

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: P1000815

Luminaire Tested: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000815
REPORT IS A COMBINATION OF REPORTS P995428 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K
Description: Define 4 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

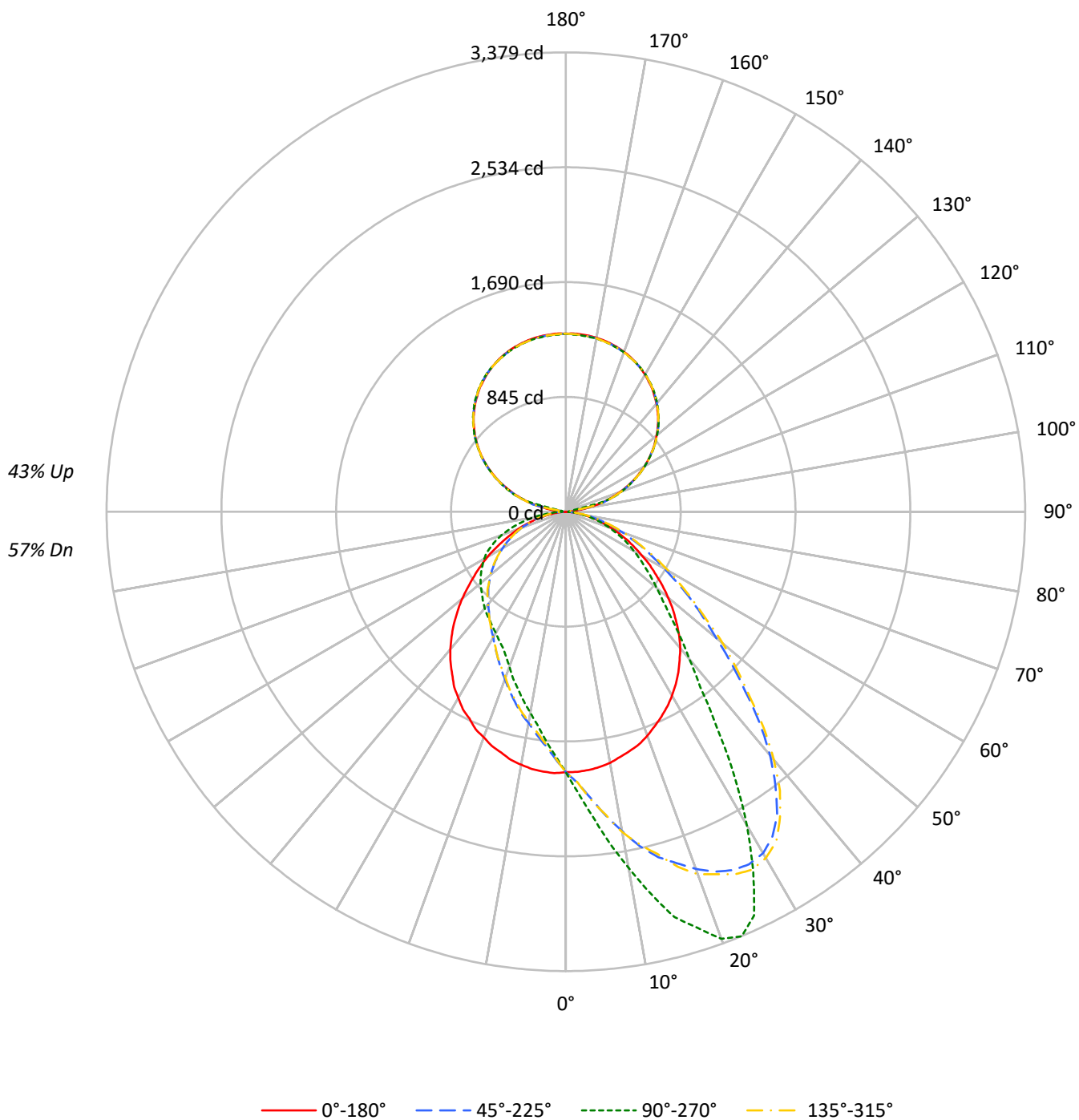
Lumens per Lamp: N/A
Luminaire Lumens: 9340.0 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 89.8
Input Voltage (V): 120
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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62
1	100	95	91	88	92	89	85	82	77	74	72	66	64	62	55	54	53
2	91	83	77	72	84	78	73	68	68	64	60	58	55	52	49	47	45
3	83	74	66	61	77	69	62	57	60	55	51	51	48	45	44	41	39
4	76	65	57	51	71	61	54	49	53	48	44	46	42	38	39	36	34
5	70	58	50	44	65	55	48	42	48	42	38	41	37	34	35	32	29
6	65	52	44	39	60	49	42	37	43	37	33	38	33	29	32	29	26
7	60	47	40	34	56	45	37	32	39	33	29	34	30	26	29	26	23
8	56	43	35	30	52	41	34	29	36	30	26	31	27	23	27	24	21
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15615	15615	15615	15615
5°	15576	17914	15667	13460
10°	15459	20900	15577	11809
15°	15273	24094	15380	10567
20°	15076	26126	15185	9474
25°	14787	25827	14928	8667
30°	14505	21347	14681	8251
35°	14109	15908	14264	8000
40°	13647	11984	13778	7877
45°	12941	9618	13102	7709
50°	12097	8103	12274	7630
55°	11106	7052	11281	7540
60°	10144	6211	10441	7415
65°	9239	5343	9327	7106
70°	8177	4396	8353	6543
75°	7132	3378	7086	5559
80°	5610	2220	5548	4220
85°	3697	998	3464	2461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 20191 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	2.0
10°-20°	575.2	6.2
20°-30°	913.8	9.8
30°-40°	1015.4	10.9
40°-50°	923.4	9.9
50°-60°	754.6	8.1
60°-70°	538.6	5.8
70°-80°	296.4	3.2
80°-90°	82.8	0.9
90°-100°	43.5	0.5
100°-110°	286.4	3.1
110°-120°	546.8	5.9
120°-130°	694.2	7.4
130°-140°	742.6	8.0
140°-150°	694.4	7.4
150°-160°	560.0	6.0
160°-170°	361.1	3.9
170°-180°	124.5	1.3
0°-30°	1675.4	17.9
0°-40°	2690.8	28.8
0°-60°	4368.8	46.8
0°-90°	5286.7	56.6
90°-120°	876.6	9.4
90°-150°	3007.7	32.2
90°-180°	4053.0	43.4
0°-180°	9340.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1915	1915	1915	1915	1915	
5°	1907	2246	1918	1688	1907	181
15°	1821	3086	1834	1353	1821	514
25°	1663	3276	1678	1099	1663	766
35°	1442	1937	1458	974	1442	901
45°	1150	1087	1164	871	1150	887
55°	809	711	822	760	809	728
65°	504	457	509	608	504	498
75°	248	228	246	376	248	260
85°	51	48	48	117	51	59
90°	3	29	3	29	3	6
95°	54	28	54	28	54	66
105°	295	279	295	279	295	309
115°	551	554	551	554	551	542
125°	774	780	774	780	774	691
135°	960	967	960	967	960	740
145°	1107	1113	1107	1113	1107	692
155°	1214	1213	1214	1213	1214	560
165°	1280	1275	1280	1275	1280	362
175°	1310	1302	1310	1302	1310	125
180°	1310	1310	1310	1310	1310	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1914.9	1933.9	1941.9	1948.2	1968.8	1975.2	1976.8	1986.3	1994.2	1995.8	1995.8
5°	1907.0	1937.1	1960.9	1983.1	2016.4	2030.7	2048.2	2067.2	2092.6	2108.4	2116.4
7.5°	1894.3	1938.7	1975.2	2013.3	2059.3	2087.8	2103.7	2154.4	2189.4	2217.9	2252.8
10°	1875.2	1932.3	1984.7	2040.2	2105.3	2140.2	2175.1	2236.9	2286.1	2341.7	2386.1
12.5°	1846.7	1921.2	1984.7	2062.4	2143.3	2184.6	2225.8	2333.7	2390.8	2440.0	2519.3
15°	1821.3	1895.9	1986.3	2065.6	2165.6	2227.4	2287.7	2357.5	2447.9	2554.2	2630.4
17.5°	1792.7	1886.3	1970.4	2081.5	2192.5	2251.2	2300.4	2408.3	2535.2	2639.9	2709.7
20°	1753.1	1848.3	1959.3	2076.7	2208.4	2254.4	2319.4	2463.8	2578.0	2681.2	2795.4
22.5°	1707.1	1818.1	1935.5	2048.2	2184.6	2281.4	2352.8	2479.7	2617.7	2736.7	2865.2
25°	1662.6	1783.2	1886.3	2040.2	2184.6	2249.6	2330.5	2481.3	2632.0	2776.4	2908.0
27.5°	1615.0	1727.7	1867.3	1989.5	2152.9	2224.3	2311.5	2476.5	2636.7	2781.1	2922.3
30°	1562.7	1683.3	1799.1	1943.4	2102.1	2194.1	2275.0	2454.3	2617.7	2768.4	2900.1
32.5°	1504.0	1618.2	1742.0	1878.4	2045.0	2138.6	2240.1	2424.2	2598.7	2728.8	2830.3
35°	1442.1	1557.9	1665.8	1805.4	1976.8	2070.4	2168.7	2371.8	2544.7	2651.0	2709.7
37.5°	1373.9	1483.4	1589.7	1727.7	1899.0	1999.0	2098.9	2295.6	2459.1	2547.9	2532.0
40°	1308.9	1407.2	1505.6	1635.7	1814.9	1921.2	2008.5	2206.8	2349.6	2387.7	2335.3
42.5°	1234.3	1318.4	1413.6	1546.8	1721.3	1821.3	1930.8	2111.6	2217.9	2202.0	2113.2
45°	1150.2	1224.8	1320.0	1445.3	1623.0	1726.1	1818.1	1989.5	2067.2	2027.5	1865.7
47.5°	1069.3	1142.3	1220.0	1345.3	1518.3	1605.5	1699.1	1853.0	1897.4	1813.4	1651.5
50°	982.0	1042.3	1123.2	1242.2	1404.0	1496.1	1573.8	1697.5	1713.4	1610.3	1442.1
52.5°	898.0	948.7	1026.5	1143.9	1294.6	1367.6	1443.7	1553.2	1540.5	1434.2	1272.4
55°	809.1	856.7	928.1	1036.0	1169.2	1239.0	1304.1	1400.9	1373.9	1264.4	1123.2
57.5°	734.5	767.9	837.7	937.6	1047.1	1123.2	1178.8	1254.9	1213.7	1104.2	972.5
60°	648.9	690.1	748.8	829.7	937.6	988.4	1037.6	1088.3	1059.8	955.1	837.7
62.5°	571.1	602.9	653.6	731.4	815.5	861.5	913.8	945.5	917.0	820.2	721.9
65°	504.5	529.9	569.5	633.0	713.9	752.0	782.1	812.3	788.5	698.1	626.7
67.5°	431.5	453.7	487.1	537.8	606.0	633.0	661.6	682.2	655.2	594.9	525.1
70°	366.5	382.3	414.1	452.1	499.7	525.1	548.9	569.5	545.8	495.0	442.6
72.5°	299.8	312.5	341.1	368.1	410.9	428.4	445.8	461.7	453.7	406.1	363.3
75°	247.5	252.3	271.3	293.5	320.5	339.5	352.2	361.7	355.4	317.3	290.3
77.5°	187.2	193.6	207.8	225.3	249.1	260.2	268.1	277.6	269.7	239.6	220.5
80°	136.4	138.0	146.0	161.8	177.7	179.3	187.2	199.9	195.1	174.5	160.2
82.5°	87.3	92.0	95.2	104.7	115.8	119.0	123.7	126.9	125.3	112.6	107.9
85°	50.8	50.8	53.9	60.3	63.5	68.2	69.8	71.4	74.6	66.6	61.9
87.5°	22.2	23.8	23.8	25.4	28.6	28.6	30.1	31.7	33.3	31.7	27.0
90°	2.9	5.3	7.7	10.1	12.5	13.7	14.6	16.3	18.1	19.8	21.6
92.5°	14.7	14.3	13.8	13.4	12.9	12.7	13.6	15.3	17.1	18.8	20.6
95°	53.9	46.5	39.1	31.7	24.3	20.6	20.7	20.9	21.2	21.4	21.6
97.5°	102.9	107.7	112.5	117.2	122.0	124.4	113.0	90.1	67.3	44.4	21.6
