

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: P850524

Luminaire Tested: **GLAN-SB8A-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850524
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-SB8A-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28610 lumens
Efficiency: N/A
Efficacy: 126.0 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

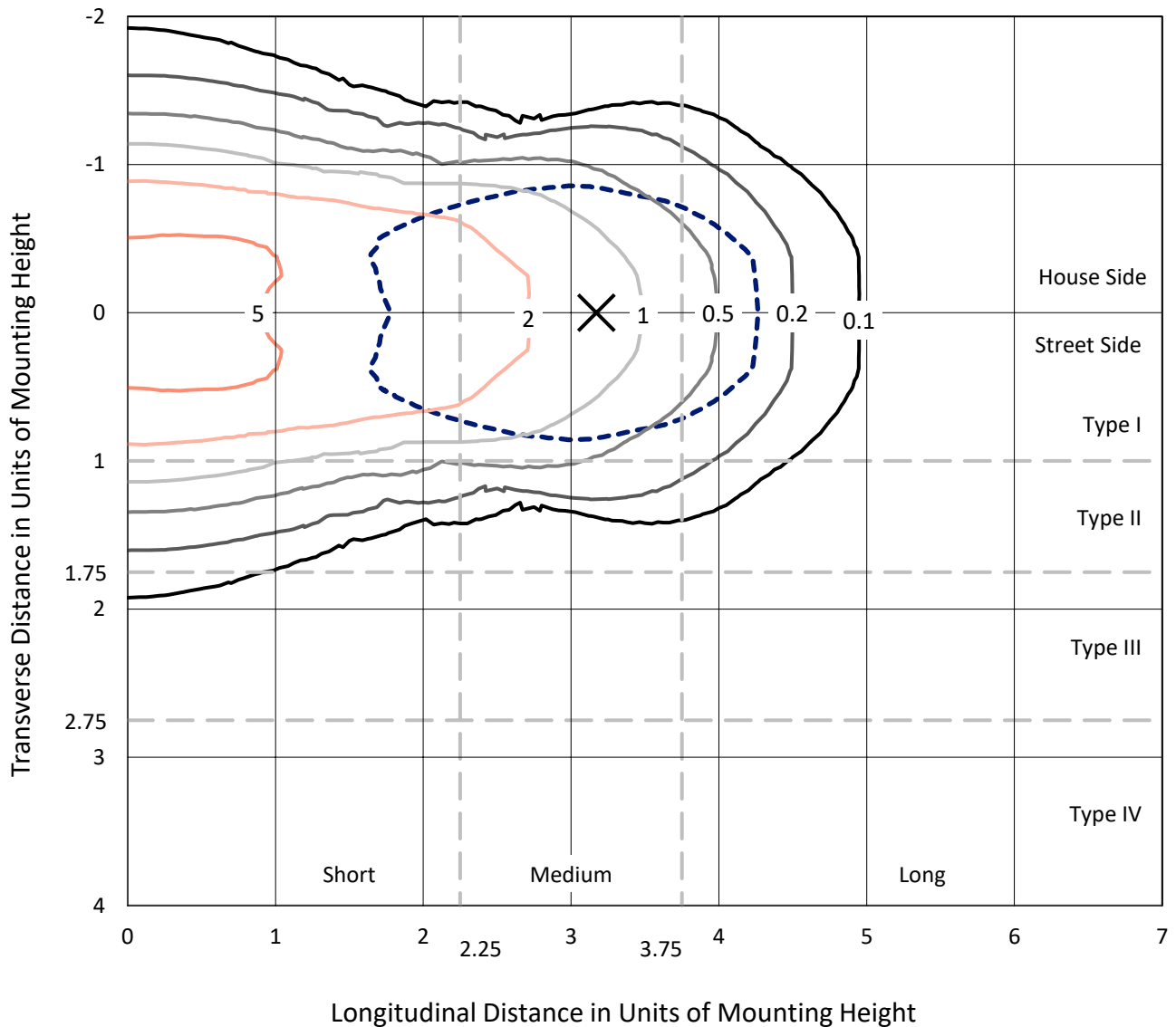
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

