

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: P882735

Luminaire Tested: **NVN-SB2D-730-U-T1**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P882735
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-SB2D-730-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20196 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

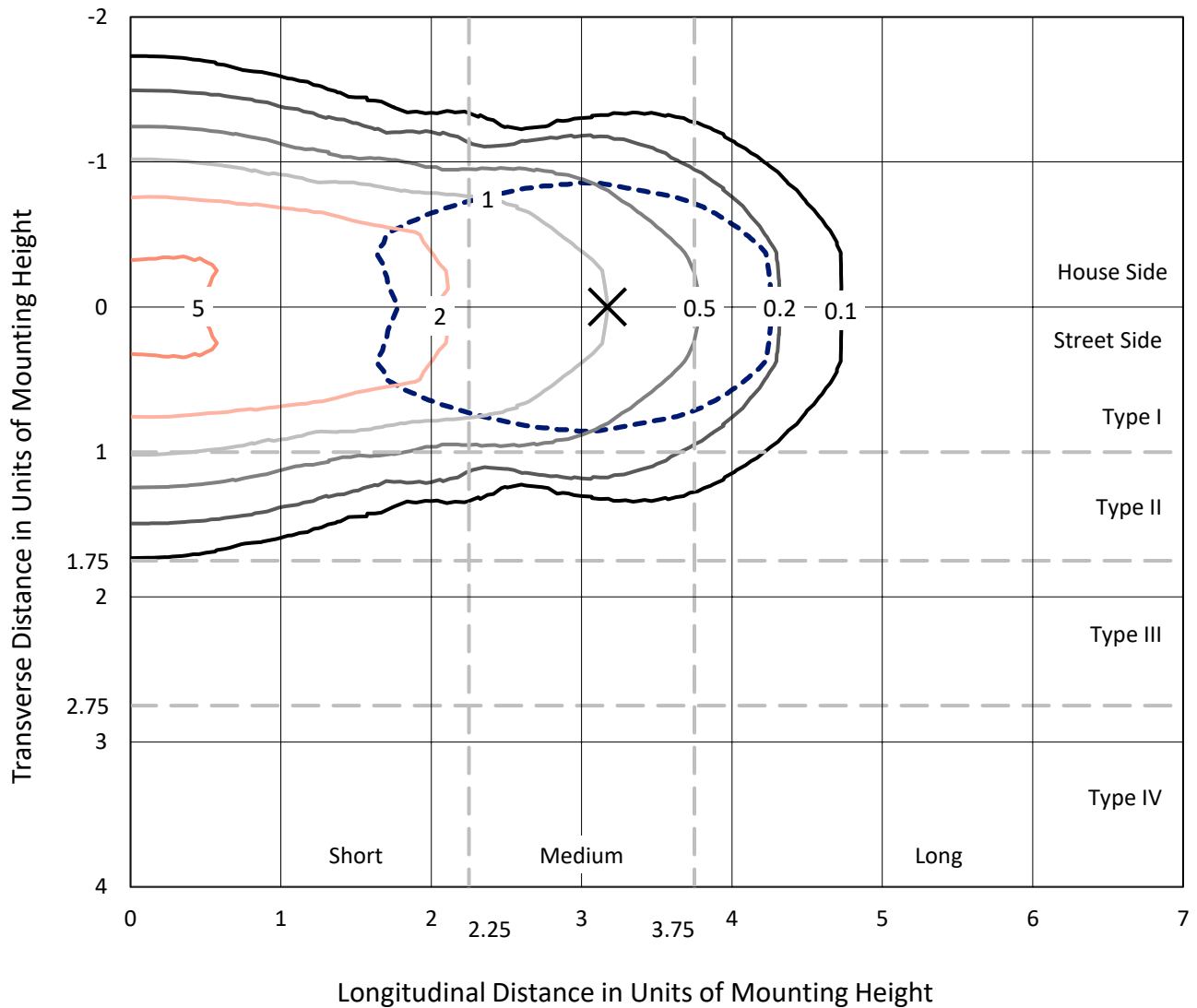
Input Watts (W): 147.6
Input Voltage (V): 120.0
Input Current (Ain): 1.234
Voltage Rise (V): NR
Power Factor: 0.999
Total Harmonic Distortion (THDi): 3.108
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

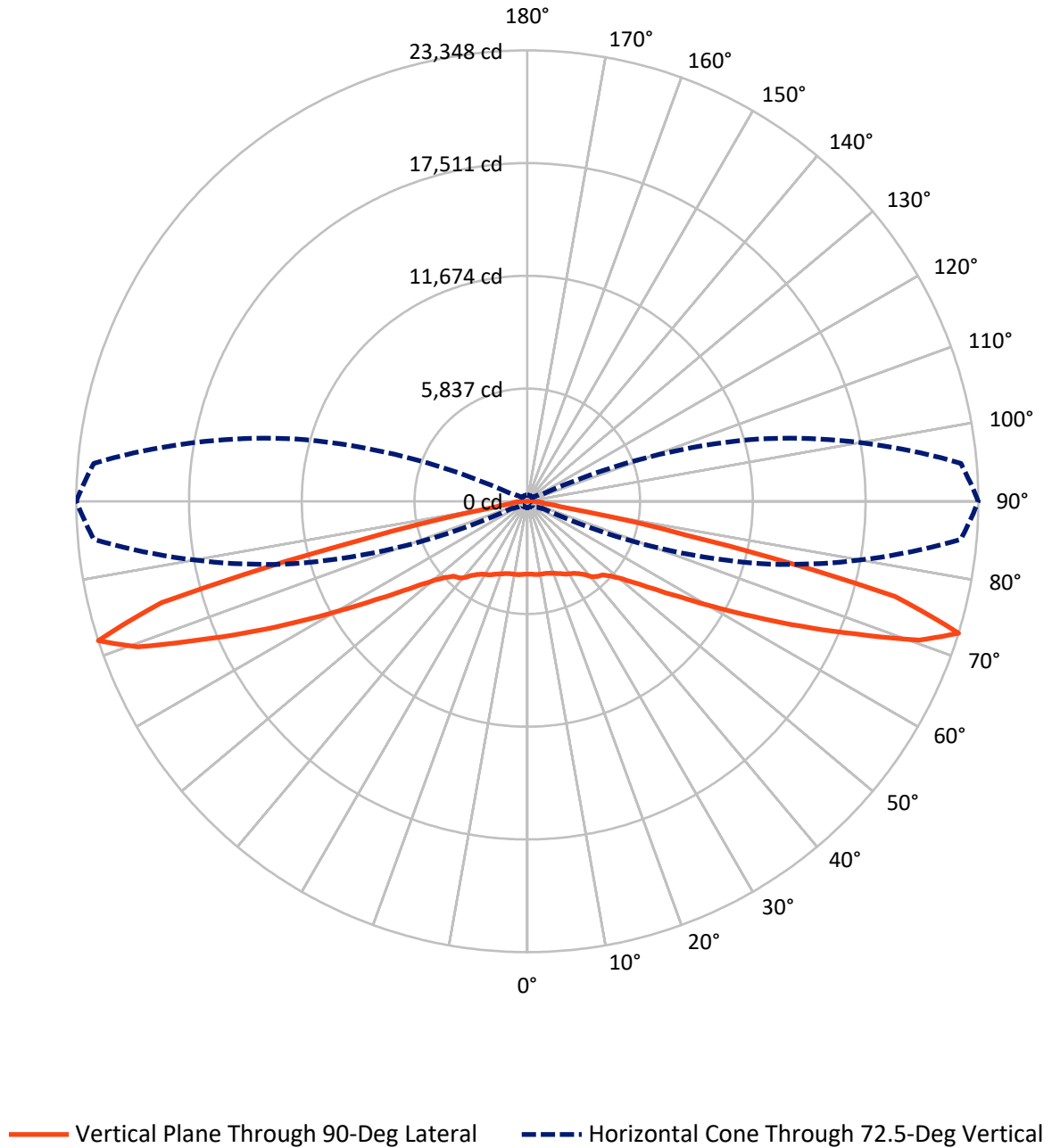
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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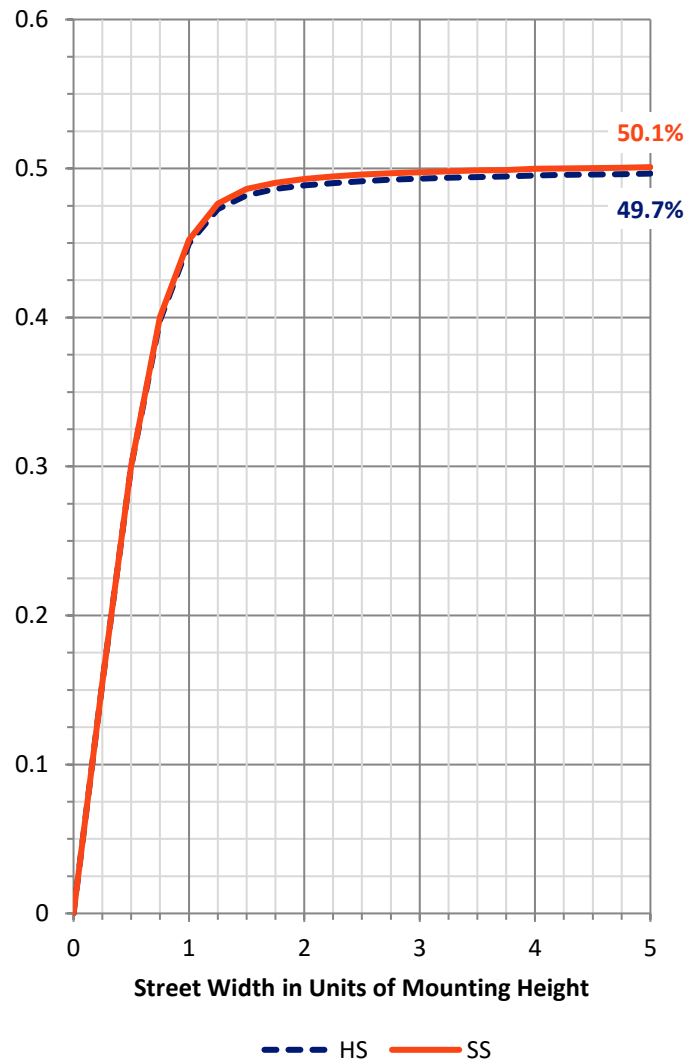
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10098.0	0.0	10098.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10098.0	0.0	10098.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20196.0	0.0	20196.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.9	1.8
