

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: P850564

Luminaire Tested: **GLAN-SB8A-850-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850564  
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-850-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30811 lumens  
Efficiency: N/A  
Efficacy: 135.7 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

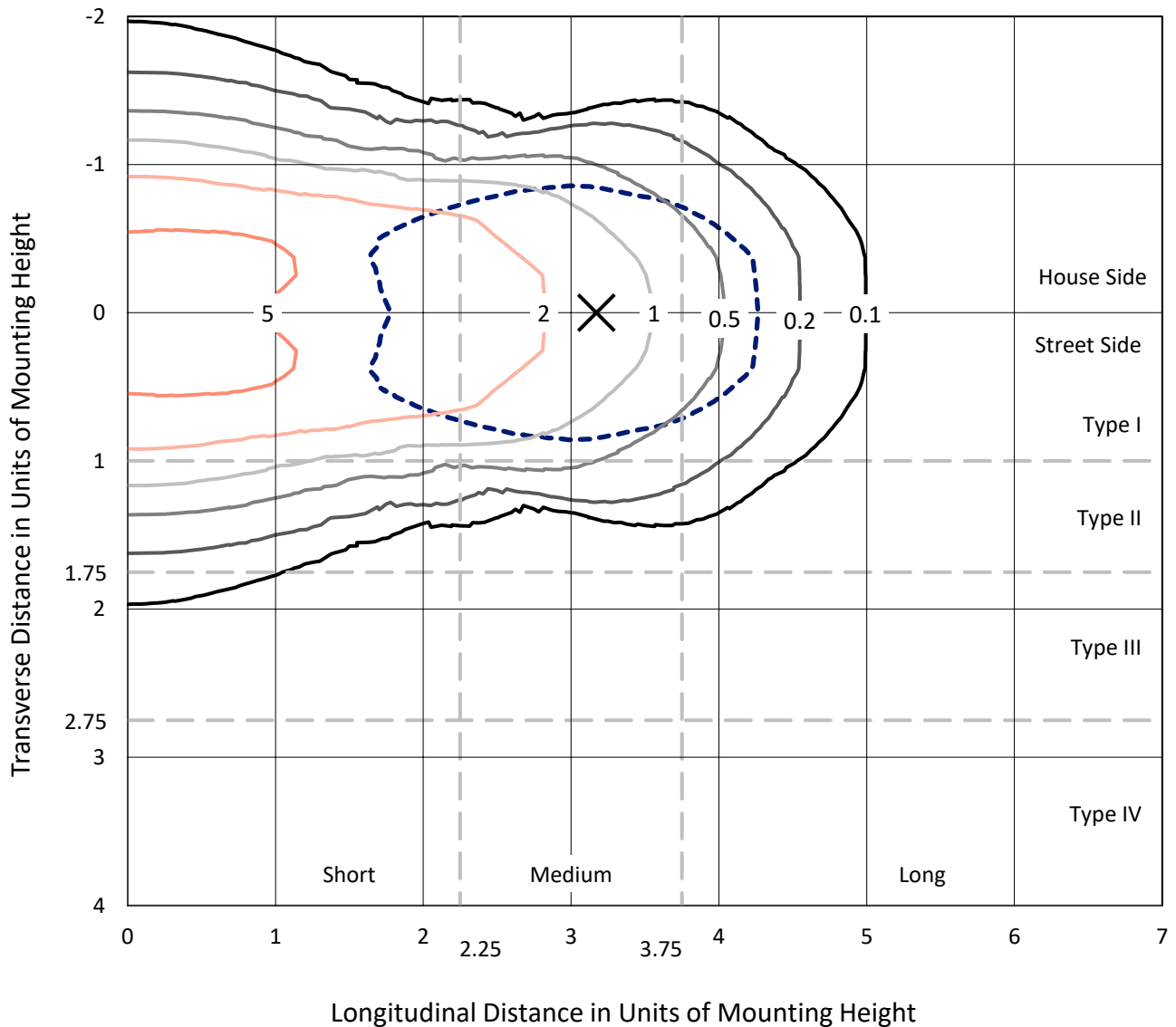
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

