

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: P964705

Luminaire Tested: **NVN-SB3C-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964705
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-SB3C-830-U-5MQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21673.6 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 149.1
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



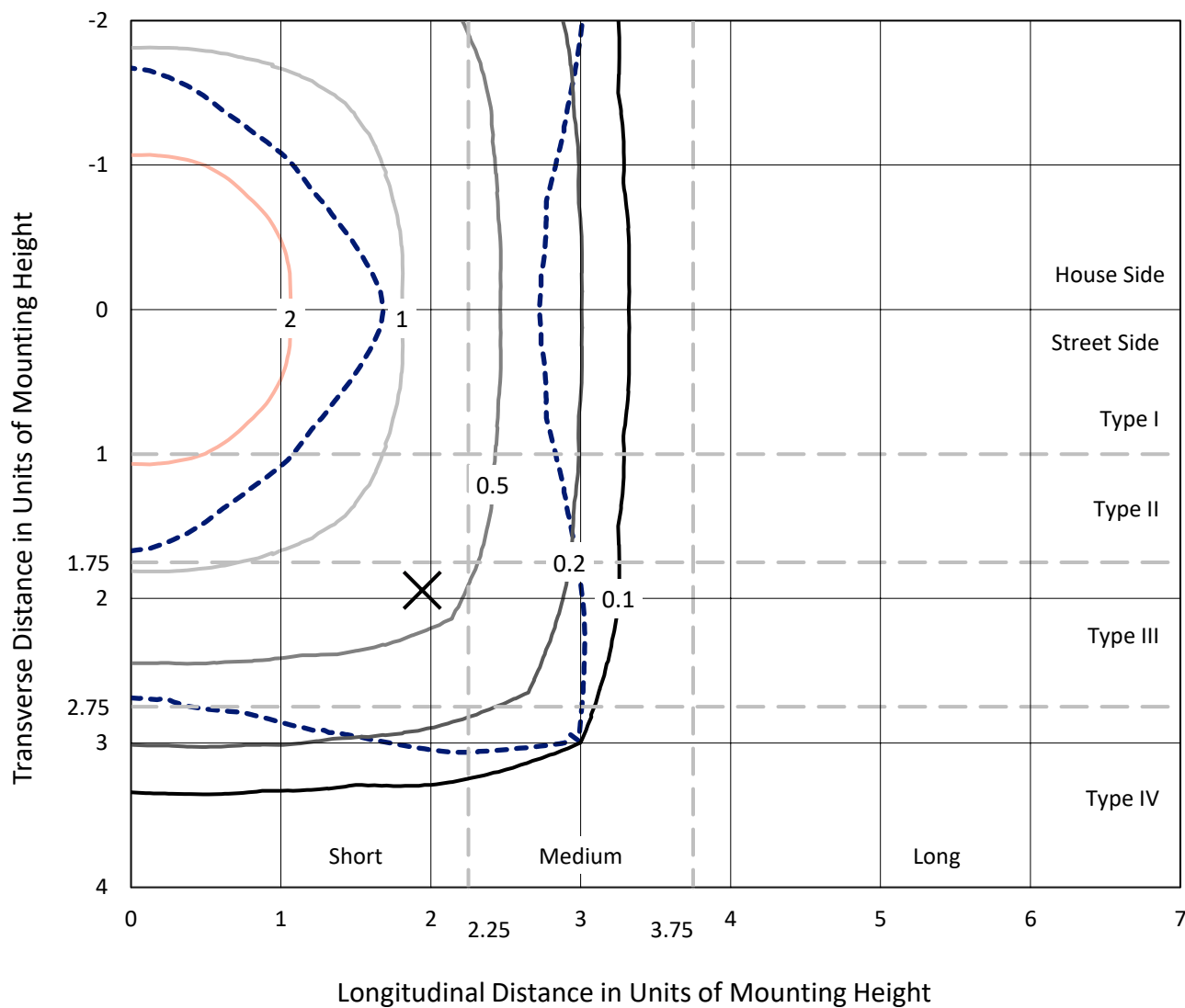
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Iso-Footcandle Lines of Horizontal Illumination

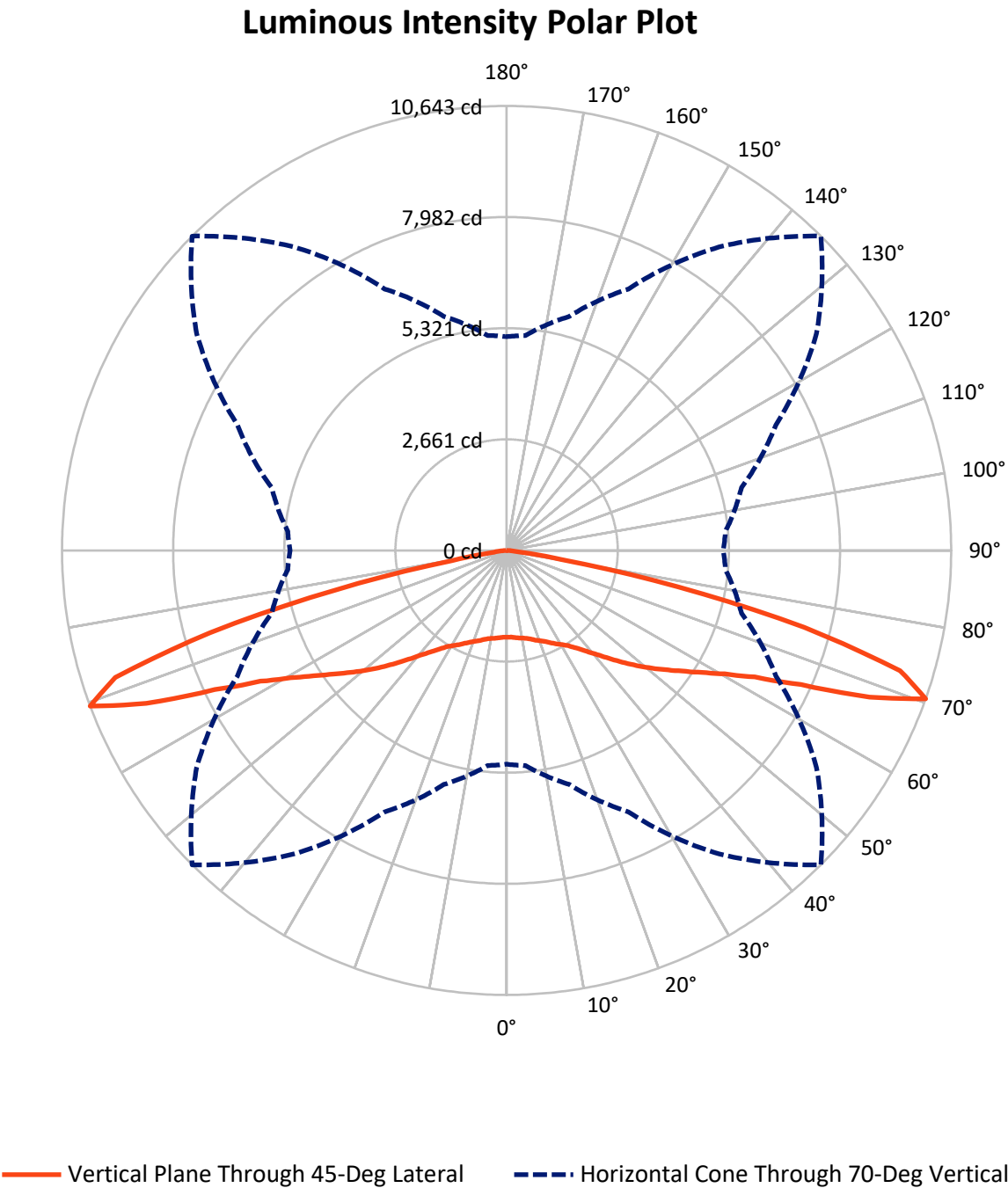
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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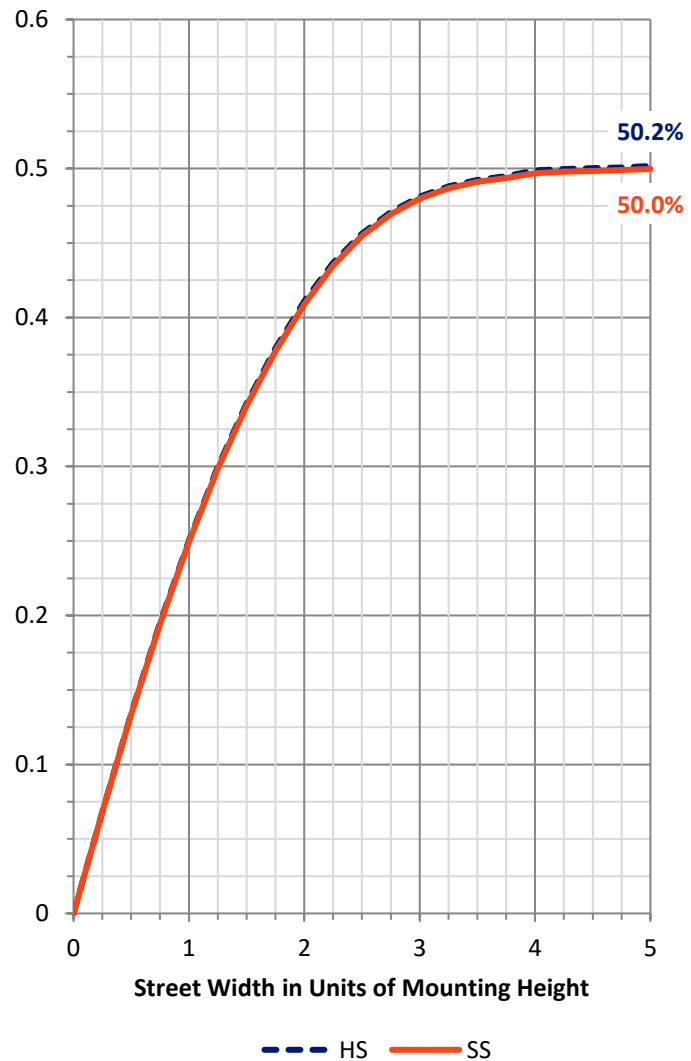
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10836.8	0.0	10836.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10836.8	0.0	10836.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	21673.6	0.0	21673.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.7	0.9
