

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: P968409

Luminaire Tested: **NVN-SB5B-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB5B-830-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26104.7 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 182.7
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

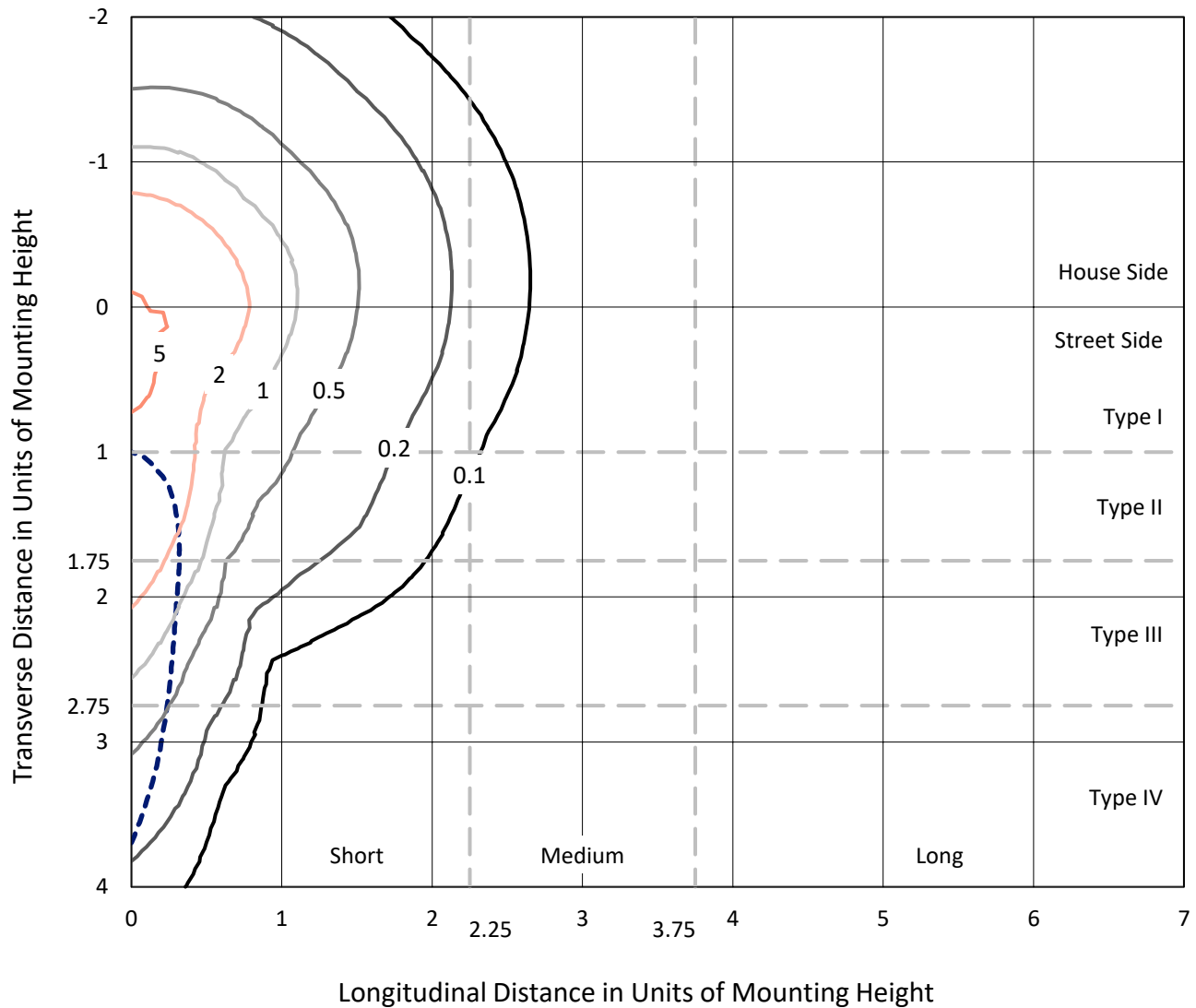


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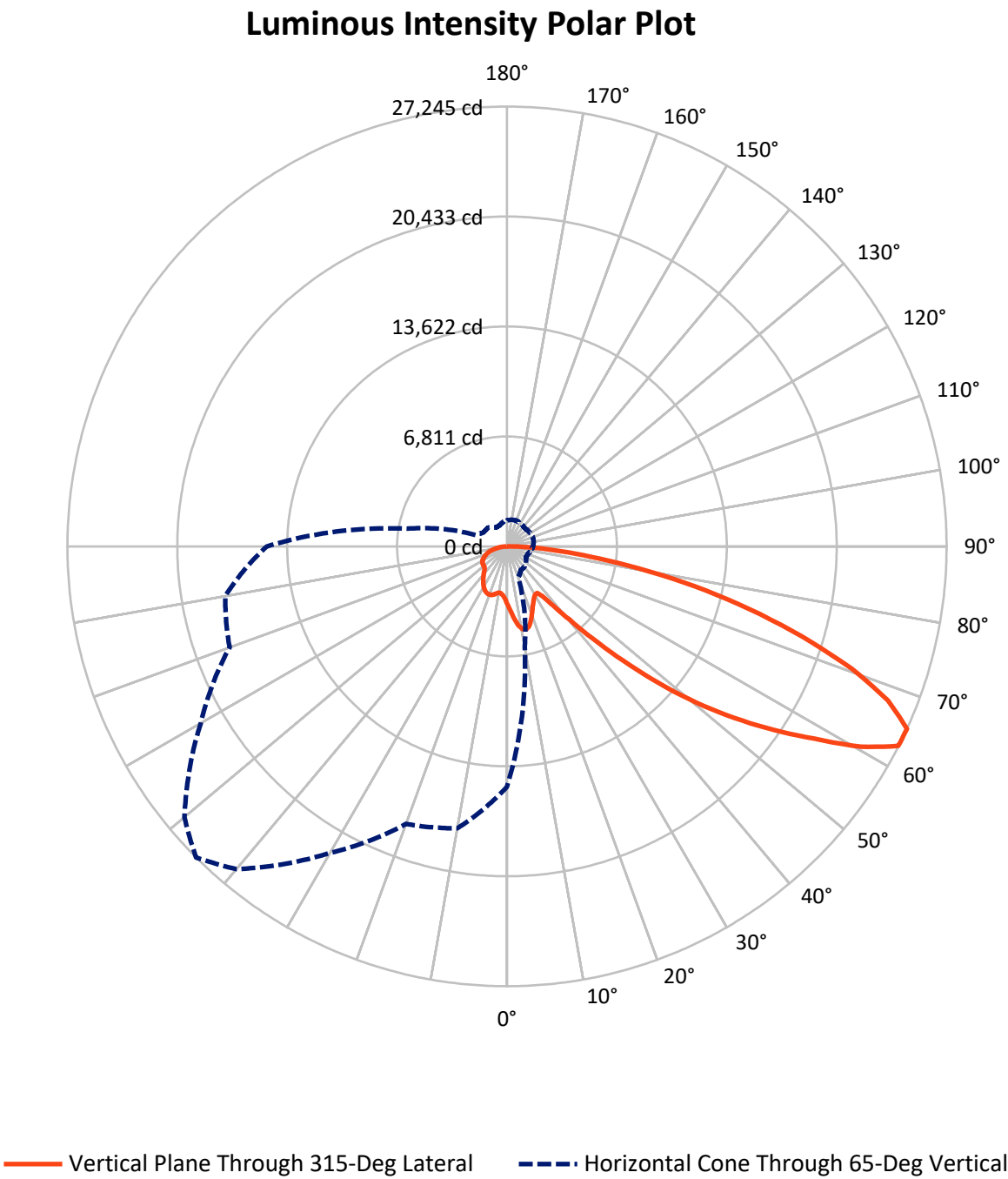
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type IV - Short - N/A

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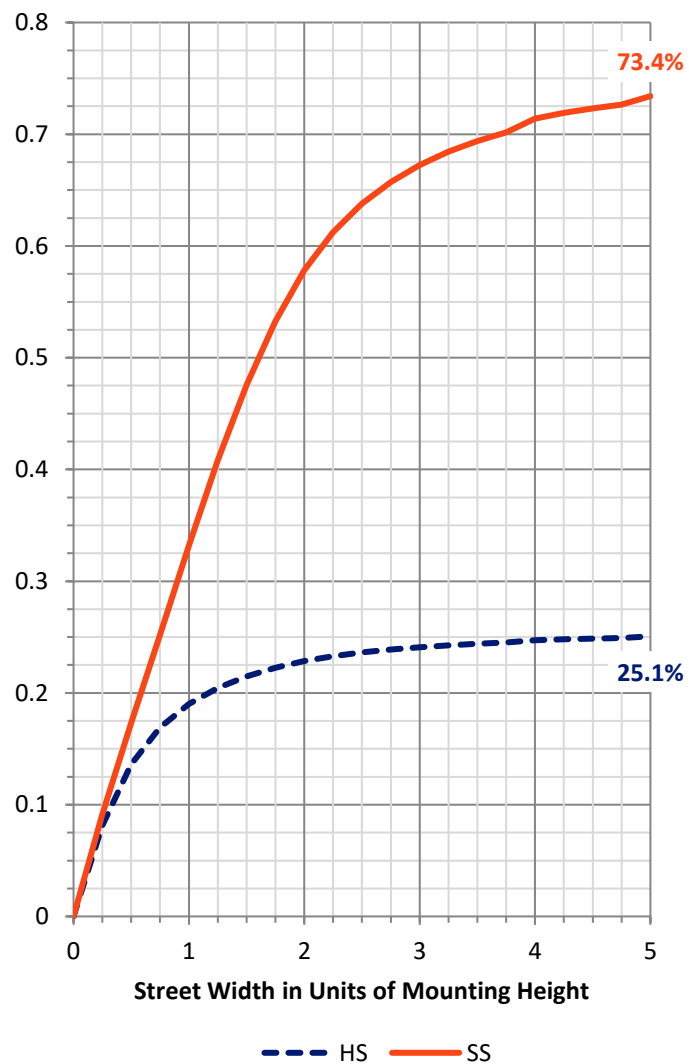
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6634.5	0.0	6634.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	19470.2	0.0	19470.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	26104.7	0.0	26104.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.1	1.4
10°-20°	1117.8	4.3
20°-30°	1726.7	6.6
30°-40°	2188.1	8.4
40°-50°	3300.2	12.6
50°-60°	5332.0	20.4
60°-70°	6647.2	25.5
70°-80°	4358.9	16.7
80°-90°	1077.6	4.1
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°	26104.7	100.0
0°-180°	26104.7	100.0

Coefficient of Utilization



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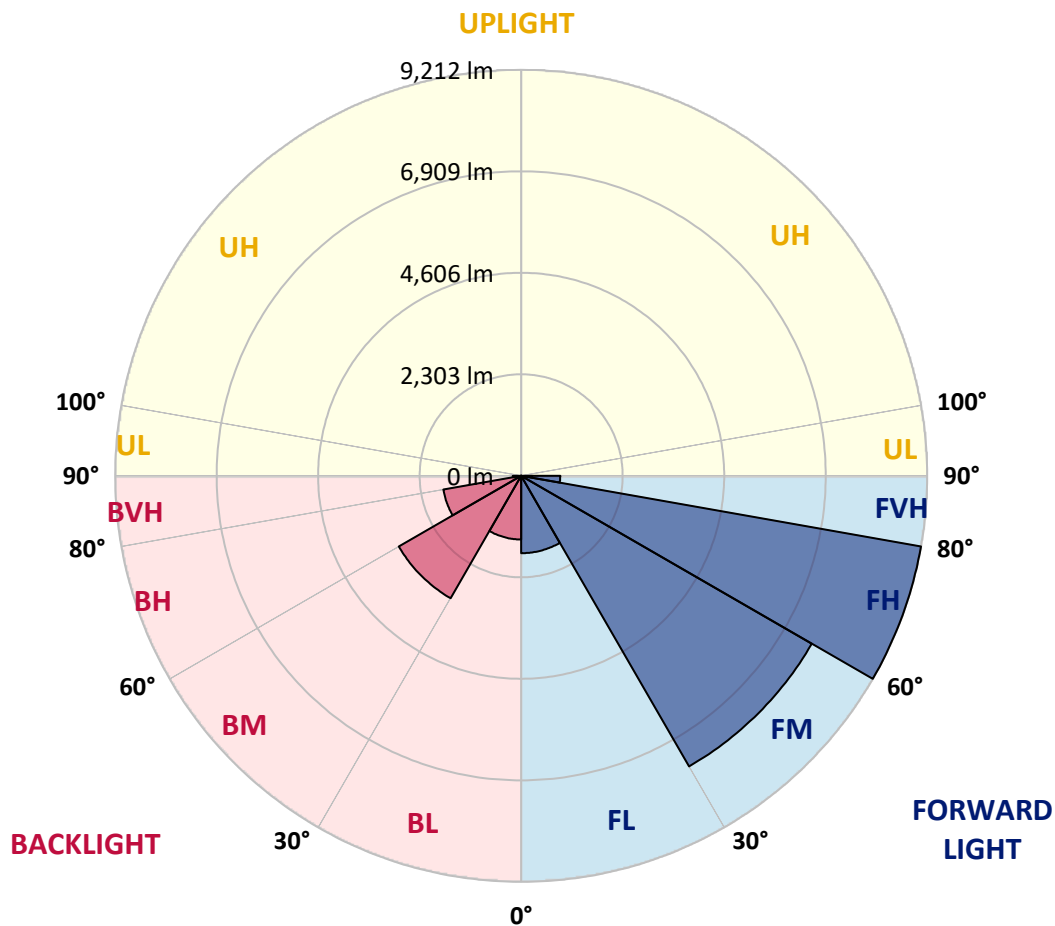
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1755.8	6.7			
FM	(30°-60°)	7614.2	29.2			
FH	(60°-80°)	9212.5	35.3			G4/12000
FVH	(80°-90°)	887.7	3.4			G5
BL	(0°-30°)	1444.7	5.5	B3/2500		
BM	(30°-60°)	3206.2	12.3	B3/5000		
BH	(60°-80°)	1793.7	6.9	B3/2500		G3/2500
BVH	(80°-90°)	189.9	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7
2.5°	3860.3	3830.6	3801.1	3769.5	3738.1	3706.4	3674.7	3644.5	3614.2	3584.8	3552.1
5°	4150.9	4085.5	4020.0	3954.8	3889.7	3824.0	3758.4	3697.1	3635.8	3577.9	3520.8
7.5°	4443.0	4334.9	4227.1	4127.4	4027.6	3930.6	3833.4	3747.9	3662.3	3583.4	3509.5
10°	4666.8	4530.3	4393.8	4262.0	4130.2	4012.4	3894.3	3793.2	3691.8	3594.5	3514.9
12.5°	4803.9	4653.8	4504.0	4354.6	4205.4	4066.2	3927.1	3812.6	3698.2	3595.8	3521.9
15°	4887.2	4730.8	4574.5	4412.5	4250.5	4090.4	3930.2	3797.6	3665.1	3551.7	3492.5
17.5°	4934.0	4775.5	4616.9	4440.2	4263.5	4077.6	3891.5	3732.2	3572.8	3439.5	3403.0
20°	4985.7	4820.9	4656.1	4461.8	4267.6	4042.3	3816.9	3619.4	3421.9	3266.6	3256.9
22.5°	5045.6	4877.3	4708.7	4491.0	4273.1	3999.0	3724.8	3487.0	3249.1	3072.4	3091.3
25°	5122.7	4957.7	4792.8	4543.9	4294.9	3956.3	3617.8	3339.2	3060.6	2879.5	2930.5
27.5°	5227.4	5070.1	4912.6	4626.5	4340.4	3927.8	3515.2	3204.0	2893.0	2728.0	2790.0
30°	5368.5	5216.5	5064.6	4733.6	4402.6	3914.4	3426.0	3091.1	2756.2	2617.8	2666.4
32.5°	5535.3	5384.7	5234.3	4845.3	4456.3	3897.9	3339.2	2993.7	2648.1	2536.6	2558.2
