

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: P1032353

Luminaire Tested: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032353
REPORT IS A COMBINATION OF REPORTS P994576 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B560D755UB30-4F0-XX-W2A-A1
Description: Define 3 Regressed Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

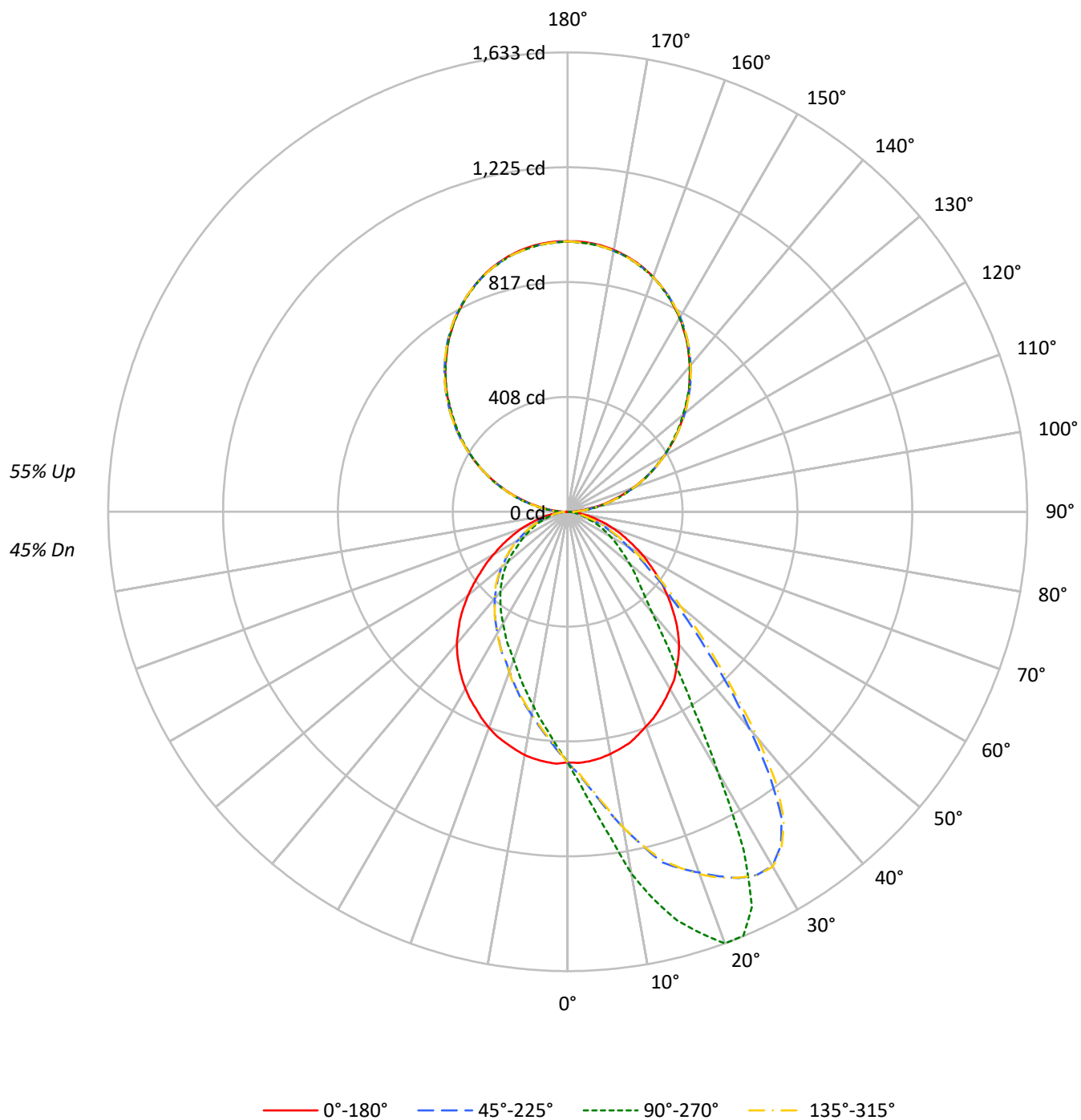
Lumens per Lamp: N/A
Luminaire Lumens: 4884.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 47.2
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	37	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°	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	1.8
10°-20°	274.0	5.6
20°-30°	431.5	8.8
30°-40°	448.7	9.2
40°-50°	383.8	7.9
50°-60°	292.6	6.0
60°-70°	187.5	3.8
70°-80°	89.8	1.8
80°-90°	25.7	0.5
90°-100°	61.9	1.3
100°-110°	187.3	3.8
110°-120°	318.8	6.5
120°-130°	419.4	8.6
130°-140°	471.4	9.7
140°-150°	463.4	9.5
150°-160°	390.2	8.0
160°-170°	259.7	5.3
170°-180°	91.0	1.9
0°-30°	792.9	16.2
0°-40°	1241.6	25.4
0°-60°	1918.1	39.3
0°-90°	2221.0	45.5
90°-120°	567.9	11.6
90°-150°	1922.1	39.4
90°-180°	2663.0	54.5
0°-180°	4884.0	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°	1	23	1	23	1	5
95°	44	59	44	59	44	49
105°	170	180	170	180	170	182
115°	321	322	321	322	321	318
125°	470	464	470	464	470	419
135°	609	608	609	608	609	469
145°	739	739	739	739	739	462
155°	846	845	846	845	846	390
165°	922	919	922	919	922	260
175°	959	955	959	955	959	91
180°	961	961	961	961	961	

