

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: P850571

Luminaire Tested: **GLAN-SB8A-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850571  
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-SB8A-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 23628 lumens  
Efficiency: N/A  
Efficacy: 104.0 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

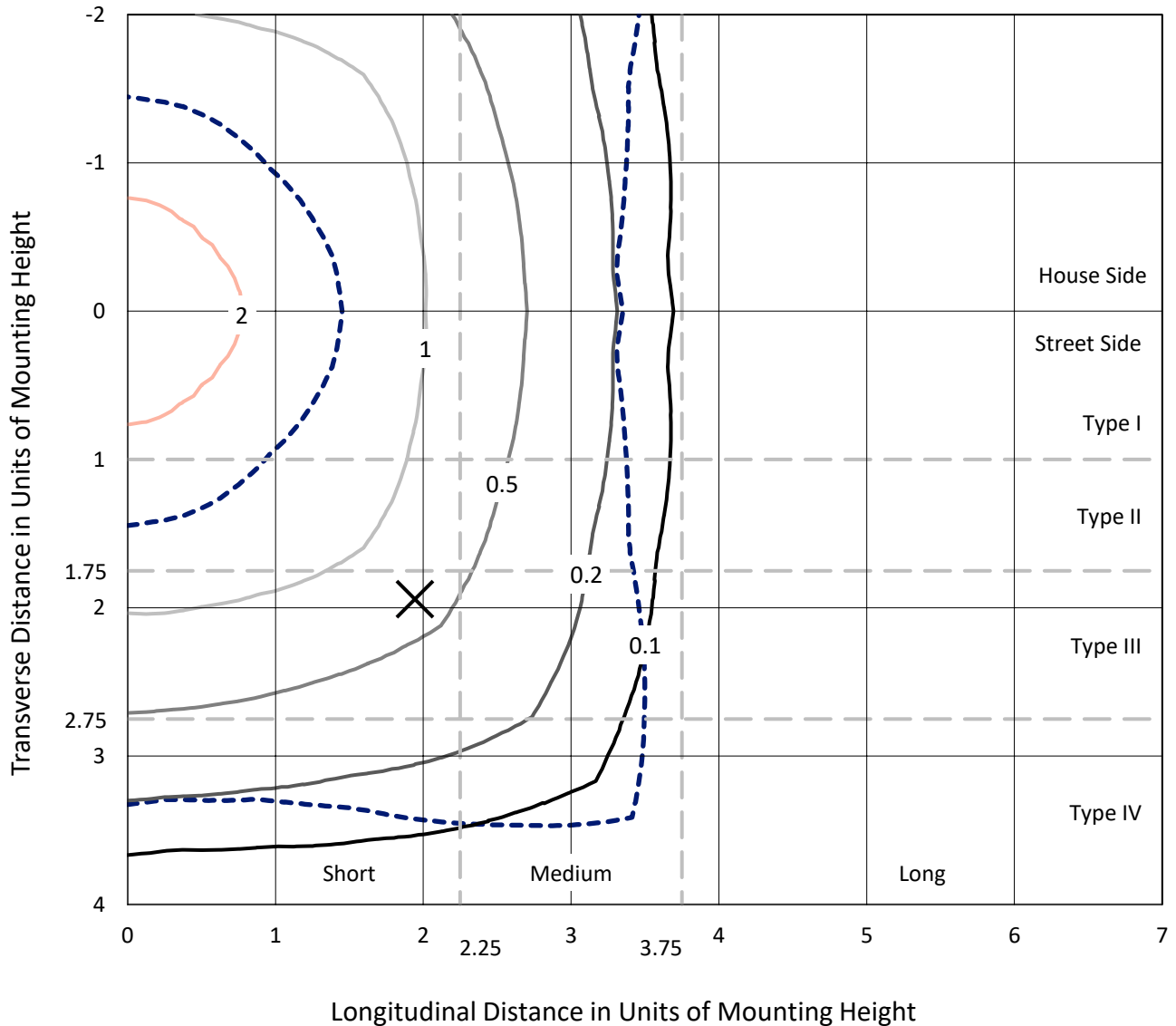
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

