

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: P849524

Luminaire Tested: **GLAN-SB6C-835-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849524  
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-SB6C-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 37198 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

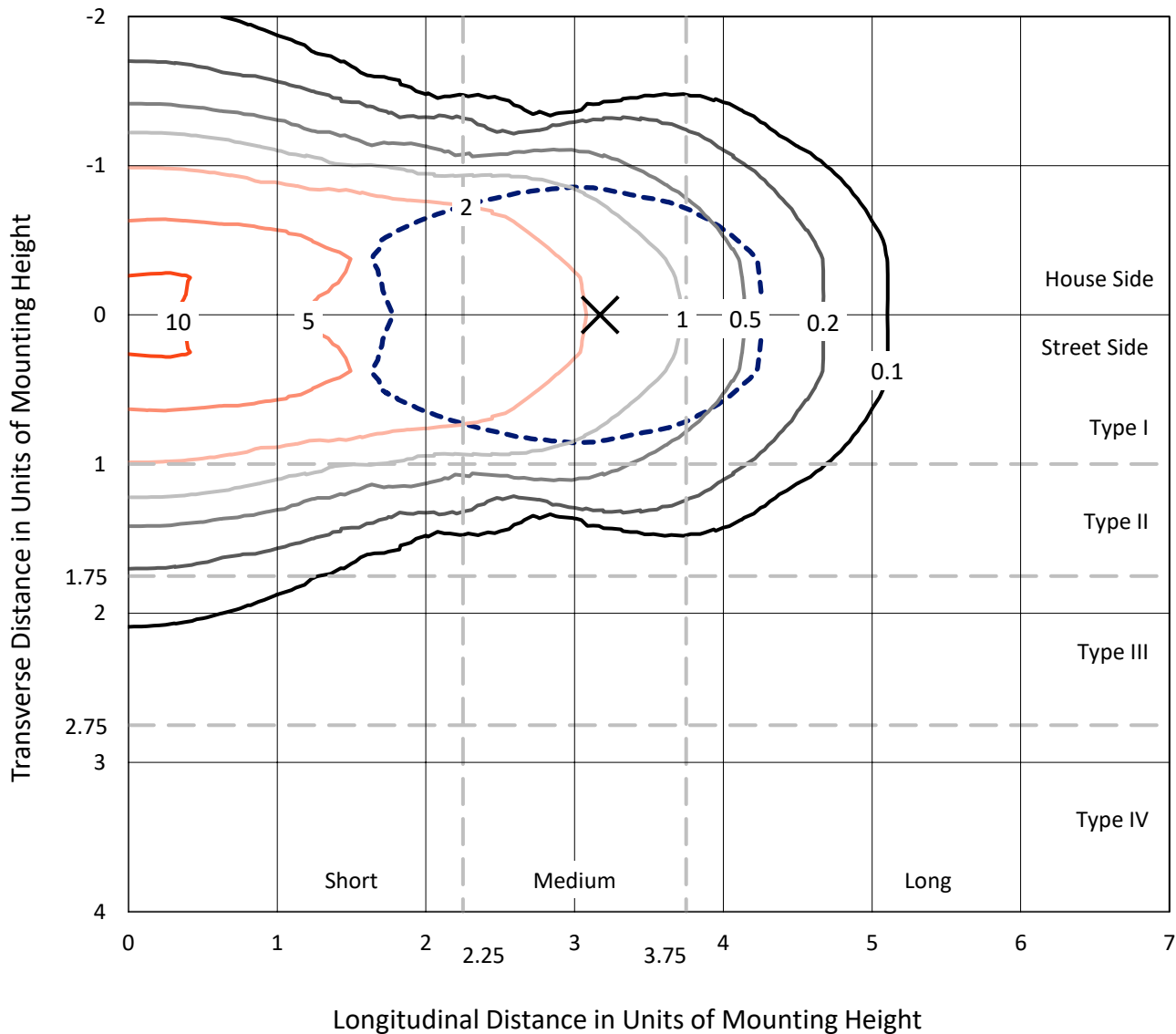
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

