

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: P1032332

Luminaire Tested: S123RDIW-B560D460UB30-4F0-XX-W2A-A

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032332
REPORT IS A COMBINATION OF REPORTS P994531 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B560D460UB30-4F0-XX-W2A-A
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

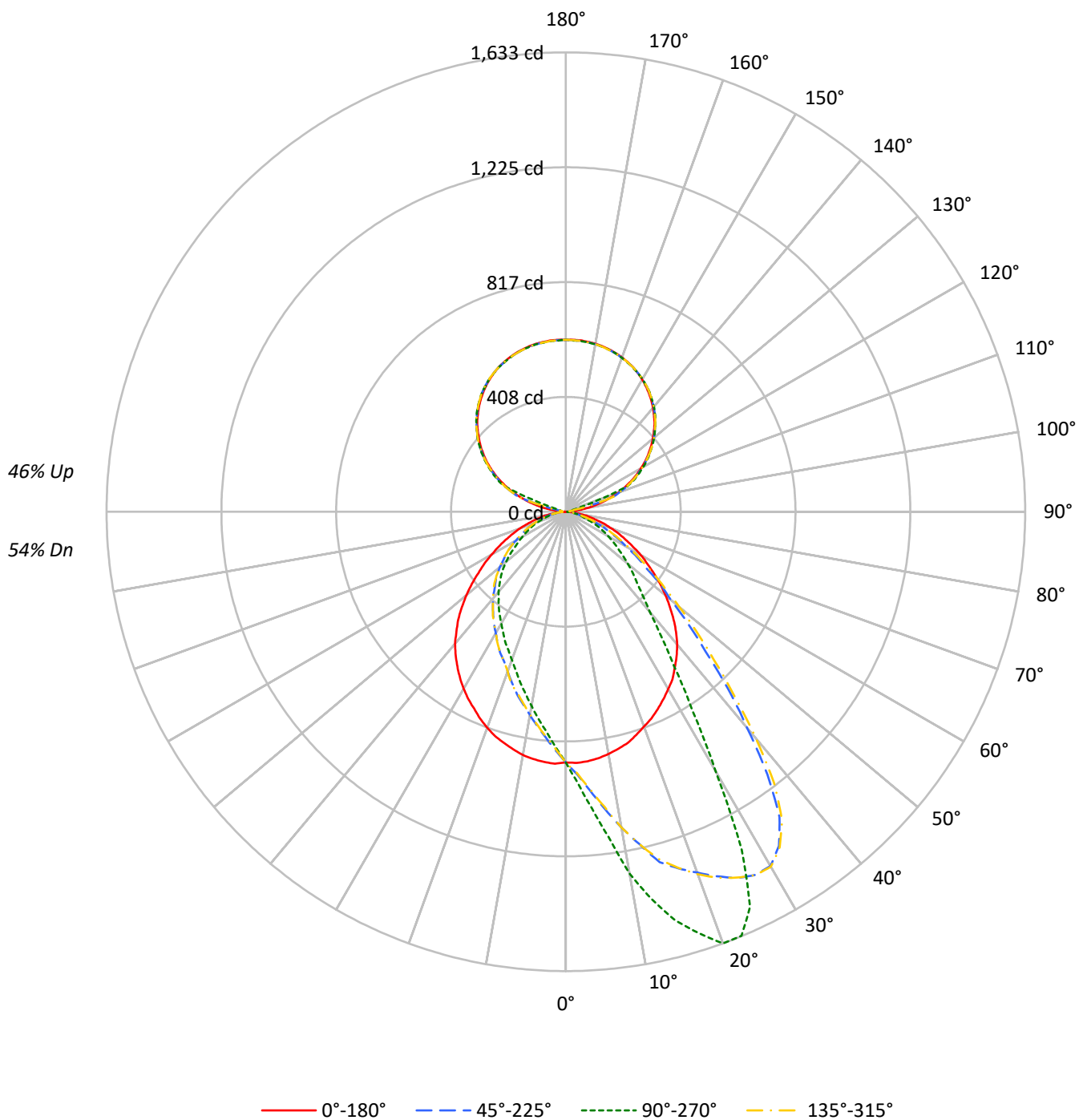
Lumens per Lamp: N/A
Luminaire Lumens: 4084.0 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 37.2
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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	54	53	52
2	91	84	78	73	84	78	73	69	68	64	60	58	55	52	48	47	45
3	83	74	67	62	77	69	63	58	60	55	52	51	48	45	43	41	39
4	77	66	59	53	71	62	55	50	54	49	45	46	42	39	39	36	34
5	71	59	51	46	65	56	49	43	48	43	39	42	38	34	36	33	30
6	65	53	46	40	60	50	43	38	44	38	34	38	34	30	33	29	27
7	60	48	41	35	56	46	39	34	40	34	30	35	30	27	30	27	24
8	56	44	37	31	52	42	35	30	37	31	27	32	28	24	28	24	22
9	52	40	33	28	49	38	31	27	34	28	24	29	25	22	25	22	20
10	49	37	30	25	46	35	29	24	31	26	22	27	23	20	24	20	18

