

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: P851224

Luminaire Tested: **GLAN-SB9A-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851224  
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-SB9A-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 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: 33466 lumens  
Efficiency: N/A  
Efficacy: 131.0 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

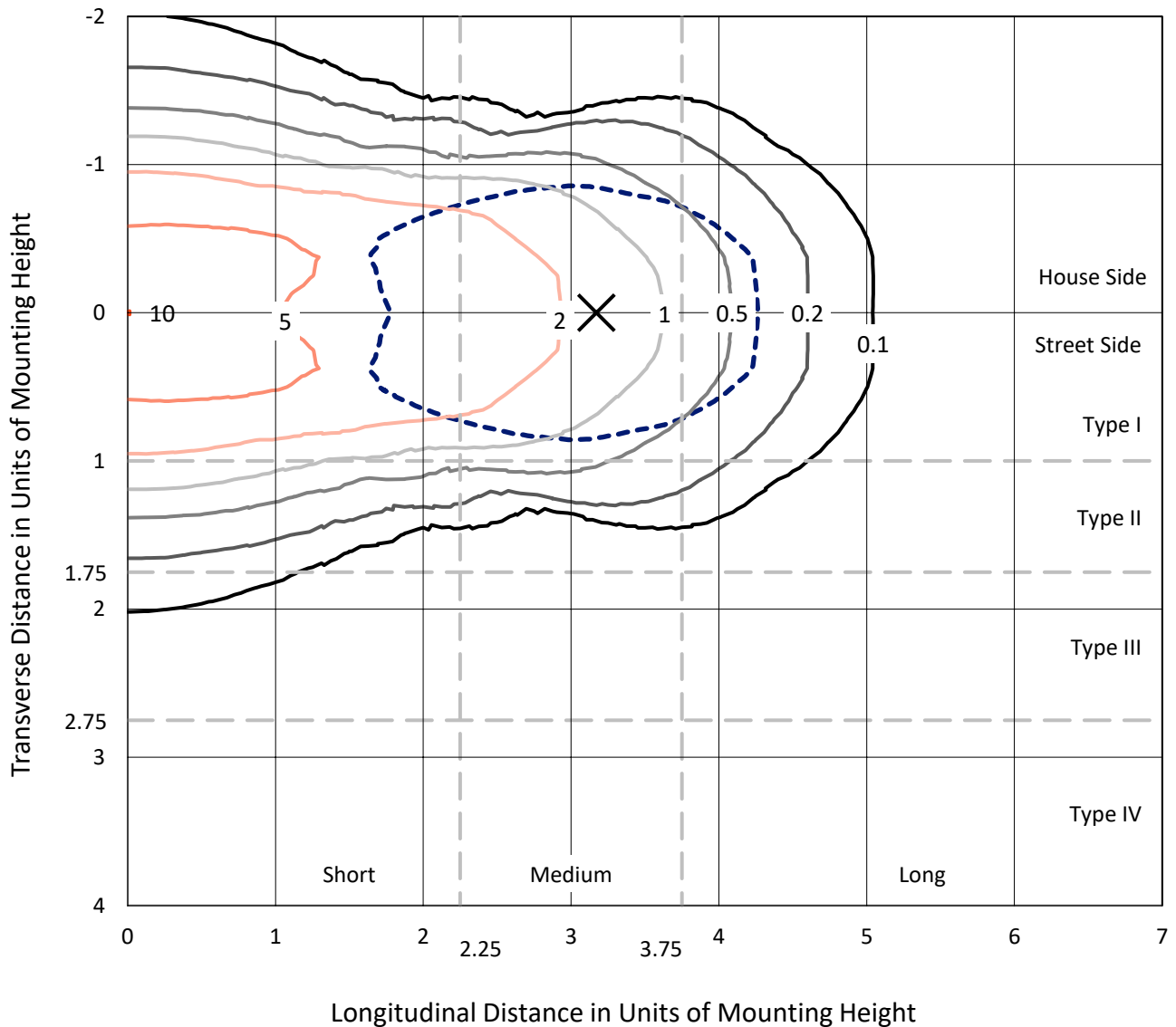
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

