

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: P971509

Luminaire Tested: **NVN-SB6D-760-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P971509
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6D-760-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66677.3 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - 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

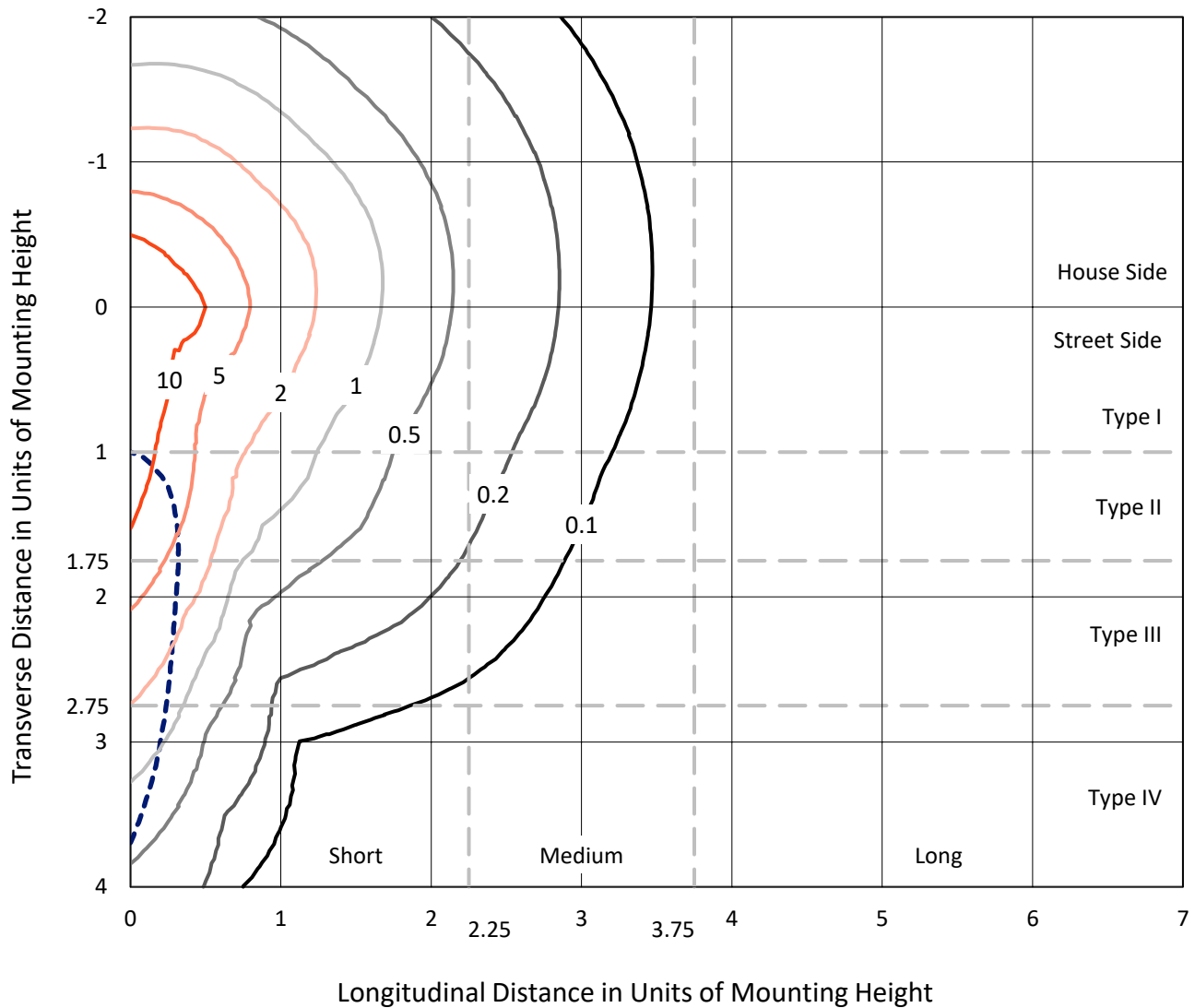


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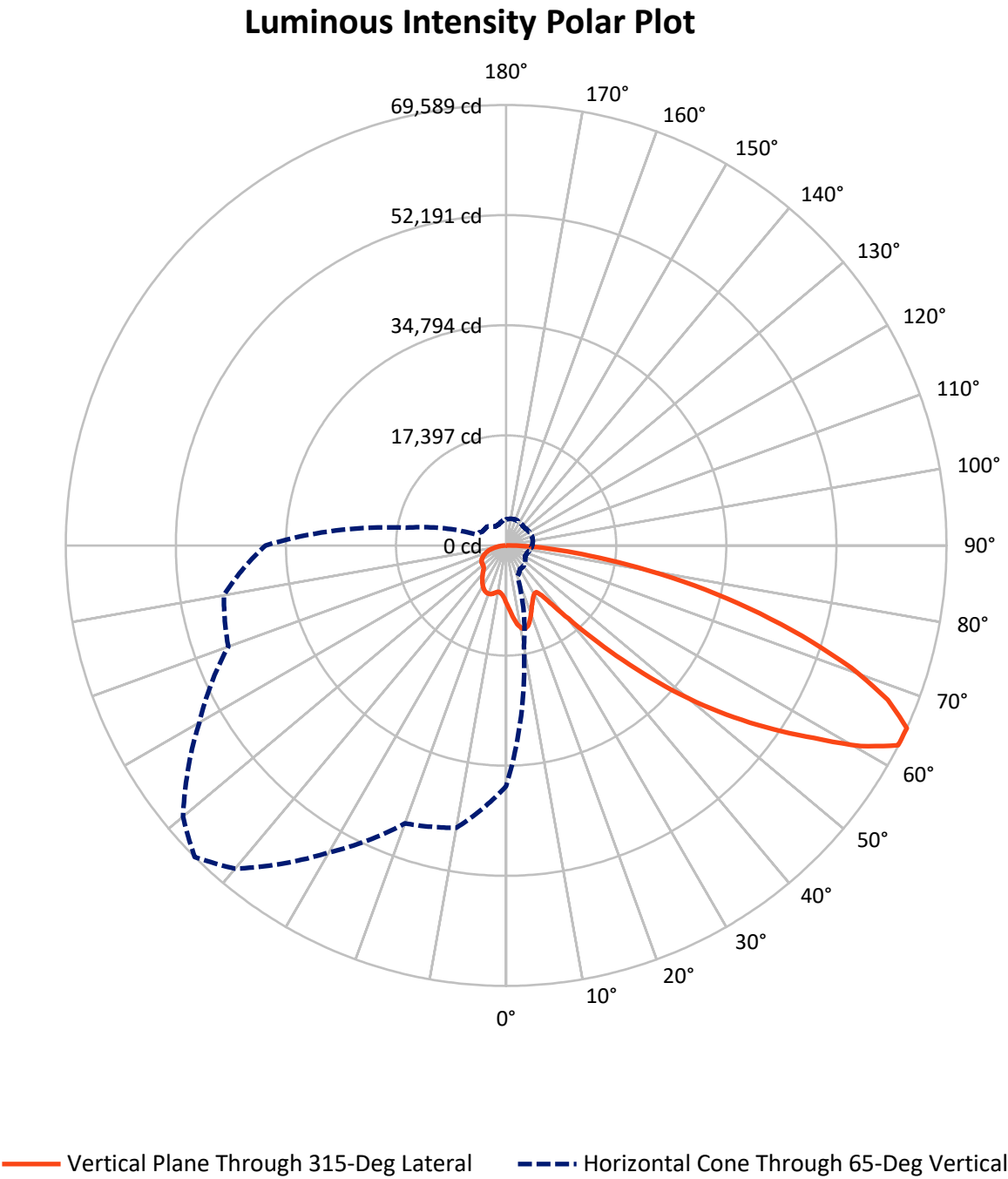
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 fc
Type IV - Short - N/A

