

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: P969956

Luminaire Tested: **NVN-SB6A-827-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P969956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB6A-827-U-SLL-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

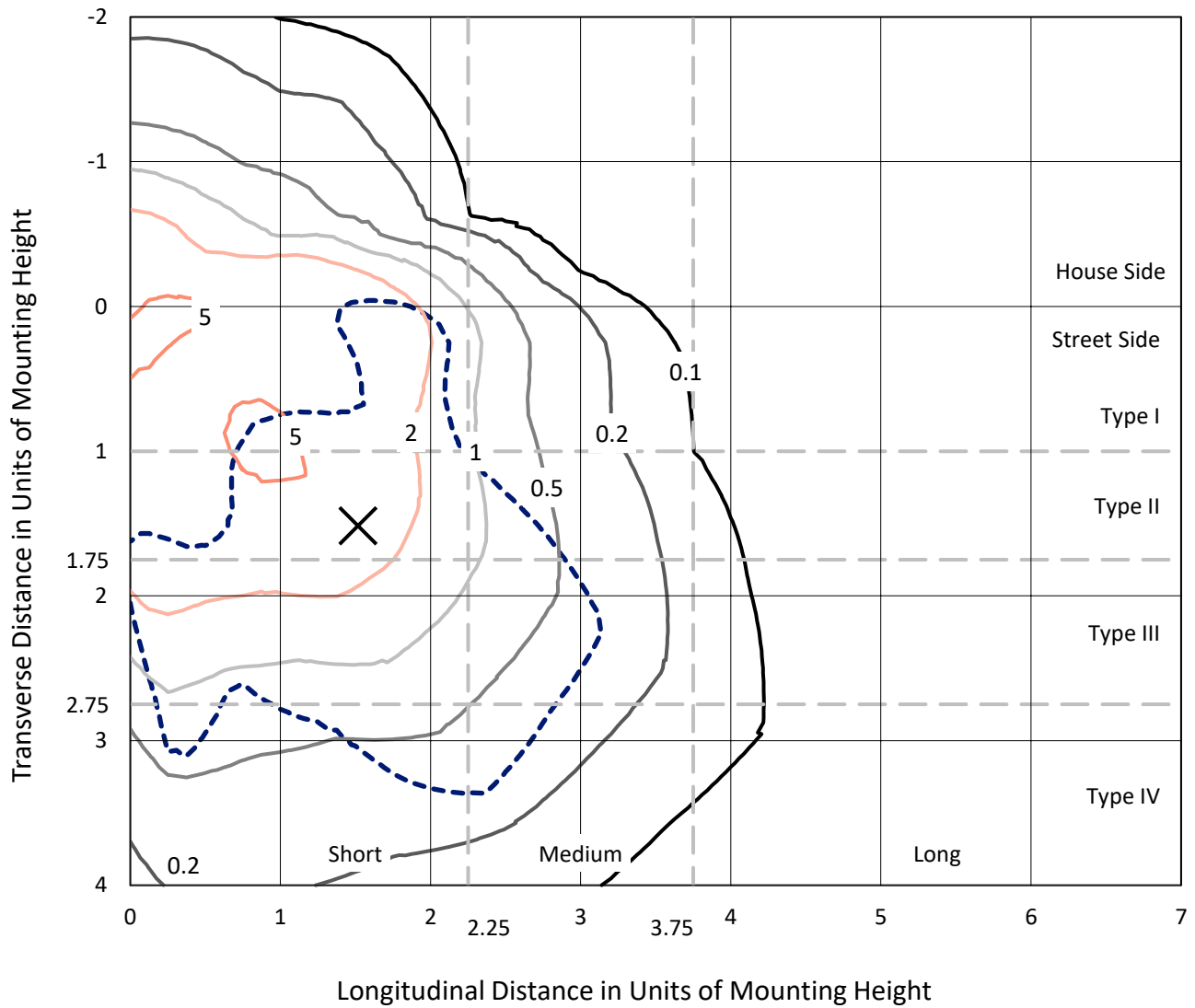
Lumens per Lamp: N/A  
Luminaire Lumens: 18503.3 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): 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: P969956  
 CATALOG NUMBER: NVN-SB6A-827-U-SLL-HSS

### Iso-Footcandle Lines of Horizontal Illumination

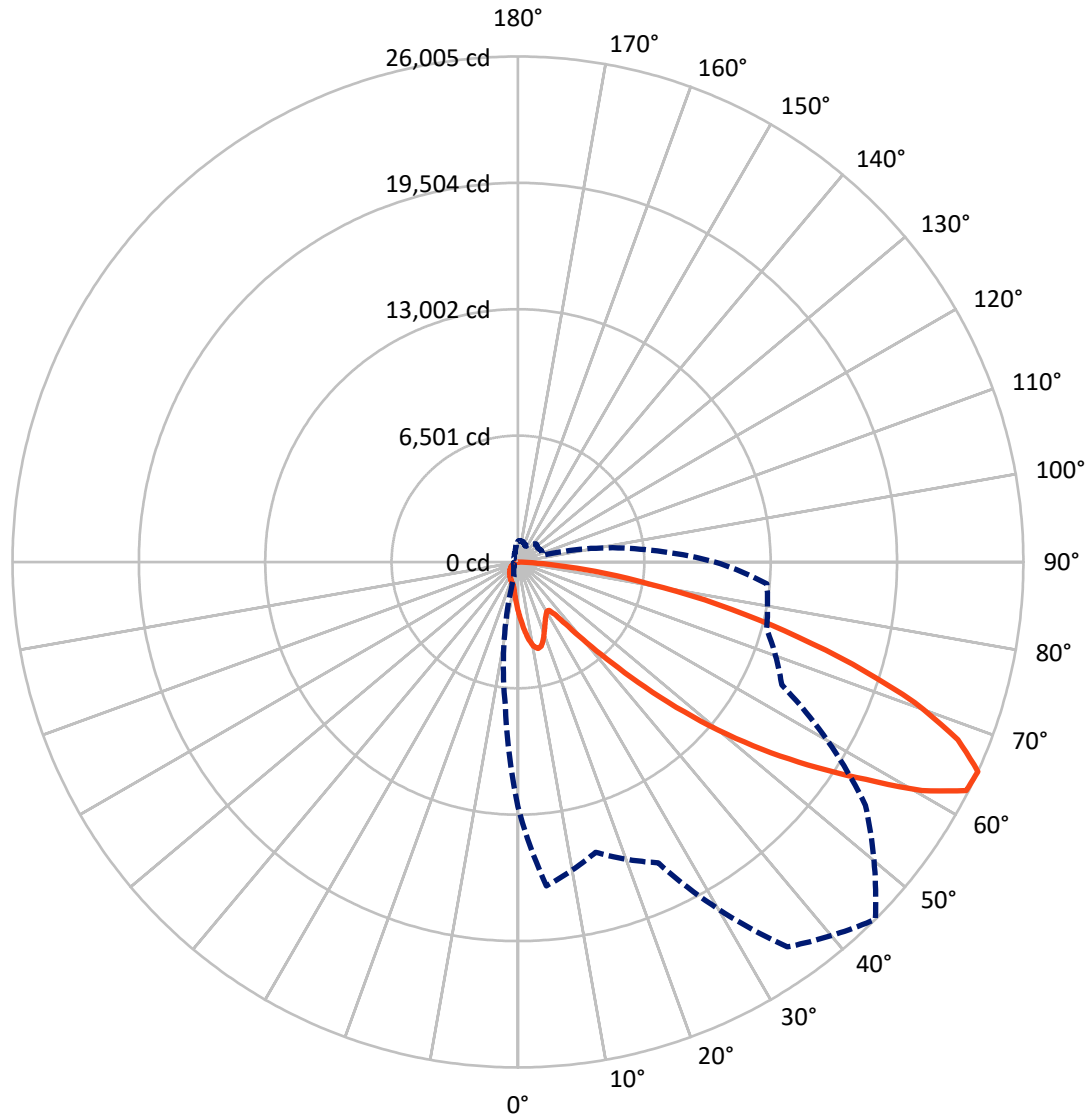
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P969956  
CATALOG NUMBER: NVN-SB6A-827-U-SLL-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P969956

CATALOG NUMBER: NVN-SB6A-827-U-SLL-HSS

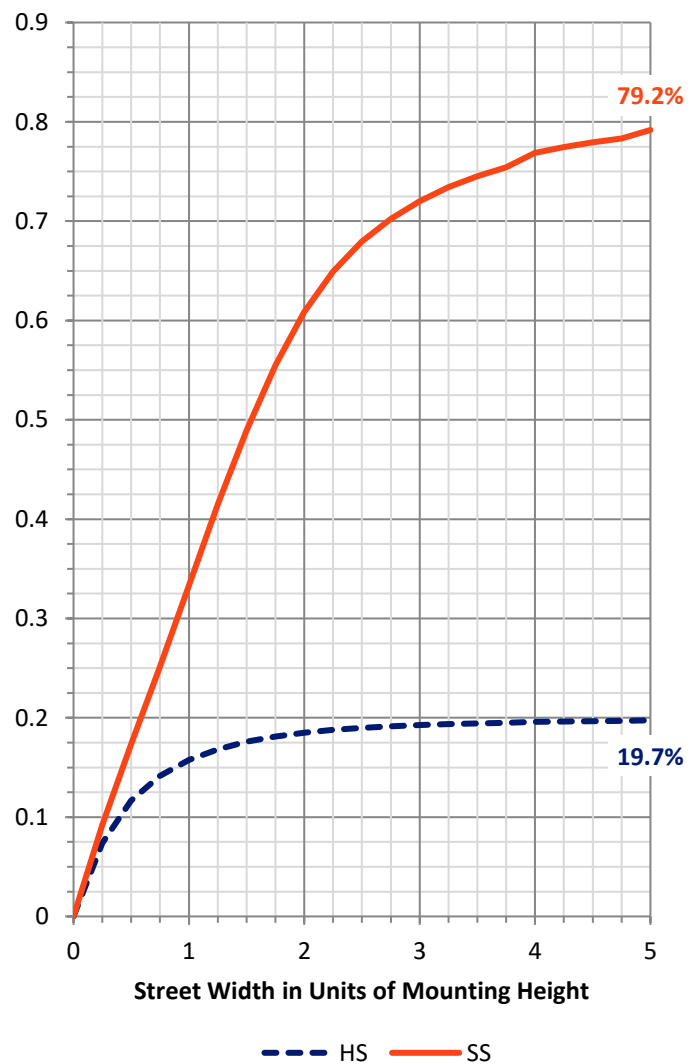
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3677.9	0.0	3677.9
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	14825.4	0.0	14825.4
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	18503.3	0.0	18503.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	252.2	1.4
10°-20°	756.2	4.1
20°-30°	1114.0	6.0
30°-40°	1431.2	7.7
40°-50°	2314.6	12.5
50°-60°	4058.9	21.9
60°-70°	5078.8	27.4
70°-80°	2967.8	16.0
80°-90°	529.5	2.9
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°	18503.3	100.0
0°-180°	18503.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P969956

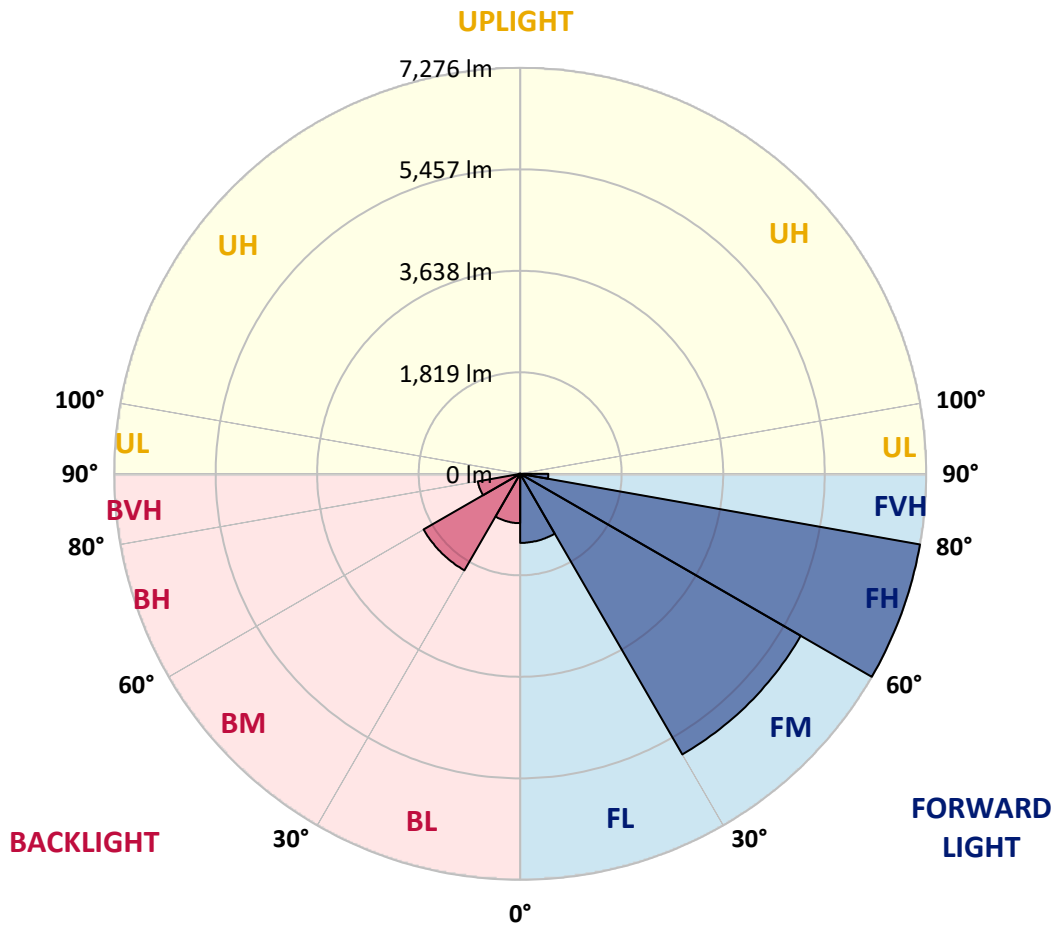
CATALOG NUMBER: NVN-SB6A-827-U-SLL-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1238.1	6.7			
