

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: P971525

Luminaire Tested: **NVN-SB6D-827-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P971525
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-SB6D-827-U-5MQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57599.9 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

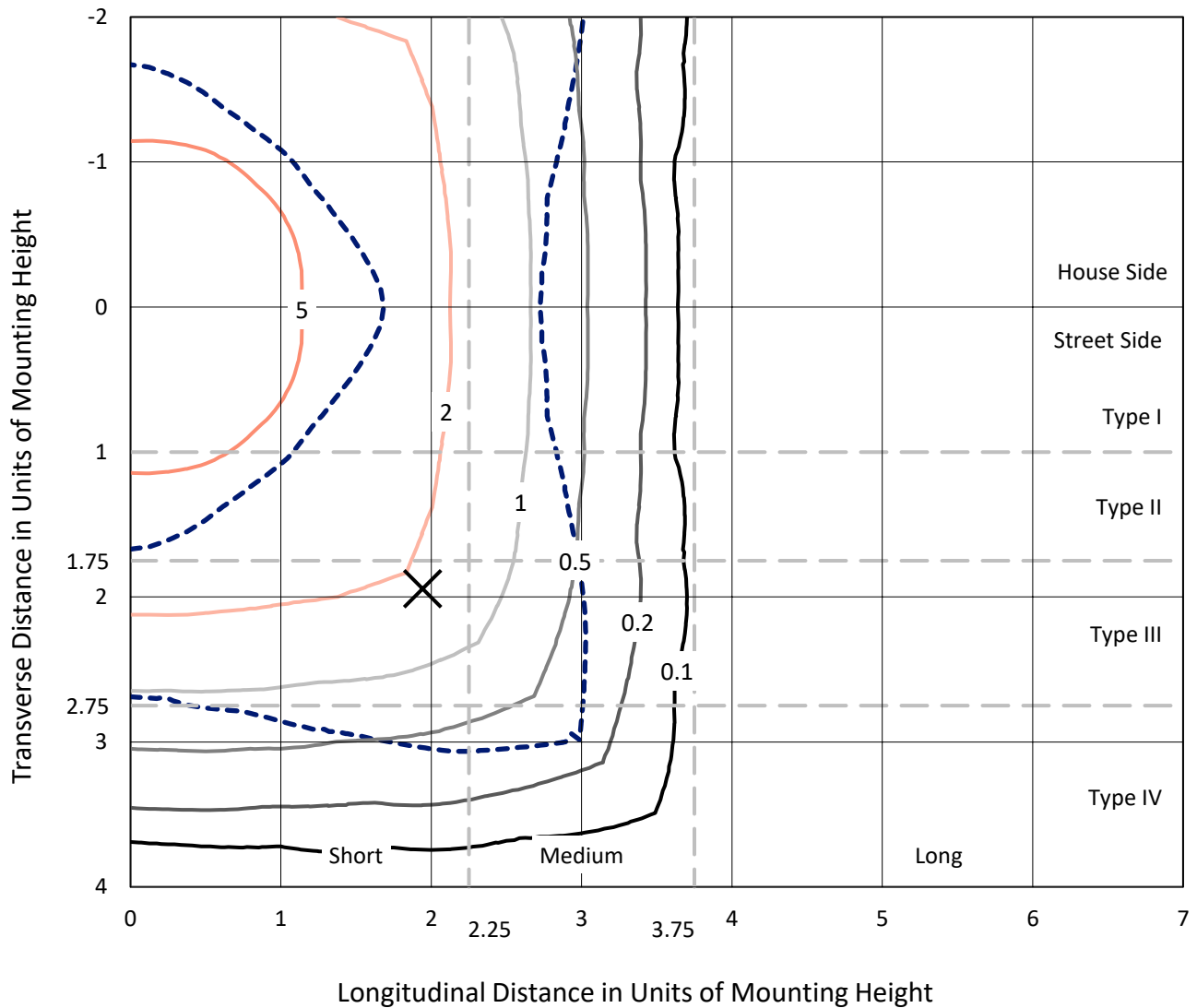
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

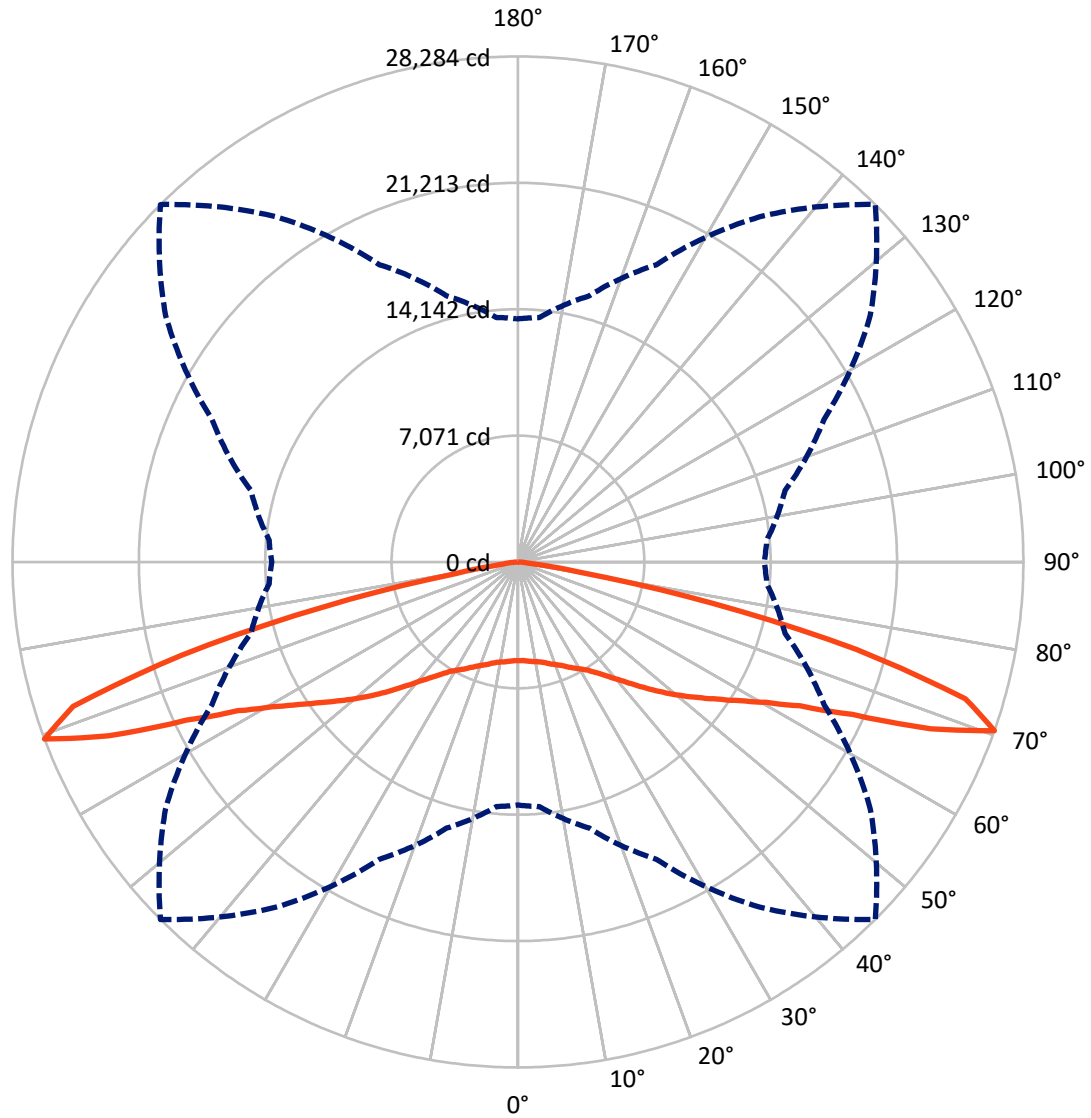
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	28799.9	0.0	28799.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28799.9	0.0	28799.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	57599.9	0.0	57599.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.0	0.9
10°-20°	1662.1	2.9
20°-30°	2970.4	5.2
30°-40°	4815.1	8.4
40°-50°	7842.9	13.6
50°-60°	11957.8	20.8
60°-70°	17789.4	30.9
70°-80°	9695.8	16.8
80°-90°	330.2	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°	57599.9	100.0
0°-180°	57599.9	100.0

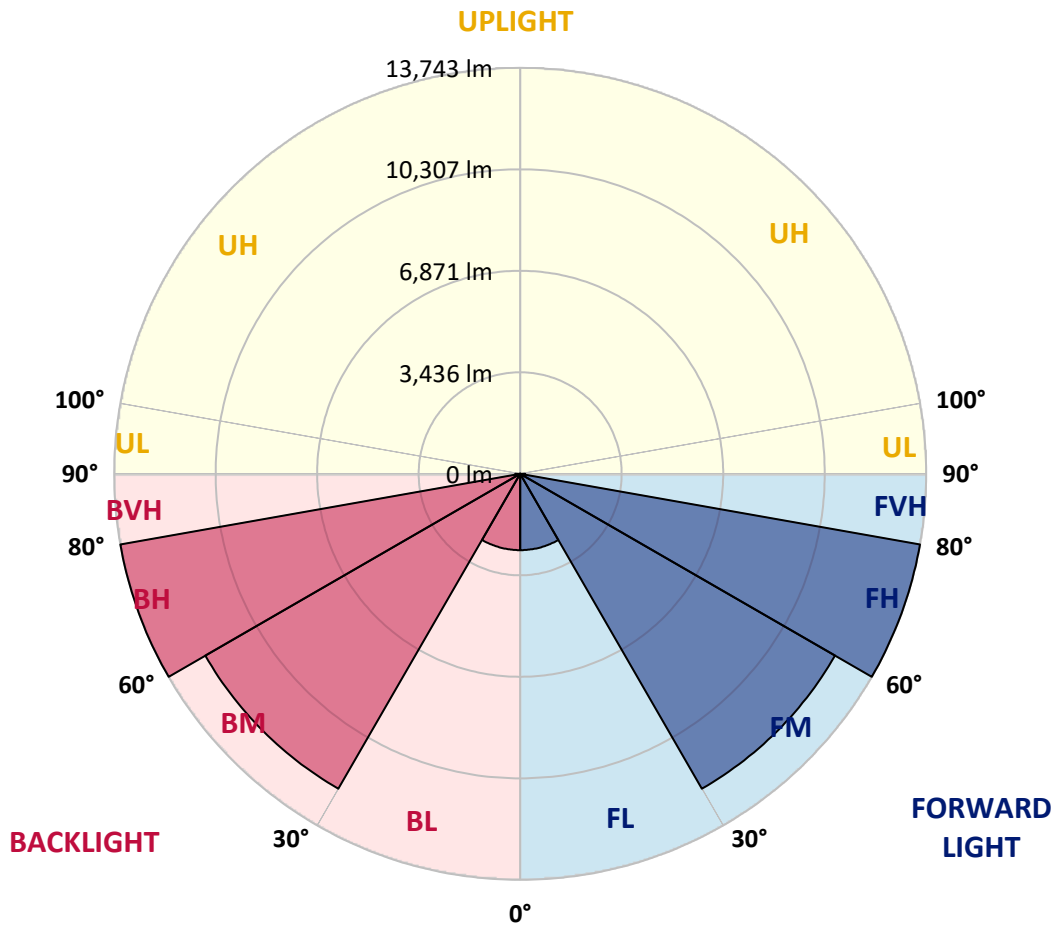


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2584.3	4.5			
