

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: P970782

Luminaire Tested: **NAV-SB6C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB6C-722-U-5NQ
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40295.8 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

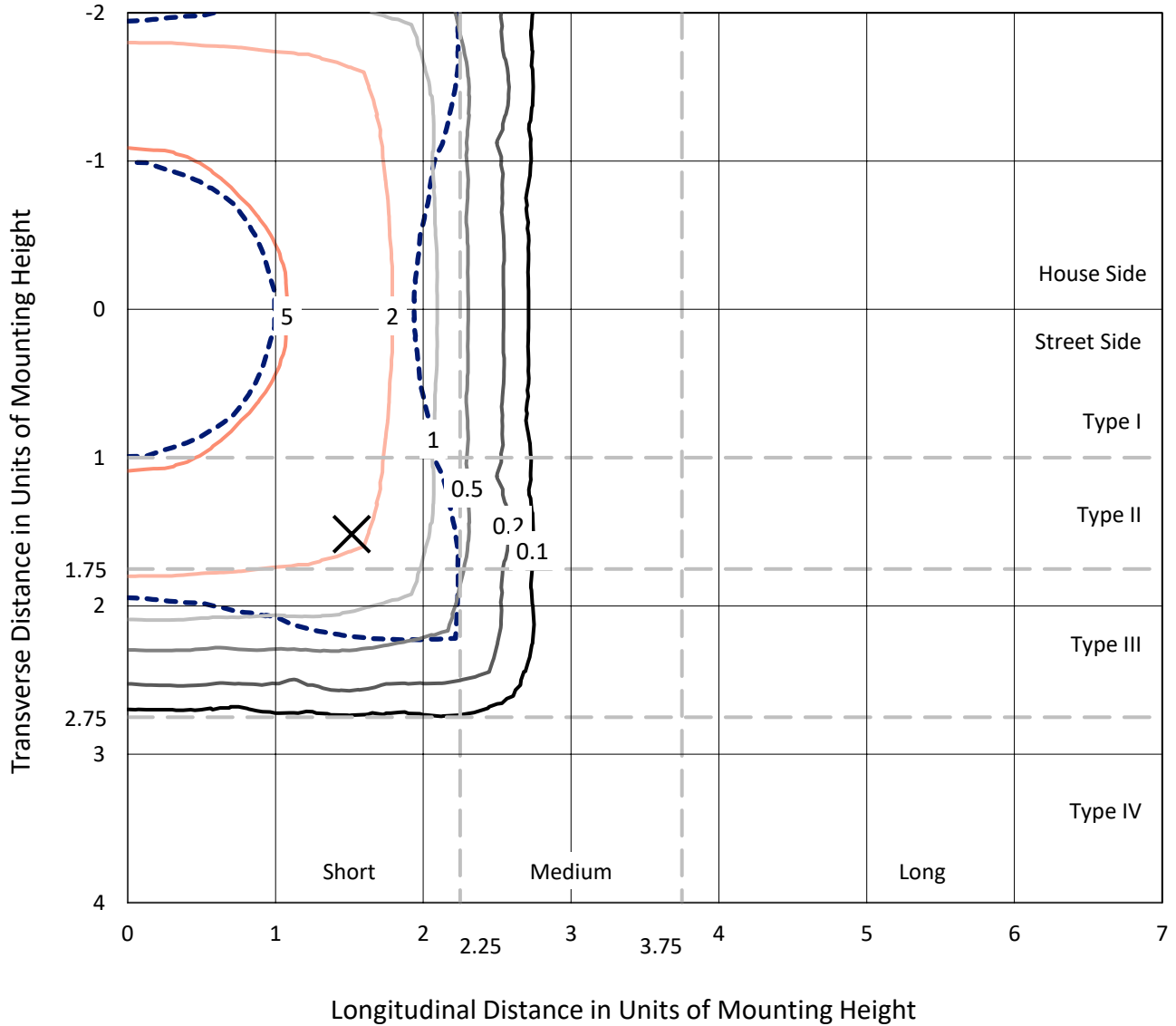
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

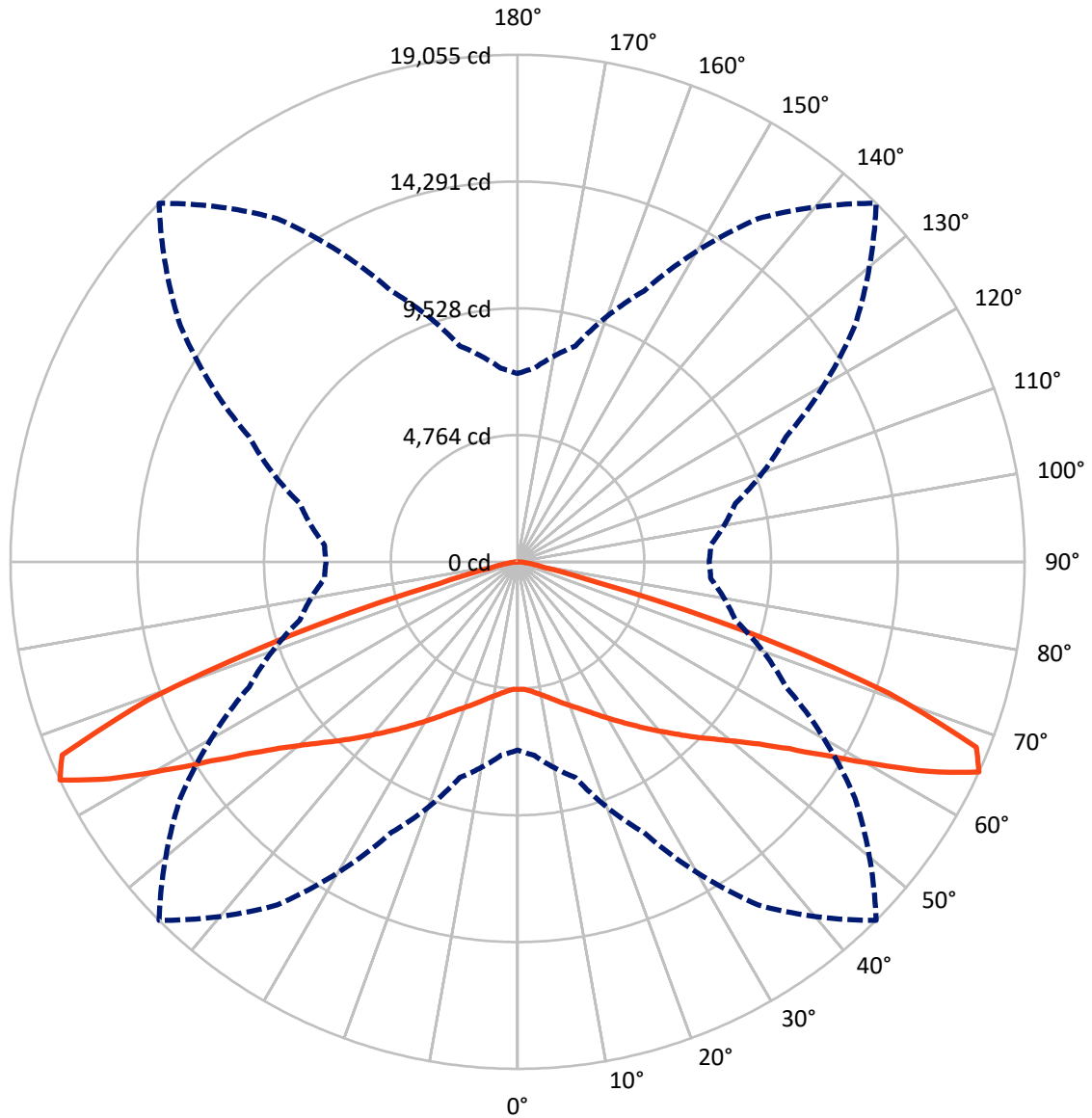
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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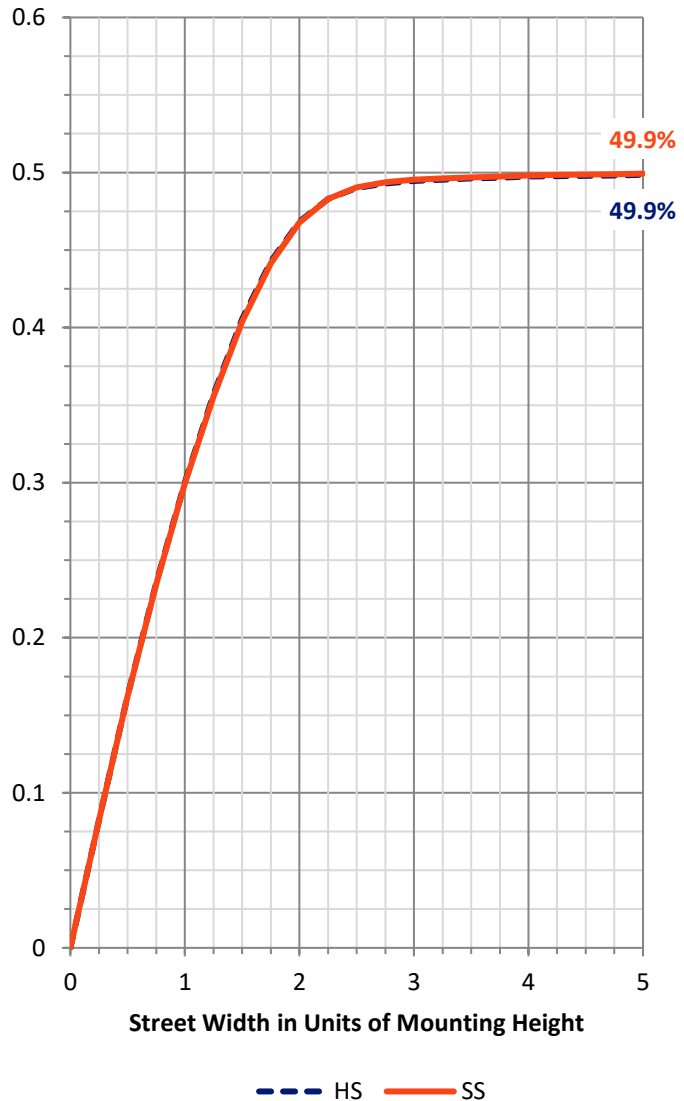
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20147.9	0.0	20147.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20147.9	0.0	20147.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	40295.8	0.0	40295.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.3	1.2
10°-20°	1544.4	3.8
20°-30°	2915.9	7.2
30°-40°	4774.7	11.8
