

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: P847504

Luminaire Tested: **GLAN-SB3C-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847504
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-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19087 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

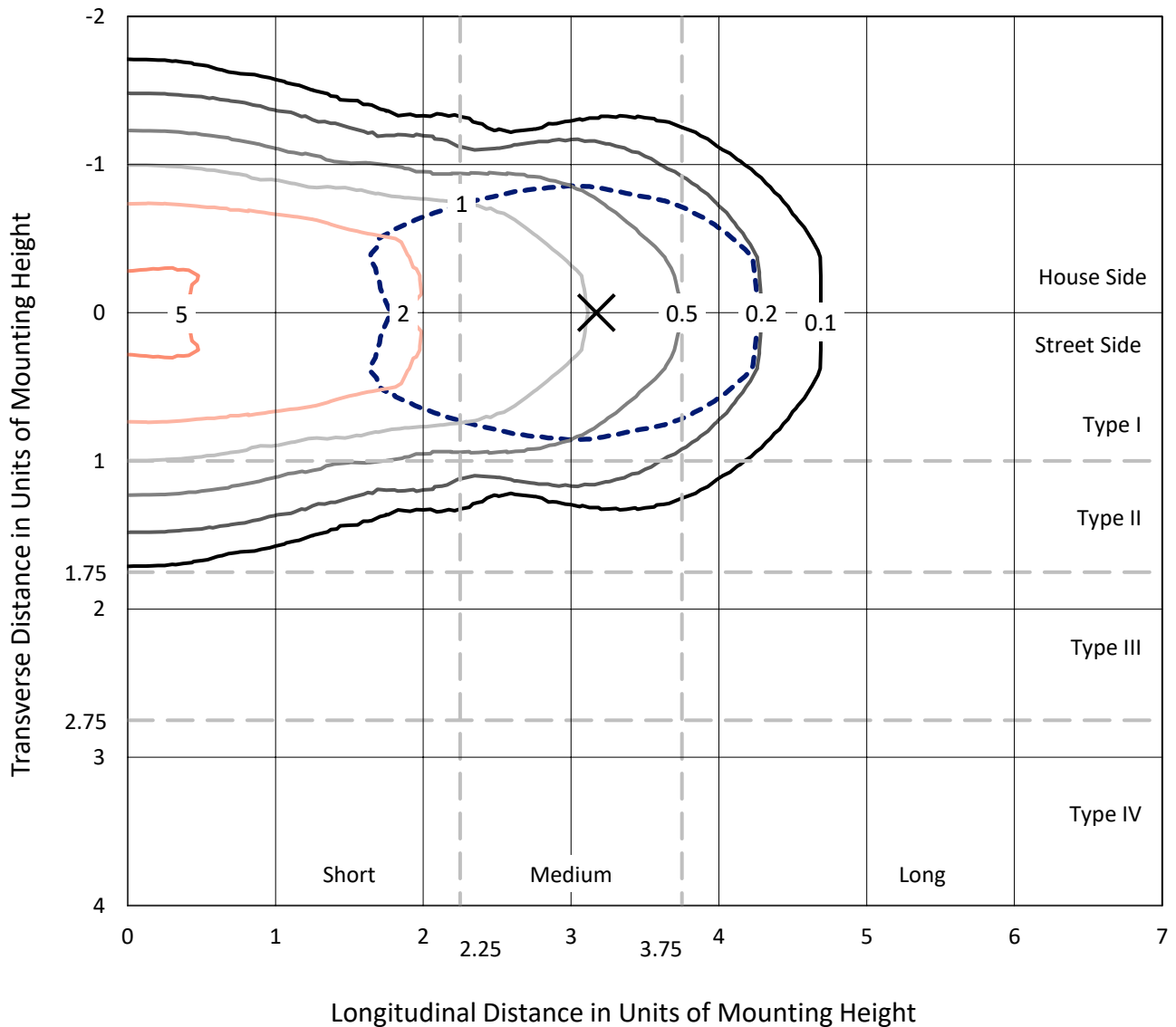
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

