

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: P847124

Luminaire Tested: **GLAN-SB3A-827-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847124
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-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10616 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

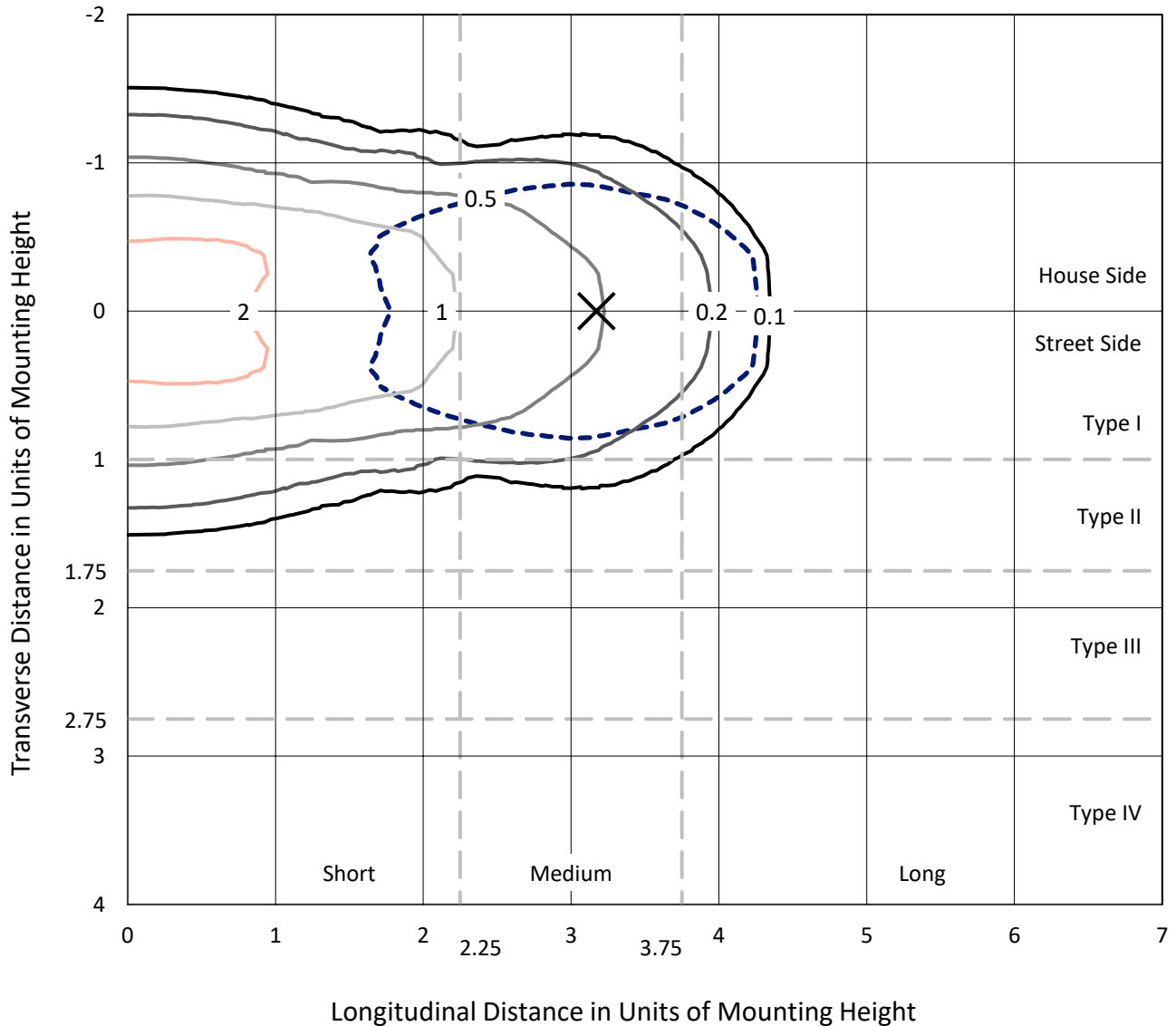
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

