

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: P883412

Luminaire Tested: **NVN-SB3D-730-U-5WQ**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P883412
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-730-U-5WQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 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: 30392 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

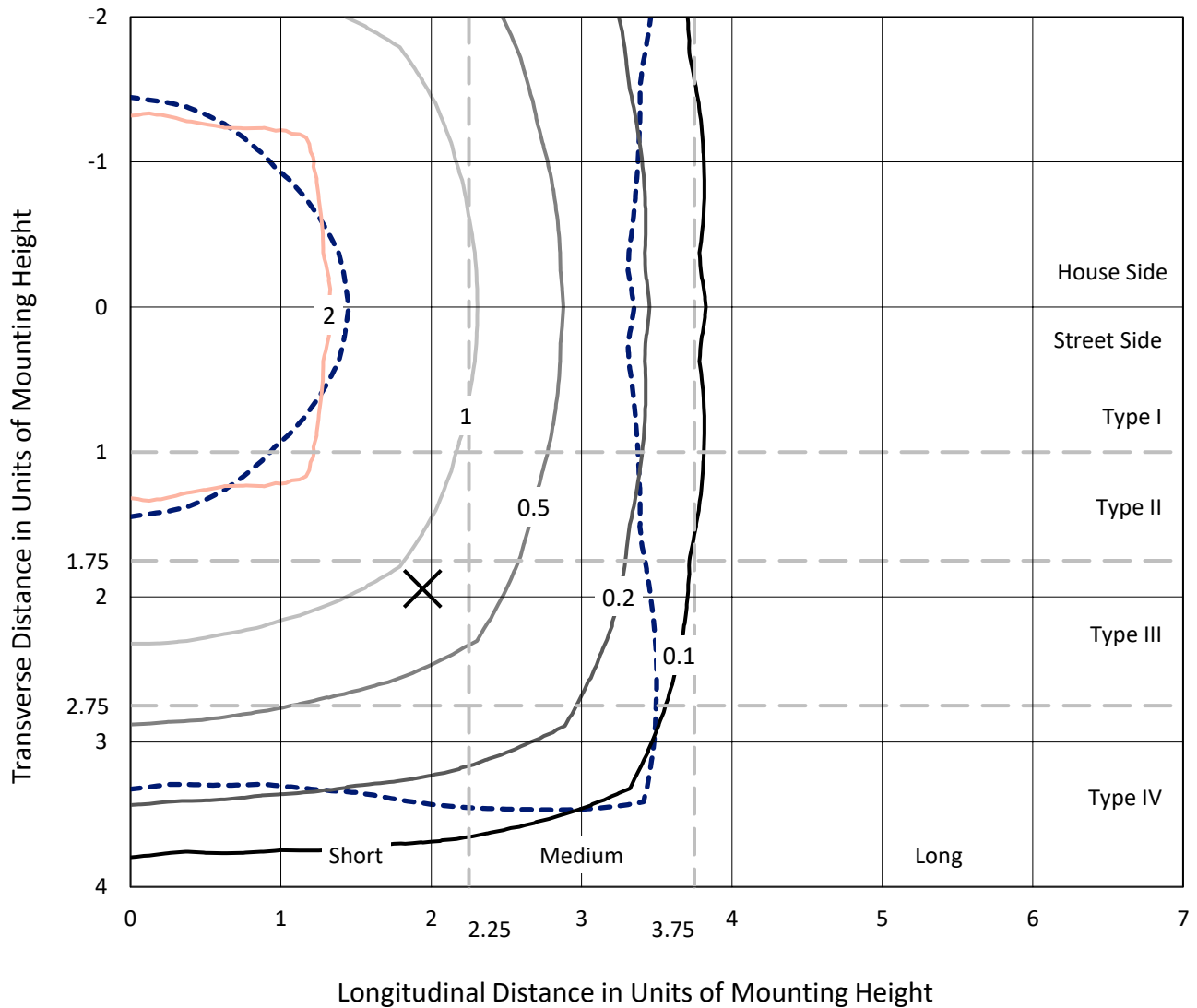
Input Watts (W): 218.1
Input Voltage (V): 120.0
Input Current (Ain): 1.84
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 2.542
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

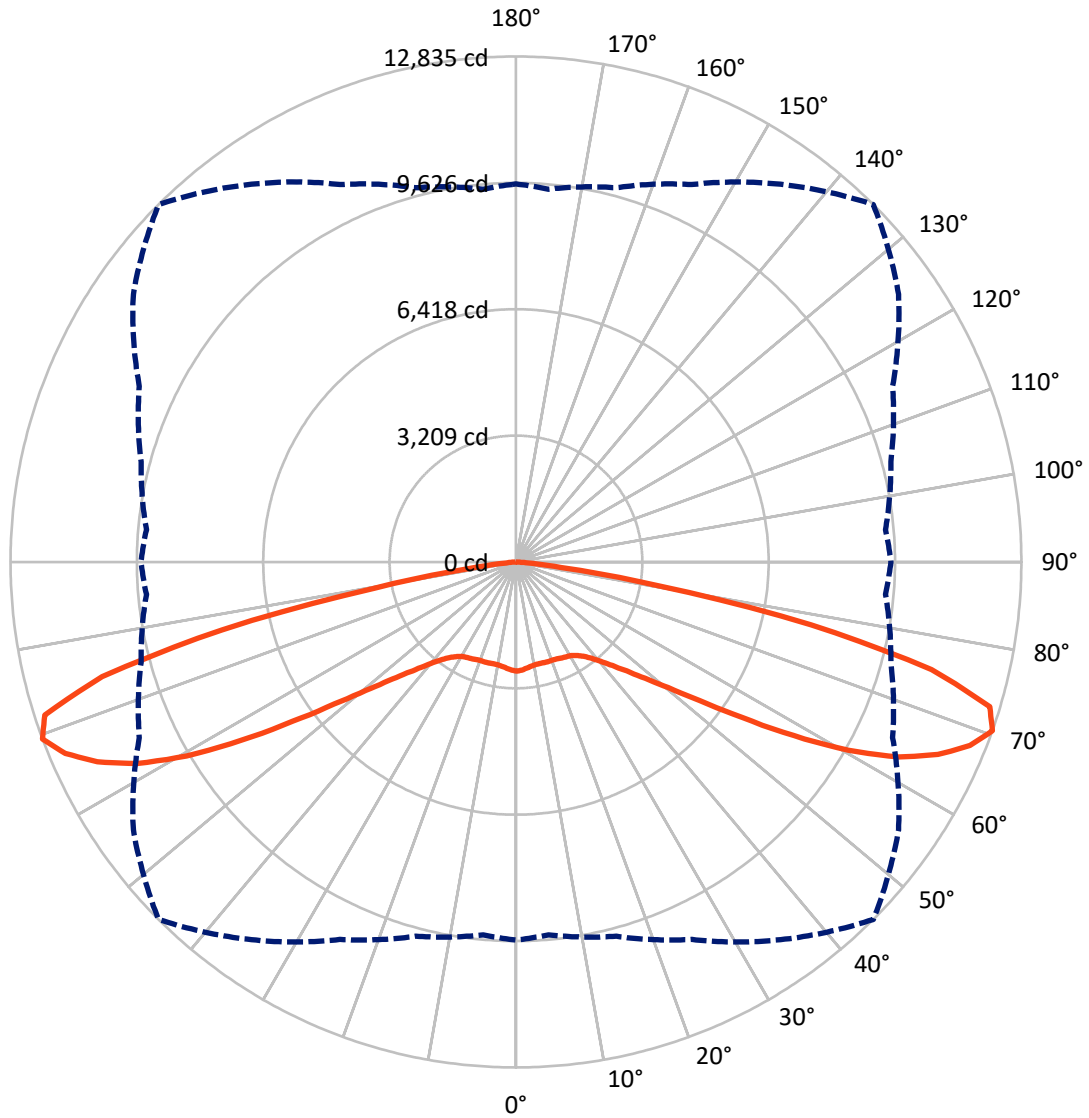
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	15196.0	0.0	15196.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15196.0	0.0	15196.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30392.0	0.0	30392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.9	0.8
10°-20°	757.2	2.5
20°-30°	1260.2	4.1
30°-40°	1905.7	6.3
40°-50°	3166.9	10.4
50°-60°	5975.8	19.7
60°-70°	10090.4	33.2
70°-80°	6630.4	21.8
80°-90°	347.4	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°	30392.0	100.0
