

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: P964462

Luminaire Tested: **NAV-SB3C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964462
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-SB3C-722-U-RW
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 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: 19591.8 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

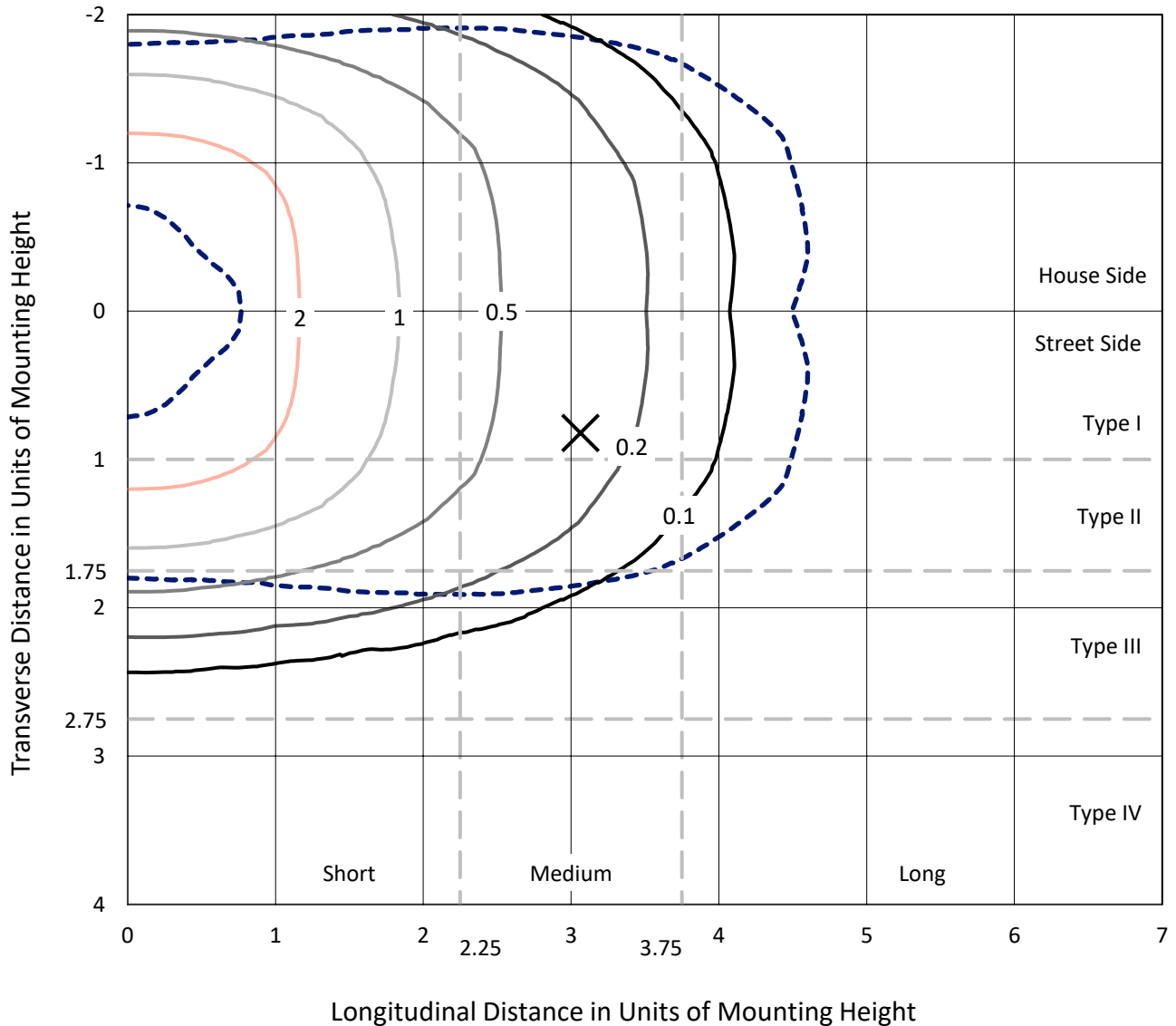
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P964462
 CATALOG NUMBER: NAV-SB3C-722-U-RW