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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°	0.8	2.5	4.1	5.8	7.5	8.3	9.4	11.6	13.7	15.9	18.1
92.5°	22.6	23.6	24.6	25.7	26.7	27.2	27.7	28.7	29.7	30.7	31.7
95°	44.5	45.7	46.9	48.0	49.2	49.8	50.5	51.8	53.2	54.5	55.9
97.5°	73.2	74.0	74.9	75.7	76.6	77.0	77.5	78.5	79.5	80.5	81.5
100°	102.7	103.7	104.7	105.7	106.7	107.2	107.6	108.5	109.3	110.2	111.0
102.5°	136.6	137.1	137.6	138.1	138.6	138.9	139.5	140.7	141.8	143.0	144.2
105°	169.9	170.2	170.6	170.9	171.2	171.4	172.2	173.7	175.2	176.7	178.2
107.5°	209.1	209.3	209.5	209.6	209.8	209.9	210.2	210.9	211.6	212.2	212.9
110°	245.4	245.7	246.1	246.4	246.7	246.9	247.1	247.4	247.7	248.1	248.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	283.1	283.3	283.5	283.6	283.8	283.9	283.9	283.9	283.9	283.9	283.9
115°	320.9	321.4	321.9	322.4	322.9	323.1	322.9	322.6	322.3	321.9	321.6
117.5°	359.4	359.6	359.7	359.9	360.0	360.1	359.9	359.6	359.3	358.9	358.6
120°	394.8	395.8	396.8	397.9	398.9	399.4	399.0	398.1	397.3	396.4	395.6
122.5°	431.8	432.5	433.2	433.9	434.6	434.9	434.7	434.4	434.1	433.7	433.4
125°	469.6	470.1	470.6	471.1	471.6	471.9	471.7	471.4	471.0	470.7	470.3
127.5°	504.3	505.3	506.3	507.3	508.3	508.8	508.6	508.3	508.0	507.6	507.3
130°	539.0	540.4	541.7	543.1	544.4	545.1	544.8	544.3	543.8	543.3	542.8
132.5°	573.8	575.1	576.5	577.8	579.1	579.8	579.6	579.3	579.0	578.6	578.3
135°	609.3	610.3	611.3	612.3	613.3	613.8	613.7	613.5	613.4	613.2	613.0
137.5°	641.7	642.5	643.4	644.2	645.1	645.5	645.8	646.3	646.8	647.3	647.8
140°	675.7	676.5	677.4	678.2	679.1	679.5	679.6	679.7	679.9	680.0	680.2
142.5°	706.7	707.5	708.3	709.2	710.0	710.4	710.6	710.9	711.2	711.6	711.9
145°	739.1	739.4	739.8	740.1	740.4	740.6	740.9	741.4	741.9	742.4	742.9
147.5°	767.0	767.7	768.4	769.1	769.8	770.1	770.3	770.8	771.3	771.8	772.3
150°	796.5	796.8	797.2	797.5	797.8	798.0	798.2	798.5	798.8	799.2	799.5
152.5°	820.7	821.2	821.7	822.2	822.7	822.9	823.0	823.2	823.3	823.5	823.7
155°	846.3	846.3	846.3	846.3	846.3	846.3	846.4	846.6	846.7	846.9	847.1
157.5°	868.2	868.0	867.9	867.7	867.6	867.5	867.6	867.7	867.9	868.0	868.2
160°	888.6	888.3	887.9	887.6	887.3	887.1	887.1	887.1	887.1	887.1	887.1
162.5°	906.7	906.2	905.7	905.2	904.7	904.5	904.6	904.7	904.9	905.0	905.2
165°	921.8	921.3	920.8	920.3	919.8	919.6	919.6	919.6	919.6	919.6	919.6
167.5°	934.7	934.0	933.3	932.6	931.9	931.6	931.7	931.9	932.0	932.2	932.4
170°	945.2	944.5	943.9	943.2	942.5	942.2	942.2	942.2	942.2	942.2	942.2
172.5°	953.5	952.8	952.2	951.5	950.8	950.5	950.5	950.5	950.5	950.5	950.5
175°	958.8	958.1	957.5	956.8	956.1	955.8	955.8	955.8	955.8	955.8	955.8
177.5°	961.8	961.1	960.5	959.8	959.1	958.8	958.8	958.8	958.8	958.8	958.8
180°	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1

