

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: P848144

Luminaire Tested: **GLAN-SB4C-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848144
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-SB4C-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23674 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

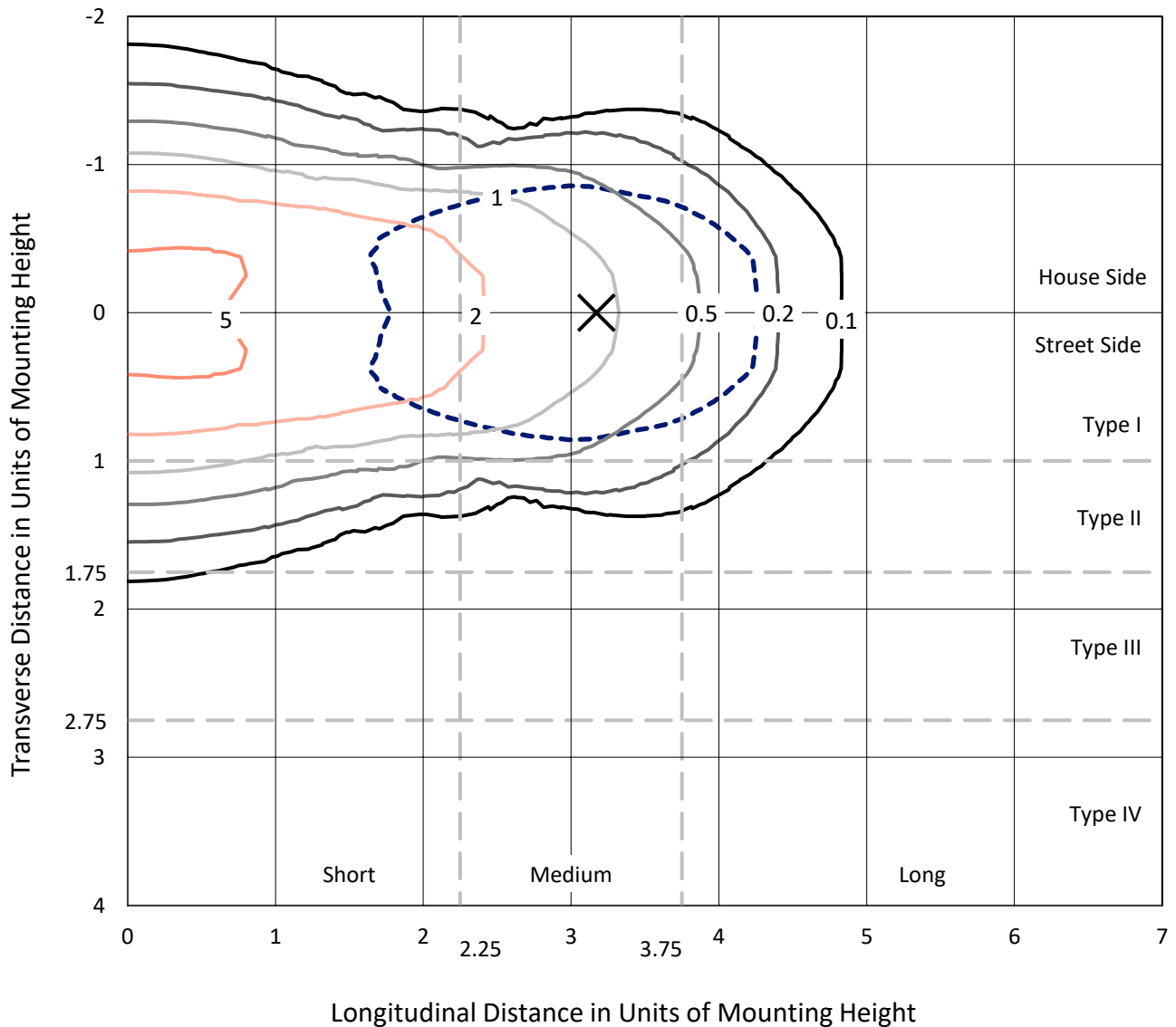
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

