

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: P885005

Luminaire Tested: **NVN-SB6A-830-U-T1**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P885005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6A-830-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23568 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

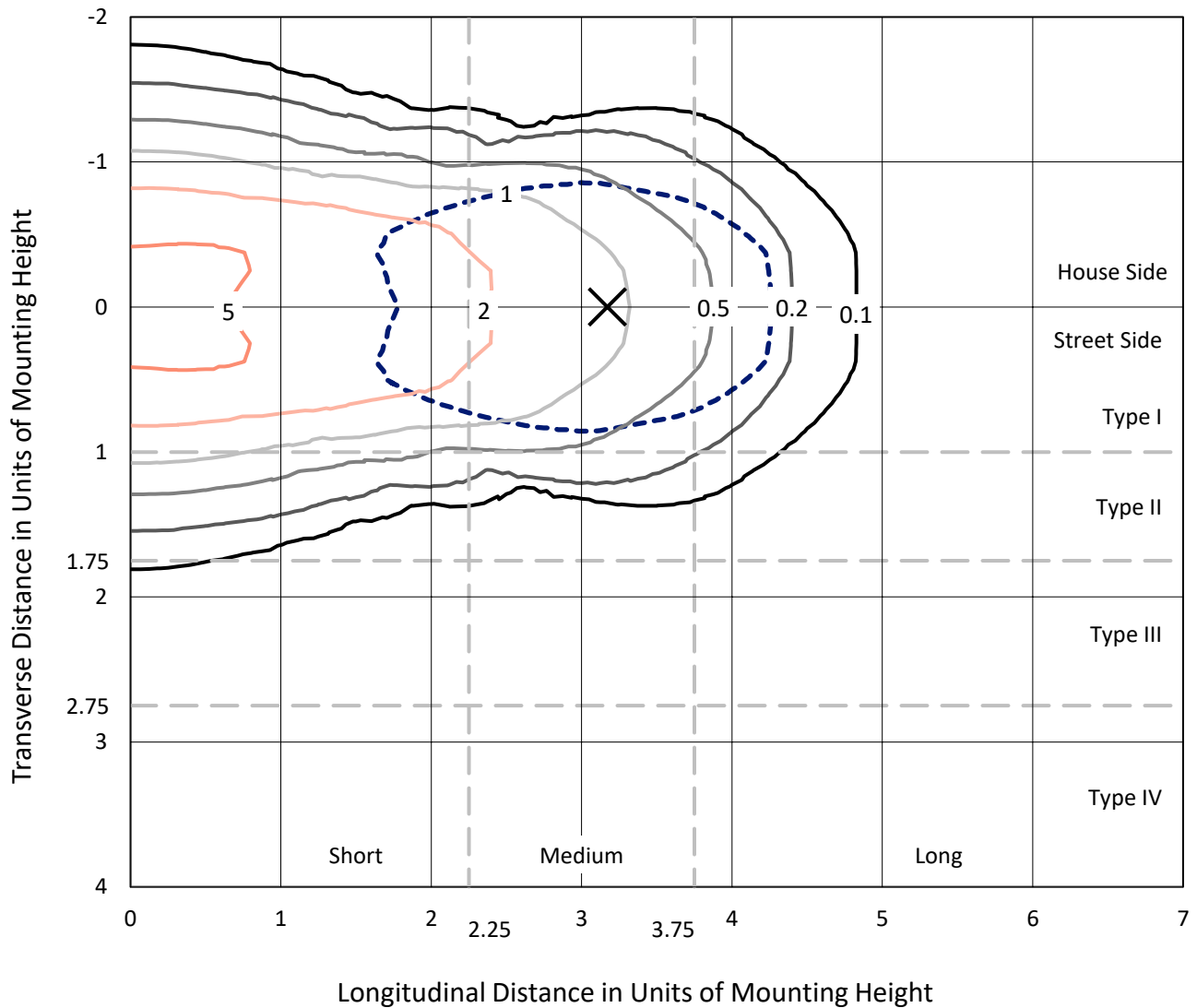
Input Watts (W): 170.9
Input Voltage (V): 120.0
Input Current (Ain): 1.434
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 11.969
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

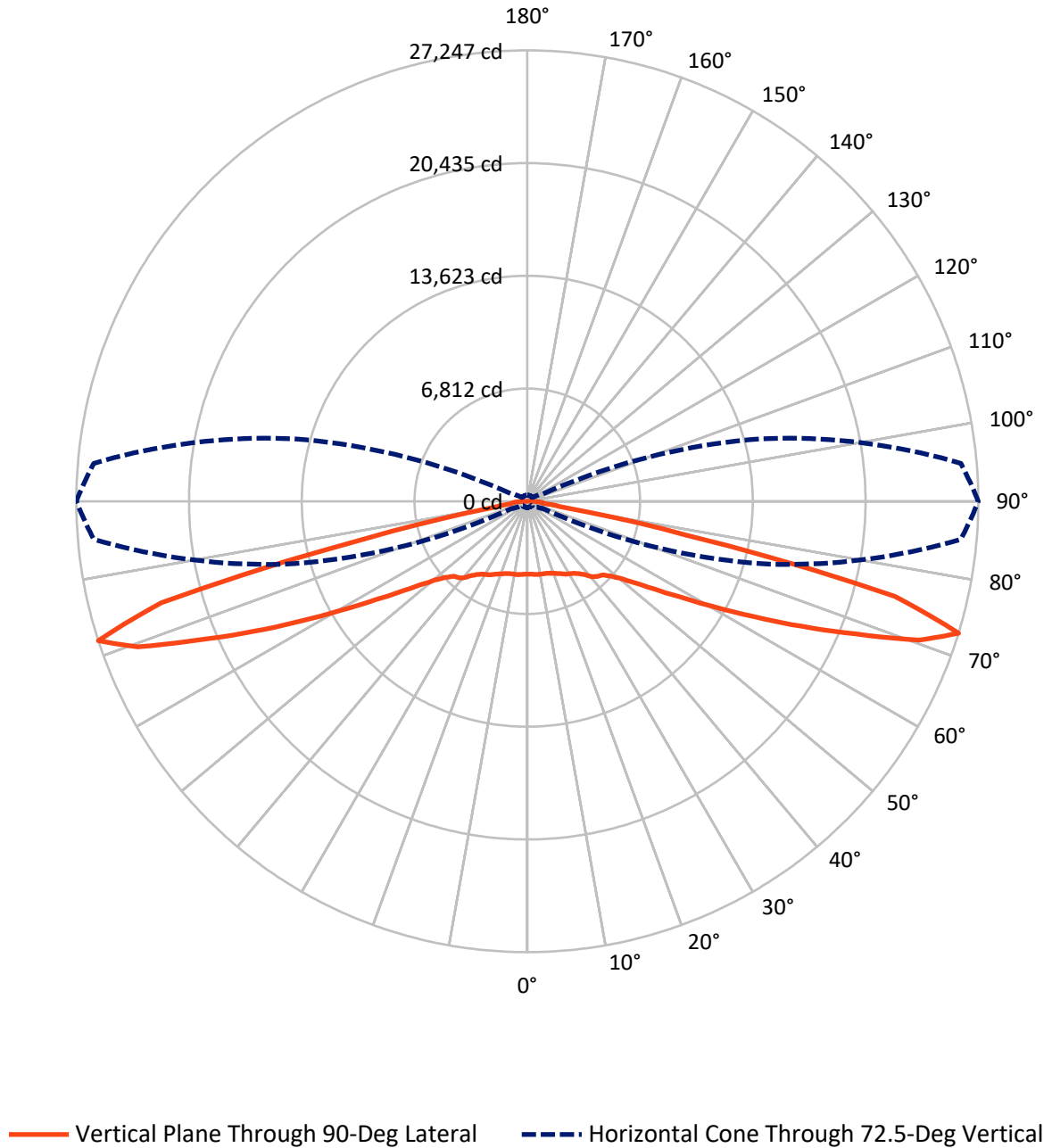
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	11784.0	0.0	11784.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11784.0	0.0	11784.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23568.0	0.0	23568.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.0	1.8
10°-20°	1305.6	5.5
20°-30°	2177.0	9.2
30°-40°	2994.1	12.7
40°-50°	3656.6	15.5
50°-60°	4229.3	17.9
60°-70°	5042.7	21.4
70°-80°	3519.5	14.9
80°-90°	216.2	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°	23568.0	100.0
