

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: P848164

Luminaire Tested: **GLAN-SB4C-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848164  
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-SB4C-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24585 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

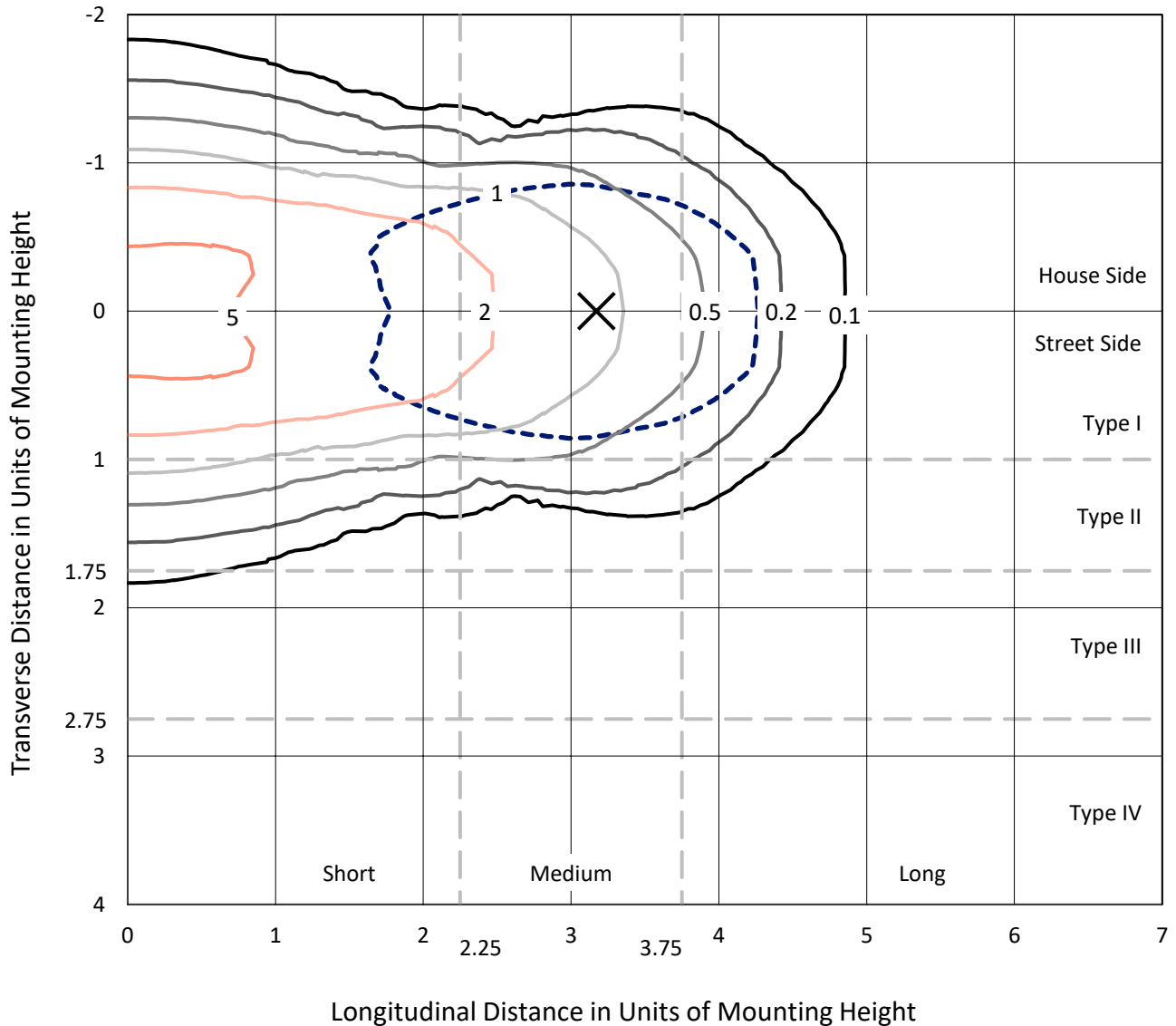
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

