

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: P970998

Luminaire Tested: **NVN-SB6C-827-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970998
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-SB6C-827-U-5MQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42390.9 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

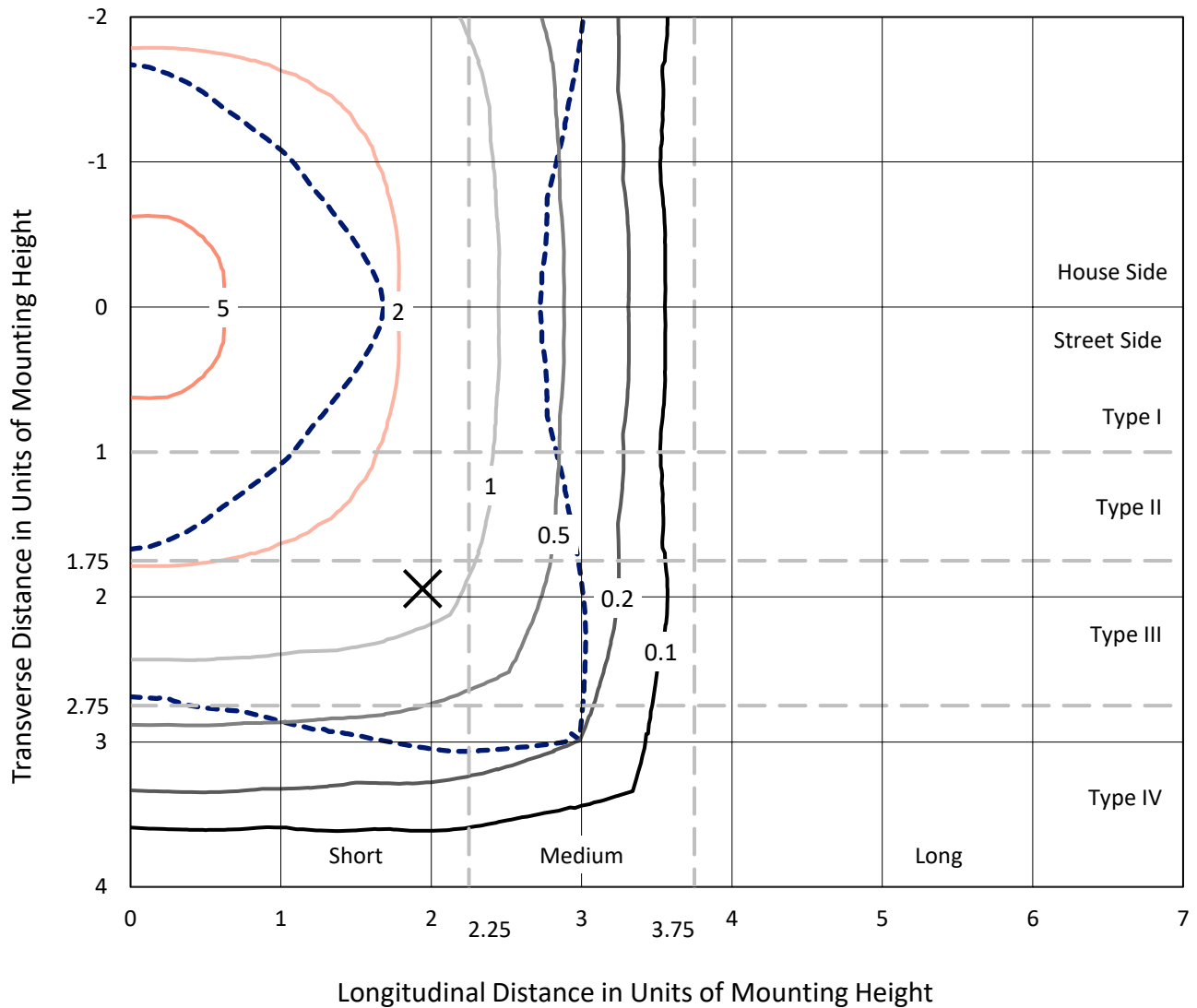
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

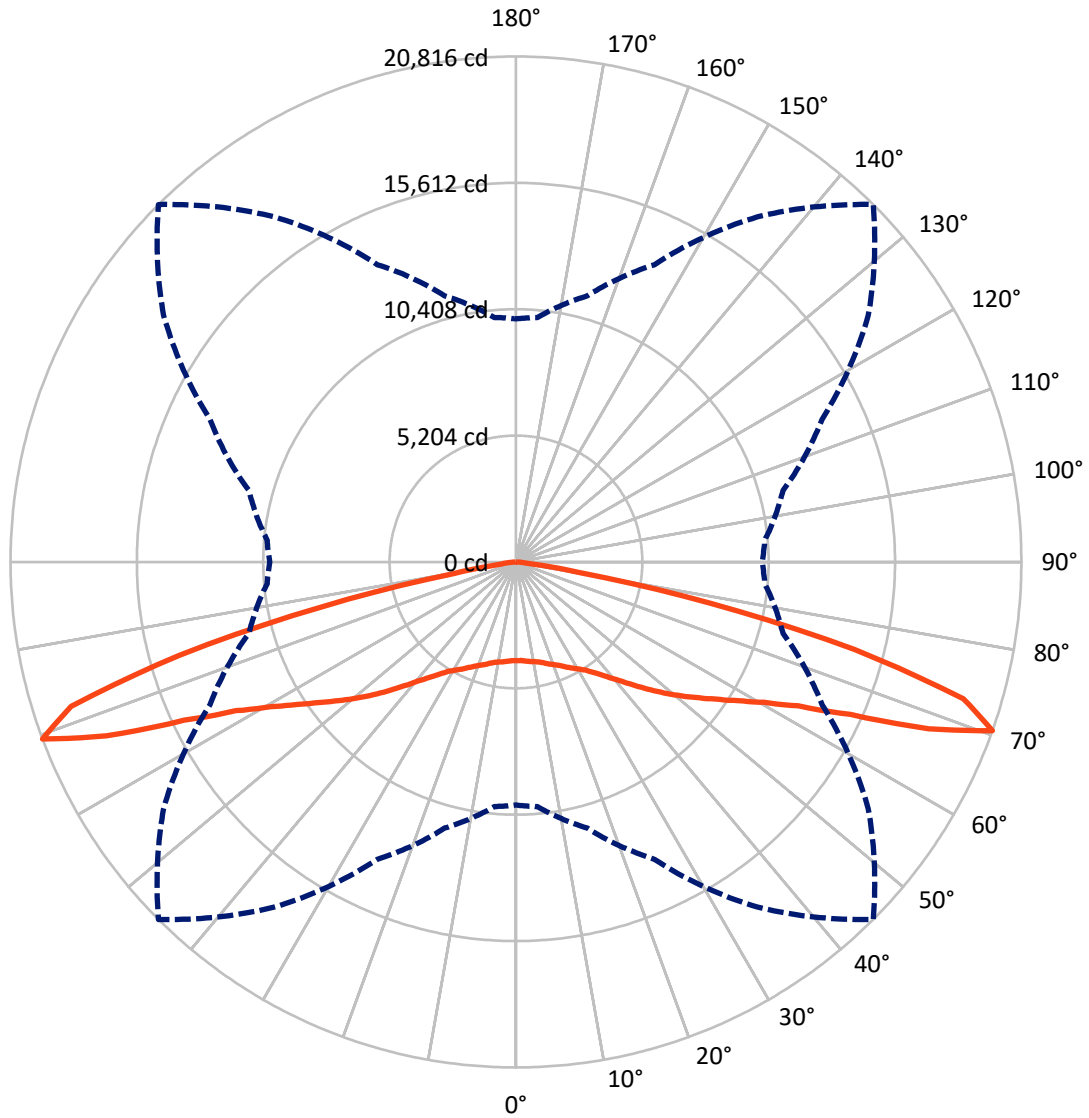
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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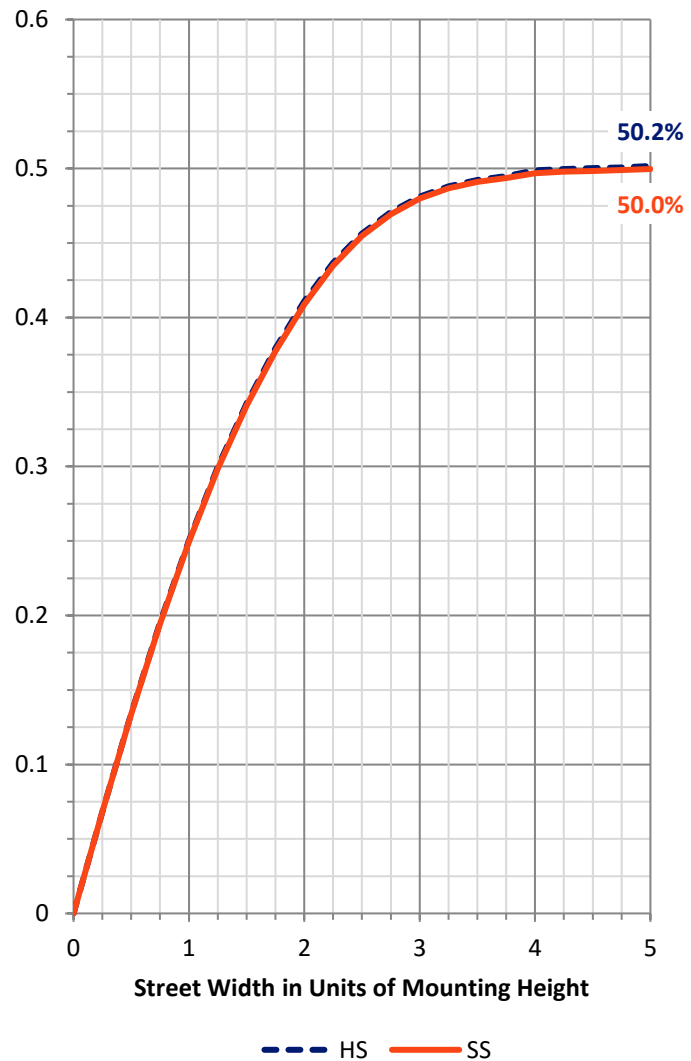
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21195.5	0.0	21195.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21195.5	0.0	21195.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42390.9	0.0	42390.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.5	0.9
10°-20°	1223.3	2.9
