

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: P847464

Luminaire Tested: **GLAN-SB3C-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847464
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-SB3C-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 17723 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

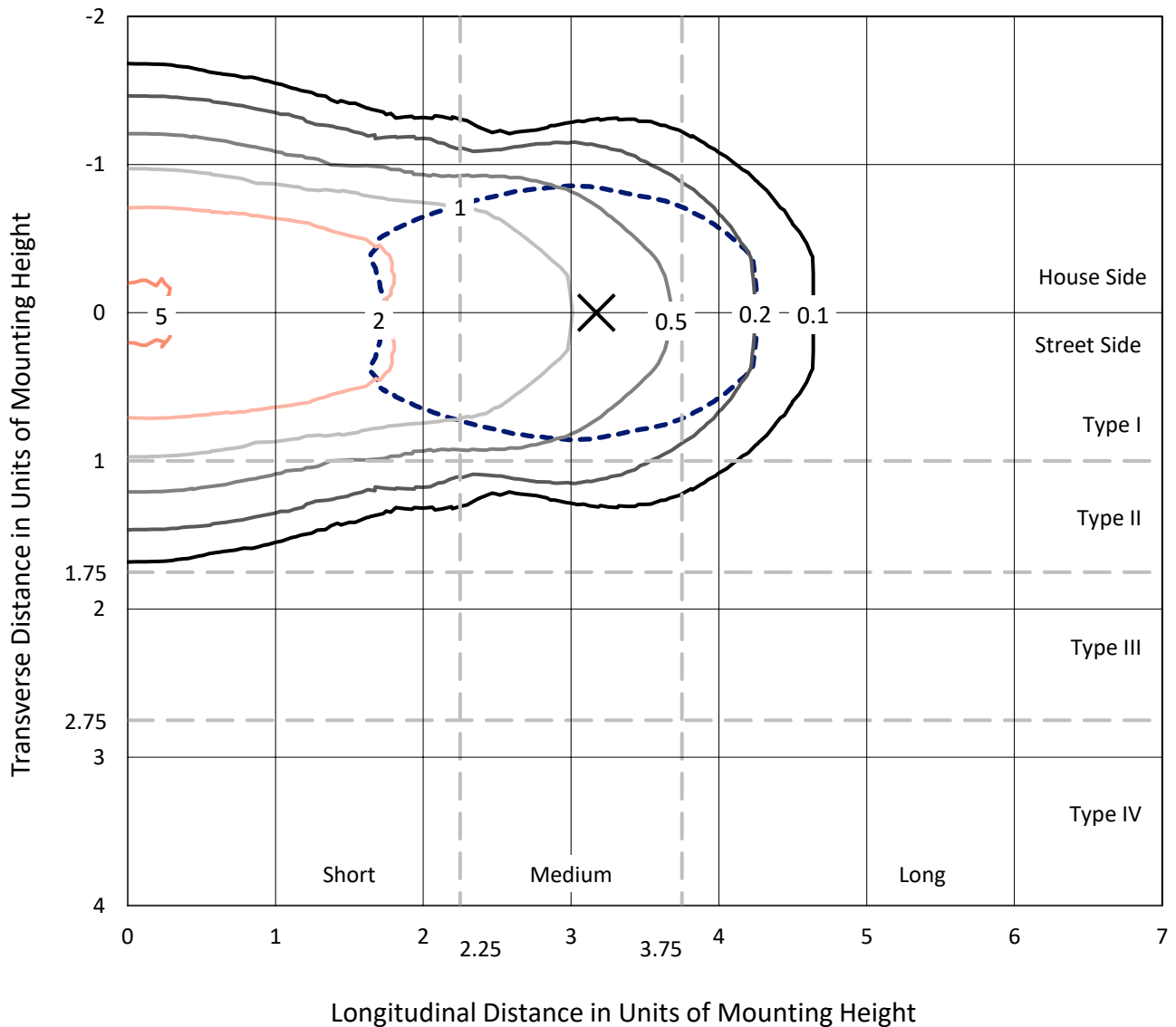
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

