

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: P850054

Luminaire Tested: **GLAN-SB7B-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850054  
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-SB7B-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34016 lumens  
Efficiency: N/A  
Efficacy: 132.5 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

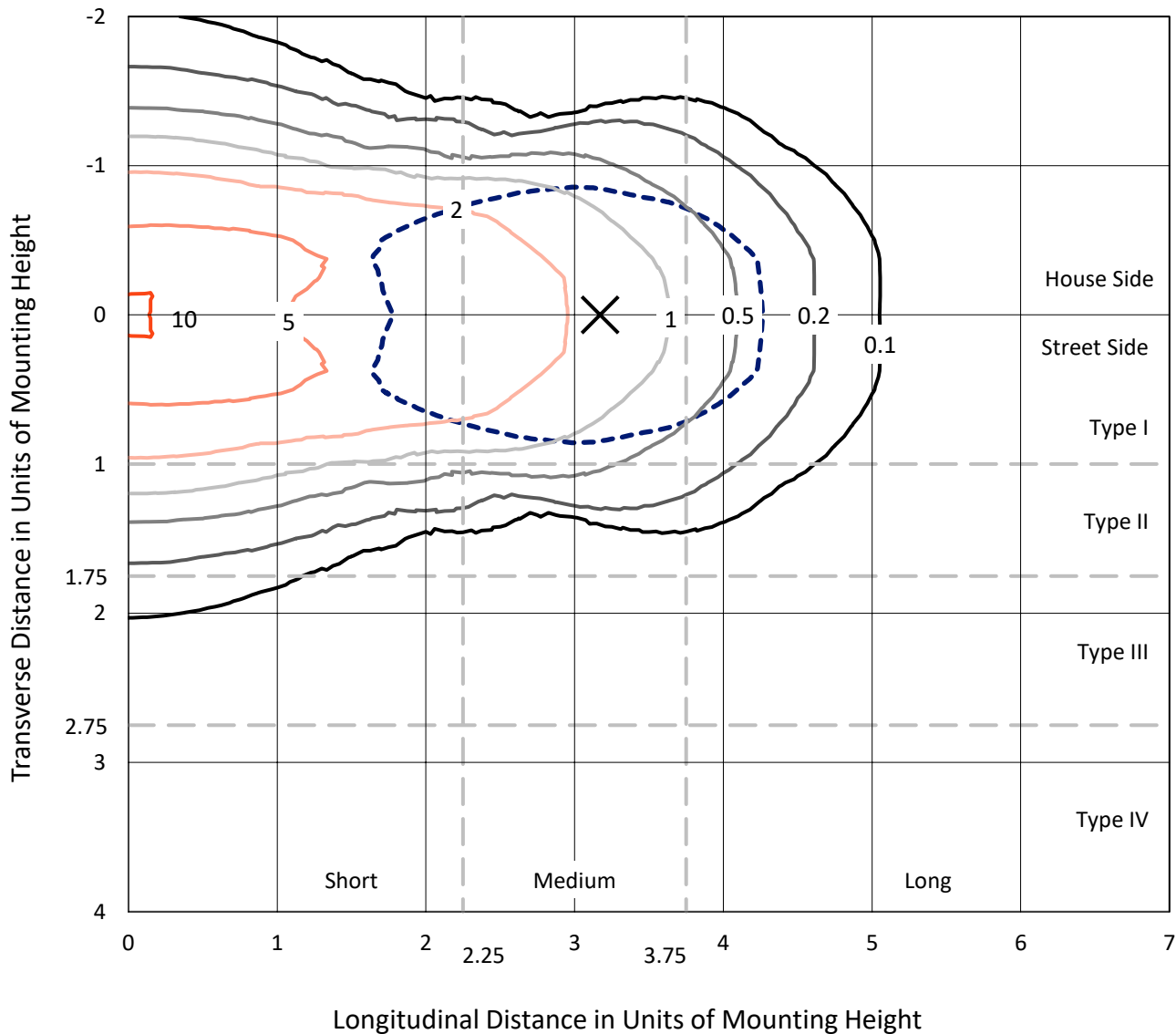
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

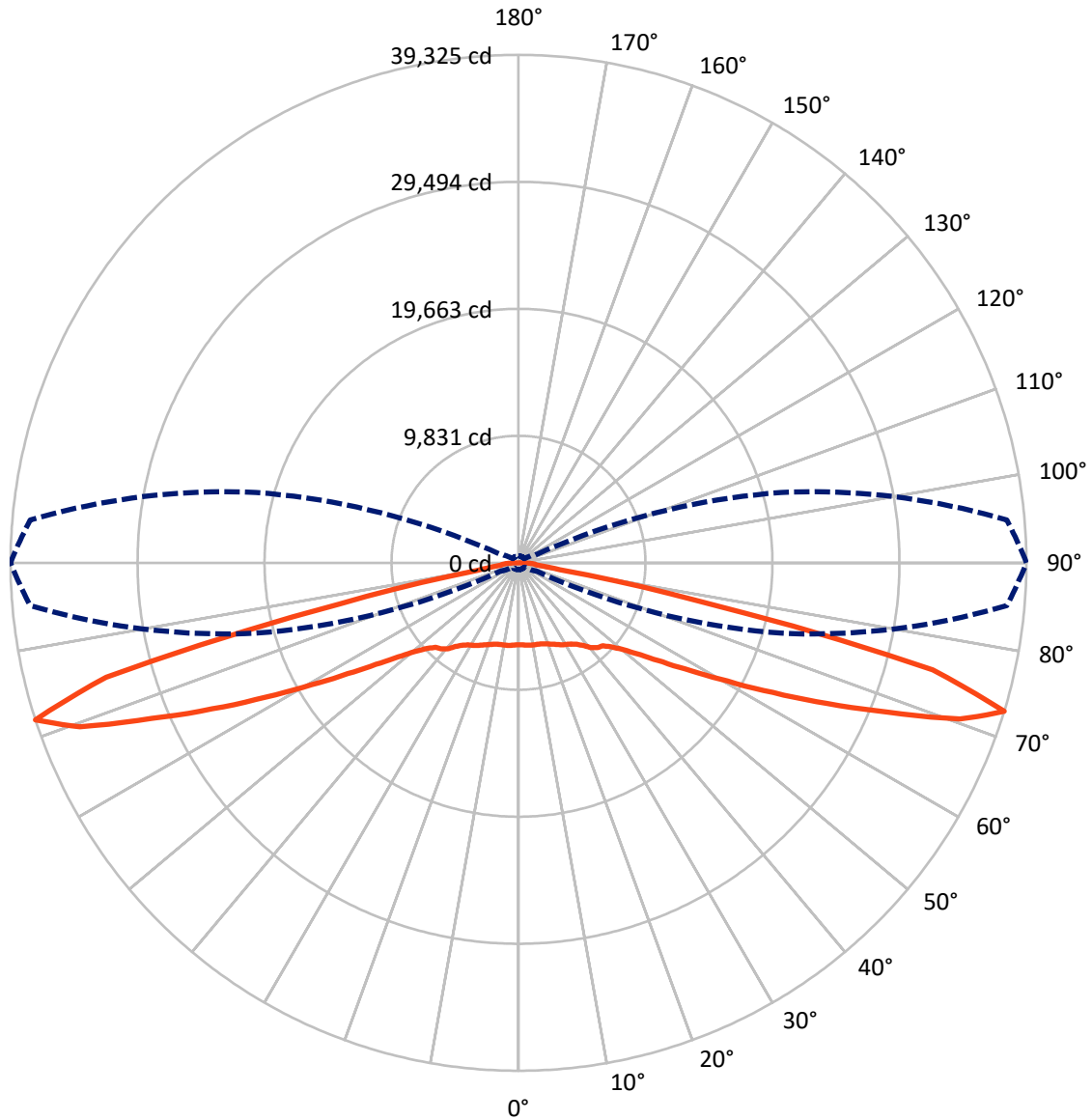
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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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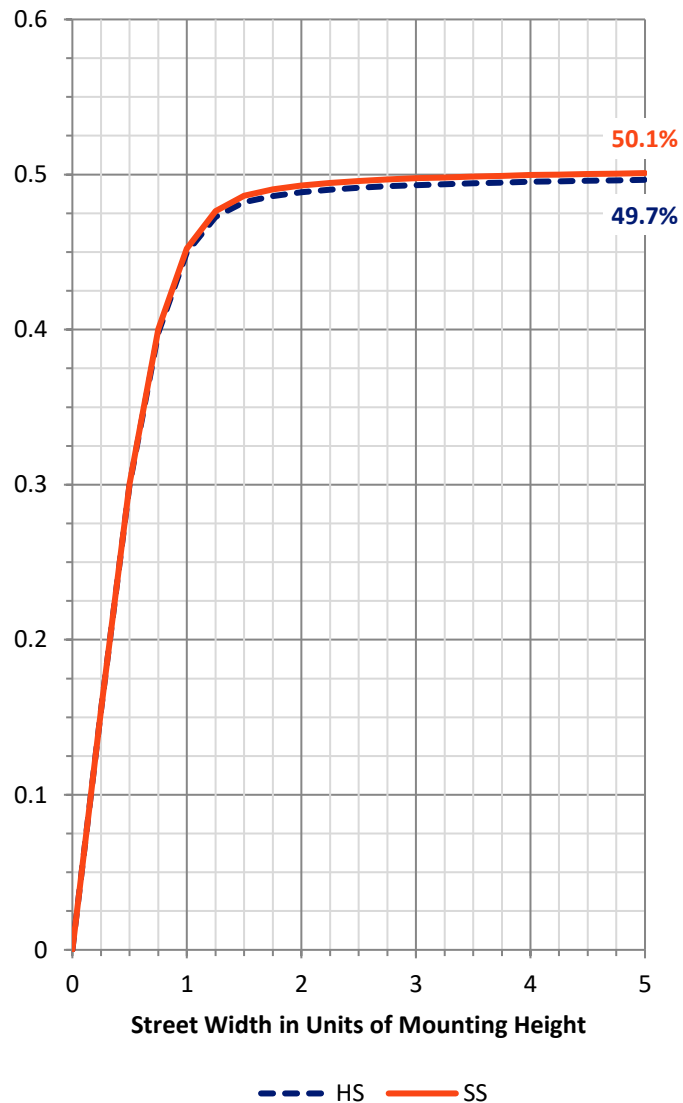
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17008.0	0.0	17008.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17008.0	0.0	17008.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34016.0	0.0	34016.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.3	1.8
