

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: P846784

Luminaire Tested: **GLAN-SB2C-827-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846784  
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-SB2C-827-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11813 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

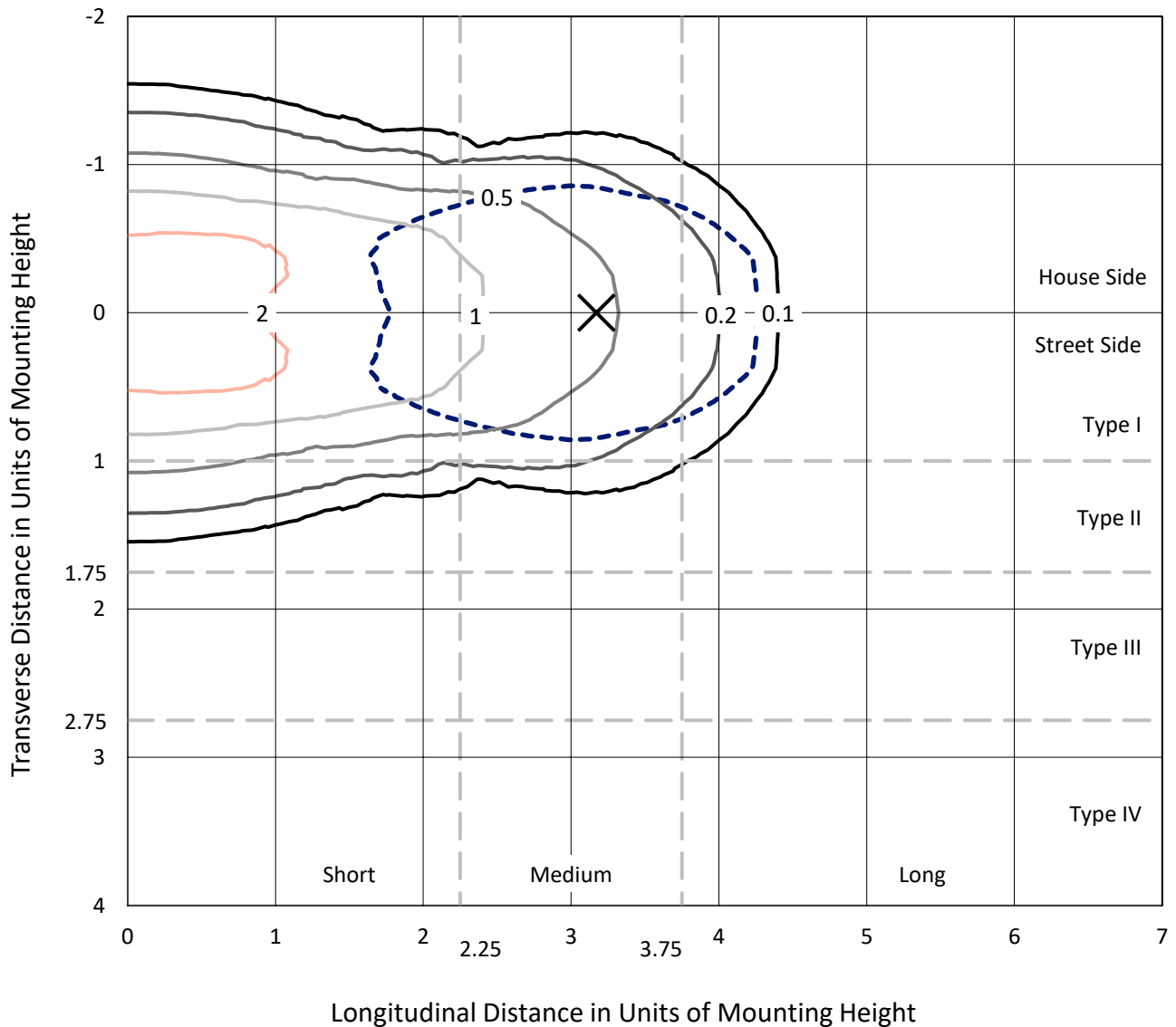
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

