

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: P1032337

Luminaire Tested: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032337
REPORT IS A COMBINATION OF REPORTS P994538 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B560D460UB35-4F0-XX-W2A-A1
Description: Define 3 Regressed Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

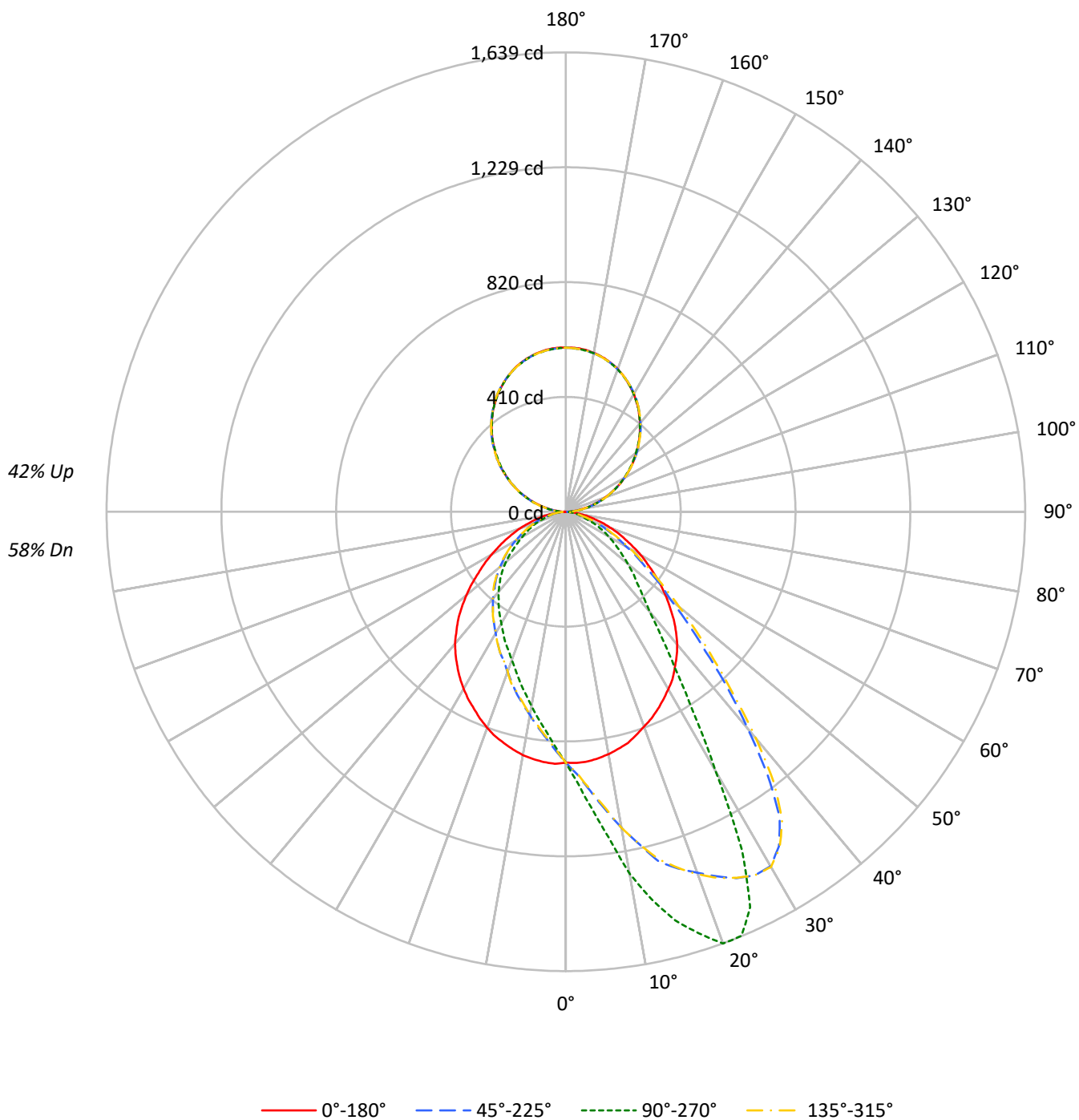
Lumens per Lamp: N/A
Luminaire Lumens: 3852.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63
1	100	96	92	89	93	90	87	84	78	76	74	67	65	64	57	56	55
2	92	85	79	74	85	79	74	70	69	65	62	60	57	54	51	49	47
3	84	75	68	62	78	70	64	59	62	57	53	53	50	47	46	43	41
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	41	38	36
5	71	60	52	46	66	56	49	44	50	44	40	43	39	36	38	34	32
6	66	54	46	41	61	51	44	39	45	39	35	40	35	32	34	31	28
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	32	28	25
8	57	45	37	32	53	42	35	31	38	32	28	33	29	25	29	25	23
9	53	41	34	29	50	39	32	27	35	29	25	31	26	23	27	23	21
10	50	38	31	26	46	36	29	25	32	27	23	28	24	21	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9632	9632	9632	9632
5°	9639	11092	9663	8230
10°	9553	13390	9595	7188
15°	9456	15197	9456	6338
20°	9262	16392	9314	5622
25°	9119	15574	9102	5130
30°	8954	10791	8936	4649
35°	8756	6928	8716	4286
40°	8508	4892	8465	3925
45°	8078	3914	8066	3573
50°	7548	3275	7524	3162
55°	6954	2699	6898	2681
60°	6370	2231	6308	2280
65°	5686	1785	5722	1933
70°	5053	1240	5189	1562
75°	4283	921	4458	1201
80°	3409	611	3703	901
85°	2430	288	2651	561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 12858 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.9	2.3
10°-20°	275.1	7.1
20°-30°	433.2	11.2
30°-40°	450.5	11.7
40°-50°	385.4	10.0
50°-60°	293.8	7.6
60°-70°	188.2	4.9
70°-80°	90.2	2.3
80°-90°	25.0	0.6
90°-100°	37.7	1.0
100°-110°	114.1	3.0
110°-120°	194.3	5.0
120°-130°	255.6	6.6
130°-140°	287.3	7.5
140°-150°	282.4	7.3
150°-160°	237.8	6.2
160°-170°	158.3	4.1
170°-180°	55.4	1.4
0°-30°	796.2	20.7
0°-40°	1246.6	32.4
0°-60°	1925.8	50.0
0°-90°	2229.2	57.9
90°-120°	346.1	9.0
90°-150°	1171.3	30.4
90°-180°	1623.0	42.1
0°-180°	3852.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	895	895	895	895	895	
5°	894	1062	896	788	894	85
15°	854	1510	854	630	854	240
25°	777	1556	775	512	777	358
35°	678	675	675	418	678	424
45°	544	360	543	329	544	419
55°	384	226	381	224	384	344
65°	235	130	237	141	235	235
75°	113	55	117	72	113	122
85°	25	13	28	25	25	28
90°	0	14	0	14	0	3
95°	27	36	27	36	27	30
105°	104	110	104	110	104	111
115°	196	196	196	196	196	193
125°	286	283	286	283	286	255
135°	371	371	371	371	371	286
145°	450	450	450	450	450	281
155°	516	515	516	515	516	237
165°	562	560	562	560	562	158
175°	584	582	584	582	584	56
180°	586	586	586	586	586	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	897.1	903.2	907.8	910.8	918.5	923.1	926.9	933.8	933.8	935.4	938.4
5°	894.0	907.0	916.2	928.5	944.6	952.2	962.9	972.1	985.2	992.0	998.9
7.5°	887.1	905.5	924.6	943.0	966.8	982.1	992.8	1016.6	1033.4	1054.1	1070.2
10°	877.9	903.2	927.7	956.0	988.2	1011.2	1027.3	1058.7	1090.9	1120.0	1144.5
12.5°	866.4	897.1	932.3	966.8	1012.0	1034.9	1061.0	1100.1	1146.0	1182.8	1215.7
15°	854.2	889.4	929.2	971.4	1028.1	1060.2	1097.8	1145.3	1196.6	1249.4	1294.6
17.5°	835.0	879.4	923.9	985.2	1051.8	1071.0	1103.1	1168.2	1231.8	1279.3	1334.5
20°	815.9	865.6	921.6	976.7	1048.7	1093.2	1123.0	1192.0	1260.2	1317.6	1370.5
22.5°	798.2	850.3	908.5	978.3	1045.7	1090.1	1127.6	1199.7	1278.6	1342.9	1408.0
25°	776.8	833.5	897.8	963.7	1045.7	1079.4	1120.7	1204.2	1287.7	1362.1	1442.5
27.5°	753.8	811.3	874.8	942.3	1017.3	1067.1	1107.7	1197.4	1299.2	1378.9	1461.6
30°	730.8	789.8	851.1	911.6	995.9	1043.4	1090.1	1188.9	1305.4	1396.5	1460.1
32.5°	708.6	758.4	818.9	877.9	961.4	1013.5	1066.4	1180.5	1307.7	1384.3	1414.9
35°	678.0	730.1	779.1	841.9	926.2	977.5	1039.5	1179.7	1297.7	1345.2	1329.9
37.5°	649.6	693.3	740.0	795.9	882.5	949.1	1013.5	1159.8	1264.8	1267.8	1181.3
40°	618.2	654.2	693.3	752.3	845.7	911.6	981.3	1129.2	1205.0	1159.8	1007.4
42.5°	582.2	614.4	645.0	702.5	804.4	877.9	953.0	1090.9	1118.4	1014.3	855.7
45°	543.9	569.9	598.3	658.8	760.7	833.5	908.5	1031.9	1003.5	856.5	705.5
47.5°	504.1	526.3	553.9	609.0	714.0	788.3	859.5	947.6	875.6	717.8	591.4
50°	464.2	481.9	508.7	565.4	666.5	733.9	799.8	857.2	756.1	615.9	488.7
52.5°	425.2	439.0	466.5	514.8	612.8	677.2	724.7	746.9	644.3	508.7	424.4
55°	383.8	399.1	417.5	466.5	563.8	611.3	642.7	642.0	536.2	431.3	350.9
57.5°	344.0	357.8	373.8	422.9	501.8	533.9	560.8	547.7	447.4	353.2	301.1
60°	308.7	316.4	334.0	375.4	435.1	462.7	478.0	455.8	365.4	298.0	249.0
62.5°	270.4	278.1	292.6	331.7	368.5	383.0	396.1	367.7	301.8	242.8	213.0
65°	235.2	245.1	254.3	285.7	305.7	323.3	321.7	298.0	235.9	197.6	173.1
67.5°	204.5	208.4	216.0	235.2	244.4	257.4	258.2	231.4	190.0	160.9	146.3
70°	171.6	175.4	180.8	190.0	196.1	199.2	197.6	173.9	143.3	125.6	112.6
72.5°	143.3	142.5	146.3	146.3	152.4	151.7	147.1	128.7	108.8	94.2	86.6
75°	112.6	113.4	114.1	112.6	110.3	107.2	103.4	89.6	76.6	69.7	62.8
77.5°	88.1	86.6	87.3	82.0	78.9	75.8	70.5	63.6	52.9	51.3	48.3
