

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: P1012706

Luminaire Tested: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012706
REPORT IS A COMBINATION OF REPORTS P993537 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

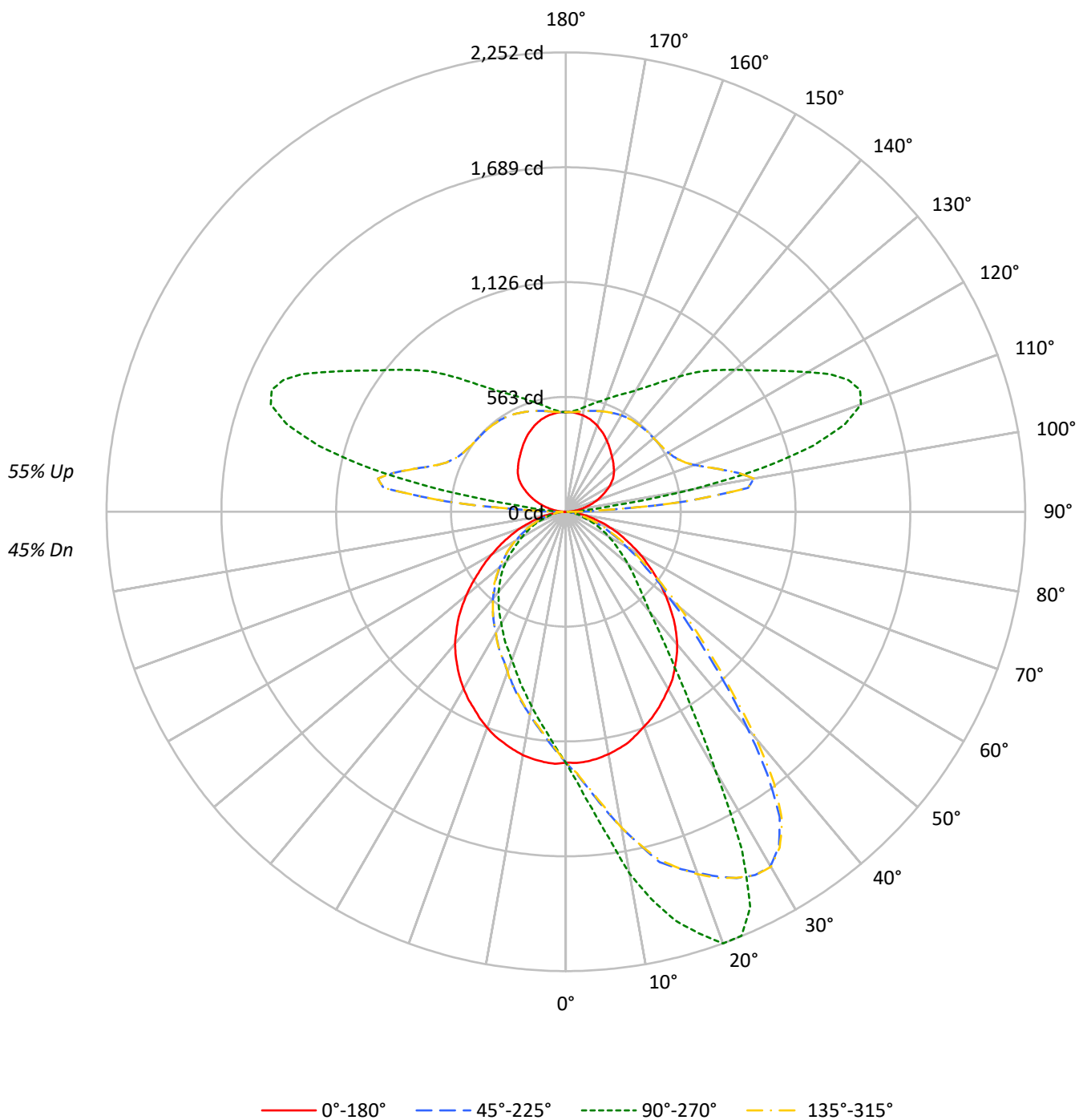
Lumens per Lamp: N/A
Luminaire Lumens: 6736.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 64.4
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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52
1	97	93	90	86	89	86	83	80	72	69	67	59	57	56	47	46	45
2	89	82	76	71	81	76	71	66	63	60	57	52	50	47	42	40	39
3	82	73	66	60	75	67	61	56	56	52	48	47	43	41	38	35	33
4	75	65	57	51	68	60	53	48	50	45	42	42	38	35	34	31	29
5	69	58	50	44	63	53	47	41	45	40	36	38	34	31	31	28	26
6	64	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23
7	59	47	39	34	54	44	37	32	37	32	28	31	27	24	26	23	21
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19
9	51	39	32	27	47	36	30	25	31	26	23	26	22	20	22	19	17
10	48	36	29	24	44	33	27	23	29	24	20	24	21	18	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13232	13232	13232	13232
5°	13242	15240	13276	11306
10°	13125	18396	13182	9875
15°	12990	20879	12990	8707
20°	12724	22521	12795	7724
25°	12529	21397	12504	7048
30°	12302	14825	12277	6387
35°	12028	9518	11974	5888
40°	11689	6721	11631	5393
45°	11098	5379	11082	4909
50°	10371	4500	10337	4344
55°	9554	3708	9478	3683
60°	8751	3065	8664	3132
65°	7810	2453	7861	2656
70°	6944	1705	7130	2146
75°	5885	1265	6124	1650
80°	4685	838	5087	1238
85°	3333	397	3640	769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 17665 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	1.8
10°-20°	377.9	5.6
20°-30°	595.2	8.8
30°-40°	618.9	9.2
40°-50°	529.5	7.9
50°-60°	403.7	6.0
60°-70°	258.6	3.8
70°-80°	123.9	1.8
80°-90°	35.3	0.5
90°-100°	264.9	3.9
100°-110°	775.6	11.5
110°-120°	757.4	11.2
120°-130°	603.2	9.0
130°-140°	475.9	7.1
140°-150°	355.0	5.3
150°-160°	247.5	3.7
160°-170°	145.4	2.2
170°-180°	47.3	0.7
0°-30°	1093.8	16.2
0°-40°	1712.7	25.4
0°-60°	2645.9	39.3
0°-90°	3063.7	45.5
90°-120°	1797.9	26.7
90°-150°	3232.0	48.0
90°-180°	3672.0	54.5
0°-180°	6736.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1229	1229	1229	1229	1229	
5°	1228	1460	1231	1083	1228	116
15°	1174	2074	1174	865	1174	330
25°	1067	2138	1065	704	1067	492
35°	931	927	927	574	931	583
45°	747	495	746	452	747	575
55°	527	310	523	308	527	472
65°	323	179	325	194	323	323
75°	155	76	161	99	155	167
85°	35	18	38	35	35	39
90°	2	29	2	29	2	4
95°	34	115	34	115	34	36
105°	115	1257	115	1257	115	122
115°	203	1529	203	1529	203	201
125°	282	1206	282	1206	282	250
135°	330	977	330	977	330	255
145°	376	764	376	764	376	236
155°	428	634	428	634	428	197
165°	467	552	467	552	467	132
175°	487	497	487	497	487	46
180°	488	488	488	488	488	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1232.4	1240.9	1247.2	1251.4	1261.9	1268.2	1273.5	1283.0	1283.0	1285.1	1289.3
5°	1228.2	1246.1	1258.8	1275.6	1297.7	1308.2	1323.0	1335.6	1353.5	1363.0	1372.4
7.5°	1218.8	1244.0	1270.3	1295.6	1328.2	1349.3	1364.0	1396.6	1419.8	1448.2	1470.3
10°	1206.1	1240.9	1274.5	1313.5	1357.7	1389.3	1411.4	1454.5	1498.7	1538.7	1572.4
12.5°	1190.3	1232.4	1280.9	1328.2	1390.3	1421.9	1457.7	1511.4	1574.5	1625.0	1670.3
15°	1173.5	1221.9	1276.7	1334.5	1412.4	1456.6	1508.2	1573.4	1644.0	1716.6	1778.7
17.5°	1147.2	1208.2	1269.3	1353.5	1445.0	1471.4	1515.6	1605.0	1692.4	1757.6	1833.4
20°	1120.9	1189.3	1266.1	1341.9	1440.8	1501.9	1542.9	1637.7	1731.3	1810.3	1882.9
22.5°	1096.7	1168.2	1248.2	1344.0	1436.6	1497.7	1549.2	1648.2	1756.6	1845.0	1934.4
25°	1067.2	1145.1	1233.5	1324.0	1436.6	1482.9	1539.8	1654.5	1769.2	1871.3	1981.8
27.5°	1035.6	1114.6	1201.9	1294.5	1397.7	1466.1	1521.9	1645.0	1785.0	1894.5	2008.1
30°	1004.1	1085.1	1169.3	1252.4	1368.2	1433.5	1497.7	1633.4	1793.4	1918.7	2006.0
32.5°	973.5	1041.9	1125.1	1206.1	1320.9	1392.4	1465.0	1621.9	1796.6	1901.8	1943.9
35°	931.4	1003.0	1070.4	1156.7	1272.4	1343.0	1428.2	1620.8	1782.9	1848.1	1827.1
37.5°	892.5	952.5	1016.7	1093.5	1212.5	1304.0	1392.4	1593.4	1737.6	1741.8	1622.9
40°	849.3	898.8	952.5	1033.5	1161.9	1252.4	1348.2	1551.3	1655.5	1593.4	1384.0
42.5°	799.9	844.1	886.2	965.1	1105.1	1206.1	1309.3	1498.7	1536.6	1393.5	1175.6
45°	747.3	783.0	822.0	905.1	1045.1	1145.1	1248.2	1417.7	1378.7	1176.7	969.3
47.5°	692.5	723.0	760.9	836.7	980.9	1083.0	1180.9	1301.9	1203.0	986.2	812.5
50°	637.8	662.0	698.8	776.7	915.7	1008.3	1098.8	1177.7	1038.8	846.2	671.5
52.5°	584.1	603.1	641.0	707.3	842.0	930.4	995.6	1026.2	885.1	698.8	583.1
55°	527.3	548.3	573.6	641.0	774.6	839.9	883.0	882.0	736.7	592.5	482.0
57.5°	472.6	491.5	513.6	581.0	689.4	733.6	770.4	752.5	614.6	485.2	413.6
60°	424.1	434.7	458.9	515.7	597.8	635.7	656.7	626.2	502.0	409.4	342.1
62.5°	371.5	382.0	402.0	455.7	506.2	526.2	544.1	505.2	414.7	333.6	292.6
65°	323.1	336.8	349.4	392.6	419.9	444.1	442.0	409.4	324.2	271.5	237.9
67.5°	281.0	286.3	296.8	323.1	335.7	353.6	354.7	317.8	261.0	221.0	201.0
70°	235.8	241.0	248.4	261.0	269.4	273.6	271.5	238.9	196.8	172.6	154.7
72.5°	196.8	195.8	201.0	201.0	209.4	208.4	202.1	176.8	149.5	129.5	118.9
75°	154.7	155.8	156.8	154.7	151.6	147.3	142.1	123.1	105.2	95.8	86.3
77.5°	121.0	118.9	120.0	112.6	108.4	104.2	96.8	87.4	72.6	70.5	66.3