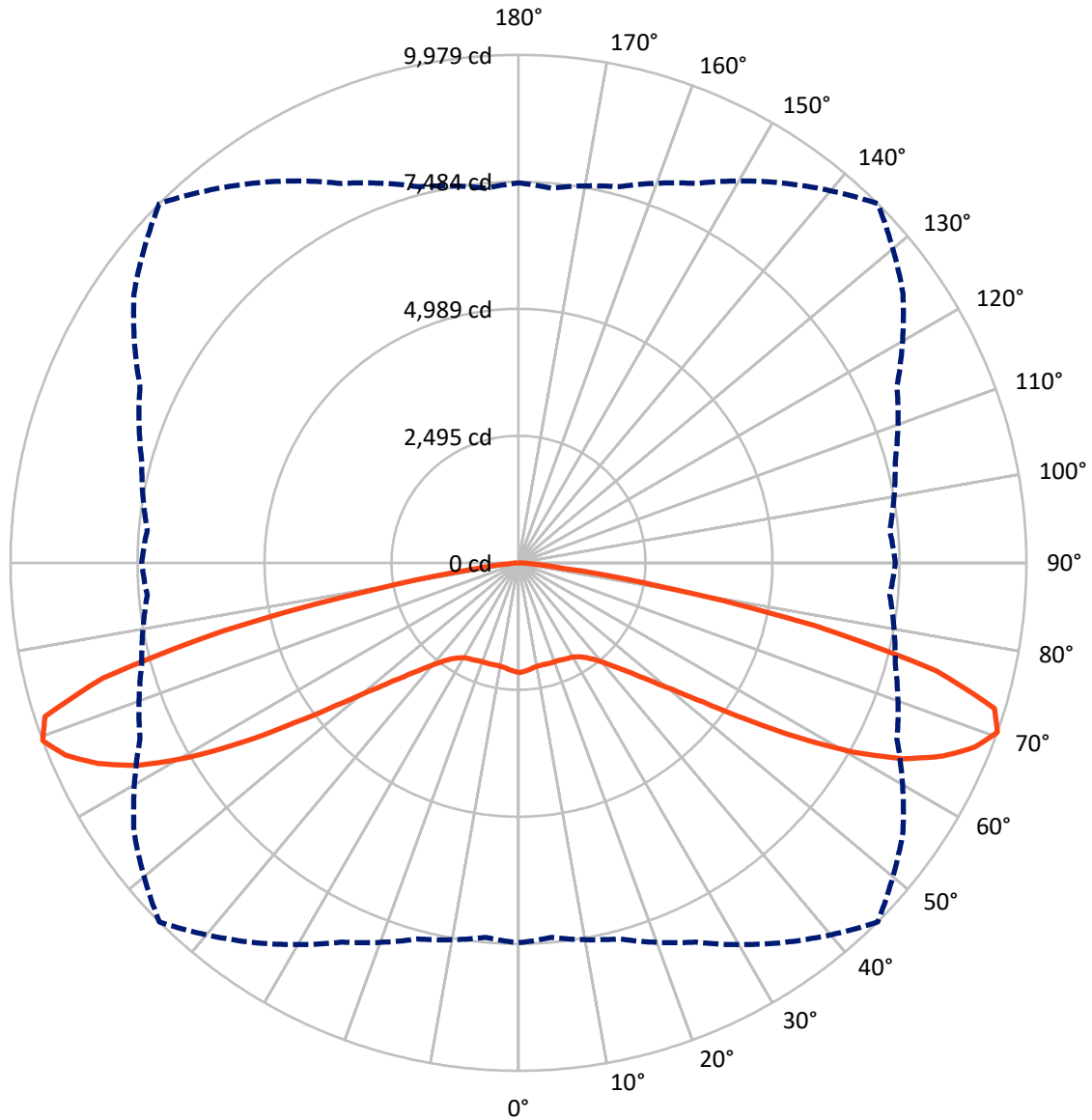
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	11814.0	0.0	11814.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11814.0	0.0	11814.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23628.0	0.0	23628.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.5	0.8
10°-20°	588.7	2.5
20°-30°	979.7	4.1
30°-40°	1481.6	6.3
40°-50°	2462.1	10.4
50°-60°	4645.9	19.7
60°-70°	7844.7	33.2
70°-80°	5154.8	21.8
80°-90°	270.1	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°	23628.0	100.0
0°-180°	23628.0	100.0