80°	62.8	62.1	61.3	59.0	52.1	49.0	45.2	41.4	39.1	37.5	36.8
82.5°	42.1	42.1	40.6	36.0	32.2	29.9	29.1	27.6	25.3	25.3	24.5
85°	25.3	24.5	23.0	18.4	16.1	16.1	16.1	16.1	14.6	14.6	13.8
87.5°	10.0	9.2	6.9	6.9	6.1	6.1	6.1	5.4	5.4	4.6	4.6
90°	0.5	1.5	2.5	3.6	4.6	5.1	5.8	7.1	8.4	9.7	11.0
92.5°	13.8	14.4	15.0	15.7	16.3	16.6	16.9	17.5	18.1	18.7	19.3
95°	27.1	27.8	28.6	29.3	30.0	30.4	30.8	31.6	32.4	33.2	34.0
97.5°	44.6	45.1	45.6	46.1	46.6	46.9	47.2	47.8	48.5	49.1	49.7
100°	62.6	63.2	63.8	64.4	65.0	65.3	65.6	66.1	66.6	67.1	67.6
102.5°	83.3	83.6	83.9	84.2	84.5	84.7	85.1	85.8	86.5	87.2	87.9
105°	103.5	103.7	103.9	104.1	104.3	104.4	104.9	105.8	106.7	107.7	108.6
107.5°	127.4	127.5	127.6	127.7	127.8	127.9	128.1	128.5	128.9	129.3	129.7
110°	149.5	149.7	149.9	150.1	150.3	150.4	150.5	150.7	151.0	151.2	151.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	172.5	172.6	172.7	172.8	172.9	173.0	173.0	173.0	173.0	173.0	173.0
115°	195.5	195.8	196.1	196.4	196.7	196.9	196.8	196.6	196.4	196.2	196.0
117.5°	219.0	219.1	219.2	219.3	219.4	219.5	219.4	219.2	218.9	218.7	218.5
120°	240.6	241.2	241.8	242.5	243.1	243.4	243.1	242.6	242.1	241.6	241.1
122.5°	263.2	263.6	264.0	264.4	264.8	265.0	264.9	264.7	264.5	264.3	264.1
125°	286.2	286.5	286.8	287.1	287.4	287.5	287.4	287.2	287.0	286.8	286.6
127.5°	307.3	307.9	308.5	309.2	309.8	310.1	310.0	309.8	309.6	309.4	309.2
130°	328.5	329.3	330.1	331.0	331.8	332.2	332.0	331.7	331.4	331.1	330.8
132.5°	349.6	350.4	351.2	352.1	352.9	353.3	353.2	353.0	352.8	352.6	352.4
135°	371.3	371.9	372.5	373.1	373.7	374.0	374.0	373.9	373.8	373.7	373.6
137.5°	391.1	391.6	392.1	392.6	393.1	393.4	393.5	393.8	394.1	394.4	394.7
140°	411.8	412.3	412.8	413.3	413.8	414.1	414.1	414.2	414.3	414.4	414.5
142.5°	430.6	431.1	431.6	432.1	432.6	432.9	433.0	433.2	433.4	433.6	433.8
145°	450.4	450.6	450.8	451.0	451.2	451.3	451.5	451.8	452.1	452.4	452.7
147.5°	467.4	467.8	468.2	468.7	469.1	469.3	469.4	469.7	470.0	470.3	470.6
150°	485.4	485.6	485.8	486.0	486.2	486.3	486.4	486.6	486.8	487.0	487.2
152.5°	500.1	500.4	500.7	501.0	501.3	501.5	501.5	501.6	501.7	501.8	501.9
155°	515.7	515.7	515.7	515.7	515.7	515.7	515.8	515.9	516.0	516.1	516.2
157.5°	529.1	529.0	528.9	528.8	528.7	528.6	528.7	528.8	528.9	529.0	529.1
160°	541.5	541.3	541.1	540.9	540.7	540.6	540.6	540.6	540.6	540.6	540.6
162.5°	552.5	552.2	551.9	551.6	551.3	551.2	551.2	551.3	551.4	551.5	551.6
165°	561.7	561.4	561.1	560.8	560.5	560.4	560.4	560.4	560.4	560.4	560.4
167.5°	569.6	569.2	568.8	568.3	567.9	567.7	567.8	567.9	568.0	568.1	568.2
170°	576.0	575.6	575.2	574.8	574.4	574.2	574.2	574.2	574.2	574.2	574.2
172.5°	581.1	580.7	580.3	579.8	579.4	579.2	579.2	579.2	579.2	579.2	579.2
175°	584.3	583.9	583.5	583.0	582.6	582.4	582.4	582.4	582.4	582.4	582.4
177.5°	586.1	585.7	585.3	584.9	584.5	584.3	584.3	584.3	584.3	584.3	584.3
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	944.6	944.6	951.4	958.3	954.5	956.8	965.2	962.2	968.3	967.5	969.8
5°	1015.8	1024.2	1031.1	1045.7	1048.0	1045.7	1060.2	1064.1	1071.0	1062.5	1066.4
7.5°	1096.2	1113.9	1130.7	1152.2	1159.1	1160.6	1168.2	1179.0	1188.2	1171.3	1179.7
10°	1174.4	1201.2	1235.7	1254.8	1271.7	1277.8	1283.9	1290.8	1301.5	1311.5	1303.8
12.5°	1258.6	1297.7	1330.6	1365.1	1385.8	1383.5	1401.1	1405.7	1414.1	1416.4	1419.5
15°	1327.6	1382.7	1403.4	1454.7	1459.3	1474.7	1494.6	1512.2	1514.5	1509.9	1509.9
17.5°	1393.5	1441.0	1477.7	1519.1	1527.5	1540.5	1565.8	1574.3	1577.3	1576.6	1576.6
20°	1447.1	1478.5	1540.5	1575.0	1588.8	1605.7	1623.3	1634.0	1636.3	1639.4	1634.8
22.5°	1482.3	1529.8	1580.4	1608.7	1620.2	1626.3	1637.8	1640.9	1637.1	1637.8	1638.6
25°	1509.9	1556.6	1587.3	1594.9	1594.2	1586.5	1578.1	1563.5	1562.0	1555.9	1543.6
27.5°	1517.6	1535.2	1531.4	1499.9	1468.5	1465.5	1414.9	1387.3	1355.9	1360.5	1342.9
30°	1476.2	1453.2	1398.8	1319.2	1286.2	1232.6	1175.9	1116.9	1093.9	1068.7	1115.4
32.5°	1375.1	1293.1	1196.6	1093.2	1038.0	990.5	930.0	887.1	862.6	841.9	881.7
35°	1222.6	1094.7	966.8	868.7	823.5	780.6	723.9	702.5	671.8	674.9	678.7
37.5°	1026.5	885.6	789.0	692.5	662.6	645.0	603.7	570.7	560.0	556.9	556.9
40°	842.7	727.0	641.2	565.4	542.4	527.8	494.9	479.6	468.1	465.0	468.8
42.5°	697.1	598.3	531.6	481.1	465.0	446.6	432.8	413.7	411.4	406.0	412.9
45°	585.3	499.5	449.7	412.9	399.1	392.2	376.9	365.4	360.8	360.0	365.4
47.5°	496.4	429.8	386.1	363.1	352.4	345.5	332.5	327.9	323.3	324.8	322.5
50°	416.7	366.9	338.6	317.9	311.0	304.1	295.7	291.1	288.8	288.8	288.0
52.5°	357.8	316.4	298.0	278.8	275.8	272.0	262.8	259.7	255.9	255.1	258.2
55°	306.4	278.1	259.7	248.2	245.1	237.5	233.6	229.8	227.5	226.0	226.8
57.5°	262.0	240.5	228.3	218.3	213.0	209.9	203.0	202.2	200.7	200.7	199.9
60°	225.2	209.9	195.3	189.2	185.4	181.6	180.8	176.2	173.9	175.4	174.7
62.5°	190.7	178.5	170.1	163.2	160.9	157.8	155.5	154.0	151.7	152.4	152.4
65°	159.3	149.4	143.3	137.1	136.4	133.3	132.5	131.0	131.0	130.2	131.8
67.5°	131.0	124.1	118.7	114.9	112.6	113.4	110.3	108.0	108.0	107.2	109.5
70°	104.2	100.4	95.0	90.4	87.3	87.3	83.5	82.7	82.7	82.7	82.0
72.5°	80.4	73.5	71.2	69.7	69.7	69.7	68.2	68.2	67.4	68.2	67.4
75°	59.8	59.0	57.5	56.7	56.7	55.9	55.2	55.2	55.2	55.2	55.2