80°	86.3	85.3	84.2	81.0	71.6	67.4	62.1	56.8	53.7	51.6	50.5
82.5°	57.9	57.9	55.8	49.5	44.2	41.0	40.0	37.9	34.7	34.7	33.7
85°	34.7	33.7	31.6	25.3	22.1	22.1	22.1	22.1	20.0	20.0	18.9
87.5°	13.7	12.6	9.5	9.5	8.4	8.4	8.4	7.4	7.4	6.3	6.3
90°	2.0	4.0	5.9	8.9	10.9	11.9	12.8	15.8	18.8	21.7	24.7
92.5°	14.8	21.7	31.6	40.5	50.4	59.3	68.2	99.8	152.2	203.6	183.8
95°	33.6	36.6	47.4	64.2	89.9	109.2	128.5	212.5	359.7	521.8	586.0
97.5°	53.4	54.4	63.2	78.1	103.8	125.0	146.3	229.3	400.2	673.0	901.3
100°	73.1	74.1	81.0	94.9	118.6	137.8	157.1	226.3	372.6	632.5	935.9
102.5°	93.9	95.9	101.8	114.6	135.4	152.7	170.0	230.3	348.9	573.2	871.6
105°	114.6	117.6	123.5	135.4	154.2	169.5	184.8	238.2	340.0	526.7	794.6
107.5°	136.4	139.3	145.3	157.1	174.9	189.2	203.6	251.0	338.0	493.1	726.4
110°	160.1	163.1	168.0	178.9	195.7	209.5	223.3	267.8	342.9	475.4	670.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	181.8	184.8	189.7	200.6	217.4	230.8	244.1	284.6	352.8	465.5	632.5
115°	202.6	206.5	212.5	222.4	239.2	252.5	265.8	303.4	363.7	464.5	607.8
117.5°	223.3	228.3	233.2	242.1	260.9	273.2	285.6	323.2	377.5	465.5	591.0
120°	245.1	248.1	253.0	262.9	281.7	294.0	306.4	341.9	393.3	469.4	580.1
122.5°	263.9	266.8	271.8	282.6	300.4	313.8	327.1	361.7	408.2	476.3	573.2
125°	281.7	283.6	289.6	300.4	319.2	332.5	345.9	380.5	424.0	483.3	567.3
127.5°	295.5	298.5	305.4	316.2	337.0	350.4	363.7	397.3	436.8	491.2	564.3
130°	308.3	311.3	320.2	332.1	352.8	366.2	379.5	412.1	449.7	499.1	561.3
132.5°	318.2	322.2	332.1	346.9	367.6	380.5	393.3	425.0	461.5	505.0	560.3
135°	330.1	334.0	344.9	359.7	380.5	393.8	407.2	437.8	471.4	510.9	559.4
137.5°	341.0	344.9	355.8	371.6	392.3	404.6	417.0	446.7	479.3	514.9	557.4
140°	351.8	356.8	366.6	382.5	402.2	414.6	426.9	455.6	485.2	518.8	556.4
142.5°	363.7	367.6	378.5	392.3	412.1	423.4	434.8	462.5	491.2	521.8	554.4
145°	376.5	379.5	388.4	403.2	420.0	431.4	442.7	468.4	495.1	522.8	552.4
147.5°	389.4	391.4	400.2	413.1	429.9	439.8	449.7	473.4	498.1	522.8	549.5
150°	402.2	403.2	411.1	424.0	437.8	446.7	455.6	478.3	499.1	522.8	545.5
152.5°	415.1	415.1	423.0	433.8	445.7	454.1	462.5	481.3	501.0	519.8	540.6
155°	427.9	427.9	433.8	443.7	454.6	461.5	468.4	485.2	501.0	517.8	534.6
157.5°	437.8	438.8	443.7	452.6	462.5	468.0	473.4	487.2	502.0	514.9	529.7
160°	449.7	449.7	453.6	461.5	468.4	473.4	478.3	490.2	502.0	512.9	523.8
162.5°	458.6	458.6	461.5	467.4	473.4	477.4	481.3	491.2	501.0	509.0	517.8
165°	467.4	466.5	468.4	473.4	477.3	480.8	484.2	492.2	499.1	505.0	511.9
167.5°	474.4	473.4	474.4	478.3	481.3	483.8	486.2	492.2	498.1	501.0	506.0
170°	480.3	478.3	479.3	482.3	484.2	485.2	486.2	491.2	495.1	497.1	500.1
172.5°	484.2	483.3	483.3	485.2	486.2	486.7	487.2	491.2	494.1	494.1	495.1
175°	487.2	486.2	485.2	487.2	487.2	487.7	488.2	490.2	492.2	491.2	491.2
177.5°	489.2	488.2	487.2	488.2	488.2	488.2	488.2	489.2	491.2	489.2	488.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1297.7	1297.7	1307.2	1316.6	1311.4	1314.5	1326.1	1321.9	1330.3	1329.3	1332.4
5°	1395.6	1407.2	1416.6	1436.6	1439.8	1436.6	1456.6	1461.9	1471.4	1459.8	1465.0
7.5°	1506.1	1530.3	1553.5	1582.9	1592.4	1594.5	1605.0	1619.8	1632.4	1609.2	1620.8
10°	1613.4	1650.3	1697.6	1724.0	1747.1	1755.5	1763.9	1773.4	1788.2	1801.8	1791.3
12.5°	1729.2	1782.9	1828.1	1875.5	1903.9	1900.8	1925.0	1931.3	1942.9	1946.0	1950.2
15°	1823.9	1899.7	1928.1	1998.6	2005.0	2026.0	2053.4	2077.6	2080.7	2074.4	2074.4
17.5°	1914.5	1979.7	2030.2	2087.1	2098.6	2116.5	2151.3	2162.8	2167.0	2166.0	2166.0
20°	1988.1	2031.3	2116.5	2163.9	2182.8	2206.0	2230.2	2244.9	2248.1	2252.3	2246.0
22.5°	2036.5	2101.8	2171.3	2210.2	2226.0	2234.4	2250.2	2254.4	2249.1	2250.2	2251.2
25°	2074.4	2138.6	2180.7	2191.3	2190.2	2179.7	2168.1	2148.1	2146.0	2137.6	2120.7
27.5°	2085.0	2109.2	2103.9	2060.7	2017.6	2013.4	1943.9	1906.0	1862.9	1869.2	1845.0
30°	2028.1	1996.5	1921.8	1812.4	1767.1	1693.4	1615.5	1534.5	1502.9	1468.2	1532.4
32.5°	1889.2	1776.6	1644.0	1501.9	1426.1	1360.8	1277.7	1218.8	1185.1	1156.7	1211.4
35°	1679.7	1504.0	1328.2	1193.5	1131.4	1072.5	994.6	965.1	923.0	927.2	932.5
37.5°	1410.3	1216.7	1084.0	951.4	910.4	886.2	829.3	784.1	769.4	765.1	765.1
40°	1157.7	998.8	880.9	776.7	745.2	725.2	679.9	658.8	643.1	638.9	644.1
42.5°	957.8	822.0	730.4	661.0	638.9	613.6	594.6	568.3	565.2	557.8	567.3
45°	804.1	686.2	617.8	567.3	548.3	538.9	517.8	502.0	495.7	494.7	502.0
47.5°	682.0	590.4	530.4	498.9	484.1	474.7	456.8	450.5	444.1	446.2	443.1
50°	572.5	504.1	465.2	436.8	427.3	417.8	406.3	399.9	396.8	396.8	395.7
52.5°	491.5	434.7	409.4	383.1	378.9	373.6	361.0	356.8	351.5	350.5	354.7
55°	421.0	382.0	356.8	341.0	336.8	326.3	321.0	315.7	312.6	310.5	311.5
57.5°	359.9	330.5	313.6	300.0	292.6	288.4	278.9	277.9	275.7	275.7	274.7
60°	309.4	288.4	268.4	260.0	254.7	249.4	248.4	242.1	238.9	241.0	240.0
62.5°	262.1	245.2	233.6	224.2	221.0	216.8	213.7	211.5	208.4	209.4	209.4
65°	218.9	205.2	196.8	188.4	187.3	183.1	182.1	180.0	180.0	178.9	181.0
67.5°	180.0	170.5	163.1	157.9	154.7	155.8	151.6	148.4	148.4	147.3	150.5
70°	143.1	137.9	130.5	124.2	120.0	120.0	114.7	113.7	113.7	113.7	112.6
72.5°	110.5	101.0	97.9	95.8	95.8	95.8	93.7	93.7	92.6	93.7	92.6
75°	82.1	81.0	78.9	77.9	77.9	76.8	75.8	75.8	75.8	75.8	75.8
77.5°	64.2	64.2	62.1	61.0	61.0	61.0	60.0	60.0	58.9	58.9	58.9
80°	47.4	47.4	45.3	45.3	45.3	44.2	44.2	44.2	45.3	44.2	44.2
