

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: P851431

Luminaire Tested: **GLAN-SB9B-930-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851431  
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-SB9B-930-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35001 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

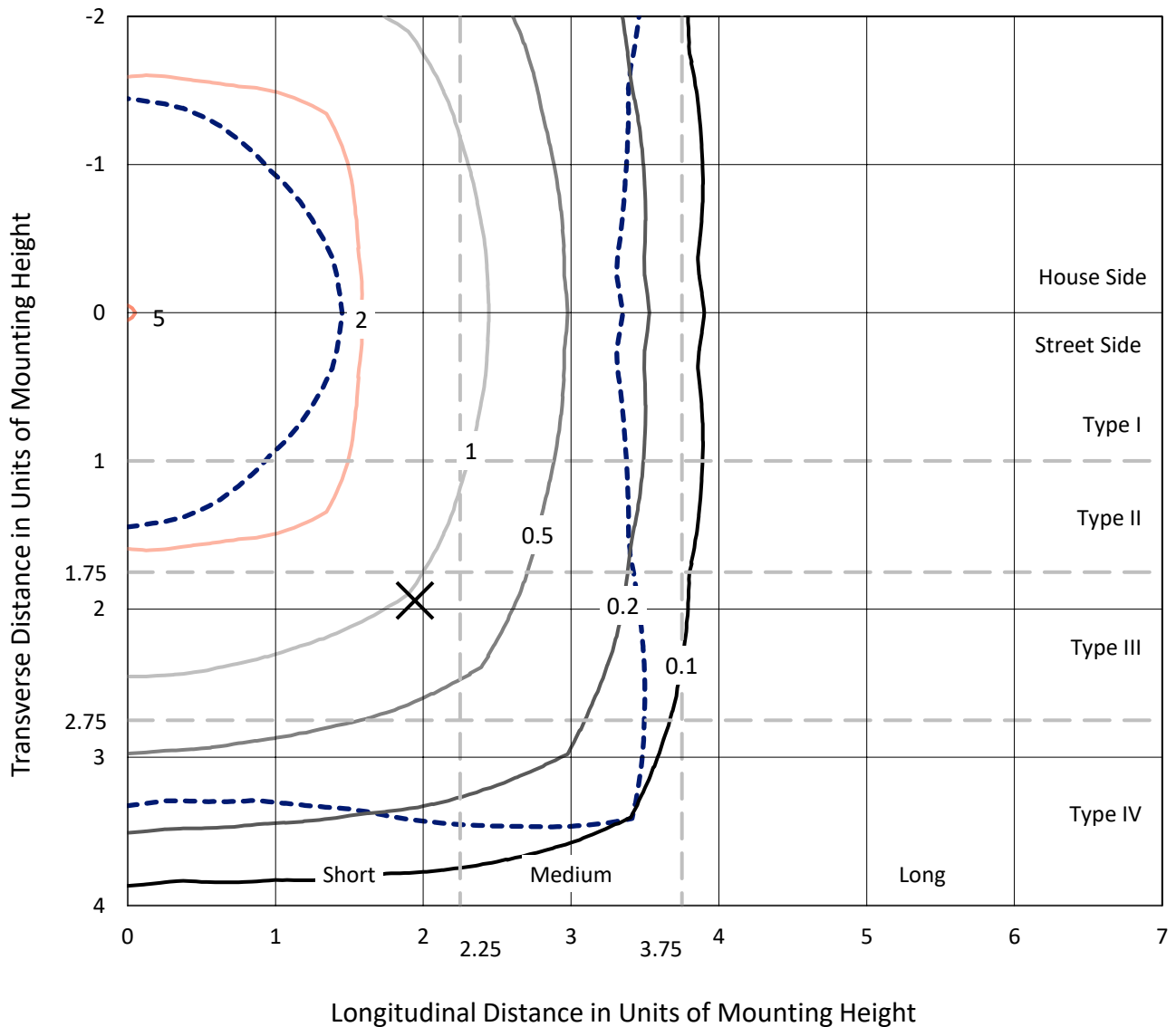
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

