

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: P847634

Luminaire Tested: **GLAN-SB3D-827-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847634  
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-SB3D-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 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: 24082 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

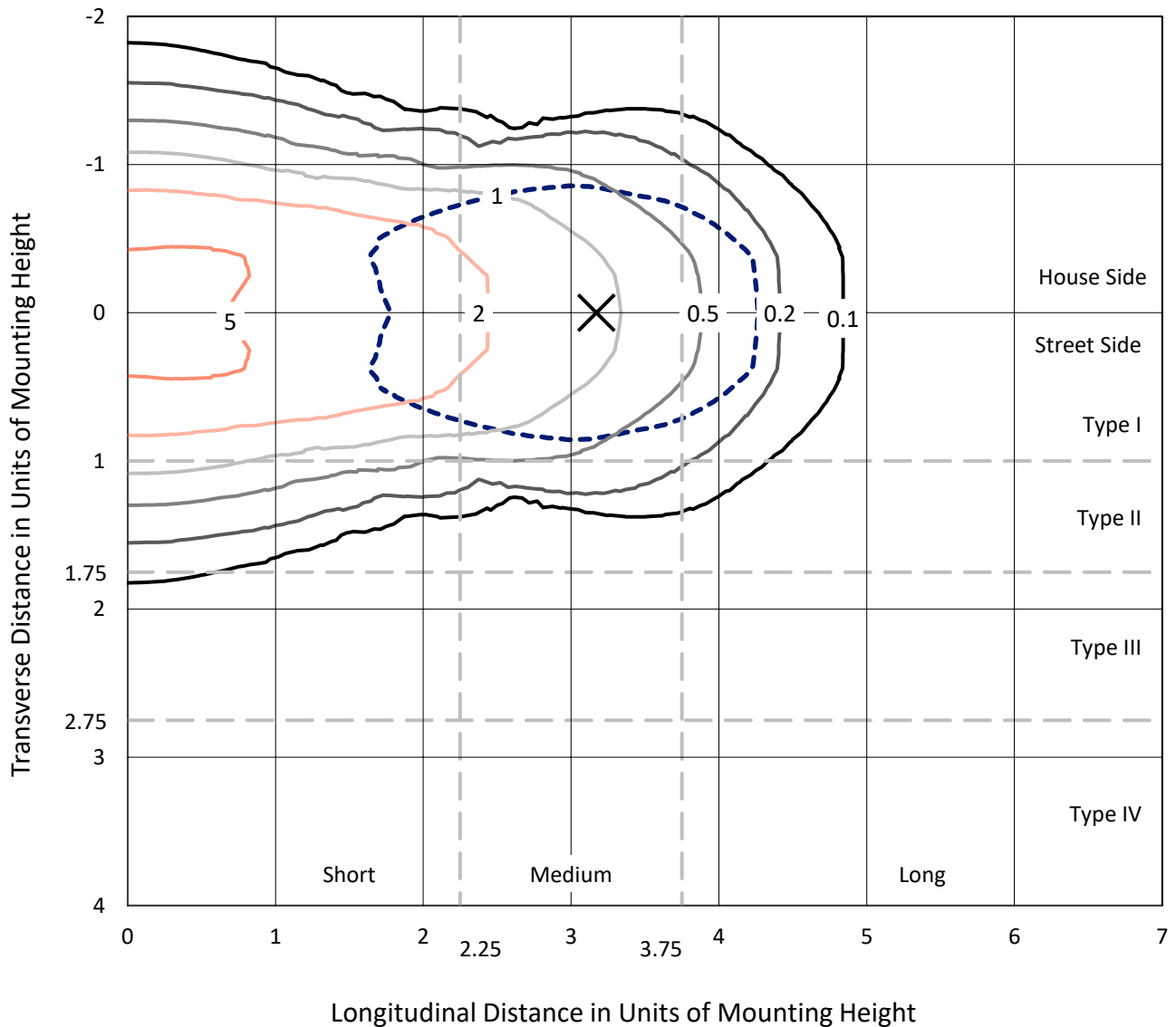
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