35°	5737.7	5593.6	5449.4	4972.6	4495.8	3866.8	3238.1	2898.0	2557.9	2464.9	2456.0
37.5°	6078.7	5894.9	5711.2	5115.2	4519.1	3813.4	3107.8	2785.3	2462.9	2381.6	2348.8
40°	6593.8	6326.1	6058.3	5296.2	4533.9	3740.0	2946.4	2650.9	2355.4	2281.8	2231.4
42.5°	7277.1	6890.6	6504.0	5533.0	4561.9	3664.3	2767.0	2502.5	2238.1	2170.1	2106.8
45°	8120.8	7599.4	7078.0	5844.4	4611.0	3593.9	2577.0	2345.0	2113.0	2044.2	1982.9
47.5°	9175.8	8442.1	7708.2	6176.4	4644.8	3535.7	2426.8	2220.3	2013.8	1925.0	1872.3
50°	10558.8	9452.6	8346.2	6484.5	4622.8	3472.4	2322.1	2137.5	1952.9	1836.2	1774.8
52.5°	12146.4	10514.0	8881.7	6684.4	4487.0	3365.4	2243.8	2083.0	1922.2	1787.9	1702.2
55°	13836.5	11455.1	9073.9	6640.4	4206.7	3188.0	2169.2	2043.4	1917.7	1792.7	1663.7
57.5°	15373.7	12122.1	8870.5	6330.2	3790.0	2937.9	2085.5	1996.6	1907.7	1797.5	1640.5
60°	16302.7	12288.7	8274.6	5752.9	3231.2	2613.0	1994.9	1925.0	1855.1	1782.4	1618.8
62.5°	15831.0	11586.9	7342.9	4972.3	2601.8	2224.2	1846.8	1800.4	1754.2	1745.3	1593.5
65°	14886.7	10593.9	6301.1	4175.8	2050.7	1874.5	1698.4	1676.5	1654.6	1655.7	1540.0
67.5°	13621.5	9412.3	5202.9	3395.7	1588.4	1538.4	1488.3	1500.6	1512.7	1509.7	1444.6
70°	12101.6	8122.8	4144.1	2673.6	1203.2	1217.5	1231.7	1288.4	1345.1	1345.1	1323.7
72.5°	10290.2	6724.9	3159.9	2044.0	928.1	971.2	1014.4	1094.9	1175.3	1188.7	1189.0
75°	7998.8	5122.5	2246.3	1483.5	720.7	759.8	798.9	889.0	979.1	1041.3	1036.1
77.5°	5715.0	3585.3	1455.7	1005.2	554.8	581.4	608.1	695.6	783.1	885.7	882.9
80°	3740.4	2309.9	879.4	647.7	415.9	427.0	438.0	512.1	586.1	708.7	708.3
82.5°	2174.3	1336.9	499.7	398.3	297.2	299.2	301.3	356.0	410.5	515.2	520.9
85°	956.6	601.4	246.3	213.0	179.8	178.8	177.7	217.6	257.6	335.4	343.0
87.5°	296.1	197.0	97.8	88.3	78.8	77.8	76.9	93.1	109.5	141.9	151.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7
2.5°	3525.7	3499.4	3475.6	3451.9	3431.1	3410.3	3389.4	3368.6	3352.5	3336.2	3323.0
5°	3470.9	3420.8	3379.0	3337.3	3300.4	3263.4	3230.0	3196.4	3170.6	3144.7	3126.7
7.5°	3443.1	3376.8	3321.7	3266.6	3220.1	3173.6	3132.6	3091.7	3061.0	3030.4	3008.9
10°	3445.0	3375.0	3319.9	3264.8	3214.8	3164.7	3118.6	3072.4	3035.7	2998.9	2975.0
12.5°	3464.5	3407.5	3370.9	3334.5	3295.2	3256.0	3208.2	3160.6	3113.7	3066.9	3035.8
15°	3465.1	3437.8	3442.8	3447.8	3437.5	3427.4	3385.9	3344.5	3277.7	3211.1	3164.0
17.5°	3413.0	3423.0	3483.1	3543.0	3575.0	3606.9	3573.4	3540.0	3451.8	3363.4	3294.0
20°	3303.8	3350.6	3454.9	3559.3	3626.1	3693.0	3677.5	3661.9	3561.0	3460.1	3375.0
22.5°	3160.6	3229.9	3348.9	3468.1	3555.0	3641.9	3651.4	3660.6	3564.1	3467.7	3380.1
25°	3010.4	3090.3	3197.3	3304.5	3390.0	3475.6	3507.6	3539.3	3460.3	3381.4	3303.4