100°	160.7	164.6	168.5	172.4	176.3	178.3	163.3	133.2	103.2	73.1	43.1
102.5°	225.3	227.9	230.5	233.2	235.8	237.1	238.4	241.0	243.7	246.3	248.9
105°	294.9	296.2	297.5	298.8	300.1	300.8	301.3	302.4	303.5	304.6	305.7
107.5°	358.6	359.2	359.9	360.5	361.2	361.5	362.3	363.8	365.3	366.9	368.4
110°	423.2	423.9	424.5	425.2	425.9	426.2	426.9	428.2	429.5	430.8	432.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	485.9	487.2	488.5	489.8	491.1	491.8	492.0	492.5	492.9	493.4	493.8
115°	550.6	551.2	551.9	552.5	553.2	553.5	553.4	553.2	553.0	552.8	552.6
117.5°	608.4	609.3	610.1	611.0	611.9	612.3	612.6	613.3	614.0	614.6	615.3
120°	667.2	668.1	668.9	669.8	670.7	671.1	671.0	670.8	670.5	670.3	670.1
122.5°	722.1	722.5	722.9	723.4	723.8	724.0	724.2	724.7	725.1	725.6	726.0
125°	774.0	774.9	775.7	776.6	777.5	777.9	777.7	777.2	776.8	776.3	775.9
127.5°	824.0	824.2	824.4	824.6	824.8	824.9	825.4	826.5	827.6	828.7	829.8
130°	872.0	872.2	872.4	872.6	872.8	872.9	873.2	873.9	874.6	875.2	875.9
132.5°	916.0	916.4	916.9	917.3	917.8	918.0	918.4	919.3	920.2	921.0	921.9
135°	960.1	959.9	959.7	959.5	959.3	959.2	959.6	960.5	961.4	962.2	963.1
137.5°	999.3	999.3	999.3	999.3	999.3	999.3	999.8	1000.9	1002.0	1003.1	1004.2
140°	1037.5	1037.9	1038.4	1038.8	1039.3	1039.5	1039.7	1040.2	1040.6	1041.1	1041.5
142.5°	1071.8	1072.7	1073.5	1074.4	1075.3	1075.7	1075.8	1076.0	1076.3	1076.5	1076.7
145°	1107.1	1107.7	1108.4	1109.0	1109.7	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0
147.5°	1134.5	1135.8	1137.1	1138.4	1139.7	1140.4	1140.3	1140.1	1139.8	1139.6	1139.4
150°	1164.9	1165.8	1166.6	1167.5	1168.4	1168.8	1168.7	1168.5	1168.2	1168.0	1167.8
152.5°	1190.4	1191.0	1191.7	1192.3	1193.0	1193.3	1193.1	1192.7	1192.2	1191.8	1191.4
155°	1213.9	1214.1	1214.3	1214.6	1214.8	1214.9	1214.6	1213.9	1213.2	1212.6	1211.9
157.5°	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.1	1233.2	1232.3	1231.4	1230.5
160°	1252.1	1251.5	1250.8	1250.2	1249.5	1249.2	1249.1	1248.9	1248.6	1248.4	1248.2
162.5°	1267.8	1266.9	1266.1	1265.2	1264.3	1263.9	1263.8	1263.6	1263.3	1263.1	1262.9
165°	1280.5	1279.4	1278.3	1277.2	1276.1	1275.6	1275.6	1275.6	1275.6	1275.6	1275.6
167.5°	1291.3	1290.2	1289.1	1288.0	1286.9	1286.4	1286.3	1286.1	1285.8	1285.6	1285.4
170°	1300.1	1298.8	1297.5	1296.2	1294.9	1294.2	1294.3	1294.5	1294.8	1295.0	1295.2
172.5°	1306.0	1304.7	1303.4	1302.1	1300.8	1300.1	1300.2	1300.4	1300.7	1300.9	1301.1
175°	1309.9	1308.6	1307.3	1306.0	1304.7	1304.0	1304.1	1304.3	1304.6	1304.8	1305.0
177.5°	1312.8	1311.3	1309.8	1308.3	1306.8	1306.0	1306.2	1306.6	1307.1	1307.5	1307.9
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	2000.6	2029.1	2041.8	2045.0	2062.4	2051.3	2056.1	2054.5	2067.2	2068.8	2068.8
5°	2146.5	2179.8	2190.9	2206.8	2230.6	2236.9	2232.2	2241.7	2259.2	2246.5	2265.5
7.5°	2300.4	2336.9	2362.3	2397.2	2405.1	2425.7	2438.4	2449.5	2452.7	2454.3	2457.5
10°	2443.2	2489.2	2524.1	2582.8	2595.5	2606.6	2662.1	2639.9	2668.5	2659.0	2662.1
12.5°	2559.0	2649.4	2678.0	2776.4	2785.9	2823.9	2820.8	2855.7	2862.0	2874.7	2862.0
15°	2711.3	2816.0	2862.0	2917.5	2949.3	2993.7	3001.6	3049.2	3068.3	3085.7	3068.3
17.5°	2850.9	2906.4	3023.8	3068.3	3088.9	3112.7	3173.0	3190.4	3219.0	3207.9	3239.6
20°	2920.7	3000.0	3123.8	3199.9	3231.7	3253.9	3304.7	3331.6	3342.7	3342.7	3345.9
22.5°	2982.6	3096.8	3188.8	3276.1	3304.7	3320.5	3350.7	3371.3	3376.0	3379.2	3382.4
25°	3038.1	3141.2	3215.8	3265.0	3276.1	3276.1	3293.5	3280.9	3260.2	3276.1	3285.6
27.5°	3038.1	3111.1	3144.4	3161.9	3161.9	3119.0	3093.6	3041.3	2996.9	2984.2	3012.7
30°	2987.4	3020.7	2974.7	2931.8	2898.5	2870.0	2770.0	2690.7	2674.8	2663.7	2706.5
32.5°	2870.0	2827.1	2736.7	2612.9	2563.8	2498.7	2421.0	2360.7	2324.2	2311.5	2302.0
35°	2662.1	2551.1	2433.7	2267.1	2232.2	2149.7	2043.4	1999.0	1938.7	1937.1	1957.7
37.5°	2435.3	2263.9	2137.0	1978.3	1929.2	1841.9	1742.0	1696.0	1654.7	1623.0	1661.1
40°	2170.3	2021.2	1827.6	1697.5	1627.7	1581.7	1497.6	1446.9	1427.8	1412.0	1435.8
42.5°	1922.8	1759.4	1608.7	1475.4	1418.3	1366.0	1310.4	1261.3	1247.0	1245.4	1262.8
45°	1676.9	1516.7	1377.1	1262.8	1226.4	1194.6	1140.7	1126.4	1102.6	1086.7	1094.7
47.5°	1480.2	1315.2	1199.4	1112.1	1080.4	1053.4	1018.5	994.7	974.1	967.8	977.3
50°	1286.6	1175.6	1056.6	983.6	959.8	934.4	907.5	885.3	875.7	869.4	875.7
52.5°	1131.2	1012.2	931.3	872.6	848.8	829.7	810.7	801.2	788.5	791.7	798.0
55°	991.6	886.8	818.6	775.8	761.5	753.6	729.8	718.7	713.9	710.7	713.9
57.5°	859.9	783.7	733.0	696.5	677.4	672.7	653.6	653.6	648.9	644.1	645.7
60°	755.2	690.1	640.9	612.4	609.2	601.3	588.6	587.0	575.9	580.7	582.2
62.5°	648.9	596.5	563.2	545.8	534.6	531.5	523.5	522.0	517.2	518.8	515.6
65°	564.8	522.0	488.6	474.4	469.6	468.0	461.7	456.9	453.7	456.9	453.7
67.5°	480.7	452.1	426.8	412.5	406.1	404.6	399.8	396.6	398.2	393.4	396.6
70°	401.4	372.8	357.0	349.0	345.9	341.1	341.1	341.1	341.1	337.9	336.3
72.5°	337.9	309.4	298.3	293.5	290.3	288.7	284.0	285.6	284.0	282.4	288.7
75°	268.1	250.7	239.6	234.8	238.0	233.2	228.5	231.6	226.9	228.5	234.8
77.5°	203.1	195.1	188.8	185.6	182.4	179.3	179.3	176.1	176.1	176.1	176.1
80°	147.5	146.0	134.9	133.3	133.3	130.1	130.1	130.1	130.1	128.5	130.1
82.5°	98.4	96.8	93.6	92.0	88.8	90.4	90.4	87.3	87.3	85.7	87.3
85°	57.1	57.1	53.9	52.4	50.8	52.4	49.2	47.6	49.2	47.6	49.2
87.5°	27.0	23.8	25.4	23.8	20.6	22.2	19.0	20.6	19.0	17.5	20.6
90°	22.9	24.2	25.5	26.8	27.4	27.6	28.1	28.5	29.0	29.4	29.0
92.5°	21.9	23.2	24.5	25.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5
95°	22.9	24.2	25.5	26.8	27.4	27.5	27.7	28.0	28.2	28.4	28.2
97.5°	22.7	23.8	24.9	26.0	26.5	26.6	26.8	27.0	27.2	27.4	27.2
100°	39.4	35.7	32.0	28.3	26.5	26.6	26.8	27.0	27.2	27.4	27.2
102.5°	199.9	150.9	101.9	52.9	28.4	28.4	28.4	28.4	28.4	28.4	28.4
105°	307.7	309.6	311.6	313.5	314.5	310.6	302.7	294.9	287.0	279.2	287.0
107.5°	369.5	370.6	371.7	372.8	373.3	373.7	374.6	375.5	376.3	377.2	376.3
110°	432.5	432.9	433.4	433.8	434.0	434.3	435.0	435.7	436.3	437.0	436.3

