

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: LUMARK

Report Number: P962393

Luminaire Tested: **NAV-SB2C-727-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962393
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: LUMARK
Catalog Number: NAV-SB2C-727-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14188 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

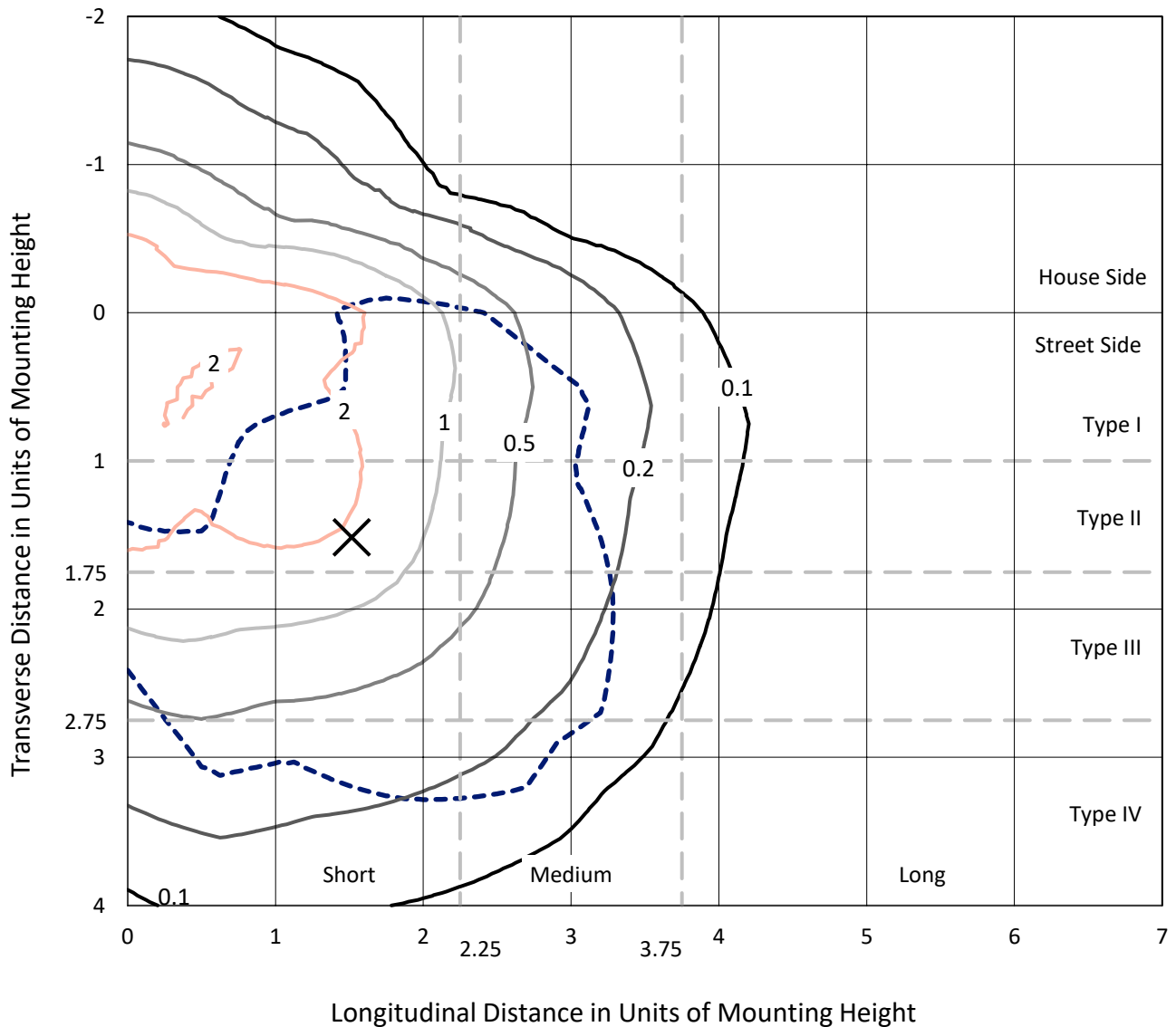
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

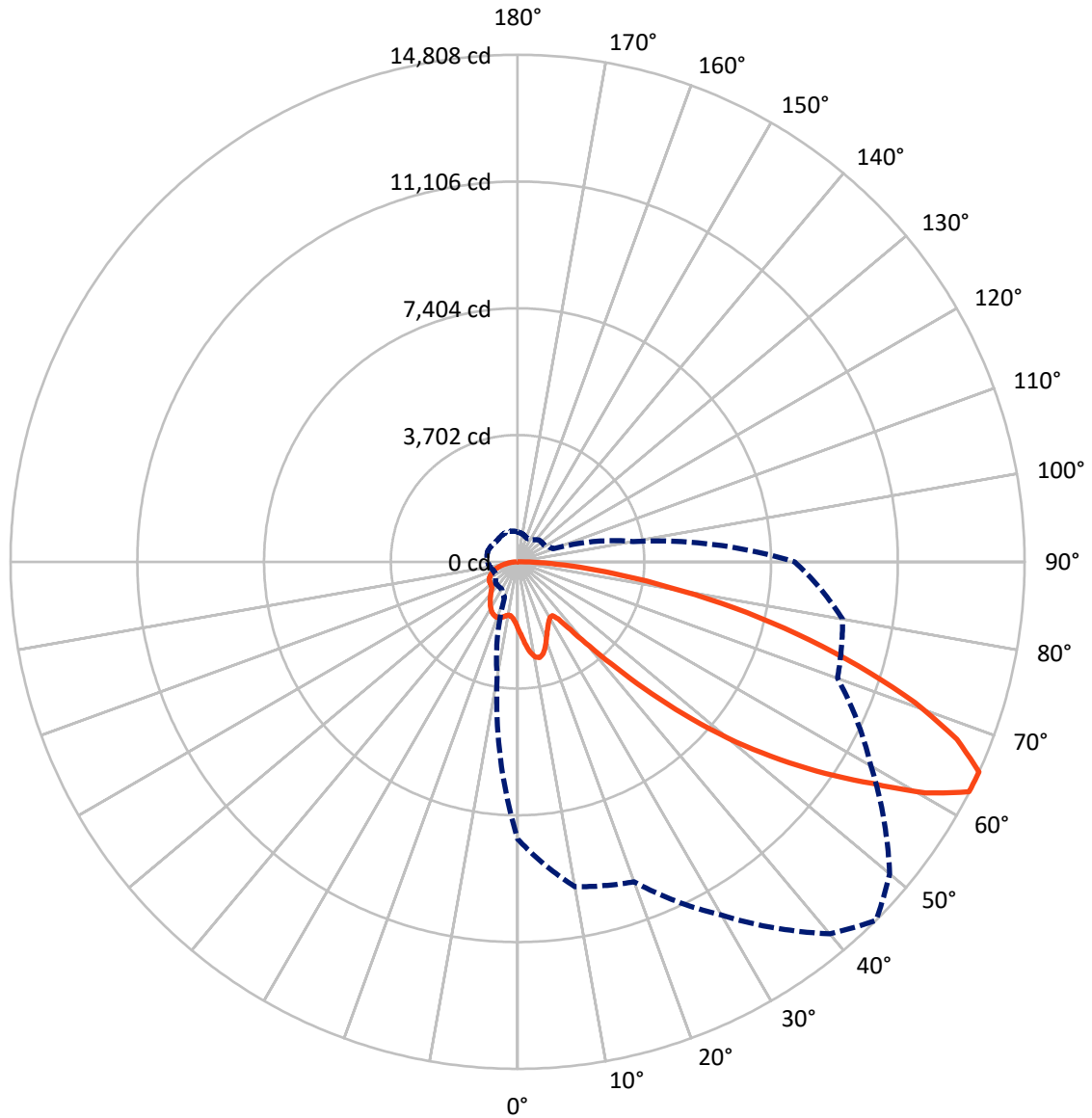
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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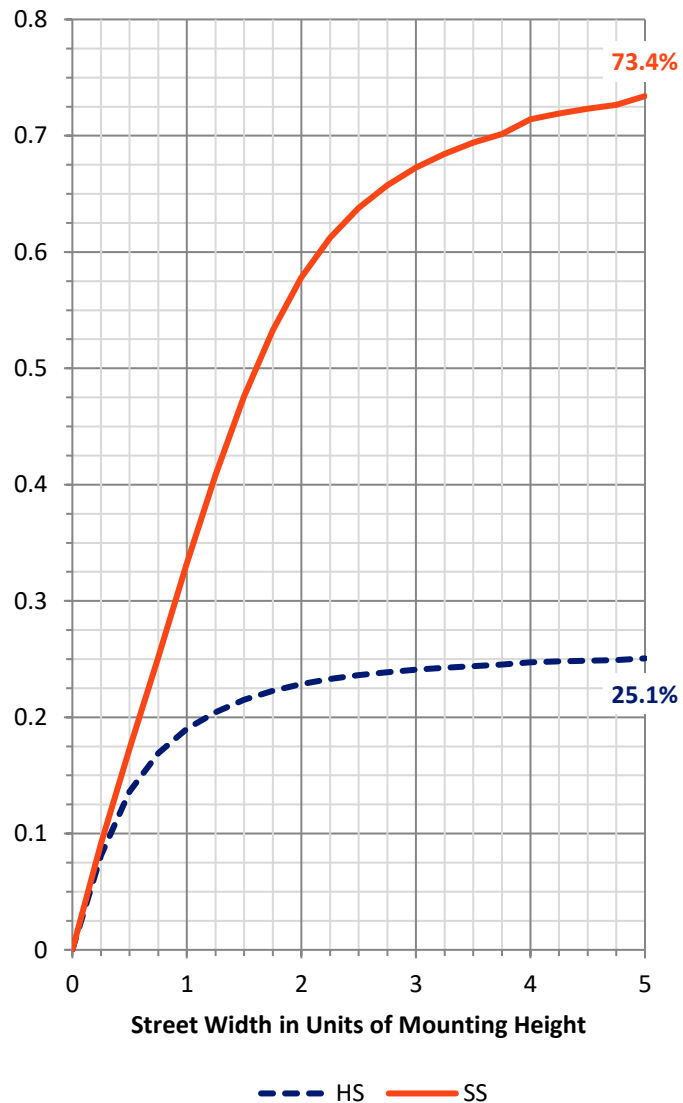
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3605.9	0.0	3605.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10582.2	0.0	10582.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	14188.0	0.0	14188.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	1.4
10°-20°	607.5	4.3
20°-30°	938.5	6.6
30°-40°	1189.3	8.4
40°-50°	1793.7	12.6
50°-60°	2898.0	20.4
60°-70°	3612.8	25.5
70°-80°	2369.1	16.7
80°-90°	585.7	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°	14188.0	100.0
0°-180°	14188.0	100.0

Coefficient of Utilization



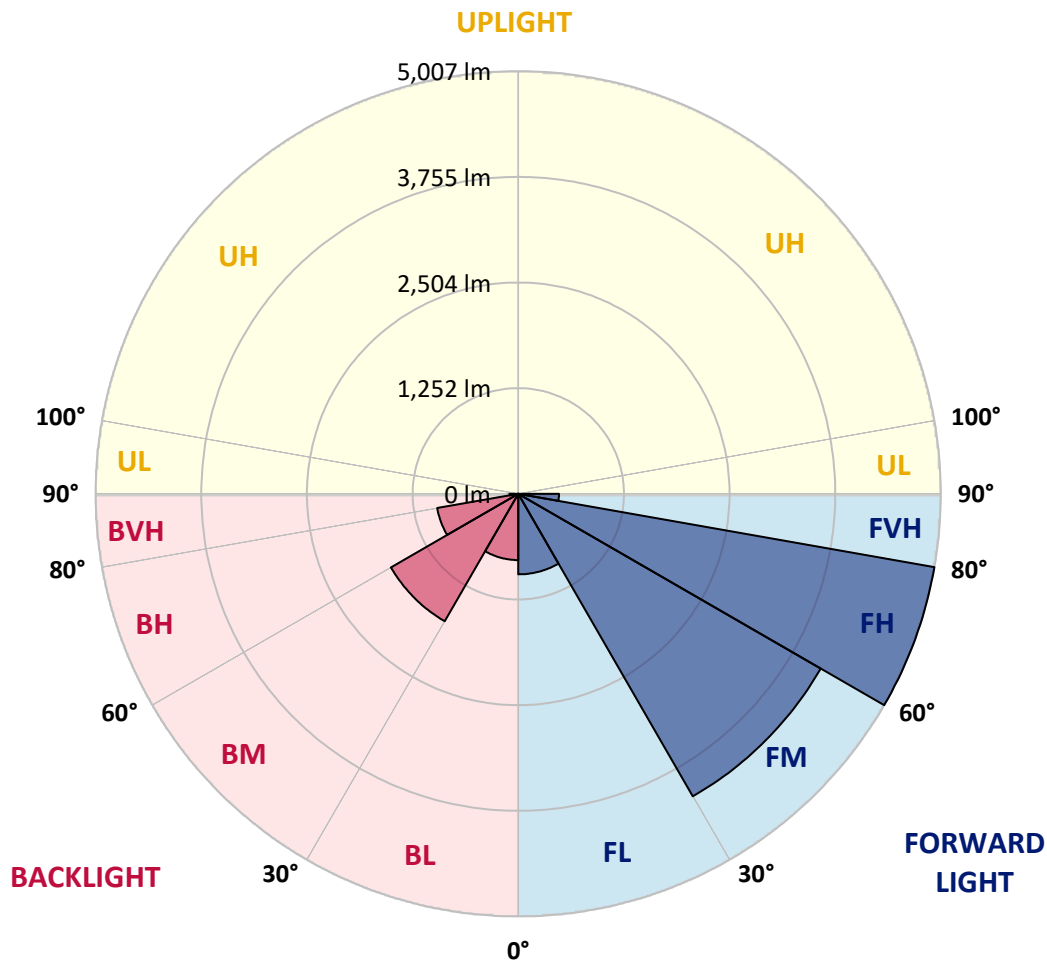
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	954.3	6.7			
FM (30°-60°)	4138.3	29.2			
FH (60°-80°)	5007.0	35.3			G3/7500
FVH (80°-90°)	482.5	3.4			G3/500
BL (0°-30°)	785.2	5.5	B2/1000		
BM (30°-60°)	1742.6	12.3	B2/2500		
BH (60°-80°)	974.9	6.9	B2/1000		G2/1000
BVH (80°-90°)	103.2	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	2098.1	2106.1	2114.1	2125.3	2136.6	2143.4	2150.1	2153.5	2156.9	2155.4	2156.9
5°	2256.0	2283.8	2311.7	2339.3	2366.8	2381.8	2396.8	2405.9	2415.0	2421.9	2415.0
7.5°	2414.8	2460.0	2505.1	2545.8	2586.4	2610.9	2635.4	2648.6	2661.8	2668.2	2661.8
10°	2536.5	2589.9	2643.4	2691.0	2738.7	2767.6	2796.3	2809.2	2822.0	2826.8	2822.0
12.5°	2610.9	2668.9	2726.7	2769.9	2812.8	2833.8	2854.7	2861.8	2868.9	2869.6	2868.9
15°	2656.2	2706.2	2756.1	2783.2	2810.2	2811.1	2811.8	2804.3	2796.8	2788.0	2796.8
17.5°	2681.7	2715.4	2749.2	2749.7	2750.2	2719.8	2689.5	2661.7	2633.9	2614.3	2633.9
20°	2709.7	2721.5	2733.4	2697.8	2662.2	2595.3	2528.4	2479.6	2430.9	2401.0	2430.9
22.5°	2742.3	2726.9	2711.4	2637.8	2564.1	2465.6	2367.2	2306.2	2245.4	2212.3	2245.4
25°	2784.2	2735.5	2686.9	2575.0	2463.2	2343.7	2224.0	2160.0	2096.0	2064.8	2096.0
27.5°	2841.1	2754.2	2667.0	2518.9	2370.8	2238.3	2105.8	2042.7	1979.8	1950.3	1979.8
30°	2917.9	2788.1	2658.4	2476.1	2293.7	2155.7	2017.6	1959.2	1900.7	1873.1	1900.7
