

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: P1031016

Luminaire Tested: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031016
REPORT IS A COMBINATION OF REPORTS P993728 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K
Description: Define 3 Regressed Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

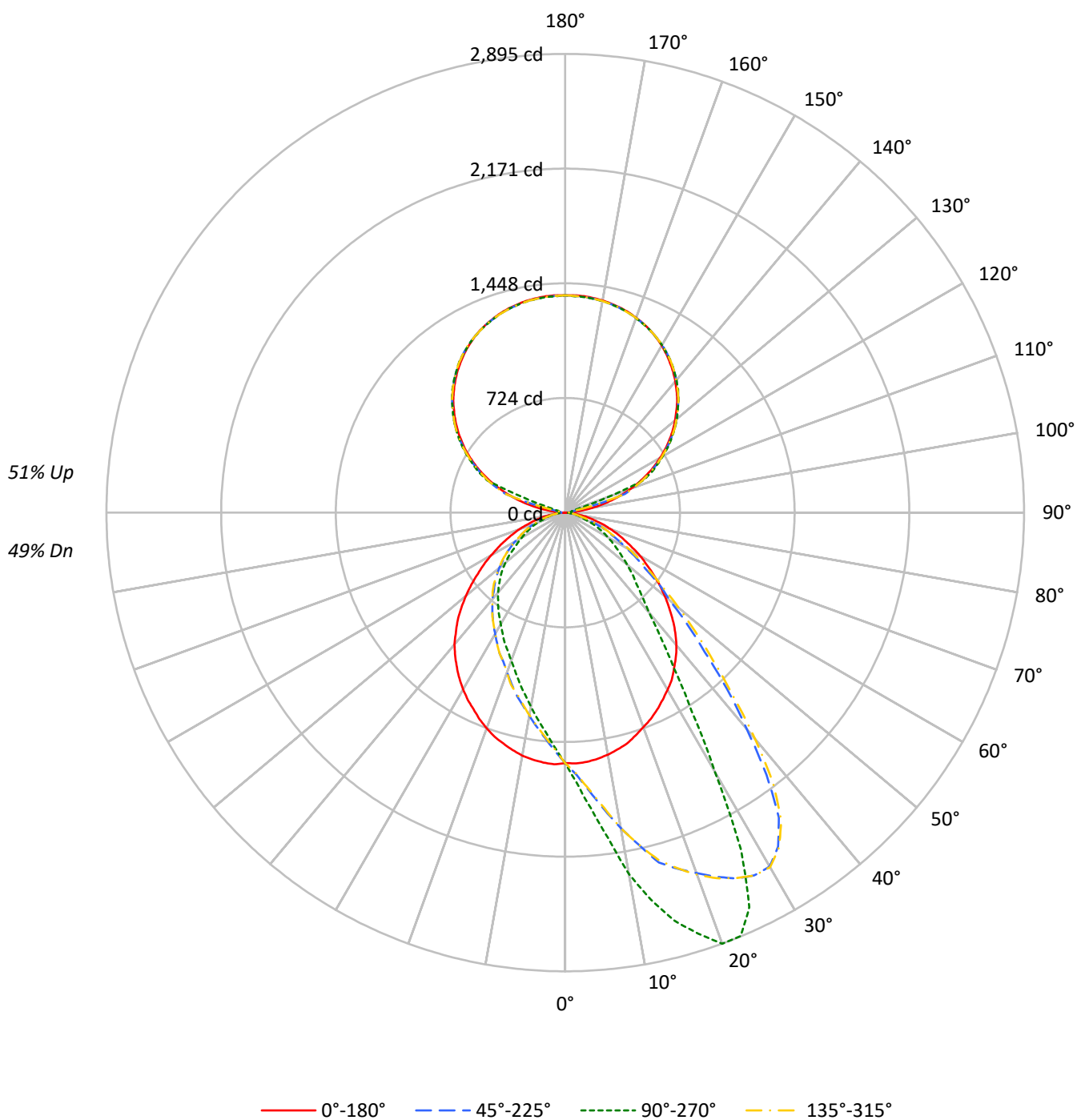
Lumens per Lamp: N/A
Luminaire Lumens: 8118.0 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 78.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55
1	98	94	90	87	90	87	84	81	73	71	69	61	59	58	49	48	47
2	90	83	77	72	82	76	71	67	65	61	58	54	51	49	44	42	41
3	82	73	66	61	76	68	62	57	58	53	49	48	45	42	40	37	35
4	75	65	58	52	69	60	54	49	52	47	43	43	40	37	36	33	31
5	69	58	50	45	64	54	47	42	46	41	37	39	35	32	32	30	27
6	64	52	45	39	59	49	42	37	42	37	33	36	31	28	30	27	24
7	59	47	40	34	55	44	37	33	38	33	29	32	28	25	27	24	22
8	55	43	36	31	51	40	34	29	35	30	26	30	26	23	25	22	20
9	51	40	32	27	47	37	30	26	32	27	23	27	23	20	23	20	18
10	48	36	29	25	44	34	28	23	30	24	21	25	21	19	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17010	17010	17010	17010
5°	17023	19591	17067	14534
10°	16873	23649	16947	12695
15°	16699	26840	16699	11194
20°	16356	28951	16448	9930
25°	16106	27505	16074	9060
30°	15814	19058	15781	8210
35°	15464	12236	15394	7570
40°	15027	8640	14952	6932
45°	14266	6914	14247	6311
50°	13333	5784	13289	5585
55°	12281	4767	12183	4734
60°	11252	3940	11138	4026
65°	10042	3153	10107	3412
70°	8926	2191	9164	2759
75°	7566	1625	7874	2122
80°	6021	1077	6536	1591
85°	4284	510	4678	989

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 22709 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.2	1.9
10°-20°	485.8	6.0
20°-30°	765.1	9.4
30°-40°	795.6	9.8
40°-50°	680.7	8.4
50°-60°	518.9	6.4
60°-70°	332.5	4.1
70°-80°	159.3	2.0
80°-90°	44.6	0.5
90°-100°	48.4	0.6
100°-110°	233.8	2.9
110°-120°	572.9	7.1
120°-130°	727.3	9.0
130°-140°	776.9	9.6
140°-150°	726.5	8.9
150°-160°	586.0	7.2
160°-170°	378.2	4.7
170°-180°	130.3	1.6
0°-30°	1406.1	17.3
0°-40°	2201.7	27.1
0°-60°	3401.4	41.9
0°-90°	3937.7	48.5
90°-120°	855.0	10.5
90°-150°	3085.8	38.0
90°-180°	4180.0	51.5
0°-180°	8118.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1580	1580	1580	1580	1580	
5°	1579	1877	1583	1392	1579	150
15°	1509	2667	1509	1112	1509	424
25°	1372	2748	1369	905	1372	632
35°	1197	1192	1192	737	1197	749
45°	961	636	959	580	961	740
55°	678	399	672	396	678	607
65°	415	230	418	249	415	415
75°	199	97	207	127	199	215
85°	45	23	49	45	45	50
90°	1	31	1	31	1	6
95°	62	39	62	39	62	74
105°	304	45	304	45	304	322
115°	570	599	570	599	570	562
125°	803	819	803	819	803	717
135°	999	1010	999	1010	999	769
145°	1153	1164	1153	1164	1153	722
155°	1270	1268	1270	1268	1270	585
165°	1340	1337	1340	1337	1340	379
175°	1371	1366	1371	1366	1371	130
180°	1371	1371	1371	1371	1371	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3
2.5°	1584.3	1595.2	1603.3	1608.7	1622.2	1630.3	1637.1	1649.3	1649.3	1652.0	1657.4
5°	1578.9	1601.9	1618.2	1639.8	1668.2	1681.8	1700.7	1716.9	1739.9	1752.1	1764.3
7.5°	1566.8	1599.2	1633.1	1665.5	1707.5	1734.5	1753.5	1795.4	1825.2	1861.7	1890.1
10°	1550.5	1595.2	1638.5	1688.5	1745.4	1785.9	1814.4	1869.8	1926.7	1978.1	2021.4
12.5°	1530.2	1584.3	1646.6	1707.5	1787.3	1827.9	1873.9	1942.9	2024.1	2089.0	2147.2
15°	1508.6	1570.8	1641.2	1715.6	1815.7	1872.5	1938.8	2022.7	2113.4	2206.7	2286.5
17.5°	1474.8	1553.2	1631.7	1739.9	1857.6	1891.5	1948.3	2063.3	2175.6	2259.5	2356.9
20°	1440.9	1528.9	1627.6	1725.1	1852.2	1930.7	1983.5	2105.2	2225.7	2327.1	2420.5
22.5°	1409.8	1501.8	1604.6	1727.8	1846.8	1925.3	1991.6	2118.8	2258.1	2371.8	2486.8
25°	1371.9	1472.0	1585.7	1702.1	1846.8	1906.4	1979.4	2126.9	2274.4	2405.6	2547.7
27.5°	1331.3	1432.8	1545.1	1664.2	1796.8	1884.7	1956.4	2114.7	2294.7	2435.4	2581.5
30°	1290.7	1394.9	1503.2	1610.1	1758.9	1842.8	1925.3	2099.8	2305.5	2466.5	2578.8
32.5°	1251.5	1339.5	1446.3	1550.5	1698.0	1790.0	1883.4	2084.9	2309.5	2444.8	2499.0
35°	1197.4	1289.4	1376.0	1486.9	1635.8	1726.4	1836.0	2083.6	2292.0	2375.8	2348.8
37.5°	1147.3	1224.5	1307.0	1405.8	1558.6	1676.3	1790.0	2048.4	2233.8	2239.2	2086.3
40°	1091.9	1155.4	1224.5	1328.6	1493.7	1610.1	1733.2	1994.3	2128.2	2048.4	1779.2
42.5°	1028.3	1085.1	1139.2	1240.7	1420.6	1550.5	1683.1	1926.7	1975.4	1791.4	1511.3
45°	960.6	1006.6	1056.7	1163.6	1343.5	1472.0	1604.6	1822.5	1772.4	1512.6	1246.1
47.5°	890.3	929.5	978.2	1075.6	1261.0	1392.2	1518.0	1673.6	1546.5	1267.7	1044.5
50°	819.9	851.0	898.4	998.5	1177.1	1296.2	1412.5	1514.0	1335.4	1087.8	863.2
52.5°	750.9	775.3	824.0	909.2	1082.4	1196.0	1279.9	1319.2	1137.9	898.4	749.6
55°	677.8	704.9	737.4	824.0	995.8	1079.7	1135.2	1133.8	947.1	761.7	619.7
57.5°	607.5	631.8	660.3	746.8	886.2	943.0	990.4	967.4	790.1	623.7	531.7
60°	545.3	558.8	589.9	663.0	768.5	817.2	844.3	805.0	645.4	526.3	439.7
62.5°	477.6	491.1	516.8	585.8	650.8	676.5	699.5	649.4	533.1	428.9	376.1
65°	415.4	433.0	449.2	504.7	539.8	571.0	568.3	526.3	416.7	349.1	305.8
67.5°	361.2	368.0	381.5	415.4	431.6	454.6	456.0	408.6	335.5	284.1	258.4
70°	303.1	309.8	319.3	335.5	346.4	351.8	349.1	307.1	253.0	221.9	198.9
72.5°	253.0	251.7	258.4	258.4	269.2	267.9	259.8	227.3	192.1	166.4	152.9
75°	198.9	200.2	201.6	198.9	194.8	189.4	182.7	158.3	135.3	123.1	110.9
77.5°	155.6	152.9	154.2	144.8	139.4	133.9	124.5	112.3	93.4	90.6	85.2
80°	110.9	109.6	108.2	104.2	92.0	86.6	79.8	73.1	69.0	66.3	64.9
82.5°	74.4	74.4	71.7	63.6	56.8	52.8	51.4	48.7	44.6	44.6	43.3