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	2.1
10°-20°	274.0	6.7
20°-30°	431.5	10.6
30°-40°	448.7	11.0
40°-50°	383.8	9.4
50°-60°	292.6	7.2
60°-70°	187.5	4.6
70°-80°	89.8	2.2
80°-90°	24.8	0.6
90°-100°	21.6	0.5
100°-110°	104.2	2.6
110°-120°	255.4	6.3
120°-130°	324.3	7.9
130°-140°	346.4	8.5
140°-150°	323.9	7.9
150°-160°	261.3	6.4
160°-170°	168.6	4.1
170°-180°	58.1	1.4
0°-30°	792.9	19.4
0°-40°	1241.6	30.4
0°-60°	1918.1	47.0
0°-90°	2220.2	54.4
90°-120°	381.2	9.3
90°-150°	1375.8	33.7
90°-180°	1864.0	45.6
0°-180°	4084.0	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°	0	14	0	14	0	3
95°	28	17	28	17	28	33
105°	135	20	135	20	135	144
115°	254	267	254	267	254	251
125°	358	365	358	365	358	320
135°	446	450	446	450	446	343
145°	514	519	514	519	514	322
155°	566	566	566	566	566	261
165°	597	596	597	596	597	169
175°	611	609	611	609	611	58
180°	611	611	611	611	611	

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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°	0.5	1.5	2.5	3.5	4.5	5.0	5.7	7.0	8.3	9.6	10.9
92.5°	10.4	9.8	9.2	8.6	8.0	7.7	8.2	9.1	10.0	10.9	11.8
95°	27.7	23.6	19.4	15.3	11.2	9.1	9.7	10.8	11.9	13.0	14.1
97.5°	50.4	47.6	44.8	41.9	39.1	37.7	35.1	30.0	24.8	19.7	14.5
100°	76.8	78.8	80.8	82.8	84.8	85.8	77.9	62.2	46.5	30.7	15.0
102.5°	106.7	108.0	109.3	110.6	111.9	112.6	103.8	86.3	68.7	51.2	33.6
105°	135.4	136.5	137.6	138.7	139.8	140.3	135.8	126.7	117.6	108.6	99.5
107.5°	165.8	166.7	167.6	168.5	169.4	169.9	170.7	172.2	173.7	175.2	176.7
110°	196.2	197.0	197.8	198.6	199.4	199.8	200.4	201.5	202.6	203.7	204.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	225.3	226.0	226.7	227.4	228.1	228.5	229.1	230.2	231.3	232.4	233.5
115°	253.9	254.5	255.1	255.7	256.3	256.6	257.1	258.0	258.9	259.8	260.7
117.5°	282.1	282.8	283.5	284.2	284.9	285.2	285.5	286.0	286.5	287.0	287.5
120°	308.0	308.9	309.8	310.7	311.6	312.0	312.2	312.5	312.8	313.1	313.4
122.5°	334.3	335.0	335.7	336.4	337.1	337.5	337.7	338.1	338.5	338.9	339.3
125°	357.9	358.7	359.5	360.3	361.1	361.5	361.7	362.1	362.6	363.0	363.4
127.5°	381.5	382.3	383.1	384.0	384.8	385.2	385.4	385.9	386.4	386.9	387.4
130°	403.3	404.1	404.9	405.8	406.6	407.0	407.2	407.6	408.0	408.4	408.8
132.5°	424.2	425.0	425.8	426.7	427.5	427.9	428.0	428.3	428.6	428.9	429.2
135°	445.6	446.2	446.8	447.4	448.0	448.3	448.5	448.9	449.3	449.7	450.1
137.5°	463.7	464.5	465.3	466.2	467.0	467.4	467.5	467.7	467.9	468.1	468.3
140°	481.9	482.5	483.1	483.7	484.3	484.6	484.8	485.1	485.4	485.7	486.0
142.5°	498.7	499.3	499.9	500.5	501.1	501.4	501.6	501.9	502.2	502.5	502.8
145°	514.2	514.9	515.6	516.3	517.0	517.3	517.4	517.6	517.8	518.0	518.2
147.5°	529.1	529.6	530.1	530.6	531.1	531.4	531.5	531.7	531.9	532.1	532.3
150°	542.8	543.1	543.4	543.7	544.0	544.1	544.2	544.4	544.6	544.8	545.0
152.5°	555.0	555.1	555.2	555.3	555.4	555.5	555.5	555.6	555.7	555.8	555.9
155°	566.4	566.2	566.0	565.8	565.6	565.5	565.5	565.6	565.7	565.8	565.9
157.5°	575.5	575.5	575.5	575.5	575.5	575.5	575.4	575.3	575.2	575.1	575.0
160°	583.7	583.6	583.5	583.4	583.3	583.2	583.1	583.0	582.9	582.8	582.7
162.5°	591.4	591.1	590.8	590.5	590.2	590.0	590.0	589.9	589.8	589.7	589.6
165°	597.3	597.0	596.7	596.4	596.1	595.9	595.9	595.8	595.7	595.6	595.5
167.5°	602.3	601.9	601.5	601.1	600.7	600.5	600.5	600.5	600.5	600.5	600.5
170°	606.4	606.0	605.6	605.1	604.7	604.5	604.5	604.5	604.5	604.5	604.5
172.5°	609.1	608.6	608.1	607.6	607.1	606.8	606.9	607.0	607.1	607.2	607.3
175°	611.4	610.9	610.4	609.9	609.4	609.1	609.1	609.2	609.3	609.4	609.5
177.5°	612.3	611.8	611.3	610.8	610.3	610.0	610.1	610.2	610.3	610.4	610.5
180°	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4