32.5°	3008.5	2830.7	2653.2	2446.9	2240.5	2110.8	1981.1	1935.2	1889.2	1869.4	1889.2
35°	3118.5	2901.1	2683.8	2468.7	2253.8	2163.7	2073.6	2062.9	2052.2	2050.5	2052.2
37.5°	3303.8	3048.0	2792.3	2596.9	2401.5	2395.6	2389.8	2438.8	2487.8	2513.2	2487.8
40°	3583.8	3305.6	3027.5	2882.2	2737.0	2839.5	2942.1	3061.1	3180.1	3239.4	3180.1
42.5°	3955.1	3679.1	3403.2	3319.5	3235.8	3459.5	3683.2	3899.7	4116.2	4243.3	4116.2
45°	4413.6	4165.8	3917.9	3881.0	3844.0	4202.3	4560.7	4916.5	5272.4	5488.4	5272.4
47.5°	4987.1	4746.0	4504.8	4497.3	4489.8	5006.8	5523.7	6044.5	6565.2	6871.1	6565.2
50°	5738.8	5440.9	5143.0	5144.4	5145.6	5812.0	6478.2	7165.7	7853.1	8268.8	7853.1
52.5°	6601.6	6240.9	5880.2	5843.8	5807.2	6603.2	7399.1	8249.7	9100.2	9598.4	9100.2
55°	7520.2	7163.8	6807.4	6665.3	6523.1	7408.9	8294.6	9308.7	10322.8	10915.3	10322.8
57.5°	8355.7	8161.7	7967.5	7682.4	7397.2	8291.6	9186.0	10334.7	11483.2	12218.0	11483.2
60°	8860.6	9162.1	9463.5	9109.4	8755.3	9601.7	10448.1	11677.8	12907.6	13701.8	12907.6
62.5°	8604.3	9427.8	10251.4	10211.5	10171.5	10946.9	11722.3	12892.3	14062.3	14796.3	14062.3
65°	8091.0	8864.0	9636.9	9790.0	9942.8	10928.1	11913.6	13048.1	14182.5	14807.6	14182.5
67.5°	7403.4	8138.6	8873.7	8945.5	9017.1	10043.8	11070.4	12209.8	13349.2	13838.7	13349.2
70°	6577.2	7376.9	8176.6	8208.6	8240.8	9158.9	10077.0	11057.5	12037.9	12310.0	12037.9
72.5°	5592.8	6510.4	7428.1	7451.1	7474.1	8192.4	8910.8	9645.1	10379.5	10406.9	10379.5
75°	4347.4	5297.1	6246.9	6332.1	6417.4	6976.3	7535.2	8052.1	8569.0	8430.5	8569.0
77.5°	3106.2	3992.7	4879.3	5001.4	5123.4	5548.2	5973.1	6339.7	6706.4	6468.4	6706.4
80°	2033.0	2778.9	3524.7	3676.3	3828.0	4148.9	4469.6	4662.1	4854.6	4471.7	4854.6
82.5°	1181.7	1691.7	2201.6	2371.0	2540.6	2761.4	2982.2	3062.6	3142.9	2841.9	3142.9
85°	520.0	790.6	1061.2	1205.3	1349.4	1530.9	1712.3	1757.9	1803.5	1562.4	1803.5
87.5°	160.9	251.9	342.9	423.3	503.7	594.4	685.2	689.1	692.9	581.7	692.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	2153.5	2150.1	2143.4	2136.6	2125.3	2114.1	2106.1	2098.1	2082.0	2065.9	2048.8
5°	2405.9	2396.8	2381.8	2366.8	2339.3	2311.7	2283.8	2256.0	2220.5	2184.9	2149.4
7.5°	2648.6	2635.4	2610.9	2586.4	2545.8	2505.1	2460.0	2414.8	2356.1	2297.4	2243.2
10°	2809.2	2796.3	2767.6	2738.7	2691.0	2643.4	2589.9	2536.5	2462.3	2388.0	2316.4
12.5°	2861.8	2854.7	2833.8	2812.8	2769.9	2726.7	2668.9	2610.9	2529.4	2447.9	2366.8
15°	2804.3	2811.8	2811.1	2810.2	2783.2	2756.1	2706.2	2656.2	2571.2	2486.2	2398.2
17.5°	2661.7	2689.5	2719.8	2750.2	2749.7	2749.2	2715.4	2681.7	2595.5	2509.3	2413.3
20°	2479.6	2528.4	2595.3	2662.2	2697.8	2733.4	2721.5	2709.7	2620.2	2530.6	2425.0
