

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: P970786

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-SB6C-722-U-RW
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39597.8 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

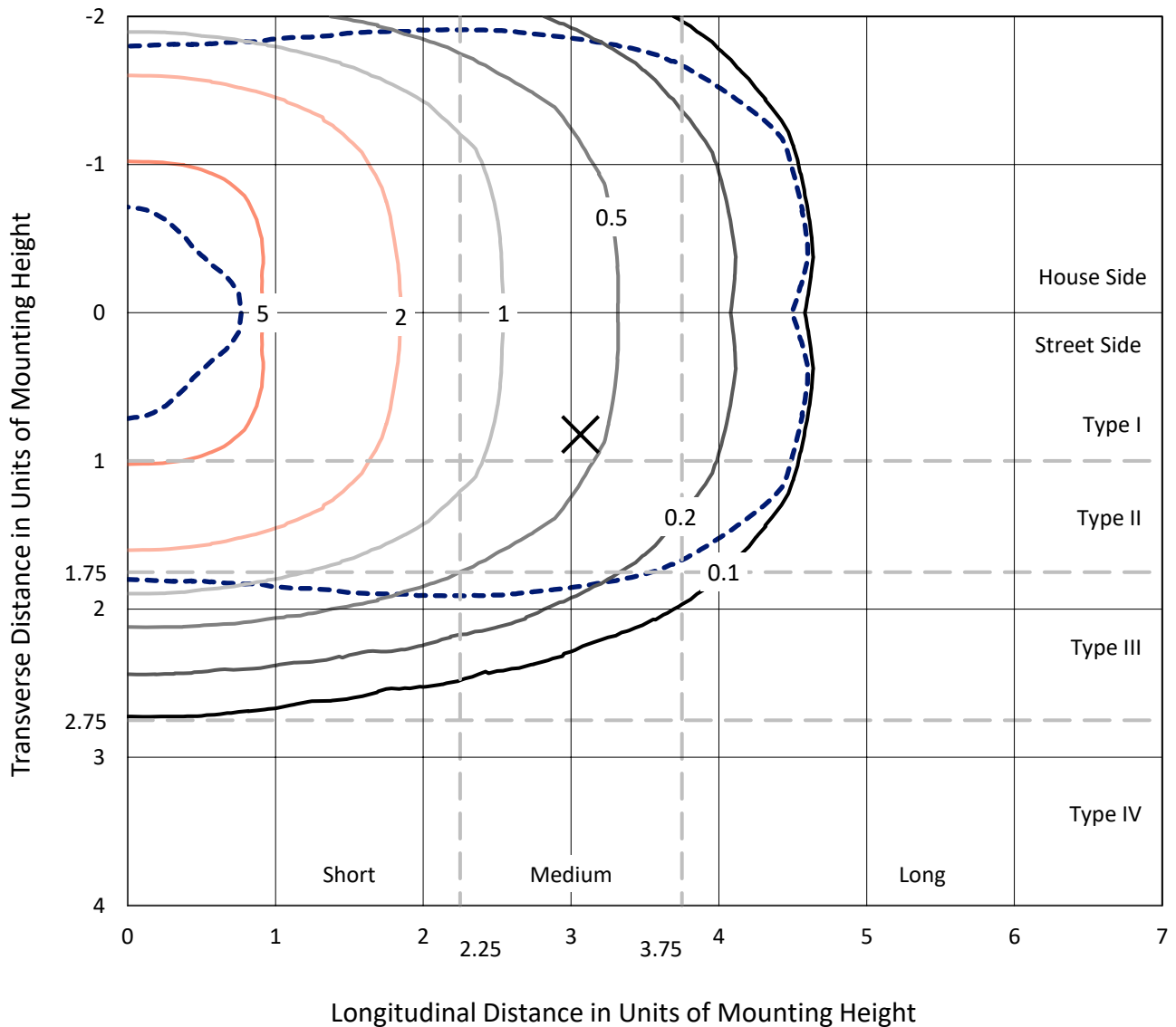
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

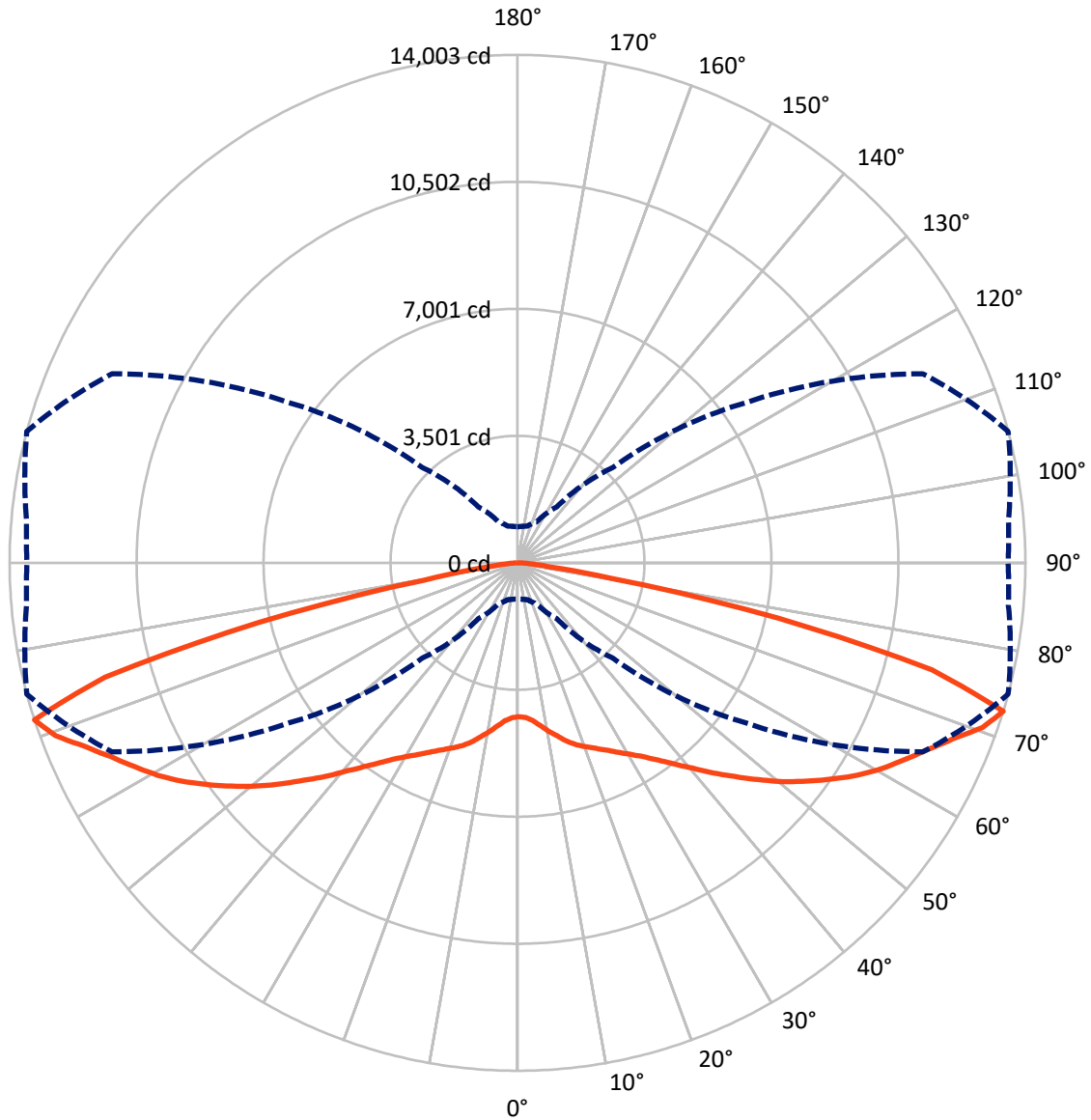
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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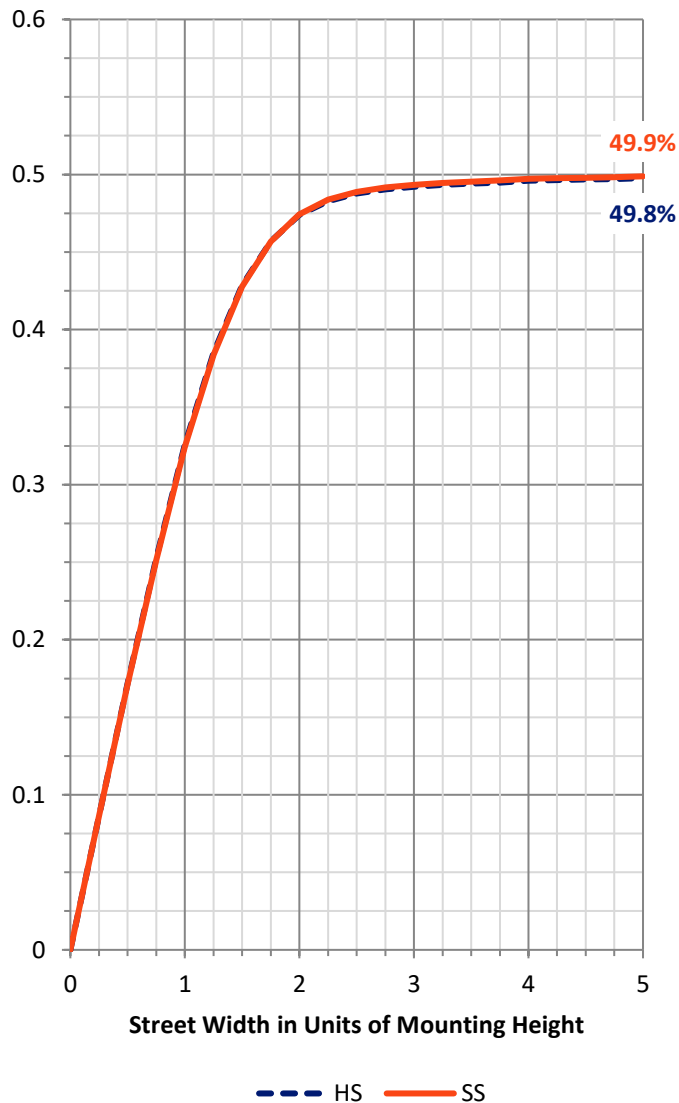
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19798.9	0.0	19798.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19798.9	0.0	19798.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	39597.8	0.0	39597.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.5	1.0
10°-20°	1370.4	3.5
20°-30°	2648.0	6.7
30°-40°	4471.4	11.3
40°-50°	7091.1	17.9