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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°	11.3	11.7	12.1	12.5	12.7	12.8	13.0	13.2	13.4	13.6	13.4
92.5°	12.5	13.2	13.9	14.6	15.0	15.0	15.1	15.2	15.3	15.4	15.3
95°	14.8	15.5	16.2	16.9	17.3	17.3	17.3	17.3	17.3	17.3	17.3
97.5°	15.3	16.1	17.0	17.8	18.2	18.2	18.3	18.4	18.5	18.6	18.5
100°	15.8	16.6	17.4	18.2	18.6	18.7	18.8	18.9	19.0	19.1	19.0
102.5°	30.3	26.9	23.6	20.3	18.6	18.7	18.9	19.1	19.3	19.5	19.3
105°	81.6	63.8	45.9	28.0	19.1	19.2	19.4	19.6	19.8	20.0	19.8
107.5°	161.1	145.6	130.0	114.5	106.7	100.1	86.9	73.6	60.4	47.2	60.4
110°	201.5	198.2	194.9	191.6	189.9	182.7	168.2	153.8	139.3	124.9	139.3

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	234.4	235.3	236.2	237.1	237.5	237.4	237.2	237.0	236.8	236.6	236.8
115°	261.7	262.7	263.8	264.8	265.3	265.5	265.9	266.3	266.7	267.1	266.7
117.5°	288.3	289.1	289.9	290.7	291.1	291.2	291.3	291.4	291.5	291.6	291.5
120°	314.2	315.0	315.8	316.6	317.0	317.0	317.0	317.0	317.0	317.0	317.0
122.5°	339.8	340.3	340.8	341.3	341.6	341.6	341.7	341.8	341.9	342.0	341.9
125°	363.6	363.8	364.0	364.2	364.3	364.4	364.6	364.8	365.0	365.2	365.0
127.5°	387.7	388.0	388.3	388.6	388.8	388.7	388.5	388.3	388.1	387.9	388.1
130°	409.2	409.6	410.0	410.4	410.6	410.5	410.3	410.1	409.9	409.7	409.9
132.5°	429.6	430.0	430.4	430.8	431.0	430.9	430.6	430.3	430.0	429.7	430.0
135°	450.4	450.7	451.0	451.3	451.5	451.3	451.0	450.7	450.4	450.1	450.4
137.5°	468.8	469.3	469.8	470.3	470.6	470.5	470.3	470.0	469.8	469.6	469.8
140°	486.4	486.8	487.2	487.6	487.8	487.7	487.5	487.3	487.1	486.9	487.1
142.5°	503.1	503.4	503.7	504.0	504.2	504.0	503.7	503.4	503.1	502.8	503.1
145°	518.4	518.6	518.9	519.1	519.2	519.2	519.2	519.2	519.2	519.2	519.2
147.5°	532.5	532.7	532.9	533.1	533.2	533.0	532.5	532.0	531.5	531.0	531.5
150°	545.2	545.4	545.7	545.9	546.0	545.8	545.5	545.2	544.9	544.6	544.9
152.5°	556.3	556.7	557.2	557.6	557.8	557.5	557.0	556.5	556.0	555.5	556.0
155°	566.4	566.9	567.4	567.9	568.2	567.9	567.3	566.7	566.1	565.5	566.1
157.5°	575.6	576.2	576.8	577.4	577.7	577.3	576.5	575.7	574.9	574.1	574.9
160°	583.3	583.9	584.6	585.2	585.5	585.1	584.4	583.7	583.0	582.3	583.0
162.5°	590.3	591.0	591.7	592.4	592.7	592.4	591.8	591.2	590.6	590.0	590.6
165°	596.3	597.1	597.9	598.7	599.1	598.7	598.0	597.3	596.6	595.9	596.6
167.5°	601.3	602.1	602.9	603.7	604.1	603.7	602.9	602.1	601.3	600.5	601.3
170°	605.3	606.1	607.0	607.8	608.2	607.8	607.0	606.1	605.3	604.5	605.3
172.5°	608.1	608.9	609.7	610.5	610.9	610.4	609.5	608.6	607.7	606.8	607.7
175°	610.2	610.9	611.6	612.3	612.7	612.3	611.5	610.7	609.9	609.1	609.9
177.5°	611.3	612.1	612.9	613.7	614.1	613.6	612.6	611.5	610.5	609.5	610.5
180°	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

