

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: P851044

Luminaire Tested: **GLAN-SB8D-830-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851044  
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-SB8D-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 69895 lumens  
Efficiency: N/A  
Efficacy: 119.5 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

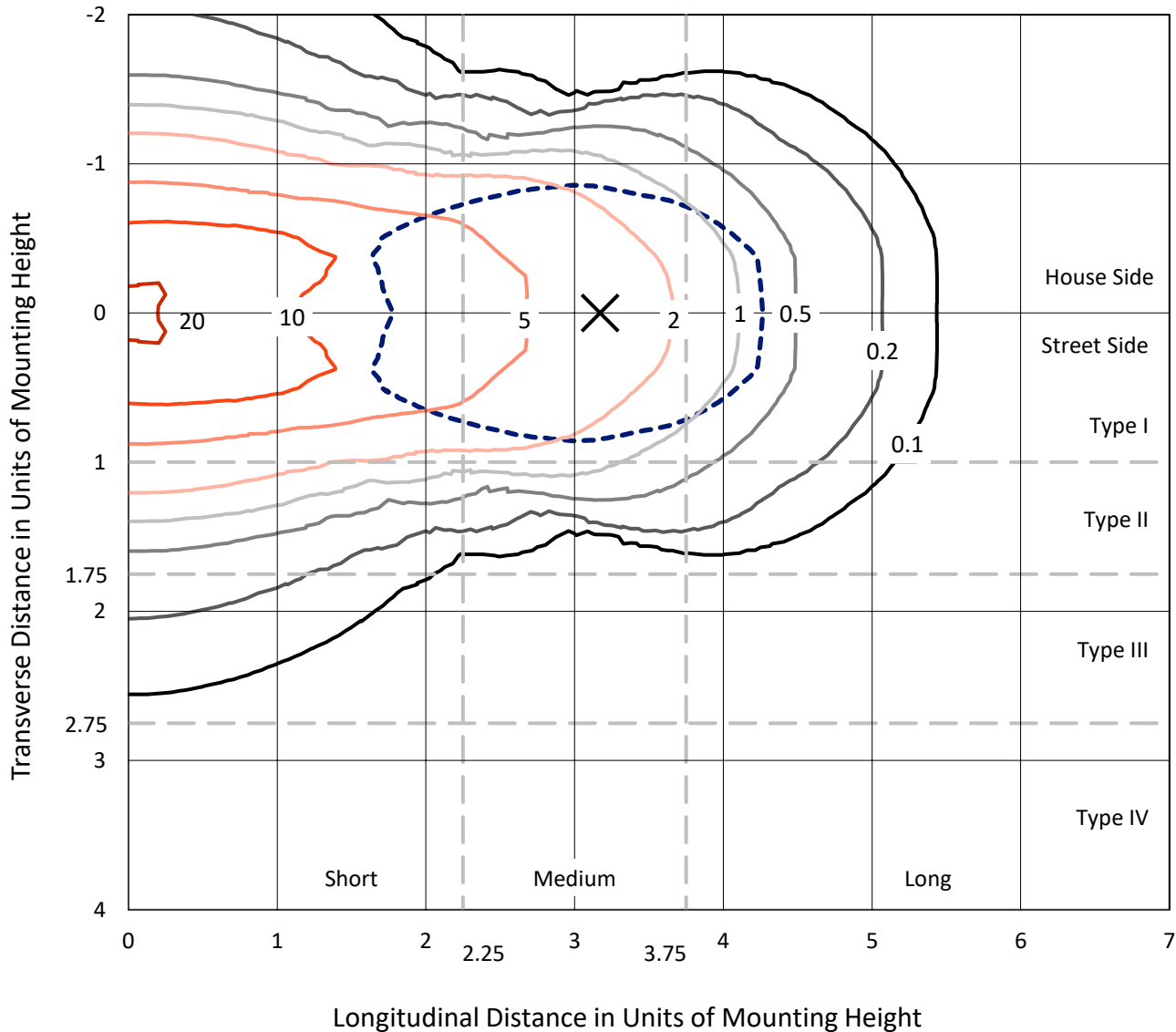
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

