

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: P1012346

Luminaire Tested: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012346
REPORT IS A COMBINATION OF REPORTS P993035 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

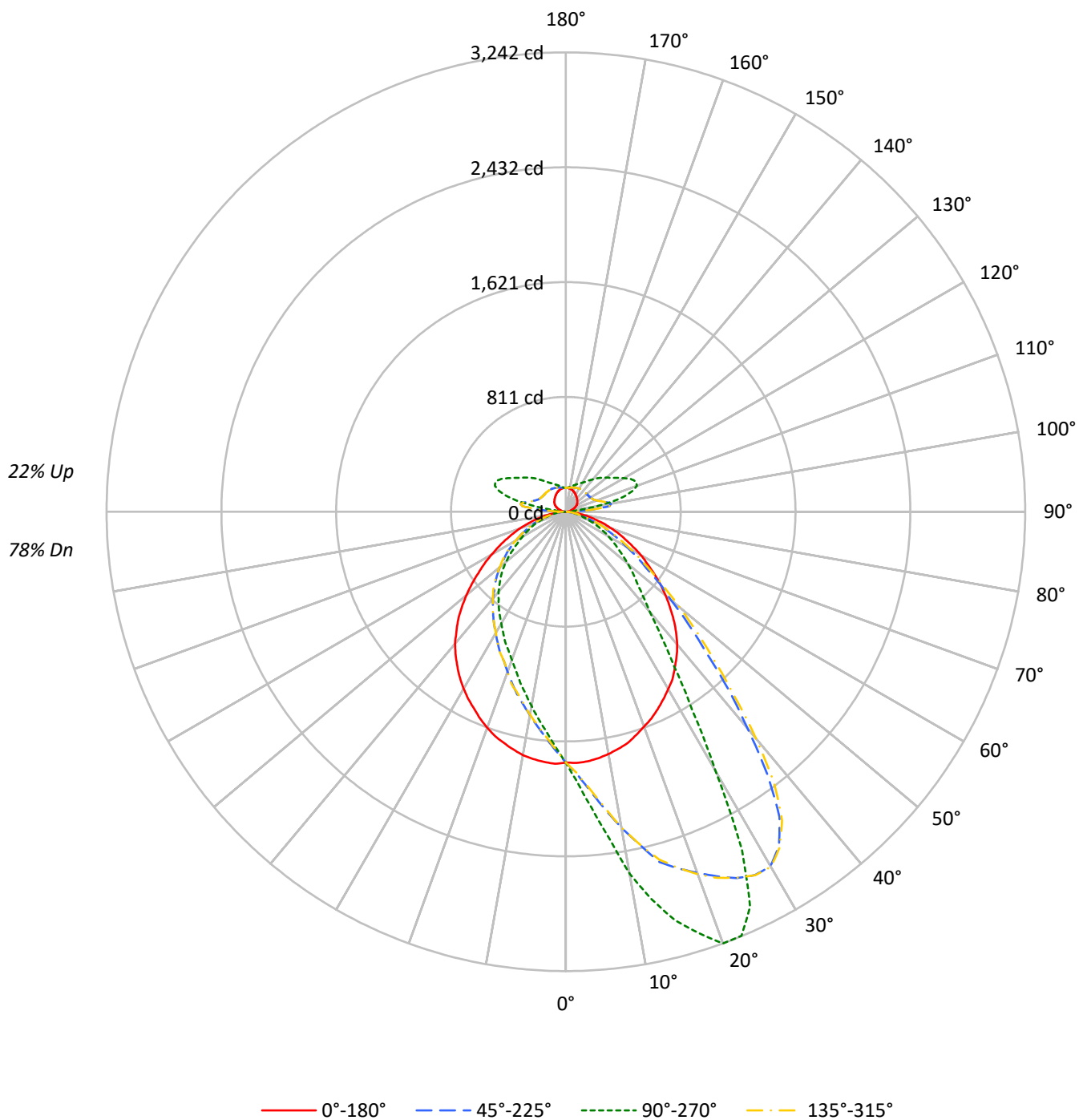
Lumens per Lamp: N/A
Luminaire Lumens: 5677.0 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 70.6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	114	114	114	114	108	108	108	108	99	99	99	90	90	90	81	81	81
1	105	101	97	94	100	96	93	90	88	86	83	81	79	77	74	72	71
2	96	89	83	78	92	85	80	75	78	74	70	72	69	66	66	63	61
3	88	79	72	66	84	76	69	64	70	65	60	64	60	57	59	56	53
4	81	71	63	57	78	68	61	55	63	57	52	58	53	49	53	50	46
5	75	64	56	50	72	61	54	48	57	51	46	53	47	43	49	44	41
6	70	58	50	44	66	56	48	43	52	45	41	48	43	39	44	40	37
7	65	52	44	39	62	51	43	38	47	41	36	44	38	35	41	36	33
8	60	48	40	35	58	46	39	34	43	37	33	40	35	31	38	33	30
9	56	44	37	31	54	43	36	31	40	34	29	37	32	28	35	30	27
10	53	41	33	29	51	39	33	28	37	31	27	35	29	26	32	28	25

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19046	19046	19046	19046
5°	19061	21936	19110	16274
10°	18892	26480	18975	14214
15°	18697	30053	18697	12534
20°	18314	32417	18418	11119
25°	18034	30798	17998	10145
30°	17707	21338	17670	9194
35°	17314	13701	17237	8475
40°	16825	9674	16742	7762
45°	15974	7742	15952	7066
50°	14928	6476	14879	6253
55°	13753	5338	13642	5302
60°	12597	4412	12473	4508
65°	11243	3530	11316	3821
70°	9992	2453	10260	3089
75°	8471	1820	8818	2376
80°	6743	1206	7318	1781
85°	4803	572	5235	1108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 25427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	3.1
10°-20°	544.0	9.6
20°-30°	856.7	15.1
30°-40°	890.8	15.7
40°-50°	762.1	13.4
50°-60°	581.1	10.2
60°-70°	372.3	6.6
70°-80°	178.4	3.1
80°-90°	47.8	0.8
90°-100°	91.6	1.6
100°-110°	268.2	4.7
110°-120°	261.9	4.6
120°-130°	208.6	3.7
130°-140°	164.6	2.9
140°-150°	122.8	2.2
150°-160°	85.6	1.5
160°-170°	50.3	0.9
170°-180°	16.4	0.3
0°-30°	1574.4	27.7
0°-40°	2465.3	43.4
0°-60°	3808.5	67.1
0°-90°	4406.9	77.6
90°-120°	621.8	11.0
90°-150°	1117.8	19.7
90°-180°	1270.0	22.4
0°-180°	5677.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1769	1769	1769	1769	1769	
5°	1768	2101	1772	1559	1768	168
15°	1689	2986	1689	1245	1689	475
25°	1536	3077	1533	1014	1536	708
35°	1341	1335	1335	826	1341	839
45°	1076	712	1074	650	1076	828
55°	759	447	753	444	759	680
65°	465	258	468	279	465	465
75°	223	109	232	142	223	240
85°	50	26	54	50	50	56
90°	1	10	1	10	1	4
95°	12	40	12	40	12	12
105°	40	435	40	435	40	42
115°	70	529	70	529	70	69
125°	97	417	97	417	97	87
135°	114	338	114	338	114	88
145°	130	264	130	264	130	82
155°	148	219	148	219	148	68
165°	162	191	162	191	162	46
175°	168	172	168	172	168	16
180°	169	169	169	169	169	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4
2.5°	1774.0	1786.1	1795.2	1801.3	1816.4	1825.5	1833.1	1846.7	1846.7	1849.7	1855.8
5°	1767.9	1793.7	1811.9	1836.1	1867.9	1883.1	1904.3	1922.4	1948.2	1961.8	1975.5
7.5°	1754.3	1790.6	1828.5	1864.9	1911.8	1942.1	1963.3	2010.3	2043.6	2084.5	2116.4
10°	1736.1	1786.1	1834.6	1890.6	1954.3	1999.7	2031.5	2093.6	2157.3	2214.8	2263.3
12.5°	1713.4	1774.0	1843.7	1911.8	2001.2	2046.7	2098.2	2175.4	2266.3	2339.1	2404.2
15°	1689.1	1758.8	1837.6	1920.9	2033.0	2096.7	2170.9	2264.8	2366.3	2470.9	2560.2
17.5°	1651.3	1739.1	1827.0	1948.2	2080.0	2117.9	2181.5	2310.3	2436.0	2529.9	2639.0
20°	1613.4	1711.9	1822.5	1931.5	2073.9	2161.8	2220.9	2357.2	2492.1	2605.7	2710.2
22.5°	1578.6	1681.6	1796.7	1934.6	2067.9	2155.7	2230.0	2372.4	2528.4	2655.7	2784.4
25°	1536.1	1648.2	1775.5	1905.8	2067.9	2134.5	2216.3	2381.5	2546.6	2693.5	2852.6
27.5°	1490.7	1604.3	1730.1	1863.4	2011.8	2110.3	2190.6	2367.8	2569.3	2726.9	2890.5
30°	1445.2	1561.9	1683.1	1802.8	1969.4	2063.3	2155.7	2351.2	2581.4	2761.7	2887.5
32.5°	1401.3	1499.8	1619.5	1736.1	1901.2	2004.3	2108.8	2334.5	2586.0	2737.5	2798.1
35°	1340.7	1443.7	1540.7	1664.9	1831.6	1933.1	2055.8	2333.0	2566.3	2660.2	2629.9
37.5°	1284.7	1371.0	1463.4	1574.0	1745.2	1877.0	2004.3	2293.6	2501.2	2507.2	2336.0
40°	1222.5	1293.8	1371.0	1487.7	1672.5	1802.8	1940.6	2233.0	2383.0	2293.6	1992.1
42.5°	1151.3	1215.0	1275.6	1389.2	1590.7	1736.1	1884.6	2157.3	2211.8	2005.8	1692.2
45°	1075.6	1127.1	1183.2	1302.8	1504.3	1648.2	1796.7	2040.6	1984.6	1693.7	1395.3
47.5°	996.8	1040.8	1095.3	1204.4	1411.9	1558.9	1699.8	1874.0	1731.6	1419.5	1169.5
50°	918.0	952.9	1005.9	1118.0	1318.0	1451.3	1581.6	1695.2	1495.2	1218.0	966.5
52.5°	840.8	868.1	922.6	1018.0	1211.9	1339.2	1433.1	1477.1	1274.1	1005.9	839.3
55°	759.0	789.3	825.6	922.6	1115.0	1208.9	1271.0	1269.5	1060.5	852.9	693.8
57.5°	680.2	707.5	739.3	836.2	992.3	1055.9	1108.9	1083.2	884.7	698.4	595.4
60°	610.5	625.7	660.5	742.3	860.5	915.0	945.3	901.4	722.6	589.3	492.4
62.5°	534.8	549.9	578.7	656.0	728.7	757.5	783.2	727.2	596.9	480.2	421.2
65°	465.1	484.8	503.0	565.1	604.5	639.3	636.3	589.3	466.6	390.9	342.4
67.5°	404.5	412.1	427.2	465.1	483.3	509.0	510.5	457.5	375.7	318.1	289.4
70°	339.3	346.9	357.5	375.7	387.8	393.9	390.9	343.9	283.3	248.4	222.7
72.5°	283.3	281.8	289.4	289.4	301.5	300.0	290.9	254.5	215.1	186.3	171.2
75°	222.7	224.2	225.7	222.7	218.1	212.1	204.5	177.2	151.5	137.9	124.2
