

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: P999275

Luminaire Tested: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P999275
REPORT IS A COMBINATION OF REPORTS P987824 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K
Description: Define 2 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

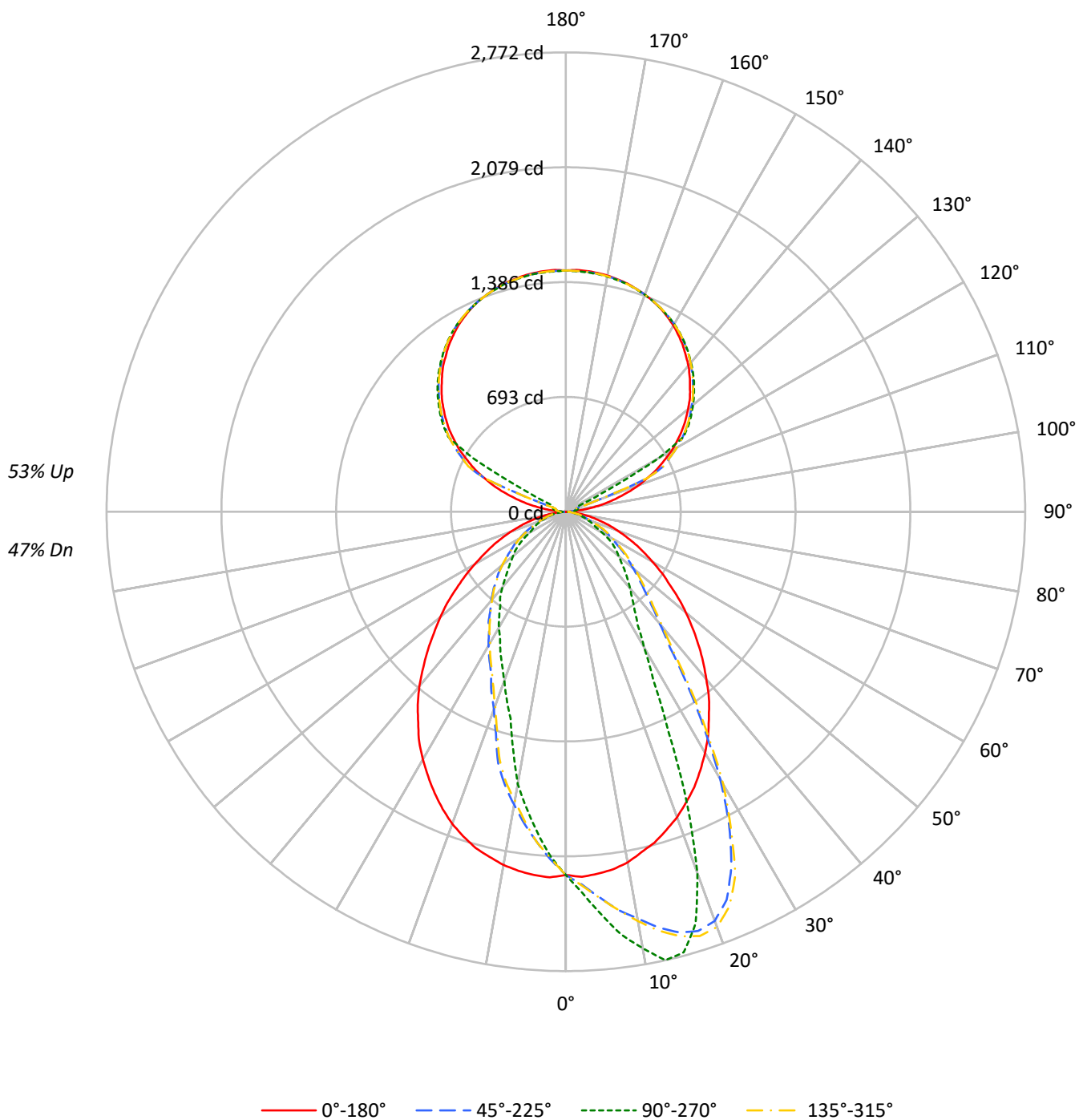
Lumens per Lamp: N/A
Luminaire Lumens: 8057.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 96.3
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

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53
1	98	94	90	87	90	86	83	81	73	70	69	60	59	57	48	47	46
2	90	83	77	72	82	76	72	67	65	61	58	54	51	49	43	42	40
3	82	74	67	61	76	68	62	57	58	53	50	48	45	42	39	37	35
4	76	66	58	53	70	61	54	49	52	47	43	43	40	37	36	33	31
5	70	59	51	46	64	55	48	43	47	42	38	39	36	33	33	30	28
6	65	53	46	40	59	50	43	38	43	37	33	36	32	29	30	27	25
7	60	48	41	35	55	45	38	34	39	34	30	33	29	26	28	25	22
8	56	44	37	32	51	41	35	30	36	30	27	30	26	24	26	23	20
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19
10	49	37	30	26	45	35	29	25	30	25	22	26	22	20	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34688	34688	34688	34688
5°	34769	36845	34889	29434
10°	34387	38943	34630	24307
15°	33640	38956	34210	18260
20°	32742	32200	33455	15065
25°	31654	20121	32338	12815
30°	30265	12883	31088	11033
35°	28575	9901	29500	9442
40°	26691	8322	27831	8259
45°	24679	7083	25710	6933
50°	22615	6018	23672	5996
55°	20331	5230	21426	5162
60°	18301	3988	19269	3941
65°	16402	3001	17377	3405
70°	14313	2397	15430	2776
75°	12094	1836	13202	2098
80°	9604	1249	10331	1377
85°	6667	644	7317	680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 31731 cd/sqm

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	2.6
10°-20°	580.2	7.2
20°-30°	746.7	9.3
30°-40°	708.4	8.8
40°-50°	607.1	7.5
50°-60°	462.3	5.7
60°-70°	291.6	3.6
70°-80°	145.5	1.8
80°-90°	40.0	0.5
90°-100°	48.0	0.6
100°-110°	178.9	2.2
110°-120°	474.6	5.9
120°-130°	787.1	9.8
130°-140°	836.1	10.4
140°-150°	777.0	9.6
150°-160°	624.7	7.8
160°-170°	402.5	5.0
170°-180°	138.5	1.7
0°-30°	1534.7	19.0
0°-40°	2243.1	27.8
0°-60°	3312.6	41.1
0°-90°	3789.6	47.0
90°-120°	701.5	8.7
90°-150°	3101.6	38.5
90°-180°	4267.0	53.0
0°-180°	8057.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2191	2191	2191	2191	2191	
5°	2193	2438	2200	1948	2193	208
15°	2066	2752	2102	1290	2066	581
25°	1834	1468	1873	935	1834	842
35°	1505	723	1553	690	1505	941
45°	1130	502	1177	492	1130	872
55°	763	349	804	344	763	688
65°	461	181	489	206	461	458
75°	216	96	236	110	216	234
85°	47	27	52	29	47	54
90°	1	28	1	28	1	7
95°	68	45	68	45	68	81
105°	320	80	320	80	320	342
115°	606	86	606	86	606	596
125°	856	901	856	901	856	764
135°	1060	1094	1060	1094	1060	819
145°	1229	1248	1229	1248	1229	769
155°	1354	1354	1354	1354	1354	624
165°	1426	1423	1426	1423	1426	403
175°	1459	1450	1459	1450	1459	139
180°	1456	1456	1456	1456	1456	