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°	13.2	13.0	12.8	12.7	12.5	12.1	11.7	11.3	10.9	9.6	8.3
92.5°	15.2	15.1	15.0	15.0	14.6	13.9	13.2	12.5	11.8	10.9	10.0
95°	17.3	17.3	17.3	17.3	16.9	16.2	15.5	14.8	14.1	13.0	11.9
97.5°	18.4	18.3	18.2	18.2	17.8	17.0	16.1	15.3	14.5	19.7	24.8
100°	18.9	18.8	18.7	18.6	18.2	17.4	16.6	15.8	15.0	30.7	46.5
102.5°	19.1	18.9	18.7	18.6	20.3	23.6	26.9	30.3	33.6	51.2	68.7
105°	19.6	19.4	19.2	19.1	28.0	45.9	63.8	81.6	99.5	108.6	117.6
107.5°	73.6	86.9	100.1	106.7	114.5	130.0	145.6	161.1	176.7	175.2	173.7
110°	153.8	168.2	182.7	189.9	191.6	194.9	198.2	201.5	204.8	203.7	202.6

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	237.0	237.2	237.4	237.5	237.1	236.2	235.3	234.4	233.5	232.4	231.3
115°	266.3	265.9	265.5	265.3	264.8	263.8	262.7	261.7	260.7	259.8	258.9
117.5°	291.4	291.3	291.2	291.1	290.7	289.9	289.1	288.3	287.5	287.0	286.5
120°	317.0	317.0	317.0	317.0	316.6	315.8	315.0	314.2	313.4	313.1	312.8
122.5°	341.8	341.7	341.6	341.6	341.3	340.8	340.3	339.8	339.3	338.9	338.5
125°	364.8	364.6	364.4	364.3	364.2	364.0	363.8	363.6	363.4	363.0	362.6
127.5°	388.3	388.5	388.7	388.8	388.6	388.3	388.0	387.7	387.4	386.9	386.4
130°	410.1	410.3	410.5	410.6	410.4	410.0	409.6	409.2	408.8	408.4	408.0
132.5°	430.3	430.6	430.9	431.0	430.8	430.4	430.0	429.6	429.2	428.9	428.6
135°	450.7	451.0	451.3	451.5	451.3	451.0	450.7	450.4	450.1	449.7	449.3
137.5°	470.0	470.3	470.5	470.6	470.3	469.8	469.3	468.8	468.3	468.1	467.9
140°	487.3	487.5	487.7	487.8	487.6	487.2	486.8	486.4	486.0	485.7	485.4
142.5°	503.4	503.7	504.0	504.2	504.0	503.7	503.4	503.1	502.8	502.5	502.2
145°	519.2	519.2	519.2	519.2	519.1	518.9	518.6	518.4	518.2	518.0	517.8
147.5°	532.0	532.5	533.0	533.2	533.1	532.9	532.7	532.5	532.3	532.1	531.9
150°	545.2	545.5	545.8	546.0	545.9	545.7	545.4	545.2	545.0	544.8	544.6
152.5°	556.5	557.0	557.5	557.8	557.6	557.2	556.7	556.3	555.9	555.8	555.7
155°	566.7	567.3	567.9	568.2	567.9	567.4	566.9	566.4	565.9	565.8	565.7
157.5°	575.7	576.5	577.3	577.7	577.4	576.8	576.2	575.6	575.0	575.1	575.2
160°	583.7	584.4	585.1	585.5	585.2	584.6	583.9	583.3	582.7	582.8	582.9
162.5°	591.2	591.8	592.4	592.7	592.4	591.7	591.0	590.3	589.6	589.7	589.8
165°	597.3	598.0	598.7	599.1	598.7	597.9	597.1	596.3	595.5	595.6	595.7
167.5°	602.1	602.9	603.7	604.1	603.7	602.9	602.1	601.3	600.5	600.5	600.5
170°	606.1	607.0	607.8	608.2	607.8	607.0	606.1	605.3	604.5	604.5	604.5
172.5°	608.6	609.5	610.4	610.9	610.5	609.7	608.9	608.1	607.3	607.2	607.1
175°	610.7	611.5	612.3	612.7	612.3	611.6	610.9	610.2	609.5	609.4	609.3
177.5°	611.5	612.6	613.6	614.1	613.7	612.9	612.1	611.3	610.5	610.4	610.3
180°	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