77.5°	174.2	171.2	172.7	162.1	156.0	150.0	139.4	125.7	104.5	101.5	95.4
80°	124.2	122.7	121.2	116.6	103.0	97.0	89.4	81.8	77.3	74.2	72.7
82.5°	83.3	83.3	80.3	71.2	63.6	59.1	57.6	54.5	50.0	50.0	48.5
85°	50.0	48.5	45.4	36.4	31.8	31.8	31.8	31.8	28.8	28.8	27.3
87.5°	19.7	18.2	13.6	13.6	12.1	12.1	12.1	10.6	10.6	9.1	9.1
90°	0.7	1.4	2.1	3.1	3.8	4.1	4.4	5.5	6.5	7.5	8.5
92.5°	5.1	7.5	10.9	14.0	17.4	20.5	23.6	34.5	52.6	70.4	63.6
95°	11.6	12.6	16.4	22.2	31.1	37.8	44.4	73.5	124.4	180.5	202.7
97.5°	18.5	18.8	21.9	27.0	35.9	43.2	50.6	79.3	138.4	232.8	311.7
100°	25.3	25.6	28.0	32.8	41.0	47.6	54.3	78.3	128.9	218.7	323.7
102.5°	32.5	33.2	35.2	39.6	46.8	52.8	58.8	79.6	120.7	198.2	301.5
105°	39.6	40.7	42.7	46.8	53.3	58.6	63.9	82.4	117.6	182.2	274.8
107.5°	47.2	48.2	50.2	54.3	60.5	65.4	70.4	86.8	116.9	170.6	251.2
110°	55.4	56.4	58.1	61.9	67.7	72.4	77.2	92.6	118.6	164.4	231.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	62.9	63.9	65.6	69.4	75.2	79.8	84.4	98.4	122.0	161.0	218.7
115°	70.1	71.4	73.5	76.9	82.7	87.3	91.9	104.9	125.8	160.6	210.2
117.5°	77.2	79.0	80.7	83.7	90.2	94.5	98.8	111.8	130.6	161.0	204.4
120°	84.8	85.8	87.5	90.9	97.4	101.7	106.0	118.3	136.0	162.4	200.6
122.5°	91.3	92.3	94.0	97.8	103.9	108.5	113.1	125.1	141.2	164.7	198.2
125°	97.4	98.1	100.1	103.9	110.4	115.0	119.6	131.6	146.6	167.1	196.2
127.5°	102.2	103.2	105.6	109.4	116.6	121.2	125.8	137.4	151.1	169.9	195.2
130°	106.6	107.7	110.7	114.8	122.0	126.6	131.2	142.5	155.5	172.6	194.1
132.5°	110.1	111.4	114.8	120.0	127.1	131.6	136.0	147.0	159.6	174.7	193.8
135°	114.2	115.5	119.3	124.4	131.6	136.2	140.8	151.4	163.0	176.7	193.5
137.5°	117.9	119.3	123.0	128.5	135.7	140.0	144.2	154.5	165.8	178.1	192.8
140°	121.7	123.4	126.8	132.3	139.1	143.4	147.7	157.6	167.8	179.4	192.4
142.5°	125.8	127.1	130.9	135.7	142.5	146.4	150.4	160.0	169.9	180.5	191.7
145°	130.2	131.2	134.3	139.5	145.3	149.2	153.1	162.0	171.2	180.8	191.1
147.5°	134.7	135.3	138.4	142.9	148.7	152.1	155.5	163.7	172.3	180.8	190.0
150°	139.1	139.5	142.2	146.6	151.4	154.5	157.6	165.4	172.6	180.8	188.7
152.5°	143.6	143.6	146.3	150.0	154.1	157.0	160.0	166.5	173.3	179.8	187.0
155°	148.0	148.0	150.0	153.5	157.2	159.6	162.0	167.8	173.3	179.1	184.9
157.5°	151.4	151.8	153.5	156.5	160.0	161.8	163.7	168.5	173.6	178.1	183.2
160°	155.5	155.5	156.9	159.6	162.0	163.7	165.4	169.5	173.6	177.4	181.1
162.5°	158.6	158.6	159.6	161.7	163.7	165.1	166.5	169.9	173.3	176.0	179.1
165°	161.7	161.3	162.0	163.7	165.1	166.3	167.5	170.2	172.6	174.7	177.0
167.5°	164.1	163.7	164.1	165.4	166.5	167.4	168.2	170.2	172.3	173.3	175.0
170°	166.1	165.4	165.8	166.8	167.5	167.8	168.2	169.9	171.2	171.9	172.9
172.5°	167.5	167.1	167.1	167.8	168.2	168.4	168.5	169.9	170.9	170.9	171.2
175°	168.5	168.2	167.8	168.5	168.5	168.6	168.8	169.5	170.2	169.9	169.9
177.5°	169.2	168.8	168.5	168.8	168.8	168.8	168.8	169.2	169.9	169.2	168.8
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4
2.5°	1867.9	1867.9	1881.5	1895.2	1887.6	1892.1	1908.8	1902.8	1914.9	1913.4	1917.9
5°	2008.8	2025.5	2039.1	2067.9	2072.4	2067.9	2096.7	2104.2	2117.9	2101.2	2108.8
7.5°	2167.9	2202.7	2236.0	2278.5	2292.1	2295.1	2310.3	2331.5	2349.7	2316.3	2333.0
10°	2322.4	2375.4	2443.6	2481.5	2514.8	2526.9	2539.0	2552.7	2573.9	2593.6	2578.4
12.5°	2489.0	2566.3	2631.4	2699.6	2740.5	2736.0	2770.8	2779.9	2796.6	2801.1	2807.2
15°	2625.4	2734.4	2775.4	2876.9	2885.9	2916.2	2955.6	2990.5	2995.0	2985.9	2985.9
17.5°	2755.7	2849.6	2922.3	3004.1	3020.8	3046.5	3096.5	3113.2	3119.2	3117.7	3117.7
20°	2861.7	2923.8	3046.5	3114.7	3142.0	3175.3	3210.1	3231.3	3235.9	3242.0	3232.9
22.5°	2931.4	3025.3	3125.3	3181.4	3204.1	3216.2	3238.9	3245.0	3237.4	3238.9	3240.4
25°	2985.9	3078.3	3138.9	3154.1	3152.6	3137.4	3120.8	3092.0	3088.9	3076.8	3052.6
27.5°	3001.1	3035.9	3028.3	2966.2	2904.1	2898.1	2798.1	2743.5	2681.4	2690.5	2655.7
30°	2919.3	2873.8	2766.3	2608.7	2543.6	2437.5	2325.4	2208.8	2163.3	2113.3	2205.7
32.5°	2719.3	2557.2	2366.3	2161.8	2052.7	1958.8	1839.1	1754.3	1705.8	1664.9	1743.7
35°	2417.8	2164.8	1911.8	1717.9	1628.6	1543.7	1431.6	1389.2	1328.6	1334.7	1342.2
37.5°	2030.0	1751.3	1560.4	1369.5	1310.4	1275.6	1193.8	1128.6	1107.4	1101.4	1101.4
40°	1666.4	1437.7	1268.0	1118.0	1072.6	1043.8	978.6	948.3	925.6	919.6	927.1
42.5°	1378.6	1183.2	1051.4	951.4	919.6	883.2	855.9	818.1	813.5	802.9	816.5
45°	1157.4	987.7	889.3	816.5	789.3	775.6	745.3	722.6	713.5	712.0	722.6
47.5°	981.7	849.9	763.5	718.1	696.9	683.2	657.5	648.4	639.3	642.3	637.8
50°	824.1	725.7	669.6	628.7	615.1	601.4	584.8	575.7	571.1	571.1	569.6
52.5°	707.5	625.7	589.3	551.4	545.4	537.8	519.6	513.6	506.0	504.5	510.5
55°	606.0	549.9	513.6	490.8	484.8	469.6	462.1	454.5	449.9	446.9	448.4
57.5°	518.1	475.7	451.4	431.8	421.2	415.1	401.5	399.9	396.9	396.9	395.4
60°	445.4	415.1	386.3	374.2	366.6	359.0	357.5	348.4	343.9	346.9	345.4
62.5°	377.2	353.0	336.3	322.7	318.1	312.1	307.5	304.5	300.0	301.5	301.5
65°	315.1	295.4	283.3	271.2	269.7	263.6	262.1	259.1	259.1	257.5	260.6
67.5°	259.1	245.4	234.8	227.2	222.7	224.2	218.1	213.6	213.6	212.1	216.6
70°	206.0	198.5	187.9	178.8	172.7	172.7	165.1	163.6	163.6	163.6	162.1
72.5°	159.1	145.4	140.9	137.9	137.9	137.9	134.8	134.8	133.3	134.8	133.3
75°	118.2	116.6	113.6	112.1	112.1	110.6	109.1	109.1	109.1	109.1	109.1
77.5°	92.4	92.4	89.4	87.9	87.9	87.9	86.4	86.4	84.8	84.8	84.8
