

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1031465

Luminaire Tested: S123DIW-B1165D1535UB27-4F0-XX-W2A-A

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031465
REPORT IS A COMBINATION OF REPORTS P990981 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B1165D1535UB27-4F0-XX-W2A-A
Description: Define 3 Direct/Indirect Wall Mount with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

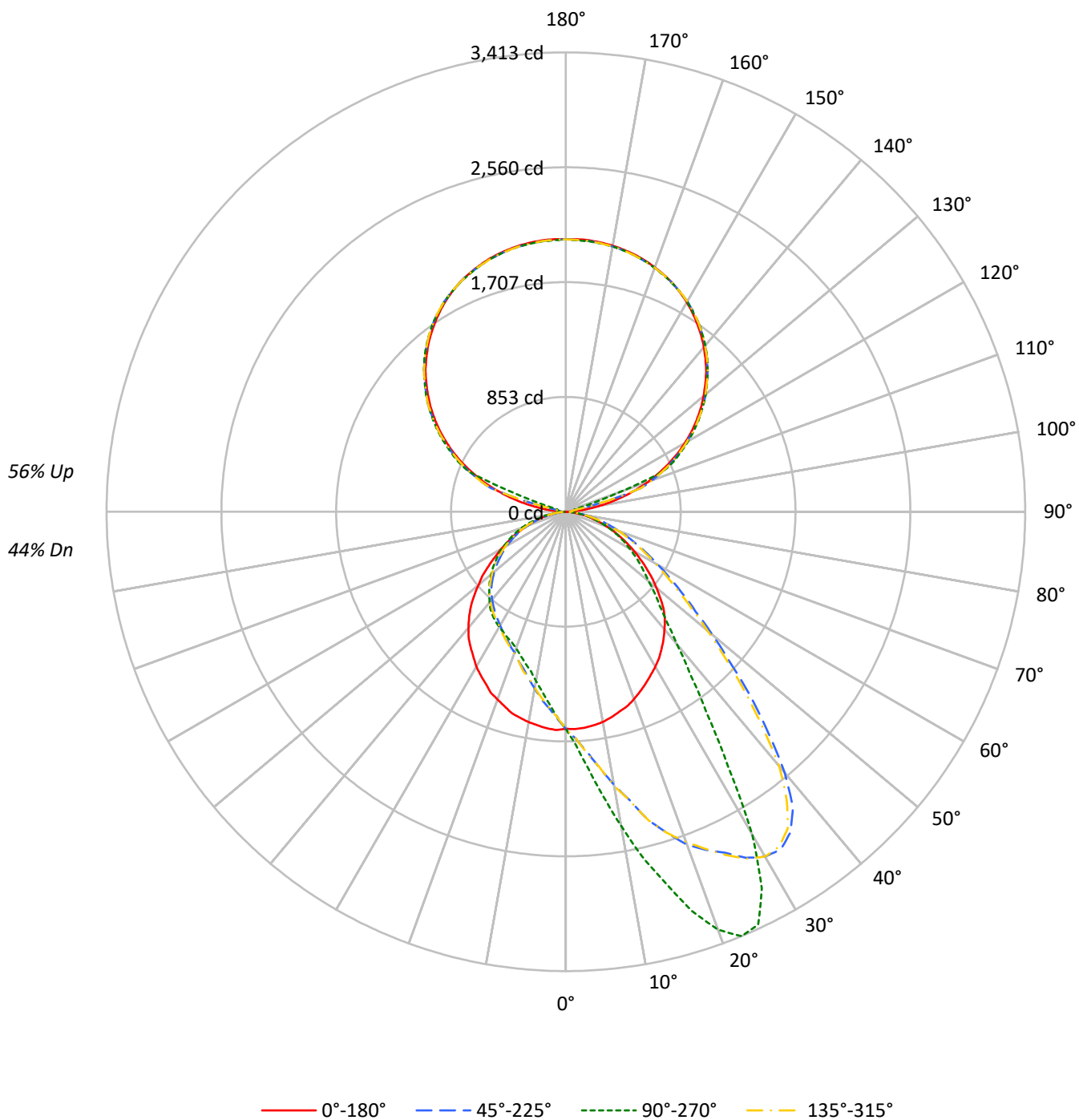
Lumens per Lamp: N/A
Luminaire Lumens: 11040.0 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 113.5
Input Voltage (V):
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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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51
1	97	93	89	85	88	85	82	79	71	68	66	57	56	54	45	44	43
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37
3	81	71	64	59	74	66	59	55	55	50	47	45	42	39	36	33	32
4	74	63	56	50	67	58	52	46	49	44	40	40	36	33	32	29	27
5	68	56	48	43	62	52	45	40	44	38	34	36	32	29	29	26	24
6	62	51	43	37	57	47	40	35	39	34	30	33	29	26	26	23	21
7	58	46	38	32	53	42	35	30	36	30	26	30	26	23	24	21	19
8	54	41	34	29	49	38	32	27	33	27	23	27	23	20	22	19	17
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	20	17	15
10	46	35	27	23	43	32	26	21	27	22	19	23	19	16	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17350	17350	17350	17350
5°	17361	19991	17412	14920
10°	17252	24191	17269	13029
15°	17013	28690	17151	11728
20°	16808	33032	16843	10792
25°	16503	33864	16540	10303
30°	16286	27978	16286	9983
35°	16016	18711	15916	9701
40°	15692	13507	15498	9267
45°	15286	10699	14845	8729
50°	14300	9087	13791	8201
55°	13216	7984	12678	7612
60°	12119	6952	11473	6992
65°	10912	5953	10383	6167
70°	9659	4942	9014	5198
75°	8258	3727	7726	4012
80°	6531	2488	6021	2636
85°	4505	1141	3602	1040