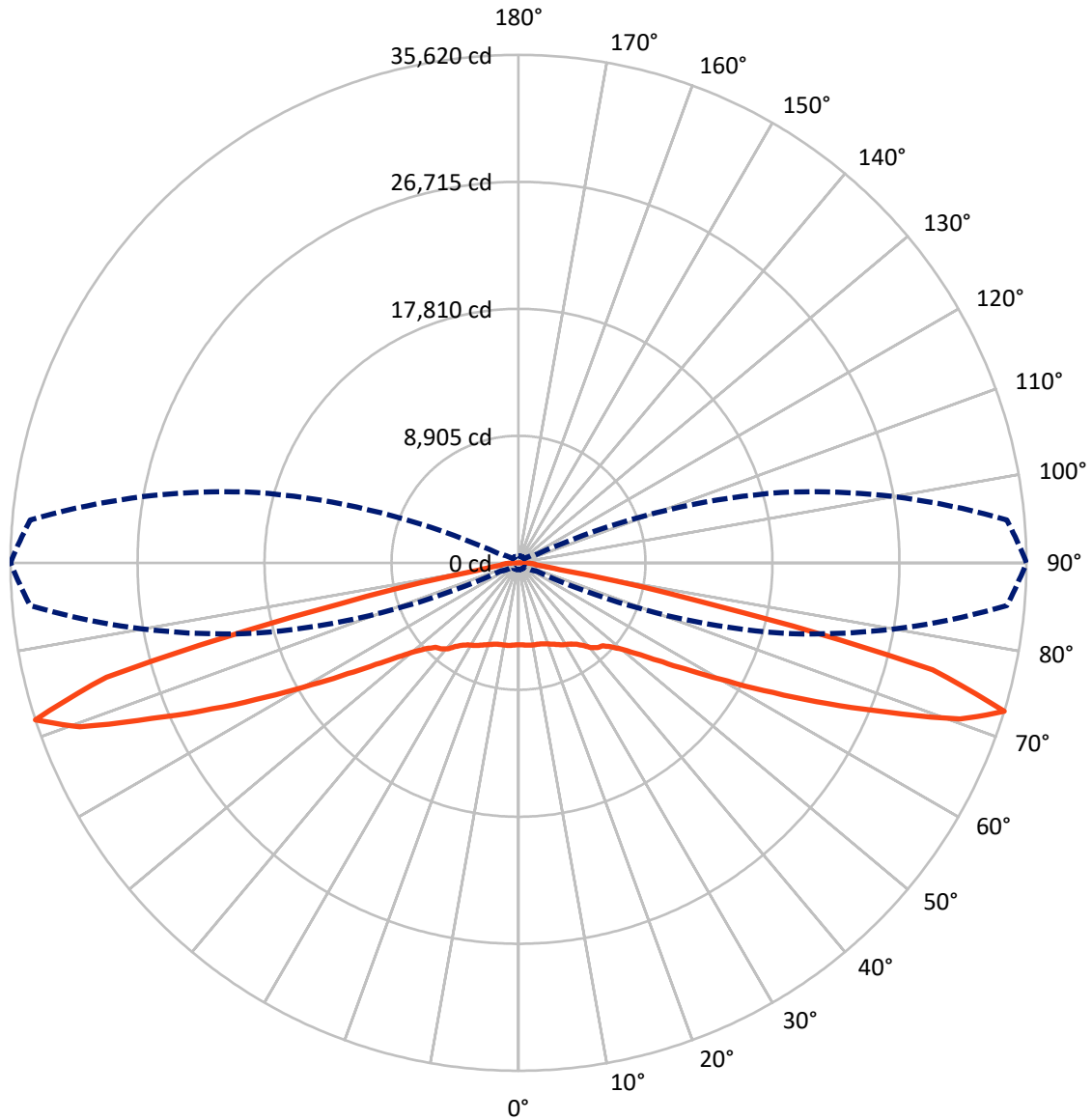
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	15405.5	0.0	15405.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15405.5	0.0	15405.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30811.0	0.0	30811.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	558.2	1.8
10°-20°	1706.9	5.5
20°-30°	2846.1	9.2
30°-40°	3914.3	12.7
40°-50°	4780.4	15.5
50°-60°	5529.0	17.9
60°-70°	6592.4	21.4
70°-80°	4601.1	14.9
80°-90°	282.6	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°	30811.0	100.0
0°-180°	30811.0	100.0