10°-20°	1884.4	5.5
20°-30°	3142.1	9.2
30°-40°	4321.4	12.7
40°-50°	5277.6	15.5
50°-60°	6104.1	17.9
60°-70°	7278.2	21.4
70°-80°	5079.7	14.9
80°-90°	312.0	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°	34016.0	100.0
0°-180°	34016.0	100.0

**Coefficient of Utilization**

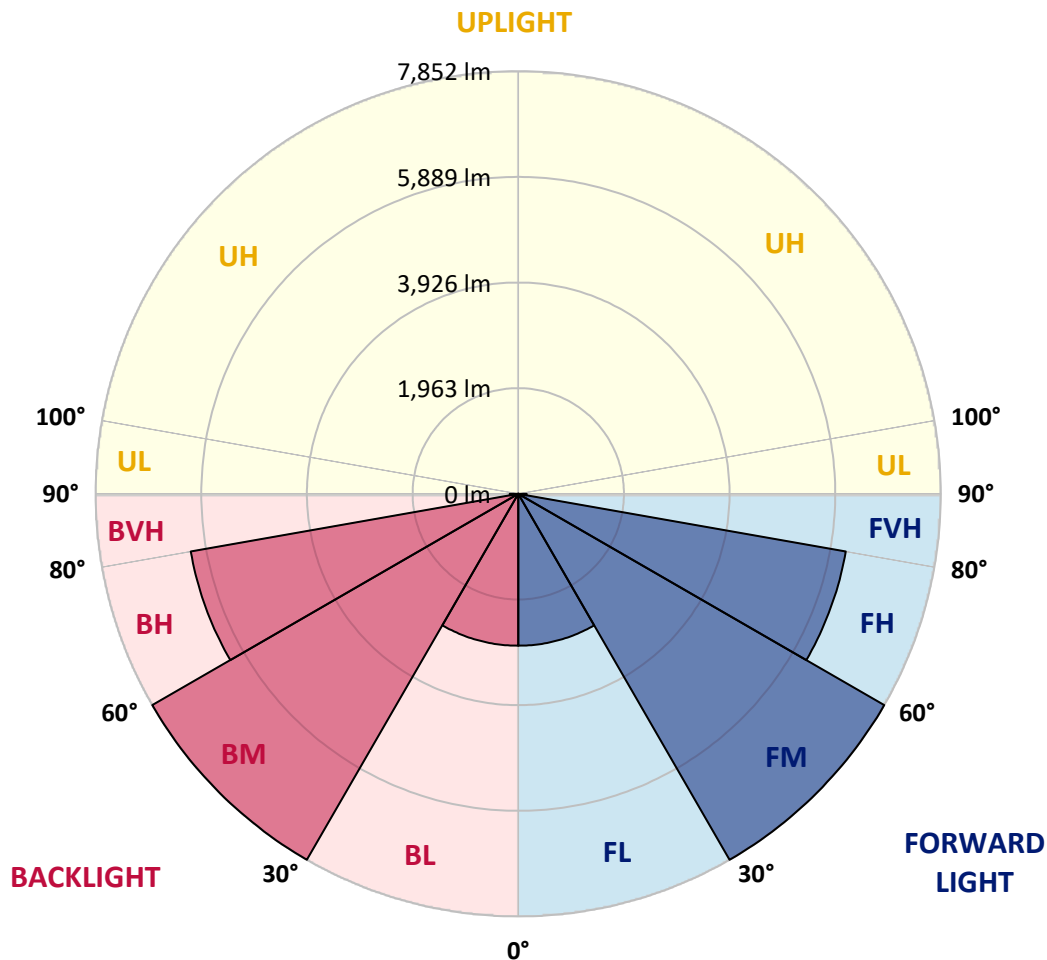


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2821.5	8.3			
FM (30°-60°)	7851.6	23.1			
FH (60°-80°)	6178.9	18.2			G3/7500
FVH (80°-90°)	156.0	0.5			G2/225
BL (0°-30°)	2821.5	8.3	B4/5000		
BM (30°-60°)	7851.6	23.1	B4/8500		
BH (60°-80°)	6178.9	18.2	B5		G5
BVH (80°-90°)	156.0	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°	6356.2	6356.2	6356.2	6356.2	6356.2	6356.2	6356.2	6356.2	6356.2	6356.2
2.5°	6361.7	6368.9	6368.9	6363.5	6376.1	6365.3	6365.3	6359.9	6365.3	6359.9
5°	6394.2	6403.3	6406.9	6405.1	6421.3	6412.3	6412.3	6405.1	6406.9	6401.4