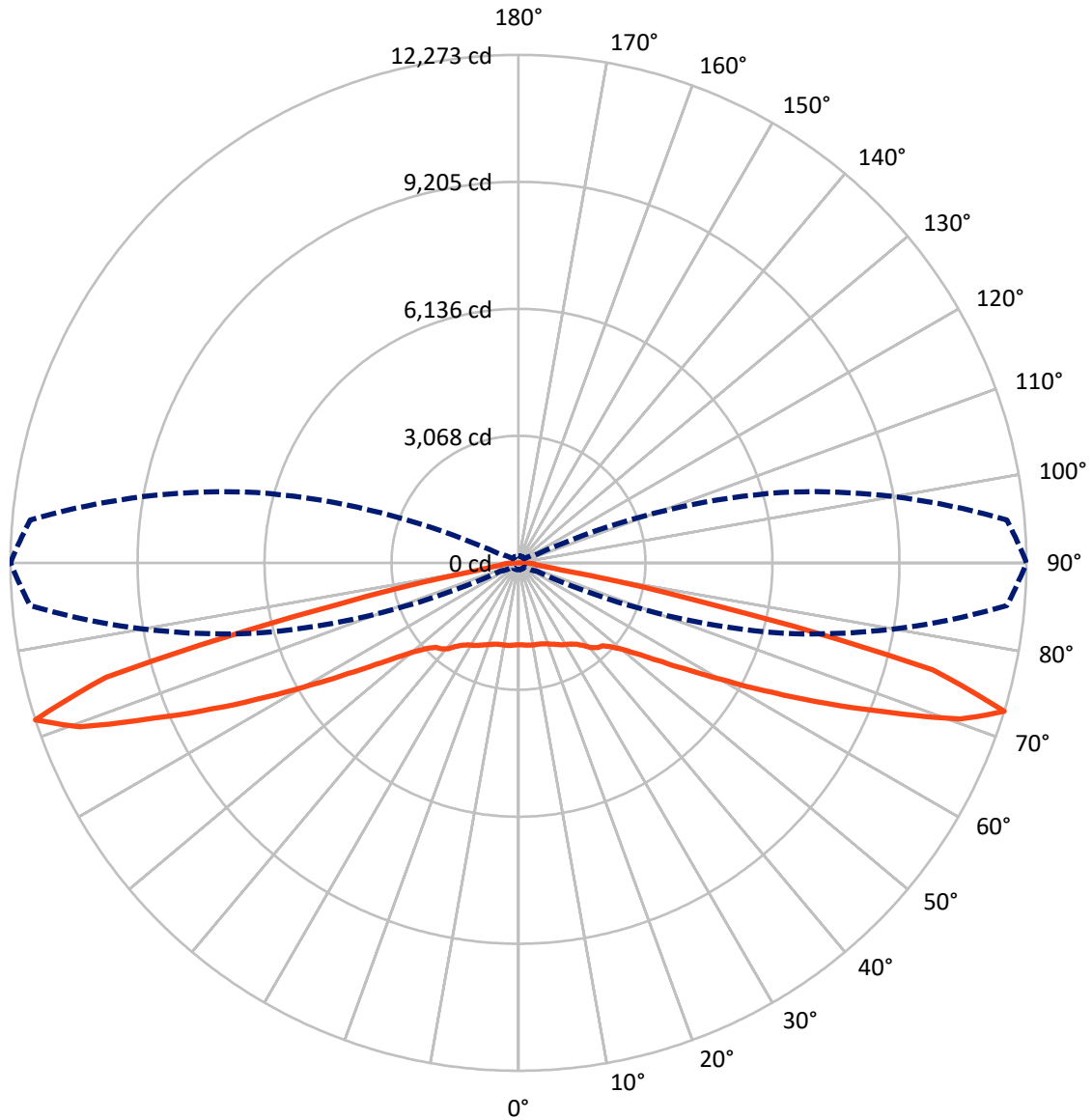
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	5308.0	0.0	5308.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5308.0	0.0	5308.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10616.0	0.0	10616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.3	1.8
10°-20°	588.1	5.5
20°-30°	980.6	9.2
30°-40°	1348.7	12.7
40°-50°	1647.1	15.5
50°-60°	1905.0	17.9
60°-70°	2271.4	21.4
70°-80°	1585.3	14.9
80°-90°	97.4	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°	10616.0	100.0
0°-180°	10616.0	100.0

