

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: P970270

Luminaire Tested: **NAV-SB6B-722-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P970270  
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-SB6B-722-U-T1  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28603.7 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

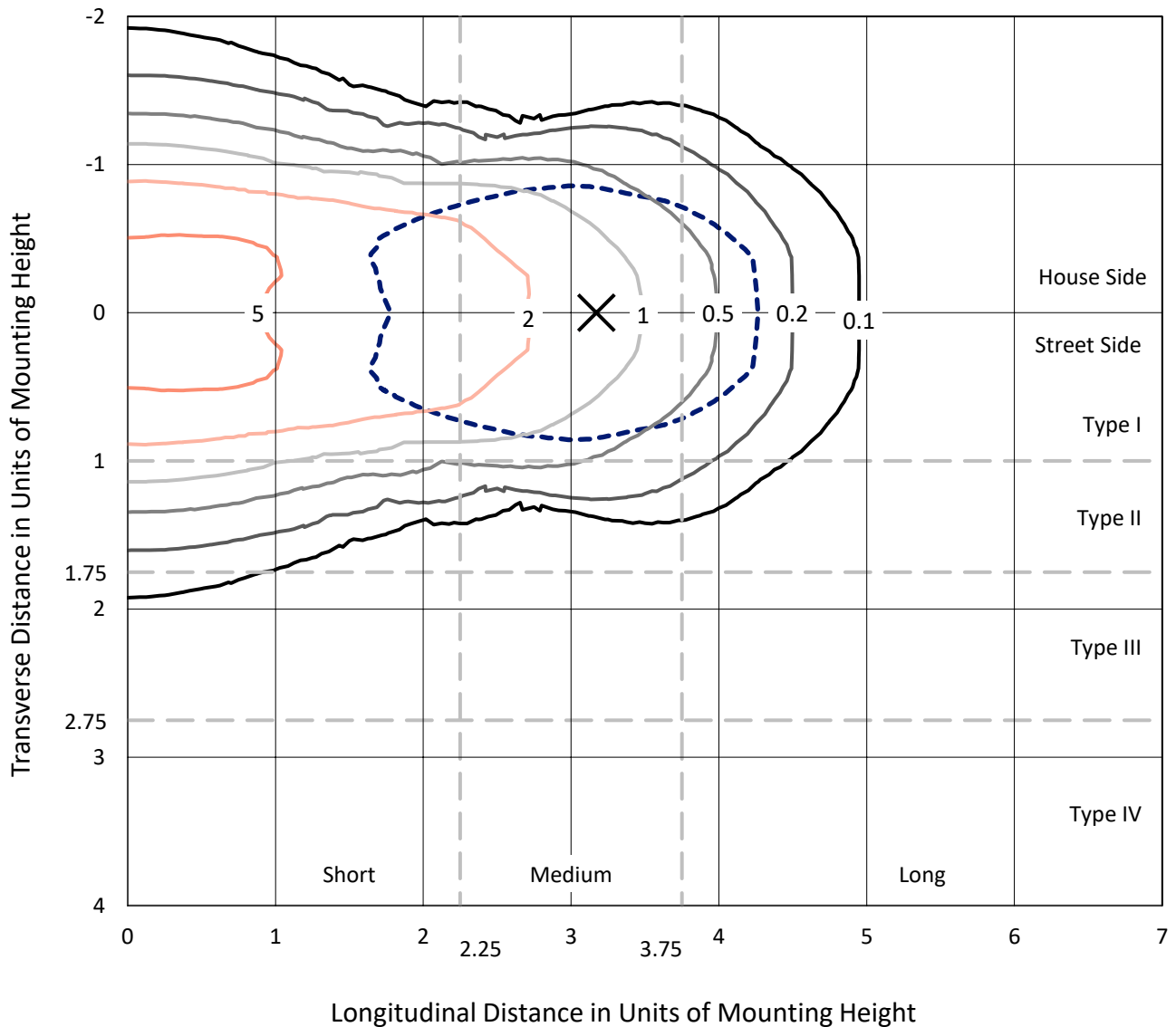
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P970270  
 CATALOG NUMBER: NAV-SB6B-722-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