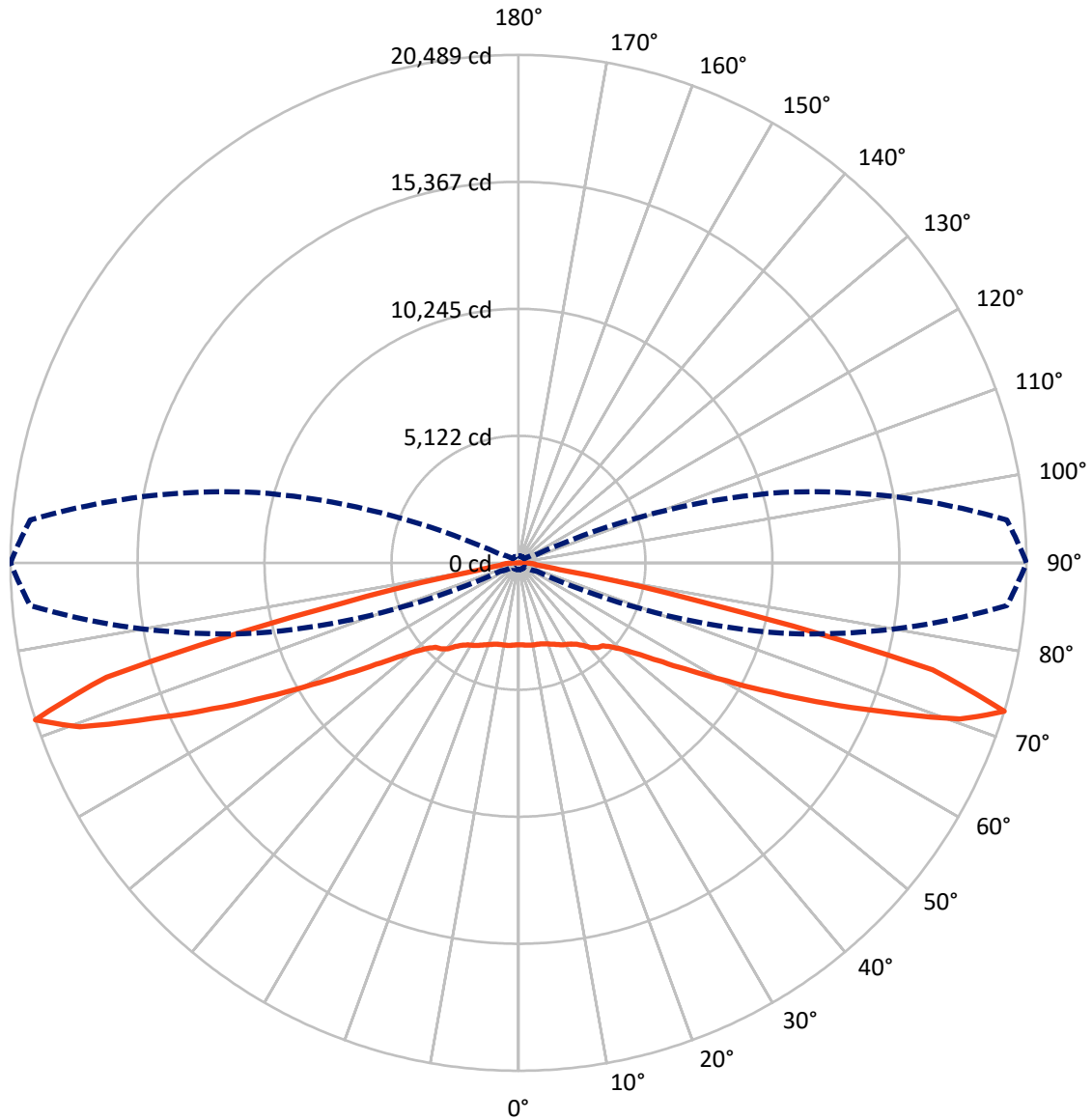
× Max cd
 - - - 1/2 Max cd



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	8861.5	0.0	8861.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8861.5	0.0	8861.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17723.0	0.0	17723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.1	1.8
10°-20°	981.8	5.5
20°-30°	1637.1	9.2
30°-40°	2251.5	12.7
40°-50°	2749.8	15.5
50°-60°	3180.4	17.9
60°-70°	3792.1	21.4
70°-80°	2646.6	14.9
80°-90°	162.6	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°	17723.0	100.0
0°-180°	17723.0	100.0