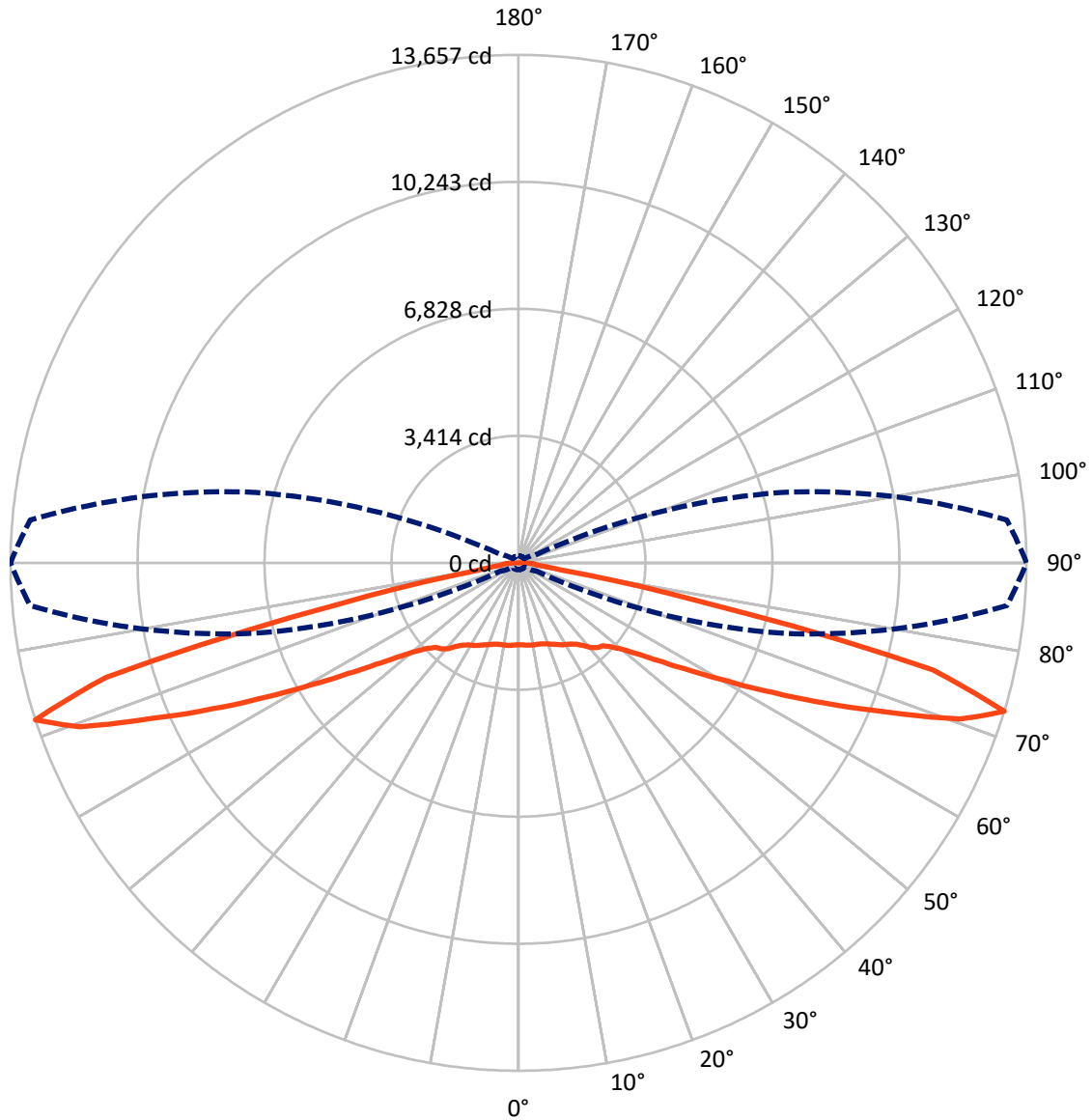
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	5906.5	0.0	5906.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5906.5	0.0	5906.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11813.0	0.0	11813.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.0	1.8
10°-20°	654.4	5.5
20°-30°	1091.2	9.2
30°-40°	1500.7	12.7
40°-50°	1832.8	15.5
50°-60°	2119.8	17.9
60°-70°	2527.6	21.4
70°-80°	1764.1	14.9
80°-90°	108.3	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°	11813.0	100.0
0°-180°	11813.0	100.0