0°-180°	23568.0	100.0

Coefficient of Utilization



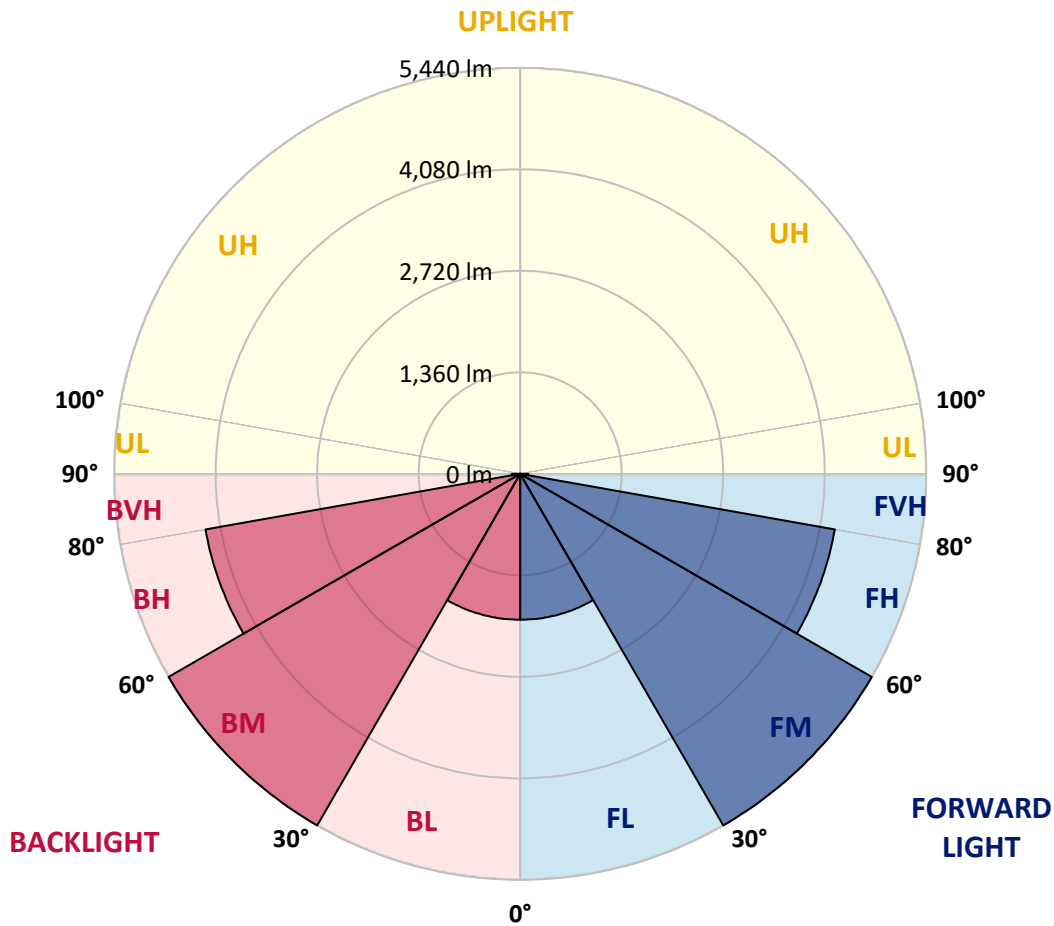
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1954.8	8.3			
FM (30°-60°)	5440.0	23.1			
FH (60°-80°)	4281.1	18.2			G2/5000
FVH (80°-90°)	108.1	0.5			G2/225
BL (0°-30°)	1954.8	8.3	B3/2500		
BM (30°-60°)	5440.0	23.1	B4/8500		
BH (60°-80°)	4281.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	108.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4403.9	4403.9	4403.9	4403.9	4403.9	4403.9	4403.9	4403.9	4403.9	4403.9	4403.9
2.5°	4407.7	4412.7	4412.7	4408.9	4417.7	4410.2	4410.2	4406.4	4410.2	4406.4	4406.4
5°	4430.2	4436.5	4439.0	4437.7	4449.0	4442.8	4442.8	4437.7	4439.0	4435.2	4435.2
7.5°	4472.8	4481.6	4486.6	4492.9	4509.1	4501.6	4496.6	4481.6	4475.3	4465.3	4465.3
10°	4486.6	4496.6	4512.9	4545.5	4583.0	4584.3	4569.3	4531.7	4502.9	4480.3	4476.6
12.5°	4444.0	4457.8	4491.6	4558.0	4641.9	4675.7	4651.9	4589.3	4532.9	4492.9	4486.6
15°	4390.2	4405.2	4456.5	4556.7	4680.7	4759.7	4757.1	4674.5	4584.3	4521.7	4511.6
17.5°	4306.2	4321.3	4395.2	4535.4	4710.8	4841.1	4876.1	4791.0	4664.5	4580.5	4566.8