82.5°	32.6	32.6	31.6	32.6	31.6	30.5	30.5	30.5	29.5	30.5	30.5
85°	18.9	18.9	17.9	16.8	17.9	17.9	16.8	17.9	16.8	17.9	16.8
87.5°	7.4	6.3	6.3	6.3	5.3	6.3	5.3	5.3	6.3	5.3	6.3
90°	23.7	24.7	25.7	26.7	27.7	28.7	27.7	28.7	29.6	28.7	29.6
92.5°	137.4	97.8	76.1	66.2	62.8	59.3	57.3	53.4	54.4	52.4	54.4
95°	475.4	355.8	241.1	188.8	171.0	153.2	134.4	125.5	118.6	114.6	118.6
97.5°	931.9	817.3	616.7	486.2	429.9	373.6	307.3	269.8	246.1	235.2	246.1
100°	1130.6	1165.2	1085.1	969.5	899.4	829.2	729.3	657.2	618.7	619.6	618.7
102.5°	1140.5	1280.8	1297.6	1242.2	1204.2	1166.1	1094.0	1040.6	1010.0	981.3	1010.0
105°	1078.2	1284.7	1383.6	1402.3	1389.4	1376.6	1331.2	1293.6	1262.0	1257.1	1262.0
107.5°	989.2	1225.4	1380.6	1457.7	1471.1	1484.4	1478.4	1460.6	1447.8	1436.9	1447.8
110°	906.2	1132.5	1314.4	1438.9	1473.5	1508.1	1535.8	1543.7	1541.7	1539.7	1541.7

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	834.1	1040.6	1227.4	1370.7	1417.6	1464.6	1520.9	1549.6	1559.5	1560.5	1559.5
115°	778.7	961.6	1133.5	1278.8	1332.6	1386.5	1460.6	1504.1	1523.9	1528.8	1523.9
117.5°	742.2	900.3	1052.5	1185.9	1241.8	1297.6	1374.7	1423.1	1452.7	1459.7	1452.7
120°	714.5	853.9	987.3	1105.9	1155.8	1205.7	1283.8	1339.1	1362.8	1368.7	1362.8
122.5°	691.8	817.3	934.9	1042.6	1088.0	1133.5	1200.7	1249.2	1275.8	1283.8	1275.8
125°	673.0	785.7	893.4	988.3	1027.8	1067.3	1130.6	1174.1	1198.8	1205.7	1198.8
127.5°	655.2	757.0	854.8	941.8	978.4	1014.9	1072.3	1109.8	1132.5	1138.5	1132.5
130°	641.4	730.3	819.3	899.3	932.9	966.5	1018.9	1054.5	1075.2	1083.1	1075.2
132.5°	628.5	705.6	785.7	858.8	890.4	922.0	970.5	1006.0	1023.8	1028.8	1023.8
135°	617.7	683.9	754.0	818.3	846.4	874.6	923.0	952.7	970.5	977.4	970.5
137.5°	607.8	663.1	722.4	779.7	804.9	830.1	871.6	902.3	917.1	923.0	917.1
140°	598.9	645.3	695.7	743.2	764.4	785.7	823.2	850.9	866.7	865.7	866.7
142.5°	591.0	628.5	670.0	709.6	727.4	745.1	775.8	799.5	813.3	812.4	813.3
145°	584.1	615.7	648.3	679.9	694.2	708.6	733.3	754.0	761.9	763.9	761.9
147.5°	577.1	604.8	631.5	658.2	668.6	678.9	698.7	713.5	721.4	722.4	721.4
150°	570.2	593.0	615.7	636.4	645.8	655.2	670.0	680.9	686.8	686.8	686.8
152.5°	562.3	582.1	600.9	618.7	626.1	633.5	644.3	654.2	657.2	657.2	657.2
155°	554.4	571.2	587.0	601.9	607.8	613.7	622.6	630.5	632.5	633.5	632.5
157.5°	545.5	559.4	573.2	585.1	590.0	594.9	602.8	608.8	610.7	610.7	610.7
160°	536.6	549.5	560.3	570.2	573.7	577.1	584.1	590.0	590.0	589.0	590.0
162.5°	527.7	537.6	546.5	555.4	558.3	561.3	565.3	570.2	570.2	569.2	570.2
165°	519.8	527.7	533.7	540.6	543.0	545.5	549.5	553.4	552.4	552.4	552.4
167.5°	511.9	518.8	523.8	527.7	529.7	531.7	533.7	536.6	535.6	535.6	535.6
170°	505.0	509.9	512.9	516.9	517.8	518.8	519.8	521.8	520.8	520.8	520.8
172.5°	498.1	502.0	504.0	507.0	507.5	508.0	508.0	509.9	508.0	507.0	508.0
175°	493.1	495.1	496.1	498.1	498.1	498.1	498.1	499.1	498.1	497.1	498.1
177.5°	489.2	490.2	491.2	492.2	492.2	492.2	491.2	492.2	490.2	490.2	490.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1327.2	1320.9	1316.6	1313.5	1310.3	1319.8	1307.2	1293.5	1284.0	1277.7	1275.6
5°	1466.1	1452.4	1440.8	1431.4	1433.5	1433.5	1411.4	1387.2	1366.1	1354.5	1341.9
7.5°	1627.1	1612.4	1589.2	1584.0	1579.8	1553.5	1531.4	1487.1	1460.8	1434.5	1411.4
10°	1787.1	1768.2	1746.1	1738.7	1728.2	1695.5	1661.9	1605.0	1572.4	1524.0	1493.5
12.5°	1936.6	1913.4	1891.3	1886.0	1870.2	1841.8	1783.9	1725.0	1669.2	1617.7	1564.0
15°	2061.8	2055.5	2021.8	2000.8	1966.0	1927.1	1914.5	1834.5	1763.9	1710.3	1613.4
17.5°	2167.0	2137.6	2106.0	2092.3	2078.6	2033.4	1988.1	1906.0	1830.3	1751.3	1689.2
20°	2251.2	2218.6	2196.5	2176.5	2170.2	2118.6	2047.1	1974.4	1891.3	1802.9	1721.8
22.5°	2255.5	2251.2	2236.5	2224.9	2212.3	2178.6	2121.8	2031.3	1942.9	1846.0	1739.7
25°	2168.1	2161.8	2203.9	2193.4	2201.8	2189.1	2158.6	2082.8	1979.7	1866.0	1758.7
27.5°	1905.0	1969.2	2035.5	2058.6	2074.4	2119.7	2134.4	2092.3	2009.2	1888.1	1768.2
30°	1547.1	1632.4	1739.7	1797.6	1841.8	1926.0	2035.5	2049.2	2010.2	1913.4	1766.1
32.5°	1214.6	1292.4	1378.7	1447.2	1506.1	1678.7	1826.0	1932.3	1951.3	1900.8	1771.3
35°	978.8	1012.5	1094.6	1159.8	1239.8	1387.2	1560.8	1732.4	1848.1	1854.5	1755.5
37.5°	807.2	825.1	896.7	933.5	980.9	1110.4	1272.4	1496.6	1676.6	1761.8	1711.3
40°	668.3	709.4	750.4	771.5	805.1	894.6	1050.4	1226.1	1449.3	1607.1	1642.9
42.5°	579.9	597.8	624.1	653.6	674.6	752.5	856.7	1017.7	1218.8	1438.7	1537.7
45°	511.5	517.8	545.2	564.1	586.2	641.0	714.6	849.3	1026.2	1243.0	1411.4
47.5°	454.7	467.3	482.0	493.6	508.3	550.4	613.6	711.5	867.2	1060.9	1241.9
50°	404.2	411.5	430.5	435.7	446.2	475.7	524.1	598.9	727.3	882.0	1069.3
52.5°	356.8	370.5	377.8	385.2	394.7	418.9	450.5	511.5	608.3	753.6	912.5
55°	320.0	324.2	334.7	341.0	348.4	365.2	392.6	437.8	513.6	629.4	779.9
57.5°	284.2	284.2	294.7	300.0	307.3	320.0	344.2	378.9	433.6	519.9	657.8
60°	246.3	247.3	255.8	262.1	264.2	276.8	296.8	324.2	366.3	429.4	542.0
62.5°	212.6	217.9	222.1	224.2	231.5	238.9	255.8	274.7	304.2	359.9	439.9
65°	184.2	185.2	188.4	190.5	193.7	202.1	214.7	227.3	252.6	293.6	358.9
67.5°	151.6	155.8	160.0	160.0	163.1	167.3	180.0	190.5	209.4	233.6	277.9
70°	113.7	115.8	122.1	125.2	129.5	136.8	143.1	149.5	164.2	182.1	215.8
72.5°	94.7	94.7	96.8	97.9	97.9	103.1	112.6	118.9	126.3	138.9	162.1
75°	75.8	75.8	78.9	77.9	80.0	82.1	83.1	87.4	91.6	101.0	114.7