Coefficient of Utilization

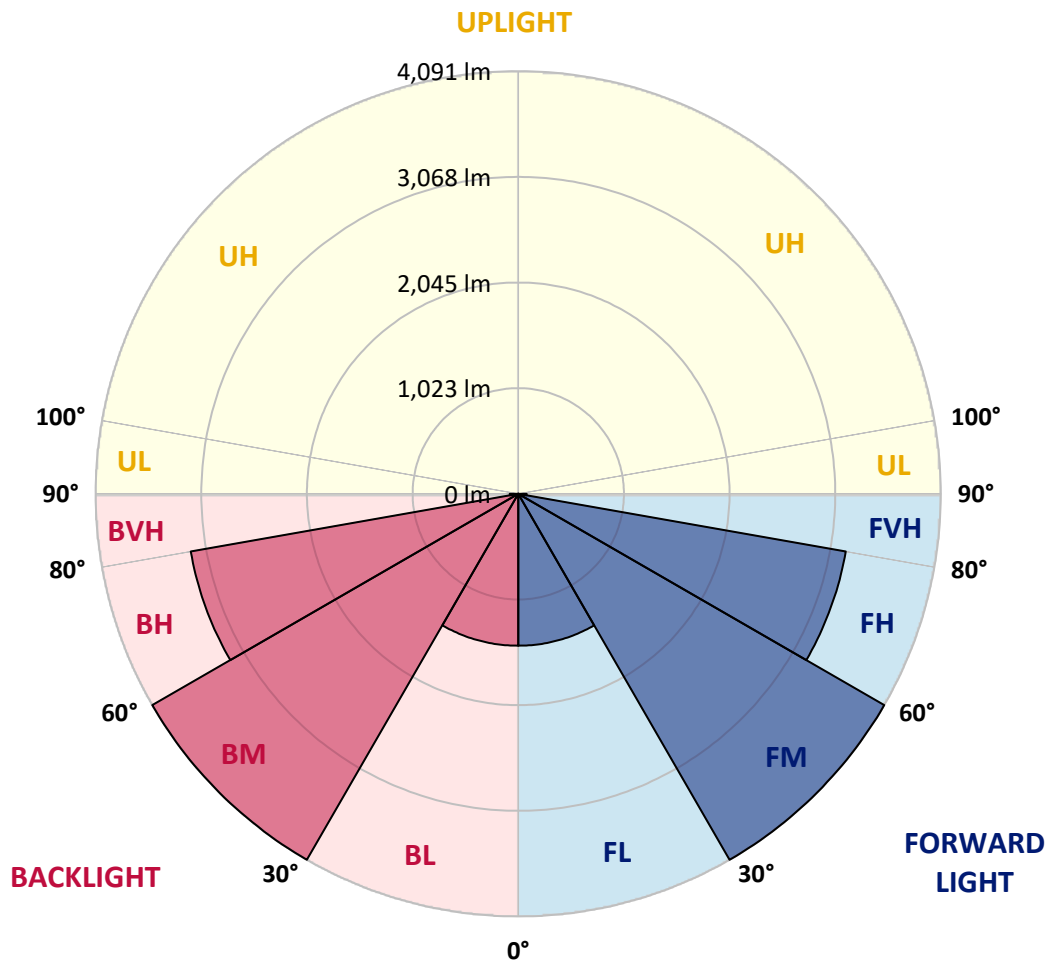


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1470.0	8.3			
FM (30°-60°)	4090.8	23.1			
FH (60°-80°)	3219.4	18.2			G2/5000
FVH (80°-90°)	81.3	0.5			G1/100
BL (0°-30°)	1470.0	8.3	B3/2500		
BM (30°-60°)	4090.8	23.1	B3/5000		
BH (60°-80°)	3219.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	81.3	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°	3311.7	3311.7	3311.7	3311.7	3311.7	3311.7	3311.7	3311.7	3311.7	3311.7
2.5°	3314.6	3318.3	3318.3	3315.5	3322.1	3316.4	3316.4	3313.6	3316.4	3313.6
5°	3331.5	3336.2	3338.1	3337.2	3345.6	3340.9	3340.9	3337.2	3338.1	3335.3
7.5°	3363.5	3370.1	3373.9	3378.6	3390.8	3385.2	3381.4	3370.1	3365.4	3357.9
10°	3373.9	3381.4	3393.7	3418.2	3446.4	3447.4	3436.1	3407.8	3386.1	3369.2
12.5°	3341.9	3352.2	3377.7	3427.6	3490.7	3516.1	3498.2	3451.1	3408.7	3378.6
15°	3301.4	3312.7	3351.3	3426.6	3519.9	3579.2	3577.3	3515.2	3447.4	3400.3
17.5°	3238.3	3249.6	3305.1	3410.6	3542.5	3640.5	3666.8	3602.8	3507.6	3444.5
20°	3124.3	3134.7	3211.9	3359.8	3550.0	3705.4	3774.2	3717.7	3599.0	3513.3
22.5°	2976.4	2992.4	3082.8	3272.2	3532.1	3773.3	3896.7	3858.0	3705.4	3586.8
25°	2818.2	2835.1	2940.6	3164.8	3486.0	3822.2	4041.7	4017.2	3826.0	3678.1
27.5°	2681.6	2699.5	2814.4	3058.4	3414.4	3841.1	4184.9	4197.1	3972.0	3778.9
30°	2574.2	2591.2	2713.6	2972.6	3322.1	3822.2	4310.1	4394.9	4120.8	3866.5
32.5°	2456.5	2478.1	2607.2	2868.1	3212.8	3777.0	4419.4	4608.7	4293.2	3960.7
35°	2307.7	2327.4	2463.1	2724.9	3069.7	3704.5	4510.8	4846.1	4540.0	4103.9
37.5°	2126.8	2145.7	2280.3	2546.0	2927.4	3602.8	4580.5	5113.6	4833.8	4310.1
40°	1945.0	1962.9	2089.1	2346.3	2756.9	3472.8	4605.0	5375.4	5171.0	4593.7
