

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: P851424

Luminaire Tested: **GLAN-SB9B-927-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851424  
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-SB9B-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32675 lumens  
Efficiency: N/A  
Efficacy: 99.2 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

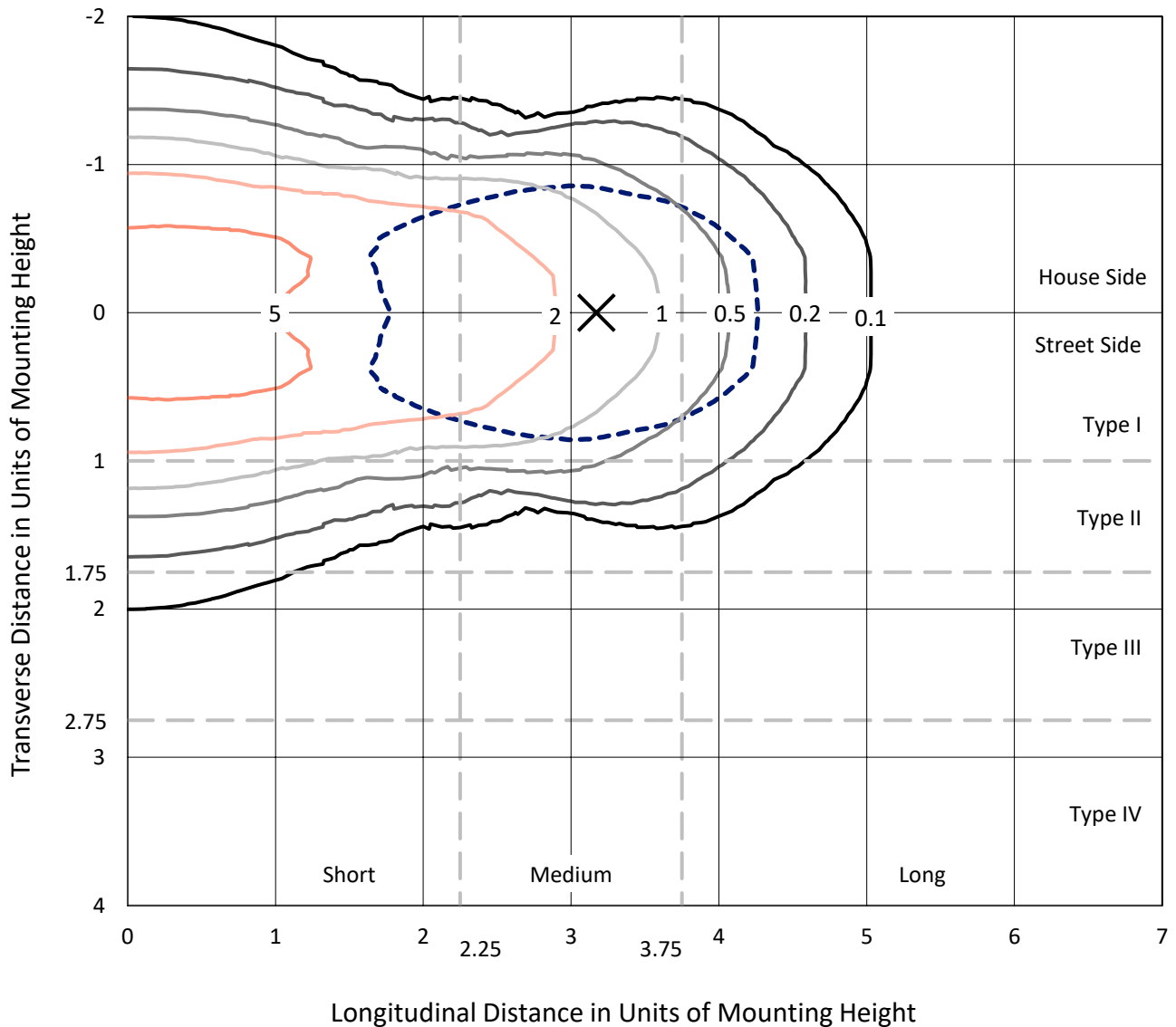
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

