

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: P848654

Luminaire Tested: **GLAN-SB5B-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848654
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-SB5B-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 22436 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

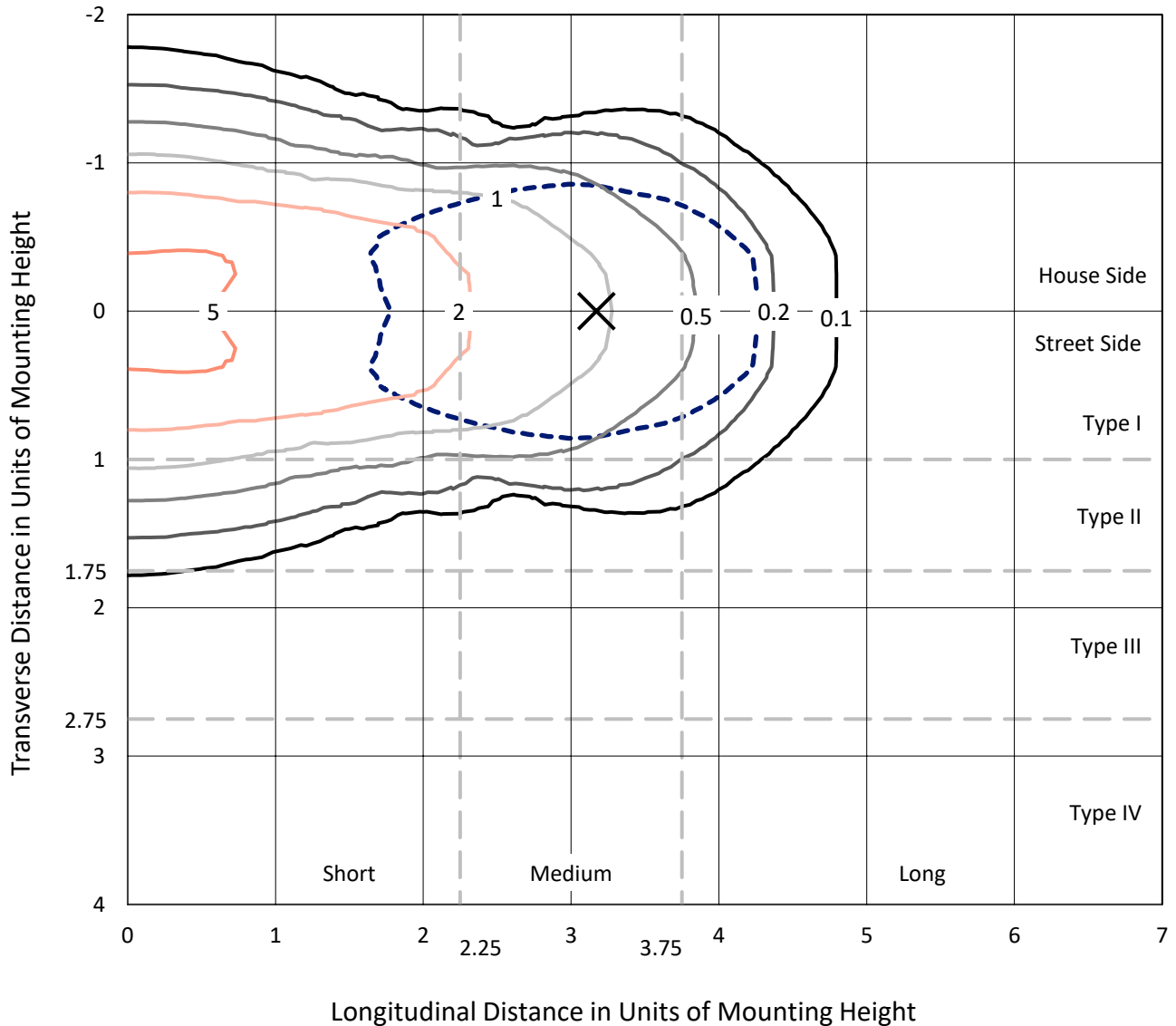
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