20°-30°	2186.1	5.2
30°-40°	3543.7	8.4
40°-50°	5772.1	13.6
50°-60°	8800.4	20.8
60°-70°	13092.2	30.9
70°-80°	7135.7	16.8
80°-90°	243.0	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°	42390.9	100.0
0°-180°	42390.9	100.0



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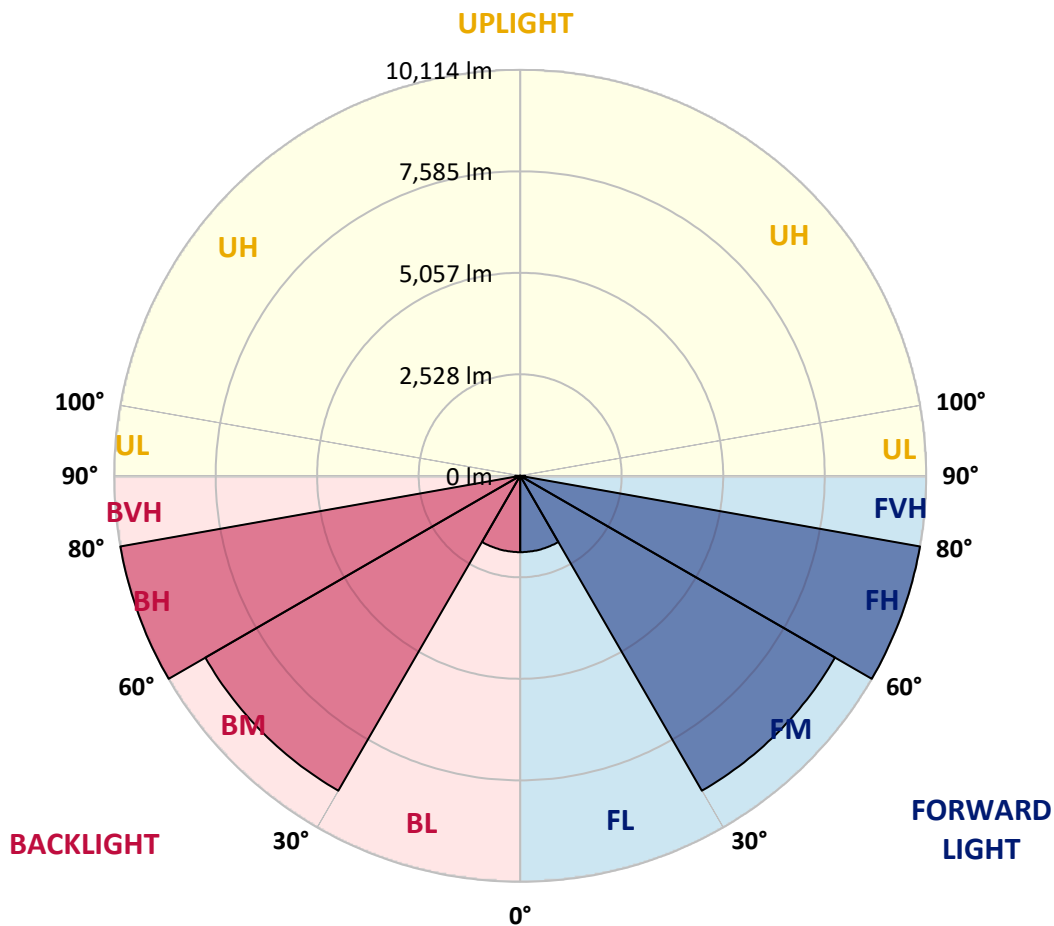
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1901.9	4.5			
FM (30°-60°)	9058.1	21.4			
FH (60°-80°)	10114.0	23.9			G4/12000
FVH (80°-90°)	121.5	0.3			G2/225
BL (0°-30°)	1901.9	4.5	B3/2500		
BM (30°-60°)	9058.1	21.4	B5		
BH (60°-80°)	10114.0	23.9	B5		G4/12000
BVH (80°-90°)	121.5	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4060.6	4060.6	4060.6	4060.6	4060.6	4060.6	4060.6	4060.6	4060.6	4060.6	4060.6
2.5°	4079.8	4084.0	4075.5	4071.3	4067.0	4060.6	4062.7	4073.3	4081.9	4079.8	4081.9
5°	4113.8	4118.0	4111.7	4109.5	4101.0	4098.9	4098.9	4109.5	4116.0	4111.7	4113.8