20°	4154.7	4168.5	4271.2	4467.8	4720.8	4927.5	5018.9	4943.8	4786.0	4672.0	4650.7
22.5°	3958.0	3979.3	4099.6	4351.3	4697.0	5017.7	5181.8	5130.4	4927.5	4769.7	4740.9
25°	3747.6	3770.1	3910.4	4208.5	4635.6	5082.8	5374.6	5342.1	5087.8	4891.2	4851.1
27.5°	3566.0	3589.8	3742.6	4067.0	4540.5	5107.9	5565.0	5581.3	5282.0	5025.2	4982.6
30°	3423.2	3445.7	3608.6	3953.0	4417.7	5082.8	5731.6	5844.4	5479.9	5141.7	5080.3
32.5°	3266.6	3295.4	3467.0	3814.0	4272.4	5022.7	5876.9	6128.7	5709.1	5266.9	5189.3
35°	3068.7	3095.0	3275.4	3623.6	4082.0	4926.2	5998.4	6444.3	6037.2	5457.3	5370.9
37.5°	2828.2	2853.3	3032.4	3385.6	3892.9	4791.0	6091.1	6800.0	6428.0	5731.6	5616.4
40°	2586.5	2610.3	2778.1	3120.1	3666.2	4618.1	6123.7	7148.2	6876.4	6108.6	5985.9
42.5°	2364.8	2386.1	2540.2	2858.3	3411.9	4397.7	6081.1	7451.4	7278.5	6371.7	6213.8
45°	2160.6	2179.4	2315.9	2612.8	3147.6	4129.6	5953.3	7777.0	7757.0	6559.6	6346.6
47.5°	1927.7	1946.4	2088.0	2374.8	2883.3	3815.2	5736.6	8097.7	8422.1	6985.4	6739.9
50°	1643.3	1659.6	1804.9	2100.5	2609.0	3480.8	5436.0	8349.4	9261.3	7630.5	7322.3
52.5°	1306.4	1323.9	1465.5	1761.1	2283.4	3121.3	5040.2	8513.5	10230.7	8572.4	8192.9
