

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: P851201

Luminaire Tested: **GLAN-SB9A-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851201  
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-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 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: 32951 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

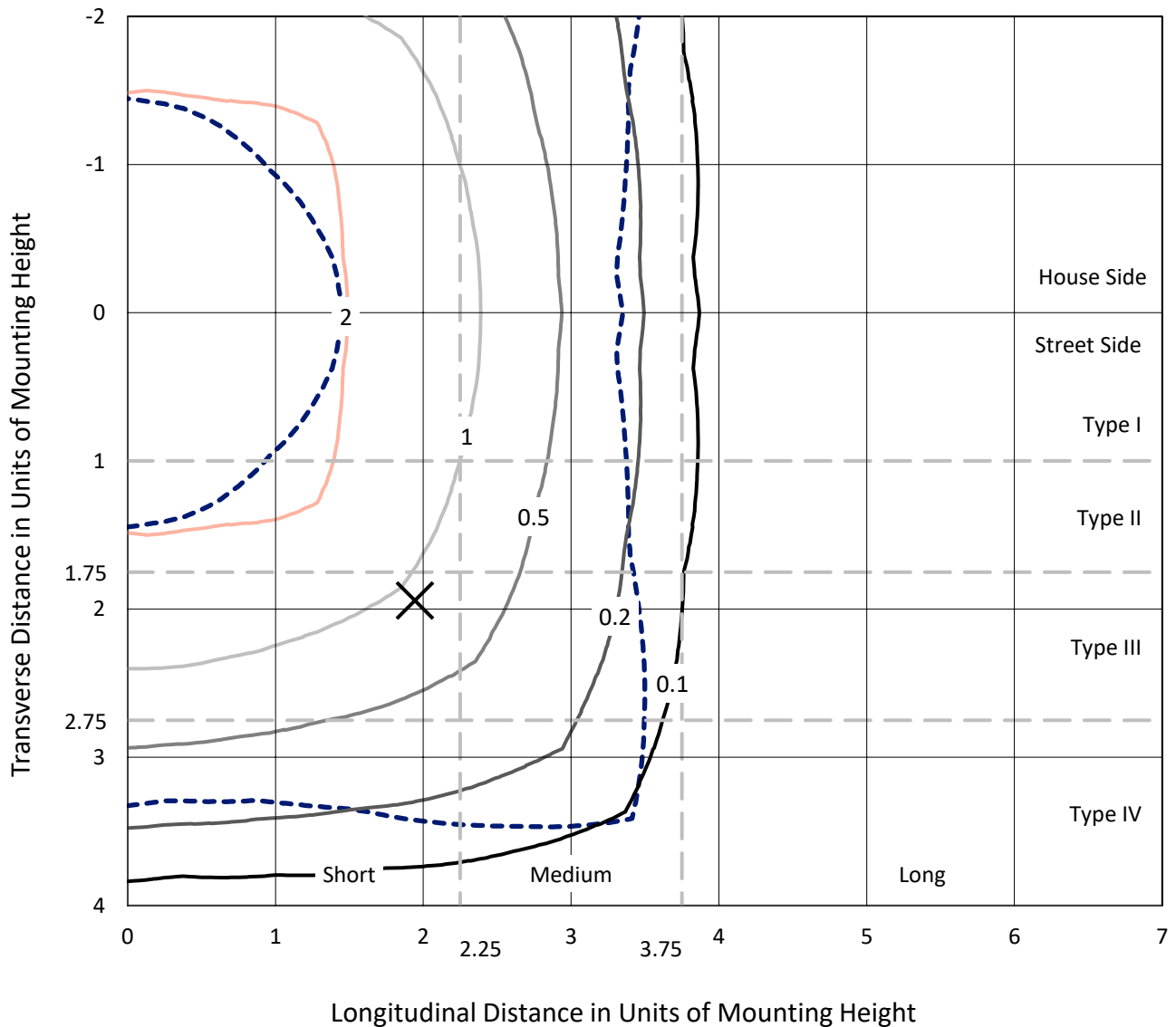
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

