

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: P970797

Luminaire Tested: **NAV-SB6C-722-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P970797  
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-SB6C-722-U-T1  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 38041.9 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

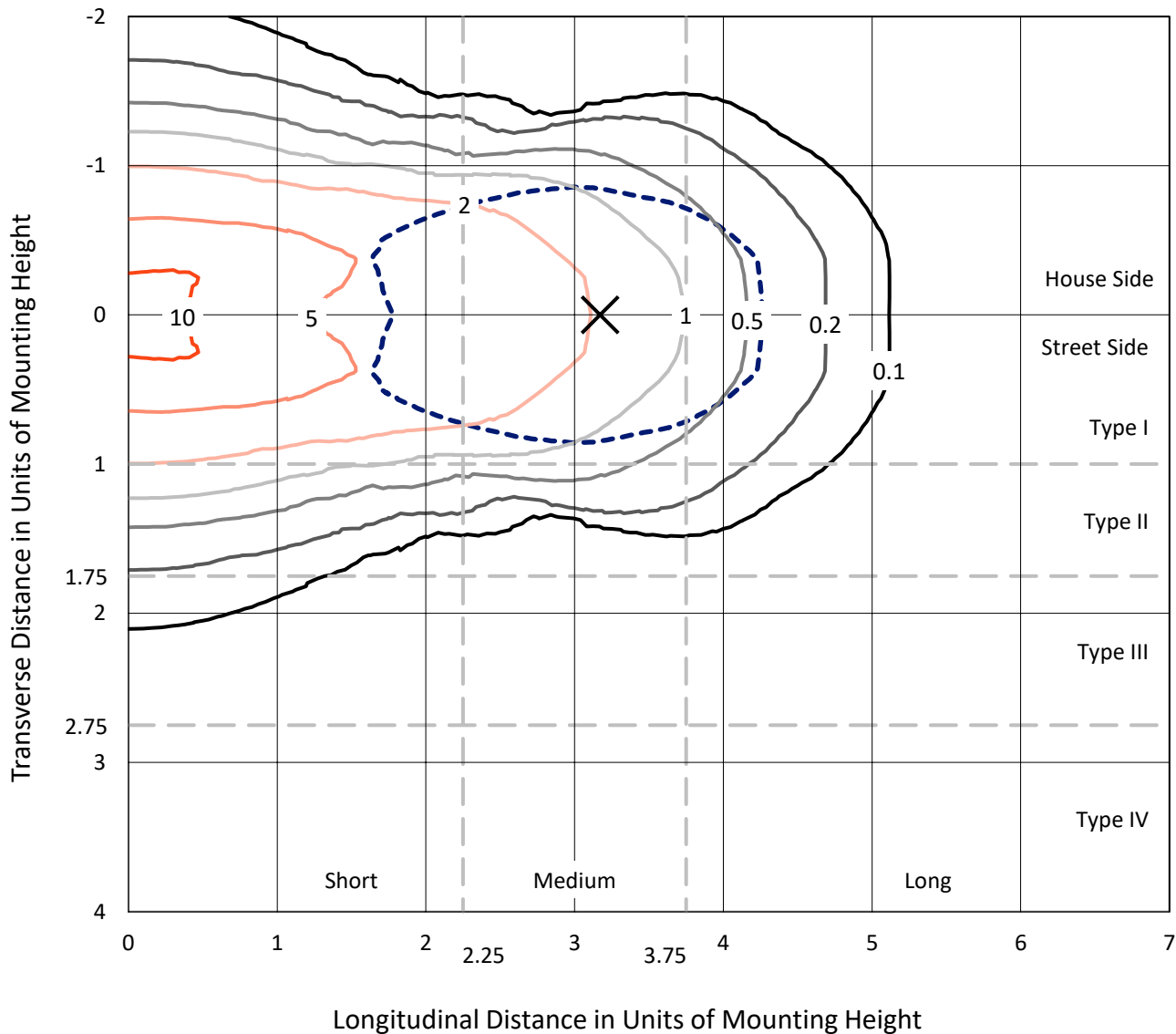
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

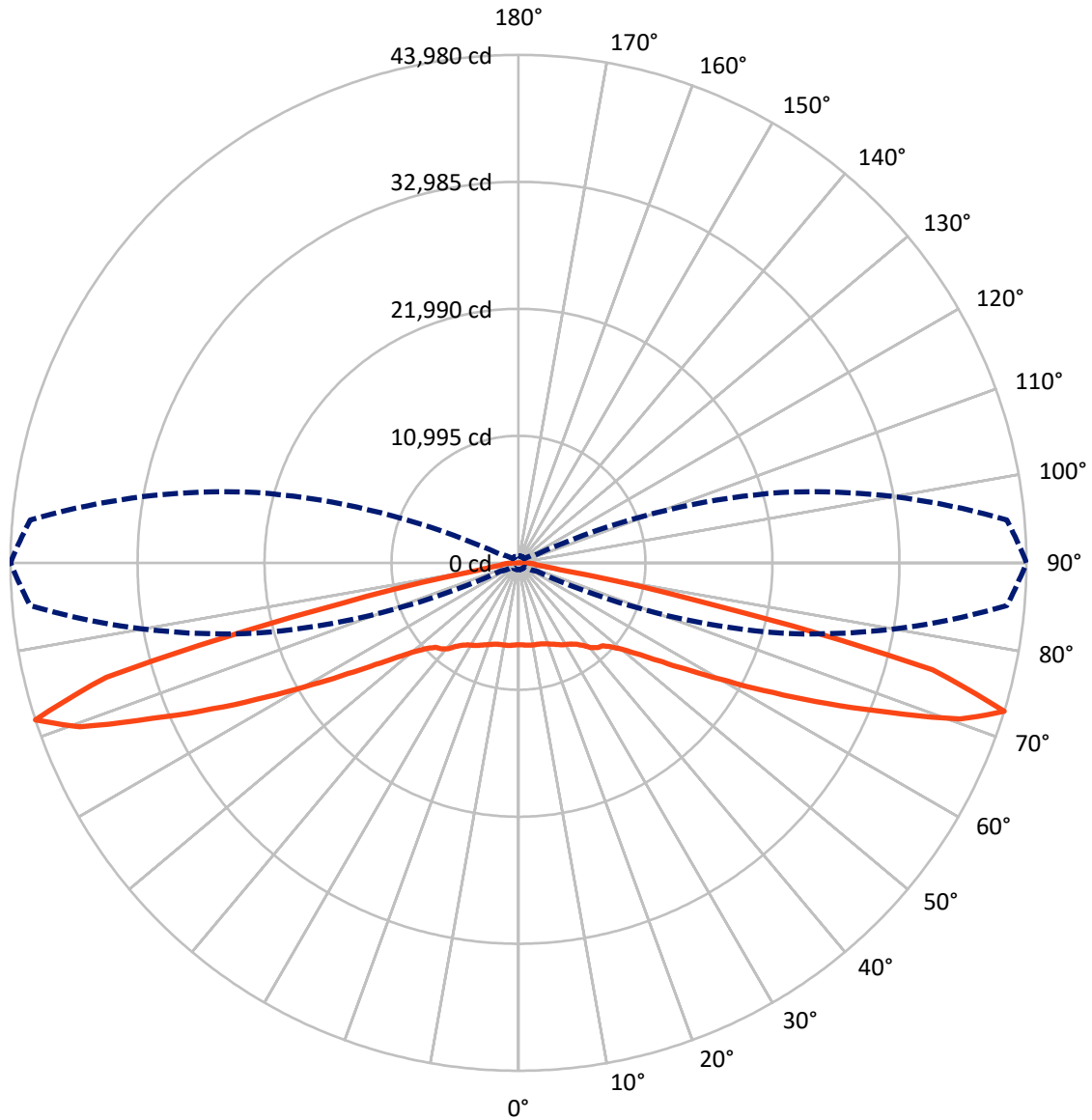
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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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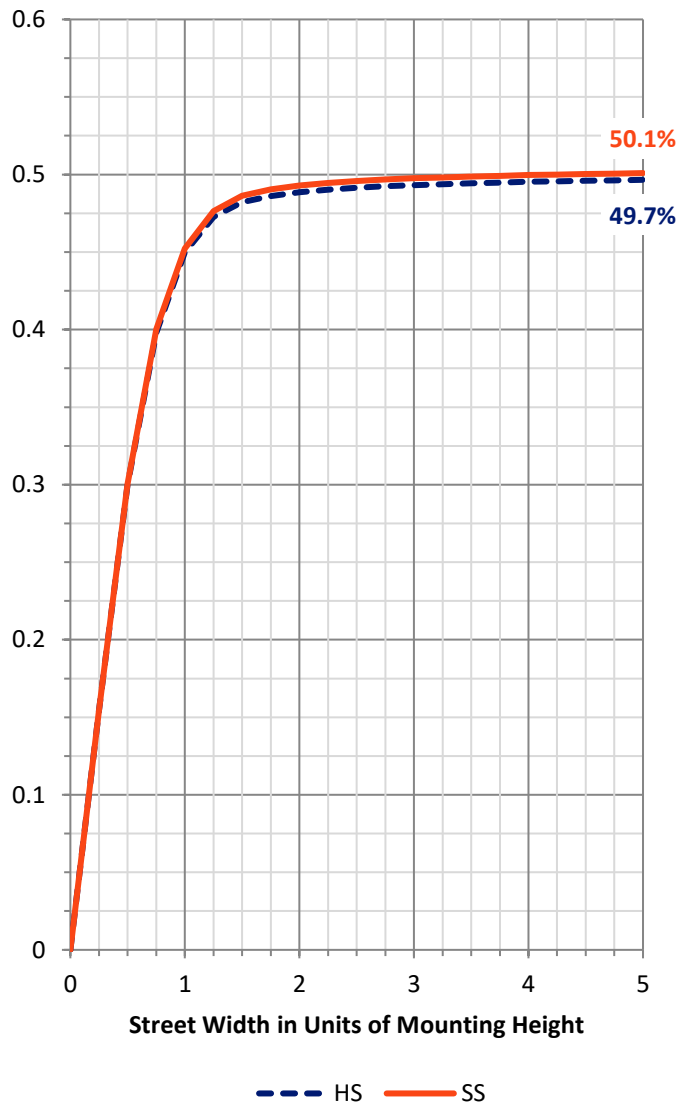
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	19020.9	0.0	19020.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19020.9	0.0	19020.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38041.9	0.0	38041.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	689.3	1.8