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	493.6	493.4	493.1	492.9	492.8	493.2	494.1	495.0	495.8	496.7	495.8
115°	553.0	553.4	553.9	554.3	554.5	554.5	554.5	554.5	554.5	554.5	554.5
117.5°	615.1	614.9	614.6	614.4	614.3	614.3	614.3	614.3	614.3	614.3	614.3
120°	670.5	671.0	671.4	671.9	672.1	671.9	671.4	671.0	670.5	670.1	670.5
122.5°	726.2	726.4	726.7	726.9	727.0	726.8	726.3	725.9	725.4	725.0	725.4
125°	776.6	777.2	777.9	778.6	778.9	779.0	779.2	779.5	779.7	779.9	779.7
127.5°	829.6	829.4	829.2	829.0	828.9	828.8	828.6	828.3	828.1	827.9	828.1
130°	876.1	876.3	876.6	876.8	876.9	876.9	876.9	876.9	876.9	876.9	876.9
132.5°	922.1	922.3	922.6	922.8	922.9	922.8	922.6	922.3	922.1	921.9	922.1
135°	963.5	963.9	964.4	964.8	965.0	965.2	965.7	966.1	966.6	967.0	966.6
137.5°	1004.6	1005.1	1005.5	1006.0	1006.2	1006.1	1005.9	1005.6	1005.4	1005.2	1005.4
140°	1042.1	1042.8	1043.4	1044.1	1044.4	1044.5	1044.7	1045.0	1045.2	1045.4	1045.2
142.5°	1077.1	1077.6	1078.0	1078.5	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7
145°	1110.2	1110.4	1110.7	1110.9	1111.0	1111.2	1111.7	1112.1	1112.6	1113.0	1112.6
147.5°	1139.6	1139.8	1140.1	1140.3	1140.4	1140.5	1140.7	1141.0	1141.2	1141.4	1141.2
150°	1167.8	1167.8	1167.8	1167.8	1167.8	1167.9	1168.1	1168.4	1168.6	1168.8	1168.6
152.5°	1191.8	1192.2	1192.7	1193.1	1193.3	1193.2	1193.0	1192.7	1192.5	1192.3	1192.5
155°	1212.8	1213.6	1214.5	1215.4	1215.8	1215.5	1214.8	1214.2	1213.5	1212.9	1213.5
157.5°	1231.6	1232.7	1233.8	1234.9	1235.4	1234.9	1233.8	1232.7	1231.6	1230.5	1231.6
160°	1249.5	1250.8	1252.1	1253.4	1254.1	1253.4	1252.1	1250.8	1249.5	1248.2	1249.5
162.5°	1264.2	1265.5	1266.8	1268.1	1268.8	1268.0	1266.5	1265.0	1263.4	1261.9	1263.4
165°	1277.3	1279.1	1280.8	1282.5	1283.4	1282.4	1280.5	1278.5	1276.6	1274.6	1276.6
167.5°	1287.4	1289.3	1291.3	1293.2	1294.2	1293.1	1290.9	1288.8	1286.6	1284.4	1286.6
170°	1296.9	1298.7	1300.4	1302.1	1303.0	1301.9	1299.7	1297.6	1295.4	1293.2	1295.4
172.5°	1302.8	1304.6	1306.3	1308.0	1308.9	1307.7	1305.3	1302.9	1300.5	1298.1	1300.5
175°	1307.0	1308.9	1310.9	1312.8	1313.8	1312.5	1309.9	1307.3	1304.7	1302.1	1304.7
177.5°	1309.7	1311.4	1313.2	1314.9	1315.8	1314.5	1311.9	1309.2	1306.6	1304.0	1306.6
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9

