

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: P1031522

Luminaire Tested: S123DIW-B1165D755UB27-4F0-XX-W2A-A

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031522
REPORT IS A COMBINATION OF REPORTS P991113 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B1165D755UB27-4F0-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

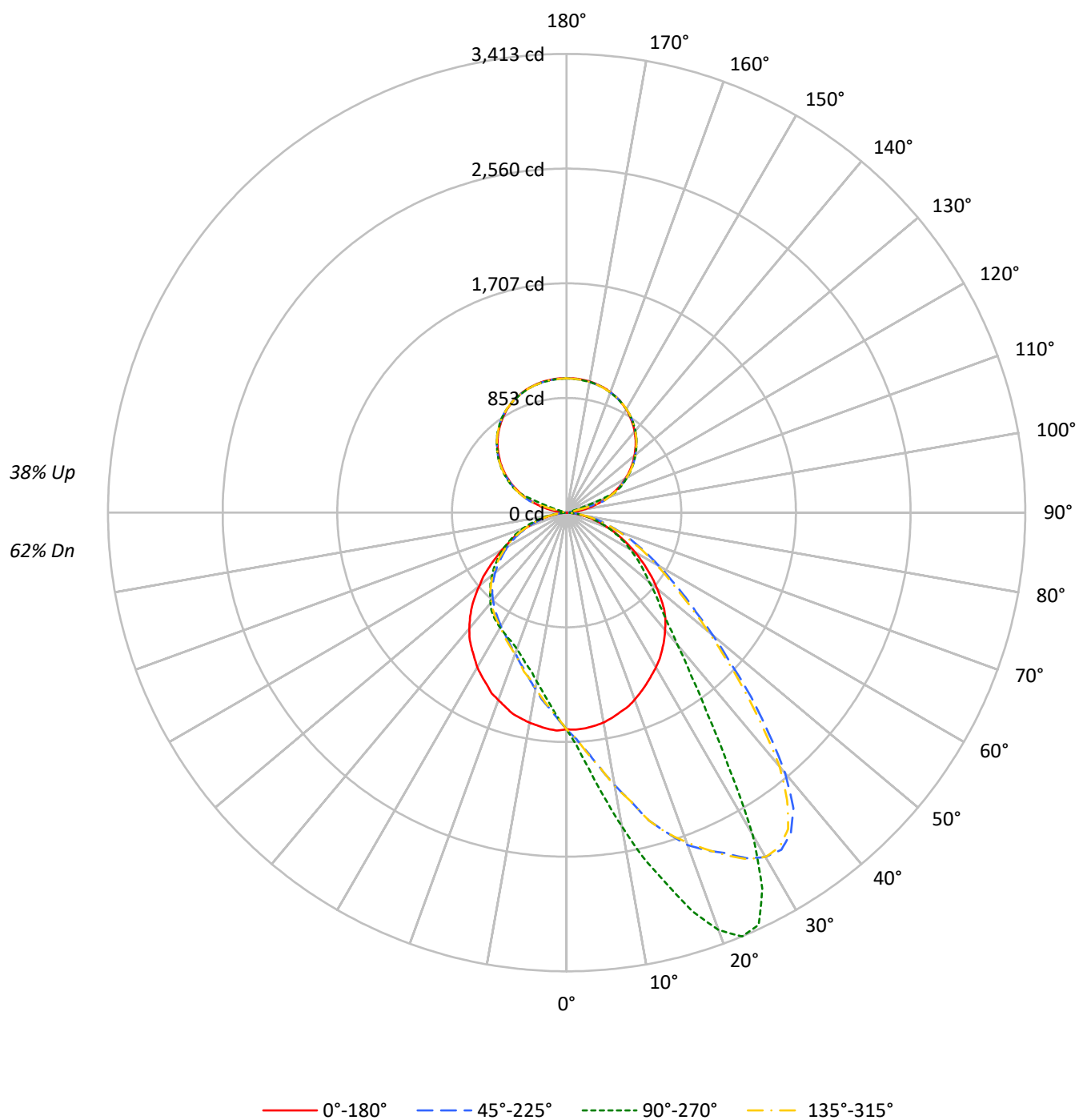
Lumens per Lamp: N/A
Luminaire Lumens: 7912.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 84.5
Input Voltage (V):
Input Current (A_{in}): 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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67
1	101	96	93	89	94	90	87	84	79	77	75	69	67	66	60	58	57
2	92	85	79	73	86	79	74	70	70	66	62	61	58	55	53	51	49
3	84	75	67	62	78	70	64	59	62	57	53	54	50	47	47	44	42
4	77	66	58	52	72	62	55	50	55	50	45	48	44	41	42	39	36
5	71	59	51	45	66	56	49	43	50	44	39	44	39	35	38	35	32
6	65	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18

