

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: P968782

Luminaire Tested: **NVN-SB5C-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB5C-735-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38360.6 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

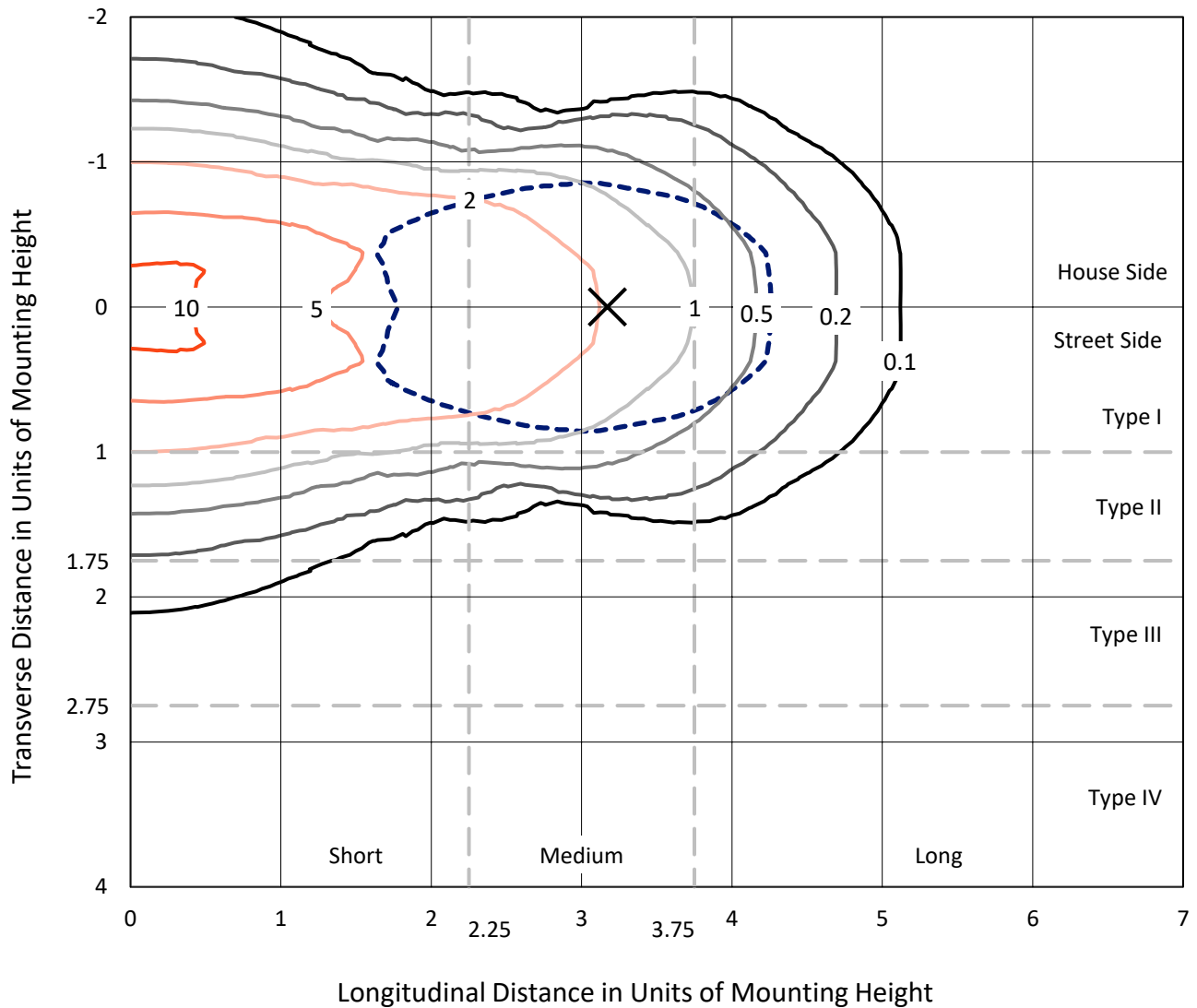
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

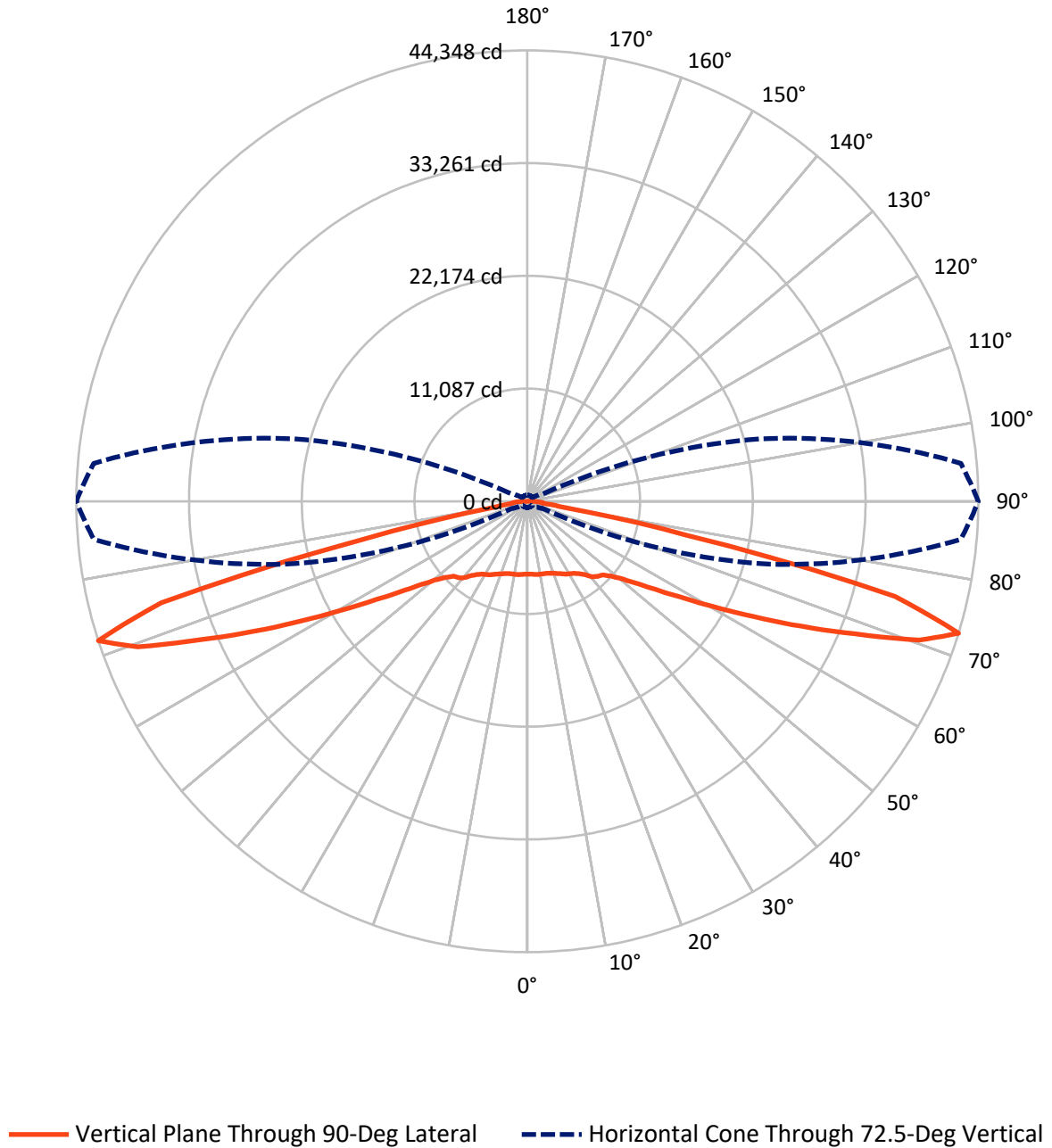
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	19180.3	0.0	19180.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19180.3	0.0	19180.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	38360.6	0.0	38360.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.0	1.8
10°-20°	2125.1	5.5
20°-30°	3543.5	9.2
30°-40°	4873.4	12.7
40°-50°	5951.7	15.5
50°-60°	6883.8	17.9
60°-70°	8207.8	21.4
70°-80°	5728.5	14.9
80°-90°	351.9	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°	38360.6	100.0
0°-180°	38360.6	100.0

Coefficient of Utilization



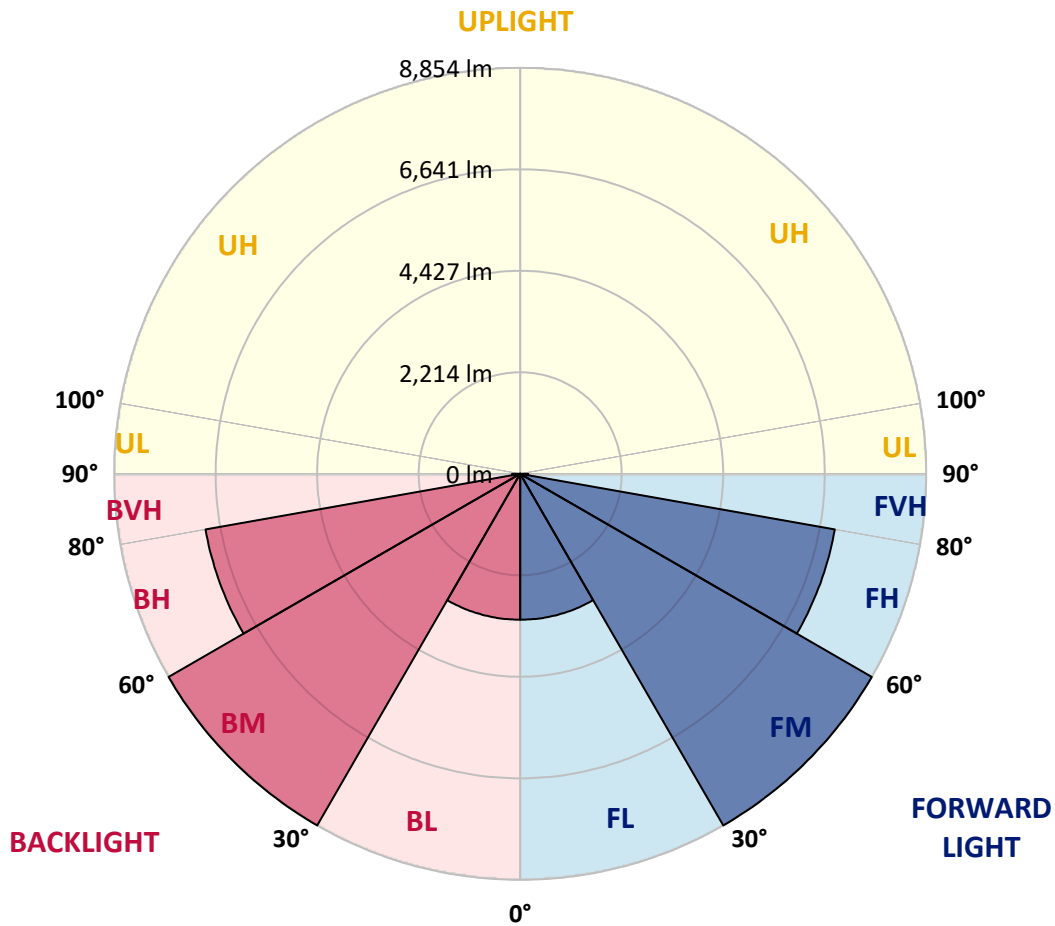
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3181.8	8.3			