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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°	18.8	19.4	20.1	20.8	21.1	21.3	21.6	21.9	22.3	22.6	22.3
92.5°	32.2	32.7	33.2	33.7	34.0	33.8	33.5	33.2	32.8	32.5	32.8
95°	56.6	57.2	57.9	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9
97.5°	82.3	83.2	84.0	84.9	85.3	85.2	85.1	84.9	84.8	84.6	84.8
100°	111.5	112.0	112.5	113.0	113.2	113.4	113.7	114.1	114.4	114.8	114.4
102.5°	144.7	145.2	145.7	146.2	146.5	146.4	146.2	146.1	145.9	145.7	145.9
105°	178.2	178.2	178.2	178.2	178.2	178.4	178.7	179.0	179.4	179.7	179.4
107.5°	213.4	213.9	214.4	214.9	215.2	215.1	214.9	214.8	214.6	214.4	214.6
110°	249.1	249.7	250.4	251.1	251.4	251.2	250.9	250.6	250.2	249.9	250.2



TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	284.7	285.5	286.4	287.2	287.6	287.6	287.6	287.6	287.6	287.6	287.6
115°	321.8	322.0	322.1	322.3	322.4	322.3	322.1	322.0	321.8	321.6	321.8
117.5°	358.6	358.6	358.6	358.6	358.6	358.3	357.8	357.3	356.8	356.3	356.8
120°	395.4	395.2	395.1	394.9	394.8	394.6	394.3	394.0	393.6	393.3	393.6
122.5°	432.9	432.4	431.9	431.4	431.1	430.8	430.3	429.8	429.3	428.8	429.3
125°	469.6	469.0	468.3	467.6	467.3	467.0	466.3	465.6	465.0	464.3	465.0
127.5°	506.3	505.3	504.3	503.3	502.8	502.5	501.8	501.1	500.5	499.8	500.5
130°	542.1	541.5	540.8	540.1	539.8	539.2	538.0	536.9	535.7	534.5	535.7
132.5°	577.5	576.6	575.8	574.9	574.5	574.1	573.3	572.4	571.6	570.8	571.6
135°	612.3	611.7	611.0	610.3	610.0	609.8	609.5	609.2	608.8	608.5	608.8
137.5°	647.0	646.1	645.3	644.4	644.0	643.7	643.2	642.7	642.2	641.7	642.2
140°	680.0	679.9	679.7	679.6	679.5	678.9	677.7	676.6	675.4	674.2	675.4
142.5°	711.7	711.6	711.4	711.3	711.2	710.8	709.9	709.1	708.2	707.4	708.2
145°	742.7	742.5	742.4	742.2	742.1	741.8	741.1	740.4	739.8	739.1	739.8
147.5°	772.3	772.3	772.3	772.3	772.3	771.8	770.8	769.8	768.8	767.8	768.8
150°	799.5	799.5	799.5	799.5	799.5	799.0	798.0	797.0	796.0	795.0	796.0
152.5°	824.0	824.4	824.7	825.0	825.2	824.8	823.9	823.1	822.2	821.4	822.2
155°	847.8	848.4	849.1	849.8	850.1	849.5	848.3	847.2	846.0	844.8	846.0
157.5°	868.9	869.5	870.2	870.9	871.2	870.7	869.7	868.7	867.7	866.7	867.7
160°	887.9	888.8	889.6	890.5	890.9	890.6	889.9	889.2	888.5	887.8	888.5
162.5°	906.0	906.9	907.7	908.6	909.0	908.4	907.2	906.1	904.9	903.7	904.9
165°	920.6	921.6	922.6	923.6	924.1	923.5	922.3	921.2	920.0	918.8	920.0
167.5°	933.4	934.4	935.4	936.4	936.9	936.4	935.4	934.4	933.4	932.4	933.4
170°	943.4	944.6	945.7	946.9	947.5	946.9	945.7	944.6	943.4	942.2	943.4
172.5°	951.5	952.5	953.5	954.5	955.0	954.4	953.3	952.1	951.0	949.8	951.0
175°	956.8	957.8	958.8	959.8	960.3	959.7	958.5	957.4	956.2	955.0	956.2
177.5°	959.8	960.8	961.8	962.8	963.3	962.7	961.6	960.4	959.3	958.1	959.3
180°	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