10°-20°	625.4	2.9
20°-30°	1117.7	5.2
30°-40°	1811.8	8.4
40°-50°	2951.1	13.6
50°-60°	4499.5	20.8
60°-70°	6693.8	30.9
70°-80°	3648.3	16.8
80°-90°	124.2	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°	21673.6	100.0
0°-180°	21673.6	100.0

Coefficient of Utilization



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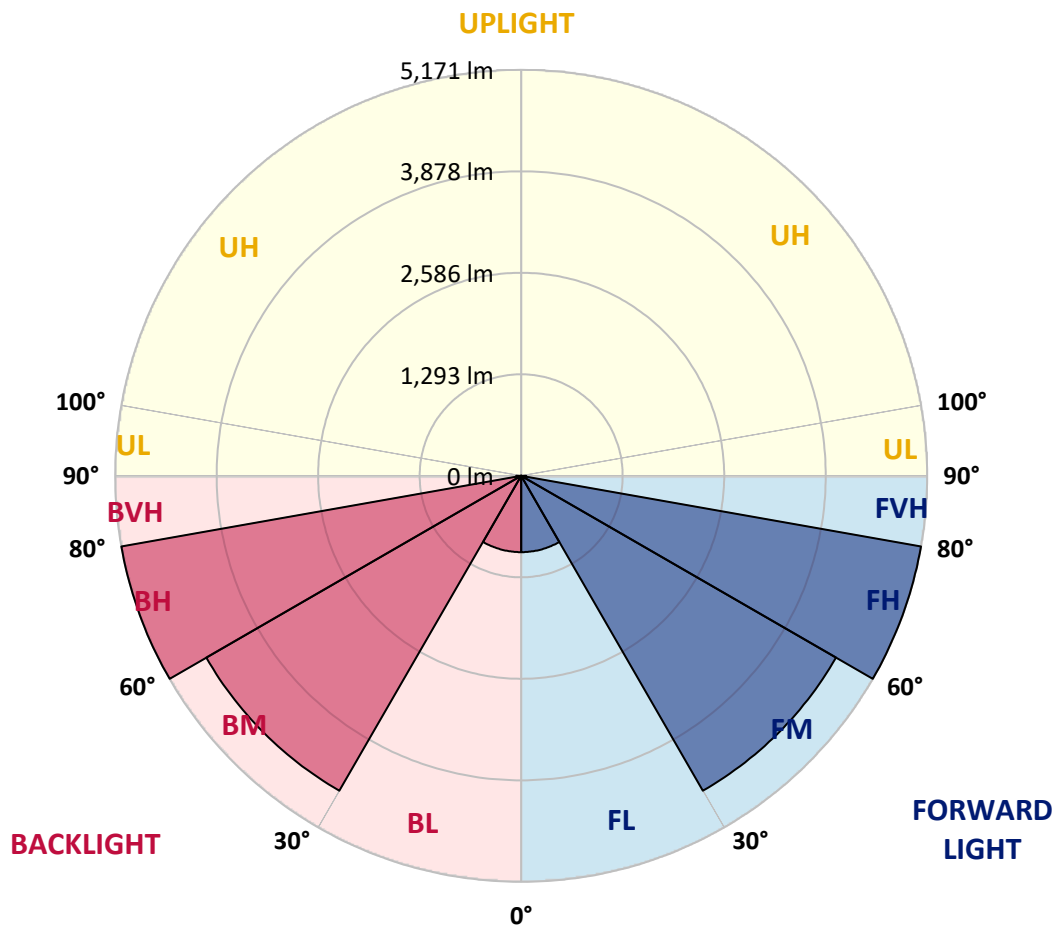
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	972.4	4.5			
FM	(30°-60°)	4631.2	21.4			
FH	(60°-80°)	5171.1	23.9			G3/7500
FVH	(80°-90°)	62.1	0.3			G1/100
BL	(0°-30°)	972.4	4.5	B2/1000		
BM	(30°-60°)	4631.2	21.4	B3/5000		
BH	(60°-80°)	5171.1	23.9	B5		G3/7500
BVH	(80°-90°)	62.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2076.1	2076.1	2076.1	2076.1	2076.1	2076.1	2076.1	2076.1	2076.1	2076.1	2076.1
2.5°	2085.9	2088.0	2083.7	2081.6	2079.4	2076.1	2077.2	2082.6	2087.0	2085.9	2087.0
