

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: P848994

Luminaire Tested: **GLAN-SB5D-827-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848994  
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-SB5D-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40545 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

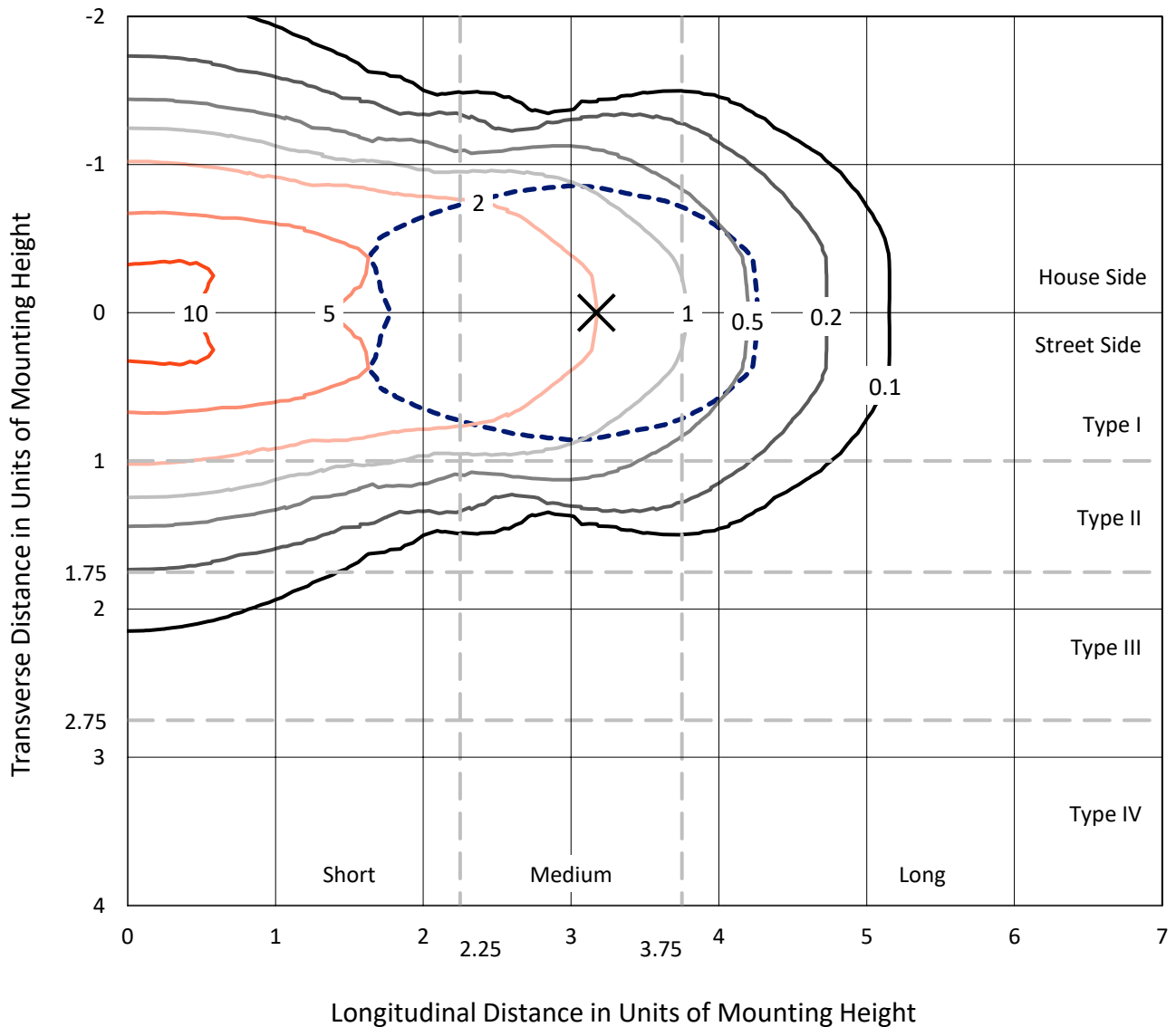
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