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°	7.0	5.7	5.0	4.5	3.5	2.5	1.5	0.5	1.5	2.5	3.5
92.5°	9.1	8.2	7.7	8.0	8.6	9.2	9.8	10.4	9.8	9.2	8.6
95°	10.8	9.7	9.1	11.2	15.3	19.4	23.6	27.7	23.6	19.4	15.3
97.5°	30.0	35.1	37.7	39.1	41.9	44.8	47.6	50.4	47.6	44.8	41.9
100°	62.2	77.9	85.8	84.8	82.8	80.8	78.8	76.8	78.8	80.8	82.8
102.5°	86.3	103.8	112.6	111.9	110.6	109.3	108.0	106.7	108.0	109.3	110.6
105°	126.7	135.8	140.3	139.8	138.7	137.6	136.5	135.4	136.5	137.6	138.7
107.5°	172.2	170.7	169.9	169.4	168.5	167.6	166.7	165.8	166.7	167.6	168.5
110°	201.5	200.4	199.8	199.4	198.6	197.8	197.0	196.2	197.0	197.8	198.6

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	230.2	229.1	228.5	228.1	227.4	226.7	226.0	225.3	226.0	226.7	227.4
115°	258.0	257.1	256.6	256.3	255.7	255.1	254.5	253.9	254.5	255.1	255.7
117.5°	286.0	285.5	285.2	284.9	284.2	283.5	282.8	282.1	282.8	283.5	284.2
120°	312.5	312.2	312.0	311.6	310.7	309.8	308.9	308.0	308.9	309.8	310.7
122.5°	338.1	337.7	337.5	337.1	336.4	335.7	335.0	334.3	335.0	335.7	336.4
125°	362.1	361.7	361.5	361.1	360.3	359.5	358.7	357.9	358.7	359.5	360.3
127.5°	385.9	385.4	385.2	384.8	384.0	383.1	382.3	381.5	382.3	383.1	384.0
130°	407.6	407.2	407.0	406.6	405.8	404.9	404.1	403.3	404.1	404.9	405.8
132.5°	428.3	428.0	427.9	427.5	426.7	425.8	425.0	424.2	425.0	425.8	426.7
135°	448.9	448.5	448.3	448.0	447.4	446.8	446.2	445.6	446.2	446.8	447.4
137.5°	467.7	467.5	467.4	467.0	466.2	465.3	464.5	463.7	464.5	465.3	466.2
140°	485.1	484.8	484.6	484.3	483.7	483.1	482.5	481.9	482.5	483.1	483.7
142.5°	501.9	501.6	501.4	501.1	500.5	499.9	499.3	498.7	499.3	499.9	500.5
145°	517.6	517.4	517.3	517.0	516.3	515.6	514.9	514.2	514.9	515.6	516.3
147.5°	531.7	531.5	531.4	531.1	530.6	530.1	529.6	529.1	529.6	530.1	530.6
150°	544.4	544.2	544.1	544.0	543.7	543.4	543.1	542.8	543.1	543.4	543.7
152.5°	555.6	555.5	555.5	555.4	555.3	555.2	555.1	555.0	555.1	555.2	555.3
155°	565.6	565.5	565.5	565.6	565.8	566.0	566.2	566.4	566.2	566.0	565.8
157.5°	575.3	575.4	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5	575.5
160°	583.0	583.1	583.2	583.3	583.4	583.5	583.6	583.7	583.6	583.5	583.4
162.5°	589.9	590.0	590.0	590.2	590.5	590.8	591.1	591.4	591.1	590.8	590.5
165°	595.8	595.9	595.9	596.1	596.4	596.7	597.0	597.3	597.0	596.7	596.4
167.5°	600.5	600.5	600.5	600.7	601.1	601.5	601.9	602.3	601.9	601.5	601.1
170°	604.5	604.5	604.5	604.7	605.1	605.6	606.0	606.4	606.0	605.6	605.1
172.5°	607.0	606.9	606.8	607.1	607.6	608.1	608.6	609.1	608.6	608.1	607.6
175°	609.2	609.1	609.1	609.4	609.9	610.4	610.9	611.4	610.9	610.4	609.9
177.5°	610.2	610.1	610.0	610.3	610.8	611.3	611.8	612.3	611.8	611.3	610.8
180°	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

