

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: P882635

Luminaire Tested: **NVN-SB2C-835-U-T1**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P882635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB2C-835-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12740 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

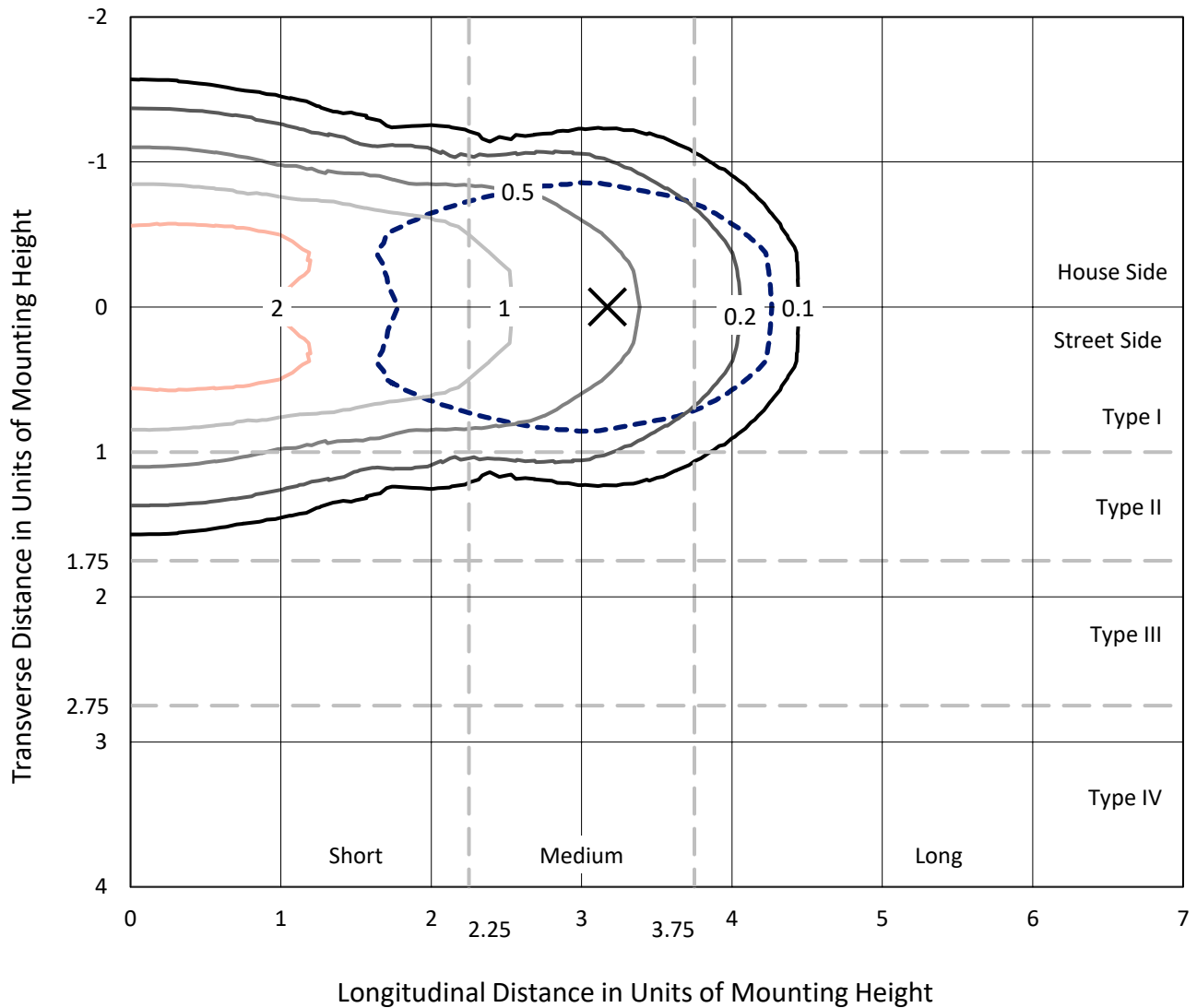
Input Watts (W): 100.9
Input Voltage (V): 120.0
Input Current (Ain): 0.857
Voltage Rise (V): NR
Power Factor: 0.994
Total Harmonic Distortion (THDi): 9.472
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

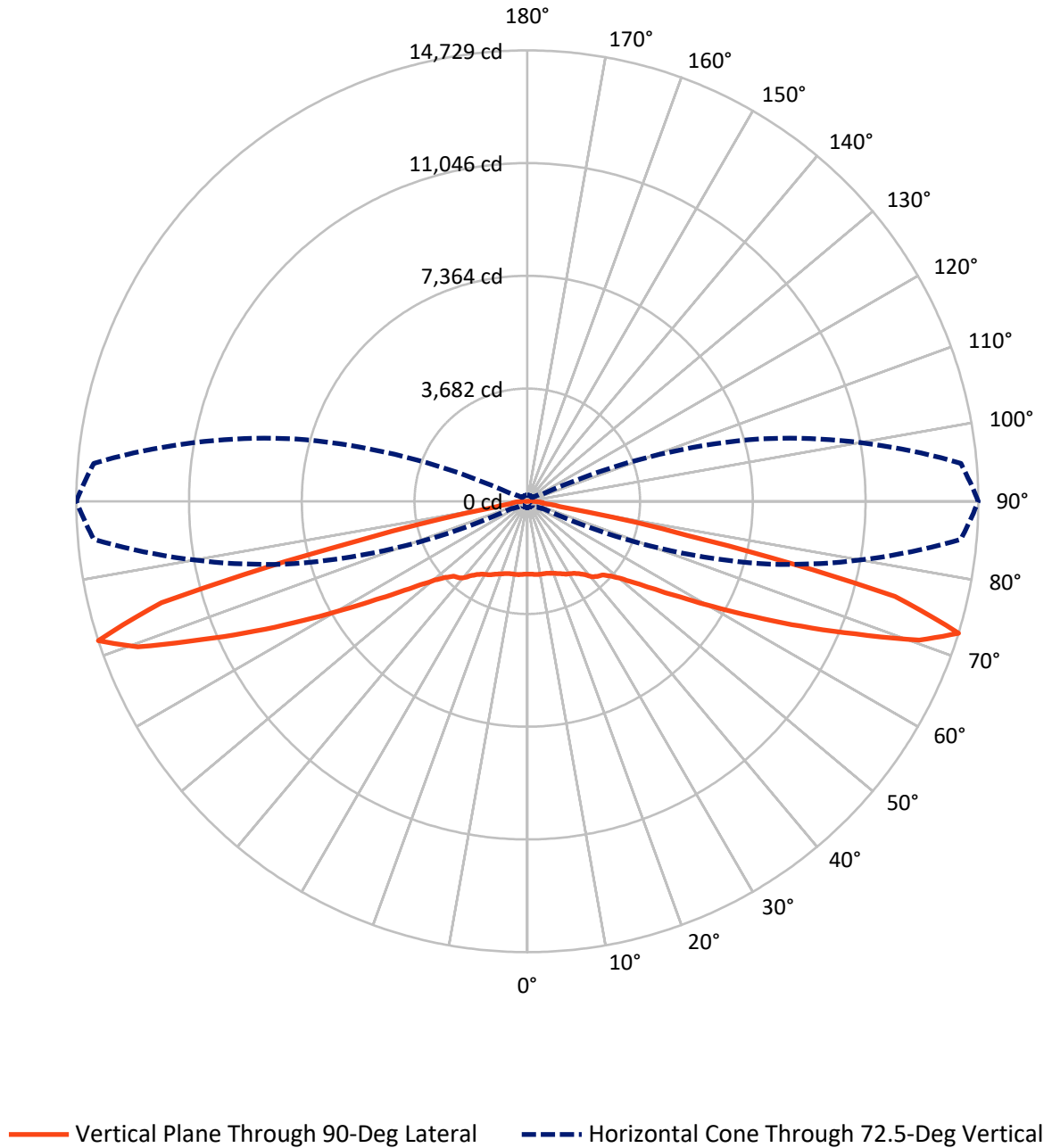
✕ Max cd
 - - - 1/2 Max cd



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



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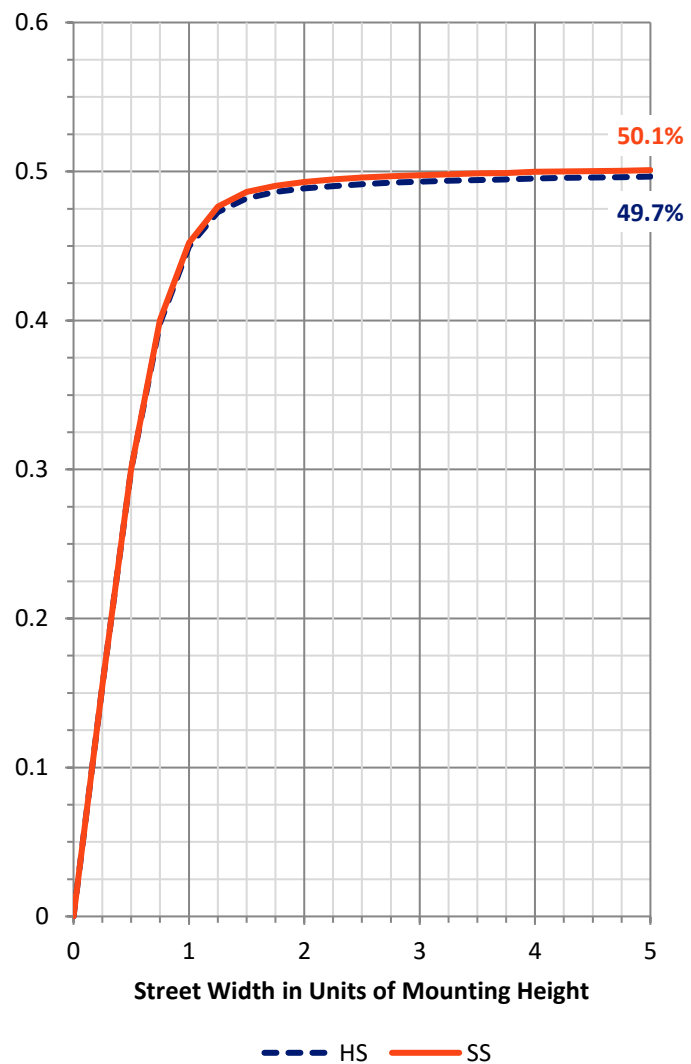