77.5°	46.7	46.7	45.2	44.4	44.4	44.4	43.7	43.7	42.9	42.9	42.9
80°	34.5	34.5	32.9	32.9	32.9	32.2	32.2	32.2	32.9	32.2	32.2
82.5°	23.7	23.7	23.0	23.7	23.0	22.2	22.2	22.2	21.4	22.2	22.2
85°	13.8	13.8	13.0	12.3	13.0	13.0	12.3	13.0	12.3	13.0	12.3
87.5°	5.4	4.6	4.6	4.6	3.8	4.6	3.8	3.8	4.6	3.8	4.6
90°	11.4	11.8	12.3	12.7	12.9	13.0	13.2	13.4	13.6	13.8	13.6
92.5°	19.6	19.9	20.2	20.5	20.7	20.6	20.4	20.2	20.0	19.8	20.0
95°	34.4	34.8	35.3	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9
97.5°	50.2	50.7	51.2	51.7	52.0	51.9	51.8	51.7	51.6	51.5	51.6
100°	67.9	68.2	68.5	68.8	69.0	69.1	69.3	69.5	69.7	69.9	69.7
102.5°	88.2	88.5	88.8	89.1	89.3	89.2	89.1	89.0	88.9	88.8	88.9
105°	108.6	108.6	108.6	108.6	108.6	108.7	108.9	109.1	109.3	109.5	109.3
107.5°	130.0	130.3	130.6	130.9	131.1	131.1	131.0	130.9	130.8	130.7	130.8
110°	151.8	152.2	152.6	153.0	153.2	153.1	152.9	152.7	152.5	152.3	152.5

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	173.5	174.0	174.5	175.0	175.3	175.3	175.3	175.3	175.3	175.3	175.3
115°	196.1	196.2	196.3	196.4	196.4	196.4	196.3	196.2	196.1	196.0	196.1
117.5°	218.5	218.5	218.5	218.5	218.5	218.4	218.1	217.8	217.5	217.2	217.5
120°	241.0	240.9	240.8	240.7	240.6	240.5	240.3	240.1	239.9	239.7	239.9
122.5°	263.8	263.5	263.2	262.9	262.7	262.5	262.2	261.9	261.6	261.3	261.6
125°	286.2	285.8	285.4	285.0	284.8	284.6	284.2	283.7	283.3	282.9	283.3
127.5°	308.6	308.0	307.3	306.7	306.4	306.2	305.8	305.4	305.0	304.6	305.0
130°	330.4	330.0	329.5	329.1	328.9	328.5	327.8	327.1	326.4	325.7	326.4
132.5°	351.9	351.4	350.9	350.4	350.1	349.8	349.3	348.8	348.3	347.8	348.3
135°	373.2	372.8	372.3	371.9	371.7	371.6	371.4	371.2	371.0	370.8	371.0
137.5°	394.2	393.7	393.2	392.7	392.4	392.3	392.0	391.7	391.4	391.1	391.4
140°	414.4	414.3	414.2	414.1	414.1	413.7	413.0	412.3	411.5	410.8	411.5
142.5°	433.7	433.6	433.5	433.4	433.4	433.1	432.6	432.1	431.6	431.1	431.6
145°	452.6	452.5	452.4	452.3	452.2	452.0	451.6	451.2	450.8	450.4	450.8
147.5°	470.6	470.6	470.6	470.6	470.6	470.3	469.7	469.1	468.5	467.9	468.5
150°	487.2	487.2	487.2	487.2	487.2	486.9	486.3	485.6	485.0	484.4	485.0
152.5°	502.1	502.3	502.6	502.8	502.9	502.6	502.1	501.6	501.0	500.5	501.0
155°	516.6	517.0	517.4	517.8	518.0	517.6	516.9	516.2	515.5	514.8	515.5
157.5°	529.5	529.9	530.3	530.7	530.9	530.6	530.0	529.4	528.8	528.2	528.8
160°	541.1	541.6	542.1	542.6	542.9	542.7	542.3	541.8	541.4	541.0	541.4
162.5°	552.1	552.6	553.1	553.6	553.9	553.5	552.8	552.1	551.4	550.7	551.4
165°	561.0	561.6	562.2	562.8	563.1	562.7	562.0	561.3	560.6	559.9	560.6
167.5°	568.8	569.4	570.0	570.6	570.9	570.6	570.0	569.4	568.8	568.2	568.8
170°	574.9	575.6	576.3	577.0	577.4	577.0	576.3	575.6	574.9	574.2	574.9
172.5°	579.8	580.4	581.1	581.7	582.0	581.6	580.9	580.2	579.5	578.8	579.5
175°	583.0	583.6	584.3	584.9	585.2	584.8	584.1	583.4	582.7	582.0	582.7
177.5°	584.9	585.5	586.1	586.7	587.0	586.6	585.9	585.2	584.5	583.8	584.5
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	966.0	961.4	958.3	956.0	953.7	960.6	951.4	941.5	934.6	930.0	928.5
5°	1067.1	1057.2	1048.7	1041.8	1043.4	1043.4	1027.3	1009.7	994.3	985.9	976.7
7.5°	1184.3	1173.6	1156.8	1152.9	1149.9	1130.7	1114.6	1082.4	1063.3	1044.1	1027.3
10°	1300.8	1287.0	1270.9	1265.5	1257.9	1234.1	1209.6	1168.2	1144.5	1109.3	1087.0
12.5°	1409.6	1392.7	1376.6	1372.8	1361.3	1340.6	1298.5	1255.6	1215.0	1177.4	1138.4
15°	1500.7	1496.1	1471.6	1456.3	1431.0	1402.7	1393.5	1335.2	1283.9	1244.8	1174.4
17.5°	1577.3	1555.9	1532.9	1522.9	1513.0	1480.0	1447.1	1387.3	1332.2	1274.7	1229.5
20°	1638.6	1614.9	1598.8	1584.2	1579.6	1542.1	1490.0	1437.1	1376.6	1312.3	1253.3
22.5°	1641.7	1638.6	1627.9	1619.5	1610.3	1585.7	1544.4	1478.5	1414.1	1343.7	1266.3
25°	1578.1	1573.5	1604.1	1596.5	1602.6	1593.4	1571.2	1516.0	1441.0	1358.2	1280.1
27.5°	1386.6	1433.3	1481.6	1498.4	1509.9	1542.8	1553.6	1522.9	1462.4	1374.3	1287.0
30°	1126.1	1188.2	1266.3	1308.4	1340.6	1401.9	1481.6	1491.5	1463.2	1392.7	1285.5
32.5°	884.0	940.7	1003.5	1053.3	1096.2	1221.9	1329.1	1406.5	1420.3	1383.5	1289.3
35°	712.4	737.0	796.7	844.2	902.4	1009.7	1136.1	1260.9	1345.2	1349.8	1277.8
37.5°	587.6	600.6	652.7	679.5	714.0	808.2	926.2	1089.3	1220.3	1282.4	1245.6
40°	486.4	516.3	546.2	561.5	586.0	651.2	764.5	892.5	1054.9	1169.8	1195.8
42.5°	422.1	435.1	454.3	475.7	491.0	547.7	623.6	740.8	887.1	1047.2	1119.2
45°	372.3	376.9	396.8	410.6	426.7	466.5	520.2	618.2	746.9	904.7	1027.3
47.5°	330.9	340.1	350.9	359.3	370.0	400.6	446.6	517.9	631.2	772.2	904.0
50°	294.2	299.5	313.3	317.1	324.8	346.3	381.5	435.9	529.3	642.0	778.3
52.5°	259.7	269.7	275.0	280.4	287.3	304.9	327.9	372.3	442.8	548.5	664.2
55°	232.9	235.9	243.6	248.2	253.6	265.8	285.7	318.7	373.8	458.1	567.7
57.5°	206.8	206.8	214.5	218.3	223.7	232.9	250.5	275.8	315.6	378.4	478.8
60°	179.3	180.0	186.2	190.7	192.3	201.5	216.0	235.9	266.6	312.6	394.5
62.5°	154.7	158.6	161.6	163.2	168.5	173.9	186.2	199.9	221.4	262.0	320.2
65°	134.1	134.8	137.1	138.7	141.0	147.1	156.3	165.5	183.9	213.7	261.2
67.5°	110.3	113.4	116.4	116.4	118.7	121.8	131.0	138.7	152.4	170.1	202.2
70°	82.7	84.3	88.9	91.2	94.2	99.6	104.2	108.8	119.5	132.5	157.0
72.5°	68.9	68.9	70.5	71.2	71.2	75.1	82.0	86.6	91.9	101.1	118.0