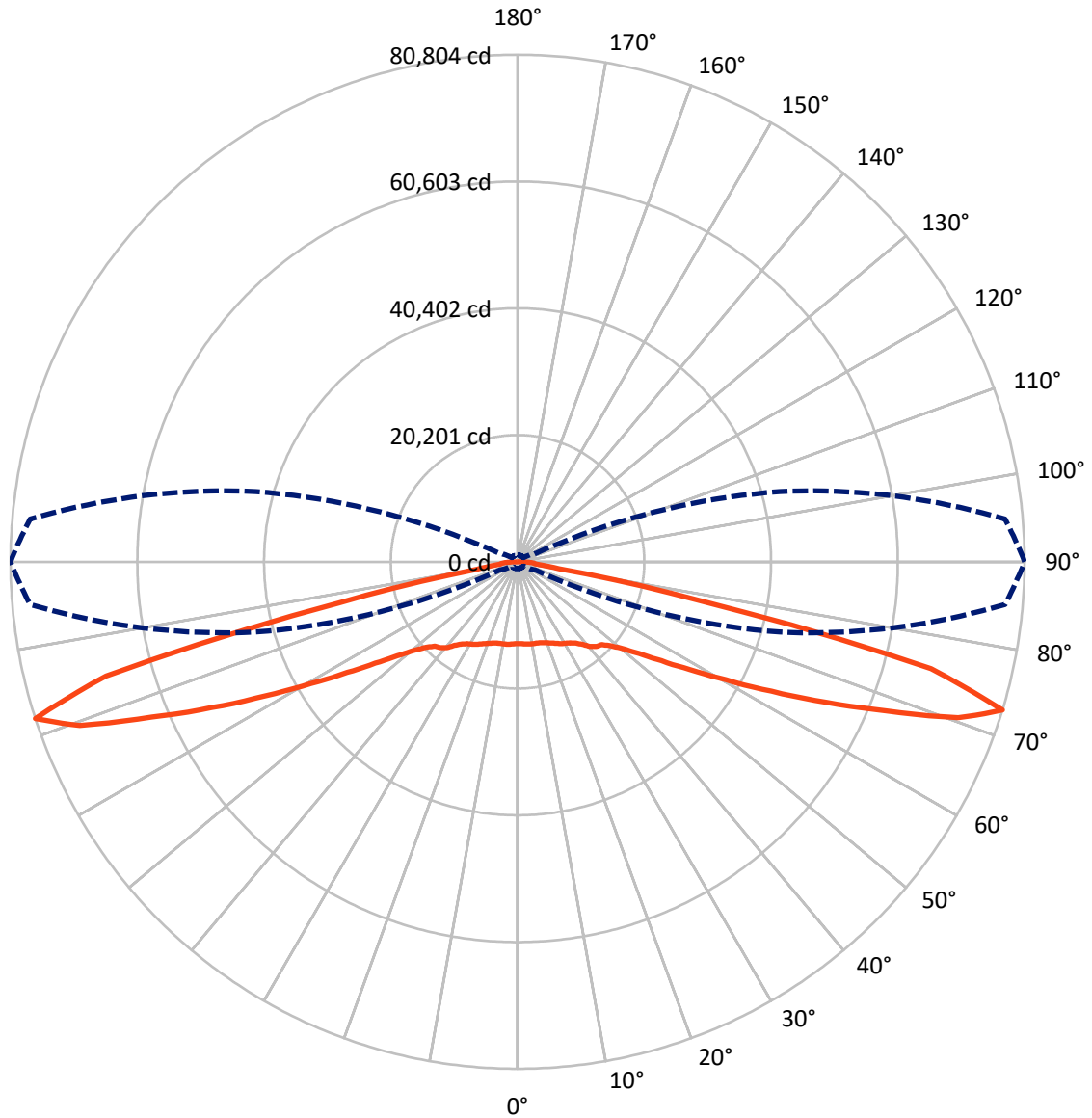
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 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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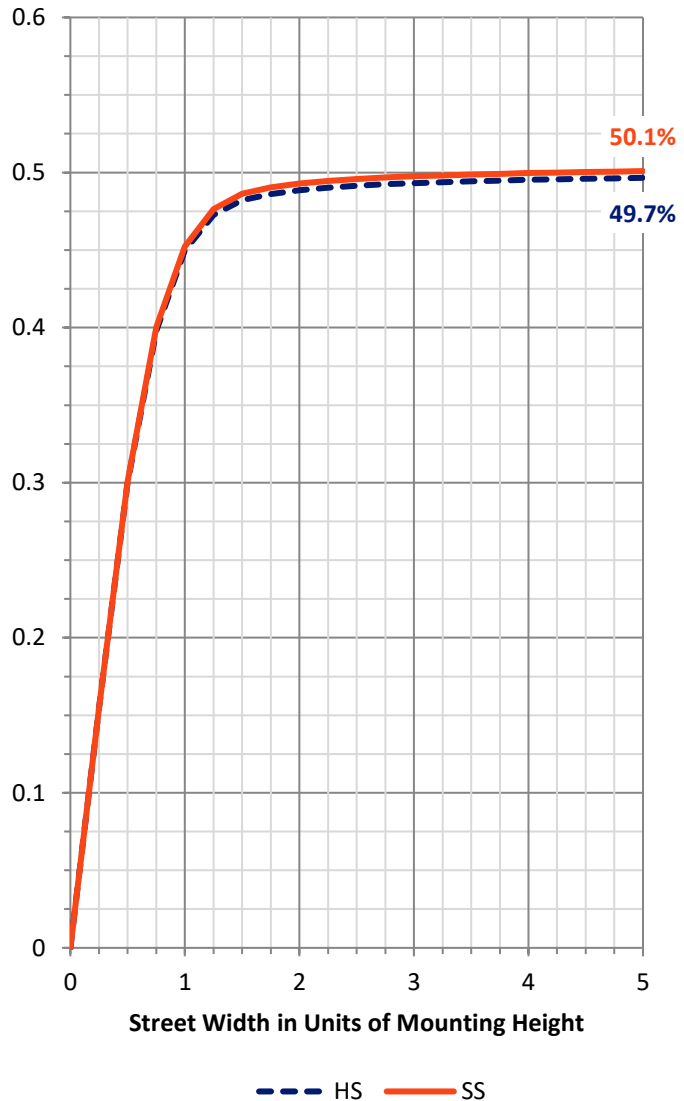
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	34947.5	0.0	34947.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	34947.5	0.0	34947.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	69895.0	0.0	69895.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1266.4	1.8
10°-20°	3872.1	5.5
20°-30°	6456.4	9.2
30°-40°	8879.5	12.7
40°-50°	10844.3	15.5
50°-60°	12542.6	17.9
60°-70°	14955.0	21.4
70°-80°	10437.6	14.9
80°-90°	641.1	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°	69895.0	100.0
0°-180°	69895.0	100.0