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6370.0	0.0	6370.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6370.0	0.0	6370.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12740.0	0.0	12740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.8	1.8
10°-20°	705.8	5.5
20°-30°	1176.8	9.2
30°-40°	1618.5	12.7
40°-50°	1976.6	15.5
50°-60°	2286.2	17.9
60°-70°	2725.9	21.4
70°-80°	1902.5	14.9
80°-90°	116.9	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°	12740.0	100.0
0°-180°	12740.0	100.0

Coefficient of Utilization



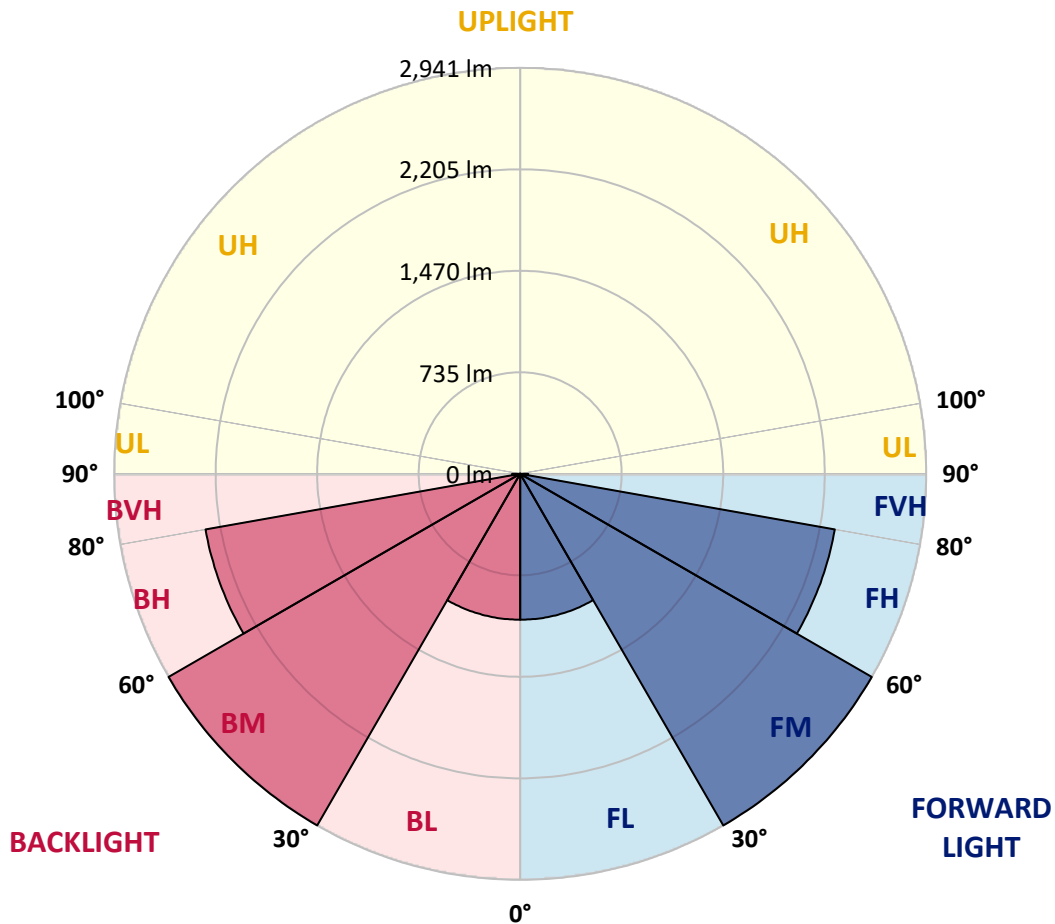
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1056.7	8.3			
FM (30°-60°)	2940.7	23.1			
FH (60°-80°)	2314.2	18.2			G2/5000
FVH (80°-90°)	58.4	0.5			G1/100
BL (0°-30°)	1056.7	8.3	B3/2500		
BM (30°-60°)	2940.7	23.1	B3/5000		
BH (60°-80°)	2314.2	18.2	B3/2500		G3/2500
BVH (80°-90°)	58.4	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°	90°
0°	2380.6	2380.6	2380.6	2380.6	2380.6	2380.6	2380.6	2380.6	2380.6	2380.6	2380.6