42.5°	1778.3	1794.3	1910.2	2149.4	2565.7	3307.0	4572.9	5603.4	5473.4	4791.5
45°	1624.8	1638.9	1741.6	1964.8	2367.0	3105.5	4476.9	5848.3	5833.2	4932.7
47.5°	1449.6	1463.7	1570.2	1785.8	2168.3	2869.0	4313.9	6089.4	6333.4	5253.0
50°	1235.8	1248.0	1357.3	1579.6	1962.0	2617.5	4087.9	6278.7	6964.4	5738.1
52.5°	982.4	995.6	1102.0	1324.3	1717.1	2347.2	3790.2	6402.1	7693.5	6446.4
55°	730.9	740.3	832.6	1032.3	1413.8	2039.2	3417.2	6437.0	8520.5	7414.7
57.5°	530.3	535.9	595.3	744.1	1071.9	1654.0	2964.2	6346.5	9504.7	8656.1
60°	429.5	431.4	449.3	515.2	745.0	1218.8	2416.9	6035.7	10572.9	10256.4
62.5°	389.9	389.9	394.7	412.6	503.9	804.4	1754.8	5391.5	11718.2	12278.6
65°	362.6	362.6	364.5	373.0	397.5	512.4	1107.7	4342.2	12683.7	14647.5
67.5°	338.1	339.1	338.1	341.0	355.1	378.6	642.4	2999.0	13203.6	17102.1
70°	312.7	314.6	309.9	309.9	321.2	322.1	402.2	1644.6	12772.2	19159.2
72.5°	282.6	285.4	277.9	276.0	284.5	280.7	302.4	789.3	10965.6	19773.4
75°	256.2	260.0	243.0	238.3	238.3	235.5	245.8	405.0	7117.0	16130.1
77.5°	232.6	240.2	212.9	197.8	194.0	185.6	200.6	247.7	3113.0	7572.9
80°	192.1	202.5	175.2	157.3	150.7	141.3	158.2	173.3	925.9	1758.5
82.5°	143.2	147.9	124.3	112.1	106.4	99.8	118.7	120.6	301.4	622.6
85°	91.4	93.2	76.3	65.9	63.1	60.3	75.4	65.9	114.9	457.8
87.5°	32.0	36.7	29.2	26.4	28.3	23.5	34.9	19.8	32.0	323.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3311.7
3313.6
3335.3
3357.9
3366.4
3373.9
3392.7
3434.2
3497.3
3565.1
3648.0
3746.9
3820.4
3902.3
4038.9
4223.5
4501.4
4672.8
4772.6
5068.4
5506.4
6161.0
7057.7
8206.8
9690.3
11520.4
13688.7
16067.0
18887.0
20489.2
17252.8
7415.6
1684.1
703.6
665.0
400.3
0.0

OF REPORT)