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 27982 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	1.4
10°-20°	509.2	4.6
20°-30°	856.7	7.8
30°-40°	968.2	8.8
40°-50°	867.2	7.9
50°-60°	700.0	6.3
60°-70°	487.8	4.4
70°-80°	256.0	2.3
80°-90°	65.4	0.6
90°-100°	71.4	0.6
100°-110°	345.1	3.1
110°-120°	845.7	7.7
120°-130°	1073.6	9.7
130°-140°	1146.9	10.4
140°-150°	1072.5	9.7
150°-160°	865.1	7.8
160°-170°	558.3	5.1
170°-180°	192.4	1.7
0°-30°	1524.4	13.8
0°-40°	2492.6	22.6
0°-60°	4059.8	36.8
0°-90°	4869.0	44.1
90°-120°	1262.2	11.4
90°-150°	4555.2	41.3
90°-180°	6171.0	55.9
0°-180°	11040.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1612	1612	1612	1612	1612	
5°	1610	1915	1615	1429	1610	153
15°	1537	2850	1549	1165	1537	434
25°	1406	3383	1409	1029	1406	648
35°	1240	1823	1232	945	1240	776
45°	1029	984	1000	803	1029	787
55°	729	668	700	637	729	653
65°	451	434	430	450	451	450
75°	217	223	203	240	217	233
85°	47	52	38	47	47	54
90°	2	45	2	45	2	8
95°	92	57	92	57	92	110
105°	448	66	448	66	448	475
115°	841	884	841	884	841	830
125°	1185	1209	1185	1209	1185	1059
135°	1475	1490	1475	1490	1475	1136
145°	1702	1719	1702	1719	1702	1066
155°	1875	1872	1875	1872	1875	864
165°	1978	1973	1978	1973	1978	559
175°	2024	2017	2024	2017	2024	193
180°	2024	2024	2024	2024	2024	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
2.5°	1616.6	1629.1	1635.3	1644.7	1654.1	1668.1	1672.8	1680.6	1677.5	1683.8	1686.9
5°	1610.3	1632.2	1651.0	1674.4	1696.3	1711.9	1727.5	1752.5	1771.2	1774.3	1788.4
7.5°	1599.4	1630.7	1663.5	1696.3	1738.4	1763.4	1791.5	1825.9	1854.0	1899.3	1916.5
10°	1585.4	1629.1	1675.9	1721.2	1779.0	1818.1	1852.4	1910.2	1968.0	2014.9	2058.6
12.5°	1563.5	1618.2	1679.1	1746.2	1821.2	1866.5	1913.4	1989.9	2077.4	2149.2	2196.1
15°	1536.9	1605.7	1683.8	1755.6	1838.4	1922.7	1972.7	2058.6	2183.6	2250.7	2371.0
17.5°	1515.1	1585.4	1663.5	1775.9	1888.4	1972.7	2008.6	2166.4	2252.3	2364.8	2500.6
20°	1480.7	1569.7	1669.7	1782.2	1927.4	1979.0	2052.4	2211.7	2317.9	2464.7	2631.8
22.5°	1444.8	1540.1	1660.3	1777.5	1939.9	1994.6	2094.5	2221.1	2389.7	2535.0	2719.3
25°	1405.7	1508.8	1630.7	1769.7	1929.0	2008.6	2102.4	2258.5	2441.3	2624.0	2794.3
27.5°	1366.7	1479.1	1605.7	1744.7	1899.3	1993.0	2086.7	2249.2	2483.5	2681.8	2898.9
30°	1329.2	1441.7	1568.2	1710.3	1872.8	1963.3	2052.4	2255.4	2516.3	2739.6	2958.3
32.5°	1288.6	1404.2	1536.9	1655.6	1819.6	1916.5	2016.4	2255.4	2536.6	2774.0	2973.9
35°	1240.2	1358.9	1472.9	1591.6	1754.0	1861.8	1974.3	2239.8	2555.3	2784.9	2908.3
37.5°	1193.3	1298.0	1396.4	1511.9	1682.2	1797.8	1927.4	2221.1	2545.9	2738.1	2772.4
40°	1140.2	1244.9	1324.5	1432.3	1611.9	1746.2	1877.4	2196.1	2505.3	2627.2	2527.2
42.5°	1088.7	1171.4	1240.2	1344.8	1540.1	1671.3	1813.4	2150.8	2425.7	2450.7	2225.7
45°	1029.3	1088.7	1149.6	1268.3	1462.0	1596.3	1754.0	2085.2	2297.6	2225.7	1941.5
47.5°	952.8	1005.9	1073.0	1182.4	1379.2	1518.2	1668.1	2000.8	2111.7	1961.8	1651.0
50°	879.4	924.7	987.1	1093.3	1291.7	1427.6	1586.9	1868.1	1922.7	1686.9	1422.9
52.5°	806.0	840.3	901.2	1007.4	1205.8	1337.0	1482.3	1732.2	1700.9	1447.9	1213.6
55°	729.4	759.1	816.9	921.5	1105.8	1230.8	1369.8	1565.1	1483.8	1243.3	1055.9
57.5°	654.4	685.7	745.0	832.5	1005.9	1127.7	1238.6	1391.7	1269.8	1077.7	912.2
60°	587.3	613.8	659.1	745.0	902.8	1001.2	1102.7	1207.4	1105.8	920.0	793.5
62.5°	517.0	542.0	584.2	662.3	798.1	885.6	966.8	1052.7	940.3	804.4	691.9
65°	451.4	471.7	510.8	582.6	693.5	765.3	830.9	890.3	799.7	674.8	590.4
67.5°	392.0	409.2	442.0	506.1	599.8	651.3	704.4	754.4	677.9	577.9	506.1
70°	328.0	342.1	371.7	418.6	493.6	546.7	585.7	623.2	554.5	474.8	426.4
72.5°	271.8	285.8	304.6	353.0	404.5	437.3	479.5	499.8	460.8	395.2	346.7
75°	217.1	228.0	245.2	276.5	324.9	346.7	373.3	388.9	353.0	309.3	279.6
77.5°	170.3	174.9	187.4	209.3	242.1	267.1	287.4	296.8	271.8	243.7	218.7
80°	120.3	126.5	135.9	154.6	179.6	187.4	199.9	210.9	195.2	170.3	154.6
82.5°	79.7	87.5	92.2	100.0	115.6	125.0	128.1	137.4	123.4	114.0	107.8
85°	46.9	50.0	51.5	56.2	64.0	68.7	73.4	75.0	71.8	70.3	64.0
87.5°	23.4	23.4	23.4	26.6	28.1	31.2	32.8	32.8	32.8	31.2	29.7
90°	1.5	4.8	8.2	11.5	14.8	16.5	18.7	23.0	27.4	31.7	36.1
92.5°	34.6	32.6	30.6	28.6	26.6	25.6	27.1	30.1	33.1	36.1	39.1
95°	91.7	78.0	64.3	50.6	36.9	30.1	31.9	35.6	39.3	42.9	46.6
97.5°	166.9	157.5	148.2	138.8	129.5	124.8	116.3	99.2	82.2	65.1	48.1
100°	254.2	260.9	267.5	274.2	280.9	284.2	258.1	206.0	153.9	101.7	49.6
102.5°	353.4	357.8	362.1	366.5	370.8	373.0	343.9	285.8	227.6	169.5	111.3
105°	448.2	451.9	455.5	459.2	462.9	464.7	449.7	419.6	389.5	359.4	329.3
107.5°	548.9	551.9	554.9	557.9	560.9	562.4	564.9	569.9	575.0	580.0	585.0
110°	649.7	652.4	655.0	657.7	660.4	661.7	663.5	667.2	670.9	674.5	678.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	745.9	748.2	750.6	752.9	755.2	756.4	758.2	761.9	765.6	769.3	773.0
115°	840.7	842.7	844.7	846.7	848.7	849.7	851.2	854.2	857.2	860.2	863.2
117.5°	933.9	936.2	938.6	940.9	943.2	944.4	945.2	946.9	948.6	950.2	951.9
120°	1019.6	1022.6	1025.6	1028.7	1031.7	1033.2	1033.7	1034.7	1035.7	1036.7	1037.7
122.5°	1106.8	1109.2	1111.5	1113.9	1116.2	1117.4	1118.1	1119.4	1120.7	1122.1	1123.4
125°	1185.0	1187.7	1190.4	1193.1	1195.8	1197.1	1197.8	1199.1	1200.4	1201.8	1203.1
127.5°	1263.2	1265.9	1268.6	1271.3	1274.0	1275.3	1276.1	1277.8	1279.5	1281.1	1282.8
130°	1335.4	1338.1	1340.8	1343.5	1346.2	1347.5	1348.2	1349.5	1350.8	1352.2	1353.5
132.5°	1404.6	1407.3	1409.9	1412.6	1415.3	1416.6	1417.1	1418.1	1419.2	1420.2	1421.2
135°	1475.3	1477.3	1479.3	1481.3	1483.3	1484.3	1485.0	1486.3	1487.6	1489.0	1490.3
137.5°	1535.4	1538.1	1540.8	1543.5	1546.2	1547.5	1547.8	1548.5	1549.2	1549.8	1550.5
140°	1595.6	1597.6	1599.6	1601.6	1603.6	1604.6	1605.1	1606.1	1607.1	1608.1	1609.1
142.5°	1651.2	1653.2	1655.2	1657.3	1659.3	1660.3	1660.8	1661.8	1662.8	1663.8	1664.8
145°	1702.4	1704.7	1707.1	1709.4	1711.7	1712.9	1713.2	1713.9	1714.6	1715.2	1715.9
147.5°	1752.0	1753.7	1755.3	1757.0	1758.7	1759.5	1759.8	1760.5	1761.2	1761.8	1762.5
150°	1797.1	1798.1	1799.1	1800.1	1801.1	1801.6	1801.9	1802.6	1803.3	1803.9	1804.6
152.5°	1837.7	1838.0	1838.4	1838.7	1839.0	1839.2	1839.4	1839.7	1840.0	1840.4	1840.7
155°	1875.3	1874.6	1874.0	1873.3	1872.6	1872.3	1872.5	1872.8	1873.1	1873.5	1873.8
157.5°	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.2	1904.9	1904.6	1904.2	1903.9
160°	1932.5	1932.2	1931.8	1931.5	1931.2	1931.0	1930.8	1930.5	1930.2	1929.8	1929.5
162.5°	1958.0	1957.0	1956.0	1955.0	1954.0	1953.5	1953.3	1953.0	1952.7	1952.3	1952.0
165°	1977.6	1976.6	1975.6	1974.6	1973.6	1973.1	1972.9	1972.6	1972.3	1971.9	1971.6
167.5°	1994.1	1992.8	1991.4	1990.1	1988.8	1988.1	1988.1	1988.1	1988.1	1988.1	1988.1
170°	2007.7	2006.3	2005.0	2003.6	2002.3	2001.6	2001.6	2001.6	2001.6	2001.6	2001.6
172.5°	2016.7	2015.0	2013.4	2011.7	2010.0	2009.2	2009.4	2009.7	2010.0	2010.4	2010.7
175°	2024.2	2022.5	2020.9	2019.2	2017.5	2016.7	2016.9	2017.2	2017.5	2017.9	2018.2
177.5°	2027.2	2025.5	2023.9	2022.2	2020.5	2019.7	2019.9	2020.2	2020.5	2020.9	2021.2
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
2.5°	1697.8	1700.9	1711.9	1719.7	1735.3	1733.7	1733.7	1732.2	1727.5	1735.3	1740.0
5°	1816.5	1843.1	1846.2	1880.6	1882.1	1896.2	1905.6	1897.7	1916.5	1914.9	1900.9
7.5°	1963.3	1999.3	2016.4	2049.2	2086.7	2077.4	2113.3	2119.5	2116.4	2132.0	2143.0
10°	2124.2	2186.7	2230.4	2291.3	2307.0	2316.3	2339.8	2360.1	2400.7	2369.4	2389.7
12.5°	2308.5	2353.8	2411.6	2508.5	2556.9	2588.1	2599.0	2613.1	2641.2	2624.0	2625.6
15°	2463.2	2524.1	2622.5	2742.7	2756.8	2795.8	2786.5	2870.8	2911.4	2850.5	2884.9
17.5°	2624.0	2705.3	2822.4	2927.1	2986.4	3013.0	3037.9	3119.2	3116.0	3106.7	3114.5
20°	2727.1	2859.9	3005.1	3144.2	3161.3	3181.6	3248.8	3283.2	3276.9	3303.5	3320.7
22.5°	2872.4	3013.0	3167.6	3259.7	3298.8	3322.2	3375.3	3397.2	3406.6	3412.8	3401.9
25°	2994.2	3144.2	3258.2	3339.4	3362.8	3375.3	3392.5	3398.8	3394.1	3383.1	3392.5
27.5°	3077.0	3197.3	3275.4	3312.8	3300.4	3280.0	3247.2	3225.4	3177.0	3153.5	3181.6
