°	2381.8	2385.8	2371.0	2353.6	2350.9	2341.5	2353.6	2367.0	2381.8	2400.6
32.5°	2450.2	2458.3	2439.5	2420.7	2408.6	2403.2	2412.6	2435.4	2455.6	2475.7
35°	2564.3	2569.6	2552.2	2517.3	2495.8	2495.8	2503.9	2533.4	2565.6	2591.1
37.5°	2725.3	2732.0	2701.1	2659.5	2627.3	2627.3	2638.1	2668.9	2717.2	2753.5
40°	2921.2	2930.6	2891.7	2848.7	2817.9	2812.5	2825.9	2860.8	2906.4	2952.1
42.5°	3157.4	3168.1	3117.1	3079.5	3055.4	3055.4	3062.1	3094.3	3135.9	3192.3
45°	3459.3	3478.1	3408.3	3370.7	3347.9	3353.3	3357.3	3385.5	3423.0	3487.5
47.5°	3818.9	3837.7	3763.9	3725.0	3720.9	3746.4	3730.3	3750.5	3770.6	3844.4
50°	4226.8	4259.0	4208.0	4205.3	4213.4	4260.4	4222.8	4233.5	4210.7	4257.7
52.5°	4726.0	4772.9	4763.6	4779.7	4869.6	4966.2	4880.3	4842.7	4756.8	4771.6
55°	5331.2	5402.3	5415.7	5512.3	5716.3	5913.5	5731.0	5579.4	5396.9	5363.4
57.5°	6019.5	6075.9	6140.3	6337.5	6718.6	7068.8	6718.6	6383.2	6096.0	6027.6
60°	6760.2	6830.0	6891.7	7182.9	7749.2	8241.6	7738.4	7205.7	6826.0	6733.4
62.5°	7555.9	7645.8	7688.8	8012.2	8672.3	9260.1	8681.7	8036.3	7615.0	7515.7
65°	8319.4	8393.2	8441.6	8786.4	9417.1	10006.1	9460.0	8824.0	8390.6	8260.4
67.5°	8675.0	8715.3	8833.4	9223.8	9889.4	10561.7	10002.1	9265.4	8781.0	8552.9
70°	8154.4	8072.5	8357.0	8982.3	9945.8	10902.5	10074.6	8963.5	8370.4	8000.1
72.5°	6301.3	6160.4	6654.2	7723.7	9301.7	10685.1	9366.1	7784.0	6961.5	6210.1
75°	3428.4	3268.7	3950.4	5303.0	7417.7	9261.4	7588.1	5454.6	4398.6	3402.9
77.5°	967.5	907.1	1457.2	2565.6	4461.6	6502.6	4633.4	2622.0	1728.3	1025.2
80°	296.5	287.2	389.1	772.9	1894.7	3114.4	1820.9	782.3	495.1	312.7
82.5°	175.8	161.0	193.2	281.8	483.1	978.2	469.6	293.9	236.2	158.3
85°	100.6	93.9	114.1	136.9	162.4	208.0	135.5	139.6	126.1	84.5
87.5°	41.6	37.6	44.3	42.9	37.6	48.3	36.2	42.9	51.0	33.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2354.9
2346.9
2317.4
2285.2
2270.4
2270.4
2279.8
2297.2
2314.7
2322.7
2330.8
2350.9
2396.5
2467.7
2581.7
2740.0
2937.3
3188.2
3484.8
3822.9
4229.5
4722.0
5311.0
5979.3
6652.9
7435.2
8196.0
8555.6
8088.6
6396.6
3624.3
1139.2
330.1
171.8
88.6
30.9
0.0

OF REPORT)