85°	44.6	43.3	40.6	32.5	28.4	28.4	28.4	28.4	25.7	25.7	24.4
87.5°	17.6	16.2	12.2	12.2	10.8	10.8	10.8	9.5	9.5	8.1	8.1
90°	1.0	3.3	5.5	7.8	10.1	11.2	12.7	15.6	18.5	21.5	24.4
92.5°	23.4	22.0	20.7	19.3	18.0	17.3	18.3	20.4	22.4	24.5	26.5
95°	62.1	52.8	43.6	34.3	25.0	20.4	21.6	24.1	26.6	29.1	31.6
97.5°	113.1	106.8	100.4	94.1	87.8	84.6	78.8	67.3	55.7	44.2	32.6
100°	172.2	176.7	181.2	185.7	190.2	192.5	174.8	139.5	104.2	68.9	33.6
102.5°	239.4	242.3	245.3	248.2	251.1	252.6	232.9	193.5	154.2	114.8	75.4
105°	303.6	306.1	308.6	311.1	313.6	314.8	304.6	284.2	263.9	243.5	223.1
107.5°	371.8	373.8	375.9	377.9	380.0	381.0	382.7	386.1	389.5	392.9	396.3
110°	440.1	441.9	443.7	445.5	447.3	448.2	449.4	451.9	454.4	456.9	459.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	505.3	506.9	508.5	510.0	511.6	512.4	513.6	516.1	518.6	521.1	523.6
115°	569.5	570.9	572.2	573.6	574.9	575.6	576.6	578.7	580.7	582.8	584.8
117.5°	632.6	634.2	635.8	637.4	639.0	639.8	640.4	641.5	642.6	643.8	644.9
120°	690.7	692.7	694.8	696.8	698.9	699.9	700.2	700.9	701.6	702.2	702.9
122.5°	749.8	751.4	753.0	754.5	756.1	756.9	757.4	758.3	759.2	760.1	761.0
125°	802.8	804.6	806.4	808.2	810.0	810.9	811.4	812.3	813.2	814.1	815.0
127.5°	855.7	857.5	859.3	861.2	863.0	863.9	864.5	865.6	866.7	867.9	869.0
130°	904.6	906.4	908.2	910.1	911.9	912.8	913.3	914.2	915.1	916.0	916.9
132.5°	951.5	953.3	955.1	956.9	958.7	959.6	959.9	960.6	961.3	962.0	962.7
135°	999.4	1000.8	1002.1	1003.5	1004.8	1005.5	1006.0	1006.9	1007.8	1008.7	1009.6
137.5°	1040.1	1041.9	1043.7	1045.6	1047.4	1048.3	1048.5	1049.0	1049.4	1049.9	1050.3
140°	1080.9	1082.3	1083.6	1085.0	1086.3	1087.0	1087.3	1088.0	1088.7	1089.3	1090.0
142.5°	1118.6	1120.0	1121.3	1122.7	1124.0	1124.7	1125.0	1125.7	1126.4	1127.0	1127.7
145°	1153.2	1154.8	1156.4	1157.9	1159.5	1160.3	1160.5	1161.0	1161.5	1161.9	1162.4
147.5°	1186.8	1187.9	1189.1	1190.2	1191.3	1191.9	1192.1	1192.6	1193.1	1193.5	1194.0
150°	1217.4	1218.1	1218.7	1219.4	1220.1	1220.4	1220.6	1221.1	1221.6	1222.0	1222.5
152.5°	1244.9	1245.1	1245.3	1245.6	1245.8	1245.9	1246.0	1246.2	1246.5	1246.7	1246.9
155°	1270.4	1269.9	1269.5	1269.0	1268.5	1268.3	1268.4	1268.6	1268.9	1269.1	1269.3
157.5°	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7	1290.6	1290.4	1290.1	1289.9	1289.7
160°	1309.1	1308.9	1308.7	1308.4	1308.2	1308.1	1308.0	1307.7	1307.5	1307.2	1307.0
162.5°	1326.4	1325.7	1325.0	1324.3	1323.6	1323.3	1323.2	1323.0	1322.7	1322.5	1322.3
165°	1339.6	1338.9	1338.3	1337.6	1336.9	1336.6	1336.5	1336.3	1336.0	1335.8	1335.6
167.5°	1350.8	1349.9	1349.0	1348.1	1347.2	1346.8	1346.8	1346.8	1346.8	1346.8	1346.8
170°	1360.0	1359.1	1358.2	1357.3	1356.4	1355.9	1355.9	1355.9	1355.9	1355.9	1355.9
172.5°	1366.1	1365.0	1363.8	1362.7	1361.6	1361.0	1361.1	1361.3	1361.6	1361.8	1362.0
175°	1371.2	1370.1	1368.9	1367.8	1366.7	1366.1	1366.2	1366.4	1366.7	1366.9	1367.1
177.5°	1373.3	1372.2	1371.0	1369.9	1368.8	1368.2	1368.3	1368.5	1368.8	1369.0	1369.2
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3
2.5°	1668.2	1668.2	1680.4	1692.6	1685.8	1689.9	1704.8	1699.3	1710.2	1708.8	1712.9
5°	1794.1	1808.9	1821.1	1846.8	1850.9	1846.8	1872.5	1879.3	1891.5	1876.6	1883.4
7.5°	1936.1	1967.2	1997.0	2034.9	2047.1	2049.8	2063.3	2082.2	2098.5	2068.7	2083.6
10°	2074.1	2121.5	2182.4	2216.2	2246.0	2256.8	2267.6	2279.8	2298.7	2316.3	2302.8
12.5°	2223.0	2292.0	2350.1	2411.0	2447.5	2443.5	2474.6	2482.7	2497.6	2501.7	2507.1
15°	2344.7	2442.1	2478.7	2569.3	2577.4	2604.5	2639.7	2670.8	2674.9	2666.7	2666.7
17.5°	2461.1	2545.0	2609.9	2683.0	2697.9	2720.9	2765.5	2780.4	2785.8	2784.4	2784.4
20°	2555.8	2611.3	2720.9	2781.7	2806.1	2835.9	2867.0	2885.9	2890.0	2895.4	2887.3
22.5°	2618.0	2701.9	2791.2	2841.3	2861.6	2872.4	2892.7	2898.1	2891.3	2892.7	2894.0
25°	2666.7	2749.3	2803.4	2816.9	2815.6	2802.0	2787.1	2761.4	2758.7	2747.9	2726.3
27.5°	2680.3	2711.4	2704.6	2649.1	2593.7	2588.3	2499.0	2450.3	2394.8	2402.9	2371.8
30°	2607.2	2566.6	2470.6	2329.8	2271.7	2177.0	2076.8	1972.7	1932.1	1887.4	1969.9
32.5°	2428.6	2283.8	2113.4	1930.7	1833.3	1749.4	1642.5	1566.8	1523.5	1486.9	1557.3
35°	2159.4	1933.4	1707.5	1534.3	1454.5	1378.7	1278.6	1240.7	1186.6	1192.0	1198.7
37.5°	1813.0	1564.1	1393.6	1223.1	1170.3	1139.2	1066.2	1008.0	989.0	983.6	983.6
40°	1488.3	1284.0	1132.4	998.5	957.9	932.2	874.0	847.0	826.7	821.3	828.0
42.5°	1231.2	1056.7	939.0	849.7	821.3	788.8	764.4	730.6	726.6	717.1	729.3
45°	1033.7	882.1	794.2	729.3	704.9	692.7	665.7	645.4	637.3	635.9	645.4
47.5°	876.7	759.0	681.9	641.3	622.4	610.2	587.2	579.1	571.0	573.7	569.6
50°	736.0	648.1	598.0	561.5	549.3	537.1	522.3	514.1	510.1	510.1	508.7
52.5°	631.8	558.8	526.3	492.5	487.1	480.3	464.1	458.7	451.9	450.5	456.0
55°	541.2	491.1	458.7	438.4	433.0	419.4	412.7	405.9	401.8	399.1	400.5
57.5°	462.7	424.8	403.2	385.6	376.1	370.7	358.5	357.2	354.5	354.5	353.1
60°	397.8	370.7	345.0	334.2	327.4	320.7	319.3	311.2	307.1	309.8	308.5
62.5°	336.9	315.2	300.4	288.2	284.1	278.7	274.7	271.9	267.9	269.2	269.2
65°	281.4	263.8	253.0	242.2	240.8	235.4	234.1	231.4	231.4	230.0	232.7
67.5°	231.4	219.2	209.7	202.9	198.9	200.2	194.8	190.8	190.8	189.4	193.5
70°	184.0	177.2	167.8	159.7	154.2	154.2	147.5	146.1	146.1	146.1	144.8
72.5°	142.1	129.9	125.8	123.1	123.1	123.1	120.4	120.4	119.1	120.4	119.1
75°	105.5	104.2	101.5	100.1	100.1	98.8	97.4	97.4	97.4	97.4	97.4
77.5°	82.5	82.5	79.8	78.5	78.5	78.5	77.1	77.1	75.8	75.8	75.8
80°	60.9	60.9	58.2	58.2	58.2	56.8	56.8	56.8	58.2	56.8	56.8
