

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: P847064

Luminaire Tested: **GLAN-SB3A-727-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847064
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-SB3A-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11841 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

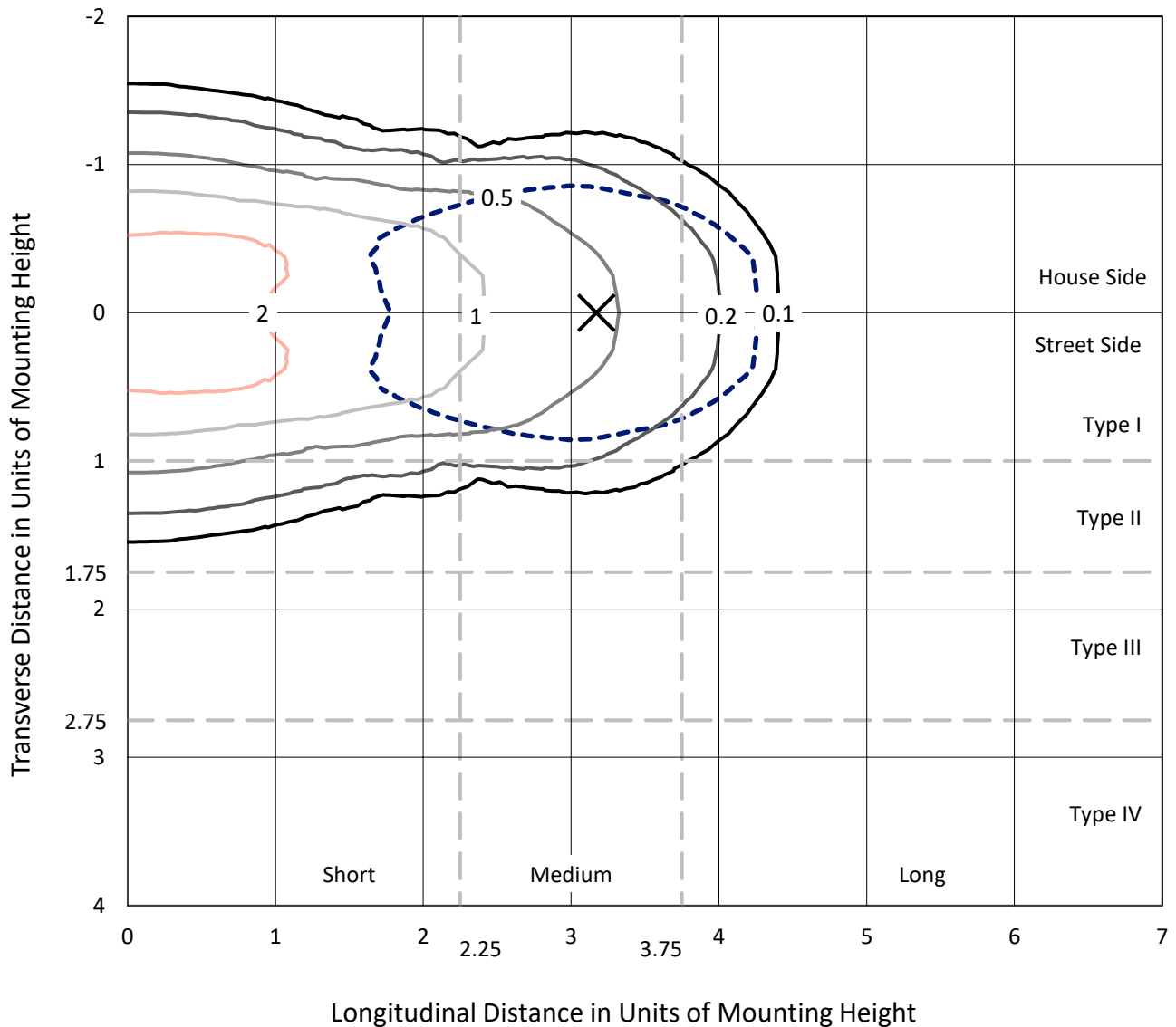
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

