

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: P883482

Luminaire Tested: **NVN-SB3D-835-U-5WQ**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P883482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB3D-835-U-5WQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26050 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

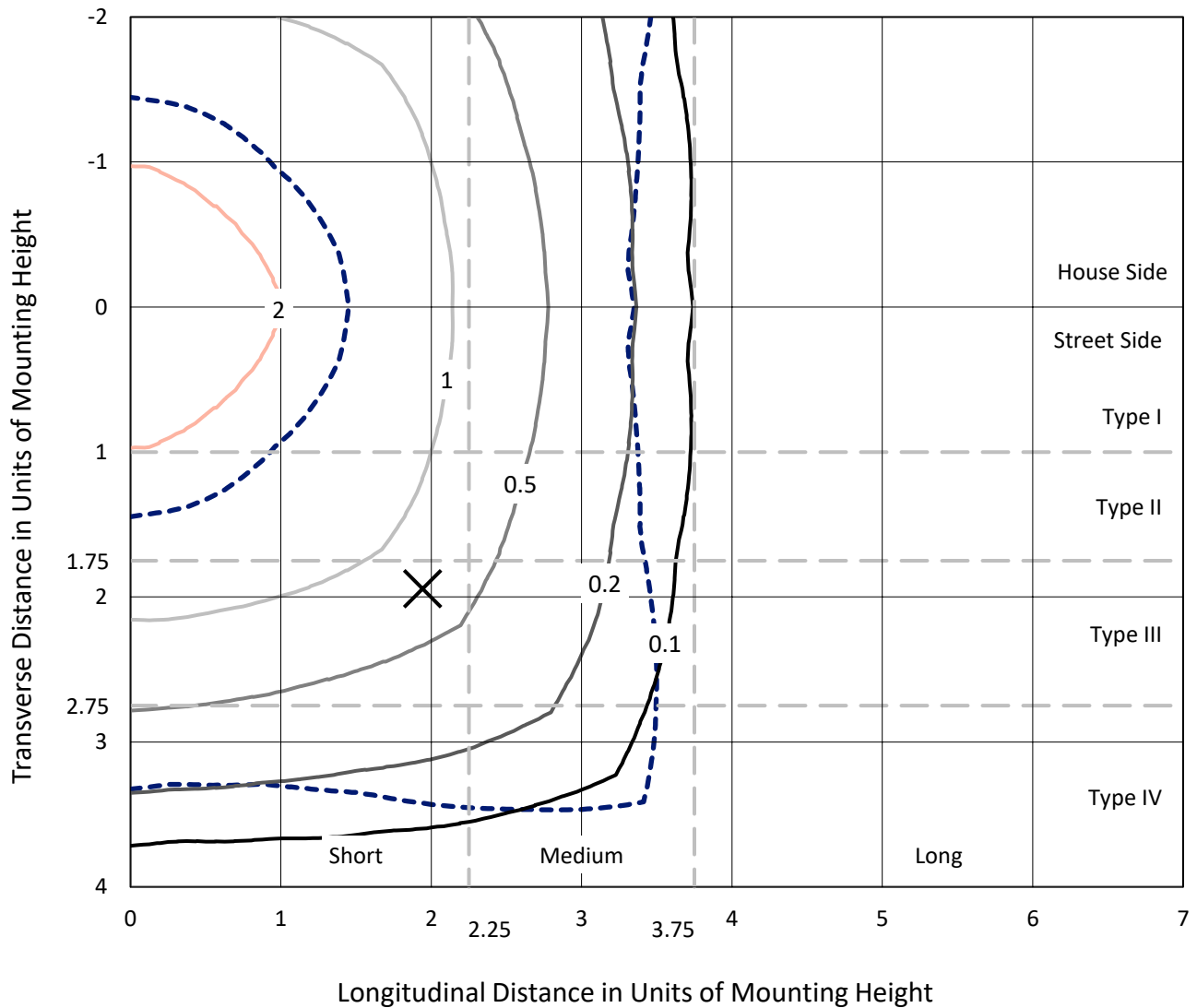
Input Watts (W): 218.1
Input Voltage (V): 120.0
Input Current (Ain): 1.84
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 2.542
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

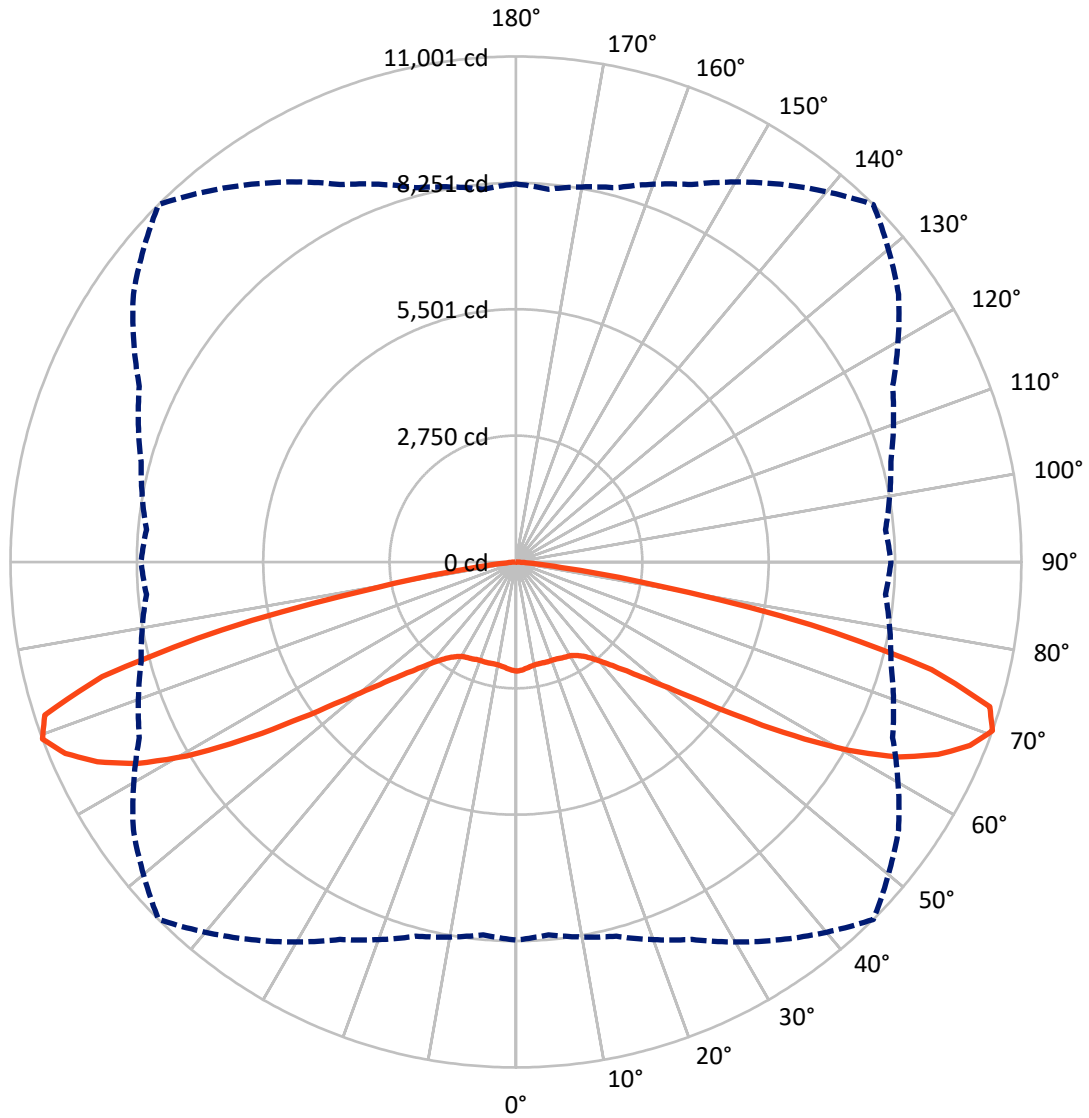
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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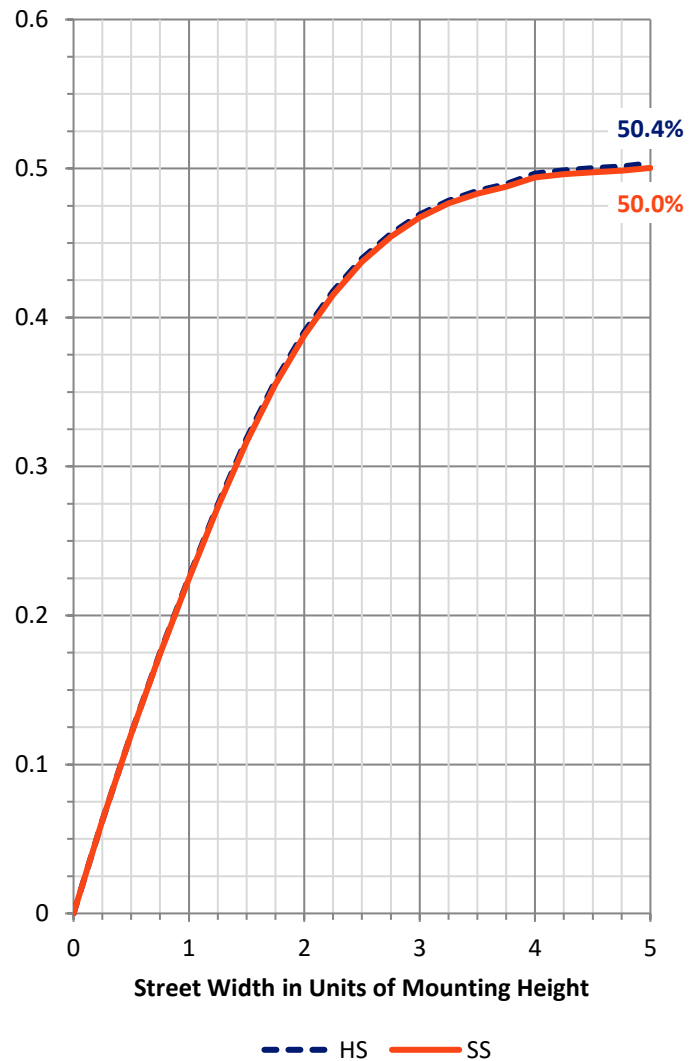
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13025.0	0.0	13025.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13025.0	0.0	13025.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26050.0	0.0	26050.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	0.8