**Coefficient of Utilization**



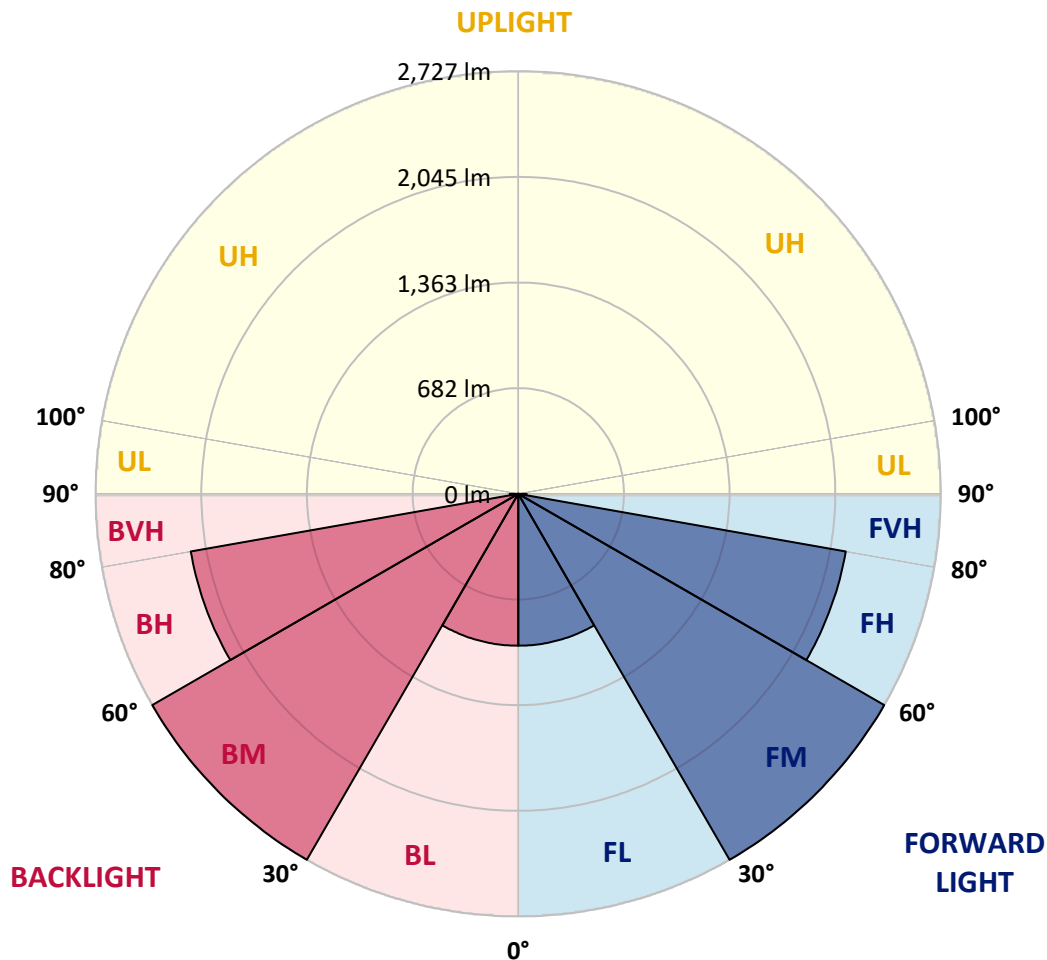
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	979.8	8.3			
FM (30°-60°)	2726.7	23.1			
FH (60°-80°)	2145.8	18.2			G2/5000
FVH (80°-90°)	54.2	0.5			G1/100
BL (0°-30°)	979.8	8.3	B2/1000		
BM (30°-60°)	2726.7	23.1	B3/5000		
BH (60°-80°)	2145.8	18.2	B3/2500		G3/2500
BVH (80°-90°)	54.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2207.4	2207.4	2207.4	2207.4	2207.4	2207.4	2207.4	2207.4	2207.4	2207.4
2.5°	2209.3	2211.8	2211.8	2209.9	2214.3	2210.5	2210.5	2208.6	2210.5	2208.6
5°	2220.6	2223.7	2225.0	2224.3	2230.0	2226.8	2226.8	2224.3	2225.0	2223.1
7.5°	2241.9	2246.3	2248.8	2252.0	2260.1	2256.4	2253.8	2246.3	2243.2	2238.1
10°	2248.8	2253.8	2262.0	2278.3	2297.2	2297.8	2290.3	2271.4	2257.0	2245.7
12.5°	2227.5	2234.4	2251.3	2284.6	2326.7	2343.6	2331.7	2300.3	2272.0	2252.0
15°	2200.5	2208.0	2233.8	2284.0	2346.1	2385.7	2384.4	2343.0	2297.8	2266.4
17.5°	2158.4	2165.9	2203.0	2273.3	2361.2	2426.5	2444.1	2401.4	2338.0	2295.9
20°	2082.4	2089.4	2140.8	2239.4	2366.2	2469.8	2515.6	2478.0	2398.9	2341.7
22.5°	1983.9	1994.6	2054.8	2181.0	2354.3	2515.0	2597.3	2571.5	2469.8	2390.7
25°	1878.4	1889.7	1960.0	2109.4	2323.5	2547.7	2693.9	2677.6	2550.2	2451.6
27.5°	1787.4	1799.3	1875.9	2038.5	2275.8	2560.2	2789.4	2797.5	2647.5	2518.8
30°	1715.8	1727.1	1808.7	1981.4	2214.3	2547.7	2872.9	2929.4	2746.7	2577.2
32.5°	1637.3	1651.8	1737.8	1911.7	2141.5	2517.5	2945.7	3071.9	2861.6	2639.9
35°	1538.1	1551.3	1641.7	1816.3	2046.0	2469.2	3006.6	3230.1	3026.0	2735.4
37.5°	1417.6	1430.2	1519.9	1697.0	1951.2	2401.4	3053.0	3408.4	3221.9	2872.9
40°	1296.4	1308.4	1392.5	1563.9	1837.6	2314.7	3069.4	3582.9	3446.7	3061.8
