

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: P1012560

Luminaire Tested: S123RDIP-B560D1025UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012560
REPORT IS A COMBINATION OF REPORTS P993337 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B560D1025UB30-4F0-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

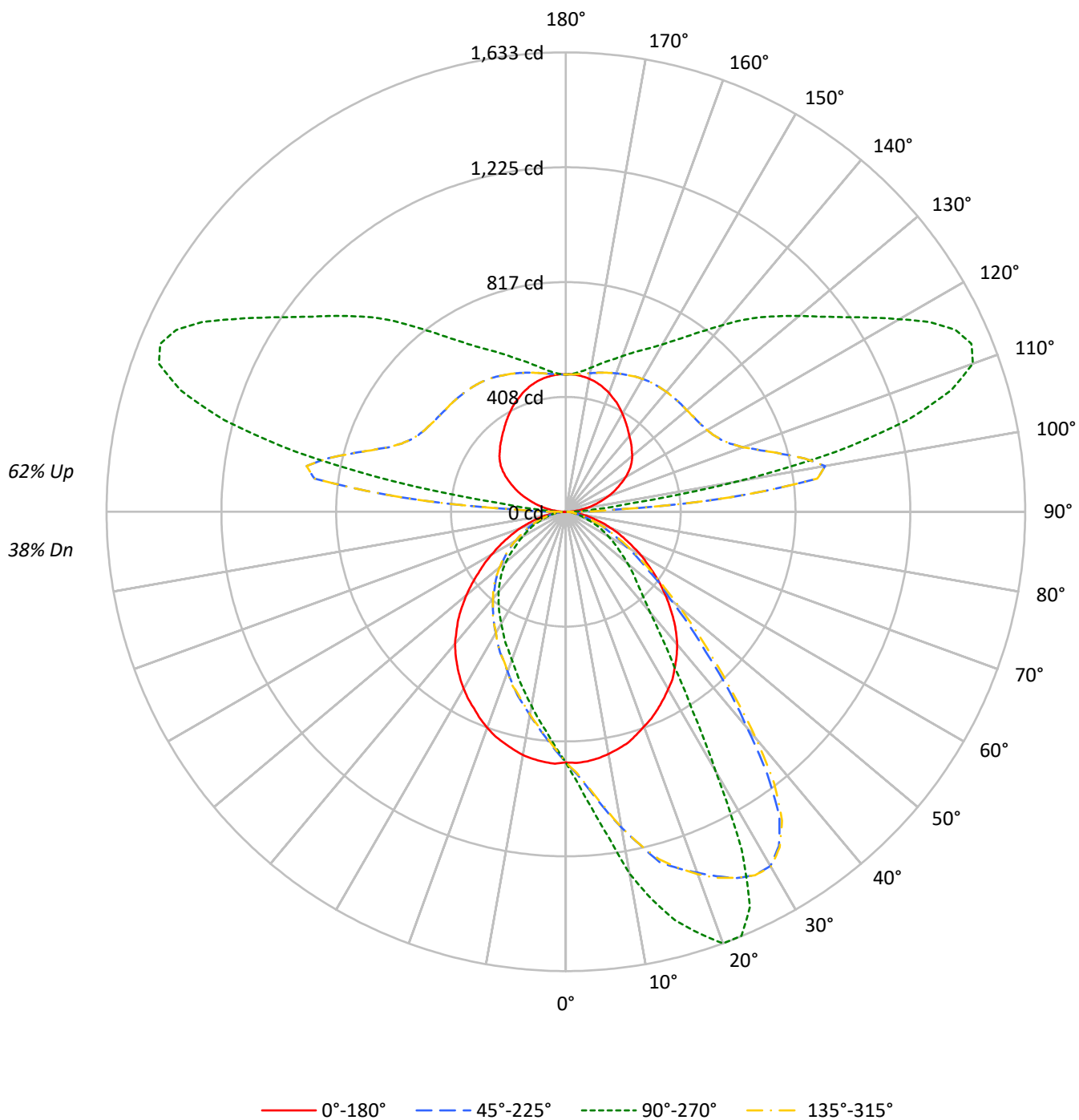
Lumens per Lamp: N/A
Luminaire Lumens: 5894.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 52.5
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	50	30	10
RCR																				
0	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45	33	33	33
1	95	91	88	84	87	83	80	77	68	66	64	53	52	51	40	39	39	33	33	33
2	87	80	75	70	79	73	68	64	60	56	53	47	45	43	36	35	33	28	28	28
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29	24	24	24
4	73	63	55	50	66	58	51	46	47	43	39	38	35	32	29	27	25	21	21	21
5	67	56	49	43	61	51	45	40	43	38	34	34	31	28	26	24	22	19	19	19
6	62	51	43	37	56	46	40	35	38	33	30	31	27	25	24	22	20	17	17	17
7	57	46	38	33	52	42	35	30	35	30	26	28	25	22	22	20	18	15	15	15
8	53	41	34	29	48	38	32	27	32	27	23	26	22	20	20	18	16	13	13	13
9	50	38	31	26	45	35	28	24	29	24	21	24	20	18	19	16	14	12	12	12
10	46	35	28	23	42	32	26	22	27	22	19	22	18	16	17	15	13	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9592	9592	9592	9592
5°	9600	11047	9625	8196
10°	9515	13336	9557	7159
15°	9417	15136	9417	6313
20°	9224	16325	9275	5599
25°	9082	15511	9064	5109
30°	8918	10746	8899	4630
35°	8720	6900	8681	4268
40°	8474	4872	8432	3909
45°	8045	3899	8033	3559
50°	7519	3261	7493	3149
55°	6925	2688	6871	2669
60°	6345	2222	6281	2270
65°	5661	1778	5700	1925
70°	5033	1235	5168	1556
75°	4268	916	4439	1196
80°	3399	607	3686	897
85°	2421	288	2641	559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 12806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.5	1.5
10°-20°	274.0	4.6
20°-30°	431.5	7.3
30°-40°	448.7	7.6
40°-50°	383.8	6.5
50°-60°	292.6	5.0
60°-70°	187.5	3.2
70°-80°	89.8	1.5
80°-90°	26.3	0.4
90°-100°	264.9	4.5
100°-110°	775.6	13.2
110°-120°	757.4	12.9
120°-130°	603.2	10.2
130°-140°	475.9	8.1
140°-150°	355.0	6.0
150°-160°	247.5	4.2
160°-170°	145.4	2.5
170°-180°	47.3	0.8
0°-30°	792.9	13.5
0°-40°	1241.6	21.1
0°-60°	1918.1	32.5
0°-90°	2221.7	37.7
90°-120°	1797.9	30.5
90°-150°	3232.0	54.8
90°-180°	3672.0	62.3
0°-180°	5894.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	891	891	891	891	891	
5°	890	1058	893	785	890	84
15°	851	1504	851	627	851	239
25°	774	1550	772	510	774	356
35°	675	672	672	416	675	423
45°	542	359	541	327	542	417
55°	382	225	379	224	382	343
65°	234	130	236	140	234	234
75°	112	55	117	72	112	121
85°	25	13	28	25	25	28
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°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	893.4	899.5	904.1	907.2	914.8	919.4	923.2	930.1	930.1	931.6	934.6
