

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: P964984

Luminaire Tested: **NVN-SB3D-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB3D-722-U-5MQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27074.3 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

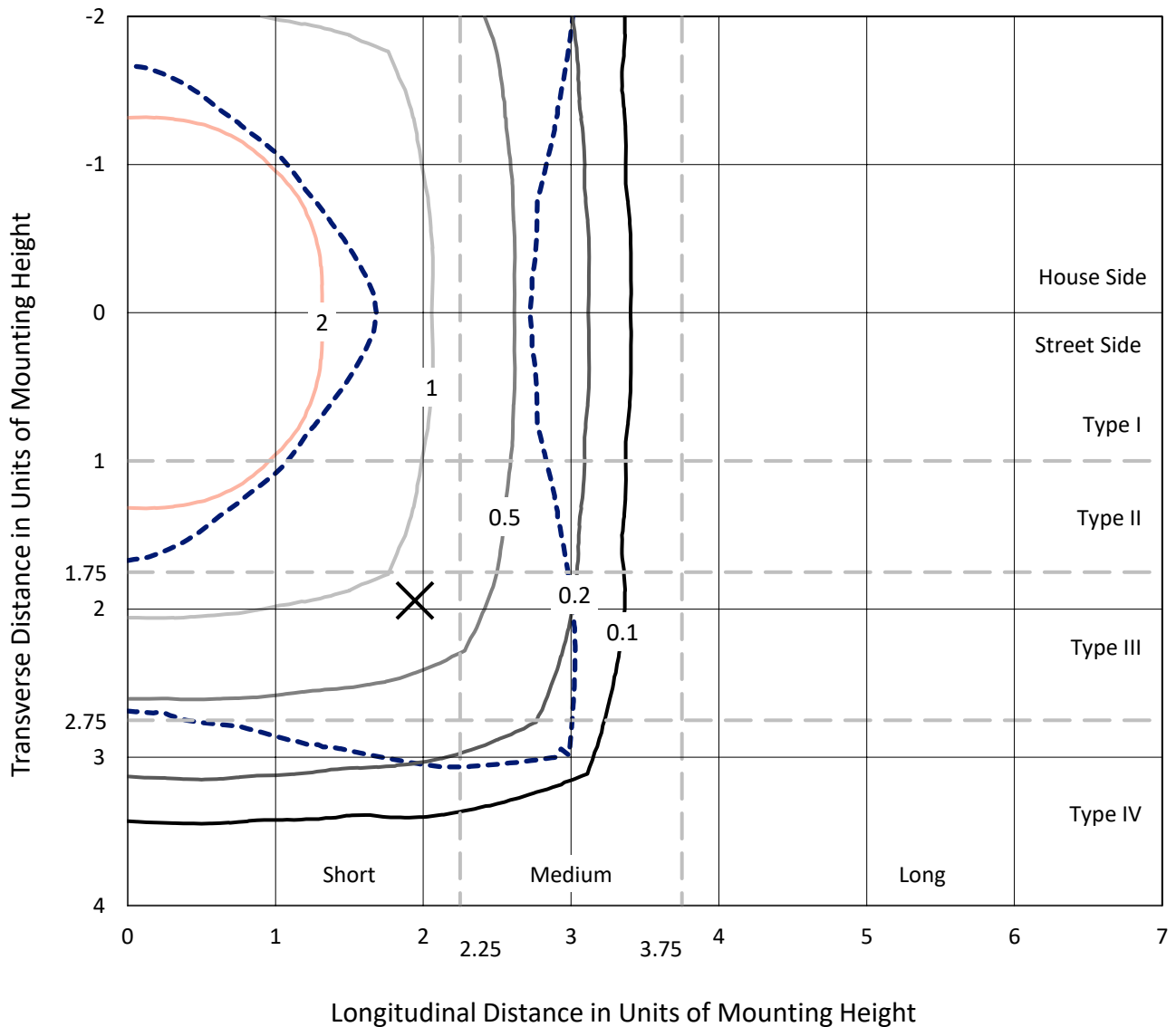
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

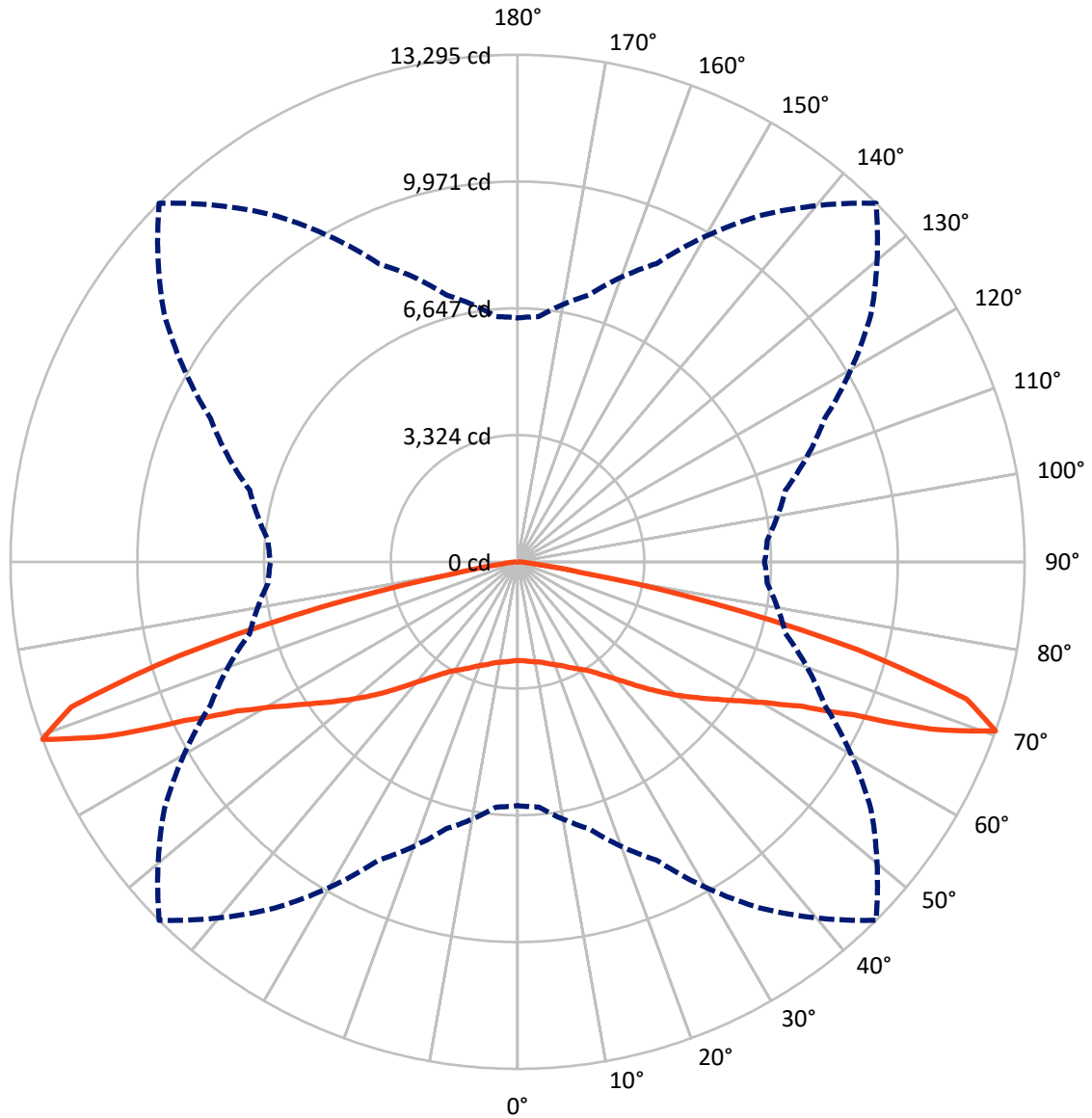
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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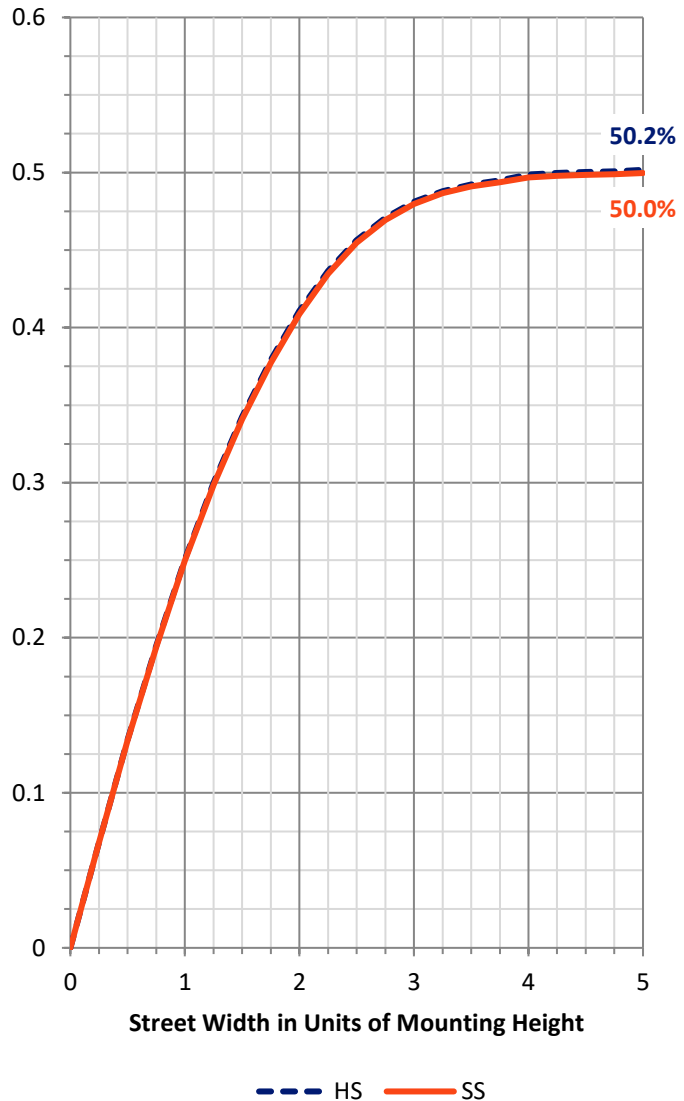
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13537.2	0.0	13537.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13537.2	0.0	13537.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	27074.3	0.0	27074.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.0	0.9
10°-20°	781.3	2.9
20°-30°	1396.2	5.2
30°-40°	2263.3	8.4
