

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: P969991

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969991
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-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: -

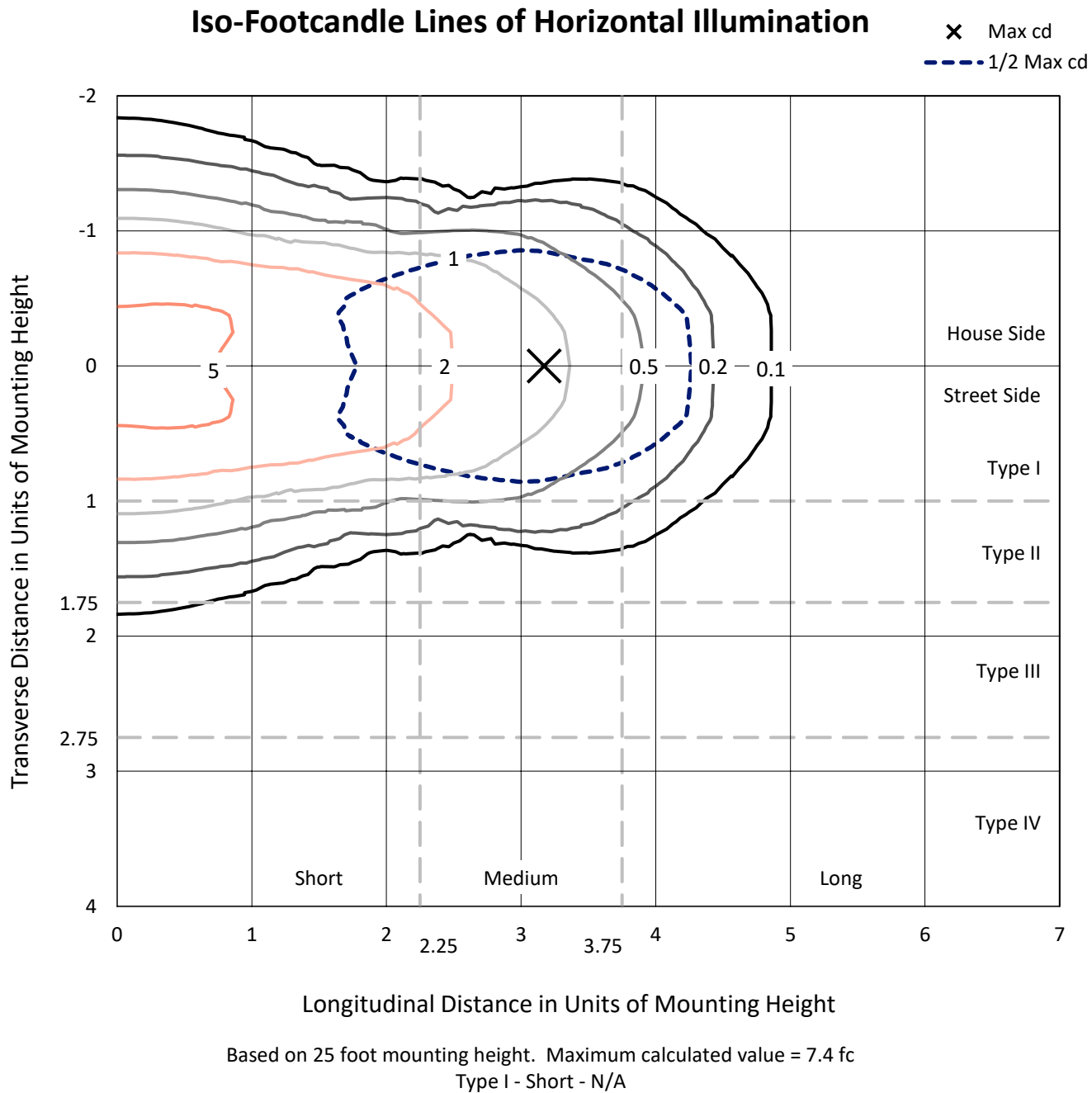
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24784.5 lumens
Efficiency: N/A
Efficacy: 145.0 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

