

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: P969794

Luminaire Tested: **NAV-SB6A-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969794
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-SB6A-730-U-RW
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28711.3 lumens
Efficiency: N/A
Efficacy: 168.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

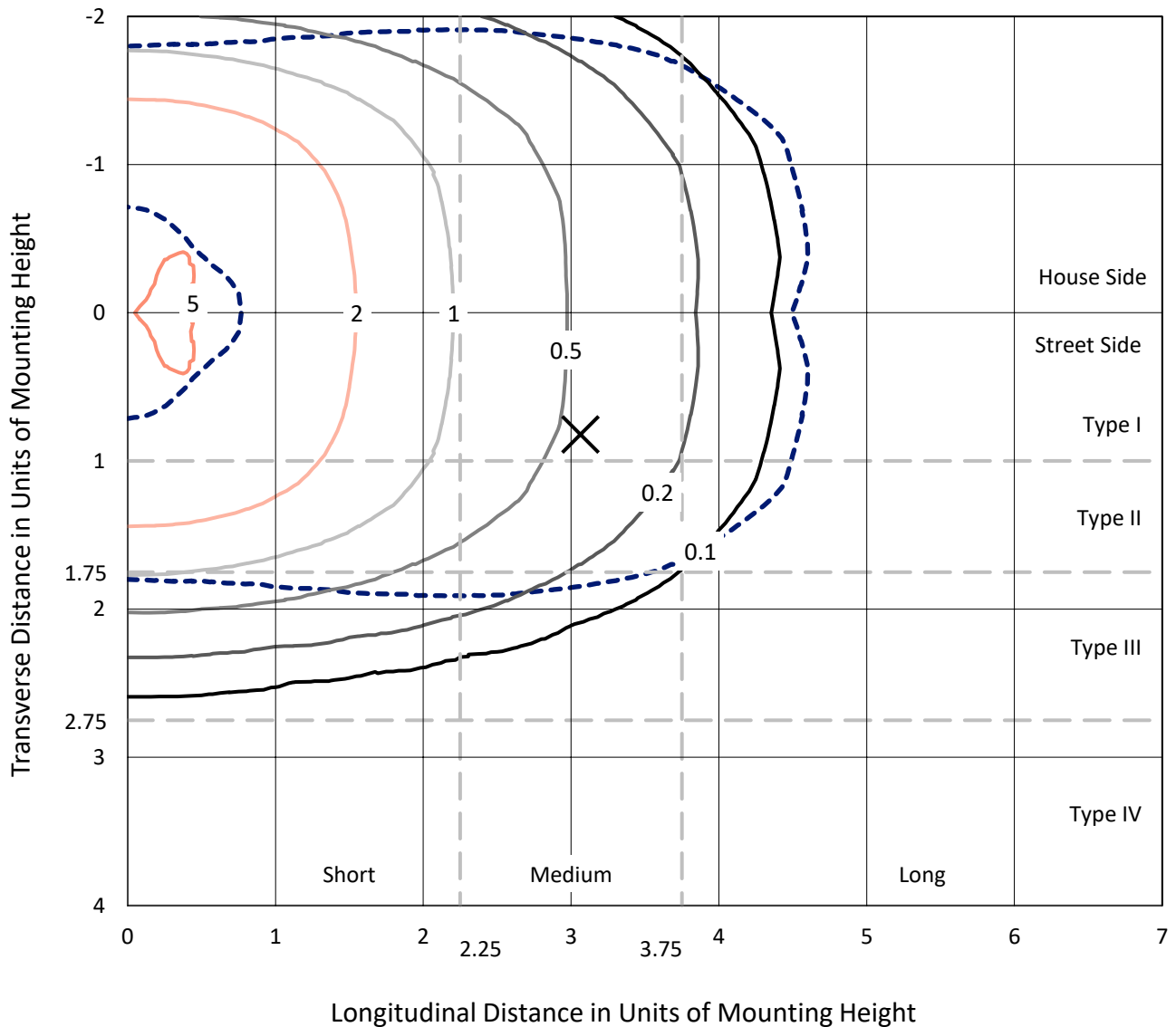
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

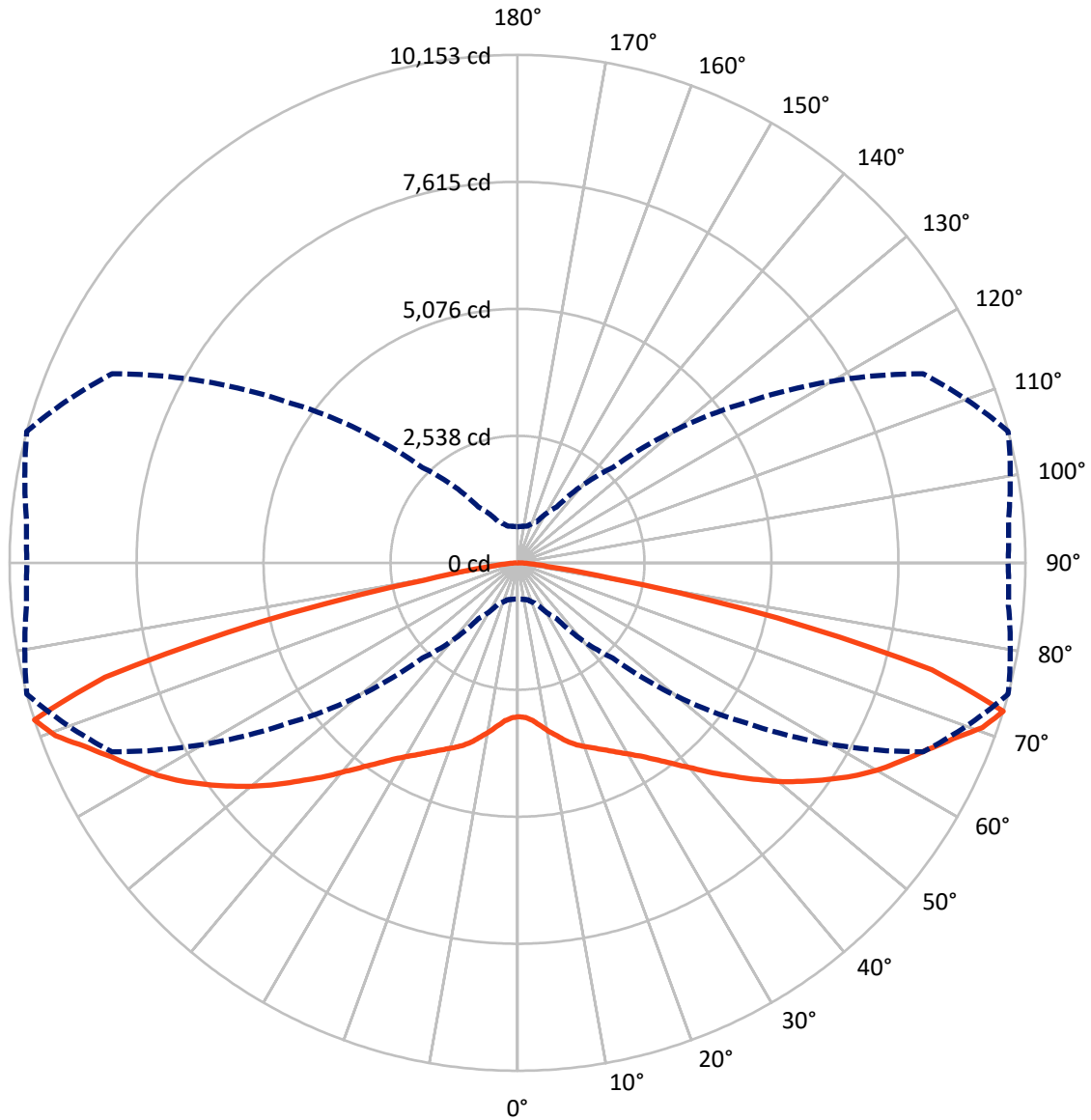
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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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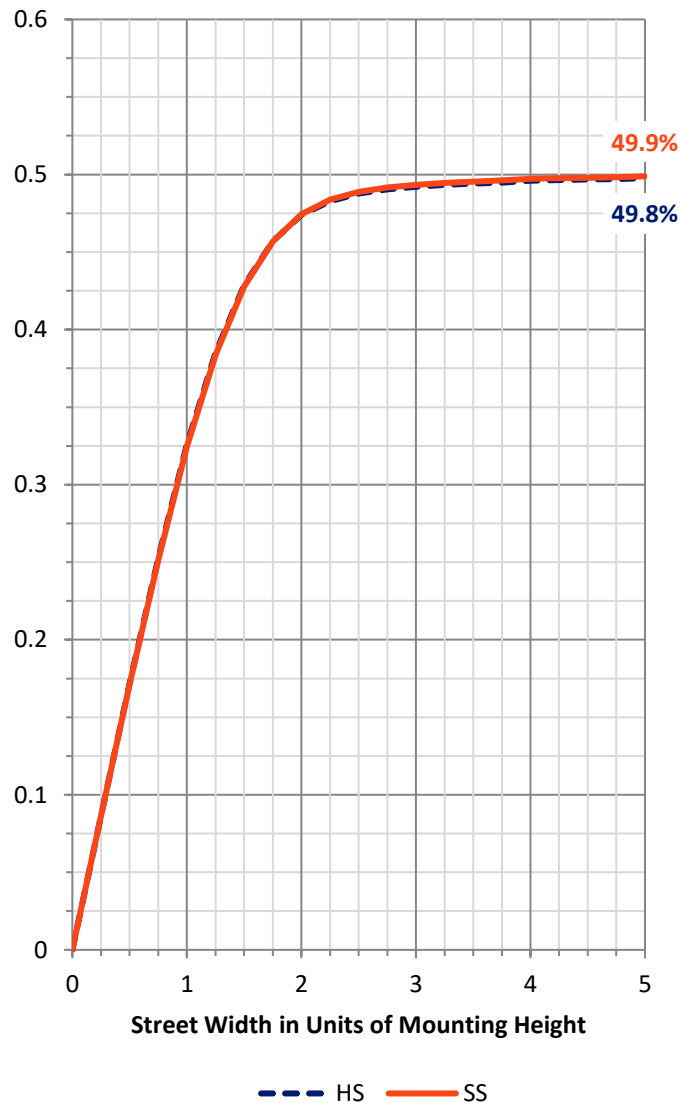
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14355.6	0.0	14355.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14355.6	0.0	14355.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	28711.3	0.0	28711.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.3	1.0