TEST NUMBER: P1000815

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	2065.6	2060.8	2054.5	2054.5	2046.6	2046.6	2033.9	2011.7	1992.6	1986.3	1989.5
5°	2241.7	2243.3	2233.8	2225.8	2211.6	2200.5	2179.8	2140.2	2127.5	2102.1	2084.6
7.5°	2443.2	2436.8	2419.4	2406.7	2403.5	2378.1	2333.7	2286.1	2248.1	2222.7	2186.2
10°	2670.1	2644.7	2619.3	2611.4	2592.3	2549.5	2498.7	2446.4	2394.0	2338.5	2276.6
12.5°	2860.4	2811.3	2809.7	2790.6	2754.1	2730.3	2670.1	2595.5	2505.1	2443.2	2373.4
15°	3065.1	3019.1	2981.0	2946.1	2928.7	2858.8	2808.1	2714.5	2606.6	2540.0	2492.4
17.5°	3211.0	3190.4	3125.4	3109.5	3085.7	3004.8	2923.9	2831.9	2738.3	2644.7	2516.2
20°	3328.4	3315.8	3272.9	3250.7	3212.6	3149.2	3050.8	2944.5	2836.6	2703.4	2582.8
22.5°	3379.2	3363.4	3328.4	3309.4	3285.6	3231.7	3147.6	3027.0	2885.8	2766.8	2638.3
25°	3279.3	3307.8	3298.3	3290.4	3280.9	3249.1	3185.7	3079.4	2941.3	2806.5	2646.3
27.5°	3054.0	3103.2	3150.8	3157.1	3173.0	3185.7	3160.3	3084.1	2968.3	2825.5	2649.4
30°	2751.0	2773.2	2870.0	2898.5	2920.7	3001.6	3049.2	3030.2	2941.3	2812.8	2651.0
32.5°	2362.3	2421.0	2519.3	2587.6	2647.8	2738.3	2862.0	2911.2	2879.5	2774.8	2614.5
35°	1994.2	2064.0	2178.2	2265.5	2325.8	2454.3	2600.3	2706.5	2746.2	2693.9	2551.1
37.5°	1692.8	1776.9	1878.4	1911.7	1981.5	2140.2	2341.7	2489.2	2586.0	2590.7	2479.7
40°	1465.9	1508.7	1589.7	1640.4	1708.6	1841.9	2038.6	2233.8	2379.7	2428.9	2370.2
42.5°	1273.9	1307.3	1367.6	1429.4	1491.3	1592.8	1773.7	1956.1	2152.9	2251.2	2249.6
45°	1121.6	1156.5	1197.8	1248.6	1291.4	1400.9	1543.7	1730.9	1900.6	2052.9	2091.0
47.5°	988.4	1018.5	1069.3	1091.5	1120.1	1223.2	1346.9	1521.4	1697.5	1872.1	1916.5
50°	890.0	915.4	950.3	964.6	996.3	1072.5	1174.0	1315.2	1510.3	1670.6	1753.1
52.5°	801.2	820.2	847.2	858.3	880.5	937.6	1029.6	1140.7	1302.5	1467.5	1583.3
55°	725.0	737.7	756.8	769.4	785.3	836.1	904.3	1004.2	1143.9	1286.6	1399.3
57.5°	653.6	663.2	682.2	688.5	701.2	740.9	788.5	872.6	1001.1	1128.0	1237.5
60°	587.0	593.3	604.5	618.7	628.2	655.2	699.6	769.4	872.6	988.4	1077.2
62.5°	523.5	533.1	536.2	542.6	550.5	575.9	610.8	661.6	752.0	847.2	940.8
65°	458.5	466.4	472.8	474.4	482.3	501.3	533.1	577.5	636.2	718.7	805.9
67.5°	398.2	403.0	406.1	412.5	420.4	429.9	455.3	488.6	542.6	609.2	679.0
70°	342.7	342.7	347.4	349.0	358.5	369.7	380.8	412.5	460.1	514.0	561.6
72.5°	282.4	290.3	288.7	296.7	295.1	303.0	317.3	337.9	372.8	415.7	461.7
75°	230.0	234.8	234.8	234.8	238.0	244.3	252.3	271.3	298.3	333.2	360.1
77.5°	179.3	182.4	182.4	182.4	184.0	190.4	198.3	211.0	230.0	250.7	266.5
80°	128.5	131.7	131.7	134.9	134.9	136.4	144.4	150.7	160.2	176.1	192.0
82.5°	87.3	88.8	92.0	92.0	90.4	93.6	95.2	101.5	111.1	114.2	125.3
85°	47.6	49.2	50.8	50.8	52.4	55.5	53.9	60.3	60.3	66.6	69.8
87.5°	19.0	22.2	22.2	20.6	22.2	22.2	22.2	25.4	27.0	28.6	27.0
90°	28.5	28.1	27.6	27.4	26.8	25.5	24.2	22.9	21.6	19.8	18.1
92.5°	26.5	26.5	26.5	26.5	25.8	24.5	23.2	21.9	20.6	18.8	17.1
95°	28.0	27.7	27.5	27.4	26.8	25.5	24.2	22.9	21.6	21.4	21.2
97.5°	27.0	26.8	26.6	26.5	26.0	24.9	23.8	22.7	21.6	44.4	67.3
100°	27.0	26.8	26.6	26.5	28.3	32.0	35.7	39.4	43.1	73.1	103.2
102.5°	28.4	28.4	28.4	28.4	52.9	101.9	150.9	199.9	248.9	246.3	243.7
105°	294.9	302.7	310.6	314.5	313.5	311.6	309.6	307.7	305.7	304.6	303.5
107.5°	375.5	374.6	373.7	373.3	372.8	371.7	370.6	369.5	368.4	366.9	365.3
110°	435.7	435.0	434.3	434.0	433.8	433.4	432.9	432.5	432.1	430.8	429.5

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	495.0	494.1	493.2	492.8	492.9	493.1	493.4	493.6	493.8	493.4	492.9
115°	554.5	554.5	554.5	554.5	554.3	553.9	553.4	553.0	552.6	552.8	553.0
117.5°	614.3	614.3	614.3	614.3	614.4	614.6	614.9	615.1	615.3	614.6	614.0
120°	671.0	671.4	671.9	672.1	671.9	671.4	671.0	670.5	670.1	670.3	670.5
122.5°	725.9	726.3	726.8	727.0	726.9	726.7	726.4	726.2	726.0	725.6	725.1
125°	779.5	779.2	779.0	778.9	778.6	777.9	777.2	776.6	775.9	776.3	776.8
127.5°	828.3	828.6	828.8	828.9	829.0	829.2	829.4	829.6	829.8	828.7	827.6
130°	876.9	876.9	876.9	876.9	876.8	876.6	876.3	876.1	875.9	875.2	874.6
132.5°	922.3	922.6	922.8	922.9	922.8	922.6	922.3	922.1	921.9	921.0	920.2
135°	966.1	965.7	965.2	965.0	964.8	964.4	963.9	963.5	963.1	962.2	961.4
137.5°	1005.6	1005.9	1006.1	1006.2	1006.0	1005.5	1005.1	1004.6	1004.2	1003.1	1002.0
140°	1045.0	1044.7	1044.5	1044.4	1044.1	1043.4	1042.8	1042.1	1041.5	1041.1	1040.6
142.5°	1078.7	1078.7	1078.7	1078.7	1078.5	1078.0	1077.6	1077.1	1076.7	1076.5	1076.3
145°	1112.1	1111.7	1111.2	1111.0	1110.9	1110.7	1110.4	1110.2	1110.0	1110.0	1110.0
147.5°	1141.0	1140.7	1140.5	1140.4	1140.3	1140.1	1139.8	1139.6	1139.4	1139.6	1139.8
150°	1168.4	1168.1	1167.9	1167.8	1167.8	1167.8	1167.8	1167.8	1167.8	1168.0	1168.2
152.5°	1192.7	1193.0	1193.2	1193.3	1193.1	1192.7	1192.2	1191.8	1191.4	1191.8	1192.2
155°	1214.2	1214.8	1215.5	1215.8	1215.4	1214.5	1213.6	1212.8	1211.9	1212.6	1213.2
157.5°	1232.7	1233.8	1234.9	1235.4	1234.9	1233.8	1232.7	1231.6	1230.5	1231.4	1232.3
160°	1250.8	1252.1	1253.4	1254.1	1253.4	1252.1	1250.8	1249.5	1248.2	1248.4	1248.6
162.5°	1265.0	1266.5	1268.0	1268.8	1268.1	1266.8	1265.5	1264.2	1262.9	1263.1	1263.3
165°	1278.5	1280.5	1282.4	1283.4	1282.5	1280.8	1279.1	1277.3	1275.6	1275.6	1275.6
167.5°	1288.8	1290.9	1293.1	1294.2	1293.2	1291.3	1289.3	1287.4	1285.4	1285.6	1285.8
170°	1297.6	1299.7	1301.9	1303.0	1302.1	1300.4	1298.7	1296.9	1295.2	1295.0	1294.8
172.5°	1302.9	1305.3	1307.7	1308.9	1308.0	1306.3	1304.6	1302.8	1301.1	1300.9	1300.7
175°	1307.3	1309.9	1312.5	1313.8	1312.8	1310.9	1308.9	1307.0	1305.0	1304.8	1304.6
177.5°	1309.2	1311.9	1314.5	1315.8	1314.9	1313.2	1311.4	1309.7	1307.9	1307.5	1307.1
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1975.2	1968.8	1964.1	1964.1	1949.8	1935.5	1927.6	1924.4	1921.2	1908.5	1891.1
5°	2056.1	2035.5	2021.2	2006.9	1983.1	1957.7	1932.3	1918.1	1897.4	1868.9	1848.3
7.5°	2146.5	2097.3	2081.5	2064.0	2016.4	1973.6	1938.7	1908.5	1875.2	1838.7	1802.2
10°	2222.7	2170.3	2135.4	2105.3	2043.4	1986.3	1933.9	1889.5	1846.7	1799.1	1754.7
12.5°	2295.6	2221.1	2184.6	2140.2	2075.1	1992.6	1924.4	1868.9	1805.4	1756.2	1702.3
15°	2397.2	2271.8	2211.6	2183.0	2095.7	1999.0	1916.5	1834.0	1781.6	1707.1	1659.5
17.5°	2413.0	2311.5	2271.8	2198.9	2094.2	1984.7	1889.5	1807.0	1727.7	1661.1	1599.2
20°	2468.6	2335.3	2271.8	2225.8	2087.8	1976.8	1872.1	1765.8	1689.6	1618.2	1548.4
22.5°	2503.5	2352.8	2286.1	2213.1	2081.5	1948.2	1824.5	1732.4	1638.8	1565.9	1510.3
25°	2494.0	2343.2	2268.7	2200.5	2040.2	1907.0	1795.9	1678.5	1591.2	1511.9	1438.9
27.5°	2489.2	2319.4	2240.1	2164.0	2013.3	1873.6	1734.0	1638.8	1542.1	1450.0	1396.1
30°	2476.5	2289.3	2197.3	2114.8	1957.7	1811.8	1692.8	1581.7	1485.0	1400.9	1329.5
32.5°	2433.7	2238.5	2149.7	2060.8	1897.4	1751.5	1630.9	1527.8	1431.0	1343.8	1275.5
35°	2376.6	2178.2	2081.5	1987.9	1824.5	1676.9	1565.9	1458.0	1367.6	1283.5	1218.4
37.5°	2319.4	2108.4	2018.0	1910.1	1759.4	1605.5	1491.3	1394.5	1310.4	1223.2	1151.8
40°	2236.9	2025.9	1926.0	1834.0	1657.9	1513.5	1408.8	1321.5	1239.0	1156.5	1096.3
42.5°	2124.3	1935.5	1832.4	1730.9	1565.9	1423.1	1321.5	1243.8	1166.1	1097.8	1031.2
45°	2010.1	1826.0	1734.0	1643.6	1464.3	1329.5	1235.9	1164.5	1099.4	1024.9	970.9
47.5°	1872.1	1716.6	1624.6	1535.7	1366.0	1231.1	1145.4	1078.8	1018.5	956.7	905.9
50°	1730.9	1596.0	1511.9	1419.9	1258.1	1135.9	1051.8	996.3	947.1	888.4	847.2
52.5°	1578.6	1461.2	1389.8	1300.9	1158.1	1045.5	959.8	904.3	863.0	820.2	783.7
55°	1416.7	1331.1	1254.9	1183.5	1048.7	947.1	871.0	821.8	793.2	753.6	721.9
57.5°	1270.8	1188.3	1142.3	1061.4	944.0	844.0	783.7	742.5	709.2	685.4	660.0
60°	1118.5	1051.8	1001.1	942.4	839.3	755.2	691.7	667.9	633.0	615.6	604.5
62.5°	972.5	924.9	877.3	832.9	740.9	661.6	614.0	583.8	563.2	545.8	536.2
65°	834.5	790.1	756.8	717.1	640.9	577.5	533.1	509.3	488.6	483.9	472.8
67.5°	699.6	680.6	644.1	612.4	547.3	498.2	464.8	434.7	423.6	418.8	409.3
70°	585.4	563.2	534.6	507.7	458.5	415.7	385.5	374.4	358.5	357.0	345.9
72.5°	482.3	455.3	434.7	414.1	377.6	339.5	323.6	307.8	299.8	293.5	288.7
75°	382.3	363.3	349.0	331.6	299.8	274.5	252.3	245.9	241.1	239.6	236.4
77.5°	285.6	272.9	266.5	249.1	226.9	204.7	195.1	185.6	185.6	182.4	184.0
80°	203.1	195.1	187.2	177.7	158.6	149.1	141.2	134.9	131.7	130.1	131.7
82.5°	128.5	123.7	122.2	115.8	103.1	98.4	92.0	87.3	87.3	87.3	87.3
85°	71.4	71.4	71.4	61.9	57.1	52.4	49.2	47.6	47.6	47.6	49.2
87.5°	30.1	30.1	25.4	25.4	23.8	20.6	19.0	19.0	20.6	20.6	22.2
90°	16.3	14.6	13.7	12.5	10.1	7.7	5.3	2.9	5.3	7.7	10.1
92.5°	15.3	13.6	12.7	12.9	13.4	13.8	14.3	14.7	14.3	13.8	13.4
95°	20.9	20.7	20.6	24.3	31.7	39.1	46.5	53.9	46.5	39.1	31.7
97.5°	90.1	113.0	124.4	122.0	117.2	112.5	107.7	102.9	107.7	112.5	117.2
100°	133.2	163.3	178.3	176.3	172.4	168.5	164.6	160.7	164.6	168.5	172.4
102.5°	241.0	238.4	237.1	235.8	233.2	230.5	227.9	225.3	227.9	230.5	233.2
105°	302.4	301.3	300.8	300.1	298.8	297.5	296.2	294.9	296.2	297.5	298.8
107.5°	363.8	362.3	361.5	361.2	360.5	359.9	359.2	358.6	359.2	359.9	360.5
110°	428.2	426.9	426.2	425.9	425.2	424.5	423.9	423.2	423.9	424.5	425.2

