

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: P960257

Luminaire Tested: **NAV-SB1C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960257
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-SB1C-722-U-T1
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6275.1 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

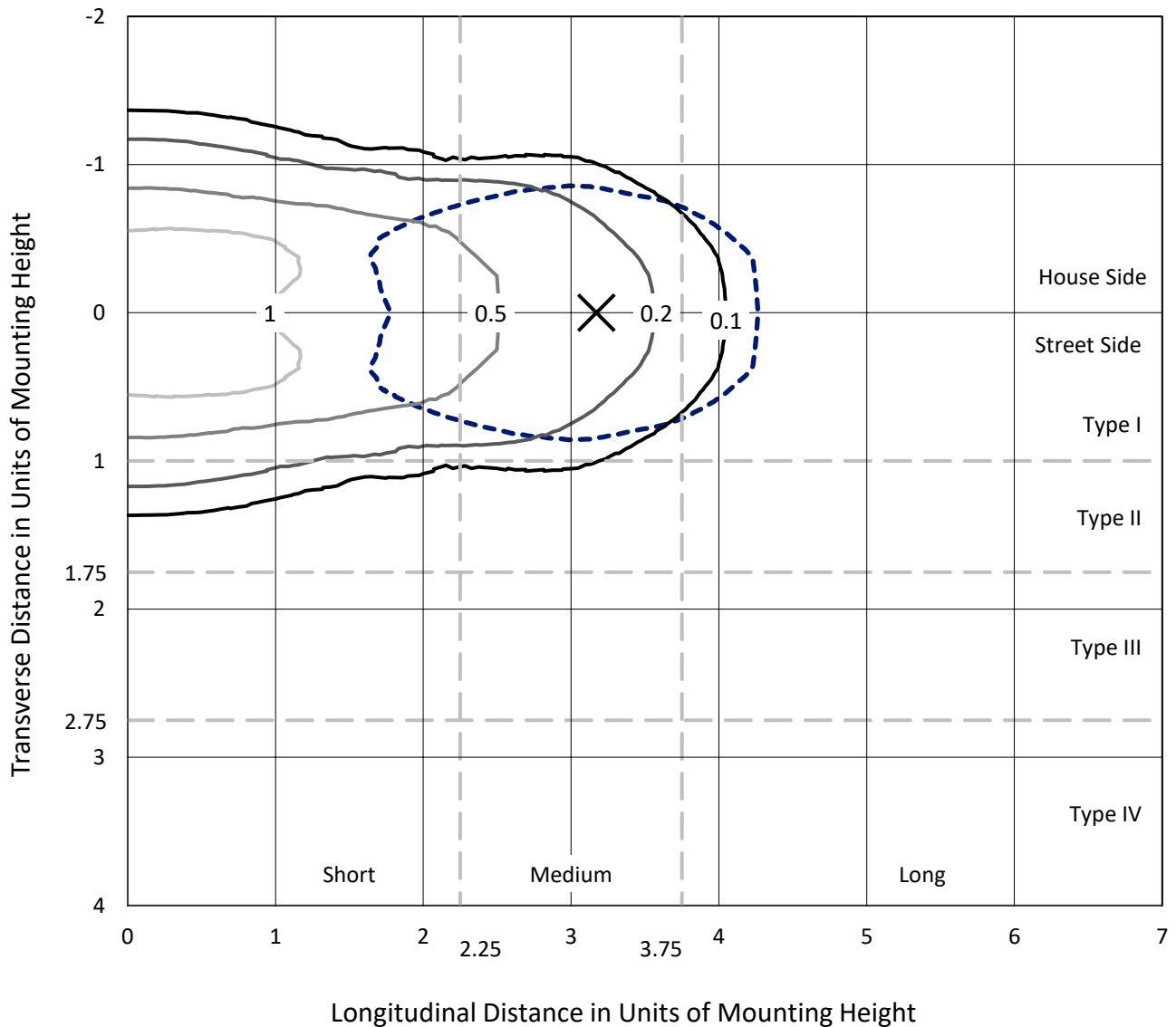
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

