

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: LUMARK

Report Number: P969743

Luminaire Tested: **NAV-SB6A-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB6A-722-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22785.7 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

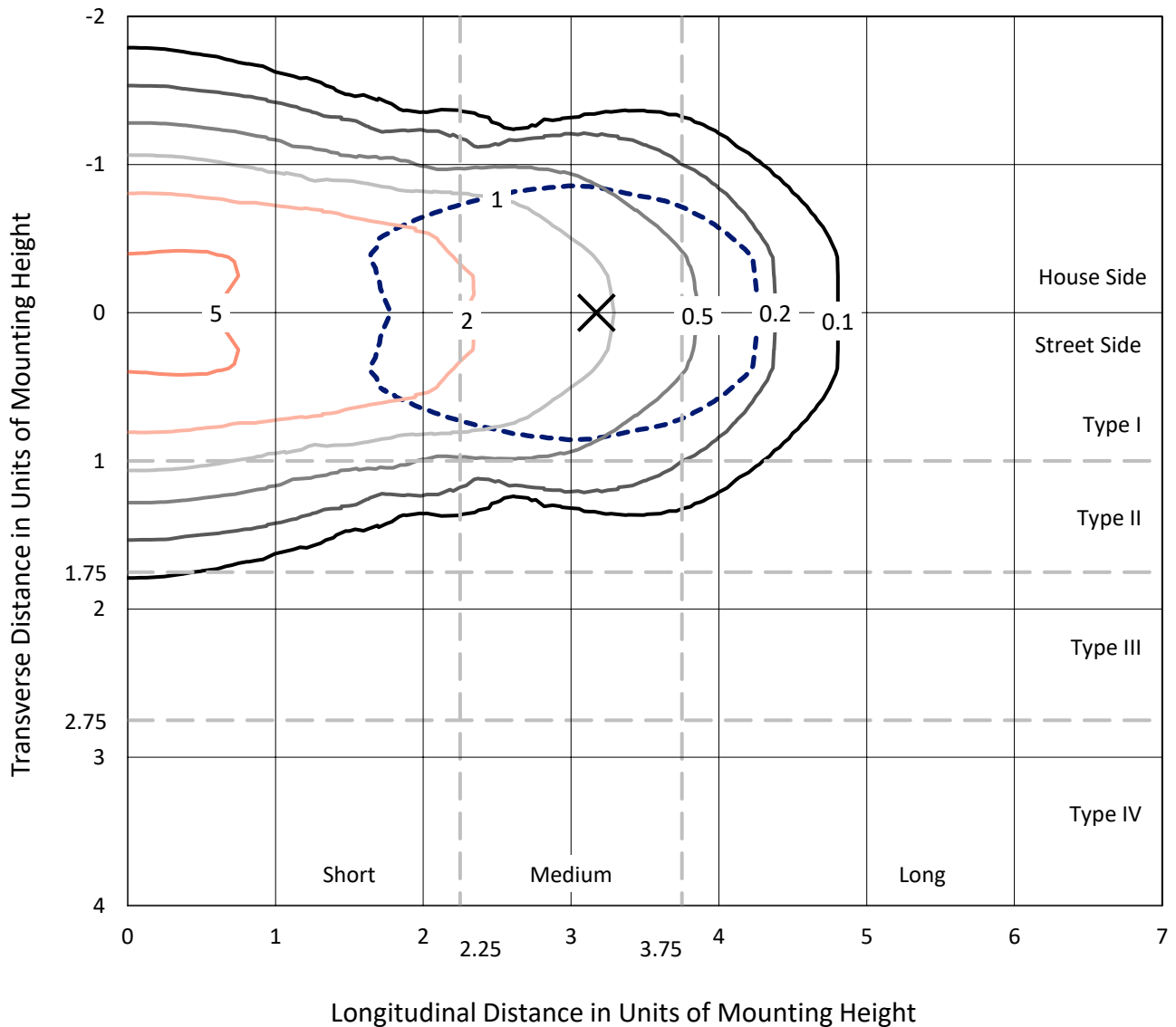
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

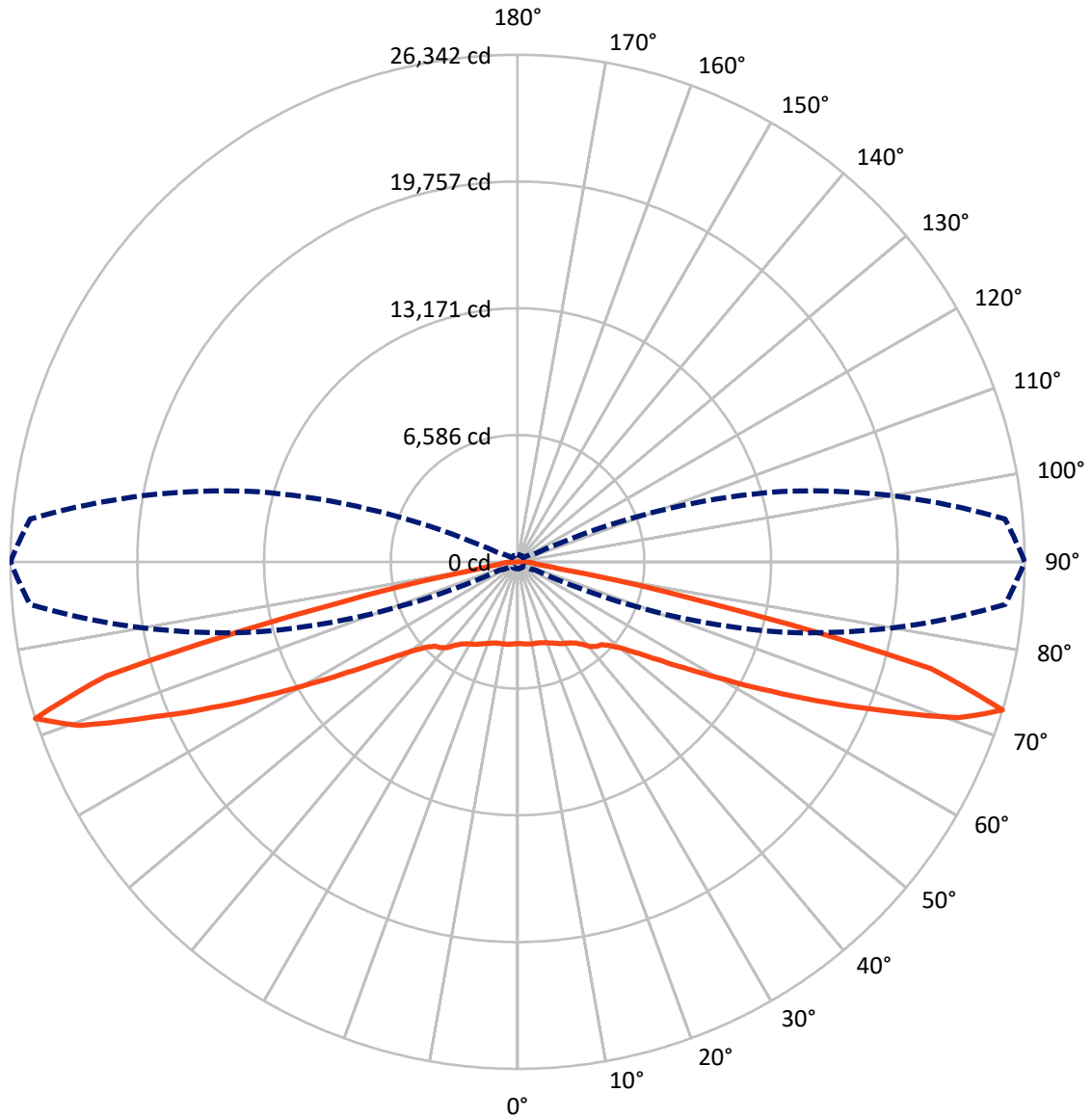
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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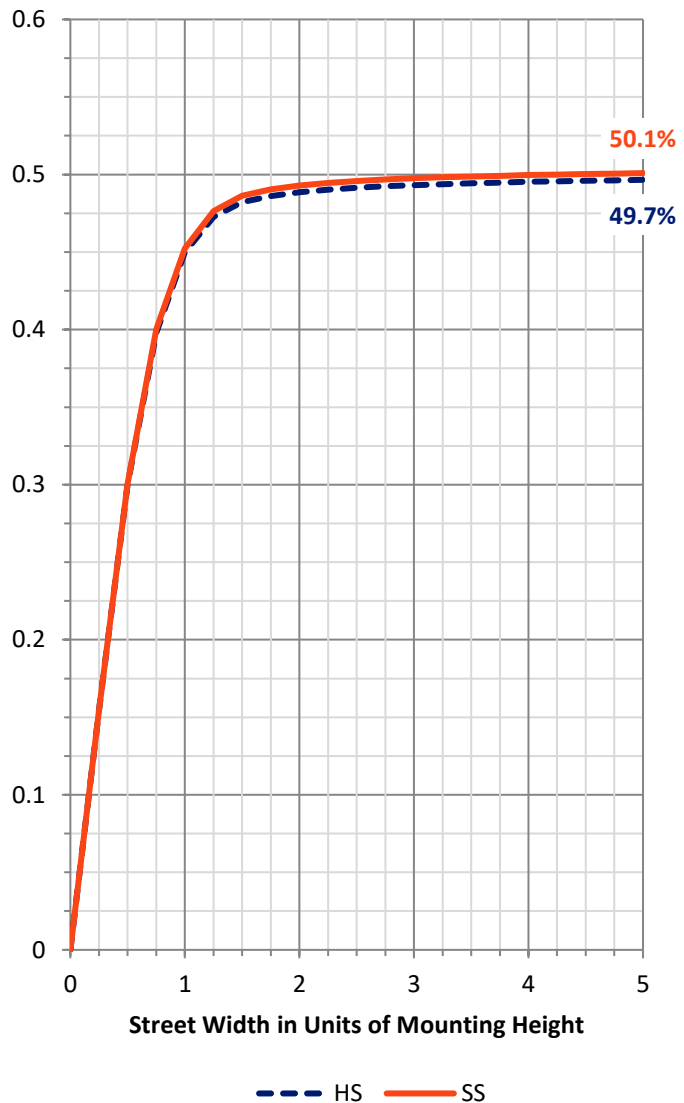
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11392.9	0.0	11392.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11392.9	0.0	11392.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22785.7	0.0	22785.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	412.8	1.8
10°-20°	1262.3	5.5
20°-30°	2104.8	9.2