7.5°	4152.2	4158.5	4147.9	4145.7	4141.5	4137.2	4135.1	4145.7	4152.2	4152.2	4152.2
10°	4188.4	4194.7	4186.2	4179.7	4175.5	4175.5	4171.2	4179.7	4190.4	4188.4	4188.4
12.5°	4226.6	4230.9	4222.4	4218.1	4218.1	4224.4	4218.1	4222.4	4230.9	4226.6	4224.4
15°	4273.4	4275.6	4273.4	4279.8	4290.4	4311.8	4292.6	4288.3	4292.6	4281.9	4281.9
17.5°	4337.3	4341.5	4350.0	4365.0	4379.8	4418.2	4384.1	4373.5	4373.5	4352.2	4352.2
20°	4416.0	4422.4	4435.2	4460.7	4479.9	4516.0	4482.0	4467.1	4460.7	4433.0	4433.0
22.5°	4499.0	4509.7	4528.9	4562.9	4596.9	4631.0	4596.9	4571.4	4552.2	4516.0	4513.9
25°	4594.8	4607.6	4637.3	4692.7	4739.5	4788.5	4748.0	4697.0	4658.6	4607.6	4605.4
27.5°	4731.0	4745.9	4782.0	4850.2	4909.8	4952.3	4914.1	4848.0	4794.8	4733.1	4731.0
30°	4922.6	4937.4	4980.0	5052.3	5092.8	5120.5	5095.0	5043.8	4980.0	4909.8	4909.8
32.5°	5169.4	5188.5	5235.4	5303.5	5312.0	5316.3	5307.8	5282.2	5235.4	5150.2	5152.4