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°	21.9	21.6	21.3	21.1	20.8	20.1	19.4	18.8	18.1	15.9	13.7
92.5°	33.2	33.5	33.8	34.0	33.7	33.2	32.7	32.2	31.7	30.7	29.7
95°	58.9	58.9	58.9	58.9	58.6	57.9	57.2	56.6	55.9	54.5	53.2
97.5°	84.9	85.1	85.2	85.3	84.9	84.0	83.2	82.3	81.5	80.5	79.5
100°	114.1	113.7	113.4	113.2	113.0	112.5	112.0	111.5	111.0	110.2	109.3
102.5°	146.1	146.2	146.4	146.5	146.2	145.7	145.2	144.7	144.2	143.0	141.8
105°	179.0	178.7	178.4	178.2	178.2	178.2	178.2	178.2	178.2	176.7	175.2
107.5°	214.8	214.9	215.1	215.2	214.9	214.4	213.9	213.4	212.9	212.2	211.6
110°	250.6	250.9	251.2	251.4	251.1	250.4	249.7	249.1	248.4	248.1	247.7

TEST NUMBER: P1032353

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	287.6	287.6	287.6	287.6	287.2	286.4	285.5	284.7	283.9	283.9	283.9
115°	322.0	322.1	322.3	322.4	322.3	322.1	322.0	321.8	321.6	321.9	322.3
117.5°	357.3	357.8	358.3	358.6	358.6	358.6	358.6	358.6	358.6	358.9	359.3
120°	394.0	394.3	394.6	394.8	394.9	395.1	395.2	395.4	395.6	396.4	397.3
122.5°	429.8	430.3	430.8	431.1	431.4	431.9	432.4	432.9	433.4	433.7	434.1
125°	465.6	466.3	467.0	467.3	467.6	468.3	469.0	469.6	470.3	470.7	471.0
127.5°	501.1	501.8	502.5	502.8	503.3	504.3	505.3	506.3	507.3	507.6	508.0
130°	536.9	538.0	539.2	539.8	540.1	540.8	541.5	542.1	542.8	543.3	543.8
132.5°	572.4	573.3	574.1	574.5	574.9	575.8	576.6	577.5	578.3	578.6	579.0
135°	609.2	609.5	609.8	610.0	610.3	611.0	611.7	612.3	613.0	613.2	613.4
137.5°	642.7	643.2	643.7	644.0	644.4	645.3	646.1	647.0	647.8	647.3	646.8
140°	676.6	677.7	678.9	679.5	679.6	679.7	679.9	680.0	680.2	680.0	679.9
142.5°	709.1	709.9	710.8	711.2	711.3	711.4	711.6	711.7	711.9	711.6	711.2
145°	740.4	741.1	741.8	742.1	742.2	742.4	742.5	742.7	742.9	742.4	741.9
147.5°	769.8	770.8	771.8	772.3	772.3	772.3	772.3	772.3	772.3	771.8	771.3
150°	797.0	798.0	799.0	799.5	799.5	799.5	799.5	799.5	799.5	799.2	798.8
152.5°	823.1	823.9	824.8	825.2	825.0	824.7	824.4	824.0	823.7	823.5	823.3
155°	847.2	848.3	849.5	850.1	849.8	849.1	848.4	847.8	847.1	846.9	846.7
157.5°	868.7	869.7	870.7	871.2	870.9	870.2	869.5	868.9	868.2	868.0	867.9
160°	889.2	889.9	890.6	890.9	890.5	889.6	888.8	887.9	887.1	887.1	887.1
162.5°	906.1	907.2	908.4	909.0	908.6	907.7	906.9	906.0	905.2	905.0	904.9
165°	921.2	922.3	923.5	924.1	923.6	922.6	921.6	920.6	919.6	919.6	919.6
167.5°	934.4	935.4	936.4	936.9	936.4	935.4	934.4	933.4	932.4	932.2	932.0
170°	944.6	945.7	946.9	947.5	946.9	945.7	944.6	943.4	942.2	942.2	942.2
172.5°	952.1	953.3	954.4	955.0	954.5	953.5	952.5	951.5	950.5	950.5	950.5
175°	957.4	958.5	959.7	960.3	959.8	958.8	957.8	956.8	955.8	955.8	955.8
177.5°	960.4	961.6	962.7	963.3	962.8	961.8	960.8	959.8	958.8	958.8	958.8
180°	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