10°-20°	993.7	3.5
20°-30°	1920.0	6.7
30°-40°	3242.1	11.3
40°-50°	5141.6	17.9
50°-60°	6884.0	24.0
60°-70°	6551.3	22.8
70°-80°	3418.6	11.9
80°-90°	258.8	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°	28711.3	100.0
0°-180°	28711.3	100.0

Coefficient of Utilization

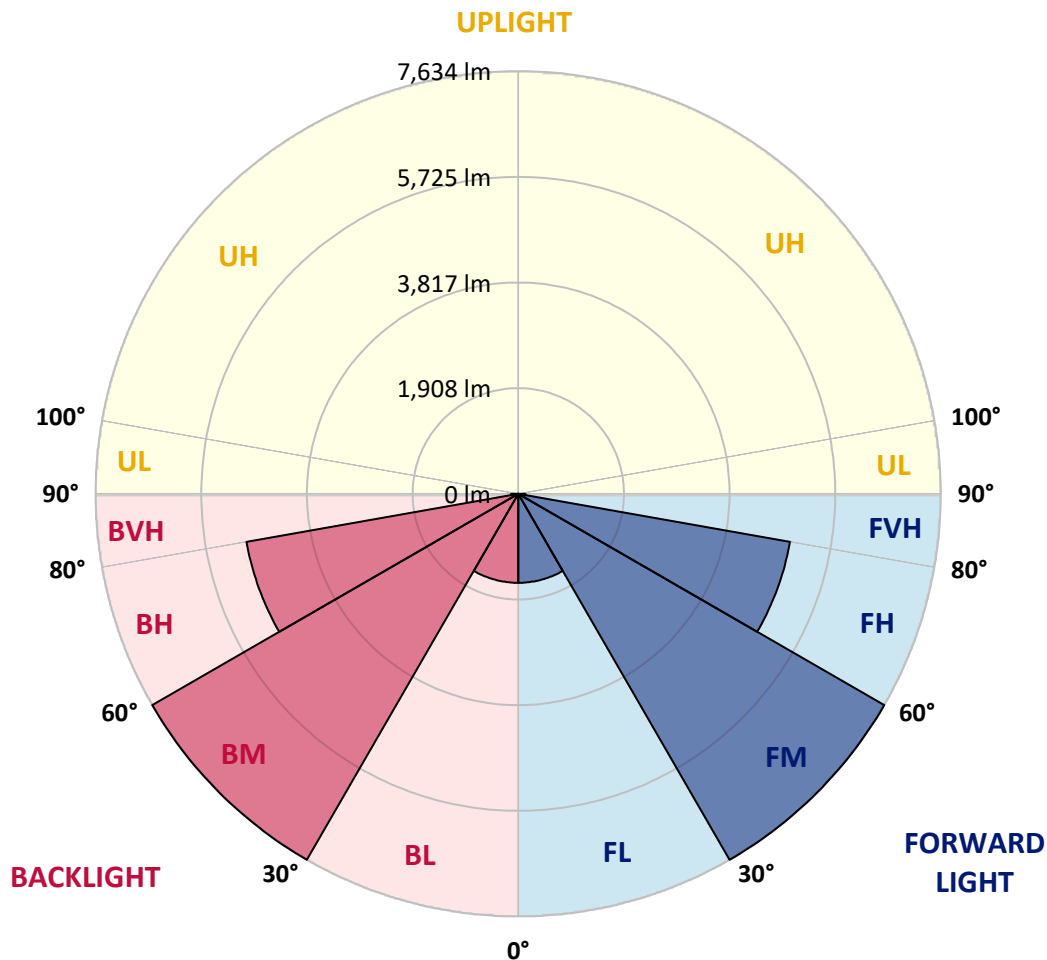


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1607.5	5.6			
FM (30°-60°)	7633.8	26.6			
FH (60°-80°)	4985.0	17.4			G2/5000
FVH (80°-90°)	129.4	0.5			G2/225
BL (0°-30°)	1607.5	5.6	B3/2500		
BM (30°-60°)	7633.8	26.6	B4/8500		
BH (60°-80°)	4985.0	17.4	B4/5000		G4/5000
BVH (80°-90°)	129.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3075.5	3075.5	3075.5	3075.5	3075.5	3075.5	3075.5	3075.5	3075.5	3075.5	3075.5
2.5°	3075.5	3072.5	3075.5	3078.4	3076.9	3076.9	3084.3	3088.7	3097.4	3096.0	3094.6