5°	890.4	903.4	912.5	924.7	940.7	948.4	959.0	968.2	981.2	988.0	994.9
7.5°	883.5	901.8	920.9	939.2	962.9	978.1	988.8	1012.5	1029.2	1049.8	1065.9
10°	874.4	899.5	924.0	952.2	984.2	1007.1	1023.1	1054.4	1086.5	1115.5	1139.9
12.5°	862.9	893.4	928.5	962.9	1007.9	1030.8	1056.7	1095.6	1141.4	1178.0	1210.8
15°	850.7	885.8	925.5	967.4	1023.9	1055.9	1093.3	1140.6	1191.8	1244.4	1289.4
17.5°	831.6	875.9	920.1	981.2	1047.6	1066.6	1098.7	1163.5	1226.9	1274.2	1329.1
20°	812.6	862.2	917.8	972.8	1044.5	1088.8	1118.5	1187.2	1255.1	1312.3	1364.9
22.5°	795.0	846.9	904.9	974.3	1041.4	1085.7	1123.1	1194.8	1273.4	1337.5	1402.3
25°	773.6	830.1	894.2	959.8	1041.4	1075.0	1116.2	1199.4	1282.5	1356.6	1436.7
27.5°	750.8	808.0	871.3	938.4	1013.2	1062.8	1103.2	1192.5	1294.0	1373.3	1455.7
30°	727.9	786.6	847.7	907.9	991.9	1039.2	1085.7	1184.1	1300.1	1390.9	1454.2
32.5°	705.7	755.3	815.6	874.4	957.5	1009.4	1062.0	1175.7	1302.4	1378.7	1409.2
35°	675.2	727.1	775.9	838.5	922.4	973.5	1035.3	1175.0	1292.5	1339.8	1324.5
37.5°	647.0	690.5	737.0	792.7	878.9	945.3	1009.4	1155.1	1259.7	1262.7	1176.5
40°	615.7	651.6	690.5	749.2	842.3	907.9	977.4	1124.6	1200.1	1155.1	1003.3
42.5°	579.9	611.9	642.4	699.6	801.1	874.4	949.1	1086.5	1113.9	1010.2	852.2
45°	541.7	567.6	595.9	656.2	757.6	830.1	904.9	1027.7	999.5	853.0	702.7
47.5°	502.0	524.2	551.6	606.6	711.1	785.1	856.0	943.8	872.1	714.9	589.0
50°	462.4	479.9	506.6	563.1	663.8	730.9	796.5	853.8	753.0	613.4	486.8
52.5°	423.4	437.2	464.6	512.7	610.4	674.5	721.8	743.9	641.7	506.6	422.7
55°	382.2	397.5	415.8	464.6	561.5	608.8	640.1	639.4	534.1	429.6	349.4
57.5°	342.6	356.3	372.3	421.2	499.7	531.8	558.5	545.5	445.6	351.7	299.8
60°	307.5	315.1	332.7	373.9	433.4	460.8	476.1	454.0	363.9	296.8	248.0
62.5°	269.3	277.0	291.5	330.4	367.0	381.5	394.5	366.2	300.6	241.9	212.1
65°	234.2	244.1	253.3	284.6	304.4	322.0	320.4	296.8	235.0	196.8	172.4
67.5°	203.7	207.5	215.2	234.2	243.4	256.4	257.1	230.4	189.2	160.2	145.7
70°	170.9	174.7	180.1	189.2	195.3	198.4	196.8	173.2	142.7	125.1	112.2
72.5°	142.7	141.9	145.7	145.7	151.8	151.1	146.5	128.2	108.3	93.8	86.2
75°	112.2	112.9	113.7	112.2	109.9	106.8	103.0	89.3	76.3	69.4	62.6
77.5°	87.7	86.2	87.0	81.6	78.6	75.5	70.2	63.3	52.6	51.1	48.1
80°	62.6	61.8	61.0	58.7	51.9	48.8	45.0	41.2	38.9	37.4	36.6
82.5°	42.0	42.0	40.4	35.9	32.0	29.8	29.0	27.5	25.2	25.2	24.4
85°	25.2	24.4	22.9	18.3	16.0	16.0	16.0	16.0	14.5	14.5	13.7
87.5°	9.9	9.2	6.9	6.9	6.1	6.1	6.1	5.3	5.3	4.6	4.6
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°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	940.7	940.7	947.6	954.5	950.7	952.9	961.3	958.3	964.4	963.6	965.9
5°	1011.7	1020.1	1027.0	1041.4	1043.7	1041.4	1055.9	1059.8	1066.6	1058.2	1062.0
7.5°	1091.8	1109.4	1126.1	1147.5	1154.4	1155.9	1163.5	1174.2	1183.4	1166.6	1175.0
