

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: P846794

Luminaire Tested: **GLAN-SB2C-830-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846794  
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-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12722 lumens  
Efficiency: N/A  
Efficacy: 126.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

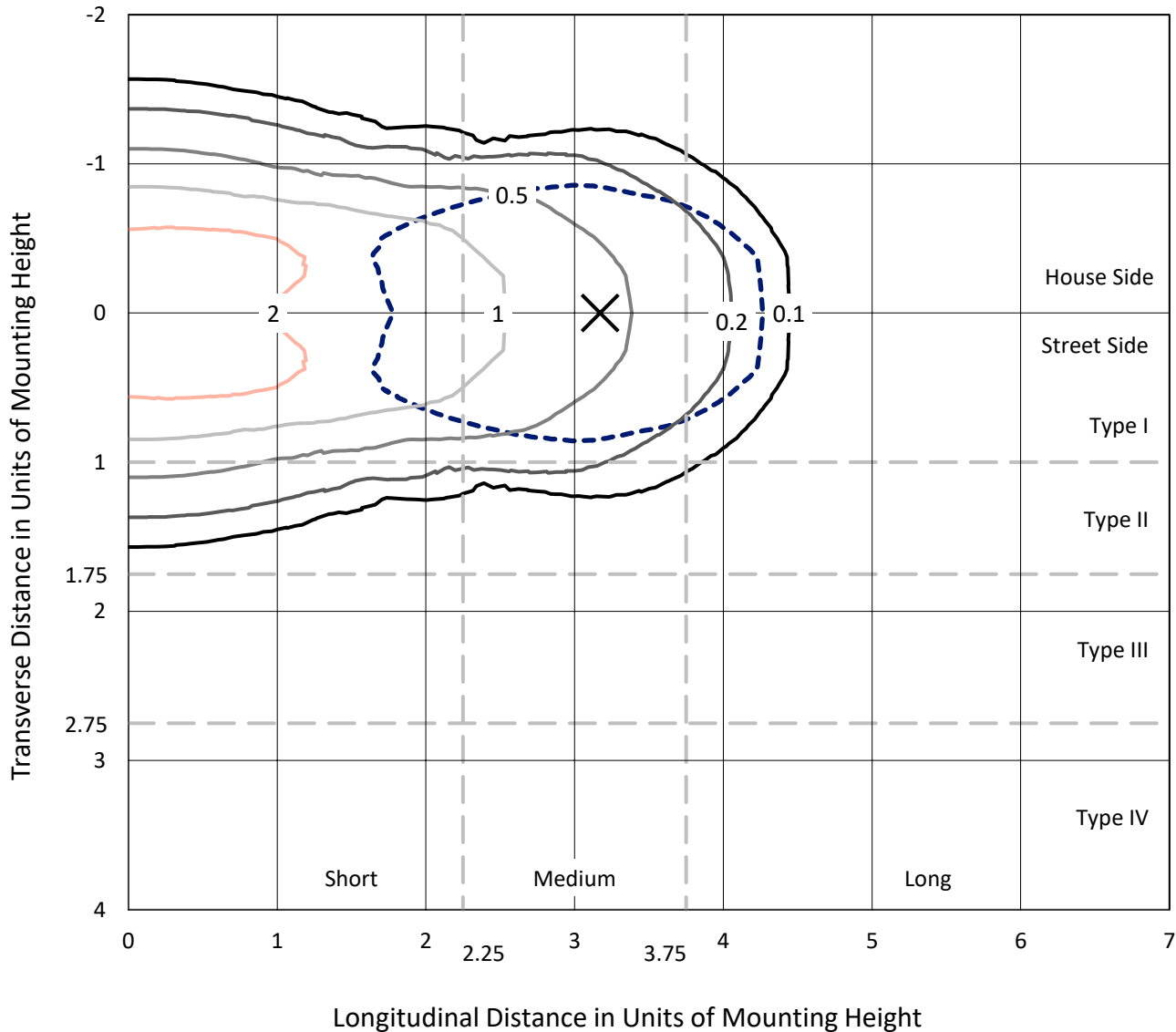
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

