

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: P851744

Luminaire Tested: **GLAN-SB9D-840-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851744  
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-SB9D-840-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 81543 lumens  
Efficiency: N/A  
Efficacy: 123.9 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

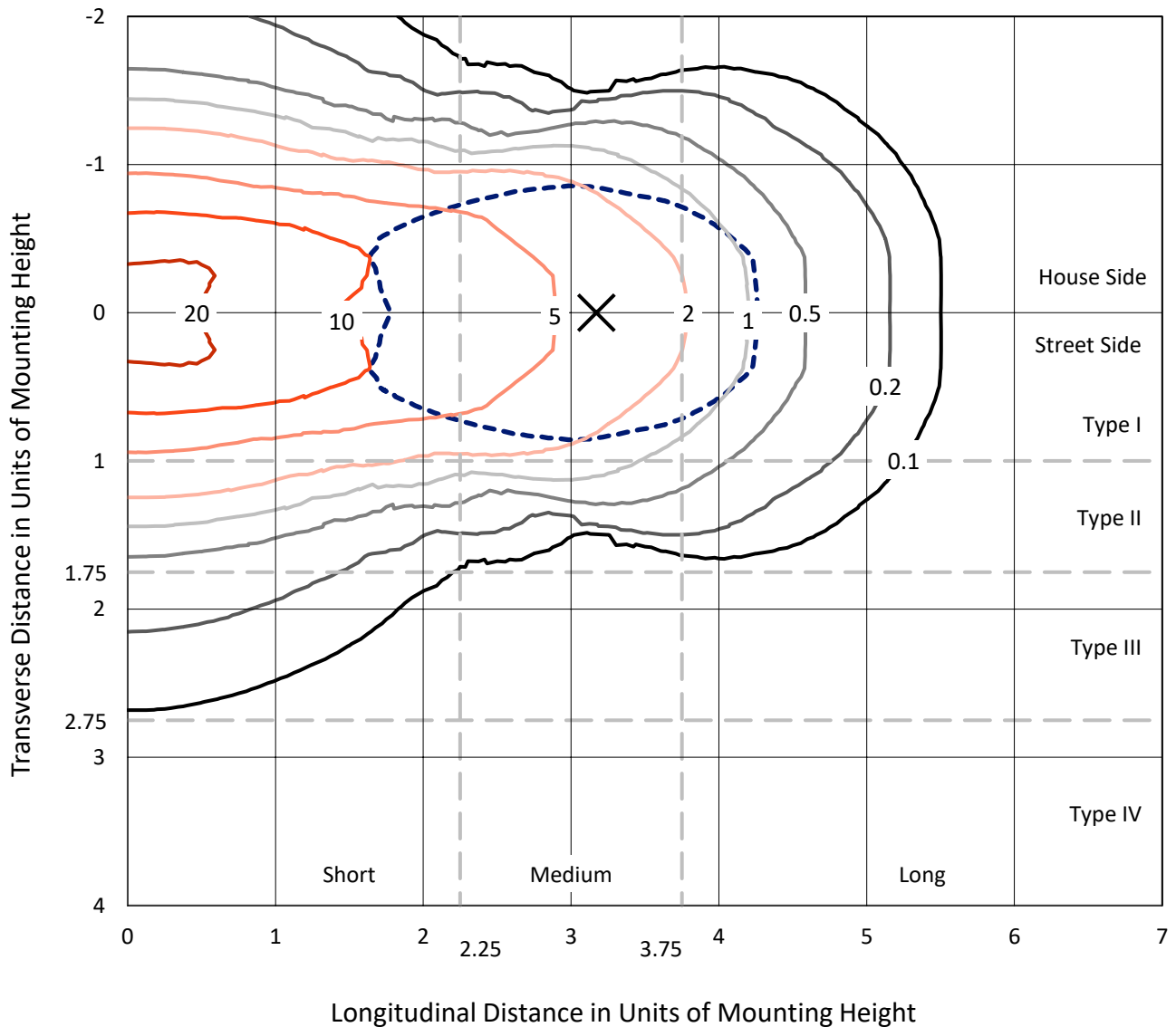
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