40°-50°	7403.2	18.4
50°-60°	10936.1	27.1
60°-70°	10410.1	25.8
70°-80°	1679.8	4.2
80°-90°	158.3	0.4
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°	40295.8	100.0
0°-180°	40295.8	100.0

Coefficient of Utilization



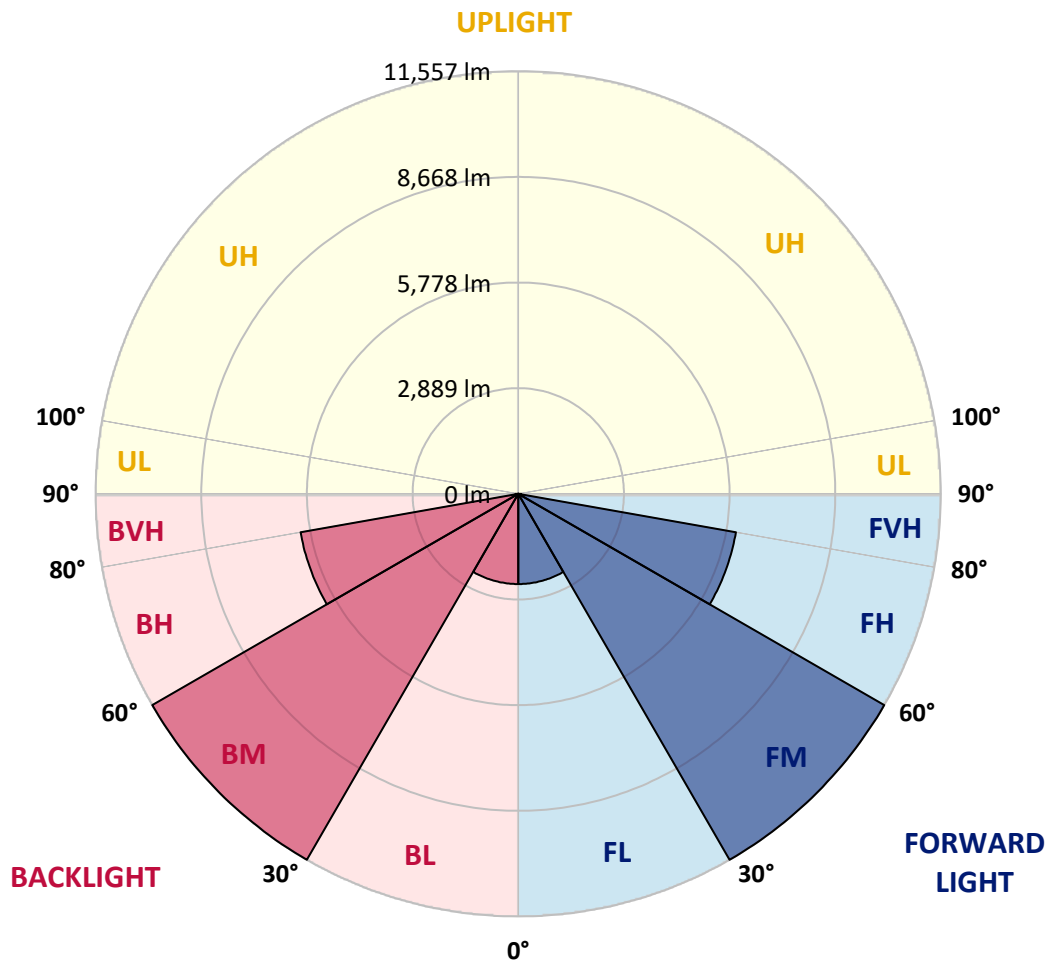
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2466.8	6.1			
FM (30°-60°)	11557.0	28.7			
FH (60°-80°)	6045.0	15.0			G3/7500
FVH (80°-90°)	79.2	0.2			G1/100
BL (0°-30°)	2466.8	6.1	B3/2500		
BM (30°-60°)	11557.0	28.7	B5		
BH (60°-80°)	6045.0	15.0	B5		G3/7500
BVH (80°-90°)	79.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4795.6	4795.6	4795.6	4795.6	4795.6	4795.6	4795.6	4795.6	4795.6	4795.6	4795.6
2.5°	4828.0	4811.8	4824.0	4813.8	4805.7	4797.6	4801.7	4815.9	4821.9	4824.0	4824.0
5°	4892.6	4878.5	4884.5	4884.5	4870.4	4866.4	4868.3	4878.5	4890.6	4890.6	4890.6
7.5°	4997.8	4983.7	4997.8	4989.7	4977.6	4973.5	4971.5	4979.6	4997.8	4997.8	4991.8
