

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: P850544

Luminaire Tested: **GLAN-SB8A-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29711 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

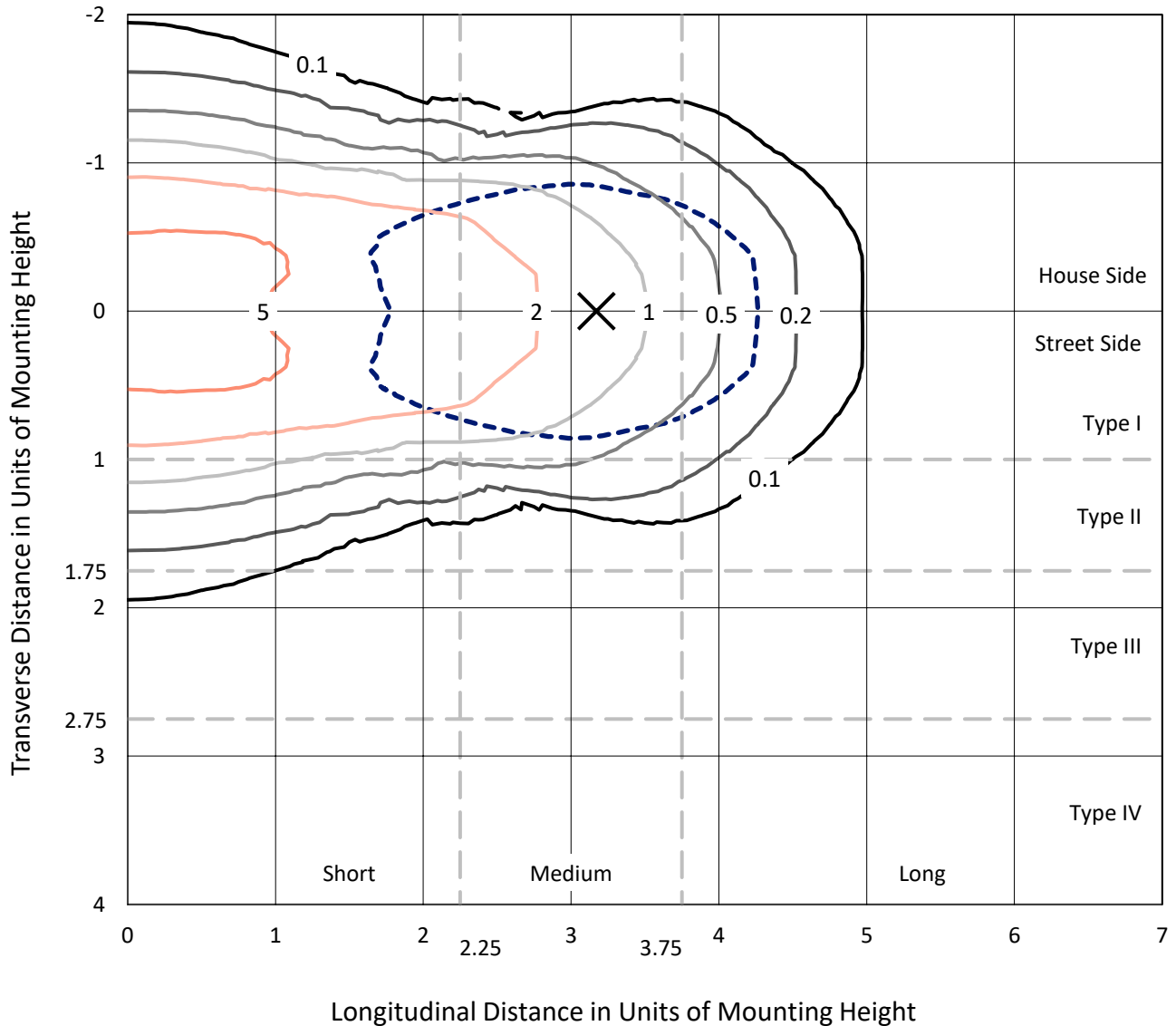
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

