

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: P959405

Luminaire Tested: **NVN-SB1A-827-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P959405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB1A-827-U-5NQ  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

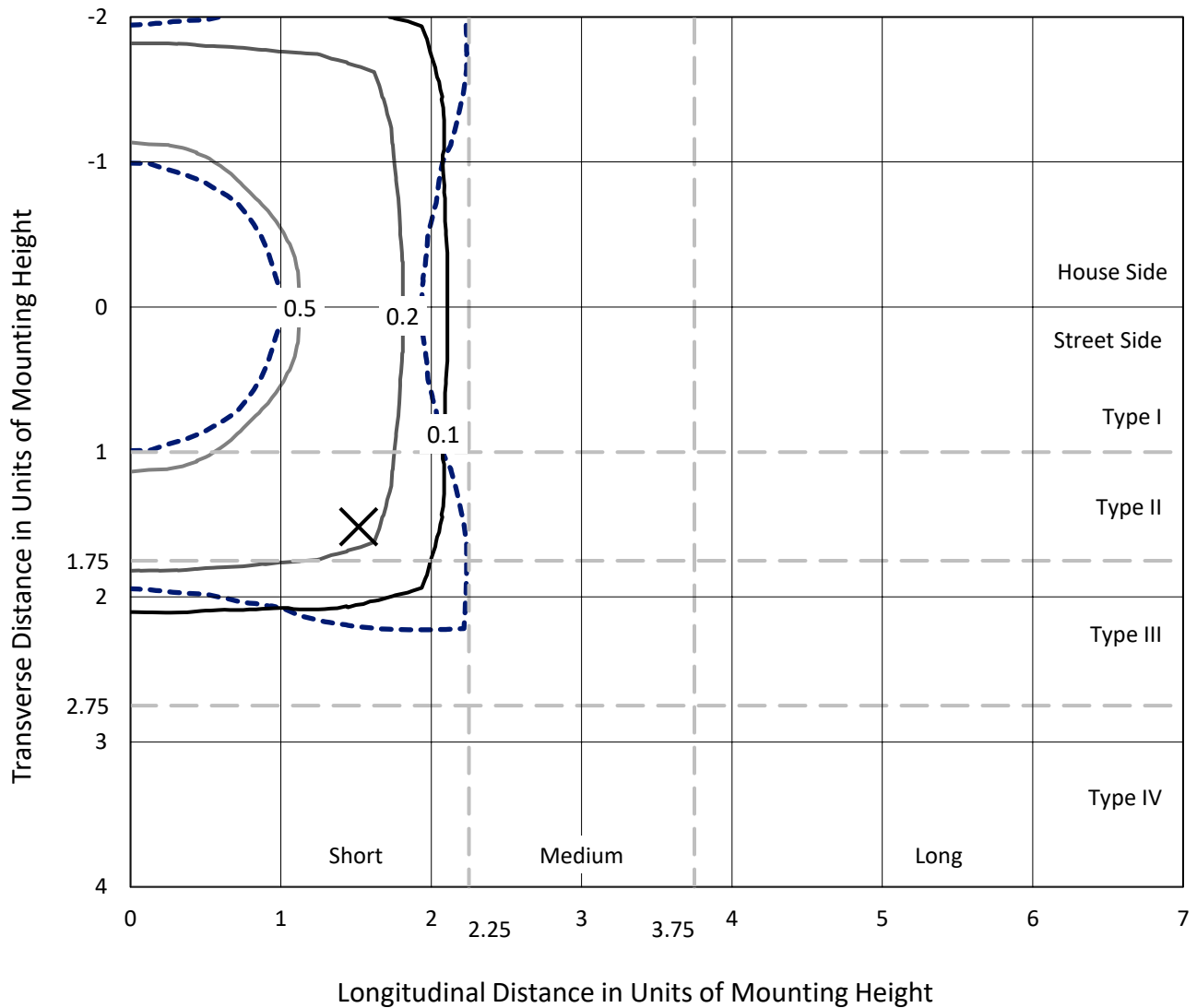
Lumens per Lamp: N/A  
Luminaire Lumens: 4191.2 lumens  
Efficiency: N/A  
Efficacy: 135.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P959405  
 CATALOG NUMBER: NVN-SB1A-827-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

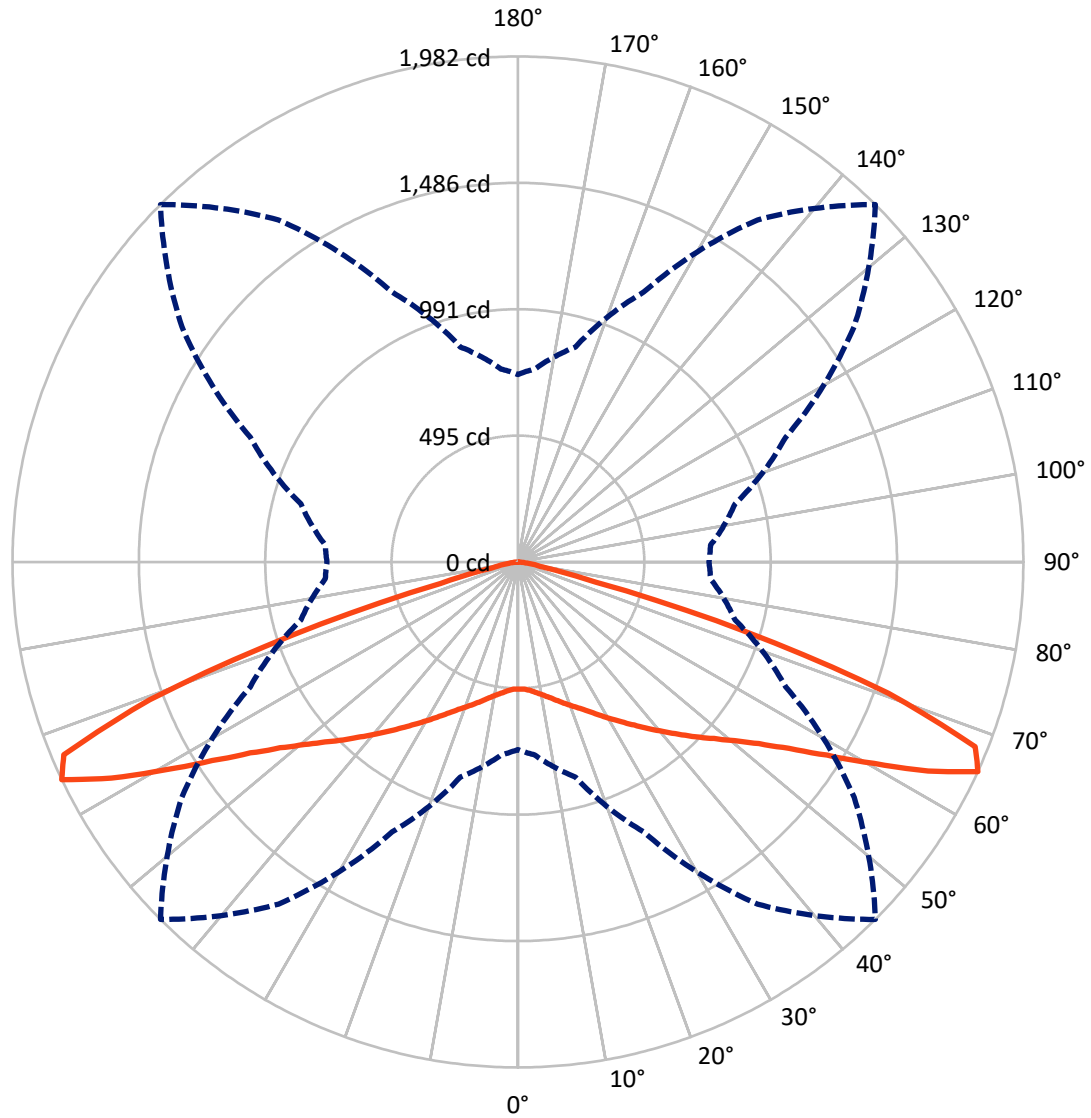
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P959405  
CATALOG NUMBER: NVN-SB1A-827-U-5NQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P959405  
 CATALOG NUMBER: NVN-SB1A-827-U-5NQ

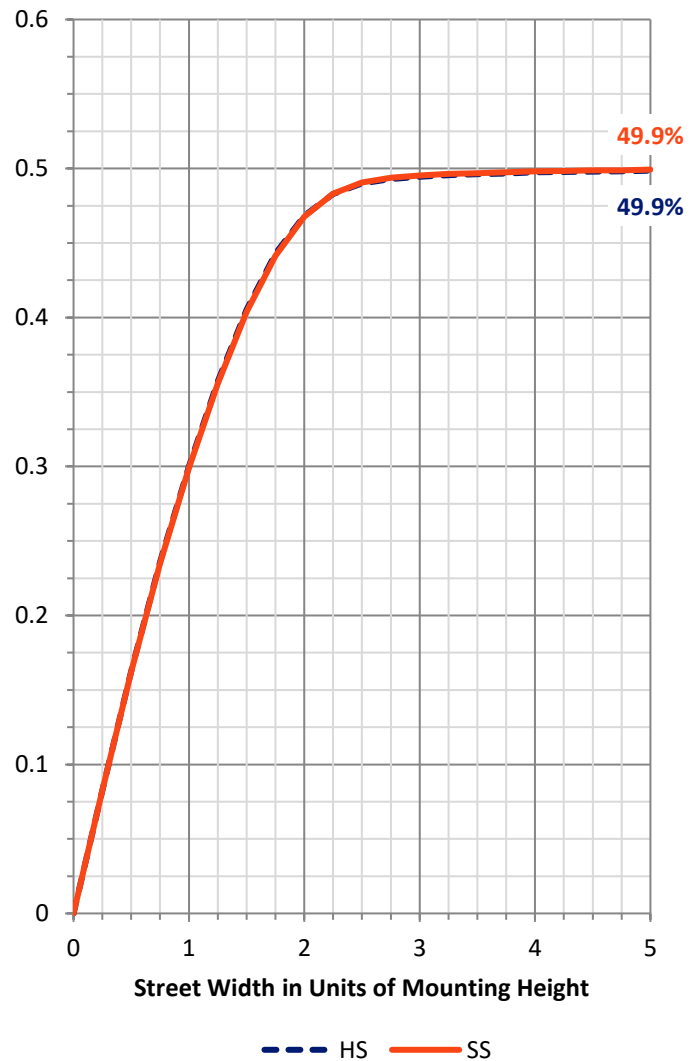