77.5°	60.0	61.0	61.0	62.1	62.1	63.1	64.2	66.3	68.4	73.7	80.0
80°	44.2	45.3	45.3	46.3	46.3	47.4	48.4	49.5	51.6	53.7	56.8
82.5°	30.5	31.6	31.6	32.6	31.6	32.6	33.7	33.7	34.7	36.8	37.9
85°	17.9	17.9	18.9	17.9	17.9	17.9	18.9	18.9	20.0	23.2	23.2
87.5°	5.3	6.3	5.3	6.3	6.3	6.3	6.3	7.4	7.4	8.4	9.5
90°	28.7	27.7	28.7	27.7	26.7	25.7	24.7	23.7	24.7	21.7	18.8
92.5°	53.4	57.3	59.3	62.8	66.2	76.1	97.8	137.4	183.8	203.6	152.2
95°	125.5	134.4	153.2	171.0	188.8	241.1	355.8	475.4	586.0	521.8	359.7
97.5°	269.8	307.3	373.6	429.9	486.2	616.7	817.3	931.9	901.3	673.0	400.2
100°	657.2	729.3	829.2	899.4	969.5	1085.1	1165.2	1130.6	935.9	632.5	372.6
102.5°	1040.6	1094.0	1166.1	1204.2	1242.2	1297.6	1280.8	1140.5	871.6	573.2	348.9
105°	1293.6	1331.2	1376.6	1389.4	1402.3	1383.6	1284.7	1078.2	794.6	526.7	340.0
107.5°	1460.6	1478.4	1484.4	1471.1	1457.7	1380.6	1225.4	989.2	726.4	493.1	338.0
110°	1543.7	1535.8	1508.1	1473.5	1438.9	1314.4	1132.5	906.2	670.0	475.4	342.9

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1549.6	1520.9	1464.6	1417.6	1370.7	1227.4	1040.6	834.1	632.5	465.5	352.8
115°	1504.1	1460.6	1386.5	1332.6	1278.8	1133.5	961.6	778.7	607.8	464.5	363.7
117.5°	1423.1	1374.7	1297.6	1241.8	1185.9	1052.5	900.3	742.2	591.0	465.5	377.5
120°	1339.1	1283.8	1205.7	1155.8	1105.9	987.3	853.9	714.5	580.1	469.4	393.3
122.5°	1249.2	1200.7	1133.5	1088.0	1042.6	934.9	817.3	691.8	573.2	476.3	408.2
125°	1174.1	1130.6	1067.3	1027.8	988.3	893.4	785.7	673.0	567.3	483.3	424.0
127.5°	1109.8	1072.3	1014.9	978.4	941.8	854.8	757.0	655.2	564.3	491.2	436.8
130°	1054.5	1018.9	966.5	932.9	899.3	819.3	730.3	641.4	561.3	499.1	449.7
132.5°	1006.0	970.5	922.0	890.4	858.8	785.7	705.6	628.5	560.3	505.0	461.5
135°	952.7	923.0	874.6	846.4	818.3	754.0	683.9	617.7	559.4	510.9	471.4
137.5°	902.3	871.6	830.1	804.9	779.7	722.4	663.1	607.8	557.4	514.9	479.3
140°	850.9	823.2	785.7	764.4	743.2	695.7	645.3	598.9	556.4	518.8	485.2
142.5°	799.5	775.8	745.1	727.4	709.6	670.0	628.5	591.0	554.4	521.8	491.2
145°	754.0	733.3	708.6	694.2	679.9	648.3	615.7	584.1	552.4	522.8	495.1
147.5°	713.5	698.7	678.9	668.6	658.2	631.5	604.8	577.1	549.5	522.8	498.1
150°	680.9	670.0	655.2	645.8	636.4	615.7	593.0	570.2	545.5	522.8	499.1
152.5°	654.2	644.3	633.5	626.1	618.7	600.9	582.1	562.3	540.6	519.8	501.0
155°	630.5	622.6	613.7	607.8	601.9	587.0	571.2	554.4	534.6	517.8	501.0
157.5°	608.8	602.8	594.9	590.0	585.1	573.2	559.4	545.5	529.7	514.9	502.0
160°	590.0	584.1	577.1	573.7	570.2	560.3	549.5	536.6	523.8	512.9	502.0
162.5°	570.2	565.3	561.3	558.3	555.4	546.5	537.6	527.7	517.8	509.0	501.0
165°	553.4	549.5	545.5	543.0	540.6	533.7	527.7	519.8	511.9	505.0	499.1
167.5°	536.6	533.7	531.7	529.7	527.7	523.8	518.8	511.9	506.0	501.0	498.1
170°	521.8	519.8	518.8	517.8	516.9	512.9	509.9	505.0	500.1	497.1	495.1
172.5°	509.9	508.0	508.0	507.5	507.0	504.0	502.0	498.1	495.1	494.1	494.1
175°	499.1	498.1	498.1	498.1	498.1	496.1	495.1	493.1	491.2	491.2	492.2
177.5°	492.2	491.2	492.2	492.2	492.2	491.2	490.2	489.2	488.2	489.2	491.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1272.4	1267.2	1261.9	1261.9	1250.3	1239.8	1234.6	1236.7	1230.3	1221.9	1213.5
5°	1328.2	1307.2	1303.0	1291.4	1275.6	1253.5	1241.9	1231.4	1218.8	1201.9	1186.1
7.5°	1379.8	1352.4	1337.7	1326.1	1295.6	1265.1	1239.8	1223.0	1200.9	1175.6	1156.7
10°	1447.2	1396.6	1380.8	1354.5	1311.4	1268.2	1238.8	1211.4	1180.9	1151.4	1126.1
12.5°	1500.8	1442.9	1413.5	1387.2	1331.4	1276.7	1227.2	1193.5	1156.7	1124.0	1091.4
15°	1561.9	1496.6	1445.0	1413.5	1343.0	1276.7	1220.9	1173.5	1132.5	1092.5	1064.1
17.5°	1591.3	1509.2	1486.1	1440.8	1338.7	1272.4	1204.0	1153.5	1104.0	1057.7	1024.1
20°	1637.7	1541.9	1484.0	1453.5	1363.0	1265.1	1185.1	1127.2	1075.6	1026.2	990.4
22.5°	1640.8	1536.6	1498.7	1440.8	1329.3	1243.0	1168.2	1097.7	1037.7	991.4	954.6
25°	1633.4	1527.1	1474.5	1428.2	1335.6	1230.3	1134.6	1065.1	1006.2	952.5	909.3
27.5°	1630.3	1499.8	1450.3	1404.0	1299.8	1193.5	1114.6	1035.6	968.3	920.9	876.7
30°	1626.1	1470.3	1410.3	1356.6	1260.9	1165.1	1070.4	1002.0	937.8	877.8	833.6
32.5°	1598.7	1430.3	1369.3	1312.4	1209.3	1113.5	1038.8	966.2	896.7	840.9	800.9
35°	1590.3	1393.5	1313.5	1252.4	1151.4	1066.2	987.2	927.2	862.0	806.2	758.8
37.5°	1566.1	1355.6	1269.3	1191.4	1086.2	1005.1	947.2	887.2	824.1	764.1	726.2
40°	1524.0	1311.4	1213.5	1133.5	1025.1	943.0	889.3	845.1	783.0	729.4	683.1
42.5°	1461.9	1266.1	1160.9	1076.7	956.7	879.9	835.7	793.6	740.9	685.2	647.3
45°	1390.3	1206.1	1108.3	1014.6	892.5	817.8	771.5	746.2	697.8	650.4	606.2
47.5°	1292.4	1144.0	1047.2	950.4	826.2	753.6	716.7	691.5	657.8	606.2	570.4
50°	1169.3	1064.1	972.5	886.2	760.9	691.5	654.6	635.7	607.3	570.4	535.7
52.5°	1032.5	971.4	895.7	815.7	694.6	629.4	595.7	581.0	559.9	525.2	495.7
55°	894.6	868.3	816.7	737.8	625.2	571.5	542.0	523.1	507.3	482.0	456.8
57.5°	771.5	758.8	723.0	662.0	567.3	511.5	486.2	473.6	461.0	442.0	416.8
60°	644.1	657.8	621.0	590.4	504.1	455.7	433.6	419.9	413.6	396.8	381.0
62.5°	533.6	546.2	525.2	502.0	441.0	397.8	384.2	371.5	367.3	352.6	336.8
65°	433.6	449.4	433.6	421.0	384.2	348.4	331.5	325.2	321.0	311.5	298.9
67.5°	345.2	361.0	353.6	337.8	326.3	296.8	287.3	281.0	278.9	271.5	261.0
70°	260.0	282.1	284.2	274.7	264.2	250.5	244.2	242.1	236.8	230.5	224.2
72.5°	187.3	212.6	213.7	213.7	207.3	207.3	201.0	197.9	197.9	191.6	184.2