30°	3111.4	3164.5	3187.9	3125.4	3062.9	3013.0	2950.5	2834.9	2744.3	2770.9	2734.9
32.5°	3056.7	3022.3	2909.9	2749.0	2700.6	2619.4	2442.9	2307.0	2311.7	2239.8	2269.5
35°	2895.8	2739.6	2527.2	2283.5	2219.5	2175.8	1982.1	1952.4	1889.9	1822.8	1841.5
37.5°	2611.5	2383.5	2125.8	1946.2	1850.9	1755.6	1646.3	1580.7	1543.2	1515.1	1536.9
40°	2264.8	1986.8	1774.3	1613.5	1532.3	1471.3	1396.4	1330.8	1288.6	1283.9	1291.7
42.5°	1924.3	1690.0	1494.8	1341.7	1315.1	1243.3	1194.9	1143.3	1130.8	1110.5	1121.5
45°	1629.1	1438.5	1277.7	1152.7	1121.5	1102.7	1043.4	1010.6	996.5	984.0	1002.8
47.5°	1415.1	1215.2	1098.0	1023.1	991.8	960.6	927.8	905.9	895.0	896.5	895.0
50°	1208.9	1062.1	959.0	901.2	882.5	860.6	834.1	820.0	815.3	801.3	812.2
52.5°	1040.2	934.0	862.2	807.5	793.5	777.8	756.0	748.2	737.2	734.1	734.1
55°	904.4	821.6	763.8	727.9	710.7	698.2	685.7	676.3	668.5	668.5	668.5
57.5°	798.1	726.3	684.1	652.9	646.6	634.1	620.1	620.1	609.2	607.6	612.3
60°	707.6	643.5	610.7	584.2	574.8	571.7	557.6	557.6	554.5	546.7	552.9
62.5°	615.4	568.5	540.4	520.1	510.8	510.8	499.8	492.0	492.0	493.6	490.4
65°	531.1	496.7	471.7	456.1	451.4	445.1	443.6	437.3	432.7	434.2	432.7
67.5°	456.1	429.5	412.3	399.9	392.0	388.9	384.2	384.2	381.1	382.7	374.9
70°	388.9	362.4	348.3	335.8	332.7	332.7	326.4	328.0	324.9	329.6	326.4
72.5°	320.2	299.9	289.0	284.3	281.1	279.6	276.5	273.3	271.8	274.9	273.3
75°	259.3	242.1	234.3	231.2	228.0	228.0	226.5	224.9	223.4	223.4	223.4
77.5°	201.5	190.6	181.2	184.3	179.6	181.2	176.5	176.5	178.1	176.5	176.5
80°	148.4	140.6	140.6	137.4	131.2	134.3	134.3	129.6	128.1	131.2	126.5
82.5°	98.4	96.8	93.7	92.2	89.0	90.6	89.0	87.5	85.9	89.0	85.9
85°	57.8	57.8	56.2	53.1	56.2	54.7	53.1	53.1	51.5	51.5	51.5
87.5°	29.7	26.6	26.6	25.0	26.6	23.4	25.0	23.4	21.9	23.4	21.9
90°	37.4	38.8	40.1	41.4	42.1	42.4	43.1	43.8	44.4	45.1	44.4
92.5°	41.4	43.8	46.1	48.4	49.6	49.8	50.1	50.4	50.8	51.1	50.8
95°	48.9	51.3	53.6	55.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1
97.5°	50.8	53.5	56.2	58.9	60.2	60.4	60.7	61.0	61.4	61.7	61.4
100°	52.3	55.0	57.7	60.4	61.7	61.9	62.2	62.5	62.9	63.2	62.9
102.5°	100.3	89.3	78.2	67.2	61.7	62.0	62.7	63.4	64.0	64.7	64.0
105°	270.2	211.0	151.9	92.8	63.2	63.5	64.2	64.9	65.5	66.2	65.5
107.5°	533.5	482.1	430.6	379.1	353.4	331.5	287.7	244.0	200.2	156.4	200.2
110°	667.2	656.2	645.1	634.1	628.6	604.7	556.9	509.2	461.4	413.6	461.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	776.0	779.0	782.0	785.0	786.5	786.2	785.5	784.8	784.2	783.5	784.2
115°	866.6	869.9	873.3	876.6	878.3	879.0	880.3	881.6	883.0	884.3	883.0
117.5°	954.6	957.3	960.0	962.7	964.0	964.2	964.5	964.8	965.2	965.5	965.2
120°	1040.4	1043.0	1045.7	1048.4	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7
122.5°	1125.1	1126.7	1128.4	1130.1	1130.9	1131.1	1131.4	1131.7	1132.1	1132.4	1132.1
125°	1203.8	1204.4	1205.1	1205.8	1206.1	1206.4	1207.1	1207.8	1208.4	1209.1	1208.4
127.5°	1283.8	1284.8	1285.8	1286.8	1287.3	1287.0	1286.3	1285.6	1285.0	1284.3	1285.0
130°	1354.8	1356.2	1357.5	1358.8	1359.5	1359.2	1358.5	1357.8	1357.2	1356.5	1357.2
132.5°	1422.5	1423.9	1425.2	1426.5	1427.2	1426.7	1425.7	1424.7	1423.7	1422.7	1423.7
135°	1491.3	1492.3	1493.3	1494.3	1494.8	1494.3	1493.3	1492.3	1491.3	1490.3	1491.3
137.5°	1552.2	1553.8	1555.5	1557.2	1558.0	1557.7	1557.0	1556.3	1555.7	1555.0	1555.7
140°	1610.5	1611.8	1613.2	1614.5	1615.2	1614.9	1614.2	1613.5	1612.8	1612.1	1612.8
142.5°	1665.8	1666.8	1667.8	1668.8	1669.3	1668.8	1667.8	1666.8	1665.8	1664.8	1665.8
145°	1716.6	1717.2	1717.9	1718.6	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9
147.5°	1763.2	1763.8	1764.5	1765.2	1765.5	1764.7	1763.0	1761.3	1759.7	1758.0	1759.7
150°	1805.3	1805.9	1806.6	1807.3	1807.6	1807.1	1806.1	1805.1	1804.1	1803.1	1804.1
152.5°	1842.0	1843.4	1844.7	1846.0	1846.7	1845.9	1844.2	1842.5	1840.9	1839.2	1840.9
155°	1875.5	1877.1	1878.8	1880.5	1881.3	1880.3	1878.3	1876.3	1874.3	1872.3	1874.3
157.5°	1905.9	1907.9	1909.9	1911.9	1912.9	1911.6	1908.9	1906.2	1903.6	1900.9	1903.6
160°	1931.5	1933.5	1935.5	1937.5	1938.5	1937.3	1935.0	1932.7	1930.3	1928.0	1930.3
162.5°	1954.3	1956.7	1959.0	1961.3	1962.5	1961.5	1959.5	1957.5	1955.5	1953.5	1955.5
165°	1974.3	1976.9	1979.6	1982.3	1983.6	1982.4	1980.1	1977.8	1975.4	1973.1	1975.4
167.5°	1990.8	1993.4	1996.1	1998.8	2000.1	1998.8	1996.1	1993.4	1990.8	1988.1	1990.8
170°	2004.3	2007.0	2009.7	2012.4	2013.7	2012.4	2009.7	2007.0	2004.3	2001.6	2004.3
172.5°	2013.4	2016.0	2018.7	2021.4	2022.7	2021.2	2018.2	2015.2	2012.2	2009.2	2012.2
175°	2020.5	2022.9	2025.2	2027.5	2028.7	2027.4	2024.7	2022.0	2019.4	2016.7	2019.4
177.5°	2023.9	2026.5	2029.2	2031.9	2033.2	2031.5	2028.2	2024.9	2021.5	2018.2	2021.5
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
2.5°	1727.5	1732.2	1719.7	1716.6	1716.6	1722.8	1718.1	1675.9	1683.8	1674.4	1671.3
5°	1918.0	1908.7	1896.2	1889.9	1882.1	1860.3	1858.7	1810.3	1800.9	1769.7	1755.6
7.5°	2127.3	2119.5	2082.0	2077.4	2074.2	2053.9	2002.4	1950.8	1913.4	1877.4	1843.1
10°	2366.3	2342.9	2325.7	2291.3	2274.2	2246.1	2178.9	2130.5	2066.4	2011.8	1939.9
12.5°	2653.7	2627.2	2569.4	2544.4	2522.5	2444.4	2377.3	2322.6	2197.6	2160.1	2071.1
15°	2864.6	2808.3	2802.1	2747.4	2744.3	2658.4	2530.3	2471.0	2374.1	2236.7	2144.5
17.5°	3092.6	3042.6	3003.6	2938.0	2928.6	2847.4	2753.7	2608.4	2502.2	2371.0	2253.9
20°	3259.7	3233.2	3166.0	3139.5	3084.8	3016.1	2919.2	2739.6	2610.0	2478.8	2335.1
22.5°	3392.5	3366.0	3312.8	3276.9	3245.7	3156.7	3041.1	2888.0	2709.9	2538.1	2389.7
25°	3390.9	3383.1	3361.3	3344.1	3320.7	3255.1	3158.2	3011.4	2813.0	2624.0	2417.9
27.5°	3198.8	3220.7	3258.2	3276.9	3272.2	3262.9	3208.2	3084.8	2906.7	2681.8	2450.7
30°	2799.0	2878.6	2948.9	3042.6	3070.7	3139.5	3170.7	3100.4	2958.3	2749.0	2492.8
32.5°	2321.0	2436.6	2589.7	2641.2	2730.2	2863.0	3011.4	3037.9	2948.9	2788.0	2519.4
35°	1904.0	1999.3	2118.0	2199.2	2278.9	2494.4	2681.8	2844.3	2873.9	2767.7	2513.1
37.5°	1576.0	1643.1	1747.8	1816.5	1889.9	2074.2	2336.6	2547.5	2695.9	2699.0	2496.0
40°	1338.6	1368.2	1458.8	1508.8	1579.1	1738.4	1972.7	2247.6	2464.7	2564.7	2450.7
42.5°	1134.0	1173.0	1248.0	1285.5	1330.8	1469.8	1624.4	1885.2	2153.9	2367.9	2366.3
45°	1012.1	1040.2	1074.6	1105.8	1157.4	1240.2	1416.7	1611.9	1869.6	2111.7	2207.0
47.5°	904.4	930.9	965.3	974.6	1009.0	1087.1	1194.9	1365.1	1605.7	1846.2	2025.8
50°	813.8	835.6	859.1	876.2	891.9	955.9	1037.1	1180.8	1372.9	1605.7	1829.0
52.5°	743.5	759.1	779.4	788.8	802.8	849.7	912.2	1018.4	1176.1	1388.6	1605.7
55°	677.9	688.8	701.3	716.9	723.2	757.5	806.0	896.5	1013.7	1204.2	1410.4
57.5°	617.0	621.6	629.5	638.8	646.6	676.3	718.5	779.4	882.5	1029.3	1224.6
60°	548.2	560.7	565.4	574.8	579.5	602.9	635.7	687.2	766.9	893.4	1040.2
62.5°	490.4	498.3	506.1	510.8	521.7	529.5	556.0	602.9	668.5	762.2	895.0
65°	438.9	442.0	446.7	451.4	454.5	463.9	488.9	520.1	570.1	652.9	756.0
67.5°	379.5	382.7	388.9	390.5	393.6	406.1	420.2	446.7	488.9	551.4	635.7
70°	321.8	326.4	329.6	332.7	337.4	342.1	357.7	379.5	412.3	456.1	521.7
72.5°	271.8	276.5	276.5	279.6	278.0	284.3	299.9	315.5	337.4	373.3	431.1
75°	221.8	221.8	224.9	226.5	228.0	234.3	240.5	253.0	270.2	298.3	334.3
77.5°	174.9	173.4	176.5	176.5	176.5	181.2	187.4	193.7	204.6	224.9	253.0
80°	128.1	128.1	131.2	132.8	129.6	131.2	134.3	140.6	148.4	162.4	178.1
82.5°	84.3	90.6	89.0	90.6	89.0	92.2	93.7	95.3	98.4	104.6	115.6
85°	51.5	51.5	51.5	53.1	51.5	53.1	53.1	53.1	54.7	57.8	62.5
87.5°	21.9	21.9	21.9	23.4	21.9	21.9	23.4	21.9	23.4	23.4	25.0
90°	43.8	43.1	42.4	42.1	41.4	40.1	38.8	37.4	36.1	31.7	27.4
92.5°	50.4	50.1	49.8	49.6	48.4	46.1	43.8	41.4	39.1	36.1	33.1
95°	57.1	57.1	57.1	57.1	55.9	53.6	51.3	48.9	46.6	42.9	39.3
97.5°	61.0	60.7	60.4	60.2	58.9	56.2	53.5	50.8	48.1	65.1	82.2
100°	62.5	62.2	61.9	61.7	60.4	57.7	55.0	52.3	49.6	101.7	153.9
102.5°	63.4	62.7	62.0	61.7	67.2	78.2	89.3	100.3	111.3	169.5	227.6
105°	64.9	64.2	63.5	63.2	92.8	151.9	211.0	270.2	329.3	359.4	389.5
107.5°	244.0	287.7	331.5	353.4	379.1	430.6	482.1	533.5	585.0	580.0	575.0
110°	509.2	556.9	604.7	628.6	634.1	645.1	656.2	667.2	678.2	674.5	670.9