80°	68.2	68.2	65.1	65.1	65.1	63.6	63.6	63.6	65.1	63.6	63.6
82.5°	47.0	47.0	45.4	47.0	45.4	43.9	43.9	43.9	42.4	43.9	43.9
85°	27.3	27.3	25.8	24.2	25.8	25.8	24.2	25.8	24.2	25.8	24.2
87.5°	10.6	9.1	9.1	9.1	7.6	9.1	7.6	7.6	9.1	7.6	9.1
90°	8.2	8.5	8.9	9.2	9.6	9.9	9.6	9.9	10.3	9.9	10.3
92.5°	47.5	33.8	26.3	22.9	21.7	20.5	19.8	18.5	18.8	18.1	18.8
95°	164.4	123.0	83.4	65.3	59.2	53.0	46.5	43.4	41.0	39.6	41.0
97.5°	322.3	282.7	213.3	168.2	148.7	129.2	106.3	93.3	85.1	81.3	85.1
100°	391.0	403.0	375.3	335.3	311.0	286.8	252.2	227.3	214.0	214.3	214.0
102.5°	394.4	443.0	448.8	429.6	416.4	403.3	378.4	359.9	349.3	339.4	349.3
105°	372.9	444.3	478.5	485.0	480.6	476.1	460.4	447.4	436.5	434.8	436.5
107.5°	342.1	423.8	477.5	504.1	508.8	513.4	511.3	505.2	500.7	497.0	500.7
110°	313.4	391.7	454.6	497.6	509.6	521.6	531.1	533.9	533.2	532.5	533.2

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	288.5	359.9	424.5	474.1	490.3	506.5	526.0	535.9	539.3	539.7	539.3
115°	269.3	332.6	392.0	442.3	460.9	479.5	505.2	520.2	527.0	528.7	527.0
117.5°	256.7	311.4	364.0	410.1	429.4	448.8	475.4	492.2	502.4	504.8	502.4
120°	247.1	295.3	341.4	382.5	399.8	417.0	444.0	463.1	471.3	473.4	471.3
122.5°	239.3	282.7	323.3	360.6	376.3	392.0	415.3	432.0	441.3	444.0	441.3
125°	232.8	271.7	309.0	341.8	355.5	369.1	391.0	406.0	414.6	417.0	414.6
127.5°	226.6	261.8	295.6	325.7	338.4	351.0	370.8	383.8	391.7	393.7	391.7
130°	221.8	252.6	283.3	311.0	322.6	334.3	352.4	364.7	371.9	374.6	371.9
132.5°	217.4	244.0	271.7	297.0	308.0	318.9	335.6	347.9	354.1	355.8	354.1
135°	213.6	236.5	260.8	283.0	292.8	302.5	319.2	329.5	335.6	338.0	335.6
137.5°	210.2	229.3	249.8	269.7	278.4	287.1	301.5	312.1	317.2	319.2	317.2
140°	207.1	223.2	240.6	257.0	264.4	271.7	284.7	294.3	299.8	299.4	299.8
142.5°	204.4	217.4	231.7	245.4	251.6	257.7	268.3	276.5	281.3	281.0	281.3
145°	202.0	212.9	224.2	235.2	240.2	245.1	253.6	260.8	263.5	264.2	263.5
147.5°	199.6	209.2	218.4	227.6	231.2	234.8	241.6	246.8	249.5	249.8	249.5
150°	197.2	205.1	212.9	220.1	223.4	226.6	231.7	235.5	237.5	237.5	237.5
152.5°	194.5	201.3	207.8	214.0	216.6	219.1	222.8	226.3	227.3	227.3	227.3
155°	191.7	197.6	203.0	208.2	210.2	212.3	215.3	218.1	218.7	219.1	218.7
157.5°	188.7	193.5	198.2	202.3	204.0	205.8	208.5	210.5	211.2	211.2	211.2
160°	185.6	190.0	193.8	197.2	198.4	199.6	202.0	204.0	204.0	203.7	204.0
162.5°	182.5	185.9	189.0	192.1	193.1	194.1	195.5	197.2	197.2	196.9	197.2
165°	179.8	182.5	184.6	187.0	187.8	188.7	190.0	191.4	191.1	191.1	191.1
167.5°	177.0	179.4	181.1	182.5	183.2	183.9	184.6	185.6	185.3	185.3	185.3
170°	174.7	176.4	177.4	178.8	179.1	179.4	179.8	180.5	180.1	180.1	180.1
172.5°	172.3	173.6	174.3	175.3	175.5	175.7	175.7	176.4	175.7	175.3	175.7
175°	170.6	171.2	171.6	172.3	172.3	172.3	172.3	172.6	172.3	171.9	172.3
177.5°	169.2	169.5	169.9	170.2	170.2	170.2	169.9	170.2	169.5	169.5	169.5
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4
2.5°	1910.3	1901.2	1895.2	1890.6	1886.1	1899.7	1881.5	1861.8	1848.2	1839.1	1836.1
5°	2110.3	2090.6	2073.9	2060.3	2063.3	2063.3	2031.5	1996.7	1966.4	1949.7	1931.5
7.5°	2342.1	2320.9	2287.5	2280.0	2273.9	2236.0	2204.2	2140.6	2102.7	2064.9	2031.5
10°	2572.4	2545.1	2513.3	2502.7	2487.5	2440.6	2392.1	2310.3	2263.3	2193.6	2149.7
12.5°	2787.5	2754.1	2722.3	2714.8	2692.0	2651.1	2567.8	2483.0	2402.7	2328.4	2251.2
15°	2967.7	2958.7	2910.2	2879.9	2829.9	2773.8	2755.7	2640.5	2539.0	2461.8	2322.4
17.5°	3119.2	3076.8	3031.4	3011.7	2992.0	2926.8	2861.7	2743.5	2634.5	2520.8	2431.5
20°	3240.4	3193.5	3161.7	3132.9	3123.8	3049.6	2946.5	2842.0	2722.3	2595.1	2478.4
22.5°	3246.5	3240.4	3219.2	3202.6	3184.4	3135.9	3054.1	2923.8	2796.6	2657.2	2504.2
25°	3120.8	3111.7	3172.3	3157.1	3169.2	3151.1	3107.1	2998.0	2849.6	2686.0	2531.4
27.5°	2742.0	2834.4	2929.9	2963.2	2985.9	3051.1	3072.3	3011.7	2892.0	2717.8	2545.1
30°	2226.9	2349.7	2504.2	2587.5	2651.1	2772.3	2929.9	2949.6	2893.5	2754.1	2542.1
32.5°	1748.2	1860.3	1984.6	2083.0	2167.9	2416.3	2628.4	2781.4	2808.7	2736.0	2549.6
35°	1408.9	1457.4	1575.5	1669.5	1784.6	1996.7	2246.6	2493.6	2660.2	2669.3	2526.9
37.5°	1162.0	1187.7	1290.7	1343.7	1411.9	1598.3	1831.6	2154.2	2413.3	2536.0	2463.3
40°	962.0	1021.1	1080.1	1110.4	1158.9	1287.7	1511.9	1764.9	2086.1	2313.3	2364.8
42.5°	834.7	860.5	898.4	940.8	971.1	1083.2	1233.2	1464.9	1754.3	2070.9	2213.3
45°	736.3	745.3	784.7	812.0	843.8	922.6	1028.6	1222.5	1477.1	1789.1	2031.5
47.5°	654.4	672.6	693.8	710.5	731.7	792.3	883.2	1024.1	1248.3	1527.0	1787.6
50°	581.7	592.3	619.6	627.2	642.3	684.7	754.4	862.0	1046.8	1269.5	1539.2
52.5°	513.6	533.3	543.9	554.5	568.1	602.9	648.4	736.3	875.6	1084.7	1313.4
55°	460.5	466.6	481.7	490.8	501.4	525.7	565.1	630.2	739.3	905.9	1122.6
57.5°	409.0	409.0	424.2	431.8	442.4	460.5	495.4	545.4	624.2	748.4	946.8
60°	354.5	356.0	368.1	377.2	380.2	398.4	427.2	466.6	527.2	618.1	780.2
62.5°	306.0	313.6	319.7	322.7	333.3	343.9	368.1	395.4	437.8	518.1	633.2
65°	265.1	266.6	271.2	274.2	278.7	290.9	309.0	327.2	363.6	422.7	516.6
67.5°	218.1	224.2	230.3	230.3	234.8	240.9	259.1	274.2	301.5	336.3	399.9
70°	163.6	166.6	175.7	180.3	186.3	196.9	206.0	215.1	236.3	262.1	310.6
72.5°	136.3	136.3	139.4	140.9	140.9	148.5	162.1	171.2	181.8	200.0	233.3
75°	109.1	109.1	113.6	112.1	115.1	118.2	119.7	125.7	131.8	145.4	165.1