0°-180°	30392.0	100.0

Coefficient of Utilization



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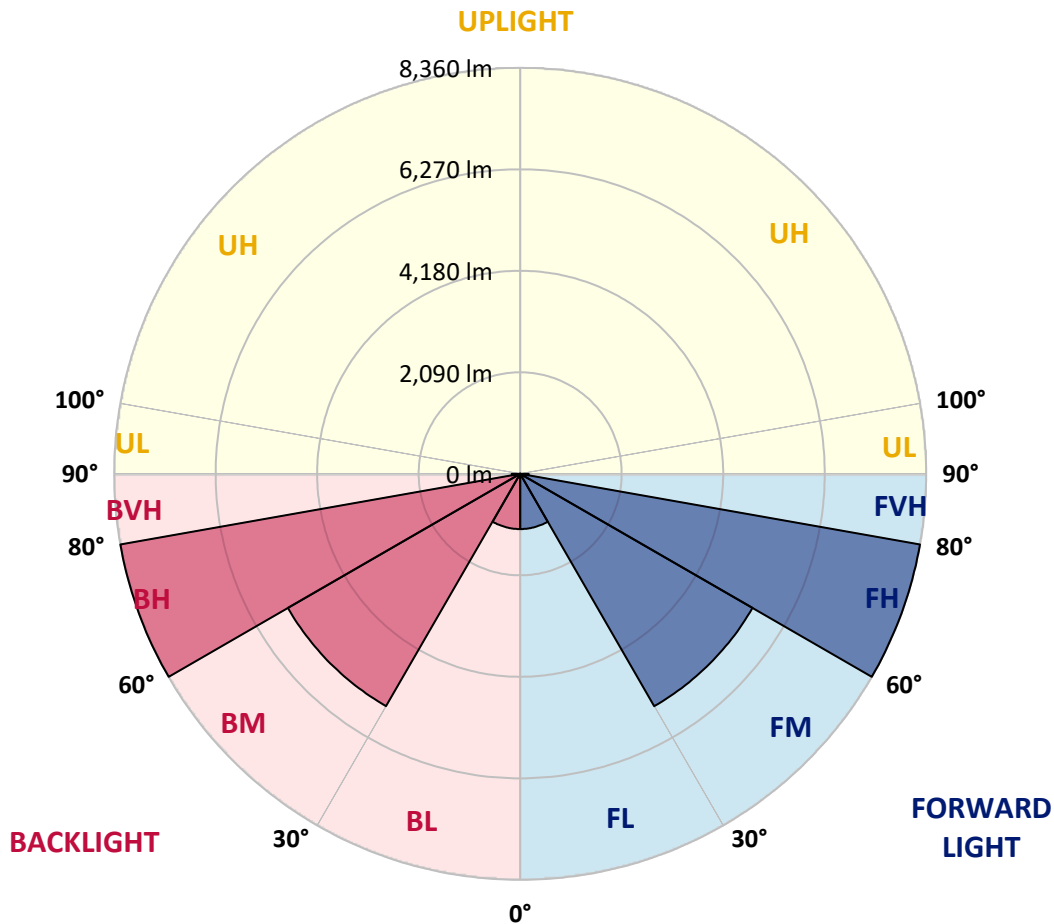
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1137.6	3.7			
FM (30°-60°)	5524.2	18.2			
FH (60°-80°)	8360.4	27.5			G4/12000
FVH (80°-90°)	173.7	0.6			G2/225
BL (0°-30°)	1137.6	3.7	B3/2500		
BM (30°-60°)	5524.2	18.2	B4/8500		
BH (60°-80°)	8360.4	27.5	B5		G4/12000
BVH (80°-90°)	173.7	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2772.4	2772.4	2772.4	2772.4	2772.4	2772.4	2772.4	2772.4	2772.4	2772.4	2772.4
2.5°	2755.0	2762.9	2759.7	2753.4	2753.4	2748.7	2753.4	2756.6	2761.3	2764.5	2762.9
5°	2718.7	2725.0	2723.4	2718.7	2720.2	2715.5	2718.7	2723.4	2726.6	2728.1	2728.1
7.5°	2687.1	2693.4	2690.2	2682.3	2682.3	2677.6	2679.2	2683.9	2688.6	2690.2	2690.2
10°	2679.2	2685.5	2676.0	2663.4	2658.6	2652.3	2653.9	2658.6	2668.1	2672.8	2672.8
12.5°	2682.3	2687.1	2677.6	2658.6	2653.9	2647.6	2647.6	2652.3	2664.9	2671.3	2672.8
15°	2691.8	2696.5	2682.3	2661.8	2657.0	2652.3	2650.7	2657.0	2671.3	2682.3	2683.9
17.5°	2709.2	2713.9	2691.8	2663.4	2657.0	2658.6	2657.0	2661.8	2683.9	2704.4	2704.4