35°	5482.2	5503.5	5556.7	5612.1	5603.6	5612.1	5599.3	5590.8	5556.7	5458.8	5458.8
37.5°	5865.4	5890.9	5946.2	5988.8	5967.4	5956.9	5958.9	5961.1	5941.9	5833.4	5833.4
40°	6310.1	6344.1	6384.6	6429.3	6393.1	6361.2	6382.5	6399.5	6382.5	6271.8	6271.8
42.5°	6767.7	6816.7	6859.2	6923.1	6893.2	6852.8	6882.6	6901.7	6865.6	6746.4	6755.0
45°	7276.4	7323.1	7378.5	7474.3	7453.0	7410.4	7453.0	7457.2	7395.5	7255.1	7269.9
47.5°	7802.0	7851.0	7933.9	8061.6	8053.1	8006.3	8061.6	8031.8	7953.1	7785.0	7774.3
50°	8300.0	8368.1	8495.8	8674.6	8691.6	8634.1	8708.6	8651.1	8519.2	8308.5	8304.2
52.5°	8768.2	8840.5	9042.8	9285.4	9347.1	9272.6	9372.6	9272.6	9074.6	8804.3	8778.8
55°	9259.8	9340.7	9581.2	9898.3	10021.7	9966.4	10060.1	9908.9	9628.0	9300.2	9255.5
57.5°	9838.7	9887.7	10175.0	10551.7	10760.2	10773.0	10815.5	10560.2	10219.7	9847.2	9796.1
60°	10466.5	10534.6	10847.5	11298.7	11628.5	11734.9	11690.2	11311.4	10915.5	10487.8	10419.6