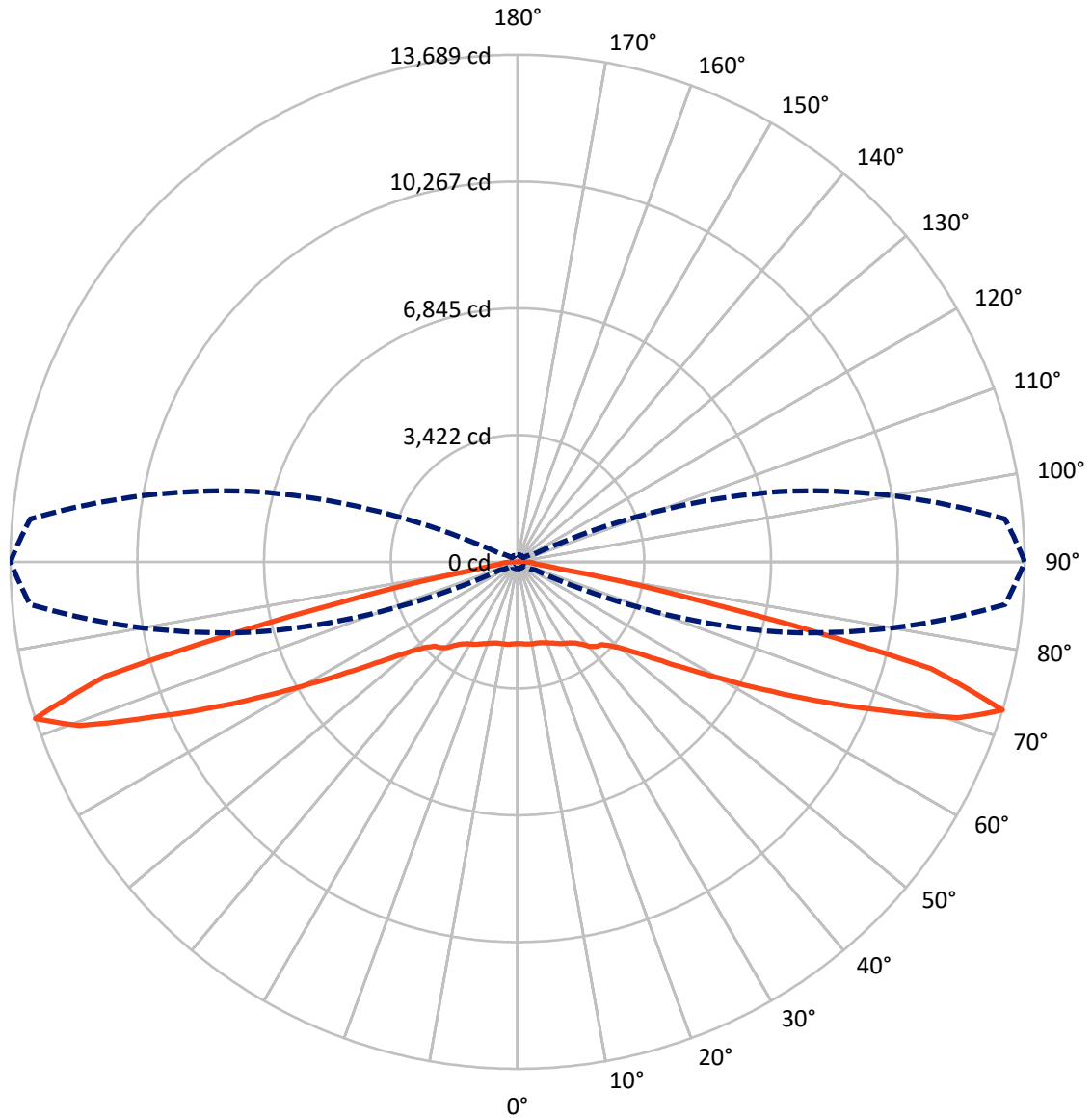
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	5920.5	0.0	5920.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5920.5	0.0	5920.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11841.0	0.0	11841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.5	1.8
10°-20°	656.0	5.5
20°-30°	1093.8	9.2
30°-40°	1504.3	12.7
40°-50°	1837.1	15.5
50°-60°	2124.8	17.9
60°-70°	2533.5	21.4
70°-80°	1768.2	14.9
80°-90°	108.6	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°	11841.0	100.0
0°-180°	11841.0	100.0