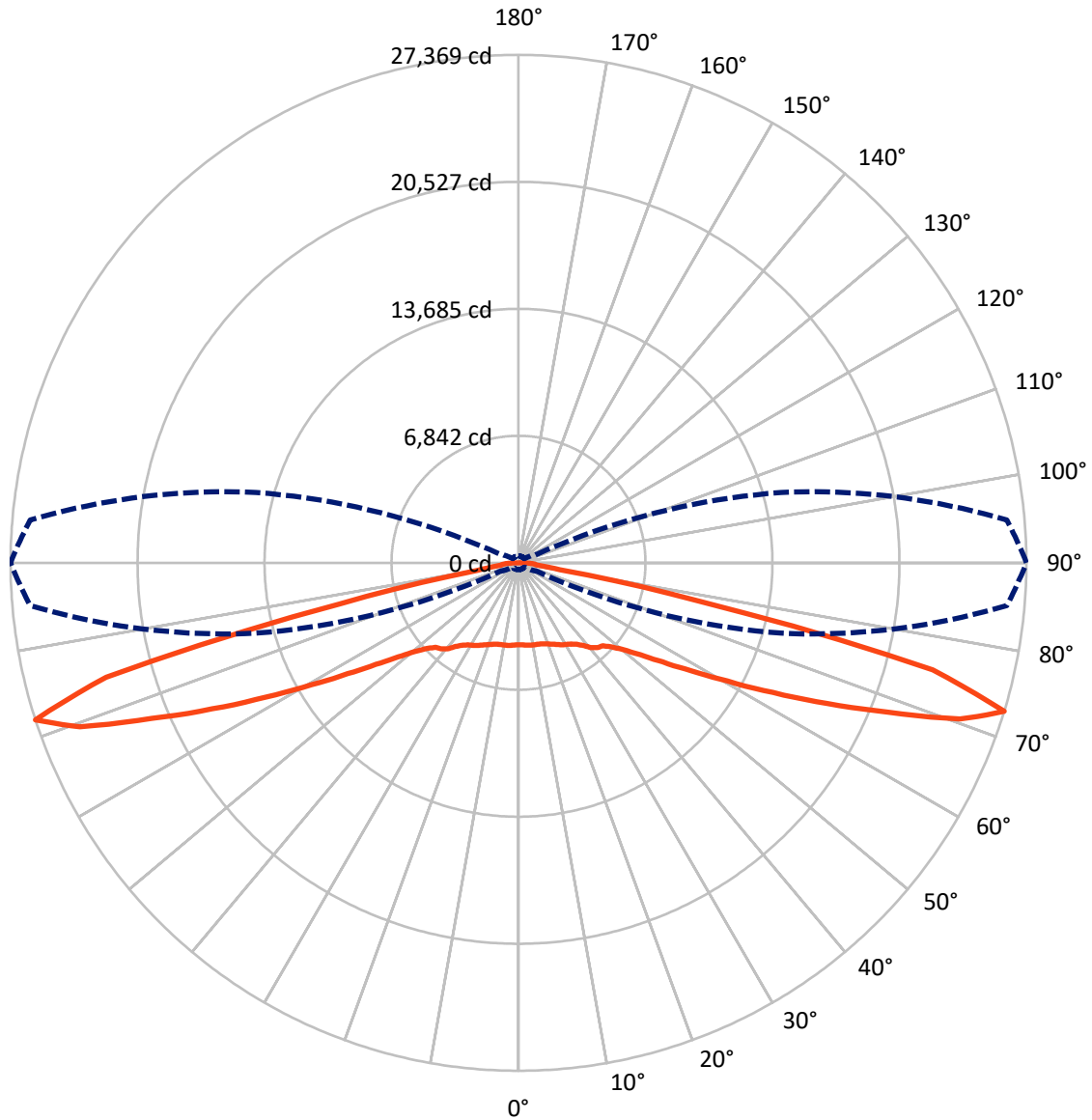
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	11837.0	0.0	11837.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11837.0	0.0	11837.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23674.0	0.0	23674.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.9	1.8
10°-20°	1311.5	5.5
20°-30°	2186.8	9.2
30°-40°	3007.6	12.7
40°-50°	3673.1	15.5
50°-60°	4248.3	17.9
60°-70°	5065.4	21.4
70°-80°	3535.3	14.9
80°-90°	217.1	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°	23674.0	100.0
0°-180°	23674.0	100.0