27.5°	2867.1	2944.3	3032.3	3120.2	3188.8	3257.3	3292.9	3328.6	3272.2	3216.0	3155.6
30°	2727.6	2789.0	2862.0	2935.1	2992.0	3049.0	3077.9	3106.9	3064.0	3021.0	2977.7
32.5°	2594.4	2630.7	2688.9	2747.3	2801.8	2856.6	2888.7	2920.8	2881.5	2841.9	2807.4
35°	2465.9	2476.0	2520.5	2564.8	2618.8	2672.9	2711.5	2750.1	2722.0	2694.0	2662.0
37.5°	2337.8	2326.8	2358.7	2390.5	2444.4	2498.4	2546.1	2593.8	2580.7	2567.8	2538.5
40°	2206.5	2181.6	2204.6	2227.6	2279.7	2331.8	2386.6	2441.5	2444.7	2447.7	2422.8
42.5°	2073.8	2040.7	2059.4	2078.3	2127.6	2177.1	2236.2	2295.5	2311.4	2327.2	2306.1
45°	1950.6	1918.5	1934.2	1950.2	1997.0	2043.8	2105.2	2166.7	2189.4	2212.2	2193.2
47.5°	1845.2	1818.2	1833.1	1847.9	1893.7	1939.4	2000.1	2060.7	2086.8	2113.0	2099.8
50°	1750.9	1727.0	1750.2	1773.5	1816.7	1859.9	1914.1	1968.4	2001.9	2035.5	2034.7
52.5°	1678.5	1655.0	1689.8	1724.6	1764.2	1803.8	1854.3	1905.0	1944.8	1984.6	1991.8
55°	1626.2	1588.9	1638.4	1687.7	1730.3	1773.0	1817.4	1861.6	1903.7	1946.1	1956.0
57.5°	1586.0	1531.5	1584.6	1637.7	1688.0	1738.1	1781.9	1825.8	1868.4	1910.8	1920.8
60°	1548.2	1477.3	1524.0	1570.6	1628.1	1685.7	1730.2	1774.8	1817.5	1860.3	1871.2
62.5°	1505.0	1416.7	1446.3	1475.9	1543.0	1610.3	1657.7	1705.3	1744.3	1783.5	1794.2
65°	1446.1	1352.0	1363.4	1374.7	1446.6	1518.6	1564.0	1609.6	1644.0	1678.4	1689.3
67.5°	1366.4	1288.2	1284.6	1281.0	1347.5	1414.0	1457.0	1500.1	1529.8	1559.5	1570.2
70°	1268.0	1212.5	1200.1	1187.7	1246.0	1304.4	1341.6	1378.8	1405.7	1432.5	1442.7
72.5°	1150.9	1112.7	1094.5	1076.5	1122.5	1168.4	1201.9	1235.5	1261.9	1288.2	1300.3
75°	1006.8	977.3	959.9	942.5	976.6	1010.8	1041.2	1071.6	1095.6	1119.6	1132.2
77.5°	859.4	835.8	818.2	800.5	828.4	856.1	882.2	908.5	933.7	958.7	970.6
80°	688.6	668.7	654.1	639.1	662.3	685.3	707.4	729.4	748.5	767.5	783.2
82.5°	511.3	501.6	491.2	480.7	478.8	476.8	469.1	461.5	502.2	542.9	569.7
85°	332.6	322.4	310.6	298.9	288.9	278.9	257.6	236.3	274.4	312.7	345.7
87.5°	147.4	143.3	141.0	138.9	138.5	138.1	121.8	105.4	121.4	137.5	150.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7
2.5°	3310.0	3299.8	3289.6	3280.2	3270.8	3259.0	3270.8	3280.2	3289.6	3299.8	3310.0
5°	3108.6	3095.8	3083.0	3073.3	3063.4	3053.8	3063.4	3073.3	3083.0	3095.8	3108.6
7.5°	2987.4	2972.7	2958.0	2949.2	2940.5	2934.0	2940.5	2949.2	2958.0	2972.7	2987.4
10°	2950.8	2936.8	2922.9	2915.5	2908.0	2905.1	2908.0	2915.5	2922.9	2936.8	2950.8
12.5°	3004.9	2989.3	2973.9	2967.6	2961.2	2960.1	2961.2	2967.6	2973.9	2989.3	3004.9
15°	3116.9	3095.3	3073.8	3065.5	3057.3	3056.5	3057.3	3065.5	3073.8	3095.3	3116.9
17.5°	3224.5	3192.7	3160.6	3150.0	3139.5	3137.8	3139.5	3150.0	3160.6	3192.7	3224.5
20°	3290.0	3249.1	3208.0	3195.0	3181.9	3177.8	3181.9	3195.0	3208.0	3249.1	3290.0