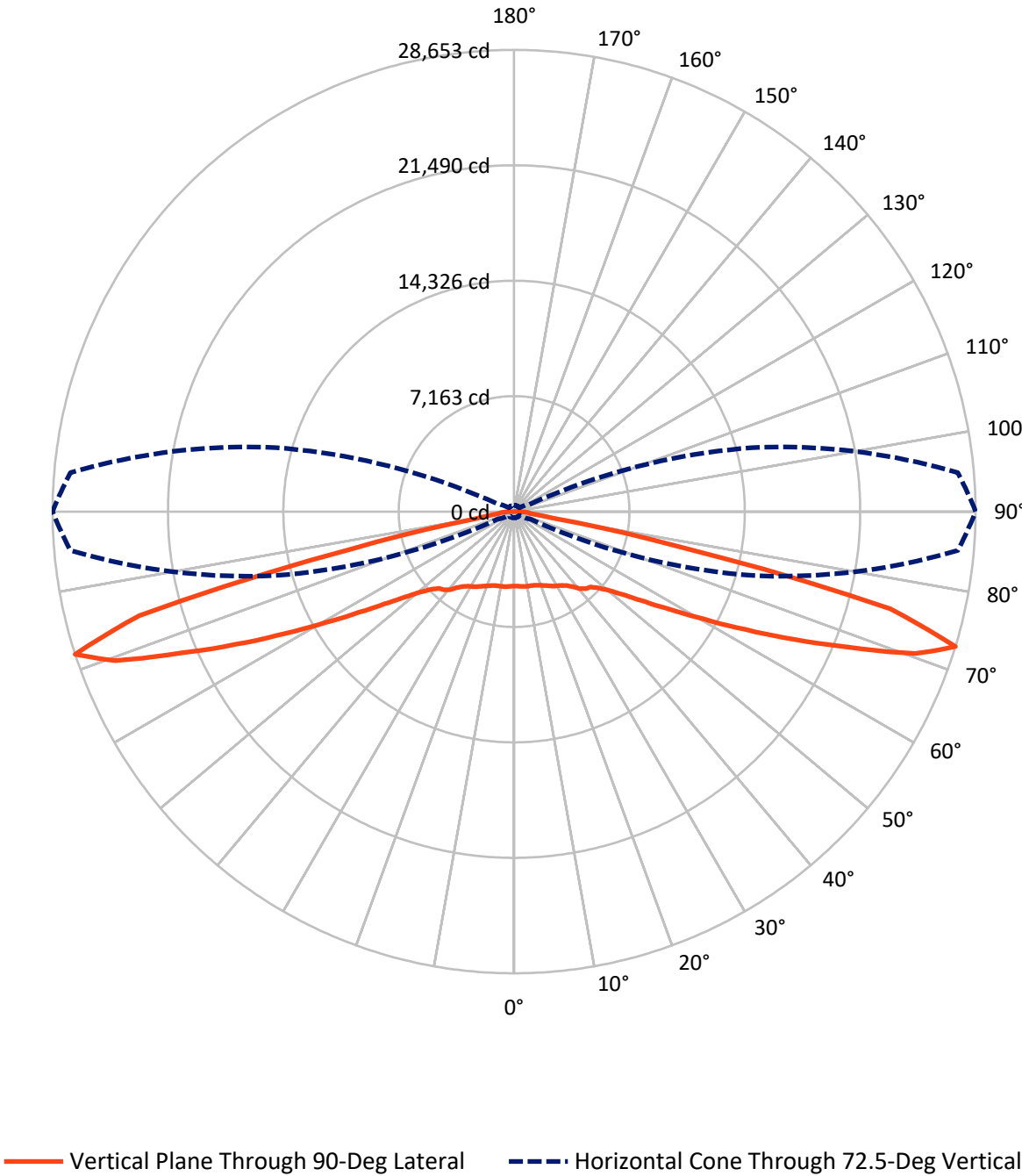


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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12392.3	0.0	12392.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12392.3	0.0	12392.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	24784.5	0.0	24784.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.1	1.8
10°-20°	1373.0	5.5
20°-30°	2289.4	9.2
30°-40°	3148.6	12.7
40°-50°	3845.4	15.5
50°-60°	4447.6	17.9
60°-70°	5303.0	21.4
70°-80°	3701.1	14.9
80°-90°	227.3	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°	24784.5	100.0
0°-180°	24784.5	100.0