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2.5°	2205.1	2214.2	2218.8	2224.9	2238.6	2247.7	2261.4	2264.5	2263.0	2269.1	2252.3
5°	2192.9	2212.7	2231.0	2246.2	2270.6	2285.8	2302.6	2322.4	2326.9	2349.8	2336.1
7.5°	2176.2	2205.1	2231.0	2261.4	2298.0	2317.8	2343.7	2374.1	2387.8	2415.3	2422.9
10°	2148.8	2189.9	2234.0	2266.0	2316.3	2351.3	2375.7	2424.4	2456.4	2497.5	2491.4
12.5°	2104.6	2157.9	2217.3	2270.6	2336.1	2358.9	2404.6	2454.8	2496.0	2534.0	2567.5
15°	2066.5	2127.4	2192.9	2258.4	2333.0	2375.7	2421.3	2486.8	2531.0	2598.0	2626.9
17.5°	2014.7	2092.4	2170.1	2243.2	2331.5	2380.2	2436.6	2500.5	2566.0	2630.0	2652.8
20°	1961.4	2045.2	2129.0	2227.9	2328.5	2375.7	2433.5	2512.7	2576.7	2626.9	2626.9
22.5°	1897.5	1999.5	2095.5	2189.9	2299.5	2368.0	2427.4	2520.3	2566.0	2576.7	2535.6
25°	1833.5	1935.6	2040.6	2157.9	2282.8	2343.7	2410.7	2497.5	2512.7	2470.1	2363.5
27.5°	1757.4	1871.6	1990.4	2116.8	2247.7	2323.9	2384.8	2442.7	2413.7	2299.5	2133.5
30°	1679.7	1803.1	1937.1	2057.4	2215.8	2285.8	2337.6	2354.3	2263.0	2077.2	1862.5
32.5°	1599.0	1719.3	1860.9	2005.6	2165.5	2232.5	2266.0	2221.9	2054.3	1819.8	1557.9
35°	1504.6	1640.1	1787.8	1938.6	2097.0	2147.2	2167.0	2058.9	1844.2	1541.1	1280.7
37.5°	1419.3	1554.8	1713.2	1867.0	2020.8	2048.2	2028.4	1859.4	1586.8	1286.8	1032.5
40°	1318.8	1463.5	1618.8	1790.9	1917.3	1924.9	1876.2	1656.9	1318.8	1037.1	880.2
42.5°	1225.9	1372.1	1527.4	1702.6	1798.5	1772.6	1707.1	1419.3	1101.0	893.9	767.5
45°	1130.0	1268.5	1436.1	1591.4	1659.9	1599.0	1500.0	1193.9	924.4	769.0	671.6
47.5°	1037.1	1166.5	1332.5	1481.7	1493.9	1425.4	1308.1	1000.5	801.0	676.1	597.0
50°	945.7	1075.1	1230.5	1353.8	1341.6	1247.2	1114.7	869.6	695.9	597.0	531.5
52.5°	854.3	971.6	1122.3	1219.8	1168.0	1076.7	945.7	737.1	607.6	520.8	470.6
55°	763.0	872.6	1002.0	1082.8	1000.5	895.4	802.5	632.0	526.9	456.9	418.8
57.5°	686.8	773.6	892.4	941.1	842.1	759.9	679.2	543.7	456.9	406.6	362.4
60°	603.1	682.2	779.7	808.6	706.6	639.6	571.1	459.9	391.4	347.2	318.3
62.5°	531.5	597.0	671.6	671.6	581.7	531.5	479.7	385.3	328.9	293.9	280.2
65°	461.4	508.6	561.9	555.8	479.7	435.5	394.4	318.3	275.6	251.3	237.6
67.5°	392.9	429.4	464.5	443.2	388.3	350.3	312.2	257.4	228.4	211.7	193.4
70°	330.5	359.4	377.7	357.9	303.0	271.1	243.7	207.1	184.3	162.9	152.3
72.5°	277.2	289.3	295.4	271.1	225.4	207.1	187.3	161.4	141.6	131.0	127.9
75°	216.2	226.9	222.3	204.1	166.0	152.3	137.1	118.8	114.2	108.1	105.1
77.5°	169.0	169.0	161.4	144.7	118.8	108.1	102.0	92.9	88.3	86.8	83.8
80°	120.3	118.8	114.2	95.9	80.7	74.6	74.6	68.5	67.0	64.0	64.0
82.5°	79.2	79.2	73.1	57.9	53.3	51.8	50.3	47.2	47.2	45.7	45.7
85°	47.2	44.2	36.5	32.0	30.5	30.5	28.9	27.4	28.9	27.4	27.4
87.5°	21.3	16.8	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
90°	1.1	3.7	6.2	8.8	11.3	12.6	13.5	15.4	17.3	19.2	21.1
92.5°	26.3	25.4	24.4	23.5	22.6	22.1	22.5	23.2	23.9	24.6	25.3
95°	68.5	60.8	53.0	45.3	37.6	33.7	34.5	36.2	37.8	39.5	41.1
97.5°	123.2	104.0	84.8	65.7	46.5	36.9	38.8	42.5	46.2	50.0	53.7
100°	186.4	154.3	122.3	90.2	58.1	42.1	44.1	48.1	52.0	56.0	60.0
102.5°	255.9	255.4	255.0	254.5	254.0	253.8	232.5	189.9	147.3	104.7	62.1
105°	320.2	327.2	334.2	341.3	348.3	351.8	319.9	256.0	192.1	128.2	64.3
107.5°	395.0	400.8	406.7	412.5	418.4	421.3	381.9	303.0	224.1	145.3	66.4
110°	466.6	471.5	476.4	481.3	486.2	488.7	454.9	387.2	319.6	251.9	184.3

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	534.0	538.2	542.4	546.7	550.9	553.0	551.0	547.0	543.1	539.1	535.1
115°	605.6	609.6	613.6	617.5	621.5	623.5	626.4	632.3	638.2	644.0	649.9
117.5°	667.8	672.5	677.2	681.9	686.6	688.9	690.9	694.9	698.8	702.8	706.8
120°	737.3	740.8	744.3	747.8	751.3	753.1	755.2	759.4	763.7	767.9	772.1
122.5°	796.3	800.0	803.8	807.5	811.2	813.1	815.4	820.1	824.8	829.5	834.2
125°	856.3	859.3	862.4	865.4	868.5	870.0	872.2	876.7	881.1	885.6	890.0
127.5°	911.1	914.4	917.6	920.9	924.2	925.8	927.6	931.1	934.6	938.1	941.6
130°	962.7	966.5	970.2	974.0	977.7	979.6	980.9	983.4	986.0	988.5	991.1
132.5°	1015.4	1018.4	1021.5	1024.5	1027.6	1029.1	1030.4	1032.9	1035.5	1038.0	1040.6
135°	1059.6	1063.4	1067.1	1070.9	1074.6	1076.5	1077.5	1079.6	1081.7	1083.8	1085.9
137.5°	1106.0	1108.8	1111.6	1114.4	1117.2	1118.6	1119.8	1122.1	1124.4	1126.8	1129.1
140°	1151.2	1153.1	1155.0	1156.9	1158.8	1159.7	1161.0	1163.6	1166.1	1168.7	1171.3
142.5°	1189.2	1190.8	1192.4	1194.1	1195.7	1196.5	1198.0	1201.1	1204.1	1207.2	1210.2
145°	1229.2	1229.0	1228.7	1228.5	1228.2	1228.1	1230.1	1234.1	1238.0	1242.0	1246.0
147.5°	1263.9	1263.2	1262.5	1261.8	1261.1	1260.8	1262.8	1266.8	1270.7	1274.7	1278.7
150°	1297.7	1296.1	1294.4	1292.8	1291.1	1290.3	1292.2	1295.9	1299.6	1303.4	1307.1
152.5°	1326.1	1324.2	1322.4	1320.5	1318.6	1317.7	1319.5	1323.0	1326.5	1330.0	1333.5
155°	1353.5	1351.4	1349.3	1347.2	1345.1	1344.0	1345.4	1348.2	1351.0	1353.8	1356.6
157.5°	1375.6	1373.7	1371.9	1370.0	1368.1	1367.2	1368.2	1370.3	1372.4	1374.5	1376.6
160°	1394.6	1393.2	1391.8	1390.3	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6
162.5°	1411.4	1410.0	1408.6	1407.2	1405.8	1405.1	1405.7	1406.9	1408.0	1409.2	1410.4
165°	1426.2	1424.8	1423.4	1421.9	1420.5	1419.8	1420.2	1420.9	1421.6	1422.3	1423.0
167.5°	1437.7	1436.3	1434.9	1433.5	1432.1	1431.4	1431.8	1432.5	1433.2	1433.9	1434.6
170°	1447.2	1445.8	1444.4	1443.0	1441.6	1440.9	1441.1	1441.6	1442.1	1442.5	1443.0
172.5°	1453.5	1452.1	1450.7	1449.3	1447.9	1447.2	1447.4	1447.9	1448.4	1448.8	1449.3
175°	1458.8	1457.2	1455.5	1453.9	1452.2	1451.4	1451.6	1452.1	1452.6	1453.0	1453.5
177.5°	1460.9	1459.3	1457.6	1456.0	1454.3	1453.5	1453.6	1453.9	1454.1	1454.4	1454.6
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2.5°	2269.1	2272.1	2276.7	2298.0	2301.0	2307.1	2304.1	2304.1	2305.6	2302.6	2304.1
5°	2366.5	2371.1	2393.9	2419.8	2425.9	2419.8	2427.4	2438.1	2438.1	2438.1	2435.1
7.5°	2457.9	2474.6	2500.5	2538.6	2546.2	2553.8	2567.5	2558.4	2561.4	2575.2	2570.6
10°	2546.2	2570.6	2599.5	2631.5	2648.3	2658.9	2665.0	2678.7	2710.7	2674.1	2687.8
12.5°	2630.0	2665.0	2695.5	2730.5	2742.7	2756.4	2760.9	2773.1	2773.1	2771.6	2782.3
15°	2684.8	2716.8	2744.2	2767.0	2770.1	2767.0	2764.0	2765.5	2770.1	2751.8	2762.5
17.5°	2697.0	2700.0	2709.2	2700.0	2701.6	2669.6	2651.3	2646.7	2604.1	2605.6	2640.6
20°	2637.6	2585.8	2572.1	2521.9	2491.4	2409.2	2406.1	2383.3	2293.4	2320.8	2314.7
22.5°	2474.6	2386.3	2269.1	2211.2	2182.3	2095.5	2028.4	1981.2	1949.3	1917.3	1903.6
25°	2259.9	2116.8	1950.8	1836.6	1819.8	1739.1	1615.8	1557.9	1489.4	1468.0	1504.6
27.5°	1982.8	1797.0	1609.7	1434.5	1402.6	1329.5	1267.0	1225.9	1146.7	1142.1	1145.2
30°	1606.6	1419.3	1262.4	1148.2	1069.0	1035.5	994.4	964.0	932.0	944.2	947.2
32.5°	1320.3	1142.1	995.9	935.0	898.5	877.2	842.1	822.3	808.6	804.1	802.5
35°	1049.2	930.5	865.0	805.6	784.3	769.0	743.2	734.0	721.8	723.4	723.4
37.5°	898.5	799.5	750.8	720.3	700.5	692.9	676.1	667.0	659.4	656.4	660.9
40°	775.1	706.6	676.1	648.7	632.0	628.9	619.8	609.1	600.0	601.5	606.1
42.5°	685.3	645.7	609.1	587.8	575.6	571.1	563.5	555.8	555.8	551.3	549.8
45°	613.7	581.7	551.3	531.5	523.9	517.8	508.6	507.1	501.0	502.5	504.1
47.5°	549.8	523.9	501.0	481.2	473.6	472.1	462.9	456.9	456.9	455.3	453.8
50°	491.9	466.0	446.2	435.5	424.9	421.8	420.3	418.8	415.7	415.7	417.3
52.5°	444.7	418.8	403.6	394.4	388.3	385.3	385.3	383.8	383.8	383.8	382.2
55°	392.9	371.6	359.4	356.3	353.3	351.8	350.3	347.2	345.7	348.7	345.7
57.5°	344.2	336.6	325.9	322.8	315.2	315.2	310.7	307.6	304.6	307.6	307.6
60°	306.1	295.4	289.3	280.2	274.1	268.0	260.4	258.9	255.8	254.3	252.8
62.5°	266.5	257.4	242.1	228.4	219.3	213.2	210.2	208.6	208.6	207.1	207.1
65°	222.3	201.0	193.4	188.8	187.3	185.8	182.7	181.2	182.7	181.2	182.7
67.5°	173.6	170.6	166.0	162.9	161.4	159.9	159.9	158.4	158.4	158.4	158.4
70°	150.8	143.1	141.6	138.6	138.6	137.1	137.1	137.1	137.1	135.5	138.6
72.5°	124.9	120.3	118.8	117.3	117.3	117.3	115.7	115.7	115.7	114.2	115.7
75°	102.0	100.5	97.5	97.5	95.9	97.5	95.9	95.9	94.4	95.9	95.9
77.5°	82.2	80.7	79.2	79.2	77.7	77.7	77.7	77.7	77.7	77.7	79.2
80°	62.4	60.9	59.4	60.9	59.4	60.9	59.4	59.4	60.9	59.4	59.4
82.5°	45.7	44.2	44.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
85°	27.4	25.9	25.9	27.4	25.9	27.4	25.9	25.9	25.9	27.4	27.4
87.5°	12.2	13.7	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	13.7
90°	22.3	23.4	24.6	25.7	26.3	26.5	27.0	27.5	27.9	28.4	27.9
92.5°	25.8	26.2	26.7	27.2	27.4	27.5	27.7	28.0	28.2	28.4	28.2
95°	42.3	43.4	44.6	45.7	46.3	46.2	46.0	45.7	45.5	45.3	45.5
97.5°	54.4	55.1	55.8	56.5	56.9	57.0	57.2	57.5	57.7	57.9	57.7
100°	61.9	63.8	65.7	67.6	68.5	68.7	69.2	69.7	70.1	70.6	70.1
102.5°	64.7	67.3	69.8	72.4	73.7	74.1	74.8	75.5	76.2	76.9	76.2
105°	66.9	69.4	72.0	74.5	75.8	76.3	77.2	78.1	79.1	80.0	79.1
107.5°	69.0	71.5	74.1	76.6	77.9	78.4	79.3	80.3	81.2	82.2	81.2
110°	160.9	137.5	114.1	90.7	79.0	79.5	80.4	81.3	82.3	83.2	82.3