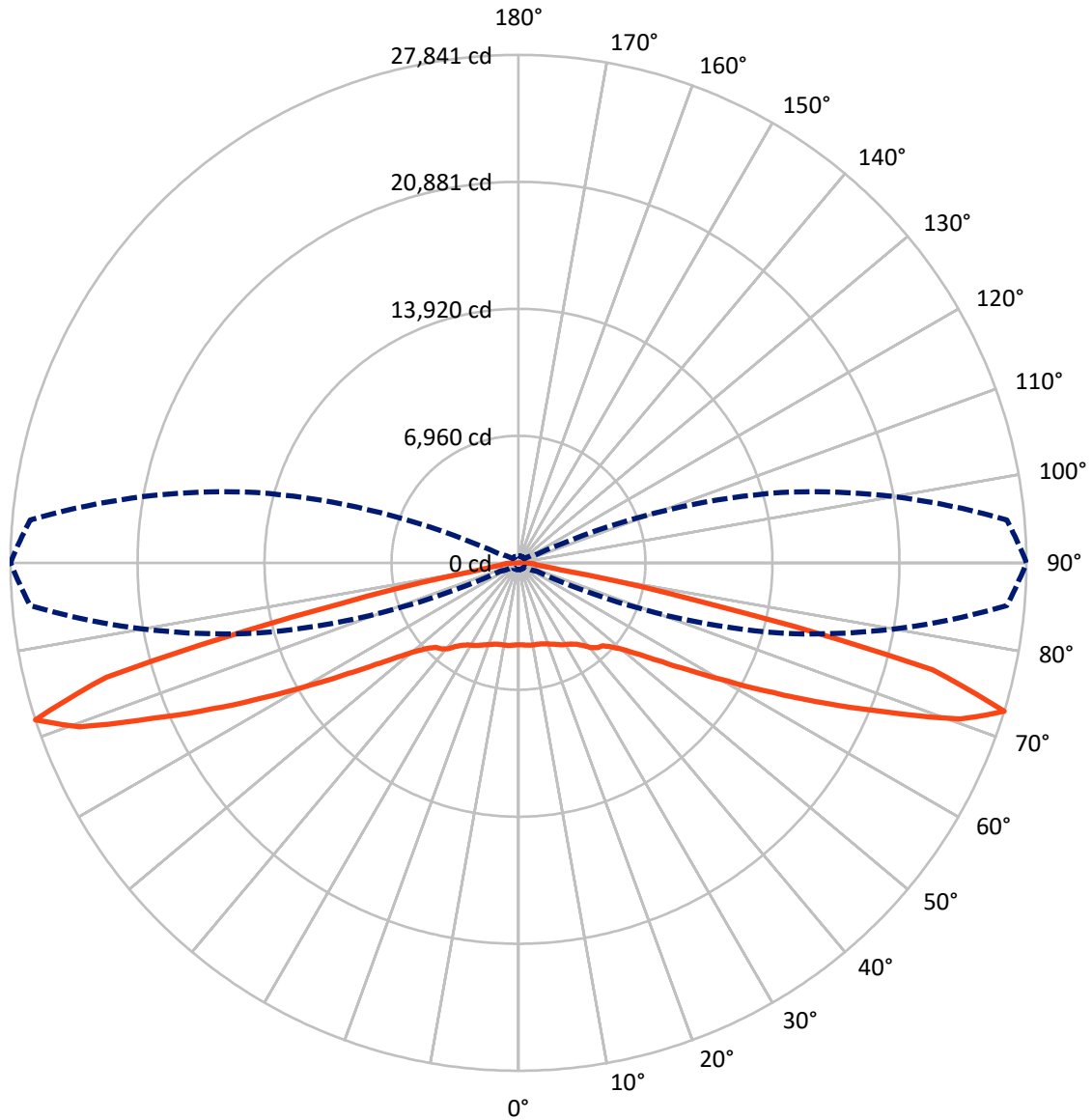
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	12041.0	0.0	12041.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12041.0	0.0	12041.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24082.0	0.0	24082.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	436.3	1.8
10°-20°	1334.1	5.5
20°-30°	2224.5	9.2
30°-40°	3059.4	12.7
40°-50°	3736.4	15.5
50°-60°	4321.5	17.9
60°-70°	5152.7	21.4
70°-80°	3596.2	14.9
80°-90°	220.9	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°	24082.0	100.0
0°-180°	24082.0	100.0