75°	55.2	55.2	57.5	56.7	58.2	59.8	60.5	63.6	66.6	73.5	83.5
77.5°	43.7	44.4	44.4	45.2	45.2	46.0	46.7	48.3	49.8	53.6	58.2
80°	32.2	32.9	32.9	33.7	33.7	34.5	35.2	36.0	37.5	39.1	41.4
82.5°	22.2	23.0	23.0	23.7	23.0	23.7	24.5	24.5	25.3	26.8	27.6
85°	13.0	13.0	13.8	13.0	13.0	13.0	13.8	13.8	14.6	16.9	16.9
87.5°	3.8	4.6	3.8	4.6	4.6	4.6	4.6	5.4	5.4	6.1	6.9
90°	13.4	13.2	13.0	12.9	12.7	12.3	11.8	11.4	11.0	9.7	8.4
92.5°	20.2	20.4	20.6	20.7	20.5	20.2	19.9	19.6	19.3	18.7	18.1
95°	35.9	35.9	35.9	35.9	35.7	35.3	34.8	34.4	34.0	33.2	32.4
97.5°	51.7	51.8	51.9	52.0	51.7	51.2	50.7	50.2	49.7	49.1	48.5
100°	69.5	69.3	69.1	69.0	68.8	68.5	68.2	67.9	67.6	67.1	66.6
102.5°	89.0	89.1	89.2	89.3	89.1	88.8	88.5	88.2	87.9	87.2	86.5
105°	109.1	108.9	108.7	108.6	108.6	108.6	108.6	108.6	108.6	107.7	106.7
107.5°	130.9	131.0	131.1	131.1	130.9	130.6	130.3	130.0	129.7	129.3	128.9
110°	152.7	152.9	153.1	153.2	153.0	152.6	152.2	151.8	151.4	151.2	151.0

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	175.3	175.3	175.3	175.3	175.0	174.5	174.0	173.5	173.0	173.0	173.0
115°	196.2	196.3	196.4	196.4	196.4	196.3	196.2	196.1	196.0	196.2	196.4
117.5°	217.8	218.1	218.4	218.5	218.5	218.5	218.5	218.5	218.5	218.7	218.9
120°	240.1	240.3	240.5	240.6	240.7	240.8	240.9	241.0	241.1	241.6	242.1
122.5°	261.9	262.2	262.5	262.7	262.9	263.2	263.5	263.8	264.1	264.3	264.5
125°	283.7	284.2	284.6	284.8	285.0	285.4	285.8	286.2	286.6	286.8	287.0
127.5°	305.4	305.8	306.2	306.4	306.7	307.3	308.0	308.6	309.2	309.4	309.6
130°	327.1	327.8	328.5	328.9	329.1	329.5	330.0	330.4	330.8	331.1	331.4
132.5°	348.8	349.3	349.8	350.1	350.4	350.9	351.4	351.9	352.4	352.6	352.8
135°	371.2	371.4	371.6	371.7	371.9	372.3	372.8	373.2	373.6	373.7	373.8
137.5°	391.7	392.0	392.3	392.4	392.7	393.2	393.7	394.2	394.7	394.4	394.1
140°	412.3	413.0	413.7	414.1	414.1	414.2	414.3	414.4	414.5	414.4	414.3
142.5°	432.1	432.6	433.1	433.4	433.4	433.5	433.6	433.7	433.8	433.6	433.4
145°	451.2	451.6	452.0	452.2	452.3	452.4	452.5	452.6	452.7	452.4	452.1
147.5°	469.1	469.7	470.3	470.6	470.6	470.6	470.6	470.6	470.6	470.3	470.0
150°	485.6	486.3	486.9	487.2	487.2	487.2	487.2	487.2	487.2	487.0	486.8
152.5°	501.6	502.1	502.6	502.9	502.8	502.6	502.3	502.1	501.9	501.8	501.7
155°	516.2	516.9	517.6	518.0	517.8	517.4	517.0	516.6	516.2	516.1	516.0
157.5°	529.4	530.0	530.6	530.9	530.7	530.3	529.9	529.5	529.1	529.0	528.9
160°	541.8	542.3	542.7	542.9	542.6	542.1	541.6	541.1	540.6	540.6	540.6
162.5°	552.1	552.8	553.5	553.9	553.6	553.1	552.6	552.1	551.6	551.5	551.4
165°	561.3	562.0	562.7	563.1	562.8	562.2	561.6	561.0	560.4	560.4	560.4
167.5°	569.4	570.0	570.6	570.9	570.6	570.0	569.4	568.8	568.2	568.1	568.0
170°	575.6	576.3	577.0	577.4	577.0	576.3	575.6	574.9	574.2	574.2	574.2
172.5°	580.2	580.9	581.6	582.0	581.7	581.1	580.4	579.8	579.2	579.2	579.2
175°	583.4	584.1	584.8	585.2	584.9	584.3	583.6	583.0	582.4	582.4	582.4
177.5°	585.2	585.9	586.6	587.0	586.7	586.1	585.5	584.9	584.3	584.3	584.3
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	926.2	922.3	918.5	918.5	910.1	902.4	898.6	900.1	895.5	889.4	883.3
5°	966.8	951.4	948.4	940.0	928.5	912.4	904.0	896.3	887.1	874.8	863.4
7.5°	1004.3	984.4	973.7	965.2	943.0	920.8	902.4	890.2	874.1	855.7	841.9
10°	1053.3	1016.6	1005.1	985.9	954.5	923.1	901.7	881.7	859.5	838.1	819.7
12.5°	1092.4	1050.3	1028.8	1009.7	969.1	929.2	893.2	868.7	841.9	818.2	794.4
15°	1136.8	1089.3	1051.8	1028.8	977.5	929.2	888.6	854.2	824.3	795.2	774.5
17.5°	1158.3	1098.5	1081.7	1048.7	974.4	926.2	876.4	839.6	803.6	769.9	745.4
20°	1192.0	1122.3	1080.1	1057.9	992.0	920.8	862.6	820.5	782.9	746.9	720.9
22.5°	1194.3	1118.4	1090.9	1048.7	967.5	904.7	850.3	799.0	755.3	721.6	694.8
25°	1188.9	1111.6	1073.3	1039.5	972.1	895.5	825.8	775.3	732.4	693.3	661.9
27.5°	1186.6	1091.6	1055.6	1021.9	946.1	868.7	811.3	753.8	704.8	670.3	638.1
30°	1183.6	1070.2	1026.5	987.5	917.7	848.0	779.1	729.3	682.6	638.9	606.7
32.5°	1163.6	1041.1	996.6	955.3	880.2	810.5	756.1	703.2	652.7	612.1	583.0
35°	1157.5	1014.3	956.0	911.6	838.1	776.0	718.6	674.9	627.4	586.8	552.3
37.5°	1139.9	986.7	923.9	867.2	790.6	731.6	689.5	645.8	599.8	556.2	528.6
40°	1109.3	954.5	883.3	825.0	746.1	686.4	647.3	615.1	569.9	530.9	497.2
42.5°	1064.1	921.6	845.0	783.7	696.3	640.4	608.3	577.6	539.3	498.7	471.1
45°	1012.0	877.9	806.7	738.5	649.6	595.2	561.5	543.1	507.9	473.4	441.3
47.5°	940.7	832.7	762.2	691.8	601.4	548.5	521.7	503.3	478.8	441.3	415.2
50°	851.1	774.5	707.8	645.0	553.9	503.3	476.5	462.7	442.0	415.2	389.9
52.5°	751.5	707.1	651.9	593.7	505.6	458.1	433.6	422.9	407.5	382.3	360.8
55°	651.2	632.0	594.5	537.0	455.0	416.0	394.5	380.7	369.2	350.9	332.5
57.5°	561.5	552.3	526.3	481.9	412.9	372.3	353.9	344.7	335.5	321.7	303.4
60°	468.8	478.8	452.0	429.8	366.9	331.7	315.6	305.7	301.1	288.8	277.3
62.5°	388.4	397.6	382.3	365.4	321.0	289.6	279.6	270.4	267.4	256.6	245.1
65°	315.6	327.1	315.6	306.4	279.6	253.6	241.3	236.7	233.6	226.8	217.6
67.5°	251.3	262.8	257.4	245.9	237.5	216.0	209.1	204.5	203.0	197.6	190.0
70°	189.2	205.3	206.8	199.9	192.3	182.3	177.7	176.2	172.4	167.8	163.2
72.5°	136.4	154.7	155.5	155.5	150.9	150.9	146.3	144.0	144.0	139.4	134.1