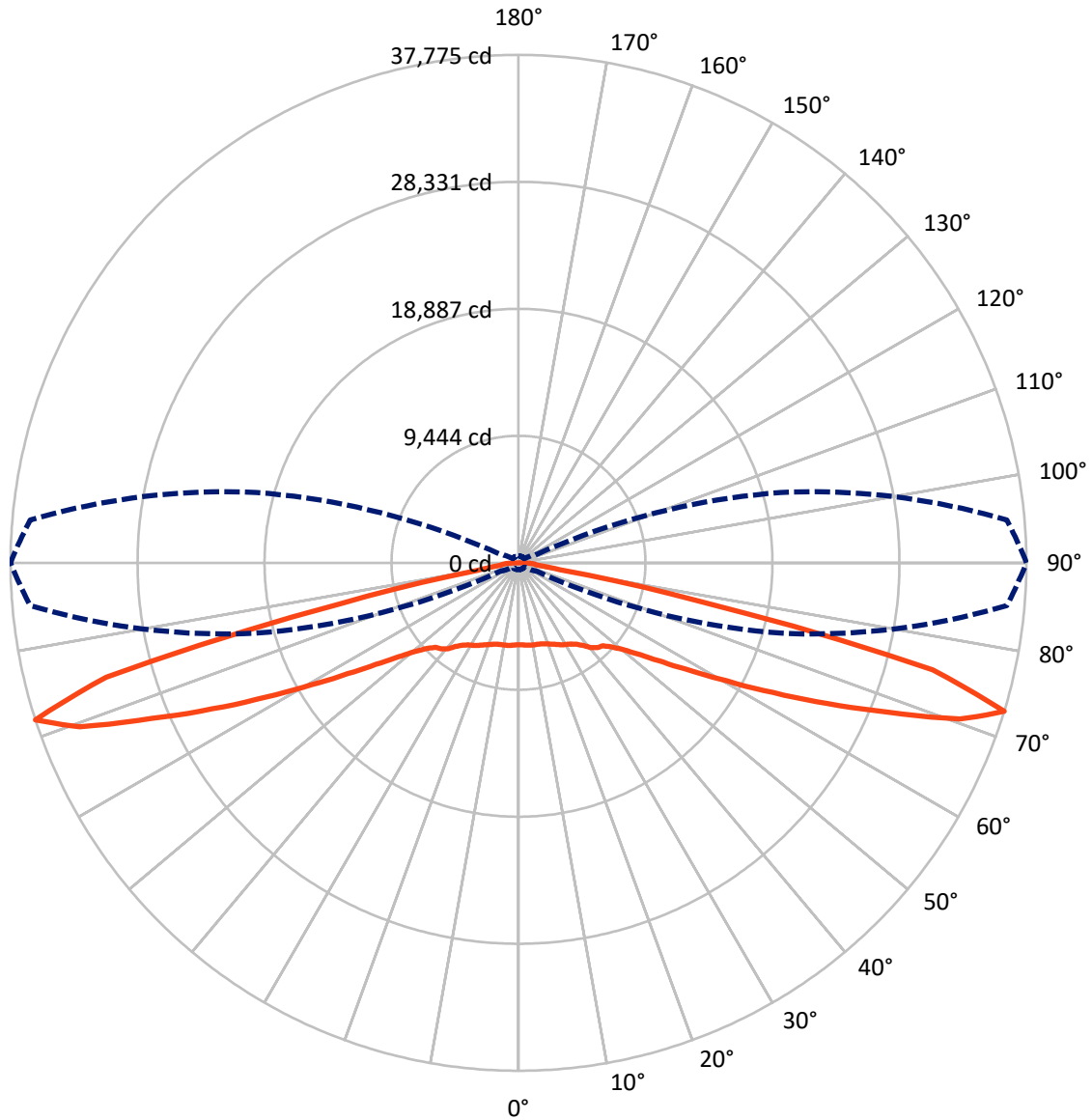
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	16337.5	0.0	16337.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16337.5	0.0	16337.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32675.0	0.0	32675.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	592.0	1.8
10°-20°	1810.2	5.5
20°-30°	3018.3	9.2
30°-40°	4151.1	12.7
40°-50°	5069.6	15.5
50°-60°	5863.5	17.9
60°-70°	6991.3	21.4
70°-80°	4879.4	14.9
80°-90°	299.7	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°	32675.0	100.0
0°-180°	32675.0	100.0