**Coefficient of Utilization**



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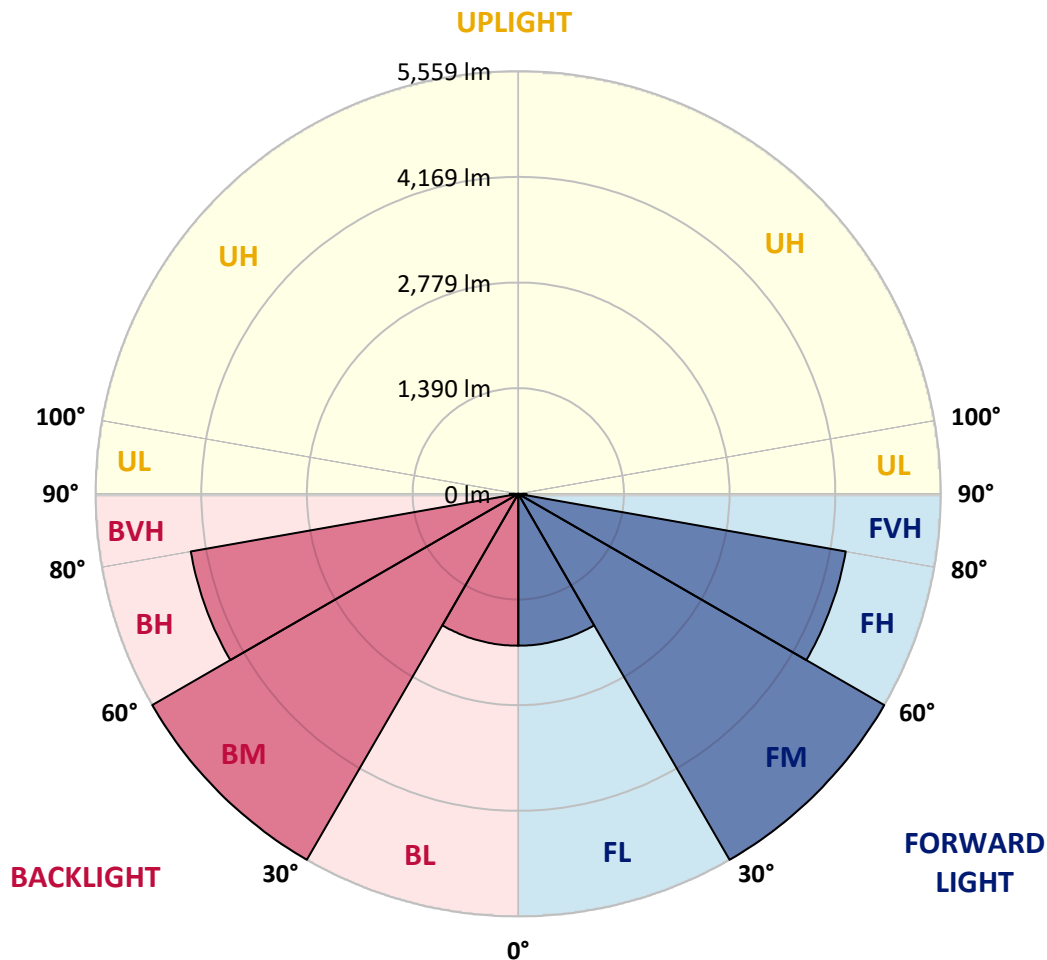
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1997.5	8.3			
FM (30°-60°)	5558.6	23.1			
FH (60°-80°)	4374.5	18.2			G2/5000
FVH (80°-90°)	110.4	0.5			G2/225
BL (0°-30°)	1997.5	8.3	B3/2500		
BM (30°-60°)	5558.6	23.1	B4/8500		
BH (60°-80°)	4374.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	110.4	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°	4500.0	4500.0	4500.0	4500.0	4500.0	4500.0	4500.0	4500.0	4500.0	4500.0
2.5°	4503.8	4508.9	4508.9	4505.1	4514.1	4506.4	4506.4	4502.5	4506.4	4502.5
5°	4526.9	4533.3	4535.8	4534.5	4546.1	4539.7	4539.7	4534.5	4535.8	4532.0
7.5°	4570.4	4579.3	4584.4	4590.8	4607.5	4599.8	4594.7	4579.3	4572.9	4562.7
10°	4584.4	4594.7	4611.3	4644.6	4683.0	4684.3	4668.9	4630.5	4601.1	4578.0
12.5°	4540.9	4555.0	4589.6	4657.4	4743.1	4777.7	4753.4	4689.4	4631.8	4590.8
15°	4485.9	4501.3	4553.7	4656.1	4782.8	4863.5	4860.9	4776.4	4684.3	4620.3
17.5°	4400.1	4415.5	4491.0	4634.4	4813.5	4946.6	4982.5	4895.5	4766.2	4680.4
20°	4245.3	4259.4	4364.3	4565.2	4823.8	5035.0	5128.4	5051.6	4890.3	4773.9
22.5°	4044.3	4066.1	4189.0	4446.2	4799.5	5127.1	5294.8	5242.3	5035.0	4873.7
25°	3829.3	3852.4	3995.7	4300.3	4736.7	5193.7	5491.9	5458.6	5198.8	4997.8
27.5°	3643.8	3668.1	3824.2	4155.7	4639.5	5219.3	5686.4	5703.0	5397.2	5134.8
30°	3497.8	3520.9	3687.3	4039.2	4514.1	5193.7	5856.6	5971.8	5599.4	5253.8
32.5°	3337.9	3367.3	3542.6	3897.2	4365.6	5132.2	6005.1	6262.3	5833.6	5381.8
35°	3135.6	3162.5	3346.8	3702.6	4171.1	5033.7	6129.2	6584.9	6168.9	5576.3
37.5°	2889.9	2915.5	3098.5	3459.5	3977.8	4895.5	6223.9	6948.3	6568.2	5856.6
40°	2642.9	2667.2	2838.7	3188.1	3746.1	4718.8	6257.2	7304.1	7026.4	6241.9