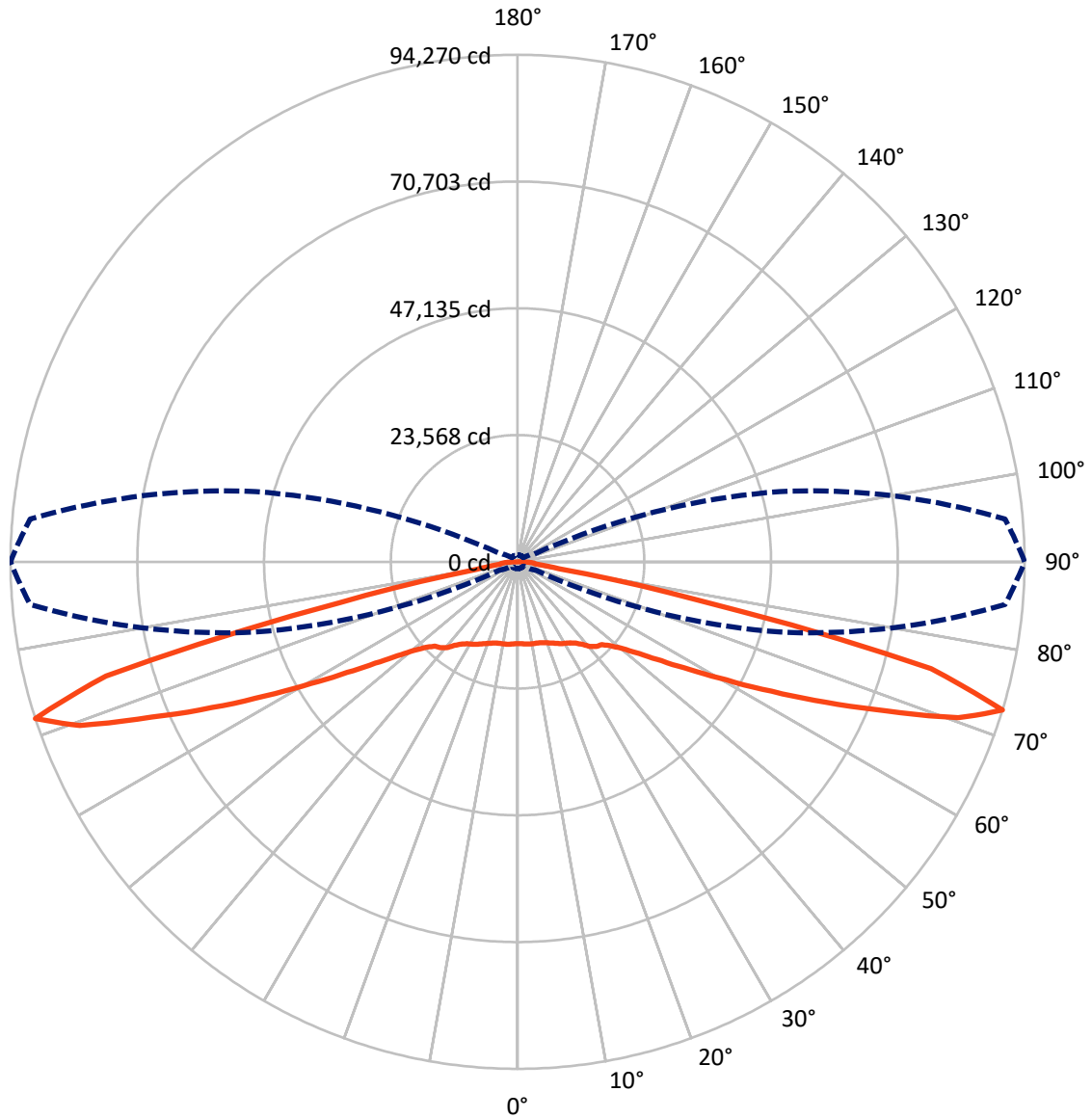
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.4 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	40771.5	0.0	40771.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	40771.5	0.0	40771.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	81543.0	0.0	81543.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1477.4	1.8
10°-20°	4517.4	5.5
20°-30°	7532.3	9.2
30°-40°	10359.3	12.7
40°-50°	12651.5	15.5
50°-60°	14632.8	17.9
60°-70°	17447.2	21.4
70°-80°	12177.0	14.9
80°-90°	747.9	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°	81543.0	100.0
0°-180°	81543.0	100.0