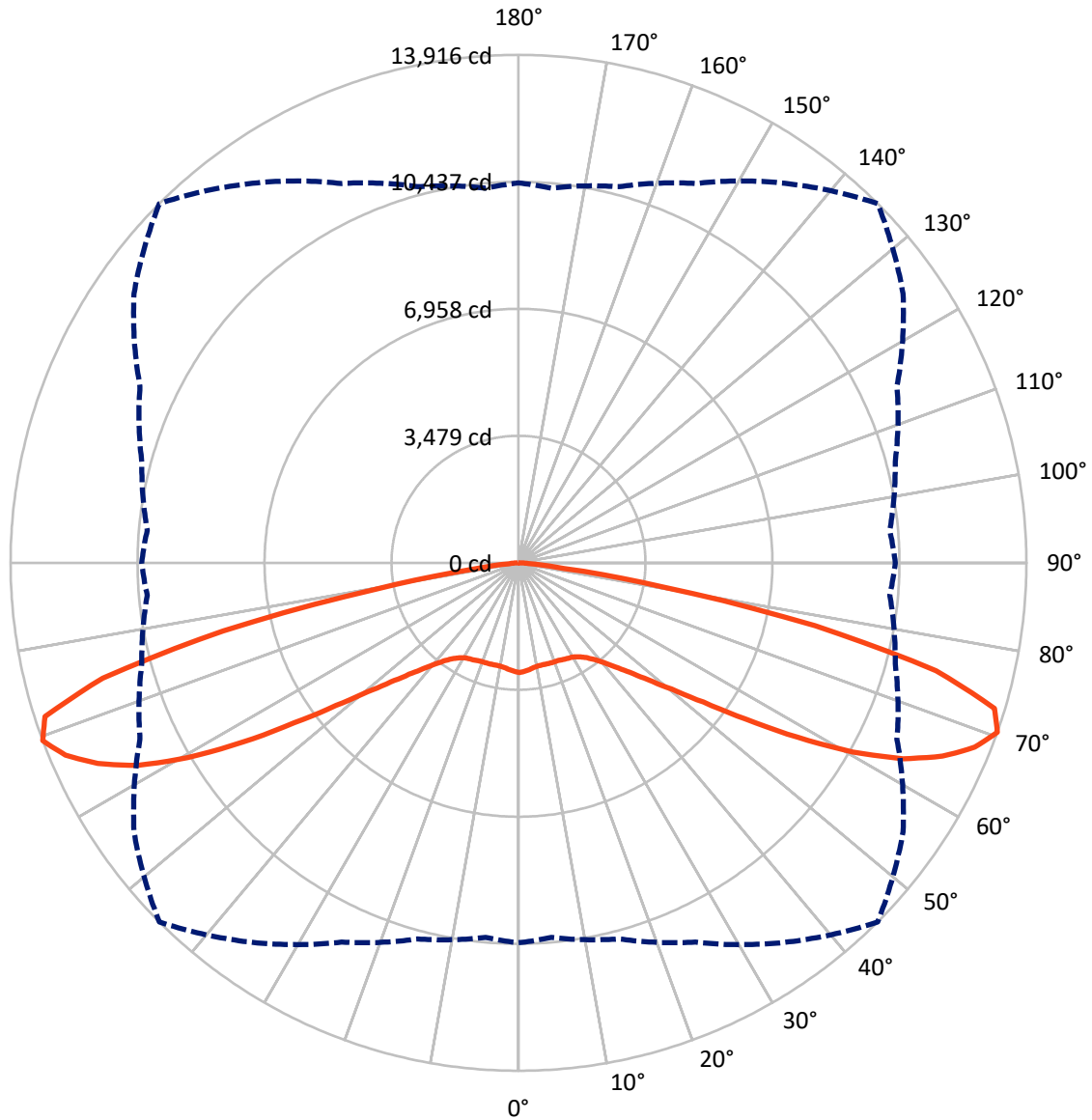
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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
<b>House Side</b>	Lumens	16475.5	0.0	16475.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16475.5	0.0	16475.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32951.0	0.0	32951.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.6	0.8
10°-20°	821.0	2.5
20°-30°	1366.3	4.1
30°-40°	2066.2	6.3
40°-50°	3433.5	10.4
50°-60°	6479.0	19.7
60°-70°	10940.0	33.2
70°-80°	7188.7	21.8
80°-90°	376.6	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°	32951.0	100.0
0°-180°	32951.0	100.0