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	2.0
10°-20°	509.2	6.4
20°-30°	856.7	10.8
30°-40°	968.2	12.2
40°-50°	867.2	11.0
50°-60°	700.0	8.8
60°-70°	487.8	6.2
70°-80°	256.0	3.2
80°-90°	63.4	0.8
90°-100°	35.2	0.4
100°-110°	170.3	2.2
110°-120°	417.3	5.3
120°-130°	529.8	6.7
130°-140°	565.9	7.2
140°-150°	529.2	6.7
150°-160°	426.9	5.4
160°-170°	275.5	3.5
170°-180°	94.9	1.2
0°-30°	1524.4	19.3
0°-40°	2492.6	31.5
0°-60°	4059.8	51.3
0°-90°	4867.0	61.5
90°-120°	622.8	7.9
90°-150°	2247.7	28.4
90°-180°	3045.0	38.5
0°-180°	7912.0	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°	1	22	1	22	1	6
95°	45	28	45	28	45	54
105°	221	33	221	33	221	234
115°	415	436	415	436	415	410
125°	585	597	585	597	585	522
135°	728	735	728	735	728	560
145°	840	848	840	848	840	526
155°	925	924	925	924	925	426
165°	976	974	976	974	976	276
175°	999	995	999	995	999	95
180°	999	999	999	999	999	

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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°	0.7	2.4	4.0	5.7	7.4	8.2	9.3	11.4	13.5	15.7	17.8
92.5°	17.1	16.1	15.1	14.1	13.1	12.6	13.3	14.8	16.3	17.8	19.3
95°	45.3	38.5	31.7	25.0	18.2	14.8	15.7	17.5	19.4	21.2	23.0
97.5°	82.4	77.8	73.2	68.5	63.9	61.6	57.4	49.0	40.5	32.1	23.7
100°	125.4	128.7	132.0	135.3	138.6	140.3	127.4	101.7	76.0	50.2	24.5
102.5°	174.4	176.5	178.7	180.8	182.9	184.0	169.7	141.0	112.3	83.6	54.9
105°	221.1	222.9	224.7	226.6	228.4	229.3	221.9	207.0	192.2	177.3	162.5
107.5°	270.9	272.4	273.8	275.3	276.8	277.5	278.7	281.2	283.7	286.2	288.7
110°	320.6	321.9	323.2	324.5	325.8	326.5	327.4	329.2	331.1	332.9	334.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	368.1	369.3	370.4	371.6	372.7	373.3	374.2	376.0	377.8	379.6	381.4
115°	414.8	415.8	416.8	417.8	418.8	419.3	420.0	421.5	423.0	424.4	425.9
117.5°	460.8	462.0	463.1	464.3	465.4	466.0	466.4	467.2	468.1	468.9	469.7
120°	503.1	504.6	506.1	507.6	509.1	509.8	510.0	510.5	511.0	511.5	512.0
122.5°	546.2	547.4	548.5	549.7	550.8	551.4	551.7	552.4	553.0	553.7	554.3
125°	584.8	586.1	587.4	588.7	590.0	590.7	591.0	591.7	592.4	593.0	593.7
127.5°	623.3	624.6	626.0	627.3	628.6	629.3	629.7	630.5	631.4	632.2	633.0
130°	659.0	660.3	661.6	662.9	664.2	664.9	665.2	665.9	666.6	667.2	667.9
132.5°	693.1	694.4	695.7	697.0	698.3	699.0	699.3	699.8	700.3	700.8	701.3
135°	728.0	729.0	730.0	730.9	731.9	732.4	732.7	733.4	734.1	734.7	735.4
137.5°	757.7	759.0	760.3	761.6	762.9	763.6	763.8	764.1	764.4	764.8	765.1
140°	787.3	788.3	789.3	790.3	791.3	791.8	792.0	792.5	793.0	793.5	794.0
142.5°	814.8	815.8	816.8	817.7	818.7	819.2	819.5	820.0	820.5	821.0	821.5
145°	840.0	841.2	842.3	843.5	844.6	845.2	845.4	845.7	846.0	846.4	846.7
147.5°	864.5	865.3	866.1	867.0	867.8	868.2	868.4	868.7	869.0	869.4	869.7
150°	886.8	887.3	887.8	888.3	888.8	889.0	889.2	889.5	889.8	890.2	890.5
152.5°	906.8	907.0	907.2	907.3	907.5	907.6	907.7	907.8	908.0	908.1	908.3
155°	925.4	925.1	924.7	924.4	924.1	923.9	924.0	924.1	924.3	924.4	924.6
157.5°	940.2	940.2	940.2	940.2	940.2	940.2	940.1	940.0	939.8	939.7	939.5
160°	953.6	953.4	953.2	953.1	952.9	952.8	952.7	952.6	952.4	952.3	952.1
162.5°	966.2	965.7	965.2	964.7	964.2	963.9	963.8	963.7	963.5	963.4	963.2
165°	975.8	975.3	974.8	974.3	973.8	973.6	973.5	973.4	973.2	973.1	972.9
167.5°	984.0	983.3	982.7	982.0	981.3	981.0	981.0	981.0	981.0	981.0	981.0
170°	990.7	990.0	989.4	988.7	988.0	987.7	987.7	987.7	987.7	987.7	987.7
172.5°	995.1	994.3	993.5	992.6	991.8	991.4	991.5	991.6	991.8	991.9	992.1
175°	998.8	998.0	997.2	996.3	995.5	995.1	995.2	995.4	995.5	995.7	995.9
177.5°	1000.3	999.5	998.7	997.8	997.0	996.6	996.7	996.8	997.0	997.1	997.3
180°	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8