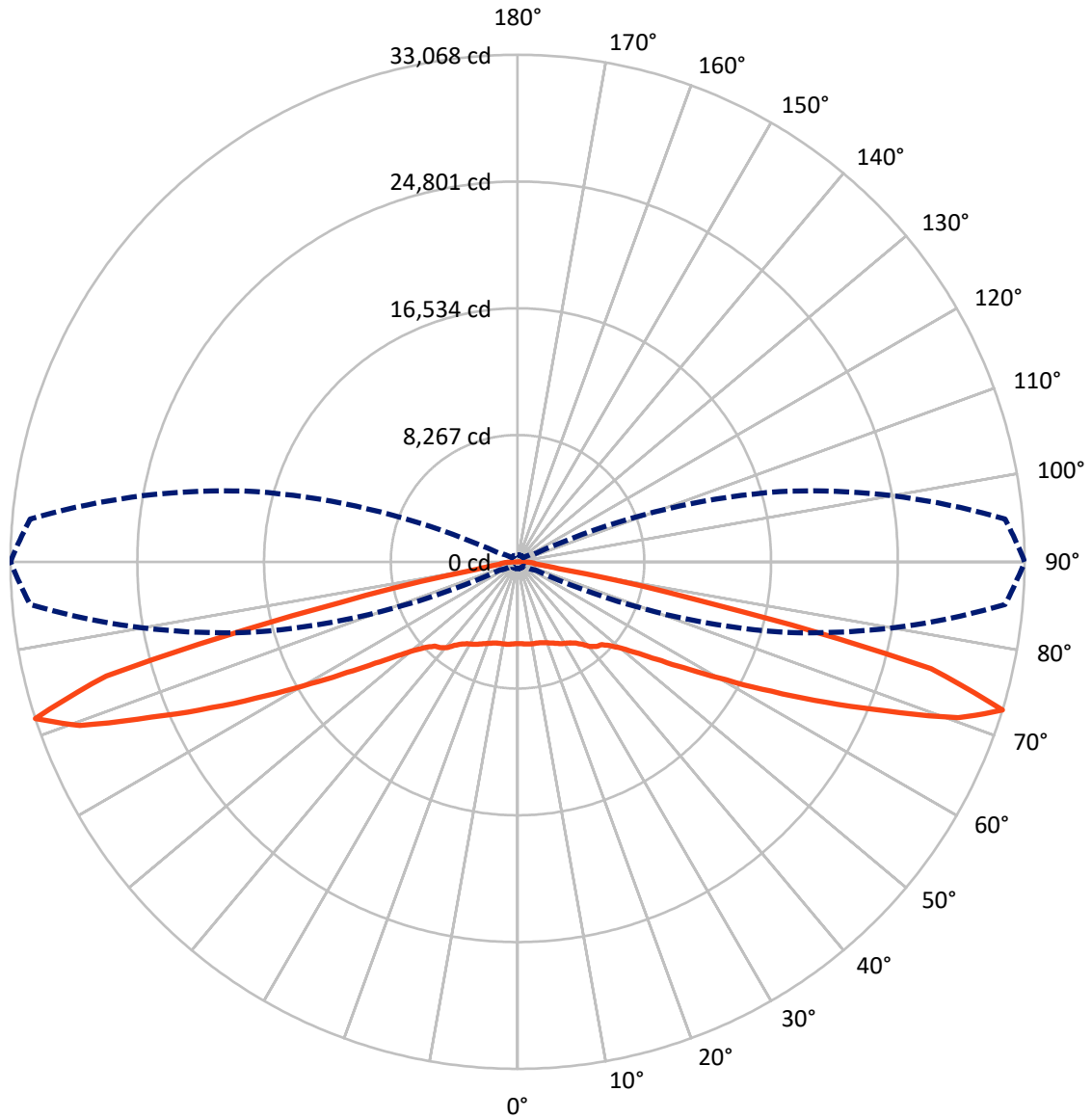
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type I - Short - N/A