5°	3055.0	3053.5	3065.3	3078.4	3088.7	3106.3	3128.3	3144.4	3164.9	3169.3	3169.3
7.5°	3044.7	3040.4	3060.9	3084.3	3116.5	3160.5	3203.0	3247.0	3282.2	3293.9	3296.8
10°	3052.0	3053.5	3081.4	3125.3	3176.7	3238.2	3298.3	3373.1	3422.9	3434.7	3446.4
12.5°	3085.8	3082.8	3129.7	3200.0	3270.5	3348.2	3418.5	3500.6	3554.8	3582.7	3594.5
15°	3147.4	3141.4	3207.4	3311.5	3414.1	3505.0	3562.2	3639.9	3702.9	3738.1	3751.3
17.5°	3220.7	3223.5	3310.0	3444.9	3579.8	3682.4	3736.6	3776.2	3824.6	3855.3	3870.0
20°	3349.6	3355.4	3452.2	3612.0	3766.0	3883.2	3927.2	3912.5	3925.7	3949.2	3966.7
22.5°	3522.6	3525.5	3634.0	3807.0	3968.2	4097.2	4126.5	4066.5	4029.8	4045.9	4057.7
25°	3723.4	3742.5	3850.9	4028.4	4194.0	4317.1	4330.3	4239.4	4148.6	4152.9	4160.3
27.5°	3968.2	3985.8	4095.8	4271.7	4440.3	4547.3	4545.8	4424.1	4290.8	4257.0	4267.3
30°	4233.6	4252.6	4365.5	4547.3	4704.1	4797.9	4777.4	4632.3	4441.7	4378.7	4386.0
32.5°	4548.7	4560.4	4674.8	4856.6	5001.7	5076.5	5034.0	4855.1	4617.6	4545.8	4563.4