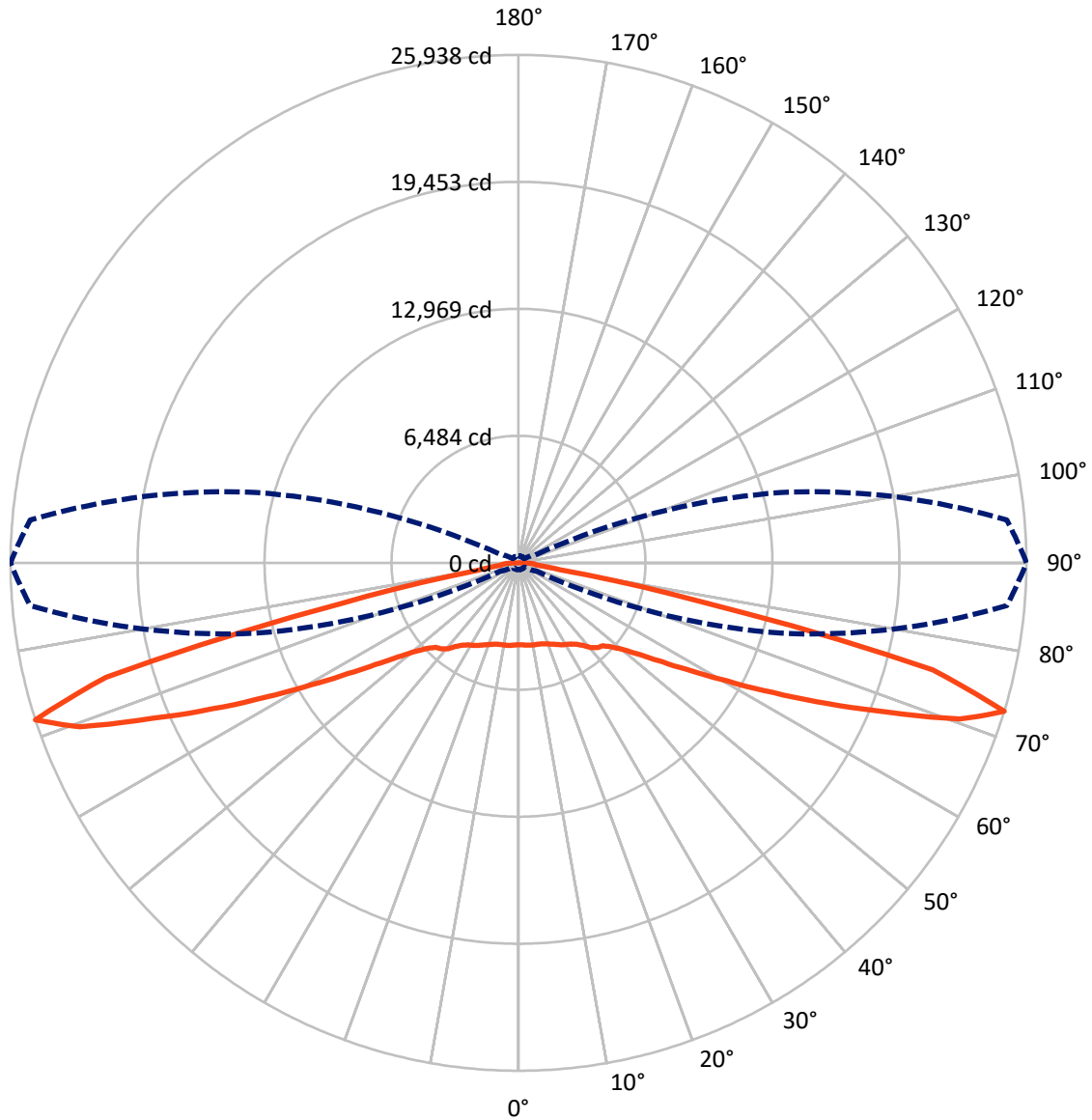
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	11218.0	0.0	11218.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11218.0	0.0	11218.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22436.0	0.0	22436.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.5	1.8
10°-20°	1242.9	5.5
20°-30°	2072.5	9.2
30°-40°	2850.3	12.7
40°-50°	3481.0	15.5
50°-60°	4026.1	17.9
60°-70°	4800.5	21.4
70°-80°	3350.4	14.9
80°-90°	205.8	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°	22436.0	100.0
0°-180°	22436.0	100.0