75°	100.4	112.6	114.1	115.7	118.0	120.3	117.2	117.2	116.4	111.8	109.5
77.5°	66.6	77.4	81.2	86.6	89.6	89.6	91.2	92.7	91.2	88.9	87.3
80°	42.9	50.6	55.2	58.2	62.8	65.1	67.4	68.2	66.6	65.9	63.6
82.5°	28.3	30.6	32.9	36.8	42.1	46.0	46.0	45.2	46.7	46.0	45.2
85°	16.1	17.6	18.4	19.2	22.2	26.0	26.8	27.6	29.1	27.6	26.0
87.5°	6.1	6.9	6.9	6.9	8.4	9.2	11.5	14.6	13.8	12.3	12.3
90°	7.1	5.8	5.1	4.6	3.6	2.5	1.5	0.5	1.5	2.5	3.6
92.5°	17.5	16.9	16.6	16.3	15.7	15.0	14.4	13.8	14.4	15.0	15.7
95°	31.6	30.8	30.4	30.0	29.3	28.6	27.8	27.1	27.8	28.6	29.3
97.5°	47.8	47.2	46.9	46.6	46.1	45.6	45.1	44.6	45.1	45.6	46.1
100°	66.1	65.6	65.3	65.0	64.4	63.8	63.2	62.6	63.2	63.8	64.4
102.5°	85.8	85.1	84.7	84.5	84.2	83.9	83.6	83.3	83.6	83.9	84.2
105°	105.8	104.9	104.4	104.3	104.1	103.9	103.7	103.5	103.7	103.9	104.1
107.5°	128.5	128.1	127.9	127.8	127.7	127.6	127.5	127.4	127.5	127.6	127.7
110°	150.7	150.5	150.4	150.3	150.1	149.9	149.7	149.5	149.7	149.9	150.1

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	173.0	173.0	173.0	172.9	172.8	172.7	172.6	172.5	172.6	172.7	172.8
115°	196.6	196.8	196.9	196.7	196.4	196.1	195.8	195.5	195.8	196.1	196.4
117.5°	219.2	219.4	219.5	219.4	219.3	219.2	219.1	219.0	219.1	219.2	219.3
120°	242.6	243.1	243.4	243.1	242.5	241.8	241.2	240.6	241.2	241.8	242.5
122.5°	264.7	264.9	265.0	264.8	264.4	264.0	263.6	263.2	263.6	264.0	264.4
125°	287.2	287.4	287.5	287.4	287.1	286.8	286.5	286.2	286.5	286.8	287.1
127.5°	309.8	310.0	310.1	309.8	309.2	308.5	307.9	307.3	307.9	308.5	309.2
130°	331.7	332.0	332.2	331.8	331.0	330.1	329.3	328.5	329.3	330.1	331.0
132.5°	353.0	353.2	353.3	352.9	352.1	351.2	350.4	349.6	350.4	351.2	352.1
135°	373.9	374.0	374.0	373.7	373.1	372.5	371.9	371.3	371.9	372.5	373.1
137.5°	393.8	393.5	393.4	393.1	392.6	392.1	391.6	391.1	391.6	392.1	392.6
140°	414.2	414.1	414.1	413.8	413.3	412.8	412.3	411.8	412.3	412.8	413.3
142.5°	433.2	433.0	432.9	432.6	432.1	431.6	431.1	430.6	431.1	431.6	432.1
145°	451.8	451.5	451.3	451.2	451.0	450.8	450.6	450.4	450.6	450.8	451.0
147.5°	469.7	469.4	469.3	469.1	468.7	468.2	467.8	467.4	467.8	468.2	468.7
150°	486.6	486.4	486.3	486.2	486.0	485.8	485.6	485.4	485.6	485.8	486.0
152.5°	501.6	501.5	501.5	501.3	501.0	500.7	500.4	500.1	500.4	500.7	501.0
155°	515.9	515.8	515.7	515.7	515.7	515.7	515.7	515.7	515.7	515.7	515.7
157.5°	528.8	528.7	528.6	528.7	528.8	528.9	529.0	529.1	529.0	528.9	528.8
160°	540.6	540.6	540.6	540.7	540.9	541.1	541.3	541.5	541.3	541.1	540.9
162.5°	551.3	551.2	551.2	551.3	551.6	551.9	552.2	552.5	552.2	551.9	551.6
165°	560.4	560.4	560.4	560.5	560.8	561.1	561.4	561.7	561.4	561.1	560.8
167.5°	567.9	567.8	567.7	567.9	568.3	568.8	569.2	569.6	569.2	568.8	568.3
170°	574.2	574.2	574.2	574.4	574.8	575.2	575.6	576.0	575.6	575.2	574.8
172.5°	579.2	579.2	579.2	579.4	579.8	580.3	580.7	581.1	580.7	580.3	579.8
175°	582.4	582.4	582.4	582.6	583.0	583.5	583.9	584.3	583.9	583.5	583.0
177.5°	584.3	584.3	584.3	584.5	584.9	585.3	585.7	586.1	585.7	585.3	584.9
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	883.3	879.4	877.9	874.1	864.9	858.8	851.9	847.3	848.0	844.2	846.5
5°	855.7	854.9	849.6	841.9	828.9	822.0	809.7	803.6	800.5	801.3	796.7
7.5°	832.7	825.8	822.0	809.7	797.5	782.9	773.0	767.6	763.0	758.4	755.3
10°	806.7	800.5	794.4	781.4	764.5	750.7	737.0	731.6	724.7	721.6	719.3
12.5°	779.1	775.3	767.6	752.3	733.1	720.1	704.0	700.9	691.8	685.6	684.1
15°	753.8	751.5	737.7	720.1	700.9	687.9	674.1	664.9	649.6	652.7	647.3
17.5°	727.0	717.0	708.6	684.9	675.7	655.7	639.7	635.1	624.3	617.4	610.6
20°	697.1	691.0	680.3	664.9	642.7	619.7	607.5	599.8	593.7	583.0	579.9
22.5°	668.8	661.1	651.9	632.0	612.8	593.7	576.8	569.9	562.3	554.6	550.0
25°	646.6	635.1	625.1	600.6	581.4	565.4	554.6	543.1	532.4	527.8	526.3
27.5°	612.1	605.2	595.2	572.2	554.6	537.0	527.0	519.4	507.9	502.5	497.9
30°	589.9	576.1	564.6	546.2	528.6	509.4	500.2	491.0	484.2	477.3	471.9
32.5°	560.0	549.3	540.1	521.7	504.1	486.4	476.5	462.7	458.9	453.5	447.4
35°	530.9	524.0	514.0	494.1	475.0	462.7	452.0	439.0	434.4	430.5	425.2
37.5°	503.3	493.3	486.4	467.3	450.4	435.9	427.5	416.7	413.7	409.1	405.2
40°	479.6	469.6	462.7	443.5	425.9	410.6	405.2	394.5	389.9	384.6	382.3
42.5°	452.7	444.3	435.1	421.3	402.9	387.6	376.9	370.8	364.6	362.3	357.8
45°	424.4	416.7	409.8	394.5	375.4	364.6	355.5	347.0	342.4	338.6	335.5
47.5°	399.9	393.0	383.8	366.9	351.6	341.7	332.5	324.0	319.4	314.9	311.0
50°	371.5	367.7	357.8	341.7	327.1	315.6	307.2	299.5	296.5	291.1	285.0
52.5°	346.3	339.4	330.9	317.9	304.9	291.1	279.6	275.0	269.7	266.6	261.2
55°	316.4	311.8	302.6	291.1	277.3	265.8	257.4	251.3	244.4	241.3	234.4
57.5°	291.1	282.7	278.1	263.5	250.5	239.0	232.9	226.8	219.1	214.5	211.4
60°	263.5	255.9	249.0	236.7	227.5	215.3	206.1	200.7	195.3	189.2	186.2
62.5°	236.7	230.6	222.2	212.2	200.7	190.7	183.9	176.2	173.1	167.0	164.7
65°	207.6	203.0	196.1	184.6	175.4	167.0	160.1	154.0	150.9	148.6	147.1
67.5°	181.6	175.4	170.8	160.9	150.9	144.0	140.2	136.4	132.5	130.2	127.9
70°	154.7	150.1	145.6	136.4	129.5	123.3	120.3	117.2	114.9	112.6	110.3
72.5°	127.2	124.9	120.3	114.1	108.8	104.2	101.9	98.1	95.8	91.9	90.4