10°-20°	649.1	2.5
20°-30°	1080.1	4.1
30°-40°	1633.5	6.3
40°-50°	2714.5	10.4
50°-60°	5122.1	19.7
60°-70°	8648.8	33.2
70°-80°	5683.2	21.8
80°-90°	297.7	1.1
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°	26050.0	100.0
0°-180°	26050.0	100.0



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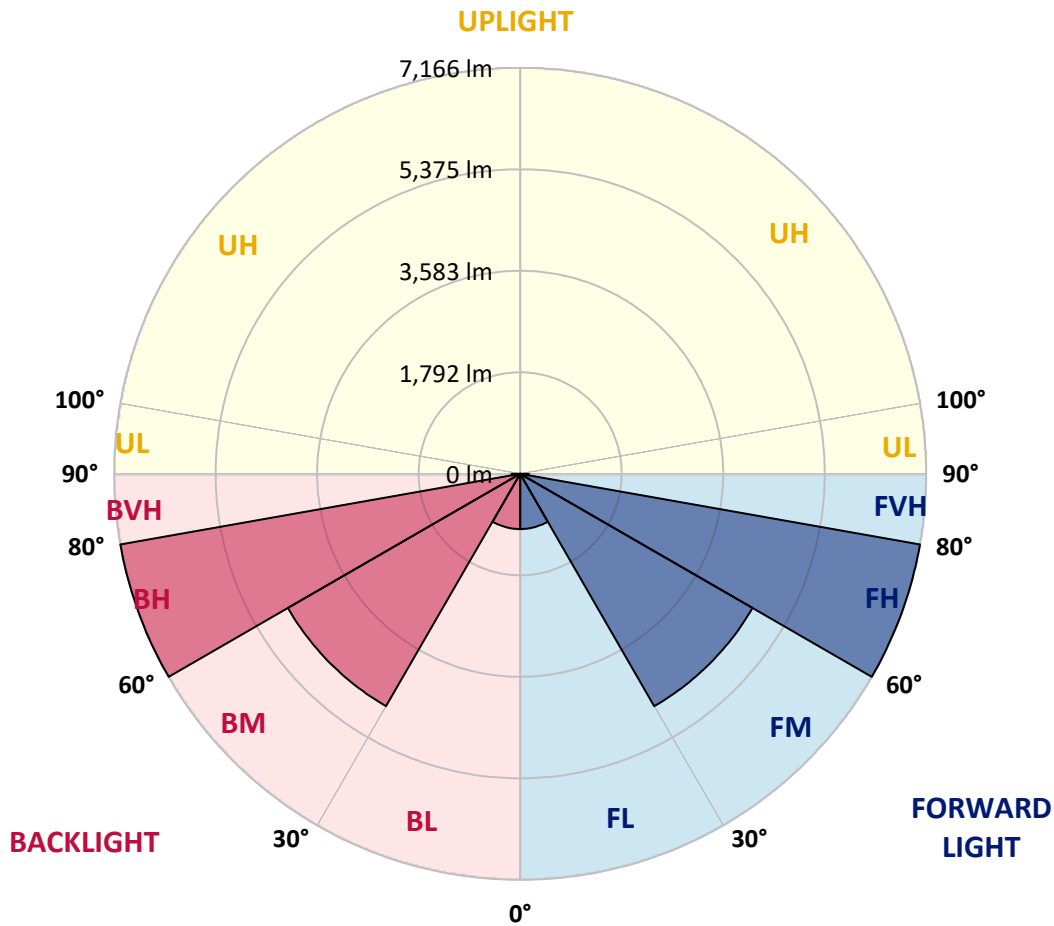
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	975.1	3.7			
FM (30°-60°)	4735.0	18.2			
FH (60°-80°)	7166.0	27.5			G3/7500
FVH (80°-90°)	148.9	0.6			G2/225
BL (0°-30°)	975.1	3.7	B2/1000		
BM (30°-60°)	4735.0	18.2	B3/5000		
BH (60°-80°)	7166.0	27.5	B5		G3/7500
BVH (80°-90°)	148.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2376.3	2376.3	2376.3	2376.3	2376.3	2376.3	2376.3	2376.3	2376.3	2376.3	2376.3
2.5°	2361.4	2368.2	2365.5	2360.0	2360.0	2356.0	2360.0	2362.7	2366.8	2369.5	2368.2