Coefficient of Utilization



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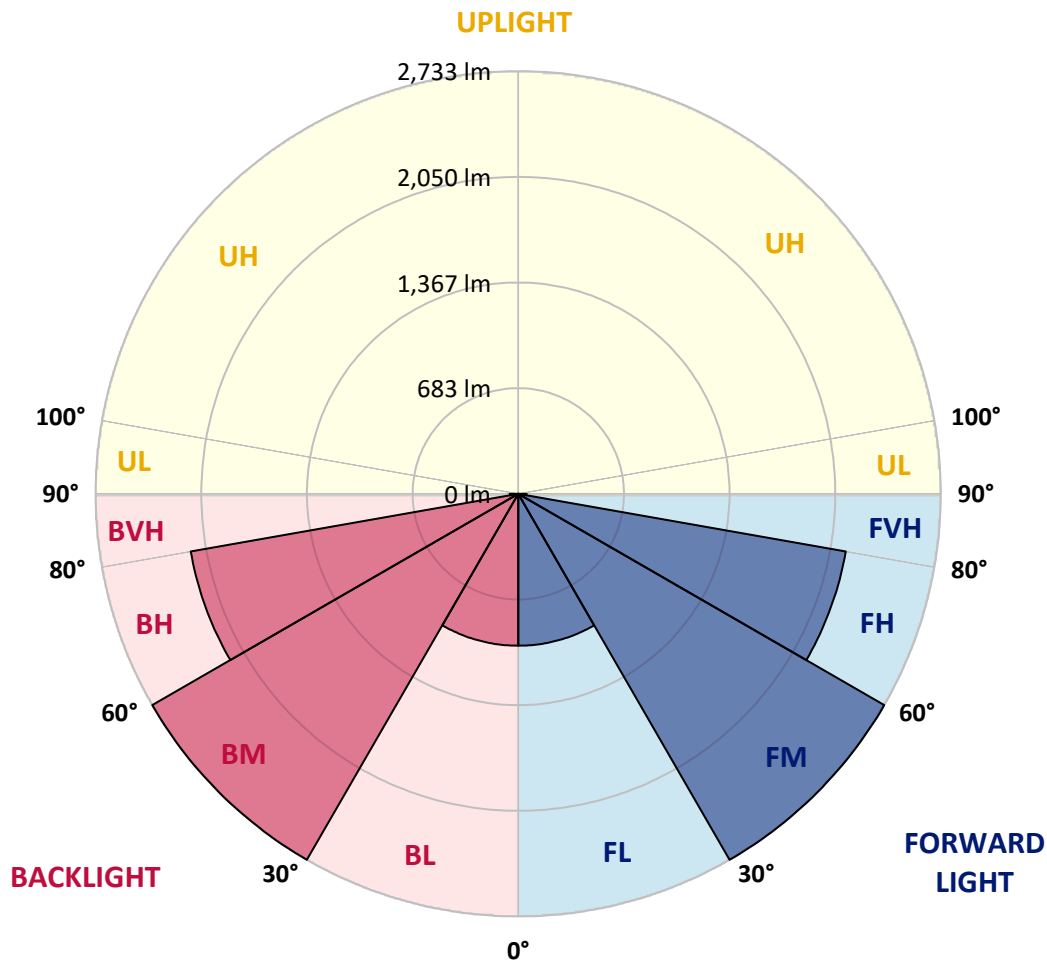
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	982.2	8.3			
FM (30°-60°)	2733.1	23.1			
FH (60°-80°)	2150.9	18.2			G2/5000
FVH (80°-90°)	54.3	0.5			G1/100
BL (0°-30°)	982.2	8.3	B2/1000		
BM (30°-60°)	2733.1	23.1	B3/5000		
BH (60°-80°)	2150.9	18.2	B3/2500		G3/2500
BVH (80°-90°)	54.3	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°	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6	2212.6
2.5°	2214.5	2217.0	2217.0	2215.1	2219.5	2215.8	2215.8	2213.9	2215.8	2213.9
5°	2225.8	2229.0	2230.2	2229.6	2235.3	2232.1	2232.1	2229.6	2230.2	2228.3
7.5°	2247.2	2251.6	2254.1	2257.3	2265.5	2261.7	2259.2	2251.6	2248.5	2243.5
10°	2254.1	2259.2	2267.4	2283.7	2302.6	2303.2	2295.7	2276.8	2262.3	2251.0
12.5°	2232.8	2239.7	2256.7	2290.0	2332.2	2349.2	2337.2	2305.8	2277.4	2257.3
15°	2205.7	2213.2	2239.0	2289.4	2351.7	2391.3	2390.1	2348.5	2303.2	2271.8
17.5°	2163.5	2171.1	2208.2	2278.7	2366.8	2432.2	2449.9	2407.1	2343.5	2301.3
20°	2087.4	2094.3	2145.9	2244.7	2371.8	2475.7	2521.6	2483.8	2404.6	2347.3
22.5°	1988.6	1999.3	2059.7	2186.2	2359.9	2521.0	2603.4	2577.6	2475.7	2396.4
25°	1882.9	1894.2	1964.7	2114.4	2329.0	2553.7	2700.3	2684.0	2556.2	2457.4
27.5°	1791.6	1803.6	1880.3	2043.3	2281.2	2566.3	2796.0	2804.2	2653.8	2524.7
30°	1719.9	1731.2	1813.0	1986.1	2219.5	2553.7	2879.7	2936.3	2753.2	2583.3
32.5°	1641.2	1655.7	1741.9	1916.2	2146.5	2523.5	2952.7	3079.2	2868.3	2646.2
35°	1541.8	1555.0	1645.6	1820.6	2050.9	2475.0	3013.7	3237.7	3033.2	2741.9
37.5°	1421.0	1433.5	1523.5	1701.0	1955.9	2407.1	3060.3	3416.5	3229.6	2879.7