FM (30°-60°)	5806.6	31.4			
FH (60°-80°)	7276.1	39.3			G3/7500
FVH (80°-90°)	504.7	2.7			G4/750
BL (0°-30°)	884.3	4.8	B2/1000		
BM (30°-60°)	1998.2	10.8	B2/2500		
BH (60°-80°)	770.6	4.2	B2/1000		G2/1000
BVH (80°-90°)	24.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short



REPORT NUMBER: P969956

CATALOG NUMBER: NVN-SB6A-827-U-SLL-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2870.6	2892.2	2940.7	2966.1	3005.7	3008.3	3008.3	2973.8	2972.6	2902.5	2894.8
5°	3208.4	3259.4	3374.1	3492.6	3518.1	3524.5	3511.8	3442.9	3391.9	3255.5	3226.2
7.5°	3543.6	3641.7	3816.4	3974.4	4025.5	4025.5	3994.8	3882.7	3778.2	3580.6	3506.6
10°	3821.5	3945.1	4182.2	4359.4	4418.1	4405.3	4342.8	4201.4	4057.4	3817.7	3720.9
12.5°	4005.1	4144.0	4404.0	4546.8	4606.7	4573.5	4502.2	4364.6	4212.9	3960.4	3850.8
15°	4096.8	4242.2	4467.8	4543.0	4526.4	4492.0	4483.0	4416.8	4302.0	4066.3	3946.5
17.5°	4136.4	4271.5	4428.2	4381.1	4240.8	4214.1	4303.4	4387.5	4359.4	4158.0	4045.9
20°	4173.3	4286.8	4333.9	4124.9	3880.1	3855.9	4026.7	4266.4	4388.7	4243.4	4140.2
22.5°	4224.3	4294.4	4197.6	3854.6	3590.8	3534.7	3723.3	4084.1	4397.7	4351.7	4248.5
25°	4294.4	4313.5	4047.1	3598.5	3333.3	3277.2	3453.1	3881.4	4382.4	4469.0	4381.1
27.5°	4378.5	4339.0	3903.1	3384.2	3128.1	3075.8	3251.7	3686.4	4339.0	4586.4	4523.8
30°	4488.2	4372.1	3760.3	3218.6	2981.5	2943.3	3112.8	3518.1	4285.5	4735.5	4701.1
32.5°	4599.1	4386.2	3627.8	3121.7	2948.3	2962.4	3101.3	3427.6	4226.9	4878.2	4894.8
35°	4718.9	4430.8	3562.7	3217.3	3225.0	3347.3	3404.6	3511.8	4218.0	5072.0	5137.0