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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°	18.5	19.1	19.8	20.5	20.8	21.0	21.3	21.6	22.0	22.3	22.0
92.5°	20.5	21.6	22.8	23.9	24.5	24.6	24.7	24.9	25.0	25.2	25.0
95°	24.2	25.3	26.5	27.6	28.2	28.2	28.2	28.2	28.2	28.2	28.2
97.5°	25.0	26.4	27.7	29.0	29.7	29.8	29.9	30.1	30.2	30.4	30.2
100°	25.8	27.1	28.4	29.7	30.4	30.5	30.7	30.8	31.0	31.2	31.0
102.5°	49.5	44.0	38.6	33.1	30.4	30.6	30.9	31.2	31.6	31.9	31.6
105°	133.3	104.1	75.0	45.8	31.2	31.4	31.7	32.0	32.4	32.7	32.4
107.5°	263.3	237.9	212.5	187.1	174.4	163.6	142.0	120.4	98.8	77.2	98.8
110°	329.3	323.8	318.4	312.9	310.2	298.4	274.8	251.3	227.7	204.1	227.7

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	382.9	384.4	385.9	387.4	388.1	387.9	387.6	387.3	386.9	386.6	386.9
115°	427.6	429.2	430.9	432.6	433.4	433.7	434.4	435.0	435.7	436.3	435.7
117.5°	471.0	472.4	473.7	475.0	475.7	475.8	475.9	476.1	476.2	476.4	476.2
120°	513.3	514.7	516.0	517.3	518.0	518.0	518.0	518.0	518.0	518.0	518.0
122.5°	555.1	555.9	556.8	557.6	558.0	558.1	558.3	558.4	558.6	558.8	558.6
125°	594.0	594.3	594.6	594.9	595.1	595.3	595.6	595.9	596.3	596.6	596.3
127.5°	633.5	634.0	634.5	635.0	635.2	635.0	634.7	634.4	634.0	633.7	634.0
130°	668.5	669.2	669.8	670.5	670.8	670.6	670.3	670.0	669.6	669.3	669.6
132.5°	701.9	702.6	703.2	703.9	704.2	704.0	703.5	703.0	702.5	702.0	702.5
135°	735.9	736.4	736.9	737.4	737.6	737.4	736.9	736.4	735.9	735.4	735.9
137.5°	765.9	766.7	767.6	768.4	768.8	768.6	768.3	768.0	767.6	767.3	767.6
140°	794.7	795.3	796.0	796.7	797.0	796.8	796.5	796.2	795.8	795.5	795.8
142.5°	822.0	822.5	823.0	823.5	823.7	823.5	823.0	822.5	822.0	821.5	822.0
145°	847.0	847.4	847.7	848.0	848.2	848.2	848.2	848.2	848.2	848.2	848.2
147.5°	870.0	870.4	870.7	871.0	871.2	870.8	870.0	869.1	868.3	867.5	868.3
150°	890.8	891.2	891.5	891.8	892.0	891.7	891.2	890.7	890.2	889.7	890.2
152.5°	909.0	909.6	910.3	911.0	911.3	910.9	910.1	909.2	908.4	907.6	908.4
155°	925.4	926.2	927.1	927.9	928.3	927.8	926.8	925.9	924.9	923.9	924.9
157.5°	940.5	941.5	942.4	943.4	943.9	943.2	941.9	940.6	939.3	938.0	939.3
160°	953.1	954.1	955.0	956.0	956.5	955.9	954.8	953.6	952.5	951.3	952.5
162.5°	964.4	965.5	966.7	967.8	968.4	967.9	966.9	965.9	964.9	963.9	964.9
165°	974.2	975.5	976.8	978.1	978.8	978.2	977.1	975.9	974.8	973.6	974.8
167.5°	982.3	983.7	985.0	986.3	987.0	986.3	985.0	983.7	982.3	981.0	982.3
170°	989.0	990.3	991.6	992.9	993.6	992.9	991.6	990.3	989.0	987.7	989.0
172.5°	993.4	994.8	996.1	997.4	998.1	997.4	995.9	994.4	992.9	991.4	992.9
175°	997.1	998.2	999.4	1000.5	1001.1	1000.4	999.1	997.8	996.4	995.1	996.4
177.5°	998.6	1000.0	1001.3	1002.6	1003.3	1002.5	1000.8	999.2	997.5	995.9	997.5
180°	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