22.5°	3292.4	3249.2	3206.0	3191.5	3177.1	3170.8	3177.1	3191.5	3206.0	3249.2	3292.4
25°	3225.7	3188.3	3151.0	3137.2	3123.8	3115.8	3123.8	3137.2	3151.0	3188.3	3225.7
27.5°	3095.1	3070.1	3044.9	3038.6	3032.5	3030.4	3032.5	3038.6	3044.9	3070.1	3095.1
30°	2934.3	2921.5	2908.4	2908.4	2908.4	2910.6	2908.4	2908.4	2908.4	2921.5	2934.3
32.5°	2772.8	2764.4	2756.0	2757.0	2758.4	2760.4	2758.4	2757.0	2756.0	2764.4	2772.8
35°	2630.3	2617.4	2604.7	2602.0	2599.2	2597.9	2599.2	2602.0	2604.7	2617.4	2630.3
37.5°	2509.0	2485.7	2462.6	2450.4	2438.1	2431.2	2438.1	2450.4	2462.6	2485.7	2509.0
40°	2397.9	2364.0	2330.3	2307.5	2284.9	2271.4	2284.9	2307.5	2330.3	2364.0	2397.9
42.5°	2285.1	2243.2	2201.2	2168.0	2134.8	2113.0	2134.8	2168.0	2201.2	2243.2	2285.1
45°	2174.3	2126.3	2078.3	2039.3	2000.3	1975.3	2000.3	2039.3	2078.3	2126.3	2174.3
47.5°	2086.6	2043.8	2001.1	1965.0	1929.2	1905.0	1929.2	1965.0	2001.1	2043.8	2086.6
50°	2034.2	2000.1	1965.8	1932.5	1899.2	1876.1	1899.2	1932.5	1965.8	2000.1	2034.2
52.5°	1999.0	1971.1	1943.3	1913.4	1883.6	1862.3	1883.6	1913.4	1943.3	1971.1	1999.0
55°	1965.8	1941.7	1917.4	1891.2	1865.1	1845.8	1865.1	1891.2	1917.4	1941.7	1965.8
57.5°	1930.9	1906.4	1881.9	1856.0	1829.9	1809.9	1829.9	1856.0	1881.9	1906.4	1930.9
60°	1882.3	1858.3	1834.4	1807.8	1781.0	1760.3	1781.0	1807.8	1834.4	1858.3	1882.3
62.5°	1804.7	1783.1	1761.5	1733.4	1705.3	1680.5	1705.3	1733.4	1761.5	1783.1	1804.7
65°	1700.1	1679.3	1658.4	1631.2	1604.0	1582.7	1604.0	1631.2	1658.4	1679.3	1700.1
67.5°	1580.7	1561.5	1542.4	1517.1	1491.8	1472.5	1491.8	1517.1	1542.4	1561.5	1580.7
70°	1452.9	1437.4	1421.8	1397.6	1373.3	1351.3	1373.3	1397.6	1421.8	1437.4	1452.9
72.5°	1312.4	1299.5	1286.6	1263.4	1240.4	1219.0	1240.4	1263.4	1286.6	1299.5	1312.4
75°	1144.9	1138.6	1132.2	1112.8	1093.4	1073.1	1093.4	1112.8	1132.2	1138.6	1144.9
77.5°	982.4	973.5	964.5	944.9	925.4	909.1	925.4	944.9	964.5	973.5	982.4
80°	798.9	795.1	791.3	765.1	738.6	708.0	738.6	765.1	791.3	795.1	798.9
82.5°	596.4	594.8	593.0	570.8	548.5	528.9	548.5	570.8	593.0	594.8	596.4
85°	378.8	376.1	373.3	356.0	338.6	320.9	338.6	356.0	373.3	376.1	378.8
87.5°	164.2	160.9	157.3	148.5	139.4	130.9	139.4	148.5	157.3	160.9	164.2
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: P968409

CATALOG NUMBER: NVN-SB5B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7
2.5°	3323.0	3336.2	3352.5	3368.6	3389.4	3410.3	3431.1	3451.9	3475.6	3499.4	3525.7
5°	3126.7	3144.7	3170.6	3196.4	3230.0	3263.4	3300.4	3337.3	3379.0	3420.8	3470.9
7.5°	3008.9	3030.4	3061.0	3091.7	3132.6	3173.6	3220.1	3266.6	3321.7	3376.8	3443.1
10°	2975.0	2998.9	3035.7	3072.4	3118.6	3164.7	3214.8	3264.8	3319.9	3375.0	3445.0
12.5°	3035.8	3066.9	3113.7	3160.6	3208.2	3256.0	3295.2	3334.5	3370.9	3407.5	3464.5