77.5°	86.4	87.9	87.9	89.4	89.4	90.9	92.4	95.4	98.5	106.0	115.1
80°	63.6	65.1	65.1	66.7	66.7	68.2	69.7	71.2	74.2	77.3	81.8
82.5°	43.9	45.4	45.4	47.0	45.4	47.0	48.5	48.5	50.0	53.0	54.5
85°	25.8	25.8	27.3	25.8	25.8	25.8	27.3	27.3	28.8	33.3	33.3
87.5°	7.6	9.1	7.6	9.1	9.1	9.1	9.1	10.6	10.6	12.1	13.6
90°	9.9	9.6	9.9	9.6	9.2	8.9	8.5	8.2	8.5	7.5	6.5
92.5°	18.5	19.8	20.5	21.7	22.9	26.3	33.8	47.5	63.6	70.4	52.6
95°	43.4	46.5	53.0	59.2	65.3	83.4	123.0	164.4	202.7	180.5	124.4
97.5°	93.3	106.3	129.2	148.7	168.2	213.3	282.7	322.3	311.7	232.8	138.4
100°	227.3	252.2	286.8	311.0	335.3	375.3	403.0	391.0	323.7	218.7	128.9
102.5°	359.9	378.4	403.3	416.4	429.6	448.8	443.0	394.4	301.5	198.2	120.7
105°	447.4	460.4	476.1	480.6	485.0	478.5	444.3	372.9	274.8	182.2	117.6
107.5°	505.2	511.3	513.4	508.8	504.1	477.5	423.8	342.1	251.2	170.6	116.9
110°	533.9	531.1	521.6	509.6	497.6	454.6	391.7	313.4	231.7	164.4	118.6

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	535.9	526.0	506.5	490.3	474.1	424.5	359.9	288.5	218.7	161.0	122.0
115°	520.2	505.2	479.5	460.9	442.3	392.0	332.6	269.3	210.2	160.6	125.8
117.5°	492.2	475.4	448.8	429.4	410.1	364.0	311.4	256.7	204.4	161.0	130.6
120°	463.1	444.0	417.0	399.8	382.5	341.4	295.3	247.1	200.6	162.4	136.0
122.5°	432.0	415.3	392.0	376.3	360.6	323.3	282.7	239.3	198.2	164.7	141.2
125°	406.0	391.0	369.1	355.5	341.8	309.0	271.7	232.8	196.2	167.1	146.6
127.5°	383.8	370.8	351.0	338.4	325.7	295.6	261.8	226.6	195.2	169.9	151.1
130°	364.7	352.4	334.3	322.6	311.0	283.3	252.6	221.8	194.1	172.6	155.5
132.5°	347.9	335.6	318.9	308.0	297.0	271.7	244.0	217.4	193.8	174.7	159.6
135°	329.5	319.2	302.5	292.8	283.0	260.8	236.5	213.6	193.5	176.7	163.0
137.5°	312.1	301.5	287.1	278.4	269.7	249.8	229.3	210.2	192.8	178.1	165.8
140°	294.3	284.7	271.7	264.4	257.0	240.6	223.2	207.1	192.4	179.4	167.8
142.5°	276.5	268.3	257.7	251.6	245.4	231.7	217.4	204.4	191.7	180.5	169.9
145°	260.8	253.6	245.1	240.2	235.2	224.2	212.9	202.0	191.1	180.8	171.2
147.5°	246.8	241.6	234.8	231.2	227.6	218.4	209.2	199.6	190.0	180.8	172.3
150°	235.5	231.7	226.6	223.4	220.1	212.9	205.1	197.2	188.7	180.8	172.6
152.5°	226.3	222.8	219.1	216.6	214.0	207.8	201.3	194.5	187.0	179.8	173.3
155°	218.1	215.3	212.3	210.2	208.2	203.0	197.6	191.7	184.9	179.1	173.3
157.5°	210.5	208.5	205.8	204.0	202.3	198.2	193.5	188.7	183.2	178.1	173.6
160°	204.0	202.0	199.6	198.4	197.2	193.8	190.0	185.6	181.1	177.4	173.6
162.5°	197.2	195.5	194.1	193.1	192.1	189.0	185.9	182.5	179.1	176.0	173.3
165°	191.4	190.0	188.7	187.8	187.0	184.6	182.5	179.8	177.0	174.7	172.6
167.5°	185.6	184.6	183.9	183.2	182.5	181.1	179.4	177.0	175.0	173.3	172.3
170°	180.5	179.8	179.4	179.1	178.8	177.4	176.4	174.7	172.9	171.9	171.2
172.5°	176.4	175.7	175.7	175.5	175.3	174.3	173.6	172.3	171.2	170.9	170.9
175°	172.6	172.3	172.3	172.3	172.3	171.6	171.2	170.6	169.9	169.9	170.2
177.5°	170.2	169.9	170.2	170.2	170.2	169.9	169.5	169.2	168.8	169.2	169.9
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4
2.5°	1831.6	1824.0	1816.4	1816.4	1799.7	1784.6	1777.0	1780.0	1771.0	1758.8	1746.7
5°	1911.8	1881.5	1875.5	1858.8	1836.1	1804.3	1787.6	1772.5	1754.3	1730.1	1707.3
7.5°	1986.1	1946.7	1925.5	1908.8	1864.9	1820.9	1784.6	1760.3	1728.5	1692.2	1664.9
10°	2083.0	2010.3	1987.6	1949.7	1887.6	1825.5	1783.1	1743.7	1699.8	1657.3	1621.0
12.5°	2160.3	2077.0	2034.6	1996.7	1916.4	1837.6	1766.4	1717.9	1664.9	1617.9	1571.0
15°	2248.2	2154.2	2080.0	2034.6	1933.1	1837.6	1757.3	1689.1	1630.1	1572.5	1531.6
17.5°	2290.6	2172.4	2139.1	2073.9	1927.0	1831.6	1733.1	1660.4	1589.2	1522.5	1474.0
20°	2357.2	2219.4	2136.1	2092.1	1961.8	1820.9	1705.8	1622.5	1548.3	1477.1	1425.5
22.5°	2361.8	2211.8	2157.3	2073.9	1913.4	1789.1	1681.6	1580.1	1493.7	1427.1	1374.0
25°	2351.2	2198.2	2122.4	2055.8	1922.4	1771.0	1633.1	1533.1	1448.3	1371.0	1308.9
27.5°	2346.6	2158.8	2087.6	2020.9	1870.9	1717.9	1604.3	1490.7	1393.7	1325.6	1261.9
30°	2340.6	2116.4	2030.0	1952.7	1814.9	1677.0	1540.7	1442.2	1349.8	1263.5	1199.8
32.5°	2301.2	2058.8	1970.9	1889.1	1740.7	1602.8	1495.2	1390.7	1290.7	1210.4	1152.9
35°	2289.1	2005.8	1890.6	1802.8	1657.3	1534.6	1421.0	1334.7	1240.7	1160.4	1092.3
37.5°	2254.2	1951.2	1827.0	1714.9	1563.4	1446.8	1363.4	1277.1	1186.2	1099.8	1045.3
40°	2193.6	1887.6	1746.7	1631.6	1475.5	1357.4	1280.1	1216.5	1127.1	1049.8	983.2
42.5°	2104.2	1822.5	1671.0	1549.8	1377.1	1266.5	1202.9	1142.3	1066.5	986.2	931.7
45°	2001.2	1736.1	1595.2	1460.4	1284.7	1177.1	1110.4	1074.1	1004.4	936.2	872.6
47.5°	1860.3	1646.7	1507.4	1368.0	1189.2	1084.7	1031.7	995.3	946.8	872.6	821.1
50°	1683.1	1531.6	1399.8	1275.6	1095.3	995.3	942.3	915.0	874.1	821.1	771.1
52.5°	1486.1	1398.3	1289.2	1174.1	999.9	905.9	857.5	836.2	805.9	756.0	713.5
55°	1287.7	1249.8	1175.6	1062.0	899.9	822.6	780.2	752.9	730.2	693.8	657.5
57.5°	1110.4	1092.3	1040.8	952.9	816.5	736.3	699.9	681.7	663.5	636.3	599.9
60°	927.1	946.8	893.8	849.9	725.7	656.0	624.2	604.5	595.4	571.1	548.4
62.5°	768.1	786.2	756.0	722.6	634.8	572.6	552.9	534.8	528.7	507.5	484.8
65°	624.2	646.9	624.2	606.0	552.9	501.4	477.2	468.1	462.1	448.4	430.2
67.5°	496.9	519.6	509.0	486.3	469.6	427.2	413.6	404.5	401.5	390.9	375.7
70°	374.2	406.0	409.0	395.4	380.2	360.6	351.5	348.4	340.9	331.8	322.7
72.5°	269.7	306.0	307.5	307.5	298.4	298.4	289.4	284.8	284.8	275.7	265.1
