

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: P851374

Luminaire Tested: **GLAN-SB9B-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851374
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40455 lumens
Efficiency: N/A
Efficacy: 122.8 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

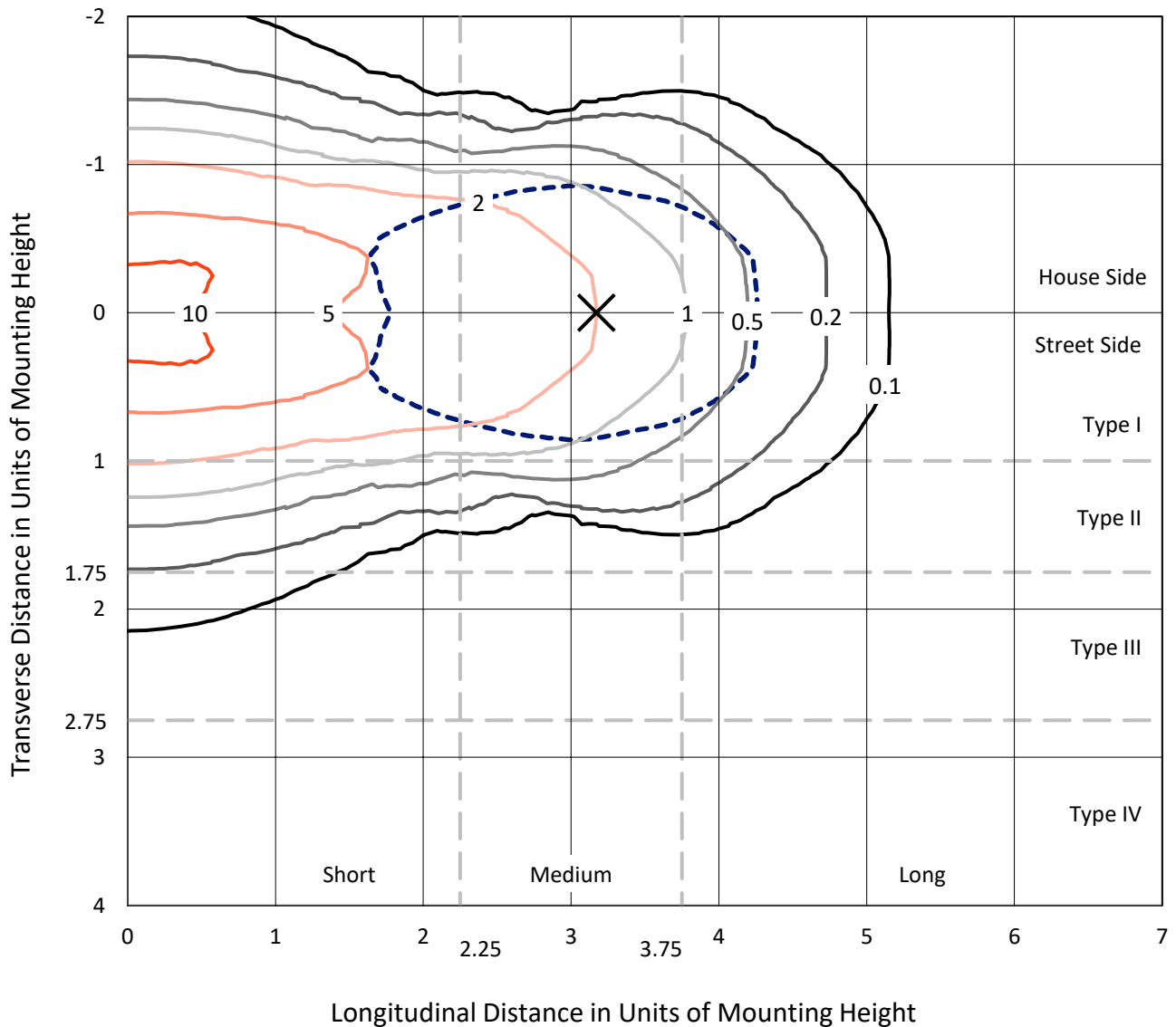
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

