

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: P849334

Luminaire Tested: **GLAN-SB6B-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849334
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-SB6B-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 26934 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

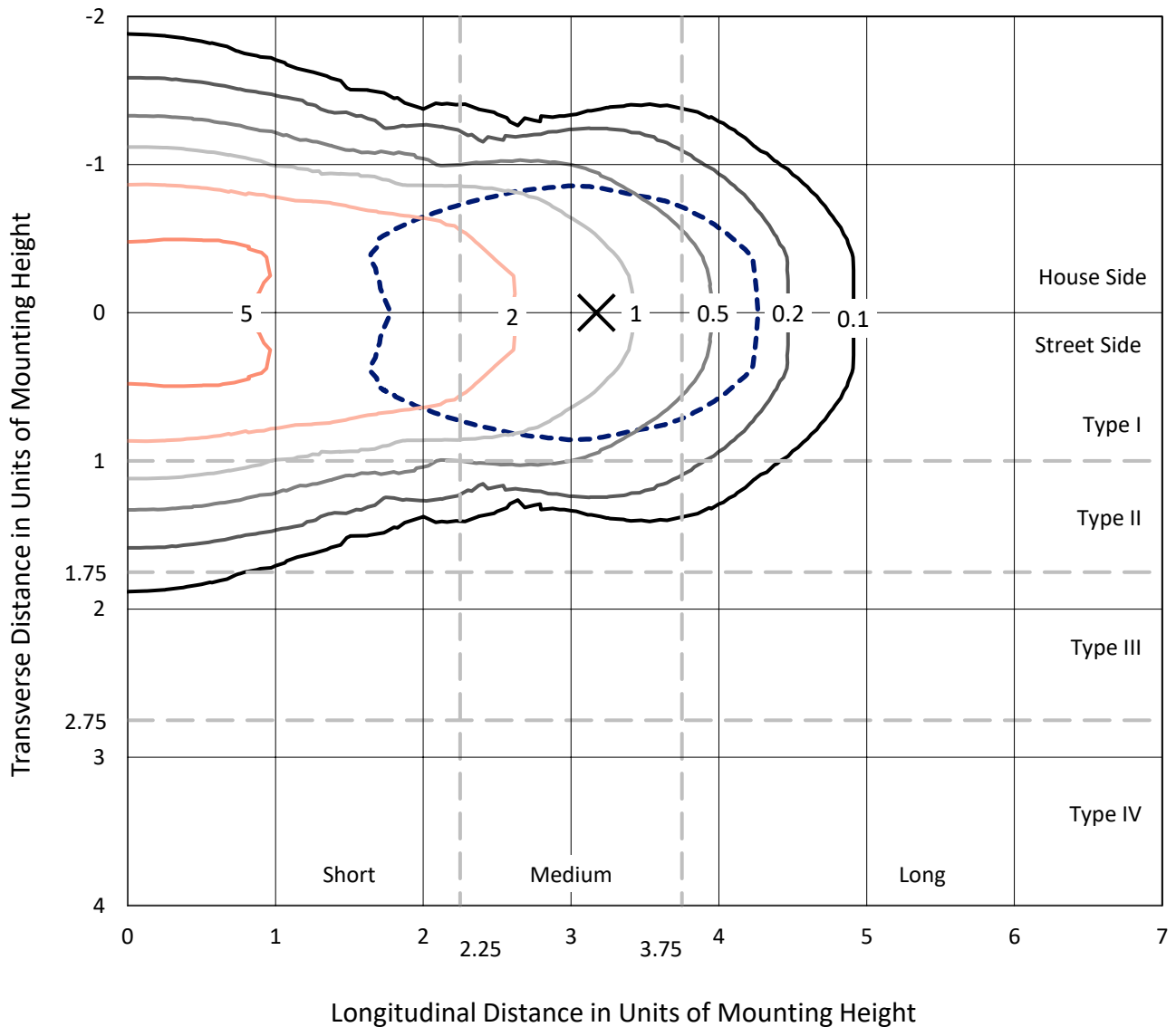
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