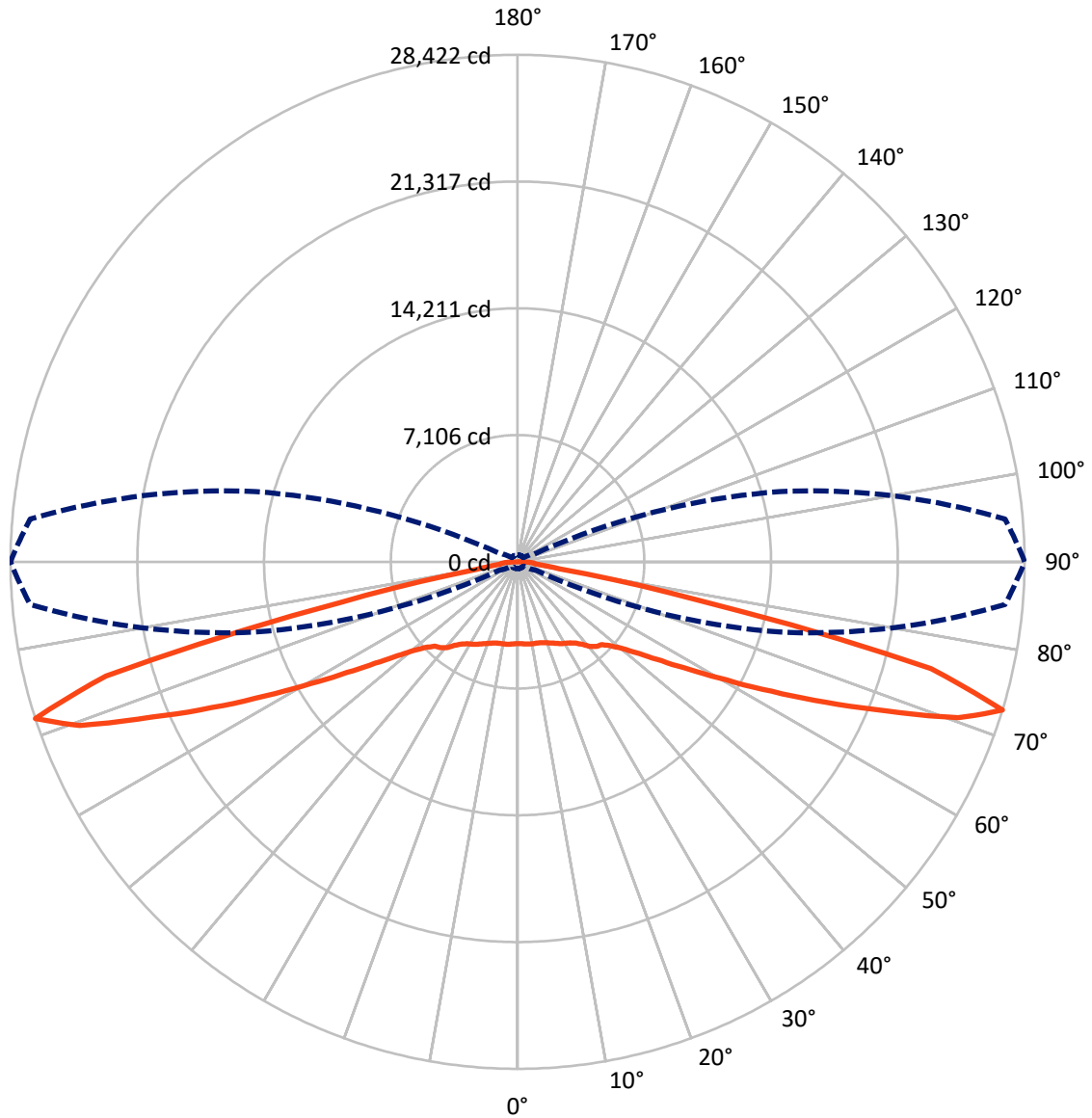
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	12292.5	0.0	12292.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12292.5	0.0	12292.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24585.0	0.0	24585.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	445.4	1.8
10°-20°	1362.0	5.5
20°-30°	2271.0	9.2
30°-40°	3123.3	12.7
40°-50°	3814.4	15.5
50°-60°	4411.8	17.9
60°-70°	5260.3	21.4
70°-80°	3671.3	14.9
80°-90°	225.5	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°	24585.0	100.0
0°-180°	24585.0	100.0

