

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: P962571

Luminaire Tested: **NVN-SB2C-827-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P962571  
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: STREETWORKS  
Catalog Number: NVN-SB2C-827-U-RW  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

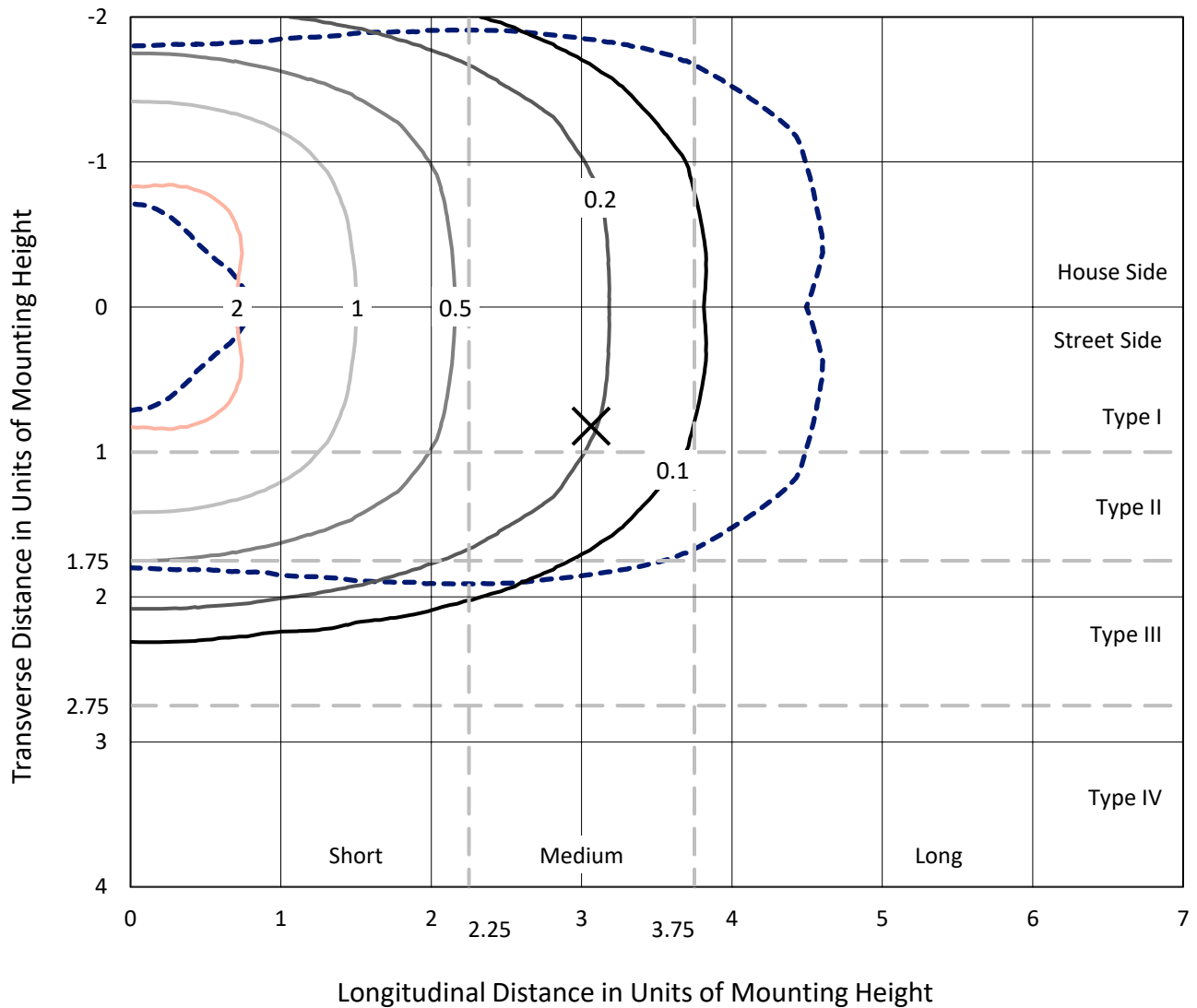
Lumens per Lamp: N/A  
Luminaire Lumens: 13746.3 lumens  
Efficiency: N/A  
Efficacy: 136.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): 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