FM (30°-60°)	12307.9	21.4			
FH (60°-80°)	13742.6	23.9			G5
FVH (80°-90°)	165.1	0.3			G2/225
BL (0°-30°)	2584.3	4.5	B4/5000		
BM (30°-60°)	12307.9	21.4	B5		
BH (60°-80°)	13742.6	23.9	B5		G5
BVH (80°-90°)	165.1	0.3			G2/225
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°	5517.5	5517.5	5517.5	5517.5	5517.5	5517.5	5517.5	5517.5	5517.5	5517.5	5517.5
2.5°	5543.5	5549.2	5537.7	5531.9	5526.2	5517.5	5520.3	5534.8	5546.4	5543.5	5546.4
5°	5589.7	5595.6	5586.9	5584.0	5572.4	5569.5	5569.5	5584.0	5592.7	5586.9	5589.7
7.5°	5641.8	5650.5	5636.1	5633.1	5627.4	5621.6	5618.6	5633.1	5641.8	5641.8	5641.8
10°	5691.0	5699.6	5688.1	5679.4	5673.6	5673.6	5667.8	5679.4	5693.9	5691.0	5691.0
12.5°	5743.1	5748.8	5737.2	5731.5	5731.5	5740.1	5731.5	5737.2	5748.8	5743.1	5740.1
15°	5806.6	5809.5	5806.6	5815.3	5829.8	5858.7	5832.7	5826.9	5832.7	5818.2	5818.2
17.5°	5893.4	5899.2	5910.8	5931.0	5951.3	6003.3	5957.0	5942.5	5942.5	5913.6	5913.6
20°	6000.3	6009.1	6026.4	6061.1	6087.2	6136.3	6090.0	6069.8	6061.1	6023.5	6023.5
22.5°	6113.2	6127.7	6153.7	6199.9	6246.1	6292.5	6246.1	6211.5	6185.5	6136.3	6133.4