82.5°	41.9	41.9	40.6	41.9	40.6	39.2	39.2	39.2	37.9	39.2	39.2
85°	24.4	24.4	23.0	21.6	23.0	23.0	21.6	23.0	21.6	23.0	21.6
87.5°	9.5	8.1	8.1	8.1	6.8	8.1	6.8	6.8	8.1	6.8	8.1
90°	25.3	26.2	27.1	28.0	28.5	28.7	29.2	29.7	30.1	30.6	30.1
92.5°	28.1	29.7	31.2	32.8	33.6	33.7	33.9	34.2	34.4	34.6	34.4
95°	33.2	34.8	36.3	37.9	38.7	38.7	38.7	38.7	38.7	38.7	38.7
97.5°	34.4	36.2	38.0	39.8	40.7	40.8	41.1	41.3	41.6	41.8	41.6
100°	35.4	37.2	39.1	40.9	41.8	41.9	42.1	42.4	42.6	42.8	42.6
102.5°	67.9	60.5	53.0	45.5	41.8	42.0	42.5	42.9	43.4	43.8	43.4
105°	183.0	143.0	102.9	62.8	42.8	43.0	43.5	43.9	44.4	44.8	44.4
107.5°	361.4	326.6	291.7	256.8	239.4	224.6	194.9	165.2	135.6	105.9	135.6
110°	451.9	444.5	437.0	429.5	425.8	409.6	377.3	344.9	312.6	280.2	312.6

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	525.6	527.7	529.7	531.8	532.8	532.6	532.1	531.7	531.2	530.8	531.2
115°	587.0	589.3	591.5	593.8	594.9	595.4	596.3	597.2	598.1	599.0	598.1
117.5°	646.7	648.5	650.3	652.1	653.0	653.1	653.3	653.6	653.8	654.0	653.8
120°	704.7	706.5	708.4	710.2	711.1	711.1	711.1	711.1	711.1	711.1	711.1
122.5°	762.1	763.3	764.4	765.5	766.1	766.2	766.4	766.7	766.9	767.1	766.9
125°	815.4	815.9	816.3	816.8	817.0	817.2	817.7	818.2	818.6	819.1	818.6
127.5°	869.7	870.3	871.0	871.7	872.0	871.8	871.3	870.9	870.4	870.0	870.4
130°	917.8	918.7	919.6	920.5	920.9	920.7	920.2	919.8	919.3	918.9	919.3
132.5°	963.6	964.5	965.4	966.3	966.8	966.5	965.8	965.1	964.4	963.7	964.4
135°	1010.3	1010.9	1011.6	1012.3	1012.6	1012.3	1011.6	1010.9	1010.3	1009.6	1010.3
137.5°	1051.4	1052.6	1053.7	1054.8	1055.4	1055.2	1054.7	1054.3	1053.8	1053.4	1053.8
140°	1090.9	1091.8	1092.7	1093.6	1094.1	1093.9	1093.4	1093.0	1092.5	1092.1	1092.5
142.5°	1128.4	1129.1	1129.8	1130.5	1130.8	1130.5	1129.8	1129.1	1128.4	1127.7	1128.4
145°	1162.8	1163.3	1163.7	1164.2	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4
147.5°	1194.4	1194.9	1195.3	1195.8	1196.0	1195.4	1194.3	1193.2	1192.0	1190.9	1192.0
150°	1222.9	1223.4	1223.8	1224.3	1224.5	1224.2	1223.5	1222.8	1222.2	1221.5	1222.2
152.5°	1247.8	1248.7	1249.6	1250.5	1251.0	1250.4	1249.3	1248.2	1247.0	1245.9	1247.0
155°	1270.4	1271.6	1272.7	1273.8	1274.4	1273.7	1272.4	1271.0	1269.7	1268.3	1269.7
157.5°	1291.1	1292.4	1293.8	1295.1	1295.8	1294.9	1293.1	1291.3	1289.5	1287.7	1289.5
160°	1308.4	1309.7	1311.1	1312.4	1313.1	1312.3	1310.7	1309.2	1307.6	1306.0	1307.6
162.5°	1323.9	1325.5	1327.0	1328.6	1329.4	1328.7	1327.4	1326.0	1324.7	1323.3	1324.7
165°	1337.4	1339.2	1341.0	1342.8	1343.7	1342.9	1341.3	1339.8	1338.2	1336.6	1338.2
167.5°	1348.6	1350.4	1352.2	1354.0	1354.9	1354.0	1352.2	1350.4	1348.6	1346.8	1348.6
170°	1357.7	1359.5	1361.4	1363.2	1364.1	1363.2	1361.4	1359.5	1357.7	1355.9	1357.7
172.5°	1363.8	1365.6	1367.5	1369.3	1370.2	1369.2	1367.1	1365.1	1363.0	1361.0	1363.0
175°	1368.7	1370.3	1371.9	1373.5	1374.3	1373.4	1371.6	1369.7	1367.9	1366.1	1367.9
177.5°	1371.0	1372.8	1374.6	1376.4	1377.3	1376.2	1373.9	1371.6	1369.4	1367.1	1369.4
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3
2.5°	1706.1	1698.0	1692.6	1688.5	1684.5	1696.6	1680.4	1662.8	1650.6	1642.5	1639.8
5°	1884.7	1867.1	1852.2	1840.1	1842.8	1842.8	1814.4	1783.2	1756.2	1741.3	1725.1
7.5°	2091.7	2072.8	2043.0	2036.2	2030.8	1997.0	1968.6	1911.8	1877.9	1844.1	1814.4
10°	2297.4	2273.0	2244.6	2235.1	2221.6	2179.7	2136.4	2063.3	2021.4	1959.1	1919.9
12.5°	2489.5	2459.7	2431.3	2424.5	2404.3	2367.7	2293.3	2217.5	2145.8	2079.5	2010.5
15°	2650.5	2642.4	2599.1	2572.0	2527.4	2477.3	2461.1	2358.3	2267.6	2198.6	2074.1
17.5°	2785.8	2747.9	2707.3	2689.7	2672.1	2614.0	2555.8	2450.3	2352.8	2251.4	2171.5
20°	2894.0	2852.1	2823.7	2798.0	2789.9	2723.6	2631.6	2538.2	2431.3	2317.7	2213.5
22.5°	2899.4	2894.0	2875.1	2860.2	2844.0	2800.7	2727.6	2611.3	2497.6	2373.1	2236.5
25°	2787.1	2779.0	2833.2	2819.6	2830.4	2814.2	2775.0	2677.6	2545.0	2398.8	2260.8
27.5°	2448.9	2531.4	2616.7	2646.4	2666.7	2724.9	2743.9	2689.7	2582.8	2427.3	2273.0
30°	1988.9	2098.5	2236.5	2310.9	2367.7	2476.0	2616.7	2634.3	2584.2	2459.7	2270.3
32.5°	1561.3	1661.5	1772.4	1860.4	1936.1	2158.0	2347.4	2484.1	2508.4	2443.5	2277.1
35°	1258.3	1301.6	1407.1	1491.0	1593.8	1783.2	2006.5	2227.0	2375.8	2384.0	2256.8
37.5°	1037.7	1060.7	1152.7	1200.1	1261.0	1427.4	1635.8	1923.9	2155.3	2264.9	2200.0
40°	859.1	911.9	964.7	991.7	1035.0	1150.0	1350.3	1576.2	1863.1	2066.0	2112.0
42.5°	745.5	768.5	802.3	840.2	867.3	967.4	1101.3	1308.3	1566.8	1849.5	1976.7
45°	657.6	665.7	700.8	725.2	753.6	824.0	918.7	1091.9	1319.2	1597.9	1814.4
47.5°	584.5	600.7	619.7	634.5	653.5	707.6	788.8	914.6	1114.9	1363.8	1596.5
50°	519.5	529.0	553.4	560.1	573.7	611.5	673.8	769.8	934.9	1133.8	1374.6
52.5°	458.7	476.3	485.7	495.2	507.4	538.5	579.1	657.6	782.0	968.7	1173.0
55°	411.3	416.7	430.2	438.4	447.8	469.5	504.7	562.8	660.3	809.1	1002.6
57.5°	365.3	365.3	378.8	385.6	395.1	411.3	442.4	487.1	557.4	668.4	845.6
60°	316.6	318.0	328.8	336.9	339.6	355.8	381.5	416.7	470.8	552.0	696.8
62.5°	273.3	280.1	285.5	288.2	297.7	307.1	328.8	353.1	391.0	462.7	565.5
65°	236.8	238.1	242.2	244.9	248.9	259.8	276.0	292.2	324.7	377.5	461.4
67.5°	194.8	200.2	205.7	205.7	209.7	215.1	231.4	244.9	269.2	300.4	357.2
70°	146.1	148.8	156.9	161.0	166.4	175.9	184.0	192.1	211.1	234.1	277.4
72.5°	121.8	121.8	124.5	125.8	125.8	132.6	144.8	152.9	162.4	178.6	208.4
75°	97.4	97.4	101.5	100.1	102.8	105.5	106.9	112.3	117.7	129.9	147.5
77.5°	77.1	78.5	78.5	79.8	79.8	81.2	82.5	85.2	87.9	94.7	102.8
80°	56.8	58.2	58.2	59.5	59.5	60.9	62.2	63.6	66.3	69.0	73.1