35°	4929.8	4947.5	5032.4	5204.0	5331.5	5393.1	5321.3	5110.1	4843.4	4762.8	4774.4
37.5°	5365.3	5353.6	5450.2	5602.8	5708.3	5746.4	5648.2	5397.5	5101.4	5006.1	5023.7
40°	5819.6	5813.8	5919.4	6066.0	6123.1	6146.6	6001.5	5727.3	5399.0	5296.4	5330.1
42.5°	6231.6	6227.2	6369.5	6532.1	6601.0	6574.7	6391.4	6077.7	5743.5	5626.2	5655.5
45°	6561.4	6555.6	6730.0	6958.7	7093.6	7049.5	6803.3	6464.7	6092.4	5970.6	5998.5
47.5°	6815.0	6818.0	7005.6	7288.6	7524.5	7540.7	7224.0	6859.0	6476.5	6338.6	6379.7
50°	6998.3	7007.1	7207.9	7521.7	7844.1	7986.3	7653.6	7263.7	6873.6	6718.3	6765.2
52.5°	7043.7	7059.9	7301.7	7669.7	8049.3	8320.5	8090.4	7652.0	7250.4	7102.3	7140.5
55°	6801.9	6834.1	7140.5	7658.0	8175.4	8540.4	8474.5	8046.5	7630.1	7477.7	7520.1
57.5°	6246.2	6291.8	6649.4	7325.2	8147.5	8691.4	8772.1	8424.6	8009.8	7863.2	7896.9
60°	5467.9	5522.1	5865.2	6602.4	7754.7	8747.1	8981.7	8792.6	8358.7	8216.5	8247.3