Iso-Footcandle Lines of Horizontal Illumination

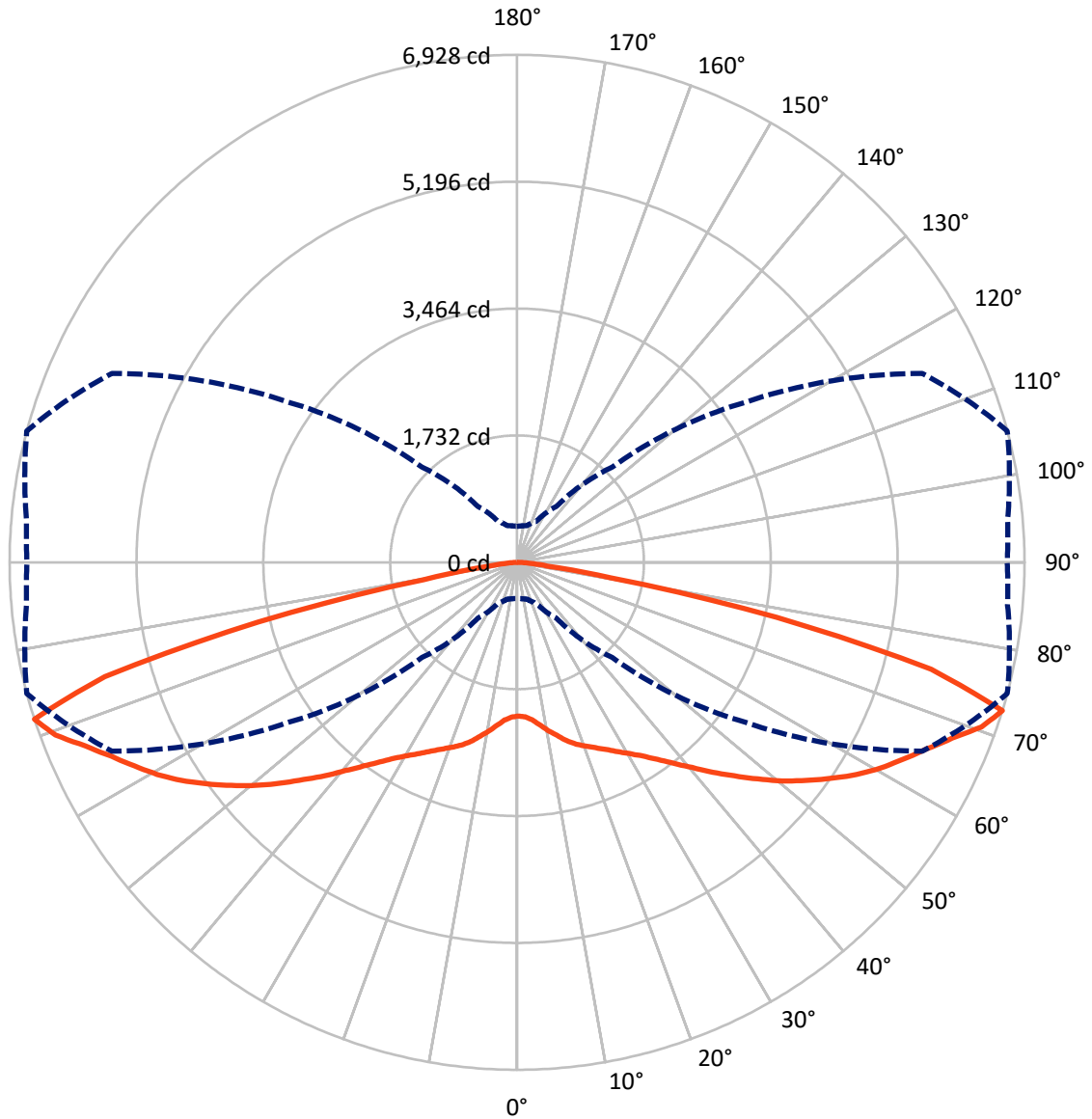
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P964462
CATALOG NUMBER: NAV-SB3C-722-U-RW