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°	21.6	21.3	21.0	20.8	20.5	19.8	19.1	18.5	17.8	15.7	13.5
92.5°	24.9	24.7	24.6	24.5	23.9	22.8	21.6	20.5	19.3	17.8	16.3
95°	28.2	28.2	28.2	28.2	27.6	26.5	25.3	24.2	23.0	21.2	19.4
97.5°	30.1	29.9	29.8	29.7	29.0	27.7	26.4	25.0	23.7	32.1	40.5
100°	30.8	30.7	30.5	30.4	29.7	28.4	27.1	25.8	24.5	50.2	76.0
102.5°	31.2	30.9	30.6	30.4	33.1	38.6	44.0	49.5	54.9	83.6	112.3
105°	32.0	31.7	31.4	31.2	45.8	75.0	104.1	133.3	162.5	177.3	192.2
107.5°	120.4	142.0	163.6	174.4	187.1	212.5	237.9	263.3	288.7	286.2	283.7
110°	251.3	274.8	298.4	310.2	312.9	318.4	323.8	329.3	334.7	332.9	331.1

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	387.3	387.6	387.9	388.1	387.4	385.9	384.4	382.9	381.4	379.6	377.8
115°	435.0	434.4	433.7	433.4	432.6	430.9	429.2	427.6	425.9	424.4	423.0
117.5°	476.1	475.9	475.8	475.7	475.0	473.7	472.4	471.0	469.7	468.9	468.1
120°	518.0	518.0	518.0	518.0	517.3	516.0	514.7	513.3	512.0	511.5	511.0
122.5°	558.4	558.3	558.1	558.0	557.6	556.8	555.9	555.1	554.3	553.7	553.0
125°	595.9	595.6	595.3	595.1	594.9	594.6	594.3	594.0	593.7	593.0	592.4
127.5°	634.4	634.7	635.0	635.2	635.0	634.5	634.0	633.5	633.0	632.2	631.4
130°	670.0	670.3	670.6	670.8	670.5	669.8	669.2	668.5	667.9	667.2	666.6
132.5°	703.0	703.5	704.0	704.2	703.9	703.2	702.6	701.9	701.3	700.8	700.3
135°	736.4	736.9	737.4	737.6	737.4	736.9	736.4	735.9	735.4	734.7	734.1
137.5°	768.0	768.3	768.6	768.8	768.4	767.6	766.7	765.9	765.1	764.8	764.4
140°	796.2	796.5	796.8	797.0	796.7	796.0	795.3	794.7	794.0	793.5	793.0
142.5°	822.5	823.0	823.5	823.7	823.5	823.0	822.5	822.0	821.5	821.0	820.5
145°	848.2	848.2	848.2	848.2	848.0	847.7	847.4	847.0	846.7	846.4	846.0
147.5°	869.1	870.0	870.8	871.2	871.0	870.7	870.4	870.0	869.7	869.4	869.0
150°	890.7	891.2	891.7	892.0	891.8	891.5	891.2	890.8	890.5	890.2	889.8
152.5°	909.2	910.1	910.9	911.3	911.0	910.3	909.6	909.0	908.3	908.1	908.0
155°	925.9	926.8	927.8	928.3	927.9	927.1	926.2	925.4	924.6	924.4	924.3
157.5°	940.6	941.9	943.2	943.9	943.4	942.4	941.5	940.5	939.5	939.7	939.8
160°	953.6	954.8	955.9	956.5	956.0	955.0	954.1	953.1	952.1	952.3	952.4
162.5°	965.9	966.9	967.9	968.4	967.8	966.7	965.5	964.4	963.2	963.4	963.5
165°	975.9	977.1	978.2	978.8	978.1	976.8	975.5	974.2	972.9	973.1	973.2
167.5°	983.7	985.0	986.3	987.0	986.3	985.0	983.7	982.3	981.0	981.0	981.0
170°	990.3	991.6	992.9	993.6	992.9	991.6	990.3	989.0	987.7	987.7	987.7
172.5°	994.4	995.9	997.4	998.1	997.4	996.1	994.8	993.4	992.1	991.9	991.8
175°	997.8	999.1	1000.4	1001.1	1000.5	999.4	998.2	997.1	995.9	995.7	995.5
177.5°	999.2	1000.8	1002.5	1003.3	1002.6	1001.3	1000.0	998.6	997.3	997.1	997.0
180°	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