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	492.5	492.0	491.8	491.1	489.8	488.5	487.2	485.9	487.2	488.5	489.8
115°	553.2	553.4	553.5	553.2	552.5	551.9	551.2	550.6	551.2	551.9	552.5
117.5°	613.3	612.6	612.3	611.9	611.0	610.1	609.3	608.4	609.3	610.1	611.0
120°	670.8	671.0	671.1	670.7	669.8	668.9	668.1	667.2	668.1	668.9	669.8
122.5°	724.7	724.2	724.0	723.8	723.4	722.9	722.5	722.1	722.5	722.9	723.4
125°	777.2	777.7	777.9	777.5	776.6	775.7	774.9	774.0	774.9	775.7	776.6
127.5°	826.5	825.4	824.9	824.8	824.6	824.4	824.2	824.0	824.2	824.4	824.6
130°	873.9	873.2	872.9	872.8	872.6	872.4	872.2	872.0	872.2	872.4	872.6
132.5°	919.3	918.4	918.0	917.8	917.3	916.9	916.4	916.0	916.4	916.9	917.3
135°	960.5	959.6	959.2	959.3	959.5	959.7	959.9	960.1	959.9	959.7	959.5
137.5°	1000.9	999.8	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3	999.3
140°	1040.2	1039.7	1039.5	1039.3	1038.8	1038.4	1037.9	1037.5	1037.9	1038.4	1038.8
142.5°	1076.0	1075.8	1075.7	1075.3	1074.4	1073.5	1072.7	1071.8	1072.7	1073.5	1074.4
145°	1110.0	1110.0	1110.0	1109.7	1109.0	1108.4	1107.7	1107.1	1107.7	1108.4	1109.0
147.5°	1140.1	1140.3	1140.4	1139.7	1138.4	1137.1	1135.8	1134.5	1135.8	1137.1	1138.4
150°	1168.5	1168.7	1168.8	1168.4	1167.5	1166.6	1165.8	1164.9	1165.8	1166.6	1167.5
152.5°	1192.7	1193.1	1193.3	1193.0	1192.3	1191.7	1191.0	1190.4	1191.0	1191.7	1192.3
155°	1213.9	1214.6	1214.9	1214.8	1214.6	1214.3	1214.1	1213.9	1214.1	1214.3	1214.6
157.5°	1233.2	1234.1	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5	1234.5
160°	1248.9	1249.1	1249.2	1249.5	1250.2	1250.8	1251.5	1252.1	1251.5	1250.8	1250.2
162.5°	1263.6	1263.8	1263.9	1264.3	1265.2	1266.1	1266.9	1267.8	1266.9	1266.1	1265.2
165°	1275.6	1275.6	1275.6	1276.1	1277.2	1278.3	1279.4	1280.5	1279.4	1278.3	1277.2
167.5°	1286.1	1286.3	1286.4	1286.9	1288.0	1289.1	1290.2	1291.3	1290.2	1289.1	1288.0
170°	1294.5	1294.3	1294.2	1294.9	1296.2	1297.5	1298.8	1300.1	1298.8	1297.5	1296.2
172.5°	1300.4	1300.2	1300.1	1300.8	1302.1	1303.4	1304.7	1306.0	1304.7	1303.4	1302.1
175°	1304.3	1304.1	1304.0	1304.7	1306.0	1307.3	1308.6	1309.9	1308.6	1307.3	1306.0
177.5°	1306.6	1306.2	1306.0	1306.8	1308.3	1309.8	1311.3	1312.8	1311.3	1309.8	1308.3
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1886.3	1880.0	1883.2	1867.3	1853.0	1832.4	1814.9	1811.8	1808.6	1818.1	1811.8
5°	1832.4	1824.5	1816.5	1797.5	1768.9	1751.5	1726.1	1724.5	1715.0	1700.7	1703.9
7.5°	1773.7	1768.9	1757.8	1727.7	1702.3	1672.2	1651.5	1634.1	1626.1	1613.5	1608.7
10°	1726.1	1708.6	1699.1	1665.8	1635.7	1603.9	1577.0	1564.3	1550.0	1538.9	1531.0
12.5°	1661.1	1656.3	1629.3	1602.4	1577.0	1540.5	1519.9	1483.4	1464.3	1473.8	1470.7
15°	1618.2	1596.0	1589.7	1551.6	1508.7	1485.0	1446.9	1423.1	1415.1	1400.9	1383.4
17.5°	1561.1	1546.8	1524.6	1489.7	1440.5	1407.2	1380.2	1358.0	1348.5	1329.5	1315.2
20°	1507.2	1483.4	1465.9	1434.2	1386.6	1343.8	1310.4	1296.2	1272.4	1256.5	1248.6
22.5°	1458.0	1440.5	1415.1	1367.6	1326.3	1285.1	1245.4	1224.8	1202.6	1193.0	1180.3
25°	1397.7	1369.1	1351.7	1299.3	1254.9	1221.6	1185.1	1158.1	1145.4	1129.6	1126.4
27.5°	1339.0	1312.0	1291.4	1245.4	1191.5	1148.6	1126.4	1107.4	1085.2	1085.2	1077.2
30°	1280.3	1261.3	1229.5	1185.1	1134.3	1093.1	1067.7	1050.3	1042.3	1036.0	1034.4
32.5°	1221.6	1196.2	1177.2	1116.9	1078.8	1040.7	1021.7	1007.4	997.9	996.3	997.9
35°	1161.3	1132.8	1113.7	1059.8	1021.7	986.8	978.9	966.2	961.4	959.8	967.8
37.5°	1097.8	1075.6	1051.8	1007.4	964.6	944.0	928.1	923.3	921.7	931.3	934.4
40°	1039.1	1020.1	997.9	950.3	918.6	896.4	888.4	883.7	890.0	899.5	904.3
42.5°	983.6	956.7	939.2	896.4	867.8	855.1	845.6	845.6	851.9	863.0	871.0
45°	924.9	904.3	886.8	848.8	823.4	809.1	807.5	809.1	817.0	825.0	834.5
47.5°	867.8	847.2	828.1	796.4	774.2	766.3	764.7	766.3	779.0	790.1	801.2
50°	815.5	793.2	775.8	745.6	728.2	718.7	720.3	728.2	737.7	753.6	767.9
52.5°	753.6	737.7	721.9	694.9	679.0	672.7	677.4	683.8	701.2	712.3	729.8
55°	693.3	679.0	666.3	645.7	633.0	628.2	631.4	640.9	655.2	674.3	694.9
57.5°	637.8	621.9	609.2	594.9	580.7	582.2	583.8	596.5	614.0	631.4	655.2
60°	575.9	566.4	555.3	537.8	531.5	531.5	536.2	550.5	566.4	594.9	615.6
62.5°	520.4	507.7	499.7	488.6	479.1	480.7	491.8	504.5	523.5	547.3	574.3
65°	463.3	449.0	442.6	433.1	429.9	431.5	439.5	458.5	479.1	499.7	525.1
67.5°	399.8	395.0	388.7	379.2	382.3	383.9	391.9	407.7	429.9	450.6	479.1
70°	345.9	336.3	334.7	326.8	326.8	331.6	347.4	358.5	379.2	401.4	431.5
72.5°	288.7	280.8	280.8	274.5	279.2	284.0	291.9	307.8	326.8	349.0	374.4
75°	230.0	226.9	230.0	226.9	226.9	234.8	244.3	257.0	277.6	301.4	322.1
77.5°	177.7	177.7	176.1	180.9	180.9	185.6	198.3	211.0	226.9	245.9	268.1
80°	130.1	130.1	130.1	134.9	139.6	139.6	147.5	163.4	177.7	190.4	211.0
82.5°	88.8	88.8	88.8	92.0	98.4	98.4	107.9	117.4	133.3	144.4	153.9
85°	53.9	53.9	52.4	55.5	57.1	61.9	69.8	76.2	84.1	93.6	103.1
87.5°	23.8	23.8	25.4	27.0	28.6	31.7	34.9	38.1	46.0	49.2	53.9
90°	12.5	13.7	14.6	16.3	18.1	19.8	21.6	22.9	24.2	25.5	26.8
92.5°	12.9	12.7	13.6	15.3	17.1	18.8	20.6	21.9	23.2	24.5	25.8
95°	24.3	20.6	20.7	20.9	21.2	21.4	21.6	22.9	24.2	25.5	26.8
97.5°	122.0	124.4	113.0	90.1	67.3	44.4	21.6	22.7	23.8	24.9	26.0
100°	176.3	178.3	163.3	133.2	103.2	73.1	43.1	39.4	35.7	32.0	28.3
102.5°	235.8	237.1	238.4	241.0	243.7	246.3	248.9	199.9	150.9	101.9	52.9
105°	300.1	300.8	301.3	302.4	303.5	304.6	305.7	307.7	309.6	311.6	313.5
107.5°	361.2	361.5	362.3	363.8	365.3	366.9	368.4	369.5	370.6	371.7	372.8
110°	425.9	426.2	426.9	428.2	429.5	430.8	432.1	432.5	432.9	433.4	433.8