37.5°	4882.1	4530.2	3640.5	3692.8	3957.9	4211.5	4164.4	3923.5	4321.2	5361.4	5482.4
40°	5116.6	4704.9	3979.6	4502.2	5046.5	5458.2	5278.4	4671.7	4637.3	5778.1	5959.1
42.5°	5458.2	4982.7	4581.2	5491.3	6414.2	7092.4	6610.5	5636.7	5190.5	6373.4	6604.2
45°	5962.9	5432.7	5309.1	6535.3	8100.6	9168.8	8166.9	6665.4	5965.5	7274.6	7455.6
47.5°	6662.8	6094.2	5991.0	7635.3	10150.3	11532.1	9892.8	7618.8	6847.6	8503.4	8545.5
50°	7592.0	6985.3	6637.3	8838.7	12397.6	13941.2	11617.5	8539.1	7858.5	10005.0	9956.5
52.5°	8818.3	8228.1	7390.7	9984.6	14708.5	16299.3	13349.8	9347.3	9112.8	11747.5	11648.1
55°	10490.7	10098.1	8420.6	11078.3	17018.3	18671.6	15014.5	10109.5	10769.8	13817.6	13215.9
57.5°	12565.9	12846.2	9905.6	12346.6	19094.7	21116.4	16686.9	11175.2	12921.5	16132.4	14126.0
60°	13904.2	16500.8	12749.4	14221.7	21454.2	23881.2	18978.8	13201.9	15182.8	16962.2	13952.7
62.5°	13580.5	17663.3	16155.3	16615.6	23623.7	25891.4	21224.8	15237.5	15608.5	15739.8	12616.8
65°	12587.5	16725.1	15460.7	17080.8	24173.1	26004.9	21825.1	14974.9	13240.1	12850.1	10141.3
67.5°	11221.1	15612.3	13809.9	15846.9	23180.2	24419.1	20707.3	13246.5	10231.9	9643.0	7357.4
70°	9746.2	14381.0	12726.4	14462.5	21287.2	21655.6	18806.7	11650.7	7525.8	6512.3	4721.5
72.5°	8346.7	13098.7	11984.6	13043.8	18762.1	17999.8	16332.6	10239.5	5479.9	4697.2	3356.3
75°	6915.2	11207.0	10927.8	11358.7	15441.5	14178.3	13570.3	8477.9	4300.8	3398.3	2316.1
77.5°	5335.8	8757.1	9399.6	9096.2	10869.2	10531.5	10518.7	6370.9	3142.1	2267.7	1451.9
80°	3652.0	6103.2	7343.4	6416.8	7054.2	6882.1	7922.1	4274.0	2279.1	1365.2	808.1