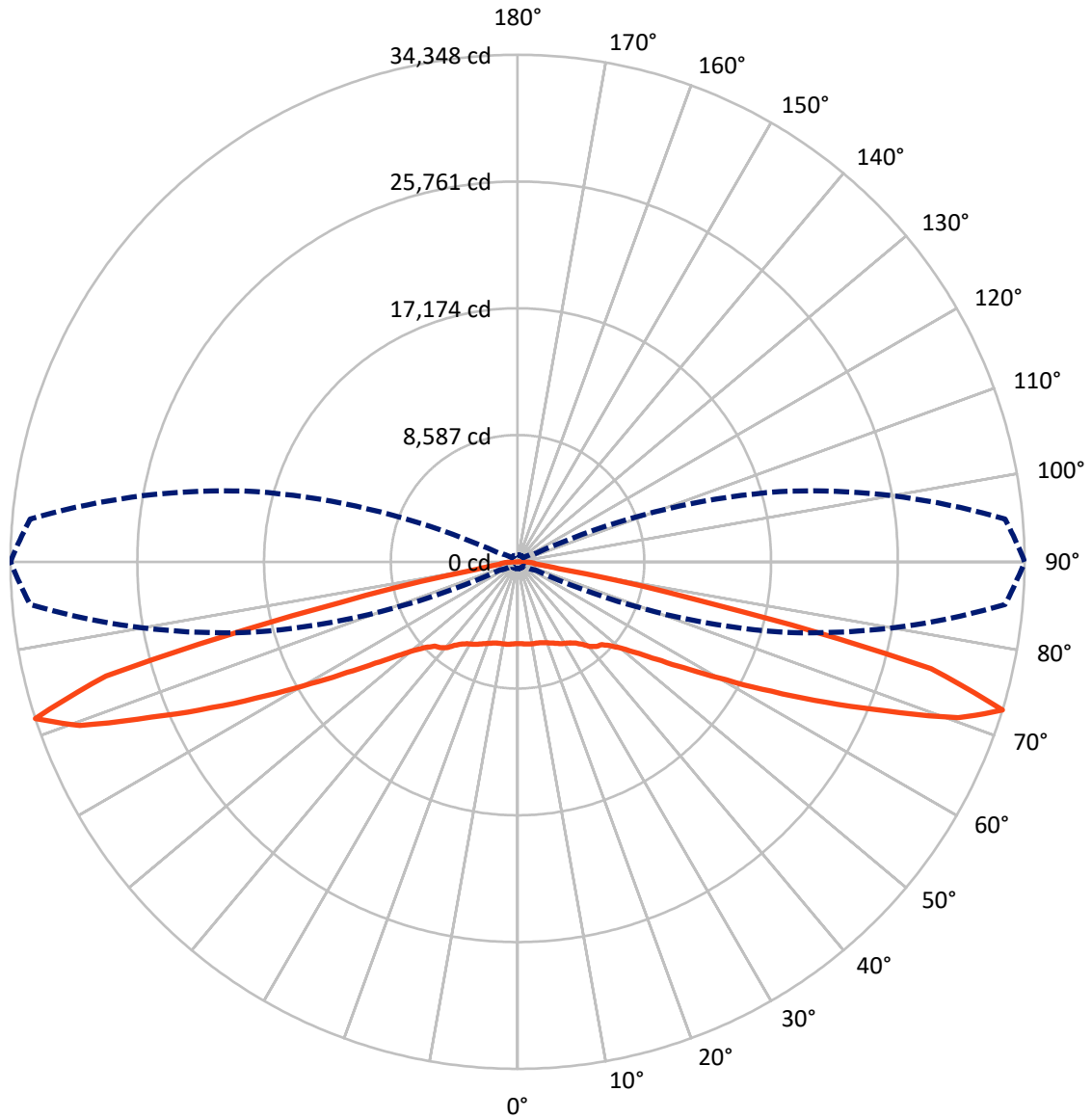
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14855.5	0.0	14855.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14855.5	0.0	14855.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29711.0	0.0	29711.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	538.3	1.8
10°-20°	1646.0	5.5
20°-30°	2744.5	9.2
30°-40°	3774.5	12.7
40°-50°	4609.7	15.5
50°-60°	5331.6	17.9
60°-70°	6357.1	21.4
70°-80°	4436.8	14.9
80°-90°	272.5	0.9
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°	29711.0	100.0
0°-180°	29711.0	100.0