Coefficient of Utilization



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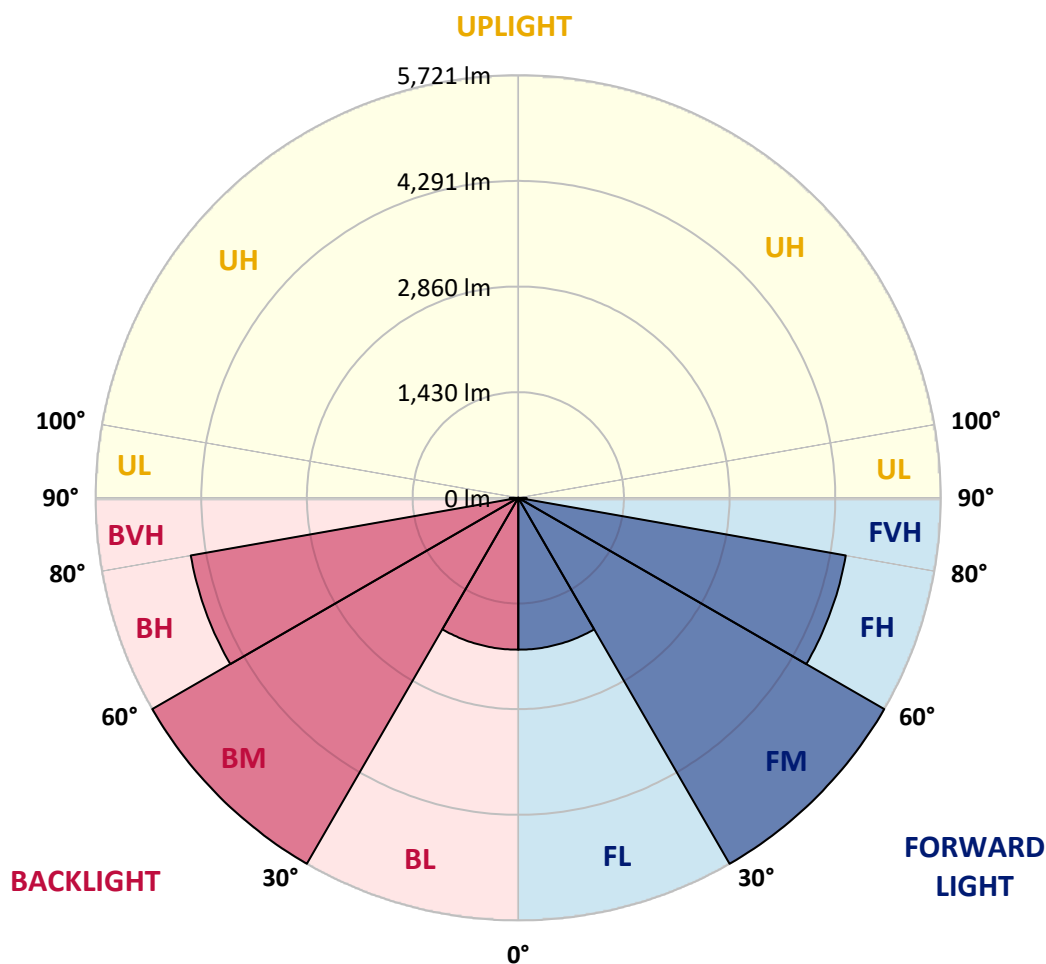
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2055.7	8.3			
FM	(30°-60°)	5720.8	23.1			
FH	(60°-80°)	4502.1	18.2			G2/5000
FVH	(80°-90°)	113.7	0.5			G2/225
BL	(0°-30°)	2055.7	8.3	B3/2500		
BM	(30°-60°)	5720.8	23.1	B4/8500		
BH	(60°-80°)	4502.1	18.2	B4/5000		G4/5000
BVH	(80°-90°)	113.7	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°	4631.3	4631.3	4631.3	4631.3	4631.3	4631.3	4631.3	4631.3	4631.3	4631.3	4631.3
2.5°	4635.2	4640.5	4640.5	4636.5	4645.7	4637.8	4637.8	4633.9	4637.8	4633.9	4633.9
5°	4658.9	4665.5	4668.2	4666.8	4678.7	4672.1	4672.1	4666.8	4668.2	4664.2	4664.2
7.5°	4703.7	4713.0	4718.2	4724.7	4741.9	4734.0	4728.7	4713.0	4706.3	4695.8	4695.8
10°	4718.2	4728.7	4745.9	4780.1	4819.7	4820.9	4805.1	4765.6	4735.3	4711.6	4707.6
12.5°	4673.4	4687.8	4723.4	4793.3	4881.6	4917.0	4892.0	4826.2	4766.9	4724.7	4718.2
15°	4616.8	4632.6	4686.6	4792.0	4922.4	5005.3	5002.7	4915.8	4820.9	4755.1	4744.5
17.5°	4528.6	4544.3	4622.0	4769.5	4953.9	5091.0	5127.9	5038.3	4905.2	4817.0	4802.4
20°	4369.2	4383.6	4491.7	4698.4	4964.5	5181.8	5278.0	5199.0	5033.0	4913.1	4890.7
22.5°	4162.3	4184.8	4311.2	4575.9	4939.5	5276.7	5449.2	5395.2	5181.8	5015.8	4985.6
25°	3941.0	3964.7	4112.3	4425.7	4874.9	5345.2	5652.1	5617.8	5350.4	5143.7	5101.5
27.5°	3750.1	3775.1	3935.8	4276.9	4774.9	5371.5	5852.2	5869.4	5554.6	5284.6	5239.8
30°	3599.9	3623.6	3794.9	4157.1	4645.7	5345.2	6027.5	6146.0	5762.8	5407.1	5342.5
32.5°	3435.2	3465.5	3646.0	4010.8	4493.0	5281.9	6180.2	6445.0	6003.7	5538.8	5457.1
35°	3227.1	3254.8	3444.4	3810.6	4292.7	5180.6	6308.1	6777.0	6348.8	5739.0	5648.2