50°-60°	9494.2	24.0
60°-70°	9035.4	22.8
70°-80°	4714.8	11.9
80°-90°	356.9	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°	39597.8	100.0
0°-180°	39597.8	100.0

Coefficient of Utilization

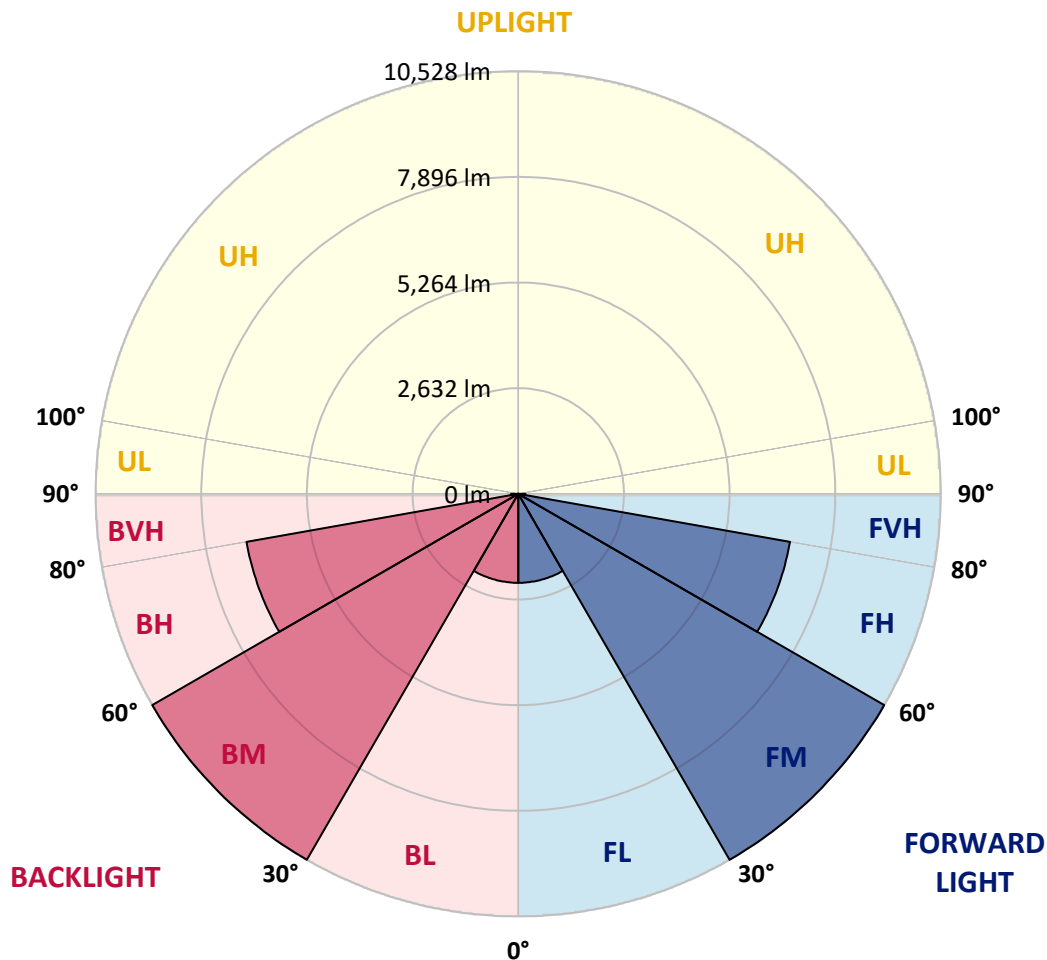


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2217.0	5.6			
FM (30°-60°)	10528.3	26.6			
FH (60°-80°)	6875.1	17.4			G3/7500
FVH (80°-90°)	178.4	0.5			G2/225
BL (0°-30°)	2217.0	5.6	B3/2500		
BM (30°-60°)	10528.3	26.6	B5		
BH (60°-80°)	6875.1	17.4	B5		G5
BVH (80°-90°)	178.4	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4241.7	4241.7	4241.7	4241.7	4241.7	4241.7	4241.7	4241.7	4241.7	4241.7	4241.7
2.5°	4241.7	4237.6	4241.7	4245.7	4243.7	4243.7	4253.8	4259.8	4272.0	4269.9	4267.9
5°	4213.4	4211.3	4227.5	4245.7	4259.8	4284.1	4314.4	4336.7	4365.0	4371.0	4371.0
7.5°	4199.2	4193.1	4221.5	4253.8	4298.2	4358.9	4417.5	4478.2	4526.7	4542.9	4546.9