**Coefficient of Utilization**

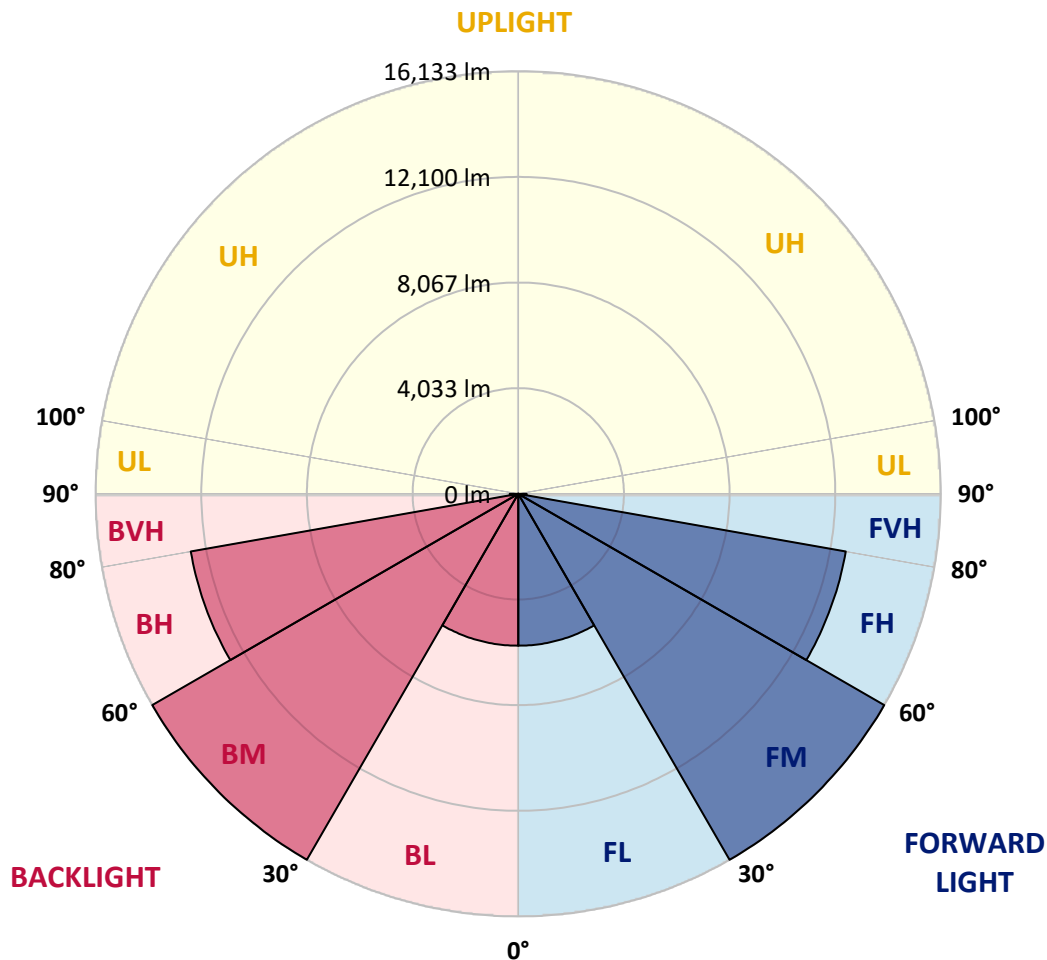


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5797.4	8.3			
FM (30°-60°)	16133.2	23.1			
FH (60°-80°)	12696.3	18.2			G5
FVH (80°-90°)	320.5	0.5			G3/500
BL (0°-30°)	5797.4	8.3	B5		
BM (30°-60°)	16133.2	23.1	B5		
BH (60°-80°)	12696.3	18.2	B5		G5
BVH (80°-90°)	320.5	0.5			G3/500
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°	13060.6	13060.6	13060.6	13060.6	13060.6	13060.6	13060.6	13060.6	13060.6	13060.6
2.5°	13071.8	13086.6	13086.6	13075.5	13101.5	13079.2	13079.2	13068.0	13079.2	13068.0
5°	13138.6	13157.2	13164.6	13160.9	13194.3	13175.8	13175.8	13160.9	13164.6	13153.5
7.5°	13264.9	13290.9	13305.8	13324.4	13372.6	13350.4	13335.5	13290.9	13272.4	13242.6
10°	13305.8	13335.5	13383.8	13480.4	13591.8	13595.5	13550.9	13439.5	13354.1	13287.2
12.5°	13179.5	13220.3	13320.6	13517.5	13766.4	13866.7	13796.1	13610.4	13443.2	13324.4
15°	13019.8	13064.3	13216.6	13513.8	13881.6	14115.6	14108.1	13863.0	13595.5	13409.8
17.5°	12770.9	12815.5	13034.6	13450.7	13970.7	14357.0	14461.0	14208.4	13833.3	13584.4
20°	12321.4	12362.3	12666.9	13250.1	14000.4	14613.3	14884.5	14661.6	14193.6	13855.5
22.5°	11738.2	11801.4	12158.0	12904.6	13929.8	14880.8	15367.4	15215.1	14613.3	14145.3
25°	11114.2	11181.0	11597.1	12481.1	13747.8	15073.9	15939.5	15842.9	15088.8	14505.6
27.5°	10575.5	10646.1	11099.3	12061.4	13465.5	15148.2	16504.1	16552.4	15664.6	14903.1
30°	10152.1	10218.9	10701.8	11723.4	13101.5	15073.9	16998.1	17332.4	16251.5	15248.5
32.5°	9687.7	9773.2	10282.1	11311.0	12670.6	14895.6	17429.0	18175.7	16931.3	15620.0
35°	9100.8	9178.8	9713.7	10746.4	12106.0	14609.6	17789.3	19111.7	17904.5	16184.6
37.5°	8387.6	8461.9	8993.1	10040.6	11545.1	14208.4	18064.2	20166.7	19063.5	16998.1
40°	7670.7	7741.3	8239.0	9253.1	10872.7	13695.8	18160.8	21199.4	20393.3	18116.2