75°	137.9	154.7	156.8	158.9	162.1	165.2	161.0	161.0	160.0	153.7	150.5
77.5°	91.6	106.3	111.6	118.9	123.1	123.1	125.2	127.3	125.2	122.1	120.0
80°	58.9	69.5	75.8	80.0	86.3	89.5	92.6	93.7	91.6	90.5	87.4
82.5°	38.9	42.1	45.3	50.5	57.9	63.1	63.1	62.1	64.2	63.1	62.1
85°	22.1	24.2	25.3	26.3	30.5	35.8	36.8	37.9	40.0	37.9	35.8
87.5°	8.4	9.5	9.5	9.5	11.6	12.6	15.8	20.0	18.9	16.8	16.8
90°	15.8	12.8	11.9	10.9	8.9	5.9	4.0	2.0	4.0	5.9	8.9
92.5°	99.8	68.2	59.3	50.4	40.5	31.6	21.7	14.8	21.7	31.6	40.5
95°	212.5	128.5	109.2	89.9	64.2	47.4	36.6	33.6	36.6	47.4	64.2
97.5°	229.3	146.3	125.0	103.8	78.1	63.2	54.4	53.4	54.4	63.2	78.1
100°	226.3	157.1	137.8	118.6	94.9	81.0	74.1	73.1	74.1	81.0	94.9
102.5°	230.3	170.0	152.7	135.4	114.6	101.8	95.9	93.9	95.9	101.8	114.6
105°	238.2	184.8	169.5	154.2	135.4	123.5	117.6	114.6	117.6	123.5	135.4
107.5°	251.0	203.6	189.2	174.9	157.1	145.3	139.3	136.4	139.3	145.3	157.1
110°	267.8	223.3	209.5	195.7	178.9	168.0	163.1	160.1	163.1	168.0	178.9

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	284.6	244.1	230.8	217.4	200.6	189.7	184.8	181.8	184.8	189.7	200.6
115°	303.4	265.8	252.5	239.2	222.4	212.5	206.5	202.6	206.5	212.5	222.4
117.5°	323.2	285.6	273.2	260.9	242.1	233.2	228.3	223.3	228.3	233.2	242.1
120°	341.9	306.4	294.0	281.7	262.9	253.0	248.1	245.1	248.1	253.0	262.9
122.5°	361.7	327.1	313.8	300.4	282.6	271.8	266.8	263.9	266.8	271.8	282.6
125°	380.5	345.9	332.5	319.2	300.4	289.6	283.6	281.7	283.6	289.6	300.4
127.5°	397.3	363.7	350.4	337.0	316.2	305.4	298.5	295.5	298.5	305.4	316.2
130°	412.1	379.5	366.2	352.8	332.1	320.2	311.3	308.3	311.3	320.2	332.1
132.5°	425.0	393.3	380.5	367.6	346.9	332.1	322.2	318.2	322.2	332.1	346.9
135°	437.8	407.2	393.8	380.5	359.7	344.9	334.0	330.1	334.0	344.9	359.7
137.5°	446.7	417.0	404.6	392.3	371.6	355.8	344.9	341.0	344.9	355.8	371.6
140°	455.6	426.9	414.6	402.2	382.5	366.6	356.8	351.8	356.8	366.6	382.5
142.5°	462.5	434.8	423.4	412.1	392.3	378.5	367.6	363.7	367.6	378.5	392.3
145°	468.4	442.7	431.4	420.0	403.2	388.4	379.5	376.5	379.5	388.4	403.2
147.5°	473.4	449.7	439.8	429.9	413.1	400.2	391.4	389.4	391.4	400.2	413.1
150°	478.3	455.6	446.7	437.8	424.0	411.1	403.2	402.2	403.2	411.1	424.0
152.5°	481.3	462.5	454.1	445.7	433.8	423.0	415.1	415.1	415.1	423.0	433.8
155°	485.2	468.4	461.5	454.6	443.7	433.8	427.9	427.9	427.9	433.8	443.7
157.5°	487.2	473.4	468.0	462.5	452.6	443.7	438.8	437.8	438.8	443.7	452.6
160°	490.2	478.3	473.4	468.4	461.5	453.6	449.7	449.7	449.7	453.6	461.5
162.5°	491.2	481.3	477.4	473.4	467.4	461.5	458.6	458.6	458.6	461.5	467.4
165°	492.2	484.2	480.8	477.3	473.4	468.4	466.5	467.4	466.5	468.4	473.4
167.5°	492.2	486.2	483.8	481.3	478.3	474.4	473.4	474.4	473.4	474.4	478.3
170°	491.2	486.2	485.2	484.2	482.3	479.3	478.3	480.3	478.3	479.3	482.3
172.5°	491.2	487.2	486.7	486.2	485.2	483.3	483.3	484.2	483.3	483.3	485.2
175°	490.2	488.2	487.7	487.2	487.2	485.2	486.2	487.2	486.2	485.2	487.2
177.5°	489.2	488.2	488.2	488.2	488.2	487.2	488.2	489.2	488.2	487.2	488.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1213.5	1208.2	1206.1	1200.9	1188.2	1179.8	1170.4	1164.0	1165.1	1159.8	1163.0
5°	1175.6	1174.6	1167.2	1156.7	1138.8	1129.3	1112.5	1104.0	1099.8	1100.9	1094.6
7.5°	1144.0	1134.6	1129.3	1112.5	1095.6	1075.6	1061.9	1054.6	1048.3	1041.9	1037.7
10°	1108.3	1099.8	1091.4	1073.5	1050.4	1031.4	1012.5	1005.1	995.6	991.4	988.3
12.5°	1070.4	1065.1	1054.6	1033.5	1007.2	989.3	967.2	963.0	950.4	942.0	939.9
15°	1035.6	1032.5	1013.5	989.3	963.0	945.1	926.2	913.5	892.5	896.7	889.3
17.5°	998.8	985.1	973.5	940.9	928.3	900.9	878.8	872.5	857.8	848.3	838.8
20°	957.8	949.3	934.6	913.5	883.0	851.5	834.6	824.1	815.7	800.9	796.7
22.5°	918.8	908.3	895.7	868.3	842.0	815.7	792.5	783.0	772.5	762.0	755.7
25°	888.3	872.5	858.8	825.1	798.8	776.7	762.0	746.2	731.5	725.2	723.0
27.5°	840.9	831.5	817.8	786.2	762.0	737.8	724.1	713.6	697.8	690.4	684.1
30°	810.4	791.5	775.7	750.4	726.2	699.9	687.3	674.6	665.2	655.7	648.3
32.5°	769.4	754.6	742.0	716.7	692.5	668.3	654.6	635.7	630.4	623.1	614.6
35°	729.4	719.9	706.2	678.8	652.5	635.7	621.0	603.1	596.8	591.5	584.1
37.5°	691.5	677.8	668.3	642.0	618.9	598.9	587.3	572.5	568.3	562.0	556.8
40°	658.8	645.2	635.7	609.4	585.2	564.1	556.8	542.0	535.7	528.3	525.2
42.5°	622.0	610.4	597.8	578.9	553.6	532.6	517.8	509.4	501.0	497.8	491.5
45°	583.1	572.5	563.1	542.0	515.7	501.0	488.3	476.8	470.5	465.2	461.0
47.5°	549.4	539.9	527.3	504.1	483.1	469.4	456.8	445.2	438.9	432.6	427.3
50°	510.5	505.2	491.5	469.4	449.4	433.6	422.0	411.5	407.3	399.9	391.5
52.5°	475.7	466.2	454.7	436.8	418.9	399.9	384.2	377.8	370.5	366.3	358.9
55°	434.7	428.4	415.7	399.9	381.0	365.2	353.6	345.2	335.7	331.5	322.1
57.5°	399.9	388.4	382.0	362.1	344.2	328.4	320.0	311.5	301.0	294.7	290.5
60°	362.1	351.5	342.1	325.2	312.6	295.7	283.1	275.7	268.4	260.0	255.8
62.5°	325.2	316.8	305.2	291.5	275.7	262.1	252.6	242.1	237.9	229.4	226.3
65°	285.2	278.9	269.4	253.6	241.0	229.4	220.0	211.5	207.3	204.2	202.1
67.5°	249.4	241.0	234.7	221.0	207.3	197.9	192.6	187.3	182.1	178.9	175.8
70°	212.6	206.3	200.0	187.3	177.9	169.4	165.2	161.0	157.9	154.7	151.6
72.5°	174.7	171.6	165.2	156.8	149.5	143.1	140.0	134.7	131.6	126.3	124.2
75°	144.2	138.9	135.8	128.4	122.1	116.8	112.6	106.3	102.1	100.0	98.9