10°-20°	1118.8	5.5
20°-30°	1865.6	9.2
30°-40°	2565.7	12.7
40°-50°	3133.4	15.5
50°-60°	3624.2	17.9
60°-70°	4321.2	21.4
70°-80°	3015.9	14.9
80°-90°	185.2	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°	20196.0	100.0
0°-180°	20196.0	100.0

Coefficient of Utilization



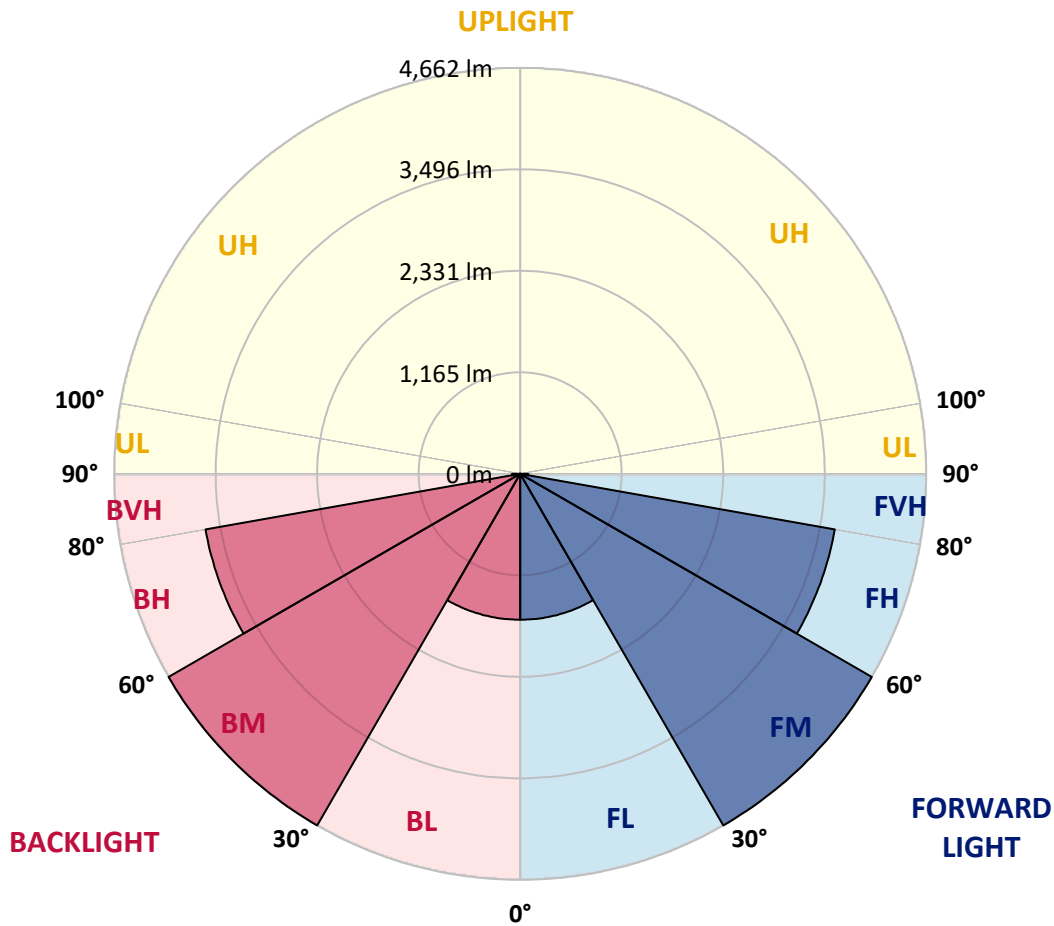
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1675.2	8.3			
FM (30°-60°)	4661.7	23.1			
FH (60°-80°)	3668.6	18.2			G2/5000
FVH (80°-90°)	92.6	0.5			G1/100
BL (0°-30°)	1675.2	8.3	B3/2500		
BM (30°-60°)	4661.7	23.1	B3/5000		
BH (60°-80°)	3668.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	92.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3773.8	3773.8	3773.8	3773.8	3773.8	3773.8	3773.8	3773.8	3773.8	3773.8	3773.8
2.5°	3777.1	3781.3	3781.3	3778.1	3785.6	3779.2	3779.2	3776.0	3779.2	3776.0	3776.0