7.5°	6455.7	6468.3	6475.6	6484.6	6508.1	6497.3	6490.0	6468.3	6459.3	6444.8
10°	6475.6	6490.0	6513.5	6560.5	6614.8	6616.6	6594.9	6540.6	6499.1	6466.5
12.5°	6414.1	6434.0	6482.8	6578.6	6699.7	6748.5	6714.2	6623.8	6542.5	6484.6
15°	6336.4	6358.1	6432.2	6576.8	6755.8	6869.7	6866.1	6746.7	6616.6	6526.2
17.5°	6215.2	6236.9	6343.6	6546.1	6799.2	6987.2	7037.8	6914.9	6732.3	6611.1
20°	5996.5	6016.4	6164.6	6448.4	6813.6	7111.9	7243.9	7135.4	6907.6	6743.1
22.5°	5712.7	5743.4	5917.0	6280.3	6779.3	7242.1	7478.9	7404.8	7111.9	6884.1
25°	5409.0	5441.5	5644.0	6074.2	6690.7	7336.1	7757.3	7710.3	7343.3	7059.5
27.5°	5146.8	5181.2	5401.7	5869.9	6553.3	7372.2	8032.1	8055.6	7623.5	7252.9
30°	4940.7	4973.3	5208.3	5705.4	6376.1	7336.1	8272.5	8435.2	7909.2	7421.0
32.5°	4714.8	4756.3	5004.0	5504.8	6166.4	7249.3	8482.2	8845.6	8240.0	7601.8
35°	4429.1	4467.1	4727.4	5230.0	5891.6	7110.1	8657.6	9301.2	8713.6	7876.6
37.5°	4082.0	4118.2	4376.7	4886.5	5618.7	6914.9	8791.4	9814.6	9277.7	8272.5