15°	3164.0	3211.1	3277.7	3344.5	3385.9	3427.4	3437.5	3447.8	3442.8	3437.8	3465.1
17.5°	3294.0	3363.4	3451.8	3540.0	3573.4	3606.9	3575.0	3543.0	3483.1	3423.0	3413.0
20°	3375.0	3460.1	3561.0	3661.9	3677.5	3693.0	3626.1	3559.3	3454.9	3350.6	3303.8
22.5°	3380.1	3467.7	3564.1	3660.6	3651.4	3641.9	3555.0	3468.1	3348.9	3229.9	3160.6
25°	3303.4	3381.4	3460.3	3539.3	3507.6	3475.6	3390.0	3304.5	3197.3	3090.3	3010.4
27.5°	3155.6	3216.0	3272.2	3328.6	3292.9	3257.3	3188.8	3120.2	3032.3	2944.3	2867.1
30°	2977.7	3021.0	3064.0	3106.9	3077.9	3049.0	2992.0	2935.1	2862.0	2789.0	2727.6
32.5°	2807.4	2841.9	2881.5	2920.8	2888.7	2856.6	2801.8	2747.3	2688.9	2630.7	2594.4
35°	2662.0	2694.0	2722.0	2750.1	2711.5	2672.9	2618.8	2564.8	2520.5	2476.0	2465.9
37.5°	2538.5	2567.8	2580.7	2593.8	2546.1	2498.4	2444.4	2390.5	2358.7	2326.8	2337.8
40°	2422.8	2447.7	2444.7	2441.5	2386.6	2331.8	2279.7	2227.6	2204.6	2181.6	2206.5
42.5°	2306.1	2327.2	2311.4	2295.5	2236.2	2177.1	2127.6	2078.3	2059.4	2040.7	2073.8
45°	2193.2	2212.2	2189.4	2166.7	2105.2	2043.8	1997.0	1950.2	1934.2	1918.5	1950.6
47.5°	2099.8	2113.0	2086.8	2060.7	2000.1	1939.4	1893.7	1847.9	1833.1	1818.2	1845.2
50°	2034.7	2035.5	2001.9	1968.4	1914.1	1859.9	1816.7	1773.5	1750.2	1727.0	1750.9
52.5°	1991.8	1984.6	1944.8	1905.0	1854.3	1803.8	1764.2	1724.6	1689.8	1655.0	1678.5
55°	1956.0	1946.1	1903.7	1861.6	1817.4	1773.0	1730.3	1687.7	1638.4	1588.9	1626.2
57.5°	1920.8	1910.8	1868.4	1825.8	1781.9	1738.1	1688.0	1637.7	1584.6	1531.5	1586.0
60°	1871.2	1860.3	1817.5	1774.8	1730.2	1685.7	1628.1	1570.6	1524.0	1477.3	1548.2
62.5°	1794.2	1783.5	1744.3	1705.3	1657.7	1610.3	1543.0	1475.9	1446.3	1416.7	1505.0
65°	1689.3	1678.4	1644.0	1609.6	1564.0	1518.6	1446.6	1374.7	1363.4	1352.0	1446.1
67.5°	1570.2	1559.5	1529.8	1500.1	1457.0	1414.0	1347.5	1281.0	1284.6	1288.2	1366.4
70°	1442.7	1432.5	1405.7	1378.8	1341.6	1304.4	1246.0	1187.7	1200.1	1212.5	1268.0
72.5°	1300.3	1288.2	1261.9	1235.5	1201.9	1168.4	1122.5	1076.5	1094.5	1112.7	1150.9
75°	1132.2	1119.6	1095.6	1071.6	1041.2	1010.8	976.6	942.5	959.9	977.3	1006.8
77.5°	970.6	958.7	933.7	908.5	882.2	856.1	828.4	800.5	818.2	835.8	859.4
80°	783.2	767.5	748.5	729.4	707.4	685.3	662.3	639.1	654.1	668.7	688.6
82.5°	569.7	542.9	502.2	461.5	469.1	476.8	478.8	480.7	491.2	501.6	511.3
85°	345.7	312.7	274.4	236.3	257.6	278.9	288.9	298.9	310.6	322.4	332.6
87.5°	150.9	137.5	121.4	105.4	121.8	138.1	138.5	138.9	141.0	143.3	147.4
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: P968409

CATALOG NUMBER: NVN-SB5B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7
2.5°	3552.1	3584.8	3614.2	3644.5	3674.7	3706.4	3738.1	3769.5	3801.1	3830.6	3860.3
5°	3520.8	3577.9	3635.8	3697.1	3758.4	3824.0	3889.7	3954.8	4020.0	4085.5	4150.9