42.5°	2416.4	2438.1	2595.5	2920.6	3486.3	4493.6	6213.7	7613.9	7437.2	6510.6
45°	2207.8	2227.0	2366.5	2669.8	3216.3	4219.7	6083.2	7946.6	7926.2	6702.6
47.5°	1969.7	1988.9	2133.5	2426.6	2946.2	3898.4	5861.7	8274.3	8605.8	7137.8
50°	1679.2	1695.8	1844.3	2146.3	2665.9	3556.7	5554.6	8531.5	9463.3	7796.9
52.5°	1334.9	1352.8	1497.4	1799.5	2333.2	3189.4	5150.1	8699.2	10453.9	8759.3
55°	993.2	1006.0	1131.4	1402.7	1921.1	2770.9	4643.3	8746.5	11577.6	10075.0
57.5°	720.6	728.2	808.9	1011.1	1456.5	2247.4	4027.7	8623.7	12915.0	11761.9
60°	583.6	586.2	610.5	700.1	1012.4	1656.1	3284.1	8201.3	14366.4	13936.4
62.5°	529.9	529.9	536.3	560.6	684.7	1093.0	2384.4	7325.9	15922.7	16684.2
65°	492.7	492.7	495.3	506.8	540.1	696.2	1505.1	5900.1	17234.5	19903.1
67.5°	459.5	460.7	459.5	463.3	482.5	514.5	872.9	4075.1	17941.0	23238.4
70°	424.9	427.5	421.1	421.1	436.4	437.7	546.5	2234.6	17354.9	26033.6
72.5°	384.0	387.8	377.6	375.0	386.5	381.4	410.8	1072.5	14900.1	26868.0
75°	348.1	353.2	330.2	323.8	323.8	320.0	334.0	550.3	9670.6	21917.5
77.5°	316.1	326.4	289.2	268.8	263.7	252.1	272.6	336.6	4229.9	10290.0
80°	261.1	275.2	238.1	213.7	204.8	192.0	215.0	235.5	1258.1	2389.5
82.5°	194.5	200.9	168.9	152.3	144.6	135.7	161.3	163.8	409.6	846.0
85°	124.1	126.7	103.7	89.6	85.8	81.9	102.4	89.6	156.1	622.0
87.5°	43.5	49.9	39.7	35.8	38.4	32.0	47.4	26.9	43.5	439.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4500.0  
4502.5  
4532.0  
4562.7  
4574.2  
4584.4  
4610.0  
4666.4  
4752.1  
4844.3  
4956.9  
5091.3  
5191.1  
5302.4  
5488.0  
5738.9  
6116.4  
6349.4  
6485.0  
6886.9  
7482.0  
8371.5  
9590.0  
11151.4  
13167.2  
15653.9  
18600.2  
21831.8  
25663.7  
27840.7  
23443.1  
10076.3  
2288.4  
956.1  
903.6  
543.9  
0.0

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