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°	4.5	5.0	5.7	7.0	8.3	9.6	10.9	11.3	11.7	12.1	12.5
92.5°	8.0	7.7	8.2	9.1	10.0	10.9	11.8	12.5	13.2	13.9	14.6
95°	11.2	9.1	9.7	10.8	11.9	13.0	14.1	14.8	15.5	16.2	16.9
97.5°	39.1	37.7	35.1	30.0	24.8	19.7	14.5	15.3	16.1	17.0	17.8
100°	84.8	85.8	77.9	62.2	46.5	30.7	15.0	15.8	16.6	17.4	18.2
102.5°	111.9	112.6	103.8	86.3	68.7	51.2	33.6	30.3	26.9	23.6	20.3
105°	139.8	140.3	135.8	126.7	117.6	108.6	99.5	81.6	63.8	45.9	28.0
107.5°	169.4	169.9	170.7	172.2	173.7	175.2	176.7	161.1	145.6	130.0	114.5
110°	199.4	199.8	200.4	201.5	202.6	203.7	204.8	201.5	198.2	194.9	191.6

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	228.1	228.5	229.1	230.2	231.3	232.4	233.5	234.4	235.3	236.2	237.1
115°	256.3	256.6	257.1	258.0	258.9	259.8	260.7	261.7	262.7	263.8	264.8
117.5°	284.9	285.2	285.5	286.0	286.5	287.0	287.5	288.3	289.1	289.9	290.7
120°	311.6	312.0	312.2	312.5	312.8	313.1	313.4	314.2	315.0	315.8	316.6
122.5°	337.1	337.5	337.7	338.1	338.5	338.9	339.3	339.8	340.3	340.8	341.3
125°	361.1	361.5	361.7	362.1	362.6	363.0	363.4	363.6	363.8	364.0	364.2
127.5°	384.8	385.2	385.4	385.9	386.4	386.9	387.4	387.7	388.0	388.3	388.6
130°	406.6	407.0	407.2	407.6	408.0	408.4	408.8	409.2	409.6	410.0	410.4
132.5°	427.5	427.9	428.0	428.3	428.6	428.9	429.2	429.6	430.0	430.4	430.8
135°	448.0	448.3	448.5	448.9	449.3	449.7	450.1	450.4	450.7	451.0	451.3
137.5°	467.0	467.4	467.5	467.7	467.9	468.1	468.3	468.8	469.3	469.8	470.3
140°	484.3	484.6	484.8	485.1	485.4	485.7	486.0	486.4	486.8	487.2	487.6
142.5°	501.1	501.4	501.6	501.9	502.2	502.5	502.8	503.1	503.4	503.7	504.0
145°	517.0	517.3	517.4	517.6	517.8	518.0	518.2	518.4	518.6	518.9	519.1
147.5°	531.1	531.4	531.5	531.7	531.9	532.1	532.3	532.5	532.7	532.9	533.1
150°	544.0	544.1	544.2	544.4	544.6	544.8	545.0	545.2	545.4	545.7	545.9
152.5°	555.4	555.5	555.5	555.6	555.7	555.8	555.9	556.3	556.7	557.2	557.6
155°	565.6	565.5	565.5	565.6	565.7	565.8	565.9	566.4	566.9	567.4	567.9
157.5°	575.5	575.5	575.4	575.3	575.2	575.1	575.0	575.6	576.2	576.8	577.4
160°	583.3	583.2	583.1	583.0	582.9	582.8	582.7	583.3	583.9	584.6	585.2
162.5°	590.2	590.0	590.0	589.9	589.8	589.7	589.6	590.3	591.0	591.7	592.4
165°	596.1	595.9	595.9	595.8	595.7	595.6	595.5	596.3	597.1	597.9	598.7
167.5°	600.7	600.5	600.5	600.5	600.5	600.5	600.5	601.3	602.1	602.9	603.7
170°	604.7	604.5	604.5	604.5	604.5	604.5	604.5	605.3	606.1	607.0	607.8
172.5°	607.1	606.8	606.9	607.0	607.1	607.2	607.3	608.1	608.9	609.7	610.5
175°	609.4	609.1	609.1	609.2	609.3	609.4	609.5	610.2	610.9	611.6	612.3
177.5°	610.3	610.0	610.1	610.2	610.3	610.4	610.5	611.3	612.1	612.9	613.7
180°	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

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°	12.7	12.8	13.0	13.2	13.4	13.6	13.4	13.2	13.0	12.8	12.7
92.5°	15.0	15.0	15.1	15.2	15.3	15.4	15.3	15.2	15.1	15.0	15.0
95°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
97.5°	18.2	18.2	18.3	18.4	18.5	18.6	18.5	18.4	18.3	18.2	18.2
100°	18.6	18.7	18.8	18.9	19.0	19.1	19.0	18.9	18.8	18.7	18.6
102.5°	18.6	18.7	18.9	19.1	19.3	19.5	19.3	19.1	18.9	18.7	18.6
105°	19.1	19.2	19.4	19.6	19.8	20.0	19.8	19.6	19.4	19.2	19.1
107.5°	106.7	100.1	86.9	73.6	60.4	47.2	60.4	73.6	86.9	100.1	106.7
110°	189.9	182.7	168.2	153.8	139.3	124.9	139.3	153.8	168.2	182.7	189.9