77.5°	113.7	111.6	107.4	101.0	97.9	92.6	86.3	84.2	82.1	82.1	81.0
80°	85.3	82.1	78.9	73.7	70.5	66.3	66.3	66.3	65.3	66.3	65.3
82.5°	57.9	55.8	53.7	50.5	49.5	49.5	50.5	50.5	50.5	50.5	50.5
85°	33.7	33.7	33.7	34.7	33.7	33.7	34.7	35.8	34.7	34.7	33.7
87.5°	15.8	15.8	16.8	16.8	17.9	17.9	17.9	17.9	17.9	17.9	18.9
90°	10.9	11.9	12.8	15.8	18.8	21.7	24.7	23.7	24.7	25.7	26.7
92.5°	50.4	59.3	68.2	99.8	152.2	203.6	183.8	137.4	97.8	76.1	66.2
95°	89.9	109.2	128.5	212.5	359.7	521.8	586.0	475.4	355.8	241.1	188.8
97.5°	103.8	125.0	146.3	229.3	400.2	673.0	901.3	931.9	817.3	616.7	486.2
100°	118.6	137.8	157.1	226.3	372.6	632.5	935.9	1130.6	1165.2	1085.1	969.5
102.5°	135.4	152.7	170.0	230.3	348.9	573.2	871.6	1140.5	1280.8	1297.6	1242.2
105°	154.2	169.5	184.8	238.2	340.0	526.7	794.6	1078.2	1284.7	1383.6	1402.3
107.5°	174.9	189.2	203.6	251.0	338.0	493.1	726.4	989.2	1225.4	1380.6	1457.7
110°	195.7	209.5	223.3	267.8	342.9	475.4	670.0	906.2	1132.5	1314.4	1438.9

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	217.4	230.8	244.1	284.6	352.8	465.5	632.5	834.1	1040.6	1227.4	1370.7
115°	239.2	252.5	265.8	303.4	363.7	464.5	607.8	778.7	961.6	1133.5	1278.8
117.5°	260.9	273.2	285.6	323.2	377.5	465.5	591.0	742.2	900.3	1052.5	1185.9
120°	281.7	294.0	306.4	341.9	393.3	469.4	580.1	714.5	853.9	987.3	1105.9
122.5°	300.4	313.8	327.1	361.7	408.2	476.3	573.2	691.8	817.3	934.9	1042.6
125°	319.2	332.5	345.9	380.5	424.0	483.3	567.3	673.0	785.7	893.4	988.3
127.5°	337.0	350.4	363.7	397.3	436.8	491.2	564.3	655.2	757.0	854.8	941.8
130°	352.8	366.2	379.5	412.1	449.7	499.1	561.3	641.4	730.3	819.3	899.3
132.5°	367.6	380.5	393.3	425.0	461.5	505.0	560.3	628.5	705.6	785.7	858.8
135°	380.5	393.8	407.2	437.8	471.4	510.9	559.4	617.7	683.9	754.0	818.3
137.5°	392.3	404.6	417.0	446.7	479.3	514.9	557.4	607.8	663.1	722.4	779.7
140°	402.2	414.6	426.9	455.6	485.2	518.8	556.4	598.9	645.3	695.7	743.2
142.5°	412.1	423.4	434.8	462.5	491.2	521.8	554.4	591.0	628.5	670.0	709.6
145°	420.0	431.4	442.7	468.4	495.1	522.8	552.4	584.1	615.7	648.3	679.9
147.5°	429.9	439.8	449.7	473.4	498.1	522.8	549.5	577.1	604.8	631.5	658.2
150°	437.8	446.7	455.6	478.3	499.1	522.8	545.5	570.2	593.0	615.7	636.4
152.5°	445.7	454.1	462.5	481.3	501.0	519.8	540.6	562.3	582.1	600.9	618.7
155°	454.6	461.5	468.4	485.2	501.0	517.8	534.6	554.4	571.2	587.0	601.9
157.5°	462.5	468.0	473.4	487.2	502.0	514.9	529.7	545.5	559.4	573.2	585.1
160°	468.4	473.4	478.3	490.2	502.0	512.9	523.8	536.6	549.5	560.3	570.2
162.5°	473.4	477.4	481.3	491.2	501.0	509.0	517.8	527.7	537.6	546.5	555.4
165°	477.3	480.8	484.2	492.2	499.1	505.0	511.9	519.8	527.7	533.7	540.6
167.5°	481.3	483.8	486.2	492.2	498.1	501.0	506.0	511.9	518.8	523.8	527.7
170°	484.2	485.2	486.2	491.2	495.1	497.1	500.1	505.0	509.9	512.9	516.9
172.5°	486.2	486.7	487.2	491.2	494.1	494.1	495.1	498.1	502.0	504.0	507.0
175°	487.2	487.7	488.2	490.2	492.2	491.2	491.2	493.1	495.1	496.1	498.1
177.5°	488.2	488.2	488.2	489.2	491.2	489.2	488.2	489.2	490.2	491.2	492.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1161.9	1163.0	1159.8	1153.5	1152.5	1154.6	1160.9	1158.8	1153.5	1163.0	1154.6
5°	1097.7	1092.5	1090.4	1092.5	1086.2	1083.0	1089.3	1086.2	1089.3	1090.4	1093.5
7.5°	1035.6	1036.7	1030.4	1031.4	1023.0	1025.1	1025.1	1025.1	1028.3	1030.4	1034.6
10°	982.0	984.1	976.7	977.7	971.4	967.2	970.4	976.7	976.7	976.7	978.8
12.5°	938.8	929.3	924.1	923.0	915.7	913.5	919.9	922.0	927.2	927.2	930.4
15°	885.1	883.0	878.8	878.8	860.9	865.1	867.2	874.6	885.1	876.7	878.8
17.5°	836.7	831.5	826.2	824.1	822.0	815.7	824.1	823.0	829.3	830.4	833.6
20°	793.6	789.4	778.8	779.9	782.0	772.5	777.8	777.8	784.1	790.4	797.8
22.5°	751.5	747.3	742.0	744.1	737.8	735.7	735.7	740.9	748.3	753.6	752.5
25°	718.8	711.5	708.3	705.2	702.0	704.1	700.9	706.2	711.5	714.6	711.5
27.5°	682.0	678.8	672.5	669.4	664.1	666.2	668.3	672.5	675.7	675.7	678.8
30°	646.2	642.0	639.9	636.7	636.7	632.5	633.6	637.8	641.0	644.1	648.3
32.5°	611.5	608.3	605.2	605.2	603.1	602.0	601.0	607.3	607.3	613.6	613.6
35°	583.1	577.8	577.8	572.5	574.7	573.6	571.5	575.7	576.8	581.0	579.9
37.5°	551.5	551.5	549.4	544.1	539.9	541.0	546.2	546.2	549.4	548.3	551.5
40°	519.9	517.8	517.8	514.7	513.6	512.6	513.6	514.7	519.9	518.9	519.9
42.5°	488.3	489.4	484.1	484.1	484.1	481.0	482.0	483.1	485.2	487.3	490.5
45°	457.8	455.7	454.7	452.6	450.5	451.5	450.5	454.7	453.6	455.7	458.9
47.5°	425.2	422.0	421.0	416.8	416.8	418.9	417.8	421.0	422.0	425.2	423.1
50°	393.6	389.4	386.3	387.3	381.0	383.1	383.1	386.3	389.4	390.5	392.6
52.5°	356.8	355.7	354.7	349.4	348.4	347.3	348.4	349.4	353.6	356.8	357.8
55°	321.0	320.0	313.6	311.5	308.4	308.4	310.5	311.5	318.9	320.0	324.2
57.5°	288.4	285.2	277.9	276.8	276.8	276.8	273.6	277.9	280.0	285.2	285.2
60°	252.6	252.6	246.3	246.3	247.3	246.3	246.3	247.3	247.3	251.5	253.6
62.5°	224.2	223.1	223.1	221.0	220.0	221.0	220.0	220.0	221.0	224.2	227.3
65°	198.9	197.9	196.8	195.8	193.7	193.7	194.7	196.8	196.8	198.9	200.0
67.5°	174.7	174.7	172.6	172.6	171.6	170.5	171.6	170.5	174.7	174.7	175.8
70°	150.5	149.5	146.3	145.2	142.1	143.1	143.1	146.3	147.3	149.5	151.6
72.5°	121.0	121.0	118.9	116.8	117.9	115.8	115.8	116.8	116.8	120.0	121.0
75°	100.0	97.9	96.8	97.9	96.8	98.9	96.8	96.8	98.9	98.9	98.9
77.5°	82.1	82.1	81.0	81.0	82.1	81.0	82.1	82.1	82.1	81.0	82.1
80°	67.4	66.3	66.3	66.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
