

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: P850994

Luminaire Tested: **GLAN-SB8D-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850994  
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-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 79880 lumens  
Efficiency: N/A  
Efficacy: 136.6 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

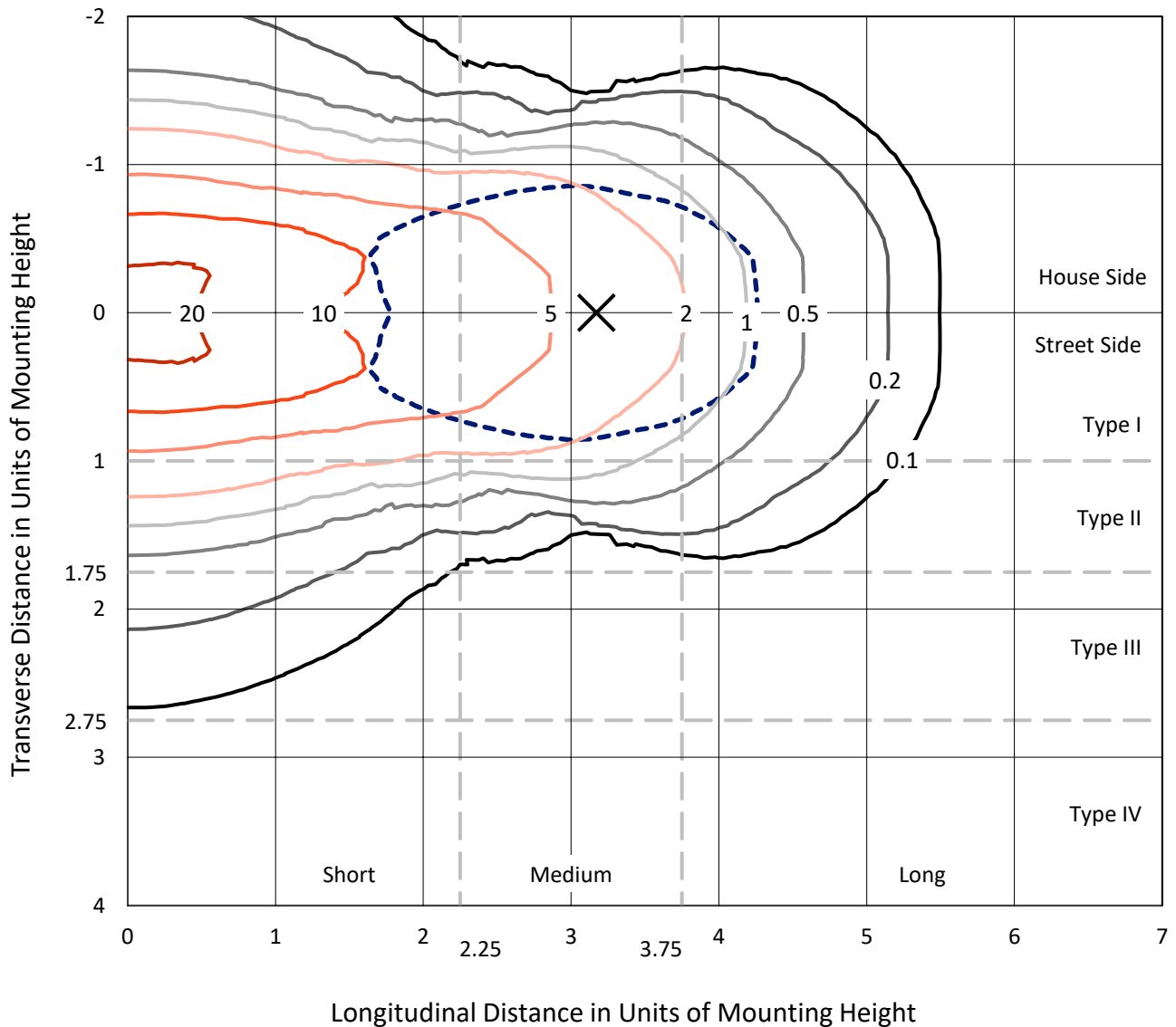
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

