

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: P847974

Luminaire Tested: **GLAN-SB4B-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847974
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-SB4B-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 17801 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

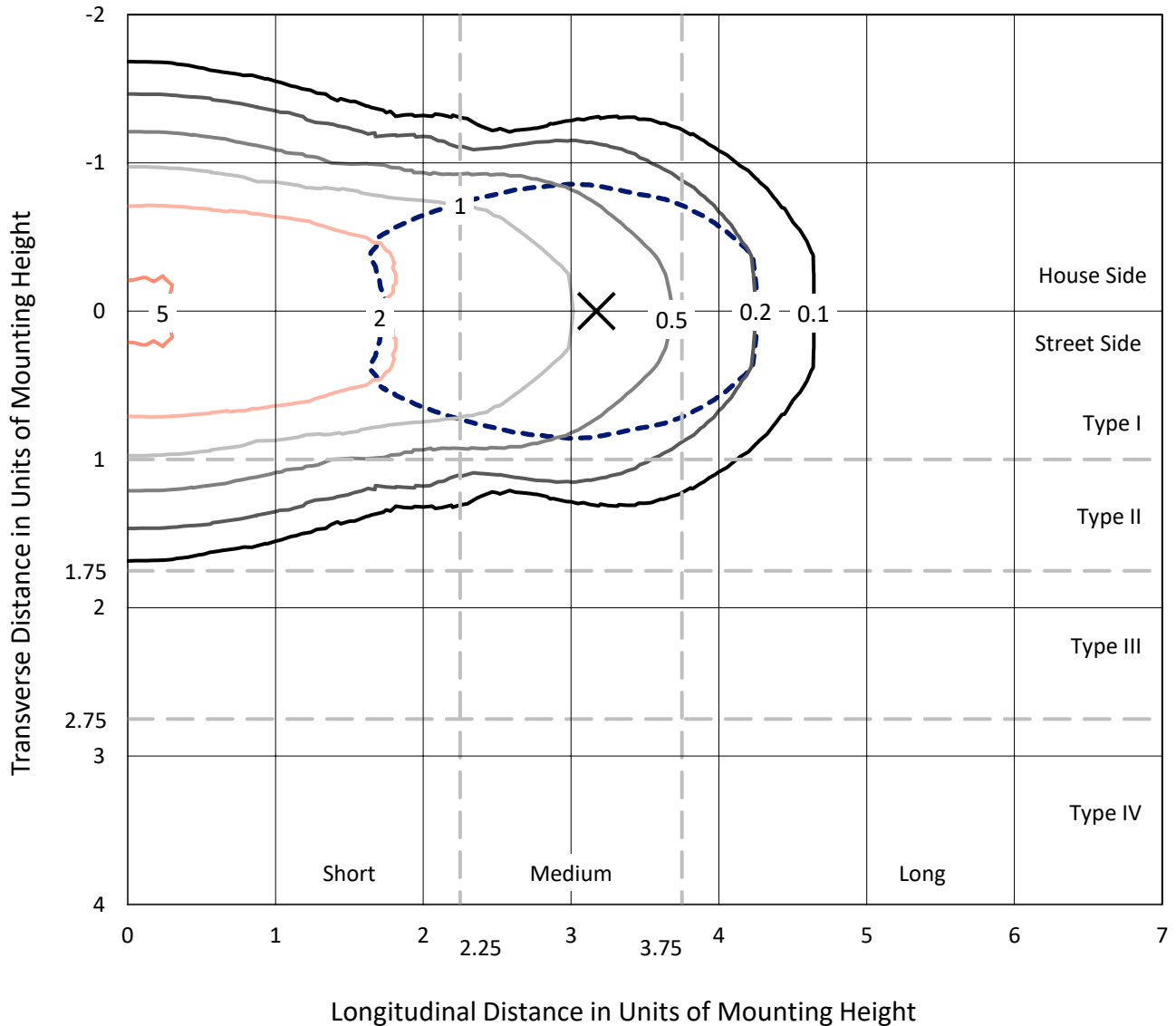
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