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°	11.6	9.4	8.3	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8
92.5°	28.7	27.7	27.2	26.7	25.7	24.6	23.6	22.6	23.6	24.6	25.7
95°	51.8	50.5	49.8	49.2	48.0	46.9	45.7	44.5	45.7	46.9	48.0
97.5°	78.5	77.5	77.0	76.6	75.7	74.9	74.0	73.2	74.0	74.9	75.7
100°	108.5	107.6	107.2	106.7	105.7	104.7	103.7	102.7	103.7	104.7	105.7
102.5°	140.7	139.5	138.9	138.6	138.1	137.6	137.1	136.6	137.1	137.6	138.1
105°	173.7	172.2	171.4	171.2	170.9	170.6	170.2	169.9	170.2	170.6	170.9
107.5°	210.9	210.2	209.9	209.8	209.6	209.5	209.3	209.1	209.3	209.5	209.6
110°	247.4	247.1	246.9	246.7	246.4	246.1	245.7	245.4	245.7	246.1	246.4

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	283.9	283.9	283.9	283.8	283.6	283.5	283.3	283.1	283.3	283.5	283.6
115°	322.6	322.9	323.1	322.9	322.4	321.9	321.4	320.9	321.4	321.9	322.4
117.5°	359.6	359.9	360.1	360.0	359.9	359.7	359.6	359.4	359.6	359.7	359.9
120°	398.1	399.0	399.4	398.9	397.9	396.8	395.8	394.8	395.8	396.8	397.9
122.5°	434.4	434.7	434.9	434.6	433.9	433.2	432.5	431.8	432.5	433.2	433.9
125°	471.4	471.7	471.9	471.6	471.1	470.6	470.1	469.6	470.1	470.6	471.1
127.5°	508.3	508.6	508.8	508.3	507.3	506.3	505.3	504.3	505.3	506.3	507.3
130°	544.3	544.8	545.1	544.4	543.1	541.7	540.4	539.0	540.4	541.7	543.1
132.5°	579.3	579.6	579.8	579.1	577.8	576.5	575.1	573.8	575.1	576.5	577.8
135°	613.5	613.7	613.8	613.3	612.3	611.3	610.3	609.3	610.3	611.3	612.3
137.5°	646.3	645.8	645.5	645.1	644.2	643.4	642.5	641.7	642.5	643.4	644.2
140°	679.7	679.6	679.5	679.1	678.2	677.4	676.5	675.7	676.5	677.4	678.2
142.5°	710.9	710.6	710.4	710.0	709.2	708.3	707.5	706.7	707.5	708.3	709.2
145°	741.4	740.9	740.6	740.4	740.1	739.8	739.4	739.1	739.4	739.8	740.1
147.5°	770.8	770.3	770.1	769.8	769.1	768.4	767.7	767.0	767.7	768.4	769.1
150°	798.5	798.2	798.0	797.8	797.5	797.2	796.8	796.5	796.8	797.2	797.5
152.5°	823.2	823.0	822.9	822.7	822.2	821.7	821.2	820.7	821.2	821.7	822.2
155°	846.6	846.4	846.3	846.3	846.3	846.3	846.3	846.3	846.3	846.3	846.3
157.5°	867.7	867.6	867.5	867.6	867.7	867.9	868.0	868.2	868.0	867.9	867.7
160°	887.1	887.1	887.1	887.3	887.6	887.9	888.3	888.6	888.3	887.9	887.6
162.5°	904.7	904.6	904.5	904.7	905.2	905.7	906.2	906.7	906.2	905.7	905.2
165°	919.6	919.6	919.6	919.8	920.3	920.8	921.3	921.8	921.3	920.8	920.3
167.5°	931.9	931.7	931.6	931.9	932.6	933.3	934.0	934.7	934.0	933.3	932.6
170°	942.2	942.2	942.2	942.5	943.2	943.9	944.5	945.2	944.5	943.9	943.2
172.5°	950.5	950.5	950.5	950.8	951.5	952.2	952.8	953.5	952.8	952.2	951.5
175°	955.8	955.8	955.8	956.1	956.8	957.5	958.1	958.8	958.1	957.5	956.8
177.5°	958.8	958.8	958.8	959.1	959.8	960.5	961.1	961.8	961.1	960.5	959.8
180°	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

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°	7.5	8.3	9.4	11.6	13.7	15.9	18.1	18.8	19.4	20.1	20.8
92.5°	26.7	27.2	27.7	28.7	29.7	30.7	31.7	32.2	32.7	33.2	33.7
95°	49.2	49.8	50.5	51.8	53.2	54.5	55.9	56.6	57.2	57.9	58.6
97.5°	76.6	77.0	77.5	78.5	79.5	80.5	81.5	82.3	83.2	84.0	84.9
100°	106.7	107.2	107.6	108.5	109.3	110.2	111.0	111.5	112.0	112.5	113.0
102.5°	138.6	138.9	139.5	140.7	141.8	143.0	144.2	144.7	145.2	145.7	146.2
105°	171.2	171.4	172.2	173.7	175.2	176.7	178.2	178.2	178.2	178.2	178.2
107.5°	209.8	209.9	210.2	210.9	211.6	212.2	212.9	213.4	213.9	214.4	214.9
110°	246.7	246.9	247.1	247.4	247.7	248.1	248.4	249.1	249.7	250.4	251.1