FM (30°-60°)	8854.4	23.1			
FH (60°-80°)	6968.1	18.2			G3/7500
FVH (80°-90°)	175.9	0.5			G2/225
BL (0°-30°)	3181.8	8.3	B4/5000		
BM (30°-60°)	8854.4	23.1	B5		
BH (60°-80°)	6968.1	18.2	B5		G5
BVH (80°-90°)	175.9	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7168.1	7168.1	7168.1	7168.1	7168.1	7168.1	7168.1	7168.1	7168.1	7168.1	7168.1
2.5°	7174.2	7182.4	7182.4	7176.2	7190.5	7178.3	7178.3	7172.1	7178.3	7172.1	7172.1
5°	7210.9	7221.1	7225.1	7223.2	7241.5	7231.3	7231.3	7223.2	7225.1	7219.1	7219.1
7.5°	7280.3	7294.5	7302.6	7312.9	7339.3	7327.1	7318.9	7294.5	7284.3	7268.0	7268.0
10°	7302.6	7318.9	7345.5	7398.4	7459.6	7461.7	7437.2	7376.0	7329.2	7292.5	7286.3
12.5°	7233.3	7255.8	7310.8	7418.8	7555.5	7610.5	7571.8	7469.8	7378.1	7312.9	7302.6
15°	7145.7	7170.1	7253.7	7416.8	7618.6	7747.1	7743.0	7608.5	7461.7	7359.7	7343.4
17.5°	7009.1	7033.6	7153.8	7382.2	7667.6	7879.6	7936.7	7798.1	7592.2	7455.5	7433.1
20°	6762.3	6784.8	6952.0	7272.1	7683.9	8020.3	8169.0	8046.8	7789.9	7604.4	7569.7
22.5°	6442.3	6477.0	6672.6	7082.4	7645.2	8167.1	8434.1	8350.6	8020.3	7763.4	7716.5