REPORT NUMBER: P962571  
 CATALOG NUMBER: NVN-SB2C-827-U-RW

### Iso-Footcandle Lines of Horizontal Illumination

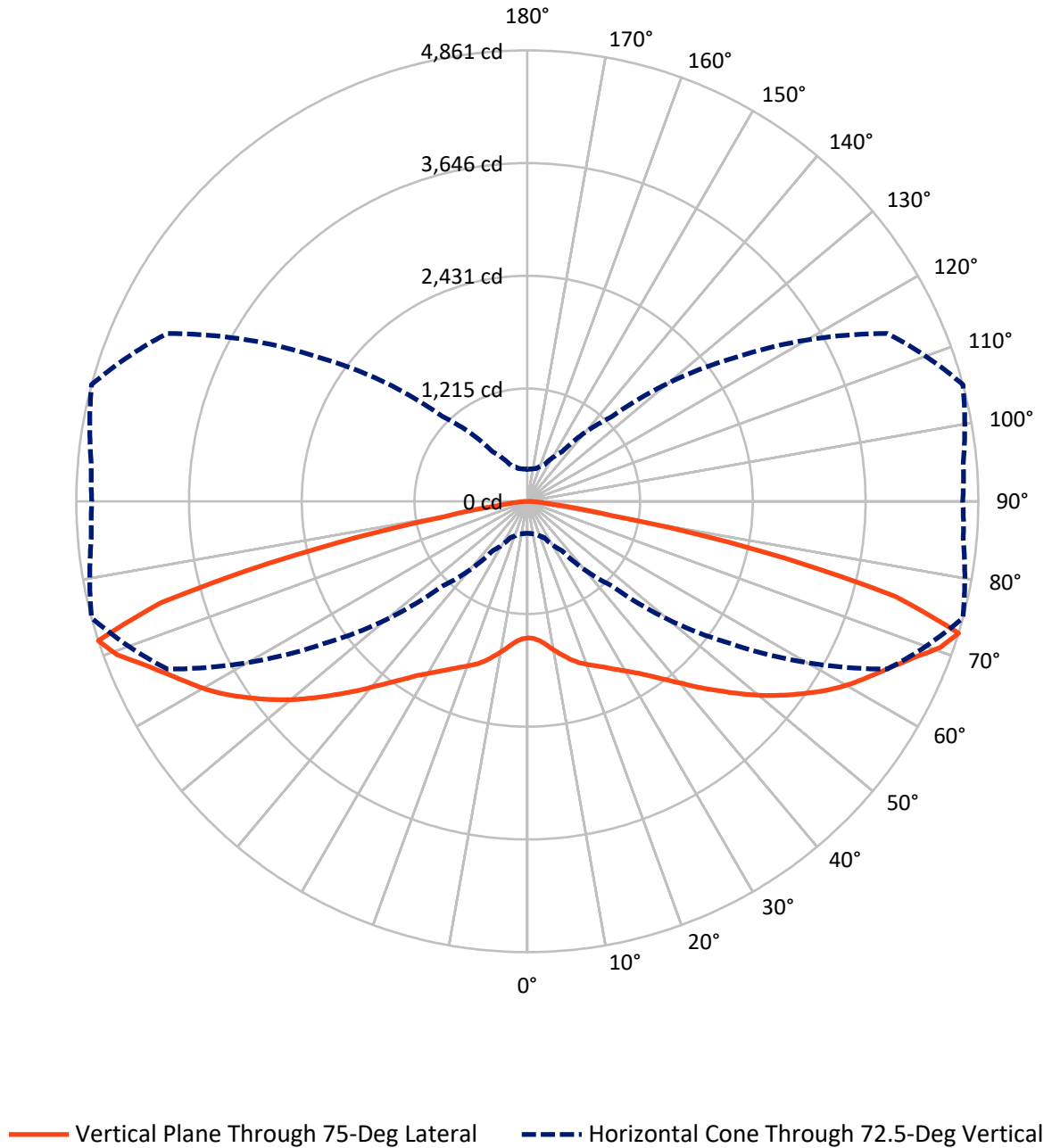
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P962571  
CATALOG NUMBER: NVN-SB2C-827-U-RW

### Luminous Intensity Polar Plot



REPORT NUMBER: P962571  
 CATALOG NUMBER: NVN-SB2C-827-U-RW

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6873.1	0.0	6873.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6873.1	0.0	6873.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13746.3	0.0	13746.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.2	1.0
10°-20°	475.7	3.5
20°-30°	919.3	6.7
30°-40°	1552.2	11.3
40°-50°	2461.7	17.9
50°-60°	3295.9	24.0
60°-70°	3136.6	22.8
70°-80°	1636.7	11.9
80°-90°	123.9	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°	13746.3	100.0
0°-180°	13746.3	100.0