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°	11.4	9.3	8.2	7.4	5.7	4.0	2.4	0.7	2.4	4.0	5.7
92.5°	14.8	13.3	12.6	13.1	14.1	15.1	16.1	17.1	16.1	15.1	14.1
95°	17.5	15.7	14.8	18.2	25.0	31.7	38.5	45.3	38.5	31.7	25.0
97.5°	49.0	57.4	61.6	63.9	68.5	73.2	77.8	82.4	77.8	73.2	68.5
100°	101.7	127.4	140.3	138.6	135.3	132.0	128.7	125.4	128.7	132.0	135.3
102.5°	141.0	169.7	184.0	182.9	180.8	178.7	176.5	174.4	176.5	178.7	180.8
105°	207.0	221.9	229.3	228.4	226.6	224.7	222.9	221.1	222.9	224.7	226.6
107.5°	281.2	278.7	277.5	276.8	275.3	273.8	272.4	270.9	272.4	273.8	275.3
110°	329.2	327.4	326.5	325.8	324.5	323.2	321.9	320.6	321.9	323.2	324.5

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	376.0	374.2	373.3	372.7	371.6	370.4	369.3	368.1	369.3	370.4	371.6
115°	421.5	420.0	419.3	418.8	417.8	416.8	415.8	414.8	415.8	416.8	417.8
117.5°	467.2	466.4	466.0	465.4	464.3	463.1	462.0	460.8	462.0	463.1	464.3
120°	510.5	510.0	509.8	509.1	507.6	506.1	504.6	503.1	504.6	506.1	507.6
122.5°	552.4	551.7	551.4	550.8	549.7	548.5	547.4	546.2	547.4	548.5	549.7
125°	591.7	591.0	590.7	590.0	588.7	587.4	586.1	584.8	586.1	587.4	588.7
127.5°	630.5	629.7	629.3	628.6	627.3	626.0	624.6	623.3	624.6	626.0	627.3
130°	665.9	665.2	664.9	664.2	662.9	661.6	660.3	659.0	660.3	661.6	662.9
132.5°	699.8	699.3	699.0	698.3	697.0	695.7	694.4	693.1	694.4	695.7	697.0
135°	733.4	732.7	732.4	731.9	730.9	730.0	729.0	728.0	729.0	730.0	730.9
137.5°	764.1	763.8	763.6	762.9	761.6	760.3	759.0	757.7	759.0	760.3	761.6
140°	792.5	792.0	791.8	791.3	790.3	789.3	788.3	787.3	788.3	789.3	790.3
142.5°	820.0	819.5	819.2	818.7	817.7	816.8	815.8	814.8	815.8	816.8	817.7
145°	845.7	845.4	845.2	844.6	843.5	842.3	841.2	840.0	841.2	842.3	843.5
147.5°	868.7	868.4	868.2	867.8	867.0	866.1	865.3	864.5	865.3	866.1	867.0
150°	889.5	889.2	889.0	888.8	888.3	887.8	887.3	886.8	887.3	887.8	888.3
152.5°	907.8	907.7	907.6	907.5	907.3	907.2	907.0	906.8	907.0	907.2	907.3
155°	924.1	924.0	923.9	924.1	924.4	924.7	925.1	925.4	925.1	924.7	924.4
157.5°	940.0	940.1	940.2	940.2	940.2	940.2	940.2	940.2	940.2	940.2	940.2
160°	952.6	952.7	952.8	952.9	953.1	953.2	953.4	953.6	953.4	953.2	953.1
162.5°	963.7	963.8	963.9	964.2	964.7	965.2	965.7	966.2	965.7	965.2	964.7
165°	973.4	973.5	973.6	973.8	974.3	974.8	975.3	975.8	975.3	974.8	974.3
167.5°	981.0	981.0	981.0	981.3	982.0	982.7	983.3	984.0	983.3	982.7	982.0
170°	987.7	987.7	987.7	988.0	988.7	989.4	990.0	990.7	990.0	989.4	988.7
172.5°	991.6	991.5	991.4	991.8	992.6	993.5	994.3	995.1	994.3	993.5	992.6
175°	995.4	995.2	995.1	995.5	996.3	997.2	998.0	998.8	998.0	997.2	996.3
177.5°	996.8	996.7	996.6	997.0	997.8	998.7	999.5	1000.3	999.5	998.7	997.8
180°	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