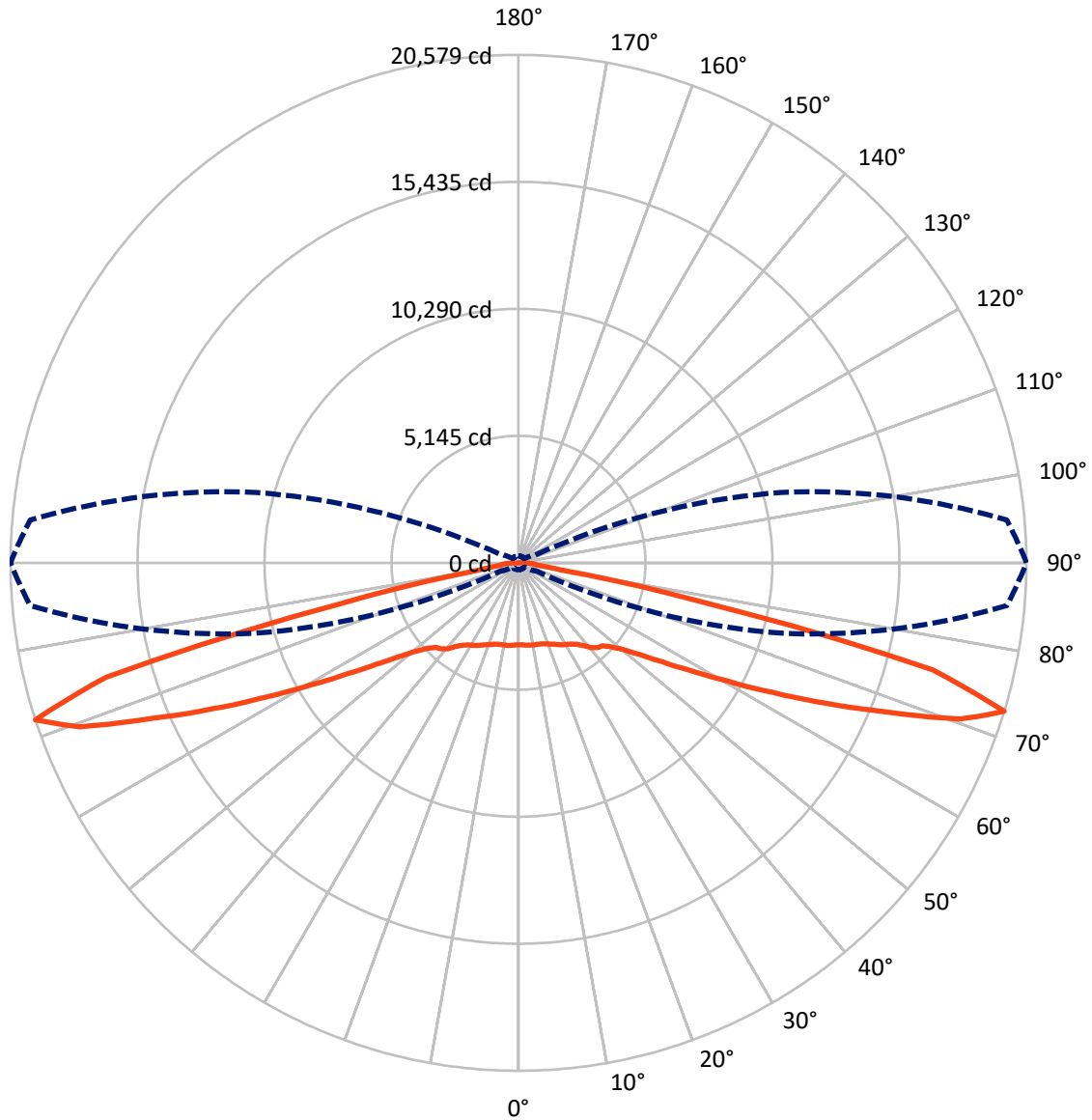
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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
House Side	Lumens	8900.5	0.0	8900.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8900.5	0.0	8900.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17801.0	0.0	17801.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.5	1.8
10°-20°	986.2	5.5
20°-30°	1644.3	9.2
30°-40°	2261.5	12.7
40°-50°	2761.9	15.5
50°-60°	3194.4	17.9
60°-70°	3808.8	21.4
70°-80°	2658.3	14.9
80°-90°	163.3	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°	17801.0	100.0
0°-180°	17801.0	100.0

