

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: P850011

Luminaire Tested: **GLAN-SB7B-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850011  
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-SB7B-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 32297 lumens  
Efficiency: N/A  
Efficacy: 125.8 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

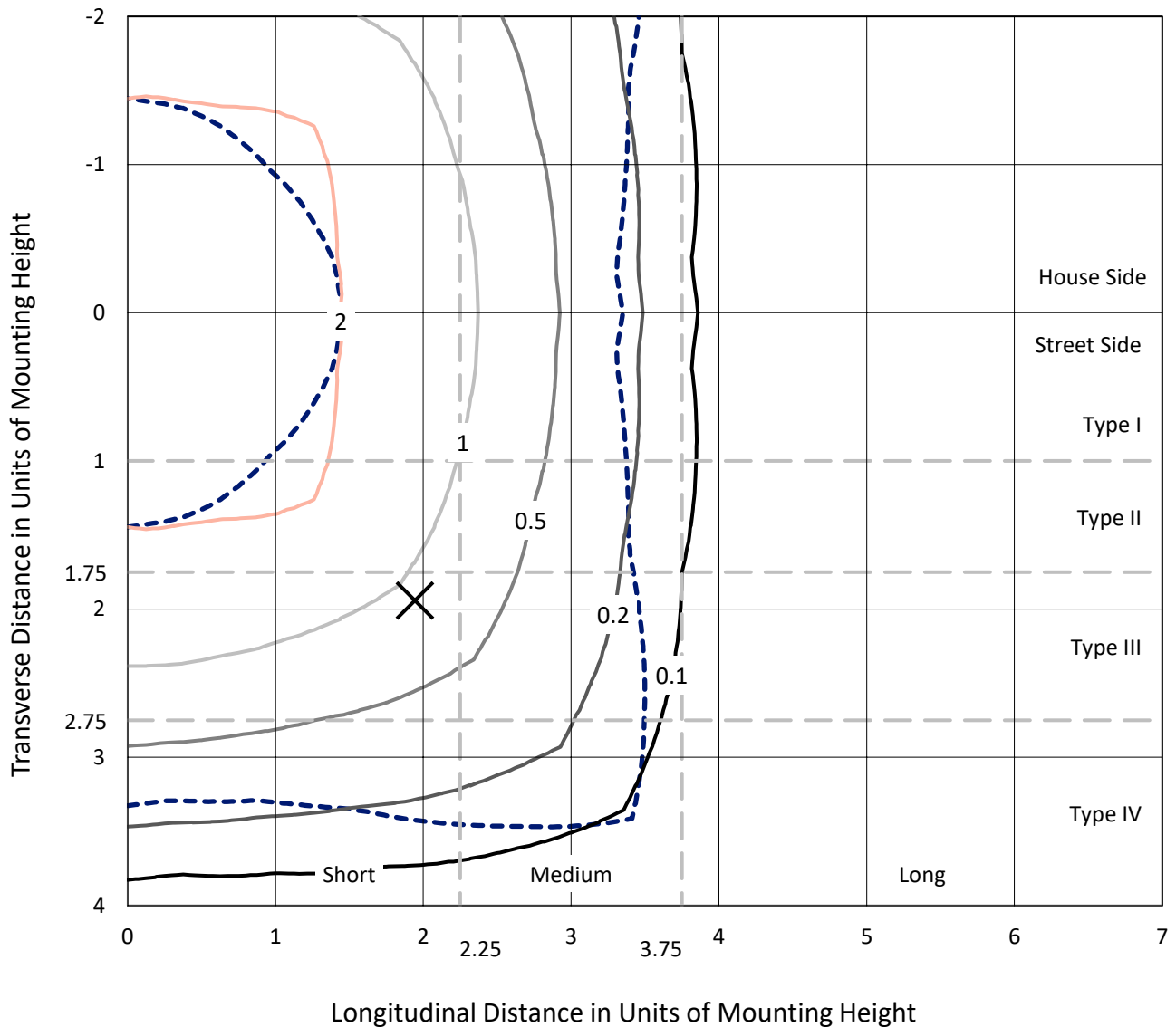
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