22.5°	2306.2	2367.2	2465.6	2564.1	2637.8	2711.4	2726.9	2742.3	2650.9	2559.2	2440.9
25°	2160.0	2224.0	2343.7	2463.2	2575.0	2686.9	2735.5	2784.2	2694.5	2604.9	2469.6
27.5°	2042.7	2105.8	2238.3	2370.8	2518.9	2667.0	2754.2	2841.1	2755.6	2670.0	2514.5
30°	1959.2	2017.6	2155.7	2293.7	2476.1	2658.4	2788.1	2917.9	2835.3	2752.6	2572.8
32.5°	1935.2	1981.1	2110.8	2240.5	2446.9	2653.2	2830.7	3008.5	2926.6	2844.9	2633.4
35°	2062.9	2073.6	2163.7	2253.8	2468.7	2683.8	2901.1	3118.5	3040.1	2961.8	2702.6
37.5°	2438.8	2389.8	2395.6	2401.5	2596.9	2792.3	3048.0	3303.8	3203.9	3104.0	2780.1
40°	3061.1	2942.1	2839.5	2737.0	2882.2	3027.5	3305.6	3583.8	3438.3	3292.7	2878.5
42.5°	3899.7	3683.2	3459.5	3235.8	3319.5	3403.2	3679.1	3955.1	3745.0	3535.0	3007.1
45°	4916.5	4560.7	4202.3	3844.0	3881.0	3917.9	4165.8	4413.6	4130.3	3846.9	3176.5
47.5°	6044.5	5523.7	5006.8	4489.8	4497.3	4504.8	4746.0	4987.1	4588.3	4189.5	3357.0
50°	7165.7	6478.2	5812.0	5145.6	5144.4	5143.0	5440.9	5738.8	5137.5	4536.2	3524.4
52.5°	8249.7	7399.1	6603.2	5807.2	5843.8	5880.2	6240.9	6601.6	5714.5	4827.2	3633.0
55°	9308.7	8294.6	7408.9	6523.1	6665.3	6807.4	7163.8	7520.2	6226.0	4931.7	3609.1
57.5°	10334.7	9186.0	8291.6	7397.2	7682.4	7967.5	8161.7	8355.7	6588.4	4821.2	3440.5
60°	11677.8	10448.1	9601.7	8755.3	9109.4	9463.5	9162.1	8860.6	6679.0	4497.3	3126.8
62.5°	12892.3	11722.3	10946.9	10171.5	10211.5	10251.4	9427.8	8604.3	6297.6	3990.9	2702.5
65°	13048.1	11913.6	10928.1	9942.8	9790.0	9636.9	8864.0	8091.0	5757.8	3424.7	2269.6
67.5°	12209.8	11070.4	10043.8	9017.1	8945.5	8873.7	8138.6	7403.4	5115.6	2827.8	1845.6
70°	11057.5	10077.0	9158.9	8240.8	8208.6	8176.6	7376.9	6577.2	4414.8	2252.3	1453.1
72.5°	9645.1	8910.8	8192.4	7474.1	7451.1	7428.1	6510.4	5592.8	3655.0	1717.4	1110.9
75°	8052.1	7535.2	6976.3	6417.4	6332.1	6246.9	5297.1	4347.4	2784.1	1220.9	806.3
77.5°	6339.7	5973.1	5548.2	5123.4	5001.4	4879.3	3992.7	3106.2	1948.6	791.2	546.3
80°	4662.1	4469.6	4148.9	3828.0	3676.3	3524.7	2778.9	2033.0	1255.5	478.1	352.0
82.5°	3062.6	2982.2	2761.4	2540.6	2371.0	2201.6	1691.7	1181.7	726.6	271.6	216.5
85°	1757.9	1712.3	1530.9	1349.4	1205.3	1061.2	790.6	520.0	326.9	133.9	115.7
87.5°	689.1	685.2	594.4	503.7	423.3	342.9	251.9	160.9	107.0	53.2	48.0
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°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	2031.7	2014.4	1997.2	1980.8	1964.3	1948.3	1930.6	1916.2	1902.0	1889.0	1876.2
5°	2114.1	2078.3	2042.7	2009.4	1976.1	1944.6	1913.6	1886.4	1859.2	1836.5	1813.8
7.5°	2189.1	2136.3	2083.5	2037.0	1990.5	1947.6	1907.4	1871.3	1835.3	1805.3	1775.4
10°	2244.9	2180.8	2116.6	2061.6	2006.5	1953.6	1910.4	1872.4	1834.3	1804.4	1774.5