**Coefficient of Utilization**

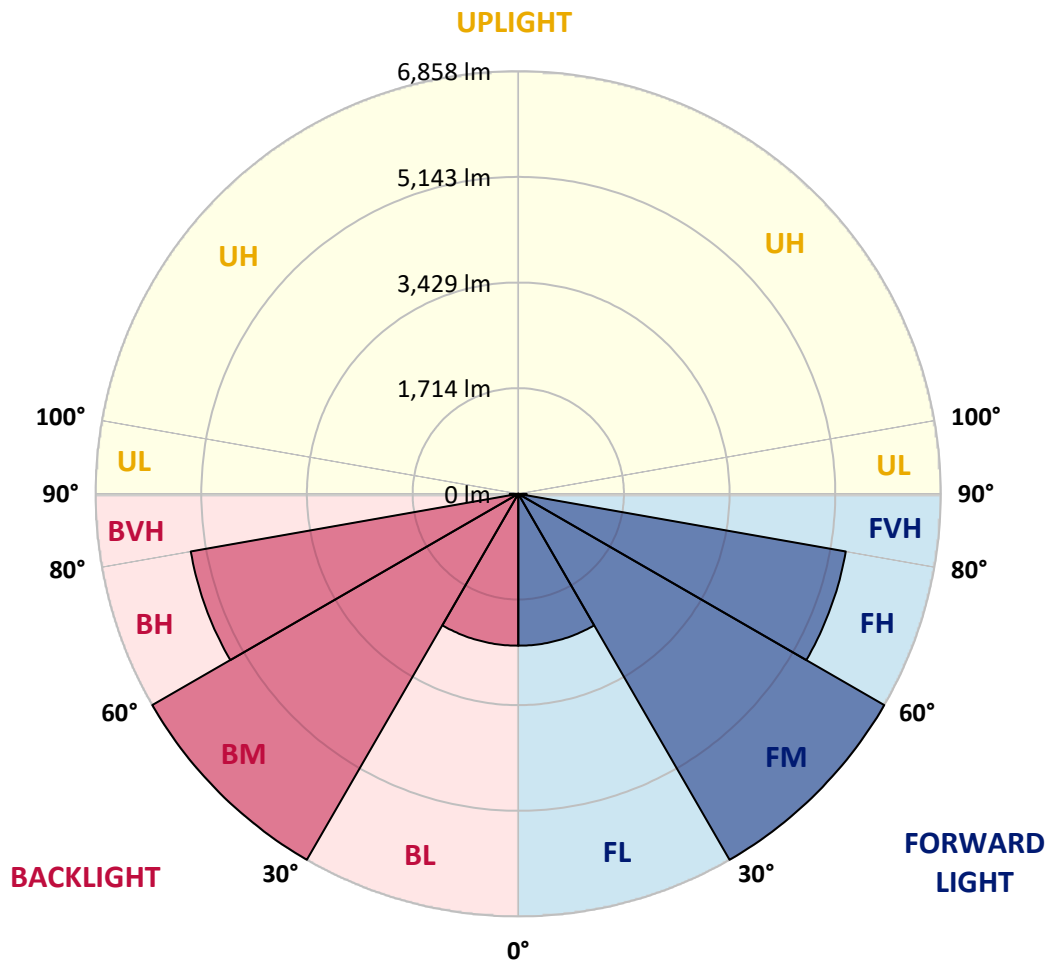


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2464.4	8.3			
FM (30°-60°)	6857.9	23.1			
FH (60°-80°)	5397.0	18.2			G3/7500
FVH (80°-90°)	136.3	0.5			G2/225
BL (0°-30°)	2464.4	8.3	B3/2500		
BM (30°-60°)	6857.9	23.1	B4/8500		
BH (60°-80°)	5397.0	18.2	B5		G5
BVH (80°-90°)	136.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5551.8	5551.8	5551.8	5551.8	5551.8	5551.8	5551.8	5551.8	5551.8	5551.8
2.5°	5556.6	5562.9	5562.9	5558.1	5569.2	5559.7	5559.7	5555.0	5559.7	5555.0
5°	5585.0	5592.9	5596.0	5594.4	5608.7	5600.8	5600.8	5594.4	5596.0	5591.3
7.5°	5638.7	5649.7	5656.0	5663.9	5684.5	5675.0	5668.7	5649.7	5641.8	5629.2
10°	5656.0	5668.7	5689.2	5730.2	5777.6	5779.2	5760.2	5712.9	5676.6	5648.1
12.5°	5602.3	5619.7	5662.3	5746.0	5851.8	5894.5	5864.5	5785.5	5714.5	5663.9
15°	5534.4	5553.4	5618.1	5744.5	5900.8	6000.3	5997.1	5892.9	5779.2	5700.2
17.5°	5428.7	5447.6	5540.8	5717.6	5938.7	6102.9	6147.1	6039.7	5880.2	5774.5
20°	5237.6	5255.0	5384.4	5632.3	5951.3	6211.8	6327.1	6232.4	6033.4	5889.7
22.5°	4989.7	5016.5	5168.1	5485.5	5921.3	6325.5	6532.4	6467.6	6211.8	6012.9
25°	4724.4	4752.8	4929.7	5305.5	5843.9	6407.6	6775.5	6734.5	6414.0	6166.1
27.5°	4495.5	4525.5	4718.1	5127.1	5723.9	6439.2	7015.6	7036.1	6658.7	6335.0
30°	4315.4	4343.9	4549.1	4983.4	5569.2	6407.6	7225.6	7367.7	6908.2	6481.9
32.5°	4118.1	4154.4	4370.7	4808.1	5386.0	6331.8	7408.7	7726.1	7197.1	6639.8
35°	3868.6	3901.7	4129.1	4568.1	5146.0	6210.3	7561.9	8124.0	7610.8	6879.8
37.5°	3565.4	3597.0	3822.8	4268.1	4907.6	6039.7	7678.7	8572.5	8103.5	7225.6
40°	3260.7	3290.7	3502.3	3933.3	4621.8	5821.8	7719.8	9011.4	8668.8	7700.9
42.5°	2981.2	3008.0	3202.2	3603.3	4301.2	5543.9	7666.1	9393.6	9175.7	8032.4