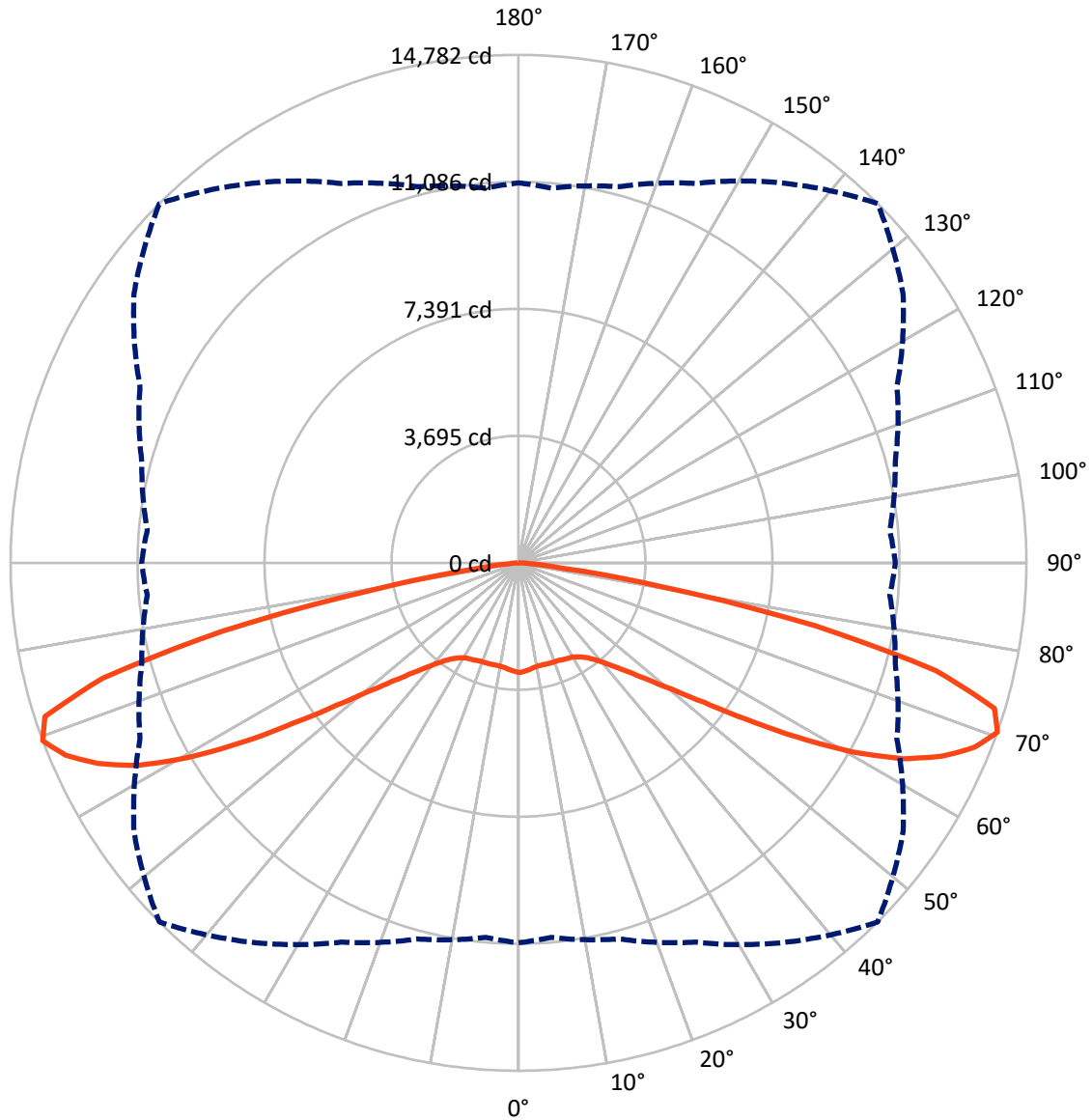
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	17500.5	0.0	17500.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17500.5	0.0	17500.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35001.0	0.0	35001.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.0	0.8
10°-20°	872.1	2.5
20°-30°	1451.3	4.1
30°-40°	2194.8	6.3
40°-50°	3647.2	10.4
50°-60°	6882.1	19.7
60°-70°	11620.6	33.2
70°-80°	7636.0	21.8
80°-90°	400.0	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°	35001.0	100.0
0°-180°	35001.0	100.0