12.5°	2285.6	2210.0	2134.4	2072.1	2009.9	1954.4	1914.2	1883.0	1852.0	1832.1	1812.3
15°	2310.1	2223.1	2136.0	2064.0	1992.0	1930.4	1898.2	1883.3	1868.5	1871.1	1873.9
17.5°	2317.2	2216.2	2115.1	2028.5	1941.9	1869.4	1849.5	1855.0	1860.4	1893.1	1925.7
20°	2319.5	2197.0	2074.5	1967.2	1859.8	1775.4	1770.2	1795.6	1821.1	1877.8	1934.5
22.5°	2322.4	2173.5	2024.5	1895.2	1765.9	1669.8	1680.1	1717.8	1755.4	1820.1	1885.0
25°	2334.3	2150.2	1966.4	1814.9	1663.5	1565.1	1592.7	1636.2	1679.6	1737.8	1796.0
27.5°	2359.0	2134.8	1910.6	1741.5	1572.4	1482.7	1516.4	1558.3	1600.2	1648.1	1695.9
30°	2392.9	2127.5	1862.0	1680.1	1498.0	1422.8	1449.2	1482.5	1515.9	1555.5	1595.2
32.5°	2422.1	2118.6	1814.9	1627.1	1439.3	1378.6	1390.4	1410.1	1429.8	1461.4	1493.2
35°	2443.4	2101.6	1759.9	1575.1	1390.2	1339.7	1334.9	1340.2	1345.7	1369.9	1394.0
37.5°	2456.2	2072.7	1689.1	1513.8	1338.5	1294.4	1276.6	1270.6	1264.6	1282.0	1299.3
40°	2464.2	2032.8	1601.4	1440.7	1280.2	1240.1	1212.8	1199.2	1185.7	1198.2	1210.7
42.5°	2479.4	1991.6	1503.9	1360.2	1216.4	1179.5	1145.0	1127.1	1109.2	1119.3	1129.6
45°	2506.1	1953.3	1400.6	1274.5	1148.4	1111.0	1077.7	1060.2	1042.7	1051.2	1060.0
47.5°	2524.5	1921.7	1319.0	1206.7	1094.5	1046.2	1017.5	1002.9	988.2	996.3	1004.3
50°	2512.5	1887.2	1262.1	1161.7	1061.4	997.9	964.6	951.6	938.7	951.2	963.9
52.5°	2438.7	1829.1	1219.5	1132.1	1044.8	971.7	925.2	912.4	899.5	918.4	937.3
55°	2286.4	1732.7	1179.0	1110.6	1042.2	974.4	904.3	883.9	863.6	890.4	917.3
57.5°	2059.9	1596.7	1133.4	1085.2	1036.9	977.0	891.6	862.0	832.3	861.2	890.1
60°	1756.1	1420.1	1084.1	1046.2	1008.3	968.7	879.9	841.4	802.9	828.3	853.6
62.5°	1414.1	1208.9	1003.8	978.6	953.5	948.5	866.0	817.9	770.0	786.1	802.2
65°	1114.6	1018.8	923.1	911.2	899.2	899.8	837.0	786.0	734.8	741.0	747.1
67.5°	863.4	836.2	808.9	815.6	822.2	820.5	785.2	742.6	700.2	698.2	696.3
70°	653.9	661.7	669.4	700.3	731.0	731.0	719.4	689.2	659.0	652.2	645.4
72.5°	504.4	527.9	551.3	595.1	638.8	646.1	646.3	625.5	604.8	594.9	585.1
75°	391.7	413.0	434.2	483.2	532.2	566.0	563.1	547.1	531.2	521.7	512.2
77.5°	301.6	316.0	330.6	378.0	425.6	481.3	479.9	467.1	454.3	444.7	435.1
80°	226.1	232.1	238.1	278.4	318.6	385.2	385.0	374.2	363.5	355.5	347.4
82.5°	161.5	162.6	163.8	193.4	223.1	280.0	283.1	277.9	272.6	267.0	261.3
85°	97.7	97.2	96.6	118.3	140.0	182.2	186.4	180.8	175.2	168.8	162.5
87.5°	42.8	42.3	41.8	50.6	59.6	77.1	82.3	80.2	77.9	76.7	75.4
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: P962393
 CATALOG NUMBER: NAV-SB2C-727-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	1864.8	1853.5	1842.1	1830.9	1822.0	1813.2	1806.2	1799.0	1793.4	1787.9	1782.8
