

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: P967345

Luminaire Tested: **NVN-SB4D-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P967345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB4D-830-U-RW
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38679.4 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 293.6
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

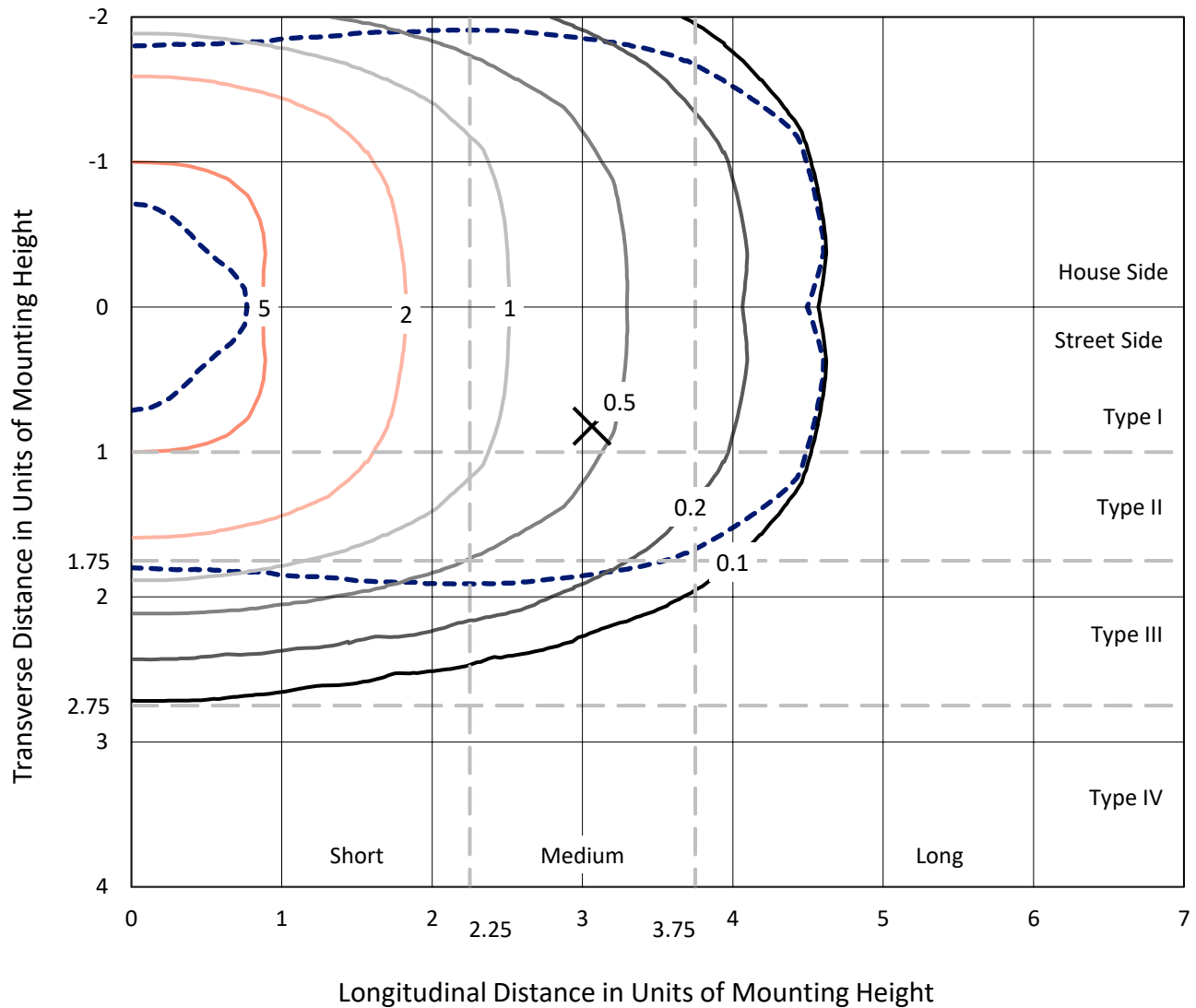


REPORT NUMBER: P967345

CATALOG NUMBER: NVN-SB4D-830-U-RW

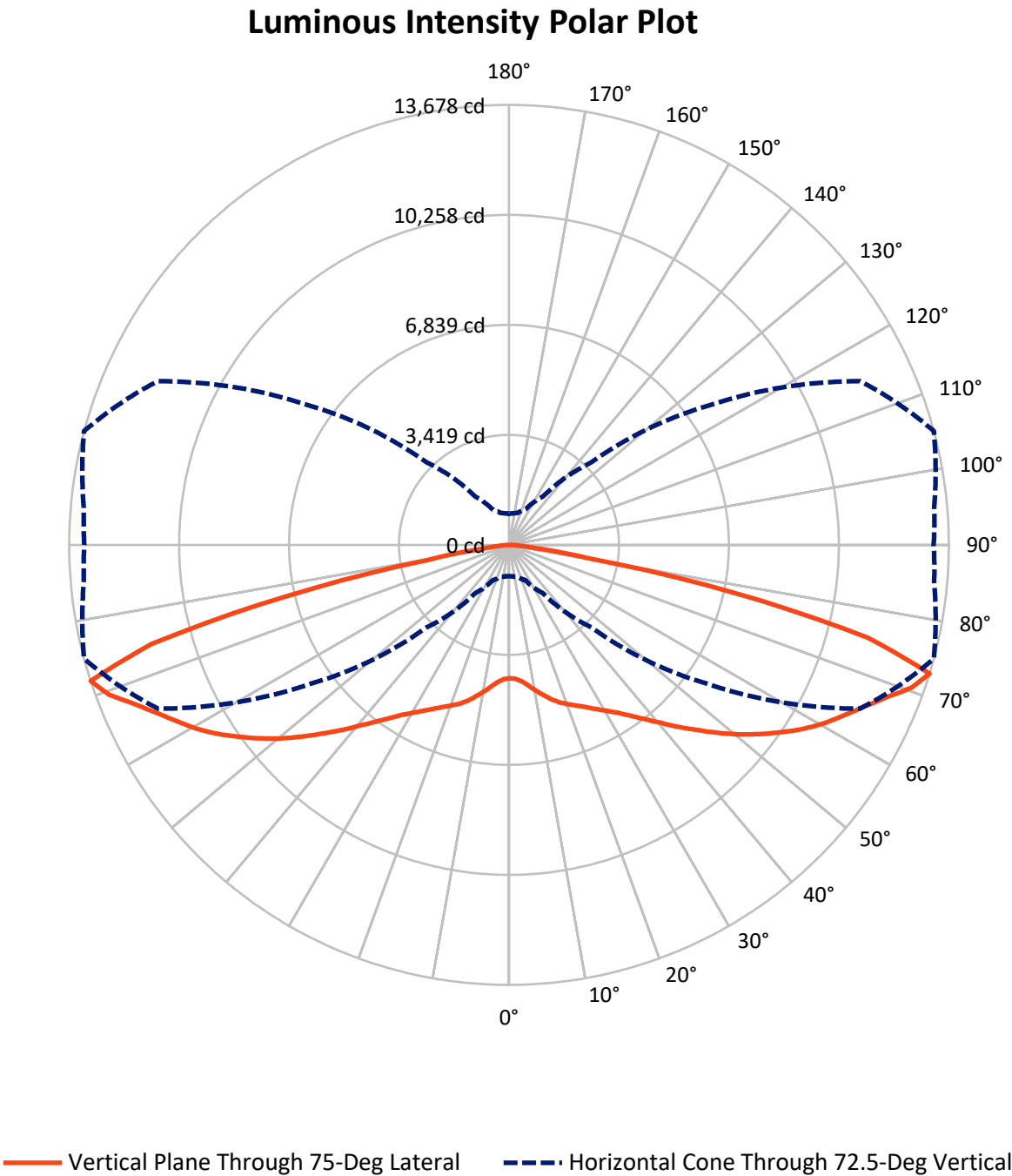
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
Type III - Medium - N/A