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	434.2	333.3	232.4	131.5	81.1	81.5	82.2	82.9	83.6	84.3	83.6
115°	541.5	433.1	324.8	216.4	162.2	153.8	136.9	120.1	103.2	86.4	103.2
117.5°	673.3	639.8	606.3	572.8	556.1	525.4	464.1	402.8	341.5	280.2	341.5
120°	774.9	777.7	780.5	783.3	784.7	768.9	737.3	705.7	674.1	642.5	674.1
122.5°	835.6	837.0	838.4	839.8	840.5	840.6	840.9	841.1	841.4	841.6	841.4
125°	891.6	893.3	894.9	896.6	897.4	897.8	898.5	899.2	899.9	900.6	899.9
127.5°	944.0	946.3	948.7	951.0	952.2	952.3	952.5	952.8	953.0	953.2	953.0
130°	993.7	996.3	998.8	1001.4	1002.7	1002.6	1002.4	1002.1	1001.9	1001.7	1001.9
132.5°	1042.7	1044.8	1046.9	1049.0	1050.1	1050.0	1049.8	1049.5	1049.3	1049.1	1049.3
135°	1088.3	1090.6	1093.0	1095.3	1096.5	1096.3	1095.8	1095.3	1094.9	1094.4	1094.9
137.5°	1131.5	1133.8	1136.2	1138.5	1139.7	1139.3	1138.6	1137.9	1137.2	1136.5	1137.2
140°	1173.4	1175.5	1177.6	1179.7	1180.7	1180.1	1179.0	1177.8	1176.7	1175.5	1176.7
142.5°	1212.1	1214.0	1215.9	1217.8	1218.7	1218.1	1216.9	1215.8	1214.6	1213.4	1214.6
145°	1247.6	1249.3	1250.9	1252.6	1253.4	1252.8	1251.6	1250.5	1249.3	1248.1	1249.3
147.5°	1279.9	1281.1	1282.2	1283.4	1284.0	1283.5	1282.6	1281.6	1280.7	1279.7	1280.7
150°	1308.5	1309.9	1311.4	1312.8	1313.5	1312.9	1311.7	1310.6	1309.4	1308.2	1309.4
152.5°	1334.9	1336.3	1337.7	1339.1	1339.8	1339.0	1337.3	1335.7	1334.0	1332.4	1334.0
155°	1358.0	1359.4	1360.9	1362.3	1363.0	1362.1	1360.2	1358.3	1356.4	1354.5	1356.4
157.5°	1378.2	1379.9	1381.5	1383.2	1384.0	1383.1	1381.2	1379.3	1377.5	1375.6	1377.5
160°	1396.0	1397.4	1398.8	1400.2	1400.9	1400.1	1398.4	1396.8	1395.1	1393.5	1395.1
162.5°	1412.0	1413.6	1415.3	1416.9	1417.7	1416.6	1414.5	1412.4	1410.3	1408.2	1410.3
165°	1424.6	1426.3	1427.9	1429.6	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1424.6
167.5°	1436.2	1437.9	1439.5	1441.2	1442.0	1440.9	1438.8	1436.7	1434.6	1432.5	1434.6
170°	1444.6	1446.3	1447.9	1449.6	1450.4	1449.3	1447.2	1445.1	1443.0	1440.9	1443.0
172.5°	1450.9	1452.6	1454.2	1455.9	1456.7	1455.6	1453.5	1451.4	1449.3	1447.2	1449.3
175°	1455.1	1456.8	1458.4	1460.1	1460.9	1459.7	1457.4	1455.1	1452.7	1450.4	1452.7
177.5°	1456.2	1457.9	1459.5	1461.2	1462.0	1460.9	1458.8	1456.7	1454.6	1452.5	1454.6
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2.5°	2310.2	2299.5	2296.5	2299.5	2296.5	2298.0	2287.3	2247.7	2258.4	2241.6	2250.8
5°	2441.1	2432.0	2412.2	2409.2	2406.1	2403.1	2387.8	2352.8	2339.1	2316.3	2314.7
7.5°	2566.0	2566.0	2550.8	2540.1	2526.4	2515.8	2496.0	2444.2	2422.9	2395.5	2380.2
10°	2689.4	2649.8	2666.5	2655.9	2622.4	2616.3	2579.7	2549.3	2508.1	2480.7	2456.4
12.5°	2777.7	2765.5	2750.3	2741.1	2732.0	2712.2	2687.8	2610.2	2588.9	2534.0	2506.6
15°	2774.6	2767.0	2771.6	2771.6	2768.6	2764.0	2744.2	2687.8	2651.3	2598.0	2550.8
17.5°	2625.4	2645.2	2665.0	2678.7	2709.2	2722.9	2741.1	2707.6	2684.8	2639.1	2588.9
20°	2365.0	2413.7	2471.6	2483.8	2511.2	2591.9	2628.5	2657.4	2666.5	2651.3	2610.2
22.5°	2002.6	2043.7	2183.8	2180.7	2220.3	2316.3	2422.9	2509.7	2578.2	2616.3	2601.0
25°	1568.5	1626.4	1701.0	1757.4	1886.8	2030.0	2162.5	2301.0	2419.8	2524.9	2550.8
27.5°	1186.3	1262.4	1321.8	1396.5	1461.9	1631.0	1801.5	2017.8	2156.4	2355.9	2459.4
30°	959.4	994.4	1053.8	1088.8	1120.8	1250.3	1443.7	1656.9	1900.5	2130.5	2308.7
32.5°	819.3	843.7	887.8	903.1	936.6	1023.4	1145.2	1340.1	1591.4	1870.1	2104.6
35°	735.5	761.4	770.6	784.3	811.7	866.5	950.3	1091.9	1318.8	1591.4	1871.6
37.5°	664.0	677.7	703.6	712.7	721.8	763.0	819.3	918.3	1069.0	1292.9	1603.6
40°	613.7	621.3	635.0	642.6	648.7	677.7	727.9	794.9	906.1	1076.7	1363.0
42.5°	560.4	569.5	578.7	587.8	595.4	618.3	648.7	712.7	787.3	916.8	1123.9
45°	508.6	514.7	525.4	531.5	542.1	560.4	587.8	632.0	699.0	781.2	948.7
47.5°	461.4	469.0	473.6	481.2	488.8	508.6	534.5	563.5	618.3	699.0	820.8
50°	418.8	427.9	434.0	435.5	441.6	459.9	481.2	513.2	548.2	610.7	717.3
52.5°	388.3	389.9	394.4	400.5	399.0	409.6	429.4	453.8	490.4	540.6	618.3
55°	353.3	357.9	360.9	362.4	362.4	371.6	382.2	405.1	434.0	475.1	540.6
57.5°	309.1	313.7	322.8	325.9	330.5	335.0	339.6	354.8	379.2	418.8	472.1
60°	263.5	266.5	275.6	281.7	284.8	297.0	303.0	315.2	328.9	357.9	408.1
62.5°	211.7	214.7	219.3	225.4	231.5	249.7	265.0	277.2	287.8	307.6	348.7
65°	184.3	185.8	188.8	190.4	191.9	199.5	213.2	230.0	249.7	265.0	289.3
67.5°	159.9	161.4	162.9	166.0	167.5	169.0	175.1	179.7	199.5	220.8	239.1
70°	137.1	140.1	141.6	141.6	143.1	146.2	149.2	155.3	161.4	172.1	194.9
72.5°	115.7	117.3	120.3	120.3	120.3	123.4	126.4	129.4	132.5	138.6	147.7
75°	95.9	99.0	99.0	99.0	100.5	100.5	103.6	106.6	109.6	114.2	117.3
77.5°	79.2	79.2	79.2	79.2	80.7	80.7	82.2	85.3	86.8	88.3	91.4
80°	59.4	60.9	60.9	60.9	62.4	62.4	62.4	65.5	67.0	67.0	70.1
82.5°	44.2	44.2	44.2	45.7	44.2	45.7	45.7	47.2	45.7	47.2	48.7
85°	27.4	27.4	27.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	30.5
87.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	15.2	13.7	13.7
90°	27.5	27.0	26.5	26.3	25.7	24.6	23.4	22.3	21.1	19.2	17.3
92.5°	28.0	27.7	27.5	27.4	27.2	26.7	26.2	25.8	25.3	24.6	23.9
95°	45.7	46.0	46.2	46.3	45.7	44.6	43.4	42.3	41.1	39.5	37.8
97.5°	57.5	57.2	57.0	56.9	56.5	55.8	55.1	54.4	53.7	50.0	46.2
100°	69.7	69.2	68.7	68.5	67.6	65.7	63.8	61.9	60.0	56.0	52.0
102.5°	75.5	74.8	74.1	73.7	72.4	69.8	67.3	64.7	62.1	104.7	147.3
105°	78.1	77.2	76.3	75.8	74.5	72.0	69.4	66.9	64.3	128.2	192.1
107.5°	80.3	79.3	78.4	77.9	76.6	74.1	71.5	69.0	66.4	145.3	224.1
110°	81.3	80.4	79.5	79.0	90.7	114.1	137.5	160.9	184.3	251.9	319.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	82.9	82.2	81.5	81.1	131.5	232.4	333.3	434.2	535.1	539.1	543.1
115°	120.1	136.9	153.8	162.2	216.4	324.8	433.1	541.5	649.9	644.0	638.2
117.5°	402.8	464.1	525.4	556.1	572.8	606.3	639.8	673.3	706.8	702.8	698.8
120°	705.7	737.3	768.9	784.7	783.3	780.5	777.7	774.9	772.1	767.9	763.7
122.5°	841.1	840.9	840.6	840.5	839.8	838.4	837.0	835.6	834.2	829.5	824.8
125°	899.2	898.5	897.8	897.4	896.6	894.9	893.3	891.6	890.0	885.6	881.1
127.5°	952.8	952.5	952.3	952.2	951.0	948.7	946.3	944.0	941.6	938.1	934.6
130°	1002.1	1002.4	1002.6	1002.7	1001.4	998.8	996.3	993.7	991.1	988.5	986.0
132.5°	1049.5	1049.8	1050.0	1050.1	1049.0	1046.9	1044.8	1042.7	1040.6	1038.0	1035.5
135°	1095.3	1095.8	1096.3	1096.5	1095.3	1093.0	1090.6	1088.3	1085.9	1083.8	1081.7
137.5°	1137.9	1138.6	1139.3	1139.7	1138.5	1136.2	1133.8	1131.5	1129.1	1126.8	1124.4
140°	1177.8	1179.0	1180.1	1180.7	1179.7	1177.6	1175.5	1173.4	1171.3	1168.7	1166.1
142.5°	1215.8	1216.9	1218.1	1218.7	1217.8	1215.9	1214.0	1212.1	1210.2	1207.2	1204.1
145°	1250.5	1251.6	1252.8	1253.4	1252.6	1250.9	1249.3	1247.6	1246.0	1242.0	1238.0
147.5°	1281.6	1282.6	1283.5	1284.0	1283.4	1282.2	1281.1	1279.9	1278.7	1274.7	1270.7
150°	1310.6	1311.7	1312.9	1313.5	1312.8	1311.4	1309.9	1308.5	1307.1	1303.4	1299.6
152.5°	1335.7	1337.3	1339.0	1339.8	1339.1	1337.7	1336.3	1334.9	1333.5	1330.0	1326.5
155°	1358.3	1360.2	1362.1	1363.0	1362.3	1360.9	1359.4	1358.0	1356.6	1353.8	1351.0
157.5°	1379.3	1381.2	1383.1	1384.0	1383.2	1381.5	1379.9	1378.2	1376.6	1374.5	1372.4
160°	1396.8	1398.4	1400.1	1400.9	1400.2	1398.8	1397.4	1396.0	1394.6	1393.2	1391.8
162.5°	1412.4	1414.5	1416.6	1417.7	1416.9	1415.3	1413.6	1412.0	1410.4	1409.2	1408.0
165°	1426.3	1427.9	1429.6	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1422.3	1421.6
167.5°	1436.7	1438.8	1440.9	1442.0	1441.2	1439.5	1437.9	1436.2	1434.6	1433.9	1433.2
170°	1445.1	1447.2	1449.3	1450.4	1449.6	1447.9	1446.3	1444.6	1443.0	1442.5	1442.1
172.5°	1451.4	1453.5	1455.6	1456.7	1455.9	1454.2	1452.6	1450.9	1449.3	1448.8	1448.4
175°	1455.1	1457.4	1459.7	1460.9	1460.1	1458.4	1456.8	1455.1	1453.5	1453.0	1452.6
177.5°	1456.7	1458.8	1460.9	1462.0	1461.2	1459.5	1457.9	1456.2	1454.6	1454.4	1454.1
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2.5°	2237.1	2229.5	2229.5	2224.9	2224.9	2200.5	2200.5	2208.1	2199.0	2188.3	2173.1
5°	2294.9	2278.2	2273.6	2267.5	2247.7	2217.3	2205.1	2200.5	2182.3	2159.4	2133.5
7.5°	2349.8	2322.4	2308.7	2294.9	2269.1	2226.4	2202.1	2185.3	2157.9	2122.9	2089.4
10°	2403.1	2368.0	2333.0	2316.3	2279.7	2226.4	2191.4	2164.0	2124.4	2077.2	2030.0
12.5°	2451.8	2378.7	2372.6	2339.1	2285.8	2224.9	2171.6	2132.0	2081.7	2026.9	1972.1
15°	2494.4	2419.8	2383.3	2352.8	2282.8	2206.6	2150.3	2101.5	2034.5	1972.1	1905.1
17.5°	2515.8	2435.1	2410.7	2360.4	2288.9	2189.9	2113.7	2054.3	1981.2	1906.6	1830.5
20°	2537.1	2442.7	2403.1	2368.0	2270.6	2157.9	2072.6	2004.1	1923.4	1835.0	1751.3
22.5°	2547.7	2442.7	2395.5	2346.7	2252.3	2122.9	2022.4	1941.6	1847.2	1757.4	1656.9
25°	2529.5	2433.5	2377.2	2326.9	2220.3	2080.2	1964.5	1873.1	1772.6	1670.6	1568.5
27.5°	2483.8	2412.2	2346.7	2294.9	2176.2	2025.4	1903.6	1800.0	1696.5	1582.3	1478.7
30°	2398.5	2366.5	2314.7	2256.9	2127.4	1976.7	1832.0	1725.4	1611.2	1497.0	1388.8
32.5°	2266.0	2293.4	2259.9	2209.7	2069.6	1909.7	1755.9	1647.7	1522.9	1399.5	1300.5
35°	2104.6	2202.1	2183.8	2148.8	2008.7	1838.1	1684.3	1553.3	1428.4	1303.6	1204.6
37.5°	1927.9	2075.7	2090.9	2069.6	1938.6	1765.0	1596.0	1468.0	1340.1	1213.7	1113.2
40°	1685.8	1912.7	1961.4	1970.6	1865.5	1676.7	1500.0	1375.1	1248.7	1125.4	1003.6
42.5°	1463.5	1749.8	1810.7	1848.8	1772.6	1589.9	1411.7	1273.1	1148.2	1037.1	915.2
45°	1254.8	1553.3	1652.3	1701.0	1667.5	1490.9	1306.6	1177.2	1063.0	960.9	843.7
47.5°	1040.1	1340.1	1478.7	1556.4	1556.4	1390.4	1206.1	1078.2	968.5	881.7	778.2
50°	897.0	1146.7	1289.9	1391.9	1419.3	1288.3	1114.7	989.9	886.3	791.9	712.7
52.5°	764.5	988.3	1107.1	1213.7	1292.9	1178.7	1012.7	900.0	798.0	709.7	647.2
55°	660.9	828.4	936.6	1053.8	1142.1	1067.5	913.7	804.1	715.7	642.6	589.3
57.5°	561.9	708.1	796.5	900.0	994.4	938.1	814.7	720.3	642.6	578.7	531.5
60°	478.2	597.0	665.5	746.2	863.5	823.9	721.8	635.0	572.6	514.7	475.1
62.5°	406.6	501.0	558.9	616.8	723.4	705.1	625.9	558.9	505.6	456.9	423.4
65°	333.5	411.2	456.9	507.1	592.4	600.0	536.0	488.8	440.1	397.5	367.0
67.5°	269.5	330.5	371.6	414.2	482.7	504.1	459.9	420.3	379.2	344.2	316.8
70°	217.8	260.4	290.9	324.4	380.7	406.6	383.8	356.3	322.8	293.9	269.5
72.5°	172.1	199.5	217.8	243.7	289.3	315.2	313.7	289.3	265.0	245.2	225.4
75°	126.4	147.7	162.9	179.7	216.2	240.6	246.7	236.0	211.7	196.4	181.2
77.5°	95.9	108.1	115.7	127.9	153.8	175.1	184.3	181.2	164.5	152.3	141.6
80°	73.1	76.1	79.2	83.8	105.1	124.9	131.0	129.4	120.3	115.7	103.6
82.5°	51.8	53.3	54.8	56.3	64.0	80.7	86.8	89.8	82.2	77.7	67.0
85°	30.5	32.0	32.0	35.0	36.5	41.1	51.8	51.8	50.3	44.2	42.6
87.5°	15.2	15.2	13.7	13.7	15.2	16.8	19.8	22.8	19.8	18.3	16.8
90°	15.4	13.5	12.6	11.3	8.8	6.2	3.7	1.1	3.7	6.2	8.8
92.5°	23.2	22.5	22.1	22.6	23.5	24.4	25.4	26.3	25.4	24.4	23.5
95°	36.2	34.5	33.7	37.6	45.3	53.0	60.8	68.5	60.8	53.0	45.3
97.5°	42.5	38.8	36.9	46.5	65.7	84.8	104.0	123.2	104.0	84.8	65.7
100°	48.1	44.1	42.1	58.1	90.2	122.3	154.3	186.4	154.3	122.3	90.2
102.5°	189.9	232.5	253.8	254.0	254.5	255.0	255.4	255.9	255.4	255.0	254.5
105°	256.0	319.9	351.8	348.3	341.3	334.2	327.2	320.2	327.2	334.2	341.3
107.5°	303.0	381.9	421.3	418.4	412.5	406.7	400.8	395.0	400.8	406.7	412.5
110°	387.2	454.9	488.7	486.2	481.3	476.4	471.5	466.6	471.5	476.4	481.3