5°	2103.3	2105.5	2102.2	2101.1	2096.7	2095.7	2095.7	2101.1	2104.4	2102.2	2103.3
7.5°	2122.9	2126.2	2120.7	2119.6	2117.4	2115.3	2114.2	2119.6	2122.9	2122.9	2122.9
10°	2141.4	2144.7	2140.3	2137.0	2134.9	2134.9	2132.7	2137.0	2142.5	2141.4	2141.4
12.5°	2161.0	2163.2	2158.9	2156.6	2156.6	2159.9	2156.6	2158.9	2163.2	2161.0	2159.9
15°	2184.9	2186.0	2184.9	2188.2	2193.6	2204.5	2194.7	2192.6	2194.7	2189.3	2189.3
17.5°	2217.6	2219.7	2224.0	2231.7	2239.3	2258.9	2241.5	2236.0	2236.0	2225.2	2225.2
20°	2257.9	2261.0	2267.6	2280.6	2290.5	2308.9	2291.6	2283.9	2280.6	2266.5	2266.5
22.5°	2300.3	2305.7	2315.5	2332.9	2350.3	2367.8	2350.3	2337.2	2327.5	2308.9	2307.9
25°	2349.2	2355.8	2371.0	2399.3	2423.2	2448.2	2427.6	2401.5	2381.9	2355.8	2354.6
27.5°	2418.9	2426.5	2444.9	2479.8	2510.2	2532.1	2512.5	2478.8	2451.5	2419.9	2418.9
30°	2516.8	2524.4	2546.2	2583.2	2603.8	2618.0	2604.9	2578.8	2546.2	2510.2	2510.2
