

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: P847934

Luminaire Tested: **GLAN-SB4B-735-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847934  
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-SB4B-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21908 lumens  
Efficiency: N/A  
Efficacy: 149.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

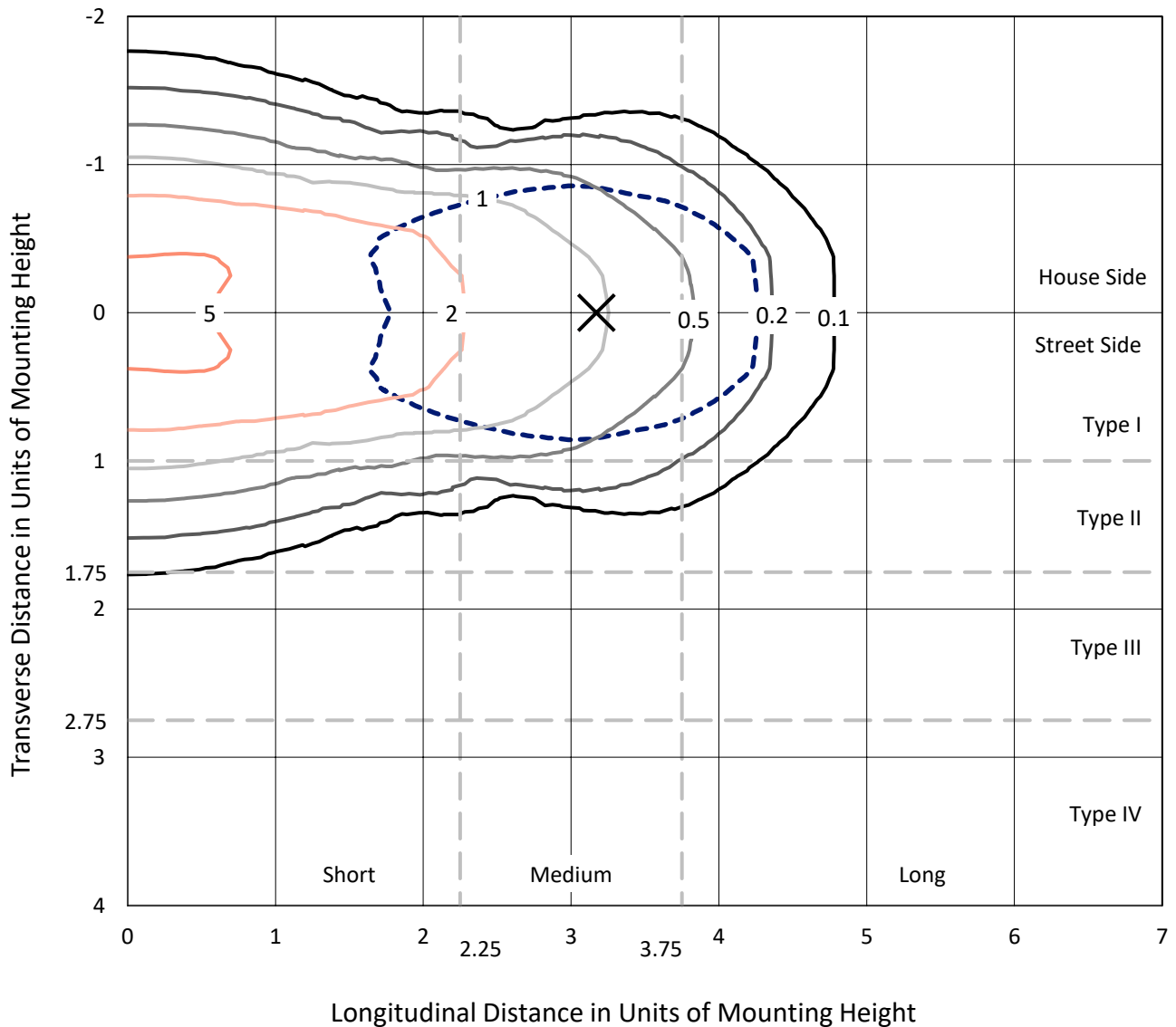
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P847934  
 CATALOG NUMBER: GLAN-SB4B-735-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

