

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: P846574

Luminaire Tested: **GLAN-SB2B-735-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846574
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-SB2B-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10932 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

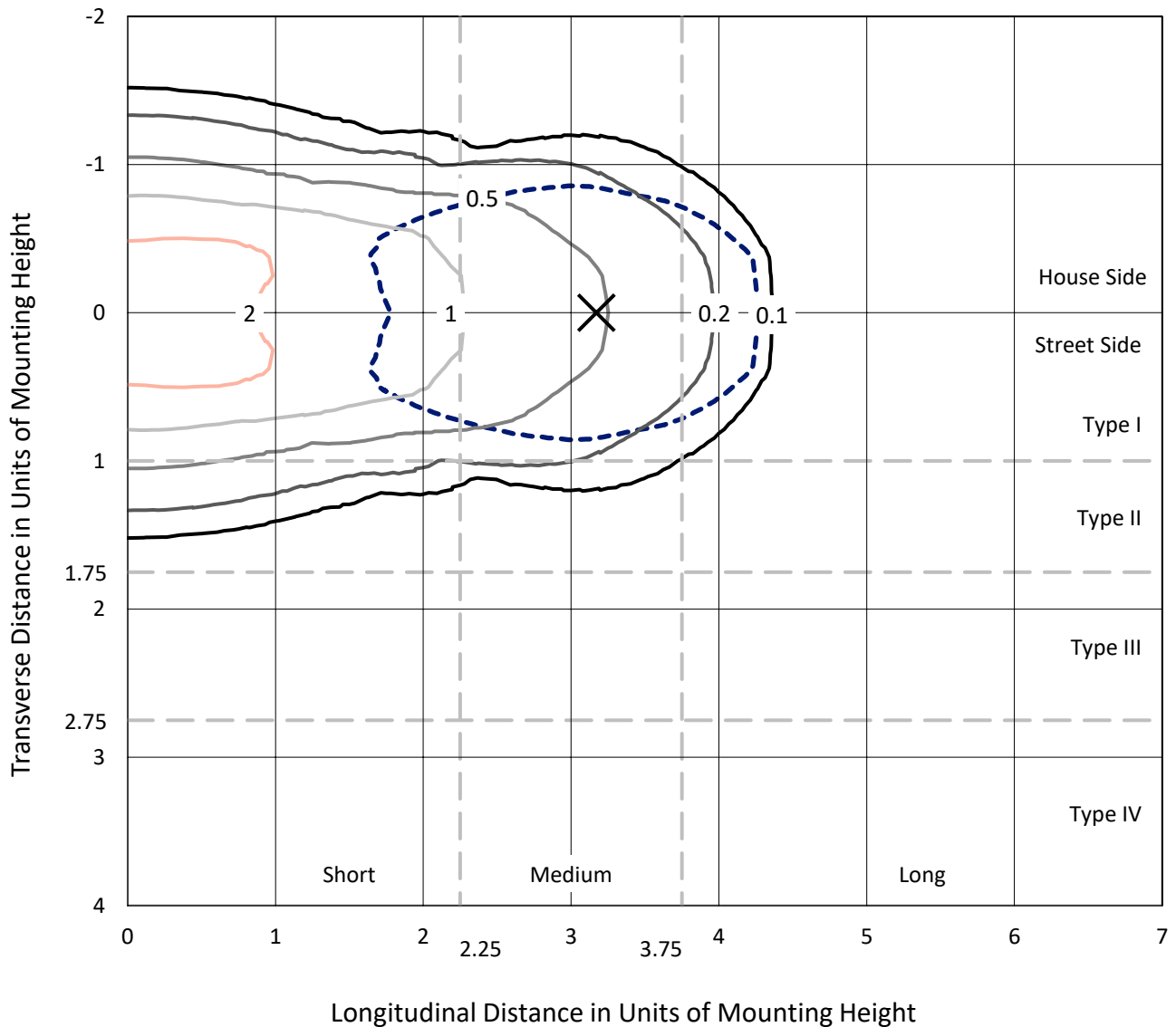
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