25°	6243.3	6260.7	6301.2	6376.3	6440.0	6506.5	6451.6	6382.1	6330.1	6260.7	6257.7
27.5°	6428.4	6448.6	6497.8	6590.3	6671.3	6729.1	6677.1	6587.5	6515.1	6431.3	6428.4
30°	6688.6	6708.8	6766.7	6865.0	6920.0	6957.6	6922.8	6853.5	6766.7	6671.3	6671.3
32.5°	7024.1	7050.1	7113.7	7206.3	7217.8	7223.6	7212.0	7177.4	7113.7	6998.1	7001.0
35°	7449.2	7478.1	7550.4	7625.6	7614.0	7625.6	7608.2	7596.7	7550.4	7417.3	7417.3
37.5°	7969.7	8004.4	8079.6	8137.4	8108.5	8094.0	8096.9	8099.9	8073.8	7926.3	7926.3
40°	8574.0	8620.4	8675.3	8736.0	8686.9	8643.4	8672.4	8695.5	8672.4	8522.1	8522.1
42.5°	9195.8	9262.3	9320.1	9406.8	9366.4	9311.4	9351.9	9377.9	9328.8	9166.9	9178.5
45°	9886.9	9950.5	10025.7	10155.8	10126.9	10069.1	10126.9	10132.7	10048.9	9858.0	9878.2
47.5°	10601.2	10667.7	10780.4	10954.0	10942.4	10878.8	10954.0	10913.5	10806.5	10578.0	10563.5
50°	11277.9	11370.4	11543.9	11786.8	11809.9	11731.8	11833.1	11755.0	11575.7	11289.5	11283.6
52.5°	11914.1	12012.4	12287.1	12616.7	12700.6	12599.4	12735.3	12599.4	12330.4	11963.2	11928.5
55°	12582.1	12692.0	13018.7	13449.5	13617.3	13542.1	13669.3	13464.0	13082.3	12637.0	12576.2