10°-20°	2107.5	5.5
20°-30°	3514.0	9.2
30°-40°	4832.9	12.7
40°-50°	5902.3	15.5
50°-60°	6826.6	17.9
60°-70°	8139.6	21.4
70°-80°	5680.9	14.9
80°-90°	348.9	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°	38041.9	100.0
0°-180°	38041.9	100.0

**Coefficient of Utilization**

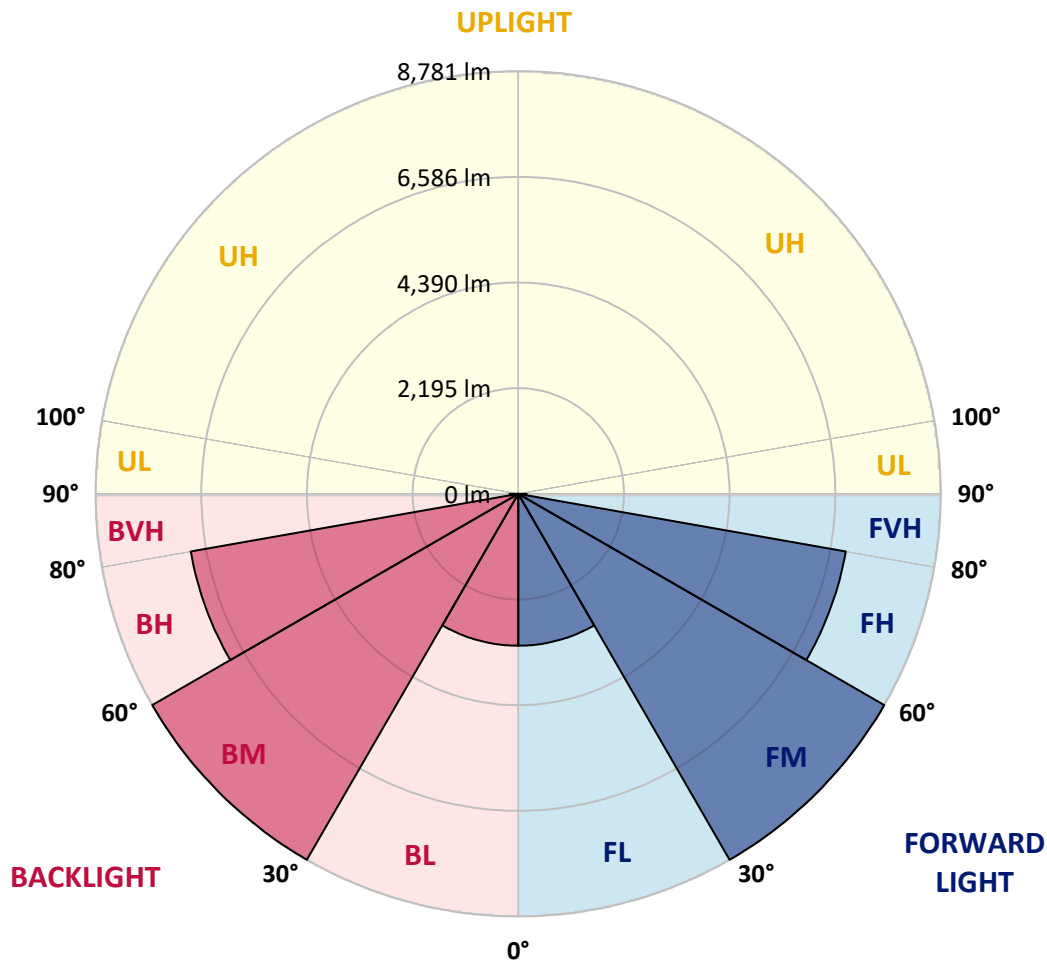


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3155.4	8.3			
FM (30°-60°)	8780.9	23.1			
FH (60°-80°)	6910.2	18.2			G3/7500
FVH (80°-90°)	174.5	0.5			G2/225
BL (0°-30°)	3155.4	8.3	B4/5000		
BM (30°-60°)	8780.9	23.1	B5		
BH (60°-80°)	6910.2	18.2	B5		G5
BVH (80°-90°)	174.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7108.5	7108.5	7108.5	7108.5	7108.5	7108.5	7108.5	7108.5	7108.5	7108.5	7108.5
2.5°	7114.6	7122.6	7122.6	7116.6	7130.7	7118.6	7118.6	7112.6	7118.6	7112.6	7112.6
5°	7151.0	7161.1	7165.2	7163.1	7181.4	7171.2	7171.2	7163.1	7165.2	7159.1	7159.1