82.5°	2146.6	3715.7	5111.5	3106.4	3900.5	4003.8	4717.6	2079.0	1341.0	314.9	175.9
85°	870.6	1467.2	1998.7	1216.1	1881.4	1587.0	1790.9	583.8	373.5	7.7	0.0
87.5°	219.2	469.0	328.8	136.4	218.0	200.1	158.1	71.3	15.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P969956  
 CATALOG NUMBER: NVN-SB6A-827-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2845.1	2815.8	2743.1	2670.4	2611.8	2532.8	2480.5	2418.1	2358.1	2304.6	2294.5
5°	3145.9	3049.1	2916.4	2795.4	2671.8	2551.9	2433.4	2308.4	2193.7	2123.6	2079.0
7.5°	3390.7	3219.8	3043.9	2889.7	2740.5	2600.3	2443.6	2291.9	2112.1	2016.6	1929.9
10°	3572.9	3348.6	3117.8	2940.7	2790.3	2653.9	2521.3	2368.4	2151.7	2031.9	1901.8
12.5°	3692.8	3426.4	3156.1	2953.4	2785.2	2679.4	2620.7	2560.9	2345.4	2205.2	2016.6
15°	3775.6	3481.2	3182.9	2924.1	2717.6	2639.9	2698.5	2767.3	2629.6	2467.8	2221.8
17.5°	3866.1	3552.5	3194.3	2845.1	2586.4	2553.2	2704.9	2864.3	2857.8	2697.2	2456.3
20°	3961.7	3615.0	3186.7	2717.6	2427.0	2456.3	2650.0	2834.9	2912.6	2825.9	2611.8
22.5°	4059.8	3674.9	3157.4	2551.9	2277.9	2369.6	2563.4	2725.3	2817.0	2790.3	2627.1
25°	4183.5	3759.1	3114.1	2373.5	2154.2	2281.6	2462.7	2594.0	2657.7	2656.5	2544.3
27.5°	4331.3	3871.2	3091.1	2229.4	2066.3	2182.2	2342.8	2460.1	2504.8	2504.8	2415.5
30°	4503.4	4003.8	3065.6	2135.1	2015.3	2079.0	2204.0	2318.7	2363.2	2363.2	2288.1
32.5°	4694.7	4131.3	3004.5	2077.8	1977.0	1978.4	2057.4	2161.8	2215.4	2223.0	2169.5
35°	4924.1	4267.7	2870.6	2031.9	1932.4	1880.2	1918.4	2005.1	2068.9	2085.4	2052.3
37.5°	5224.9	4434.7	2679.4	1964.3	1863.6	1776.9	1785.9	1852.1	1922.2	1947.7	1926.1