**Coefficient of Utilization**



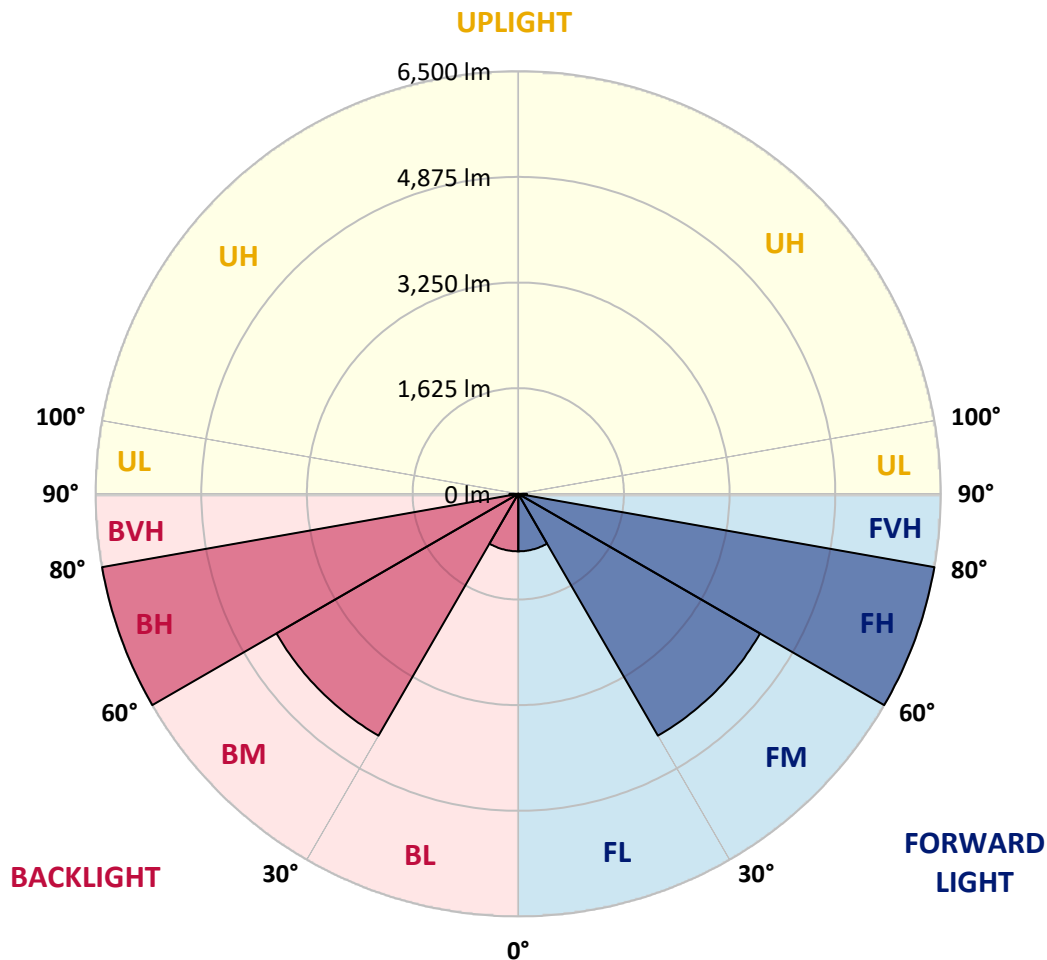
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.5	3.7			
FM (30°-60°)	4294.8	18.2			
FH (60°-80°)	6499.7	27.5			G3/7500
FVH (80°-90°)	135.0	0.6			G2/225
BL (0°-30°)	884.5	3.7	B2/1000		
BM (30°-60°)	4294.8	18.2	B3/5000		
BH (60°-80°)	6499.7	27.5	B5		G3/7500
BVH (80°-90°)	135.0	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°	2155.3	2155.3	2155.3	2155.3	2155.3	2155.3	2155.3	2155.3	2155.3	2155.3
2.5°	2141.8	2148.0	2145.5	2140.6	2140.6	2136.9	2140.6	2143.1	2146.8	2149.2
5°	2113.6	2118.5	2117.3	2113.6	2114.8	2111.1	2113.6	2117.3	2119.7	2121.0
7.5°	2089.0	2093.9	2091.5	2085.3	2085.3	2081.7	2082.9	2086.6	2090.3	2091.5
10°	2082.9	2087.8	2080.4	2070.6	2066.9	2062.0	2063.2	2066.9	2074.3	2078.0
12.5°	2085.3	2089.0	2081.7	2066.9	2063.2	2058.3	2058.3	2062.0	2071.8	2076.7
15°	2092.7	2096.4	2085.3	2069.4	2065.7	2062.0	2060.8	2065.7	2076.7	2085.3
17.5°	2106.2	2109.9	2092.7	2070.6	2065.7	2066.9	2065.7	2069.4	2086.6	2102.5
20°	2118.5	2121.0	2097.6	2070.6	2065.7	2066.9	2065.7	2073.1	2095.2	2117.3
22.5°	2122.2	2124.6	2102.5	2079.2	2075.5	2076.7	2075.5	2082.9	2103.8	2125.9
25°	2123.4	2127.1	2109.9	2091.5	2097.6	2100.1	2097.6	2098.9	2114.8	2134.5
27.5°	2141.8	2146.8	2130.8	2114.8	2118.5	2117.3	2121.0	2124.6	2136.9	2156.6
30°	2179.9	2183.6	2170.1	2154.1	2151.7	2143.1	2154.1	2166.4	2179.9	2197.1
32.5°	2242.5	2249.9	2232.7	2215.5	2204.5	2199.6	2208.2	2229.0	2247.5	2265.9
35°	2346.9	2351.8	2335.9	2304.0	2284.3	2284.3	2291.7	2318.7	2348.2	2371.5
37.5°	2494.3	2500.5	2472.2	2434.1	2404.7	2404.7	2414.5	2442.7	2486.9	2520.1
40°	2673.6	2682.2	2646.6	2607.3	2579.1	2574.1	2586.4	2618.4	2660.1	2701.9