30°-40°	2894.7	12.7
40°-50°	3535.2	15.5
50°-60°	4088.9	17.9
60°-70°	4875.3	21.4
70°-80°	3402.7	14.9
80°-90°	209.0	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°	22785.7	100.0
0°-180°	22785.7	100.0

Coefficient of Utilization

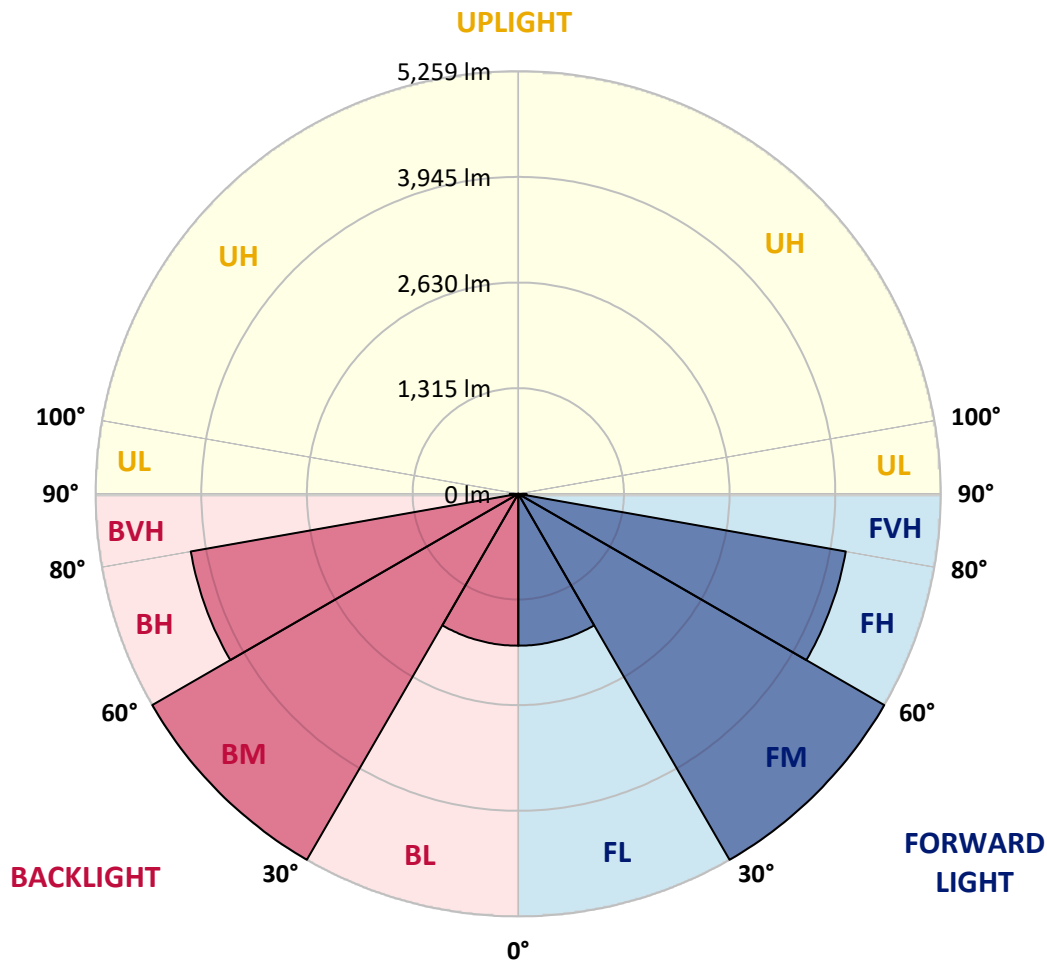


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1890.0	8.3			
FM (30°-60°)	5259.4	23.1			
FH (60°-80°)	4139.0	18.2			G2/5000
FVH (80°-90°)	104.5	0.5			G2/225
BL (0°-30°)	1890.0	8.3	B3/2500		
BM (30°-60°)	5259.4	23.1	B4/8500		
BH (60°-80°)	4139.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	104.5	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°	4257.7	4257.7	4257.7	4257.7	4257.7	4257.7	4257.7	4257.7	4257.7	4257.7	4257.7
2.5°	4261.4	4266.3	4266.3	4262.6	4271.1	4263.8	4263.8	4260.2	4263.8	4260.2	4260.2
5°	4283.2	4289.2	4291.7	4290.4	4301.3	4295.3	4295.3	4290.4	4291.7	4288.0	4288.0