TEST NUMBER: P1031465

CATALOG NUMBER: S123DIW-B1165D1535UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	784.8	785.5	786.2	786.5	785.0	782.0	779.0	776.0	773.0	769.3	765.6
115°	881.6	880.3	879.0	878.3	876.6	873.3	869.9	866.6	863.2	860.2	857.2
117.5°	964.8	964.5	964.2	964.0	962.7	960.0	957.3	954.6	951.9	950.2	948.6
120°	1049.7	1049.7	1049.7	1049.7	1048.4	1045.7	1043.0	1040.4	1037.7	1036.7	1035.7
122.5°	1131.7	1131.4	1131.1	1130.9	1130.1	1128.4	1126.7	1125.1	1123.4	1122.1	1120.7
125°	1207.8	1207.1	1206.4	1206.1	1205.8	1205.1	1204.4	1203.8	1203.1	1201.8	1200.4
127.5°	1285.6	1286.3	1287.0	1287.3	1286.8	1285.8	1284.8	1283.8	1282.8	1281.1	1279.5
130°	1357.8	1358.5	1359.2	1359.5	1358.8	1357.5	1356.2	1354.8	1353.5	1352.2	1350.8
132.5°	1424.7	1425.7	1426.7	1427.2	1426.5	1425.2	1423.9	1422.5	1421.2	1420.2	1419.2
135°	1492.3	1493.3	1494.3	1494.8	1494.3	1493.3	1492.3	1491.3	1490.3	1489.0	1487.6
137.5°	1556.3	1557.0	1557.7	1558.0	1557.2	1555.5	1553.8	1552.2	1550.5	1549.8	1549.2
140°	1613.5	1614.2	1614.9	1615.2	1614.5	1613.2	1611.8	1610.5	1609.1	1608.1	1607.1
142.5°	1666.8	1667.8	1668.8	1669.3	1668.8	1667.8	1666.8	1665.8	1664.8	1663.8	1662.8
145°	1718.9	1718.9	1718.9	1718.9	1718.6	1717.9	1717.2	1716.6	1715.9	1715.2	1714.6
147.5°	1761.3	1763.0	1764.7	1765.5	1765.2	1764.5	1763.8	1763.2	1762.5	1761.8	1761.2
150°	1805.1	1806.1	1807.1	1807.6	1807.3	1806.6	1805.9	1805.3	1804.6	1803.9	1803.3
152.5°	1842.5	1844.2	1845.9	1846.7	1846.0	1844.7	1843.4	1842.0	1840.7	1840.4	1840.0
155°	1876.3	1878.3	1880.3	1881.3	1880.5	1878.8	1877.1	1875.5	1873.8	1873.5	1873.1
157.5°	1906.2	1908.9	1911.6	1912.9	1911.9	1909.9	1907.9	1905.9	1903.9	1904.2	1904.6
160°	1932.7	1935.0	1937.3	1938.5	1937.5	1935.5	1933.5	1931.5	1929.5	1929.8	1930.2
162.5°	1957.5	1959.5	1961.5	1962.5	1961.3	1959.0	1956.7	1954.3	1952.0	1952.3	1952.7
165°	1977.8	1980.1	1982.4	1983.6	1982.3	1979.6	1976.9	1974.3	1971.6	1971.9	1972.3
167.5°	1993.4	1996.1	1998.8	2000.1	1998.8	1996.1	1993.4	1990.8	1988.1	1988.1	1988.1
170°	2007.0	2009.7	2012.4	2013.7	2012.4	2009.7	2007.0	2004.3	2001.6	2001.6	2001.6
172.5°	2015.2	2018.2	2021.2	2022.7	2021.4	2018.7	2016.0	2013.4	2010.7	2010.4	2010.0
175°	2022.0	2024.7	2027.4	2028.7	2027.5	2025.2	2022.9	2020.5	2018.2	2017.9	2017.5
177.5°	2024.9	2028.2	2031.5	2033.2	2031.9	2029.2	2026.5	2023.9	2021.2	2020.9	2020.5
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