42.5°	7013.2	7076.4	7533.3	8476.8	10118.6	13042.0	18034.5	22098.3	21585.7	18896.3
45°	6407.7	6463.4	6868.3	7748.7	9334.9	12247.1	17655.6	23064.1	23004.7	19453.5
47.5°	5716.8	5772.5	6192.3	7042.9	8551.1	11314.7	17013.0	24015.0	24977.1	20716.5
50°	4873.6	4921.9	5352.8	6229.4	7737.6	10322.9	16121.5	24761.7	27465.9	22629.5
52.5°	3874.4	3926.4	4346.1	5222.8	6771.8	9256.8	14947.6	25248.3	30341.1	25422.9
55°	2882.5	2919.7	3283.7	4071.2	5575.7	8042.2	13476.7	25385.7	33602.5	29241.5
57.5°	2091.3	2113.6	2347.6	2934.6	4227.2	6522.9	11689.9	25029.1	37484.3	34137.4
60°	1693.9	1701.3	1771.9	2031.9	2938.3	4806.7	9531.7	23803.3	41696.7	40448.5
62.5°	1537.9	1537.9	1556.4	1627.0	1987.3	3172.3	6920.3	21262.5	46213.6	48423.8
65°	1430.1	1430.1	1437.6	1471.0	1567.6	2020.8	4368.4	17124.4	50021.1	57766.1
67.5°	1333.6	1337.3	1333.6	1344.7	1400.4	1493.3	2533.4	11827.4	52071.6	67446.4
70°	1233.3	1240.7	1222.1	1222.1	1266.7	1270.4	1586.1	6485.7	50370.3	75559.2
72.5°	1114.4	1125.5	1095.8	1088.4	1121.8	1107.0	1192.4	3112.9	43245.7	77981.1
75°	1010.4	1025.2	958.4	939.8	939.8	928.7	969.5	1597.3	28067.7	63612.9
77.5°	917.5	947.2	839.5	780.1	765.2	731.8	791.2	976.9	12276.8	29865.6
80°	757.8	798.6	690.9	620.3	594.3	557.2	624.1	683.5	3651.5	6935.2
82.5°	564.6	583.2	490.3	442.0	419.8	393.8	468.0	475.5	1188.7	2455.4
85°	360.3	367.7	300.9	260.0	248.9	237.7	297.2	260.0	453.2	1805.3
87.5°	126.3	144.9	115.2	104.0	111.4	92.9	137.4	78.0	126.3	1274.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

13060.6  
13068.0  
13153.5  
13242.6  
13276.1  
13305.8  
13380.1  
13543.5  
13792.4  
14059.9  
14386.7  
14776.8  
15066.5  
15389.7  
15928.3  
16656.4  
17752.2  
18428.3  
18822.0  
19988.4  
21715.7  
24297.4  
27833.7  
32365.5  
38216.1  
45433.6  
53984.6  
63364.1  
74485.6  
80804.2  
68040.8  
29245.2  
6641.7  
2774.8  
2622.5  
1578.7  
0.0

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