

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: P885522

Luminaire Tested: **NVN-SB6D-835-U-5WQ**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P885522
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-SB6D-835-U-5WQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 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: 52714 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

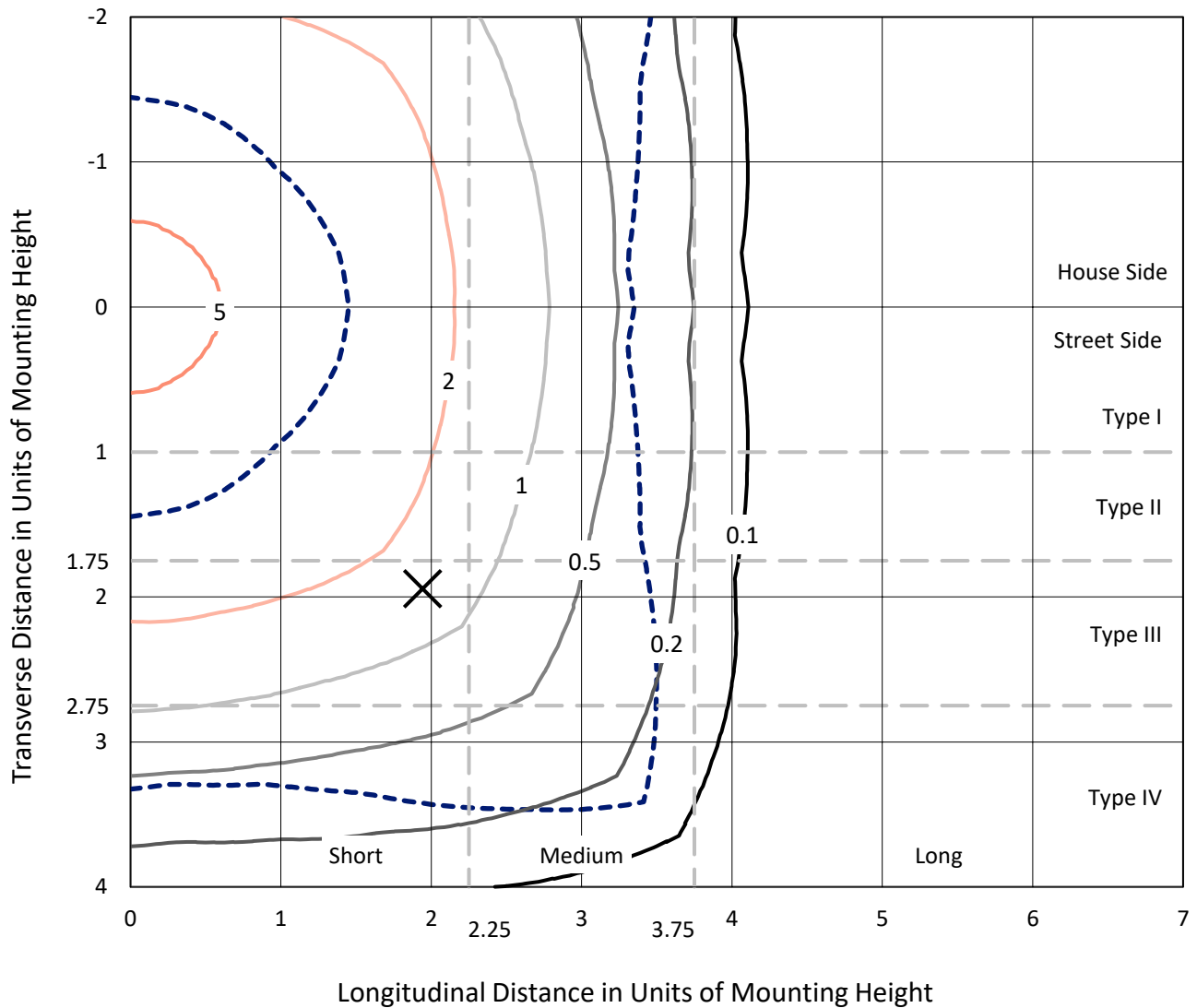
Input Watts (W): 440.1
Input Voltage (V): 120.0
Input Current (Ain): 3.68
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 2.542
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

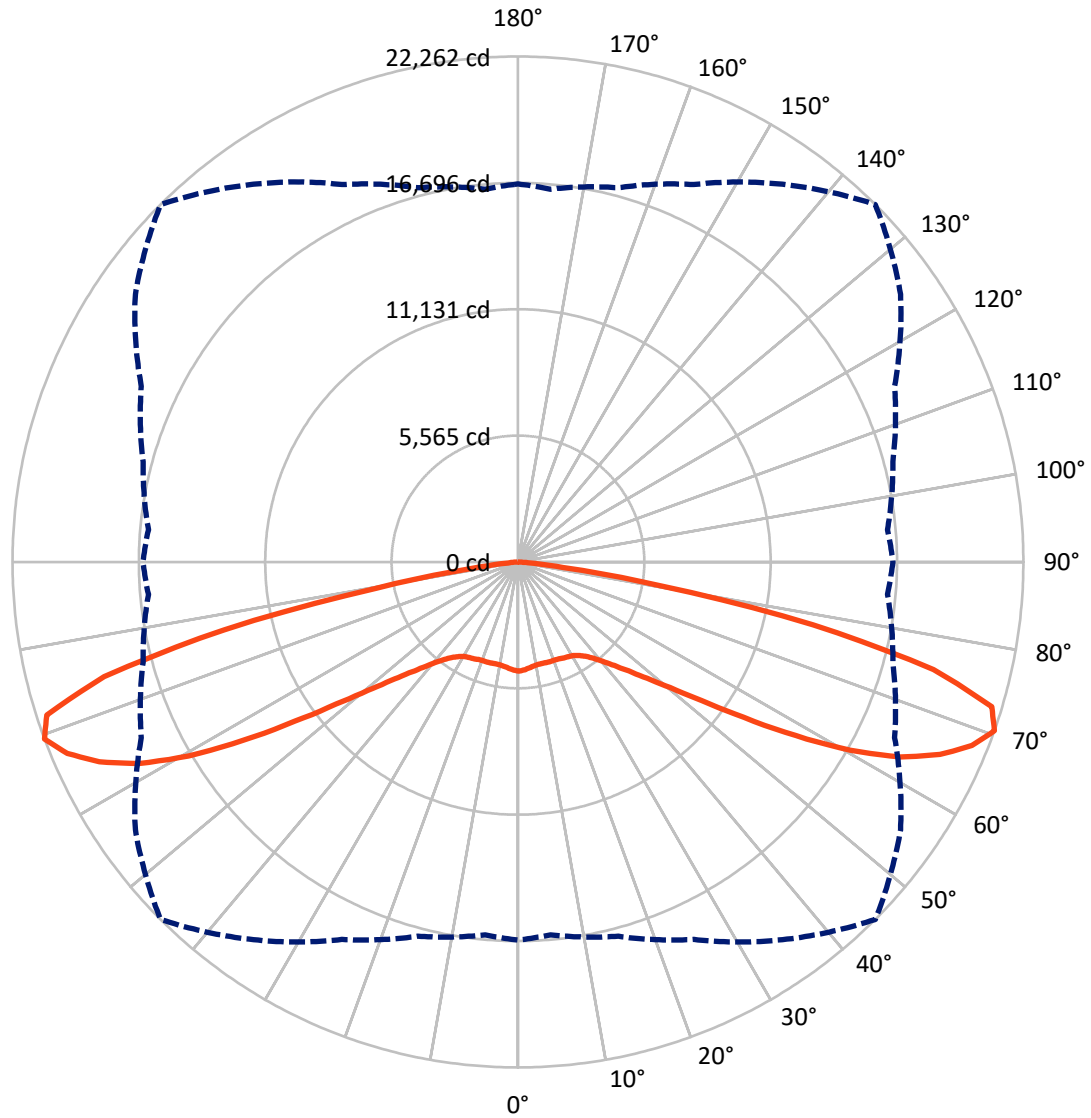
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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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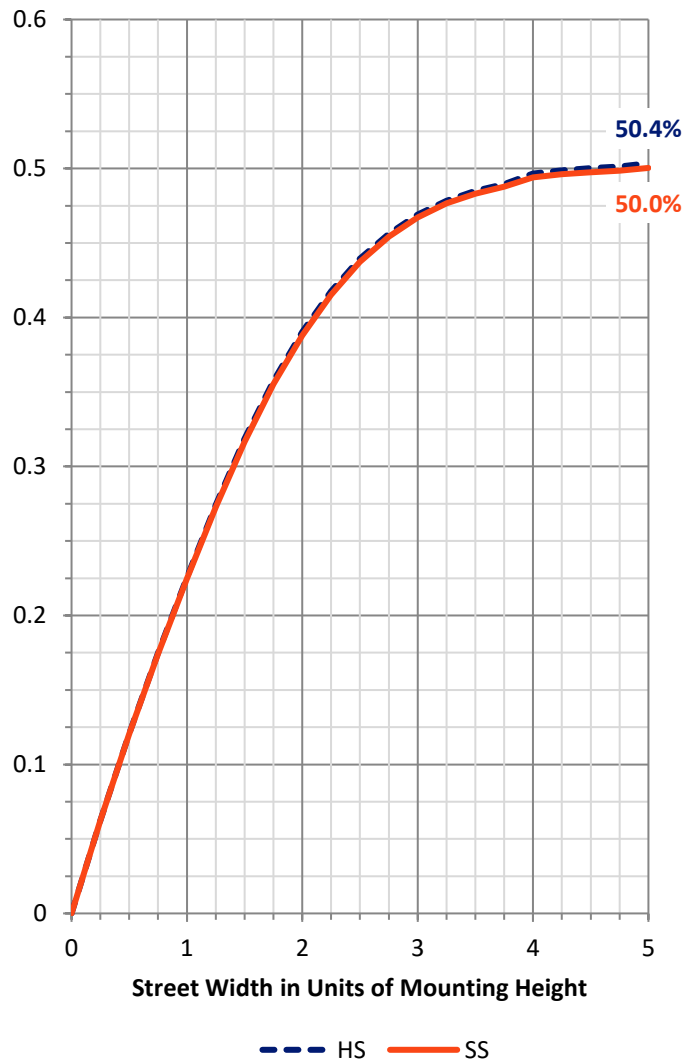