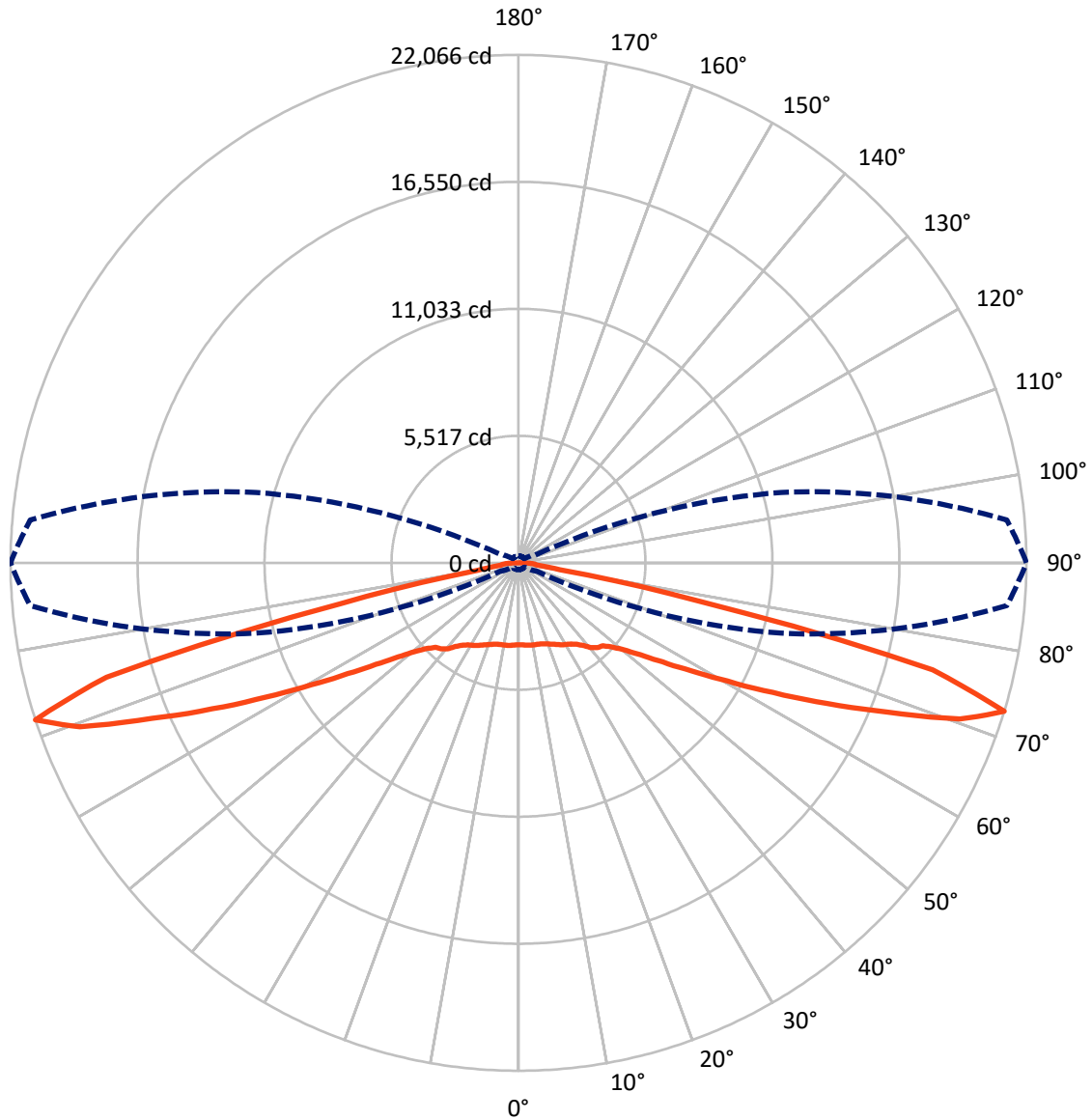
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	9543.5	0.0	9543.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9543.5	0.0	9543.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	19087.0	0.0	19087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.8	1.8
10°-20°	1057.4	5.5
20°-30°	1763.1	9.2
30°-40°	2424.8	12.7
40°-50°	2961.4	15.5
50°-60°	3425.1	17.9
60°-70°	4083.9	21.4
70°-80°	2850.3	14.9
80°-90°	175.1	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°	19087.0	100.0
0°-180°	19087.0	100.0