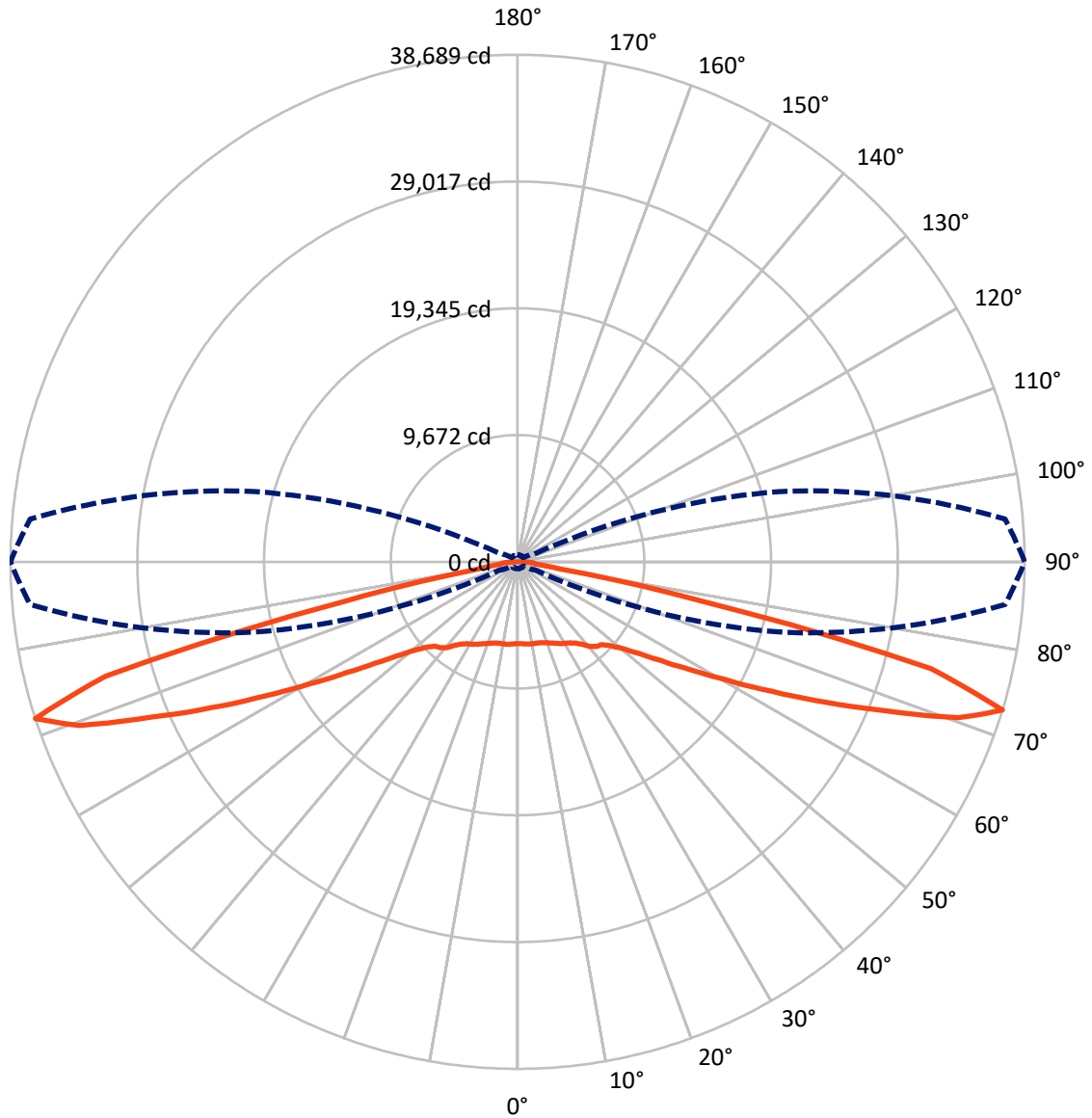
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	16733.0	0.0	16733.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16733.0	0.0	16733.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33466.0	0.0	33466.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	606.3	1.8
10°-20°	1854.0	5.5
20°-30°	3091.3	9.2
30°-40°	4251.6	12.7
40°-50°	5192.3	15.5
50°-60°	6005.5	17.9
60°-70°	7160.5	21.4
70°-80°	4997.6	14.9
80°-90°	307.0	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°	33466.0	100.0
0°-180°	33466.0	100.0