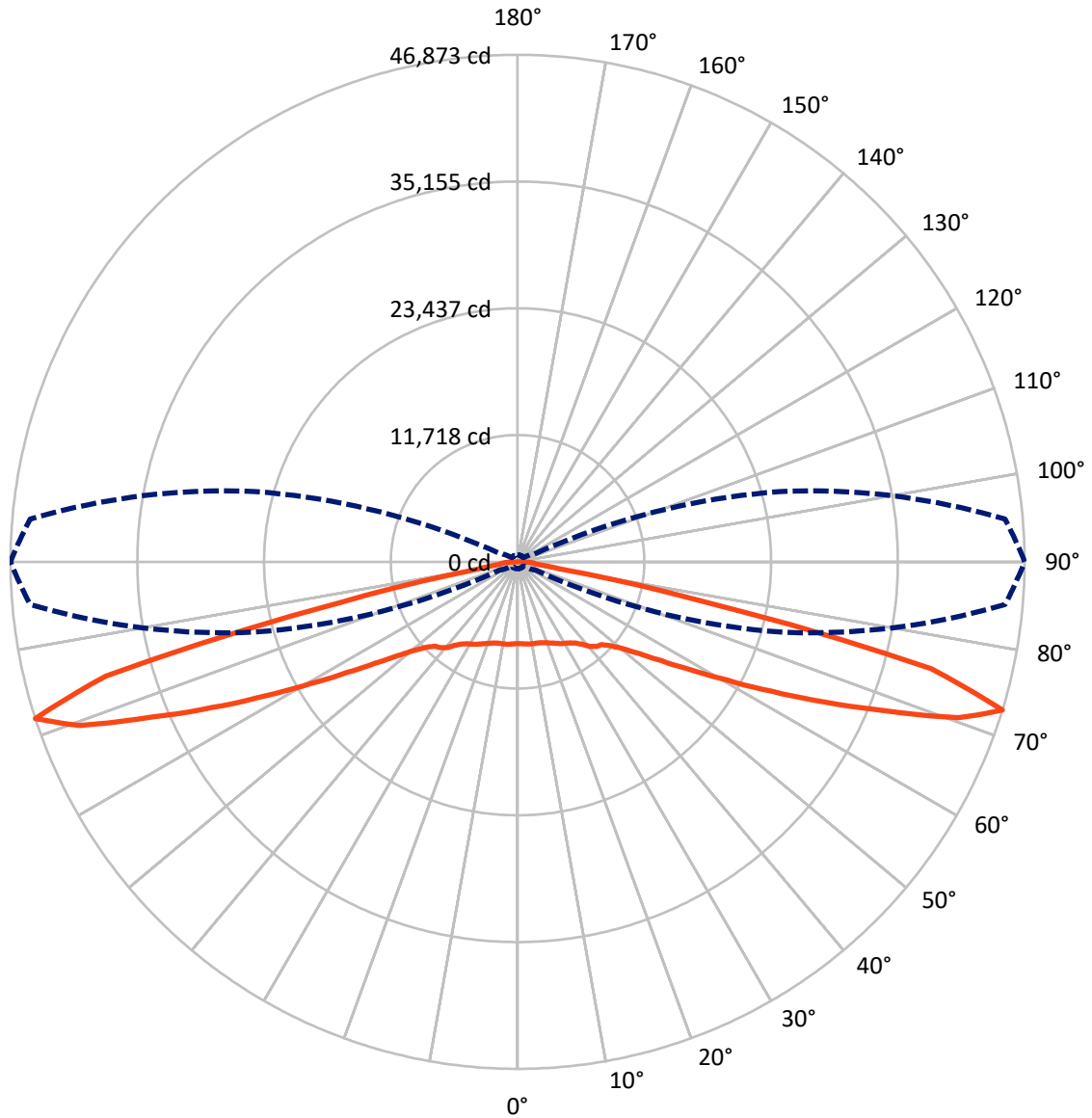
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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
<b>House Side</b>	Lumens	20272.5	0.0	20272.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20272.5	0.0	20272.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40545.0	0.0	40545.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	734.6	1.8
10°-20°	2246.1	5.5
20°-30°	3745.2	9.2
30°-40°	5150.9	12.7
40°-50°	6290.6	15.5
50°-60°	7275.8	17.9
60°-70°	8675.2	21.4
70°-80°	6054.7	14.9
80°-90°	371.9	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°	40545.0	100.0
0°-180°	40545.0	100.0