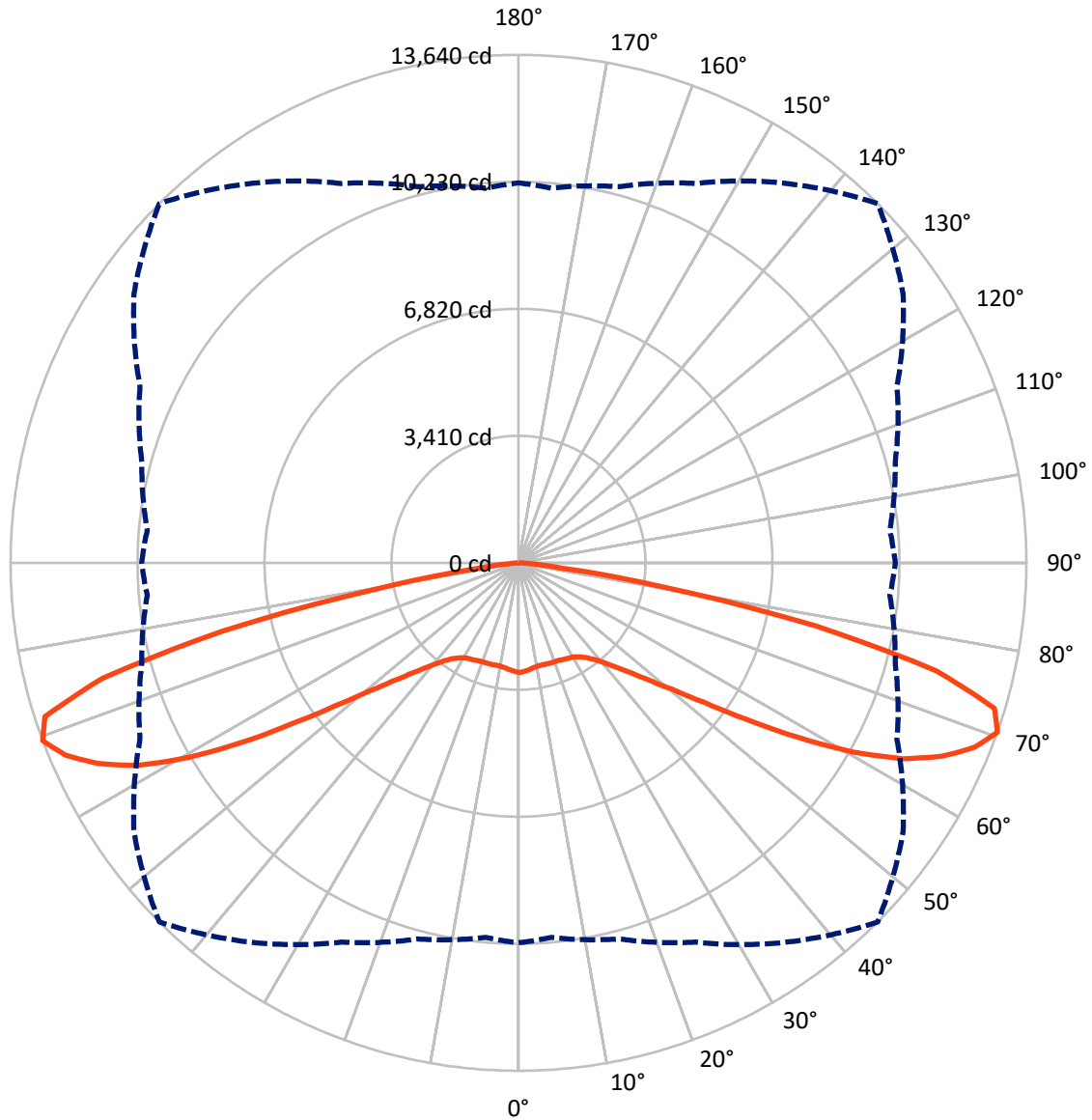
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	16148.5	0.0	16148.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16148.5	0.0	16148.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32297.0	0.0	32297.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.1	0.8
10°-20°	804.7	2.5
20°-30°	1339.1	4.1
30°-40°	2025.2	6.3
40°-50°	3365.4	10.4
50°-60°	6350.4	19.7
60°-70°	10722.9	33.2
70°-80°	7046.1	21.8
80°-90°	369.1	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°	32297.0	100.0
0°-180°	32297.0	100.0