**Coefficient of Utilization**



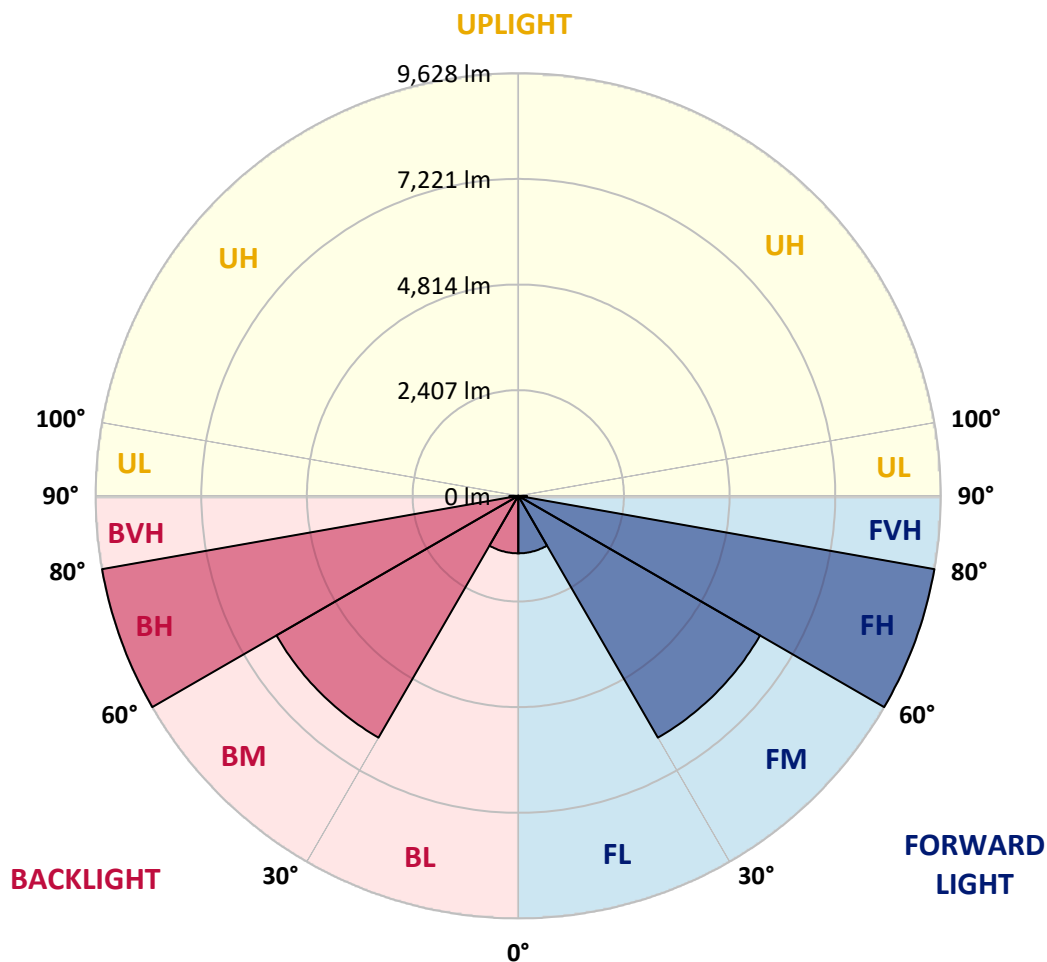
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1310.2	3.7			
FM (30°-60°)	6362.0	18.2			
FH (60°-80°)	9628.3	27.5			G4/12000
FVH (80°-90°)	200.0	0.6			G2/225
BL (0°-30°)	1310.2	3.7	B3/2500		
BM (30°-60°)	6362.0	18.2	B4/8500		
BH (60°-80°)	9628.3	27.5	B5		G4/12000
BVH (80°-90°)	200.0	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-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3192.8	3192.8	3192.8	3192.8	3192.8	3192.8	3192.8	3192.8	3192.8	3192.8
2.5°	3172.8	3181.9	3178.2	3171.0	3171.0	3165.5	3171.0	3174.6	3180.1	3183.7
5°	3130.9	3138.2	3136.4	3130.9	3132.8	3127.3	3130.9	3136.4	3140.0	3141.9
7.5°	3094.6	3101.8	3098.2	3089.1	3089.1	3083.6	3085.5	3090.9	3096.4	3098.2
10°	3085.5	3092.7	3081.8	3067.3	3061.8	3054.5	3056.4	3061.8	3072.7	3078.2
12.5°	3089.1	3094.6	3083.6	3061.8	3056.4	3049.1	3049.1	3054.5	3069.1	3076.4
15°	3100.0	3105.5	3089.1	3065.4	3060.0	3054.5	3052.7	3060.0	3076.4	3089.1
17.5°	3120.0	3125.5	3100.0	3067.3	3060.0	3061.8	3060.0	3065.4	3090.9	3114.6
20°	3138.2	3141.9	3107.3	3067.3	3060.0	3061.8	3060.0	3070.9	3103.7	3136.4
22.5°	3143.7	3147.3	3114.6	3080.0	3074.5	3076.4	3074.5	3085.5	3116.4	3149.1
25°	3145.5	3151.0	3125.5	3098.2	3107.3	3110.9	3107.3	3109.1	3132.8	3161.9
27.5°	3172.8	3180.1	3156.4	3132.8	3138.2	3136.4	3141.9	3147.3	3165.5	3194.6
30°	3229.2	3234.6	3214.6	3191.0	3187.3	3174.6	3191.0	3209.2	3229.2	3254.7
32.5°	3322.0	3332.9	3307.4	3281.9	3265.6	3258.3	3271.0	3302.0	3329.2	3356.5
35°	3476.6	3483.9	3460.2	3412.9	3383.8	3383.8	3394.7	3434.8	3478.4	3513.0
37.5°	3694.9	3704.0	3662.2	3605.8	3562.1	3562.1	3576.7	3618.5	3684.0	3733.1
40°	3960.5	3973.3	3920.5	3862.3	3820.4	3813.2	3831.4	3878.7	3940.5	4002.4