20°	2725.0	2728.1	2698.1	2663.4	2657.0	2658.6	2657.0	2666.5	2695.0	2723.4	2725.0
22.5°	2729.7	2732.9	2704.4	2674.4	2669.7	2671.3	2669.7	2679.2	2706.0	2734.4	2734.4
25°	2731.3	2736.0	2713.9	2690.2	2698.1	2701.3	2698.1	2699.7	2720.2	2745.5	2743.9
27.5°	2755.0	2761.3	2740.8	2720.2	2725.0	2723.4	2728.1	2732.9	2748.7	2773.9	2767.6
30°	2804.0	2808.7	2791.3	2770.8	2767.6	2756.6	2770.8	2786.6	2804.0	2826.1	2821.3
32.5°	2884.5	2894.0	2871.9	2849.8	2835.6	2829.2	2840.3	2867.1	2890.8	2914.5	2905.1
35°	3018.8	3025.1	3004.6	2963.5	2938.2	2938.2	2947.7	2982.5	3020.4	3050.4	3039.3
37.5°	3208.4	3216.3	3179.9	3131.0	3093.0	3093.0	3105.7	3142.0	3198.9	3241.5	3225.7
40°	3439.0	3450.1	3404.2	3353.7	3317.4	3311.0	3326.8	3367.9	3421.6	3475.3	3457.9
42.5°	3717.0	3729.7	3669.6	3625.4	3597.0	3597.0	3604.9	3642.8	3691.7	3758.1	3753.4
45°	4072.5	4094.6	4012.4	3968.2	3941.3	3947.7	3952.4	3985.6	4029.8	4105.6	4102.5
47.5°	4495.8	4517.9	4431.0	4385.2	4380.5	4410.5	4391.5	4415.2	4438.9	4525.8	4500.5
50°	4976.0	5013.9	4953.9	4950.8	4960.2	5015.5	4971.3	4983.9	4957.1	5012.4	4979.2
52.5°	5563.7	5619.0	5607.9	5626.9	5732.7	5846.4	5745.3	5701.1	5600.0	5617.4	5558.9