82.5°	50.5	50.5	49.5	50.5	50.5	49.5	50.5	49.5	49.5	50.5	50.5
85°	33.7	35.8	33.7	33.7	34.7	34.7	35.8	34.7	35.8	33.7	34.7
87.5°	17.9	18.9	18.9	17.9	17.9	18.9	18.9	18.9	20.0	17.9	18.9
90°	27.7	28.7	27.7	28.7	29.6	28.7	29.6	28.7	27.7	28.7	27.7
92.5°	62.8	59.3	57.3	53.4	54.4	52.4	54.4	53.4	57.3	59.3	62.8
95°	171.0	153.2	134.4	125.5	118.6	114.6	118.6	125.5	134.4	153.2	171.0
97.5°	429.9	373.6	307.3	269.8	246.1	235.2	246.1	269.8	307.3	373.6	429.9
100°	899.4	829.2	729.3	657.2	618.7	619.6	618.7	657.2	729.3	829.2	899.4
102.5°	1204.2	1166.1	1094.0	1040.6	1010.0	981.3	1010.0	1040.6	1094.0	1166.1	1204.2
105°	1389.4	1376.6	1331.2	1293.6	1262.0	1257.1	1262.0	1293.6	1331.2	1376.6	1389.4
107.5°	1471.1	1484.4	1478.4	1460.6	1447.8	1436.9	1447.8	1460.6	1478.4	1484.4	1471.1
110°	1473.5	1508.1	1535.8	1543.7	1541.7	1539.7	1541.7	1543.7	1535.8	1508.1	1473.5

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1417.6	1464.6	1520.9	1549.6	1559.5	1560.5	1559.5	1549.6	1520.9	1464.6	1417.6
115°	1332.6	1386.5	1460.6	1504.1	1523.9	1528.8	1523.9	1504.1	1460.6	1386.5	1332.6
117.5°	1241.8	1297.6	1374.7	1423.1	1452.7	1459.7	1452.7	1423.1	1374.7	1297.6	1241.8
120°	1155.8	1205.7	1283.8	1339.1	1362.8	1368.7	1362.8	1339.1	1283.8	1205.7	1155.8
122.5°	1088.0	1133.5	1200.7	1249.2	1275.8	1283.8	1275.8	1249.2	1200.7	1133.5	1088.0
125°	1027.8	1067.3	1130.6	1174.1	1198.8	1205.7	1198.8	1174.1	1130.6	1067.3	1027.8
127.5°	978.4	1014.9	1072.3	1109.8	1132.5	1138.5	1132.5	1109.8	1072.3	1014.9	978.4
130°	932.9	966.5	1018.9	1054.5	1075.2	1083.1	1075.2	1054.5	1018.9	966.5	932.9
132.5°	890.4	922.0	970.5	1006.0	1023.8	1028.8	1023.8	1006.0	970.5	922.0	890.4
135°	846.4	874.6	923.0	952.7	970.5	977.4	970.5	952.7	923.0	874.6	846.4
137.5°	804.9	830.1	871.6	902.3	917.1	923.0	917.1	902.3	871.6	830.1	804.9
140°	764.4	785.7	823.2	850.9	866.7	865.7	866.7	850.9	823.2	785.7	764.4
142.5°	727.4	745.1	775.8	799.5	813.3	812.4	813.3	799.5	775.8	745.1	727.4
145°	694.2	708.6	733.3	754.0	761.9	763.9	761.9	754.0	733.3	708.6	694.2
147.5°	668.6	678.9	698.7	713.5	721.4	722.4	721.4	713.5	698.7	678.9	668.6
150°	645.8	655.2	670.0	680.9	686.8	686.8	686.8	680.9	670.0	655.2	645.8
152.5°	626.1	633.5	644.3	654.2	657.2	657.2	657.2	654.2	644.3	633.5	626.1
155°	607.8	613.7	622.6	630.5	632.5	633.5	632.5	630.5	622.6	613.7	607.8
157.5°	590.0	594.9	602.8	608.8	610.7	610.7	610.7	608.8	602.8	594.9	590.0
160°	573.7	577.1	584.1	590.0	590.0	589.0	590.0	590.0	584.1	577.1	573.7
162.5°	558.3	561.3	565.3	570.2	570.2	569.2	570.2	570.2	565.3	561.3	558.3
165°	543.0	545.5	549.5	553.4	552.4	552.4	552.4	553.4	549.5	545.5	543.0
167.5°	529.7	531.7	533.7	536.6	535.6	535.6	535.6	536.6	533.7	531.7	529.7
170°	517.8	518.8	519.8	521.8	520.8	520.8	520.8	521.8	519.8	518.8	517.8
172.5°	507.5	508.0	508.0	509.9	508.0	507.0	508.0	509.9	508.0	508.0	507.5
175°	498.1	498.1	498.1	499.1	498.1	497.1	498.1	499.1	498.1	498.1	498.1
177.5°	492.2	492.2	491.2	492.2	490.2	490.2	490.2	492.2	491.2	492.2	492.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3	1229.3
2.5°	1163.0	1167.2	1163.0	1154.6	1163.0	1168.2	1173.5	1181.9	1186.1	1186.1	1192.5
5°	1096.7	1105.1	1101.9	1099.8	1108.3	1113.5	1121.9	1132.5	1144.0	1151.4	1159.8
7.5°	1037.7	1043.0	1048.3	1048.3	1056.7	1068.3	1080.9	1093.5	1108.3	1118.8	1125.1
10°	986.2	990.4	993.5	997.7	1010.4	1023.0	1039.8	1055.6	1068.3	1079.8	1090.4
12.5°	936.7	943.0	950.4	953.5	963.0	978.8	994.6	1013.5	1033.5	1045.1	1055.6
15°	889.3	892.5	900.9	910.4	918.8	935.6	955.6	975.6	992.5	1010.4	1019.8
17.5°	840.9	842.0	864.1	858.8	886.2	902.0	912.5	931.4	958.8	973.5	988.3
20°	793.6	804.1	813.6	818.8	833.6	851.5	882.0	896.7	918.8	932.5	945.1
22.5°	756.7	772.5	772.5	785.1	792.5	809.4	831.5	859.9	884.1	893.6	911.4
25°	724.1	731.5	744.1	748.3	762.0	776.7	791.5	822.0	848.3	860.9	873.6
27.5°	682.0	691.5	708.3	708.3	726.2	742.0	759.9	779.9	806.2	824.1	837.8
30°	649.4	658.8	666.2	677.8	685.2	699.9	731.5	746.2	769.4	785.1	802.0
32.5°	618.9	626.2	632.5	645.2	653.6	670.4	687.3	713.6	733.6	748.3	766.2
35°	585.2	592.5	601.0	610.4	623.1	638.9	654.6	676.7	696.7	710.4	725.2
37.5°	553.6	558.9	571.5	577.8	588.3	603.1	623.1	646.2	664.1	674.6	689.4
40°	523.1	527.3	536.8	548.3	555.7	567.3	588.3	608.3	630.4	643.1	654.6
42.5°	490.5	495.7	504.1	515.7	527.3	539.9	551.5	574.7	594.6	605.2	617.8
45°	462.0	465.2	471.5	483.1	494.7	504.1	522.0	543.1	562.0	570.4	584.1
47.5°	428.4	431.5	441.0	446.2	458.9	471.5	489.4	510.5	527.3	535.7	548.3
50°	393.6	396.8	403.1	414.7	423.1	436.8	452.6	470.5	491.5	503.1	510.5
52.5°	359.9	366.3	371.5	381.0	391.5	405.2	419.9	436.8	454.7	466.2	474.7
55°	326.3	331.5	337.8	343.1	355.7	368.4	385.2	401.0	416.8	427.3	436.8
57.5°	288.4	295.7	302.1	312.6	322.1	332.6	351.5	364.2	383.1	390.5	398.9
60°	255.8	263.1	268.4	276.8	285.2	298.9	311.5	327.3	343.1	352.6	363.1
62.5°	228.4	231.5	234.7	243.1	251.5	264.2	276.8	292.6	309.4	314.7	323.1
65°	201.0	204.2	209.4	216.8	223.1	230.5	244.2	256.8	272.6	281.0	284.2
67.5°	177.9	181.0	182.1	187.3	192.6	201.0	208.4	221.0	235.8	241.0	247.3
70°	151.6	156.8	157.9	162.1	164.2	169.4	177.9	187.3	198.9	208.4	213.7
72.5°	121.0	128.4	130.5	136.8	140.0	145.2	151.6	158.9	166.3	170.5	174.7
75°	98.9	101.0	102.1	107.4	112.6	120.0	123.1	127.3	133.7	138.9	143.1
77.5°	82.1	83.1	84.2	84.2	85.3	89.5	95.8	101.0	105.2	107.4	110.5
