

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: P849054

Luminaire Tested: **GLAN-SB5D-930-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849054  
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-SB5D-930-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34307 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

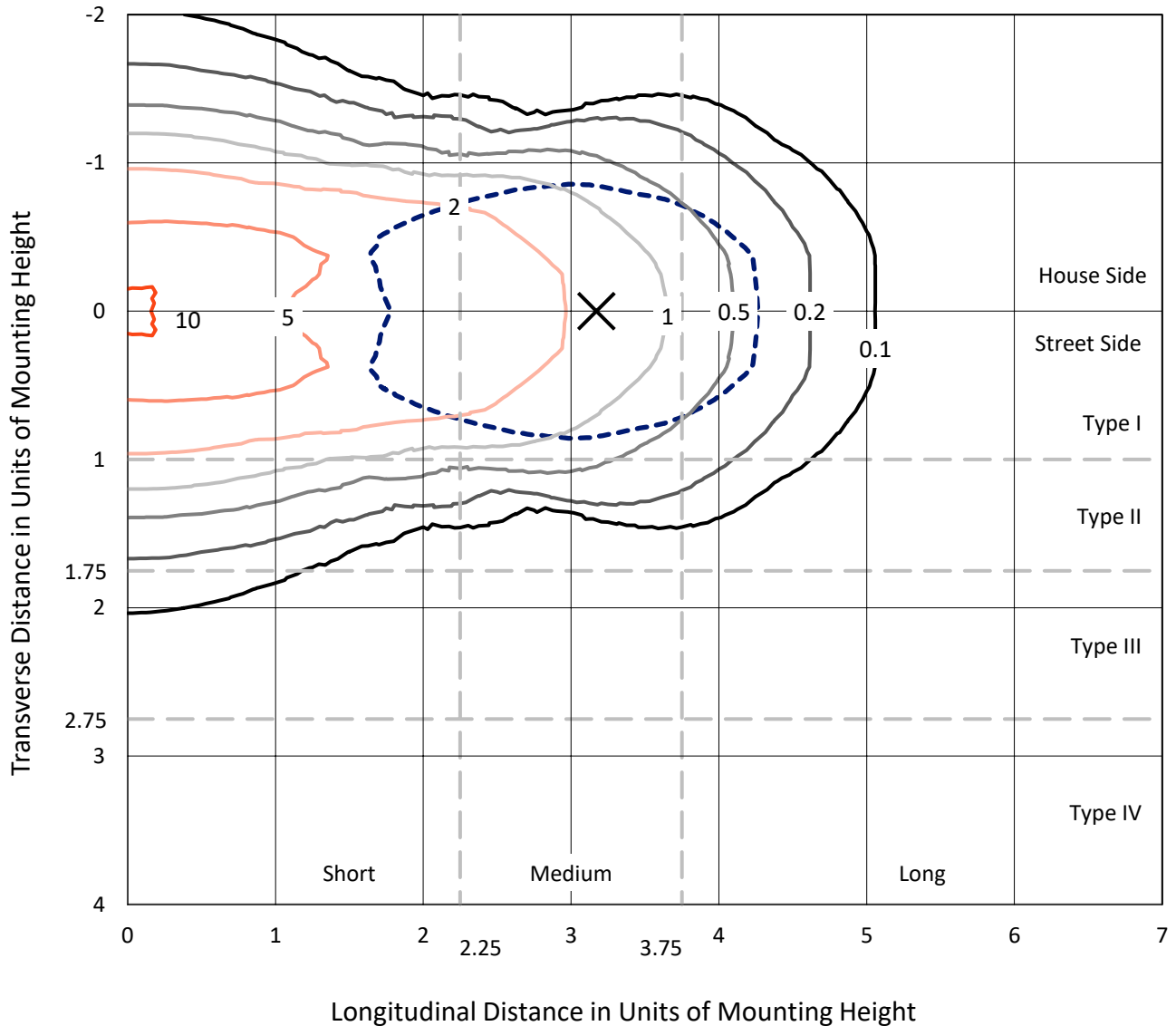
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