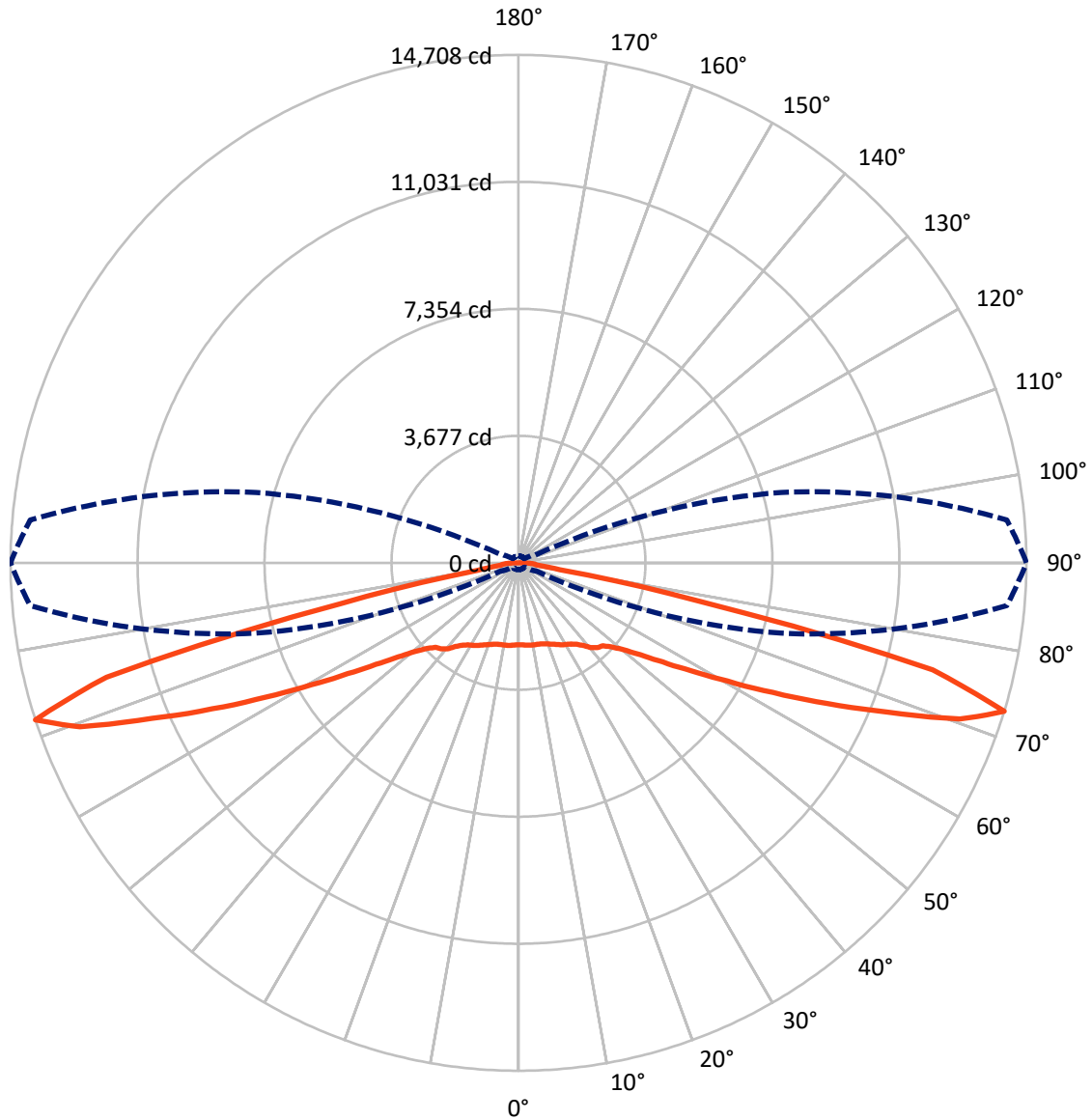
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	6361.0	0.0	6361.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6361.0	0.0	6361.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12722.0	0.0	12722.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.5	1.8
10°-20°	704.8	5.5
20°-30°	1175.2	9.2
30°-40°	1616.2	12.7
40°-50°	1973.8	15.5
50°-60°	2283.0	17.9
60°-70°	2722.0	21.4
70°-80°	1899.8	14.9
80°-90°	116.7	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°	12722.0	100.0
0°-180°	12722.0	100.0