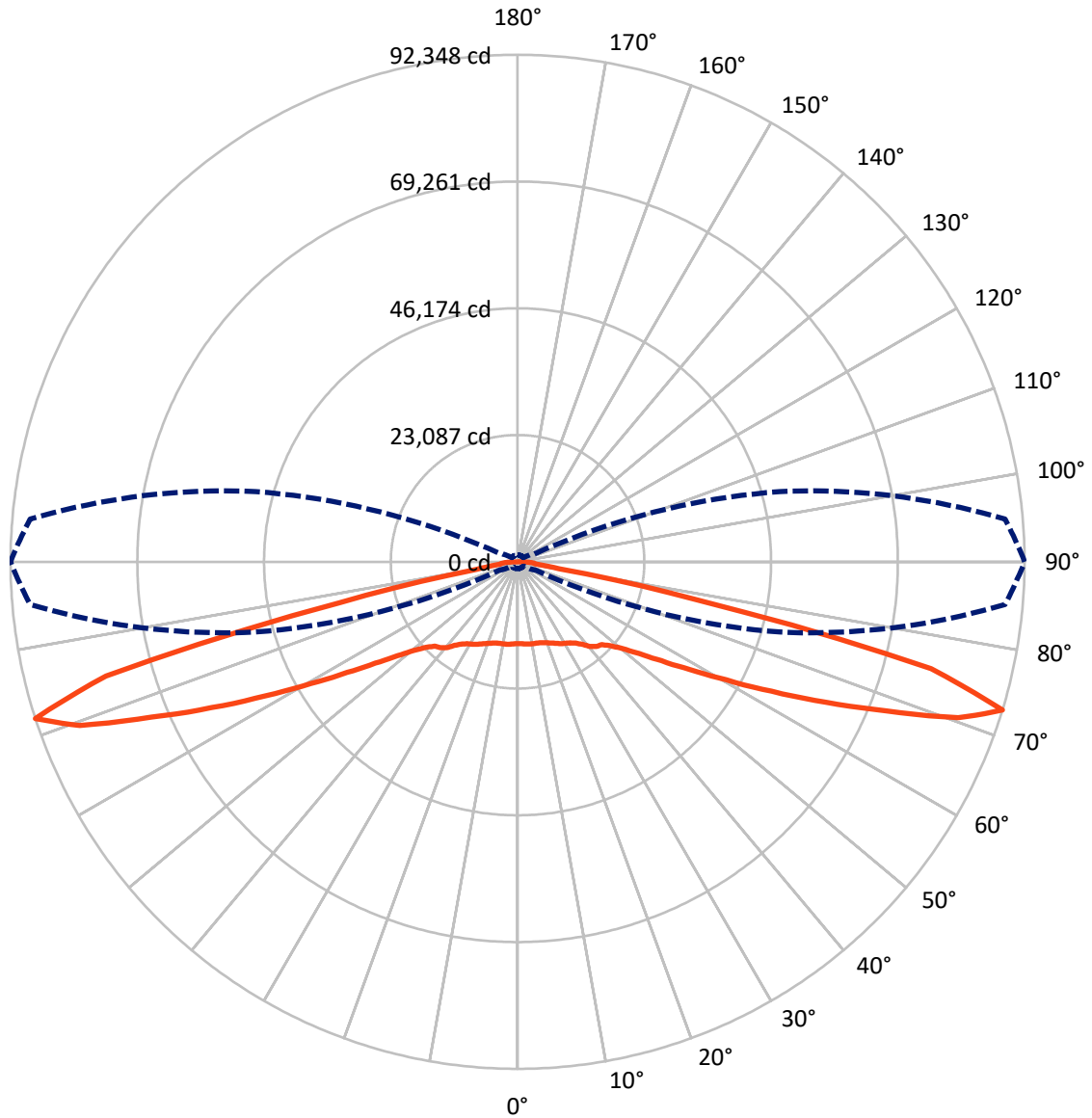
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.9 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	39940.0	0.0	39940.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	39940.0	0.0	39940.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	79880.0	0.0	79880.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1447.3	1.8
10°-20°	4425.3	5.5
20°-30°	7378.7	9.2
30°-40°	10148.0	12.7
40°-50°	12393.5	15.5
50°-60°	14334.4	17.9
60°-70°	17091.4	21.4
70°-80°	11928.7	14.9
80°-90°	732.7	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°	79880.0	100.0
0°-180°	79880.0	100.0