75°	105.0	101.1	98.8	93.5	88.9	85.0	82.0	77.4	74.3	72.8	72.0
77.5°	82.7	81.2	78.1	73.5	71.2	67.4	62.8	61.3	59.8	59.8	59.0
80°	62.1	59.8	57.5	53.6	51.3	48.3	48.3	48.3	47.5	48.3	47.5
82.5°	42.1	40.6	39.1	36.8	36.0	36.0	36.8	36.8	36.8	36.8	36.8
85°	24.5	24.5	24.5	25.3	24.5	24.5	25.3	26.0	25.3	25.3	24.5
87.5°	11.5	11.5	12.3	12.3	13.0	13.0	13.0	13.0	13.0	13.0	13.8
90°	4.6	5.1	5.8	7.1	8.4	9.7	11.0	11.4	11.8	12.3	12.7
92.5°	16.3	16.6	16.9	17.5	18.1	18.7	19.3	19.6	19.9	20.2	20.5
95°	30.0	30.4	30.8	31.6	32.4	33.2	34.0	34.4	34.8	35.3	35.7
97.5°	46.6	46.9	47.2	47.8	48.5	49.1	49.7	50.2	50.7	51.2	51.7
100°	65.0	65.3	65.6	66.1	66.6	67.1	67.6	67.9	68.2	68.5	68.8
102.5°	84.5	84.7	85.1	85.8	86.5	87.2	87.9	88.2	88.5	88.8	89.1
105°	104.3	104.4	104.9	105.8	106.7	107.7	108.6	108.6	108.6	108.6	108.6
107.5°	127.8	127.9	128.1	128.5	128.9	129.3	129.7	130.0	130.3	130.6	130.9
110°	150.3	150.4	150.5	150.7	151.0	151.2	151.4	151.8	152.2	152.6	153.0

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	172.9	173.0	173.0	173.0	173.0	173.0	173.0	173.5	174.0	174.5	175.0
115°	196.7	196.9	196.8	196.6	196.4	196.2	196.0	196.1	196.2	196.3	196.4
117.5°	219.4	219.5	219.4	219.2	218.9	218.7	218.5	218.5	218.5	218.5	218.5
120°	243.1	243.4	243.1	242.6	242.1	241.6	241.1	241.0	240.9	240.8	240.7
122.5°	264.8	265.0	264.9	264.7	264.5	264.3	264.1	263.8	263.5	263.2	262.9
125°	287.4	287.5	287.4	287.2	287.0	286.8	286.6	286.2	285.8	285.4	285.0
127.5°	309.8	310.1	310.0	309.8	309.6	309.4	309.2	308.6	308.0	307.3	306.7
130°	331.8	332.2	332.0	331.7	331.4	331.1	330.8	330.4	330.0	329.5	329.1
132.5°	352.9	353.3	353.2	353.0	352.8	352.6	352.4	351.9	351.4	350.9	350.4
135°	373.7	374.0	374.0	373.9	373.8	373.7	373.6	373.2	372.8	372.3	371.9
137.5°	393.1	393.4	393.5	393.8	394.1	394.4	394.7	394.2	393.7	393.2	392.7
140°	413.8	414.1	414.1	414.2	414.3	414.4	414.5	414.4	414.3	414.2	414.1
142.5°	432.6	432.9	433.0	433.2	433.4	433.6	433.8	433.7	433.6	433.5	433.4
145°	451.2	451.3	451.5	451.8	452.1	452.4	452.7	452.6	452.5	452.4	452.3
147.5°	469.1	469.3	469.4	469.7	470.0	470.3	470.6	470.6	470.6	470.6	470.6
150°	486.2	486.3	486.4	486.6	486.8	487.0	487.2	487.2	487.2	487.2	487.2
152.5°	501.3	501.5	501.5	501.6	501.7	501.8	501.9	502.1	502.3	502.6	502.8
155°	515.7	515.7	515.8	515.9	516.0	516.1	516.2	516.6	517.0	517.4	517.8
157.5°	528.7	528.6	528.7	528.8	528.9	529.0	529.1	529.5	529.9	530.3	530.7
160°	540.7	540.6	540.6	540.6	540.6	540.6	540.6	541.1	541.6	542.1	542.6
162.5°	551.3	551.2	551.2	551.3	551.4	551.5	551.6	552.1	552.6	553.1	553.6
165°	560.5	560.4	560.4	560.4	560.4	560.4	560.4	561.0	561.6	562.2	562.8
167.5°	567.9	567.7	567.8	567.9	568.0	568.1	568.2	568.8	569.4	570.0	570.6
170°	574.4	574.2	574.2	574.2	574.2	574.2	574.2	574.9	575.6	576.3	577.0
172.5°	579.4	579.2	579.2	579.2	579.2	579.2	579.2	579.8	580.4	581.1	581.7
175°	582.6	582.4	582.4	582.4	582.4	582.4	582.4	583.0	583.6	584.3	584.9
177.5°	584.5	584.3	584.3	584.3	584.3	584.3	584.3	584.9	585.5	586.1	586.7
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	845.7	846.5	844.2	839.6	838.8	840.4	845.0	843.4	839.6	846.5	840.4
5°	799.0	795.2	793.6	795.2	790.6	788.3	792.9	790.6	792.9	793.6	795.9
7.5°	753.8	754.6	750.0	750.7	744.6	746.1	746.1	746.1	748.4	750.0	753.0
10°	714.7	716.3	710.9	711.7	707.1	704.0	706.3	710.9	710.9	710.9	712.4
12.5°	683.3	676.4	672.6	671.8	666.5	664.9	669.5	671.1	674.9	674.9	677.2
15°	644.3	642.7	639.7	639.7	626.6	629.7	631.2	636.6	644.3	638.1	639.7
17.5°	609.0	605.2	601.4	599.8	598.3	593.7	599.8	599.1	603.7	604.4	606.7
20°	577.6	574.5	566.9	567.7	569.2	562.3	566.1	566.1	570.7	575.3	580.7
22.5°	547.0	543.9	540.1	541.6	537.0	535.5	535.5	539.3	544.7	548.5	547.7
25°	523.2	517.9	515.6	513.3	511.0	512.5	510.2	514.0	517.9	520.2	517.9
27.5°	496.4	494.1	489.5	487.2	483.4	484.9	486.4	489.5	491.8	491.8	494.1
30°	470.4	467.3	465.8	463.5	463.5	460.4	461.2	464.2	466.5	468.8	471.9
32.5°	445.1	442.8	440.5	440.5	439.0	438.2	437.4	442.0	442.0	446.6	446.6
35°	424.4	420.6	420.6	416.7	418.3	417.5	416.0	419.0	419.8	422.9	422.1
37.5°	401.4	401.4	399.9	396.1	393.0	393.8	397.6	397.6	399.9	399.1	401.4
40°	378.4	376.9	376.9	374.6	373.8	373.1	373.8	374.6	378.4	377.7	378.4
42.5°	355.5	356.2	352.4	352.4	352.4	350.1	350.9	351.6	353.2	354.7	357.0
45°	333.2	331.7	330.9	329.4	327.9	328.6	327.9	330.9	330.2	331.7	334.0
47.5°	309.5	307.2	306.4	303.4	303.4	304.9	304.1	306.4	307.2	309.5	308.0
50°	286.5	283.4	281.1	281.9	277.3	278.8	278.8	281.1	283.4	284.2	285.7
52.5°	259.7	258.9	258.2	254.3	253.6	252.8	253.6	254.3	257.4	259.7	260.5
55°	233.6	232.9	228.3	226.8	224.5	224.5	226.0	226.8	232.1	232.9	235.9
57.5°	209.9	207.6	202.2	201.5	201.5	201.5	199.2	202.2	203.8	207.6	207.6
60°	183.9	183.9	179.3	179.3	180.0	179.3	179.3	180.0	180.0	183.1	184.6
62.5°	163.2	162.4	162.4	160.9	160.1	160.9	160.1	160.1	160.9	163.2	165.5
65°	144.8	144.0	143.3	142.5	141.0	141.0	141.7	143.3	143.3	144.8	145.6
67.5°	127.2	127.2	125.6	125.6	124.9	124.1	124.9	124.1	127.2	127.2	127.9
70°	109.5	108.8	106.5	105.7	103.4	104.2	104.2	106.5	107.2	108.8	110.3
72.5°	88.1	88.1	86.6	85.0	85.8	84.3	84.3	85.0	85.0	87.3	88.1
75°	72.8	71.2	70.5	71.2	70.5	72.0	70.5	70.5	72.0	72.0	72.0
