

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: P883245

Luminaire Tested: **NVN-SB3C-730-U-T1**

Issue Date: 10/7/2024

Test Information

Test Method: LM-79-08
Report Number: P883245
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-SB3C-730-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21875 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

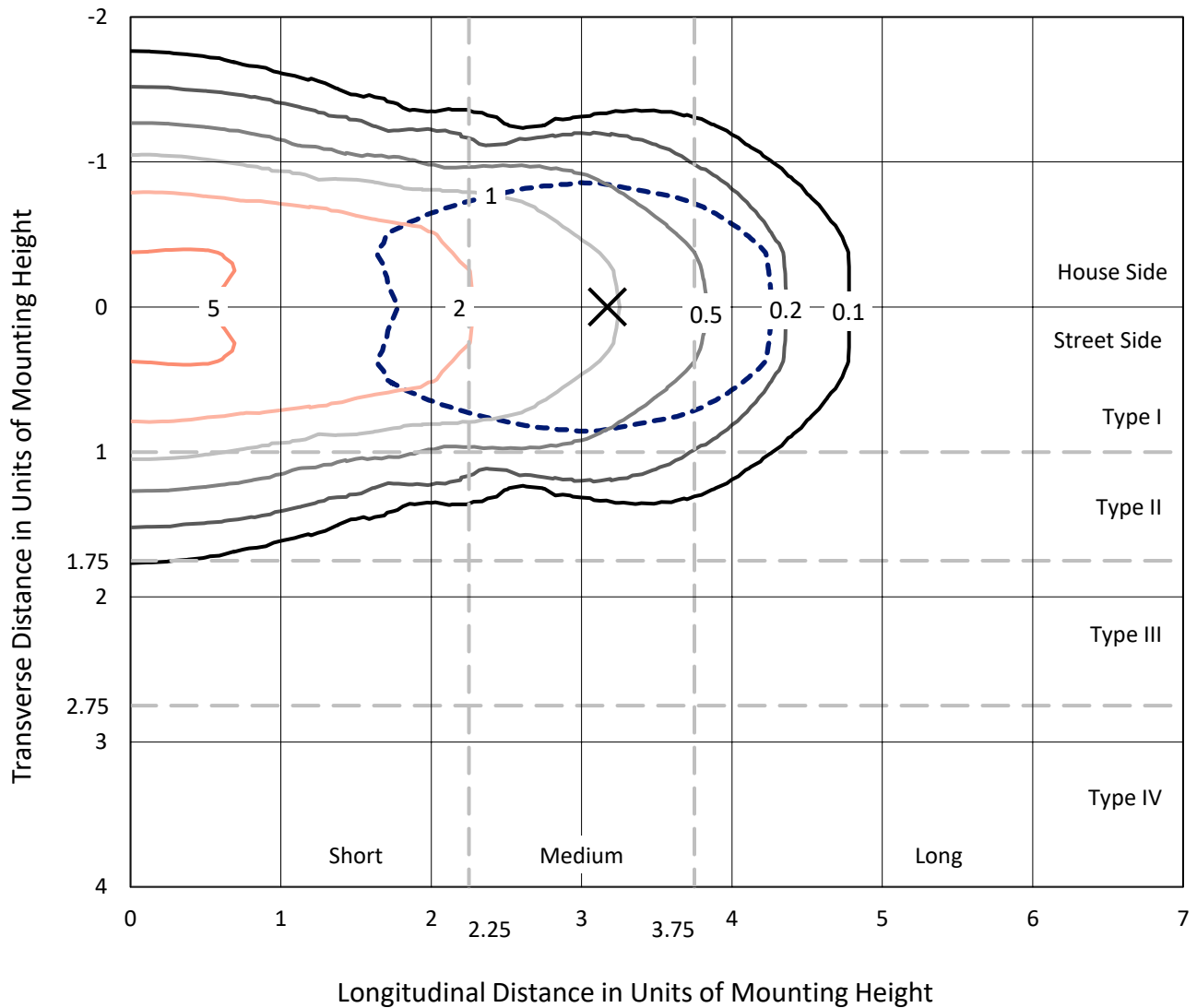
Input Watts (W): 149.1
Input Voltage (V): 120.0
Input Current (Ain): 1.259
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 6.297
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