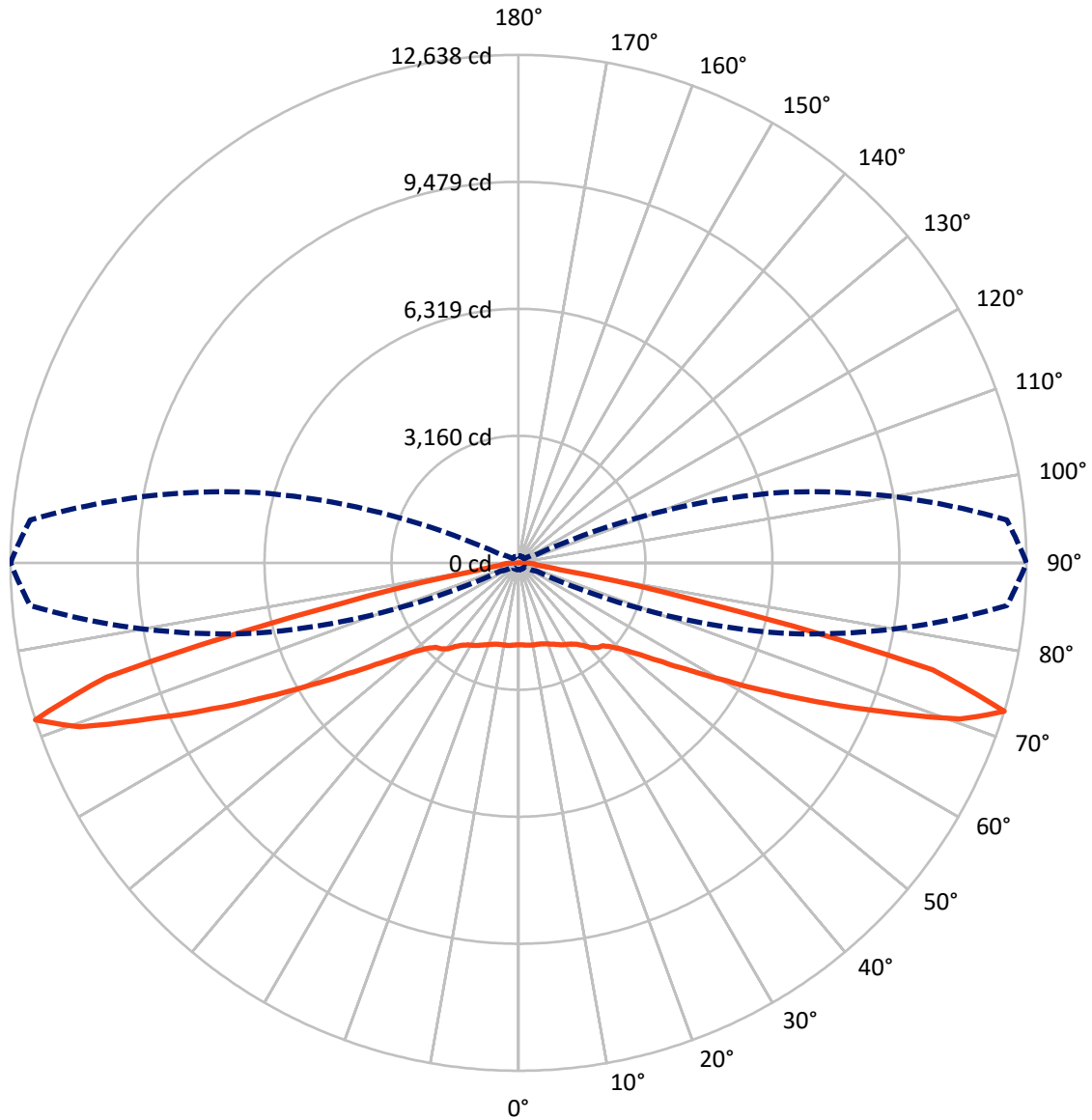
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	5466.0	0.0	5466.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5466.0	0.0	5466.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10932.0	0.0	10932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.1	1.8
10°-20°	605.6	5.5
20°-30°	1009.8	9.2
30°-40°	1388.8	12.7
40°-50°	1696.1	15.5
50°-60°	1961.7	17.9
60°-70°	2339.1	21.4
70°-80°	1632.5	14.9
80°-90°	100.3	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°	10932.0	100.0
0°-180°	10932.0	100.0