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	491.1	491.8	492.0	492.5	492.9	493.4	493.8	493.6	493.4	493.1	492.9
115°	553.2	553.5	553.4	553.2	553.0	552.8	552.6	553.0	553.4	553.9	554.3
117.5°	611.9	612.3	612.6	613.3	614.0	614.6	615.3	615.1	614.9	614.6	614.4
120°	670.7	671.1	671.0	670.8	670.5	670.3	670.1	670.5	671.0	671.4	671.9
122.5°	723.8	724.0	724.2	724.7	725.1	725.6	726.0	726.2	726.4	726.7	726.9
125°	777.5	777.9	777.7	777.2	776.8	776.3	775.9	776.6	777.2	777.9	778.6
127.5°	824.8	824.9	825.4	826.5	827.6	828.7	829.8	829.6	829.4	829.2	829.0
130°	872.8	872.9	873.2	873.9	874.6	875.2	875.9	876.1	876.3	876.6	876.8
132.5°	917.8	918.0	918.4	919.3	920.2	921.0	921.9	922.1	922.3	922.6	922.8
135°	959.3	959.2	959.6	960.5	961.4	962.2	963.1	963.5	963.9	964.4	964.8
137.5°	999.3	999.3	999.8	1000.9	1002.0	1003.1	1004.2	1004.6	1005.1	1005.5	1006.0
140°	1039.3	1039.5	1039.7	1040.2	1040.6	1041.1	1041.5	1042.1	1042.8	1043.4	1044.1
142.5°	1075.3	1075.7	1075.8	1076.0	1076.3	1076.5	1076.7	1077.1	1077.6	1078.0	1078.5
145°	1109.7	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1110.2	1110.4	1110.7	1110.9
147.5°	1139.7	1140.4	1140.3	1140.1	1139.8	1139.6	1139.4	1139.6	1139.8	1140.1	1140.3
150°	1168.4	1168.8	1168.7	1168.5	1168.2	1168.0	1167.8	1167.8	1167.8	1167.8	1167.8
152.5°	1193.0	1193.3	1193.1	1192.7	1192.2	1191.8	1191.4	1191.8	1192.2	1192.7	1193.1
155°	1214.8	1214.9	1214.6	1213.9	1213.2	1212.6	1211.9	1212.8	1213.6	1214.5	1215.4
157.5°	1234.5	1234.5	1234.1	1233.2	1232.3	1231.4	1230.5	1231.6	1232.7	1233.8	1234.9
160°	1249.5	1249.2	1249.1	1248.9	1248.6	1248.4	1248.2	1249.5	1250.8	1252.1	1253.4
162.5°	1264.3	1263.9	1263.8	1263.6	1263.3	1263.1	1262.9	1264.2	1265.5	1266.8	1268.1
165°	1276.1	1275.6	1275.6	1275.6	1275.6	1275.6	1275.6	1277.3	1279.1	1280.8	1282.5
167.5°	1286.9	1286.4	1286.3	1286.1	1285.8	1285.6	1285.4	1287.4	1289.3	1291.3	1293.2
170°	1294.9	1294.2	1294.3	1294.5	1294.8	1295.0	1295.2	1296.9	1298.7	1300.4	1302.1
172.5°	1300.8	1300.1	1300.2	1300.4	1300.7	1300.9	1301.1	1302.8	1304.6	1306.3	1308.0
175°	1304.7	1304.0	1304.1	1304.3	1304.6	1304.8	1305.0	1307.0	1308.9	1310.9	1312.8
177.5°	1306.8	1306.0	1306.2	1306.6	1307.1	1307.5	1307.9	1309.7	1311.4	1313.2	1314.9
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1807.0	1805.4	1797.5	1800.7	1791.1	1794.3	1799.1	1800.7	1807.0	1802.2	1800.7
5°	1696.0	1692.8	1688.0	1683.3	1681.7	1688.0	1676.9	1680.1	1683.3	1688.0	1694.4
7.5°	1605.5	1603.9	1599.2	1591.2	1588.1	1584.9	1586.5	1597.6	1596.0	1594.4	1605.5
10°	1523.0	1524.6	1515.1	1513.5	1504.0	1502.4	1504.0	1507.2	1511.9	1518.3	1519.9
12.5°	1437.4	1458.0	1440.5	1434.2	1419.9	1427.8	1431.0	1416.7	1424.7	1429.4	1453.2
15°	1383.4	1373.9	1362.8	1362.8	1356.4	1353.3	1345.3	1356.4	1362.8	1372.3	1369.1
17.5°	1308.9	1293.0	1286.6	1280.3	1281.9	1288.2	1270.8	1296.2	1296.2	1300.9	1293.0
20°	1243.8	1231.1	1223.2	1220.0	1215.2	1212.1	1210.5	1216.8	1226.4	1229.5	1237.5
22.5°	1175.6	1175.6	1162.9	1158.1	1155.0	1150.2	1158.1	1153.4	1159.7	1166.1	1178.8
25°	1118.5	1118.5	1113.7	1107.4	1102.6	1099.4	1104.2	1102.6	1107.4	1115.3	1118.5
27.5°	1072.5	1067.7	1066.1	1064.5	1062.9	1064.5	1062.9	1067.7	1072.5	1074.1	1070.9
30°	1032.8	1028.0	1029.6	1029.6	1031.2	1029.6	1028.0	1032.8	1034.4	1031.2	1032.8
32.5°	996.3	996.3	999.5	1001.1	1001.1	1002.7	1004.2	1001.1	1002.7	997.9	999.5
35°	966.2	969.3	972.5	974.1	975.7	974.1	977.3	975.7	972.5	969.3	967.8
37.5°	936.0	939.2	945.5	947.1	951.9	953.5	950.3	950.3	948.7	942.4	939.2
40°	904.3	907.5	915.4	920.2	923.3	928.1	924.9	924.9	918.6	912.2	907.5
42.5°	874.2	880.5	888.4	893.2	899.5	899.5	899.5	896.4	888.4	882.1	877.3
45°	844.0	845.6	856.7	864.6	871.0	871.0	871.0	866.2	861.5	848.8	842.4
47.5°	810.7	815.5	828.1	836.1	842.4	844.0	844.0	839.3	829.7	818.6	810.7
50°	774.2	782.1	796.4	807.5	815.5	818.6	813.9	810.7	799.6	786.9	777.4
52.5°	739.3	748.8	766.3	775.8	786.9	788.5	786.9	782.1	769.4	752.0	744.1
55°	704.4	712.3	731.4	747.2	756.8	759.9	756.8	748.8	733.0	715.5	707.6
57.5°	666.3	677.4	698.1	713.9	725.0	726.6	723.4	715.5	702.8	680.6	669.5
60°	626.7	640.9	661.6	677.4	691.7	693.3	690.1	679.0	663.2	640.9	631.4
62.5°	587.0	598.1	621.9	639.4	650.5	658.4	652.0	640.9	625.1	602.9	588.6
65°	541.0	556.9	577.5	593.3	606.0	607.6	604.5	594.9	577.5	553.7	542.6
67.5°	496.6	507.7	528.3	548.9	553.7	558.4	553.7	544.2	529.9	509.3	493.4
70°	442.6	452.1	477.5	491.8	498.2	502.9	499.7	490.2	477.5	458.5	445.8
72.5°	388.7	396.6	420.4	431.5	444.2	442.6	441.0	434.7	417.2	404.6	396.6
75°	331.6	341.1	357.0	371.2	376.0	376.0	376.0	371.2	360.1	339.5	331.6
77.5°	279.2	284.0	296.7	304.6	309.4	311.0	309.4	301.4	295.1	280.8	276.0
80°	214.2	226.9	236.4	238.0	244.3	244.3	244.3	241.1	234.8	220.5	218.9
82.5°	161.8	165.0	174.5	179.3	182.4	180.9	180.9	174.5	172.9	165.0	161.8
85°	109.5	114.2	112.6	119.0	120.6	117.4	117.4	120.6	112.6	114.2	109.5
87.5°	60.3	60.3	63.5	61.9	68.2	68.2	65.0	66.6	63.5	61.9	60.3
90°	27.4	27.6	28.1	28.5	29.0	29.4	29.0	28.5	28.1	27.6	27.4
92.5°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
95°	27.4	27.5	27.7	28.0	28.2	28.4	28.2	28.0	27.7	27.5	27.4
97.5°	26.5	26.6	26.8	27.0	27.2	27.4	27.2	27.0	26.8	26.6	26.5
100°	26.5	26.6	26.8	27.0	27.2	27.4	27.2	27.0	26.8	26.6	26.5
102.5°	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
105°	314.5	310.6	302.7	294.9	287.0	279.2	287.0	294.9	302.7	310.6	314.5
107.5°	373.3	373.7	374.6	375.5	376.3	377.2	376.3	375.5	374.6	373.7	373.3
110°	434.0	434.3	435.0	435.7	436.3	437.0	436.3	435.7	435.0	434.3	434.0