**Coefficient of Utilization**

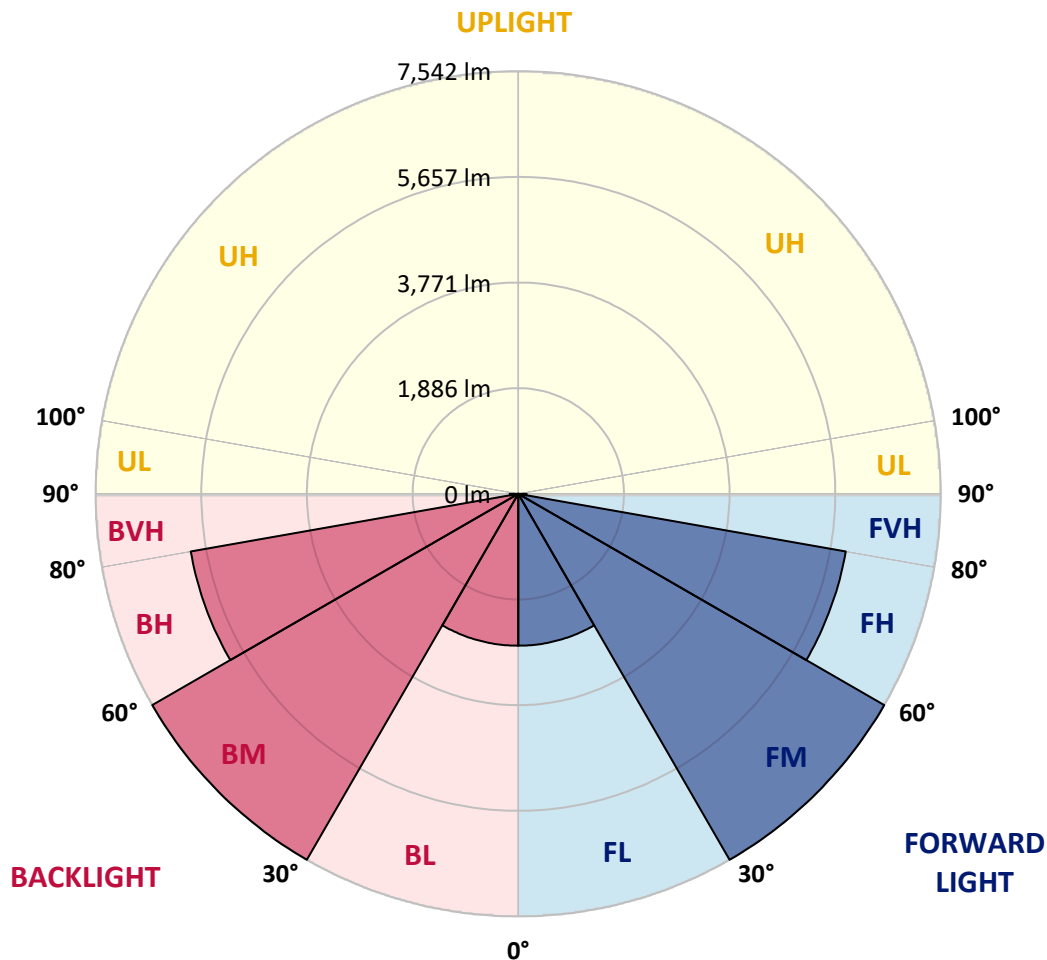


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2710.2	8.3			
FM (30°-60°)	7542.1	23.1			
FH (60°-80°)	5935.4	18.2			G3/7500
FVH (80°-90°)	149.8	0.5			G2/225
BL (0°-30°)	2710.2	8.3	B4/5000		
BM (30°-60°)	7542.1	23.1	B4/8500		
BH (60°-80°)	5935.4	18.2	B5		G5
BVH (80°-90°)	149.8	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°	6105.7	6105.7	6105.7	6105.7	6105.7	6105.7	6105.7	6105.7	6105.7	6105.7
2.5°	6110.9	6117.8	6117.8	6112.6	6124.8	6114.4	6114.4	6109.1	6114.4	6109.1
5°	6142.1	6150.8	6154.3	6152.6	6168.2	6159.5	6159.5	6152.6	6154.3	6149.1
7.5°	6201.2	6213.3	6220.3	6229.0	6251.5	6241.1	6234.2	6213.3	6204.7	6190.8
10°	6220.3	6234.2	6256.7	6301.9	6354.0	6355.7	6334.9	6282.8	6242.9	6211.6
12.5°	6161.2	6180.3	6227.2	6319.3	6435.6	6482.5	6449.5	6362.7	6284.5	6229.0
15°	6086.6	6107.4	6178.6	6317.5	6489.4	6598.8	6595.4	6480.8	6355.7	6268.9
17.5°	5970.2	5991.1	6093.5	6288.0	6531.1	6711.7	6760.3	6642.3	6466.9	6350.5
20°	5760.1	5779.2	5921.6	6194.2	6545.0	6831.5	6958.3	6854.1	6635.3	6477.3
22.5°	5487.5	5517.0	5683.7	6032.7	6512.0	6956.6	7184.1	7112.9	6831.5	6612.7
25°	5195.7	5227.0	5421.5	5834.8	6426.9	7046.9	7451.5	7406.3	7053.8	6781.2
27.5°	4943.9	4976.9	5188.8	5638.5	6295.0	7081.6	7715.4	7738.0	7323.0	6967.0
30°	4746.0	4777.2	5003.0	5480.5	6124.8	7046.9	7946.4	8102.7	7597.4	7128.5
32.5°	4528.9	4568.8	4806.7	5287.8	5923.3	6963.5	8147.8	8496.9	7915.1	7302.1
35°	4254.5	4291.0	4541.0	5023.8	5659.4	6829.8	8316.3	8934.5	8370.1	7566.1
37.5°	3921.1	3955.8	4204.2	4693.9	5397.2	6642.3	8444.8	9427.7	8911.9	7946.4
40°	3586.0	3618.9	3851.6	4325.7	5082.8	6402.6	8489.9	9910.4	9533.6	8469.1
42.5°	3278.6	3308.1	3521.7	3962.8	4730.3	6097.0	8430.9	10330.7	10091.0	8833.8