Coefficient of Utilization



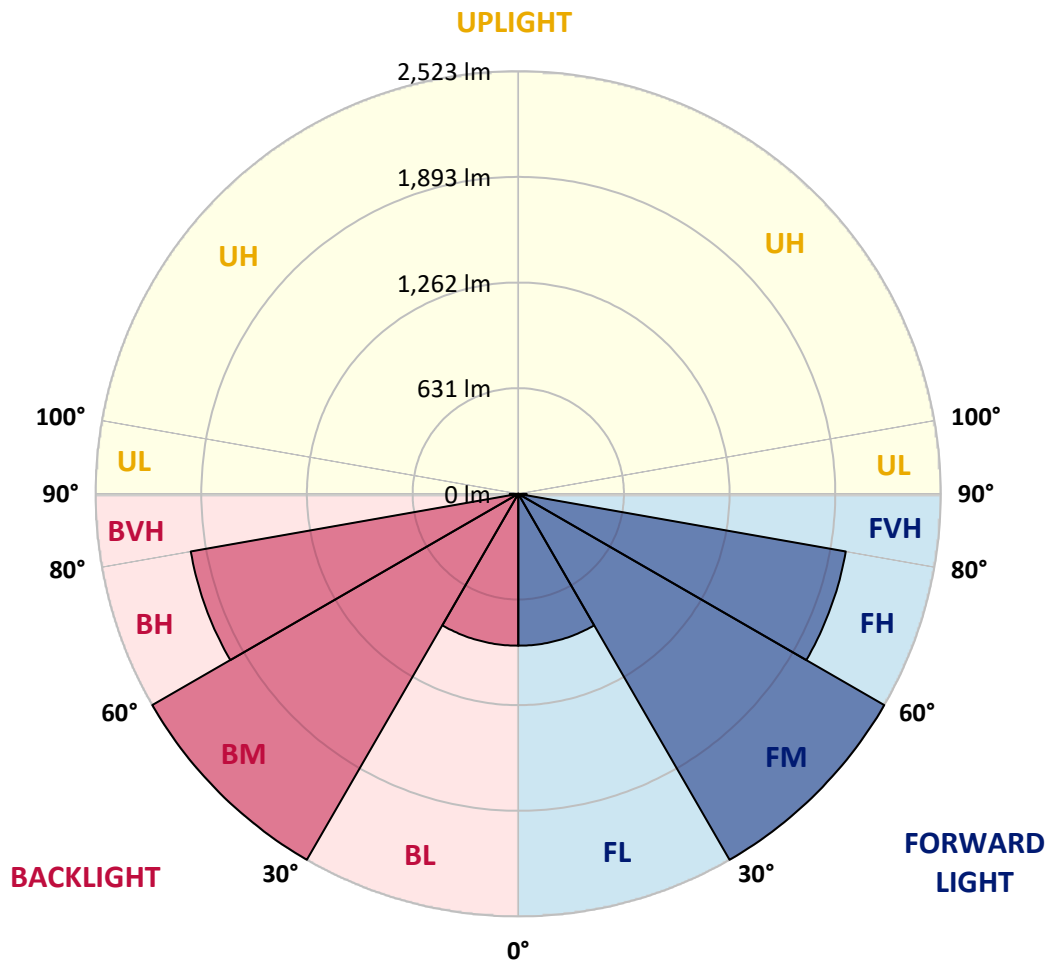
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	906.8	8.3			
FM (30°-60°)	2523.3	23.1			
FH (60°-80°)	1985.8	18.2			G2/5000
FVH (80°-90°)	50.1	0.5			G1/100
BL (0°-30°)	906.8	8.3	B2/1000		
BM (30°-60°)	2523.3	23.1	B3/5000		
BH (60°-80°)	1985.8	18.2	B3/2500		G3/2500
BVH (80°-90°)	50.1	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°	2042.8	2042.8	2042.8	2042.8	2042.8	2042.8	2042.8	2042.8	2042.8	2042.8
2.5°	2044.5	2046.8	2046.8	2045.1	2049.2	2045.7	2045.7	2043.9	2045.7	2043.9
5°	2055.0	2057.9	2059.0	2058.4	2063.7	2060.8	2060.8	2058.4	2059.0	2057.3
7.5°	2074.7	2078.8	2081.1	2084.0	2091.6	2088.1	2085.8	2078.8	2075.9	2071.2
10°	2081.1	2085.8	2093.3	2108.4	2125.8	2126.4	2119.5	2102.0	2088.7	2078.2
12.5°	2061.4	2067.7	2083.4	2114.2	2153.1	2168.8	2157.8	2128.7	2102.6	2084.0
15°	2036.4	2043.3	2067.2	2113.6	2171.2	2207.8	2206.6	2168.3	2126.4	2097.4
17.5°	1997.4	2004.4	2038.7	2103.8	2185.1	2245.5	2261.8	2222.3	2163.6	2124.7
20°	1927.1	1933.5	1981.2	2072.4	2189.7	2285.6	2328.0	2293.2	2220.0	2167.1
22.5°	1835.9	1845.8	1901.6	2018.4	2178.7	2327.4	2403.6	2379.7	2285.6	2212.4
25°	1738.3	1748.8	1813.8	1952.1	2150.2	2357.7	2493.0	2477.9	2360.0	2268.8
27.5°	1654.1	1665.1	1736.0	1886.5	2106.1	2369.3	2581.3	2588.9	2450.0	2330.9
30°	1587.8	1598.3	1673.8	1833.6	2049.2	2357.7	2658.6	2710.9	2541.8	2385.0
32.5°	1515.2	1528.6	1608.2	1769.1	1981.8	2329.8	2726.0	2842.8	2648.2	2443.1
35°	1423.4	1435.6	1519.3	1680.8	1893.4	2285.0	2782.4	2989.2	2800.4	2531.4
37.5°	1311.9	1323.5	1406.6	1570.4	1805.7	2222.3	2825.4	3154.2	2981.6	2658.6