2.5°	2382.6	2385.3	2385.3	2383.3	2388.1	2384.0	2384.0	2382.0	2384.0	2382.0	2382.0
5°	2394.8	2398.2	2399.6	2398.9	2405.0	2401.6	2401.6	2398.9	2399.6	2397.5	2397.5
7.5°	2417.8	2422.6	2425.3	2428.7	2437.5	2433.4	2430.7	2422.6	2419.2	2413.8	2413.8
10°	2425.3	2430.7	2439.5	2457.1	2477.4	2478.1	2470.0	2449.7	2434.1	2421.9	2419.9
12.5°	2402.3	2409.7	2428.0	2463.9	2509.2	2527.5	2514.7	2480.8	2450.3	2428.7	2425.3
15°	2373.2	2381.3	2409.0	2463.2	2530.2	2572.9	2571.5	2526.9	2478.1	2444.2	2438.8
17.5°	2327.8	2335.9	2375.9	2451.7	2546.5	2616.9	2635.9	2589.8	2521.4	2476.1	2468.6
20°	2245.9	2253.3	2308.8	2415.1	2551.9	2663.6	2713.0	2672.4	2587.1	2525.5	2514.0
22.5°	2139.6	2151.1	2216.1	2352.2	2539.0	2712.4	2801.1	2773.3	2663.6	2578.3	2562.7
25°	2025.8	2038.0	2113.8	2275.0	2505.9	2747.6	2905.3	2887.7	2750.3	2644.0	2622.3
27.5°	1927.6	1940.5	2023.1	2198.5	2454.4	2761.1	3008.3	3017.1	2855.2	2716.4	2693.4
30°	1850.5	1862.6	1950.7	2136.9	2388.1	2747.6	3098.3	3159.2	2962.2	2779.4	2746.2