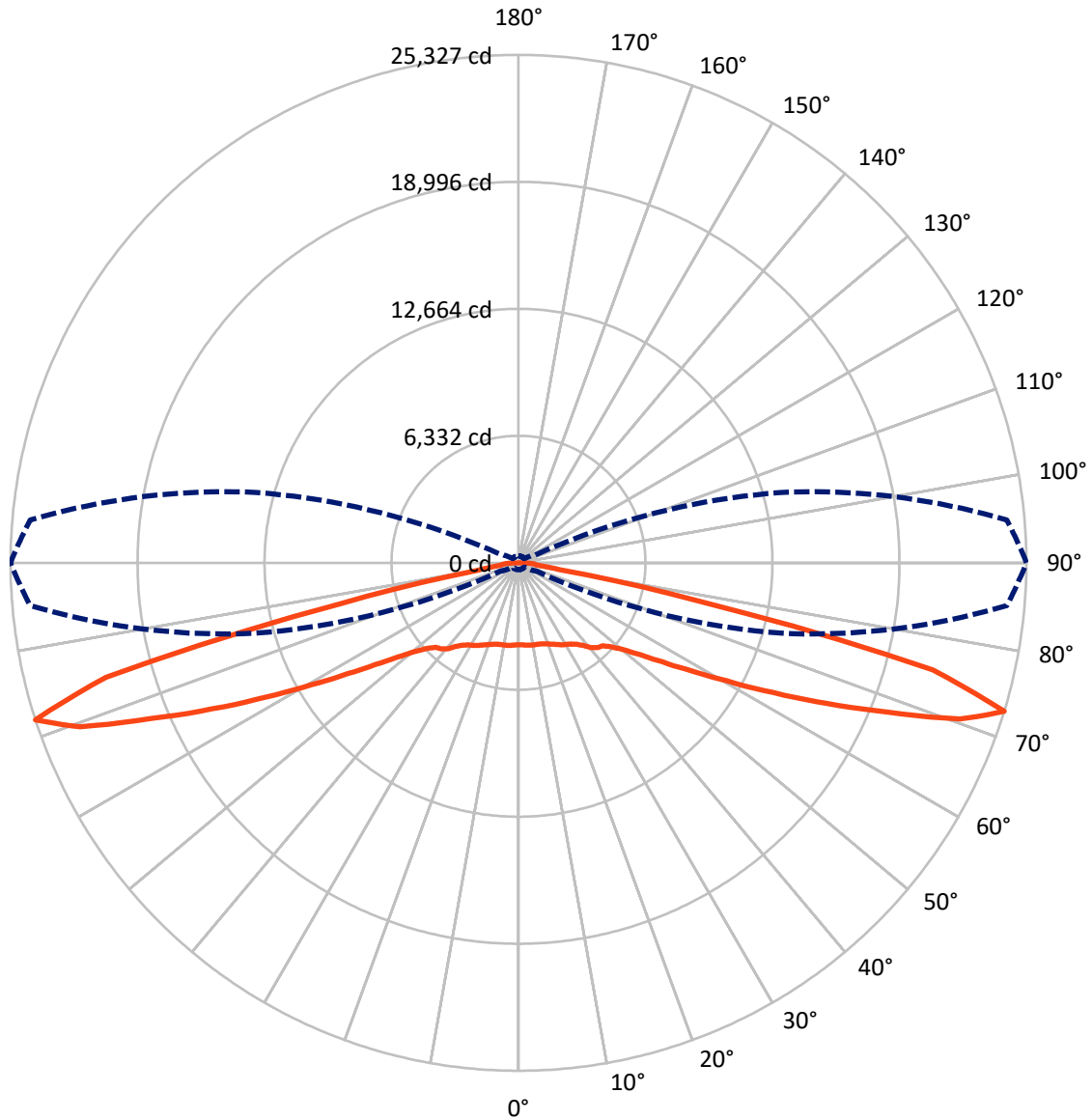
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type I - Short - N/A

REPORT NUMBER: P847934  
CATALOG NUMBER: GLAN-SB4B-735-U-T1

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P847934  
 CATALOG NUMBER: GLAN-SB4B-735-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10954.0	0.0	10954.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10954.0	0.0	10954.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21908.0	0.0	21908.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	396.9	1.8
10°-20°	1213.7	5.5
20°-30°	2023.7	9.2
30°-40°	2783.2	12.7
40°-50°	3399.1	15.5
50°-60°	3931.4	17.9
60°-70°	4687.5	21.4
70°-80°	3271.6	14.9
80°-90°	200.9	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°	21908.0	100.0
0°-180°	21908.0	100.0