Luminous Intensity Polar Plot



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

REPORT NUMBER: P964462
 CATALOG NUMBER: NAV-SB3C-722-U-RW

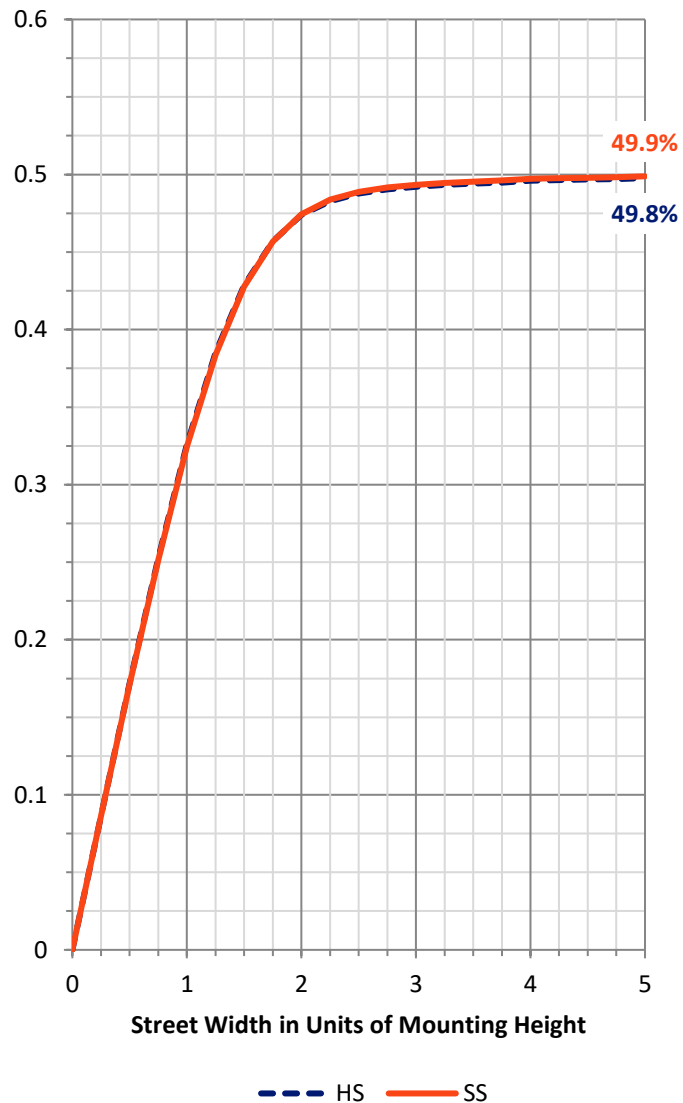
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9795.9	0.0	9795.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9795.9	0.0	9795.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19591.8	0.0	19591.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.6	1.0
10°-20°	678.0	3.5
20°-30°	1310.2	6.7
30°-40°	2212.3	11.3
40°-50°	3508.5	17.9
50°-60°	4697.4	24.0
60°-70°	4470.5	22.8
70°-80°	2332.8	11.9
80°-90°	176.6	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°	19591.8	100.0
0°-180°	19591.8	100.0

