

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: STREETWORKS

Report Number: P960458

Luminaire Tested: **NVN-SB1C-827-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P960458  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB1C-827-U-5MQ  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

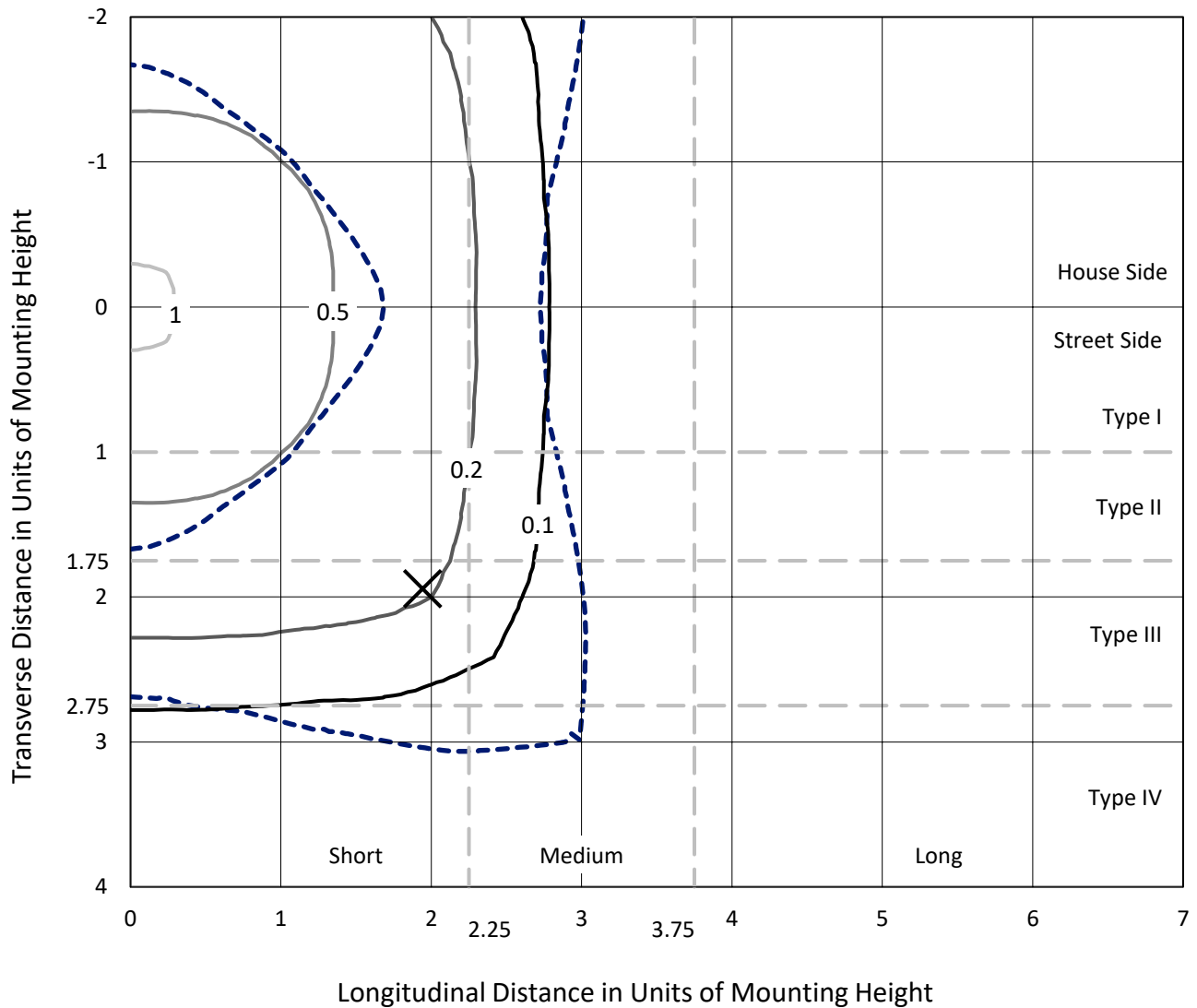
Lumens per Lamp: N/A  
Luminaire Lumens: 6992.5 lumens  
Efficiency: N/A  
Efficacy: 128.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

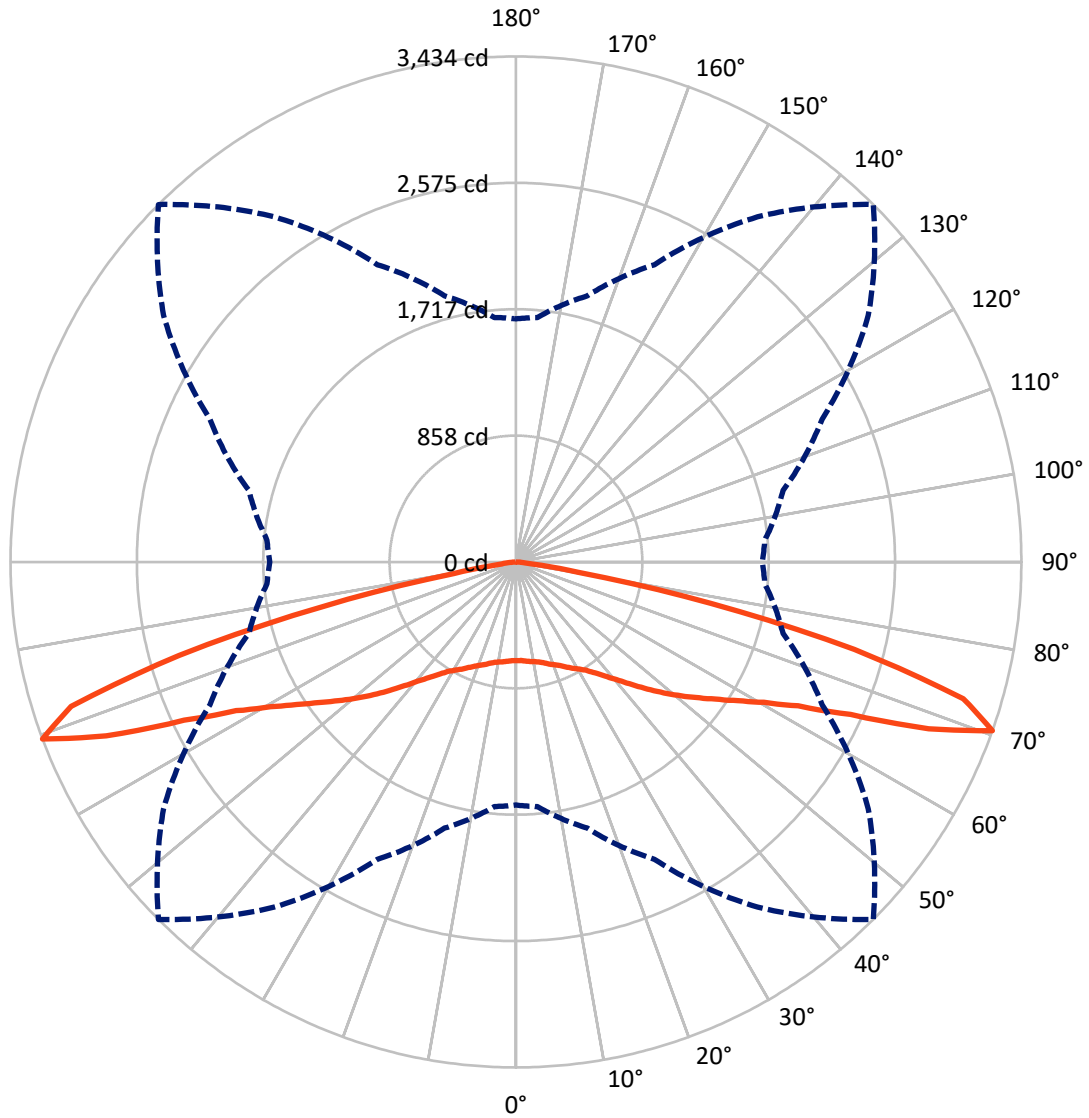
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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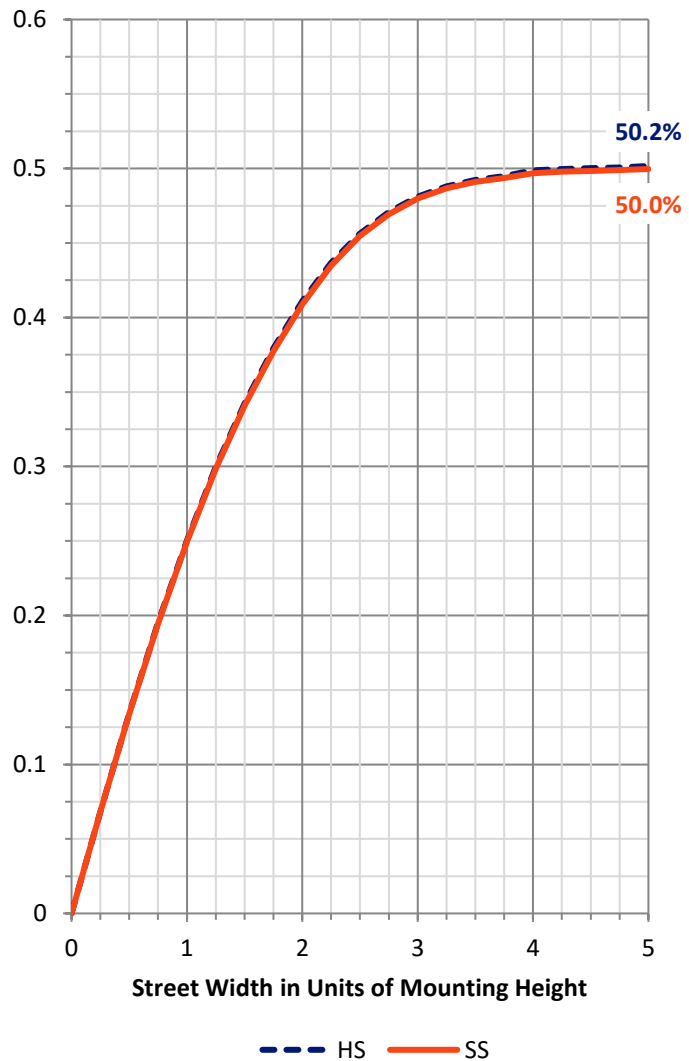
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3496.3	0.0	3496.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3496.3	0.0	3496.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6992.5	0.0	6992.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.1	0.9
