

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: P851371

Luminaire Tested: **GLAN-SB9B-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851371  
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-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41364 lumens  
Efficiency: N/A  
Efficacy: 125.5 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

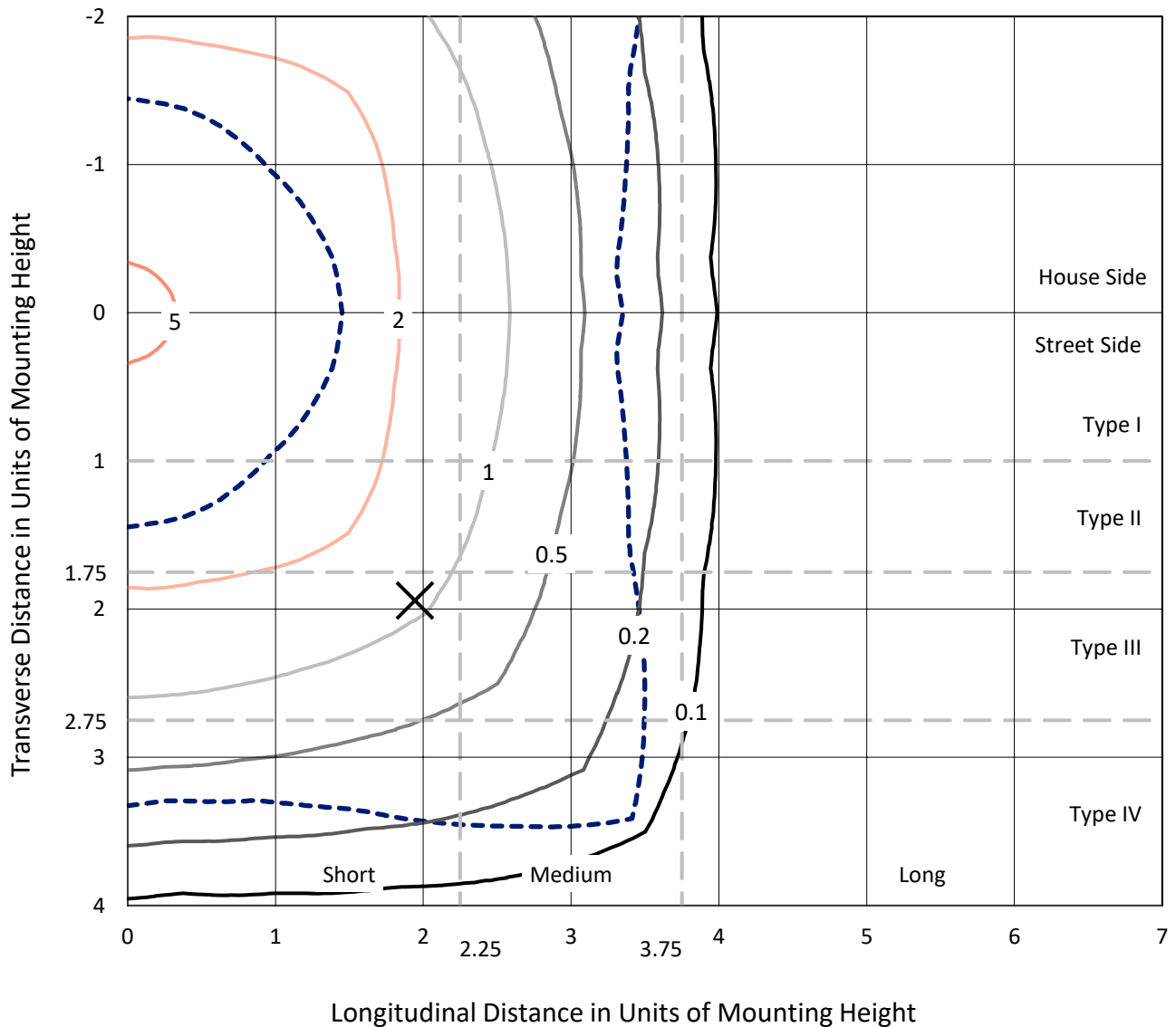
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