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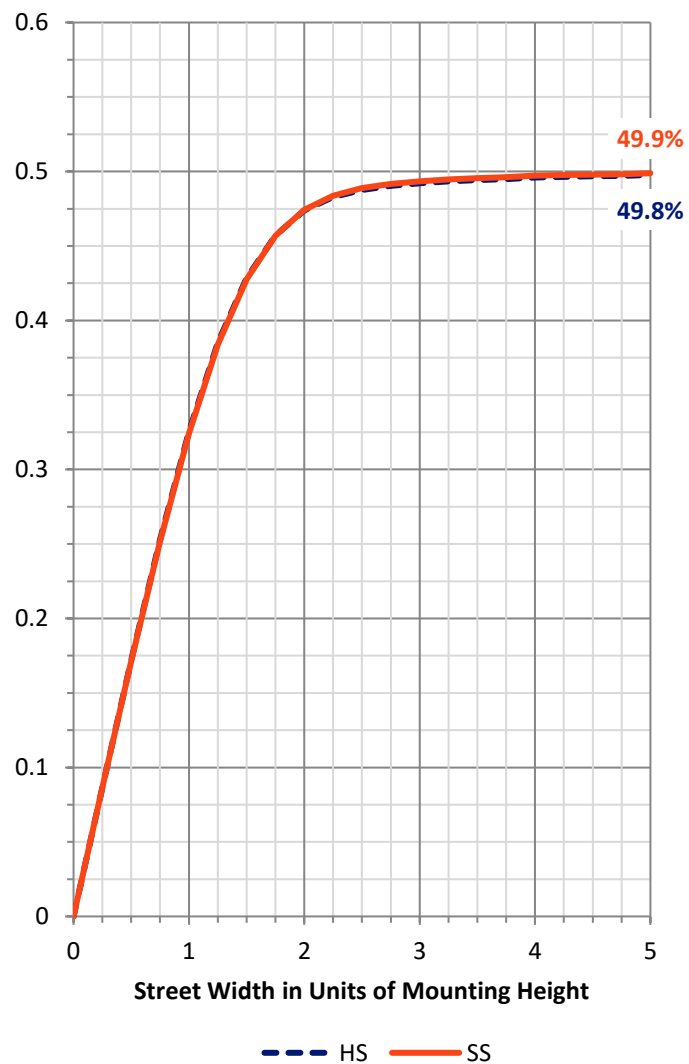
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19339.7	0.0	19339.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19339.7	0.0	19339.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	38679.4	0.0	38679.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.9	1.0
10°-20°	1338.6	3.5
20°-30°	2586.6	6.7
30°-40°	4367.7	11.3
40°-50°	6926.7	17.9
50°-60°	9274.0	24.0
60°-70°	8825.9	22.8
70°-80°	4605.5	11.9
80°-90°	348.6	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°	38679.4	100.0
0°-180°	38679.4	100.0