**Coefficient of Utilization**



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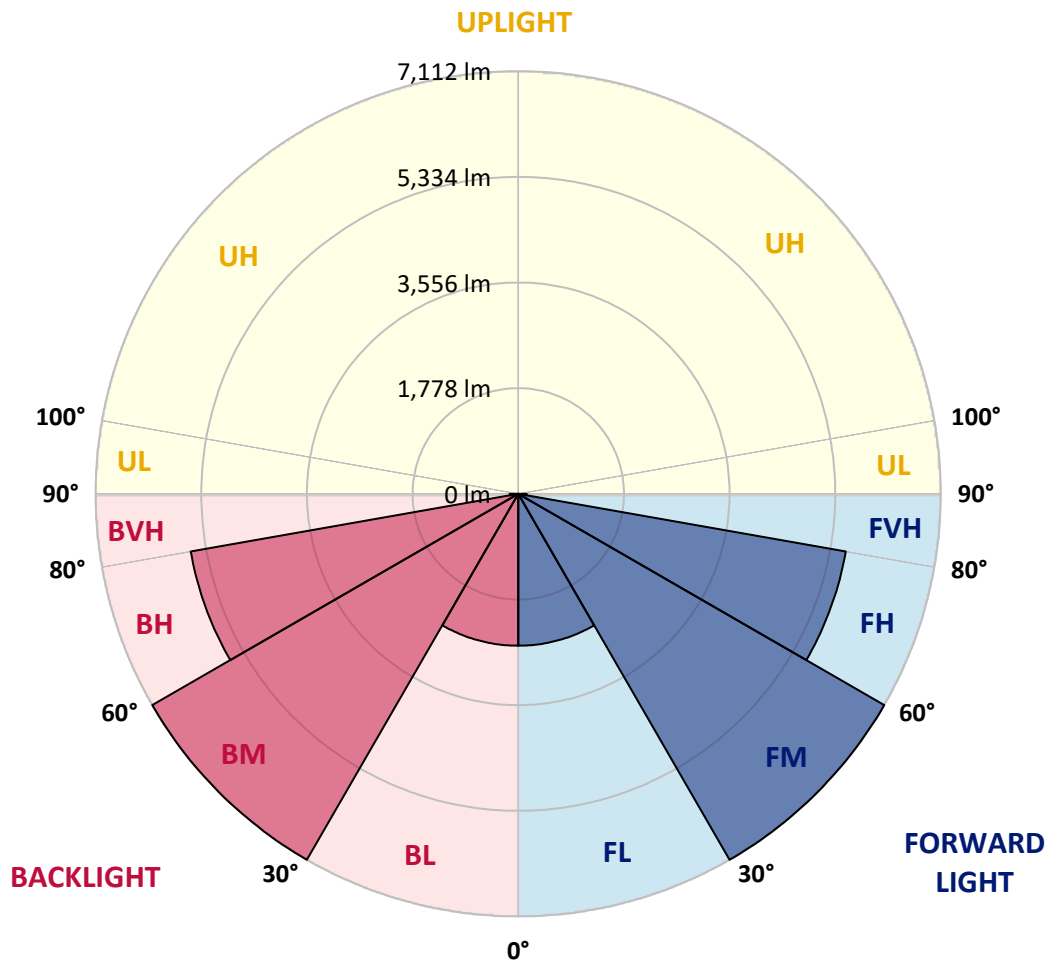
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2555.6	8.3			
FM (30°-60°)	7111.8	23.1			
FH (60°-80°)	5596.8	18.2			G3/7500
FVH (80°-90°)	141.3	0.5			G2/225
BL (0°-30°)	2555.6	8.3	B4/5000		
BM (30°-60°)	7111.8	23.1	B4/8500		
BH (60°-80°)	5596.8	18.2	B5		G5
BVH (80°-90°)	141.3	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°	5757.4	5757.4	5757.4	5757.4	5757.4	5757.4	5757.4	5757.4	5757.4	5757.4
2.5°	5762.3	5768.8	5768.8	5763.9	5775.4	5765.5	5765.5	5760.6	5765.5	5760.6
5°	5791.7	5799.9	5803.2	5801.6	5816.3	5808.1	5808.1	5801.6	5803.2	5798.3
7.5°	5847.4	5858.9	5865.4	5873.6	5894.9	5885.1	5878.5	5858.9	5850.7	5837.6
10°	5865.4	5878.5	5899.8	5942.4	5991.5	5993.2	5973.5	5924.4	5886.7	5857.2
12.5°	5809.8	5827.8	5872.0	5958.8	6068.5	6112.7	6081.6	5999.7	5926.0	5873.6
15°	5739.3	5759.0	5826.1	5957.1	6119.2	6222.4	6219.1	6111.1	5993.2	5911.3
17.5°	5629.6	5649.3	5745.9	5929.3	6158.5	6328.8	6374.7	6263.3	6098.0	5988.2
20°	5431.5	5449.5	5583.8	5840.9	6171.6	6441.8	6561.4	6463.1	6256.8	6107.8
22.5°	5174.4	5202.3	5359.5	5688.6	6140.5	6559.7	6774.2	6707.1	6441.8	6235.5
25°	4899.3	4928.8	5112.2	5501.9	6060.3	6644.9	7026.4	6983.8	6651.4	6394.3
27.5°	4661.9	4693.0	4892.8	5316.9	5935.8	6677.6	7275.3	7296.6	6905.2	6569.5
30°	4475.2	4504.7	4717.6	5167.9	5775.4	6644.9	7493.1	7640.5	7164.0	6721.8
32.5°	4270.5	4308.2	4532.5	4986.1	5585.4	6566.3	7683.0	8012.2	7463.6	6885.6
35°	4011.8	4046.2	4282.0	4737.2	5336.5	6440.2	7841.9	8424.8	7892.6	7134.5
37.5°	3697.4	3730.2	3964.3	4426.1	5089.3	6263.3	7963.0	8889.8	8403.5	7493.1
40°	3381.4	3412.5	3631.9	4078.9	4792.9	6037.4	8005.6	9345.1	8989.7	7986.0