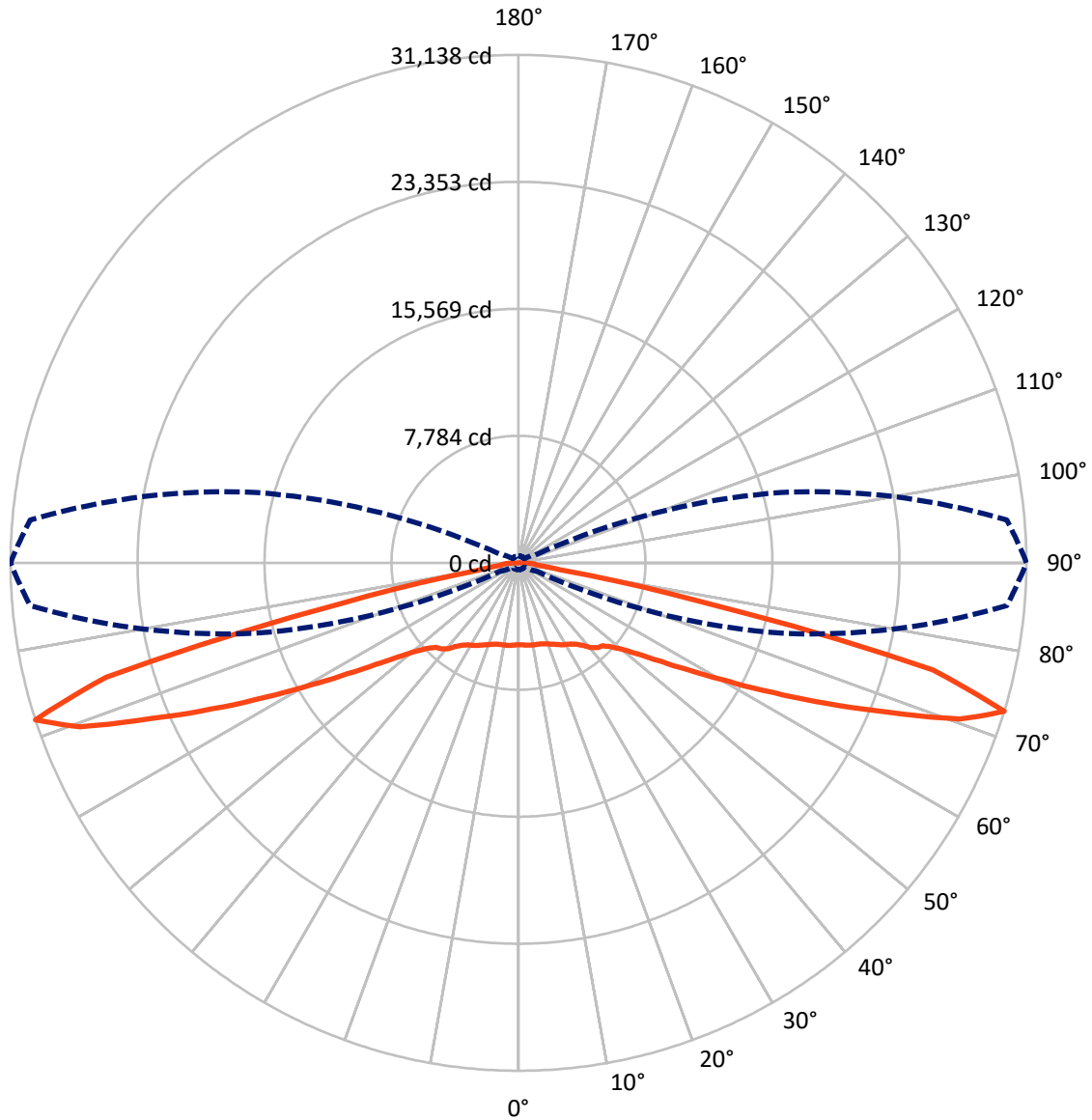
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	13467.0	0.0	13467.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13467.0	0.0	13467.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26934.0	0.0	26934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	488.0	1.8
10°-20°	1492.1	5.5
20°-30°	2488.0	9.2
30°-40°	3421.7	12.7
40°-50°	4178.8	15.5
50°-60°	4833.3	17.9
60°-70°	5762.9	21.4
70°-80°	4022.1	14.9
80°-90°	247.0	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°	26934.0	100.0
0°-180°	26934.0	100.0