62.5°	4293.6	4364.0	4774.4	5639.3	6925.0	8487.6	9160.5	9125.4	8672.3	8495.0	8515.5
65°	2754.5	2829.2	3261.7	4283.4	5818.2	7693.1	9216.2	9449.3	9003.7	8756.0	8786.7
67.5°	1660.9	1694.6	1908.7	2596.1	4252.6	6495.4	8744.2	9808.4	9390.6	9082.8	9106.3
70°	1062.8	1081.9	1209.4	1524.6	2404.1	4739.3	7574.3	9875.9	9859.8	9418.5	9415.5
72.5°	721.2	727.1	760.9	903.0	1360.4	2692.9	5586.6	8940.7	10152.9	9851.0	9804.0
75°	527.8	560.0	614.2	639.2	772.5	1345.7	3201.6	6281.4	8556.6	8688.5	8368.9
77.5°	392.9	394.3	469.1	498.5	551.1	716.8	1354.5	3506.4	5312.5	5577.8	4975.3
80°	332.7	315.2	313.8	401.7	414.8	447.1	605.5	1210.8	1902.8	1153.6	872.2
82.5°	277.1	258.0	233.1	313.8	282.9	274.1	262.4	492.5	605.5	297.6	253.6
85°	193.5	184.7	175.9	205.2	161.2	137.8	126.1	230.1	255.0	126.1	111.4
87.5°	83.5	86.5	87.9	90.9	67.4	48.4	48.4	64.5	64.5	49.8	36.7
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)