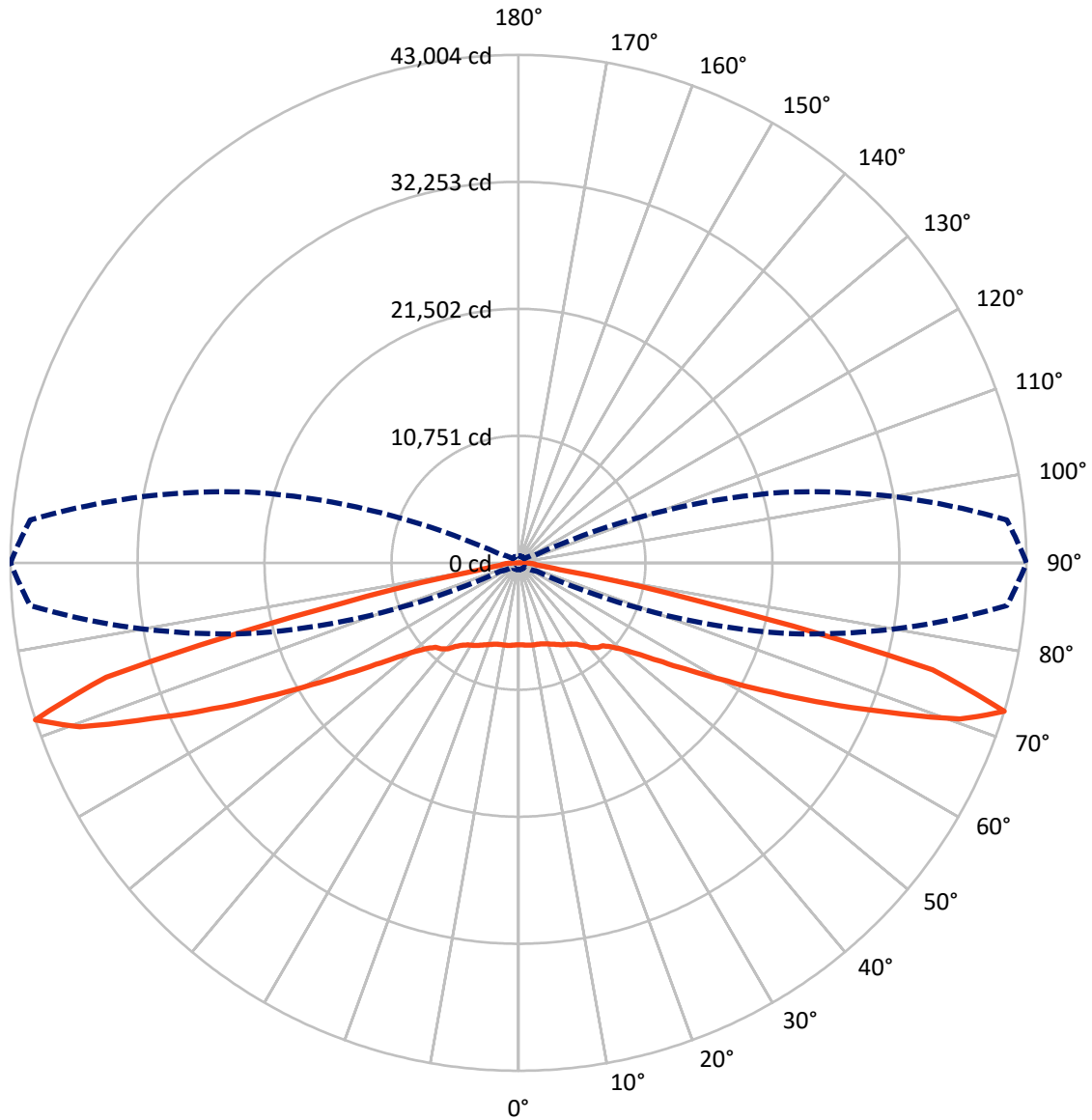
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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	18599.0	0.0	18599.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18599.0	0.0	18599.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37198.0	0.0	37198.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	674.0	1.8
10°-20°	2060.7	5.5
20°-30°	3436.1	9.2
30°-40°	4725.7	12.7
40°-50°	5771.3	15.5
50°-60°	6675.2	17.9
60°-70°	7959.0	21.4
70°-80°	5554.9	14.9
80°-90°	341.2	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°	37198.0	100.0
0°-180°	37198.0	100.0