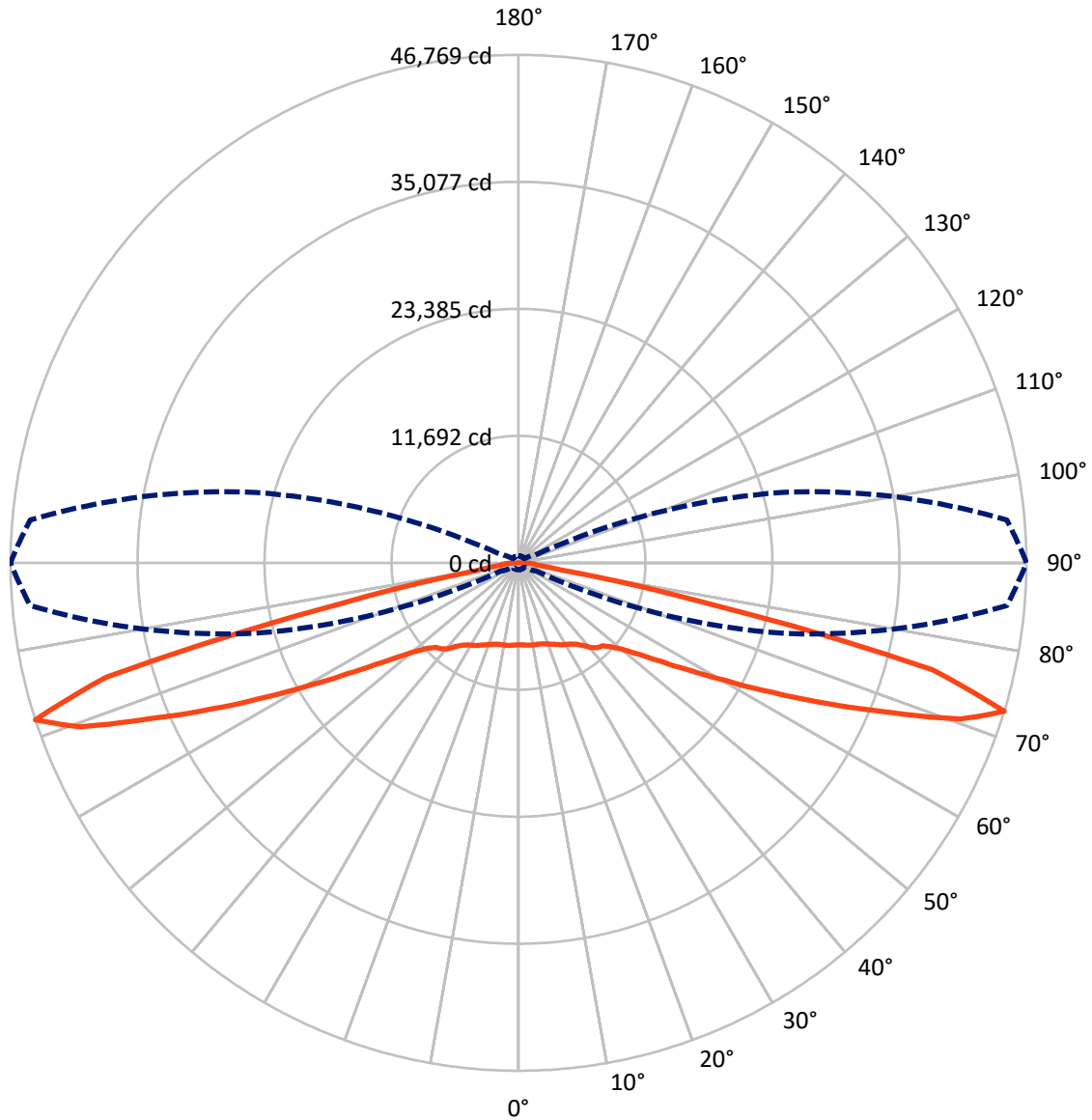
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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
House Side	Lumens	20227.5	0.0	20227.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20227.5	0.0	20227.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40455.0	0.0	40455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.0	1.8
10°-20°	2241.2	5.5
20°-30°	3736.9	9.2
30°-40°	5139.4	12.7
40°-50°	6276.7	15.5
50°-60°	7259.6	17.9
60°-70°	8655.9	21.4
70°-80°	6041.3	14.9
80°-90°	371.1	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°	40455.0	100.0
0°-180°	40455.0	100.0