**Coefficient of Utilization**



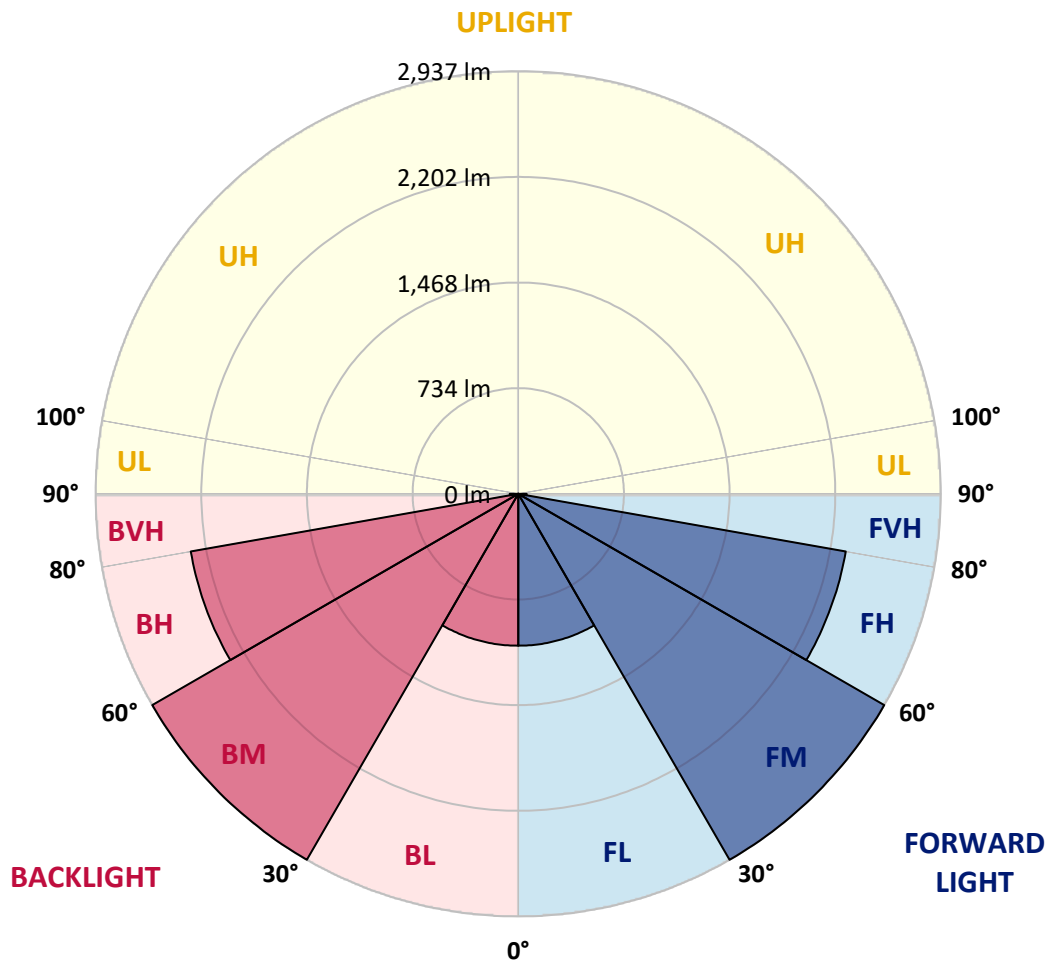
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.2	8.3			
FM (30°-60°)	2936.5	23.1			
FH (60°-80°)	2310.9	18.2			G2/5000
FVH (80°-90°)	58.3	0.5			G1/100
BL (0°-30°)	1055.2	8.3	B3/2500		
BM (30°-60°)	2936.5	23.1	B3/5000		
BH (60°-80°)	2310.9	18.2	B3/2500		G3/2500
BVH (80°-90°)	58.3	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°	2377.2	2377.2	2377.2	2377.2	2377.2	2377.2	2377.2	2377.2	2377.2	2377.2
2.5°	2379.3	2382.0	2382.0	2379.9	2384.7	2380.6	2380.6	2378.6	2380.6	2378.6
5°	2391.4	2394.8	2396.2	2395.5	2401.6	2398.2	2398.2	2395.5	2396.2	2394.1
7.5°	2414.4	2419.2	2421.9	2425.2	2434.0	2430.0	2427.3	2419.2	2415.8	2410.4
10°	2421.9	2427.3	2436.1	2453.6	2473.9	2474.6	2466.5	2446.2	2430.7	2418.5
12.5°	2398.9	2406.3	2424.6	2460.4	2505.7	2524.0	2511.1	2477.3	2446.9	2425.2
15°	2369.8	2377.9	2405.6	2459.7	2526.7	2569.3	2567.9	2523.3	2474.6	2440.8
17.5°	2324.5	2332.6	2372.5	2448.2	2542.9	2613.2	2632.1	2586.2	2517.9	2472.6
20°	2242.7	2250.1	2305.6	2411.7	2548.3	2659.9	2709.2	2668.6	2583.5	2521.9
22.5°	2136.5	2148.0	2212.9	2348.8	2535.5	2708.5	2797.1	2769.4	2659.9	2574.7
25°	2023.0	2035.1	2110.8	2271.8	2502.3	2743.7	2901.2	2883.7	2746.4	2640.3
27.5°	1924.9	1937.8	2020.2	2195.4	2450.9	2757.2	3004.0	3012.8	2851.2	2712.6
30°	1847.8	1860.0	1947.9	2133.8	2384.7	2743.7	3093.9	3154.8	2958.0	2775.5
32.5°	1763.3	1778.9	1871.5	2058.8	2306.2	2711.2	3172.4	3308.3	3081.8	2843.1
35°	1656.5	1670.7	1768.1	1956.0	2203.5	2659.2	3237.9	3478.6	3258.9	2945.9
37.5°	1526.7	1540.2	1636.9	1827.6	2101.4	2586.2	3288.0	3670.7	3469.9	3093.9
40°	1396.2	1409.0	1499.6	1684.2	1979.0	2492.9	3305.6	3858.6	3711.9	3297.4