10°	1169.6	1196.3	1230.7	1249.7	1266.5	1272.6	1278.7	1285.6	1296.3	1306.2	1298.6
12.5°	1253.6	1292.5	1325.3	1359.6	1380.2	1377.9	1395.5	1400.0	1408.4	1410.7	1413.8
15°	1322.2	1377.2	1397.8	1448.9	1453.5	1468.7	1488.5	1506.1	1508.4	1503.8	1503.8
17.5°	1387.8	1435.1	1471.8	1513.0	1521.4	1534.3	1559.5	1567.9	1570.9	1570.2	1570.2
20°	1441.2	1472.5	1534.3	1568.7	1582.4	1599.2	1616.7	1627.4	1629.7	1632.7	1628.2
22.5°	1476.3	1523.6	1574.0	1602.2	1613.7	1619.8	1631.2	1634.3	1630.5	1631.2	1632.0
25°	1503.8	1550.3	1580.9	1588.5	1587.7	1580.1	1571.7	1557.2	1555.7	1549.6	1537.4
27.5°	1511.4	1529.0	1525.2	1493.9	1462.6	1459.6	1409.2	1381.7	1350.5	1355.0	1337.5
30°	1470.2	1447.3	1393.2	1313.8	1281.0	1227.6	1171.2	1112.4	1089.5	1064.3	1110.9
32.5°	1369.5	1287.9	1191.8	1088.8	1033.8	986.5	926.2	883.5	859.1	838.5	878.2
35°	1217.7	1090.3	962.9	865.2	820.2	777.5	721.0	699.6	669.1	672.2	676.0
37.5°	1022.4	882.0	785.9	689.7	660.0	642.4	601.2	568.4	557.7	554.7	554.7
40°	839.3	724.1	638.6	563.1	540.2	525.7	492.9	477.6	466.2	463.1	466.9
42.5°	694.3	595.9	529.5	479.1	463.1	444.8	431.1	412.0	409.7	404.4	411.2
45°	582.9	497.5	447.9	411.2	397.5	390.6	375.4	363.9	359.4	358.6	363.9
47.5°	494.4	428.0	384.5	361.6	351.0	344.1	331.1	326.5	322.0	323.5	321.2
50°	415.1	365.5	337.2	316.6	309.8	302.9	294.5	289.9	287.6	287.6	286.9
52.5°	356.3	315.1	296.8	277.7	274.7	270.9	261.7	258.6	254.8	254.1	257.1
55°	305.2	277.0	258.6	247.2	244.1	236.5	232.7	228.9	226.6	225.1	225.8
57.5°	260.9	239.6	227.4	217.4	212.1	209.1	202.2	201.4	199.9	199.9	199.1
60°	224.3	209.1	194.6	188.5	184.6	180.8	180.1	175.5	173.2	174.7	174.0
62.5°	190.0	177.8	169.4	162.5	160.2	157.2	154.9	153.4	151.1	151.8	151.8
65°	158.7	148.8	142.7	136.6	135.8	132.8	132.0	130.5	130.5	129.7	131.2
67.5°	130.5	123.6	118.3	114.4	112.2	112.9	109.9	107.6	107.6	106.8	109.1
70°	103.8	99.9	94.6	90.0	87.0	87.0	83.2	82.4	82.4	82.4	81.6
72.5°	80.1	73.2	71.0	69.4	69.4	69.4	67.9	67.9	67.1	67.9	67.1
75°	59.5	58.7	57.2	56.5	56.5	55.7	54.9	54.9	54.9	54.9	54.9
77.5°	46.5	46.5	45.0	44.3	44.3	44.3	43.5	43.5	42.7	42.7	42.7
80°	34.3	34.3	32.8	32.8	32.8	32.0	32.0	32.0	32.8	32.0	32.0
82.5°	23.7	23.7	22.9	23.7	22.9	22.1	22.1	22.1	21.4	22.1	22.1
85°	13.7	13.7	13.0	12.2	13.0	13.0	12.2	13.0	12.2	13.0	12.2
87.5°	5.3	4.6	4.6	4.6	3.8	4.6	3.8	3.8	4.6	3.8	4.6
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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	962.1	957.5	954.5	952.2	949.9	956.8	947.6	937.7	930.8	926.2	924.7
5°	1062.8	1052.9	1044.5	1037.6	1039.2	1039.2	1023.1	1005.6	990.3	981.9	972.8
7.5°	1179.5	1168.9	1152.1	1148.3	1145.2	1126.1	1110.1	1078.1	1059.0	1039.9	1023.1
10°	1295.5	1281.8	1265.8	1260.4	1252.8	1229.1	1204.7	1163.5	1139.9	1104.8	1082.6