**Coefficient of Utilization**

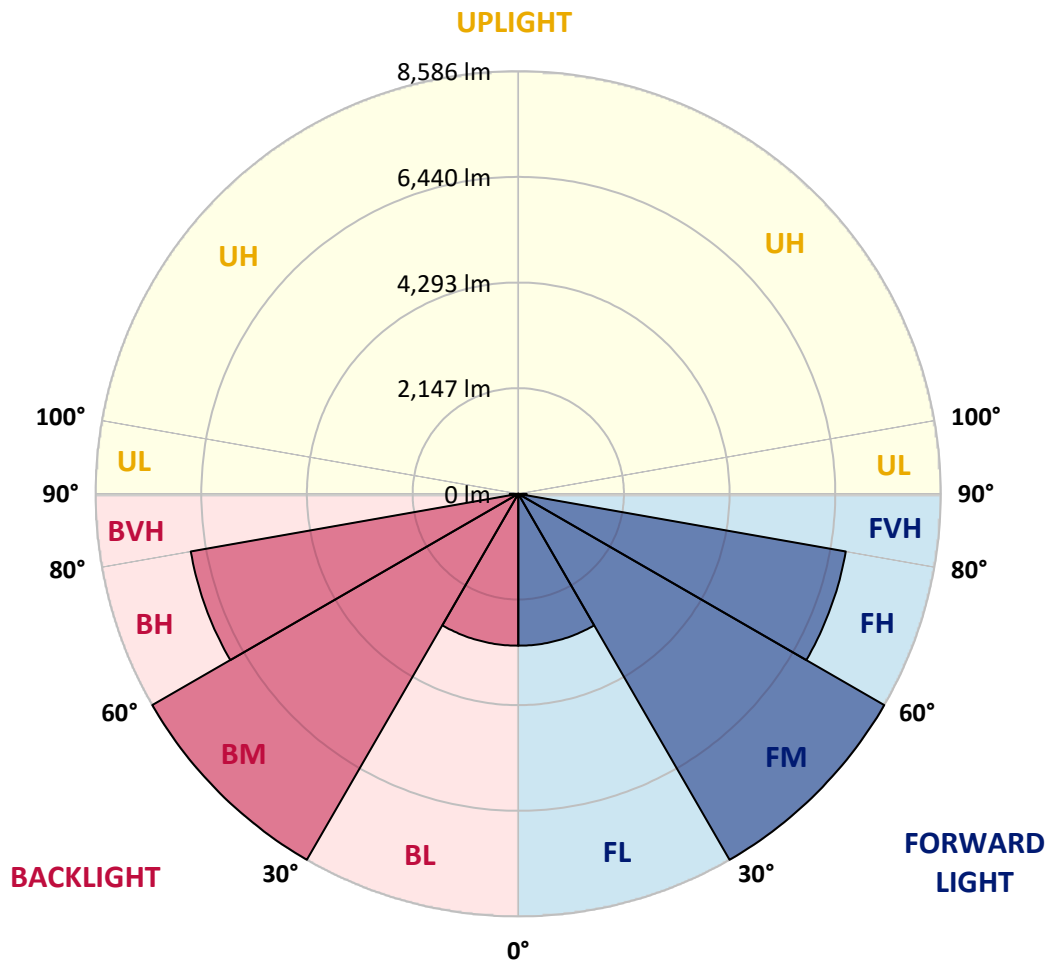


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3085.4	8.3			
FM (30°-60°)	8586.1	23.1			
FH (60°-80°)	6757.0	18.2			G3/7500
FVH (80°-90°)	170.6	0.5			G2/225
BL (0°-30°)	3085.4	8.3	B4/5000		
BM (30°-60°)	8586.1	23.1	B5		
BH (60°-80°)	6757.0	18.2	B5		G5
BVH (80°-90°)	170.6	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°	6950.8	6950.8	6950.8	6950.8	6950.8	6950.8	6950.8	6950.8	6950.8	6950.8
2.5°	6956.8	6964.7	6964.7	6958.7	6972.6	6960.7	6960.7	6954.8	6960.7	6954.8
5°	6992.4	7002.2	7006.2	7004.2	7022.0	7012.1	7012.1	7004.2	7006.2	7000.3
7.5°	7059.6	7073.4	7081.3	7091.2	7116.9	7105.0	7097.1	7073.4	7063.5	7047.7
10°	7081.3	7097.1	7122.8	7174.2	7233.5	7235.5	7211.8	7152.5	7107.0	7071.4
12.5°	7014.1	7035.8	7089.2	7194.0	7326.5	7379.8	7342.3	7243.4	7154.5	7091.2
15°	6929.1	6952.8	7033.9	7192.0	7387.7	7512.3	7508.3	7377.9	7235.5	7136.7
17.5°	6796.6	6820.4	6937.0	7158.4	7435.2	7640.8	7696.1	7561.7	7362.0	7229.6
20°	6557.4	6579.2	6741.3	7051.7	7451.0	7777.2	7921.5	7802.9	7553.8	7373.9
22.5°	6247.1	6280.7	6470.4	6867.8	7413.4	7919.5	8178.5	8097.5	7777.2	7528.1
25°	5914.9	5950.5	6171.9	6642.4	7316.6	8022.3	8482.9	8431.5	8030.2	7719.9
27.5°	5628.3	5665.8	5907.0	6419.0	7166.3	8061.9	8783.4	8809.1	8336.7	7931.4
30°	5402.9	5438.5	5695.5	6239.1	6972.6	8022.3	9046.4	9224.3	8649.0	8115.2
32.5°	5155.8	5201.3	5472.1	6019.7	6743.3	7927.4	9275.7	9673.1	9010.8	8312.9
35°	4843.4	4885.0	5169.6	5719.2	6442.8	7775.2	9467.5	10171.2	9528.7	8613.4
37.5°	4463.9	4503.4	4786.1	5343.6	6144.3	7561.7	9613.7	10732.7	10145.5	9046.4
40°	4082.3	4119.9	4384.8	4924.5	5786.4	7288.9	9665.1	11282.3	10853.3	9641.4
42.5°	3732.4	3766.0	4009.2	4511.3	5385.1	6941.0	9597.9	11760.7	11487.9	10056.6