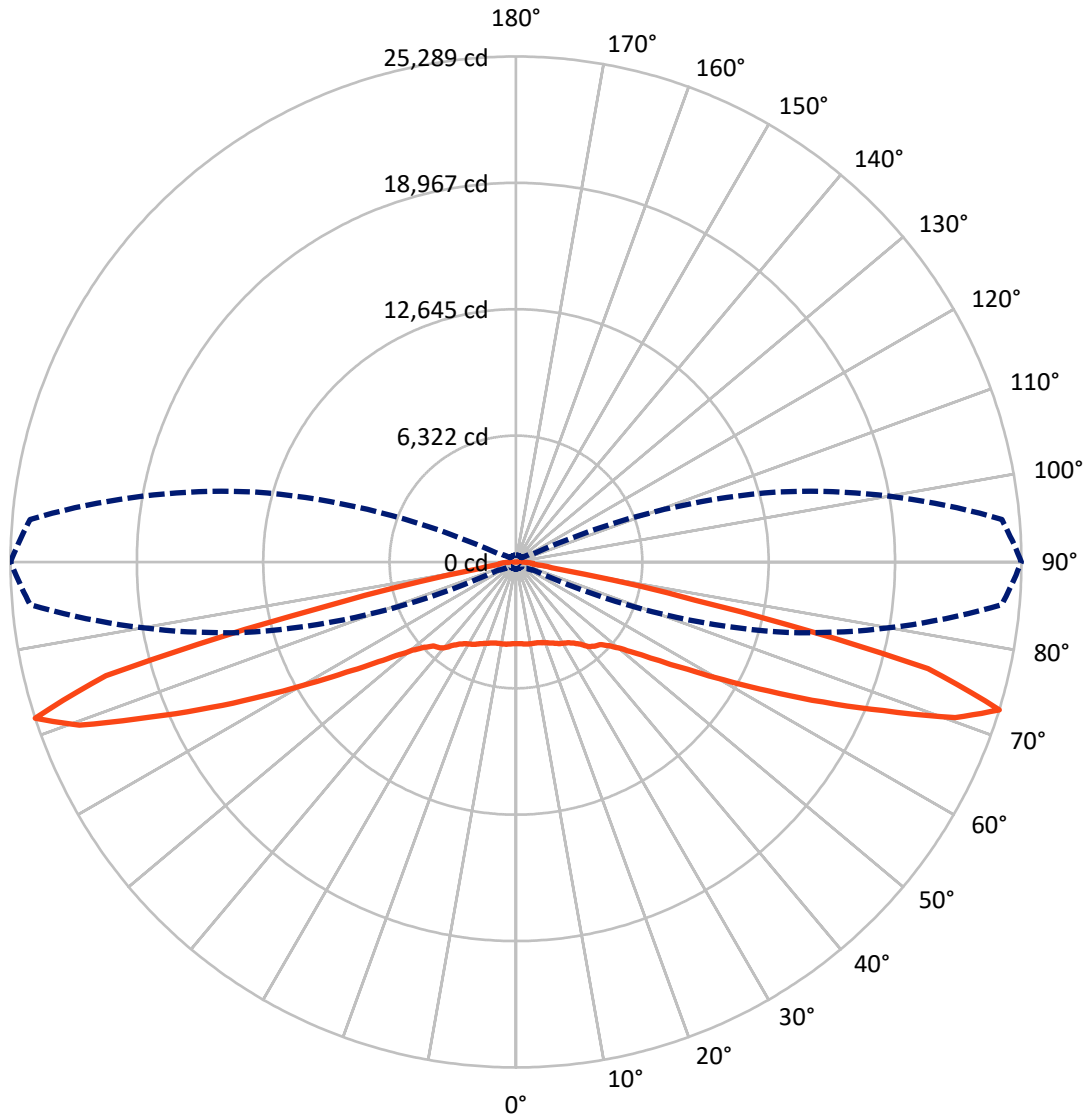
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10937.5	0.0	10937.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10937.5	0.0	10937.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21875.0	0.0	21875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.3	1.8
10°-20°	1211.8	5.5
20°-30°	2020.6	9.2
30°-40°	2779.0	12.7
40°-50°	3393.9	15.5
50°-60°	3925.5	17.9
60°-70°	4680.5	21.4
70°-80°	3266.6	14.9
80°-90°	200.6	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°	21875.0	100.0
0°-180°	21875.0	100.0