77.5°	59.8	59.8	59.0	59.0	59.8	59.0	59.8	59.8	59.8	59.0	59.8
80°	49.0	48.3	48.3	48.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
82.5°	36.8	36.8	36.0	36.8	36.8	36.0	36.8	36.0	36.0	36.8	36.8
85°	24.5	26.0	24.5	24.5	25.3	25.3	26.0	25.3	26.0	24.5	25.3
87.5°	13.0	13.8	13.8	13.0	13.0	13.8	13.8	13.8	14.6	13.0	13.8
90°	12.9	13.0	13.2	13.4	13.6	13.8	13.6	13.4	13.2	13.0	12.9
92.5°	20.7	20.6	20.4	20.2	20.0	19.8	20.0	20.2	20.4	20.6	20.7
95°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
97.5°	52.0	51.9	51.8	51.7	51.6	51.5	51.6	51.7	51.8	51.9	52.0
100°	69.0	69.1	69.3	69.5	69.7	69.9	69.7	69.5	69.3	69.1	69.0
102.5°	89.3	89.2	89.1	89.0	88.9	88.8	88.9	89.0	89.1	89.2	89.3
105°	108.6	108.7	108.9	109.1	109.3	109.5	109.3	109.1	108.9	108.7	108.6
107.5°	131.1	131.1	131.0	130.9	130.8	130.7	130.8	130.9	131.0	131.1	131.1
110°	153.2	153.1	152.9	152.7	152.5	152.3	152.5	152.7	152.9	153.1	153.2

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3
115°	196.4	196.4	196.3	196.2	196.1	196.0	196.1	196.2	196.3	196.4	196.4
117.5°	218.5	218.4	218.1	217.8	217.5	217.2	217.5	217.8	218.1	218.4	218.5
120°	240.6	240.5	240.3	240.1	239.9	239.7	239.9	240.1	240.3	240.5	240.6
122.5°	262.7	262.5	262.2	261.9	261.6	261.3	261.6	261.9	262.2	262.5	262.7
125°	284.8	284.6	284.2	283.7	283.3	282.9	283.3	283.7	284.2	284.6	284.8
127.5°	306.4	306.2	305.8	305.4	305.0	304.6	305.0	305.4	305.8	306.2	306.4
130°	328.9	328.5	327.8	327.1	326.4	325.7	326.4	327.1	327.8	328.5	328.9
132.5°	350.1	349.8	349.3	348.8	348.3	347.8	348.3	348.8	349.3	349.8	350.1
135°	371.7	371.6	371.4	371.2	371.0	370.8	371.0	371.2	371.4	371.6	371.7
137.5°	392.4	392.3	392.0	391.7	391.4	391.1	391.4	391.7	392.0	392.3	392.4
140°	414.1	413.7	413.0	412.3	411.5	410.8	411.5	412.3	413.0	413.7	414.1
142.5°	433.4	433.1	432.6	432.1	431.6	431.1	431.6	432.1	432.6	433.1	433.4
145°	452.2	452.0	451.6	451.2	450.8	450.4	450.8	451.2	451.6	452.0	452.2
147.5°	470.6	470.3	469.7	469.1	468.5	467.9	468.5	469.1	469.7	470.3	470.6
150°	487.2	486.9	486.3	485.6	485.0	484.4	485.0	485.6	486.3	486.9	487.2
152.5°	502.9	502.6	502.1	501.6	501.0	500.5	501.0	501.6	502.1	502.6	502.9
155°	518.0	517.6	516.9	516.2	515.5	514.8	515.5	516.2	516.9	517.6	518.0
157.5°	530.9	530.6	530.0	529.4	528.8	528.2	528.8	529.4	530.0	530.6	530.9
160°	542.9	542.7	542.3	541.8	541.4	541.0	541.4	541.8	542.3	542.7	542.9
162.5°	553.9	553.5	552.8	552.1	551.4	550.7	551.4	552.1	552.8	553.5	553.9
165°	563.1	562.7	562.0	561.3	560.6	559.9	560.6	561.3	562.0	562.7	563.1
167.5°	570.9	570.6	570.0	569.4	568.8	568.2	568.8	569.4	570.0	570.6	570.9
170°	577.4	577.0	576.3	575.6	574.9	574.2	574.9	575.6	576.3	577.0	577.4
172.5°	582.0	581.6	580.9	580.2	579.5	578.8	579.5	580.2	580.9	581.6	582.0
175°	585.2	584.8	584.1	583.4	582.7	582.0	582.7	583.4	584.1	584.8	585.2
177.5°	587.0	586.6	585.9	585.2	584.5	583.8	584.5	585.2	585.9	586.6	587.0
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8	894.8
2.5°	846.5	849.6	846.5	840.4	846.5	850.3	854.2	860.3	863.4	863.4	867.9
5°	798.2	804.4	802.1	800.5	806.7	810.5	816.6	824.3	832.7	838.1	844.2
7.5°	755.3	759.2	763.0	763.0	769.1	777.6	786.7	795.9	806.7	814.3	818.9
10°	717.8	720.9	723.2	726.2	735.4	744.6	756.9	768.4	777.6	786.0	793.6
12.5°	681.8	686.4	691.8	694.1	700.9	712.4	723.9	737.7	752.3	760.7	768.4
15°	647.3	649.6	655.7	662.6	668.8	681.0	695.6	710.1	722.4	735.4	742.3
17.5°	612.1	612.8	628.9	625.1	645.0	656.5	664.2	678.0	697.9	708.6	719.3
20°	577.6	585.3	592.2	596.0	606.7	619.7	642.0	652.7	668.8	678.7	687.9
22.5°	550.8	562.3	562.3	571.5	576.8	589.1	605.2	625.9	643.5	650.4	663.4
25°	527.0	532.4	541.6	544.7	554.6	565.4	576.1	598.3	617.4	626.6	635.8
27.5°	496.4	503.3	515.6	515.6	528.6	540.1	553.1	567.7	586.8	599.8	609.8
30°	472.7	479.6	484.9	493.3	498.7	509.4	532.4	543.1	560.0	571.5	583.7
32.5°	450.4	455.8	460.4	469.6	475.7	488.0	500.2	519.4	533.9	544.7	557.7
35°	425.9	431.3	437.4	444.3	453.5	465.0	476.5	492.6	507.1	517.1	527.8
37.5°	402.9	406.8	416.0	420.6	428.2	439.0	453.5	470.4	483.4	491.0	501.8
40°	380.7	383.8	390.7	399.1	404.5	412.9	428.2	442.8	458.9	468.1	476.5
42.5°	357.0	360.8	366.9	375.4	383.8	393.0	401.4	418.3	432.8	440.5	449.7
45°	336.3	338.6	343.2	351.6	360.0	366.9	380.0	395.3	409.1	415.2	425.2
47.5°	311.8	314.1	321.0	324.8	334.0	343.2	356.2	371.5	383.8	389.9	399.1
50°	286.5	288.8	293.4	301.8	308.0	317.9	329.4	342.4	357.8	366.2	371.5
52.5°	262.0	266.6	270.4	277.3	285.0	294.9	305.7	317.9	330.9	339.4	345.5
55°	237.5	241.3	245.9	249.7	258.9	268.1	280.4	291.9	303.4	311.0	317.9
57.5°	209.9	215.3	219.9	227.5	234.4	242.1	255.9	265.1	278.8	284.2	290.3
60°	186.2	191.5	195.3	201.5	207.6	217.6	226.8	238.2	249.7	256.6	264.3
62.5°	166.2	168.5	170.8	177.0	183.1	192.3	201.5	213.0	225.2	229.1	235.2
65°	146.3	148.6	152.4	157.8	162.4	167.8	177.7	186.9	198.4	204.5	206.8
67.5°	129.5	131.8	132.5	136.4	140.2	146.3	151.7	160.9	171.6	175.4	180.0
70°	110.3	114.1	114.9	118.0	119.5	123.3	129.5	136.4	144.8	151.7	155.5
72.5°	88.1	93.5	95.0	99.6	101.9	105.7	110.3	115.7	121.0	124.1	127.2
75°	72.0	73.5	74.3	78.1	82.0	87.3	89.6	92.7	97.3	101.1	104.2
77.5°	59.8	60.5	61.3	61.3	62.1	65.1	69.7	73.5	76.6	78.1	80.4