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2095.6	0.0	2095.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2095.6	0.0	2095.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4191.2	0.0	4191.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	1.2
10°-20°	160.6	3.8
20°-30°	303.3	7.2
30°-40°	496.6	11.8
40°-50°	770.0	18.4
50°-60°	1137.5	27.1
60°-70°	1082.8	25.8
70°-80°	174.7	4.2
80°-90°	16.5	0.4
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°	4191.2	100.0
0°-180°	4191.2	100.0

**Coefficient of Utilization**



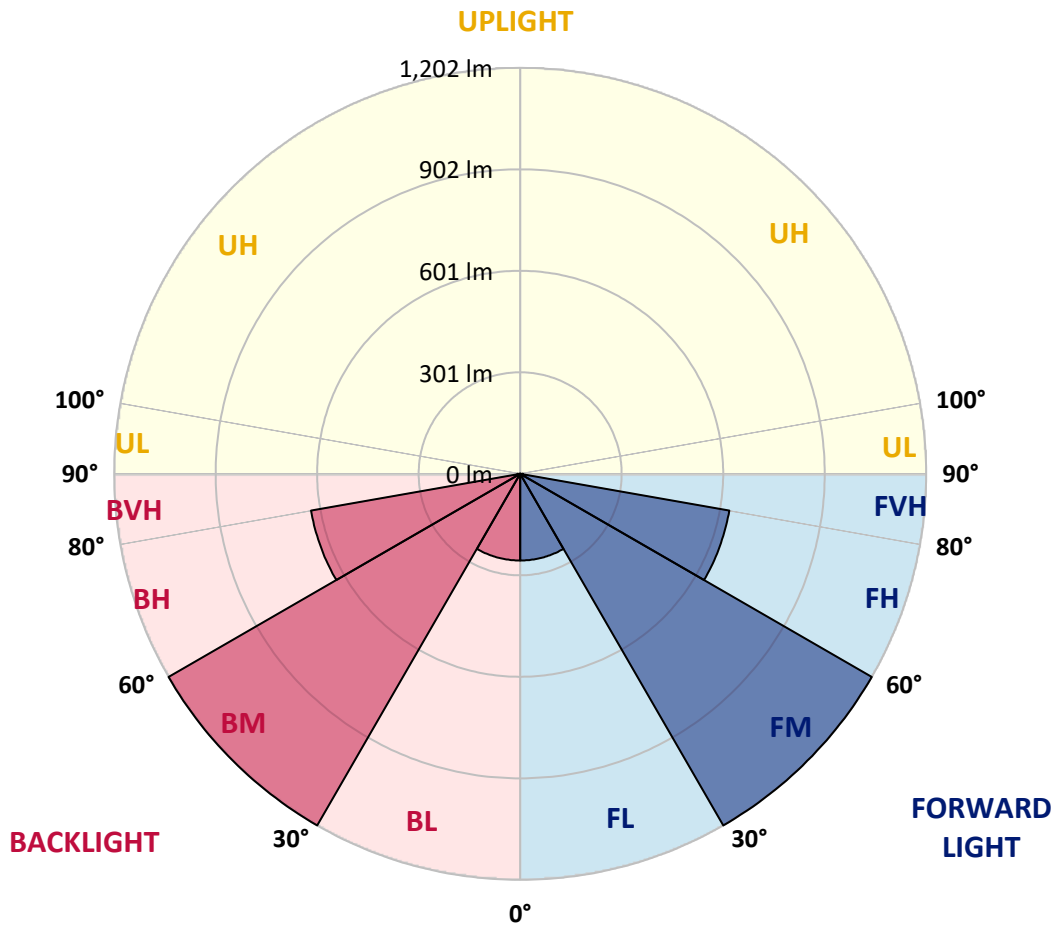
REPORT NUMBER: P959405  
 CATALOG NUMBER: NVN-SB1A-827-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.6	6.1			
FM (30°-60°)	1202.1	28.7			
FH (60°-80°)	628.7	15.0			G0/660
FVH (80°-90°)	8.2	0.2			G0/10
BL (0°-30°)	256.6	6.1	B1/500		
BM (30°-60°)	1202.1	28.7	B2/2500		
BH (60°-80°)	628.7	15.0	B2/1000		G0/660
BVH (80°-90°)	8.2	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short