10°	5125.1	5109.0	5117.1	5113.0	5098.9	5092.8	5090.8	5103.0	5119.1	5117.1	5113.0
12.5°	5264.6	5246.5	5256.6	5244.4	5240.4	5234.4	5234.4	5232.3	5242.5	5234.4	5238.4
15°	5420.3	5408.2	5412.2	5404.1	5410.3	5406.2	5390.0	5381.9	5386.0	5373.9	5375.8
17.5°	5604.3	5576.0	5590.1	5586.1	5586.1	5594.2	5567.9	5557.9	5565.9	5553.8	5563.9
20°	5816.6	5788.3	5794.3	5786.2	5776.2	5784.3	5751.9	5760.0	5766.0	5757.9	5776.2
22.5°	6049.1	6012.8	6010.7	6014.7	5992.5	5994.5	5972.3	5992.5	6004.7	5982.4	6004.7
25°	6287.7	6249.2	6275.6	6265.4	6237.1	6243.2	6227.0	6247.3	6257.3	6229.0	6261.4
27.5°	6540.4	6514.1	6538.4	6544.4	6510.1	6534.3	6510.1	6528.2	6538.4	6495.9	6528.2
30°	6835.5	6809.3	6831.5	6847.7	6807.2	6845.7	6825.5	6837.6	6839.6	6789.1	6819.4
32.5°	7157.1	7116.6	7173.2	7181.3	7136.8	7183.3	7157.1	7173.2	7183.3	7114.5	7161.1
35°	7549.2	7498.7	7563.4	7553.3	7514.9	7553.3	7529.0	7553.3	7577.5	7494.7	7545.2