5°	1793.7	1773.7	1755.5	1737.3	1723.2	1709.2	1699.3	1689.5	1682.5	1675.7	1670.3
7.5°	1750.2	1724.9	1702.6	1680.4	1663.7	1647.1	1635.4	1623.7	1615.7	1607.7	1602.9
10°	1747.3	1720.1	1694.9	1669.8	1649.9	1630.0	1616.9	1603.7	1596.2	1588.6	1584.5
12.5°	1790.9	1769.7	1743.6	1717.8	1692.3	1666.9	1650.0	1633.1	1624.7	1616.3	1612.9
15°	1868.4	1862.8	1840.3	1817.7	1781.4	1745.3	1719.6	1694.0	1682.3	1670.6	1666.1
17.5°	1943.1	1960.3	1942.2	1924.0	1876.1	1828.1	1790.4	1752.5	1735.2	1717.8	1712.1
20°	1970.8	2007.2	1998.7	1990.2	1935.4	1880.6	1834.3	1788.1	1765.9	1743.6	1736.5
22.5°	1932.2	1979.4	1984.5	1989.5	1937.1	1884.8	1837.1	1789.4	1766.0	1742.5	1734.6
25°	1842.5	1889.0	1906.4	1923.6	1880.7	1837.8	1795.4	1753.2	1732.9	1712.6	1705.1
27.5°	1733.2	1770.4	1789.8	1809.1	1778.5	1747.9	1715.0	1682.2	1668.6	1654.9	1651.5
30°	1626.2	1657.1	1672.9	1688.6	1665.3	1641.9	1618.5	1594.8	1587.8	1580.8	1580.8
32.5°	1522.8	1552.6	1570.0	1587.5	1566.1	1544.6	1525.8	1507.1	1502.4	1497.9	1498.4
35°	1423.3	1452.7	1473.7	1494.7	1479.4	1464.2	1446.9	1429.6	1422.6	1415.7	1414.2
37.5°	1328.5	1357.9	1383.9	1409.7	1402.7	1395.6	1379.6	1363.7	1351.1	1338.4	1331.8
40°	1239.0	1267.3	1297.1	1327.0	1328.7	1330.3	1316.8	1303.3	1284.8	1266.6	1254.1
42.5°	1156.4	1183.3	1215.4	1247.6	1256.2	1264.8	1253.4	1242.0	1219.1	1196.4	1178.3
45°	1085.4	1110.9	1144.2	1177.6	1190.0	1202.3	1192.0	1181.7	1155.6	1129.6	1108.3
47.5°	1029.2	1054.1	1087.0	1120.0	1134.2	1148.4	1141.2	1134.1	1110.9	1087.6	1068.0
50°	987.4	1010.9	1040.3	1069.8	1088.0	1106.4	1105.9	1105.6	1087.0	1068.5	1050.3
52.5°	958.9	980.3	1007.8	1035.4	1057.0	1078.6	1082.5	1086.4	1071.3	1056.2	1040.0
55°	940.4	963.7	987.8	1011.8	1034.7	1057.7	1063.1	1068.5	1055.3	1042.1	1027.9
57.5°	917.4	944.6	968.4	992.3	1015.5	1038.5	1044.0	1049.5	1036.2	1022.8	1008.7
60°	884.9	916.2	940.3	964.6	987.8	1011.1	1017.0	1023.1	1010.0	997.0	982.6
62.5°	838.7	875.1	901.0	926.8	948.1	969.3	975.1	980.9	969.1	957.4	942.1
65°	786.3	825.4	850.1	874.8	893.5	912.2	918.1	923.9	912.7	901.4	886.5
67.5°	732.4	768.4	791.9	815.3	831.5	847.6	853.4	859.1	848.7	838.3	824.6
70°	677.2	709.0	729.2	749.4	764.0	778.6	784.1	789.7	781.3	772.7	759.6
72.5°	610.1	635.0	653.2	671.6	685.8	700.2	706.7	713.3	706.2	699.3	686.6
75°	530.7	549.4	565.9	582.4	595.5	608.5	615.4	622.3	618.8	615.4	604.9
77.5°	450.3	465.2	479.5	493.7	507.5	521.1	527.5	533.9	529.1	524.2	513.5
80°	360.0	372.5	384.5	396.4	406.8	417.2	425.7	434.2	432.1	430.1	415.8
82.5°	260.2	259.2	255.0	250.8	273.0	295.1	309.7	324.2	323.3	322.3	310.3
85°	157.0	151.6	140.0	128.4	149.1	169.9	187.9	205.9	204.4	202.8	193.4
87.5°	75.2	75.0	66.2	57.3	65.9	74.7	82.0	89.3	87.4	85.5	80.7