10°	4209.3	4211.3	4249.8	4310.3	4381.2	4466.0	4549.0	4652.1	4720.7	4736.9	4753.1
12.5°	4255.8	4251.7	4316.5	4413.4	4510.5	4617.7	4714.7	4828.0	4902.8	4941.1	4957.3
15°	4340.7	4332.6	4423.6	4567.1	4708.6	4834.0	4912.8	5020.0	5107.0	5155.4	5173.7
17.5°	4441.8	4445.8	4565.1	4751.1	4937.1	5078.7	5153.4	5208.0	5274.8	5317.2	5337.4
20°	4619.7	4627.8	4761.2	4981.6	5193.9	5355.6	5416.3	5396.0	5414.3	5446.6	5470.8
22.5°	4858.3	4862.3	5011.9	5250.5	5472.9	5650.8	5691.2	5608.3	5557.8	5580.0	5596.2
25°	5135.2	5161.5	5311.1	5555.8	5784.3	5954.0	5972.3	5846.9	5721.5	5727.6	5737.7
27.5°	5472.9	5497.2	5648.8	5891.4	6123.9	6271.5	6269.4	6101.6	5917.6	5871.2	5885.3
30°	5838.8	5865.0	6020.7	6271.5	6487.8	6617.2	6588.9	6388.7	6125.9	6039.0	6049.0
32.5°	6273.5	6289.7	6447.4	6698.1	6898.2	7001.4	6942.7	6696.0	6368.5	6269.4	6293.7
35°	6799.1	6823.4	6940.7	7177.3	7353.1	7438.0	7339.0	7047.8	6679.8	6568.7	6584.8