Coefficient of Utilization

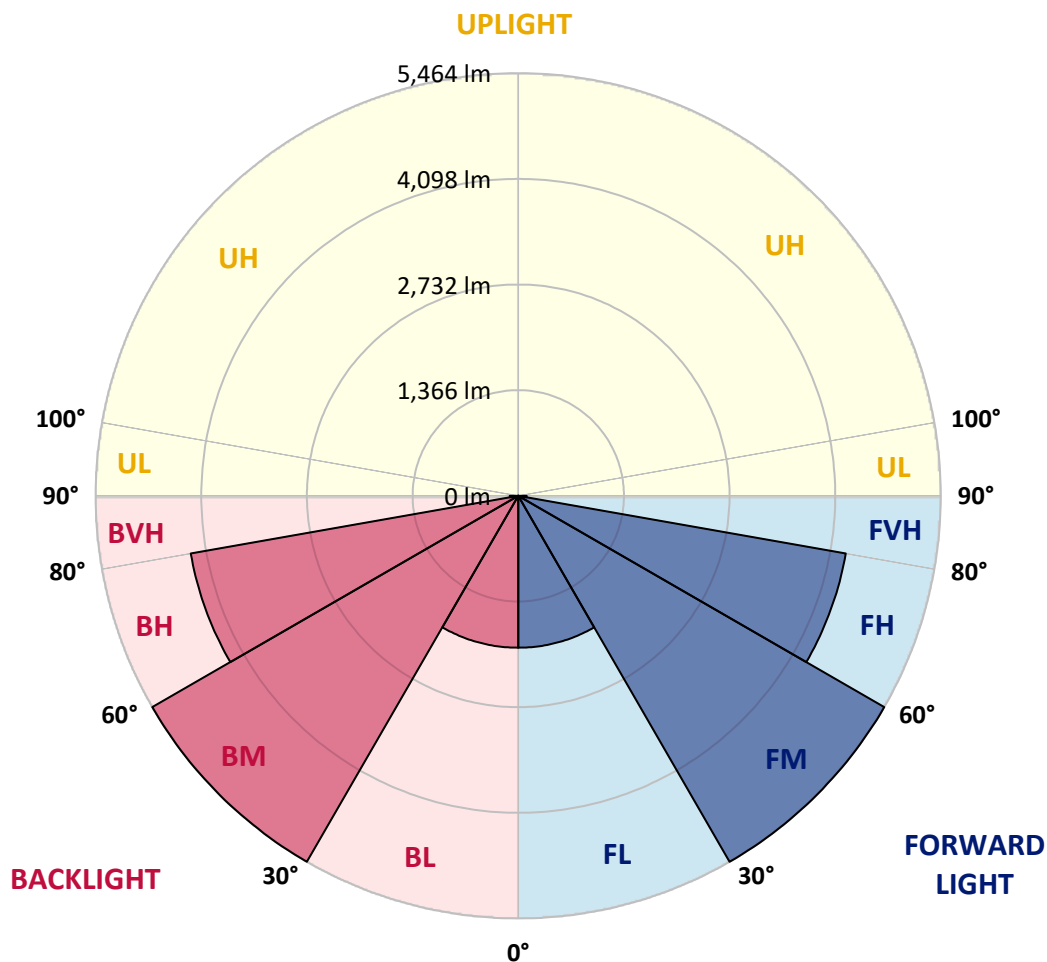


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1963.6	8.3			
FM (30°-60°)	5464.5	23.1			
FH (60°-80°)	4300.3	18.2			G2/5000
FVH (80°-90°)	108.6	0.5			G2/225
BL (0°-30°)	1963.6	8.3	B3/2500		
BM (30°-60°)	5464.5	23.1	B4/8500		
BH (60°-80°)	4300.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	108.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4423.7	4423.7	4423.7	4423.7	4423.7	4423.7	4423.7	4423.7	4423.7	4423.7
2.5°	4427.5	4432.5	4432.5	4428.8	4437.6	4430.0	4430.0	4426.3	4430.0	4426.3
5°	4450.2	4456.4	4459.0	4457.7	4469.0	4462.7	4462.7	4457.7	4459.0	4455.2
7.5°	4492.9	4501.7	4506.8	4513.1	4529.4	4521.9	4516.8	4501.7	4495.5	4485.4
10°	4506.8	4516.8	4533.2	4565.9	4603.7	4604.9	4589.8	4552.1	4523.1	4500.5
12.5°	4464.0	4477.8	4511.8	4578.5	4662.8	4696.8	4672.9	4609.9	4553.3	4513.1
15°	4409.9	4425.0	4476.6	4577.2	4701.8	4781.1	4778.5	4695.5	4604.9	4542.0
17.5°	4325.6	4340.7	4414.9	4555.8	4732.0	4862.8	4898.1	4812.5	4685.4	4601.1
20°	4173.4	4187.2	4290.4	4487.9	4742.1	4949.7	5041.5	4966.0	4807.5	4693.0
22.5°	3975.8	3997.2	4118.0	4370.9	4718.1	5040.2	5205.1	5153.5	4949.7	4791.1
25°	3764.5	3787.1	3928.0	4227.5	4656.5	5105.7	5398.8	5366.1	5110.7	4913.2
27.5°	3582.0	3605.9	3759.4	4085.3	4560.9	5130.8	5590.1	5606.4	5305.7	5047.8
30°	3438.6	3461.2	3624.8	3970.8	4437.6	5105.7	5757.4	5870.6	5504.5	5164.8
32.5°	3281.3	3310.3	3482.6	3831.1	4291.6	5045.3	5903.3	6156.2	5734.8	5290.6
35°	3082.5	3108.9	3290.1	3639.9	4100.4	4948.4	6025.4	6473.3	6064.4	5481.9
37.5°	2841.0	2866.1	3046.0	3400.8	3910.4	4812.5	6118.5	6830.6	6456.9	5757.4
40°	2598.1	2622.0	2790.6	3134.1	3682.7	4638.9	6151.2	7180.4	6907.4	6136.1