82.5°	39.2	40.6	40.6	41.9	40.6	41.9	43.3	43.3	44.6	47.4	48.7
85°	23.0	23.0	24.4	23.0	23.0	23.0	24.4	24.4	25.7	29.8	29.8
87.5°	6.8	8.1	6.8	8.1	8.1	8.1	8.1	9.5	9.5	10.8	12.2
90°	29.7	29.2	28.7	28.5	28.0	27.1	26.2	25.3	24.4	21.5	18.5
92.5°	34.2	33.9	33.7	33.6	32.8	31.2	29.7	28.1	26.5	24.5	22.4
95°	38.7	38.7	38.7	38.7	37.9	36.3	34.8	33.2	31.6	29.1	26.6
97.5°	41.3	41.1	40.8	40.7	39.8	38.0	36.2	34.4	32.6	44.2	55.7
100°	42.4	42.1	41.9	41.8	40.9	39.1	37.2	35.4	33.6	68.9	104.2
102.5°	42.9	42.5	42.0	41.8	45.5	53.0	60.5	67.9	75.4	114.8	154.2
105°	43.9	43.5	43.0	42.8	62.8	102.9	143.0	183.0	223.1	243.5	263.9
107.5°	165.2	194.9	224.6	239.4	256.8	291.7	326.6	361.4	396.3	392.9	389.5
110°	344.9	377.3	409.6	425.8	429.5	437.0	444.5	451.9	459.4	456.9	454.4

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	531.7	532.1	532.6	532.8	531.8	529.7	527.7	525.6	523.6	521.1	518.6
115°	597.2	596.3	595.4	594.9	593.8	591.5	589.3	587.0	584.8	582.8	580.7
117.5°	653.6	653.3	653.1	653.0	652.1	650.3	648.5	646.7	644.9	643.8	642.6
120°	711.1	711.1	711.1	711.1	710.2	708.4	706.5	704.7	702.9	702.2	701.6
122.5°	766.7	766.4	766.2	766.1	765.5	764.4	763.3	762.1	761.0	760.1	759.2
125°	818.2	817.7	817.2	817.0	816.8	816.3	815.9	815.4	815.0	814.1	813.2
127.5°	870.9	871.3	871.8	872.0	871.7	871.0	870.3	869.7	869.0	867.9	866.7
130°	919.8	920.2	920.7	920.9	920.5	919.6	918.7	917.8	916.9	916.0	915.1
132.5°	965.1	965.8	966.5	966.8	966.3	965.4	964.5	963.6	962.7	962.0	961.3
135°	1010.9	1011.6	1012.3	1012.6	1012.3	1011.6	1010.9	1010.3	1009.6	1008.7	1007.8
137.5°	1054.3	1054.7	1055.2	1055.4	1054.8	1053.7	1052.6	1051.4	1050.3	1049.9	1049.4
140°	1093.0	1093.4	1093.9	1094.1	1093.6	1092.7	1091.8	1090.9	1090.0	1089.3	1088.7
142.5°	1129.1	1129.8	1130.5	1130.8	1130.5	1129.8	1129.1	1128.4	1127.7	1127.0	1126.4
145°	1164.4	1164.4	1164.4	1164.4	1164.2	1163.7	1163.3	1162.8	1162.4	1161.9	1161.5
147.5°	1193.2	1194.3	1195.4	1196.0	1195.8	1195.3	1194.9	1194.4	1194.0	1193.5	1193.1
150°	1222.8	1223.5	1224.2	1224.5	1224.3	1223.8	1223.4	1222.9	1222.5	1222.0	1221.6
152.5°	1248.2	1249.3	1250.4	1251.0	1250.5	1249.6	1248.7	1247.8	1246.9	1246.7	1246.5
155°	1271.0	1272.4	1273.7	1274.4	1273.8	1272.7	1271.6	1270.4	1269.3	1269.1	1268.9
157.5°	1291.3	1293.1	1294.9	1295.8	1295.1	1293.8	1292.4	1291.1	1289.7	1289.9	1290.1
160°	1309.2	1310.7	1312.3	1313.1	1312.4	1311.1	1309.7	1308.4	1307.0	1307.2	1307.5
162.5°	1326.0	1327.4	1328.7	1329.4	1328.6	1327.0	1325.5	1323.9	1322.3	1322.5	1322.7
165°	1339.8	1341.3	1342.9	1343.7	1342.8	1341.0	1339.2	1337.4	1335.6	1335.8	1336.0
167.5°	1350.4	1352.2	1354.0	1354.9	1354.0	1352.2	1350.4	1348.6	1346.8	1346.8	1346.8
170°	1359.5	1361.4	1363.2	1364.1	1363.2	1361.4	1359.5	1357.7	1355.9	1355.9	1355.9
172.5°	1365.1	1367.1	1369.2	1370.2	1369.3	1367.5	1365.6	1363.8	1362.0	1361.8	1361.6
175°	1369.7	1371.6	1373.4	1374.3	1373.5	1371.9	1370.3	1368.7	1367.1	1366.9	1366.7
177.5°	1371.6	1373.9	1376.2	1377.3	1376.4	1374.6	1372.8	1371.0	1369.2	1369.0	1368.8
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3
2.5°	1635.8	1629.0	1622.2	1622.2	1607.3	1593.8	1587.1	1589.8	1581.6	1570.8	1560.0
5°	1707.5	1680.4	1675.0	1660.1	1639.8	1611.4	1596.5	1583.0	1566.8	1545.1	1524.8
7.5°	1773.8	1738.6	1719.6	1704.8	1665.5	1626.3	1593.8	1572.2	1543.8	1511.3	1486.9
10°	1860.4	1795.4	1775.1	1741.3	1685.8	1630.3	1592.5	1557.3	1518.0	1480.2	1447.7
12.5°	1929.4	1854.9	1817.1	1783.2	1711.5	1641.2	1577.6	1534.3	1486.9	1445.0	1403.0
15°	2007.8	1923.9	1857.6	1817.1	1726.4	1641.2	1569.5	1508.6	1455.8	1404.4	1367.9
17.5°	2045.7	1940.2	1910.4	1852.2	1721.0	1635.8	1547.8	1482.9	1419.3	1359.7	1316.5
20°	2105.2	1982.1	1907.7	1868.5	1752.1	1626.3	1523.5	1449.0	1382.8	1319.2	1273.2
22.5°	2109.3	1975.4	1926.7	1852.2	1708.8	1597.9	1501.8	1411.2	1334.0	1274.5	1227.2
25°	2099.8	1963.2	1895.5	1836.0	1716.9	1581.6	1458.5	1369.2	1293.5	1224.5	1169.0
27.5°	2095.8	1928.0	1864.4	1804.9	1670.9	1534.3	1432.8	1331.3	1244.7	1183.9	1127.0
30°	2090.4	1890.1	1813.0	1744.0	1620.9	1497.8	1376.0	1288.0	1205.5	1128.4	1071.6
32.5°	2055.2	1838.7	1760.2	1687.2	1554.6	1431.5	1335.4	1242.0	1152.7	1081.0	1029.6
35°	2044.4	1791.4	1688.5	1610.1	1480.2	1370.6	1269.1	1192.0	1108.1	1036.4	975.5
37.5°	2013.2	1742.6	1631.7	1531.6	1396.3	1292.1	1217.7	1140.6	1059.4	982.3	933.6
40°	1959.1	1685.8	1560.0	1457.2	1317.8	1212.3	1143.3	1086.4	1006.6	937.6	878.1
42.5°	1879.3	1627.6	1492.3	1384.1	1229.9	1131.1	1074.3	1020.2	952.5	880.8	832.1
45°	1787.3	1550.5	1424.7	1304.3	1147.3	1051.3	991.7	959.3	897.0	836.1	779.3
47.5°	1661.5	1470.7	1346.2	1221.7	1062.1	968.7	921.4	888.9	845.6	779.3	733.3
50°	1503.2	1367.9	1250.2	1139.2	978.2	888.9	841.6	817.2	780.7	733.3	688.7
52.5°	1327.3	1248.8	1151.4	1048.6	893.0	809.1	765.8	746.8	719.8	675.1	637.3
55°	1150.0	1116.2	1049.9	948.4	803.7	734.7	696.8	672.4	652.1	619.7	587.2
57.5°	991.7	975.5	929.5	851.0	729.3	657.6	625.1	608.8	592.6	568.3	535.8
60°	828.0	845.6	798.3	759.0	648.1	585.8	557.4	539.8	531.7	510.1	489.8
62.5°	686.0	702.2	675.1	645.4	566.9	511.4	493.8	477.6	472.2	453.2	433.0
65°	557.4	577.7	557.4	541.2	493.8	447.8	426.2	418.1	412.7	400.5	384.2
67.5°	443.8	464.1	454.6	434.3	419.4	381.5	369.4	361.2	358.5	349.1	335.5
70°	334.2	362.6	365.3	353.1	339.6	322.0	313.9	311.2	304.4	296.3	288.2
72.5°	240.8	273.3	274.7	274.7	266.5	266.5	258.4	254.4	254.4	246.2	236.8
75°	177.2	198.9	201.6	204.3	208.4	212.4	207.0	207.0	205.7	197.5	193.5
77.5°	117.7	136.7	143.4	152.9	158.3	158.3	161.0	163.7	161.0	156.9	154.2