TEST NUMBER: P1031465

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
2.5°	1655.6	1651.0	1651.0	1647.8	1638.5	1621.3	1619.7	1622.8	1613.5	1604.1	1590.0
5°	1736.9	1707.2	1697.8	1688.4	1669.7	1638.5	1626.0	1615.0	1597.9	1577.5	1555.7
7.5°	1805.6	1763.4	1750.9	1733.7	1696.3	1652.5	1624.4	1601.0	1577.5	1549.4	1522.9
10°	1891.5	1830.6	1800.9	1775.9	1724.4	1663.5	1621.3	1586.9	1549.4	1515.1	1480.7
12.5°	1988.3	1889.9	1880.6	1819.6	1760.3	1669.7	1618.2	1568.2	1518.2	1476.0	1440.1
15°	2069.6	1961.8	1922.7	1882.1	1768.1	1655.6	1605.7	1549.4	1491.6	1446.3	1393.2
17.5°	2121.1	2032.1	1949.3	1894.6	1775.9	1675.9	1579.1	1515.1	1454.2	1391.7	1347.9
20°	2183.6	2053.9	1982.1	1908.7	1791.5	1660.3	1563.5	1483.8	1408.9	1352.6	1299.5
22.5°	2246.1	2071.1	2011.8	1932.1	1794.7	1644.7	1535.4	1455.7	1369.8	1313.6	1255.8
25°	2239.8	2096.1	1997.7	1930.5	1763.4	1630.7	1502.6	1408.9	1329.2	1257.4	1199.6
27.5°	2244.5	2068.0	1968.0	1889.9	1741.5	1610.3	1468.2	1369.8	1287.0	1212.1	1151.1
30°	2246.1	2025.8	1938.4	1844.6	1700.9	1561.9	1429.2	1329.2	1241.7	1160.5	1105.8
32.5°	2241.4	1991.5	1882.1	1797.8	1636.9	1515.1	1383.9	1277.7	1188.6	1113.7	1062.1
35°	2230.4	1950.8	1824.3	1718.1	1571.3	1447.9	1341.7	1232.4	1137.1	1068.4	1009.0
37.5°	2200.8	1907.1	1763.4	1658.8	1494.8	1369.8	1276.1	1185.5	1093.3	1012.1	962.1
40°	2178.9	1847.8	1702.5	1588.5	1412.0	1290.2	1212.1	1126.1	1035.6	962.1	913.7
42.5°	2128.9	1791.5	1640.0	1504.1	1330.8	1205.8	1132.4	1063.7	985.6	913.7	870.0
45°	2047.7	1730.6	1563.5	1426.0	1241.7	1123.0	1055.9	999.6	930.9	862.2	818.4
47.5°	1933.7	1643.1	1482.3	1344.8	1154.3	1034.0	966.8	924.7	870.0	812.2	774.7
50°	1810.3	1547.9	1399.5	1263.6	1069.9	952.8	887.2	848.1	812.2	759.1	723.2
52.5°	1649.4	1446.3	1304.2	1174.6	979.3	866.9	809.1	781.0	743.5	706.0	674.8
55°	1493.2	1315.1	1198.0	1074.6	890.3	785.6	729.4	699.7	677.9	646.6	621.6
57.5°	1312.0	1193.3	1085.5	973.1	807.5	712.2	659.1	623.2	609.2	595.1	571.7
60°	1144.9	1054.3	966.8	873.1	721.6	635.7	584.2	556.0	542.0	532.6	517.0
62.5°	991.8	921.5	846.6	771.6	634.1	556.0	517.0	488.9	476.4	474.8	460.8
65°	845.0	795.0	734.1	660.7	552.9	484.2	446.7	429.5	415.5	415.5	404.5
67.5°	698.2	663.8	615.4	563.9	479.5	415.5	381.1	365.5	357.7	357.7	349.9
70°	581.0	557.6	513.9	468.6	395.2	346.7	320.2	306.1	301.5	303.0	296.8
72.5°	471.7	446.7	410.8	378.0	323.3	287.4	268.7	253.0	245.2	246.8	245.2
75°	365.5	353.0	321.8	296.8	253.0	228.0	210.9	203.1	196.8	198.4	195.2
77.5°	274.9	256.2	239.0	221.8	195.2	174.9	160.9	153.1	148.4	148.4	148.4
80°	187.4	184.3	170.3	160.9	139.0	123.4	112.5	110.9	106.2	106.2	106.2
82.5°	121.8	114.0	106.2	100.0	87.5	78.1	73.4	70.3	68.7	67.2	70.3
85°	67.2	62.5	59.4	53.1	48.4	43.7	39.0	37.5	35.9	37.5	35.9
87.5°	26.6	21.9	21.9	20.3	18.7	17.2	17.2	14.1	14.1	12.5	12.5
90°	23.0	18.7	16.5	14.8	11.5	8.2	4.8	1.5	4.8	8.2	11.5
92.5°	30.1	27.1	25.6	26.6	28.6	30.6	32.6	34.6	32.6	30.6	28.6
95°	35.6	31.9	30.1	36.9	50.6	64.3	78.0	91.7	78.0	64.3	50.6
97.5°	99.2	116.3	124.8	129.5	138.8	148.2	157.5	166.9	157.5	148.2	138.8
100°	206.0	258.1	284.2	280.9	274.2	267.5	260.9	254.2	260.9	267.5	274.2
102.5°	285.8	343.9	373.0	370.8	366.5	362.1	357.8	353.4	357.8	362.1	366.5
105°	419.6	449.7	464.7	462.9	459.2	455.5	451.9	448.2	451.9	455.5	459.2
107.5°	569.9	564.9	562.4	560.9	557.9	554.9	551.9	548.9	551.9	554.9	557.9
110°	667.2	663.5	661.7	660.4	657.7	655.0	652.4	649.7	652.4	655.0	657.7

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	761.9	758.2	756.4	755.2	752.9	750.6	748.2	745.9	748.2	750.6	752.9
115°	854.2	851.2	849.7	848.7	846.7	844.7	842.7	840.7	842.7	844.7	846.7
117.5°	946.9	945.2	944.4	943.2	940.9	938.6	936.2	933.9	936.2	938.6	940.9
120°	1034.7	1033.7	1033.2	1031.7	1028.7	1025.6	1022.6	1019.6	1022.6	1025.6	1028.7
122.5°	1119.4	1118.1	1117.4	1116.2	1113.9	1111.5	1109.2	1106.8	1109.2	1111.5	1113.9
125°	1199.1	1197.8	1197.1	1195.8	1193.1	1190.4	1187.7	1185.0	1187.7	1190.4	1193.1
127.5°	1277.8	1276.1	1275.3	1274.0	1271.3	1268.6	1265.9	1263.2	1265.9	1268.6	1271.3
130°	1349.5	1348.2	1347.5	1346.2	1343.5	1340.8	1338.1	1335.4	1338.1	1340.8	1343.5
132.5°	1418.1	1417.1	1416.6	1415.3	1412.6	1409.9	1407.3	1404.6	1407.3	1409.9	1412.6
135°	1486.3	1485.0	1484.3	1483.3	1481.3	1479.3	1477.3	1475.3	1477.3	1479.3	1481.3
137.5°	1548.5	1547.8	1547.5	1546.2	1543.5	1540.8	1538.1	1535.4	1538.1	1540.8	1543.5
140°	1606.1	1605.1	1604.6	1603.6	1601.6	1599.6	1597.6	1595.6	1597.6	1599.6	1601.6
142.5°	1661.8	1660.8	1660.3	1659.3	1657.3	1655.2	1653.2	1651.2	1653.2	1655.2	1657.3
145°	1713.9	1713.2	1712.9	1711.7	1709.4	1707.1	1704.7	1702.4	1704.7	1707.1	1709.4
147.5°	1760.5	1759.8	1759.5	1758.7	1757.0	1755.3	1753.7	1752.0	1753.7	1755.3	1757.0
150°	1802.6	1801.9	1801.6	1801.1	1800.1	1799.1	1798.1	1797.1	1798.1	1799.1	1800.1
152.5°	1839.7	1839.4	1839.2	1839.0	1838.7	1838.4	1838.0	1837.7	1838.0	1838.4	1838.7
155°	1872.8	1872.5	1872.3	1872.6	1873.3	1874.0	1874.6	1875.3	1874.6	1874.0	1873.3
157.5°	1904.9	1905.2	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4	1905.4
160°	1930.5	1930.8	1931.0	1931.2	1931.5	1931.8	1932.2	1932.5	1932.2	1931.8	1931.5
162.5°	1953.0	1953.3	1953.5	1954.0	1955.0	1956.0	1957.0	1958.0	1957.0	1956.0	1955.0
165°	1972.6	1972.9	1973.1	1973.6	1974.6	1975.6	1976.6	1977.6	1976.6	1975.6	1974.6
167.5°	1988.1	1988.1	1988.1	1988.8	1990.1	1991.4	1992.8	1994.1	1992.8	1991.4	1990.1
170°	2001.6	2001.6	2001.6	2002.3	2003.6	2005.0	2006.3	2007.7	2006.3	2005.0	2003.6
172.5°	2009.7	2009.4	2009.2	2010.0	2011.7	2013.4	2015.0	2016.7	2015.0	2013.4	2011.7
175°	2017.2	2016.9	2016.7	2017.5	2019.2	2020.9	2022.5	2024.2	2022.5	2020.9	2019.2
177.5°	2020.2	2019.9	2019.7	2020.5	2022.2	2023.9	2025.5	2027.2	2025.5	2023.9	2022.2
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
2.5°	1586.9	1585.4	1588.5	1579.1	1563.5	1555.7	1533.8	1529.1	1527.6	1529.1	1530.7
5°	1543.2	1541.6	1536.9	1521.3	1502.6	1488.5	1462.0	1460.4	1451.0	1441.7	1446.3
7.5°	1501.0	1494.8	1485.4	1465.1	1440.1	1424.5	1402.6	1387.0	1374.5	1366.7	1360.4
10°	1458.8	1449.5	1440.1	1413.5	1382.3	1358.9	1332.3	1319.8	1305.8	1299.5	1293.3
12.5°	1404.2	1394.8	1377.6	1346.4	1327.6	1298.0	1271.4	1258.9	1251.1	1238.6	1230.8
15°	1360.4	1341.7	1332.3	1299.5	1260.5	1257.4	1208.9	1205.8	1190.2	1190.2	1177.7
17.5°	1310.5	1296.4	1279.2	1246.4	1218.3	1190.2	1165.2	1155.8	1141.8	1138.6	1132.4
20°	1262.0	1243.3	1237.0	1204.2	1174.6	1140.2	1113.7	1104.3	1098.0	1091.8	1096.5
22.5°	1212.1	1196.4	1180.8	1151.1	1129.3	1094.9	1079.3	1069.9	1060.5	1057.4	1059.0
25°	1163.6	1149.6	1134.0	1104.3	1080.9	1052.7	1038.7	1034.0	1029.3	1029.3	1027.7
27.5°	1116.8	1102.7	1088.7	1062.1	1038.7	1018.4	1007.4	1002.8	998.1	1001.2	1004.3
30°	1068.4	1055.9	1043.4	1019.9	1001.2	982.5	976.2	973.1	971.5	979.3	979.3
32.5°	1024.6	1013.7	1004.3	982.5	963.7	948.1	943.4	945.0	946.5	951.2	954.3
35°	979.3	971.5	962.1	943.4	927.8	913.7	915.3	915.3	918.4	926.2	932.5
37.5°	938.7	927.8	920.0	904.4	891.9	879.4	884.1	888.7	891.9	901.2	904.4
40°	890.3	885.6	879.4	863.7	852.8	851.3	852.8	855.9	862.2	866.9	871.6
42.5°	851.3	845.0	837.2	824.7	815.3	816.9	818.4	821.6	824.7	832.5	837.2
45°	807.5	802.8	796.6	785.6	777.8	779.4	781.0	781.0	784.1	793.5	796.6
47.5°	759.1	760.7	752.8	741.9	737.2	737.2	737.2	740.4	748.2	751.3	752.8
50°	712.2	709.1	707.6	696.6	693.5	691.9	693.5	695.1	706.0	704.4	709.1
52.5°	662.3	662.3	660.7	654.4	649.8	649.8	646.6	654.4	657.6	660.7	665.4
55°	613.8	609.2	607.6	604.5	598.2	596.7	599.8	609.2	612.3	615.4	620.1
57.5°	560.7	560.7	557.6	552.9	552.9	552.9	552.9	559.2	563.9	567.0	576.4
60°	512.3	506.1	501.4	501.4	501.4	499.8	509.2	509.2	518.6	520.1	523.2
62.5°	454.5	451.4	448.3	449.8	448.3	451.4	454.5	460.8	462.3	467.0	471.7
65°	399.9	399.9	396.7	406.1	399.9	399.9	407.7	407.7	410.8	415.5	421.7
67.5°	346.7	348.3	345.2	345.2	348.3	349.9	351.4	357.7	359.2	365.5	373.3
70°	292.1	295.2	296.8	293.6	296.8	299.9	303.0	304.6	310.8	313.9	318.6
72.5°	243.7	246.8	242.1	243.7	245.2	248.3	249.9	253.0	256.2	265.5	268.7
75°	195.2	193.7	192.1	198.4	195.2	201.5	203.1	203.1	206.2	214.0	217.1
77.5°	149.9	149.9	151.5	148.4	153.1	151.5	153.1	157.8	162.4	162.4	174.9
80°	104.6	107.8	107.8	107.8	109.3	110.9	107.8	115.6	117.1	117.1	121.8
82.5°	67.2	68.7	67.2	70.3	70.3	73.4	71.8	73.4	76.5	79.7	81.2
85°	35.9	35.9	39.0	39.0	37.5	39.0	37.5	39.0	42.2	42.2	43.7
87.5°	12.5	12.5	12.5	12.5	14.1	12.5	14.1	14.1	12.5	12.5	17.2
90°	14.8	16.5	18.7	23.0	27.4	31.7	36.1	37.4	38.8	40.1	41.4
92.5°	26.6	25.6	27.1	30.1	33.1	36.1	39.1	41.4	43.8	46.1	48.4
95°	36.9	30.1	31.9	35.6	39.3	42.9	46.6	48.9	51.3	53.6	55.9
97.5°	129.5	124.8	116.3	99.2	82.2	65.1	48.1	50.8	53.5	56.2	58.9
100°	280.9	284.2	258.1	206.0	153.9	101.7	49.6	52.3	55.0	57.7	60.4
102.5°	370.8	373.0	343.9	285.8	227.6	169.5	111.3	100.3	89.3	78.2	67.2
105°	462.9	464.7	449.7	419.6	389.5	359.4	329.3	270.2	211.0	151.9	92.8
107.5°	560.9	562.4	564.9	569.9	575.0	580.0	585.0	533.5	482.1	430.6	379.1
110°	660.4	661.7	663.5	667.2	670.9	674.5	678.2	667.2	656.2	645.1	634.1