40°	5629.0	4631.0	2480.5	1867.4	1766.7	1663.5	1659.7	1708.1	1776.9	1804.9	1793.4
42.5°	6163.1	4866.7	2290.6	1774.4	1649.4	1543.6	1537.3	1575.5	1635.4	1664.7	1659.7
45°	6846.3	5156.1	2127.5	1701.7	1534.7	1430.2	1427.6	1459.5	1511.8	1542.3	1536.0
47.5°	7795.9	5445.4	2016.6	1663.5	1444.2	1337.1	1342.2	1370.3	1417.5	1439.1	1430.2
50°	9033.7	5533.4	1960.4	1663.5	1395.7	1254.3	1279.8	1302.8	1338.4	1351.2	1339.7
52.5°	10221.7	5242.8	1909.5	1673.6	1402.2	1184.2	1239.0	1255.5	1286.2	1291.3	1274.7
55°	10804.2	4507.2	1839.4	1676.2	1441.7	1124.3	1205.8	1236.5	1247.9	1246.6	1218.6
57.5°	10604.1	3644.3	1720.9	1666.0	1468.4	1086.0	1165.0	1223.7	1231.3	1219.9	1167.6
60°	9901.7	2683.2	1630.4	1590.8	1458.3	1074.5	1102.6	1195.7	1207.1	1191.9	1106.4
62.5°	8724.0	1862.3	1560.3	1425.1	1413.6	1070.7	1004.5	1134.5	1162.6	1140.8	1015.9
65°	6868.0	1315.5	1343.5	1249.2	1316.7	1050.3	902.5	1060.6	1098.8	1065.6	889.7
67.5°	4647.5	949.7	1088.6	1131.9	1160.0	1004.5	828.5	976.4	1027.4	984.1	743.1
70°	2509.8	666.7	718.9	953.5	985.3	925.4	762.3	891.0	949.7	902.5	605.5
72.5°	1482.5	479.3	503.5	766.1	820.9	814.6	688.3	791.6	862.9	806.9	492.0
75°	817.0	323.8	359.5	555.8	666.7	628.4	591.4	670.5	743.1	688.3	379.9
77.5°	365.8	193.7	249.8	364.6	523.9	430.8	457.7	522.6	590.2	532.8	253.7
80°	141.4	108.3	165.7	198.8	381.1	238.4	294.5	385.0	433.4	387.6	154.3
82.5°	17.8	48.5	71.3	77.8	221.8	126.2	170.8	242.2	238.4	206.5	77.8
85°	0.0	8.9	10.1	5.1	95.6	45.9	56.1	79.0	73.9	56.1	6.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P969956  