Coefficient of Utilization



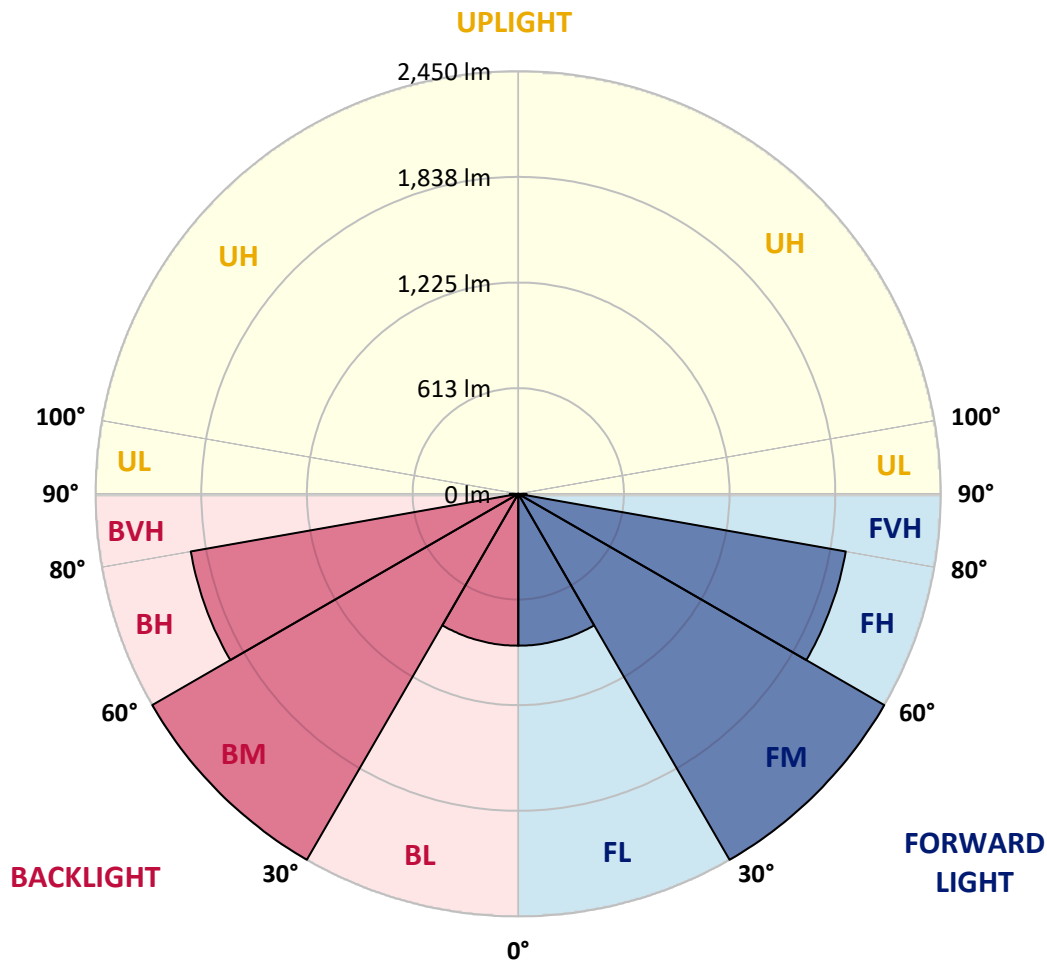
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	880.5	8.3			
FM (30°-60°)	2450.4	23.1			
FH (60°-80°)	1928.4	18.2			G2/5000
FVH (80°-90°)	48.7	0.5			G1/100
BL (0°-30°)	880.5	8.3	B2/1000		
BM (30°-60°)	2450.4	23.1	B2/2500		
BH (60°-80°)	1928.4	18.2	B3/2500		G3/2500
BVH (80°-90°)	48.7	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°	1983.7	1983.7	1983.7	1983.7	1983.7	1983.7	1983.7	1983.7	1983.7	1983.7
2.5°	1985.4	1987.7	1987.7	1986.0	1989.9	1986.5	1986.5	1984.8	1986.5	1984.8
5°	1995.6	1998.4	1999.5	1998.9	2004.0	2001.2	2001.2	1998.9	1999.5	1997.8
7.5°	2014.7	2018.7	2020.9	2023.8	2031.1	2027.7	2025.5	2018.7	2015.9	2011.4
10°	2020.9	2025.5	2032.8	2047.5	2064.4	2065.0	2058.2	2041.3	2028.3	2018.1
12.5°	2001.8	2008.0	2023.2	2053.1	2090.9	2106.1	2095.4	2067.2	2041.8	2023.8
15°	1977.5	1984.3	2007.4	2052.5	2108.4	2143.9	2142.8	2105.6	2065.0	2036.7
17.5°	1939.7	1946.5	1979.8	2043.0	2121.9	2180.6	2196.4	2158.0	2101.1	2063.3
20°	1871.4	1877.6	1923.9	2012.5	2126.5	2219.5	2260.7	2226.9	2155.8	2104.4
22.5°	1782.9	1792.4	1846.6	1960.0	2115.7	2260.2	2334.1	2310.9	2219.5	2148.5
25°	1688.1	1698.2	1761.4	1895.7	2088.1	2289.5	2421.0	2406.3	2291.8	2203.2
27.5°	1606.3	1617.0	1685.8	1831.9	2045.2	2300.8	2506.7	2514.1	2379.2	2263.6
30°	1541.9	1552.1	1625.4	1780.6	1989.9	2289.5	2581.8	2632.5	2468.4	2316.0
32.5°	1471.4	1484.4	1561.7	1718.0	1924.5	2262.4	2647.2	2760.6	2571.6	2372.4
35°	1382.3	1394.1	1475.4	1632.2	1838.7	2219.0	2701.9	2902.8	2719.4	2458.2
37.5°	1274.0	1285.2	1365.9	1525.0	1753.5	2158.0	2743.7	3063.0	2895.5	2581.8