Coefficient of Utilization

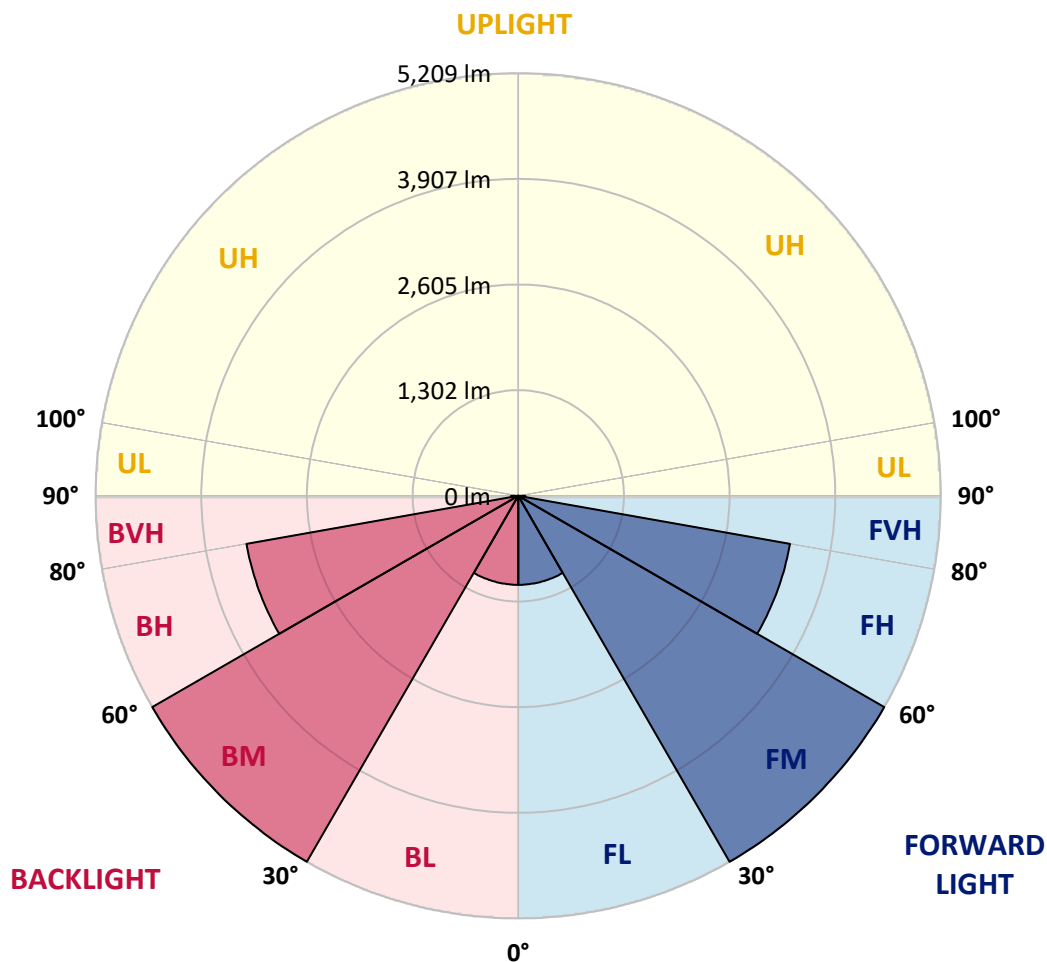


REPORT NUMBER: P964462
 CATALOG NUMBER: NAV-SB3C-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1096.9	5.6			
FM (30°-60°)	5209.1	26.6			
FH (60°-80°)	3401.6	17.4			G2/5000
FVH (80°-90°)	88.3	0.5			G1/100
BL (0°-30°)	1096.9	5.6	B3/2500		
BM (30°-60°)	5209.1	26.6	B4/8500		
BH (60°-80°)	3401.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	88.3	0.5			G1/100
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