5°	2330.2	2335.7	2334.3	2330.2	2331.6	2327.5	2330.2	2334.3	2337.0	2338.4	2338.4
7.5°	2303.2	2308.6	2305.9	2299.1	2299.1	2295.0	2296.4	2300.5	2304.5	2305.9	2305.9
10°	2296.4	2301.8	2293.7	2282.9	2278.8	2273.4	2274.7	2278.8	2286.9	2291.0	2291.0
12.5°	2299.1	2303.2	2295.0	2278.8	2274.7	2269.3	2269.3	2273.4	2284.2	2289.6	2291.0
15°	2307.2	2311.3	2299.1	2281.5	2277.4	2273.4	2272.0	2277.4	2289.6	2299.1	2300.5
17.5°	2322.1	2326.2	2307.2	2282.9	2277.4	2278.8	2277.4	2281.5	2300.5	2318.1	2318.1
20°	2335.7	2338.4	2312.6	2282.9	2277.4	2278.8	2277.4	2285.6	2309.9	2334.3	2335.7
22.5°	2339.7	2342.4	2318.1	2292.3	2288.3	2289.6	2288.3	2296.4	2319.4	2343.8	2343.8
25°	2341.1	2345.1	2326.2	2305.9	2312.6	2315.4	2312.6	2314.0	2331.6	2353.3	2351.9
27.5°	2361.4	2366.8	2349.2	2331.6	2335.7	2334.3	2338.4	2342.4	2356.0	2377.6	2372.2
30°	2403.4	2407.4	2392.5	2374.9	2372.2	2362.7	2374.9	2388.5	2403.4	2422.3	2418.3