Coefficient of Utilization

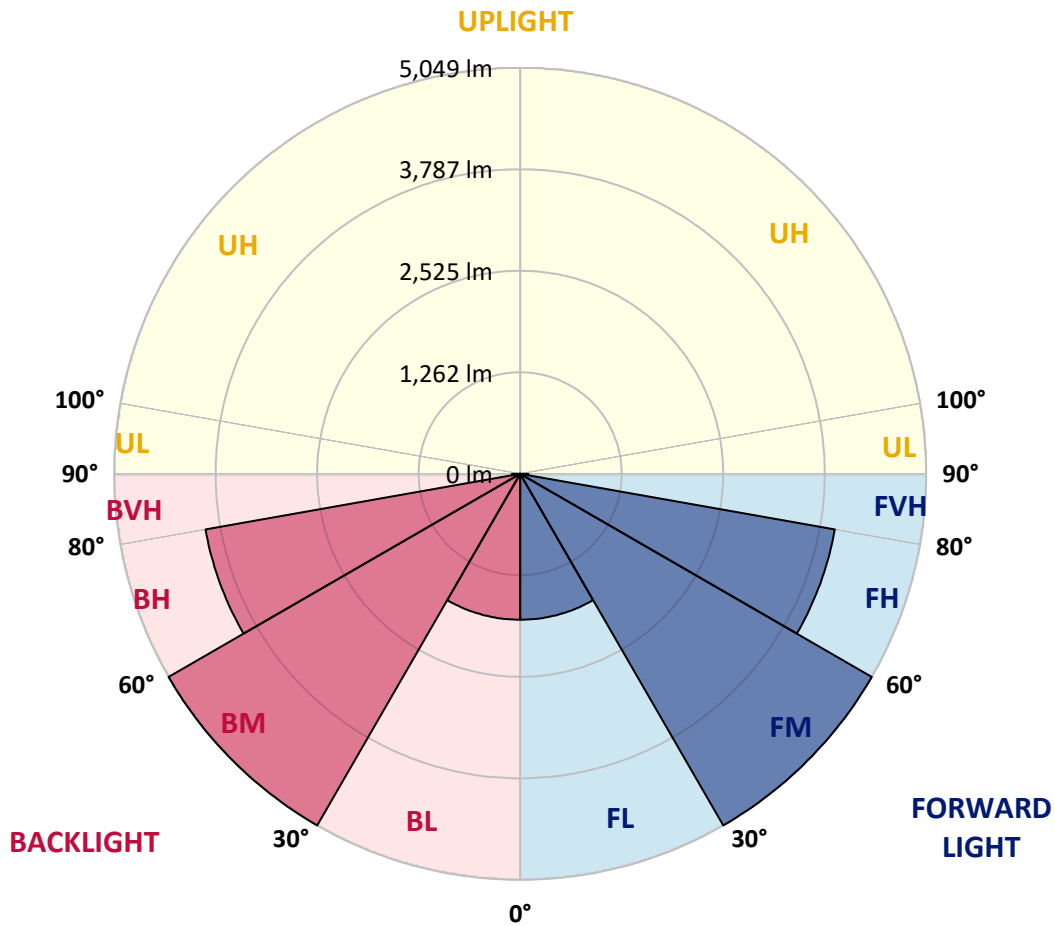


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1814.4	8.3			
FM (30°-60°)	5049.2	23.1			
FH (60°-80°)	3973.6	18.2			G2/5000
FVH (80°-90°)	100.3	0.5			G2/225
BL (0°-30°)	1814.4	8.3	B3/2500		
BM (30°-60°)	5049.2	23.1	B4/8500		
BH (60°-80°)	3973.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	100.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	4087.6	4087.6	4087.6	4087.6	4087.6	4087.6	4087.6	4087.6	4087.6	4087.6	4087.6
2.5°	4091.1	4095.7	4095.7	4092.2	4100.4	4093.4	4093.4	4089.9	4093.4	4089.9	4089.9
5°	4112.0	4117.8	4120.1	4119.0	4129.4	4123.6	4123.6	4119.0	4120.1	4116.6	4116.6
7.5°	4151.5	4159.7	4164.3	4170.1	4185.2	4178.3	4173.6	4159.7	4153.8	4144.5	4144.5
10°	4164.3	4173.6	4188.7	4218.9	4253.8	4255.0	4241.0	4206.2	4179.4	4158.5	4155.0
12.5°	4124.8	4137.6	4169.0	4230.6	4308.5	4339.9	4317.8	4259.6	4207.3	4170.1	4164.3
15°	4074.8	4088.7	4136.4	4229.4	4344.5	4417.7	4415.4	4338.7	4255.0	4196.9	4187.6
17.5°	3996.9	4010.8	4079.4	4209.6	4372.4	4493.3	4525.9	4446.8	4329.4	4251.5	4238.7
20°	3856.2	3869.0	3964.3	4146.9	4381.7	4573.5	4658.4	4588.6	4442.2	4336.4	4316.6
22.5°	3673.7	3693.5	3805.1	4038.7	4359.6	4657.2	4809.5	4761.9	4573.5	4427.0	4400.3
25°	3478.4	3499.3	3629.5	3906.2	4302.6	4717.7	4988.6	4958.3	4722.3	4539.8	4502.6
27.5°	3309.8	3331.9	3473.7	3774.8	4214.3	4740.9	5165.3	5180.4	4902.5	4664.2	4624.7
30°	3177.3	3198.2	3349.3	3669.1	4100.4	4717.7	5319.9	5424.5	5086.2	4772.3	4715.4
32.5°	3032.0	3058.7	3218.0	3540.0	3965.5	4661.9	5454.7	5688.4	5299.0	4888.6	4816.5
35°	2848.3	2872.7	3040.1	3363.3	3788.8	4572.4	5567.5	5981.4	5603.6	5065.3	4985.1