REPORT NUMBER: P970270  
CATALOG NUMBER: NAV-SB6B-722-U-T1

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P970270  
 CATALOG NUMBER: NAV-SB6B-722-U-T1

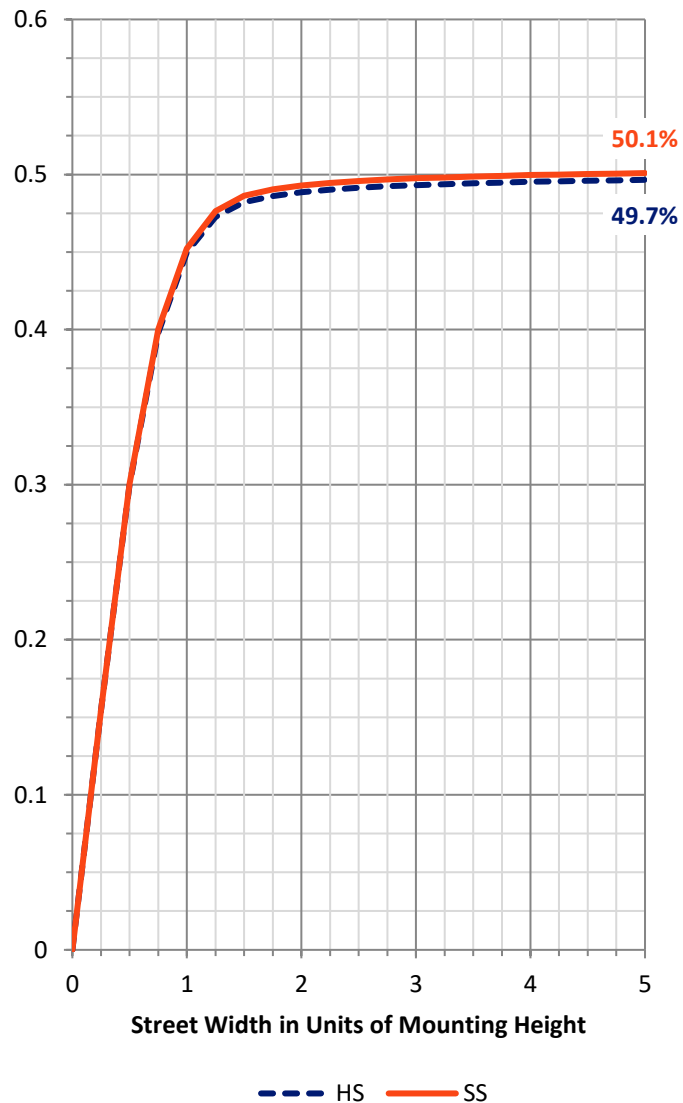
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14301.8	0.0	14301.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14301.8	0.0	14301.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28603.7	0.0	28603.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	518.3	1.8
10°-20°	1584.6	5.5
20°-30°	2642.2	9.2
30°-40°	3633.8	12.7
40°-50°	4437.9	15.5
50°-60°	5132.9	17.9
60°-70°	6120.1	21.4
70°-80°	4271.5	14.9
80°-90°	262.4	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°	28603.7	100.0
0°-180°	28603.7	100.0