12.5°	1403.9	1387.1	1371.1	1367.2	1355.8	1335.2	1293.2	1250.5	1210.1	1172.7	1133.8
15°	1494.7	1490.1	1465.7	1450.4	1425.2	1397.0	1387.8	1329.9	1278.7	1239.8	1169.6
17.5°	1570.9	1549.6	1526.7	1516.8	1506.9	1474.1	1441.2	1381.7	1326.8	1269.6	1224.6
20°	1632.0	1608.3	1592.3	1577.8	1573.2	1535.9	1484.0	1431.3	1371.1	1307.0	1248.2
22.5°	1635.0	1632.0	1621.3	1612.9	1603.8	1579.3	1538.1	1472.5	1408.4	1338.2	1261.2
25°	1571.7	1567.1	1597.7	1590.0	1596.1	1587.0	1564.8	1509.9	1435.1	1352.7	1274.9
27.5°	1381.0	1427.5	1475.6	1492.4	1503.8	1536.6	1547.3	1516.8	1456.5	1368.8	1281.8
30°	1121.6	1183.4	1261.2	1303.1	1335.2	1396.2	1475.6	1485.5	1457.3	1387.1	1280.3
32.5°	880.5	936.9	999.5	1049.1	1091.8	1216.9	1323.7	1400.8	1414.5	1377.9	1284.1
35°	709.6	734.0	793.5	840.8	898.8	1005.6	1131.5	1255.8	1339.8	1344.3	1272.6
37.5°	585.2	598.2	650.0	676.8	711.1	804.9	922.4	1084.9	1215.4	1277.2	1240.6
40°	484.5	514.2	544.0	559.3	583.7	648.5	761.4	888.9	1050.6	1165.0	1191.0
42.5°	420.4	433.4	452.4	473.8	489.1	545.5	621.1	737.8	883.5	1043.0	1114.7
45°	370.8	375.4	395.2	409.0	425.0	464.6	518.1	615.7	743.9	901.1	1023.1
47.5°	329.6	338.8	349.4	357.8	368.5	399.0	444.8	515.8	628.7	769.1	900.3
50°	293.0	298.3	312.1	315.9	323.5	344.9	380.0	434.1	527.2	639.4	775.2
52.5°	258.6	268.6	273.9	279.2	286.1	303.7	326.5	370.8	441.0	546.3	661.5
55°	231.9	235.0	242.6	247.2	252.5	264.7	284.6	317.4	372.3	456.3	565.4
57.5°	206.0	206.0	213.6	217.4	222.8	231.9	249.5	274.7	314.3	376.9	476.9
60°	178.5	179.3	185.4	190.0	191.5	200.7	215.2	235.0	265.5	311.3	392.9
62.5°	154.1	157.9	161.0	162.5	167.9	173.2	185.4	199.1	220.5	260.9	318.9
65°	133.5	134.3	136.6	138.1	140.4	146.5	155.6	164.8	183.1	212.9	260.2
67.5°	109.9	112.9	116.0	116.0	118.3	121.3	130.5	138.1	151.8	169.4	201.4
70°	82.4	83.9	88.5	90.8	93.8	99.2	103.8	108.3	119.0	132.0	156.4
72.5°	68.7	68.7	70.2	71.0	71.0	74.8	81.6	86.2	91.6	100.7	117.5
75°	54.9	54.9	57.2	56.5	58.0	59.5	60.3	63.3	66.4	73.2	83.2
77.5°	43.5	44.3	44.3	45.0	45.0	45.8	46.5	48.1	49.6	53.4	58.0
80°	32.0	32.8	32.8	33.6	33.6	34.3	35.1	35.9	37.4	38.9	41.2
82.5°	22.1	22.9	22.9	23.7	22.9	23.7	24.4	24.4	25.2	26.7	27.5
85°	13.0	13.0	13.7	13.0	13.0	13.0	13.7	13.7	14.5	16.8	16.8
87.5°	3.8	4.6	3.8	4.6	4.6	4.6	4.6	5.3	5.3	6.1	6.9
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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	922.4	918.6	914.8	914.8	906.4	898.8	895.0	896.5	891.9	885.8	879.7
5°	962.9	947.6	944.6	936.2	924.7	908.7	900.3	892.7	883.5	871.3	859.9
7.5°	1000.2	980.4	969.7	961.3	939.2	917.1	898.8	886.6	870.5	852.2	838.5
10°	1049.1	1012.5	1001.0	981.9	950.7	919.4	898.0	878.2	856.0	834.7	816.4
12.5°	1088.0	1046.0	1024.7	1005.6	965.2	925.5	889.6	865.2	838.5	814.8	791.2
15°	1132.2	1084.9	1047.6	1024.7	973.5	925.5	885.0	850.7	821.0	792.0	771.4
17.5°	1153.6	1094.1	1077.3	1044.5	970.5	922.4	872.8	836.2	800.4	766.8	742.4