 CATALOG NUMBER: NVN-SB6A-827-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2231.9	2186.1	2163.2	2144.0	2161.8	2172.1	2172.1	2215.4	2240.9	2251.1	2322.4
5°	1966.9	1881.4	1824.1	1789.6	1801.1	1813.8	1827.9	1882.7	1919.7	1943.9	2054.8
7.5°	1757.8	1627.8	1547.4	1505.4	1511.8	1520.7	1532.2	1585.7	1622.7	1654.6	1778.2
10°	1654.6	1471.0	1365.2	1314.2	1305.2	1300.2	1296.3	1328.2	1356.3	1381.8	1504.1
12.5°	1659.7	1403.4	1274.7	1212.3	1185.4	1154.9	1130.7	1135.7	1153.6	1185.4	1263.2
15°	1724.7	1381.8	1227.5	1149.7	1105.2	1069.5	1040.2	1033.8	1040.2	1045.2	1093.7
17.5°	1812.6	1379.2	1186.7	1089.9	1044.0	1014.6	987.9	979.0	980.2	986.6	999.4
20°	1882.7	1371.6	1140.8	1032.5	991.7	966.2	939.4	930.5	933.1	934.4	948.3
22.5°	1919.7	1360.1	1089.9	975.1	940.7	915.2	891.0	889.7	889.7	897.4	907.5
25°	1919.7	1335.9	1044.0	920.3	889.7	866.7	837.4	842.6	845.1	855.4	870.6
27.5°	1873.8	1290.0	1007.0	873.2	841.3	818.4	791.6	798.0	801.8	813.2	832.4
30°	1815.2	1235.1	964.9	828.5	791.6	775.0	752.0	754.6	759.7	772.4	794.2
32.5°	1752.6	1170.1	930.5	783.9	746.9	734.2	708.7	712.6	717.6	731.6	755.9
35°	1683.9	1093.7	889.7	743.1	706.2	696.0	666.7	669.2	676.8	692.2	716.4
37.5°	1611.2	1031.3	848.9	703.7	665.4	655.2	624.6	627.1	636.1	653.9	676.8
40°	1539.9	970.1	805.6	661.5	623.3	614.4	581.3	583.8	594.0	613.2	637.3
42.5°	1462.1	922.9	749.5	618.2	577.4	568.5	537.9	541.7	553.2	572.4	596.6
45°	1369.0	892.3	687.1	577.4	531.6	522.6	494.6	502.2	515.0	534.1	559.5
47.5°	1273.5	879.6	634.8	534.1	484.4	476.7	453.8	466.6	480.5	495.9	523.9
50°	1181.6	862.9	581.3	493.3	443.6	435.9	420.7	437.3	451.2	465.2	492.0
52.5°	1077.1	827.3	532.8	457.7	409.2	406.6	398.9	414.3	427.0	439.7	462.7