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	237.5	237.4	237.2	237.0	236.8	236.6	236.8	237.0	237.2	237.4	237.5
115°	265.3	265.5	265.9	266.3	266.7	267.1	266.7	266.3	265.9	265.5	265.3
117.5°	291.1	291.2	291.3	291.4	291.5	291.6	291.5	291.4	291.3	291.2	291.1
120°	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0
122.5°	341.6	341.6	341.7	341.8	341.9	342.0	341.9	341.8	341.7	341.6	341.6
125°	364.3	364.4	364.6	364.8	365.0	365.2	365.0	364.8	364.6	364.4	364.3
127.5°	388.8	388.7	388.5	388.3	388.1	387.9	388.1	388.3	388.5	388.7	388.8
130°	410.6	410.5	410.3	410.1	409.9	409.7	409.9	410.1	410.3	410.5	410.6
132.5°	431.0	430.9	430.6	430.3	430.0	429.7	430.0	430.3	430.6	430.9	431.0
135°	451.5	451.3	451.0	450.7	450.4	450.1	450.4	450.7	451.0	451.3	451.5
137.5°	470.6	470.5	470.3	470.0	469.8	469.6	469.8	470.0	470.3	470.5	470.6
140°	487.8	487.7	487.5	487.3	487.1	486.9	487.1	487.3	487.5	487.7	487.8
142.5°	504.2	504.0	503.7	503.4	503.1	502.8	503.1	503.4	503.7	504.0	504.2
145°	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2	519.2
147.5°	533.2	533.0	532.5	532.0	531.5	531.0	531.5	532.0	532.5	533.0	533.2
150°	546.0	545.8	545.5	545.2	544.9	544.6	544.9	545.2	545.5	545.8	546.0
152.5°	557.8	557.5	557.0	556.5	556.0	555.5	556.0	556.5	557.0	557.5	557.8
155°	568.2	567.9	567.3	566.7	566.1	565.5	566.1	566.7	567.3	567.9	568.2
157.5°	577.7	577.3	576.5	575.7	574.9	574.1	574.9	575.7	576.5	577.3	577.7
160°	585.5	585.1	584.4	583.7	583.0	582.3	583.0	583.7	584.4	585.1	585.5
162.5°	592.7	592.4	591.8	591.2	590.6	590.0	590.6	591.2	591.8	592.4	592.7
165°	599.1	598.7	598.0	597.3	596.6	595.9	596.6	597.3	598.0	598.7	599.1
167.5°	604.1	603.7	602.9	602.1	601.3	600.5	601.3	602.1	602.9	603.7	604.1
170°	608.2	607.8	607.0	606.1	605.3	604.5	605.3	606.1	607.0	607.8	608.2
172.5°	610.9	610.4	609.5	608.6	607.7	606.8	607.7	608.6	609.5	610.4	610.9
175°	612.7	612.3	611.5	610.7	609.9	609.1	609.9	610.7	611.5	612.3	612.7
177.5°	614.1	613.6	612.6	611.5	610.5	609.5	610.5	611.5	612.6	613.6	614.1
180°	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

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°	12.5	12.1	11.7	11.3	10.9	9.6	8.3	7.0	5.7	5.0	4.5
92.5°	14.6	13.9	13.2	12.5	11.8	10.9	10.0	9.1	8.2	7.7	8.0
95°	16.9	16.2	15.5	14.8	14.1	13.0	11.9	10.8	9.7	9.1	11.2
97.5°	17.8	17.0	16.1	15.3	14.5	19.7	24.8	30.0	35.1	37.7	39.1
100°	18.2	17.4	16.6	15.8	15.0	30.7	46.5	62.2	77.9	85.8	84.8
102.5°	20.3	23.6	26.9	30.3	33.6	51.2	68.7	86.3	103.8	112.6	111.9
105°	28.0	45.9	63.8	81.6	99.5	108.6	117.6	126.7	135.8	140.3	139.8
107.5°	114.5	130.0	145.6	161.1	176.7	175.2	173.7	172.2	170.7	169.9	169.4
110°	191.6	194.9	198.2	201.5	204.8	203.7	202.6	201.5	200.4	199.8	199.4