**Coefficient of Utilization**

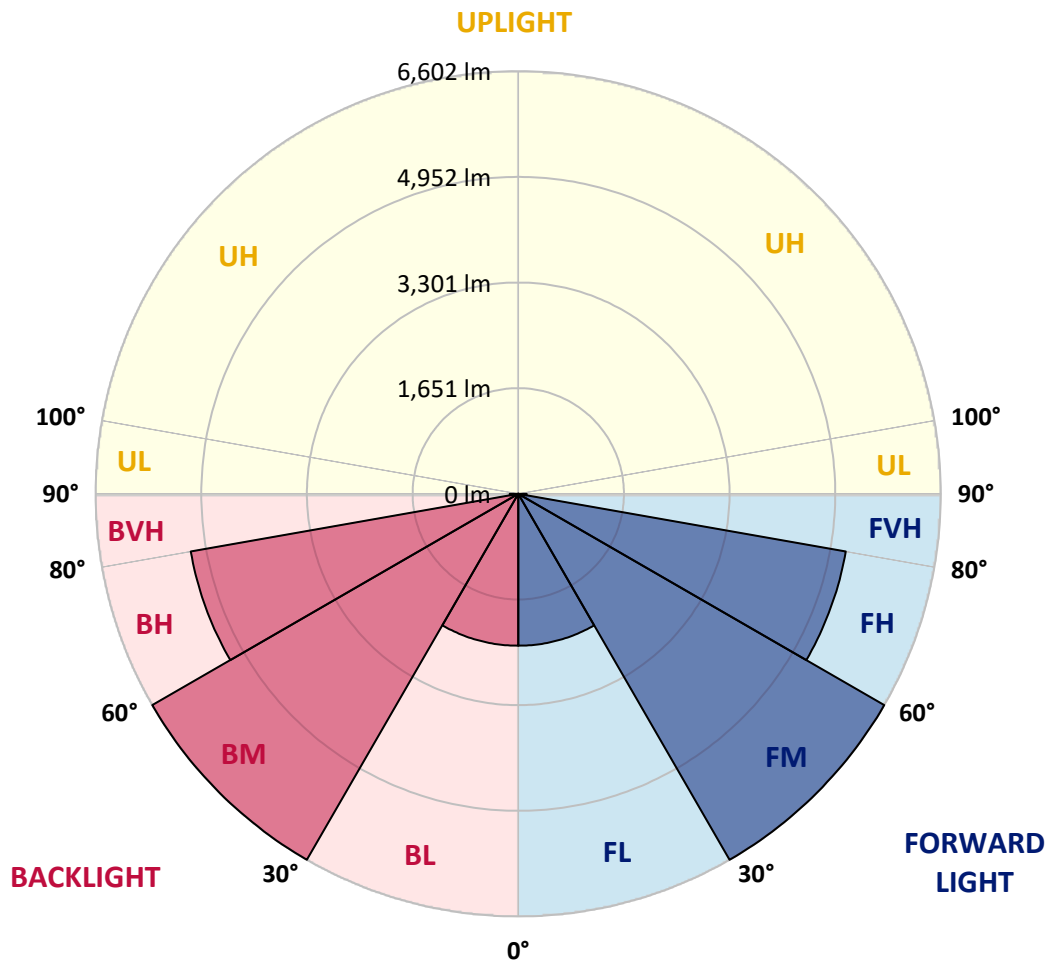


REPORT NUMBER: P970270  
 CATALOG NUMBER: NAV-SB6B-722-U-T1

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2372.5	8.3			
FM (30°-60°)	6602.3	23.1			
FH (60°-80°)	5195.8	18.2			G3/7500
FVH (80°-90°)	131.2	0.5			G2/225
BL (0°-30°)	2372.5	8.3	B3/2500		
BM (30°-60°)	6602.3	23.1	B4/8500		
BH (60°-80°)	5195.8	18.2	B5		G5
BVH (80°-90°)	131.2	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 I Short