20°	1187.2	1117.7	1075.8	1053.7	988.0	917.1	859.1	817.1	779.8	743.9	718.0
22.5°	1189.5	1113.9	1086.5	1044.5	963.6	901.1	846.9	795.8	752.3	718.7	692.0
25°	1184.1	1107.1	1068.9	1035.3	968.2	891.9	822.5	772.1	729.4	690.5	659.2
27.5°	1181.8	1087.2	1051.4	1017.8	942.3	865.2	808.0	750.8	701.9	667.6	635.6
30°	1178.8	1065.9	1022.4	983.5	914.0	844.6	775.9	726.3	679.8	636.3	604.3
32.5°	1158.9	1036.9	992.6	951.4	876.6	807.2	753.0	700.4	650.0	609.6	580.6
35°	1152.8	1010.2	952.2	907.9	834.7	772.9	715.7	672.2	624.9	584.4	550.1
37.5°	1135.3	982.7	920.1	863.7	787.4	728.6	686.7	643.2	597.4	553.9	526.4
40°	1104.8	950.7	879.7	821.7	743.1	683.6	644.7	612.7	567.6	528.7	495.2
42.5°	1059.8	917.8	841.6	780.5	693.5	637.8	605.8	575.3	537.1	496.7	469.2
45°	1007.9	874.4	803.4	735.5	647.0	592.8	559.3	540.9	505.8	471.5	439.5
47.5°	936.9	829.3	759.2	689.0	598.9	546.3	519.6	501.3	476.9	439.5	413.5
50°	847.7	771.4	705.0	642.4	551.6	501.3	474.6	460.8	440.2	413.5	388.3
52.5°	748.5	704.2	649.3	591.3	503.6	456.3	431.8	421.2	405.9	380.7	359.4
55°	648.5	629.4	592.1	534.8	453.2	414.3	392.9	379.2	367.7	349.4	331.1
57.5°	559.3	550.1	524.2	479.9	411.2	370.8	352.5	343.3	334.2	320.4	302.1
60°	466.9	476.9	450.2	428.0	365.5	330.4	314.3	304.4	299.8	287.6	276.2
62.5°	386.8	396.0	380.7	363.9	319.7	288.4	278.5	269.3	266.3	255.6	244.1
65°	314.3	325.8	314.3	305.2	278.5	252.5	240.3	235.8	232.7	225.8	216.7
67.5°	250.3	261.7	256.4	244.9	236.5	215.2	208.3	203.7	202.2	196.8	189.2
70°	188.5	204.5	206.0	199.1	191.5	181.6	177.0	175.5	171.7	167.1	162.5
72.5°	135.8	154.1	154.9	154.9	150.3	150.3	145.7	143.4	143.4	138.9	133.5
75°	99.9	112.2	113.7	115.2	117.5	119.8	116.7	116.7	116.0	111.4	109.1
77.5°	66.4	77.1	80.9	86.2	89.3	89.3	90.8	92.3	90.8	88.5	87.0
80°	42.7	50.4	54.9	58.0	62.6	64.9	67.1	67.9	66.4	65.6	63.3
82.5°	28.2	30.5	32.8	36.6	42.0	45.8	45.8	45.0	46.5	45.8	45.0
85°	16.0	17.5	18.3	19.1	22.1	25.9	26.7	27.5	29.0	27.5	25.9
87.5°	6.1	6.9	6.9	6.9	8.4	9.2	11.4	14.5	13.7	12.2	12.2
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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	879.7	875.9	874.4	870.5	861.4	855.3	848.4	843.8	844.6	840.8	843.1
5°	852.2	851.5	846.1	838.5	825.5	818.7	806.5	800.4	797.3	798.1	793.5
7.5°	829.3	822.5	818.7	806.5	794.2	779.8	769.8	764.5	759.9	755.3	752.3
10°	803.4	797.3	791.2	778.2	761.4	747.7	734.0	728.6	721.8	718.7	716.4
12.5°	775.9	772.1	764.5	749.2	730.2	717.2	701.2	698.1	689.0	682.9	681.3
15°	750.8	748.5	734.7	717.2	698.1	685.1	671.4	662.3	647.0	650.0	644.7
17.5°	724.1	714.1	705.7	682.1	672.9	653.1	637.1	632.5	621.8	615.0	608.1
20°	694.3	688.2	677.5	662.3	640.1	617.2	605.0	597.4	591.3	580.6	577.6
22.5°	666.1	658.4	649.3	629.4	610.4	591.3	574.5	567.6	560.0	552.4	547.8
25°	643.9	632.5	622.6	598.2	579.1	563.1	552.4	540.9	530.3	525.7	524.2