42.5°	3091.6	3119.4	3320.8	3736.7	4460.5	5749.2	7949.9	9741.3	9515.4	8329.8
45°	2824.6	2849.2	3027.7	3415.8	4115.0	5398.8	7782.9	10167.1	10140.9	8575.5
47.5°	2520.1	2544.6	2729.7	3104.7	3769.5	4987.7	7499.6	10586.3	11010.4	9132.2
50°	2148.4	2169.7	2359.6	2746.0	3410.9	4550.5	7106.6	10915.4	12107.5	9975.5
52.5°	1707.9	1730.8	1915.8	2302.3	2985.1	4080.6	6589.2	11129.9	13374.9	11206.9
55°	1270.7	1287.1	1447.5	1794.7	2457.8	3545.1	5940.8	11190.5	14812.6	12890.2
57.5°	921.9	931.7	1034.9	1293.6	1863.4	2875.4	5153.1	11033.3	16523.8	15048.4
60°	746.7	750.0	781.1	895.7	1295.2	2118.9	4201.8	10492.9	18380.7	17830.5
62.5°	677.9	677.9	686.1	717.2	876.0	1398.4	3050.6	9372.9	20371.8	21346.1
65°	630.4	630.4	633.7	648.4	691.0	890.8	1925.7	7548.8	22050.2	25464.4
67.5°	587.9	589.5	587.9	592.8	617.3	658.3	1116.8	5213.7	22954.1	29731.6
70°	543.6	546.9	538.7	538.7	558.4	560.0	699.2	2859.0	22204.2	33307.9
72.5°	491.2	496.2	483.1	479.8	494.5	488.0	525.6	1372.2	19063.5	34375.5
75°	445.4	451.9	422.5	414.3	414.3	409.4	427.4	704.1	12372.8	28041.8
77.5°	404.5	417.6	370.1	343.9	337.3	322.6	348.8	430.7	5411.9	13165.3
80°	334.0	352.1	304.6	273.5	262.0	245.6	275.1	301.3	1609.6	3057.2
82.5°	248.9	257.1	216.1	194.9	185.0	173.6	206.3	209.6	524.0	1082.4
85°	158.8	162.1	132.6	114.6	109.7	104.8	131.0	114.6	199.8	795.8
87.5°	55.7	63.9	50.8	45.8	49.1	40.9	60.6	34.4	55.7	561.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5757.4  
5760.6  
5798.3  
5837.6  
5852.3  
5865.4  
5898.2  
5970.2  
6079.9  
6197.8  
6341.9  
6513.9  
6641.6  
6784.1  
7021.5  
7342.4  
7825.5  
8123.5  
8297.1  
8811.3  
9572.7  
10710.7  
12269.6  
14267.3  
16846.3  
20028.0  
23797.4  
27932.0  
32834.6  
35620.0  
29993.6  
12891.8  
2927.8  
1223.2  
1156.1  
695.9  
0.0

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