80°	75.8	89.3	97.4	102.8	110.9	115.0	119.1	120.4	117.7	116.4	112.3
82.5°	50.1	54.1	58.2	64.9	74.4	81.2	81.2	79.8	82.5	81.2	79.8
85°	28.4	31.1	32.5	33.8	39.2	46.0	47.4	48.7	51.4	48.7	46.0
87.5°	10.8	12.2	12.2	12.2	14.9	16.2	20.3	25.7	24.4	21.6	21.6
90°	15.6	12.7	11.2	10.1	7.8	5.5	3.3	1.0	3.3	5.5	7.8
92.5°	20.4	18.3	17.3	18.0	19.3	20.7	22.0	23.4	22.0	20.7	19.3
95°	24.1	21.6	20.4	25.0	34.3	43.6	52.8	62.1	52.8	43.6	34.3
97.5°	67.3	78.8	84.6	87.8	94.1	100.4	106.8	113.1	106.8	100.4	94.1
100°	139.5	174.8	192.5	190.2	185.7	181.2	176.7	172.2	176.7	181.2	185.7
102.5°	193.5	232.9	252.6	251.1	248.2	245.3	242.3	239.4	242.3	245.3	248.2
105°	284.2	304.6	314.8	313.6	311.1	308.6	306.1	303.6	306.1	308.6	311.1
107.5°	386.1	382.7	381.0	380.0	377.9	375.9	373.8	371.8	373.8	375.9	377.9
110°	451.9	449.4	448.2	447.3	445.5	443.7	441.9	440.1	441.9	443.7	445.5

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	516.1	513.6	512.4	511.6	510.0	508.5	506.9	505.3	506.9	508.5	510.0
115°	578.7	576.6	575.6	574.9	573.6	572.2	570.9	569.5	570.9	572.2	573.6
117.5°	641.5	640.4	639.8	639.0	637.4	635.8	634.2	632.6	634.2	635.8	637.4
120°	700.9	700.2	699.9	698.9	696.8	694.8	692.7	690.7	692.7	694.8	696.8
122.5°	758.3	757.4	756.9	756.1	754.5	753.0	751.4	749.8	751.4	753.0	754.5
125°	812.3	811.4	810.9	810.0	808.2	806.4	804.6	802.8	804.6	806.4	808.2
127.5°	865.6	864.5	863.9	863.0	861.2	859.3	857.5	855.7	857.5	859.3	861.2
130°	914.2	913.3	912.8	911.9	910.1	908.2	906.4	904.6	906.4	908.2	910.1
132.5°	960.6	959.9	959.6	958.7	956.9	955.1	953.3	951.5	953.3	955.1	956.9
135°	1006.9	1006.0	1005.5	1004.8	1003.5	1002.1	1000.8	999.4	1000.8	1002.1	1003.5
137.5°	1049.0	1048.5	1048.3	1047.4	1045.6	1043.7	1041.9	1040.1	1041.9	1043.7	1045.6
140°	1088.0	1087.3	1087.0	1086.3	1085.0	1083.6	1082.3	1080.9	1082.3	1083.6	1085.0
142.5°	1125.7	1125.0	1124.7	1124.0	1122.7	1121.3	1120.0	1118.6	1120.0	1121.3	1122.7
145°	1161.0	1160.5	1160.3	1159.5	1157.9	1156.4	1154.8	1153.2	1154.8	1156.4	1157.9
147.5°	1192.6	1192.1	1191.9	1191.3	1190.2	1189.1	1187.9	1186.8	1187.9	1189.1	1190.2
150°	1221.1	1220.6	1220.4	1220.1	1219.4	1218.7	1218.1	1217.4	1218.1	1218.7	1219.4
152.5°	1246.2	1246.0	1245.9	1245.8	1245.6	1245.3	1245.1	1244.9	1245.1	1245.3	1245.6
155°	1268.6	1268.4	1268.3	1268.5	1269.0	1269.5	1269.9	1270.4	1269.9	1269.5	1269.0
157.5°	1290.4	1290.6	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7	1290.7
160°	1307.7	1308.0	1308.1	1308.2	1308.4	1308.7	1308.9	1309.1	1308.9	1308.7	1308.4
162.5°	1323.0	1323.2	1323.3	1323.6	1324.3	1325.0	1325.7	1326.4	1325.7	1325.0	1324.3
165°	1336.3	1336.5	1336.6	1336.9	1337.6	1338.3	1338.9	1339.6	1338.9	1338.3	1337.6
167.5°	1346.8	1346.8	1346.8	1347.2	1348.1	1349.0	1349.9	1350.8	1349.9	1349.0	1348.1
170°	1355.9	1355.9	1355.9	1356.4	1357.3	1358.2	1359.1	1360.0	1359.1	1358.2	1357.3
172.5°	1361.3	1361.1	1361.0	1361.6	1362.7	1363.8	1365.0	1366.1	1365.0	1363.8	1362.7
175°	1366.4	1366.2	1366.1	1366.7	1367.8	1368.9	1370.1	1371.2	1370.1	1368.9	1367.8
177.5°	1368.5	1368.3	1368.2	1368.8	1369.9	1371.0	1372.2	1373.3	1372.2	1371.0	1369.9
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3
2.5°	1560.0	1553.2	1550.5	1543.8	1527.5	1516.7	1504.5	1496.4	1497.8	1491.0	1495.0
5°	1511.3	1509.9	1500.5	1486.9	1463.9	1451.8	1430.1	1419.3	1413.9	1415.2	1407.1
7.5°	1470.7	1458.5	1451.8	1430.1	1408.5	1382.8	1365.2	1355.7	1347.6	1339.5	1334.0
10°	1424.7	1413.9	1403.0	1380.0	1350.3	1325.9	1301.6	1292.1	1279.9	1274.5	1270.5
12.5°	1376.0	1369.2	1355.7	1328.6	1294.8	1271.8	1243.4	1238.0	1221.7	1210.9	1208.2
15°	1331.3	1327.3	1302.9	1271.8	1238.0	1215.0	1190.6	1174.4	1147.3	1152.7	1143.3
17.5°	1284.0	1266.4	1251.5	1209.6	1193.3	1158.2	1129.7	1121.6	1102.7	1090.5	1078.3
20°	1231.2	1220.4	1201.5	1174.4	1135.2	1094.6	1072.9	1059.4	1048.6	1029.6	1024.2
22.5°	1181.2	1167.6	1151.4	1116.2	1082.4	1048.6	1018.8	1006.6	993.1	979.6	971.4
25°	1141.9	1121.6	1104.0	1060.7	1026.9	998.5	979.6	959.3	940.3	932.2	929.5
27.5°	1081.0	1068.9	1051.3	1010.7	979.6	948.4	930.9	917.3	897.0	887.6	879.4
30°	1041.8	1017.4	997.1	964.7	933.6	899.7	883.5	867.3	855.1	842.9	833.4
32.5°	989.0	970.1	953.9	921.4	890.3	859.1	841.6	817.2	810.4	801.0	790.1
35°	937.6	925.4	907.9	872.7	838.9	817.2	798.3	775.3	767.1	760.4	750.9
37.5°	888.9	871.3	859.1	825.3	795.6	769.8	755.0	736.0	730.6	722.5	715.7
40°	847.0	829.4	817.2	783.4	752.3	725.2	715.7	696.8	688.7	679.2	675.1
42.5°	799.6	784.7	768.5	744.1	711.7	684.6	665.7	654.8	644.0	640.0	631.8
45°	749.6	736.0	723.8	696.8	663.0	644.0	627.8	612.9	604.8	598.0	592.6
47.5°	706.3	694.1	677.8	648.1	621.0	603.4	587.2	572.3	564.2	556.1	549.3
50°	656.2	649.4	631.8	603.4	577.7	557.4	542.5	529.0	523.6	514.1	503.3
52.5°	611.5	599.4	584.5	561.5	538.5	514.1	493.8	485.7	476.3	470.8	461.4
55°	558.8	550.7	534.4	514.1	489.8	469.5	454.6	443.8	431.6	426.2	414.0
57.5°	514.1	499.3	491.1	465.4	442.4	422.1	411.3	400.5	387.0	378.8	373.4
60°	465.4	451.9	439.7	418.1	401.8	380.2	364.0	354.5	345.0	334.2	328.8
62.5°	418.1	407.2	392.4	374.8	354.5	336.9	324.7	311.2	305.8	295.0	290.9
65°	366.7	358.5	346.4	326.1	309.8	295.0	282.8	271.9	266.5	262.5	259.8
67.5°	320.7	309.8	301.7	284.1	266.5	254.4	247.6	240.8	234.1	230.0	225.9
70°	273.3	265.2	257.1	240.8	228.7	217.8	212.4	207.0	202.9	198.9	194.8
72.5°	224.6	220.5	212.4	201.6	192.1	184.0	179.9	173.2	169.1	162.4	159.7
75°	185.4	178.6	174.5	165.1	156.9	150.2	144.8	136.7	131.2	128.5	127.2
77.5°	146.1	143.4	138.0	129.9	125.8	119.1	110.9	108.2	105.5	105.5	104.2