75°	198.5	222.7	225.7	228.8	233.3	237.8	231.8	231.8	230.3	221.2	216.6
77.5°	131.8	153.0	160.6	171.2	177.2	177.2	180.3	183.3	180.3	175.7	172.7
80°	84.8	100.0	109.1	115.1	124.2	128.8	133.3	134.8	131.8	130.3	125.7
82.5°	56.1	60.6	65.1	72.7	83.3	90.9	90.9	89.4	92.4	90.9	89.4
85°	31.8	34.8	36.4	37.9	43.9	51.5	53.0	54.5	57.6	54.5	51.5
87.5°	12.1	13.6	13.6	13.6	16.7	18.2	22.7	28.8	27.3	24.2	24.2
90°	5.5	4.4	4.1	3.8	3.1	2.1	1.4	0.7	1.4	2.1	3.1
92.5°	34.5	23.6	20.5	17.4	14.0	10.9	7.5	5.1	7.5	10.9	14.0
95°	73.5	44.4	37.8	31.1	22.2	16.4	12.6	11.6	12.6	16.4	22.2
97.5°	79.3	50.6	43.2	35.9	27.0	21.9	18.8	18.5	18.8	21.9	27.0
100°	78.3	54.3	47.6	41.0	32.8	28.0	25.6	25.3	25.6	28.0	32.8
102.5°	79.6	58.8	52.8	46.8	39.6	35.2	33.2	32.5	33.2	35.2	39.6
105°	82.4	63.9	58.6	53.3	46.8	42.7	40.7	39.6	40.7	42.7	46.8
107.5°	86.8	70.4	65.4	60.5	54.3	50.2	48.2	47.2	48.2	50.2	54.3
110°	92.6	77.2	72.4	67.7	61.9	58.1	56.4	55.4	56.4	58.1	61.9

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	98.4	84.4	79.8	75.2	69.4	65.6	63.9	62.9	63.9	65.6	69.4
115°	104.9	91.9	87.3	82.7	76.9	73.5	71.4	70.1	71.4	73.5	76.9
117.5°	111.8	98.8	94.5	90.2	83.7	80.7	79.0	77.2	79.0	80.7	83.7
120°	118.3	106.0	101.7	97.4	90.9	87.5	85.8	84.8	85.8	87.5	90.9
122.5°	125.1	113.1	108.5	103.9	97.8	94.0	92.3	91.3	92.3	94.0	97.8
125°	131.6	119.6	115.0	110.4	103.9	100.1	98.1	97.4	98.1	100.1	103.9
127.5°	137.4	125.8	121.2	116.6	109.4	105.6	103.2	102.2	103.2	105.6	109.4
130°	142.5	131.2	126.6	122.0	114.8	110.7	107.7	106.6	107.7	110.7	114.8
132.5°	147.0	136.0	131.6	127.1	120.0	114.8	111.4	110.1	111.4	114.8	120.0
135°	151.4	140.8	136.2	131.6	124.4	119.3	115.5	114.2	115.5	119.3	124.4
137.5°	154.5	144.2	140.0	135.7	128.5	123.0	119.3	117.9	119.3	123.0	128.5
140°	157.6	147.7	143.4	139.1	132.3	126.8	123.4	121.7	123.4	126.8	132.3
142.5°	160.0	150.4	146.4	142.5	135.7	130.9	127.1	125.8	127.1	130.9	135.7
145°	162.0	153.1	149.2	145.3	139.5	134.3	131.2	130.2	131.2	134.3	139.5
147.5°	163.7	155.5	152.1	148.7	142.9	138.4	135.3	134.7	135.3	138.4	142.9
150°	165.4	157.6	154.5	151.4	146.6	142.2	139.5	139.1	139.5	142.2	146.6
152.5°	166.5	160.0	157.0	154.1	150.0	146.3	143.6	143.6	143.6	146.3	150.0
155°	167.8	162.0	159.6	157.2	153.5	150.0	148.0	148.0	148.0	150.0	153.5
157.5°	168.5	163.7	161.8	160.0	156.5	153.5	151.8	151.4	151.8	153.5	156.5
160°	169.5	165.4	163.7	162.0	159.6	156.9	155.5	155.5	155.5	156.9	159.6
162.5°	169.9	166.5	165.1	163.7	161.7	159.6	158.6	158.6	158.6	159.6	161.7
165°	170.2	167.5	166.3	165.1	163.7	162.0	161.3	161.7	161.3	162.0	163.7
167.5°	170.2	168.2	167.4	166.5	165.4	164.1	163.7	164.1	163.7	164.1	165.4
170°	169.9	168.2	167.8	167.5	166.8	165.8	165.4	166.1	165.4	165.8	166.8
172.5°	169.9	168.5	168.4	168.2	167.8	167.1	167.1	167.5	167.1	167.1	167.8
175°	169.5	168.8	168.6	168.5	168.5	167.8	168.2	168.5	168.2	167.8	168.5
177.5°	169.2	168.8	168.8	168.8	168.8	168.5	168.8	169.2	168.8	168.5	168.8
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4
2.5°	1746.7	1739.1	1736.1	1728.5	1710.4	1698.2	1684.6	1675.5	1677.0	1669.5	1674.0
5°	1692.2	1690.7	1680.1	1664.9	1639.2	1625.5	1601.3	1589.2	1583.1	1584.6	1575.5
7.5°	1646.7	1633.1	1625.5	1601.3	1577.0	1548.3	1528.6	1518.0	1508.9	1499.8	1493.7
10°	1595.2	1583.1	1571.0	1545.2	1511.9	1484.6	1457.4	1446.8	1433.1	1427.1	1422.5
12.5°	1540.7	1533.1	1518.0	1487.7	1449.8	1424.0	1392.2	1386.2	1368.0	1355.9	1352.8
15°	1490.7	1486.1	1458.9	1424.0	1386.2	1360.4	1333.1	1315.0	1284.7	1290.7	1280.1
17.5°	1437.7	1418.0	1401.3	1354.3	1336.2	1296.8	1265.0	1255.9	1234.7	1221.0	1207.4
20°	1378.6	1366.5	1345.3	1315.0	1271.0	1225.6	1201.3	1186.2	1174.1	1152.9	1146.8
22.5°	1322.5	1307.4	1289.2	1249.8	1211.9	1174.1	1140.7	1127.1	1112.0	1096.8	1087.7
25°	1278.6	1255.9	1236.2	1187.7	1149.8	1118.0	1096.8	1074.1	1052.9	1043.8	1040.8
27.5°	1210.4	1196.8	1177.1	1131.7	1096.8	1062.0	1042.3	1027.1	1004.4	993.8	984.7
30°	1166.5	1139.2	1116.5	1080.1	1045.3	1007.4	989.2	971.1	957.4	943.8	933.2
32.5°	1107.4	1086.2	1068.0	1031.7	996.8	962.0	942.3	915.0	907.4	896.8	884.7
35°	1049.8	1036.2	1016.5	977.1	939.3	915.0	893.8	868.1	859.0	851.4	840.8
37.5°	995.3	975.6	962.0	924.1	890.8	862.0	845.3	824.1	818.1	809.0	801.4
40°	948.3	928.7	915.0	877.1	842.3	812.0	801.4	780.2	771.1	760.5	756.0
42.5°	895.3	878.7	860.5	833.2	796.9	766.6	745.3	733.2	721.1	716.6	707.5
45°	839.3	824.1	810.5	780.2	742.3	721.1	702.9	686.3	677.2	669.6	663.5
47.5°	790.8	777.2	759.0	725.7	695.4	675.7	657.5	640.8	631.7	622.6	615.1
50°	734.7	727.2	707.5	675.7	646.9	624.2	607.5	592.3	586.3	575.7	563.6
52.5°	684.7	671.1	654.4	628.7	602.9	575.7	552.9	543.9	533.3	527.2	516.6
55°	625.7	616.6	598.4	575.7	548.4	525.7	509.0	496.9	483.3	477.2	463.6
57.5°	575.7	559.0	549.9	521.1	495.4	472.7	460.5	448.4	433.3	424.2	418.1
60°	521.1	506.0	492.4	468.1	449.9	425.7	407.5	396.9	386.3	374.2	368.1
62.5°	468.1	456.0	439.3	419.6	396.9	377.2	363.6	348.4	342.4	330.3	325.7
65°	410.5	401.5	387.8	365.1	346.9	330.3	316.6	304.5	298.4	293.9	290.9
67.5°	359.0	346.9	337.8	318.1	298.4	284.8	277.2	269.7	262.1	257.5	253.0
70°	306.0	296.9	287.8	269.7	256.0	243.9	237.8	231.8	227.2	222.7	218.1
72.5°	251.5	246.9	237.8	225.7	215.1	206.0	201.5	193.9	189.4	181.8	178.8
75°	207.5	200.0	195.4	184.8	175.7	168.2	162.1	153.0	146.9	143.9	142.4