37.5°	7399.6	7383.5	7516.8	7727.2	7872.7	7925.3	7789.8	7444.1	7035.7	6904.3	6928.6
40°	8026.4	8018.3	8163.8	8366.0	8444.9	8477.2	8277.1	7899.0	7446.1	7304.6	7351.1
42.5°	8594.4	8588.4	8784.6	9008.9	9103.9	9067.6	8814.8	8382.1	7921.2	7759.5	7799.9
45°	9049.3	9041.3	9281.9	9597.3	9783.2	9722.6	9383.0	8916.0	8402.4	8234.5	8273.0
47.5°	9399.1	9403.1	9662.0	10052.2	10377.6	10399.9	9963.2	9459.7	8932.1	8742.0	8798.7
50°	9651.8	9664.0	9941.0	10373.6	10818.4	11014.5	10555.6	10017.7	9480.0	9265.7	9330.4
52.5°	9714.5	9736.8	10070.3	10577.8	11101.5	11475.5	11158.0	10553.5	9999.6	9795.4	9848.0
55°	9380.9	9425.4	9848.0	10561.6	11275.3	11778.7	11687.8	11097.4	10523.2	10312.9	10371.6
57.5°	8614.7	8677.3	9170.7	10102.7	11236.9	11987.0	12098.2	11619.0	11046.8	10844.7	10891.1
60°	7541.1	7616.0	8089.0	9106.0	10695.1	12063.7	12387.2	12126.5	11528.1	11331.9	11374.3