5°	3796.4	3801.7	3803.9	3802.8	3812.5	3807.1	3807.1	3802.8	3803.9	3800.7	3800.7
7.5°	3832.9	3840.4	3844.7	3850.0	3864.0	3857.6	3853.3	3840.4	3835.0	3826.4	3826.4
10°	3844.7	3853.3	3867.2	3895.1	3927.3	3928.4	3915.5	3883.3	3858.6	3839.3	3836.1
12.5°	3808.2	3820.0	3849.0	3905.9	3977.8	4006.7	3986.4	3932.7	3884.4	3850.0	3844.7
15°	3762.0	3774.9	3818.9	3904.8	4011.0	4078.7	4076.5	4005.7	3928.4	3874.7	3866.1
17.5°	3690.1	3703.0	3766.3	3886.5	4036.8	4148.4	4178.5	4105.5	3997.1	3925.2	3913.4
20°	3560.2	3572.0	3660.1	3828.6	4045.4	4222.5	4300.8	4236.4	4101.2	4003.5	3985.3
22.5°	3391.7	3410.0	3513.0	3728.8	4025.0	4299.8	4440.4	4396.4	4222.5	4087.2	4062.6
25°	3211.4	3230.7	3350.9	3606.4	3972.4	4355.6	4605.7	4577.8	4359.9	4191.4	4157.0
27.5°	3055.8	3076.2	3207.1	3485.1	3890.8	4377.0	4768.8	4782.8	4526.2	4306.2	4269.7
30°	2933.4	2952.7	3092.3	3387.4	3785.6	4355.6	4911.6	5008.2	4695.8	4406.0	4353.4