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CATALOG NUMBER: S123DIW-B1165D1535UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	755.2	756.4	758.2	761.9	765.6	769.3	773.0	776.0	779.0	782.0	785.0
115°	848.7	849.7	851.2	854.2	857.2	860.2	863.2	866.6	869.9	873.3	876.6
117.5°	943.2	944.4	945.2	946.9	948.6	950.2	951.9	954.6	957.3	960.0	962.7
120°	1031.7	1033.2	1033.7	1034.7	1035.7	1036.7	1037.7	1040.4	1043.0	1045.7	1048.4
122.5°	1116.2	1117.4	1118.1	1119.4	1120.7	1122.1	1123.4	1125.1	1126.7	1128.4	1130.1
125°	1195.8	1197.1	1197.8	1199.1	1200.4	1201.8	1203.1	1203.8	1204.4	1205.1	1205.8
127.5°	1274.0	1275.3	1276.1	1277.8	1279.5	1281.1	1282.8	1283.8	1284.8	1285.8	1286.8
130°	1346.2	1347.5	1348.2	1349.5	1350.8	1352.2	1353.5	1354.8	1356.2	1357.5	1358.8
132.5°	1415.3	1416.6	1417.1	1418.1	1419.2	1420.2	1421.2	1422.5	1423.9	1425.2	1426.5
135°	1483.3	1484.3	1485.0	1486.3	1487.6	1489.0	1490.3	1491.3	1492.3	1493.3	1494.3
137.5°	1546.2	1547.5	1547.8	1548.5	1549.2	1549.8	1550.5	1552.2	1553.8	1555.5	1557.2
140°	1603.6	1604.6	1605.1	1606.1	1607.1	1608.1	1609.1	1610.5	1611.8	1613.2	1614.5
142.5°	1659.3	1660.3	1660.8	1661.8	1662.8	1663.8	1664.8	1665.8	1666.8	1667.8	1668.8
145°	1711.7	1712.9	1713.2	1713.9	1714.6	1715.2	1715.9	1716.6	1717.2	1717.9	1718.6
147.5°	1758.7	1759.5	1759.8	1760.5	1761.2	1761.8	1762.5	1763.2	1763.8	1764.5	1765.2
150°	1801.1	1801.6	1801.9	1802.6	1803.3	1803.9	1804.6	1805.3	1805.9	1806.6	1807.3
152.5°	1839.0	1839.2	1839.4	1839.7	1840.0	1840.4	1840.7	1842.0	1843.4	1844.7	1846.0
155°	1872.6	1872.3	1872.5	1872.8	1873.1	1873.5	1873.8	1875.5	1877.1	1878.8	1880.5
157.5°	1905.4	1905.4	1905.2	1904.9	1904.6	1904.2	1903.9	1905.9	1907.9	1909.9	1911.9
160°	1931.2	1931.0	1930.8	1930.5	1930.2	1929.8	1929.5	1931.5	1933.5	1935.5	1937.5
162.5°	1954.0	1953.5	1953.3	1953.0	1952.7	1952.3	1952.0	1954.3	1956.7	1959.0	1961.3
165°	1973.6	1973.1	1972.9	1972.6	1972.3	1971.9	1971.6	1974.3	1976.9	1979.6	1982.3
167.5°	1988.8	1988.1	1988.1	1988.1	1988.1	1988.1	1988.1	1990.8	1993.4	1996.1	1998.8
170°	2002.3	2001.6	2001.6	2001.6	2001.6	2001.6	2001.6	2004.3	2007.0	2009.7	2012.4
172.5°	2010.0	2009.2	2009.4	2009.7	2010.0	2010.4	2010.7	2013.4	2016.0	2018.7	2021.4
175°	2017.5	2016.7	2016.9	2017.2	2017.5	2017.9	2018.2	2020.5	2022.9	2025.2	2027.5
177.5°	2020.5	2019.7	2019.9	2020.2	2020.5	2020.9	2021.2	2023.9	2026.5	2029.2	2031.9
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
2.5°	1529.1	1530.7	1524.4	1519.8	1532.3	1524.4	1524.4	1526.0	1522.9	1527.6	1526.0
5°	1443.2	1444.8	1433.8	1437.0	1430.7	1429.2	1427.6	1437.0	1435.4	1433.8	1437.0
7.5°	1358.9	1358.9	1354.2	1351.1	1351.1	1346.4	1352.6	1351.1	1354.2	1354.2	1358.9
10°	1288.6	1291.7	1283.9	1276.1	1274.5	1276.1	1276.1	1277.7	1279.2	1290.2	1288.6
12.5°	1230.8	1226.1	1224.6	1219.9	1212.1	1208.9	1205.8	1223.0	1218.3	1218.3	1218.3
15°	1166.8	1177.7	1176.1	1162.1	1159.0	1165.2	1162.1	1162.1	1177.7	1176.1	1174.6
17.5°	1132.4	1129.3	1126.1	1118.3	1119.9	1118.3	1119.9	1119.9	1129.3	1129.3	1129.3
20°	1093.3	1087.1	1087.1	1084.0	1084.0	1079.3	1085.5	1087.1	1093.3	1093.3	1094.9
22.5°	1059.0	1054.3	1054.3	1052.7	1055.9	1049.6	1055.9	1057.4	1057.4	1062.1	1062.1
25°	1029.3	1026.2	1026.2	1029.3	1029.3	1029.3	1029.3	1035.6	1030.9	1032.4	1030.9
27.5°	1002.8	1004.3	1005.9	1007.4	1005.9	1007.4	1009.0	1012.1	1013.7	1012.1	1009.0
30°	977.8	982.5	984.0	984.0	987.1	988.7	990.3	990.3	991.8	987.1	990.3
32.5°	959.0	959.0	962.1	963.7	966.8	968.4	968.4	971.5	970.0	965.3	966.8
35°	932.5	932.5	938.7	941.8	946.5	945.0	946.5	946.5	948.1	945.0	940.3
37.5°	905.9	909.0	909.0	915.3	916.9	918.4	916.9	920.0	918.4	915.3	913.7
40°	874.7	873.1	874.7	879.4	880.9	880.9	880.9	884.1	884.1	884.1	882.5
42.5°	835.6	840.3	838.8	843.4	841.9	841.9	845.0	848.1	849.7	845.0	846.6
45°	798.1	798.1	801.3	801.3	802.8	802.8	809.1	806.0	809.1	806.0	807.5
47.5°	757.5	759.1	759.1	760.7	763.8	766.9	763.8	765.3	765.3	766.9	763.8
50°	712.2	712.2	715.4	720.0	726.3	723.2	721.6	727.9	723.2	723.2	720.0
52.5°	665.4	670.1	671.6	676.3	681.0	682.6	684.1	681.0	682.6	677.9	679.4
55°	620.1	621.6	627.9	632.6	637.3	637.3	635.7	637.3	638.8	632.6	632.6
57.5°	574.8	579.5	585.7	585.7	592.0	592.0	590.4	590.4	592.0	587.3	585.7
60°	526.4	531.1	538.9	538.9	548.2	549.8	546.7	543.6	543.6	538.9	540.4
62.5°	474.8	479.5	484.2	492.0	498.3	495.1	501.4	495.1	496.7	487.3	487.3
65°	429.5	431.1	438.9	446.7	446.7	449.8	446.7	448.3	443.6	443.6	437.3
67.5°	376.4	376.4	384.2	392.0	399.9	399.9	399.9	395.2	395.2	390.5	390.5
70°	329.6	328.0	335.8	340.5	345.2	346.7	343.6	342.1	338.9	334.3	332.7
72.5°	271.8	274.9	282.7	285.8	293.6	292.1	299.9	290.5	290.5	282.7	281.1
75°	220.2	223.4	231.2	235.9	240.5	240.5	245.2	240.5	234.3	231.2	229.6
77.5°	174.9	173.4	179.6	187.4	189.0	187.4	190.6	189.0	182.7	182.7	179.6
80°	125.0	129.6	135.9	134.3	140.6	139.0	139.0	135.9	135.9	131.2	134.3
82.5°	82.8	87.5	89.0	87.5	89.0	92.2	93.7	92.2	92.2	89.0	90.6
85°	43.7	43.7	46.9	48.4	46.9	46.9	48.4	53.1	50.0	46.9	50.0
87.5°	14.1	12.5	12.5	14.1	12.5	12.5	14.1	14.1	15.6	15.6	15.6
90°	42.1	42.4	43.1	43.8	44.4	45.1	44.4	43.8	43.1	42.4	42.1
92.5°	49.6	49.8	50.1	50.4	50.8	51.1	50.8	50.4	50.1	49.8	49.6
95°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
97.5°	60.2	60.4	60.7	61.0	61.4	61.7	61.4	61.0	60.7	60.4	60.2
100°	61.7	61.9	62.2	62.5	62.9	63.2	62.9	62.5	62.2	61.9	61.7
102.5°	61.7	62.0	62.7	63.4	64.0	64.7	64.0	63.4	62.7	62.0	61.7
105°	63.2	63.5	64.2	64.9	65.5	66.2	65.5	64.9	64.2	63.5	63.2
107.5°	353.4	331.5	287.7	244.0	200.2	156.4	200.2	244.0	287.7	331.5	353.4
110°	628.6	604.7	556.9	509.2	461.4	413.6	461.4	509.2	556.9	604.7	628.6