REPORT NUMBER: P959405  
 CATALOG NUMBER: NVN-SB1A-827-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	502.1	500.5	501.7	500.7	499.9	499.0	499.4	500.9	501.5	501.7	501.7
5°	508.9	507.4	508.1	508.1	506.6	506.1	506.4	507.4	508.7	508.7	508.7
7.5°	519.8	518.3	519.8	519.0	517.7	517.3	517.1	517.9	519.8	519.8	519.2
10°	533.1	531.4	532.3	531.8	530.3	529.7	529.5	530.7	532.5	532.3	531.8
12.5°	547.6	545.7	546.7	545.5	545.1	544.5	544.5	544.2	545.3	544.5	544.9
15°	563.8	562.5	562.9	562.1	562.7	562.3	560.6	559.8	560.2	558.9	559.1
17.5°	582.9	579.9	581.5	581.0	581.0	581.9	579.1	578.1	578.9	577.7	578.7
20°	605.0	602.1	602.7	601.9	600.8	601.7	598.3	599.1	599.7	598.9	600.8
22.5°	629.1	625.4	625.1	625.6	623.3	623.5	621.2	623.3	624.5	622.3	624.5
25°	653.9	650.0	652.7	651.7	648.7	649.3	647.7	649.7	650.9	647.9	651.3
27.5°	680.3	677.5	680.1	680.7	677.1	679.7	677.1	679.1	680.1	675.7	679.1