37.5°	7971.8	7919.3	7987.9	7969.8	7933.4	7959.6	7945.5	7961.7	8000.1	7911.2	7965.7
40°	8436.8	8372.1	8465.1	8432.8	8398.3	8394.3	8402.4	8412.5	8463.1	8364.0	8396.4
42.5°	8934.1	8865.4	9004.9	8954.4	8905.8	8873.5	8899.8	8920.0	8968.5	8857.3	8916.0
45°	9502.3	9423.4	9605.4	9544.7	9467.9	9401.2	9443.6	9474.0	9544.7	9411.2	9480.0
47.5°	10129.0	10040.1	10234.1	10216.0	10090.6	9945.1	10042.0	10129.0	10181.5	10019.8	10074.4
50°	10741.6	10672.8	10927.6	10949.9	10796.2	10591.9	10727.4	10858.8	10873.0	10660.7	10687.0
52.5°	11315.8	11247.0	11617.0	11756.5	11619.0	11376.4	11520.0	11653.4	11546.2	11271.3	11279.4
55°	11774.7	11718.1	12189.2	12549.1	12595.5	12395.4	12480.3	12476.3	12124.5	11701.9	11716.1
57.5°	11885.9	11877.8	12472.2	13234.4	13719.6	13743.9	13576.1	13147.5	12389.3	11821.2	11784.8
60°	11380.5	11431.0	12247.8	13592.2	14886.2	15424.0	14698.2	13475.0	12088.1	11299.6	11206.6