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	492.8	493.2	494.1	495.0	495.8	496.7	495.8	495.0	494.1	493.2	492.8
115°	554.5	554.5	554.5	554.5	554.5	554.5	554.5	554.5	554.5	554.5	554.5
117.5°	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3	614.3
120°	672.1	671.9	671.4	671.0	670.5	670.1	670.5	671.0	671.4	671.9	672.1
122.5°	727.0	726.8	726.3	725.9	725.4	725.0	725.4	725.9	726.3	726.8	727.0
125°	778.9	779.0	779.2	779.5	779.7	779.9	779.7	779.5	779.2	779.0	778.9
127.5°	828.9	828.8	828.6	828.3	828.1	827.9	828.1	828.3	828.6	828.8	828.9
130°	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9
132.5°	922.9	922.8	922.6	922.3	922.1	921.9	922.1	922.3	922.6	922.8	922.9
135°	965.0	965.2	965.7	966.1	966.6	967.0	966.6	966.1	965.7	965.2	965.0
137.5°	1006.2	1006.1	1005.9	1005.6	1005.4	1005.2	1005.4	1005.6	1005.9	1006.1	1006.2
140°	1044.4	1044.5	1044.7	1045.0	1045.2	1045.4	1045.2	1045.0	1044.7	1044.5	1044.4
142.5°	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7	1078.7
145°	1111.0	1111.2	1111.7	1112.1	1112.6	1113.0	1112.6	1112.1	1111.7	1111.2	1111.0
147.5°	1140.4	1140.5	1140.7	1141.0	1141.2	1141.4	1141.2	1141.0	1140.7	1140.5	1140.4
150°	1167.8	1167.9	1168.1	1168.4	1168.6	1168.8	1168.6	1168.4	1168.1	1167.9	1167.8
152.5°	1193.3	1193.2	1193.0	1192.7	1192.5	1192.3	1192.5	1192.7	1193.0	1193.2	1193.3
155°	1215.8	1215.5	1214.8	1214.2	1213.5	1212.9	1213.5	1214.2	1214.8	1215.5	1215.8
157.5°	1235.4	1234.9	1233.8	1232.7	1231.6	1230.5	1231.6	1232.7	1233.8	1234.9	1235.4
160°	1254.1	1253.4	1252.1	1250.8	1249.5	1248.2	1249.5	1250.8	1252.1	1253.4	1254.1
162.5°	1268.8	1268.0	1266.5	1265.0	1263.4	1261.9	1263.4	1265.0	1266.5	1268.0	1268.8
165°	1283.4	1282.4	1280.5	1278.5	1276.6	1274.6	1276.6	1278.5	1280.5	1282.4	1283.4
167.5°	1294.2	1293.1	1290.9	1288.8	1286.6	1284.4	1286.6	1288.8	1290.9	1293.1	1294.2
170°	1303.0	1301.9	1299.7	1297.6	1295.4	1293.2	1295.4	1297.6	1299.7	1301.9	1303.0
172.5°	1308.9	1307.7	1305.3	1302.9	1300.5	1298.1	1300.5	1302.9	1305.3	1307.7	1308.9
175°	1313.8	1312.5	1309.9	1307.3	1304.7	1302.1	1304.7	1307.3	1309.9	1312.5	1313.8
177.5°	1315.8	1314.5	1311.9	1309.2	1306.6	1304.0	1306.6	1309.2	1311.9	1314.5	1315.8
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9	1914.9
2.5°	1800.7	1810.2	1800.7	1807.0	1810.2	1818.1	1821.3	1835.6	1840.3	1851.4	1851.4
5°	1692.8	1697.5	1699.1	1705.5	1711.8	1727.7	1738.8	1759.4	1783.2	1786.4	1800.7
7.5°	1605.5	1613.5	1626.1	1621.4	1632.5	1656.3	1670.6	1696.0	1719.8	1732.4	1749.9
10°	1527.8	1537.3	1542.1	1546.8	1567.4	1588.1	1610.3	1627.7	1659.5	1678.5	1692.8
12.5°	1464.3	1456.4	1465.9	1483.4	1507.2	1519.9	1550.0	1577.0	1600.8	1621.4	1634.1
15°	1381.8	1388.2	1397.7	1427.8	1434.2	1465.9	1477.0	1507.2	1551.6	1570.6	1586.5
17.5°	1302.5	1323.1	1342.2	1353.3	1372.3	1397.7	1429.4	1462.7	1491.3	1513.5	1532.5
20°	1239.0	1259.7	1270.8	1278.7	1297.7	1332.6	1362.8	1404.0	1440.5	1458.0	1483.4
22.5°	1188.3	1188.3	1204.1	1227.9	1239.0	1272.4	1297.7	1342.2	1381.8	1404.0	1427.8
25°	1124.8	1134.3	1147.0	1167.7	1183.5	1210.5	1247.0	1285.1	1327.9	1346.9	1377.1
27.5°	1072.5	1083.6	1101.0	1105.8	1121.6	1145.4	1183.5	1224.8	1269.2	1289.8	1315.2
30°	1032.8	1039.1	1045.5	1055.0	1069.3	1089.9	1121.6	1158.1	1212.1	1227.9	1259.7
32.5°	997.9	1001.1	1004.2	1012.2	1020.1	1040.7	1066.1	1105.8	1150.2	1174.0	1202.6
35°	966.2	963.0	964.6	969.3	977.3	985.2	1012.2	1045.5	1086.7	1115.3	1137.5
37.5°	936.0	929.7	928.1	928.1	931.3	940.8	961.4	990.0	1034.4	1058.2	1080.4
40°	902.7	896.4	893.2	891.6	890.0	896.4	912.2	940.8	975.7	997.9	1023.3
42.5°	871.0	864.6	856.7	855.1	851.9	855.1	866.2	893.2	923.3	945.5	966.2
45°	839.3	828.1	818.6	812.3	813.9	809.1	817.0	837.7	872.6	886.8	907.5
47.5°	804.3	791.7	779.0	772.6	766.3	769.4	772.6	790.1	820.2	834.5	855.1
50°	771.0	753.6	739.3	731.4	726.6	723.4	726.6	744.1	766.3	779.0	796.4
52.5°	733.0	715.5	701.2	688.5	682.2	677.4	679.0	694.9	715.5	728.2	745.6
55°	698.1	675.8	656.8	640.9	636.2	634.6	633.0	644.1	661.6	674.3	688.5
57.5°	658.4	636.2	615.6	596.5	587.0	585.4	585.4	588.6	610.8	620.3	628.2
60°	618.7	594.9	572.7	555.3	541.0	536.2	534.6	541.0	552.1	561.6	572.7
62.5°	574.3	550.5	523.5	507.7	493.4	480.7	485.5	487.1	502.9	507.7	517.2
65°	531.5	504.5	482.3	456.9	441.0	433.1	429.9	433.1	445.8	447.4	453.7
67.5°	482.3	456.9	429.9	412.5	398.2	383.9	380.8	380.8	387.1	391.9	399.8
70°	434.7	409.3	379.2	360.1	345.9	333.2	328.4	326.8	331.6	334.7	342.7
72.5°	379.2	353.8	331.6	311.0	293.5	284.0	279.2	276.0	280.8	284.0	285.6
75°	320.5	299.8	277.6	257.0	245.9	236.4	230.0	225.3	228.5	228.5	228.5
77.5°	264.9	244.3	226.9	212.6	198.3	187.2	182.4	177.7	179.3	179.3	182.4
80°	206.2	192.0	177.7	165.0	152.3	142.8	139.6	134.9	131.7	130.1	130.1
82.5°	152.3	141.2	128.5	117.4	111.1	101.5	98.4	92.0	92.0	90.4	90.4
85°	101.5	95.2	82.5	74.6	69.8	65.0	61.9	58.7	53.9	53.9	52.4
87.5°	53.9	50.8	47.6	38.1	38.1	33.3	31.7	30.1	25.4	27.0	27.0
90°	26.8	25.5	24.2	22.9	21.6	19.8	18.1	16.3	14.6	13.7	12.5
92.5°	25.8	24.5	23.2	21.9	20.6	18.8	17.1	15.3	13.6	12.7	12.9
95°	26.8	25.5	24.2	22.9	21.6	21.4	21.2	20.9	20.7	20.6	24.3
97.5°	26.0	24.9	23.8	22.7	21.6	44.4	67.3	90.1	113.0	124.4	122.0
100°	28.3	32.0	35.7	39.4	43.1	73.1	103.2	133.2	163.3	178.3	176.3
102.5°	52.9	101.9	150.9	199.9	248.9	246.3	243.7	241.0	238.4	237.1	235.8
105°	313.5	311.6	309.6	307.7	305.7	304.6	303.5	302.4	301.3	300.8	300.1
107.5°	372.8	371.7	370.6	369.5	368.4	366.9	365.3	363.8	362.3	361.5	361.2
110°	433.8	433.4	432.9	432.5	432.1	430.8	429.5	428.2	426.9	426.2	425.9