10°-20°	201.8	2.9
20°-30°	360.6	5.2
30°-40°	584.5	8.4
40°-50°	952.1	13.6
50°-60°	1451.7	20.8
60°-70°	2159.6	30.9
70°-80°	1177.1	16.8
80°-90°	40.1	0.6
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°	6992.5	100.0
0°-180°	6992.5	100.0

**Coefficient of Utilization**



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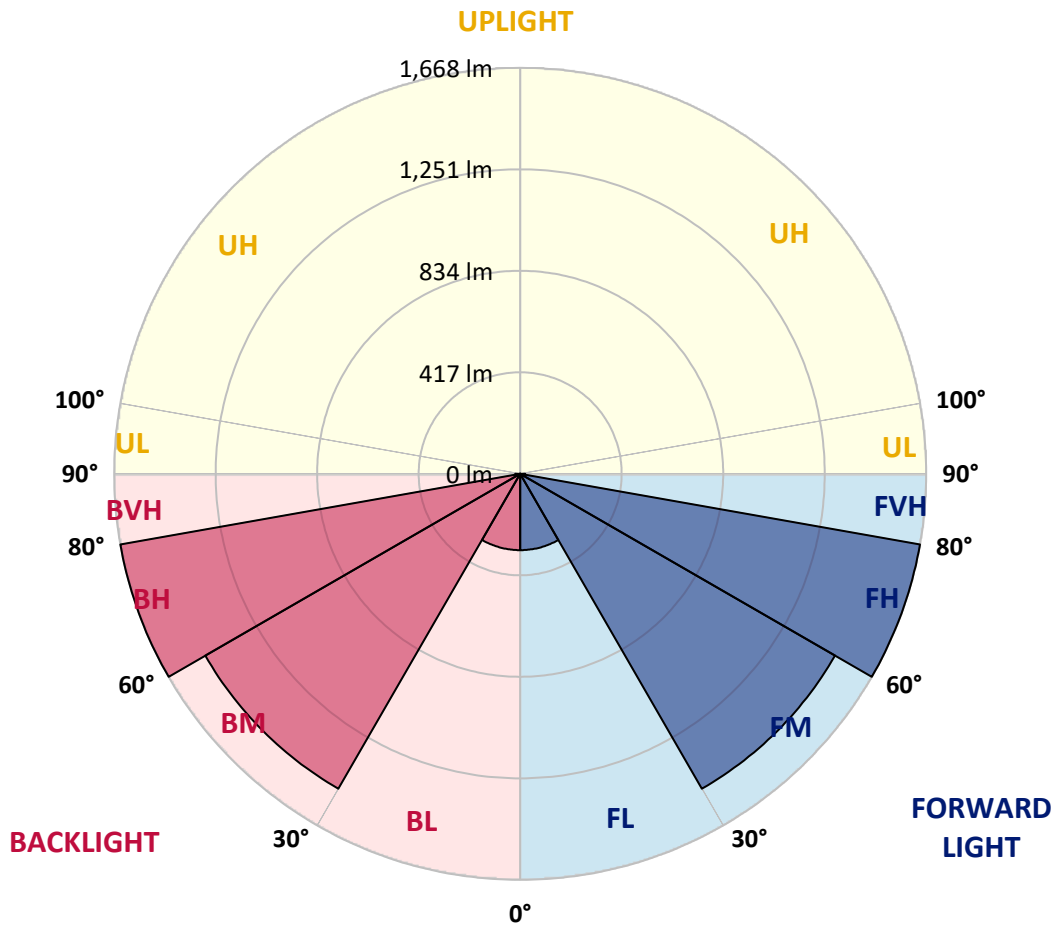
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.7	4.5			
FM (30°-60°)	1494.2	21.4			
FH (60°-80°)	1668.3	23.9			G1/1800
FVH (80°-90°)	20.0	0.3			G1/100
BL (0°-30°)	313.7	4.5	B1/500		
BM (30°-60°)	1494.2	21.4	B2/2500		
BH (60°-80°)	1668.3	23.9	B3/2500		G1/1800
BVH (80°-90°)	20.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	669.8	669.8	669.8	669.8	669.8	669.8	669.8	669.8	669.8	669.8	669.8