40°-50°	3686.5	13.6
50°-60°	5620.7	20.8
60°-70°	8361.8	30.9
70°-80°	4557.4	16.8
80°-90°	155.2	0.6
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°	27074.3	100.0
0°-180°	27074.3	100.0

Coefficient of Utilization



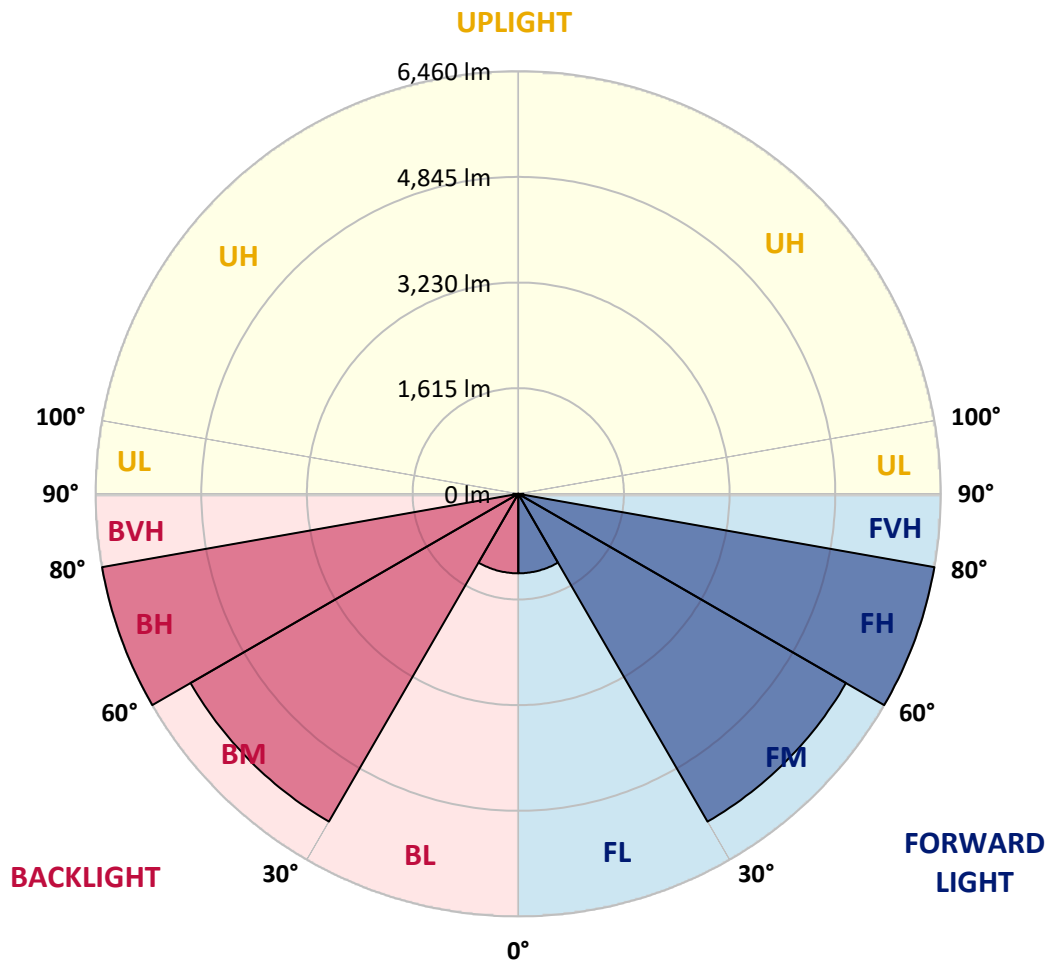
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1214.7	4.5			
FM (30°-60°)	5785.2	21.4			
FH (60°-80°)	6459.6	23.9			G3/7500
FVH (80°-90°)	77.6	0.3			G1/100
BL (0°-30°)	1214.7	4.5	B3/2500		
BM (30°-60°)	5785.2	21.4	B4/8500		
BH (60°-80°)	6459.6	23.9	B5		G3/7500
BVH (80°-90°)	77.6	0.3			G1/100
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°	2593.5	2593.5	2593.5	2593.5	2593.5	2593.5	2593.5	2593.5	2593.5	2593.5	2593.5
2.5°	2605.7	2608.4	2603.0	2600.2	2597.6	2593.5	2594.8	2601.6	2607.0	2605.7	2607.0
5°	2627.4	2630.1	2626.0	2624.7	2619.3	2618.0	2618.0	2624.7	2628.8	2626.0	2627.4