Coefficient of Utilization

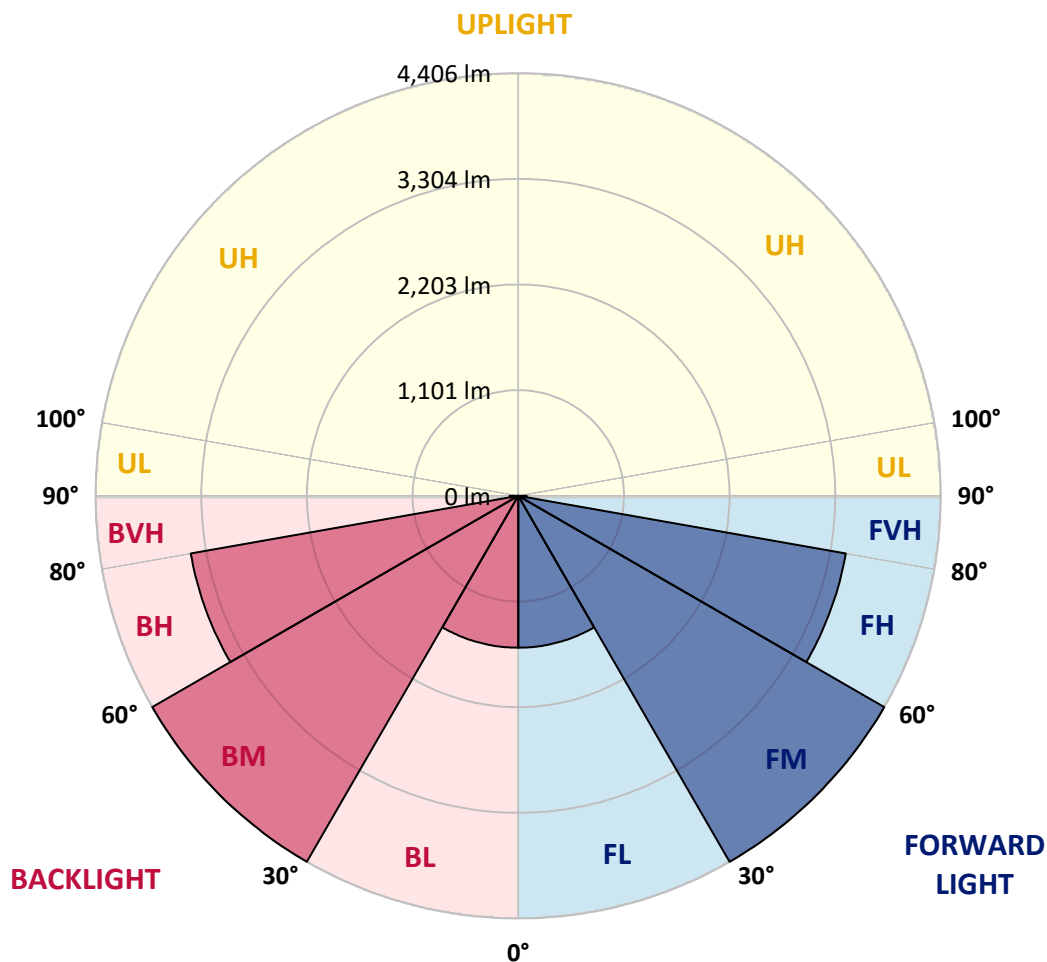


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1583.2	8.3			
FM (30°-60°)	4405.7	23.1			
FH (60°-80°)	3467.1	18.2			G2/5000
FVH (80°-90°)	87.5	0.5			G1/100
BL (0°-30°)	1583.2	8.3	B3/2500		
BM (30°-60°)	4405.7	23.1	B3/5000		
BH (60°-80°)	3467.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	87.5	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°	3566.6	3566.6	3566.6	3566.6	3566.6	3566.6	3566.6	3566.6	3566.6	3566.6
2.5°	3569.7	3573.7	3573.7	3570.7	3577.8	3571.7	3571.7	3568.6	3571.7	3568.6
5°	3587.9	3593.0	3595.0	3594.0	3603.1	3598.1	3598.1	3594.0	3595.0	3592.0
7.5°	3622.4	3629.5	3633.6	3638.6	3651.8	3645.7	3641.7	3629.5	3624.4	3616.3
10°	3633.6	3641.7	3654.9	3681.2	3711.7	3712.7	3700.5	3670.1	3646.7	3628.5
12.5°	3599.1	3610.2	3637.6	3691.4	3759.3	3786.7	3767.5	3716.7	3671.1	3638.6
15°	3555.4	3567.6	3609.2	3690.4	3790.8	3854.7	3852.7	3785.7	3712.7	3662.0
17.5°	3487.5	3499.7	3559.5	3673.1	3815.1	3920.6	3949.0	3880.1	3777.6	3709.6
20°	3364.7	3375.9	3459.1	3618.3	3823.2	3990.6	4064.7	4003.8	3876.0	3783.7
22.5°	3205.5	3222.7	3320.1	3524.0	3804.0	4063.7	4196.5	4155.0	3990.6	3862.8
25°	3035.1	3053.3	3166.9	3408.4	3754.3	4116.4	4352.8	4326.4	4120.5	3961.2
27.5°	2888.0	2907.3	3031.0	3293.7	3677.2	4136.7	4507.0	4520.1	4277.7	4069.7
30°	2772.3	2790.6	2922.5	3201.4	3577.8	4116.4	4641.9	4733.2	4438.0	4164.1
32.5°	2645.5	2668.9	2807.8	3088.8	3460.1	4067.7	4759.5	4963.4	4623.6	4265.5
35°	2485.3	2506.6	2652.6	2934.6	3305.9	3989.6	4857.9	5219.1	4889.4	4419.7
37.5°	2290.5	2310.8	2455.8	2741.9	3152.7	3880.1	4933.0	5507.1	5205.9	4641.9
40°	2094.7	2114.0	2249.9	2526.9	2969.1	3740.1	4959.4	5789.1	5569.0	4947.2