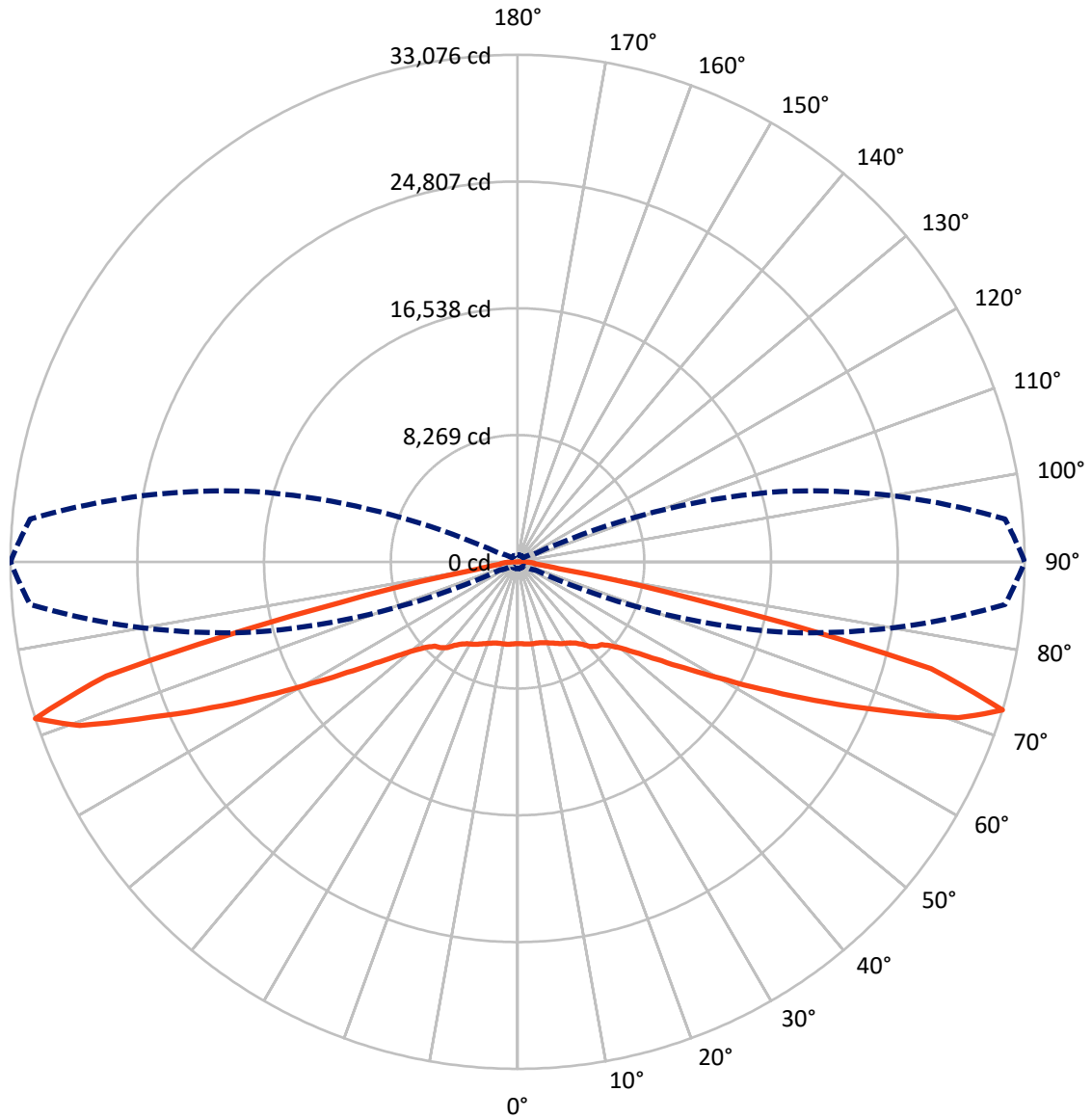
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	14305.0	0.0	14305.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14305.0	0.0	14305.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28610.0	0.0	28610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.4	1.8
10°-20°	1585.0	5.5
20°-30°	2642.8	9.2
30°-40°	3634.6	12.7
40°-50°	4438.9	15.5
50°-60°	5134.0	17.9
60°-70°	6121.5	21.4
70°-80°	4272.4	14.9
80°-90°	262.4	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°	28610.0	100.0
0°-180°	28610.0	100.0