**Coefficient of Utilization**

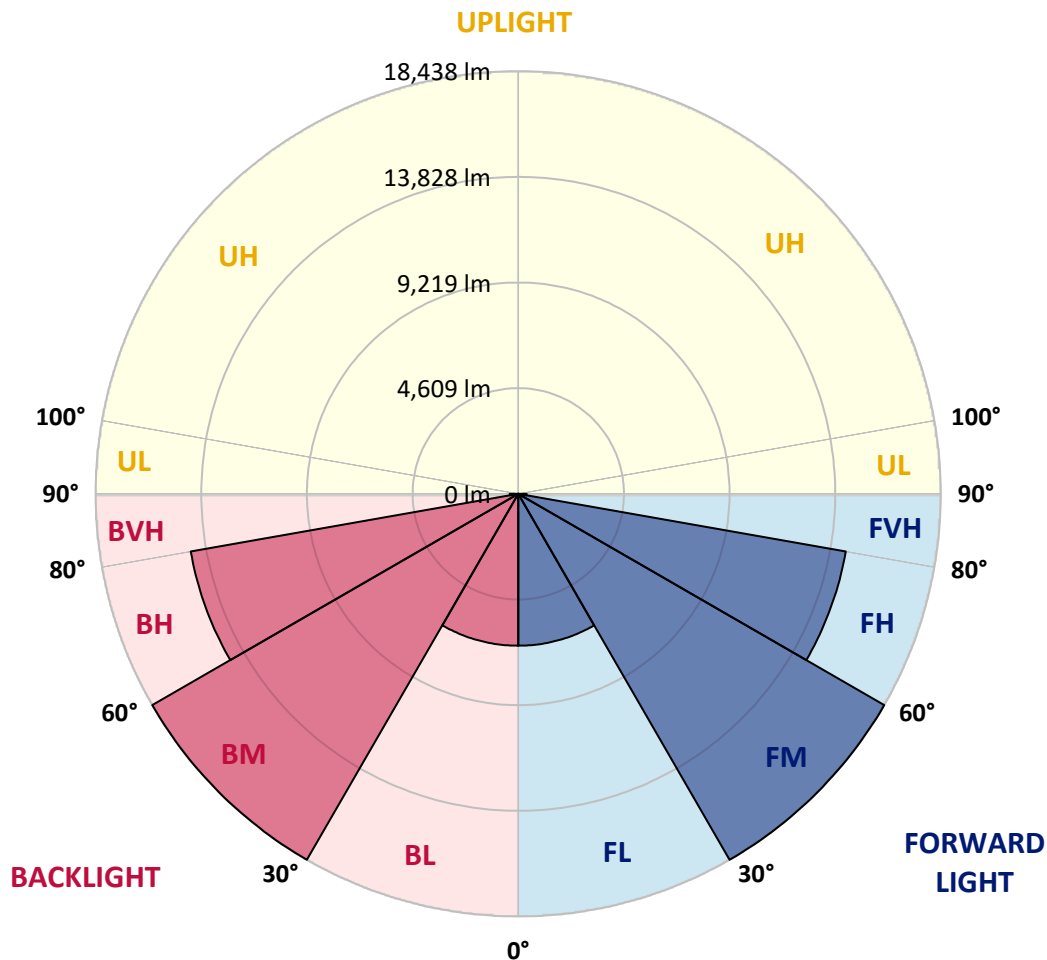


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6625.6	8.3			
FM (30°-60°)	18438.0	23.1			
FH (60°-80°)	14510.1	18.2			G5
FVH (80°-90°)	366.3	0.5			G3/500
BL (0°-30°)	6625.6	8.3	B5		
BM (30°-60°)	18438.0	23.1	B5		
BH (60°-80°)	14510.1	18.2	B5		G5
BVH (80°-90°)	366.3	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°	14926.4	14926.4	14926.4	14926.4	14926.4	14926.4	14926.4	14926.4	14926.4	14926.4
2.5°	14939.2	14956.1	14956.1	14943.4	14973.1	14947.6	14947.6	14934.9	14947.6	14934.9
5°	15015.6	15036.8	15045.3	15041.0	15079.3	15058.0	15058.0	15041.0	15045.3	15032.6
7.5°	15159.9	15189.6	15206.6	15227.8	15283.0	15257.6	15240.6	15189.6	15168.4	15134.4
10°	15206.6	15240.6	15295.8	15406.1	15533.5	15537.7	15486.8	15359.4	15261.8	15185.4
12.5°	15062.3	15109.0	15223.6	15448.6	15733.0	15847.6	15767.0	15554.7	15363.7	15227.8
15°	14879.7	14930.7	15104.7	15444.3	15864.6	16132.1	16123.6	15843.4	15537.7	15325.5
17.5°	14595.3	14646.2	14896.7	15372.2	15966.5	16408.0	16526.9	16238.2	15809.4	15525.0
20°	14081.6	14128.3	14476.4	15142.9	16000.5	16701.0	17010.9	16756.1	16221.2	15834.9
22.5°	13415.1	13487.3	13894.8	14748.1	15919.8	17006.6	17562.7	17388.7	16701.0	16166.0
25°	12701.9	12778.3	13253.8	14264.2	15711.8	17227.4	18216.5	18106.1	17244.3	16577.8
27.5°	12086.3	12167.0	12684.9	13784.4	15389.2	17312.3	18861.8	18917.0	17902.4	17032.1
30°	11602.4	11678.8	12230.7	13398.1	14973.1	17227.4	19426.4	19808.5	18573.1	17426.9
32.5°	11071.7	11169.3	11750.9	12926.9	14480.7	17023.6	19918.9	20772.2	19350.0	17851.4
35°	10400.9	10490.1	11101.4	12281.6	13835.4	16696.7	20330.7	21842.0	20462.3	18496.7
37.5°	9585.9	9670.8	10277.8	11475.0	13194.3	16238.2	20644.8	23047.7	21786.8	19426.4
40°	8766.5	8847.2	9416.0	10575.0	12425.9	15652.4	20755.2	24227.8	23306.6	20704.3