32.5°	1765.8	1781.4	1874.1	2061.7	2309.5	2715.1	3176.8	3312.9	3086.1	2847.1	2805.1
35°	1658.8	1673.1	1770.6	1958.8	2206.6	2662.9	3242.5	3483.6	3263.5	2950.0	2903.3
37.5°	1528.8	1542.4	1639.2	1830.1	2104.4	2589.8	3292.6	3675.9	3474.8	3098.3	3036.0
40°	1398.2	1411.0	1501.8	1686.6	1981.8	2496.4	3310.2	3864.1	3717.2	3302.1	3235.8
42.5°	1278.3	1289.8	1373.1	1545.1	1844.4	2377.2	3287.2	4027.9	3934.5	3444.3	3359.0
45°	1168.0	1178.1	1251.9	1412.4	1701.5	2232.3	3218.1	4204.0	4193.1	3545.9	3430.8
47.5°	1042.0	1052.2	1128.7	1283.7	1558.6	2062.4	3101.0	4377.3	4552.7	3776.1	3643.4
50°	888.3	897.1	975.7	1135.5	1410.4	1881.6	2938.5	4513.4	5006.3	4124.8	3958.2
52.5°	706.2	715.7	792.2	952.0	1234.3	1687.3	2724.6	4602.1	5530.4	4633.9	4428.8
55°	525.4	532.2	598.5	742.1	1016.3	1465.9	2456.4	4627.1	6124.8	5330.0	5073.3
57.5°	381.2	385.3	427.9	534.9	770.5	1188.9	2130.8	4562.1	6832.4	6222.3	5899.4