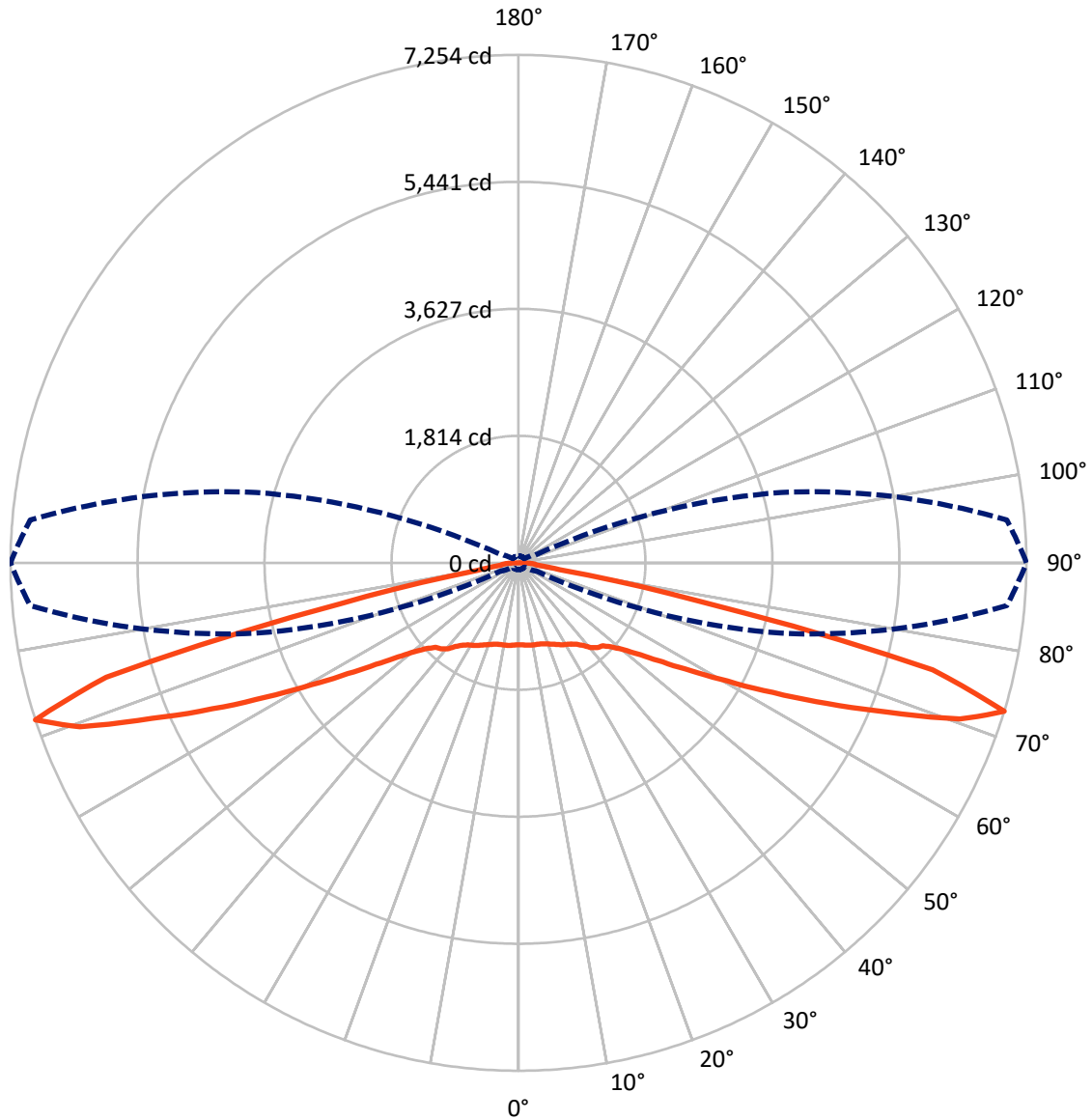
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3137.5	0.0	3137.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3137.5	0.0	3137.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6275.1	0.0	6275.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	1.8
10°-20°	347.6	5.5
20°-30°	579.6	9.2
30°-40°	797.2	12.7
40°-50°	973.6	15.5
50°-60°	1126.0	17.9
60°-70°	1342.6	21.4
70°-80°	937.1	14.9
80°-90°	57.6	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°	6275.1	100.0
0°-180°	6275.1	100.0