7.5°	7219.7	7233.8	7241.9	7252.1	7278.3	7266.2	7258.1	7233.8	7223.8	7207.6	7207.6
10°	7241.9	7258.1	7284.4	7337.0	7397.6	7399.7	7375.4	7314.7	7268.3	7231.9	7225.7
12.5°	7173.3	7195.5	7250.0	7357.2	7492.6	7547.3	7508.8	7407.8	7316.8	7252.1	7241.9
15°	7086.2	7110.5	7193.4	7355.2	7555.4	7682.7	7678.7	7545.2	7399.7	7298.6	7282.4
17.5°	6950.8	6975.1	7094.3	7320.9	7603.9	7814.1	7870.8	7733.2	7529.0	7393.6	7371.4
20°	6706.2	6728.4	6894.3	7211.6	7620.1	7953.6	8101.2	7979.9	7725.1	7541.1	7506.8
22.5°	6388.7	6423.2	6617.2	7023.6	7581.6	8099.1	8364.0	8281.2	7953.6	7698.9	7652.3
25°	6049.1	6085.5	6312.0	6793.1	7482.5	8204.3	8675.4	8622.8	8212.4	7895.0	7830.3
27.5°	5756.0	5794.3	6041.0	6564.7	7328.9	8244.8	8982.7	9008.9	8525.7	8111.3	8042.6
30°	5525.5	5561.9	5824.7	6380.7	7130.7	8204.3	9251.5	9433.6	8845.2	8299.3	8200.3
32.5°	5272.8	5319.2	5596.2	6156.3	6896.2	8107.2	9486.1	9892.5	9215.2	8501.6	8376.2