7.5°	4324.4	4332.9	4337.7	4343.7	4359.5	4352.3	4347.3	4332.9	4326.8	4317.1	4317.1
10°	4337.7	4347.3	4363.1	4394.6	4431.0	4432.1	4417.6	4381.3	4353.4	4331.6	4328.0
12.5°	4296.5	4309.8	4342.5	4406.7	4487.9	4520.6	4497.5	4437.0	4382.5	4343.7	4337.7
15°	4244.4	4259.0	4308.6	4405.4	4525.4	4601.6	4599.3	4519.3	4432.1	4371.6	4361.9
17.5°	4163.3	4177.8	4249.2	4385.0	4554.5	4680.4	4714.3	4632.0	4509.6	4428.5	4415.2
20°	4016.8	4030.1	4129.4	4319.6	4564.1	4763.9	4852.3	4779.7	4627.1	4516.9	4496.4
22.5°	3826.6	3847.2	3963.5	4206.9	4541.2	4851.1	5009.8	4960.1	4763.9	4611.4	4583.5
25°	3623.2	3645.0	3780.6	4068.8	4481.8	4914.1	5196.2	5164.8	4919.0	4728.8	4690.1
27.5°	3447.6	3470.6	3618.4	3932.0	4389.8	4938.3	5380.3	5396.1	5106.7	4858.4	4817.2
30°	3309.5	3331.4	3488.8	3821.8	4271.1	4914.1	5541.4	5650.4	5298.0	4971.0	4911.7
32.5°	3158.2	3186.0	3352.0	3687.4	4130.6	4855.9	5681.9	5925.2	5519.6	5092.1	5017.1