27.5°	609.6	602.7	592.8	569.9	552.4	534.8	524.9	517.3	505.8	500.5	495.9
30°	587.5	573.8	562.3	544.0	526.4	507.4	498.2	489.1	482.2	475.3	470.0
32.5°	557.7	547.0	537.9	519.6	502.0	484.5	474.6	460.8	457.0	451.7	445.6
35°	528.7	521.9	512.0	492.1	473.0	460.8	450.2	437.2	432.6	428.8	423.4
37.5°	501.3	491.4	484.5	465.4	448.6	434.1	425.7	415.1	412.0	407.4	403.6
40°	477.6	467.7	460.8	441.8	424.2	409.0	403.6	392.9	388.3	383.0	380.7
42.5°	450.9	442.5	433.4	419.6	401.3	386.1	375.4	369.3	363.2	360.9	356.3
45°	422.7	415.1	408.2	392.9	373.9	363.2	354.0	345.6	341.0	337.2	334.2
47.5°	398.3	391.4	382.2	365.5	350.2	340.3	331.1	322.7	318.2	313.6	309.8
50°	370.0	366.2	356.3	340.3	325.8	314.3	305.9	298.3	295.3	289.9	283.8
52.5°	344.9	338.0	329.6	316.6	303.7	289.9	278.5	273.9	268.6	265.5	260.2
55°	315.1	310.5	301.4	289.9	276.2	264.7	256.4	250.3	243.4	240.3	233.5
57.5°	289.9	281.5	277.0	262.5	249.5	238.0	231.9	225.8	218.2	213.6	210.6
60°	262.5	254.8	248.0	235.8	226.6	214.4	205.2	199.9	194.6	188.5	185.4
62.5°	235.8	229.7	221.3	211.3	199.9	190.0	183.1	175.5	172.4	166.3	164.0
65°	206.8	202.2	195.3	183.9	174.7	166.3	159.5	153.4	150.3	148.0	146.5
67.5°	180.8	174.7	170.1	160.2	150.3	143.4	139.6	135.8	132.0	129.7	127.4
70°	154.1	149.5	145.0	135.8	128.9	122.8	119.8	116.7	114.4	112.2	109.9
72.5°	126.7	124.4	119.8	113.7	108.3	103.8	101.5	97.7	95.4	91.6	90.0
75°	104.5	100.7	98.4	93.1	88.5	84.7	81.6	77.1	74.0	72.5	71.7
77.5°	82.4	80.9	77.8	73.2	71.0	67.1	62.6	61.0	59.5	59.5	58.7
80°	61.8	59.5	57.2	53.4	51.1	48.1	48.1	48.1	47.3	48.1	47.3
82.5°	42.0	40.4	38.9	36.6	35.9	35.9	36.6	36.6	36.6	36.6	36.6
85°	24.4	24.4	24.4	25.2	24.4	24.4	25.2	25.9	25.2	25.2	24.4
87.5°	11.4	11.4	12.2	12.2	13.0	13.0	13.0	13.0	13.0	13.0	13.7
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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	842.3	843.1	840.8	836.2	835.4	837.0	841.6	840.0	836.2	843.1	837.0
5°	795.8	792.0	790.4	792.0	787.4	785.1	789.7	787.4	789.7	790.4	792.7
7.5°	750.8	751.5	746.9	747.7	741.6	743.1	743.1	743.1	745.4	746.9	750.0
10°	711.8	713.4	708.0	708.8	704.2	701.2	703.5	708.0	708.0	708.0	709.6
12.5°	680.6	673.7	669.9	669.1	663.8	662.3	666.8	668.4	672.2	672.2	674.5
15°	641.7	640.1	637.1	637.1	624.1	627.2	628.7	634.0	641.7	635.6	637.1
17.5°	606.6	602.7	598.9	597.4	595.9	591.3	597.4	596.6	601.2	602.0	604.3
20°	575.3	572.2	564.6	565.4	566.9	560.0	563.8	563.8	568.4	573.0	578.3
22.5°	544.8	541.7	537.9	539.4	534.8	533.3	533.3	537.1	542.5	546.3	545.5
25°	521.1	515.8	513.5	511.2	508.9	510.4	508.1	512.0	515.8	518.1	515.8
27.5°	494.4	492.1	487.5	485.2	481.4	483.0	484.5	487.5	489.8	489.8	492.1
30°	468.5	465.4	463.9	461.6	461.6	458.5	459.3	462.4	464.6	466.9	470.0
32.5°	443.3	441.0	438.7	438.7	437.2	436.4	435.7	440.2	440.2	444.8	444.8