**Coefficient of Utilization**



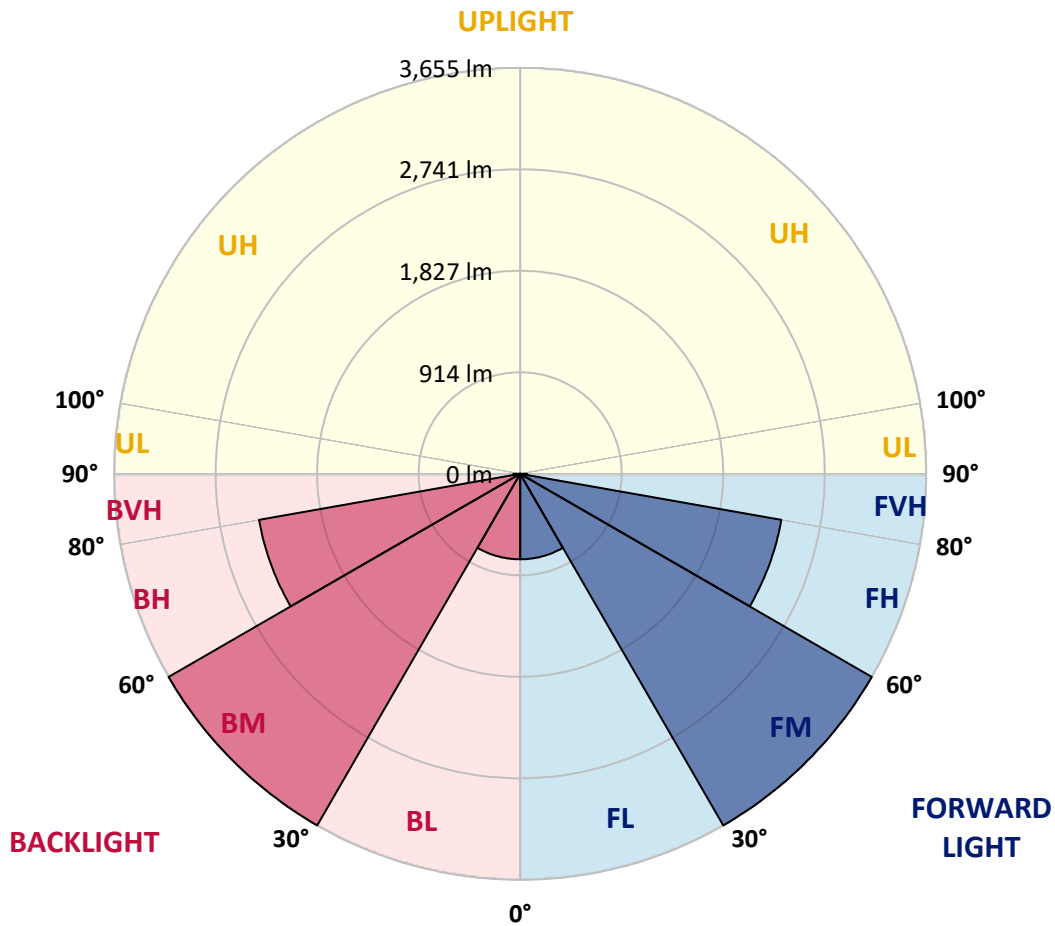
REPORT NUMBER: P962571  
 CATALOG NUMBER: NVN-SB2C-827-U-RW

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	769.6	5.6			
FM (30°-60°)	3654.9	26.6			
FH (60°-80°)	2386.7	17.4			G2/5000
FVH (80°-90°)	62.0	0.5			G1/100
BL (0°-30°)	769.6	5.6	B2/1000		
BM (30°-60°)	3654.9	26.6	B3/5000		
BH (60°-80°)	2386.7	17.4	B3/2500		G3/2500
BVH (80°-90°)	62.0	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 III Medium