7.5°	3509.5	3583.4	3662.3	3747.9	3833.4	3930.6	4027.6	4127.4	4227.1	4334.9	4443.0
10°	3514.9	3594.5	3691.8	3793.2	3894.3	4012.4	4130.2	4262.0	4393.8	4530.3	4666.8
12.5°	3521.9	3595.8	3698.2	3812.6	3927.1	4066.2	4205.4	4354.6	4504.0	4653.8	4803.9
15°	3492.5	3551.7	3665.1	3797.6	3930.2	4090.4	4250.5	4412.5	4574.5	4730.8	4887.2
17.5°	3403.0	3439.5	3572.8	3732.2	3891.5	4077.6	4263.5	4440.2	4616.9	4775.5	4934.0
20°	3256.9	3266.6	3421.9	3619.4	3816.9	4042.3	4267.6	4461.8	4656.1	4820.9	4985.7
22.5°	3091.3	3072.4	3249.1	3487.0	3724.8	3999.0	4273.1	4491.0	4708.7	4877.3	5045.6
25°	2930.5	2879.5	3060.6	3339.2	3617.8	3956.3	4294.9	4543.9	4792.8	4957.7	5122.7
27.5°	2790.0	2728.0	2893.0	3204.0	3515.2	3927.8	4340.4	4626.5	4912.6	5070.1	5227.4
30°	2666.4	2617.8	2756.2	3091.1	3426.0	3914.4	4402.6	4733.6	5064.6	5216.5	5368.5
32.5°	2558.2	2536.6	2648.1	2993.7	3339.2	3897.9	4456.3	4845.3	5234.3	5384.7	5535.3
35°	2456.0	2464.9	2557.9	2898.0	3238.1	3866.8	4495.8	4972.6	5449.4	5593.6	5737.7
37.5°	2348.8	2381.6	2462.9	2785.3	3107.8	3813.4	4519.1	5115.2	5711.2	5894.9	6078.7
40°	2231.4	2281.8	2355.4	2650.9	2946.4	3740.0	4533.9	5296.2	6058.3	6326.1	6593.8
42.5°	2106.8	2170.1	2238.1	2502.5	2767.0	3664.3	4561.9	5533.0	6504.0	6890.6	7277.1
45°	1982.9	2044.2	2113.0	2345.0	2577.0	3593.9	4611.0	5844.4	7078.0	7599.4	8120.8
47.5°	1872.3	1925.0	2013.8	2220.3	2426.8	3535.7	4644.8	6176.4	7708.2	8442.1	9175.8
50°	1774.8	1836.2	1952.9	2137.5	2322.1	3472.4	4622.8	6484.5	8346.2	9452.6	10558.8
52.5°	1702.2	1787.9	1922.2	2083.0	2243.8	3365.4	4487.0	6684.4	8881.7	10514.0	12146.4
55°	1663.7	1792.7	1917.7	2043.4	2169.2	3188.0	4206.7	6640.4	9073.9	11455.1	13836.5
57.5°	1640.5	1797.5	1907.7	1996.6	2085.5	2937.9	3790.0	6330.2	8870.5	12122.1	15373.7
60°	1618.8	1782.4	1855.1	1925.0	1994.9	2613.0	3231.2	5752.9	8274.6	12288.7	16302.7
62.5°	1593.5	1745.3	1754.2	1800.4	1846.8	2224.2	2601.8	4972.3	7342.9	11586.9	15831.0
65°	1540.0	1655.7	1654.6	1676.5	1698.4	1874.5	2050.7	4175.8	6301.1	10593.9	14886.7
67.5°	1444.6	1509.7	1512.7	1500.6	1488.3	1538.4	1588.4	3395.7	5202.9	9412.3	13621.5
70°	1323.7	1345.1	1345.1	1288.4	1231.7	1217.5	1203.2	2673.6	4144.1	8122.8	12101.6
72.5°	1189.0	1188.7	1175.3	1094.9	1014.4	971.2	928.1	2044.0	3159.9	6724.9	10290.2
75°	1036.1	1041.3	979.1	889.0	798.9	759.8	720.7	1483.5	2246.3	5122.5	7998.8
77.5°	882.9	885.7	783.1	695.6	608.1	581.4	554.8	1005.2	1455.7	3585.3	5715.0
80°	708.3	708.7	586.1	512.1	438.0	427.0	415.9	647.7	879.4	2309.9	3740.4
82.5°	520.9	515.2	410.5	356.0	301.3	299.2	297.2	398.3	499.7	1336.9	2174.3
85°	343.0	335.4	257.6	217.6	177.7	178.8	179.8	213.0	246.3	601.4	956.6
87.5°	151.5	141.9	109.5	93.1	76.9	77.8	78.8	88.3	97.8	197.0	296.1