35°	2966.9	2992.3	3166.6	3503.3	3946.6	4762.8	5799.3	6230.5	5836.9	5276.2	5192.6
37.5°	2734.4	2758.6	2931.7	3273.2	3763.7	4632.0	5888.9	6574.4	6214.7	5541.4	5429.9
40°	2500.7	2523.7	2685.9	3016.5	3544.4	4464.8	5920.4	6911.0	6648.3	5905.8	5787.3
42.5°	2286.3	2306.9	2455.8	2763.4	3298.7	4251.7	5879.2	7204.0	7036.9	6160.1	6007.6
45°	2089.0	2107.1	2239.1	2526.1	3043.1	3992.6	5755.7	7518.9	7499.5	6341.9	6136.0
47.5°	1863.7	1881.8	2018.6	2296.0	2787.7	3688.6	5546.3	7828.8	8142.5	6753.5	6516.2
50°	1588.7	1604.5	1745.0	2030.8	2522.4	3365.3	5255.6	8072.3	8953.9	7377.2	7079.3
52.5°	1263.0	1280.0	1416.9	1702.6	2207.5	3017.7	4873.0	8231.0	9891.1	8287.8	7920.9
55°	939.7	951.8	1070.5	1327.2	1817.6	2621.7	4393.4	8275.7	10954.4	9532.7	9073.8
57.5°	681.7	689.0	765.4	956.6	1378.1	2126.5	3811.0	8159.5	12219.8	11128.7	10551.1
60°	552.2	554.6	577.6	662.4	957.9	1567.0	3107.4	7759.9	13593.1	13186.2	12458.5