Coefficient of Utilization

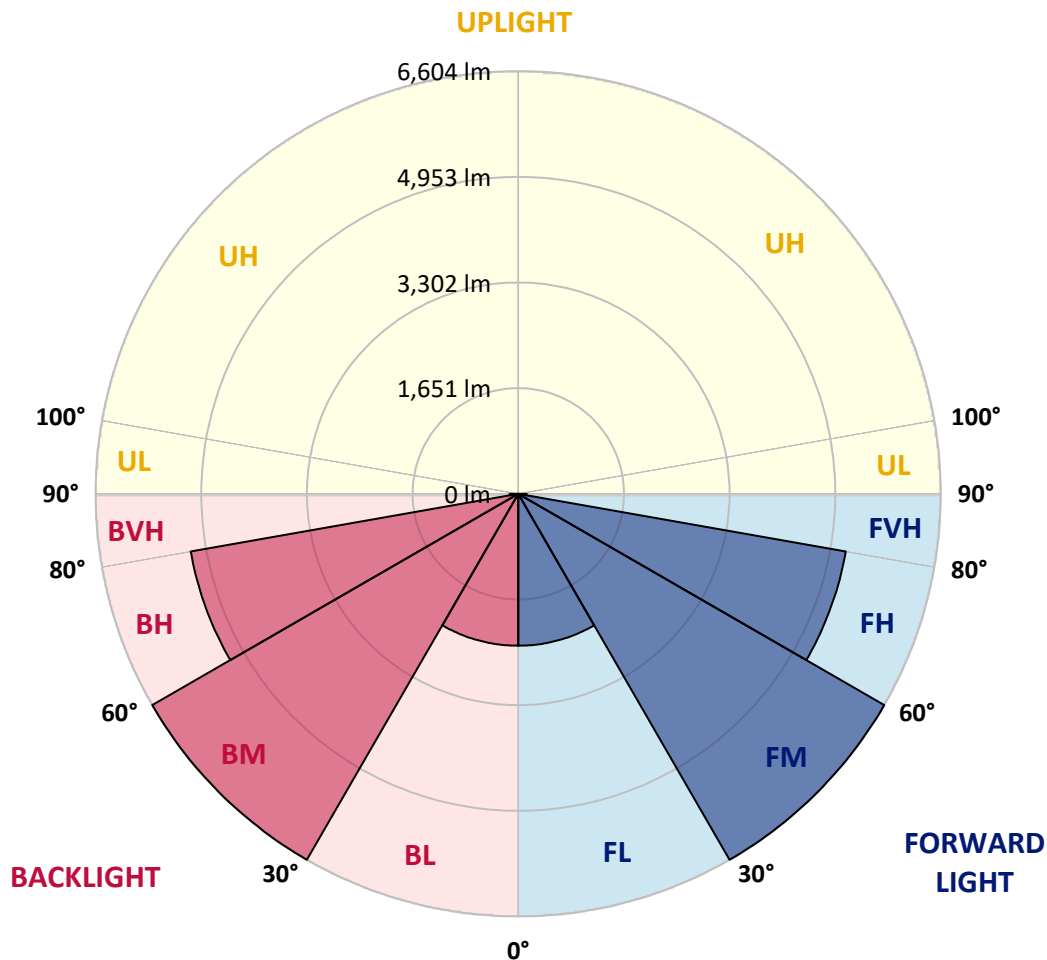


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2373.1	8.3			
FM (30°-60°)	6603.8	23.1			
FH (60°-80°)	5197.0	18.2			G3/7500
FVH (80°-90°)	131.2	0.5			G2/225
BL (0°-30°)	2373.1	8.3	B3/2500		
BM (30°-60°)	6603.8	23.1	B4/8500		
BH (60°-80°)	5197.0	18.2	B5		G5
BVH (80°-90°)	131.2	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°	5346.1	5346.1	5346.1	5346.1	5346.1	5346.1	5346.1	5346.1	5346.1	5346.1
2.5°	5350.6	5356.7	5356.7	5352.2	5362.8	5353.7	5353.7	5349.1	5353.7	5349.1
5°	5378.0	5385.6	5388.7	5387.1	5400.8	5393.2	5393.2	5387.1	5388.7	5384.1
7.5°	5429.7	5440.4	5446.4	5454.0	5473.8	5464.7	5458.6	5440.4	5432.7	5420.6
10°	5446.4	5458.6	5478.4	5517.9	5563.5	5565.0	5546.8	5501.2	5466.2	5438.8
12.5°	5394.7	5411.5	5452.5	5533.1	5635.0	5676.0	5647.1	5571.1	5502.7	5454.0
15°	5329.4	5347.6	5409.9	5531.6	5682.1	5777.9	5774.9	5674.5	5565.0	5489.0
17.5°	5227.5	5245.7	5335.4	5505.7	5718.6	5876.7	5919.3	5815.9	5662.3	5560.5
20°	5043.5	5060.2	5184.9	5423.6	5730.8	5981.6	6092.6	6001.4	5809.8	5671.5
22.5°	4804.8	4830.6	4976.6	5282.2	5701.9	6091.1	6290.3	6228.0	5981.6	5790.1
25°	4549.3	4576.7	4747.0	5108.9	5627.4	6170.2	6524.5	6484.9	6176.3	5937.6
27.5°	4328.9	4357.8	4543.3	4937.1	5511.8	6200.6	6755.6	6775.4	6412.0	6100.2
30°	4155.5	4182.9	4380.6	4798.7	5362.8	6170.2	6957.8	7094.7	6652.2	6241.7
32.5°	3965.5	4000.4	4208.7	4629.9	5186.4	6097.2	7134.2	7439.8	6930.4	6393.7
35°	3725.2	3757.2	3976.1	4398.8	4955.3	5980.1	7281.7	7823.0	7328.8	6624.8
37.5°	3433.3	3463.7	3681.1	4109.9	4725.7	5815.9	7394.2	8254.8	7803.2	6957.8
40°	3139.8	3168.7	3372.5	3787.6	4450.5	5606.1	7433.7	8677.5	8347.5	7415.5