25°	6099.8	6136.5	6364.8	6850.1	7545.2	8273.1	8748.1	8695.1	8281.2	7961.2	7895.9
27.5°	5804.2	5842.9	6091.7	6619.7	7390.4	8313.9	9057.9	9084.5	8597.2	8179.3	8110.0
30°	5571.8	5608.5	5873.6	6434.1	7190.5	8273.1	9329.1	9512.6	8919.3	8368.9	8269.0
32.5°	5317.0	5363.8	5643.1	6207.8	6954.0	8175.2	9565.6	9975.4	9292.4	8572.8	8446.3
35°	4994.8	5037.7	5331.2	5898.0	6644.2	8018.3	9763.3	10489.1	9826.6	8882.6	8741.9
37.5°	4603.4	4644.2	4935.7	5510.6	6336.3	7798.1	9914.2	11068.2	10462.6	9329.1	9141.6
40°	4209.9	4248.6	4521.9	5078.5	5967.2	7516.7	9967.2	11634.9	11192.5	9942.8	9742.9
42.5°	3849.1	3883.7	4134.5	4652.4	5553.4	7157.9	9897.9	12128.2	11846.9	10370.8	10114.0
45°	3516.8	3547.3	3769.5	4252.7	5123.3	6721.6	9689.9	12658.3	12625.7	10676.7	10330.2
47.5°	3137.5	3168.2	3398.5	3865.4	4693.1	6209.9	9337.2	13180.3	13708.2	11369.8	10970.3
50°	2674.7	2701.3	2937.8	3418.9	4246.6	5665.6	8848.0	13590.0	15074.2	12419.8	11918.3
52.5°	2126.4	2155.0	2385.3	2866.4	3716.5	5080.4	8203.8	13857.1	16652.1	13952.9	13335.1
55°	1582.0	1602.4	1802.3	2234.4	3060.1	4413.8	7396.4	13932.5	18442.1	16048.7	15276.0