32.5°	2799.3	2823.9	2971.0	3268.3	3661.1	4304.1	5036.1	5251.8	4892.2	4513.4	4446.8
35°	2629.7	2652.2	2806.8	3105.1	3498.0	4221.4	5140.2	5522.3	5173.5	4676.5	4602.4
37.5°	2423.6	2445.1	2598.5	2901.2	3335.9	4105.5	5219.6	5827.1	5508.3	4911.6	4812.8
40°	2216.4	2236.8	2380.7	2673.7	3141.6	3957.4	5247.5	6125.5	5892.6	5234.6	5129.5
42.5°	2026.5	2044.7	2176.7	2449.3	2923.8	3768.5	5211.0	6385.3	6237.1	5460.0	5324.8
45°	1851.5	1867.6	1984.6	2239.0	2697.3	3538.8	5101.5	6664.3	6647.1	5621.0	5438.6
47.5°	1651.9	1668.0	1789.2	2035.0	2470.8	3269.4	4915.9	6939.1	7217.1	5986.0	5775.6
50°	1408.2	1422.2	1546.7	1800.0	2235.8	2982.8	4658.3	7154.8	7936.2	6538.7	6274.7
52.5°	1119.5	1134.5	1255.8	1509.1	1956.7	2674.7	4319.1	7295.4	8767.0	7345.9	7020.7
55°	832.9	843.6	948.8	1176.4	1611.1	2323.8	3894.0	7335.2	9709.4	8449.3	8042.5
57.5°	604.3	610.7	678.3	847.9	1221.5	1884.8	3377.8	7232.1	10831.0	9863.9	9351.9