60°	308.7	310.1	323.0	370.4	535.6	876.1	1737.4	4338.7	7600.2	7372.7	6965.8
62.5°	280.3	280.3	283.7	296.6	362.2	578.2	1261.4	3875.6	8423.5	8826.4	8281.3
65°	260.7	260.7	262.0	268.1	285.7	368.3	796.2	3121.3	9117.5	10529.2	9840.0
67.5°	243.1	243.7	243.1	245.1	255.3	272.2	461.8	2155.8	9491.3	12293.7	11549.6
70°	224.8	226.1	222.8	222.8	230.9	231.6	289.1	1182.2	9181.2	13772.4	13576.8
72.5°	203.1	205.2	199.7	198.4	204.5	201.8	217.3	567.4	7882.5	14213.9	14728.5
75°	184.2	186.9	174.7	171.3	171.3	169.3	176.7	291.1	5116.0	11594.9	12402.0
77.5°	167.2	172.7	153.0	142.2	139.5	133.4	144.2	178.1	2237.7	5443.7	5330.6
80°	138.1	145.6	125.9	113.1	108.3	101.6	113.7	124.6	665.6	1264.1	1210.6
82.5°	102.9	106.3	89.4	80.6	76.5	71.8	85.3	86.7	216.7	447.5	505.8
85°	65.7	67.0	54.8	47.4	45.4	43.3	54.2	47.4	82.6	329.1	478.0
87.5°	23.0	26.4	21.0	19.0	20.3	16.9	25.1	14.2	23.0	232.2	287.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)