Coefficient of Utilization

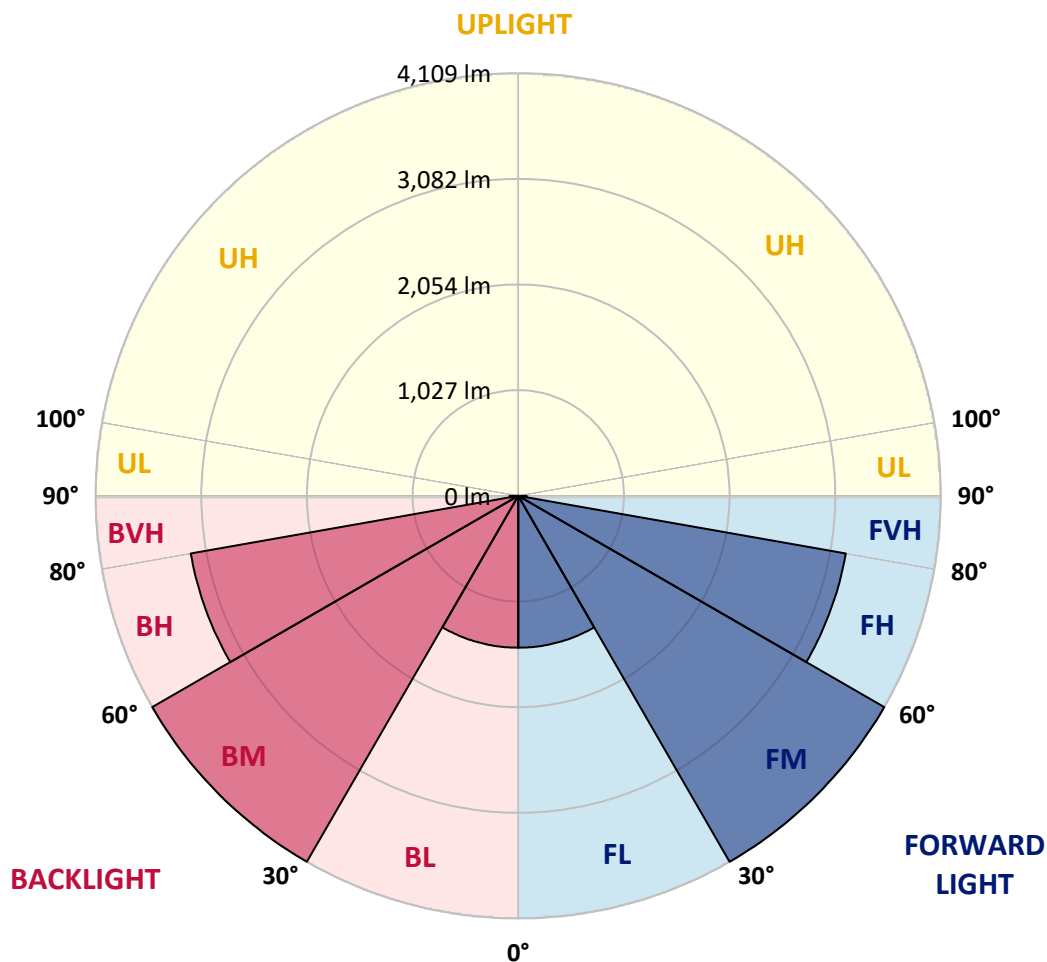


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.5	8.3			
FM (30°-60°)	4108.8	23.1			
FH (60°-80°)	3233.5	18.2			G2/5000
FVH (80°-90°)	81.6	0.5			G1/100
BL (0°-30°)	1476.5	8.3	B3/2500		
BM (30°-60°)	4108.8	23.1	B3/5000		
BH (60°-80°)	3233.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	81.6	0.5			G1/100
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°	3326.3	3326.3	3326.3	3326.3	3326.3	3326.3	3326.3	3326.3	3326.3	3326.3
2.5°	3329.1	3332.9	3332.9	3330.1	3336.7	3331.0	3331.0	3328.2	3331.0	3328.2
5°	3346.2	3350.9	3352.8	3351.8	3360.4	3355.6	3355.6	3351.8	3352.8	3350.0
7.5°	3378.3	3385.0	3388.7	3393.5	3405.8	3400.1	3396.3	3385.0	3380.2	3372.7
10°	3388.7	3396.3	3408.6	3433.2	3461.6	3462.5	3451.2	3422.8	3401.0	3384.0
12.5°	3356.6	3367.0	3392.5	3442.7	3506.1	3531.6	3513.6	3466.3	3423.7	3393.5
15°	3315.9	3327.3	3366.0	3441.7	3535.4	3595.0	3593.1	3530.7	3462.5	3415.2
17.5°	3252.5	3263.9	3319.7	3425.6	3558.1	3656.5	3683.0	3618.6	3523.1	3459.7
20°	3138.0	3148.4	3226.0	3374.6	3565.7	3721.8	3790.8	3734.1	3614.8	3528.8
22.5°	2989.5	3005.6	3096.4	3286.6	3547.7	3789.9	3913.8	3875.0	3721.8	3602.6
25°	2830.6	2847.6	2953.6	3178.7	3501.3	3839.1	4059.5	4034.9	3842.8	3694.3
27.5°	2693.4	2711.4	2826.8	3071.8	3429.4	3858.0	4203.3	4215.6	3989.5	3795.5
30°	2585.5	2602.6	2725.6	2985.7	3336.7	3839.1	4329.1	4414.3	4139.0	3883.5
32.5°	2467.3	2489.1	2618.7	2880.7	3227.0	3793.7	4438.9	4629.0	4312.1	3978.1
35°	2317.8	2337.7	2473.9	2736.9	3083.2	3720.8	4530.6	4867.4	4560.0	4121.9
37.5°	2136.2	2155.1	2290.4	2557.2	2940.3	3618.6	4600.6	5136.1	4855.1	4329.1
40°	1953.6	1971.6	2098.3	2356.6	2769.1	3488.1	4625.2	5399.1	5193.8	4613.9
