

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: P851251

Luminaire Tested: **GLAN-SB9A-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851251  
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-SB9A-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26615 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

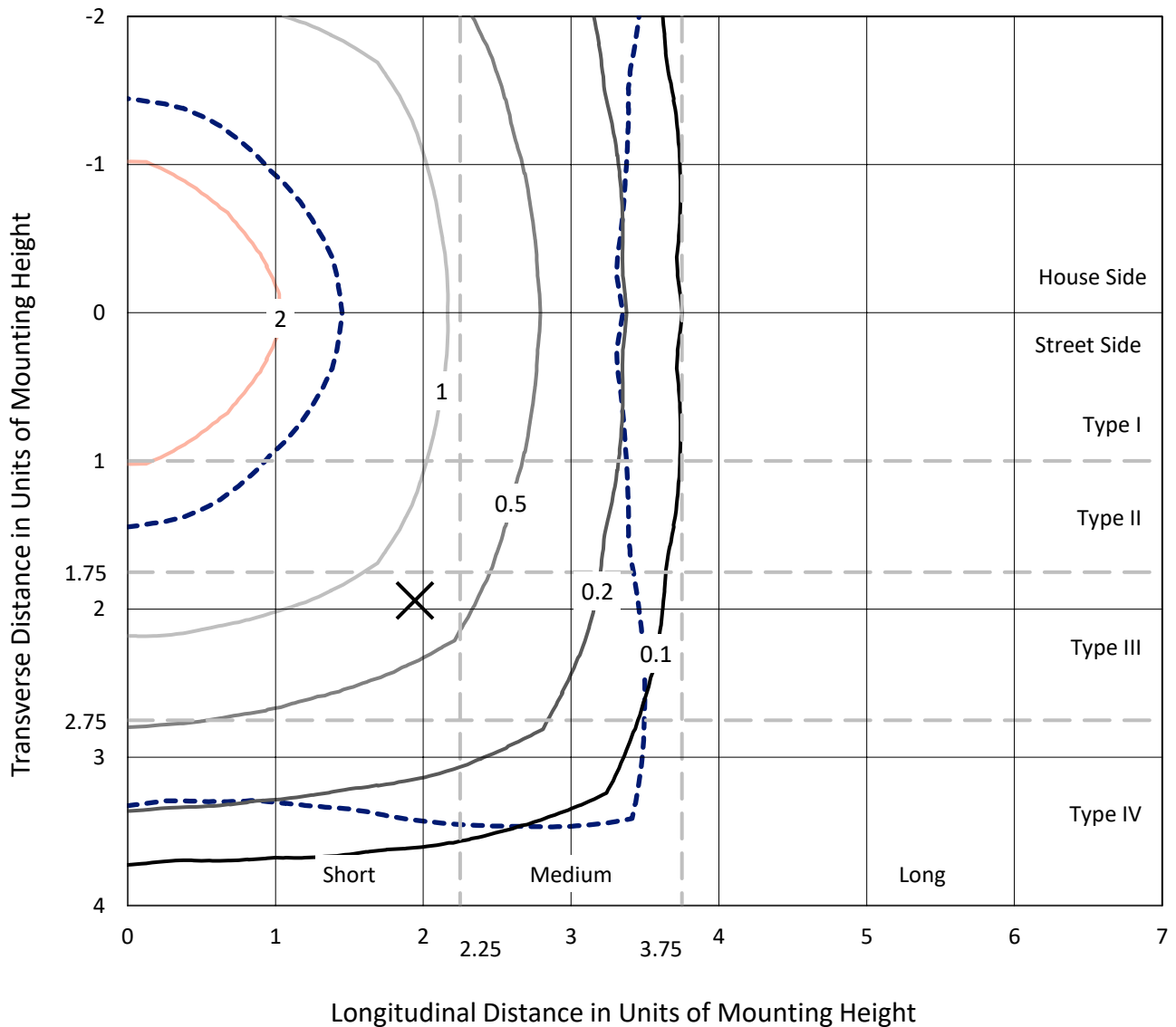
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