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	547.0	551.0	553.0	550.9	546.7	542.4	538.2	534.0	538.2	542.4	546.7
115°	632.3	626.4	623.5	621.5	617.5	613.6	609.6	605.6	609.6	613.6	617.5
117.5°	694.9	690.9	688.9	686.6	681.9	677.2	672.5	667.8	672.5	677.2	681.9
120°	759.4	755.2	753.1	751.3	747.8	744.3	740.8	737.3	740.8	744.3	747.8
122.5°	820.1	815.4	813.1	811.2	807.5	803.8	800.0	796.3	800.0	803.8	807.5
125°	876.7	872.2	870.0	868.5	865.4	862.4	859.3	856.3	859.3	862.4	865.4
127.5°	931.1	927.6	925.8	924.2	920.9	917.6	914.4	911.1	914.4	917.6	920.9
130°	983.4	980.9	979.6	977.7	974.0	970.2	966.5	962.7	966.5	970.2	974.0
132.5°	1032.9	1030.4	1029.1	1027.6	1024.5	1021.5	1018.4	1015.4	1018.4	1021.5	1024.5
135°	1079.6	1077.5	1076.5	1074.6	1070.9	1067.1	1063.4	1059.6	1063.4	1067.1	1070.9
137.5°	1122.1	1119.8	1118.6	1117.2	1114.4	1111.6	1108.8	1106.0	1108.8	1111.6	1114.4
140°	1163.6	1161.0	1159.7	1158.8	1156.9	1155.0	1153.1	1151.2	1153.1	1155.0	1156.9
142.5°	1201.1	1198.0	1196.5	1195.7	1194.1	1192.4	1190.8	1189.2	1190.8	1192.4	1194.1
145°	1234.1	1230.1	1228.1	1228.2	1228.5	1228.7	1229.0	1229.2	1229.0	1228.7	1228.5
147.5°	1266.8	1262.8	1260.8	1261.1	1261.8	1262.5	1263.2	1263.9	1263.2	1262.5	1261.8
150°	1295.9	1292.2	1290.3	1291.1	1292.8	1294.4	1296.1	1297.7	1296.1	1294.4	1292.8
152.5°	1323.0	1319.5	1317.7	1318.6	1320.5	1322.4	1324.2	1326.1	1324.2	1322.4	1320.5
155°	1348.2	1345.4	1344.0	1345.1	1347.2	1349.3	1351.4	1353.5	1351.4	1349.3	1347.2
157.5°	1370.3	1368.2	1367.2	1368.1	1370.0	1371.9	1373.7	1375.6	1373.7	1371.9	1370.0
160°	1390.3	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6	1393.2	1391.8	1390.3
162.5°	1406.9	1405.7	1405.1	1405.8	1407.2	1408.6	1410.0	1411.4	1410.0	1408.6	1407.2
165°	1420.9	1420.2	1419.8	1420.5	1421.9	1423.4	1424.8	1426.2	1424.8	1423.4	1421.9
167.5°	1432.5	1431.8	1431.4	1432.1	1433.5	1434.9	1436.3	1437.7	1436.3	1434.9	1433.5
170°	1441.6	1441.1	1440.9	1441.6	1443.0	1444.4	1445.8	1447.2	1445.8	1444.4	1443.0
172.5°	1447.9	1447.4	1447.2	1447.9	1449.3	1450.7	1452.1	1453.5	1452.1	1450.7	1449.3
175°	1452.1	1451.6	1451.4	1452.2	1453.9	1455.5	1457.2	1458.8	1457.2	1455.5	1453.9
177.5°	1453.9	1453.6	1453.5	1454.3	1456.0	1457.6	1459.3	1460.9	1459.3	1457.6	1456.0
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2.5°	2167.0	2168.6	2173.1	2159.4	2138.1	2129.0	2101.5	2097.0	2092.4	2092.4	2097.0
5°	2118.3	2112.2	2113.7	2087.8	2057.4	2039.1	2001.0	2007.1	1987.3	1975.1	1978.2
7.5°	2065.0	2048.2	2046.7	2013.2	1975.1	1941.6	1902.1	1892.9	1874.6	1853.3	1844.2
10°	1998.0	1985.8	1963.0	1924.9	1876.2	1848.8	1795.5	1763.5	1758.9	1726.9	1714.7
12.5°	1929.5	1908.1	1885.3	1832.0	1777.2	1733.0	1693.4	1658.4	1634.0	1606.6	1588.3
15°	1850.3	1824.4	1798.5	1742.2	1678.2	1634.0	1574.6	1522.9	1451.3	1394.9	1363.0
17.5°	1763.5	1734.5	1699.5	1637.1	1574.6	1513.7	1404.1	1343.2	1292.9	1259.4	1239.6
20°	1673.6	1641.6	1606.6	1544.2	1436.1	1329.5	1268.5	1221.3	1190.9	1157.4	1133.0
22.5°	1579.2	1545.7	1507.6	1410.2	1296.0	1221.3	1174.1	1130.0	1085.8	1067.5	1055.3
25°	1490.9	1460.4	1411.7	1279.2	1189.4	1120.8	1067.5	1038.6	1015.7	991.4	968.5
27.5°	1399.5	1343.2	1274.6	1163.5	1107.1	1037.1	999.0	977.7	938.1	921.3	910.7
30°	1289.9	1227.4	1161.9	1082.8	1017.3	968.5	933.5	898.5	875.6	858.9	840.6
32.5°	1178.7	1119.3	1078.2	995.9	947.2	897.0	863.5	842.1	808.6	798.0	790.4
35°	1082.8	1032.5	995.9	928.9	883.3	837.6	813.2	781.2	759.9	740.1	727.9
37.5°	988.3	960.9	922.9	866.5	817.8	781.2	747.7	737.1	708.1	697.5	685.3
40°	922.9	881.7	849.8	801.0	759.9	720.3	699.0	674.6	654.8	638.1	633.5
42.5°	843.7	813.2	794.9	741.6	699.0	676.1	650.3	622.8	607.6	593.9	577.2
45°	784.3	756.9	731.0	688.3	650.3	621.3	598.5	580.2	554.3	548.2	522.3
47.5°	721.8	694.4	674.6	632.0	597.0	569.5	552.8	528.4	507.1	493.4	481.2
50°	659.4	636.6	618.3	581.7	551.3	522.3	499.5	475.1	466.0	443.2	435.5
52.5°	600.0	584.8	565.0	530.0	499.5	475.1	450.8	431.0	417.3	405.1	395.9
55°	549.8	525.4	516.2	478.2	452.3	426.4	405.1	392.9	376.1	368.5	360.9
57.5°	493.4	479.7	464.5	435.5	406.6	382.2	367.0	348.7	339.6	330.5	324.4
60°	444.7	424.9	412.7	388.3	362.4	339.6	325.9	312.2	300.0	292.4	280.2
62.5°	388.3	373.1	365.5	339.6	318.3	297.0	284.8	271.1	261.9	248.2	233.0
65°	339.6	327.4	318.3	297.0	277.2	257.4	245.2	228.4	216.2	208.6	207.1
67.5°	297.0	287.8	274.1	254.3	234.5	219.3	205.6	191.9	190.4	187.3	187.3
70°	249.7	240.6	233.0	211.7	194.9	178.2	175.1	170.6	166.0	164.5	161.4
72.5°	208.6	201.0	191.9	173.6	156.9	152.3	149.2	146.2	141.6	140.1	138.6
75°	169.0	158.4	152.3	135.5	131.0	127.9	124.9	120.3	117.3	115.7	112.7
77.5°	129.4	118.8	118.8	109.6	106.6	102.0	99.0	95.9	94.4	91.4	91.4
80°	91.4	91.4	88.3	83.8	79.2	77.7	73.1	71.6	70.1	71.6	68.5
82.5°	67.0	60.9	60.9	57.9	54.8	53.3	50.3	50.3	48.7	48.7	48.7
85°	38.1	38.1	36.5	33.5	32.0	32.0	30.5	30.5	28.9	28.9	27.4
87.5°	15.2	13.7	15.2	13.7	13.7	12.2	12.2	12.2	10.7	12.2	10.7
90°	11.3	12.6	13.5	15.4	17.3	19.2	21.1	22.3	23.4	24.6	25.7
92.5°	22.6	22.1	22.5	23.2	23.9	24.6	25.3	25.8	26.2	26.7	27.2
95°	37.6	33.7	34.5	36.2	37.8	39.5	41.1	42.3	43.4	44.6	45.7
97.5°	46.5	36.9	38.8	42.5	46.2	50.0	53.7	54.4	55.1	55.8	56.5
100°	58.1	42.1	44.1	48.1	52.0	56.0	60.0	61.9	63.8	65.7	67.6
102.5°	254.0	253.8	232.5	189.9	147.3	104.7	62.1	64.7	67.3	69.8	72.4
105°	348.3	351.8	319.9	256.0	192.1	128.2	64.3	66.9	69.4	72.0	74.5
107.5°	418.4	421.3	381.9	303.0	224.1	145.3	66.4	69.0	71.5	74.1	76.6
110°	486.2	488.7	454.9	387.2	319.6	251.9	184.3	160.9	137.5	114.1	90.7