80°	109.6	105.5	101.5	94.7	90.6	85.2	85.2	85.2	83.9	85.2	83.9
82.5°	74.4	71.7	69.0	64.9	63.6	63.6	64.9	64.9	64.9	64.9	64.9
85°	43.3	43.3	43.3	44.6	43.3	43.3	44.6	46.0	44.6	44.6	43.3
87.5°	20.3	20.3	21.6	21.6	23.0	23.0	23.0	23.0	23.0	23.0	24.4
90°	10.1	11.2	12.7	15.6	18.5	21.5	24.4	25.3	26.2	27.1	28.0
92.5°	18.0	17.3	18.3	20.4	22.4	24.5	26.5	28.1	29.7	31.2	32.8
95°	25.0	20.4	21.6	24.1	26.6	29.1	31.6	33.2	34.8	36.3	37.9
97.5°	87.8	84.6	78.8	67.3	55.7	44.2	32.6	34.4	36.2	38.0	39.8
100°	190.2	192.5	174.8	139.5	104.2	68.9	33.6	35.4	37.2	39.1	40.9
102.5°	251.1	252.6	232.9	193.5	154.2	114.8	75.4	67.9	60.5	53.0	45.5
105°	313.6	314.8	304.6	284.2	263.9	243.5	223.1	183.0	143.0	102.9	62.8
107.5°	380.0	381.0	382.7	386.1	389.5	392.9	396.3	361.4	326.6	291.7	256.8
110°	447.3	448.2	449.4	451.9	454.4	456.9	459.4	451.9	444.5	437.0	429.5

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	511.6	512.4	513.6	516.1	518.6	521.1	523.6	525.6	527.7	529.7	531.8
115°	574.9	575.6	576.6	578.7	580.7	582.8	584.8	587.0	589.3	591.5	593.8
117.5°	639.0	639.8	640.4	641.5	642.6	643.8	644.9	646.7	648.5	650.3	652.1
120°	698.9	699.9	700.2	700.9	701.6	702.2	702.9	704.7	706.5	708.4	710.2
122.5°	756.1	756.9	757.4	758.3	759.2	760.1	761.0	762.1	763.3	764.4	765.5
125°	810.0	810.9	811.4	812.3	813.2	814.1	815.0	815.4	815.9	816.3	816.8
127.5°	863.0	863.9	864.5	865.6	866.7	867.9	869.0	869.7	870.3	871.0	871.7
130°	911.9	912.8	913.3	914.2	915.1	916.0	916.9	917.8	918.7	919.6	920.5
132.5°	958.7	959.6	959.9	960.6	961.3	962.0	962.7	963.6	964.5	965.4	966.3
135°	1004.8	1005.5	1006.0	1006.9	1007.8	1008.7	1009.6	1010.3	1010.9	1011.6	1012.3
137.5°	1047.4	1048.3	1048.5	1049.0	1049.4	1049.9	1050.3	1051.4	1052.6	1053.7	1054.8
140°	1086.3	1087.0	1087.3	1088.0	1088.7	1089.3	1090.0	1090.9	1091.8	1092.7	1093.6
142.5°	1124.0	1124.7	1125.0	1125.7	1126.4	1127.0	1127.7	1128.4	1129.1	1129.8	1130.5
145°	1159.5	1160.3	1160.5	1161.0	1161.5	1161.9	1162.4	1162.8	1163.3	1163.7	1164.2
147.5°	1191.3	1191.9	1192.1	1192.6	1193.1	1193.5	1194.0	1194.4	1194.9	1195.3	1195.8
150°	1220.1	1220.4	1220.6	1221.1	1221.6	1222.0	1222.5	1222.9	1223.4	1223.8	1224.3
152.5°	1245.8	1245.9	1246.0	1246.2	1246.5	1246.7	1246.9	1247.8	1248.7	1249.6	1250.5
155°	1268.5	1268.3	1268.4	1268.6	1268.9	1269.1	1269.3	1270.4	1271.6	1272.7	1273.8
157.5°	1290.7	1290.7	1290.6	1290.4	1290.1	1289.9	1289.7	1291.1	1292.4	1293.8	1295.1
160°	1308.2	1308.1	1308.0	1307.7	1307.5	1307.2	1307.0	1308.4	1309.7	1311.1	1312.4
162.5°	1323.6	1323.3	1323.2	1323.0	1322.7	1322.5	1322.3	1323.9	1325.5	1327.0	1328.6
165°	1336.9	1336.6	1336.5	1336.3	1336.0	1335.8	1335.6	1337.4	1339.2	1341.0	1342.8
167.5°	1347.2	1346.8	1346.8	1346.8	1346.8	1346.8	1346.8	1348.6	1350.4	1352.2	1354.0
170°	1356.4	1355.9	1355.9	1355.9	1355.9	1355.9	1355.9	1357.7	1359.5	1361.4	1363.2
172.5°	1361.6	1361.0	1361.1	1361.3	1361.6	1361.8	1362.0	1363.8	1365.6	1367.5	1369.3
175°	1366.7	1366.1	1366.2	1366.4	1366.7	1366.9	1367.1	1368.7	1370.3	1371.9	1373.5
177.5°	1368.8	1368.2	1368.3	1368.5	1368.8	1369.0	1369.2	1371.0	1372.8	1374.6	1376.4
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3
2.5°	1493.7	1495.0	1491.0	1482.9	1481.5	1484.2	1492.3	1489.6	1482.9	1495.0	1484.2
5°	1411.2	1404.4	1401.7	1404.4	1396.3	1392.2	1400.3	1396.3	1400.3	1401.7	1405.8
7.5°	1331.3	1332.7	1324.6	1325.9	1315.1	1317.8	1317.8	1317.8	1321.9	1324.6	1330.0
10°	1262.3	1265.0	1255.6	1256.9	1248.8	1243.4	1247.5	1255.6	1255.6	1255.6	1258.3
12.5°	1206.9	1194.7	1187.9	1186.6	1177.1	1174.4	1182.5	1185.2	1192.0	1192.0	1196.0
15°	1137.9	1135.2	1129.7	1129.7	1106.7	1112.2	1114.9	1124.3	1137.9	1127.0	1129.7
17.5°	1075.6	1068.9	1062.1	1059.4	1056.7	1048.6	1059.4	1058.0	1066.2	1067.5	1071.6
20°	1020.2	1014.7	1001.2	1002.6	1005.3	993.1	999.9	999.9	1008.0	1016.1	1025.6
22.5°	966.0	960.6	953.9	956.6	948.4	945.7	945.7	952.5	962.0	968.7	967.4
25°	924.1	914.6	910.6	906.5	902.4	905.1	901.1	907.9	914.6	918.7	914.6
27.5°	876.7	872.7	864.6	860.5	853.7	856.4	859.1	864.6	868.6	868.6	872.7
30°	830.7	825.3	822.6	818.6	818.6	813.1	814.5	819.9	824.0	828.0	833.4
32.5°	786.1	782.0	778.0	778.0	775.3	773.9	772.6	780.7	780.7	788.8	788.8
35°	749.6	742.8	742.8	736.0	738.7	737.4	734.7	740.1	741.4	746.8	745.5
37.5°	709.0	709.0	706.3	699.5	694.1	695.4	702.2	702.2	706.3	704.9	709.0
40°	668.4	665.7	665.7	661.6	660.3	658.9	660.3	661.6	668.4	667.0	668.4
42.5°	627.8	629.1	622.4	622.4	622.4	618.3	619.7	621.0	623.7	626.4	630.5
45°	588.5	585.8	584.5	581.8	579.1	580.4	579.1	584.5	583.1	585.8	589.9
47.5°	546.6	542.5	541.2	535.8	535.8	538.5	537.1	541.2	542.5	546.6	543.9
50°	506.0	500.6	496.5	497.9	489.8	492.5	492.5	496.5	500.6	502.0	504.7
52.5°	458.7	457.3	456.0	449.2	447.8	446.5	447.8	449.2	454.6	458.7	460.0
55°	412.7	411.3	403.2	400.5	396.4	396.4	399.1	400.5	410.0	411.3	416.7
57.5°	370.7	366.7	357.2	355.8	355.8	355.8	351.8	357.2	359.9	366.7	366.7
60°	324.7	324.7	316.6	316.6	318.0	316.6	316.6	318.0	318.0	323.4	326.1
62.5°	288.2	286.8	286.8	284.1	282.8	284.1	282.8	282.8	284.1	288.2	292.2
65°	255.7	254.4	253.0	251.7	248.9	248.9	250.3	253.0	253.0	255.7	257.1
67.5°	224.6	224.6	221.9	221.9	220.5	219.2	220.5	219.2	224.6	224.6	225.9
70°	193.5	192.1	188.1	186.7	182.7	184.0	184.0	188.1	189.4	192.1	194.8
72.5°	155.6	155.6	152.9	150.2	151.5	148.8	148.8	150.2	150.2	154.2	155.6
75°	128.5	125.8	124.5	125.8	124.5	127.2	124.5	124.5	127.2	127.2	127.2
77.5°	105.5	105.5	104.2	104.2	105.5	104.2	105.5	105.5	105.5	104.2	105.5
80°	86.6	85.2	85.2	85.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9