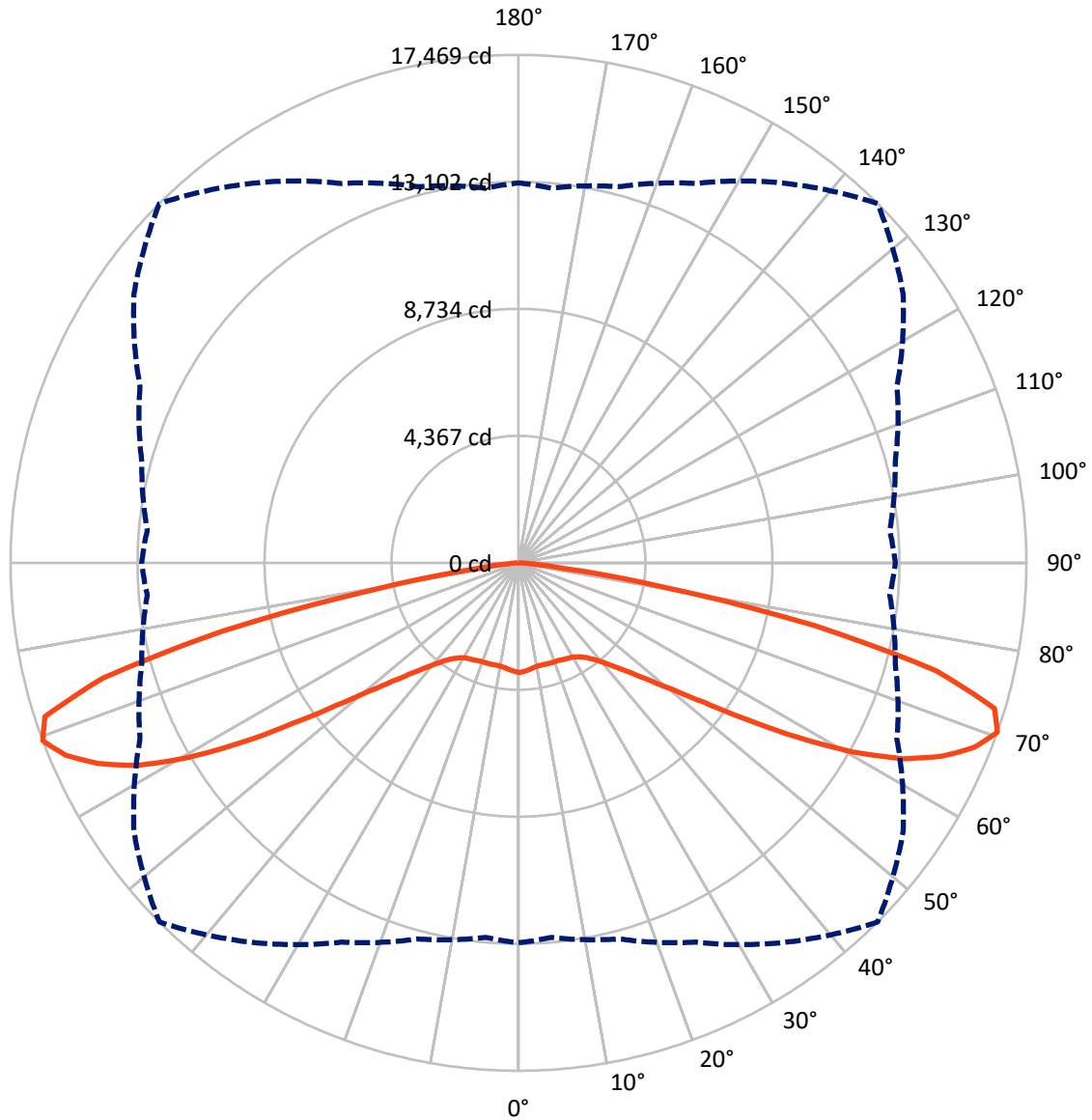
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	20682.0	0.0	20682.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20682.0	0.0	20682.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41364.0	0.0	41364.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.0	0.8
10°-20°	1030.6	2.5
20°-30°	1715.1	4.1
30°-40°	2593.8	6.3
40°-50°	4310.2	10.4
50°-60°	8133.2	19.7
60°-70°	13733.2	33.2
70°-80°	9024.1	21.8
80°-90°	472.8	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°	41364.0	100.0
0°-180°	41364.0	100.0