55°	972.0	984.5	1107.2	1372.8	1880.1	2711.7	4544.2	8559.9	11330.5	9860.0	9385.3
57.5°	705.2	712.7	791.6	989.5	1425.4	2199.5	3941.7	8439.6	12639.4	11510.8	10913.4
60°	571.2	573.7	597.5	685.1	990.8	1620.8	3214.0	8026.3	14059.8	13638.9	12886.1
62.5°	518.6	518.6	524.8	548.6	670.1	1069.7	2333.5	7169.5	15582.8	16328.1	15319.8
65°	482.2	482.2	484.7	496.0	528.6	681.4	1473.0	5774.2	16866.7	19478.2	18203.2
67.5°	449.7	450.9	449.7	453.4	472.2	503.5	854.2	3988.1	17558.1	22742.4	21365.8
70°	415.8	418.3	412.1	412.1	427.1	428.4	534.8	2186.9	16984.4	25477.9	25115.9
72.5°	375.8	379.5	369.5	367.0	378.3	373.3	402.1	1049.6	14582.1	26294.6	27246.5
75°	340.7	345.7	323.2	316.9	316.9	313.1	326.9	538.6	9464.2	21449.7	22942.8
77.5°	309.4	319.4	283.1	263.0	258.0	246.8	266.8	329.4	4139.6	10070.4	9861.2
80°	255.5	269.3	233.0	209.2	200.4	187.9	210.4	230.5	1231.2	2338.5	2239.5
82.5°	190.4	196.6	165.3	149.1	141.5	132.8	157.8	160.3	400.8	827.9	935.6
85°	121.5	124.0	101.5	87.7	83.9	80.2	100.2	87.7	152.8	608.7	884.3
87.5°	42.6	48.8	38.8	35.1	37.6	31.3	46.3	26.3	42.6	429.6	532.3
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)