Coefficient of Utilization



REPORT NUMBER: P967345

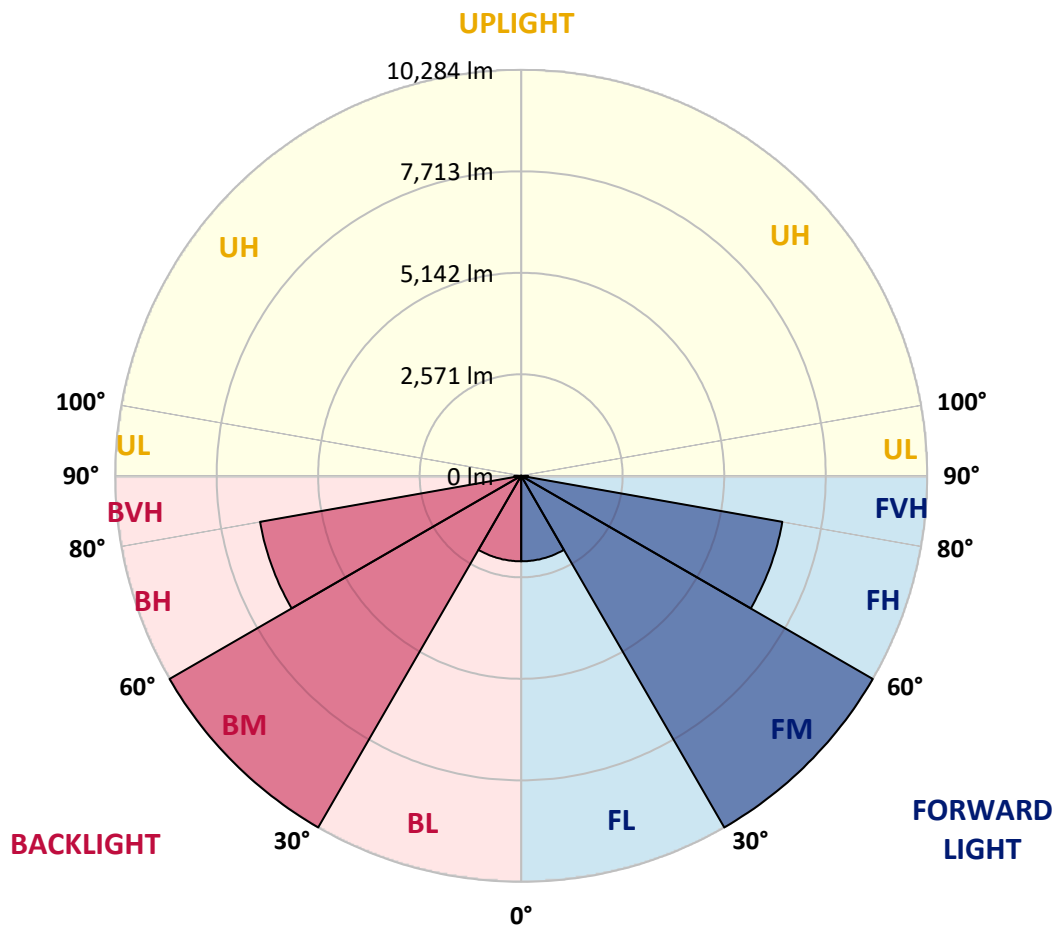
CATALOG NUMBER: NVN-SB4D-830-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2165.6	5.6			
FM	(30°-60°)	10284.2	26.6			
FH	(60°-80°)	6715.7	17.4			G3/7500
FVH	(80°-90°)	174.3	0.5			G2/225
BL	(0°-30°)	2165.6	5.6	B3/2500		
BM	(30°-60°)	10284.2	26.6	B5		
BH	(60°-80°)	6715.7	17.4	B5		G5
BVH	(80°-90°)	174.3	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 III Medium