32.5°	2643.0	2652.8	2676.8	2711.5	2715.9	2718.1	2713.8	2700.7	2676.8	2633.2	2634.4
35°	2803.0	2813.8	2841.1	2869.4	2865.0	2869.4	2862.8	2858.4	2841.1	2791.0	2791.0
37.5°	2998.8	3011.9	3040.1	3062.0	3051.0	3045.6	3046.7	3047.8	3038.0	2982.5	2982.5
40°	3226.2	3243.6	3264.3	3287.2	3268.7	3252.3	3263.2	3271.9	3263.2	3206.6	3206.6
42.5°	3460.2	3485.2	3506.9	3539.6	3524.4	3503.7	3518.9	3528.8	3510.2	3449.3	3453.6
45°	3720.2	3744.2	3772.5	3821.4	3810.5	3788.8	3810.5	3812.7	3781.1	3709.4	3717.0
47.5°	3989.0	4014.0	4056.4	4121.7	4117.4	4093.4	4121.7	4106.6	4066.3	3980.3	3974.8
50°	4243.6	4278.5	4343.7	4435.2	4443.8	4414.5	4452.5	4423.2	4355.7	4248.0	4245.8
52.5°	4483.0	4520.0	4623.4	4747.4	4779.0	4740.9	4792.0	4740.9	4639.7	4501.5	4488.5
55°	4734.4	4775.7	4898.7	5060.8	5123.9	5095.6	5143.4	5066.3	4922.6	4755.1	4732.2
57.5°	5030.3	5055.3	5202.3	5394.9	5501.5	5508.0	5529.8	5399.2	5225.1	5034.7	5008.6