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	283.8	283.9	283.9	283.9	283.9	283.9	283.9	284.7	285.5	286.4	287.2
115°	322.9	323.1	322.9	322.6	322.3	321.9	321.6	321.8	322.0	322.1	322.3
117.5°	360.0	360.1	359.9	359.6	359.3	358.9	358.6	358.6	358.6	358.6	358.6
120°	398.9	399.4	399.0	398.1	397.3	396.4	395.6	395.4	395.2	395.1	394.9
122.5°	434.6	434.9	434.7	434.4	434.1	433.7	433.4	432.9	432.4	431.9	431.4
125°	471.6	471.9	471.7	471.4	471.0	470.7	470.3	469.6	469.0	468.3	467.6
127.5°	508.3	508.8	508.6	508.3	508.0	507.6	507.3	506.3	505.3	504.3	503.3
130°	544.4	545.1	544.8	544.3	543.8	543.3	542.8	542.1	541.5	540.8	540.1
132.5°	579.1	579.8	579.6	579.3	579.0	578.6	578.3	577.5	576.6	575.8	574.9
135°	613.3	613.8	613.7	613.5	613.4	613.2	613.0	612.3	611.7	611.0	610.3
137.5°	645.1	645.5	645.8	646.3	646.8	647.3	647.8	647.0	646.1	645.3	644.4
140°	679.1	679.5	679.6	679.7	679.9	680.0	680.2	680.0	679.9	679.7	679.6
142.5°	710.0	710.4	710.6	710.9	711.2	711.6	711.9	711.7	711.6	711.4	711.3
145°	740.4	740.6	740.9	741.4	741.9	742.4	742.9	742.7	742.5	742.4	742.2
147.5°	769.8	770.1	770.3	770.8	771.3	771.8	772.3	772.3	772.3	772.3	772.3
150°	797.8	798.0	798.2	798.5	798.8	799.2	799.5	799.5	799.5	799.5	799.5
152.5°	822.7	822.9	823.0	823.2	823.3	823.5	823.7	824.0	824.4	824.7	825.0
155°	846.3	846.3	846.4	846.6	846.7	846.9	847.1	847.8	848.4	849.1	849.8
157.5°	867.6	867.5	867.6	867.7	867.9	868.0	868.2	868.9	869.5	870.2	870.9
160°	887.3	887.1	887.1	887.1	887.1	887.1	887.1	887.9	888.8	889.6	890.5
162.5°	904.7	904.5	904.6	904.7	904.9	905.0	905.2	906.0	906.9	907.7	908.6
165°	919.8	919.6	919.6	919.6	919.6	919.6	919.6	920.6	921.6	922.6	923.6
167.5°	931.9	931.6	931.7	931.9	932.0	932.2	932.4	933.4	934.4	935.4	936.4
170°	942.5	942.2	942.2	942.2	942.2	942.2	942.2	943.4	944.6	945.7	946.9
172.5°	950.8	950.5	950.5	950.5	950.5	950.5	950.5	951.5	952.5	953.5	954.5
175°	956.1	955.8	955.8	955.8	955.8	955.8	955.8	956.8	957.8	958.8	959.8
177.5°	959.1	958.8	958.8	958.8	958.8	958.8	958.8	959.8	960.8	961.8	962.8
180°	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

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°	21.1	21.3	21.6	21.9	22.3	22.6	22.3	21.9	21.6	21.3	21.1
92.5°	34.0	33.8	33.5	33.2	32.8	32.5	32.8	33.2	33.5	33.8	34.0
95°	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
97.5°	85.3	85.2	85.1	84.9	84.8	84.6	84.8	84.9	85.1	85.2	85.3
100°	113.2	113.4	113.7	114.1	114.4	114.8	114.4	114.1	113.7	113.4	113.2
102.5°	146.5	146.4	146.2	146.1	145.9	145.7	145.9	146.1	146.2	146.4	146.5
105°	178.2	178.4	178.7	179.0	179.4	179.7	179.4	179.0	178.7	178.4	178.2
107.5°	215.2	215.1	214.9	214.8	214.6	214.4	214.6	214.8	214.9	215.1	215.2
110°	251.4	251.2	250.9	250.6	250.2	249.9	250.2	250.6	250.9	251.2	251.4



TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6	287.6
115°	322.4	322.3	322.1	322.0	321.8	321.6	321.8	322.0	322.1	322.3	322.4
117.5°	358.6	358.3	357.8	357.3	356.8	356.3	356.8	357.3	357.8	358.3	358.6
120°	394.8	394.6	394.3	394.0	393.6	393.3	393.6	394.0	394.3	394.6	394.8
122.5°	431.1	430.8	430.3	429.8	429.3	428.8	429.3	429.8	430.3	430.8	431.1
125°	467.3	467.0	466.3	465.6	465.0	464.3	465.0	465.6	466.3	467.0	467.3
127.5°	502.8	502.5	501.8	501.1	500.5	499.8	500.5	501.1	501.8	502.5	502.8
130°	539.8	539.2	538.0	536.9	535.7	534.5	535.7	536.9	538.0	539.2	539.8
132.5°	574.5	574.1	573.3	572.4	571.6	570.8	571.6	572.4	573.3	574.1	574.5
135°	610.0	609.8	609.5	609.2	608.8	608.5	608.8	609.2	609.5	609.8	610.0
137.5°	644.0	643.7	643.2	642.7	642.2	641.7	642.2	642.7	643.2	643.7	644.0
140°	679.5	678.9	677.7	676.6	675.4	674.2	675.4	676.6	677.7	678.9	679.5
142.5°	711.2	710.8	709.9	709.1	708.2	707.4	708.2	709.1	709.9	710.8	711.2
145°	742.1	741.8	741.1	740.4	739.8	739.1	739.8	740.4	741.1	741.8	742.1
147.5°	772.3	771.8	770.8	769.8	768.8	767.8	768.8	769.8	770.8	771.8	772.3
150°	799.5	799.0	798.0	797.0	796.0	795.0	796.0	797.0	798.0	799.0	799.5
152.5°	825.2	824.8	823.9	823.1	822.2	821.4	822.2	823.1	823.9	824.8	825.2
155°	850.1	849.5	848.3	847.2	846.0	844.8	846.0	847.2	848.3	849.5	850.1
157.5°	871.2	870.7	869.7	868.7	867.7	866.7	867.7	868.7	869.7	870.7	871.2
160°	890.9	890.6	889.9	889.2	888.5	887.8	888.5	889.2	889.9	890.6	890.9
162.5°	909.0	908.4	907.2	906.1	904.9	903.7	904.9	906.1	907.2	908.4	909.0
165°	924.1	923.5	922.3	921.2	920.0	918.8	920.0	921.2	922.3	923.5	924.1
167.5°	936.9	936.4	935.4	934.4	933.4	932.4	933.4	934.4	935.4	936.4	936.9
170°	947.5	946.9	945.7	944.6	943.4	942.2	943.4	944.6	945.7	946.9	947.5
172.5°	955.0	954.4	953.3	952.1	951.0	949.8	951.0	952.1	953.3	954.4	955.0
175°	960.3	959.7	958.5	957.4	956.2	955.0	956.2	957.4	958.5	959.7	960.3
177.5°	963.3	962.7	961.6	960.4	959.3	958.1	959.3	960.4	961.6	962.7	963.3
180°	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

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°	20.8	20.1	19.4	18.8	18.1	15.9	13.7	11.6	9.4	8.3	7.5
92.5°	33.7	33.2	32.7	32.2	31.7	30.7	29.7	28.7	27.7	27.2	26.7
95°	58.6	57.9	57.2	56.6	55.9	54.5	53.2	51.8	50.5	49.8	49.2
97.5°	84.9	84.0	83.2	82.3	81.5	80.5	79.5	78.5	77.5	77.0	76.6
100°	113.0	112.5	112.0	111.5	111.0	110.2	109.3	108.5	107.6	107.2	106.7
102.5°	146.2	145.7	145.2	144.7	144.2	143.0	141.8	140.7	139.5	138.9	138.6
105°	178.2	178.2	178.2	178.2	178.2	176.7	175.2	173.7	172.2	171.4	171.2
107.5°	214.9	214.4	213.9	213.4	212.9	212.2	211.6	210.9	210.2	209.9	209.8
110°	251.1	250.4	249.7	249.1	248.4	248.1	247.7	247.4	247.1	246.9	246.7