42.5°	2889.8	2899.6	2852.9	2818.5	2796.4	2796.4	2802.6	2832.0	2870.1	2921.7
45°	3166.1	3183.3	3119.4	3085.0	3064.2	3069.1	3072.8	3098.5	3132.9	3191.9
47.5°	3495.2	3512.4	3444.9	3409.3	3405.6	3428.9	3414.2	3432.6	3451.0	3518.6
50°	3868.6	3898.1	3851.4	3848.9	3856.3	3899.3	3864.9	3874.7	3853.8	3896.8
52.5°	4325.4	4368.4	4359.8	4374.6	4456.8	4545.3	4466.7	4432.3	4353.7	4367.2
55°	4879.3	4944.4	4956.7	5045.1	5231.8	5412.3	5245.3	5106.5	4939.5	4908.8
57.5°	5509.3	5560.9	5619.9	5800.4	6149.2	6469.7	6149.2	5842.2	5579.3	5516.7
60°	6187.3	6251.1	6307.6	6574.1	7092.4	7543.1	7082.6	6595.0	6247.4	6162.7
62.5°	6915.5	6997.8	7037.1	7333.1	7937.3	8475.3	7945.9	7355.2	6969.6	6878.7
65°	7614.3	7681.9	7726.1	8041.7	8618.9	9158.1	8658.2	8076.1	7679.4	7560.3
67.5°	7939.8	7976.6	8084.7	8442.1	9051.2	9666.5	9154.4	8480.2	8036.8	7828.0
70°	7463.3	7388.4	7648.7	8221.0	9102.8	9978.5	9220.7	8203.8	7661.0	7322.0
72.5°	5767.2	5638.3	6090.2	7069.1	8513.3	9779.5	8572.3	7124.3	6371.5	5683.7
75°	3137.8	2991.7	3615.6	4853.5	6789.0	8476.5	6945.0	4992.3	4025.8	3114.5
77.5°	885.5	830.2	1333.7	2348.2	4083.5	5951.5	4240.7	2399.7	1581.8	938.3
80°	271.4	262.8	356.2	707.4	1734.1	2850.5	1666.6	716.0	453.2	286.2
82.5°	160.9	147.4	176.8	257.9	442.1	895.3	429.8	269.0	216.1	144.9
85°	92.1	86.0	104.4	125.3	148.6	190.4	124.0	127.7	115.4	77.4
87.5°	38.1	34.4	40.5	39.3	34.4	44.2	33.2	39.3	46.7	30.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2155.3
2148.0
2121.0
2091.5
2078.0
2078.0
2086.6
2102.5
2118.5
2125.9
2133.2
2151.7
2193.4
2258.5
2362.9
2507.8
2688.4
2918.0
3189.4
3498.9
3871.0
4321.8
4860.9
5472.5
6089.0
6805.0
7501.4
7830.5
7403.1
5854.4
3317.2
1042.7
302.1
157.2
81.1
28.2
0.0

OF REPORT)