**Coefficient of Utilization**



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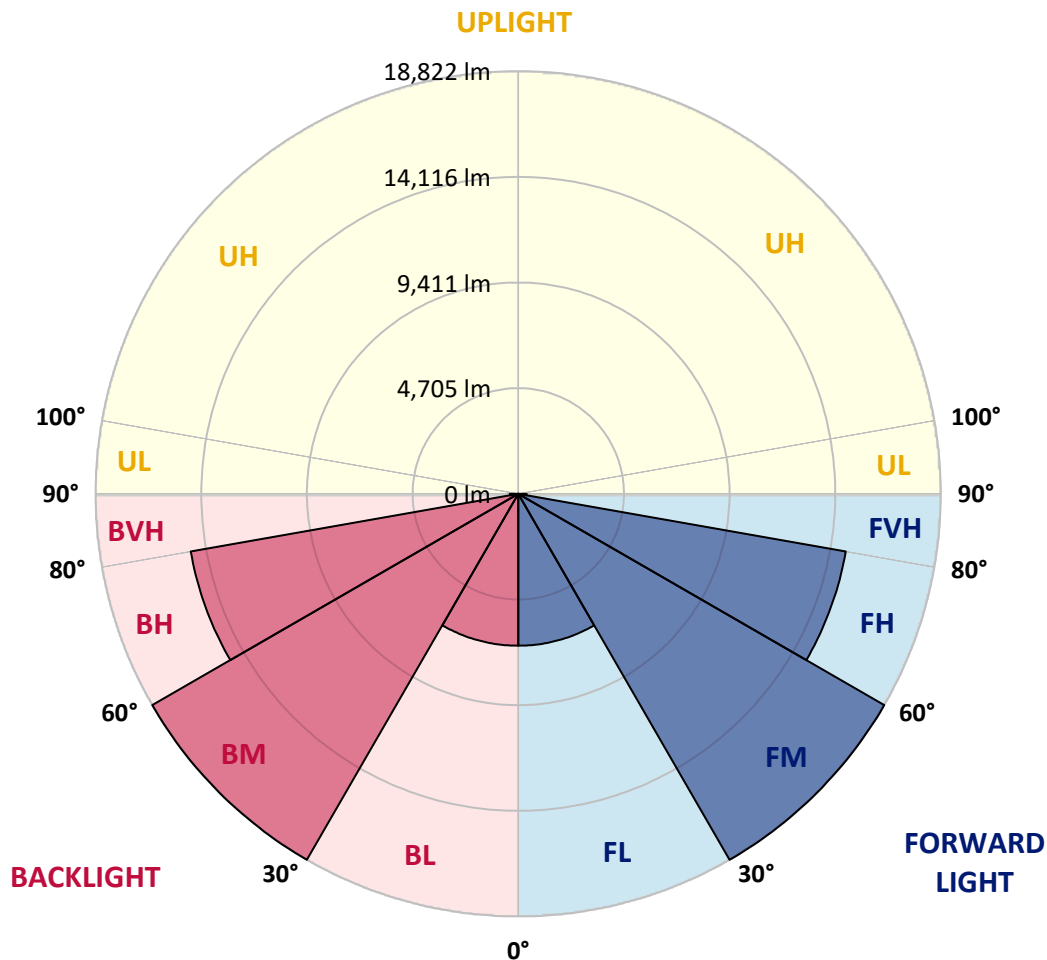
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6763.6	8.3			
FM (30°-60°)	18821.8	23.1			
FH (60°-80°)	14812.1	18.2			G5
FVH (80°-90°)	374.0	0.5			G3/500
BL (0°-30°)	6763.6	8.3	B5		
BM (30°-60°)	18821.8	23.1	B5		
BH (60°-80°)	14812.1	18.2	B5		G5
BVH (80°-90°)	374.0	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°	15237.2	15237.2	15237.2	15237.2	15237.2	15237.2	15237.2	15237.2	15237.2	15237.2
2.5°	15250.2	15267.5	15267.5	15254.5	15284.8	15258.8	15258.8	15245.8	15258.8	15245.8
5°	15328.2	15349.8	15358.5	15354.2	15393.2	15371.5	15371.5	15354.2	15358.5	15345.5
7.5°	15475.5	15505.9	15523.2	15544.9	15601.2	15575.2	15557.9	15505.9	15484.2	15449.5
10°	15523.2	15557.9	15614.2	15726.9	15856.9	15861.2	15809.2	15679.2	15579.5	15501.5
12.5°	15375.8	15423.5	15540.5	15770.2	16060.6	16177.6	16095.2	15878.6	15683.5	15544.9
15°	15189.5	15241.5	15419.2	15765.9	16194.9	16467.9	16459.3	16173.2	15861.2	15644.5
17.5°	14899.1	14951.1	15206.8	15692.2	16298.9	16749.6	16871.0	16576.3	16138.6	15848.2
20°	14374.8	14422.4	14777.8	15458.2	16333.6	17048.6	17365.0	17105.0	16558.9	16164.6
22.5°	13694.4	13768.1	14184.1	15055.2	16251.2	17360.7	17928.4	17750.7	17048.6	16502.6
25°	12966.3	13044.3	13529.7	14561.1	16038.9	17586.0	18595.8	18483.1	17603.4	16923.0
27.5°	12337.9	12420.3	12949.0	14071.4	15709.5	17672.7	19254.5	19310.8	18275.1	17386.7
30°	11843.9	11921.9	12485.3	13677.1	15284.8	17586.0	19830.9	20220.9	18959.8	17789.7
32.5°	11302.2	11401.9	11995.6	13196.0	14782.1	17378.0	20333.6	21204.6	19752.9	18223.1
35°	10617.5	10708.5	11332.5	12537.3	14123.4	17044.3	20753.9	22296.7	20888.3	18881.8
37.5°	9785.4	9872.1	10491.8	11713.9	13469.0	16576.3	21074.6	23527.5	22240.4	19830.9
40°	8949.0	9031.4	9612.1	10795.2	12684.6	15978.2	21187.3	24732.2	23791.8	21135.3