Coefficient of Utilization

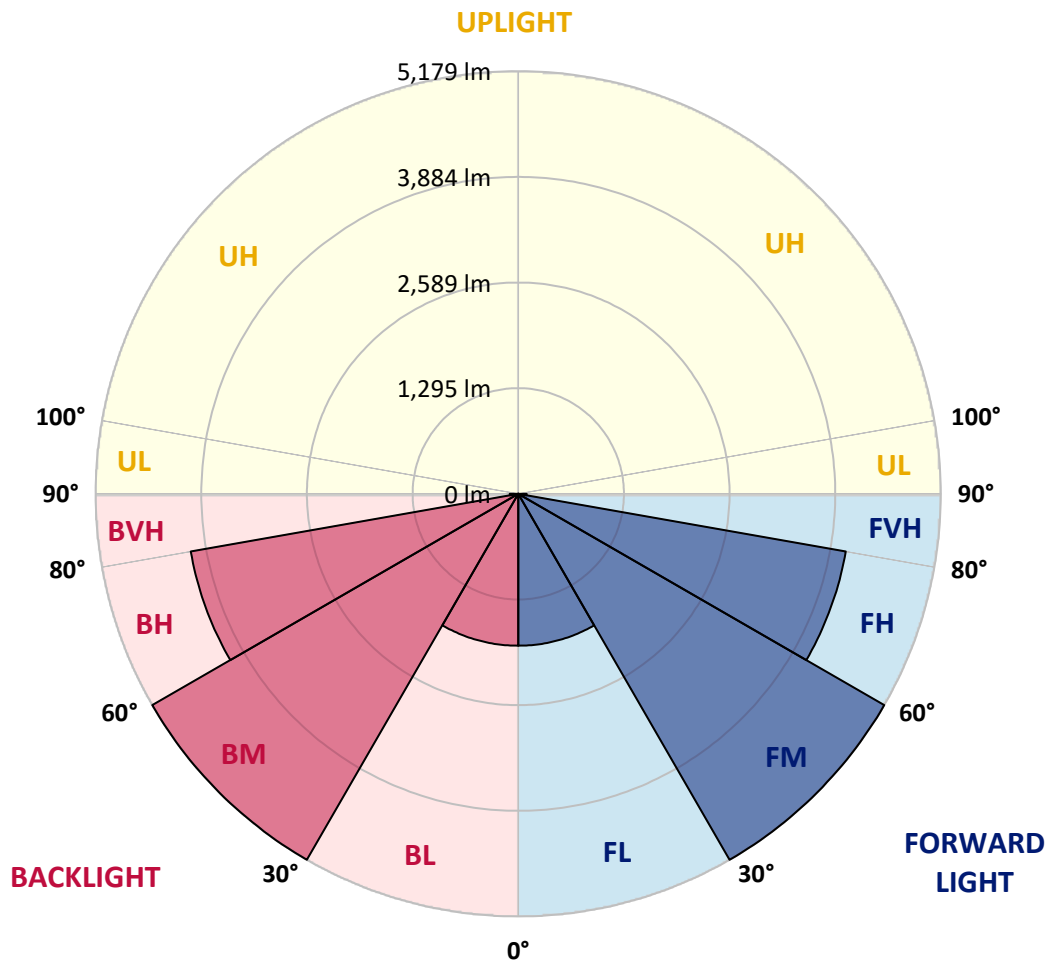


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1861.0	8.3			
FM (30°-60°)	5178.7	23.1			
FH (60°-80°)	4075.5	18.2			G2/5000
FVH (80°-90°)	102.9	0.5			G2/225
BL (0°-30°)	1861.0	8.3	B3/2500		
BM (30°-60°)	5178.7	23.1	B4/8500		
BH (60°-80°)	4075.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	102.9	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°	4192.4	4192.4	4192.4	4192.4	4192.4	4192.4	4192.4	4192.4	4192.4	4192.4
2.5°	4196.0	4200.8	4200.8	4197.2	4205.5	4198.4	4198.4	4194.8	4198.4	4194.8
5°	4217.4	4223.4	4225.8	4224.6	4235.3	4229.4	4229.4	4224.6	4225.8	4222.2
7.5°	4258.0	4266.3	4271.1	4277.1	4292.6	4285.4	4280.6	4266.3	4260.4	4250.8
10°	4271.1	4280.6	4296.1	4327.1	4362.9	4364.1	4349.8	4314.0	4286.6	4265.1
12.5°	4230.6	4243.7	4275.9	4339.1	4419.0	4451.1	4428.5	4368.9	4315.2	4277.1
15°	4179.3	4193.6	4242.5	4337.9	4455.9	4531.0	4528.7	4450.0	4364.1	4304.5
17.5°	4099.4	4113.7	4184.1	4317.6	4484.5	4608.5	4641.9	4560.8	4440.4	4360.5
20°	3955.1	3968.2	4066.0	4253.2	4494.1	4690.8	4777.9	4706.3	4556.1	4447.6
22.5°	3767.9	3788.2	3902.7	4142.3	4471.4	4776.7	4932.9	4884.0	4690.8	4540.6
25°	3567.6	3589.1	3722.6	4006.4	4413.0	4838.7	5116.5	5085.5	4843.4	4656.2
27.5°	3394.7	3417.4	3562.8	3871.7	4322.4	4862.5	5297.7	5313.2	5028.3	4783.8
30°	3258.8	3280.2	3435.2	3763.1	4205.5	4838.7	5456.3	5563.6	5216.7	4894.7
32.5°	3109.7	3137.1	3300.5	3630.8	4067.2	4781.4	5594.6	5834.3	5434.9	5014.0
35°	2921.3	2946.4	3118.1	3449.6	3886.0	4689.6	5710.3	6134.8	5747.3	5195.2
37.5°	2692.4	2716.2	2886.7	3223.0	3705.9	4560.8	5798.5	6473.4	6119.3	5456.3
40°	2462.3	2484.9	2644.7	2970.2	3490.1	4396.3	5829.5	6804.9	6546.2	5815.2