REPORT NUMBER: P962571

CATALOG NUMBER: NVN-SB2C-827-U-RW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5	1472.5
2.5°	1472.5	1471.1	1472.5	1473.8	1473.1	1473.1	1476.7	1478.8	1483.0	1482.3	1481.6
5°	1462.7	1462.0	1467.6	1473.8	1478.8	1487.2	1497.7	1505.4	1515.3	1517.4	1517.4
7.5°	1457.8	1455.6	1465.4	1476.7	1492.1	1513.2	1533.5	1554.6	1571.4	1577.1	1578.5
10°	1461.2	1462.0	1475.3	1496.3	1520.9	1550.4	1579.1	1615.0	1638.8	1644.4	1650.0
12.5°	1477.4	1476.0	1498.4	1532.2	1565.8	1603.0	1636.7	1676.0	1702.0	1715.3	1721.0
15°	1506.9	1504.1	1535.7	1585.5	1634.6	1678.1	1705.5	1742.7	1772.8	1789.8	1796.0
17.5°	1541.9	1543.3	1584.8	1649.3	1713.9	1763.0	1789.0	1808.0	1831.2	1845.8	1852.9
20°	1603.7	1606.5	1652.8	1729.4	1803.1	1859.1	1880.3	1873.2	1879.5	1890.8	1899.2
22.5°	1686.5	1688.0	1739.8	1822.7	1899.9	1961.6	1975.7	1946.9	1929.4	1937.0	1942.7
25°	1782.7	1791.8	1843.8	1928.6	2008.0	2066.9	2073.3	2029.7	1986.2	1988.3	1991.9
27.5°	1899.9	1908.3	1960.9	2045.2	2125.8	2177.1	2176.4	2118.2	2054.3	2038.1	2043.0
30°	2026.9	2036.1	2090.1	2177.1	2252.2	2297.1	2287.3	2217.8	2126.6	2096.4	2099.9
32.5°	2177.8	2183.5	2238.2	2325.2	2394.7	2430.5	2410.2	2324.5	2210.8	2176.4	2184.9
35°	2360.3	2368.8	2409.5	2491.6	2552.7	2582.1	2547.7	2446.7	2318.9	2280.3	2286.0
37.5°	2568.8	2563.1	2609.4	2682.4	2733.0	2751.2	2704.3	2584.2	2442.5	2396.8	2405.3
40°	2786.4	2783.5	2834.0	2904.2	2931.6	2942.9	2873.4	2742.1	2584.9	2535.7	2551.9
42.5°	2983.6	2981.4	3049.5	3127.4	3160.4	3147.8	3060.0	2909.9	2749.9	2693.7	2707.7
45°	3141.4	3138.7	3222.2	3331.7	3396.2	3375.2	3257.2	3095.1	2916.8	2858.6	2871.9
47.5°	3262.9	3264.3	3354.1	3489.6	3602.6	3610.3	3458.7	3283.9	3100.7	3034.8	3054.4
50°	3350.6	3354.8	3451.0	3601.1	3755.6	3823.7	3664.4	3477.6	3291.0	3216.6	3239.0
52.5°	3372.4	3380.0	3495.9	3672.1	3853.8	3983.7	3873.5	3663.7	3471.4	3400.4	3418.7
55°	3256.5	3272.0	3418.7	3666.4	3914.2	4088.9	4057.4	3852.5	3653.1	3580.1	3600.5
57.5°	2990.5	3012.4	3183.5	3507.1	3900.8	4161.2	4199.8	4033.5	3834.9	3764.7	3780.8
60°	2617.8	2643.9	2808.1	3161.1	3712.8	4187.9	4300.2	4209.7	4001.9	3933.8	3948.6
62.5°	2055.7	2089.4	2286.0	2700.0	3315.6	4063.7	4385.9	4369.0	4152.1	4067.2	4077.0
65°	1318.8	1354.5	1561.6	2050.8	2785.6	3683.2	4412.5	4524.1	4310.7	4192.1	4206.9
67.5°	795.2	811.3	913.8	1243.0	2036.1	3109.8	4186.5	4696.0	4496.1	4348.7	4359.8
70°	508.8	517.9	579.0	729.9	1151.1	2269.0	3626.4	4728.3	4720.6	4509.4	4508.0
72.5°	345.3	348.1	364.3	432.3	651.3	1289.2	2674.7	4280.6	4861.0	4716.4	4694.0
75°	252.7	268.1	294.1	306.0	369.9	644.3	1532.8	3007.5	4096.7	4159.9	4006.8
77.5°	188.1	188.8	224.6	238.6	263.9	343.2	648.5	1678.8	2543.5	2670.5	2382.1
80°	159.3	150.9	150.2	192.3	198.6	214.0	289.9	579.7	911.0	552.4	417.6
82.5°	132.6	123.5	111.6	150.2	135.5	131.2	125.7	235.9	289.9	142.5	121.5
85°	92.7	88.5	84.3	98.3	77.2	66.0	60.4	110.2	122.1	60.4	53.3
87.5°	40.0	41.4	42.1	43.6	32.3	23.2	23.2	30.9	30.9	23.9	17.5
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)