45°	2723.8	2747.5	2919.6	3293.8	3968.1	5206.0	7505.1	9804.1	9778.8	8269.3
47.5°	2430.1	2453.8	2632.2	2993.8	3634.9	4809.7	7231.9	10208.3	10617.3	8806.2
50°	2071.7	2092.2	2275.4	2648.0	3289.1	4388.1	6852.9	10525.7	11675.2	9619.4
52.5°	1646.9	1669.0	1847.4	2220.1	2878.5	3934.9	6354.0	10732.6	12897.4	10806.8
55°	1225.3	1241.1	1395.8	1730.6	2370.1	3418.6	5728.7	10791.0	14283.8	12430.0
57.5°	889.0	898.5	997.9	1247.4	1796.9	2772.7	4969.2	10639.4	15933.8	14511.1
60°	720.0	723.2	753.2	863.7	1249.0	2043.2	4051.8	10118.3	17724.4	17193.9
62.5°	653.7	653.7	661.6	691.6	844.8	1348.5	2941.7	9038.3	19644.5	20584.0
65°	607.9	607.9	611.1	625.3	666.3	859.0	1856.9	7279.3	21263.0	24555.3
67.5°	566.9	568.4	566.9	571.6	595.3	634.8	1076.9	5027.6	22134.6	28670.2
70°	524.2	527.4	519.5	519.5	538.4	540.0	674.2	2757.0	21411.4	32118.7
72.5°	473.7	478.4	465.8	462.7	476.9	470.5	506.9	1323.2	18382.9	33148.2
75°	429.5	435.8	407.4	399.5	399.5	394.8	412.1	679.0	11931.0	27040.6
77.5°	390.0	402.6	356.9	331.6	325.3	311.1	336.3	415.3	5218.6	12695.3
80°	322.1	339.5	293.7	263.7	252.6	236.9	265.3	290.5	1552.2	2948.0
82.5°	240.0	247.9	208.4	187.9	178.4	167.4	199.0	202.1	505.3	1043.7
85°	153.2	156.3	127.9	110.5	105.8	101.1	126.3	110.5	192.6	767.4
87.5°	53.7	61.6	48.9	44.2	47.4	39.5	58.4	33.2	53.7	541.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5551.8  
5555.0  
5591.3  
5629.2  
5643.4  
5656.0  
5687.6  
5757.1  
5862.9  
5976.6  
6115.5  
6281.3  
6404.5  
6541.9  
6770.8  
7080.3  
7546.1  
7833.5  
8000.9  
8496.7  
9230.9  
10328.3  
11831.6  
13758.0  
16244.9  
19312.9  
22947.8  
26934.8  
31662.4  
34348.3  
28922.8  
12431.6  
2823.3  
1179.5  
1114.8  
671.1  
0.0

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