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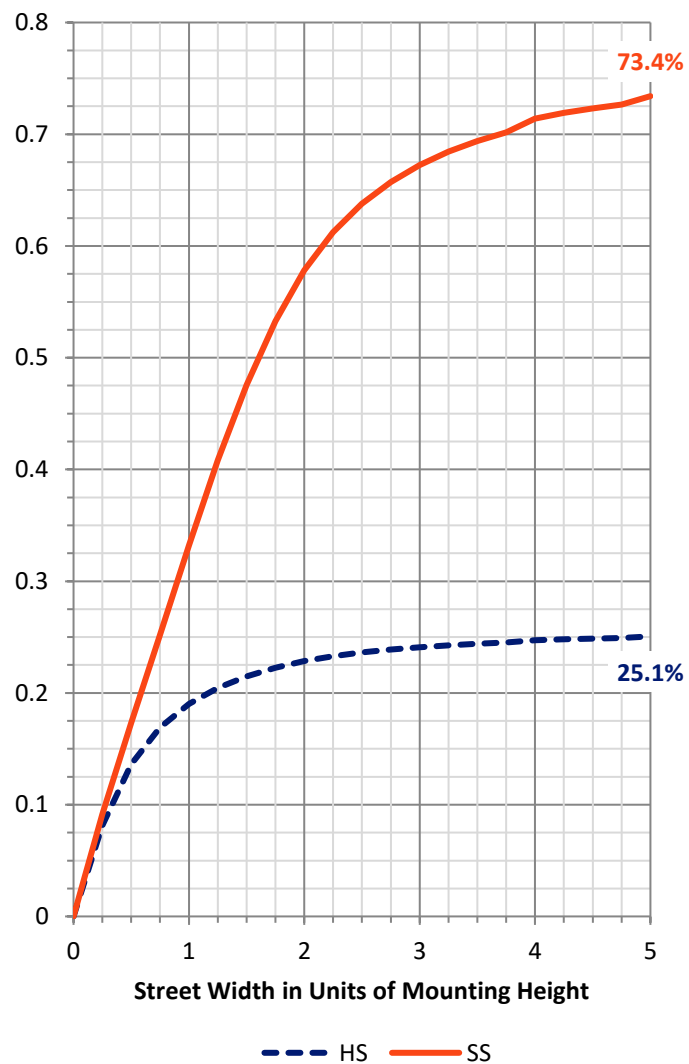
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16946.0	0.0	16946.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	49731.3	0.0	49731.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	66677.3	0.0	66677.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	909.5	1.4
10°-20°	2855.2	4.3
20°-30°	4410.3	6.6
30°-40°	5588.9	8.4
40°-50°	8429.5	12.6
50°-60°	13619.2	20.4
60°-70°	16978.5	25.5
70°-80°	11133.6	16.7
80°-90°	2752.5	4.1
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°	66677.3	100.0
0°-180°	66677.3	100.0