**Coefficient of Utilization**



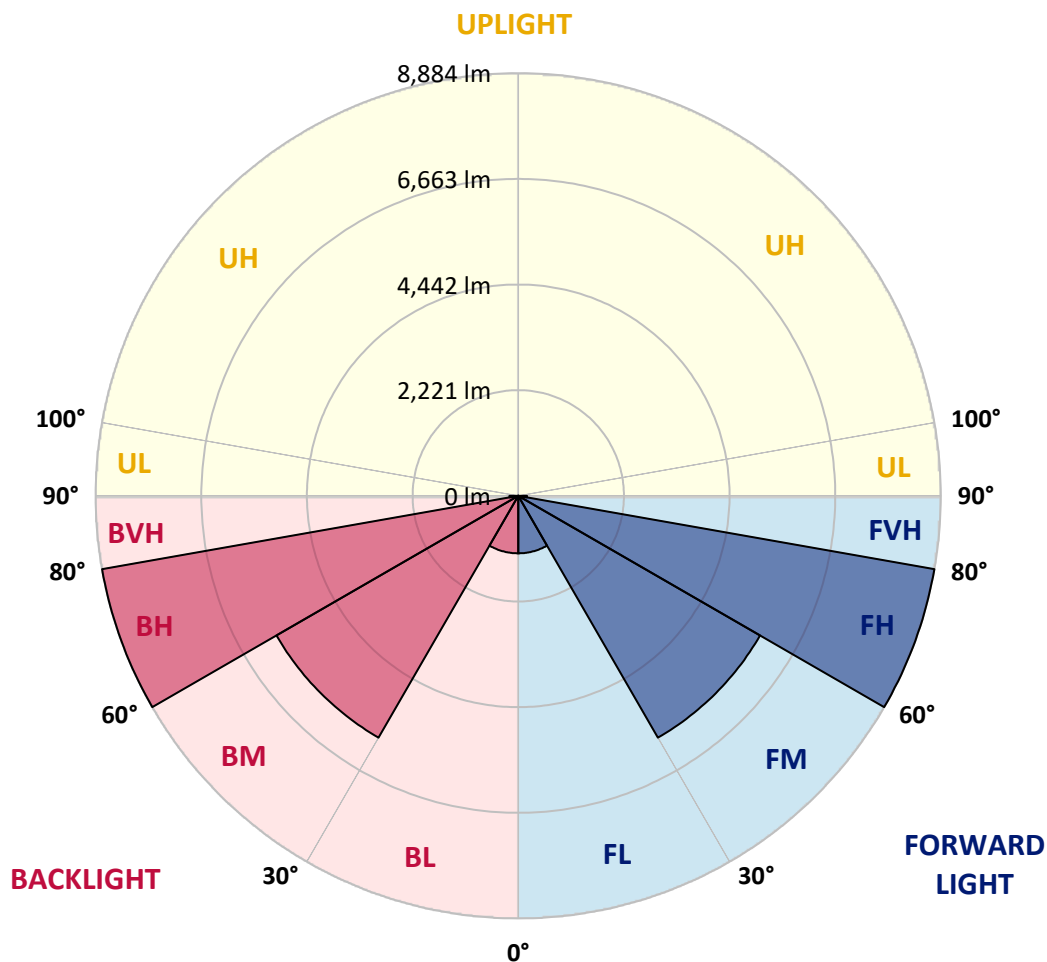
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1209.0	3.7			
FM (30°-60°)	5870.5	18.2			
FH (60°-80°)	8884.5	27.5			G4/12000
FVH (80°-90°)	184.6	0.6			G2/225
BL (0°-30°)	1209.0	3.7	B3/2500		
BM (30°-60°)	5870.5	18.2	B4/8500		
BH (60°-80°)	8884.5	27.5	B5		G4/12000
BVH (80°-90°)	184.6	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°	2946.1	2946.1	2946.1	2946.1	2946.1	2946.1	2946.1	2946.1	2946.1	2946.1
2.5°	2927.7	2936.1	2932.7	2926.0	2926.0	2921.0	2926.0	2929.3	2934.4	2937.7
5°	2889.1	2895.8	2894.1	2889.1	2890.7	2885.7	2889.1	2894.1	2897.5	2899.1
7.5°	2855.5	2862.2	2858.8	2850.5	2850.5	2845.4	2847.1	2852.1	2857.2	2858.8
10°	2847.1	2853.8	2843.7	2830.3	2825.3	2818.6	2820.2	2825.3	2835.3	2840.4
12.5°	2850.5	2855.5	2845.4	2825.3	2820.2	2813.5	2813.5	2818.6	2832.0	2838.7
15°	2860.5	2865.6	2850.5	2828.6	2823.6	2818.6	2816.9	2823.6	2838.7	2850.5
17.5°	2879.0	2884.0	2860.5	2830.3	2823.6	2825.3	2823.6	2828.6	2852.1	2874.0
20°	2895.8	2899.1	2867.2	2830.3	2823.6	2825.3	2823.6	2833.7	2863.9	2894.1
22.5°	2900.8	2904.2	2874.0	2842.1	2837.0	2838.7	2837.0	2847.1	2875.6	2905.8
25°	2902.5	2907.5	2884.0	2858.8	2867.2	2870.6	2867.2	2868.9	2890.7	2917.6
27.5°	2927.7	2934.4	2912.6	2890.7	2895.8	2894.1	2899.1	2904.2	2921.0	2947.8
30°	2979.7	2984.7	2966.3	2944.5	2941.1	2929.3	2944.5	2961.2	2979.7	3003.2
32.5°	3065.3	3075.4	3051.9	3028.4	3013.3	3006.6	3018.3	3046.9	3072.0	3097.2
35°	3208.0	3214.7	3192.9	3149.3	3122.4	3122.4	3132.5	3169.4	3209.7	3241.6
37.5°	3409.5	3417.9	3379.2	3327.2	3286.9	3286.9	3300.3	3339.0	3399.4	3444.7
40°	3654.6	3666.3	3617.6	3563.9	3525.3	3518.6	3535.4	3579.0	3636.1	3693.2
42.5°	3950.0	3963.4	3899.6	3852.6	3822.4	3822.4	3830.8	3871.1	3923.1	3993.7