82.5°	64.9	64.9	63.6	64.9	64.9	63.6	64.9	63.6	63.6	64.9	64.9
85°	43.3	46.0	43.3	43.3	44.6	44.6	46.0	44.6	46.0	43.3	44.6
87.5°	23.0	24.4	24.4	23.0	23.0	24.4	24.4	24.4	25.7	23.0	24.4
90°	28.5	28.7	29.2	29.7	30.1	30.6	30.1	29.7	29.2	28.7	28.5
92.5°	33.6	33.7	33.9	34.2	34.4	34.6	34.4	34.2	33.9	33.7	33.6
95°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
97.5°	40.7	40.8	41.1	41.3	41.6	41.8	41.6	41.3	41.1	40.8	40.7
100°	41.8	41.9	42.1	42.4	42.6	42.8	42.6	42.4	42.1	41.9	41.8
102.5°	41.8	42.0	42.5	42.9	43.4	43.8	43.4	42.9	42.5	42.0	41.8
105°	42.8	43.0	43.5	43.9	44.4	44.8	44.4	43.9	43.5	43.0	42.8
107.5°	239.4	224.6	194.9	165.2	135.6	105.9	135.6	165.2	194.9	224.6	239.4
110°	425.8	409.6	377.3	344.9	312.6	280.2	312.6	344.9	377.3	409.6	425.8

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	532.8	532.6	532.1	531.7	531.2	530.8	531.2	531.7	532.1	532.6	532.8
115°	594.9	595.4	596.3	597.2	598.1	599.0	598.1	597.2	596.3	595.4	594.9
117.5°	653.0	653.1	653.3	653.6	653.8	654.0	653.8	653.6	653.3	653.1	653.0
120°	711.1	711.1	711.1	711.1	711.1	711.1	711.1	711.1	711.1	711.1	711.1
122.5°	766.1	766.2	766.4	766.7	766.9	767.1	766.9	766.7	766.4	766.2	766.1
125°	817.0	817.2	817.7	818.2	818.6	819.1	818.6	818.2	817.7	817.2	817.0
127.5°	872.0	871.8	871.3	870.9	870.4	870.0	870.4	870.9	871.3	871.8	872.0
130°	920.9	920.7	920.2	919.8	919.3	918.9	919.3	919.8	920.2	920.7	920.9
132.5°	966.8	966.5	965.8	965.1	964.4	963.7	964.4	965.1	965.8	966.5	966.8
135°	1012.6	1012.3	1011.6	1010.9	1010.3	1009.6	1010.3	1010.9	1011.6	1012.3	1012.6
137.5°	1055.4	1055.2	1054.7	1054.3	1053.8	1053.4	1053.8	1054.3	1054.7	1055.2	1055.4
140°	1094.1	1093.9	1093.4	1093.0	1092.5	1092.1	1092.5	1093.0	1093.4	1093.9	1094.1
142.5°	1130.8	1130.5	1129.8	1129.1	1128.4	1127.7	1128.4	1129.1	1129.8	1130.5	1130.8
145°	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4	1164.4
147.5°	1196.0	1195.4	1194.3	1193.2	1192.0	1190.9	1192.0	1193.2	1194.3	1195.4	1196.0
150°	1224.5	1224.2	1223.5	1222.8	1222.2	1221.5	1222.2	1222.8	1223.5	1224.2	1224.5
152.5°	1251.0	1250.4	1249.3	1248.2	1247.0	1245.9	1247.0	1248.2	1249.3	1250.4	1251.0
155°	1274.4	1273.7	1272.4	1271.0	1269.7	1268.3	1269.7	1271.0	1272.4	1273.7	1274.4
157.5°	1295.8	1294.9	1293.1	1291.3	1289.5	1287.7	1289.5	1291.3	1293.1	1294.9	1295.8
160°	1313.1	1312.3	1310.7	1309.2	1307.6	1306.0	1307.6	1309.2	1310.7	1312.3	1313.1
162.5°	1329.4	1328.7	1327.4	1326.0	1324.7	1323.3	1324.7	1326.0	1327.4	1328.7	1329.4
165°	1343.7	1342.9	1341.3	1339.8	1338.2	1336.6	1338.2	1339.8	1341.3	1342.9	1343.7
167.5°	1354.9	1354.0	1352.2	1350.4	1348.6	1346.8	1348.6	1350.4	1352.2	1354.0	1354.9
170°	1364.1	1363.2	1361.4	1359.5	1357.7	1355.9	1357.7	1359.5	1361.4	1363.2	1364.1
172.5°	1370.2	1369.2	1367.1	1365.1	1363.0	1361.0	1363.0	1365.1	1367.1	1369.2	1370.2
175°	1374.3	1373.4	1371.6	1369.7	1367.9	1366.1	1367.9	1369.7	1371.6	1373.4	1374.3
177.5°	1377.3	1376.2	1373.9	1371.6	1369.4	1367.1	1369.4	1371.6	1373.9	1376.2	1377.3
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3	1580.3
2.5°	1495.0	1500.5	1495.0	1484.2	1495.0	1501.8	1508.6	1519.4	1524.8	1524.8	1532.9
5°	1409.8	1420.6	1416.6	1413.9	1424.7	1431.5	1442.3	1455.8	1470.7	1480.2	1491.0
7.5°	1334.0	1340.8	1347.6	1347.6	1358.4	1373.3	1389.5	1405.8	1424.7	1438.2	1446.3
10°	1267.7	1273.2	1277.2	1282.6	1298.9	1315.1	1336.7	1357.0	1373.3	1388.2	1401.7
12.5°	1204.2	1212.3	1221.7	1225.8	1238.0	1258.3	1278.6	1302.9	1328.6	1343.5	1357.0
15°	1143.3	1147.3	1158.2	1170.3	1181.2	1202.8	1228.5	1254.2	1275.9	1298.9	1311.0
17.5°	1081.0	1082.4	1110.8	1104.0	1139.2	1159.5	1173.0	1197.4	1232.6	1251.5	1270.5
20°	1020.2	1033.7	1045.9	1052.6	1071.6	1094.6	1133.8	1152.7	1181.2	1198.7	1215.0
22.5°	972.8	993.1	993.1	1009.3	1018.8	1040.4	1068.9	1105.4	1136.5	1148.7	1171.7
25°	930.9	940.3	956.6	962.0	979.6	998.5	1017.4	1056.7	1090.5	1106.7	1123.0
27.5°	876.7	888.9	910.6	910.6	933.6	953.9	976.9	1002.6	1036.4	1059.4	1077.0
30°	834.8	847.0	856.4	871.3	880.8	899.7	940.3	959.3	989.0	1009.3	1031.0
32.5°	795.6	805.0	813.1	829.4	840.2	861.9	883.5	917.3	943.0	962.0	985.0
35°	752.3	761.7	772.6	784.7	801.0	821.3	841.6	870.0	895.7	913.3	932.2
37.5°	711.7	718.4	734.7	742.8	756.3	775.3	801.0	830.7	853.7	867.3	886.2
40°	672.4	677.8	690.0	704.9	714.4	729.3	756.3	782.0	810.4	826.7	841.6
42.5°	630.5	637.3	648.1	663.0	677.8	694.1	709.0	738.7	764.4	778.0	794.2
45°	594.0	598.0	606.1	621.0	635.9	648.1	671.1	698.1	722.5	733.3	750.9
47.5°	550.7	554.7	566.9	573.7	589.9	606.1	629.1	656.2	677.8	688.7	704.9
50°	506.0	510.1	518.2	533.1	543.9	561.5	581.8	604.8	631.8	646.7	656.2
52.5°	462.7	470.8	477.6	489.8	503.3	520.9	539.8	561.5	584.5	599.4	610.2
55°	419.4	426.2	434.3	441.1	457.3	473.5	495.2	515.5	535.8	549.3	561.5
57.5°	370.7	380.2	388.3	401.8	414.0	427.5	451.9	468.1	492.5	502.0	512.8
60°	328.8	338.2	345.0	355.8	366.7	384.2	400.5	420.8	441.1	453.2	466.8
62.5°	293.6	297.7	301.7	312.5	323.4	339.6	355.8	376.1	397.8	404.5	415.4
65°	258.4	262.5	269.2	278.7	286.8	296.3	313.9	330.1	350.4	361.2	365.3
67.5°	228.7	232.7	234.1	240.8	247.6	258.4	267.9	284.1	303.1	309.8	318.0
70°	194.8	201.6	202.9	208.4	211.1	217.8	228.7	240.8	255.7	267.9	274.7
72.5°	155.6	165.1	167.8	175.9	179.9	186.7	194.8	204.3	213.8	219.2	224.6
75°	127.2	129.9	131.2	138.0	144.8	154.2	158.3	163.7	171.8	178.6	184.0
77.5°	105.5	106.9	108.2	108.2	109.6	115.0	123.1	129.9	135.3	138.0	142.1
80°	85.2	83.9	83.9	85.2	85.2	85.2	87.9	97.4	100.1	106.9	105.5
82.5°	66.3	63.6	64.9	63.6	63.6	63.6	63.6	64.9	64.9	69.0	71.7