35°	422.7	418.9	418.9	415.1	416.6	415.8	414.3	417.3	418.1	421.2	420.4
37.5°	399.8	399.8	398.3	394.5	391.4	392.2	396.0	396.0	398.3	397.5	399.8
40°	376.9	375.4	375.4	373.1	372.3	371.6	372.3	373.1	376.9	376.1	376.9
42.5°	354.0	354.8	351.0	351.0	351.0	348.7	349.4	350.2	351.7	353.3	355.5
45°	331.9	330.4	329.6	328.1	326.5	327.3	326.5	329.6	328.8	330.4	332.7
47.5°	308.2	305.9	305.2	302.1	302.1	303.7	302.9	305.2	305.9	308.2	306.7
50°	285.3	282.3	280.0	280.8	276.2	277.7	277.7	280.0	282.3	283.1	284.6
52.5°	258.6	257.9	257.1	253.3	252.5	251.8	252.5	253.3	256.4	258.6	259.4
55°	232.7	231.9	227.4	225.8	223.5	223.5	225.1	225.8	231.2	231.9	235.0
57.5°	209.1	206.8	201.4	200.7	200.7	200.7	198.4	201.4	202.9	206.8	206.8
60°	183.1	183.1	178.5	178.5	179.3	178.5	178.5	179.3	179.3	182.3	183.9
62.5°	162.5	161.7	161.7	160.2	159.5	160.2	159.5	159.5	160.2	162.5	164.8
65°	144.2	143.4	142.7	141.9	140.4	140.4	141.1	142.7	142.7	144.2	145.0
67.5°	126.7	126.7	125.1	125.1	124.4	123.6	124.4	123.6	126.7	126.7	127.4
70°	109.1	108.3	106.1	105.3	103.0	103.8	103.8	106.1	106.8	108.3	109.9
72.5°	87.7	87.7	86.2	84.7	85.5	83.9	83.9	84.7	84.7	87.0	87.7
75°	72.5	71.0	70.2	71.0	70.2	71.7	70.2	70.2	71.7	71.7	71.7
77.5°	59.5	59.5	58.7	58.7	59.5	58.7	59.5	59.5	59.5	58.7	59.5
80°	48.8	48.1	48.1	48.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
82.5°	36.6	36.6	35.9	36.6	36.6	35.9	36.6	35.9	35.9	36.6	36.6
85°	24.4	25.9	24.4	24.4	25.2	25.2	25.9	25.2	25.9	24.4	25.2
87.5°	13.0	13.7	13.7	13.0	13.0	13.7	13.7	13.7	14.5	13.0	13.7
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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-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: P1012560

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1	891.1
2.5°	843.1	846.1	843.1	837.0	843.1	846.9	850.7	856.8	859.9	859.9	864.4
5°	795.0	801.1	798.8	797.3	803.4	807.2	813.3	821.0	829.3	834.7	840.8
7.5°	752.3	756.1	759.9	759.9	766.0	774.4	783.6	792.7	803.4	811.0	815.6
10°	714.9	718.0	720.2	723.3	732.4	741.6	753.8	765.3	774.4	782.8	790.4
12.5°	679.0	683.6	689.0	691.2	698.1	709.6	721.0	734.7	749.2	757.6	765.3
15°	644.7	647.0	653.1	660.0	666.1	678.3	692.8	707.3	719.5	732.4	739.3
17.5°	609.6	610.4	626.4	622.6	642.4	653.9	661.5	675.2	695.1	705.7	716.4
20°	575.3	582.9	589.8	593.6	604.3	617.2	639.4	650.0	666.1	676.0	685.1
22.5°	548.6	560.0	560.0	569.2	574.5	586.7	602.7	623.3	640.9	647.8	660.7
25°	524.9	530.3	539.4	542.5	552.4	563.1	573.8	595.9	615.0	624.1	633.3
27.5°	494.4	501.3	513.5	513.5	526.4	537.9	550.9	565.4	584.4	597.4	607.3
30°	470.8	477.6	483.0	491.4	496.7	507.4	530.3	540.9	557.7	569.2	581.4
32.5°	448.6	454.0	458.5	467.7	473.8	486.0	498.2	517.3	531.8	542.5	555.4
35°	424.2	429.6	435.7	442.5	451.7	463.1	474.6	490.6	505.1	515.0	525.7
37.5°	401.3	405.1	414.3	418.9	426.5	437.2	451.7	468.5	481.4	489.1	499.7