77.5°	163.6	160.6	154.5	145.4	140.9	133.3	124.2	121.2	118.2	118.2	116.6
80°	122.7	118.2	113.6	106.0	101.5	95.4	95.4	95.4	93.9	95.4	93.9
82.5°	83.3	80.3	77.3	72.7	71.2	71.2	72.7	72.7	72.7	72.7	72.7
85°	48.5	48.5	48.5	50.0	48.5	48.5	50.0	51.5	50.0	50.0	48.5
87.5°	22.7	22.7	24.2	24.2	25.8	25.8	25.8	25.8	25.8	25.8	27.3
90°	3.8	4.1	4.4	5.5	6.5	7.5	8.5	8.2	8.5	8.9	9.2
92.5°	17.4	20.5	23.6	34.5	52.6	70.4	63.6	47.5	33.8	26.3	22.9
95°	31.1	37.8	44.4	73.5	124.4	180.5	202.7	164.4	123.0	83.4	65.3
97.5°	35.9	43.2	50.6	79.3	138.4	232.8	311.7	322.3	282.7	213.3	168.2
100°	41.0	47.6	54.3	78.3	128.9	218.7	323.7	391.0	403.0	375.3	335.3
102.5°	46.8	52.8	58.8	79.6	120.7	198.2	301.5	394.4	443.0	448.8	429.6
105°	53.3	58.6	63.9	82.4	117.6	182.2	274.8	372.9	444.3	478.5	485.0
107.5°	60.5	65.4	70.4	86.8	116.9	170.6	251.2	342.1	423.8	477.5	504.1
110°	67.7	72.4	77.2	92.6	118.6	164.4	231.7	313.4	391.7	454.6	497.6

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	75.2	79.8	84.4	98.4	122.0	161.0	218.7	288.5	359.9	424.5	474.1
115°	82.7	87.3	91.9	104.9	125.8	160.6	210.2	269.3	332.6	392.0	442.3
117.5°	90.2	94.5	98.8	111.8	130.6	161.0	204.4	256.7	311.4	364.0	410.1
120°	97.4	101.7	106.0	118.3	136.0	162.4	200.6	247.1	295.3	341.4	382.5
122.5°	103.9	108.5	113.1	125.1	141.2	164.7	198.2	239.3	282.7	323.3	360.6
125°	110.4	115.0	119.6	131.6	146.6	167.1	196.2	232.8	271.7	309.0	341.8
127.5°	116.6	121.2	125.8	137.4	151.1	169.9	195.2	226.6	261.8	295.6	325.7
130°	122.0	126.6	131.2	142.5	155.5	172.6	194.1	221.8	252.6	283.3	311.0
132.5°	127.1	131.6	136.0	147.0	159.6	174.7	193.8	217.4	244.0	271.7	297.0
135°	131.6	136.2	140.8	151.4	163.0	176.7	193.5	213.6	236.5	260.8	283.0
137.5°	135.7	140.0	144.2	154.5	165.8	178.1	192.8	210.2	229.3	249.8	269.7
140°	139.1	143.4	147.7	157.6	167.8	179.4	192.4	207.1	223.2	240.6	257.0
142.5°	142.5	146.4	150.4	160.0	169.9	180.5	191.7	204.4	217.4	231.7	245.4
145°	145.3	149.2	153.1	162.0	171.2	180.8	191.1	202.0	212.9	224.2	235.2
147.5°	148.7	152.1	155.5	163.7	172.3	180.8	190.0	199.6	209.2	218.4	227.6
150°	151.4	154.5	157.6	165.4	172.6	180.8	188.7	197.2	205.1	212.9	220.1
152.5°	154.1	157.0	160.0	166.5	173.3	179.8	187.0	194.5	201.3	207.8	214.0
155°	157.2	159.6	162.0	167.8	173.3	179.1	184.9	191.7	197.6	203.0	208.2
157.5°	160.0	161.8	163.7	168.5	173.6	178.1	183.2	188.7	193.5	198.2	202.3
160°	162.0	163.7	165.4	169.5	173.6	177.4	181.1	185.6	190.0	193.8	197.2
162.5°	163.7	165.1	166.5	169.9	173.3	176.0	179.1	182.5	185.9	189.0	192.1
165°	165.1	166.3	167.5	170.2	172.6	174.7	177.0	179.8	182.5	184.6	187.0
167.5°	166.5	167.4	168.2	170.2	172.3	173.3	175.0	177.0	179.4	181.1	182.5
170°	167.5	167.8	168.2	169.9	171.2	171.9	172.9	174.7	176.4	177.4	178.8
172.5°	168.2	168.4	168.5	169.9	170.9	170.9	171.2	172.3	173.6	174.3	175.3
175°	168.5	168.6	168.8	169.5	170.2	169.9	169.9	170.6	171.2	171.6	172.3
177.5°	168.8	168.8	168.8	169.2	169.9	169.2	168.8	169.2	169.5	169.9	170.2
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4
2.5°	1672.5	1674.0	1669.5	1660.4	1658.8	1661.9	1671.0	1667.9	1660.4	1674.0	1661.9
5°	1580.1	1572.5	1569.5	1572.5	1563.4	1558.9	1568.0	1563.4	1568.0	1569.5	1574.0
7.5°	1490.7	1492.2	1483.1	1484.6	1472.5	1475.5	1475.5	1475.5	1480.1	1483.1	1489.2
10°	1413.4	1416.5	1405.9	1407.4	1398.3	1392.2	1396.8	1405.9	1405.9	1405.9	1408.9
12.5°	1351.3	1337.7	1330.1	1328.6	1318.0	1315.0	1324.0	1327.1	1334.7	1334.7	1339.2
15°	1274.1	1271.0	1265.0	1265.0	1239.2	1245.3	1248.3	1258.9	1274.1	1261.9	1265.0
17.5°	1204.4	1196.8	1189.2	1186.2	1183.2	1174.1	1186.2	1184.7	1193.8	1195.3	1199.8
20°	1142.3	1136.2	1121.0	1122.6	1125.6	1112.0	1119.5	1119.5	1128.6	1137.7	1148.3
22.5°	1081.7	1075.6	1068.0	1071.1	1062.0	1058.9	1058.9	1066.5	1077.1	1084.7	1083.2
25°	1034.7	1024.1	1019.5	1015.0	1010.5	1013.5	1008.9	1016.5	1024.1	1028.6	1024.1
27.5°	981.7	977.1	968.0	963.5	955.9	959.0	962.0	968.0	972.6	972.6	977.1
30°	930.2	924.1	921.1	916.5	916.5	910.5	912.0	918.0	922.6	927.1	933.2
32.5°	880.2	875.6	871.1	871.1	868.1	866.5	865.0	874.1	874.1	883.2	883.2
35°	839.3	831.7	831.7	824.1	827.2	825.6	822.6	828.7	830.2	836.2	834.7
37.5°	793.8	793.8	790.8	783.2	777.2	778.7	786.2	786.2	790.8	789.3	793.8
40°	748.4	745.3	745.3	740.8	739.3	737.8	739.3	740.8	748.4	746.9	748.4
42.5°	702.9	704.4	696.9	696.9	696.9	692.3	693.8	695.4	698.4	701.4	706.0
45°	659.0	656.0	654.4	651.4	648.4	649.9	648.4	654.4	652.9	656.0	660.5
47.5°	612.0	607.5	606.0	599.9	599.9	602.9	601.4	606.0	607.5	612.0	609.0
50°	566.6	560.5	556.0	557.5	548.4	551.4	551.4	556.0	560.5	562.0	565.1
52.5°	513.6	512.0	510.5	503.0	501.4	499.9	501.4	503.0	509.0	513.6	515.1
55°	462.1	460.5	451.4	448.4	443.9	443.9	446.9	448.4	459.0	460.5	466.6
57.5°	415.1	410.5	399.9	398.4	398.4	398.4	393.9	399.9	403.0	410.5	410.5
60°	363.6	363.6	354.5	354.5	356.0	354.5	354.5	356.0	356.0	362.1	365.1
62.5°	322.7	321.2	321.2	318.1	316.6	318.1	316.6	316.6	318.1	322.7	327.2
65°	286.3	284.8	283.3	281.8	278.7	278.7	280.3	283.3	283.3	286.3	287.8
67.5°	251.5	251.5	248.4	248.4	246.9	245.4	246.9	245.4	251.5	251.5	253.0
70°	216.6	215.1	210.6	209.1	204.5	206.0	206.0	210.6	212.1	215.1	218.1
72.5°	174.2	174.2	171.2	168.2	169.7	166.6	166.6	168.2	168.2	172.7	174.2
75°	143.9	140.9	139.4	140.9	139.4	142.4	139.4	139.4	142.4	142.4	142.4