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	287.2	286.4	285.5	284.7	283.9	283.9	283.9	283.9	283.9	283.9	283.8
115°	322.3	322.1	322.0	321.8	321.6	321.9	322.3	322.6	322.9	323.1	322.9
117.5°	358.6	358.6	358.6	358.6	358.6	358.9	359.3	359.6	359.9	360.1	360.0
120°	394.9	395.1	395.2	395.4	395.6	396.4	397.3	398.1	399.0	399.4	398.9
122.5°	431.4	431.9	432.4	432.9	433.4	433.7	434.1	434.4	434.7	434.9	434.6
125°	467.6	468.3	469.0	469.6	470.3	470.7	471.0	471.4	471.7	471.9	471.6
127.5°	503.3	504.3	505.3	506.3	507.3	507.6	508.0	508.3	508.6	508.8	508.3
130°	540.1	540.8	541.5	542.1	542.8	543.3	543.8	544.3	544.8	545.1	544.4
132.5°	574.9	575.8	576.6	577.5	578.3	578.6	579.0	579.3	579.6	579.8	579.1
135°	610.3	611.0	611.7	612.3	613.0	613.2	613.4	613.5	613.7	613.8	613.3
137.5°	644.4	645.3	646.1	647.0	647.8	647.3	646.8	646.3	645.8	645.5	645.1
140°	679.6	679.7	679.9	680.0	680.2	680.0	679.9	679.7	679.6	679.5	679.1
142.5°	711.3	711.4	711.6	711.7	711.9	711.6	711.2	710.9	710.6	710.4	710.0
145°	742.2	742.4	742.5	742.7	742.9	742.4	741.9	741.4	740.9	740.6	740.4
147.5°	772.3	772.3	772.3	772.3	772.3	771.8	771.3	770.8	770.3	770.1	769.8
150°	799.5	799.5	799.5	799.5	799.5	799.2	798.8	798.5	798.2	798.0	797.8
152.5°	825.0	824.7	824.4	824.0	823.7	823.5	823.3	823.2	823.0	822.9	822.7
155°	849.8	849.1	848.4	847.8	847.1	846.9	846.7	846.6	846.4	846.3	846.3
157.5°	870.9	870.2	869.5	868.9	868.2	868.0	867.9	867.7	867.6	867.5	867.6
160°	890.5	889.6	888.8	887.9	887.1	887.1	887.1	887.1	887.1	887.1	887.3
162.5°	908.6	907.7	906.9	906.0	905.2	905.0	904.9	904.7	904.6	904.5	904.7
165°	923.6	922.6	921.6	920.6	919.6	919.6	919.6	919.6	919.6	919.6	919.8
167.5°	936.4	935.4	934.4	933.4	932.4	932.2	932.0	931.9	931.7	931.6	931.9
170°	946.9	945.7	944.6	943.4	942.2	942.2	942.2	942.2	942.2	942.2	942.5
172.5°	954.5	953.5	952.5	951.5	950.5	950.5	950.5	950.5	950.5	950.5	950.8
175°	959.8	958.8	957.8	956.8	955.8	955.8	955.8	955.8	955.8	955.8	956.1
177.5°	962.8	961.8	960.8	959.8	958.8	958.8	958.8	958.8	958.8	958.8	959.1
180°	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1	961.1

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

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°	5.8	4.1	2.5	0.8
92.5°	25.7	24.6	23.6	22.6
95°	48.0	46.9	45.7	44.5
97.5°	75.7	74.9	74.0	73.2
100°	105.7	104.7	103.7	102.7
102.5°	138.1	137.6	137.1	136.6
105°	170.9	170.6	170.2	169.9
107.5°	209.6	209.5	209.3	209.1
110°	246.4	246.1	245.7	245.4

TEST NUMBER: P1032353

CATALOG NUMBER: S123RDIW-B560D755UB30-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	283.6	283.5	283.3	283.1
115°	322.4	321.9	321.4	320.9
117.5°	359.9	359.7	359.6	359.4
120°	397.9	396.8	395.8	394.8
122.5°	433.9	433.2	432.5	431.8
125°	471.1	470.6	470.1	469.6
127.5°	507.3	506.3	505.3	504.3
130°	543.1	541.7	540.4	539.0
132.5°	577.8	576.5	575.1	573.8
135°	612.3	611.3	610.3	609.3
137.5°	644.2	643.4	642.5	641.7
140°	678.2	677.4	676.5	675.7
142.5°	709.2	708.3	707.5	706.7
145°	740.1	739.8	739.4	739.1
147.5°	769.1	768.4	767.7	767.0
150°	797.5	797.2	796.8	796.5
152.5°	822.2	821.7	821.2	820.7
155°	846.3	846.3	846.3	846.3
157.5°	867.7	867.9	868.0	868.2
160°	887.6	887.9	888.3	888.6
162.5°	905.2	905.7	906.2	906.7
165°	920.3	920.8	921.3	921.8
167.5°	932.6	933.3	934.0	934.7
170°	943.2	943.9	944.5	945.2
172.5°	951.5	952.2	952.8	953.5
175°	956.8	957.5	958.1	958.8
177.5°	959.8	960.5	961.1	961.8
180°	961.1	961.1	961.1	961.1

(END OF REPORT)