2.5°	673.0	673.6	672.3	671.6	670.9	669.8	670.1	671.9	673.3	673.0	673.3
5°	678.6	679.3	678.2	677.9	676.5	676.1	676.1	677.9	679.0	678.2	678.6
7.5°	684.9	685.9	684.2	683.9	683.2	682.4	682.1	683.9	684.9	684.9	684.9
10°	690.8	692.0	690.5	689.5	688.8	688.8	688.1	689.5	691.3	690.8	690.8
12.5°	697.2	697.9	696.5	695.8	695.8	696.8	695.8	696.5	697.9	697.2	696.8
15°	704.9	705.3	704.9	706.0	707.8	711.2	708.1	707.4	708.1	706.3	706.3
17.5°	715.4	716.2	717.6	720.1	722.5	728.8	723.1	721.4	721.4	717.9	717.9
20°	728.5	729.5	731.6	735.8	738.9	745.0	739.3	736.9	735.8	731.2	731.2
22.5°	742.1	743.8	747.0	752.7	758.3	763.9	758.3	754.1	750.9	745.0	744.6
25°	757.9	760.0	765.0	774.1	781.8	789.9	783.2	774.8	768.4	760.0	759.7
27.5°	780.4	782.9	788.8	800.0	809.9	816.9	810.6	799.7	790.9	780.7	780.4
30°	812.0	814.5	821.4	833.4	840.1	844.6	840.4	832.0	821.4	809.9	809.9
32.5°	852.7	855.9	863.6	874.8	876.3	876.9	875.6	871.4	863.6	849.5	849.9