**Coefficient of Utilization**

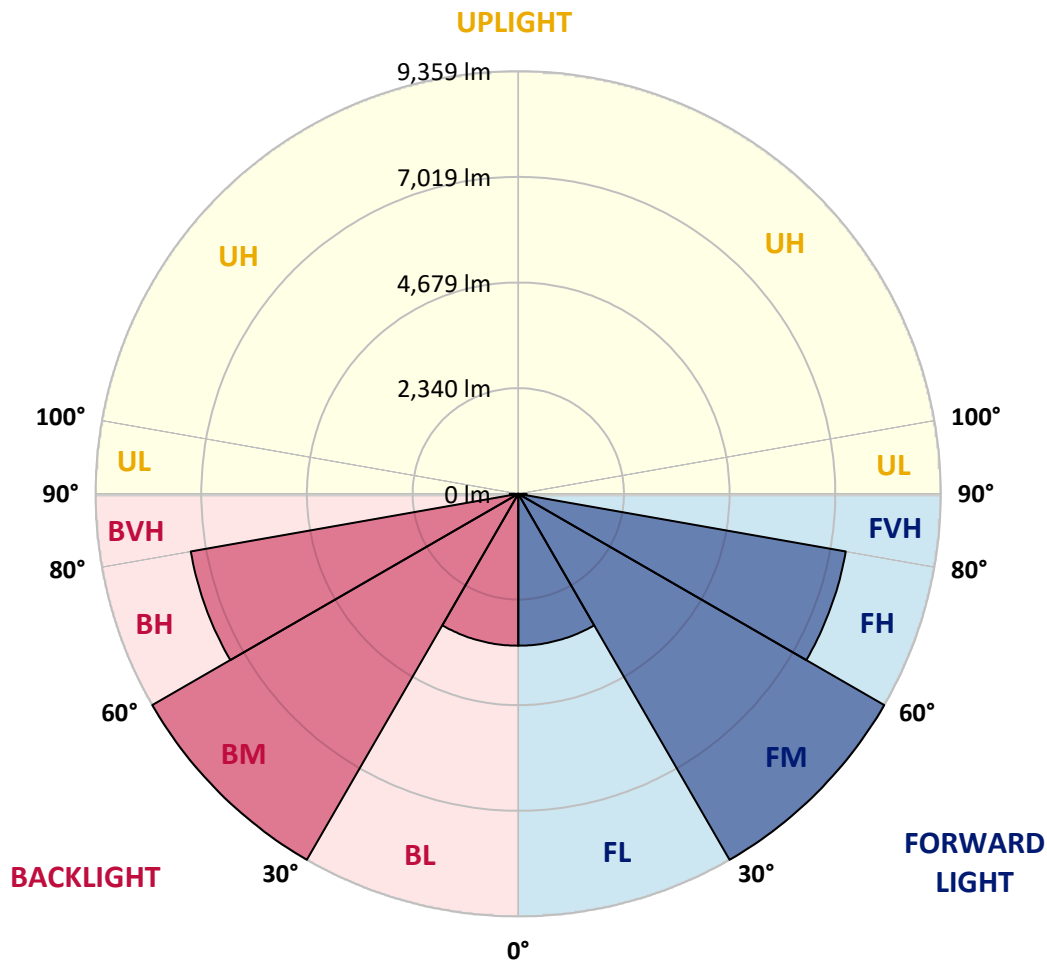


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3363.0	8.3			
FM (30°-60°)	9358.6	23.1			
FH (60°-80°)	7364.9	18.2			G3/7500
FVH (80°-90°)	185.9	0.5			G2/225
BL (0°-30°)	3363.0	8.3	B4/5000		
BM (30°-60°)	9358.6	23.1	B5		
BH (60°-80°)	7364.9	18.2	B5		G5
BVH (80°-90°)	185.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7576.3	7576.3	7576.3	7576.3	7576.3	7576.3	7576.3	7576.3	7576.3	7576.3
2.5°	7582.7	7591.3	7591.3	7584.9	7600.0	7587.0	7587.0	7580.6	7587.0	7580.6
5°	7621.5	7632.3	7636.6	7634.4	7653.8	7643.1	7643.1	7634.4	7636.6	7630.1
7.5°	7694.8	7709.9	7718.5	7729.3	7757.3	7744.3	7735.7	7709.9	7699.1	7681.8
10°	7718.5	7735.7	7763.7	7819.8	7884.4	7886.6	7860.7	7796.1	7746.5	7707.7
12.5°	7645.2	7668.9	7727.1	7841.3	7985.7	8043.9	8002.9	7895.2	7798.2	7729.3
15°	7552.6	7578.4	7666.8	7839.1	8052.5	8188.2	8183.9	8041.7	7886.6	7778.8
17.5°	7408.2	7434.0	7561.2	7802.5	8104.2	8328.3	8388.6	8242.1	8024.5	7880.1
20°	7147.5	7171.2	7347.9	7686.2	8121.4	8477.0	8634.3	8505.0	8233.5	8037.4
22.5°	6809.2	6845.8	7052.6	7485.8	8080.5	8632.1	8914.4	8826.0	8477.0	8205.5
25°	6447.1	6485.9	6727.3	7240.1	7974.9	8744.2	9246.2	9190.2	8752.8	8414.5
27.5°	6134.7	6175.6	6438.5	6996.6	7811.1	8787.3	9573.8	9601.8	9086.8	8645.0
30°	5889.1	5927.8	6208.0	6800.5	7600.0	8744.2	9860.3	10054.3	9427.2	8845.4
32.5°	5619.7	5669.3	5964.5	6561.4	7350.0	8640.7	10110.3	10543.4	9821.6	9060.9
35°	5279.2	5324.5	5634.8	6233.8	7022.5	8474.8	10319.3	11086.4	10386.1	9388.4
37.5°	4865.5	4908.6	5216.8	5824.4	6697.1	8242.1	10478.8	11698.4	11058.4	9860.3
40°	4449.7	4490.6	4779.3	5367.6	6307.1	7944.7	10534.8	12297.4	11829.8	10508.9
42.5°	4068.3	4104.9	4369.9	4917.2	5869.7	7565.5	10461.5	12818.9	12521.5	10961.4