40°	1299.5	1311.5	1395.8	1567.6	1842.0	2320.2	3076.6	3591.4	3454.9	3069.1
42.5°	1188.1	1198.8	1276.2	1436.1	1714.2	2209.5	3055.2	3743.7	3656.9	3201.2
45°	1085.5	1095.0	1163.6	1312.7	1581.4	2074.8	2991.1	3907.3	3897.2	3295.6
47.5°	968.5	977.9	1049.0	1193.2	1448.6	1916.8	2882.2	4068.4	4231.4	3509.6
50°	825.6	833.8	906.8	1055.3	1310.8	1748.8	2731.2	4194.9	4653.0	3833.7
52.5°	656.4	665.2	736.3	884.8	1147.2	1568.2	2532.3	4277.3	5140.1	4306.9
55°	488.3	494.6	556.3	689.7	944.6	1362.4	2283.1	4300.6	5692.6	4953.8
57.5°	354.3	358.1	397.7	497.1	716.1	1105.0	1980.4	4240.2	6350.3	5783.3
60°	287.0	288.2	300.2	344.2	497.8	814.3	1614.8	4032.5	7063.9	6852.4
62.5°	260.5	260.5	263.7	275.6	336.7	537.4	1172.4	3602.1	7829.1	8203.5
65°	242.3	242.3	243.5	249.2	265.6	342.3	740.1	2901.1	8474.1	9786.2
67.5°	225.9	226.5	225.9	227.8	237.2	253.0	429.2	2003.7	8821.5	11426.2
70°	208.9	210.2	207.0	207.0	214.6	215.2	268.7	1098.8	8533.3	12800.6
72.5°	188.8	190.7	185.6	184.4	190.0	187.5	202.0	527.4	7326.3	13210.9
75°	171.2	173.7	162.4	159.2	159.2	157.3	164.2	270.6	4755.0	10776.7
77.5°	155.4	160.5	142.2	132.2	129.6	124.0	134.0	165.5	2079.8	5059.6
80°	128.4	135.3	117.0	105.1	100.7	94.4	105.7	115.8	618.6	1174.9
82.5°	95.7	98.8	83.1	74.9	71.1	66.7	79.3	80.6	201.4	416.0
85°	61.0	62.3	51.0	44.1	42.2	40.3	50.3	44.1	76.8	305.8
87.5°	21.4	24.5	19.5	17.6	18.9	15.7	23.3	13.2	21.4	215.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2212.6
2213.9
2228.3
2243.5
2249.1
2254.1
2266.7
2294.4
2336.6
2381.9
2437.3
2503.4
2552.4
2607.2
2698.4
2821.8
3007.4
3122.0
3188.7
3386.3
3678.9
4116.2
4715.3
5483.1
6474.2
7697.0
9145.6
10734.6
12618.7
13689.1
11526.9
4954.5
1125.2
470.1
444.3
267.5
0.0

OF REPORT)