TEST NUMBER: P1031465

CATALOG NUMBER: S123DIW-B1165D1535UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	786.5	786.2	785.5	784.8	784.2	783.5	784.2	784.8	785.5	786.2	786.5
115°	878.3	879.0	880.3	881.6	883.0	884.3	883.0	881.6	880.3	879.0	878.3
117.5°	964.0	964.2	964.5	964.8	965.2	965.5	965.2	964.8	964.5	964.2	964.0
120°	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7	1049.7
122.5°	1130.9	1131.1	1131.4	1131.7	1132.1	1132.4	1132.1	1131.7	1131.4	1131.1	1130.9
125°	1206.1	1206.4	1207.1	1207.8	1208.4	1209.1	1208.4	1207.8	1207.1	1206.4	1206.1
127.5°	1287.3	1287.0	1286.3	1285.6	1285.0	1284.3	1285.0	1285.6	1286.3	1287.0	1287.3
130°	1359.5	1359.2	1358.5	1357.8	1357.2	1356.5	1357.2	1357.8	1358.5	1359.2	1359.5
132.5°	1427.2	1426.7	1425.7	1424.7	1423.7	1422.7	1423.7	1424.7	1425.7	1426.7	1427.2
135°	1494.8	1494.3	1493.3	1492.3	1491.3	1490.3	1491.3	1492.3	1493.3	1494.3	1494.8
137.5°	1558.0	1557.7	1557.0	1556.3	1555.7	1555.0	1555.7	1556.3	1557.0	1557.7	1558.0
140°	1615.2	1614.9	1614.2	1613.5	1612.8	1612.1	1612.8	1613.5	1614.2	1614.9	1615.2
142.5°	1669.3	1668.8	1667.8	1666.8	1665.8	1664.8	1665.8	1666.8	1667.8	1668.8	1669.3
145°	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9	1718.9
147.5°	1765.5	1764.7	1763.0	1761.3	1759.7	1758.0	1759.7	1761.3	1763.0	1764.7	1765.5
150°	1807.6	1807.1	1806.1	1805.1	1804.1	1803.1	1804.1	1805.1	1806.1	1807.1	1807.6
152.5°	1846.7	1845.9	1844.2	1842.5	1840.9	1839.2	1840.9	1842.5	1844.2	1845.9	1846.7
155°	1881.3	1880.3	1878.3	1876.3	1874.3	1872.3	1874.3	1876.3	1878.3	1880.3	1881.3
157.5°	1912.9	1911.6	1908.9	1906.2	1903.6	1900.9	1903.6	1906.2	1908.9	1911.6	1912.9
160°	1938.5	1937.3	1935.0	1932.7	1930.3	1928.0	1930.3	1932.7	1935.0	1937.3	1938.5
162.5°	1962.5	1961.5	1959.5	1957.5	1955.5	1953.5	1955.5	1957.5	1959.5	1961.5	1962.5
165°	1983.6	1982.4	1980.1	1977.8	1975.4	1973.1	1975.4	1977.8	1980.1	1982.4	1983.6
167.5°	2000.1	1998.8	1996.1	1993.4	1990.8	1988.1	1990.8	1993.4	1996.1	1998.8	2000.1
170°	2013.7	2012.4	2009.7	2007.0	2004.3	2001.6	2004.3	2007.0	2009.7	2012.4	2013.7
172.5°	2022.7	2021.2	2018.2	2015.2	2012.2	2009.2	2012.2	2015.2	2018.2	2021.2	2022.7
175°	2028.7	2027.4	2024.7	2022.0	2019.4	2016.7	2019.4	2022.0	2024.7	2027.4	2028.7
177.5°	2033.2	2031.5	2028.2	2024.9	2021.5	2018.2	2021.5	2024.9	2028.2	2031.5	2033.2
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
2.5°	1530.7	1533.8	1535.4	1529.1	1524.4	1532.3	1543.2	1551.0	1557.2	1565.1	1569.7
5°	1440.1	1451.0	1451.0	1454.2	1458.8	1466.6	1487.0	1501.0	1513.5	1522.9	1530.7
7.5°	1363.6	1371.4	1376.1	1383.9	1391.7	1402.6	1426.0	1446.3	1465.1	1476.0	1488.5
10°	1294.8	1301.1	1308.9	1313.6	1327.6	1343.3	1372.9	1390.1	1412.0	1429.2	1444.8
12.5°	1229.2	1251.1	1255.8	1254.2	1266.7	1283.9	1313.6	1340.1	1363.6	1380.7	1397.9
15°	1182.4	1190.2	1199.6	1198.0	1224.6	1229.2	1254.2	1285.5	1316.7	1327.6	1343.3
17.5°	1130.8	1143.3	1152.7	1157.4	1165.2	1182.4	1205.8	1229.2	1269.8	1271.4	1312.0
20°	1090.2	1102.7	1109.0	1115.2	1119.9	1140.2	1160.5	1187.1	1219.9	1237.0	1258.9
22.5°	1063.7	1069.9	1074.6	1079.3	1085.5	1096.5	1121.5	1151.1	1173.0	1191.8	1205.8
25°	1032.4	1038.7	1044.9	1048.1	1052.7	1059.0	1077.7	1101.2	1132.4	1144.9	1159.0
27.5°	1010.6	1010.6	1013.7	1013.7	1019.9	1026.2	1040.2	1062.1	1087.1	1102.7	1121.5
30°	987.1	985.6	987.1	985.6	984.0	993.4	1005.9	1024.6	1041.8	1060.5	1073.0
32.5°	963.7	962.1	962.1	963.7	957.5	962.1	968.4	985.6	1004.3	1013.7	1027.7
35°	938.7	935.6	935.6	935.6	932.5	929.3	935.6	951.2	963.7	976.2	987.1
37.5°	913.7	909.0	909.0	905.9	902.8	898.1	898.1	910.6	927.8	932.5	946.5
40°	879.4	879.4	876.2	874.7	871.6	868.4	863.7	874.7	890.3	895.0	905.9
42.5°	845.0	840.3	838.8	838.8	838.8	834.1	830.9	838.8	848.1	855.9	862.2
45°	806.0	802.8	804.4	802.8	799.7	798.1	796.6	799.7	810.6	813.8	821.6
47.5°	763.8	762.2	762.2	760.7	759.1	760.7	754.4	762.2	765.3	768.5	774.7
50°	720.0	718.5	716.9	715.4	715.4	716.9	715.4	715.4	721.6	724.7	731.0
52.5°	676.3	671.6	671.6	670.1	670.1	666.9	670.1	671.6	674.8	677.9	681.0
55°	629.5	629.5	624.8	624.8	621.6	621.6	623.2	621.6	627.9	631.0	631.0
57.5°	584.2	577.9	579.5	576.4	573.2	571.7	571.7	574.8	577.9	577.9	581.0
60°	535.7	529.5	527.9	521.7	524.8	520.1	521.7	521.7	527.9	524.8	527.9
62.5°	487.3	479.5	474.8	471.7	471.7	473.3	470.1	468.6	471.7	474.8	481.1
65°	435.8	431.1	426.4	421.7	421.7	420.2	423.3	418.6	417.0	418.6	421.7
67.5°	382.7	378.0	373.3	368.6	370.2	365.5	362.4	367.1	363.9	365.5	368.6
70°	331.1	328.0	318.6	315.5	313.9	315.5	313.9	310.8	315.5	313.9	315.5
72.5°	279.6	276.5	271.8	264.0	264.0	262.4	260.8	260.8	259.3	259.3	259.3
75°	229.6	223.4	218.7	217.1	214.0	212.4	210.9	207.7	209.3	210.9	207.7
77.5°	178.1	170.3	168.7	168.7	164.0	164.0	165.6	164.0	162.4	162.4	162.4
80°	131.2	125.0	125.0	121.8	118.7	118.7	118.7	118.7	117.1	115.6	117.1
82.5°	84.3	82.8	81.2	81.2	84.3	78.1	81.2	79.7	78.1	78.1	76.5
85°	46.9	48.4	46.9	48.4	45.3	46.9	46.9	46.9	45.3	46.9	43.7
87.5°	17.2	17.2	17.2	18.7	18.7	18.7	18.7	18.7	20.3	18.7	18.7
90°	41.4	40.1	38.8	37.4	36.1	31.7	27.4	23.0	18.7	16.5	14.8
92.5°	48.4	46.1	43.8	41.4	39.1	36.1	33.1	30.1	27.1	25.6	26.6
95°	55.9	53.6	51.3	48.9	46.6	42.9	39.3	35.6	31.9	30.1	36.9
97.5°	58.9	56.2	53.5	50.8	48.1	65.1	82.2	99.2	116.3	124.8	129.5
100°	60.4	57.7	55.0	52.3	49.6	101.7	153.9	206.0	258.1	284.2	280.9
102.5°	67.2	78.2	89.3	100.3	111.3	169.5	227.6	285.8	343.9	373.0	370.8
105°	92.8	151.9	211.0	270.2	329.3	359.4	389.5	419.6	449.7	464.7	462.9
107.5°	379.1	430.6	482.1	533.5	585.0	580.0	575.0	569.9	564.9	562.4	560.9
110°	634.1	645.1	656.2	667.2	678.2	674.5	670.9	667.2	663.5	661.7	660.4