62.5°	5921.7	6018.8	6584.8	7777.7	9550.7	11705.9	12633.9	12585.4	11960.7	11716.1	11744.3
65°	3798.9	3902.0	4498.4	5907.6	8024.3	10610.2	12710.7	13032.2	12417.6	12075.9	12118.4
67.5°	2290.7	2337.1	2632.3	3580.5	5865.0	8958.4	12059.7	13527.5	12951.3	12526.7	12559.1
70°	1465.7	1492.1	1668.0	2102.6	3315.7	6536.3	10446.4	13620.5	13598.3	12989.7	12985.7
72.5°	994.7	1002.8	1049.3	1245.4	1876.2	3714.0	7704.9	12330.6	14002.6	13586.2	13521.5
75°	727.9	772.3	847.2	881.5	1065.5	1856.0	4415.5	8663.2	11800.9	11983.0	11542.2
77.5°	541.8	543.9	647.0	687.4	760.1	988.6	1868.1	4836.1	7326.8	7692.7	6861.9
80°	458.9	434.7	432.7	553.9	572.2	616.6	835.0	1669.9	2624.2	1591.1	1202.9
82.5°	382.1	355.8	321.4	432.7	390.2	378.0	361.9	679.3	835.0	410.4	349.7
85°	266.9	254.7	242.6	283.0	222.4	190.0	173.8	317.4	351.8	173.8	153.6
87.5°	115.2	119.3	121.3	125.4	93.0	66.7	66.7	89.0	89.0	68.8	50.5
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)