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	237.1	236.2	235.3	234.4	233.5	232.4	231.3	230.2	229.1	228.5	228.1
115°	264.8	263.8	262.7	261.7	260.7	259.8	258.9	258.0	257.1	256.6	256.3
117.5°	290.7	289.9	289.1	288.3	287.5	287.0	286.5	286.0	285.5	285.2	284.9
120°	316.6	315.8	315.0	314.2	313.4	313.1	312.8	312.5	312.2	312.0	311.6
122.5°	341.3	340.8	340.3	339.8	339.3	338.9	338.5	338.1	337.7	337.5	337.1
125°	364.2	364.0	363.8	363.6	363.4	363.0	362.6	362.1	361.7	361.5	361.1
127.5°	388.6	388.3	388.0	387.7	387.4	386.9	386.4	385.9	385.4	385.2	384.8
130°	410.4	410.0	409.6	409.2	408.8	408.4	408.0	407.6	407.2	407.0	406.6
132.5°	430.8	430.4	430.0	429.6	429.2	428.9	428.6	428.3	428.0	427.9	427.5
135°	451.3	451.0	450.7	450.4	450.1	449.7	449.3	448.9	448.5	448.3	448.0
137.5°	470.3	469.8	469.3	468.8	468.3	468.1	467.9	467.7	467.5	467.4	467.0
140°	487.6	487.2	486.8	486.4	486.0	485.7	485.4	485.1	484.8	484.6	484.3
142.5°	504.0	503.7	503.4	503.1	502.8	502.5	502.2	501.9	501.6	501.4	501.1
145°	519.1	518.9	518.6	518.4	518.2	518.0	517.8	517.6	517.4	517.3	517.0
147.5°	533.1	532.9	532.7	532.5	532.3	532.1	531.9	531.7	531.5	531.4	531.1
150°	545.9	545.7	545.4	545.2	545.0	544.8	544.6	544.4	544.2	544.1	544.0
152.5°	557.6	557.2	556.7	556.3	555.9	555.8	555.7	555.6	555.5	555.5	555.4
155°	567.9	567.4	566.9	566.4	565.9	565.8	565.7	565.6	565.5	565.5	565.6
157.5°	577.4	576.8	576.2	575.6	575.0	575.1	575.2	575.3	575.4	575.5	575.5
160°	585.2	584.6	583.9	583.3	582.7	582.8	582.9	583.0	583.1	583.2	583.3
162.5°	592.4	591.7	591.0	590.3	589.6	589.7	589.8	589.9	590.0	590.0	590.2
165°	598.7	597.9	597.1	596.3	595.5	595.6	595.7	595.8	595.9	595.9	596.1
167.5°	603.7	602.9	602.1	601.3	600.5	600.5	600.5	600.5	600.5	600.5	600.7
170°	607.8	607.0	606.1	605.3	604.5	604.5	604.5	604.5	604.5	604.5	604.7
172.5°	610.5	609.7	608.9	608.1	607.3	607.2	607.1	607.0	606.9	606.8	607.1
175°	612.3	611.6	610.9	610.2	609.5	609.4	609.3	609.2	609.1	609.1	609.4
177.5°	613.7	612.9	612.1	611.3	610.5	610.4	610.3	610.2	610.1	610.0	610.3
180°	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4	611.4

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

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°	3.5	2.5	1.5	0.5
92.5°	8.6	9.2	9.8	10.4
95°	15.3	19.4	23.6	27.7
97.5°	41.9	44.8	47.6	50.4
100°	82.8	80.8	78.8	76.8
102.5°	110.6	109.3	108.0	106.7
105°	138.7	137.6	136.5	135.4
107.5°	168.5	167.6	166.7	165.8
110°	198.6	197.8	197.0	196.2

TEST NUMBER: P1032332

CATALOG NUMBER: S123RDIW-B560D460UB30-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	227.4	226.7	226.0	225.3
115°	255.7	255.1	254.5	253.9
117.5°	284.2	283.5	282.8	282.1
120°	310.7	309.8	308.9	308.0
122.5°	336.4	335.7	335.0	334.3
125°	360.3	359.5	358.7	357.9
127.5°	384.0	383.1	382.3	381.5
130°	405.8	404.9	404.1	403.3
132.5°	426.7	425.8	425.0	424.2
135°	447.4	446.8	446.2	445.6
137.5°	466.2	465.3	464.5	463.7
140°	483.7	483.1	482.5	481.9
142.5°	500.5	499.9	499.3	498.7
145°	516.3	515.6	514.9	514.2
147.5°	530.6	530.1	529.6	529.1
150°	543.7	543.4	543.1	542.8
152.5°	555.3	555.2	555.1	555.0
155°	565.8	566.0	566.2	566.4
157.5°	575.5	575.5	575.5	575.5
160°	583.4	583.5	583.6	583.7
162.5°	590.5	590.8	591.1	591.4
165°	596.4	596.7	597.0	597.3
167.5°	601.1	601.5	601.9	602.3
170°	605.1	605.6	606.0	606.4
172.5°	607.6	608.1	608.6	609.1
175°	609.9	610.4	610.9	611.4
177.5°	610.8	611.3	611.8	612.3
180°	611.4	611.4	611.4	611.4

(END OF REPORT)