7.5°	2651.9	2656.0	2649.2	2647.8	2645.1	2642.3	2641.0	2647.8	2651.9	2651.9	2651.9
10°	2675.0	2679.0	2673.6	2669.5	2666.8	2666.8	2664.1	2669.5	2676.4	2675.0	2675.0
12.5°	2699.4	2702.2	2696.8	2694.0	2694.0	2698.1	2694.0	2696.8	2702.2	2699.4	2698.1
15°	2729.4	2730.7	2729.4	2733.5	2740.2	2753.9	2741.6	2738.9	2741.6	2734.8	2734.8
17.5°	2770.2	2772.8	2778.3	2787.8	2797.3	2821.8	2800.1	2793.2	2793.2	2779.7	2779.7
20°	2820.4	2824.5	2832.7	2849.0	2861.2	2884.4	2862.6	2853.1	2849.0	2831.4	2831.4
22.5°	2873.5	2880.2	2892.4	2914.2	2936.0	2957.7	2936.0	2919.7	2907.4	2884.4	2882.9
25°	2934.6	2942.8	2961.8	2997.1	3027.0	3058.3	3032.5	2999.9	2975.4	2942.8	2941.4
27.5°	3021.6	3031.1	3054.2	3097.8	3135.8	3162.9	3138.5	3096.3	3062.4	3022.9	3021.6
30°	3144.0	3153.4	3180.7	3226.8	3252.6	3270.4	3254.1	3221.4	3180.7	3135.8	3135.8
32.5°	3301.6	3313.8	3343.8	3387.2	3392.6	3395.4	3390.0	3373.7	3343.8	3289.3	3290.8