40°	3733.1	3767.5	4009.7	4503.2	5291.5	6665.4	8838.4	10317.2	9924.9	8816.7
42.5°	3413.1	3443.9	3666.2	4125.4	4924.5	6347.2	8776.9	10754.6	10505.2	9196.3
45°	3118.5	3145.6	3342.6	3771.1	4543.0	5960.3	8592.5	11224.7	11195.7	9467.5
47.5°	2782.2	2809.3	3013.6	3427.6	4161.6	5506.6	8279.8	11687.5	12155.7	10082.1
50°	2371.8	2395.3	2605.0	3031.7	3765.7	5023.9	7845.9	12050.8	13366.9	11013.2
52.5°	1885.5	1910.9	2115.1	2541.8	3295.6	4505.1	7274.6	12287.7	14766.2	12372.6
55°	1402.9	1420.9	1598.1	1981.4	2713.5	3913.9	6558.7	12354.6	16353.4	14231.1
57.5°	1017.8	1028.6	1142.5	1428.2	2057.3	3174.5	5689.2	12181.0	18242.6	16613.7
60°	824.4	828.0	862.3	988.9	1430.0	2339.3	4638.8	11584.4	20292.6	19685.2
62.5°	748.4	748.4	757.5	791.8	967.2	1543.9	3367.9	10347.9	22490.9	23566.6
65°	696.0	696.0	699.6	715.9	762.9	983.4	2126.0	8334.0	24343.9	28113.2
67.5°	649.0	650.8	649.0	654.4	681.5	726.7	1232.9	5756.1	25341.8	32824.3