Coefficient of Utilization



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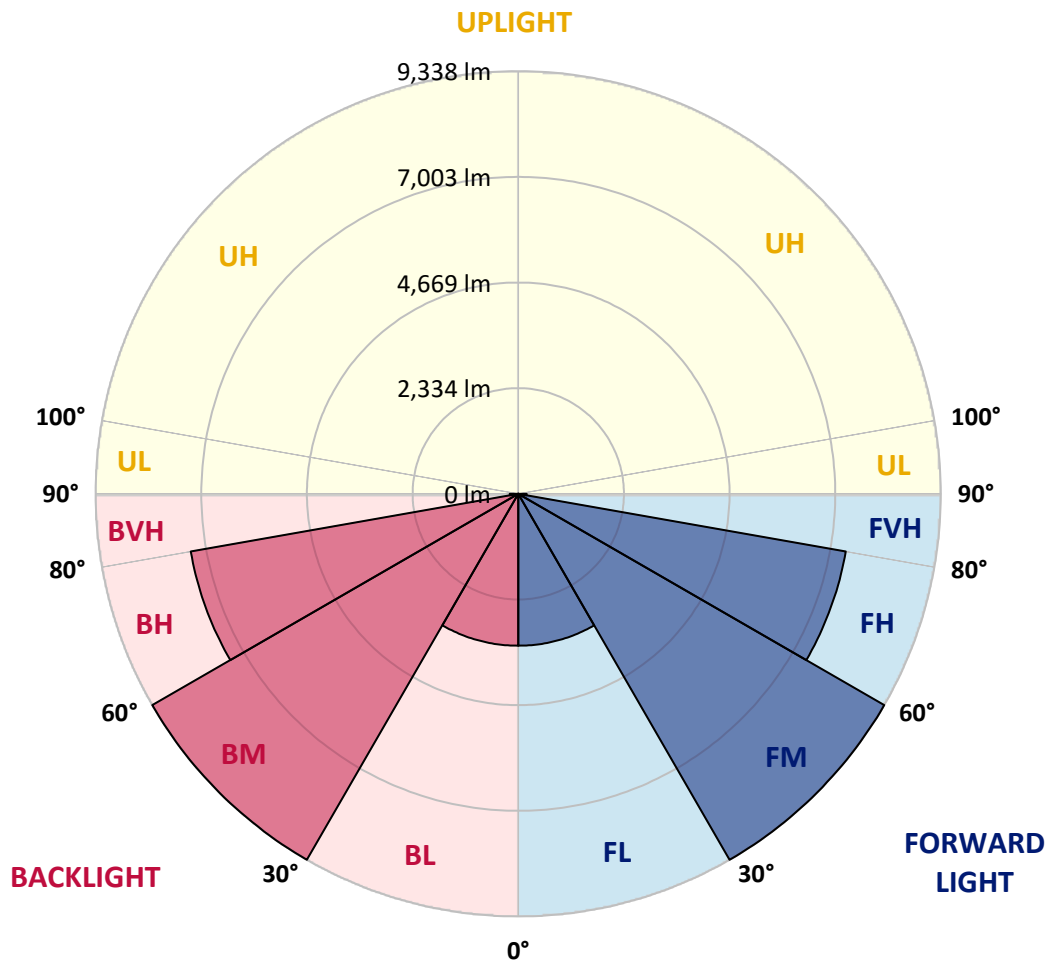
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3355.5	8.3			
FM (30°-60°)	9337.9	23.1			
FH (60°-80°)	7348.6	18.2			G3/7500
FVH (80°-90°)	185.5	0.5			G2/225
BL (0°-30°)	3355.5	8.3	B4/5000		
BM (30°-60°)	9337.9	23.1	B5		
BH (60°-80°)	7348.6	18.2	B5		G5
BVH (80°-90°)	185.5	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°	7559.4	7559.4	7559.4	7559.4	7559.4	7559.4	7559.4	7559.4	7559.4	7559.4
2.5°	7565.9	7574.5	7574.5	7568.0	7583.1	7570.2	7570.2	7563.7	7570.2	7563.7
5°	7604.6	7615.3	7619.6	7617.5	7636.8	7626.1	7626.1	7617.5	7619.6	7613.2
7.5°	7677.7	7692.7	7701.3	7712.1	7740.0	7727.1	7718.5	7692.7	7682.0	7664.8
10°	7701.3	7718.5	7746.5	7802.4	7866.9	7869.0	7843.2	7778.7	7729.3	7690.6
12.5°	7628.2	7651.9	7709.9	7823.9	7967.9	8026.0	7985.1	7877.6	7780.9	7712.1
15°	7535.8	7561.6	7649.7	7821.7	8034.6	8170.0	8165.7	8023.8	7869.0	7761.5
17.5°	7391.7	7417.5	7544.4	7785.2	8086.2	8309.8	8370.0	8223.8	8006.6	7862.6
20°	7131.6	7155.2	7331.5	7669.1	8103.4	8458.1	8615.1	8486.1	8215.2	8019.5
22.5°	6794.0	6830.6	7037.0	7469.1	8062.5	8612.9	8894.6	8806.5	8458.1	8187.2
25°	6432.8	6471.5	6712.3	7224.0	7957.2	8724.8	9225.7	9169.8	8733.4	8395.8
27.5°	6121.1	6161.9	6424.2	6981.1	7793.8	8767.8	9552.5	9580.5	9066.6	8625.8
30°	5876.0	5914.7	6194.2	6785.4	7583.1	8724.8	9838.5	10032.0	9406.3	8825.8
32.5°	5607.2	5656.7	5951.2	6546.8	7333.7	8621.5	10087.9	10520.0	9799.8	9040.8
35°	5267.5	5312.7	5622.3	6220.0	7006.9	8456.0	10296.4	11061.8	10363.1	9367.6
37.5°	4854.7	4897.7	5205.2	5811.5	6682.2	8223.8	10455.5	11672.4	11033.9	9838.5
40°	4439.8	4480.6	4768.7	5355.7	6293.1	7927.1	10511.4	12270.1	11803.6	10485.6