35°	3501.4	3515.0	3549.0	3584.3	3578.9	3584.3	3576.2	3570.7	3549.0	3486.4	3486.4
37.5°	3746.1	3762.4	3797.7	3824.9	3811.4	3804.5	3805.9	3807.3	3795.1	3725.7	3725.7
40°	4030.2	4051.9	4077.8	4106.3	4083.2	4062.8	4076.4	4087.3	4076.4	4005.7	4005.7
42.5°	4322.4	4353.7	4380.8	4421.6	4402.6	4376.8	4395.8	4408.0	4385.0	4308.8	4314.2
45°	4647.2	4677.2	4712.5	4773.6	4760.1	4732.9	4760.1	4762.8	4723.4	4633.7	4643.1
47.5°	4983.0	5014.3	5067.3	5148.8	5143.3	5113.5	5148.8	5129.8	5079.5	4972.2	4965.3
50°	5301.1	5344.6	5426.1	5540.3	5551.2	5514.5	5562.1	5525.4	5441.1	5306.5	5303.8
52.5°	5600.1	5646.3	5775.5	5930.3	5969.8	5922.2	5986.1	5922.2	5795.9	5623.3	5606.9
55°	5914.0	5965.7	6119.4	6321.9	6400.7	6365.4	6425.1	6328.7	6149.3	5939.9	5911.4
57.5°	6283.8	6315.0	6498.6	6739.2	6872.3	6880.5	6907.7	6744.6	6527.1	6289.2	6256.6
60°	6684.7	6728.3	6928.1	7216.2	7426.9	7494.9	7466.3	7224.4	6971.5	6698.4	6654.9