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°	7.4	8.2	9.3	11.4	13.5	15.7	17.8	18.5	19.1	19.8	20.5
92.5°	13.1	12.6	13.3	14.8	16.3	17.8	19.3	20.5	21.6	22.8	23.9
95°	18.2	14.8	15.7	17.5	19.4	21.2	23.0	24.2	25.3	26.5	27.6
97.5°	63.9	61.6	57.4	49.0	40.5	32.1	23.7	25.0	26.4	27.7	29.0
100°	138.6	140.3	127.4	101.7	76.0	50.2	24.5	25.8	27.1	28.4	29.7
102.5°	182.9	184.0	169.7	141.0	112.3	83.6	54.9	49.5	44.0	38.6	33.1
105°	228.4	229.3	221.9	207.0	192.2	177.3	162.5	133.3	104.1	75.0	45.8
107.5°	276.8	277.5	278.7	281.2	283.7	286.2	288.7	263.3	237.9	212.5	187.1
110°	325.8	326.5	327.4	329.2	331.1	332.9	334.7	329.3	323.8	318.4	312.9

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	372.7	373.3	374.2	376.0	377.8	379.6	381.4	382.9	384.4	385.9	387.4
115°	418.8	419.3	420.0	421.5	423.0	424.4	425.9	427.6	429.2	430.9	432.6
117.5°	465.4	466.0	466.4	467.2	468.1	468.9	469.7	471.0	472.4	473.7	475.0
120°	509.1	509.8	510.0	510.5	511.0	511.5	512.0	513.3	514.7	516.0	517.3
122.5°	550.8	551.4	551.7	552.4	553.0	553.7	554.3	555.1	555.9	556.8	557.6
125°	590.0	590.7	591.0	591.7	592.4	593.0	593.7	594.0	594.3	594.6	594.9
127.5°	628.6	629.3	629.7	630.5	631.4	632.2	633.0	633.5	634.0	634.5	635.0
130°	664.2	664.9	665.2	665.9	666.6	667.2	667.9	668.5	669.2	669.8	670.5
132.5°	698.3	699.0	699.3	699.8	700.3	700.8	701.3	701.9	702.6	703.2	703.9
135°	731.9	732.4	732.7	733.4	734.1	734.7	735.4	735.9	736.4	736.9	737.4
137.5°	762.9	763.6	763.8	764.1	764.4	764.8	765.1	765.9	766.7	767.6	768.4
140°	791.3	791.8	792.0	792.5	793.0	793.5	794.0	794.7	795.3	796.0	796.7
142.5°	818.7	819.2	819.5	820.0	820.5	821.0	821.5	822.0	822.5	823.0	823.5
145°	844.6	845.2	845.4	845.7	846.0	846.4	846.7	847.0	847.4	847.7	848.0
147.5°	867.8	868.2	868.4	868.7	869.0	869.4	869.7	870.0	870.4	870.7	871.0
150°	888.8	889.0	889.2	889.5	889.8	890.2	890.5	890.8	891.2	891.5	891.8
152.5°	907.5	907.6	907.7	907.8	908.0	908.1	908.3	909.0	909.6	910.3	911.0
155°	924.1	923.9	924.0	924.1	924.3	924.4	924.6	925.4	926.2	927.1	927.9
157.5°	940.2	940.2	940.1	940.0	939.8	939.7	939.5	940.5	941.5	942.4	943.4
160°	952.9	952.8	952.7	952.6	952.4	952.3	952.1	953.1	954.1	955.0	956.0
162.5°	964.2	963.9	963.8	963.7	963.5	963.4	963.2	964.4	965.5	966.7	967.8
165°	973.8	973.6	973.5	973.4	973.2	973.1	972.9	974.2	975.5	976.8	978.1
167.5°	981.3	981.0	981.0	981.0	981.0	981.0	981.0	982.3	983.7	985.0	986.3
170°	988.0	987.7	987.7	987.7	987.7	987.7	987.7	989.0	990.3	991.6	992.9
172.5°	991.8	991.4	991.5	991.6	991.8	991.9	992.1	993.4	994.8	996.1	997.4
175°	995.5	995.1	995.2	995.4	995.5	995.7	995.9	997.1	998.2	999.4	1000.5
177.5°	997.0	996.6	996.7	996.8	997.0	997.1	997.3	998.6	1000.0	1001.3	1002.6
180°	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

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°	20.8	21.0	21.3	21.6	22.0	22.3	22.0	21.6	21.3	21.0	20.8
92.5°	24.5	24.6	24.7	24.9	25.0	25.2	25.0	24.9	24.7	24.6	24.5
95°	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
97.5°	29.7	29.8	29.9	30.1	30.2	30.4	30.2	30.1	29.9	29.8	29.7
100°	30.4	30.5	30.7	30.8	31.0	31.2	31.0	30.8	30.7	30.5	30.4
102.5°	30.4	30.6	30.9	31.2	31.6	31.9	31.6	31.2	30.9	30.6	30.4
105°	31.2	31.4	31.7	32.0	32.4	32.7	32.4	32.0	31.7	31.4	31.2
107.5°	174.4	163.6	142.0	120.4	98.8	77.2	98.8	120.4	142.0	163.6	174.4
110°	310.2	298.4	274.8	251.3	227.7	204.1	227.7	251.3	274.8	298.4	310.2