40°	1199.7	1210.8	1288.6	1447.2	1700.6	2142.1	2840.5	3315.7	3189.6	2833.5
42.5°	1096.9	1106.8	1178.2	1325.8	1582.6	2039.9	2820.7	3456.3	3376.1	2955.5
45°	1002.2	1010.9	1074.2	1211.9	1460.0	1915.5	2761.4	3607.4	3598.1	3042.6
47.5°	894.1	902.9	968.5	1101.6	1337.4	1769.7	2660.9	3756.1	3906.6	3240.2
50°	762.3	769.8	837.2	974.3	1210.2	1614.6	2521.5	3872.9	4295.8	3539.4
52.5°	606.0	614.1	679.8	816.9	1059.1	1447.8	2337.9	3949.0	4745.5	3976.3
55°	450.8	456.7	513.6	636.8	872.1	1257.8	2107.8	3970.5	5255.6	4573.6
57.5°	327.1	330.6	367.2	459.0	661.2	1020.2	1828.4	3914.7	5862.8	5339.3
60°	264.9	266.1	277.1	317.8	459.6	751.8	1490.8	3723.0	6521.6	6326.4
62.5°	240.5	240.5	243.4	254.5	310.8	496.2	1082.4	3325.6	7228.1	7573.8
65°	223.7	223.7	224.8	230.1	245.2	316.1	683.2	2678.4	7823.6	9035.0
67.5°	208.6	209.2	208.6	210.3	219.0	233.6	396.2	1849.9	8144.3	10549.0
70°	192.9	194.1	191.1	191.1	198.1	198.7	248.1	1014.4	7878.2	11817.9
72.5°	174.3	176.0	171.4	170.2	175.5	173.1	186.5	486.9	6763.9	12196.7
75°	158.0	160.4	149.9	147.0	147.0	145.2	151.6	249.8	4390.0	9949.4
77.5°	143.5	148.2	131.3	122.0	119.7	114.5	123.8	152.8	1920.2	4671.2
80°	118.5	124.9	108.1	97.0	93.0	87.1	97.6	106.9	571.1	1084.7
82.5°	88.3	91.2	76.7	69.1	65.7	61.6	73.2	74.4	185.9	384.0
85°	56.4	57.5	47.1	40.7	38.9	37.2	46.5	40.7	70.9	282.4
87.5°	19.8	22.7	18.0	16.3	17.4	14.5	21.5	12.2	19.8	199.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

2042.8
2043.9
2057.3
2071.2
2076.5
2081.1
2092.7
2118.3
2157.2
2199.0
2250.2
2311.2
2356.5
2407.0
2491.3
2605.2
2776.5
2882.3
2943.9
3126.3
3396.5
3800.3
4353.4
5062.2
5977.2
7106.1
8443.5
9910.5
11650.0
12638.3
10642.0
4574.1
1038.8
434.0
410.2
246.9
0.0

OF REPORT)