**Coefficient of Utilization**

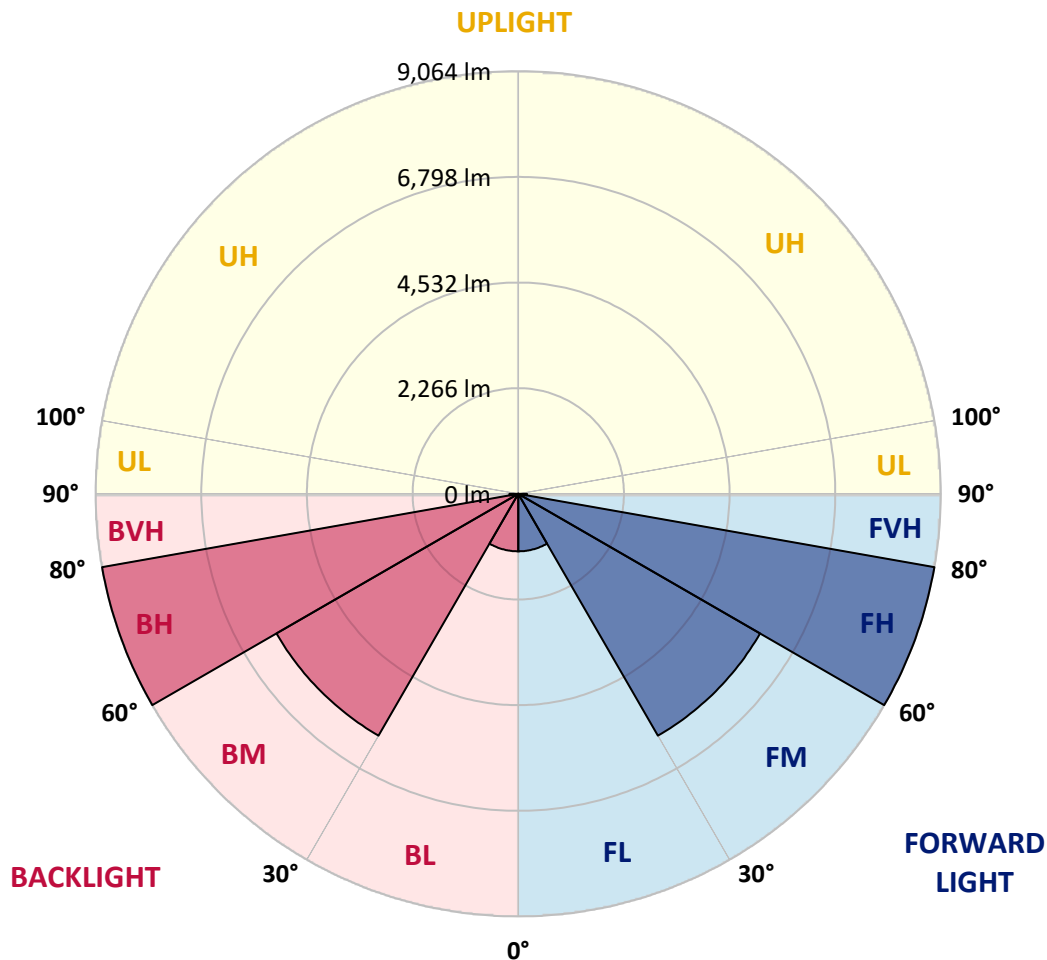


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1233.4	3.7			
FM (30°-60°)	5989.4	18.2			
FH (60°-80°)	9064.4	27.5			G4/12000
FVH (80°-90°)	188.3	0.6			G2/225
BL (0°-30°)	1233.4	3.7	B3/2500		
BM (30°-60°)	5989.4	18.2	B4/8500		
BH (60°-80°)	9064.4	27.5	B5		G4/12000
BVH (80°-90°)	188.3	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-G4**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3005.8	3005.8	3005.8	3005.8	3005.8	3005.8	3005.8	3005.8	3005.8	3005.8
2.5°	2987.0	2995.5	2992.1	2985.2	2985.2	2980.1	2985.2	2988.7	2993.8	2997.2
5°	2947.6	2954.4	2952.7	2947.6	2949.3	2944.1	2947.6	2952.7	2956.1	2957.8
7.5°	2913.3	2920.2	2916.7	2908.2	2908.2	2903.0	2904.7	2909.9	2915.0	2916.7
10°	2904.7	2911.6	2901.3	2887.6	2882.5	2875.6	2877.3	2882.5	2892.8	2897.9
12.5°	2908.2	2913.3	2903.0	2882.5	2877.3	2870.5	2870.5	2875.6	2889.3	2896.2
15°	2918.4	2923.6	2908.2	2885.9	2880.8	2875.6	2873.9	2880.8	2896.2	2908.2
17.5°	2937.3	2942.4	2918.4	2887.6	2880.8	2882.5	2880.8	2885.9	2909.9	2932.1
20°	2954.4	2957.8	2925.3	2887.6	2880.8	2882.5	2880.8	2891.0	2921.9	2952.7
22.5°	2959.6	2963.0	2932.1	2899.6	2894.5	2896.2	2894.5	2904.7	2933.9	2964.7
25°	2961.3	2966.4	2942.4	2916.7	2925.3	2928.7	2925.3	2927.0	2949.3	2976.7
27.5°	2987.0	2993.8	2971.5	2949.3	2954.4	2952.7	2957.8	2963.0	2980.1	3007.5
30°	3040.0	3045.2	3026.3	3004.1	3000.7	2988.7	3004.1	3021.2	3040.0	3064.0
32.5°	3127.4	3137.7	3113.7	3089.7	3074.3	3067.5	3079.4	3108.6	3134.2	3159.9
35°	3273.0	3279.8	3257.6	3213.0	3185.6	3185.6	3195.9	3233.6	3274.7	3307.2
37.5°	3478.5	3487.1	3447.7	3394.6	3353.5	3353.5	3367.2	3406.6	3468.2	3514.5
40°	3728.6	3740.5	3690.9	3636.1	3596.7	3589.8	3607.0	3651.5	3709.7	3767.9
42.5°	4030.0	4043.7	3978.6	3930.7	3899.8	3899.8	3908.4	3949.5	4002.6	4074.5