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: P962393
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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	1777.7	1771.3	1777.7	1782.8	1787.9	1793.4	1799.0	1806.2	1813.2	1822.0	1830.9
5°	1665.0	1659.8	1665.0	1670.3	1675.7	1682.5	1689.5	1699.3	1709.2	1723.2	1737.3
7.5°	1598.2	1594.6	1598.2	1602.9	1607.7	1615.7	1623.7	1635.4	1647.1	1663.7	1680.4
10°	1580.6	1578.9	1580.6	1584.5	1588.6	1596.2	1603.7	1616.9	1630.0	1649.9	1669.8
12.5°	1609.5	1608.8	1609.5	1612.9	1616.3	1624.7	1633.1	1650.0	1666.9	1692.3	1717.8
15°	1661.6	1661.2	1661.6	1666.1	1670.6	1682.3	1694.0	1719.6	1745.3	1781.4	1817.7
17.5°	1706.3	1705.4	1706.3	1712.1	1717.8	1735.2	1752.5	1790.4	1828.1	1876.1	1924.0
20°	1729.4	1727.1	1729.4	1736.5	1743.6	1765.9	1788.1	1834.3	1880.6	1935.4	1990.2
22.5°	1726.7	1723.4	1726.7	1734.6	1742.5	1766.0	1789.4	1837.1	1884.8	1937.1	1989.5
25°	1697.8	1693.4	1697.8	1705.1	1712.6	1732.9	1753.2	1795.4	1837.8	1880.7	1923.6
27.5°	1648.2	1647.1	1648.2	1651.5	1654.9	1668.6	1682.2	1715.0	1747.9	1778.5	1809.1
30°	1580.8	1581.9	1580.8	1580.8	1580.8	1587.8	1594.8	1618.5	1641.9	1665.3	1688.6
32.5°	1499.2	1500.3	1499.2	1498.4	1497.9	1502.4	1507.1	1525.8	1544.6	1566.1	1587.5
35°	1412.7	1411.9	1412.7	1414.2	1415.7	1422.6	1429.6	1446.9	1464.2	1479.4	1494.7
37.5°	1325.1	1321.3	1325.1	1331.8	1338.4	1351.1	1363.7	1379.6	1395.6	1402.7	1409.7
40°	1241.9	1234.5	1241.9	1254.1	1266.6	1284.8	1303.3	1316.8	1330.3	1328.7	1327.0
42.5°	1160.3	1148.4	1160.3	1178.3	1196.4	1219.1	1242.0	1253.4	1264.8	1256.2	1247.6
45°	1087.2	1073.6	1087.2	1108.3	1129.6	1155.6	1181.7	1192.0	1202.3	1190.0	1177.6
47.5°	1048.5	1035.4	1048.5	1068.0	1087.6	1110.9	1134.1	1141.2	1148.4	1134.2	1120.0
50°	1032.3	1019.7	1032.3	1050.3	1068.5	1087.0	1105.6	1105.9	1106.4	1088.0	1069.8
52.5°	1023.8	1012.2	1023.8	1040.0	1056.2	1071.3	1086.4	1082.5	1078.6	1057.0	1035.4
55°	1013.6	1003.2	1013.6	1027.9	1042.1	1055.3	1068.5	1063.1	1057.7	1034.7	1011.8
57.5°	994.6	983.7	994.6	1008.7	1022.8	1036.2	1049.5	1044.0	1038.5	1015.5	992.3
60°	968.0	956.7	968.0	982.6	997.0	1010.0	1023.1	1017.0	1011.1	987.8	964.6
62.5°	926.8	913.4	926.8	942.1	957.4	969.1	980.9	975.1	969.3	948.1	926.8
65°	871.8	860.2	871.8	886.5	901.4	912.7	923.9	918.1	912.2	893.5	874.8
67.5°	810.8	800.3	810.8	824.6	838.3	848.7	859.1	853.4	847.6	831.5	815.3
70°	746.4	734.4	746.4	759.6	772.7	781.3	789.7	784.1	778.6	764.0	749.4
72.5°	674.1	662.6	674.1	686.6	699.3	706.2	713.3	706.7	700.2	685.8	671.6
75°	594.3	583.2	594.3	604.9	615.4	618.8	622.3	615.4	608.5	595.5	582.4
77.5°	503.0	494.2	503.0	513.5	524.2	529.1	533.9	527.5	521.1	507.5	493.7