55°	968.7	769.9	490.8	425.8	379.9	382.4	378.5	391.3	401.5	413.0	433.4
57.5°	874.4	697.2	457.7	391.3	354.3	362.0	356.9	363.3	369.6	383.7	400.3
60°	778.8	610.6	420.7	350.5	328.8	337.8	323.8	322.5	325.0	328.8	359.5
62.5°	650.1	520.1	374.7	314.9	300.8	304.6	277.9	257.5	257.5	261.3	307.2
65°	522.6	435.9	323.8	274.1	262.6	260.0	221.8	193.7	191.2	202.6	242.2
67.5°	429.6	362.0	272.8	228.2	220.5	223.0	195.1	167.0	164.4	177.2	206.5
70°	355.7	291.9	218.0	175.9	183.6	195.1	167.0	140.2	136.4	147.9	175.9
72.5°	283.0	228.2	167.0	130.0	151.7	165.7	136.4	110.9	108.3	118.6	145.3
75°	207.8	163.2	113.5	94.3	117.3	130.0	99.4	79.0	75.2	84.2	110.9
77.5°	128.7	91.7	71.3	56.1	80.3	86.7	52.3	45.9	44.6	50.9	70.1
80°	59.9	39.6	34.4	19.2	29.3	34.4	21.6	24.2	25.5	30.5	43.4
82.5°	16.6	6.4	1.2	0.0	0.0	10.1	5.1	10.1	12.7	19.2	28.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	6.4	11.5	20.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P969956  
 CATALOG NUMBER: NVN-SB6A-827-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	295°	305°	315°	325°	335°	345°	355°	360°
0°	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1	2562.1
2.5°	2376.1	2427.0	2508.6	2592.7	2675.6	2759.7	2841.3	2870.6
5°	2155.5	2272.7	2434.7	2608.0	2786.5	2967.5	3133.2	3208.4
7.5°	1909.5	2077.8	2321.2	2592.7	2877.0	3161.2	3422.6	3543.6
10°	1646.9	1859.8	2137.6	2504.8	2912.6	3305.2	3664.7	3821.5
12.5°	1397.1	1620.1	1927.3	2367.1	2884.7	3388.1	3820.3	4005.1
15°	1188.0	1385.6	1717.0	2204.0	2794.1	3393.2	3894.2	4096.8
17.5°	1031.3	1160.0	1502.9	2022.9	2675.6	3346.0	3919.7	4136.4