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	550.9	553.0	551.0	547.0	543.1	539.1	535.1	434.2	333.3	232.4	131.5
115°	621.5	623.5	626.4	632.3	638.2	644.0	649.9	541.5	433.1	324.8	216.4
117.5°	686.6	688.9	690.9	694.9	698.8	702.8	706.8	673.3	639.8	606.3	572.8
120°	751.3	753.1	755.2	759.4	763.7	767.9	772.1	774.9	777.7	780.5	783.3
122.5°	811.2	813.1	815.4	820.1	824.8	829.5	834.2	835.6	837.0	838.4	839.8
125°	868.5	870.0	872.2	876.7	881.1	885.6	890.0	891.6	893.3	894.9	896.6
127.5°	924.2	925.8	927.6	931.1	934.6	938.1	941.6	944.0	946.3	948.7	951.0
130°	977.7	979.6	980.9	983.4	986.0	988.5	991.1	993.7	996.3	998.8	1001.4
132.5°	1027.6	1029.1	1030.4	1032.9	1035.5	1038.0	1040.6	1042.7	1044.8	1046.9	1049.0
135°	1074.6	1076.5	1077.5	1079.6	1081.7	1083.8	1085.9	1088.3	1090.6	1093.0	1095.3
137.5°	1117.2	1118.6	1119.8	1122.1	1124.4	1126.8	1129.1	1131.5	1133.8	1136.2	1138.5
140°	1158.8	1159.7	1161.0	1163.6	1166.1	1168.7	1171.3	1173.4	1175.5	1177.6	1179.7
142.5°	1195.7	1196.5	1198.0	1201.1	1204.1	1207.2	1210.2	1212.1	1214.0	1215.9	1217.8
145°	1228.2	1228.1	1230.1	1234.1	1238.0	1242.0	1246.0	1247.6	1249.3	1250.9	1252.6
147.5°	1261.1	1260.8	1262.8	1266.8	1270.7	1274.7	1278.7	1279.9	1281.1	1282.2	1283.4
150°	1291.1	1290.3	1292.2	1295.9	1299.6	1303.4	1307.1	1308.5	1309.9	1311.4	1312.8
152.5°	1318.6	1317.7	1319.5	1323.0	1326.5	1330.0	1333.5	1334.9	1336.3	1337.7	1339.1
155°	1345.1	1344.0	1345.4	1348.2	1351.0	1353.8	1356.6	1358.0	1359.4	1360.9	1362.3
157.5°	1368.1	1367.2	1368.2	1370.3	1372.4	1374.5	1376.6	1378.2	1379.9	1381.5	1383.2
160°	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6	1396.0	1397.4	1398.8	1400.2
162.5°	1405.8	1405.1	1405.7	1406.9	1408.0	1409.2	1410.4	1412.0	1413.6	1415.3	1416.9
165°	1420.5	1419.8	1420.2	1420.9	1421.6	1422.3	1423.0	1424.6	1426.3	1427.9	1429.6
167.5°	1432.1	1431.4	1431.8	1432.5	1433.2	1433.9	1434.6	1436.2	1437.9	1439.5	1441.2
170°	1441.6	1440.9	1441.1	1441.6	1442.1	1442.5	1443.0	1444.6	1446.3	1447.9	1449.6
172.5°	1447.9	1447.2	1447.4	1447.9	1448.4	1448.8	1449.3	1450.9	1452.6	1454.2	1455.9
175°	1452.2	1451.4	1451.6	1452.1	1452.6	1453.0	1453.5	1455.1	1456.8	1458.4	1460.1
177.5°	1454.3	1453.5	1453.6	1453.9	1454.1	1454.4	1454.6	1456.2	1457.9	1459.5	1461.2
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2.5°	2097.0	2093.9	2084.8	2087.8	2083.3	2083.3	2080.2	2080.2	2080.2	2087.8	2083.3
5°	1982.8	1972.1	1961.4	1956.9	1952.3	1947.7	1947.7	1946.2	1959.9	1956.9	1969.1
7.5°	1841.1	1838.1	1816.8	1816.8	1809.2	1806.1	1813.7	1815.2	1816.8	1819.8	1827.4
10°	1714.7	1707.1	1676.7	1679.7	1675.1	1669.1	1673.6	1670.6	1681.2	1684.3	1681.2
12.5°	1565.5	1551.8	1518.3	1501.5	1483.3	1469.6	1486.3	1474.1	1516.8	1529.0	1562.5
15°	1367.5	1341.6	1318.8	1318.8	1302.0	1289.9	1297.5	1311.2	1320.3	1334.0	1340.1
17.5°	1235.0	1224.4	1206.1	1195.4	1190.9	1186.3	1186.3	1192.4	1212.2	1210.7	1222.9
20°	1122.3	1116.3	1107.1	1093.4	1088.8	1085.8	1085.8	1085.8	1099.5	1111.7	1119.3
22.5°	1044.7	1040.1	1034.0	1015.7	1006.6	1003.6	1011.2	1015.7	1026.4	1035.5	1043.2
25°	967.0	956.4	945.7	939.6	935.0	935.0	938.1	939.6	944.2	948.7	957.9
27.5°	903.1	895.4	880.2	863.5	863.5	858.9	861.9	865.0	875.6	890.9	898.5
30°	831.5	830.0	823.9	817.8	811.7	808.6	814.7	819.3	820.8	828.4	828.4
32.5°	779.7	769.0	758.4	752.3	749.2	747.7	749.2	755.3	755.3	764.5	775.1
35°	727.9	721.8	711.2	700.5	697.5	689.9	695.9	702.0	712.7	717.3	721.8
37.5°	671.6	664.0	659.4	656.4	650.3	651.8	647.2	656.4	665.5	664.0	667.0
40°	628.9	615.2	601.5	600.0	598.5	597.0	597.0	598.5	604.6	610.7	619.8
42.5°	574.1	569.5	557.4	545.2	542.1	539.1	536.0	542.1	554.3	565.0	569.5
45°	517.8	511.7	508.6	499.5	493.4	491.9	488.8	496.5	507.1	511.7	514.7
47.5°	466.0	464.5	455.3	456.9	452.3	453.8	452.3	456.9	456.9	461.4	464.5
50°	431.0	426.4	421.8	418.8	414.2	414.2	412.7	414.2	420.3	426.4	424.9
52.5°	395.9	388.3	386.8	385.3	382.2	385.3	380.7	382.2	388.3	391.4	389.9
55°	354.8	353.3	350.3	347.2	345.7	344.2	344.2	344.2	350.3	354.8	356.3
57.5°	322.8	315.2	309.1	309.1	303.0	301.5	304.6	306.1	310.7	313.7	316.8
60°	278.7	275.6	266.5	261.9	252.8	251.3	251.3	257.4	265.0	275.6	278.7
62.5°	231.5	226.9	225.4	225.4	225.4	225.4	225.4	225.4	225.4	226.9	226.9
65°	205.6	207.1	205.6	204.1	205.6	205.6	204.1	204.1	204.1	205.6	207.1
67.5°	184.3	182.7	184.3	182.7	181.2	181.2	179.7	181.2	182.7	184.3	184.3
70°	159.9	159.9	158.4	159.9	158.4	156.9	155.3	155.3	158.4	159.9	159.9
72.5°	137.1	137.1	135.5	135.5	132.5	132.5	134.0	132.5	132.5	137.1	137.1
75°	114.2	112.7	111.2	111.2	109.6	109.6	109.6	108.1	111.2	111.2	112.7
77.5°	89.8	89.8	89.8	88.3	88.3	86.8	86.8	88.3	88.3	88.3	89.8
80°	68.5	68.5	68.5	67.0	65.5	65.5	65.5	65.5	65.5	67.0	65.5
82.5°	47.2	47.2	47.2	47.2	47.2	45.7	45.7	45.7	47.2	47.2	45.7
85°	28.9	27.4	28.9	28.9	27.4	28.9	27.4	27.4	25.9	25.9	27.4
87.5°	12.2	10.7	9.1	9.1	10.7	9.1	9.1	9.1	10.7	9.1	9.1
90°	26.3	26.5	27.0	27.5	27.9	28.4	27.9	27.5	27.0	26.5	26.3
92.5°	27.4	27.5	27.7	28.0	28.2	28.4	28.2	28.0	27.7	27.5	27.4
95°	46.3	46.2	46.0	45.7	45.5	45.3	45.5	45.7	46.0	46.2	46.3
97.5°	56.9	57.0	57.2	57.5	57.7	57.9	57.7	57.5	57.2	57.0	56.9
100°	68.5	68.7	69.2	69.7	70.1	70.6	70.1	69.7	69.2	68.7	68.5
102.5°	73.7	74.1	74.8	75.5	76.2	76.9	76.2	75.5	74.8	74.1	73.7
105°	75.8	76.3	77.2	78.1	79.1	80.0	79.1	78.1	77.2	76.3	75.8
107.5°	77.9	78.4	79.3	80.3	81.2	82.2	81.2	80.3	79.3	78.4	77.9
110°	79.0	79.5	80.4	81.3	82.3	83.2	82.3	81.3	80.4	79.5	79.0