35°	904.4	907.8	916.6	925.8	924.3	925.8	923.6	922.2	916.6	900.5	900.5
37.5°	967.5	971.7	980.8	987.9	984.4	982.6	983.0	983.3	980.1	962.3	962.3
40°	1040.9	1046.5	1053.2	1060.6	1054.5	1049.3	1052.8	1055.6	1052.8	1034.5	1034.5
42.5°	1116.3	1124.4	1131.5	1142.0	1137.0	1130.4	1135.3	1138.5	1132.5	1112.8	1114.3
45°	1200.3	1208.0	1217.1	1232.9	1229.4	1222.4	1229.4	1230.1	1220.0	1196.8	1199.2
47.5°	1287.0	1295.1	1308.7	1329.8	1328.4	1320.7	1329.8	1324.9	1311.9	1284.1	1282.4
50°	1369.1	1380.4	1401.4	1430.9	1433.7	1424.2	1436.5	1427.0	1405.3	1370.5	1369.8
52.5°	1446.4	1458.3	1491.7	1531.7	1541.8	1529.5	1546.0	1529.5	1496.9	1452.3	1448.1
55°	1527.5	1540.8	1580.4	1632.7	1653.1	1644.0	1659.5	1634.5	1588.1	1534.1	1526.7
57.5°	1622.9	1631.0	1678.4	1740.6	1774.9	1777.0	1784.1	1742.0	1685.8	1624.3	1615.9
60°	1726.5	1737.7	1789.3	1863.8	1918.2	1935.7	1928.3	1865.9	1800.5	1730.0	1718.7