70°	600.2	603.8	594.8	594.8	616.5	618.3	771.9	3156.4	24513.9	36772.6
72.5°	542.3	547.8	533.3	529.7	546.0	538.7	580.3	1514.9	21046.5	37951.3
75°	491.7	499.0	466.4	457.4	457.4	452.0	471.8	777.4	13659.8	30958.7
77.5°	446.5	461.0	408.6	379.6	372.4	356.1	385.1	475.5	5974.8	14534.8
80°	368.8	388.7	336.3	301.9	289.2	271.2	303.7	332.6	1777.1	3375.2
82.5°	274.8	283.8	238.6	215.1	204.3	191.6	227.8	231.4	578.5	1195.0
85°	175.4	179.0	146.4	126.5	121.1	115.7	144.6	126.5	220.6	878.6
87.5°	61.5	70.5	56.0	50.6	54.2	45.2	66.9	38.0	61.5	620.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6356.2  
6359.9  
6401.4  
6444.8  
6461.1  
6475.6  
6511.7  
6591.3  
6712.4  
6842.5  
7001.6  
7191.5  
7332.5  
7489.7  
7751.9  
8106.2  
8639.5  
8968.5  
9160.2  
9727.8  
10568.4  
11824.9  
13545.9  
15751.4  
18598.7  
22111.3  
26272.9  
30837.6  
36250.1  
39325.2  
33113.6  
14232.9  
3232.4  
1350.4  
1276.3  
768.3  
0.0

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