80°	401.4	384.8	401.4	415.8	430.1	432.1	434.2	425.7	417.2	406.8	396.4
82.5°	298.1	287.5	298.1	310.3	322.3	323.3	324.2	309.7	295.1	273.0	250.8
85°	184.0	174.5	184.0	193.4	202.8	204.4	205.9	187.9	169.9	149.1	128.4
87.5°	75.7	71.1	75.7	80.7	85.5	87.4	89.3	82.0	74.7	65.9	57.3
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: P962393
 CATALOG NUMBER: NAV-SB2C-727-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	1842.1	1853.5	1864.8	1876.2	1889.0	1902.0	1916.2	1930.6	1948.3	1964.3	1980.8
5°	1755.5	1773.7	1793.7	1813.8	1836.5	1859.2	1886.4	1913.6	1944.6	1976.1	2009.4
7.5°	1702.6	1724.9	1750.2	1775.4	1805.3	1835.3	1871.3	1907.4	1947.6	1990.5	2037.0
10°	1694.9	1720.1	1747.3	1774.5	1804.4	1834.3	1872.4	1910.4	1953.6	2006.5	2061.6
12.5°	1743.6	1769.7	1790.9	1812.3	1832.1	1852.0	1883.0	1914.2	1954.4	2009.9	2072.1
15°	1840.3	1862.8	1868.4	1873.9	1871.1	1868.5	1883.3	1898.2	1930.4	1992.0	2064.0
17.5°	1942.2	1960.3	1943.1	1925.7	1893.1	1860.4	1855.0	1849.5	1869.4	1941.9	2028.5
20°	1998.7	2007.2	1970.8	1934.5	1877.8	1821.1	1795.6	1770.2	1775.4	1859.8	1967.2
22.5°	1984.5	1979.4	1932.2	1885.0	1820.1	1755.4	1717.8	1680.1	1669.8	1765.9	1895.2
25°	1906.4	1889.0	1842.5	1796.0	1737.8	1679.6	1636.2	1592.7	1565.1	1663.5	1814.9
27.5°	1789.8	1770.4	1733.2	1695.9	1648.1	1600.2	1558.3	1516.4	1482.7	1572.4	1741.5
30°	1672.9	1657.1	1626.2	1595.2	1555.5	1515.9	1482.5	1449.2	1422.8	1498.0	1680.1
32.5°	1570.0	1552.6	1522.8	1493.2	1461.4	1429.8	1410.1	1390.4	1378.6	1439.3	1627.1
35°	1473.7	1452.7	1423.3	1394.0	1369.9	1345.7	1340.2	1334.9	1339.7	1390.2	1575.1
37.5°	1383.9	1357.9	1328.5	1299.3	1282.0	1264.6	1270.6	1276.6	1294.4	1338.5	1513.8
40°	1297.1	1267.3	1239.0	1210.7	1198.2	1185.7	1199.2	1212.8	1240.1	1280.2	1440.7
42.5°	1215.4	1183.3	1156.4	1129.6	1119.3	1109.2	1127.1	1145.0	1179.5	1216.4	1360.2
45°	1144.2	1110.9	1085.4	1060.0	1051.2	1042.7	1060.2	1077.7	1111.0	1148.4	1274.5
47.5°	1087.0	1054.1	1029.2	1004.3	996.3	988.2	1002.9	1017.5	1046.2	1094.5	1206.7
50°	1040.3	1010.9	987.4	963.9	951.2	938.7	951.6	964.6	997.9	1061.4	1161.7
52.5°	1007.8	980.3	958.9	937.3	918.4	899.5	912.4	925.2	971.7	1044.8	1132.1
55°	987.8	963.7	940.4	917.3	890.4	863.6	883.9	904.3	974.4	1042.2	1110.6
57.5°	968.4	944.6	917.4	890.1	861.2	832.3	862.0	891.6	977.0	1036.9	1085.2
60°	940.3	916.2	884.9	853.6	828.3	802.9	841.4	879.9	968.7	1008.3	1046.2
62.5°	901.0	875.1	838.7	802.2	786.1	770.0	817.9	866.0	948.5	953.5	978.6
65°	850.1	825.4	786.3	747.1	741.0	734.8	786.0	837.0	899.8	899.2	911.2
67.5°	791.9	768.4	732.4	696.3	698.2	700.2	742.6	785.2	820.5	822.2	815.6