62.5°	11271.0	11345.4	11720.1	12260.5	12782.0	13045.9	12871.3	12322.3	11832.8	11319.9	11230.5
65°	11937.0	12020.1	12696.9	13660.9	14610.1	15140.1	14701.7	13690.7	12809.6	12086.1	11966.9
67.5°	11454.0	11556.2	12618.2	14388.7	16748.9	18330.2	16829.8	14605.8	12879.8	11898.8	11751.9
70°	10011.1	10106.8	11345.4	13509.8	17351.2	20816.0	17713.0	13907.8	11385.9	10287.7	10140.8
72.5°	6646.4	6954.9	8208.5	10804.9	15493.3	19262.4	15646.5	10585.7	7614.7	6631.4	6416.5
75°	2204.8	2451.7	3307.3	5601.4	10377.1	14405.8	9879.2	4956.6	2619.8	1885.6	1783.4
77.5°	555.4	640.6	883.2	1602.6	4139.4	8202.0	3726.5	1308.8	713.0	498.0	444.7
80°	270.3	298.0	425.7	534.2	1036.5	2607.1	972.6	502.2	336.3	259.6	238.3
82.5°	148.9	151.1	240.5	302.2	385.2	674.7	400.1	293.7	193.6	157.4	157.4
85°	91.5	89.4	127.7	161.7	161.7	240.5	191.6	161.7	110.7	97.9	102.2
87.5°	36.2	36.2	46.8	51.0	44.7	61.7	49.0	53.2	42.5	40.4	42.5
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)