Coefficient of Utilization

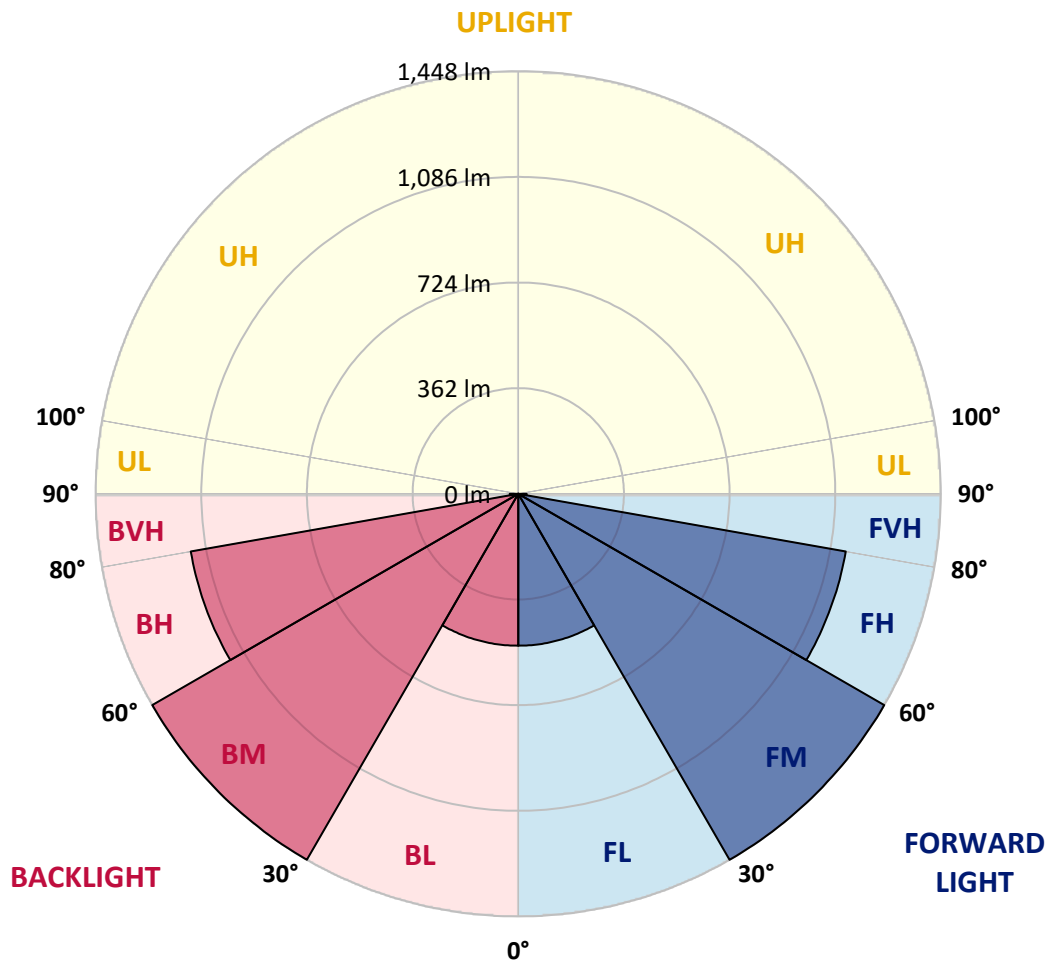


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	520.5	8.3			
FM (30°-60°)	1448.4	23.1			
FH (60°-80°)	1139.9	18.2			G1/1800
FVH (80°-90°)	28.8	0.5			G1/100
BL (0°-30°)	520.5	8.3	B2/1000		
BM (30°-60°)	1448.4	23.1	B2/2500		
BH (60°-80°)	1139.9	18.2	B3/2500		G3/2500
BVH (80°-90°)	28.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1172.6	1172.6	1172.6	1172.6	1172.6	1172.6	1172.6	1172.6	1172.6	1172.6	1172.6
2.5°	1173.5	1174.9	1174.9	1173.9	1176.2	1174.2	1174.2	1173.2	1174.2	1173.2	1173.2
5°	1179.6	1181.2	1181.9	1181.5	1184.6	1182.8	1182.8	1181.5	1181.9	1180.9	1180.9
7.5°	1190.9	1193.2	1194.5	1196.3	1200.6	1198.5	1197.2	1193.2	1191.6	1188.9	1188.9
10°	1194.5	1197.2	1201.6	1210.2	1220.3	1220.6	1216.6	1206.5	1198.9	1192.9	1191.9
12.5°	1183.3	1186.9	1195.9	1213.6	1235.9	1245.0	1238.6	1221.9	1206.9	1196.3	1194.5
15°	1168.9	1172.9	1186.5	1213.3	1246.3	1267.3	1266.6	1244.6	1220.6	1203.9	1201.2
17.5°	1146.6	1150.6	1170.2	1207.6	1254.3	1288.9	1298.3	1275.6	1241.9	1219.5	1216.0
20°	1106.2	1109.9	1137.2	1189.6	1257.0	1312.0	1336.3	1316.3	1274.3	1243.9	1238.3
22.5°	1053.8	1059.5	1091.5	1158.6	1250.6	1336.0	1379.6	1366.0	1312.0	1270.0	1262.3
25°	997.8	1003.8	1041.2	1120.5	1234.3	1353.3	1431.0	1422.4	1354.6	1302.3	1291.6
27.5°	949.5	955.8	996.5	1082.8	1208.9	1360.0	1481.7	1486.0	1406.3	1337.9	1326.7
30°	911.4	917.5	960.8	1052.5	1176.2	1353.3	1526.0	1556.1	1459.0	1369.0	1352.7
32.5°	869.7	877.4	923.1	1015.5	1137.5	1337.3	1564.8	1631.8	1520.1	1402.3	1381.7
35°	817.0	824.1	872.1	964.8	1086.8	1311.6	1597.1	1715.8	1607.4	1453.0	1430.0