42.5°	8015.1	8087.3	8609.4	9687.7	11564.2	14905.2	20610.9	25255.2	24669.3	21595.8
45°	7323.1	7386.8	7849.5	8855.7	10668.4	13996.7	20177.8	26359.0	26291.0	22232.6
47.5°	6533.5	6597.2	7076.9	8049.1	9772.6	12931.1	19443.4	27445.8	28545.3	23676.0
50°	5569.8	5625.0	6117.5	7119.3	8842.9	11797.6	18424.5	28299.1	31389.6	25862.3
52.5°	4427.8	4487.3	4967.0	5968.9	7739.2	10579.2	17083.0	28855.2	34675.5	29054.7
55°	3294.3	3336.8	3752.8	4652.8	6372.2	9191.0	15401.9	29012.3	38402.8	33418.9
57.5°	2390.1	2415.6	2683.0	3353.8	4831.1	7454.7	13359.9	28604.7	42839.2	39014.2
60°	1935.8	1944.3	2025.0	2322.2	3358.0	5493.4	10893.4	27203.8	47653.3	46226.9
62.5°	1757.5	1757.5	1778.8	1859.4	2271.2	3625.5	7909.0	24300.0	52815.6	55341.5
65°	1634.4	1634.4	1642.9	1681.1	1791.5	2309.4	4992.5	19570.8	57167.0	66018.4
67.5°	1524.1	1528.3	1524.1	1536.8	1600.5	1706.6	2895.3	13517.0	59510.4	77081.6
70°	1409.4	1417.9	1396.7	1396.7	1447.6	1451.9	1812.7	7412.3	57566.1	86353.3
72.5°	1273.6	1286.3	1252.4	1243.9	1282.1	1265.1	1362.7	3557.5	49423.6	89121.3
75°	1154.7	1171.7	1095.3	1074.1	1074.1	1061.3	1108.0	1825.5	32077.4	72700.5
77.5°	1048.6	1082.5	959.4	891.5	874.5	836.3	904.2	1116.5	14030.7	34132.1
80°	866.0	912.7	789.6	709.0	679.2	636.8	713.2	781.1	4173.1	7925.9
82.5°	645.3	666.5	560.4	505.2	479.7	450.0	534.9	543.4	1358.5	2806.1
85°	411.8	420.3	343.9	297.2	284.4	271.7	339.6	297.2	517.9	2063.2
87.5°	144.3	165.6	131.6	118.9	127.4	106.1	157.1	89.2	144.3	1456.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

14926.4  
14934.9  
15032.6  
15134.4  
15172.6  
15206.6  
15291.5  
15478.3  
15762.7  
16068.4  
16442.0  
16887.7  
17218.9  
17588.2  
18203.8  
19035.9  
20288.2  
21060.9  
21510.9  
22843.9  
24817.9  
27768.4  
31809.9  
36989.2  
43675.5  
51924.1  
61696.7  
72416.1  
85126.4  
92347.7  
77760.9  
33423.1  
7590.6  
3171.2  
2997.2  
1804.2  
0.0

OF REPORT)