42.5°	1915.2	1932.4	2057.2	2314.8	2763.2	3561.5	4924.9	6034.6	5894.6	5160.2
45°	1749.8	1765.0	1875.6	2116.0	2549.2	3344.5	4821.4	6298.4	6282.1	5312.4
47.5°	1561.2	1576.4	1691.0	1923.3	2335.1	3089.8	4645.9	6558.1	6820.8	5657.3
50°	1330.9	1344.1	1461.7	1701.1	2113.0	2819.0	4402.5	6761.9	7500.4	6179.7
52.5°	1058.0	1072.2	1186.8	1426.2	1849.2	2527.9	4081.9	6894.8	8285.6	6942.5
55°	787.2	797.3	896.7	1111.8	1522.6	2196.2	3680.2	6932.4	9176.2	7985.3
57.5°	571.1	577.2	641.1	801.4	1154.4	1781.3	3192.3	6835.0	10236.2	9322.3
60°	462.6	464.6	483.9	554.9	802.4	1312.6	2602.9	6500.2	11386.6	11045.7
62.5°	420.0	420.0	425.0	444.3	542.7	866.3	1889.8	5806.4	12620.1	13223.6
65°	390.5	390.5	392.6	401.7	428.1	551.8	1192.9	4676.4	13659.8	15774.8
67.5°	364.2	365.2	364.2	367.2	382.4	407.8	691.8	3229.8	14219.8	18418.3
70°	336.8	338.8	333.7	333.7	345.9	346.9	433.1	1771.1	13755.2	20633.8
72.5°	304.3	307.4	299.2	297.2	306.3	302.3	325.6	850.1	11809.6	21295.2
75°	275.9	280.0	261.7	256.6	256.6	253.6	264.8	436.2	7664.8	17371.5
77.5°	250.6	258.7	229.3	213.0	209.0	199.8	216.1	266.8	3352.6	8155.7
80°	206.9	218.1	188.7	169.4	162.3	152.2	170.4	186.6	997.1	1893.9
82.5°	154.2	159.3	133.9	120.7	114.6	107.5	127.8	129.8	324.6	670.5
85°	98.4	100.4	82.2	71.0	68.0	64.9	81.2	71.0	123.8	493.0
87.5°	34.5	39.6	31.4	28.4	30.4	25.4	37.5	21.3	34.5	347.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3566.6
3568.6
3592.0
3616.3
3625.4
3633.6
3653.8
3698.5
3766.4
3839.5
3928.7
4035.3
4114.4
4202.6
4349.7
4548.5
4847.8
5032.4
5139.9
5458.5
5930.1
6635.1
7600.9
8838.4
10436.1
12407.0
14742.2
17303.5
20340.6
22066.1
18580.6
7986.3
1813.7
757.8
716.2
431.1
0.0

OF REPORT)