REPORT NUMBER: P970270  
 CATALOG NUMBER: NAV-SB6B-722-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5344.9	5344.9	5344.9	5344.9	5344.9	5344.9	5344.9	5344.9	5344.9	5344.9	5344.9
2.5°	5349.5	5355.5	5355.5	5351.0	5361.6	5352.4	5352.4	5347.9	5352.4	5347.9	5347.9
5°	5376.8	5384.4	5387.5	5386.0	5399.6	5392.0	5392.0	5386.0	5387.5	5382.9	5382.9
7.5°	5428.5	5439.2	5445.2	5452.8	5472.6	5463.5	5457.4	5439.2	5431.6	5419.4	5419.4
10°	5445.2	5457.4	5477.2	5516.7	5562.3	5563.8	5545.6	5499.9	5465.0	5437.6	5433.0
12.5°	5393.5	5410.3	5451.3	5531.9	5633.7	5674.8	5645.9	5569.8	5501.5	5452.8	5445.2
15°	5328.2	5346.4	5408.7	5530.4	5680.9	5776.6	5773.6	5673.3	5563.8	5487.7	5475.7
17.5°	5226.3	5244.5	5334.2	5504.6	5717.3	5875.4	5918.0	5814.6	5661.1	5559.2	5542.5
20°	5042.4	5059.1	5183.7	5422.5	5729.5	5980.4	6091.3	6000.0	5808.6	5670.2	5644.4
22.5°	4803.8	4829.6	4975.5	5281.0	5700.6	6089.7	6288.9	6226.6	5980.4	5788.8	5753.8
25°	4548.3	4575.7	4746.0	5107.8	5626.1	6168.9	6523.0	6483.5	6174.9	5936.3	5887.6
27.5°	4327.9	4356.8	4542.3	4936.0	5510.6	6199.2	6754.1	6773.8	6410.6	6098.9	6047.2
30°	4154.6	4182.0	4379.6	4797.6	5361.6	6168.9	6956.3	7093.1	6650.7	6240.3	6165.8
32.5°	3964.6	3999.6	4207.8	4628.9	5185.3	6095.9	7132.6	7438.1	6928.9	6392.3	6298.0
35°	3724.4	3756.3	3975.3	4397.9	4954.2	5978.8	7280.1	7821.3	7327.2	6623.3	6518.5
37.5°	3432.5	3463.0	3680.4	4109.0	4724.6	5814.6	7392.5	8253.0	7801.5	6956.3	6816.5
40°	3139.2	3168.1	3371.7	3786.8	4449.5	5604.8	7432.1	8675.6	8345.7	7413.8	7264.9
42.5°	2870.1	2895.9	3082.9	3469.0	4140.9	5337.3	7380.4	9043.5	8833.7	7733.1	7541.5
45°	2622.3	2645.1	2810.8	3171.0	3820.2	5011.9	7225.3	9438.7	9414.4	7961.1	7702.7
47.5°	2339.6	2362.3	2534.1	2882.2	3499.5	4630.4	6962.3	9827.9	10221.6	8478.0	8180.0
50°	1994.4	2014.2	2190.5	2549.3	3166.5	4224.5	6597.5	10133.5	11240.0	9260.9	8886.9
52.5°	1585.6	1606.8	1778.6	2137.3	2771.3	3788.3	6117.1	10332.5	12416.6	10404.0	9943.4
55°	1179.7	1194.8	1343.8	1666.1	2281.8	3291.2	5515.1	10388.8	13751.4	11966.8	11390.6
57.5°	855.9	865.0	960.7	1200.9	1730.0	2669.4	4784.0	10242.8	15339.9	13970.3	13245.2
60°	693.2	696.3	725.1	831.5	1202.4	1967.1	3900.7	9741.2	17063.8	16553.0	15639.4
62.5°	629.3	629.3	636.9	665.8	813.3	1298.3	2832.1	8701.4	18912.4	19816.8	18593.1
65°	585.3	585.3	588.3	602.0	641.5	827.0	1787.7	7007.9	20470.5	23640.1	22092.5
67.5°	545.7	547.2	545.7	550.3	573.1	611.1	1036.8	4840.2	21309.6	27601.6	25931.0
70°	504.7	507.8	500.1	500.1	518.3	519.9	649.1	2654.2	20613.4	30921.7	30482.3
72.5°	456.0	460.6	448.4	445.4	459.1	453.0	488.0	1273.9	17697.8	31912.8	33068.1
75°	413.5	419.5	392.2	384.6	384.6	380.1	396.8	653.6	11486.4	26032.7	27844.8
77.5°	375.5	387.7	343.6	319.2	313.1	299.5	323.8	399.9	5024.1	12222.1	11968.2
80°	310.1	326.9	282.8	253.9	243.2	228.1	255.4	279.7	1494.3	2838.1	2718.1
82.5°	231.0	238.6	200.7	180.9	171.8	161.1	191.6	194.5	486.5	1004.8	1135.6
85°	147.5	150.5	123.1	106.4	101.9	97.3	121.6	106.4	185.4	738.8	1073.3
87.5°	51.7	59.2	47.2	42.5	45.6	38.0	56.3	31.9	51.7	521.4	646.1
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)