32.5°	2472.4	2480.5	2461.6	2442.6	2430.4	2425.0	2434.5	2457.5	2477.8	2498.1	2490.0
35°	2587.5	2592.9	2575.3	2540.1	2518.5	2518.5	2526.6	2556.4	2588.9	2614.6	2605.1
37.5°	2750.0	2756.8	2725.6	2683.6	2651.1	2651.1	2662.0	2693.1	2741.9	2778.4	2764.9
40°	2947.7	2957.2	2917.9	2874.6	2843.4	2838.0	2851.5	2886.7	2932.8	2978.8	2963.9
42.5°	3186.0	3196.8	3145.4	3107.4	3083.1	3083.1	3089.8	3122.3	3164.3	3221.2	3217.1
45°	3490.6	3509.6	3439.2	3401.3	3378.3	3383.7	3387.7	3416.2	3454.1	3519.1	3516.4
47.5°	3853.5	3872.5	3798.0	3758.7	3754.7	3780.4	3764.1	3784.5	3804.8	3879.2	3857.6
50°	4265.1	4297.6	4246.2	4243.5	4251.6	4299.0	4261.1	4271.9	4248.9	4296.3	4267.8
52.5°	4768.8	4816.2	4806.7	4823.0	4913.7	5011.2	4924.5	4886.6	4800.0	4814.9	4764.8
55°	5379.5	5451.2	5464.8	5562.3	5768.1	5967.1	5783.0	5630.0	5445.8	5412.0	5359.2
57.5°	6074.1	6130.9	6195.9	6395.0	6779.5	7132.9	6779.5	6441.0	6151.3	6082.2	6033.5
60°	6821.5	6891.9	6954.2	7248.0	7819.4	8316.3	7808.6	7271.0	6887.8	6794.4	6713.2