45°	2995.5	3021.6	3210.9	3622.4	4363.9	5725.4	8253.8	10782.2	10754.4	9094.3
47.5°	2672.5	2698.6	2894.8	3292.5	3997.5	5289.5	7953.3	11226.7	11676.5	9684.7
50°	2278.3	2300.9	2502.4	2912.2	3617.2	4825.8	7536.6	11575.8	12840.0	10579.0
52.5°	1811.2	1835.5	2031.7	2441.6	3165.7	4327.5	6987.8	11803.3	14184.0	11884.9
55°	1347.6	1364.9	1535.1	1903.2	2606.5	3759.6	6300.2	11867.5	15708.7	13670.0
57.5°	977.7	988.1	1097.5	1371.9	1976.2	3049.4	5464.9	11700.8	17523.4	15958.8
60°	791.9	795.3	828.3	949.9	1373.6	2247.1	4456.0	11127.7	19492.6	18909.2
62.5°	718.9	718.9	727.6	760.6	929.0	1483.0	3235.2	9939.9	21604.3	22637.5
65°	668.6	668.6	672.0	687.7	732.8	944.7	2042.2	8005.4	23384.2	27004.9
67.5°	623.4	625.2	623.4	628.6	654.7	698.1	1184.3	5529.1	24342.8	31530.3
70°	576.5	580.0	571.3	571.3	592.2	593.9	741.5	3032.0	23547.5	35322.9
72.5°	521.0	526.2	512.3	508.8	524.4	517.5	557.4	1455.2	20216.8	36455.1
75°	472.3	479.3	448.0	439.3	439.3	434.1	453.2	746.7	13121.3	29738.2
77.5°	428.9	442.8	392.5	364.7	357.7	342.1	369.9	456.7	5739.3	13961.8
80°	354.3	373.4	323.0	290.0	277.8	260.5	291.7	319.5	1707.0	3242.1
82.5°	264.0	272.6	229.2	206.6	196.2	184.1	218.8	222.3	555.7	1147.9
85°	168.4	171.9	140.7	121.6	116.3	111.1	138.9	121.6	211.9	844.0
87.5°	59.0	67.7	53.8	48.6	52.1	43.4	64.3	36.5	59.0	595.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6105.7  
6109.1  
6149.1  
6190.8  
6206.4  
6220.3  
6255.0  
6331.4  
6447.8  
6572.8  
6725.6  
6907.9  
7043.4  
7194.5  
7446.3  
7786.6  
8298.9  
8615.0  
8799.0  
9344.3  
10151.8  
11358.7  
13011.9  
15130.5  
17865.5  
21239.6  
25237.1  
29621.9  
34821.1  
37774.9  
31808.2  
13671.8  
3104.9  
1297.2  
1226.0  
738.0  
0.0

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