70°	729.2	709.0	677.2	645.4	652.2	659.0	689.2	719.4	731.0	731.0	700.3
72.5°	653.2	635.0	610.1	585.1	594.9	604.8	625.5	646.3	646.1	638.8	595.1
75°	565.9	549.4	530.7	512.2	521.7	531.2	547.1	563.1	566.0	532.2	483.2
77.5°	479.5	465.2	450.3	435.1	444.7	454.3	467.1	479.9	481.3	425.6	378.0
80°	384.5	372.5	360.0	347.4	355.5	363.5	374.2	385.0	385.2	318.6	278.4
82.5°	255.0	259.2	260.2	261.3	267.0	272.6	277.9	283.1	280.0	223.1	193.4
85°	140.0	151.6	157.0	162.5	168.8	175.2	180.8	186.4	182.2	140.0	118.3
87.5°	66.2	75.0	75.2	75.4	76.7	77.9	80.2	82.3	77.1	59.6	50.6
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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 CATALOG NUMBER: NAV-SB2C-727-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0	1951.0
2.5°	1997.2	2014.4	2031.7	2048.8	2065.9	2082.0	2098.1
5°	2042.7	2078.3	2114.1	2149.4	2184.9	2220.5	2256.0
7.5°	2083.5	2136.3	2189.1	2243.2	2297.4	2356.1	2414.8
10°	2116.6	2180.8	2244.9	2316.4	2388.0	2462.3	2536.5
12.5°	2134.4	2210.0	2285.6	2366.8	2447.9	2529.4	2610.9
15°	2136.0	2223.1	2310.1	2398.2	2486.2	2571.2	2656.2
17.5°	2115.1	2216.2	2317.2	2413.3	2509.3	2595.5	2681.7
20°	2074.5	2197.0	2319.5	2425.0	2530.6	2620.2	2709.7
22.5°	2024.5	2173.5	2322.4	2440.9	2559.2	2650.9	2742.3
25°	1966.4	2150.2	2334.3	2469.6	2604.9	2694.5	2784.2
27.5°	1910.6	2134.8	2359.0	2514.5	2670.0	2755.6	2841.1
30°	1862.0	2127.5	2392.9	2572.8	2752.6	2835.3	2917.9
32.5°	1814.9	2118.6	2422.1	2633.4	2844.9	2926.6	3008.5
35°	1759.9	2101.6	2443.4	2702.6	2961.8	3040.1	3118.5
37.5°	1689.1	2072.7	2456.2	2780.1	3104.0	3203.9	3303.8
40°	1601.4	2032.8	2464.2	2878.5	3292.7	3438.3	3583.8
42.5°	1503.9	1991.6	2479.4	3007.1	3535.0	3745.0	3955.1
45°	1400.6	1953.3	2506.1	3176.5	3846.9	4130.3	4413.6
47.5°	1319.0	1921.7	2524.5	3357.0	4189.5	4588.3	4987.1
50°	1262.1	1887.2	2512.5	3524.4	4536.2	5137.5	5738.8
52.5°	1219.5	1829.1	2438.7	3633.0	4827.2	5714.5	6601.6
55°	1179.0	1732.7	2286.4	3609.1	4931.7	6226.0	7520.2
57.5°	1133.4	1596.7	2059.9	3440.5	4821.2	6588.4	8355.7
60°	1084.1	1420.1	1756.1	3126.8	4497.3	6679.0	8860.6
62.5°	1003.8	1208.9	1414.1	2702.5	3990.9	6297.6	8604.3
65°	923.1	1018.8	1114.6	2269.6	3424.7	5757.8	8091.0
67.5°	808.9	836.2	863.4	1845.6	2827.8	5115.6	7403.4
70°	669.4	661.7	653.9	1453.1	2252.3	4414.8	6577.2
72.5°	551.3	527.9	504.4	1110.9	1717.4	3655.0	5592.8
75°	434.2	413.0	391.7	806.3	1220.9	2784.1	4347.4
77.5°	330.6	316.0	301.6	546.3	791.2	1948.6	3106.2
80°	238.1	232.1	226.1	352.0	478.1	1255.5	2033.0
82.5°	163.8	162.6	161.5	216.5	271.6	726.6	1181.7
85°	96.6	97.2	97.7	115.7	133.9	326.9	520.0
87.5°	41.8	42.3	42.8	48.0	53.2	107.0	160.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)