42.5°	2375.4	2396.8	2551.6	2871.2	3427.3	4417.4	6108.4	7484.9	7311.2	6400.3
45°	2170.3	2189.2	2326.4	2624.5	3161.8	4148.2	5980.1	7812.0	7791.9	6589.1
47.5°	1936.3	1955.2	2097.4	2385.5	2896.3	3832.4	5762.4	8134.1	8460.0	7016.8
50°	1650.7	1667.1	1813.0	2110.0	2620.8	3496.5	5460.5	8387.0	9302.9	7664.8
52.5°	1312.3	1329.9	1472.1	1769.0	2293.6	3135.4	5062.9	8551.8	10276.8	8610.9
55°	976.3	988.9	1112.2	1379.0	1888.5	2723.9	4564.7	8598.4	11381.4	9904.3
57.5°	708.4	715.9	795.2	994.0	1431.8	2209.4	3959.5	8477.6	12696.2	11562.6
60°	573.7	576.2	600.1	688.2	995.2	1628.1	3228.5	8062.4	14123.0	13700.2
62.5°	520.9	520.9	527.2	551.1	673.1	1074.5	2344.0	7201.8	15652.9	16401.5
65°	484.4	484.4	486.9	498.2	530.9	684.4	1479.6	5800.2	16942.6	19565.9
67.5°	451.7	452.9	451.7	455.5	474.3	505.8	858.1	4006.0	17637.1	22844.6
70°	417.7	420.2	413.9	413.9	429.0	430.3	537.2	2196.8	17060.8	25592.5
72.5°	377.5	381.2	371.2	368.6	380.0	374.9	403.9	1054.3	14647.7	26412.8
75°	342.2	347.3	324.6	318.3	318.3	314.5	328.4	541.0	9506.8	21546.2
77.5°	310.8	320.8	284.3	264.2	259.2	247.9	268.0	330.9	4158.3	10115.7
80°	256.7	270.5	234.0	210.1	201.3	188.7	211.4	231.5	1236.8	2349.0
82.5°	191.2	197.5	166.1	149.7	142.2	133.4	158.5	161.0	402.6	831.7
85°	122.0	124.6	101.9	88.1	84.3	80.5	100.7	88.1	153.5	611.5
87.5°	42.8	49.1	39.0	35.2	37.7	31.5	46.6	26.4	42.8	431.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4423.7
4426.3
4455.2
4485.4
4496.7
4506.8
4531.9
4587.3
4671.6
4762.2
4872.9
5005.0
5103.2
5212.6
5395.0
5641.6
6012.8
6241.8
6375.2
6770.2
7355.3
8229.7
9427.5
10962.5
12944.1
15388.7
18285.0
21461.9
25228.9
27369.0
23046.0
9905.6
2249.6
939.9
888.3
534.7
0.0

OF REPORT)