42.5°	1276.5	1288.0	1371.2	1542.9	1841.8	2373.9	3282.6	4022.2	3928.9	3439.4
45°	1166.3	1176.4	1250.1	1410.4	1699.1	2229.2	3213.6	4198.0	4187.2	3540.8
47.5°	1040.5	1050.7	1127.1	1281.9	1556.4	2059.5	3096.6	4371.1	4546.2	3770.7
50°	887.1	895.9	974.3	1133.9	1408.4	1878.9	2934.4	4507.0	4999.2	4118.9
52.5°	705.2	714.7	791.1	950.6	1232.6	1684.9	2720.7	4595.6	5522.6	4627.4
55°	524.7	531.4	597.7	741.0	1014.9	1463.8	2453.0	4620.6	6116.2	5322.4
57.5°	380.7	384.7	427.3	534.1	769.4	1187.3	2127.8	4555.7	6822.7	6213.5
60°	308.3	309.7	322.5	369.8	534.8	874.9	1734.9	4332.6	7589.5	7362.3
62.5°	279.9	279.9	283.3	296.1	361.7	577.4	1259.6	3870.1	8411.6	8813.9
65°	260.3	260.3	261.7	267.7	285.3	367.8	795.1	3116.9	9104.6	10514.4
67.5°	242.7	243.4	242.7	244.8	254.9	271.8	461.1	2152.8	9477.9	12276.3
70°	224.5	225.8	222.4	222.4	230.6	231.2	288.7	1180.5	9168.2	13753.0
72.5°	202.8	204.9	199.5	198.1	204.2	201.5	217.0	566.6	7871.4	14193.8
75°	183.9	186.6	174.4	171.1	171.1	169.0	176.5	290.7	5108.8	11578.6
77.5°	167.0	172.4	152.8	142.0	139.3	133.2	144.0	177.8	2234.6	5436.0
80°	137.9	145.4	125.8	112.9	108.2	101.4	113.6	124.4	664.6	1262.3
82.5°	102.8	106.2	89.2	80.5	76.4	71.7	85.2	86.5	216.4	446.9
85°	65.6	66.9	54.8	47.3	45.3	43.3	54.1	47.3	82.5	328.6
87.5°	23.0	26.4	21.0	18.9	20.3	16.9	25.0	14.2	23.0	231.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2377.2  
2378.6  
2394.1  
2410.4  
2416.5  
2421.9  
2435.4  
2465.1  
2510.4  
2559.1  
2618.6  
2689.6  
2742.3  
2801.2  
2899.2  
3031.7  
3231.2  
3354.2  
3425.9  
3638.2  
3952.6  
4422.5  
5066.2  
5891.0  
6955.9  
8269.6  
9826.1  
11533.3  
13557.6  
14707.7  
12384.5  
5323.1  
1208.9  
505.1  
477.3  
287.4  
0.0

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