62.5°	7624.4	7715.1	7758.5	8084.8	8751.0	9344.0	8760.4	8109.2	7684.0	7583.8	7502.6
65°	8394.9	8469.3	8518.1	8866.0	9502.4	10096.8	9545.8	8904.0	8466.6	8335.3	8270.3
67.5°	8753.7	8794.3	8913.4	9307.5	9979.0	10657.4	10092.8	9349.4	8860.6	8630.4	8633.2
70°	8228.3	8145.7	8432.8	9063.7	10035.9	11001.3	10165.9	9044.8	8446.3	8072.6	8162.0
72.5°	6358.4	6216.3	6714.5	7793.7	9386.0	10782.0	9451.0	7854.6	7024.6	6266.4	6454.6
75°	3459.5	3298.4	3986.2	5351.0	7485.0	9345.4	7656.9	5504.0	4438.4	3433.8	3657.2
77.5°	976.2	915.3	1470.5	2588.9	4502.1	6561.5	4675.4	2645.7	1744.0	1034.5	1149.6
80°	299.2	289.8	392.7	779.9	1911.9	3142.7	1837.4	789.4	499.6	315.5	333.1
82.5°	177.4	162.5	195.0	284.3	487.4	987.1	473.9	296.5	238.3	159.8	173.3
85°	101.6	94.8	115.1	138.1	163.8	209.9	136.8	140.8	127.3	85.3	89.4
87.5°	42.0	37.9	44.7	43.3	37.9	48.7	36.6	43.3	51.5	33.9	31.1
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)