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	388.1	387.9	387.6	387.3	386.9	386.6	386.9	387.3	387.6	387.9	388.1
115°	433.4	433.7	434.4	435.0	435.7	436.3	435.7	435.0	434.4	433.7	433.4
117.5°	475.7	475.8	475.9	476.1	476.2	476.4	476.2	476.1	475.9	475.8	475.7
120°	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0	518.0
122.5°	558.0	558.1	558.3	558.4	558.6	558.8	558.6	558.4	558.3	558.1	558.0
125°	595.1	595.3	595.6	595.9	596.3	596.6	596.3	595.9	595.6	595.3	595.1
127.5°	635.2	635.0	634.7	634.4	634.0	633.7	634.0	634.4	634.7	635.0	635.2
130°	670.8	670.6	670.3	670.0	669.6	669.3	669.6	670.0	670.3	670.6	670.8
132.5°	704.2	704.0	703.5	703.0	702.5	702.0	702.5	703.0	703.5	704.0	704.2
135°	737.6	737.4	736.9	736.4	735.9	735.4	735.9	736.4	736.9	737.4	737.6
137.5°	768.8	768.6	768.3	768.0	767.6	767.3	767.6	768.0	768.3	768.6	768.8
140°	797.0	796.8	796.5	796.2	795.8	795.5	795.8	796.2	796.5	796.8	797.0
142.5°	823.7	823.5	823.0	822.5	822.0	821.5	822.0	822.5	823.0	823.5	823.7
145°	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2	848.2
147.5°	871.2	870.8	870.0	869.1	868.3	867.5	868.3	869.1	870.0	870.8	871.2
150°	892.0	891.7	891.2	890.7	890.2	889.7	890.2	890.7	891.2	891.7	892.0
152.5°	911.3	910.9	910.1	909.2	908.4	907.6	908.4	909.2	910.1	910.9	911.3
155°	928.3	927.8	926.8	925.9	924.9	923.9	924.9	925.9	926.8	927.8	928.3
157.5°	943.9	943.2	941.9	940.6	939.3	938.0	939.3	940.6	941.9	943.2	943.9
160°	956.5	955.9	954.8	953.6	952.5	951.3	952.5	953.6	954.8	955.9	956.5
162.5°	968.4	967.9	966.9	965.9	964.9	963.9	964.9	965.9	966.9	967.9	968.4
165°	978.8	978.2	977.1	975.9	974.8	973.6	974.8	975.9	977.1	978.2	978.8
167.5°	987.0	986.3	985.0	983.7	982.3	981.0	982.3	983.7	985.0	986.3	987.0
170°	993.6	992.9	991.6	990.3	989.0	987.7	989.0	990.3	991.6	992.9	993.6
172.5°	998.1	997.4	995.9	994.4	992.9	991.4	992.9	994.4	995.9	997.4	998.1
175°	1001.1	1000.4	999.1	997.8	996.4	995.1	996.4	997.8	999.1	1000.4	1001.1
177.5°	1003.3	1002.5	1000.8	999.2	997.5	995.9	997.5	999.2	1000.8	1002.5	1003.3
180°	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

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°	20.5	19.8	19.1	18.5	17.8	15.7	13.5	11.4	9.3	8.2	7.4
92.5°	23.9	22.8	21.6	20.5	19.3	17.8	16.3	14.8	13.3	12.6	13.1
95°	27.6	26.5	25.3	24.2	23.0	21.2	19.4	17.5	15.7	14.8	18.2
97.5°	29.0	27.7	26.4	25.0	23.7	32.1	40.5	49.0	57.4	61.6	63.9
100°	29.7	28.4	27.1	25.8	24.5	50.2	76.0	101.7	127.4	140.3	138.6
102.5°	33.1	38.6	44.0	49.5	54.9	83.6	112.3	141.0	169.7	184.0	182.9
105°	45.8	75.0	104.1	133.3	162.5	177.3	192.2	207.0	221.9	229.3	228.4
107.5°	187.1	212.5	237.9	263.3	288.7	286.2	283.7	281.2	278.7	277.5	276.8
110°	312.9	318.4	323.8	329.3	334.7	332.9	331.1	329.2	327.4	326.5	325.8