**Coefficient of Utilization**



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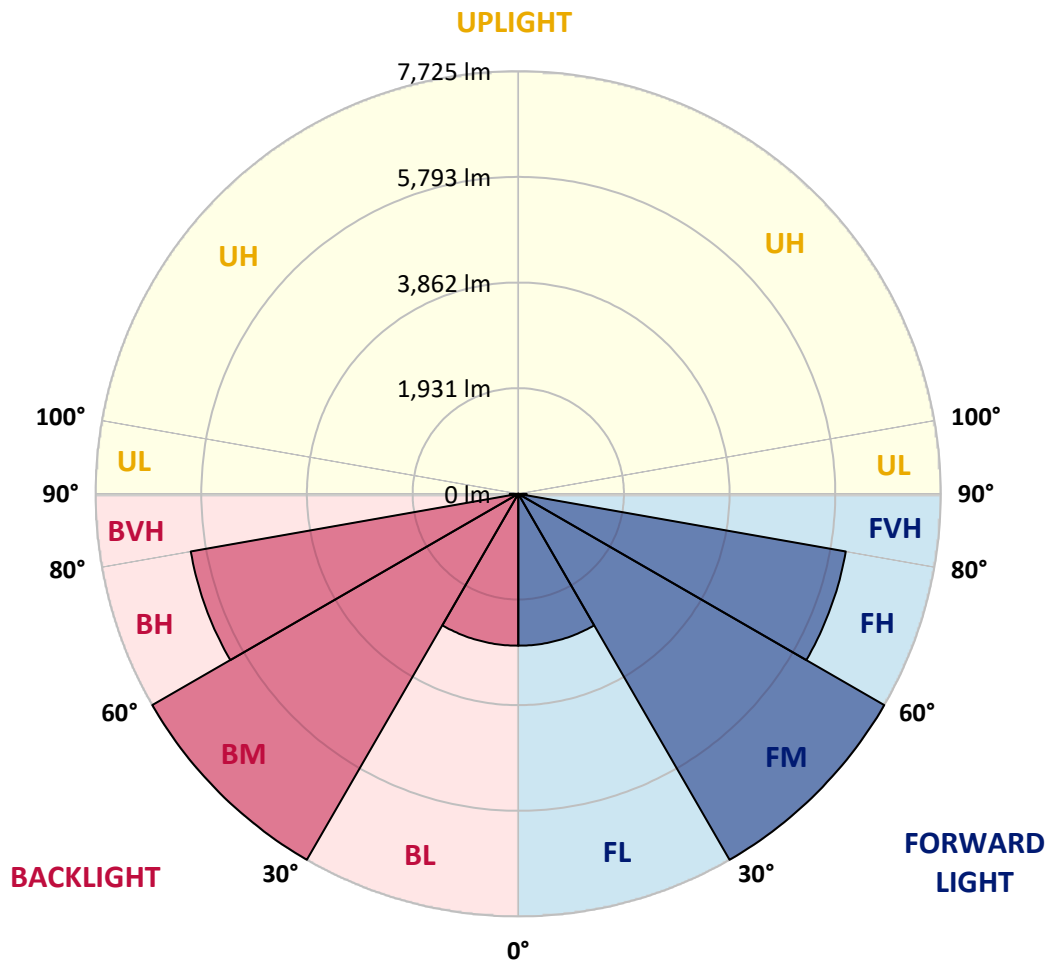
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2775.8	8.3			
FM (30°-60°)	7724.7	23.1			
FH (60°-80°)	6079.0	18.2			G3/7500
FVH (80°-90°)	153.5	0.5			G2/225
BL (0°-30°)	2775.8	8.3	B4/5000		
BM (30°-60°)	7724.7	23.1	B4/8500		
BH (60°-80°)	6079.0	18.2	B5		G5
BVH (80°-90°)	153.5	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°	6253.5	6253.5	6253.5	6253.5	6253.5	6253.5	6253.5	6253.5	6253.5	6253.5
2.5°	6258.8	6265.9	6265.9	6260.6	6273.0	6262.4	6262.4	6257.0	6262.4	6257.0
5°	6290.8	6299.7	6303.3	6301.5	6317.5	6308.6	6308.6	6301.5	6303.3	6297.9
7.5°	6351.3	6363.7	6370.9	6379.8	6402.9	6392.2	6385.1	6363.7	6354.9	6340.6
10°	6370.9	6385.1	6408.2	6454.5	6507.8	6509.6	6488.2	6434.9	6394.0	6362.0
12.5°	6310.4	6330.0	6378.0	6472.2	6591.4	6639.4	6605.6	6516.7	6436.7	6379.8
15°	6233.9	6255.3	6328.2	6470.5	6646.5	6758.6	6755.0	6637.6	6509.6	6420.7
17.5°	6114.7	6136.1	6241.0	6440.2	6689.2	6874.2	6924.0	6803.1	6623.4	6504.3
20°	5899.5	5919.1	6064.9	6344.2	6703.5	6996.9	7126.8	7020.0	6795.9	6634.1
22.5°	5620.3	5650.5	5821.3	6178.8	6669.7	7125.0	7358.0	7285.0	6996.9	6772.8
25°	5321.5	5353.5	5552.7	5976.0	6582.5	7217.5	7631.9	7585.6	7224.6	6945.3
27.5°	5063.6	5097.4	5314.4	5775.0	6447.3	7253.0	7902.2	7925.3	7500.3	7135.6
30°	4860.8	4892.9	5124.1	5613.2	6273.0	7217.5	8138.8	8298.8	7781.3	7301.1
32.5°	4638.5	4679.4	4923.1	5415.8	6066.7	7132.1	8345.1	8702.6	8106.8	7478.9
35°	4357.5	4394.9	4651.0	5145.4	5796.4	6995.1	8517.6	9150.8	8572.7	7749.3
37.5°	4016.0	4051.6	4305.9	4807.5	5527.8	6803.1	8649.2	9655.9	9127.7	8138.8
40°	3672.8	3706.6	3944.9	4430.4	5205.9	6557.6	8695.5	10150.3	9764.4	8674.1