40°	379.2	382.2	389.1	397.5	402.8	411.2	426.5	441.0	457.0	466.2	474.6
42.5°	355.5	359.4	365.5	373.9	382.2	391.4	399.8	416.6	431.1	438.7	447.9
45°	334.9	337.2	341.8	350.2	358.6	365.5	378.4	393.7	407.4	413.5	423.4
47.5°	310.5	312.8	319.7	323.5	332.7	341.8	354.8	370.0	382.2	388.3	397.5
50°	285.3	287.6	292.2	300.6	306.7	316.6	328.1	341.0	356.3	364.7	370.0
52.5°	260.9	265.5	269.3	276.2	283.8	293.7	304.4	316.6	329.6	338.0	344.1
55°	236.5	240.3	244.9	248.7	257.9	267.0	279.2	290.7	302.1	309.8	316.6
57.5°	209.1	214.4	219.0	226.6	233.5	241.1	254.8	264.0	277.7	283.1	289.2
60°	185.4	190.7	194.6	200.7	206.8	216.7	225.8	237.3	248.7	255.6	263.2
62.5°	165.6	167.9	170.1	176.2	182.3	191.5	200.7	212.1	224.3	228.1	234.2
65°	145.7	148.0	151.8	157.2	161.7	167.1	177.0	186.2	197.6	203.7	206.0
67.5°	128.9	131.2	132.0	135.8	139.6	145.7	151.1	160.2	170.9	174.7	179.3
70°	109.9	113.7	114.4	117.5	119.0	122.8	128.9	135.8	144.2	151.1	154.9
72.5°	87.7	93.1	94.6	99.2	101.5	105.3	109.9	115.2	120.5	123.6	126.7
75°	71.7	73.2	74.0	77.8	81.6	87.0	89.3	92.3	96.9	100.7	103.8
77.5°	59.5	60.3	61.0	61.0	61.8	64.9	69.4	73.2	76.3	77.8	80.1
80°	48.1	47.3	47.3	48.1	48.1	48.1	49.6	54.9	56.5	60.3	59.5
82.5°	37.4	35.9	36.6	35.9	35.9	35.9	35.9	36.6	36.6	38.9	40.4
85°	24.4	25.2	24.4	24.4	23.7	24.4	23.7	23.7	22.9	22.9	22.1
87.5°	13.0	13.7	13.0	13.0	12.2	13.0	12.2	12.2	11.4	11.4	9.9
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

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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: P1012560

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	891.1	891.1	891.1	891.1
2.5°	868.3	873.6	884.3	893.4
5°	849.9	858.3	874.4	890.4
7.5°	827.8	840.8	861.4	883.5
10°	806.5	823.2	848.4	874.4
12.5°	785.1	802.6	829.3	862.9
15°	759.9	778.2	810.3	850.7
17.5°	737.8	762.2	791.2	831.6
20°	714.1	732.4	769.8	812.6
22.5°	684.4	714.9	750.0	795.0
25°	660.7	687.4	722.5	773.6
27.5°	631.7	663.0	705.7	750.8
30°	608.1	634.0	673.7	727.9
32.5°	580.6	611.1	652.3	705.7
35°	556.2	582.1	621.1	675.2
37.5°	527.2	555.4	598.9	647.0
40°	502.0	529.5	570.7	615.7
42.5°	471.5	500.5	541.7	579.9
45°	447.1	473.8	506.6	541.7
47.5°	417.3	445.6	477.6	502.0
50°	390.6	416.6	441.8	462.4
52.5°	361.6	385.3	408.2	423.4
55°	334.9	353.3	371.6	382.2
57.5°	303.7	321.2	336.5	342.6
60°	276.2	290.7	300.6	307.5
62.5°	247.2	257.9	265.5	269.3
65°	219.0	226.6	230.4	234.2
67.5°	190.0	196.8	199.1	203.7
70°	159.5	167.1	168.6	170.9
72.5°	136.6	136.6	139.6	142.7
75°	109.1	110.6	112.2	112.2
77.5°	85.5	85.5	87.0	87.7
80°	62.6	63.3	63.3	62.6
82.5°	42.7	44.3	42.7	42.0
85°	23.7	26.7	25.2	25.2
87.5°	9.9	9.9	11.4	9.9
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: P1012560

CATALOG NUMBER: S123RDIP-B560D1025UB30-4F0-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)