37.5°	753.1	759.7	807.4	901.4	1036.5	1275.6	1621.8	1810.6	1711.4	1526.0	1495.4
40°	688.7	694.9	739.6	830.8	976.1	1229.6	1630.5	1903.2	1830.9	1626.5	1593.8
42.5°	629.7	635.3	676.3	761.1	908.5	1170.9	1619.1	1984.0	1938.0	1696.5	1654.5
45°	575.2	580.3	616.6	695.7	838.0	1099.5	1585.1	2070.7	2065.3	1746.5	1689.8
47.5°	513.2	518.2	556.0	632.3	767.7	1015.8	1527.4	2156.0	2242.4	1859.9	1794.6
50°	437.6	441.9	480.5	559.2	694.6	926.8	1447.4	2223.0	2465.8	2031.7	1949.5
52.5°	347.8	352.5	390.2	468.9	607.9	831.1	1341.9	2266.8	2723.9	2282.5	2181.4
55°	258.8	262.1	294.8	365.5	500.6	722.0	1209.9	2279.1	3016.8	2625.2	2498.8
57.5°	187.8	189.7	210.7	263.4	379.6	585.6	1049.5	2247.1	3365.3	3064.7	2905.7
60°	152.1	152.7	159.1	182.4	263.8	431.5	855.8	2137.0	3743.4	3631.4	3431.0
62.5°	138.1	138.1	139.7	146.1	178.5	284.8	621.3	1909.0	4149.0	4347.4	4079.0
65°	128.4	128.4	129.0	132.0	140.7	181.4	392.2	1537.4	4490.8	5186.1	4846.6
67.5°	119.7	120.0	119.7	120.7	125.8	134.1	227.4	1061.8	4674.9	6055.2	5688.7
70°	110.7	111.4	109.7	109.7	113.7	114.1	142.4	582.3	4522.2	6783.6	6687.2
72.5°	100.0	101.1	98.4	97.7	100.8	99.4	107.0	279.5	3882.5	7001.1	7254.4
75°	90.7	92.0	86.0	84.4	84.4	83.3	87.0	143.4	2519.9	5711.1	6108.6
77.5°	82.4	85.1	75.3	70.0	68.7	65.7	71.0	87.7	1102.2	2681.3	2625.5
80°	68.1	71.8	62.0	55.7	53.4	50.0	56.1	61.4	327.8	622.6	596.2
82.5°	50.7	52.4	44.0	39.7	37.7	35.4	42.0	42.6	106.7	220.5	249.1
85°	32.4	33.0	27.1	23.4	22.3	21.3	26.6	23.4	40.7	162.1	235.4
87.5°	11.4	13.0	10.4	9.3	10.0	8.3	12.3	7.0	11.4	114.4	141.8
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)