60°	5351.3	5386.2	5546.1	5776.8	5945.4	5999.8	5977.0	5783.3	5580.9	5362.2	5327.3
62.5°	5762.7	5800.7	5992.3	6268.6	6535.2	6670.1	6580.9	6300.2	6049.9	5787.7	5741.9
65°	6103.2	6145.6	6491.6	6984.6	7469.9	7740.8	7516.6	6999.8	6549.3	6179.3	6118.4
67.5°	5856.2	5908.4	6451.3	7356.7	8563.4	9371.9	8604.8	7467.6	6585.2	6083.6	6008.5
70°	5118.4	5167.4	5800.7	6907.3	8871.4	10642.8	9056.3	7110.7	5821.4	5259.9	5184.9
72.5°	3398.2	3555.9	4196.9	5524.3	7921.4	9848.5	7999.7	5412.2	3893.3	3390.5	3280.6
75°	1127.3	1253.5	1690.9	2863.8	5305.6	7365.4	5051.0	2534.2	1339.5	964.0	911.8
77.5°	284.0	327.5	451.6	819.4	2116.4	4193.6	1905.3	669.2	364.5	254.6	227.4
80°	138.2	152.3	217.6	273.2	529.9	1332.9	497.2	256.8	171.9	132.7	121.9
82.5°	76.2	77.3	123.0	154.5	196.9	344.9	204.6	150.2	99.0	80.6	80.6
85°	46.7	45.7	65.3	82.7	82.7	123.0	97.9	82.7	56.6	50.0	52.3
87.5°	18.4	18.4	24.0	26.1	22.9	31.6	25.0	27.2	21.7	20.7	21.7
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)