Coefficient of Utilization

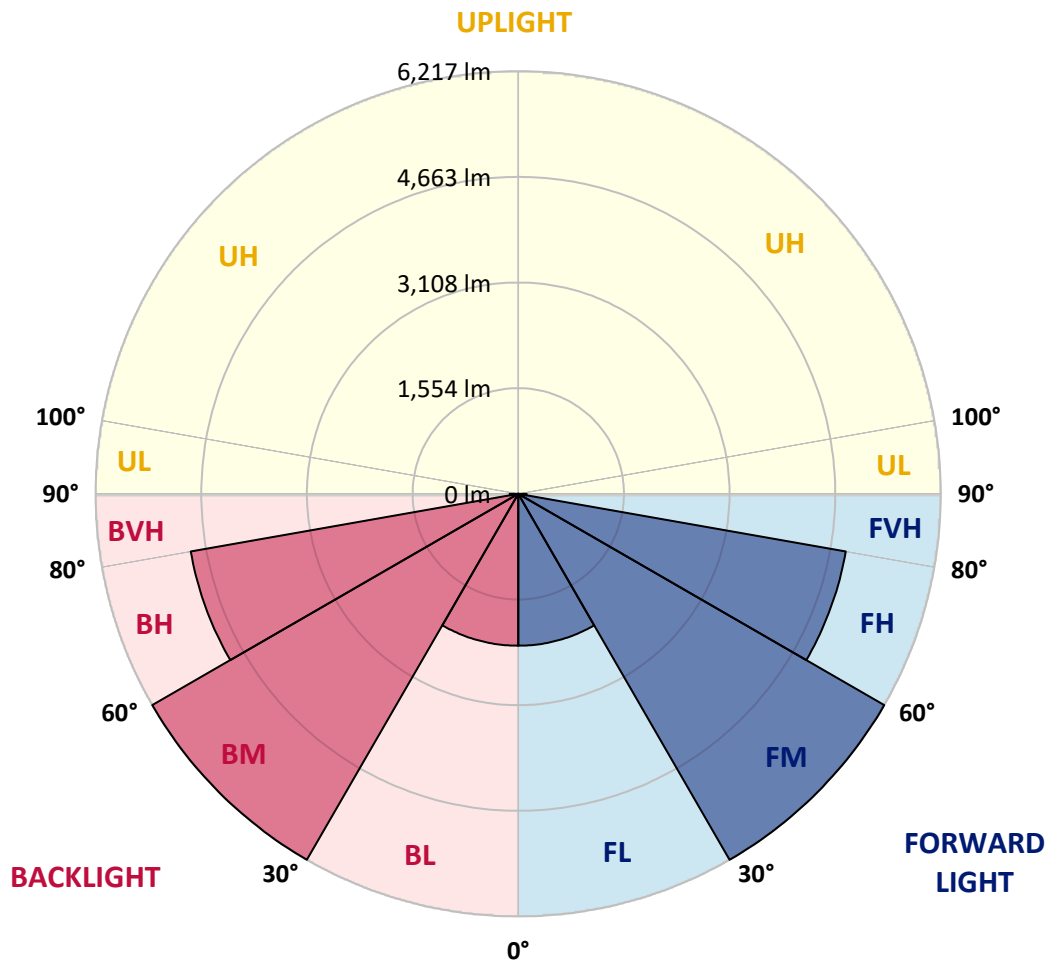


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2234.0	8.3			
FM (30°-60°)	6216.9	23.1			
FH (60°-80°)	4892.5	18.2			G2/5000
FVH (80°-90°)	123.5	0.5			G2/225
BL (0°-30°)	2234.0	8.3	B3/2500		
BM (30°-60°)	6216.9	23.1	B4/8500		
BH (60°-80°)	4892.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	123.5	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°	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9	5032.9
2.5°	5037.2	5042.9	5042.9	5038.6	5048.6	5040.1	5040.1	5035.8	5040.1	5035.8
5°	5063.0	5070.1	5073.0	5071.6	5084.4	5077.3	5077.3	5071.6	5073.0	5068.7
7.5°	5111.6	5121.7	5127.4	5134.5	5153.1	5144.6	5138.8	5121.7	5114.5	5103.0
10°	5127.4	5138.8	5157.4	5194.7	5237.6	5239.0	5221.9	5178.9	5146.0	5120.2
12.5°	5078.7	5094.5	5133.1	5209.0	5304.9	5343.5	5316.3	5244.8	5180.3	5134.5
15°	5017.2	5034.3	5093.0	5207.5	5349.2	5439.4	5436.6	5342.1	5239.0	5167.5
17.5°	4921.3	4938.4	5022.9	5183.2	5383.6	5532.5	5572.6	5475.2	5330.6	5234.7
20°	4748.0	4763.8	4881.2	5105.9	5395.1	5631.2	5735.7	5649.8	5469.5	5339.2
22.5°	4523.3	4547.6	4685.1	4972.8	5367.9	5734.3	5921.8	5863.1	5631.2	5450.9
25°	4282.8	4308.6	4468.9	4809.6	5297.7	5808.7	6142.3	6105.0	5814.5	5589.7
27.5°	4075.3	4102.5	4277.1	4647.8	5188.9	5837.4	6359.8	6378.4	6036.3	5742.9
30°	3912.1	3937.9	4123.9	4517.6	5048.6	5808.7	6550.2	6679.0	6262.5	5876.0
32.5°	3733.2	3766.1	3962.2	4358.7	4882.6	5740.0	6716.3	7004.0	6524.5	6019.2
35°	3507.0	3537.1	3743.2	4141.1	4665.0	5629.8	6855.1	7364.7	6899.5	6236.7
37.5°	3232.2	3260.8	3465.5	3869.2	4448.9	5475.2	6961.0	7771.2	7346.1	6550.2
40°	2955.9	2983.1	3174.9	3565.7	4189.8	5277.7	6998.3	8169.2	7858.5	6981.1