42.5°	4059.2	4095.8	4360.2	4906.3	5856.6	7548.7	10438.3	12790.4	12493.7	10937.1
45°	3708.8	3741.0	3975.4	4484.9	5403.0	7088.6	10219.0	13349.4	13315.0	11259.6
47.5°	3308.9	3341.1	3584.1	4076.4	4949.3	6548.9	9847.1	13899.8	14456.7	11990.6
50°	2820.8	2848.8	3098.2	3605.6	4478.5	5974.9	9331.1	14332.0	15897.2	13097.9
52.5°	2242.5	2272.6	2515.5	3022.9	3919.5	5357.8	8651.7	14613.6	17561.3	14714.7
55°	1668.4	1689.9	1900.6	2356.4	3227.2	4654.8	7800.2	14693.2	19449.0	16924.9
57.5°	1210.5	1223.4	1358.8	1698.5	2446.7	3775.4	6766.1	14486.8	21695.8	19758.6
60°	980.4	984.7	1025.6	1176.1	1700.7	2782.1	5516.9	13777.3	24133.9	23411.5
62.5°	890.1	890.1	900.9	941.7	1150.3	1836.1	4005.5	12306.7	26748.3	28027.6
65°	827.8	827.8	832.1	851.4	907.3	1169.6	2528.4	9911.6	28952.1	33434.8
67.5°	771.9	774.0	771.9	778.3	810.6	864.3	1466.3	6845.6	30138.9	39037.8
70°	713.8	718.1	707.4	707.4	733.2	735.3	918.1	3753.9	29154.2	43733.4
72.5°	645.0	651.5	634.3	630.0	649.3	640.7	690.2	1801.7	25030.4	45135.2
75°	584.8	593.4	554.7	544.0	544.0	537.5	561.2	924.5	16245.5	36819.0
77.5°	531.1	548.3	485.9	451.5	442.9	423.6	458.0	565.5	7105.8	17286.1
80°	438.6	462.3	399.9	359.1	344.0	322.5	361.2	395.6	2113.5	4014.1
82.5°	326.8	337.6	283.8	255.9	243.0	227.9	270.9	275.2	688.0	1421.2
85°	208.6	212.9	174.2	150.5	144.1	137.6	172.0	150.5	262.3	1044.9
87.5°	73.1	83.9	66.7	60.2	64.5	53.8	79.6	45.2	73.1	737.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7559.4
7563.7
7613.2
7664.8
7684.1
7701.3
7744.3
7838.9
7983.0
8137.8
8327.0
8552.7
8720.5
8907.5
9219.3
9640.7
10274.9
10666.2
10894.1
11569.2
12569.0
14063.2
16110.0
18733.1
22119.3
26296.8
31246.1
36674.9
43112.0
46769.2
39381.8
16927.0
3844.2
1606.1
1517.9
913.8
0.0

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