35°	4953.3	4995.7	5287.0	5849.0	6588.9	7951.6	9682.3	10402.0	9744.9	8808.8	8669.3
37.5°	4565.1	4605.5	4894.7	5464.8	6283.7	7733.2	9831.8	10976.1	10375.7	9251.5	9065.6
40°	4174.9	4213.4	4484.3	5036.2	5917.7	7454.2	9884.4	11538.2	11099.5	9860.2	9662.1
42.5°	3817.1	3851.4	4100.1	4613.6	5507.3	7098.4	9815.7	12027.5	11748.4	10284.7	10029.9
45°	3487.6	3517.9	3738.3	4217.4	5080.7	6665.8	9609.5	12553.2	12520.8	10587.9	10244.3
47.5°	3111.5	3141.8	3370.3	3833.3	4654.1	6158.3	9259.6	13070.7	13594.4	11275.4	10879.1
50°	2652.6	2678.8	2913.4	3390.5	4211.3	5618.4	8774.4	13477.1	14948.9	12316.6	11819.3
52.5°	2108.7	2137.0	2365.5	2842.6	3685.7	5038.3	8135.5	13742.0	16513.8	13837.0	13224.3
55°	1568.9	1589.1	1787.2	2215.8	3034.7	4377.2	7335.0	13816.7	18288.9	15915.3	15149.1
57.5°	1138.3	1150.4	1277.8	1597.2	2300.8	3550.2	6362.5	13622.7	20401.6	18580.0	17615.6
60°	921.9	926.0	964.4	1105.9	1599.2	2616.2	5187.8	12955.5	22694.3	22014.9	20799.9