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26357.0	0.0	26357.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26357.0	0.0	26357.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52714.0	0.0	52714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.3	0.8
10°-20°	1313.4	2.5
20°-30°	2185.7	4.1
30°-40°	3305.5	6.3
40°-50°	5492.9	10.4
50°-60°	10364.9	19.7
60°-70°	17501.5	33.2
70°-80°	11500.3	21.8
80°-90°	602.5	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°	52714.0	100.0
0°-180°	52714.0	100.0

Coefficient of Utilization



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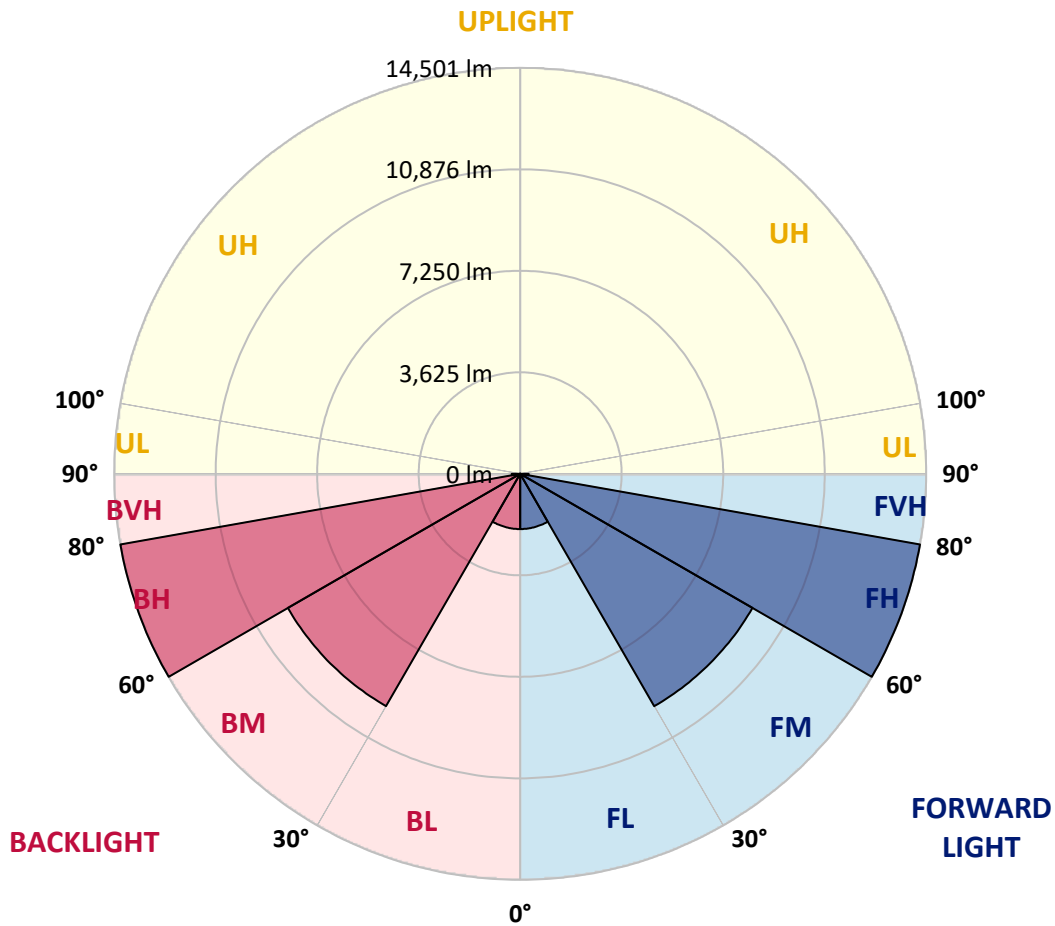
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1973.2	3.7			
FM (30°-60°)	9581.6	18.2			
FH (60°-80°)	14500.9	27.5			G5
FVH (80°-90°)	301.3	0.6			G3/500
BL (0°-30°)	1973.2	3.7	B3/2500		
BM (30°-60°)	9581.6	18.2	B5		
BH (60°-80°)	14500.9	27.5	B5		G5
BVH (80°-90°)	301.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6	4808.6
2.5°	4778.4	4792.1	4786.7	4775.7	4775.7	4767.5	4775.7	4781.2	4789.4	4794.9	4792.1