55°	6276.1	6359.8	6375.6	6489.4	6729.5	6961.7	6746.9	6568.4	6353.5	6314.0	6252.4
57.5°	7086.5	7152.9	7228.7	7460.9	7909.5	8321.8	7909.5	7514.6	7176.5	7096.0	7039.1
60°	7958.5	8040.6	8113.3	8456.1	9122.7	9702.5	9110.1	8483.0	8035.9	7926.9	7832.1
62.5°	8895.3	9001.1	9051.6	9432.4	10209.6	10901.5	10220.6	9460.8	8964.8	8847.9	8753.1
65°	9794.1	9881.0	9937.9	10343.8	11086.3	11779.8	11136.8	10388.1	9877.8	9724.6	9648.8
67.5°	10212.7	10260.1	10399.1	10858.8	11642.3	12433.8	11775.0	10907.8	10337.5	10069.0	10072.1
70°	9599.8	9503.4	9838.3	10574.5	11708.7	12835.0	11860.3	10552.4	9854.1	9418.1	9522.4
72.5°	7418.2	7252.4	7833.7	9092.7	10950.4	12579.1	11026.3	9163.8	8195.5	7310.8	7530.4
75°	4036.1	3848.1	4650.6	6242.9	8732.5	10903.0	8933.2	6421.5	5178.2	4006.1	4266.8
77.5°	1139.0	1067.9	1715.5	3020.4	5252.5	7655.2	5454.7	3086.7	2034.6	1206.9	1341.2
80°	349.1	338.1	458.1	909.9	2230.5	3666.5	2143.6	921.0	582.9	368.1	388.6
82.5°	206.9	189.6	227.5	331.7	568.7	1151.6	552.9	346.0	278.0	186.4	202.2
85°	118.5	110.6	134.3	161.1	191.1	244.9	159.5	164.3	148.5	99.5	104.3
87.5°	49.0	44.2	52.1	50.6	44.2	56.9	42.7	50.6	60.0	39.5	36.3
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)