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	492.9	493.1	493.4	493.6	493.8	493.4	492.9	492.5	492.0	491.8	491.1
115°	554.3	553.9	553.4	553.0	552.6	552.8	553.0	553.2	553.4	553.5	553.2
117.5°	614.4	614.6	614.9	615.1	615.3	614.6	614.0	613.3	612.6	612.3	611.9
120°	671.9	671.4	671.0	670.5	670.1	670.3	670.5	670.8	671.0	671.1	670.7
122.5°	726.9	726.7	726.4	726.2	726.0	725.6	725.1	724.7	724.2	724.0	723.8
125°	778.6	777.9	777.2	776.6	775.9	776.3	776.8	777.2	777.7	777.9	777.5
127.5°	829.0	829.2	829.4	829.6	829.8	828.7	827.6	826.5	825.4	824.9	824.8
130°	876.8	876.6	876.3	876.1	875.9	875.2	874.6	873.9	873.2	872.9	872.8
132.5°	922.8	922.6	922.3	922.1	921.9	921.0	920.2	919.3	918.4	918.0	917.8
135°	964.8	964.4	963.9	963.5	963.1	962.2	961.4	960.5	959.6	959.2	959.3
137.5°	1006.0	1005.5	1005.1	1004.6	1004.2	1003.1	1002.0	1000.9	999.8	999.3	999.3
140°	1044.1	1043.4	1042.8	1042.1	1041.5	1041.1	1040.6	1040.2	1039.7	1039.5	1039.3
142.5°	1078.5	1078.0	1077.6	1077.1	1076.7	1076.5	1076.3	1076.0	1075.8	1075.7	1075.3
145°	1110.9	1110.7	1110.4	1110.2	1110.0	1110.0	1110.0	1110.0	1110.0	1110.0	1109.7
147.5°	1140.3	1140.1	1139.8	1139.6	1139.4	1139.6	1139.8	1140.1	1140.3	1140.4	1139.7
150°	1167.8	1167.8	1167.8	1167.8	1167.8	1168.0	1168.2	1168.5	1168.7	1168.8	1168.4
152.5°	1193.1	1192.7	1192.2	1191.8	1191.4	1191.8	1192.2	1192.7	1193.1	1193.3	1193.0
155°	1215.4	1214.5	1213.6	1212.8	1211.9	1212.6	1213.2	1213.9	1214.6	1214.9	1214.8
157.5°	1234.9	1233.8	1232.7	1231.6	1230.5	1231.4	1232.3	1233.2	1234.1	1234.5	1234.5
160°	1253.4	1252.1	1250.8	1249.5	1248.2	1248.4	1248.6	1248.9	1249.1	1249.2	1249.5
162.5°	1268.1	1266.8	1265.5	1264.2	1262.9	1263.1	1263.3	1263.6	1263.8	1263.9	1264.3
165°	1282.5	1280.8	1279.1	1277.3	1275.6	1275.6	1275.6	1275.6	1275.6	1275.6	1276.1
167.5°	1293.2	1291.3	1289.3	1287.4	1285.4	1285.6	1285.8	1286.1	1286.3	1286.4	1286.9
170°	1302.1	1300.4	1298.7	1296.9	1295.2	1295.0	1294.8	1294.5	1294.3	1294.2	1294.9
172.5°	1308.0	1306.3	1304.6	1302.8	1301.1	1300.9	1300.7	1300.4	1300.2	1300.1	1300.8
175°	1312.8	1310.9	1308.9	1307.0	1305.0	1304.8	1304.6	1304.3	1304.1	1304.0	1304.7
177.5°	1314.9	1313.2	1311.4	1309.7	1307.9	1307.5	1307.1	1306.6	1306.2	1306.0	1306.8
180°	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9	1309.9

TEST NUMBER: P1000815

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1914.9	1914.9	1914.9	1914.9
2.5°	1862.5	1878.4	1892.7	1914.9
5°	1821.3	1843.5	1873.6	1907.0
7.5°	1773.7	1808.6	1848.3	1894.3
10°	1729.3	1768.9	1819.7	1875.2
12.5°	1683.3	1730.9	1786.4	1846.7
15°	1630.9	1678.5	1740.4	1821.3
17.5°	1583.3	1640.4	1707.1	1792.7
20°	1527.8	1581.7	1654.7	1753.1
22.5°	1478.6	1540.5	1621.4	1707.1
25°	1424.7	1478.6	1559.5	1662.6
27.5°	1370.7	1437.4	1515.1	1615.0
30°	1318.4	1373.9	1458.0	1562.7
32.5°	1261.3	1327.9	1405.6	1504.0
35°	1199.4	1262.8	1335.8	1442.1
37.5°	1143.9	1205.7	1280.3	1373.9
40°	1082.0	1147.0	1215.2	1308.9
42.5°	1021.7	1080.4	1148.6	1234.3
45°	963.0	1013.8	1075.6	1150.2
47.5°	902.7	945.5	1002.7	1069.3
50°	837.7	883.7	926.5	982.0
52.5°	777.4	817.0	851.9	898.0
55°	718.7	745.6	774.2	809.1
57.5°	656.8	677.4	698.1	734.5
60°	594.9	614.0	625.1	648.9
62.5°	534.6	542.6	556.9	571.1
65°	468.0	479.1	487.1	504.5
67.5°	407.7	412.5	420.4	431.5
70°	344.3	355.4	358.5	366.5
72.5°	290.3	295.1	298.3	299.8
75°	230.0	234.8	238.0	247.5
77.5°	180.9	179.3	185.6	187.2
80°	133.3	128.5	130.1	136.4
82.5°	87.3	88.8	87.3	87.3
85°	53.9	52.4	49.2	50.8
87.5°	23.8	23.8	22.2	22.2
90°	10.1	7.7	5.3	2.9
92.5°	13.4	13.8	14.3	14.7
95°	31.7	39.1	46.5	53.9
97.5°	117.2	112.5	107.7	102.9
100°	172.4	168.5	164.6	160.7
102.5°	233.2	230.5	227.9	225.3
105°	298.8	297.5	296.2	294.9
107.5°	360.5	359.9	359.2	358.6
110°	425.2	424.5	423.9	423.2



TEST NUMBER: P1000815

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	489.8	488.5	487.2	485.9
115°	552.5	551.9	551.2	550.6
117.5°	611.0	610.1	609.3	608.4
120°	669.8	668.9	668.1	667.2
122.5°	723.4	722.9	722.5	722.1
125°	776.6	775.7	774.9	774.0
127.5°	824.6	824.4	824.2	824.0
130°	872.6	872.4	872.2	872.0
132.5°	917.3	916.9	916.4	916.0
135°	959.5	959.7	959.9	960.1
137.5°	999.3	999.3	999.3	999.3
140°	1038.8	1038.4	1037.9	1037.5
142.5°	1074.4	1073.5	1072.7	1071.8
145°	1109.0	1108.4	1107.7	1107.1
147.5°	1138.4	1137.1	1135.8	1134.5
150°	1167.5	1166.6	1165.8	1164.9
152.5°	1192.3	1191.7	1191.0	1190.4
155°	1214.6	1214.3	1214.1	1213.9
157.5°	1234.5	1234.5	1234.5	1234.5
160°	1250.2	1250.8	1251.5	1252.1
162.5°	1265.2	1266.1	1266.9	1267.8
165°	1277.2	1278.3	1279.4	1280.5
167.5°	1288.0	1289.1	1290.2	1291.3
170°	1296.2	1297.5	1298.8	1300.1
172.5°	1302.1	1303.4	1304.7	1306.0
175°	1306.0	1307.3	1308.6	1309.9
177.5°	1308.3	1309.8	1311.3	1312.8
180°	1309.9	1309.9	1309.9	1309.9

(END OF REPORT)