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: P968409

CATALOG NUMBER: NVN-SB5B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7
2.5°	3874.9	3889.7	3910.5	3931.2	3943.6	3956.0	3962.2	3968.4	3965.6	3968.4	3962.2
5°	4202.0	4253.2	4304.0	4354.8	4382.4	4409.9	4426.6	4443.4	4456.1	4443.4	4426.6
7.5°	4526.2	4609.2	4684.0	4758.8	4803.9	4848.9	4873.3	4897.6	4909.2	4897.6	4873.3
10°	4765.1	4863.5	4951.3	5039.0	5092.1	5145.0	5168.8	5192.2	5201.3	5192.2	5168.8
12.5°	4910.5	5017.0	5096.3	5175.3	5213.9	5252.5	5265.4	5278.3	5279.8	5278.3	5265.4
15°	4979.1	5071.1	5120.8	5170.6	5172.0	5173.4	5159.6	5145.8	5129.6	5145.8	5159.6
17.5°	4996.2	5058.3	5059.2	5060.0	5004.3	4948.5	4897.3	4846.1	4810.0	4846.1	4897.3
20°	5007.3	5029.1	4963.7	4898.2	4775.1	4651.9	4562.3	4472.6	4417.4	4472.6	4562.3
22.5°	5017.2	4988.9	4853.3	4717.8	4536.6	4355.4	4243.4	4131.3	4070.4	4131.3	4243.4
25°	5033.2	4943.7	4737.9	4532.0	4312.1	4092.1	3974.2	3856.6	3799.0	3856.6	3974.2
27.5°	5067.4	4907.2	4634.5	4362.1	4118.2	3874.5	3758.5	3642.6	3588.2	3642.6	3758.5
30°	5129.9	4891.3	4555.7	4220.2	3966.2	3712.2	3604.6	3497.1	3446.4	3497.1	3604.6
32.5°	5208.4	4881.7	4502.0	4122.4	3883.7	3645.0	3560.5	3476.0	3439.5	3476.0	3560.5
35°	5337.7	4937.8	4542.3	4146.8	3981.0	3815.3	3795.6	3775.9	3772.8	3775.9	3795.6
37.5°	5608.1	5137.6	4778.0	4418.6	4407.8	4397.0	4487.1	4577.2	4624.1	4577.2	4487.1
40°	6082.1	5570.4	5303.0	5035.6	5224.3	5413.1	5632.1	5851.1	5960.2	5851.1	5632.1
42.5°	6769.3	6261.6	6107.6	5953.6	6365.1	6776.8	7175.1	7573.4	7807.3	7573.4	7175.1
45°	7664.6	7208.4	7140.6	7072.5	7731.9	8391.4	9045.9	9700.7	10098.1	9700.7	9045.9
47.5°	8732.2	8288.4	8274.6	8260.8	9212.1	10163.1	11121.4	12079.5	12642.1	12079.5	11121.4
50°	10010.8	9462.8	9465.2	9467.4	10693.4	11919.3	13184.2	14449.1	15213.9	14449.1	13184.2
52.5°	11482.7	10819.2	10752.0	10684.8	12149.2	13613.5	15178.6	16743.6	17660.2	16743.6	15178.6
55°	13180.8	12525.1	12263.5	12001.9	13631.8	15261.4	17127.1	18992.9	20083.1	18992.9	17127.1
57.5°	15016.7	14659.4	14134.7	13610.3	15255.9	16901.5	19014.8	21127.9	22479.9	21127.9	19014.8
60°	16857.4	17412.0	16760.5	16108.9	17666.3	19223.7	21486.3	23748.8	25210.0	23748.8	21486.3
62.5°	17346.3	18861.6	18788.2	18714.7	20141.2	21568.0	23720.7	25873.3	27223.8	25873.3	23720.7
65°	16309.0	17731.2	18012.5	18293.9	20106.8	21919.9	24007.3	26094.6	27244.5	26094.6	24007.3
67.5°	14974.2	16326.8	16458.8	16590.6	18479.6	20368.6	22464.9	24561.3	25462.0	24561.3	22464.9
70°	13572.7	15044.1	15103.2	15162.2	16851.5	18540.7	20344.7	22148.6	22649.3	22148.6	20344.7
72.5°	11978.6	13667.0	13709.5	13751.7	15073.3	16395.1	17746.1	19097.2	19147.8	19097.2	17746.1