42.5°	2251.2	2271.5	2418.1	2721.0	3248.0	4186.4	5789.0	7093.5	6928.9	6065.6
45°	2056.9	2074.7	2204.7	2487.3	2996.4	3931.3	5667.4	7403.5	7384.4	6244.5
47.5°	1835.1	1853.0	1987.7	2260.7	2744.9	3632.0	5461.1	7708.7	8017.6	6649.9
50°	1564.4	1579.9	1718.2	1999.6	2483.7	3313.6	5174.9	7948.4	8816.4	7264.0
52.5°	1243.7	1260.3	1395.1	1676.5	2173.7	2971.4	4798.1	8104.6	9739.3	8160.6
55°	925.3	937.2	1054.1	1306.8	1789.8	2581.5	4325.9	8148.7	10786.3	9386.4
57.5°	671.3	678.5	753.6	942.0	1356.9	2093.8	3752.4	8034.2	12032.3	10958.0
60°	543.7	546.1	568.8	652.2	943.2	1542.9	3059.6	7640.8	13384.5	12983.8
62.5°	493.6	493.6	499.6	522.3	637.9	1018.3	2221.4	6825.2	14834.4	15543.8
65°	459.1	459.1	461.5	472.2	503.2	648.7	1402.2	5496.9	16056.6	18542.7
67.5°	428.1	429.3	428.1	431.6	449.5	479.3	813.2	3796.5	16714.8	21650.0
70°	395.9	398.3	392.3	392.3	406.6	407.8	509.1	2081.9	16168.7	24254.2
72.5°	357.7	361.3	351.8	349.4	360.1	355.3	382.8	999.2	13881.7	25031.6
75°	324.3	329.1	307.6	301.7	301.7	298.1	311.2	512.7	9009.6	20419.5
77.5°	294.5	304.1	269.5	250.4	245.6	234.9	254.0	313.6	3940.8	9586.7
80°	243.2	256.4	221.8	199.1	190.8	178.9	200.3	219.4	1172.1	2226.2
82.5°	181.2	187.2	157.4	141.9	134.7	126.4	150.2	152.6	381.6	788.2
85°	115.7	118.0	96.6	83.5	79.9	76.3	95.4	83.5	145.5	579.5
87.5°	40.5	46.5	37.0	33.4	35.8	29.8	44.1	25.0	40.5	409.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4192.4
4194.8
4222.2
4250.8
4261.6
4271.1
4294.9
4347.4
4427.3
4513.2
4618.1
4743.3
4836.3
4940.0
5112.9
5346.6
5698.4
5915.4
6041.8
6416.2
6970.6
7799.3
8934.5
10389.2
12267.2
14584.0
17328.8
20339.6
23909.6
25937.8
21840.8
9387.6
2132.0
890.7
841.8
506.8
0.0

OF REPORT)