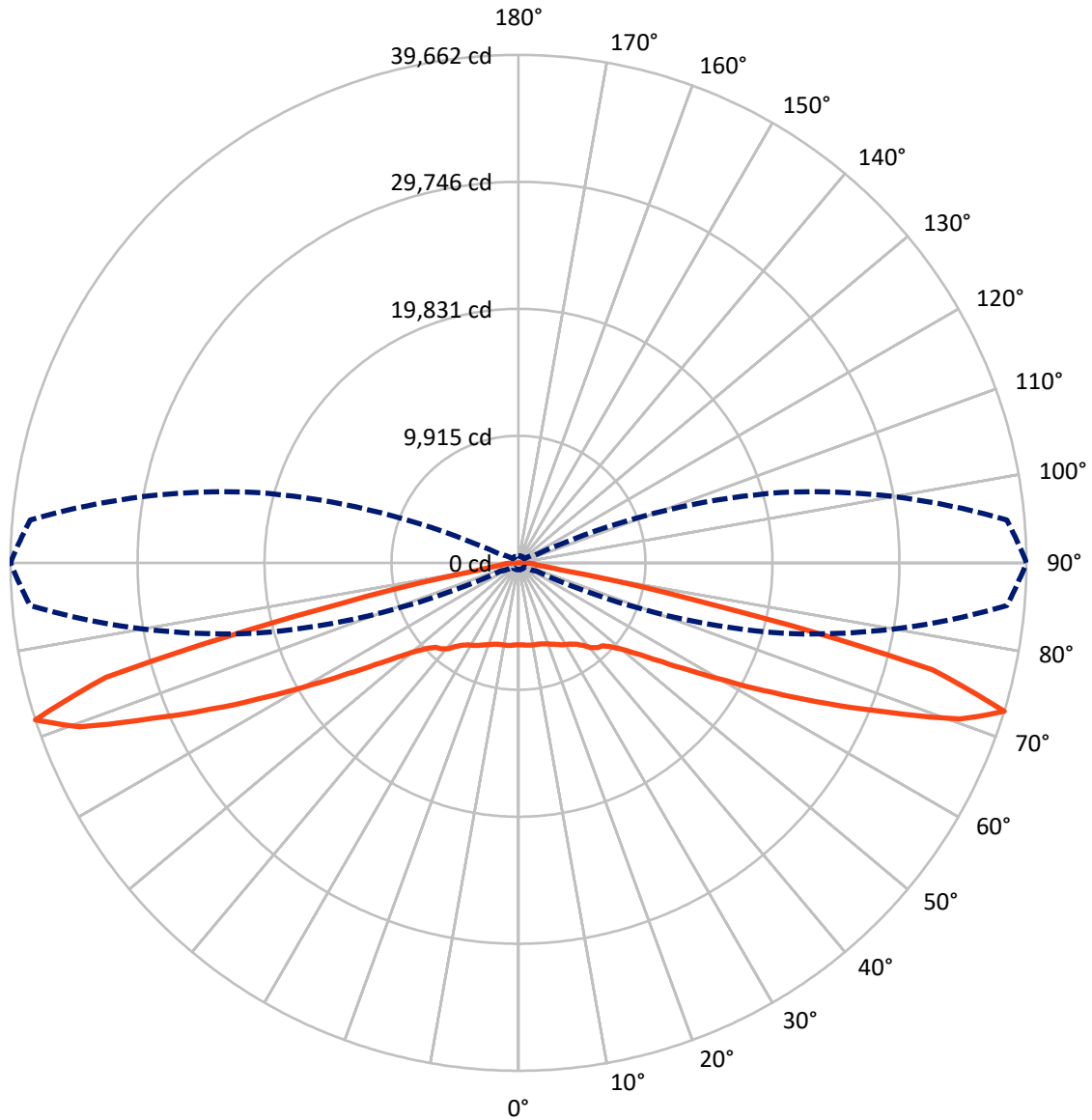
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	17153.5	0.0	17153.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17153.5	0.0	17153.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34307.0	0.0	34307.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	621.6	1.8
10°-20°	1900.6	5.5
20°-30°	3169.0	9.2
30°-40°	4358.4	12.7
40°-50°	5322.8	15.5
50°-60°	6156.4	17.9
60°-70°	7340.5	21.4
70°-80°	5123.2	14.9
80°-90°	314.7	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°	34307.0	100.0
0°-180°	34307.0	100.0