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	387.4	385.9	384.4	382.9	381.4	379.6	377.8	376.0	374.2	373.3	372.7
115°	432.6	430.9	429.2	427.6	425.9	424.4	423.0	421.5	420.0	419.3	418.8
117.5°	475.0	473.7	472.4	471.0	469.7	468.9	468.1	467.2	466.4	466.0	465.4
120°	517.3	516.0	514.7	513.3	512.0	511.5	511.0	510.5	510.0	509.8	509.1
122.5°	557.6	556.8	555.9	555.1	554.3	553.7	553.0	552.4	551.7	551.4	550.8
125°	594.9	594.6	594.3	594.0	593.7	593.0	592.4	591.7	591.0	590.7	590.0
127.5°	635.0	634.5	634.0	633.5	633.0	632.2	631.4	630.5	629.7	629.3	628.6
130°	670.5	669.8	669.2	668.5	667.9	667.2	666.6	665.9	665.2	664.9	664.2
132.5°	703.9	703.2	702.6	701.9	701.3	700.8	700.3	699.8	699.3	699.0	698.3
135°	737.4	736.9	736.4	735.9	735.4	734.7	734.1	733.4	732.7	732.4	731.9
137.5°	768.4	767.6	766.7	765.9	765.1	764.8	764.4	764.1	763.8	763.6	762.9
140°	796.7	796.0	795.3	794.7	794.0	793.5	793.0	792.5	792.0	791.8	791.3
142.5°	823.5	823.0	822.5	822.0	821.5	821.0	820.5	820.0	819.5	819.2	818.7
145°	848.0	847.7	847.4	847.0	846.7	846.4	846.0	845.7	845.4	845.2	844.6
147.5°	871.0	870.7	870.4	870.0	869.7	869.4	869.0	868.7	868.4	868.2	867.8
150°	891.8	891.5	891.2	890.8	890.5	890.2	889.8	889.5	889.2	889.0	888.8
152.5°	911.0	910.3	909.6	909.0	908.3	908.1	908.0	907.8	907.7	907.6	907.5
155°	927.9	927.1	926.2	925.4	924.6	924.4	924.3	924.1	924.0	923.9	924.1
157.5°	943.4	942.4	941.5	940.5	939.5	939.7	939.8	940.0	940.1	940.2	940.2
160°	956.0	955.0	954.1	953.1	952.1	952.3	952.4	952.6	952.7	952.8	952.9
162.5°	967.8	966.7	965.5	964.4	963.2	963.4	963.5	963.7	963.8	963.9	964.2
165°	978.1	976.8	975.5	974.2	972.9	973.1	973.2	973.4	973.5	973.6	973.8
167.5°	986.3	985.0	983.7	982.3	981.0	981.0	981.0	981.0	981.0	981.0	981.3
170°	992.9	991.6	990.3	989.0	987.7	987.7	987.7	987.7	987.7	987.7	988.0
172.5°	997.4	996.1	994.8	993.4	992.1	991.9	991.8	991.6	991.5	991.4	991.8
175°	1000.5	999.4	998.2	997.1	995.9	995.7	995.5	995.4	995.2	995.1	995.5
177.5°	1002.6	1001.3	1000.0	998.6	997.3	997.1	997.0	996.8	996.7	996.6	997.0
180°	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8	998.8

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

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°	5.7	4.0	2.4	0.7
92.5°	14.1	15.1	16.1	17.1
95°	25.0	31.7	38.5	45.3
97.5°	68.5	73.2	77.8	82.4
100°	135.3	132.0	128.7	125.4
102.5°	180.8	178.7	176.5	174.4
105°	226.6	224.7	222.9	221.1
107.5°	275.3	273.8	272.4	270.9
110°	324.5	323.2	321.9	320.6

TEST NUMBER: P1031522

CATALOG NUMBER: S123DIW-B1165D755UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	371.6	370.4	369.3	368.1
115°	417.8	416.8	415.8	414.8
117.5°	464.3	463.1	462.0	460.8
120°	507.6	506.1	504.6	503.1
122.5°	549.7	548.5	547.4	546.2
125°	588.7	587.4	586.1	584.8
127.5°	627.3	626.0	624.6	623.3
130°	662.9	661.6	660.3	659.0
132.5°	697.0	695.7	694.4	693.1
135°	730.9	730.0	729.0	728.0
137.5°	761.6	760.3	759.0	757.7
140°	790.3	789.3	788.3	787.3
142.5°	817.7	816.8	815.8	814.8
145°	843.5	842.3	841.2	840.0
147.5°	867.0	866.1	865.3	864.5
150°	888.3	887.8	887.3	886.8
152.5°	907.3	907.2	907.0	906.8
155°	924.4	924.7	925.1	925.4
157.5°	940.2	940.2	940.2	940.2
160°	953.1	953.2	953.4	953.6
162.5°	964.7	965.2	965.7	966.2
165°	974.3	974.8	975.3	975.8
167.5°	982.0	982.7	983.3	984.0
170°	988.7	989.4	990.0	990.7
172.5°	992.6	993.5	994.3	995.1
175°	996.3	997.2	998.0	998.8
177.5°	997.8	998.7	999.5	1000.3
180°	998.8	998.8	998.8	998.8

(END OF REPORT)