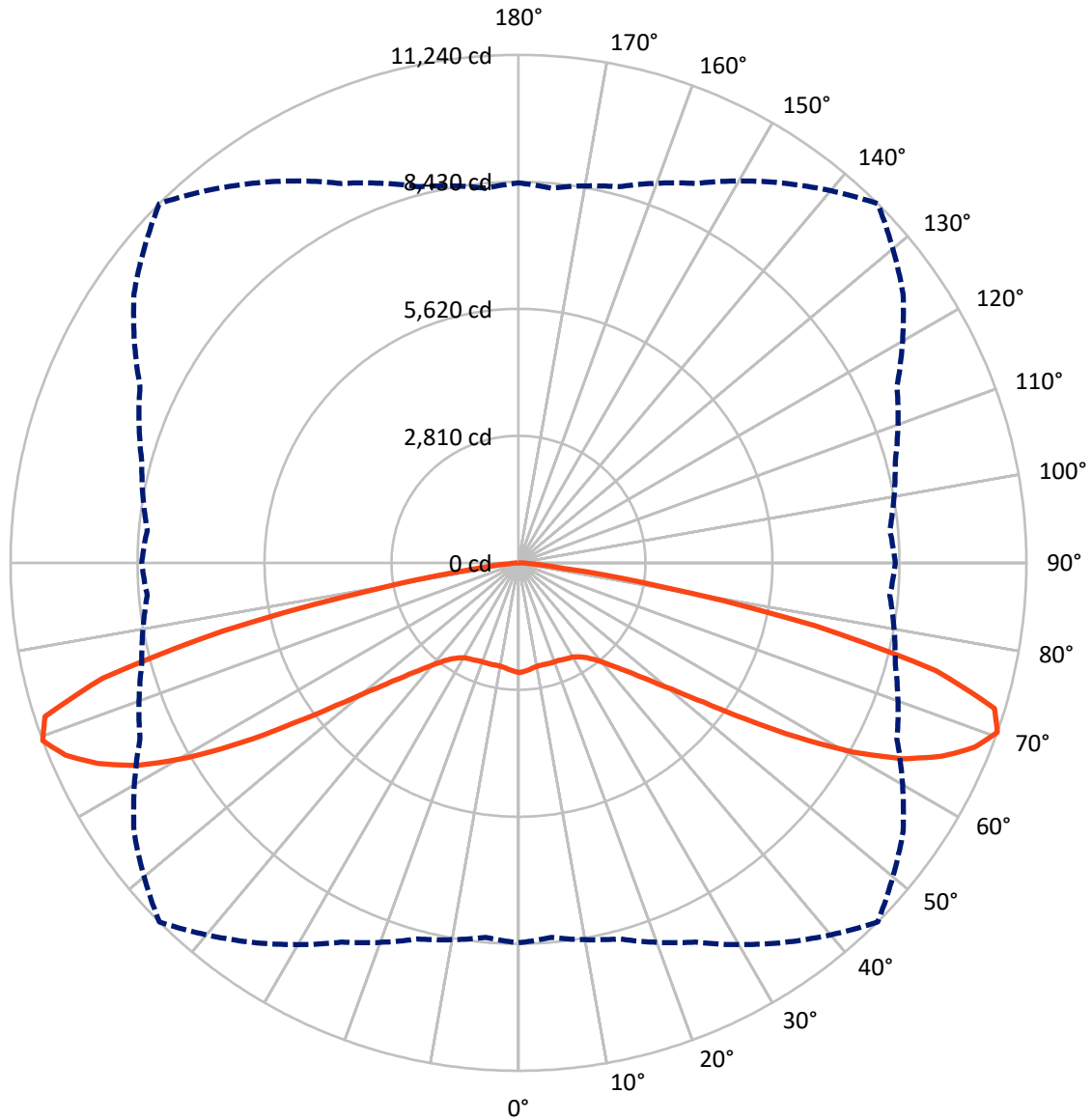
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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
<b>House Side</b>	Lumens	13307.5	0.0	13307.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13307.5	0.0	13307.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26615.0	0.0	26615.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.8	0.8
10°-20°	663.1	2.5
20°-30°	1103.6	4.1
30°-40°	1668.9	6.3
40°-50°	2773.3	10.4
50°-60°	5233.2	19.7
60°-70°	8836.4	33.2
70°-80°	5806.4	21.8
80°-90°	304.2	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°	26615.0	100.0
0°-180°	26615.0	100.0