85°	43.3	44.6	43.3	43.3	41.9	43.3	41.9	41.9	40.6	40.6	39.2
87.5°	23.0	24.4	23.0	23.0	21.6	23.0	21.6	21.6	20.3	20.3	17.6
90°	28.0	27.1	26.2	25.3	24.4	21.5	18.5	15.6	12.7	11.2	10.1
92.5°	32.8	31.2	29.7	28.1	26.5	24.5	22.4	20.4	18.3	17.3	18.0
95°	37.9	36.3	34.8	33.2	31.6	29.1	26.6	24.1	21.6	20.4	25.0
97.5°	39.8	38.0	36.2	34.4	32.6	44.2	55.7	67.3	78.8	84.6	87.8
100°	40.9	39.1	37.2	35.4	33.6	68.9	104.2	139.5	174.8	192.5	190.2
102.5°	45.5	53.0	60.5	67.9	75.4	114.8	154.2	193.5	232.9	252.6	251.1
105°	62.8	102.9	143.0	183.0	223.1	243.5	263.9	284.2	304.6	314.8	313.6
107.5°	256.8	291.7	326.6	361.4	396.3	392.9	389.5	386.1	382.7	381.0	380.0
110°	429.5	437.0	444.5	451.9	459.4	456.9	454.4	451.9	449.4	448.2	447.3

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	531.8	529.7	527.7	525.6	523.6	521.1	518.6	516.1	513.6	512.4	511.6
115°	593.8	591.5	589.3	587.0	584.8	582.8	580.7	578.7	576.6	575.6	574.9
117.5°	652.1	650.3	648.5	646.7	644.9	643.8	642.6	641.5	640.4	639.8	639.0
120°	710.2	708.4	706.5	704.7	702.9	702.2	701.6	700.9	700.2	699.9	698.9
122.5°	765.5	764.4	763.3	762.1	761.0	760.1	759.2	758.3	757.4	756.9	756.1
125°	816.8	816.3	815.9	815.4	815.0	814.1	813.2	812.3	811.4	810.9	810.0
127.5°	871.7	871.0	870.3	869.7	869.0	867.9	866.7	865.6	864.5	863.9	863.0
130°	920.5	919.6	918.7	917.8	916.9	916.0	915.1	914.2	913.3	912.8	911.9
132.5°	966.3	965.4	964.5	963.6	962.7	962.0	961.3	960.6	959.9	959.6	958.7
135°	1012.3	1011.6	1010.9	1010.3	1009.6	1008.7	1007.8	1006.9	1006.0	1005.5	1004.8
137.5°	1054.8	1053.7	1052.6	1051.4	1050.3	1049.9	1049.4	1049.0	1048.5	1048.3	1047.4
140°	1093.6	1092.7	1091.8	1090.9	1090.0	1089.3	1088.7	1088.0	1087.3	1087.0	1086.3
142.5°	1130.5	1129.8	1129.1	1128.4	1127.7	1127.0	1126.4	1125.7	1125.0	1124.7	1124.0
145°	1164.2	1163.7	1163.3	1162.8	1162.4	1161.9	1161.5	1161.0	1160.5	1160.3	1159.5
147.5°	1195.8	1195.3	1194.9	1194.4	1194.0	1193.5	1193.1	1192.6	1192.1	1191.9	1191.3
150°	1224.3	1223.8	1223.4	1222.9	1222.5	1222.0	1221.6	1221.1	1220.6	1220.4	1220.1
152.5°	1250.5	1249.6	1248.7	1247.8	1246.9	1246.7	1246.5	1246.2	1246.0	1245.9	1245.8
155°	1273.8	1272.7	1271.6	1270.4	1269.3	1269.1	1268.9	1268.6	1268.4	1268.3	1268.5
157.5°	1295.1	1293.8	1292.4	1291.1	1289.7	1289.9	1290.1	1290.4	1290.6	1290.7	1290.7
160°	1312.4	1311.1	1309.7	1308.4	1307.0	1307.2	1307.5	1307.7	1308.0	1308.1	1308.2
162.5°	1328.6	1327.0	1325.5	1323.9	1322.3	1322.5	1322.7	1323.0	1323.2	1323.3	1323.6
165°	1342.8	1341.0	1339.2	1337.4	1335.6	1335.8	1336.0	1336.3	1336.5	1336.6	1336.9
167.5°	1354.0	1352.2	1350.4	1348.6	1346.8	1346.8	1346.8	1346.8	1346.8	1346.8	1347.2
170°	1363.2	1361.4	1359.5	1357.7	1355.9	1355.9	1355.9	1355.9	1355.9	1355.9	1356.4
172.5°	1369.3	1367.5	1365.6	1363.8	1362.0	1361.8	1361.6	1361.3	1361.1	1361.0	1361.6
175°	1373.5	1371.9	1370.3	1368.7	1367.1	1366.9	1366.7	1366.4	1366.2	1366.1	1366.7
177.5°	1376.4	1374.6	1372.8	1371.0	1369.2	1369.0	1368.8	1368.5	1368.3	1368.2	1368.8
180°	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2	1371.2

TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1580.3	1580.3	1580.3	1580.3
2.5°	1539.7	1549.2	1568.1	1584.3
5°	1507.2	1522.1	1550.5	1578.9
7.5°	1468.0	1491.0	1527.5	1566.8
10°	1430.1	1459.9	1504.5	1550.5
12.5°	1392.2	1423.3	1470.7	1530.2
15°	1347.6	1380.0	1436.9	1508.6
17.5°	1308.3	1351.6	1403.0	1474.8
20°	1266.4	1298.9	1365.2	1440.9
22.5°	1213.6	1267.7	1330.0	1409.8
25°	1171.7	1219.0	1281.3	1371.9
27.5°	1120.3	1175.7	1251.5	1331.3
30°	1078.3	1124.3	1194.7	1290.7
32.5°	1029.6	1083.7	1156.8	1251.5
35°	986.3	1032.3	1101.3	1197.4
37.5°	934.9	985.0	1062.1	1147.3
40°	890.3	939.0	1012.0	1091.9
42.5°	836.1	887.6	960.6	1028.3
45°	792.8	840.2	898.4	960.6
47.5°	740.1	790.1	847.0	890.3
50°	692.7	738.7	783.4	819.9
52.5°	641.3	683.3	723.8	750.9
55°	594.0	626.4	658.9	677.8
57.5°	538.5	569.6	596.7	607.5
60°	489.8	515.5	533.1	545.3
62.5°	438.4	457.3	470.8	477.6
65°	388.3	401.8	408.6	415.4
67.5°	336.9	349.1	353.1	361.2
70°	282.8	296.3	299.0	303.1
72.5°	242.2	242.2	247.6	253.0
75°	193.5	196.2	198.9	198.9
77.5°	151.5	151.5	154.2	155.6
80°	110.9	112.3	112.3	110.9
82.5°	75.8	78.5	75.8	74.4
85°	41.9	47.4	44.6	44.6
87.5°	17.6	17.6	20.3	17.6
90°	7.8	5.5	3.3	1.0
92.5°	19.3	20.7	22.0	23.4
95°	34.3	43.6	52.8	62.1
97.5°	94.1	100.4	106.8	113.1
100°	185.7	181.2	176.7	172.2
102.5°	248.2	245.3	242.3	239.4
105°	311.1	308.6	306.1	303.6
107.5°	377.9	375.9	373.8	371.8
110°	445.5	443.7	441.9	440.1



TEST NUMBER: P1031016

CATALOG NUMBER: S123RDIW-B1000D1030UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	510.0	508.5	506.9	505.3
115°	573.6	572.2	570.9	569.5
117.5°	637.4	635.8	634.2	632.6
120°	696.8	694.8	692.7	690.7
122.5°	754.5	753.0	751.4	749.8
125°	808.2	806.4	804.6	802.8
127.5°	861.2	859.3	857.5	855.7
130°	910.1	908.2	906.4	904.6
132.5°	956.9	955.1	953.3	951.5
135°	1003.5	1002.1	1000.8	999.4
137.5°	1045.6	1043.7	1041.9	1040.1
140°	1085.0	1083.6	1082.3	1080.9
142.5°	1122.7	1121.3	1120.0	1118.6
145°	1157.9	1156.4	1154.8	1153.2
147.5°	1190.2	1189.1	1187.9	1186.8
150°	1219.4	1218.7	1218.1	1217.4
152.5°	1245.6	1245.3	1245.1	1244.9
155°	1269.0	1269.5	1269.9	1270.4
157.5°	1290.7	1290.7	1290.7	1290.7
160°	1308.4	1308.7	1308.9	1309.1
162.5°	1324.3	1325.0	1325.7	1326.4
165°	1337.6	1338.3	1338.9	1339.6
167.5°	1348.1	1349.0	1349.9	1350.8
170°	1357.3	1358.2	1359.1	1360.0
172.5°	1362.7	1363.8	1365.0	1366.1
175°	1367.8	1368.9	1370.1	1371.2
177.5°	1369.9	1371.0	1372.2	1373.3
180°	1371.2	1371.2	1371.2	1371.2

(END OF REPORT)