5°	4715.4	4726.4	4723.6	4715.4	4718.2	4709.9	4715.4	4723.6	4729.1	4731.9	4731.9
7.5°	4660.6	4671.6	4666.1	4652.4	4652.4	4644.2	4646.9	4655.1	4663.4	4666.1	4666.1
10°	4646.9	4657.9	4641.4	4619.5	4611.3	4600.3	4603.1	4611.3	4627.7	4636.0	4636.0
12.5°	4652.4	4660.6	4644.2	4611.3	4603.1	4592.1	4592.1	4600.3	4622.3	4633.2	4636.0
15°	4668.8	4677.1	4652.4	4616.8	4608.6	4600.3	4597.6	4608.6	4633.2	4652.4	4655.1
17.5°	4699.0	4707.2	4668.8	4619.5	4608.6	4611.3	4608.6	4616.8	4655.1	4690.8	4690.8
20°	4726.4	4731.9	4679.8	4619.5	4608.6	4611.3	4608.6	4625.0	4674.3	4723.6	4726.4
22.5°	4734.6	4740.1	4690.8	4638.7	4630.5	4633.2	4630.5	4646.9	4693.5	4742.8	4742.8
25°	4737.3	4745.6	4707.2	4666.1	4679.8	4685.3	4679.8	4682.5	4718.2	4762.0	4759.3
27.5°	4778.4	4789.4	4753.8	4718.2	4726.4	4723.6	4731.9	4740.1	4767.5	4811.3	4800.4
30°	4863.4	4871.6	4841.5	4805.8	4800.4	4781.2	4805.8	4833.2	4863.4	4901.7	4893.5
32.5°	5003.1	5019.6	4981.2	4942.8	4918.2	4907.2	4926.4	4973.0	5014.1	5055.2	5038.7