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.1	81.5	82.2	82.9	83.6	84.3	83.6	82.9	82.2	81.5	81.1
115°	162.2	153.8	136.9	120.1	103.2	86.4	103.2	120.1	136.9	153.8	162.2
117.5°	556.1	525.4	464.1	402.8	341.5	280.2	341.5	402.8	464.1	525.4	556.1
120°	784.7	768.9	737.3	705.7	674.1	642.5	674.1	705.7	737.3	768.9	784.7
122.5°	840.5	840.6	840.9	841.1	841.4	841.6	841.4	841.1	840.9	840.6	840.5
125°	897.4	897.8	898.5	899.2	899.9	900.6	899.9	899.2	898.5	897.8	897.4
127.5°	952.2	952.3	952.5	952.8	953.0	953.2	953.0	952.8	952.5	952.3	952.2
130°	1002.7	1002.6	1002.4	1002.1	1001.9	1001.7	1001.9	1002.1	1002.4	1002.6	1002.7
132.5°	1050.1	1050.0	1049.8	1049.5	1049.3	1049.1	1049.3	1049.5	1049.8	1050.0	1050.1
135°	1096.5	1096.3	1095.8	1095.3	1094.9	1094.4	1094.9	1095.3	1095.8	1096.3	1096.5
137.5°	1139.7	1139.3	1138.6	1137.9	1137.2	1136.5	1137.2	1137.9	1138.6	1139.3	1139.7
140°	1180.7	1180.1	1179.0	1177.8	1176.7	1175.5	1176.7	1177.8	1179.0	1180.1	1180.7
142.5°	1218.7	1218.1	1216.9	1215.8	1214.6	1213.4	1214.6	1215.8	1216.9	1218.1	1218.7
145°	1253.4	1252.8	1251.6	1250.5	1249.3	1248.1	1249.3	1250.5	1251.6	1252.8	1253.4
147.5°	1284.0	1283.5	1282.6	1281.6	1280.7	1279.7	1280.7	1281.6	1282.6	1283.5	1284.0
150°	1313.5	1312.9	1311.7	1310.6	1309.4	1308.2	1309.4	1310.6	1311.7	1312.9	1313.5
152.5°	1339.8	1339.0	1337.3	1335.7	1334.0	1332.4	1334.0	1335.7	1337.3	1339.0	1339.8
155°	1363.0	1362.1	1360.2	1358.3	1356.4	1354.5	1356.4	1358.3	1360.2	1362.1	1363.0
157.5°	1384.0	1383.1	1381.2	1379.3	1377.5	1375.6	1377.5	1379.3	1381.2	1383.1	1384.0
160°	1400.9	1400.1	1398.4	1396.8	1395.1	1393.5	1395.1	1396.8	1398.4	1400.1	1400.9
162.5°	1417.7	1416.6	1414.5	1412.4	1410.3	1408.2	1410.3	1412.4	1414.5	1416.6	1417.7
165°	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1424.6	1426.3	1427.9	1429.6	1430.4
167.5°	1442.0	1440.9	1438.8	1436.7	1434.6	1432.5	1434.6	1436.7	1438.8	1440.9	1442.0
170°	1450.4	1449.3	1447.2	1445.1	1443.0	1440.9	1443.0	1445.1	1447.2	1449.3	1450.4
172.5°	1456.7	1455.6	1453.5	1451.4	1449.3	1447.2	1449.3	1451.4	1453.5	1455.6	1456.7
175°	1460.9	1459.7	1457.4	1455.1	1452.7	1450.4	1452.7	1455.1	1457.4	1459.7	1460.9
177.5°	1462.0	1460.9	1458.8	1456.7	1454.6	1452.5	1454.6	1456.7	1458.8	1460.9	1462.0
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4	2191.4
2.5°	2087.8	2095.5	2092.4	2075.7	2092.4	2097.0	2106.1	2115.3	2121.3	2130.5	2138.1
5°	1956.9	1972.1	1981.2	1972.1	2002.6	2007.1	2028.4	2040.6	2058.9	2074.1	2086.3
7.5°	1833.5	1845.7	1864.0	1867.0	1885.3	1906.6	1937.1	1967.5	1996.5	2011.7	2025.4
10°	1701.0	1722.4	1749.8	1743.7	1771.1	1804.6	1836.6	1885.3	1909.7	1937.1	1961.4
12.5°	1568.5	1582.3	1618.8	1631.0	1670.6	1696.5	1740.6	1771.1	1832.0	1864.0	1885.3
15°	1337.1	1393.4	1439.1	1493.9	1545.7	1594.4	1634.0	1688.9	1742.2	1766.5	1801.5
17.5°	1232.0	1257.9	1285.3	1312.7	1379.7	1466.5	1536.6	1596.0	1641.6	1673.6	1714.7
20°	1122.3	1148.2	1178.7	1204.6	1245.7	1308.1	1394.9	1497.0	1551.8	1585.3	1624.9
22.5°	1044.7	1069.0	1088.8	1111.7	1143.7	1189.4	1254.8	1381.2	1454.3	1495.4	1530.5
25°	960.9	991.4	1012.7	1029.5	1055.3	1105.6	1158.9	1230.5	1361.4	1393.4	1442.1
27.5°	903.1	912.2	936.6	962.4	988.3	1015.7	1070.6	1131.5	1219.8	1289.9	1349.3
30°	834.5	857.4	880.2	890.9	913.7	953.3	986.8	1052.3	1120.8	1175.6	1247.2
32.5°	782.7	796.5	811.7	837.6	858.9	886.3	919.8	974.6	1032.5	1067.5	1122.3
35°	724.9	734.0	766.0	776.7	798.0	825.4	858.9	901.5	964.0	991.4	1031.0
37.5°	670.1	691.4	700.5	724.9	744.7	772.1	796.5	845.2	886.3	918.3	954.8
40°	627.4	636.6	653.3	674.6	691.4	712.7	743.2	778.2	822.3	848.2	880.2
42.5°	575.6	583.3	604.6	616.8	644.2	664.0	682.2	724.9	764.5	784.3	816.3
45°	519.3	537.6	551.3	575.6	590.9	615.2	638.1	668.5	705.1	727.9	746.2
47.5°	470.6	488.8	502.5	525.4	549.8	560.4	584.8	616.8	650.3	668.5	694.4
50°	431.0	437.1	462.9	473.6	499.5	520.8	537.6	565.0	601.5	612.2	633.5
52.5°	392.9	397.5	414.2	427.9	450.8	469.0	490.4	516.2	546.7	563.5	580.2
55°	359.4	362.4	370.1	385.3	400.5	423.4	443.2	467.5	493.4	511.7	526.9
57.5°	321.3	327.4	333.5	342.6	357.9	379.2	400.5	423.4	444.7	456.9	476.7
60°	277.2	286.3	297.0	307.6	318.3	333.5	357.9	379.2	399.0	409.6	424.9
62.5°	230.0	248.2	257.4	269.5	278.7	292.4	310.7	335.0	348.7	362.4	374.6
65°	207.1	208.6	210.2	222.3	239.1	252.8	269.5	287.8	309.1	318.3	327.4
67.5°	184.3	185.8	188.8	190.4	196.4	211.7	230.0	249.7	266.5	272.6	281.7
70°	161.4	161.4	167.5	169.0	170.6	172.1	187.3	207.1	222.3	230.0	240.6
72.5°	137.1	138.6	141.6	143.1	146.2	149.2	153.8	164.5	182.7	190.4	202.5
75°	112.7	114.2	115.7	117.3	121.8	123.4	127.9	134.0	141.6	150.8	158.4
77.5°	89.8	89.8	91.4	94.4	97.5	99.0	103.6	106.6	109.6	114.2	120.3
80°	67.0	68.5	68.5	71.6	71.6	73.1	74.6	79.2	82.2	85.3	88.3
82.5°	45.7	48.7	48.7	48.7	50.3	51.8	53.3	53.3	56.3	57.9	62.4
85°	27.4	28.9	28.9	28.9	27.4	30.5	30.5	32.0	32.0	32.0	33.5
87.5°	10.7	9.1	10.7	10.7	10.7	12.2	10.7	10.7	12.2	13.7	13.7
90°	25.7	24.6	23.4	22.3	21.1	19.2	17.3	15.4	13.5	12.6	11.3
92.5°	27.2	26.7	26.2	25.8	25.3	24.6	23.9	23.2	22.5	22.1	22.6
95°	45.7	44.6	43.4	42.3	41.1	39.5	37.8	36.2	34.5	33.7	37.6
97.5°	56.5	55.8	55.1	54.4	53.7	50.0	46.2	42.5	38.8	36.9	46.5
100°	67.6	65.7	63.8	61.9	60.0	56.0	52.0	48.1	44.1	42.1	58.1
102.5°	72.4	69.8	67.3	64.7	62.1	104.7	147.3	189.9	232.5	253.8	254.0
105°	74.5	72.0	69.4	66.9	64.3	128.2	192.1	256.0	319.9	351.8	348.3
107.5°	76.6	74.1	71.5	69.0	66.4	145.3	224.1	303.0	381.9	421.3	418.4
110°	90.7	114.1	137.5	160.9	184.3	251.9	319.6	387.2	454.9	488.7	486.2