37.5°	2974.2	3000.6	3188.9	3560.3	4093.8	5038.3	6405.5	7151.0	6759.9	6027.5	5906.3
40°	2720.0	2745.1	2921.6	3281.1	3855.4	4856.4	6439.8	7517.2	7231.4	6424.0	6294.8
42.5°	2486.9	2509.2	2671.3	3005.8	3588.0	4624.7	6395.0	7836.0	7654.2	6700.5	6534.6
45°	2272.1	2291.9	2435.5	2747.6	3310.1	4342.8	6260.6	8178.5	8157.4	6898.1	6674.2
47.5°	2027.1	2046.9	2195.8	2497.4	3032.2	4012.2	6032.7	8515.6	8856.8	7346.0	7087.8
50°	1728.2	1745.3	1898.1	2209.0	2743.7	3660.5	5716.6	8780.4	9739.3	8024.3	7700.3
52.5°	1373.8	1392.3	1541.1	1852.0	2401.3	3282.5	5300.4	8953.0	10758.8	9014.9	8615.7
55°	1022.1	1035.4	1164.4	1443.6	1977.1	2851.8	4778.8	9001.7	11915.3	10368.9	9869.7
57.5°	741.6	749.5	832.5	1040.6	1499.0	2313.0	4145.2	8875.3	13291.8	12104.9	11476.7
60°	600.6	603.3	628.3	720.5	1041.9	1704.5	3379.9	8440.6	14785.5	14342.9	13551.2
62.5°	545.3	545.3	551.9	577.0	704.7	1124.8	2454.0	7539.6	16387.2	17170.9	16110.5
65°	507.1	507.1	509.7	521.6	555.9	716.6	1549.0	6072.2	17737.3	20483.6	19142.7
67.5°	472.8	474.2	472.8	476.8	496.6	529.5	898.3	4193.9	18464.4	23916.2	22468.6
70°	437.3	439.9	433.4	433.4	449.2	450.5	562.4	2299.8	17861.1	26793.0	26412.3
72.5°	395.1	399.1	388.6	385.9	397.8	392.5	422.8	1103.8	15334.7	27651.8	28652.8
75°	358.2	363.6	339.8	333.2	333.2	329.3	343.8	566.4	9952.8	22556.9	24127.0
77.5°	325.3	335.9	297.7	276.6	271.3	259.5	280.5	346.4	4353.3	10590.2	10370.2
80°	268.8	283.2	245.0	220.0	210.7	197.6	221.3	242.4	1294.8	2459.2	2355.1
82.5°	200.2	206.8	173.8	156.7	148.8	139.6	165.9	168.6	421.5	870.6	983.9
85°	127.8	130.4	106.7	92.2	88.3	84.3	105.4	92.2	160.7	640.1	930.0
87.5°	44.8	51.4	40.8	36.9	39.6	32.9	48.7	27.7	44.8	451.8	559.9
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)