TEST NUMBER: P1031465

CATALOG NUMBER: S123DIW-B1165D1535UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	785.0	782.0	779.0	776.0	773.0	769.3	765.6	761.9	758.2	756.4	755.2
115°	876.6	873.3	869.9	866.6	863.2	860.2	857.2	854.2	851.2	849.7	848.7
117.5°	962.7	960.0	957.3	954.6	951.9	950.2	948.6	946.9	945.2	944.4	943.2
120°	1048.4	1045.7	1043.0	1040.4	1037.7	1036.7	1035.7	1034.7	1033.7	1033.2	1031.7
122.5°	1130.1	1128.4	1126.7	1125.1	1123.4	1122.1	1120.7	1119.4	1118.1	1117.4	1116.2
125°	1205.8	1205.1	1204.4	1203.8	1203.1	1201.8	1200.4	1199.1	1197.8	1197.1	1195.8
127.5°	1286.8	1285.8	1284.8	1283.8	1282.8	1281.1	1279.5	1277.8	1276.1	1275.3	1274.0
130°	1358.8	1357.5	1356.2	1354.8	1353.5	1352.2	1350.8	1349.5	1348.2	1347.5	1346.2
132.5°	1426.5	1425.2	1423.9	1422.5	1421.2	1420.2	1419.2	1418.1	1417.1	1416.6	1415.3
135°	1494.3	1493.3	1492.3	1491.3	1490.3	1489.0	1487.6	1486.3	1485.0	1484.3	1483.3
137.5°	1557.2	1555.5	1553.8	1552.2	1550.5	1549.8	1549.2	1548.5	1547.8	1547.5	1546.2
140°	1614.5	1613.2	1611.8	1610.5	1609.1	1608.1	1607.1	1606.1	1605.1	1604.6	1603.6
142.5°	1668.8	1667.8	1666.8	1665.8	1664.8	1663.8	1662.8	1661.8	1660.8	1660.3	1659.3
145°	1718.6	1717.9	1717.2	1716.6	1715.9	1715.2	1714.6	1713.9	1713.2	1712.9	1711.7
147.5°	1765.2	1764.5	1763.8	1763.2	1762.5	1761.8	1761.2	1760.5	1759.8	1759.5	1758.7
150°	1807.3	1806.6	1805.9	1805.3	1804.6	1803.9	1803.3	1802.6	1801.9	1801.6	1801.1
152.5°	1846.0	1844.7	1843.4	1842.0	1840.7	1840.4	1840.0	1839.7	1839.4	1839.2	1839.0
155°	1880.5	1878.8	1877.1	1875.5	1873.8	1873.5	1873.1	1872.8	1872.5	1872.3	1872.6
157.5°	1911.9	1909.9	1907.9	1905.9	1903.9	1904.2	1904.6	1904.9	1905.2	1905.4	1905.4
160°	1937.5	1935.5	1933.5	1931.5	1929.5	1929.8	1930.2	1930.5	1930.8	1931.0	1931.2
162.5°	1961.3	1959.0	1956.7	1954.3	1952.0	1952.3	1952.7	1953.0	1953.3	1953.5	1954.0
165°	1982.3	1979.6	1976.9	1974.3	1971.6	1971.9	1972.3	1972.6	1972.9	1973.1	1973.6
167.5°	1998.8	1996.1	1993.4	1990.8	1988.1	1988.1	1988.1	1988.1	1988.1	1988.1	1988.8
170°	2012.4	2009.7	2007.0	2004.3	2001.6	2001.6	2001.6	2001.6	2001.6	2001.6	2002.3
172.5°	2021.4	2018.7	2016.0	2013.4	2010.7	2010.4	2010.0	2009.7	2009.4	2009.2	2010.0
175°	2027.5	2025.2	2022.9	2020.5	2018.2	2017.9	2017.5	2017.2	2016.9	2016.7	2017.5
177.5°	2031.9	2029.2	2026.5	2023.9	2021.2	2020.9	2020.5	2020.2	2019.9	2019.7	2020.5
180°	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2	2024.2

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1611.9	1611.9	1611.9	1611.9
2.5°	1577.5	1582.2	1597.9	1616.6
5°	1546.3	1558.8	1580.7	1610.3
7.5°	1511.9	1530.7	1561.9	1599.4
10°	1472.9	1499.5	1538.5	1585.4
12.5°	1430.7	1465.1	1515.1	1563.5
15°	1404.2	1438.5	1483.8	1536.9
17.5°	1352.6	1393.2	1440.1	1515.1
20°	1299.5	1344.8	1405.7	1480.7
22.5°	1258.9	1307.3	1365.1	1444.8
25°	1210.5	1260.5	1323.0	1405.7
27.5°	1159.0	1208.9	1279.2	1366.7
30°	1119.9	1168.3	1235.5	1329.2
32.5°	1073.0	1119.9	1190.2	1288.6
35°	1019.9	1073.0	1140.2	1240.2
37.5°	979.3	1027.7	1098.0	1193.3
40°	935.6	977.8	1046.5	1140.2
42.5°	888.7	935.6	994.9	1088.7
45°	845.0	879.4	940.3	1029.3
47.5°	798.1	837.2	884.1	952.8
50°	748.2	781.0	832.5	879.4
52.5°	699.7	726.3	770.0	806.0
55°	648.2	674.8	707.6	729.4
57.5°	599.8	618.5	640.4	654.4
60°	540.4	559.2	573.2	587.3
62.5°	487.3	501.4	509.2	517.0
65°	432.7	440.5	445.1	451.4
67.5°	373.3	381.1	382.7	392.0
70°	318.6	320.2	323.3	328.0
72.5°	267.1	270.2	268.7	271.8
75°	214.0	217.1	214.0	217.1
77.5°	162.4	165.6	165.6	170.3
80°	117.1	118.7	120.3	120.3
82.5°	76.5	81.2	78.1	79.7
85°	43.7	45.3	45.3	46.9
87.5°	20.3	21.9	20.3	23.4
90°	11.5	8.2	4.8	1.5
92.5°	28.6	30.6	32.6	34.6
95°	50.6	64.3	78.0	91.7
97.5°	138.8	148.2	157.5	166.9
100°	274.2	267.5	260.9	254.2
102.5°	366.5	362.1	357.8	353.4
105°	459.2	455.5	451.9	448.2
107.5°	557.9	554.9	551.9	548.9
110°	657.7	655.0	652.4	649.7

TEST NUMBER: P1031465

CATALOG NUMBER: S123DIW-B1165D1535UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	752.9	750.6	748.2	745.9
115°	846.7	844.7	842.7	840.7
117.5°	940.9	938.6	936.2	933.9
120°	1028.7	1025.6	1022.6	1019.6
122.5°	1113.9	1111.5	1109.2	1106.8
125°	1193.1	1190.4	1187.7	1185.0
127.5°	1271.3	1268.6	1265.9	1263.2
130°	1343.5	1340.8	1338.1	1335.4
132.5°	1412.6	1409.9	1407.3	1404.6
135°	1481.3	1479.3	1477.3	1475.3
137.5°	1543.5	1540.8	1538.1	1535.4
140°	1601.6	1599.6	1597.6	1595.6
142.5°	1657.3	1655.2	1653.2	1651.2
145°	1709.4	1707.1	1704.7	1702.4
147.5°	1757.0	1755.3	1753.7	1752.0
150°	1800.1	1799.1	1798.1	1797.1
152.5°	1838.7	1838.4	1838.0	1837.7
155°	1873.3	1874.0	1874.6	1875.3
157.5°	1905.4	1905.4	1905.4	1905.4
160°	1931.5	1931.8	1932.2	1932.5
162.5°	1955.0	1956.0	1957.0	1958.0
165°	1974.6	1975.6	1976.6	1977.6
167.5°	1990.1	1991.4	1992.8	1994.1
170°	2003.6	2005.0	2006.3	2007.7
172.5°	2011.7	2013.4	2015.0	2016.7
175°	2019.2	2020.9	2022.5	2024.2
177.5°	2022.2	2023.9	2025.5	2027.2
180°	2024.2	2024.2	2024.2	2024.2

(END OF REPORT)