**Coefficient of Utilization**



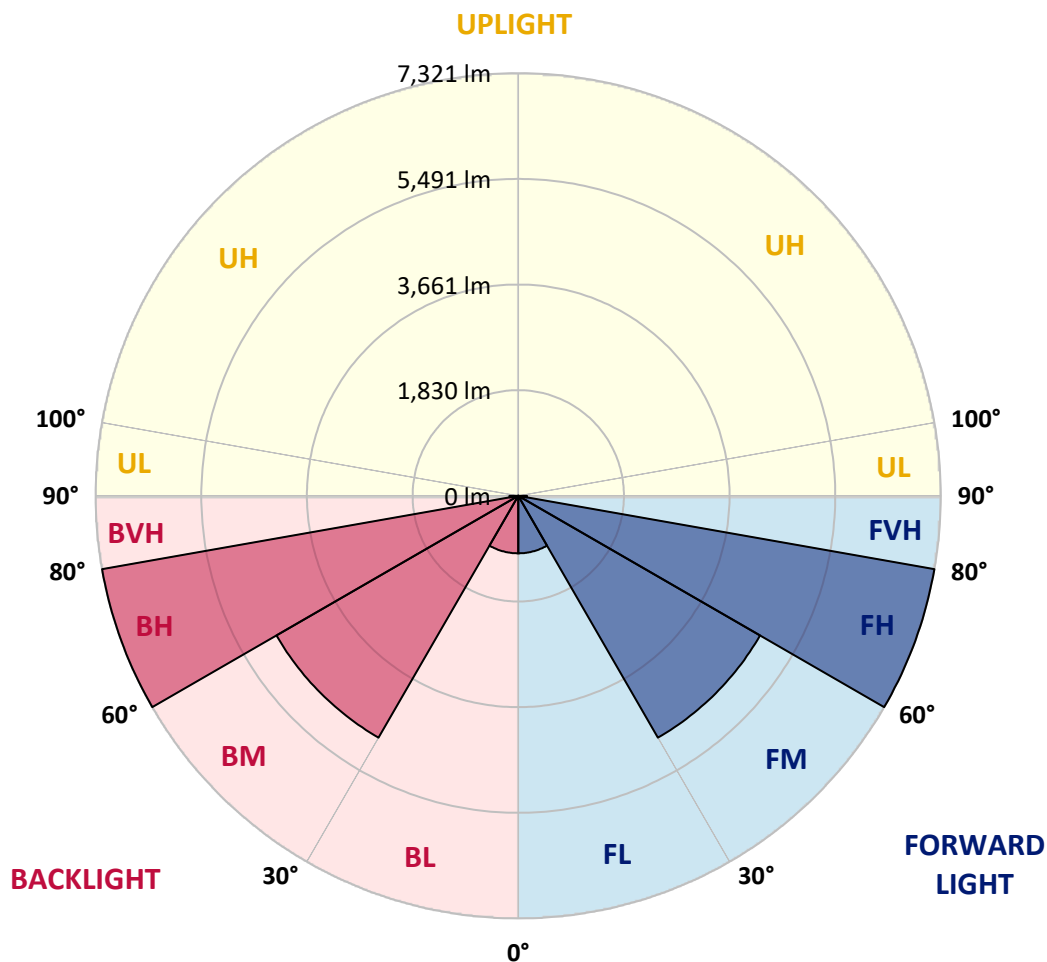
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	996.3	3.7			
FM (30°-60°)	4837.7	18.2			
FH (60°-80°)	7321.4	27.5			G3/7500
FVH (80°-90°)	152.1	0.6			G2/225
BL (0°-30°)	996.3	3.7	B2/1000		
BM (30°-60°)	4837.7	18.2	B3/5000		
BH (60°-80°)	7321.4	27.5	B5		G3/7500
BVH (80°-90°)	152.1	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°	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8	2427.8
2.5°	2412.6	2419.5	2416.8	2411.2	2411.2	2407.1	2411.2	2414.0	2418.1	2420.9
5°	2380.8	2386.3	2384.9	2380.8	2382.2	2378.0	2380.8	2384.9	2387.7	2389.1
7.5°	2353.1	2358.7	2355.9	2349.0	2349.0	2344.8	2346.2	2350.4	2354.5	2355.9
10°	2346.2	2351.7	2343.4	2332.4	2328.2	2322.7	2324.1	2328.2	2336.5	2340.7
12.5°	2349.0	2353.1	2344.8	2328.2	2324.1	2318.5	2318.5	2322.7	2333.8	2339.3
15°	2357.3	2361.4	2349.0	2331.0	2326.8	2322.7	2321.3	2326.8	2339.3	2349.0
17.5°	2372.5	2376.6	2357.3	2332.4	2326.8	2328.2	2326.8	2331.0	2350.4	2368.3
20°	2386.3	2389.1	2362.8	2332.4	2326.8	2328.2	2326.8	2335.1	2360.0	2384.9
22.5°	2390.5	2393.2	2368.3	2342.1	2337.9	2339.3	2337.9	2346.2	2369.7	2394.6
25°	2391.9	2396.0	2376.6	2355.9	2362.8	2365.6	2362.8	2364.2	2382.2	2404.3
27.5°	2412.6	2418.1	2400.2	2382.2	2386.3	2384.9	2389.1	2393.2	2407.1	2429.2
30°	2455.5	2459.6	2444.4	2426.4	2423.7	2414.0	2426.4	2440.3	2455.5	2474.9
32.5°	2526.0	2534.3	2515.0	2495.6	2483.2	2477.6	2487.3	2510.8	2531.6	2552.3
35°	2643.6	2649.2	2631.2	2595.2	2573.1	2573.1	2581.4	2611.8	2645.0	2671.3
37.5°	2809.6	2816.6	2784.7	2741.9	2708.6	2708.6	2719.7	2751.5	2801.3	2838.7
40°	3011.6	3021.3	2981.2	2936.9	2905.1	2899.6	2913.4	2949.4	2996.4	3043.4