**Coefficient of Utilization**

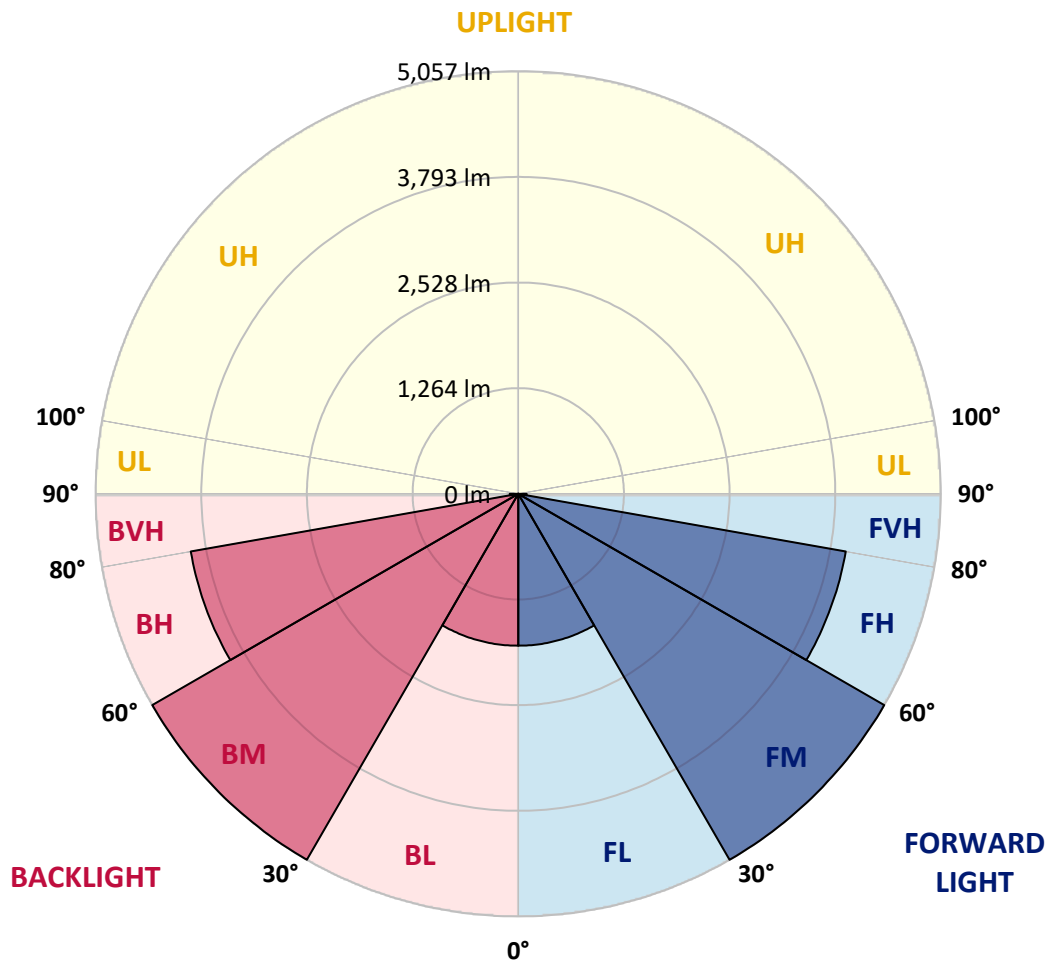


REPORT NUMBER: P847934  
 CATALOG NUMBER: GLAN-SB4B-735-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1817.2	8.3			
FM (30°-60°)	5056.8	23.1			
FH (60°-80°)	3979.6	18.2			G2/5000
FVH (80°-90°)	100.5	0.5			G2/225
BL (0°-30°)	1817.2	8.3	B3/2500		
BM (30°-60°)	5056.8	23.1	B4/8500		
BH (60°-80°)	3979.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	100.5	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