35°	5236.0	5247.0	5211.3	5140.1	5096.3	5096.3	5112.7	5173.0	5238.7	5290.8	5271.6
37.5°	5564.8	5578.5	5515.5	5430.5	5364.8	5364.8	5386.7	5449.7	5548.4	5622.3	5594.9
40°	5964.8	5984.0	5904.6	5816.9	5753.9	5742.9	5770.3	5841.5	5934.7	6027.8	5997.7
42.5°	6447.1	6469.0	6364.9	6288.1	6238.8	6238.8	6252.5	6318.3	6403.2	6518.3	6510.1
45°	7063.5	7101.9	6959.4	6882.7	6836.1	6847.1	6855.3	6912.8	6989.6	7121.1	7115.6
47.5°	7797.8	7836.2	7685.5	7606.0	7597.8	7649.9	7617.0	7658.1	7699.2	7849.9	7806.1
50°	8630.8	8696.5	8592.4	8586.9	8603.4	8699.3	8622.6	8644.5	8597.9	8693.8	8636.3
52.5°	9650.0	9745.9	9726.8	9759.6	9943.2	10140.5	9965.1	9888.4	9713.1	9743.2	9641.8
55°	10885.7	11031.0	11058.4	11255.6	11672.1	12074.9	11702.2	11392.6	11020.0	10951.5	10844.6
57.5°	12291.3	12406.4	12537.9	12940.7	13718.8	14434.0	13718.8	13033.8	12447.5	12307.8	12209.1
60°	13803.8	13946.2	14072.3	14666.8	15823.1	16828.7	15801.2	14713.4	13938.0	13749.0	13584.6