**Coefficient of Utilization**



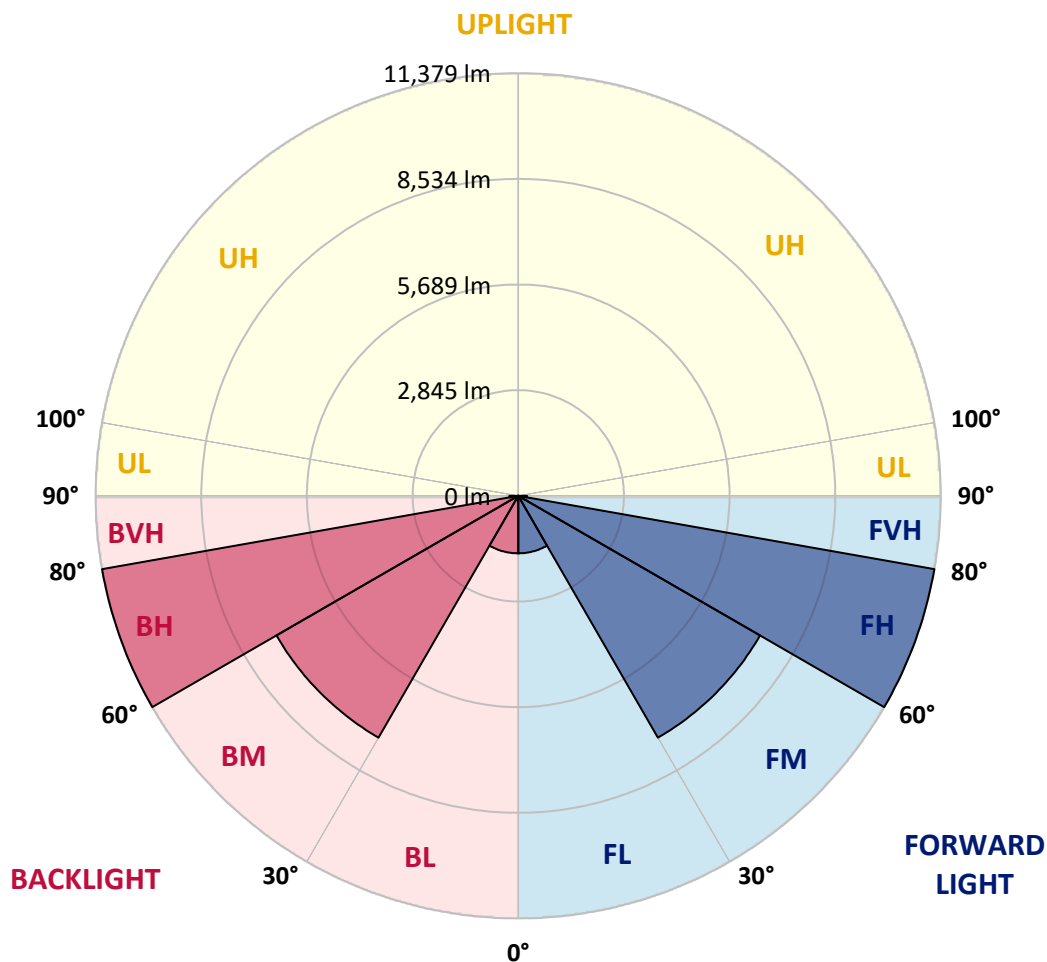
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1548.4	3.7			
FM (30°-60°)	7518.6	18.2			
FH (60°-80°)	11378.7	27.5			G4/12000
FVH (80°-90°)	236.4	0.6			G3/500
BL (0°-30°)	1548.4	3.7	B3/2500		
BM (30°-60°)	7518.6	18.2	B4/8500		
BH (60°-80°)	11378.7	27.5	B5		G4/12000
BVH (80°-90°)	236.4	0.6			G3/500
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°	3773.2	3773.2	3773.2	3773.2	3773.2	3773.2	3773.2	3773.2	3773.2	3773.2
2.5°	3749.6	3760.3	3756.0	3747.4	3747.4	3741.0	3747.4	3751.7	3758.2	3762.5
5°	3700.1	3708.7	3706.6	3700.1	3702.3	3695.8	3700.1	3706.6	3710.9	3713.0
7.5°	3657.1	3665.7	3661.4	3650.7	3650.7	3644.2	3646.4	3652.8	3659.3	3661.4
10°	3646.4	3655.0	3642.1	3624.9	3618.4	3609.8	3612.0	3618.4	3631.3	3637.8
12.5°	3650.7	3657.1	3644.2	3618.4	3612.0	3603.4	3603.4	3609.8	3627.0	3635.6
15°	3663.6	3670.0	3650.7	3622.7	3616.3	3609.8	3607.7	3616.3	3635.6	3650.7
17.5°	3687.2	3693.7	3663.6	3624.9	3616.3	3618.4	3616.3	3622.7	3652.8	3680.8
20°	3708.7	3713.0	3672.2	3624.9	3616.3	3618.4	3616.3	3629.2	3667.9	3706.6
22.5°	3715.2	3719.5	3680.8	3639.9	3633.5	3635.6	3633.5	3646.4	3682.9	3721.6
25°	3717.3	3723.8	3693.7	3661.4	3672.2	3676.5	3672.2	3674.3	3702.3	3736.7
27.5°	3749.6	3758.2	3730.2	3702.3	3708.7	3706.6	3713.0	3719.5	3741.0	3775.4
30°	3816.2	3822.7	3799.0	3771.1	3766.8	3751.7	3771.1	3792.6	3816.2	3846.3
32.5°	3925.9	3938.8	3908.7	3878.6	3859.2	3850.6	3865.7	3902.2	3934.5	3966.7
35°	4108.6	4117.2	4089.3	4033.4	3999.0	3999.0	4011.9	4059.2	4110.8	4151.6
37.5°	4366.6	4377.4	4327.9	4261.3	4209.7	4209.7	4226.9	4276.3	4353.7	4411.8
40°	4680.5	4695.6	4633.2	4564.4	4515.0	4506.4	4527.9	4583.8	4656.9	4730.0
42.5°	5058.9	5076.1	4994.4	4934.2	4895.5	4895.5	4906.3	4957.9	5024.5	5114.8