**Coefficient of Utilization**



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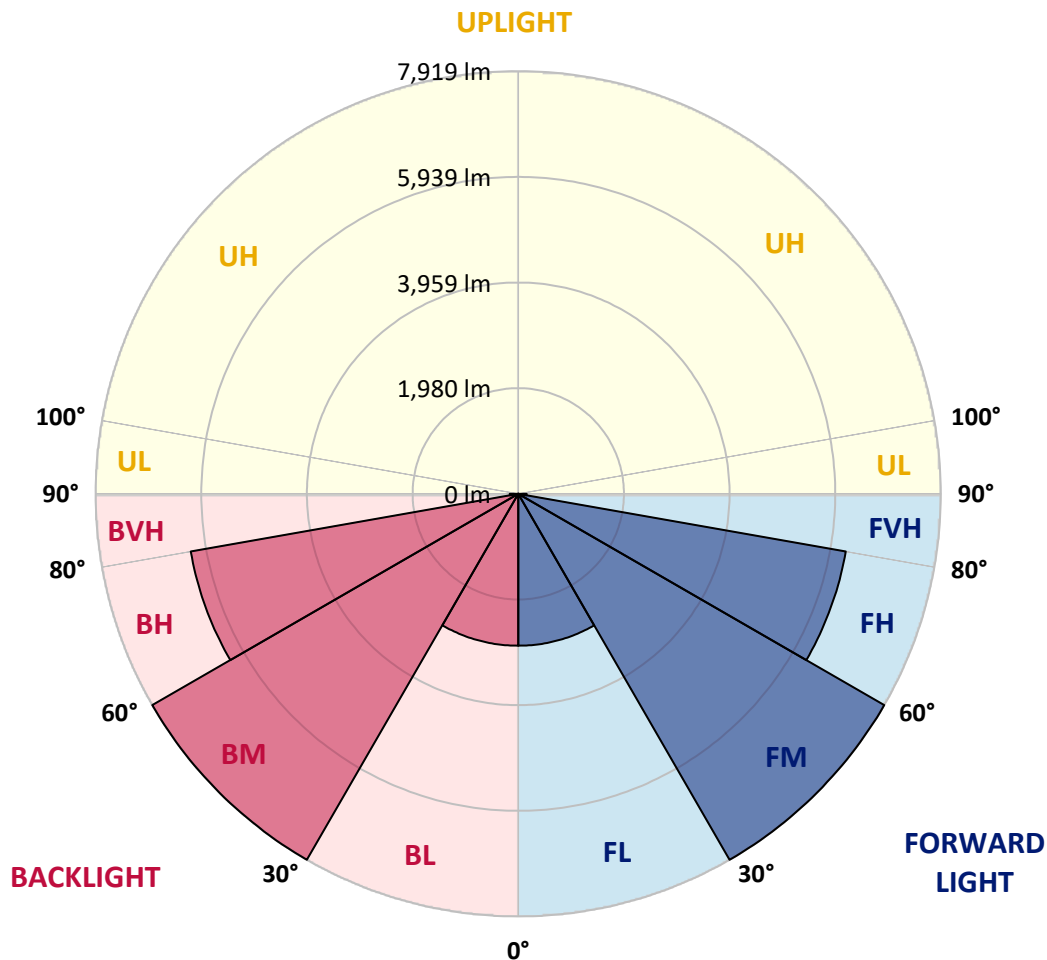
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2845.6	8.3			
FM (30°-60°)	7918.8	23.1			
FH (60°-80°)	6231.8	18.2			G3/7500
FVH (80°-90°)	157.3	0.5			G2/225
BL (0°-30°)	2845.6	8.3	B4/5000		
BM (30°-60°)	7918.8	23.1	B4/8500		
BH (60°-80°)	6231.8	18.2	B5		G5
BVH (80°-90°)	157.3	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°	6410.6	6410.6	6410.6	6410.6	6410.6	6410.6	6410.6	6410.6	6410.6	6410.6
2.5°	6416.1	6423.4	6423.4	6417.9	6430.7	6419.7	6419.7	6414.3	6419.7	6414.3
5°	6448.9	6458.0	6461.7	6459.9	6476.3	6467.1	6467.1	6459.9	6461.7	6456.2
7.5°	6510.9	6523.7	6531.0	6540.1	6563.8	6552.8	6545.5	6523.7	6514.6	6500.0
10°	6531.0	6545.5	6569.2	6616.7	6671.4	6673.2	6651.3	6596.6	6554.7	6521.8
12.5°	6469.0	6489.0	6538.3	6634.9	6757.0	6806.3	6771.6	6680.5	6598.4	6540.1
15°	6390.6	6412.4	6487.2	6633.1	6813.6	6928.4	6924.8	6804.5	6673.2	6582.0
17.5°	6268.4	6290.3	6397.9	6602.1	6857.3	7046.9	7098.0	6974.0	6789.9	6667.7
20°	6047.8	6067.8	6217.4	6503.6	6871.9	7172.8	7305.9	7196.5	6966.7	6800.8
22.5°	5761.5	5792.5	5967.6	6334.0	6837.3	7304.0	7542.9	7468.1	7172.8	6943.0
25°	5455.2	5488.0	5692.3	6126.2	6747.9	7398.8	7823.7	7776.3	7406.1	7119.9
27.5°	5190.9	5225.5	5447.9	5920.2	6609.4	7435.3	8100.8	8124.5	7688.7	7315.0
30°	4983.0	5015.8	5252.8	5754.2	6430.7	7398.8	8343.3	8507.4	7976.8	7484.5
32.5°	4755.1	4797.0	5046.8	5551.9	6219.2	7311.3	8554.8	8921.3	8310.5	7666.9
35°	4467.0	4505.3	4767.9	5274.7	5942.0	7170.9	8731.7	9380.7	8788.2	7944.0
37.5°	4116.9	4153.4	4414.1	4928.3	5666.7	6974.0	8866.6	9898.5	9357.0	8343.3
40°	3765.1	3799.7	4044.0	4541.8	5336.7	6722.4	8914.0	10405.4	10009.8	8892.1