80°	48.3	47.5	47.5	48.3	48.3	48.3	49.8	55.2	56.7	60.5	59.8
82.5°	37.5	36.0	36.8	36.0	36.0	36.0	36.0	36.8	36.8	39.1	40.6
85°	24.5	25.3	24.5	24.5	23.7	24.5	23.7	23.7	23.0	23.0	22.2
87.5°	13.0	13.8	13.0	13.0	12.3	13.0	12.3	12.3	11.5	11.5	10.0
90°	12.7	12.3	11.8	11.4	11.0	9.7	8.4	7.1	5.8	5.1	4.6
92.5°	20.5	20.2	19.9	19.6	19.3	18.7	18.1	17.5	16.9	16.6	16.3
95°	35.7	35.3	34.8	34.4	34.0	33.2	32.4	31.6	30.8	30.4	30.0
97.5°	51.7	51.2	50.7	50.2	49.7	49.1	48.5	47.8	47.2	46.9	46.6
100°	68.8	68.5	68.2	67.9	67.6	67.1	66.6	66.1	65.6	65.3	65.0
102.5°	89.1	88.8	88.5	88.2	87.9	87.2	86.5	85.8	85.1	84.7	84.5
105°	108.6	108.6	108.6	108.6	108.6	107.7	106.7	105.8	104.9	104.4	104.3
107.5°	130.9	130.6	130.3	130.0	129.7	129.3	128.9	128.5	128.1	127.9	127.8
110°	153.0	152.6	152.2	151.8	151.4	151.2	151.0	150.7	150.5	150.4	150.3

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	175.0	174.5	174.0	173.5	173.0	173.0	173.0	173.0	173.0	173.0	172.9
115°	196.4	196.3	196.2	196.1	196.0	196.2	196.4	196.6	196.8	196.9	196.7
117.5°	218.5	218.5	218.5	218.5	218.5	218.7	218.9	219.2	219.4	219.5	219.4
120°	240.7	240.8	240.9	241.0	241.1	241.6	242.1	242.6	243.1	243.4	243.1
122.5°	262.9	263.2	263.5	263.8	264.1	264.3	264.5	264.7	264.9	265.0	264.8
125°	285.0	285.4	285.8	286.2	286.6	286.8	287.0	287.2	287.4	287.5	287.4
127.5°	306.7	307.3	308.0	308.6	309.2	309.4	309.6	309.8	310.0	310.1	309.8
130°	329.1	329.5	330.0	330.4	330.8	331.1	331.4	331.7	332.0	332.2	331.8
132.5°	350.4	350.9	351.4	351.9	352.4	352.6	352.8	353.0	353.2	353.3	352.9
135°	371.9	372.3	372.8	373.2	373.6	373.7	373.8	373.9	374.0	374.0	373.7
137.5°	392.7	393.2	393.7	394.2	394.7	394.4	394.1	393.8	393.5	393.4	393.1
140°	414.1	414.2	414.3	414.4	414.5	414.4	414.3	414.2	414.1	414.1	413.8
142.5°	433.4	433.5	433.6	433.7	433.8	433.6	433.4	433.2	433.0	432.9	432.6
145°	452.3	452.4	452.5	452.6	452.7	452.4	452.1	451.8	451.5	451.3	451.2
147.5°	470.6	470.6	470.6	470.6	470.6	470.3	470.0	469.7	469.4	469.3	469.1
150°	487.2	487.2	487.2	487.2	487.2	487.0	486.8	486.6	486.4	486.3	486.2
152.5°	502.8	502.6	502.3	502.1	501.9	501.8	501.7	501.6	501.5	501.5	501.3
155°	517.8	517.4	517.0	516.6	516.2	516.1	516.0	515.9	515.8	515.7	515.7
157.5°	530.7	530.3	529.9	529.5	529.1	529.0	528.9	528.8	528.7	528.6	528.7
160°	542.6	542.1	541.6	541.1	540.6	540.6	540.6	540.6	540.6	540.6	540.7
162.5°	553.6	553.1	552.6	552.1	551.6	551.5	551.4	551.3	551.2	551.2	551.3
165°	562.8	562.2	561.6	561.0	560.4	560.4	560.4	560.4	560.4	560.4	560.5
167.5°	570.6	570.0	569.4	568.8	568.2	568.1	568.0	567.9	567.8	567.7	567.9
170°	577.0	576.3	575.6	574.9	574.2	574.2	574.2	574.2	574.2	574.2	574.4
172.5°	581.7	581.1	580.4	579.8	579.2	579.2	579.2	579.2	579.2	579.2	579.4
175°	584.9	584.3	583.6	583.0	582.4	582.4	582.4	582.4	582.4	582.4	582.6
177.5°	586.7	586.1	585.5	584.9	584.3	584.3	584.3	584.3	584.3	584.3	584.5
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	894.8	894.8	894.8	894.8
2.5°	871.8	877.1	887.9	897.1
5°	853.4	861.8	877.9	894.0
7.5°	831.2	844.2	864.9	887.1
10°	809.7	826.6	851.9	877.9
12.5°	788.3	805.9	832.7	866.4
15°	763.0	781.4	813.6	854.2
17.5°	740.8	765.3	794.4	835.0
20°	717.0	735.4	773.0	815.9
22.5°	687.2	717.8	753.0	798.2
25°	663.4	690.2	725.5	776.8
27.5°	634.3	665.7	708.6	753.8
30°	610.6	636.6	676.4	730.8
32.5°	583.0	613.6	655.0	708.6
35°	558.5	584.5	623.6	678.0
37.5°	529.3	557.7	601.4	649.6
40°	504.1	531.6	573.0	618.2
42.5°	473.4	502.5	543.9	582.2
45°	448.9	475.7	508.7	543.9
47.5°	419.0	447.4	479.6	504.1
50°	392.2	418.3	443.5	464.2
52.5°	363.1	386.9	409.8	425.2
55°	336.3	354.7	373.1	383.8
57.5°	304.9	322.5	337.8	344.0
60°	277.3	291.9	301.8	308.7
62.5°	248.2	258.9	266.6	270.4
65°	219.9	227.5	231.4	235.2
67.5°	190.7	197.6	199.9	204.5
70°	160.1	167.8	169.3	171.6
72.5°	137.1	137.1	140.2	143.3
75°	109.5	111.1	112.6	112.6
77.5°	85.8	85.8	87.3	88.1
80°	62.8	63.6	63.6	62.8
82.5°	42.9	44.4	42.9	42.1
85°	23.7	26.8	25.3	25.3
87.5°	10.0	10.0	11.5	10.0
90°	3.6	2.5	1.5	0.5
92.5°	15.7	15.0	14.4	13.8
95°	29.3	28.6	27.8	27.1
97.5°	46.1	45.6	45.1	44.6
100°	64.4	63.8	63.2	62.6
102.5°	84.2	83.9	83.6	83.3
105°	104.1	103.9	103.7	103.5
107.5°	127.7	127.6	127.5	127.4
110°	150.1	149.9	149.7	149.5

TEST NUMBER: P1032337

CATALOG NUMBER: S123RDIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	172.8	172.7	172.6	172.5
115°	196.4	196.1	195.8	195.5
117.5°	219.3	219.2	219.1	219.0
120°	242.5	241.8	241.2	240.6
122.5°	264.4	264.0	263.6	263.2
125°	287.1	286.8	286.5	286.2
127.5°	309.2	308.5	307.9	307.3
130°	331.0	330.1	329.3	328.5
132.5°	352.1	351.2	350.4	349.6
135°	373.1	372.5	371.9	371.3
137.5°	392.6	392.1	391.6	391.1
140°	413.3	412.8	412.3	411.8
142.5°	432.1	431.6	431.1	430.6
145°	451.0	450.8	450.6	450.4
147.5°	468.7	468.2	467.8	467.4
150°	486.0	485.8	485.6	485.4
152.5°	501.0	500.7	500.4	500.1
155°	515.7	515.7	515.7	515.7
157.5°	528.8	528.9	529.0	529.1
160°	540.9	541.1	541.3	541.5
162.5°	551.6	551.9	552.2	552.5
165°	560.8	561.1	561.4	561.7
167.5°	568.3	568.8	569.2	569.6
170°	574.8	575.2	575.6	576.0
172.5°	579.8	580.3	580.7	581.1
175°	583.0	583.5	583.9	584.3
177.5°	584.9	585.3	585.7	586.1
180°	585.7	585.7	585.7	585.7

(END OF REPORT)