77.5°	118.2	118.2	116.6	116.6	118.2	116.6	118.2	118.2	118.2	116.6	118.2
80°	97.0	95.4	95.4	95.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9
82.5°	72.7	72.7	71.2	72.7	72.7	71.2	72.7	71.2	71.2	72.7	72.7
85°	48.5	51.5	48.5	48.5	50.0	50.0	51.5	50.0	51.5	48.5	50.0
87.5°	25.8	27.3	27.3	25.8	25.8	27.3	27.3	27.3	28.8	25.8	27.3
90°	9.6	9.9	9.6	9.9	10.3	9.9	10.3	9.9	9.6	9.9	9.6
92.5°	21.7	20.5	19.8	18.5	18.8	18.1	18.8	18.5	19.8	20.5	21.7
95°	59.2	53.0	46.5	43.4	41.0	39.6	41.0	43.4	46.5	53.0	59.2
97.5°	148.7	129.2	106.3	93.3	85.1	81.3	85.1	93.3	106.3	129.2	148.7
100°	311.0	286.8	252.2	227.3	214.0	214.3	214.0	227.3	252.2	286.8	311.0
102.5°	416.4	403.3	378.4	359.9	349.3	339.4	349.3	359.9	378.4	403.3	416.4
105°	480.6	476.1	460.4	447.4	436.5	434.8	436.5	447.4	460.4	476.1	480.6
107.5°	508.8	513.4	511.3	505.2	500.7	497.0	500.7	505.2	511.3	513.4	508.8
110°	509.6	521.6	531.1	533.9	533.2	532.5	533.2	533.9	531.1	521.6	509.6

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	490.3	506.5	526.0	535.9	539.3	539.7	539.3	535.9	526.0	506.5	490.3
115°	460.9	479.5	505.2	520.2	527.0	528.7	527.0	520.2	505.2	479.5	460.9
117.5°	429.4	448.8	475.4	492.2	502.4	504.8	502.4	492.2	475.4	448.8	429.4
120°	399.8	417.0	444.0	463.1	471.3	473.4	471.3	463.1	444.0	417.0	399.8
122.5°	376.3	392.0	415.3	432.0	441.3	444.0	441.3	432.0	415.3	392.0	376.3
125°	355.5	369.1	391.0	406.0	414.6	417.0	414.6	406.0	391.0	369.1	355.5
127.5°	338.4	351.0	370.8	383.8	391.7	393.7	391.7	383.8	370.8	351.0	338.4
130°	322.6	334.3	352.4	364.7	371.9	374.6	371.9	364.7	352.4	334.3	322.6
132.5°	308.0	318.9	335.6	347.9	354.1	355.8	354.1	347.9	335.6	318.9	308.0
135°	292.8	302.5	319.2	329.5	335.6	338.0	335.6	329.5	319.2	302.5	292.8
137.5°	278.4	287.1	301.5	312.1	317.2	319.2	317.2	312.1	301.5	287.1	278.4
140°	264.4	271.7	284.7	294.3	299.8	299.4	299.8	294.3	284.7	271.7	264.4
142.5°	251.6	257.7	268.3	276.5	281.3	281.0	281.3	276.5	268.3	257.7	251.6
145°	240.2	245.1	253.6	260.8	263.5	264.2	263.5	260.8	253.6	245.1	240.2
147.5°	231.2	234.8	241.6	246.8	249.5	249.8	249.5	246.8	241.6	234.8	231.2
150°	223.4	226.6	231.7	235.5	237.5	237.5	237.5	235.5	231.7	226.6	223.4
152.5°	216.6	219.1	222.8	226.3	227.3	227.3	227.3	226.3	222.8	219.1	216.6
155°	210.2	212.3	215.3	218.1	218.7	219.1	218.7	218.1	215.3	212.3	210.2
157.5°	204.0	205.8	208.5	210.5	211.2	211.2	211.2	210.5	208.5	205.8	204.0
160°	198.4	199.6	202.0	204.0	204.0	203.7	204.0	204.0	202.0	199.6	198.4
162.5°	193.1	194.1	195.5	197.2	197.2	196.9	197.2	197.2	195.5	194.1	193.1
165°	187.8	188.7	190.0	191.4	191.1	191.1	191.1	191.4	190.0	188.7	187.8
167.5°	183.2	183.9	184.6	185.6	185.3	185.3	185.3	185.6	184.6	183.9	183.2
170°	179.1	179.4	179.8	180.5	180.1	180.1	180.1	180.5	179.8	179.4	179.1
172.5°	175.5	175.7	175.7	176.4	175.7	175.3	175.7	176.4	175.7	175.7	175.5
175°	172.3	172.3	172.3	172.6	172.3	171.9	172.3	172.6	172.3	172.3	172.3
177.5°	170.2	170.2	169.9	170.2	169.5	169.5	169.5	170.2	169.9	170.2	170.2
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4	1769.4
2.5°	1674.0	1680.1	1674.0	1661.9	1674.0	1681.6	1689.1	1701.3	1707.3	1707.3	1716.4
5°	1578.6	1590.7	1586.1	1583.1	1595.2	1602.8	1614.9	1630.1	1646.7	1657.3	1669.5
7.5°	1493.7	1501.3	1508.9	1508.9	1521.0	1537.7	1555.8	1574.0	1595.2	1610.4	1619.5
10°	1419.5	1425.5	1430.1	1436.2	1454.3	1472.5	1496.8	1519.5	1537.7	1554.3	1569.5
12.5°	1348.3	1357.4	1368.0	1372.5	1386.2	1408.9	1431.6	1458.9	1487.7	1504.3	1519.5
15°	1280.1	1284.7	1296.8	1310.4	1322.5	1346.8	1375.6	1404.3	1428.6	1454.3	1468.0
17.5°	1210.4	1211.9	1243.8	1236.2	1275.6	1298.3	1313.4	1340.7	1380.1	1401.3	1422.5
20°	1142.3	1157.4	1171.0	1178.6	1199.8	1225.6	1269.5	1290.7	1322.5	1342.2	1360.4
22.5°	1089.2	1112.0	1112.0	1130.1	1140.7	1165.0	1196.8	1237.7	1272.5	1286.2	1311.9
25°	1042.3	1052.9	1071.1	1077.1	1096.8	1118.0	1139.2	1183.2	1221.0	1239.2	1257.4
27.5°	981.7	995.3	1019.5	1019.5	1045.3	1068.0	1093.8	1122.6	1160.4	1186.2	1205.9
30°	934.7	948.3	959.0	975.6	986.2	1007.4	1052.9	1074.1	1107.4	1130.1	1154.4
32.5°	890.8	901.4	910.5	928.7	940.8	965.0	989.2	1027.1	1055.9	1077.1	1102.9
35°	842.3	852.9	865.0	878.7	896.8	919.6	942.3	974.1	1002.9	1022.6	1043.8
37.5°	796.9	804.4	822.6	831.7	846.8	868.1	896.8	930.2	955.9	971.1	992.3
40°	752.9	759.0	772.6	789.3	799.9	816.5	846.8	875.6	907.4	925.6	942.3
42.5°	706.0	713.5	725.7	742.3	759.0	777.2	793.8	827.2	855.9	871.1	889.3
45°	665.1	669.6	678.7	695.4	712.0	725.7	751.4	781.7	809.0	821.1	840.8
47.5°	616.6	621.1	634.8	642.3	660.5	678.7	704.4	734.7	759.0	771.1	789.3
50°	566.6	571.1	580.2	596.9	609.0	628.7	651.4	677.2	707.5	724.1	734.7
52.5°	518.1	527.2	534.8	548.4	563.6	583.2	604.5	628.7	654.4	671.1	683.2
55°	469.6	477.2	486.3	493.9	512.0	530.2	554.5	577.2	599.9	615.1	628.7
57.5°	415.1	425.7	434.8	449.9	463.6	478.7	506.0	524.2	551.4	562.0	574.2
60°	368.1	378.7	386.3	398.4	410.5	430.2	448.4	471.1	493.9	507.5	522.7
62.5°	328.7	333.3	337.8	349.9	362.1	380.2	398.4	421.2	445.4	453.0	465.1
65°	289.4	293.9	301.5	312.1	321.2	331.8	351.5	369.6	392.4	404.5	409.0
67.5°	256.0	260.6	262.1	269.7	277.2	289.4	300.0	318.1	339.3	346.9	356.0
70°	218.1	225.7	227.2	233.3	236.3	243.9	256.0	269.7	286.3	300.0	307.5
72.5°	174.2	184.8	187.9	196.9	201.5	209.1	218.1	228.8	239.4	245.4	251.5
75°	142.4	145.4	146.9	154.5	162.1	172.7	177.2	183.3	192.4	200.0	206.0