42.5°	3358.0	3388.2	3607.0	4058.7	4844.8	6244.6	8635.0	10580.8	10335.3	9047.6
45°	3068.0	3094.7	3288.6	3710.1	4469.6	5864.0	8453.6	11043.2	11014.7	9314.4
47.5°	2737.2	2763.9	2964.9	3372.2	4094.3	5417.5	8145.9	11498.5	11959.1	9919.1
50°	2333.5	2356.6	2562.9	2982.7	3704.8	4942.7	7719.0	11856.0	13150.8	10835.1
52.5°	1855.1	1880.0	2080.9	2500.7	3242.3	4432.2	7157.0	12089.0	14527.4	12172.6
55°	1380.2	1398.0	1572.3	1949.3	2669.6	3850.6	6452.7	12154.8	16089.0	14001.0
57.5°	1001.3	1012.0	1124.1	1405.1	2024.0	3123.2	5597.2	11984.0	17947.6	16345.1
60°	811.0	814.6	848.4	972.9	1406.9	2301.5	4563.8	11397.1	19964.5	19366.9
62.5°	736.3	736.3	745.2	779.0	951.5	1518.9	3313.5	10180.6	22127.3	23185.5
65°	684.8	684.8	688.3	704.3	750.6	967.5	2091.6	8199.2	23950.3	27658.6
67.5°	638.5	640.3	638.5	643.8	670.5	715.0	1213.0	5663.0	24932.1	32293.6
70°	590.5	594.0	585.2	585.2	606.5	608.3	759.5	3105.4	24117.5	36178.0
72.5°	533.6	538.9	524.7	521.1	537.1	530.0	570.9	1490.4	20706.2	37337.7
75°	483.8	490.9	458.9	450.0	450.0	444.6	464.2	764.8	13438.9	30458.1
77.5°	439.3	453.5	402.0	373.5	366.4	350.4	378.8	467.8	5878.2	14299.8
80°	362.8	382.4	330.8	297.0	284.6	266.8	298.8	327.3	1748.3	3320.6
82.5°	270.3	279.2	234.8	211.7	201.0	188.5	224.1	227.7	569.1	1175.6
85°	172.5	176.1	144.1	124.5	119.2	113.8	142.3	124.5	217.0	864.4
87.5°	60.5	69.4	55.1	49.8	53.4	44.5	65.8	37.4	60.5	610.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6253.5  
6257.0  
6297.9  
6340.6  
6356.6  
6370.9  
6406.4  
6484.7  
6603.9  
6731.9  
6888.4  
7075.2  
7213.9  
7368.6  
7626.5  
7975.1  
8499.8  
8823.5  
9012.0  
9570.5  
10397.6  
11633.7  
13326.9  
15496.7  
18298.0  
21753.8  
25848.1  
30339.0  
35664.0  
38689.4  
32578.2  
14002.7  
3180.1  
1328.6  
1255.7  
755.9  
0.0

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