REPORT NUMBER: P847934  
 CATALOG NUMBER: GLAN-SB4B-735-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7	4093.7
2.5°	4097.2	4101.9	4101.9	4098.4	4106.5	4099.6	4099.6	4096.1	4099.6	4096.1
5°	4118.2	4124.0	4126.3	4125.2	4135.7	4129.8	4129.8	4125.2	4126.3	4122.8
7.5°	4157.8	4165.9	4170.6	4176.4	4191.5	4184.6	4179.9	4165.9	4160.1	4150.8
10°	4170.6	4179.9	4195.0	4225.3	4260.2	4261.4	4247.4	4212.5	4185.7	4164.8
12.5°	4131.0	4143.8	4175.2	4237.0	4315.0	4346.4	4324.3	4266.1	4213.7	4176.4
15°	4080.9	4094.9	4142.6	4235.8	4351.1	4424.4	4422.1	4345.2	4261.4	4203.2
17.5°	4002.9	4016.9	4085.6	4216.0	4379.0	4500.1	4532.7	4453.5	4335.9	4257.9
20°	3862.0	3874.8	3970.3	4153.1	4388.3	4580.4	4665.4	4595.6	4448.9	4342.9
22.5°	3679.2	3699.0	3810.8	4044.8	4366.2	4664.3	4816.8	4769.0	4580.4	4433.7
25°	3483.6	3504.6	3635.0	3912.1	4309.1	4724.8	4996.1	4965.8	4729.5	4546.7
27.5°	3314.8	3336.9	3479.0	3780.5	4220.7	4748.1	5173.1	5188.2	4909.9	4671.2
30°	3182.1	3203.0	3354.4	3674.6	4106.5	4724.8	5327.9	5432.7	5093.9	4779.5
32.5°	3036.5	3063.3	3222.8	3545.3	3971.5	4668.9	5463.0	5697.0	5307.0	4896.0
35°	2852.6	2877.0	3044.7	3368.4	3794.5	4579.3	5575.9	5990.4	5612.0	5072.9
37.5°	2629.0	2652.3	2818.8	3147.2	3618.7	4453.5	5662.1	6321.1	5975.3	5327.9
40°	2404.3	2426.4	2582.5	2900.3	3408.0	4292.8	5692.3	6644.8	6392.1	5678.4
42.5°	2198.2	2218.0	2361.2	2657.0	3171.6	4087.9	5652.8	6926.5	6765.9	5922.9
45°	2008.4	2025.9	2152.8	2428.8	2925.9	3838.8	5534.0	7229.2	7210.6	6097.5
47.5°	1791.9	1809.3	1940.9	2207.5	2680.3	3546.5	5332.6	7527.3	7828.9	6493.4
50°	1527.6	1542.7	1677.8	1952.6	2425.3	3235.6	5053.1	7761.3	8609.0	7093.0
52.5°	1214.4	1230.7	1362.3	1637.0	2122.6	2901.5	4685.2	7913.9	9510.1	7968.6
55°	903.5	915.2	1029.3	1276.1	1747.6	2520.7	4224.1	7956.9	10532.4	9165.5
57.5°	655.5	662.5	735.8	919.8	1325.0	2044.5	3664.1	7845.2	11749.1	10700.1
60°	530.9	533.3	555.4	636.9	921.0	1506.6	2987.6	7460.9	13069.5	12678.3
62.5°	482.0	482.0	487.8	510.0	622.9	994.3	2169.1	6664.6	14485.3	15178.0
65°	448.3	448.3	450.6	461.1	491.3	633.4	1369.2	5367.5	15678.7	18106.3
67.5°	418.0	419.2	418.0	421.5	438.9	468.1	794.1	3707.2	16321.4	21140.5
70°	386.6	388.9	383.1	383.1	397.0	398.2	497.2	2032.9	15788.1	23683.4
72.5°	349.3	352.8	343.5	341.1	351.6	347.0	373.7	975.7	13555.0	24442.5
75°	316.7	321.4	300.4	294.6	294.6	291.1	303.9	500.7	8797.6	19938.9
77.5°	287.6	296.9	263.1	244.5	239.8	229.4	248.0	306.2	3848.1	9361.1
80°	237.5	250.3	216.6	194.4	186.3	174.6	195.6	214.2	1144.5	2173.8
82.5°	177.0	182.8	153.7	138.6	131.6	123.4	146.7	149.0	372.6	769.6
85°	112.9	115.3	94.3	81.5	78.0	74.5	93.1	81.5	142.0	565.9
87.5°	39.6	45.4	36.1	32.6	34.9	29.1	43.1	24.5	39.6	399.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4093.7  
4096.1  
4122.8  
4150.8  
4161.3  
4170.6  
4193.9  
4245.1  
4323.1  
4406.9  
4509.4  
4631.7  
4722.5  
4823.8  
4992.6  
5220.8  
5564.3  
5776.2  
5899.6  
6265.2  
6806.6  
7615.8  
8724.2  
10144.7  
11978.5  
14240.8  
16921.0  
19860.9  
23346.9  
25327.4  
21326.8  
9166.7  
2081.8  
869.7  
822.0  
494.8  
0.0

OF REPORT)