REPORT NUMBER: P967345

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4143.3	4143.3	4143.3	4143.3	4143.3	4143.3	4143.3	4143.3	4143.3	4143.3	4143.3
2.5°	4143.3	4139.3	4143.3	4147.3	4145.2	4145.2	4155.1	4161.0	4172.9	4170.9	4168.9
5°	4115.6	4113.6	4129.4	4147.3	4161.0	4184.8	4214.4	4236.1	4263.7	4269.6	4269.6
7.5°	4101.7	4095.9	4123.5	4155.1	4198.5	4257.7	4315.0	4374.3	4421.7	4437.5	4441.4
10°	4111.7	4113.6	4151.1	4210.4	4279.5	4362.5	4443.5	4544.1	4611.3	4627.1	4642.9
12.5°	4157.1	4153.1	4216.3	4311.2	4406.0	4510.6	4605.3	4715.9	4789.0	4826.5	4842.4
15°	4240.0	4232.1	4321.0	4461.2	4599.5	4721.9	4798.9	4903.6	4988.5	5035.9	5053.7
17.5°	4338.7	4342.7	4459.3	4640.9	4822.6	4960.9	5033.9	5087.3	5152.4	5193.9	5213.7
20°	4512.6	4520.5	4650.8	4866.1	5073.4	5231.4	5290.6	5270.9	5288.7	5320.3	5343.9
22.5°	4745.5	4749.5	4895.7	5128.7	5346.0	5519.7	5559.2	5478.2	5428.9	5450.6	5466.4
25°	5016.1	5041.8	5187.9	5427.0	5650.1	5816.0	5833.8	5711.3	5588.8	5594.8	5604.7
27.5°	5346.0	5369.7	5517.8	5754.8	5981.9	6126.0	6124.1	5960.2	5780.4	5735.0	5748.8
30°	5703.4	5729.0	5881.1	6126.0	6337.4	6463.8	6436.1	6240.5	5983.8	5898.9	5908.8
32.5°	6128.0	6143.7	6297.8	6542.7	6738.2	6838.9	6781.7	6540.7	6220.8	6124.1	6147.7
35°	6641.5	6665.2	6779.7	7010.8	7182.6	7265.5	7168.7	6884.4	6524.9	6416.3	6432.1
37.5°	7228.0	7212.2	7342.5	7547.9	7690.1	7741.4	7609.1	7271.5	6872.5	6744.2	6767.9
40°	7840.2	7832.3	7974.5	8172.0	8249.0	8280.6	8085.1	7715.8	7273.4	7135.1	7180.6
42.5°	8395.2	8389.2	8580.8	8799.9	8892.8	8857.2	8610.4	8187.8	7737.5	7579.5	7619.0
45°	8839.5	8831.6	9066.5	9374.6	9556.4	9497.1	9165.3	8709.1	8207.5	8043.6	8081.1
47.5°	9181.1	9185.0	9437.9	9819.0	10136.9	10158.7	9732.1	9240.4	8724.9	8539.3	8594.6
50°	9427.9	9439.8	9710.3	10133.0	10567.4	10759.0	10310.8	9785.5	9260.2	9050.8	9114.0
52.5°	9489.2	9511.0	9836.8	10332.5	10844.0	11209.3	10899.2	10308.7	9767.6	9568.2	9619.5
55°	9163.4	9206.8	9619.5	10316.6	11013.8	11505.5	11416.7	10840.0	10279.1	10073.8	10131.0
57.5°	8414.8	8476.1	8958.0	9868.4	10976.3	11709.0	11817.5	11349.5	10790.6	10593.2	10638.6
60°	7366.3	7439.3	7901.4	8894.7	10447.0	11784.0	12099.9	11845.2	11260.6	11069.1	11110.6
62.5°	5784.4	5879.2	6432.1	7597.3	9329.2	11434.5	12340.9	12293.5	11683.3	11444.3	11472.0
65°	3710.8	3811.5	4394.1	5770.5	7838.2	10364.1	12415.9	12730.0	12129.5	11795.8	11837.3
67.5°	2237.5	2283.0	2571.3	3497.5	5729.0	8750.6	11780.0	13213.8	12651.0	12236.2	12267.8
70°	1431.8	1457.4	1629.2	2053.9	3238.8	6384.7	10204.1	13304.6	13282.9	12688.5	12684.5
72.5°	971.6	979.5	1025.0	1216.5	1832.7	3627.8	7526.2	12044.7	13677.9	13271.1	13207.8
75°	710.9	754.4	827.5	861.0	1040.8	1812.9	4313.1	8462.3	11527.3	11705.0	11274.5
77.5°	529.3	531.3	631.9	671.5	742.5	965.8	1824.8	4723.8	7156.9	7514.4	6702.7
80°	448.3	424.6	422.6	541.1	558.9	602.3	815.6	1631.2	2563.3	1554.2	1175.1
82.5°	373.2	347.6	314.0	422.6	381.2	369.3	353.5	663.6	815.6	400.9	341.6
85°	260.7	248.9	237.0	276.4	217.2	185.6	169.8	310.1	343.6	169.8	150.1
87.5°	112.5	116.5	118.5	122.5	90.8	65.2	65.2	86.9	86.9	67.1	49.4
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)