80°	66.3	65.3	65.3	66.3	66.3	66.3	68.4	75.8	77.9	83.1	82.1
82.5°	51.6	49.5	50.5	49.5	49.5	49.5	49.5	50.5	50.5	53.7	55.8
85°	33.7	34.7	33.7	33.7	32.6	33.7	32.6	32.6	31.6	31.6	30.5
87.5°	17.9	18.9	17.9	17.9	16.8	17.9	16.8	16.8	15.8	15.8	13.7
90°	26.7	25.7	24.7	23.7	24.7	21.7	18.8	15.8	12.8	11.9	10.9
92.5°	66.2	76.1	97.8	137.4	183.8	203.6	152.2	99.8	68.2	59.3	50.4
95°	188.8	241.1	355.8	475.4	586.0	521.8	359.7	212.5	128.5	109.2	89.9
97.5°	486.2	616.7	817.3	931.9	901.3	673.0	400.2	229.3	146.3	125.0	103.8
100°	969.5	1085.1	1165.2	1130.6	935.9	632.5	372.6	226.3	157.1	137.8	118.6
102.5°	1242.2	1297.6	1280.8	1140.5	871.6	573.2	348.9	230.3	170.0	152.7	135.4
105°	1402.3	1383.6	1284.7	1078.2	794.6	526.7	340.0	238.2	184.8	169.5	154.2
107.5°	1457.7	1380.6	1225.4	989.2	726.4	493.1	338.0	251.0	203.6	189.2	174.9
110°	1438.9	1314.4	1132.5	906.2	670.0	475.4	342.9	267.8	223.3	209.5	195.7

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1370.7	1227.4	1040.6	834.1	632.5	465.5	352.8	284.6	244.1	230.8	217.4
115°	1278.8	1133.5	961.6	778.7	607.8	464.5	363.7	303.4	265.8	252.5	239.2
117.5°	1185.9	1052.5	900.3	742.2	591.0	465.5	377.5	323.2	285.6	273.2	260.9
120°	1105.9	987.3	853.9	714.5	580.1	469.4	393.3	341.9	306.4	294.0	281.7
122.5°	1042.6	934.9	817.3	691.8	573.2	476.3	408.2	361.7	327.1	313.8	300.4
125°	988.3	893.4	785.7	673.0	567.3	483.3	424.0	380.5	345.9	332.5	319.2
127.5°	941.8	854.8	757.0	655.2	564.3	491.2	436.8	397.3	363.7	350.4	337.0
130°	899.3	819.3	730.3	641.4	561.3	499.1	449.7	412.1	379.5	366.2	352.8
132.5°	858.8	785.7	705.6	628.5	560.3	505.0	461.5	425.0	393.3	380.5	367.6
135°	818.3	754.0	683.9	617.7	559.4	510.9	471.4	437.8	407.2	393.8	380.5
137.5°	779.7	722.4	663.1	607.8	557.4	514.9	479.3	446.7	417.0	404.6	392.3
140°	743.2	695.7	645.3	598.9	556.4	518.8	485.2	455.6	426.9	414.6	402.2
142.5°	709.6	670.0	628.5	591.0	554.4	521.8	491.2	462.5	434.8	423.4	412.1
145°	679.9	648.3	615.7	584.1	552.4	522.8	495.1	468.4	442.7	431.4	420.0
147.5°	658.2	631.5	604.8	577.1	549.5	522.8	498.1	473.4	449.7	439.8	429.9
150°	636.4	615.7	593.0	570.2	545.5	522.8	499.1	478.3	455.6	446.7	437.8
152.5°	618.7	600.9	582.1	562.3	540.6	519.8	501.0	481.3	462.5	454.1	445.7
155°	601.9	587.0	571.2	554.4	534.6	517.8	501.0	485.2	468.4	461.5	454.6
157.5°	585.1	573.2	559.4	545.5	529.7	514.9	502.0	487.2	473.4	468.0	462.5
160°	570.2	560.3	549.5	536.6	523.8	512.9	502.0	490.2	478.3	473.4	468.4
162.5°	555.4	546.5	537.6	527.7	517.8	509.0	501.0	491.2	481.3	477.4	473.4
165°	540.6	533.7	527.7	519.8	511.9	505.0	499.1	492.2	484.2	480.8	477.3
167.5°	527.7	523.8	518.8	511.9	506.0	501.0	498.1	492.2	486.2	483.8	481.3
170°	516.9	512.9	509.9	505.0	500.1	497.1	495.1	491.2	486.2	485.2	484.2
172.5°	507.0	504.0	502.0	498.1	495.1	494.1	494.1	491.2	487.2	486.7	486.2
175°	498.1	496.1	495.1	493.1	491.2	491.2	492.2	490.2	488.2	487.7	487.2
177.5°	492.2	491.2	490.2	489.2	488.2	489.2	491.2	489.2	488.2	488.2	488.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1229.3	1229.3	1229.3	1229.3
2.5°	1197.7	1205.1	1219.8	1232.4
5°	1172.5	1184.0	1206.1	1228.2
7.5°	1141.9	1159.8	1188.2	1218.8
10°	1112.5	1135.6	1170.4	1206.1
12.5°	1083.0	1107.2	1144.0	1190.3
15°	1048.3	1073.5	1117.7	1173.5
17.5°	1017.7	1051.4	1091.4	1147.2
20°	985.1	1010.4	1061.9	1120.9
22.5°	944.1	986.2	1034.6	1096.7
25°	911.4	948.3	996.7	1067.2
27.5°	871.4	914.6	973.5	1035.6
30°	838.8	874.6	929.3	1004.1
32.5°	800.9	843.0	899.9	973.5
35°	767.3	803.0	856.7	931.4
37.5°	727.3	766.2	826.2	892.5
40°	692.5	730.4	787.3	849.3
42.5°	650.4	690.4	747.3	799.9
45°	616.7	653.6	698.8	747.3
47.5°	575.7	614.6	658.8	692.5
50°	538.9	574.7	609.4	637.8
52.5°	498.9	531.5	563.1	584.1
55°	462.0	487.3	512.6	527.3
57.5°	418.9	443.1	464.1	472.6
60°	381.0	401.0	414.7	424.1
62.5°	341.0	355.7	366.3	371.5
65°	302.1	312.6	317.8	323.1
67.5°	262.1	271.5	274.7	281.0
70°	220.0	230.5	232.6	235.8
72.5°	188.4	188.4	192.6	196.8
75°	150.5	152.6	154.7	154.7
77.5°	117.9	117.9	120.0	121.0
80°	86.3	87.4	87.4	86.3
82.5°	58.9	61.0	58.9	57.9
85°	32.6	36.8	34.7	34.7
87.5°	13.7	13.7	15.8	13.7
90°	8.9	5.9	4.0	2.0
92.5°	40.5	31.6	21.7	14.8
95°	64.2	47.4	36.6	33.6
97.5°	78.1	63.2	54.4	53.4
100°	94.9	81.0	74.1	73.1
102.5°	114.6	101.8	95.9	93.9
105°	135.4	123.5	117.6	114.6
107.5°	157.1	145.3	139.3	136.4
110°	178.9	168.0	163.1	160.1



TEST NUMBER: P1012706

CATALOG NUMBER: S123RDIP-B775D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	200.6	189.7	184.8	181.8
115°	222.4	212.5	206.5	202.6
117.5°	242.1	233.2	228.3	223.3
120°	262.9	253.0	248.1	245.1
122.5°	282.6	271.8	266.8	263.9
125°	300.4	289.6	283.6	281.7
127.5°	316.2	305.4	298.5	295.5
130°	332.1	320.2	311.3	308.3
132.5°	346.9	332.1	322.2	318.2
135°	359.7	344.9	334.0	330.1
137.5°	371.6	355.8	344.9	341.0
140°	382.5	366.6	356.8	351.8
142.5°	392.3	378.5	367.6	363.7
145°	403.2	388.4	379.5	376.5
147.5°	413.1	400.2	391.4	389.4
150°	424.0	411.1	403.2	402.2
152.5°	433.8	423.0	415.1	415.1
155°	443.7	433.8	427.9	427.9
157.5°	452.6	443.7	438.8	437.8
160°	461.5	453.6	449.7	449.7
162.5°	467.4	461.5	458.6	458.6
165°	473.4	468.4	466.5	467.4
167.5°	478.3	474.4	473.4	474.4
170°	482.3	479.3	478.3	480.3
172.5°	485.2	483.3	483.3	484.2
175°	487.2	485.2	486.2	487.2
177.5°	488.2	487.2	488.2	489.2
180°	488.2	488.2	488.2	488.2

(END OF REPORT)