62.5°	7198.6	7246.1	7485.4	7830.6	8163.6	8332.2	8220.7	7870.1	7557.4	7229.8	7172.7
65°	7624.1	7677.0	8109.3	8725.0	9331.2	9669.6	9389.7	8744.1	8181.3	7719.2	7643.0
67.5°	7315.4	7380.7	8059.0	9189.8	10697.3	11707.1	10749.0	9328.5	8226.1	7599.6	7505.8
70°	6393.8	6455.0	7246.1	8628.4	11081.9	13294.8	11313.0	8882.6	7272.0	6570.6	6476.8
72.5°	4244.9	4442.0	5242.6	6900.9	9895.3	12302.6	9993.1	6760.9	4863.4	4235.4	4098.2
75°	1408.1	1565.9	2112.3	3577.6	6627.6	9200.7	6309.6	3165.7	1673.2	1204.3	1139.1
77.5°	354.8	409.2	564.1	1023.5	2643.8	5238.6	2380.0	835.9	455.3	318.1	284.1
80°	172.6	190.3	271.8	341.1	661.9	1665.1	621.2	320.8	214.7	165.8	152.2
82.5°	95.1	96.6	153.5	193.0	246.0	430.9	255.5	187.6	123.7	100.6	100.6
85°	58.4	57.1	81.6	103.3	103.3	153.5	122.3	103.3	70.7	62.5	65.3
87.5°	23.1	23.1	29.9	32.6	28.5	39.5	31.3	34.0	27.2	25.8	27.2
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)