30°	710.9	708.3	710.5	712.3	708.1	712.1	709.9	711.1	711.3	706.1	709.3
32.5°	744.5	740.3	746.1	746.9	742.3	747.1	744.5	746.1	747.1	739.9	744.9
35°	785.3	779.9	786.7	785.7	781.7	785.7	783.1	785.7	788.1	779.5	784.7
37.5°	829.1	823.7	830.9	828.9	825.1	827.9	826.5	828.1	832.1	822.9	828.5
40°	877.5	870.8	880.5	877.1	873.5	873.1	873.9	875.0	880.3	869.9	873.3
42.5°	929.3	922.1	936.6	931.3	926.3	922.9	925.7	927.8	932.9	921.3	927.3
45°	988.3	980.1	999.1	992.7	984.7	977.8	982.3	985.4	992.7	978.9	986.0
47.5°	1053.5	1044.3	1064.5	1062.6	1049.5	1034.4	1044.5	1053.5	1059.0	1042.2	1047.9
50°	1117.2	1110.1	1136.6	1138.9	1122.9	1101.7	1115.8	1129.4	1130.9	1108.8	1111.6
52.5°	1177.0	1169.8	1208.3	1222.8	1208.5	1183.3	1198.2	1212.1	1201.0	1172.3	1173.2
55°	1224.7	1218.8	1267.8	1305.2	1310.1	1289.2	1298.1	1297.6	1261.1	1217.1	1218.6
57.5°	1236.3	1235.4	1297.2	1376.6	1427.0	1429.6	1412.0	1367.5	1288.6	1229.6	1225.8