**Coefficient of Utilization**

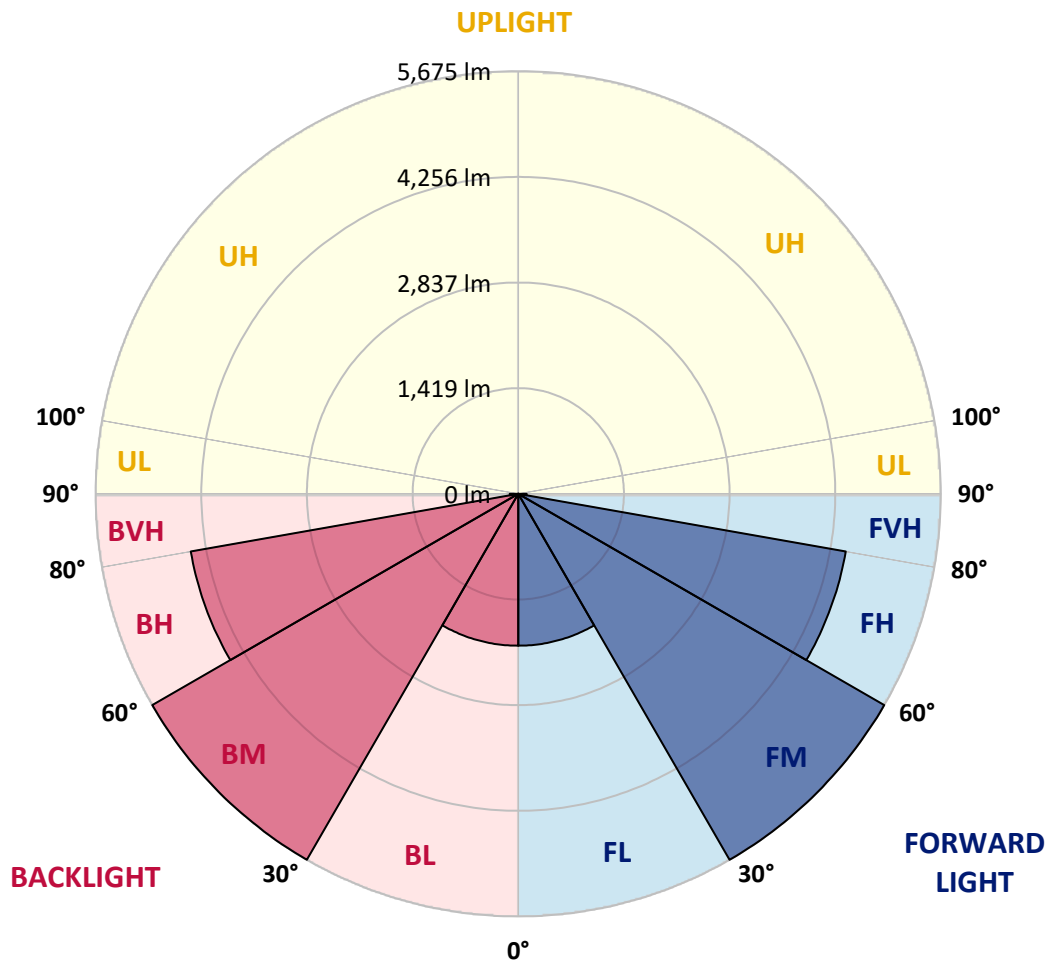


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2039.2	8.3			
FM (30°-60°)	5674.7	23.1			
FH (60°-80°)	4465.8	18.2			G2/5000
FVH (80°-90°)	112.7	0.5			G2/225
BL (0°-30°)	2039.2	8.3	B3/2500		
BM (30°-60°)	5674.7	23.1	B4/8500		
BH (60°-80°)	4465.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	112.7	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°	4594.0	4594.0	4594.0	4594.0	4594.0	4594.0	4594.0	4594.0	4594.0	4594.0
2.5°	4597.9	4603.1	4603.1	4599.2	4608.3	4600.5	4600.5	4596.6	4600.5	4596.6
5°	4621.4	4627.9	4630.6	4629.2	4641.0	4634.5	4634.5	4629.2	4630.6	4626.6
7.5°	4665.8	4675.0	4680.2	4686.7	4703.7	4695.9	4690.7	4675.0	4668.4	4658.0
10°	4680.2	4690.7	4707.6	4741.6	4780.8	4782.1	4766.4	4727.2	4697.2	4673.7
12.5°	4635.8	4650.2	4685.4	4754.7	4842.2	4877.5	4852.7	4787.3	4728.5	4686.7
15°	4579.6	4595.3	4648.8	4753.4	4882.7	4965.0	4962.4	4876.2	4782.1	4716.8
17.5°	4492.1	4507.7	4584.8	4731.2	4914.1	5050.0	5086.6	4997.7	4865.7	4778.2
20°	4334.0	4348.3	4455.5	4660.6	4924.5	5140.1	5235.5	5157.1	4992.5	4873.6
22.5°	4128.8	4151.0	4276.5	4539.1	4899.7	5234.2	5405.4	5351.8	5140.1	4975.5
25°	3909.3	3932.8	4079.2	4390.1	4835.7	5302.1	5606.6	5572.6	5307.4	5102.2
27.5°	3719.9	3744.7	3904.1	4242.5	4736.4	5328.3	5805.2	5822.2	5509.9	5242.0
30°	3570.9	3594.4	3764.3	4123.6	4608.3	5302.1	5979.0	6096.5	5716.3	5363.5
32.5°	3407.6	3437.6	3616.6	3978.6	4456.8	5239.4	6130.5	6393.1	5955.4	5494.2
35°	3201.1	3228.6	3416.7	3780.0	4258.2	5138.8	6257.3	6722.4	6297.8	5692.8
37.5°	2950.3	2976.4	3163.3	3531.7	4060.9	4997.7	6353.9	7093.5	6705.4	5979.0
40°	2698.1	2722.9	2898.0	3254.7	3824.4	4817.4	6387.9	7456.7	7173.2	6372.2