62.5°	837.0	837.0	847.2	885.5	1081.7	1726.6	3766.6	11572.6	25152.8	26355.7	24728.2
65°	778.4	778.4	782.4	800.6	853.2	1099.8	2377.6	9320.3	27225.0	31440.4	29382.3
67.5°	725.8	727.9	725.8	731.8	762.2	812.7	1378.8	6437.3	28341.0	36709.1	34487.3
70°	671.3	675.3	665.1	665.1	689.4	691.5	863.3	3530.0	27415.2	41124.7	40540.4
72.5°	606.5	612.6	596.4	592.3	610.6	602.5	649.0	1694.2	23537.4	42442.9	43979.5
75°	549.9	558.0	521.6	511.5	511.5	505.4	527.7	869.4	15276.5	34622.7	37032.6
77.5°	499.4	515.6	456.9	424.6	416.5	398.3	430.6	531.8	6682.0	16255.0	15917.3
80°	412.5	434.7	376.1	337.6	323.5	303.3	339.7	372.0	1987.4	3774.7	3614.9
82.5°	307.3	317.4	266.9	240.6	228.5	214.3	254.7	258.8	647.0	1336.4	1510.2
85°	196.1	200.2	163.8	141.6	135.5	129.4	161.7	141.6	246.6	982.6	1427.4
87.5°	68.8	78.8	62.6	56.6	60.7	50.5	74.8	42.4	68.8	693.5	859.3
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)