45°	4327.7	4351.2	4263.9	4216.9	4188.4	4195.1	4200.1	4235.4	4282.4	4363.0
47.5°	4777.6	4801.1	4708.8	4660.1	4655.1	4687.0	4666.8	4692.0	4717.2	4809.5
50°	5287.9	5328.2	5264.4	5261.1	5271.2	5329.9	5282.9	5296.3	5267.8	5326.5
52.5°	5912.4	5971.2	5959.4	5979.6	6092.0	6212.9	6105.5	6058.5	5951.0	5969.5
55°	6669.5	6758.5	6775.3	6896.1	7151.3	7398.1	7169.8	6980.1	6751.8	6709.8
57.5°	7530.7	7601.2	7681.8	7928.5	8405.3	8843.4	8405.3	7985.6	7626.4	7540.8
60°	8457.3	8544.6	8621.9	8986.1	9694.6	10310.6	9681.1	9014.7	8539.6	8423.8
62.5°	9452.8	9565.3	9619.0	10023.6	10849.5	11584.8	10861.3	10053.8	9526.7	9402.5
65°	10408.0	10500.3	10560.8	10992.2	11781.2	12518.1	11834.9	11039.2	10497.0	10334.1
67.5°	10852.9	10903.2	11051.0	11539.5	12372.1	13213.1	12513.1	11591.5	10985.5	10700.1
70°	10201.5	10099.1	10455.0	11237.3	12442.6	13639.5	12603.8	11213.8	10471.8	10008.5
72.5°	7883.2	7707.0	8324.7	9662.7	11636.8	13367.6	11717.4	9738.2	8709.1	7769.1
75°	4289.1	4089.3	4942.1	6634.3	9279.9	11586.5	9493.1	6824.0	5502.8	4257.2
77.5°	1210.4	1134.8	1823.1	3209.7	5581.7	8135.0	5796.6	3280.2	2162.2	1282.5
80°	371.0	359.2	486.8	966.9	2370.3	3896.3	2278.0	978.7	619.4	391.1
82.5°	219.9	201.4	241.7	352.5	604.3	1223.8	587.5	367.6	295.5	198.1
85°	125.9	117.5	142.7	171.2	203.1	260.2	169.5	174.6	157.8	105.8
87.5°	52.0	47.0	55.4	53.7	47.0	60.4	45.3	53.7	63.8	42.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2946.1
2936.1
2899.1
2858.8
2840.4
2840.4
2852.1
2874.0
2895.8
2905.8
2915.9
2941.1
2998.2
3087.1
3229.8
3427.9
3674.7
3988.6
4359.6
4782.6
5291.3
5907.4
6644.3
7480.3
8323.0
9301.7
10253.6
10703.5
10119.3
8002.4
4534.2
1425.2
413.0
214.9
110.8
38.6
0.0

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