40°	1165.1	1175.8	1251.4	1405.4	1651.4	2080.2	2758.4	3219.9	3097.4	2751.6
42.5°	1065.2	1074.8	1144.2	1287.5	1536.9	1980.9	2739.2	3356.4	3278.5	2870.1
45°	973.2	981.7	1043.2	1176.9	1417.8	1860.2	2681.6	3503.1	3494.1	2954.7
47.5°	868.3	876.8	940.5	1069.7	1298.8	1718.5	2584.0	3647.5	3793.7	3146.5
50°	740.2	747.6	813.0	946.2	1175.2	1567.9	2448.6	3760.9	4171.7	3437.1
52.5°	588.5	596.4	660.1	793.3	1028.5	1406.0	2270.3	3834.8	4608.3	3861.4
55°	437.8	443.5	498.7	618.4	846.9	1221.5	2046.9	3855.7	5103.7	4441.3
57.5°	317.6	321.0	356.6	445.7	642.1	990.7	1775.5	3801.5	5693.3	5185.0
60°	257.3	258.4	269.1	308.6	446.3	730.1	1447.7	3615.4	6333.1	6143.5
62.5°	233.6	233.6	236.4	247.1	301.8	481.8	1051.1	3229.5	7019.2	7354.9
65°	217.2	217.2	218.3	223.4	238.1	306.9	663.5	2600.9	7597.5	8773.8
67.5°	202.5	203.1	202.5	204.2	212.7	226.8	384.8	1796.4	7908.9	10244.1
70°	187.3	188.4	185.6	185.6	192.4	193.0	240.9	985.1	7650.5	11476.3
72.5°	169.3	171.0	166.4	165.3	170.4	168.1	181.1	472.8	6568.4	11844.2
75°	153.5	155.7	145.6	142.7	142.7	141.0	147.3	242.6	4263.1	9661.8
77.5°	139.4	143.9	127.5	118.5	116.2	111.1	120.2	148.4	1864.7	4536.1
80°	115.1	121.3	104.9	94.2	90.3	84.6	94.8	103.8	554.6	1053.4
82.5°	85.8	88.6	74.5	67.1	63.8	59.8	71.1	72.2	180.5	372.9
85°	54.7	55.9	45.7	39.5	37.8	36.1	45.1	39.5	68.8	274.2
87.5°	19.2	22.0	17.5	15.8	16.9	14.1	20.9	11.8	19.2	193.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1983.7
1984.8
1997.8
2011.4
2016.4
2020.9
2032.2
2057.1
2094.9
2135.5
2185.1
2244.4
2288.4
2337.5
2419.3
2529.9
2696.3
2799.0
2858.8
3035.9
3298.3
3690.4
4227.5
4915.8
5804.4
6900.7
8199.5
9624.0
11313.2
12272.9
10334.4
4441.9
1008.8
421.5
398.3
239.8
0.0

OF REPORT)