Coefficient of Utilization



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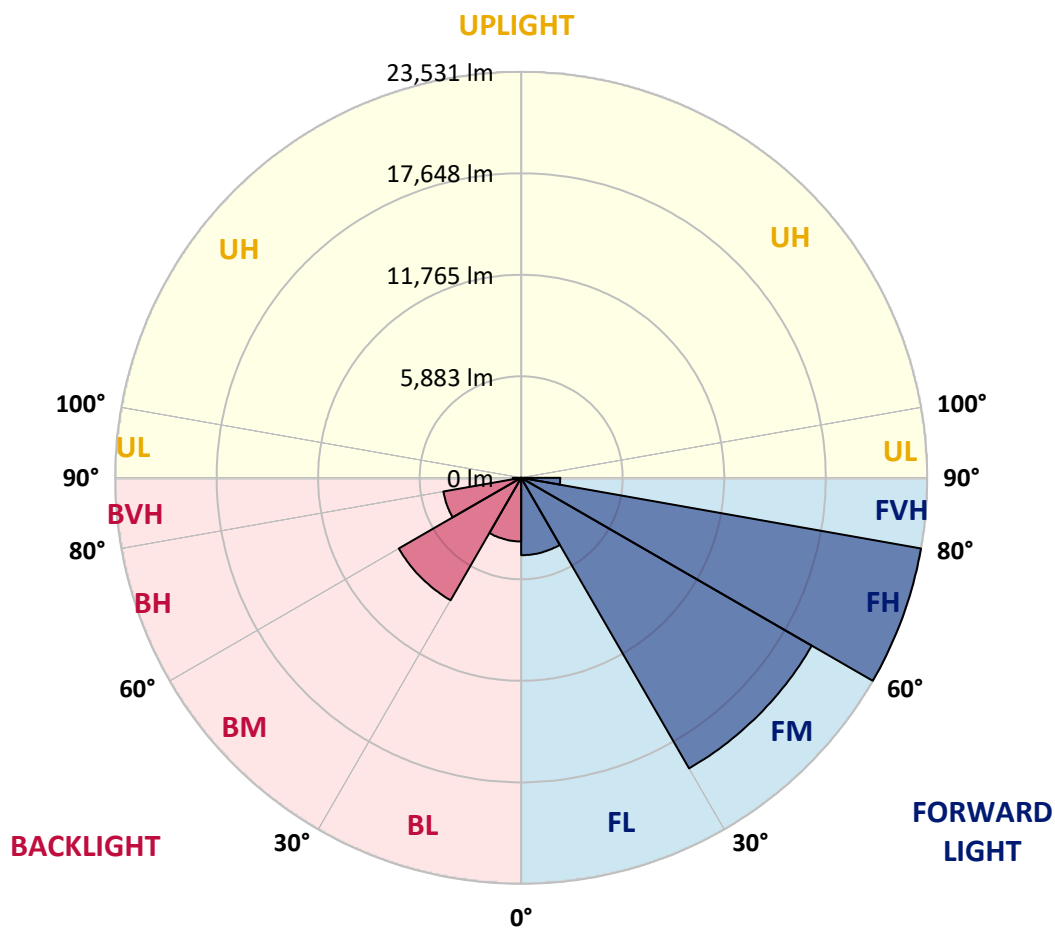
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4484.8	6.7			
FM	(30°-60°)	19448.3	29.2			
FH	(60°-80°)	23530.7	35.3			G5
FVH	(80°-90°)	2267.5	3.4			G5
BL	(0°-30°)	3690.2	5.5	B4/5000		
BM	(30°-60°)	8189.3	12.3	B4/8500		
BH	(60°-80°)	4581.4	6.9	B4/5000		G4/5000
BVH	(80°-90°)	485.0	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	9168.7	9168.7	9168.7	9168.7	9168.7	9168.7	9168.7
2.5°	10104.6	10072.9	10041.2	9988.1	9935.0	9897.3	9860.1
5°	11263.8	11193.5	11123.1	10993.3	10863.8	10733.0	10602.4
7.5°	12385.2	12270.1	12155.1	11964.0	11772.9	11560.8	11348.3
10°	13141.5	13006.4	12870.6	12646.6	12422.4	12171.3	11920.0
12.5°	13416.0	13317.5	13219.0	13017.0	12814.3	12542.4	12270.1
15°	13214.1	13210.5	13207.0	13079.6	12952.6	12718.0	12483.0
17.5°	12639.5	12782.0	12924.5	12922.4	12919.9	12761.2	12602.6
20°	11882.0	12196.6	12511.0	12678.2	12845.3	12789.7	12734.5
22.5°	11124.8	11587.5	12050.2	12396.3	12742.6	12815.1	12887.5
25°	10452.1	11014.0	11575.9	12101.6	12627.2	12855.9	13084.5
27.5°	9896.3	10519.1	11141.7	11837.7	12534.0	12943.1	13352.0
30°	9481.9	10130.6	10779.4	11636.4	12493.5	13102.9	13712.6
32.5°	9310.2	9919.8	10529.6	11499.3	12468.8	13303.4	14138.3
35°	9745.0	10168.2	10591.8	11602.0	12612.4	13633.7	14655.4
37.5°	11231.1	11258.6	11286.0	12204.3	13122.6	14324.4	15526.3
40°	13826.2	13344.3	12862.2	13545.1	14228.0	15535.1	16842.1
42.5°	17309.4	16258.0	15206.8	15600.2	15993.5	17290.3	18587.2
45°	21433.5	19749.0	18064.7	18238.5	18412.0	19577.3	20742.2
47.5°	25958.7	23529.7	21099.9	21135.2	21170.4	22303.9	23437.1
50°	30444.5	27313.3	24182.0	24176.1	24170.0	25569.6	26969.6
52.5°	34772.1	31031.8	27291.4	27463.1	27634.5	29329.2	31024.4
55°	38981.1	34818.5	30655.7	31323.8	31991.9	33666.6	35341.4
57.5°	43170.3	38967.0	34763.7	36103.5	37443.6	38355.8	39267.8
60°	49101.5	45123.7	41145.9	42810.0	44474.1	43057.4	41640.9
62.5°	55089.6	51445.4	47801.4	47989.3	48176.8	44306.3	40435.8
65°	55988.6	51357.4	46726.6	46008.1	45289.3	41656.7	38024.1
67.5°	52025.8	47201.2	42376.2	42039.6	41702.4	38247.5	34792.5
70°	47357.0	43042.6	38727.7	38576.8	38426.2	34668.0	30910.1
72.5°	41876.6	38500.8	35125.0	35017.0	34908.6	30595.8	26283.5
75°	35411.7	32785.3	30158.9	29758.2	29357.4	24894.1	20430.8
77.5°	28070.8	26074.2	24077.6	23504.1	22930.6	18763.9	14597.4
80°	21005.0	19497.8	17989.8	17277.0	16564.2	13059.2	9553.9
82.5°	14015.1	12977.2	11939.4	11142.8	10346.7	7950.0	5553.7
85°	8047.1	7194.6	6341.8	5664.5	4987.2	3715.3	2443.5
87.5°	3219.9	2793.5	2367.1	1989.2	1611.4	1183.9	756.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)