77.5°	118.2	119.7	121.2	121.2	122.7	128.8	137.9	145.4	151.5	154.5	159.1
80°	95.4	93.9	93.9	95.4	95.4	95.4	98.5	109.1	112.1	119.7	118.2
82.5°	74.2	71.2	72.7	71.2	71.2	71.2	71.2	72.7	72.7	77.3	80.3
85°	48.5	50.0	48.5	48.5	47.0	48.5	47.0	47.0	45.4	45.4	43.9
87.5°	25.8	27.3	25.8	25.8	24.2	25.8	24.2	24.2	22.7	22.7	19.7
90°	9.2	8.9	8.5	8.2	8.5	7.5	6.5	5.5	4.4	4.1	3.8
92.5°	22.9	26.3	33.8	47.5	63.6	70.4	52.6	34.5	23.6	20.5	17.4
95°	65.3	83.4	123.0	164.4	202.7	180.5	124.4	73.5	44.4	37.8	31.1
97.5°	168.2	213.3	282.7	322.3	311.7	232.8	138.4	79.3	50.6	43.2	35.9
100°	335.3	375.3	403.0	391.0	323.7	218.7	128.9	78.3	54.3	47.6	41.0
102.5°	429.6	448.8	443.0	394.4	301.5	198.2	120.7	79.6	58.8	52.8	46.8
105°	485.0	478.5	444.3	372.9	274.8	182.2	117.6	82.4	63.9	58.6	53.3
107.5°	504.1	477.5	423.8	342.1	251.2	170.6	116.9	86.8	70.4	65.4	60.5
110°	497.6	454.6	391.7	313.4	231.7	164.4	118.6	92.6	77.2	72.4	67.7

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	474.1	424.5	359.9	288.5	218.7	161.0	122.0	98.4	84.4	79.8	75.2
115°	442.3	392.0	332.6	269.3	210.2	160.6	125.8	104.9	91.9	87.3	82.7
117.5°	410.1	364.0	311.4	256.7	204.4	161.0	130.6	111.8	98.8	94.5	90.2
120°	382.5	341.4	295.3	247.1	200.6	162.4	136.0	118.3	106.0	101.7	97.4
122.5°	360.6	323.3	282.7	239.3	198.2	164.7	141.2	125.1	113.1	108.5	103.9
125°	341.8	309.0	271.7	232.8	196.2	167.1	146.6	131.6	119.6	115.0	110.4
127.5°	325.7	295.6	261.8	226.6	195.2	169.9	151.1	137.4	125.8	121.2	116.6
130°	311.0	283.3	252.6	221.8	194.1	172.6	155.5	142.5	131.2	126.6	122.0
132.5°	297.0	271.7	244.0	217.4	193.8	174.7	159.6	147.0	136.0	131.6	127.1
135°	283.0	260.8	236.5	213.6	193.5	176.7	163.0	151.4	140.8	136.2	131.6
137.5°	269.7	249.8	229.3	210.2	192.8	178.1	165.8	154.5	144.2	140.0	135.7
140°	257.0	240.6	223.2	207.1	192.4	179.4	167.8	157.6	147.7	143.4	139.1
142.5°	245.4	231.7	217.4	204.4	191.7	180.5	169.9	160.0	150.4	146.4	142.5
145°	235.2	224.2	212.9	202.0	191.1	180.8	171.2	162.0	153.1	149.2	145.3
147.5°	227.6	218.4	209.2	199.6	190.0	180.8	172.3	163.7	155.5	152.1	148.7
150°	220.1	212.9	205.1	197.2	188.7	180.8	172.6	165.4	157.6	154.5	151.4
152.5°	214.0	207.8	201.3	194.5	187.0	179.8	173.3	166.5	160.0	157.0	154.1
155°	208.2	203.0	197.6	191.7	184.9	179.1	173.3	167.8	162.0	159.6	157.2
157.5°	202.3	198.2	193.5	188.7	183.2	178.1	173.6	168.5	163.7	161.8	160.0
160°	197.2	193.8	190.0	185.6	181.1	177.4	173.6	169.5	165.4	163.7	162.0
162.5°	192.1	189.0	185.9	182.5	179.1	176.0	173.3	169.9	166.5	165.1	163.7
165°	187.0	184.6	182.5	179.8	177.0	174.7	172.6	170.2	167.5	166.3	165.1
167.5°	182.5	181.1	179.4	177.0	175.0	173.3	172.3	170.2	168.2	167.4	166.5
170°	178.8	177.4	176.4	174.7	172.9	171.9	171.2	169.9	168.2	167.8	167.5
172.5°	175.3	174.3	173.6	172.3	171.2	170.9	170.9	169.9	168.5	168.4	168.2
175°	172.3	171.6	171.2	170.6	169.9	169.9	170.2	169.5	168.8	168.6	168.5
177.5°	170.2	169.9	169.5	169.2	168.8	169.2	169.9	169.2	168.8	168.8	168.8
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1769.4	1769.4	1769.4	1769.4
2.5°	1724.0	1734.6	1755.8	1774.0
5°	1687.6	1704.3	1736.1	1767.9
7.5°	1643.7	1669.5	1710.4	1754.3
10°	1601.3	1634.6	1684.6	1736.1
12.5°	1558.9	1593.7	1646.7	1713.4
15°	1508.9	1545.2	1608.9	1689.1
17.5°	1464.9	1513.4	1571.0	1651.3
20°	1418.0	1454.3	1528.6	1613.4
22.5°	1358.9	1419.5	1489.2	1578.6
25°	1311.9	1365.0	1434.6	1536.1
27.5°	1254.4	1316.5	1401.3	1490.7
30°	1207.4	1258.9	1337.7	1445.2
32.5°	1152.9	1213.5	1295.3	1401.3
35°	1104.4	1155.9	1233.2	1340.7
37.5°	1046.8	1102.9	1189.2	1284.7
40°	996.8	1051.4	1133.2	1222.5
42.5°	936.2	993.8	1075.6	1151.3
45°	887.7	940.8	1005.9	1075.6
47.5°	828.7	884.7	948.3	996.8
50°	775.6	827.2	877.1	918.0
52.5°	718.1	765.0	810.5	840.8
55°	665.1	701.4	737.8	759.0
57.5°	602.9	637.8	668.1	680.2
60°	548.4	577.2	596.9	610.5
62.5°	490.8	512.0	527.2	534.8
65°	434.8	449.9	457.5	465.1
67.5°	377.2	390.9	395.4	404.5
70°	316.6	331.8	334.8	339.3
72.5°	271.2	271.2	277.2	283.3
75°	216.6	219.7	222.7	222.7
77.5°	169.7	169.7	172.7	174.2
80°	124.2	125.7	125.7	124.2
82.5°	84.8	87.9	84.8	83.3
85°	47.0	53.0	50.0	50.0
87.5°	19.7	19.7	22.7	19.7
90°	3.1	2.1	1.4	0.7
92.5°	14.0	10.9	7.5	5.1
95°	22.2	16.4	12.6	11.6
97.5°	27.0	21.9	18.8	18.5
100°	32.8	28.0	25.6	25.3
102.5°	39.6	35.2	33.2	32.5
105°	46.8	42.7	40.7	39.6
107.5°	54.3	50.2	48.2	47.2
110°	61.9	58.1	56.4	55.4

TEST NUMBER: P1012346

CATALOG NUMBER: S123RDIP-B1165D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	69.4	65.6	63.9	62.9
115°	76.9	73.5	71.4	70.1
117.5°	83.7	80.7	79.0	77.2
120°	90.9	87.5	85.8	84.8
122.5°	97.8	94.0	92.3	91.3
125°	103.9	100.1	98.1	97.4
127.5°	109.4	105.6	103.2	102.2
130°	114.8	110.7	107.7	106.6
132.5°	120.0	114.8	111.4	110.1
135°	124.4	119.3	115.5	114.2
137.5°	128.5	123.0	119.3	117.9
140°	132.3	126.8	123.4	121.7
142.5°	135.7	130.9	127.1	125.8
145°	139.5	134.3	131.2	130.2
147.5°	142.9	138.4	135.3	134.7
150°	146.6	142.2	139.5	139.1
152.5°	150.0	146.3	143.6	143.6
155°	153.5	150.0	148.0	148.0
157.5°	156.5	153.5	151.8	151.4
160°	159.6	156.9	155.5	155.5
162.5°	161.7	159.6	158.6	158.6
165°	163.7	162.0	161.3	161.7
167.5°	165.4	164.1	163.7	164.1
170°	166.8	165.8	165.4	166.1
172.5°	167.8	167.1	167.1	167.5
175°	168.5	167.8	168.2	168.5
177.5°	168.8	168.5	168.8	169.2
180°	168.8	168.8	168.8	168.8

(END OF REPORT)