42.5°	1786.1	1802.2	1918.6	2158.9	2577.0	3321.6	4593.1	5628.0	5497.5	4812.5
45°	1631.9	1646.1	1749.2	1973.5	2377.4	3119.1	4496.6	5874.0	5858.9	4954.5
47.5°	1456.0	1470.2	1577.1	1793.7	2177.8	2881.7	4332.9	6116.2	6361.2	5276.1
50°	1241.2	1253.5	1363.3	1586.5	1970.6	2629.1	4105.8	6306.4	6995.1	5763.3
52.5°	986.7	1000.0	1106.9	1330.1	1724.6	2357.6	3806.9	6430.3	7727.3	6474.8
55°	734.1	743.6	836.3	1036.9	1420.0	2048.2	3432.3	6465.3	8558.0	7447.3
57.5°	532.6	538.3	597.9	747.4	1076.6	1661.3	2977.2	6374.5	9546.6	8694.2
60°	431.4	433.3	451.3	517.5	748.3	1224.2	2427.6	6062.3	10619.4	10301.5
62.5°	391.7	391.7	396.4	414.4	506.1	807.9	1762.5	5415.2	11769.8	12332.7
65°	364.2	364.2	366.1	374.6	399.2	514.7	1112.6	4361.3	12739.5	14712.0
67.5°	339.6	340.6	339.6	342.5	356.7	380.3	645.2	3012.2	13261.7	17177.4
70°	314.1	316.0	311.2	311.2	322.6	323.5	404.0	1651.8	12828.4	19243.6
72.5°	283.8	286.7	279.1	277.2	285.7	281.9	303.7	792.8	11013.9	19860.4
75°	257.3	261.1	244.1	239.4	239.4	236.5	246.9	406.8	7148.3	16201.1
77.5°	233.7	241.2	213.8	198.7	194.9	186.4	201.5	248.8	3126.7	7606.2
80°	193.0	203.4	176.0	158.0	151.4	141.9	158.9	174.1	930.0	1766.3
82.5°	143.8	148.5	124.9	112.6	106.9	100.3	119.2	121.1	302.7	625.3
85°	91.8	93.7	76.6	66.2	63.4	60.5	75.7	66.2	115.4	459.8
87.5°	32.2	36.9	29.3	26.5	28.4	23.7	35.0	19.9	32.2	324.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3326.3
3328.2
3350.0
3372.7
3381.2
3388.7
3407.7
3449.3
3512.7
3580.8
3664.0
3763.4
3837.2
3919.5
4056.7
4242.1
4521.2
4693.3
4793.6
5090.7
5530.6
6188.1
7088.7
8242.9
9732.9
11571.1
13748.9
16137.7
18970.2
20579.4
17328.8
7448.2
1691.5
706.7
667.9
402.1
0.0

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