62.5°	1859.1	1871.4	1933.3	2022.4	2108.4	2152.0	2123.2	2032.6	1951.9	1867.2	1852.5
65°	1969.0	1982.8	2094.4	2253.5	2410.0	2497.4	2425.0	2258.4	2113.0	1993.6	1973.9
67.5°	1889.4	1906.2	2081.4	2373.5	2762.8	3023.6	2776.1	2409.3	2124.6	1962.8	1938.5
70°	1651.4	1667.2	1871.4	2228.5	2862.1	3433.6	2921.9	2294.2	1878.1	1697.0	1672.8
72.5°	1096.3	1147.3	1354.0	1782.3	2555.7	3177.4	2581.0	1746.2	1256.0	1093.9	1058.4
75°	363.7	404.5	545.5	923.9	1711.7	2376.3	1629.6	817.6	432.1	311.0	294.2
77.5°	91.6	105.7	145.7	264.3	682.8	1353.0	614.7	215.9	117.6	82.1	73.4
80°	44.6	49.1	70.2	88.1	171.0	430.1	160.4	82.8	55.5	42.8	39.4
82.5°	24.6	24.9	39.7	49.8	63.6	111.3	66.0	48.5	32.0	25.9	25.9
85°	15.1	14.8	21.0	26.6	26.6	39.7	31.6	26.6	18.2	16.2	16.8
87.5°	5.9	5.9	7.7	8.4	7.4	10.1	8.1	8.8	7.0	6.7	7.0
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)