42.5°	2702.5	2726.9	2902.9	3266.5	3899.2	5025.7	6949.6	8515.6	8318.0	7281.7
45°	2469.2	2490.7	2646.7	2986.0	3597.2	4719.4	6803.6	8887.7	8864.8	7496.4
47.5°	2203.0	2224.4	2386.2	2714.0	3295.1	4360.1	6555.9	9254.2	9624.9	7983.1
50°	1878.0	1896.6	2062.7	2400.5	2981.7	3977.9	6212.4	9541.9	10584.0	8720.3
52.5°	1493.0	1513.0	1674.8	2012.6	2609.5	3567.1	5760.1	9729.4	11691.9	9796.7
55°	1110.8	1125.1	1265.4	1568.8	2148.6	3099.0	5193.2	9782.4	12948.7	11268.2
57.5°	805.9	814.5	904.7	1130.8	1629.0	2513.6	4504.7	9645.0	14444.5	13154.8
60°	652.7	655.6	682.8	783.0	1132.3	1852.3	3673.0	9172.6	16067.8	15586.8
62.5°	592.6	592.6	599.8	627.0	765.8	1222.4	2666.8	8193.5	17808.4	18660.1
65°	551.1	551.1	554.0	566.8	604.1	778.7	1683.4	6598.9	19275.6	22260.1
67.5°	513.9	515.3	513.9	518.2	539.6	575.4	976.2	4557.7	20065.8	25990.4
70°	475.2	478.1	470.9	470.9	488.1	489.5	611.2	2499.3	19410.2	29116.7
72.5°	429.4	433.7	422.3	419.4	432.3	426.6	459.5	1199.5	16664.7	30050.0
75°	389.3	395.1	369.3	362.2	362.2	357.9	373.6	615.5	10815.9	24513.2
77.5°	353.6	365.0	323.5	300.6	294.9	282.0	304.9	376.5	4730.9	11508.7
80°	292.0	307.8	266.2	239.0	229.0	214.7	240.5	263.4	1407.1	2672.5
82.5°	217.6	224.7	188.9	170.3	161.8	151.7	180.4	183.2	458.1	946.2
85°	138.8	141.7	115.9	100.2	95.9	91.6	114.5	100.2	174.6	695.7
87.5°	48.7	55.8	44.4	40.1	42.9	35.8	53.0	30.1	48.7	491.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5032.9
5035.8
5068.7
5103.0
5115.9
5127.4
5156.0
5219.0
5314.9
5418.0
5543.9
5694.2
5805.9
5930.4
6138.0
6418.5
6840.8
7101.3
7253.0
7702.5
8368.1
9363.0
10725.7
12472.0
14726.5
17507.8
20802.9
24417.3
28703.0
31137.9
26219.5
11269.6
2559.4
1069.3
1010.6
608.4
0.0

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