42.5°	2466.8	2489.1	2649.8	2981.6	3559.1	4587.4	6343.5	7772.9	7592.6	6646.6
45°	2253.9	2273.5	2415.9	2725.5	3283.5	4307.8	6210.2	8112.6	8091.7	6842.6
47.5°	2010.8	2030.4	2178.1	2477.3	3007.8	3979.9	5984.2	8447.1	8785.5	7286.8
50°	1714.2	1731.2	1882.8	2191.1	2721.6	3631.0	5670.6	8709.7	9660.9	7959.7
52.5°	1362.8	1381.1	1528.7	1837.1	2381.9	3256.0	5257.7	8880.9	10672.2	8942.3
55°	1013.9	1027.0	1155.0	1432.0	1961.2	2828.8	4740.3	8929.2	11819.4	10285.5
57.5°	735.6	743.4	825.8	1032.2	1486.9	2294.4	4111.8	8803.8	13184.8	12007.6
60°	595.8	598.4	623.2	714.7	1033.5	1690.7	3352.7	8372.6	14666.5	14227.4
62.5°	540.9	540.9	547.5	572.3	699.0	1115.8	2434.2	7478.9	16255.3	17032.7
65°	503.0	503.0	505.6	517.4	551.4	710.8	1536.5	6023.4	17594.5	20318.8
67.5°	469.1	470.4	469.1	473.0	492.6	525.2	891.1	4160.2	18315.8	23723.7
70°	433.8	436.4	429.9	429.9	445.5	446.9	557.9	2281.3	17717.3	26577.3
72.5°	392.0	395.9	385.4	382.8	394.6	389.4	419.4	1094.9	15211.3	27429.2
75°	355.4	360.6	337.1	330.6	330.6	326.6	341.0	561.8	9872.6	22375.3
77.5°	322.7	333.2	295.3	274.4	269.2	257.4	278.3	343.6	4318.3	10505.0
80°	266.5	280.9	243.0	218.2	209.1	196.0	219.5	240.4	1284.4	2439.4
82.5°	198.6	205.1	172.5	155.5	147.6	138.5	164.6	167.2	418.1	863.7
85°	126.7	129.4	105.8	91.5	87.5	83.6	104.5	91.5	159.4	635.0
87.5°	44.4	51.0	40.5	36.6	39.2	32.7	48.3	27.4	44.4	448.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4594.0  
4596.6  
4626.6  
4658.0  
4669.7  
4680.2  
4706.3  
4763.8  
4851.4  
4945.4  
5060.4  
5197.6  
5299.5  
5413.2  
5602.7  
5858.7  
6244.2  
6482.0  
6620.5  
7030.8  
7638.3  
8546.4  
9790.3  
11384.3  
13442.2  
15980.9  
18988.7  
22287.8  
26199.7  
28422.2  
23932.8  
10286.8  
2336.2  
976.0  
922.5  
555.3  
0.0

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