20°	953.5	989.1	1225.0	1790.9	2564.7	3301.4	3945.1	4173.3
22.5°	907.5	916.5	1001.9	1491.4	2432.1	3287.4	3989.7	4224.3
25°	870.6	873.2	896.1	1181.6	2229.4	3278.5	4058.6	4294.4
27.5°	833.6	833.6	846.3	952.2	1954.1	3240.2	4147.9	4378.5
30°	796.6	796.6	805.6	842.6	1631.6	3165.0	4254.9	4488.2
32.5°	758.4	758.4	766.1	792.8	1302.8	3070.7	4353.1	4599.1
35°	720.2	717.6	727.9	755.9	1036.3	2950.9	4451.2	4718.9
37.5°	679.4	678.1	688.3	720.2	894.8	2812.0	4525.2	4882.1
40°	636.1	636.1	647.5	681.9	854.0	2637.3	4642.4	5116.6
42.5°	596.6	594.0	606.8	648.8	823.5	2470.4	4852.8	5458.2
45°	558.3	553.2	564.7	616.9	769.9	2411.7	5245.3	5962.9
47.5°	522.6	509.8	520.1	578.7	721.5	2631.0	5887.8	6662.8
50°	493.3	469.0	478.0	540.5	684.5	3106.4	6721.4	7592.0
52.5°	462.7	430.8	435.9	493.3	651.4	3558.9	7625.2	8818.3
55°	430.8	395.1	397.7	446.2	604.2	3626.4	8507.2	10490.7
57.5°	395.1	362.0	362.0	402.8	569.8	3143.4	9185.3	12565.9
60°	355.7	333.9	327.6	368.4	600.3	2218.0	9264.4	13904.2
62.5°	312.3	300.8	291.9	335.3	623.3	1314.2	8628.3	13580.5
65°	262.6	260.0	253.7	368.4	525.2	776.2	7407.2	12587.5
67.5°	220.5	216.7	216.7	386.2	398.9	488.2	5787.0	11221.1
70°	189.9	175.9	175.9	291.9	242.2	337.8	4040.8	9746.2
72.5°	159.3	144.0	133.9	233.3	181.0	247.3	2525.2	8346.7
75°	127.5	116.0	103.2	154.3	135.1	187.4	1467.2	6915.2
77.5°	91.7	86.7	72.7	113.5	98.2	135.1	873.2	5335.8
80°	47.2	48.5	45.9	65.0	66.3	91.7	497.1	3652.0
82.5°	28.1	21.6	24.2	31.9	38.2	52.3	187.4	2146.6
85°	17.8	11.5	11.5	15.3	19.2	20.4	57.4	870.6
87.5°	8.9	3.8	5.1	7.7	6.4	5.1	2.6	219.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)