57.5°	13368.6	13435.1	13825.5	14337.3	14620.7	14638.0	14695.9	14348.9	13886.2	13380.1	13310.8
60°	14221.7	14314.2	14739.3	15352.3	15800.6	15945.1	15884.4	15369.7	14831.9	14250.6	14158.0
62.5°	15314.7	15416.0	15924.9	16659.4	17367.9	17726.5	17489.4	16743.3	16078.1	15381.3	15259.8
65°	16219.9	16332.7	17252.2	18562.2	19851.9	20572.0	19976.2	18602.6	17405.5	16422.2	16260.4
67.5°	15563.4	15702.3	17145.2	19551.2	22758.1	24906.7	22868.1	19846.2	17501.0	16167.8	15968.3
70°	13602.8	13733.0	15416.0	18356.8	23576.5	28284.3	24068.1	18897.6	15470.9	13978.7	13779.2
72.5°	9031.0	9450.3	11153.5	14681.5	21052.0	26173.3	21260.2	14383.6	10346.7	9010.7	8718.6
75°	2995.9	3331.4	4493.8	7611.1	14100.2	19574.3	13423.5	6734.9	3559.7	2562.1	2423.3
77.5°	754.7	870.4	1200.1	2177.5	5624.5	11144.8	5063.5	1778.5	968.7	676.7	604.3
80°	367.3	404.9	578.3	725.8	1408.2	3542.4	1321.5	682.4	456.9	352.8	323.9
82.5°	202.4	205.3	326.8	410.6	523.4	916.7	543.7	399.0	263.1	214.0	214.0
85°	124.3	121.5	173.5	219.8	219.8	326.8	260.2	219.8	150.4	133.0	138.8
87.5°	49.2	49.2	63.7	69.4	60.7	83.8	66.5	72.3	57.8	54.9	57.8
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)