37.5°	2625.1	2648.3	2814.6	3142.4	3613.2	4446.8	5653.5	6311.6	5966.3	5319.9	5212.9
40°	2400.7	2422.8	2578.6	2895.9	3402.8	4286.4	5683.8	6634.8	6382.5	5669.8	5555.9
42.5°	2194.9	2214.7	2357.7	2653.0	3166.8	4081.8	5644.2	6916.1	6755.7	5914.0	5767.5
45°	2005.4	2022.9	2149.6	2425.1	2921.5	3833.0	5525.7	7218.4	7199.8	6088.3	5890.7
47.5°	1789.2	1806.6	1938.0	2204.2	2676.2	3541.2	5324.5	7516.0	7817.1	6483.6	6255.8
50°	1525.3	1540.4	1675.3	1949.6	2421.6	3230.8	5045.5	7749.7	8596.0	7082.3	6796.3
52.5°	1212.6	1228.8	1360.2	1634.6	2119.4	2897.1	4678.2	7901.9	9495.8	7956.6	7604.3
55°	902.1	913.8	1027.7	1274.2	1745.0	2517.0	4217.8	7945.0	10516.6	9151.7	8711.1
57.5°	654.5	661.5	734.7	918.4	1323.0	2041.5	3658.6	7833.4	11731.4	10684.0	10129.4
60°	530.1	532.5	554.5	635.9	919.6	1504.4	2983.1	7449.7	13049.8	12659.2	11960.5
62.5°	481.3	481.3	487.1	509.2	622.0	992.8	2165.9	6654.5	14463.5	15155.2	14219.3
65°	447.6	447.6	449.9	460.4	490.6	632.4	1367.2	5359.4	15655.1	18079.0	16895.5
67.5°	417.4	418.5	417.4	420.8	438.3	467.4	792.9	3701.6	16296.8	21108.7	19831.0
70°	386.0	388.3	382.5	382.5	396.4	397.6	496.4	2029.8	15764.4	23647.7	23311.7
72.5°	348.8	352.3	343.0	340.6	351.1	346.4	373.2	974.2	13534.6	24405.7	25289.3
75°	316.2	320.9	299.9	294.1	294.1	290.6	303.4	499.9	8784.3	19908.9	21294.7
77.5°	287.2	296.5	262.7	244.1	239.5	229.0	247.6	305.8	3842.3	9347.0	9152.9
80°	237.2	250.0	216.2	194.1	186.0	174.4	195.3	213.9	1142.8	2170.5	2078.7
82.5°	176.7	182.5	153.5	138.3	131.4	123.2	146.5	148.8	372.0	768.5	868.4
85°	112.8	115.1	94.2	81.4	77.9	74.4	93.0	81.4	141.8	565.0	820.8
87.5°	39.5	45.3	36.0	32.6	34.9	29.1	43.0	24.4	39.5	398.8	494.1
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)