42.5°	2870.7	2896.6	3083.6	3469.8	4141.8	5338.5	7382.0	9045.5	8835.6	7734.8
45°	2622.9	2645.7	2811.4	3171.8	3821.0	5013.1	7226.9	9440.8	9416.5	7962.9
47.5°	2340.1	2362.9	2534.7	2882.9	3500.2	4631.4	6963.9	9830.0	10223.8	8479.8
50°	1994.9	2014.7	2191.0	2549.9	3167.2	4225.5	6599.0	10135.7	11242.6	9262.9
52.5°	1585.9	1607.2	1779.0	2137.8	2771.9	3789.1	6118.5	10334.8	12419.4	10406.3
55°	1179.9	1195.1	1344.1	1666.5	2282.3	3291.9	5516.4	10391.1	13754.4	11969.4
57.5°	856.0	865.2	961.0	1201.2	1730.3	2670.0	4785.0	10245.1	15343.4	13973.4
60°	693.3	696.4	725.3	831.7	1202.7	1967.5	3901.6	9743.4	17067.6	16556.7
62.5°	629.5	629.5	637.1	666.0	813.5	1298.5	2832.7	8703.3	18916.5	19821.2
65°	585.4	585.4	588.4	602.1	641.7	827.2	1788.1	7009.5	20475.1	23645.3
67.5°	545.9	547.4	545.9	550.4	573.2	611.2	1037.0	4841.3	21314.4	27607.7
70°	504.8	507.8	500.2	500.2	518.5	520.0	649.3	2654.8	20618.0	30928.5
72.5°	456.2	460.7	448.5	445.5	459.2	453.1	488.1	1274.2	17701.7	31919.9
75°	413.6	419.7	392.3	384.7	384.7	380.1	396.9	653.8	11488.9	26038.6
77.5°	375.6	387.7	343.6	319.3	313.2	299.5	323.9	399.9	5025.3	12224.8
80°	310.2	326.9	282.8	253.9	243.3	228.1	255.4	279.8	1494.7	2838.8
82.5°	231.1	238.7	200.7	180.9	171.8	161.2	191.6	194.6	486.6	1005.1
85°	147.5	150.5	123.2	106.4	101.9	97.3	121.6	106.4	185.5	739.0
87.5°	51.7	59.3	47.1	42.6	45.6	38.0	56.3	31.9	51.7	521.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5346.1
5349.1
5384.1
5420.6
5434.3
5446.4
5476.8
5543.7
5645.6
5755.1
5888.9
6048.6
6167.2
6299.4
6519.9
6817.9
7266.5
7543.2
7704.4
8181.8
8888.8
9945.6
11393.1
13248.1
15642.9
18597.2
22097.4
25936.7
30489.1
33075.5
27851.0
11970.9
2718.7
1135.8
1073.5
646.2
0.0

OF REPORT)