45°	4415.3	4439.3	4350.3	4302.3	4273.2	4280.0	4285.2	4321.2	4369.1	4451.3
47.5°	4874.4	4898.3	4804.1	4754.5	4749.3	4781.9	4761.3	4787.0	4812.7	4906.9
50°	5395.0	5436.1	5371.0	5367.6	5377.9	5437.8	5389.9	5403.6	5374.5	5434.4
52.5°	6032.1	6092.1	6080.1	6100.6	6215.4	6338.7	6229.1	6181.1	6071.5	6090.4
55°	6804.6	6895.3	6912.5	7035.8	7296.1	7547.9	7315.0	7121.4	6888.5	6845.7
57.5°	7683.2	7755.1	7837.3	8089.1	8575.5	9022.5	8575.5	8147.3	7780.8	7693.5
60°	8628.6	8717.7	8796.4	9168.1	9890.9	10519.4	9877.2	9197.2	8712.5	8594.3
62.5°	9644.2	9759.0	9813.8	10226.6	11069.2	11819.4	11081.2	10257.4	9719.6	9592.9
65°	10618.8	10713.0	10774.6	11214.8	12019.8	12771.6	12074.6	11262.7	10709.5	10543.4
67.5°	11072.6	11124.0	11274.7	11773.1	12622.6	13480.7	12766.5	11826.2	11207.9	10916.8
70°	10408.1	10303.6	10666.7	11464.8	12694.6	13915.7	12859.0	11440.9	10683.8	10211.1
72.5°	8042.9	7863.0	8493.3	9858.3	11872.5	13638.3	11954.7	9935.4	8885.5	7926.4
75°	4376.0	4172.1	5042.2	6768.6	9467.8	11821.1	9685.3	6962.1	5614.2	4343.4
77.5°	1234.9	1157.8	1860.0	3274.7	5694.7	8299.8	5914.0	3346.6	2206.0	1308.5
80°	378.5	366.5	496.7	986.5	2418.3	3975.2	2324.1	998.5	632.0	399.1
82.5°	224.4	205.5	246.6	359.7	616.6	1248.6	599.4	375.1	301.4	202.1
85°	128.5	119.9	145.6	174.7	207.2	265.5	173.0	178.1	161.0	107.9
87.5°	53.1	48.0	56.5	54.8	48.0	61.7	46.2	54.8	65.1	42.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3005.8
2995.5
2957.8
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2897.9
2897.9
2909.9
2932.1
2954.4
2964.7
2975.0
3000.7
3058.9
3149.7
3295.2
3497.3
3749.1
4069.4
4447.9
4879.5
5398.4
6027.0
6778.9
7631.8
8491.6
9490.1
10461.2
10920.2
10324.2
8164.5
4626.0
1454.1
421.3
219.2
113.0
39.4
0.0

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