62.5°	15428.5	15612.1	15699.8	16360.1	17708.2	18908.3	17727.4	16409.4	15549.1	15346.4	15182.0
65°	16987.6	17138.3	17236.9	17941.1	19228.8	20431.7	19316.5	18017.8	17132.8	16867.0	16735.5
67.5°	17713.7	17795.8	18037.0	18834.3	20193.3	21566.0	20423.4	18919.2	17930.1	17464.3	17469.8
70°	16650.6	16483.4	17064.3	18341.1	20308.4	22261.9	20571.4	18302.7	17091.7	16335.5	16516.3
72.5°	12866.7	12579.0	13587.3	15771.0	18993.2	21818.1	19124.7	15894.3	14214.8	12680.4	13061.2
75°	7000.5	6674.5	8066.4	10828.2	15146.3	18911.0	15494.3	11137.8	8981.5	6948.5	7400.6
77.5°	1975.5	1852.2	2975.6	5238.7	9110.3	13277.7	9461.0	5353.8	3529.0	2093.3	2326.2
80°	605.5	586.3	794.6	1578.2	3868.8	6359.4	3718.1	1597.4	1011.0	638.4	674.0
82.5°	358.9	328.8	394.6	575.4	986.4	1997.4	959.0	600.0	482.2	323.3	350.7
85°	205.5	191.8	232.9	279.5	331.5	424.7	276.7	285.0	257.6	172.6	180.8
87.5°	84.9	76.7	90.4	87.7	76.7	98.6	74.0	87.7	104.1	68.5	63.0
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)