42.5°	1185.3	1196.0	1273.2	1432.7	1710.2	2204.2	3048.0	3734.8	3648.2	3193.7
45°	1083.0	1092.4	1160.8	1309.6	1577.7	2069.9	2984.0	3898.1	3888.0	3287.8
47.5°	966.2	975.6	1046.6	1190.3	1445.2	1912.3	2875.4	4058.8	4221.4	3501.3
50°	823.7	831.8	904.7	1052.8	1307.7	1744.7	2724.7	4185.0	4642.0	3824.6
52.5°	654.8	663.6	734.5	882.7	1144.5	1564.5	2526.3	4267.2	5128.0	4296.7
55°	487.2	493.5	555.0	688.1	942.3	1359.2	2277.7	4290.5	5679.2	4942.1
57.5°	353.5	357.2	396.8	496.0	714.4	1102.4	1975.7	4230.2	6335.2	5769.6
60°	286.3	287.5	299.5	343.4	496.6	812.4	1611.0	4023.0	7047.2	6836.2
62.5°	259.9	259.9	263.1	275.0	335.9	536.2	1169.6	3593.6	7810.6	8184.1
65°	241.7	241.7	243.0	248.6	264.9	341.5	738.3	2894.2	8454.1	9763.1
67.5°	225.4	226.0	225.4	227.3	236.7	252.4	428.2	1999.0	8800.7	11399.2
70°	208.4	209.7	206.5	206.5	214.1	214.7	268.1	1096.2	8513.1	12770.3
72.5°	188.3	190.2	185.2	183.9	189.6	187.1	201.5	526.1	7309.0	13179.6
75°	170.8	173.3	162.0	158.8	158.8	157.0	163.9	270.0	4743.7	10751.3
77.5°	155.1	160.1	141.9	131.8	129.3	123.7	133.7	165.1	2074.9	5047.6
80°	128.1	135.0	116.8	104.8	100.4	94.2	105.5	115.5	617.1	1172.1
82.5°	95.4	98.6	82.9	74.7	70.9	66.5	79.1	80.4	200.9	415.0
85°	60.9	62.2	50.9	43.9	42.1	40.2	50.2	43.9	76.6	305.1
87.5°	21.3	24.5	19.5	17.6	18.8	15.7	23.2	13.2	21.3	215.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2207.4  
2208.6  
2223.1  
2238.1  
2243.8  
2248.8  
2261.4  
2289.0  
2331.1  
2376.3  
2431.5  
2497.4  
2546.4  
2601.0  
2692.1  
2815.1  
3000.3  
3114.6  
3181.1  
3378.3  
3670.2  
4106.5  
4704.2  
5470.1  
6458.9  
7678.8  
9124.0  
10709.2  
12588.9  
13656.8  
11499.6  
4942.8  
1122.5  
469.0  
443.2  
266.8  
0.0

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