62.5°	9868.2	10001.6	10986.3	13155.6	15828.4	17356.7	15597.8	12977.6	10850.8	9821.7	9761.1
65°	7072.1	7304.6	8392.3	11226.8	15743.4	19055.1	15468.5	11135.8	8473.2	7286.4	7199.5
67.5°	3208.6	3445.0	4369.1	7686.7	13685.3	18594.1	13652.9	7767.6	4587.4	3457.2	3406.7
70°	1162.6	1202.9	1500.2	3077.2	8746.1	14815.5	9120.1	3099.4	1595.2	1281.8	1265.7
72.5°	703.6	709.6	772.3	1101.9	3038.7	8994.8	3168.1	1138.3	788.5	699.6	711.7
75°	446.8	442.8	549.9	673.2	1077.6	3034.6	1130.2	673.2	547.9	499.4	503.4
77.5°	321.4	331.6	394.2	503.4	679.3	1029.1	667.2	481.1	394.2	323.5	329.5
80°	240.6	246.6	287.1	392.3	477.1	640.9	424.6	355.9	297.1	202.1	208.3
82.5°	173.8	173.8	188.0	285.1	291.1	345.7	230.5	250.7	196.1	143.5	143.5
85°	103.1	101.1	117.3	169.8	151.6	127.4	105.2	153.6	123.3	89.0	86.9
87.5°	36.4	38.4	36.4	48.5	40.4	34.3	32.4	42.4	34.3	30.3	28.3
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)