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	131.5	232.4	333.3	434.2	535.1	539.1	543.1	547.0	551.0	553.0	550.9
115°	216.4	324.8	433.1	541.5	649.9	644.0	638.2	632.3	626.4	623.5	621.5
117.5°	572.8	606.3	639.8	673.3	706.8	702.8	698.8	694.9	690.9	688.9	686.6
120°	783.3	780.5	777.7	774.9	772.1	767.9	763.7	759.4	755.2	753.1	751.3
122.5°	839.8	838.4	837.0	835.6	834.2	829.5	824.8	820.1	815.4	813.1	811.2
125°	896.6	894.9	893.3	891.6	890.0	885.6	881.1	876.7	872.2	870.0	868.5
127.5°	951.0	948.7	946.3	944.0	941.6	938.1	934.6	931.1	927.6	925.8	924.2
130°	1001.4	998.8	996.3	993.7	991.1	988.5	986.0	983.4	980.9	979.6	977.7
132.5°	1049.0	1046.9	1044.8	1042.7	1040.6	1038.0	1035.5	1032.9	1030.4	1029.1	1027.6
135°	1095.3	1093.0	1090.6	1088.3	1085.9	1083.8	1081.7	1079.6	1077.5	1076.5	1074.6
137.5°	1138.5	1136.2	1133.8	1131.5	1129.1	1126.8	1124.4	1122.1	1119.8	1118.6	1117.2
140°	1179.7	1177.6	1175.5	1173.4	1171.3	1168.7	1166.1	1163.6	1161.0	1159.7	1158.8
142.5°	1217.8	1215.9	1214.0	1212.1	1210.2	1207.2	1204.1	1201.1	1198.0	1196.5	1195.7
145°	1252.6	1250.9	1249.3	1247.6	1246.0	1242.0	1238.0	1234.1	1230.1	1228.1	1228.2
147.5°	1283.4	1282.2	1281.1	1279.9	1278.7	1274.7	1270.7	1266.8	1262.8	1260.8	1261.1
150°	1312.8	1311.4	1309.9	1308.5	1307.1	1303.4	1299.6	1295.9	1292.2	1290.3	1291.1
152.5°	1339.1	1337.7	1336.3	1334.9	1333.5	1330.0	1326.5	1323.0	1319.5	1317.7	1318.6
155°	1362.3	1360.9	1359.4	1358.0	1356.6	1353.8	1351.0	1348.2	1345.4	1344.0	1345.1
157.5°	1383.2	1381.5	1379.9	1378.2	1376.6	1374.5	1372.4	1370.3	1368.2	1367.2	1368.1
160°	1400.2	1398.8	1397.4	1396.0	1394.6	1393.2	1391.8	1390.3	1388.9	1388.2	1388.9
162.5°	1416.9	1415.3	1413.6	1412.0	1410.4	1409.2	1408.0	1406.9	1405.7	1405.1	1405.8
165°	1429.6	1427.9	1426.3	1424.6	1423.0	1422.3	1421.6	1420.9	1420.2	1419.8	1420.5
167.5°	1441.2	1439.5	1437.9	1436.2	1434.6	1433.9	1433.2	1432.5	1431.8	1431.4	1432.1
170°	1449.6	1447.9	1446.3	1444.6	1443.0	1442.5	1442.1	1441.6	1441.1	1440.9	1441.6
172.5°	1455.9	1454.2	1452.6	1450.9	1449.3	1448.8	1448.4	1447.9	1447.4	1447.2	1447.9
175°	1460.1	1458.4	1456.8	1455.1	1453.5	1453.0	1452.6	1452.1	1451.6	1451.4	1452.2
177.5°	1461.2	1459.5	1457.9	1456.2	1454.6	1454.4	1454.1	1453.9	1453.6	1453.5	1454.3
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2191.4	2191.4	2191.4	2191.4
2.5°	2151.8	2147.2	2174.6	2205.1
5°	2107.6	2115.3	2150.3	2192.9
7.5°	2062.0	2078.7	2119.8	2176.2
10°	1998.0	2028.4	2090.9	2148.8
12.5°	1935.6	1976.7	2036.1	2104.6
15°	1865.5	1911.2	1984.3	2066.5
17.5°	1787.8	1839.6	1924.9	2014.7
20°	1705.6	1774.1	1864.0	1961.4
22.5°	1614.2	1696.5	1789.4	1897.5
25°	1525.9	1615.8	1708.6	1833.5
27.5°	1439.1	1527.4	1631.0	1757.4
30°	1352.3	1433.0	1544.2	1679.7
32.5°	1259.4	1343.2	1460.4	1599.0
35°	1174.1	1257.9	1367.5	1504.6
37.5°	1082.8	1172.6	1277.7	1419.3
40°	976.2	1081.2	1183.3	1318.8
42.5°	887.8	999.0	1098.0	1225.9
45°	817.8	922.9	1005.1	1130.0
47.5°	752.3	837.6	921.3	1037.1
50°	689.9	755.3	842.1	945.7
52.5°	625.9	682.2	756.9	854.3
55°	568.0	621.3	688.3	763.0
57.5°	514.7	552.8	619.8	686.8
60°	455.3	494.9	546.7	603.1
62.5°	405.1	435.5	484.3	531.5
65°	351.8	380.7	417.3	461.4
67.5°	303.0	328.9	357.9	392.9
70°	258.9	278.7	300.0	330.5
72.5°	211.7	233.0	252.8	277.2
75°	173.6	182.7	199.5	216.2
77.5°	134.0	146.2	155.3	169.0
80°	95.9	106.6	109.6	120.3
82.5°	64.0	70.1	76.1	79.2
85°	36.5	39.6	45.7	47.2
87.5°	13.7	15.2	18.3	21.3
90°	8.8	6.2	3.7	1.1
92.5°	23.5	24.4	25.4	26.3
95°	45.3	53.0	60.8	68.5
97.5°	65.7	84.8	104.0	123.2
100°	90.2	122.3	154.3	186.4
102.5°	254.5	255.0	255.4	255.9
105°	341.3	334.2	327.2	320.2
107.5°	412.5	406.7	400.8	395.0
110°	481.3	476.4	471.5	466.6