45°	3410.2	3439.8	3655.3	4123.8	4968.0	6517.9	9396.3	12274.7	12243.0	10353.1
47.5°	3042.5	3072.1	3295.5	3748.2	4550.9	6021.7	9054.3	12780.8	13292.8	11025.3
50°	2593.7	2619.4	2848.7	3315.3	4117.9	5493.9	8579.8	13178.1	14617.3	12043.4
52.5°	2061.9	2089.6	2313.0	2779.5	3603.9	4926.5	7955.1	13437.1	16147.5	13530.0
55°	1534.1	1553.9	1747.6	2166.7	2967.4	4280.0	7172.3	13510.2	17883.2	15562.3
57.5°	1113.0	1124.9	1249.4	1561.8	2249.7	3471.5	6221.4	13320.5	19949.1	18167.9
60°	901.5	905.4	943.0	1081.4	1563.7	2558.1	5072.8	12668.1	22190.9	21526.6
62.5°	818.4	818.4	828.3	865.9	1057.7	1688.3	3683.0	11315.9	24594.8	25771.1
65°	761.1	761.1	765.1	782.9	834.3	1075.4	2324.9	9113.6	26621.2	30743.0
67.5°	709.7	711.7	709.7	715.6	745.3	794.7	1348.3	6294.5	27712.4	35894.9
70°	656.3	660.3	650.4	650.4	674.1	676.1	844.1	3451.7	26807.0	40212.5
72.5°	593.1	599.0	583.2	579.2	597.0	589.1	634.6	1656.7	23015.3	41501.4
75°	537.7	545.6	510.0	500.2	500.2	494.2	516.0	850.1	14937.6	33854.7
77.5°	488.3	504.1	446.8	415.2	407.2	389.5	421.1	519.9	6533.7	15894.4
80°	403.3	425.0	367.7	330.1	316.3	296.5	332.1	363.8	1943.3	3690.9
82.5°	300.5	310.4	261.0	235.3	223.4	209.6	249.1	253.0	632.6	1306.7
85°	191.8	195.7	160.1	138.4	132.5	126.5	158.2	138.4	241.2	960.8
87.5°	67.2	77.1	61.3	55.4	59.3	49.4	73.1	41.5	67.2	678.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6950.8  
6954.8  
7000.3  
7047.7  
7065.5  
7081.3  
7120.9  
7207.8  
7340.3  
7482.6  
7656.6  
7864.2  
8018.4  
8190.4  
8477.0  
8864.5  
9447.7  
9807.5  
10017.0  
10637.8  
11557.1  
12931.0  
14813.0  
17224.9  
20338.5  
24179.7  
28730.5  
33722.2  
39641.1  
43003.9  
36211.2  
15564.3  
3534.7  
1476.8  
1395.7  
840.2  
0.0

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