45°	5542.7	5572.8	5461.0	5400.8	5364.2	5372.8	5379.3	5424.4	5484.6	5587.8
47.5°	6118.9	6149.0	6030.7	5968.4	5961.9	6002.8	5977.0	6009.2	6041.5	6159.7
50°	6772.5	6824.1	6742.4	6738.1	6751.0	6826.2	6766.0	6783.2	6746.7	6821.9
52.5°	7572.3	7647.5	7632.5	7658.3	7802.3	7957.1	7819.5	7759.3	7621.7	7645.4
55°	8541.9	8655.9	8677.4	8832.2	9159.0	9475.0	9182.6	8939.7	8647.3	8593.5
57.5°	9644.8	9735.1	9838.3	10154.4	10765.0	11326.1	10765.0	10227.5	9767.4	9657.7
60°	10831.6	10943.4	11042.3	11508.9	12416.2	13205.2	12399.0	11545.4	10937.0	10788.6
62.5°	12106.6	12250.6	12319.4	12837.6	13895.4	14837.1	13910.4	12876.3	12201.2	12042.1
65°	13329.9	13448.2	13525.6	14078.1	15088.6	16032.5	15157.4	14138.3	13443.9	13235.3
67.5°	13899.7	13964.2	14153.4	14779.0	15845.4	16922.6	16026.0	14845.7	14069.5	13704.0
70°	13065.5	12934.3	13390.1	14392.0	15935.7	17468.7	16142.1	14361.9	13411.6	12818.2
72.5°	10096.3	9870.6	10661.8	12375.3	14903.7	17120.4	15006.9	12472.1	11154.1	9950.1
75°	5493.2	5237.4	6329.6	8496.8	11885.1	14839.2	12158.2	8739.7	7047.7	5452.4
77.5°	1550.1	1453.4	2334.9	4110.8	7148.7	10418.8	7423.9	4201.1	2769.2	1642.6
80°	475.1	460.1	623.5	1238.4	3035.8	4990.1	2917.5	1253.4	793.3	500.9
82.5°	281.6	258.0	309.6	451.5	774.0	1567.3	752.5	470.8	378.4	253.7
85°	161.2	150.5	182.7	219.3	260.1	333.2	217.1	223.6	202.1	135.4
87.5°	66.6	60.2	70.9	68.8	60.2	77.4	58.0	68.8	81.7	53.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
3773.2  
3760.3  
3713.0  
3661.4  
3637.8  
3637.8  
3652.8  
3680.8  
3708.7  
3721.6  
3734.5  
3766.8  
3839.9  
3953.8  
4136.6  
4390.3  
4706.3  
5108.4  
5583.5  
6125.3  
6776.8  
7565.8  
8509.7  
9580.3  
10659.6  
11913.1  
13132.1  
13708.3  
*12960.1*  
10249.0  
5807.1  
1825.3  
528.9  
275.2  
141.9  
49.4  
0.0

OF REPORT)