TEST NUMBER: P999275

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	546.7	542.4	538.2	534.0
115°	617.5	613.6	609.6	605.6
117.5°	681.9	677.2	672.5	667.8
120°	747.8	744.3	740.8	737.3
122.5°	807.5	803.8	800.0	796.3
125°	865.4	862.4	859.3	856.3
127.5°	920.9	917.6	914.4	911.1
130°	974.0	970.2	966.5	962.7
132.5°	1024.5	1021.5	1018.4	1015.4
135°	1070.9	1067.1	1063.4	1059.6
137.5°	1114.4	1111.6	1108.8	1106.0
140°	1156.9	1155.0	1153.1	1151.2
142.5°	1194.1	1192.4	1190.8	1189.2
145°	1228.5	1228.7	1229.0	1229.2
147.5°	1261.8	1262.5	1263.2	1263.9
150°	1292.8	1294.4	1296.1	1297.7
152.5°	1320.5	1322.4	1324.2	1326.1
155°	1347.2	1349.3	1351.4	1353.5
157.5°	1370.0	1371.9	1373.7	1375.6
160°	1390.3	1391.8	1393.2	1394.6
162.5°	1407.2	1408.6	1410.0	1411.4
165°	1421.9	1423.4	1424.8	1426.2
167.5°	1433.5	1434.9	1436.3	1437.7
170°	1443.0	1444.4	1445.8	1447.2
172.5°	1449.3	1450.7	1452.1	1453.5
175°	1453.9	1455.5	1457.2	1458.8
177.5°	1456.0	1457.6	1459.3	1460.9
180°	1455.6	1455.6	1455.6	1455.6

(END OF REPORT)