REPORT NUMBER: P964462
 CATALOG NUMBER: NAV-SB3C-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2098.7	2098.7	2098.7	2098.7	2098.7	2098.7	2098.7	2098.7	2098.7	2098.7	2098.7
2.5°	2098.7	2096.6	2098.7	2100.6	2099.6	2099.6	2104.6	2107.6	2113.7	2112.6	2111.6
5°	2084.6	2083.6	2091.6	2100.6	2107.6	2119.6	2134.7	2145.6	2159.7	2162.6	2162.6
7.5°	2077.7	2074.6	2088.6	2104.6	2126.7	2156.7	2185.7	2215.6	2239.7	2247.7	2249.7
10°	2082.6	2083.6	2102.7	2132.6	2167.7	2209.7	2250.7	2301.7	2335.7	2343.7	2351.8
12.5°	2105.7	2103.6	2135.7	2183.7	2231.6	2284.7	2332.7	2388.8	2425.8	2444.7	2452.7
15°	2147.7	2143.7	2188.7	2259.7	2329.7	2391.7	2430.8	2483.8	2526.7	2550.8	2559.7
17.5°	2197.7	2199.6	2258.7	2350.7	2442.8	2512.8	2549.8	2576.7	2609.8	2630.8	2640.8
20°	2285.6	2289.6	2355.8	2464.7	2569.8	2649.8	2679.9	2669.8	2678.8	2694.8	2706.8
22.5°	2403.7	2405.8	2479.8	2597.8	2707.8	2795.9	2815.9	2774.9	2749.9	2760.8	2768.8
25°	2540.8	2553.8	2627.8	2748.8	2861.9	2945.8	2954.9	2892.9	2830.8	2833.8	2838.8
27.5°	2707.8	2719.8	2794.9	2914.9	3029.9	3103.0	3102.0	3018.9	2927.9	2904.8	2911.9
30°	2888.9	2901.9	2978.9	3103.0	3210.0	3274.0	3260.0	3161.0	3030.9	2987.9	2992.9
32.5°	3103.9	3111.9	3190.0	3314.0	3413.0	3464.1	3435.1	3313.0	3151.0	3102.0	3114.0
35°	3364.0	3376.0	3434.1	3551.1	3638.1	3680.2	3631.1	3487.0	3305.0	3250.0	3258.0
37.5°	3661.1	3653.1	3719.1	3823.1	3895.2	3921.2	3854.2	3683.1	3481.1	3416.0	3428.0
40°	3971.2	3967.2	4039.2	4139.3	4178.3	4194.3	4095.3	3908.2	3684.2	3614.0	3637.1
42.5°	4252.3	4249.3	4346.3	4457.3	4504.4	4486.3	4361.4	4147.3	3919.2	3839.1	3859.1
45°	4477.4	4473.4	4592.4	4748.4	4840.5	4810.4	4642.4	4411.3	4157.3	4074.3	4093.2
47.5°	4650.4	4652.4	4780.5	4973.5	5134.5	5145.6	4929.5	4680.5	4419.4	4325.3	4353.3
50°	4775.5	4781.4	4918.5	5132.6	5352.7	5449.6	5222.6	4956.5	4690.4	4584.4	4616.4
52.5°	4806.4	4817.5	4982.5	5233.5	5492.7	5677.7	5520.6	5221.6	4947.5	4846.5	4872.4
55°	4641.4	4663.4	4872.4	5225.6	5578.7	5827.7	5782.7	5490.7	5206.6	5102.6	5131.6
57.5°	4262.3	4293.3	4537.4	4998.5	5559.7	5930.8	5985.8	5748.7	5465.7	5365.7	5388.6
60°	3731.1	3768.1	4002.2	4505.4	5291.6	5968.8	6128.9	5999.8	5703.7	5606.7	5627.7
62.5°	2929.9	2977.9	3258.0	3848.2	4725.5	5791.8	6250.9	6226.9	5917.8	5796.8	5810.7
65°	1879.5	1930.6	2225.7	2922.9	3970.2	5249.6	6288.9	6448.0	6143.8	5974.8	5995.8
67.5°	1133.3	1156.3	1302.4	1771.5	2901.9	4432.3	5966.8	6693.0	6408.0	6197.9	6213.9
70°	725.2	738.2	825.2	1040.3	1640.5	3234.0	5168.6	6739.1	6728.0	6427.0	6424.9
72.5°	492.1	496.1	519.2	616.2	928.2	1837.5	3812.2	6100.9	6928.1	6722.1	6690.1
75°	360.1	382.1	419.1	436.1	527.2	918.3	2184.7	4286.3	5838.8	5928.8	5710.7
77.5°	268.0	269.1	320.1	340.1	376.1	489.1	924.2	2392.8	3625.1	3806.1	3395.0
80°	227.0	215.0	214.0	274.1	283.1	305.1	413.1	826.3	1298.4	787.2	595.2
82.5°	189.0	176.1	159.1	214.0	193.0	187.1	179.1	336.1	413.1	203.1	173.0
85°	132.0	126.1	120.0	140.0	110.0	94.0	86.0	157.0	174.0	86.0	76.1
87.5°	57.0	59.0	60.1	62.0	46.0	33.0	33.0	44.0	44.0	34.0	25.0
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)