62.5°	501.3	501.3	507.4	530.4	647.9	1034.1	2256.0	6931.6	15065.7	15786.1	14811.4
65°	466.3	466.3	468.6	479.5	511.1	658.8	1424.1	5582.6	16306.8	18831.7	17598.9
67.5°	434.7	435.9	434.7	438.4	456.5	486.8	825.8	3855.7	16975.3	21987.5	20656.6
70°	402.0	404.5	398.4	398.4	413.0	414.1	517.1	2114.4	16420.7	24632.3	24282.2
72.5°	363.3	367.0	357.2	354.9	365.7	360.9	388.7	1014.7	14098.1	25421.8	26342.2
75°	329.3	334.3	312.4	306.4	306.4	302.8	316.1	520.7	9150.1	20737.8	22181.3
77.5°	299.1	308.8	273.7	254.3	249.5	238.5	257.9	318.5	4002.2	9736.2	9533.9
80°	247.0	260.3	225.2	202.2	193.7	181.6	203.5	222.8	1190.3	2260.8	2165.2
82.5°	184.1	190.1	159.8	144.1	136.8	128.3	152.6	155.0	387.6	800.4	904.6
85°	117.5	119.9	98.1	84.8	81.2	77.5	96.9	84.8	147.7	588.6	855.0
87.5°	41.2	47.3	37.5	33.9	36.3	30.2	44.8	25.4	41.2	415.3	514.7
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)