60°	1183.7	1189.0	1273.9	1413.8	1548.4	1604.2	1528.8	1401.6	1257.3	1175.3	1165.6
62.5°	1026.4	1040.3	1142.7	1368.4	1646.4	1805.3	1622.4	1349.8	1128.6	1021.6	1015.3
65°	735.5	759.7	872.9	1167.7	1637.5	1981.9	1608.9	1158.2	881.3	757.9	748.9
67.5°	333.7	358.3	454.4	799.5	1423.4	1934.0	1420.0	807.9	477.1	359.6	354.3
70°	121.0	125.2	156.0	320.0	909.7	1541.0	948.6	322.4	165.9	133.4	131.6
72.5°	73.2	73.8	80.4	114.6	316.1	935.5	329.5	118.4	82.0	72.8	74.0
75°	46.4	46.0	57.2	70.0	112.0	315.6	117.6	70.0	57.0	52.0	52.4
77.5°	33.4	34.4	41.0	52.4	70.6	107.0	69.4	50.0	41.0	33.6	34.2
80°	25.0	25.6	29.8	40.8	49.6	66.6	44.2	37.0	31.0	21.0	21.6
82.5°	18.0	18.0	19.6	29.6	30.2	36.0	24.0	26.0	20.4	15.0	15.0
85°	10.8	10.6	12.2	17.6	15.8	13.2	11.0	16.0	12.8	9.2	9.0
87.5°	3.8	4.0	3.8	5.0	4.2	3.6	3.4	4.4	3.6	3.2	3.0
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)