75°	9746.2	11493.6	11650.6	11807.5	12835.8	13863.9	14815.1	15766.2	15511.4	15766.2	14815.1
77.5°	7346.2	8977.5	9202.0	9426.5	10208.3	10989.9	11664.5	12339.2	11901.2	12339.2	11664.5
80°	5112.8	6485.0	6764.1	7043.2	7633.5	8223.6	8577.9	8932.1	8227.5	8932.1	8577.9
82.5°	3112.5	4050.8	4362.5	4674.4	5080.7	5487.0	5634.8	5782.5	5228.7	5782.5	5634.8
85°	1454.6	1952.5	2217.7	2482.9	2816.7	3150.5	3234.4	3318.2	2874.7	3318.2	3234.4
87.5°	463.5	630.9	778.8	926.7	1093.7	1260.6	1267.8	1274.8	1070.3	1274.8	1267.8
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: P968409

CATALOG NUMBER: NVN-SB5B-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7	3589.7
2.5°	3956.0	3943.6	3931.2	3910.5	3889.7	3874.9	3860.3
5°	4409.9	4382.4	4354.8	4304.0	4253.2	4202.0	4150.9
7.5°	4848.9	4803.9	4758.8	4684.0	4609.2	4526.2	4443.0
10°	5145.0	5092.1	5039.0	4951.3	4863.5	4765.1	4666.8
12.5°	5252.5	5213.9	5175.3	5096.3	5017.0	4910.5	4803.9
15°	5173.4	5172.0	5170.6	5120.8	5071.1	4979.1	4887.2
17.5°	4948.5	5004.3	5060.0	5059.2	5058.3	4996.2	4934.0
20°	4651.9	4775.1	4898.2	4963.7	5029.1	5007.3	4985.7
22.5°	4355.4	4536.6	4717.8	4853.3	4988.9	5017.2	5045.6
25°	4092.1	4312.1	4532.0	4737.9	4943.7	5033.2	5122.7
27.5°	3874.5	4118.2	4362.1	4634.5	4907.2	5067.4	5227.4
30°	3712.2	3966.2	4220.2	4555.7	4891.3	5129.9	5368.5
32.5°	3645.0	3883.7	4122.4	4502.0	4881.7	5208.4	5535.3
35°	3815.3	3981.0	4146.8	4542.3	4937.8	5337.7	5737.7
37.5°	4397.0	4407.8	4418.6	4778.0	5137.6	5608.1	6078.7
40°	5413.1	5224.3	5035.6	5303.0	5570.4	6082.1	6593.8
42.5°	6776.8	6365.1	5953.6	6107.6	6261.6	6769.3	7277.1
45°	8391.4	7731.9	7072.5	7140.6	7208.4	7664.6	8120.8
47.5°	10163.1	9212.1	8260.8	8274.6	8288.4	8732.2	9175.8
50°	11919.3	10693.4	9467.4	9465.2	9462.8	10010.8	10558.8
52.5°	13613.5	12149.2	10684.8	10752.0	10819.2	11482.7	12146.4
55°	15261.4	13631.8	12001.9	12263.5	12525.1	13180.8	13836.5
57.5°	16901.5	15255.9	13610.3	14134.7	14659.4	15016.7	15373.7
60°	19223.7	17666.3	16108.9	16760.5	17412.0	16857.4	16302.7
62.5°	21568.0	20141.2	18714.7	18788.2	18861.6	17346.3	15831.0
65°	21919.9	20106.8	18293.9	18012.5	17731.2	16309.0	14886.7
67.5°	20368.6	18479.6	16590.6	16458.8	16326.8	14974.2	13621.5
70°	18540.7	16851.5	15162.2	15103.2	15044.1	13572.7	12101.6
72.5°	16395.1	15073.3	13751.7	13709.5	13667.0	11978.6	10290.2
75°	13863.9	12835.8	11807.5	11650.6	11493.6	9746.2	7998.8
77.5°	10989.9	10208.3	9426.5	9202.0	8977.5	7346.2	5715.0
80°	8223.6	7633.5	7043.2	6764.1	6485.0	5112.8	3740.4
82.5°	5487.0	5080.7	4674.4	4362.5	4050.8	3112.5	2174.3
85°	3150.5	2816.7	2482.9	2217.7	1952.5	1454.6	956.6
87.5°	1260.6	1093.7	926.7	778.8	630.9	463.5	296.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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