42.5°	3442.3	3473.3	3697.6	4160.7	4966.6	6401.5	8852.0	10846.6	10595.0	9275.0
45°	3145.1	3172.5	3371.2	3803.3	4581.9	6011.3	8666.0	11320.7	11291.5	9548.5
47.5°	2806.0	2833.4	3039.4	3456.9	4197.2	5553.7	8350.6	11787.5	12259.7	10168.4
50°	2392.1	2415.8	2627.3	3057.6	3797.9	5066.9	7913.0	12153.9	13481.3	11107.4
52.5°	1901.7	1927.2	2133.2	2563.5	3323.8	4543.6	7336.8	12392.8	14892.5	12478.5
55°	1414.9	1433.1	1611.8	1998.3	2736.7	3947.4	6614.8	12460.2	16493.3	14352.8
57.5°	1026.5	1037.4	1152.3	1440.4	2074.9	3201.7	5737.8	12285.2	18398.6	16755.9
60°	831.4	835.1	869.7	997.3	1442.2	2359.3	4678.5	11683.5	20466.2	19853.6
62.5°	754.8	754.8	764.0	798.6	975.5	1557.1	3396.8	10436.4	22683.3	23768.2
65°	702.0	702.0	705.6	722.0	769.4	991.9	2144.2	8405.3	24552.2	28353.7
67.5°	654.6	656.4	654.6	660.0	687.4	733.0	1243.5	5805.3	25558.6	33105.2
70°	605.3	609.0	599.9	599.9	621.7	623.6	778.5	3183.4	24723.6	37087.2
72.5°	547.0	552.5	537.9	534.2	550.6	543.3	585.3	1527.9	21226.5	38276.0
75°	495.9	503.2	470.4	461.3	461.3	455.8	475.9	784.0	13776.6	31223.5
77.5°	450.3	464.9	412.1	382.9	375.6	359.2	388.4	479.5	6025.9	14659.1
80°	371.9	392.0	339.1	304.5	291.7	273.5	306.3	335.5	1792.3	3404.0
82.5°	277.1	286.3	240.7	217.0	206.0	193.3	229.7	233.4	583.4	1205.2
85°	176.9	180.5	147.7	127.6	122.2	116.7	145.9	127.6	222.4	886.1
87.5°	62.0	71.1	56.5	51.1	54.7	45.6	67.5	38.3	62.0	625.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6410.6  
6414.3  
6456.2  
6500.0  
6516.4  
6531.0  
6567.4  
6647.7  
6769.8  
6901.1  
7061.5  
7253.0  
7395.2  
7553.8  
7818.2  
8175.6  
8713.4  
9045.3  
9238.5  
9811.0  
10658.8  
11926.0  
13661.8  
15886.2  
18757.8  
22300.4  
26497.6  
31101.4  
36560.3  
39661.6  
33396.9  
14354.6  
3260.0  
1362.0  
1287.2  
774.9  
0.0

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