45°	3717.0	3749.3	3984.2	4494.9	5415.0	7104.4	10241.7	13379.1	13344.6	11284.7
47.5°	3316.2	3348.6	3592.0	4085.5	4960.3	6563.5	9869.0	13930.8	14488.8	12017.3
50°	2827.1	2855.1	3105.1	3613.6	4488.4	5988.2	9351.8	14363.9	15932.6	13127.0
52.5°	2247.5	2277.6	2521.1	3029.6	3928.2	5369.8	8670.9	14646.1	17600.4	14747.4
55°	1672.1	1693.7	1904.8	2361.7	3234.3	4665.1	7817.6	14725.9	19492.3	16962.6
57.5°	1213.1	1226.1	1361.8	1702.3	2452.2	3783.8	6781.1	14519.0	21744.0	19802.6
60°	982.6	986.9	1027.8	1178.7	1704.4	2788.3	5529.2	13807.9	24187.6	23463.6
62.5°	892.1	892.1	902.9	943.8	1152.8	1840.2	4014.4	12334.0	26807.8	28089.9
65°	829.6	829.6	833.9	853.3	909.3	1172.2	2534.0	9933.6	29016.5	33509.2
67.5°	773.6	775.7	773.6	780.0	812.4	866.2	1469.6	6860.9	30205.9	39124.6
70°	715.4	719.7	708.9	708.9	734.8	736.9	920.1	3762.3	29219.0	43830.7
72.5°	646.4	652.9	635.7	631.4	650.7	642.1	691.7	1805.7	25086.1	45235.6
75°	586.1	594.7	555.9	545.2	545.2	538.7	562.4	926.6	16281.6	36900.9
77.5°	532.2	549.5	487.0	452.5	443.9	424.5	459.0	566.7	7121.6	17324.6
80°	439.6	463.3	400.8	359.9	344.8	323.2	362.0	396.5	2118.2	4023.0
82.5°	327.5	338.3	284.4	256.4	243.5	228.4	271.5	275.8	689.5	1424.3
85°	209.0	213.3	174.5	150.8	144.4	137.9	172.4	150.8	262.9	1047.2
87.5°	73.3	84.0	66.8	60.3	64.6	53.9	79.7	45.3	73.3	739.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7576.3  
7580.6  
7630.1  
7681.8  
7701.2  
7718.5  
7761.6  
7856.4  
8000.8  
8155.9  
8345.5  
8571.8  
8739.9  
8927.3  
9239.8  
9662.1  
10297.8  
10689.9  
10918.3  
11595.0  
12596.9  
14094.5  
16145.9  
18774.7  
22168.5  
26355.3  
31315.6  
36756.5  
43208.0  
46873.3  
39469.4  
16964.7  
3852.8  
1609.6  
1521.3  
915.8  
0.0

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