42.5°	4280.7	4295.3	4226.1	4175.2	4142.4	4142.4	4151.5	4195.2	4251.6	4328.0
45°	4690.0	4715.5	4620.9	4570.0	4539.0	4546.3	4551.8	4590.0	4640.9	4728.2
47.5°	5177.6	5203.1	5103.0	5050.3	5044.8	5079.4	5057.5	5084.8	5112.1	5212.2
50°	5730.7	5774.3	5705.2	5701.6	5712.5	5776.1	5725.2	5739.8	5708.8	5772.5
52.5°	6407.4	6471.1	6458.4	6480.2	6602.1	6733.1	6616.6	6565.7	6449.3	6469.3
55°	7227.9	7324.3	7342.5	7473.5	7750.0	8017.5	7770.0	7564.5	7317.1	7271.6
57.5°	8161.2	8237.6	8324.9	8592.4	9109.0	9583.8	9109.0	8654.2	8264.9	8172.1
60°	9165.4	9260.0	9343.7	9738.5	10506.2	11173.9	10491.7	9769.4	9254.6	9129.0
62.5°	10244.2	10366.1	10424.3	10862.8	11757.9	12554.7	11770.6	10895.5	10324.3	10189.7
65°	11279.4	11379.5	11444.9	11912.5	12767.5	13566.2	12825.8	11963.4	11375.8	11199.3
67.5°	11761.5	11816.1	11976.2	12505.6	13407.9	14319.4	13560.7	12562.0	11905.2	11595.9
70°	11055.6	10944.6	11330.3	12178.1	13484.3	14781.5	13659.0	12152.6	11348.5	10846.4
72.5°	8543.2	8352.2	9021.7	10471.6	12611.1	14486.7	12698.4	10553.5	9438.3	8419.5
75°	4648.2	4431.7	5355.9	7189.7	10056.9	12556.5	10287.9	7395.3	5963.5	4613.6
77.5°	1311.7	1229.8	1975.7	3478.4	6049.0	8816.1	6281.9	3554.8	2343.2	1389.9
80°	402.1	389.3	527.6	1047.9	2568.8	4222.5	2468.7	1060.6	671.3	423.9
82.5°	238.3	218.3	262.0	382.0	654.9	1326.2	636.7	398.4	320.2	214.7
85°	136.4	127.3	154.6	185.6	220.1	282.0	183.7	189.2	171.0	114.6
87.5°	56.4	50.9	60.0	58.2	50.9	65.5	49.1	58.2	69.1	45.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3192.8
3181.9
3141.9
3098.2
3078.2
3078.2
3090.9
3114.6
3138.2
3149.1
3160.0
3187.3
3249.2
3345.6
3500.3
3714.9
3982.4
4322.6
4724.6
5183.1
5734.3
6402.0
7200.6
8106.6
9019.9
10080.5
11112.0
11599.6
10966.5
8672.4
4913.8
1544.5
447.5
232.9
120.1
41.8
0.0

OF REPORT)