60°	489.4	491.6	512.0	587.1	849.0	1388.9	2754.2	6877.9	12048.2	11687.5	11042.4
62.5°	444.4	444.4	449.7	470.1	574.2	916.6	1999.6	6143.8	13353.3	13992.0	13127.9
65°	413.2	413.2	415.4	425.0	452.9	583.9	1262.2	4948.1	14453.5	16691.4	15598.7
67.5°	385.3	386.4	385.3	388.5	404.6	431.5	732.0	3417.5	15046.0	19488.5	18308.9
70°	356.3	358.5	353.1	353.1	366.0	367.1	458.3	1874.0	14554.4	21832.6	21522.5
72.5°	322.0	325.2	316.6	314.5	324.1	319.9	344.5	899.5	12495.7	22532.5	23348.2
75°	291.9	296.2	276.9	271.6	271.6	268.3	280.1	461.5	8110.1	18380.8	19660.2
77.5°	265.1	273.7	242.6	225.4	221.1	211.4	228.6	282.3	3547.4	8629.6	8450.3
80°	219.0	230.8	199.6	179.2	171.7	161.0	180.3	197.5	1055.1	2003.9	1919.1
82.5°	163.1	168.5	141.7	127.7	121.3	113.8	135.2	137.4	343.5	709.5	801.8
85°	104.1	106.3	86.9	75.1	71.9	68.7	85.9	75.1	130.9	521.6	757.8
87.5°	36.5	41.9	33.3	30.1	32.2	26.8	39.7	22.5	36.5	368.2	456.2
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)