42.5°	8182.0	8255.6	8788.7	9889.4	11804.9	15215.5	21039.9	25781.0	25182.9	22045.4
45°	7475.6	7540.6	8012.9	9040.0	10890.5	14288.1	20597.9	26907.7	26838.4	22695.4
47.5°	6669.5	6734.5	7224.2	8216.6	9976.1	13200.3	19848.2	28017.2	29139.6	24168.9
50°	5685.8	5742.1	6244.8	7267.6	9027.0	12043.3	18808.1	28888.2	32043.1	26400.7
52.5°	4520.0	4580.7	5070.4	6093.1	7900.3	10799.5	17438.7	29455.9	35397.4	29659.6
55°	3362.9	3406.3	3831.0	4749.7	6504.8	9382.4	15722.5	29616.3	39202.3	34114.6
57.5°	2439.9	2465.9	2738.9	3423.6	4931.7	7609.9	13638.0	29200.2	43731.0	39826.4
60°	1976.2	1984.8	2067.2	2370.5	3427.9	5607.8	11120.2	27770.1	48645.4	47189.3
62.5°	1794.1	1794.1	1815.8	1898.1	2318.5	3701.0	8073.6	24805.9	53915.1	56493.7
65°	1668.5	1668.5	1677.1	1716.1	1828.8	2357.5	5096.4	19978.2	58357.1	67392.8
67.5°	1555.8	1560.1	1555.8	1568.8	1633.8	1742.1	2955.6	13798.4	60749.3	78686.4
70°	1438.8	1447.4	1425.8	1425.8	1477.8	1482.1	1850.5	7566.6	58764.5	88151.1
72.5°	1300.1	1313.1	1278.4	1269.8	1308.8	1291.4	1391.1	3631.6	50452.5	90976.7
75°	1178.8	1196.1	1118.1	1096.4	1096.4	1083.4	1131.1	1863.5	32745.2	74214.0
77.5°	1070.4	1105.1	979.4	910.1	892.7	853.7	923.1	1139.8	14322.8	34842.7
80°	884.1	931.7	806.1	723.7	693.4	650.0	728.1	797.4	4260.0	8091.0
82.5°	658.7	680.4	572.0	515.7	489.7	459.4	546.0	554.7	1386.8	2864.6
85°	420.4	429.0	351.0	303.4	290.4	277.4	346.7	303.4	528.7	2106.2
87.5°	147.3	169.0	134.3	121.3	130.0	108.3	160.3	91.0	147.3	1486.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

15237.2  
15245.8  
15345.5  
15449.5  
15488.5  
15523.2  
15609.9  
15800.5  
16090.9  
16402.9  
16784.3  
17239.3  
17577.4  
17954.4  
18582.8  
19432.2  
20710.6  
21499.3  
21958.7  
23319.5  
25334.6  
28346.5  
32472.2  
37759.2  
44584.8  
53005.1  
62981.2  
73923.7  
86898.7  
94270.2  
79379.8  
34119.0  
7748.6  
3237.2  
3059.6  
1841.8  
0.0

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