42.5°	3255.1	3266.1	3213.6	3174.8	3149.9	3149.9	3156.9	3190.1	3232.9	3291.1
45°	3566.3	3585.7	3513.8	3475.0	3451.5	3457.1	3461.2	3490.3	3529.0	3595.4
47.5°	3937.1	3956.5	3880.4	3840.3	3836.1	3862.4	3845.8	3866.5	3887.3	3963.4
50°	4357.6	4390.8	4338.3	4335.5	4343.8	4392.2	4353.5	4364.5	4341.0	4389.5
52.5°	4872.2	4920.7	4911.0	4927.6	5020.3	5119.9	5031.3	4992.6	4904.1	4919.3
55°	5496.2	5569.5	5583.3	5682.9	5893.2	6096.5	5908.4	5752.1	5563.9	5529.4
57.5°	6205.8	6263.9	6330.3	6533.7	6926.6	7287.6	6926.6	6580.7	6284.7	6214.1
60°	6969.4	7041.4	7105.0	7405.2	7989.0	8496.7	7977.9	7428.7	7037.2	6941.8
62.5°	7789.8	7882.5	7926.7	8260.1	8940.8	9546.7	8950.4	8285.0	7850.7	7748.3
65°	8576.9	8653.0	8702.8	9058.3	9708.5	10315.8	9752.8	9097.1	8650.2	8516.1
67.5°	8943.5	8985.0	9106.8	9509.3	10195.5	10888.5	10311.7	9552.2	9052.8	8817.6
70°	8406.8	8322.4	8615.7	9260.3	10253.6	11239.9	10386.4	9240.9	8629.5	8247.7
72.5°	6496.3	6351.1	6860.2	7962.7	9589.6	11015.8	9656.0	8025.0	7177.0	6402.3
75°	3534.5	3369.9	4072.7	5467.1	7647.3	9548.1	7823.0	5623.4	4534.7	3508.2
77.5°	997.4	935.2	1502.3	2645.0	4599.7	6703.8	4776.8	2703.1	1781.8	1056.9
80°	305.7	296.0	401.2	796.8	1953.3	3210.8	1877.2	806.5	510.5	322.3
82.5°	181.2	166.0	199.2	290.5	498.0	1008.5	484.2	303.0	243.5	163.2
85°	103.8	96.8	117.6	141.1	167.4	214.4	139.7	143.9	130.0	87.2
87.5°	42.9	38.7	45.7	44.3	38.7	49.8	37.4	44.3	52.6	34.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2427.8
2419.5
2389.1
2355.9
2340.7
2340.7
2350.4
2368.3
2386.3
2394.6
2402.9
2423.7
2470.7
2544.0
2661.6
2824.9
3028.2
3286.9
3592.6
3941.2
4360.4
4868.1
5475.4
6164.3
6858.8
7665.3
8449.7
8820.4
8339.0
6594.6
3736.5
1174.5
340.3
177.1
91.3
31.8
0.0

OF REPORT)