57.5°	1147.8	1160.0	1288.4	1610.6	2320.1	3580.0	6415.8	13736.8	20572.6	18735.7	17763.2
60°	929.7	933.8	972.4	1115.2	1612.6	2638.0	5231.3	13064.0	22884.5	22199.4	20974.2
62.5°	844.0	844.0	854.2	893.0	1090.7	1741.1	3798.1	11669.5	25363.5	26576.6	24935.4
65°	784.9	784.9	788.9	807.3	860.3	1109.0	2397.5	9398.4	27453.2	31703.9	29628.5
67.5°	731.8	733.9	731.8	738.0	768.5	819.6	1390.4	6491.2	28578.5	37016.7	34776.2
70°	676.8	680.9	670.8	670.8	695.2	697.2	870.5	3559.6	27644.9	41469.3	40880.1
72.5°	611.6	617.8	601.4	597.4	615.7	607.5	654.5	1708.5	23734.6	42798.6	44348.0
75°	554.5	562.7	526.0	515.8	515.8	509.6	532.1	876.7	15404.4	34912.8	37343.0
77.5°	503.6	519.9	460.7	428.1	419.9	401.6	434.3	536.2	6737.9	16391.2	16050.7
80°	415.9	438.3	379.2	340.5	326.2	305.8	342.5	375.2	2004.1	3806.2	3645.2
82.5°	309.9	320.1	269.1	242.6	230.4	216.1	256.9	261.0	652.4	1347.6	1522.9
85°	197.7	201.8	165.1	142.7	136.6	130.5	163.1	142.7	248.8	990.8	1439.3
87.5°	69.3	79.5	63.2	57.1	61.2	50.9	75.4	42.8	69.3	699.3	866.4
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)