

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: P1032203

Luminaire Tested: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1032203
REPORT IS A COMBINATION OF REPORTS P994230 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIW-B340D1320UB35-4F0-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

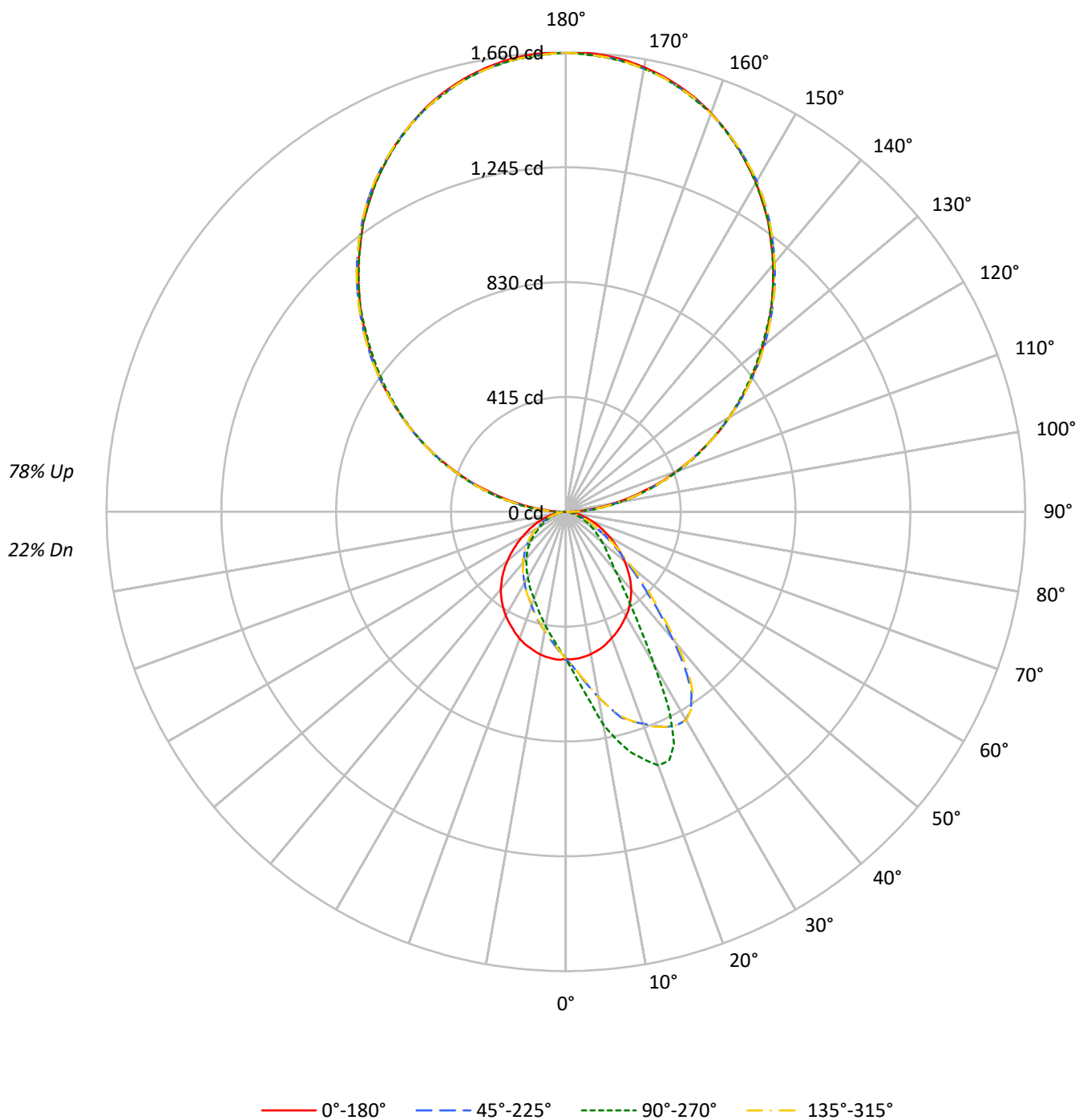
Lumens per Lamp: N/A
Luminaire Lumens: 5925.0 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 55.1
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



TEST NUMBER: P1032203

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	31	31	22
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	26	26	19
2	84	77	71	66	74	68	64	60	53	49	47	38	36	34	25	24	23	23	23	17
3	77	68	61	56	68	60	55	50	47	43	40	34	31	29	22	21	20	20	20	14
4	70	60	53	47	62	54	47	43	41	37	34	30	27	25	20	18	17	17	17	13
5	64	53	46	40	57	48	41	36	37	33	29	27	24	22	18	16	15	15	15	11
6	59	48	40	35	52	43	36	32	33	29	25	25	22	19	16	15	13	13	13	10
7	55	43	36	30	48	39	32	28	30	26	22	22	19	17	15	13	12	12	12	9
8	51	39	32	27	45	35	29	24	27	23	20	20	17	15	14	12	11	11	11	8
9	47	35	28	24	42	32	26	22	25	21	17	19	16	14	13	11	10	10	10	7
10	44	32	26	21	39	29	23	19	23	19	16	17	14	12	12	10	9	9	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5727	5727	5727	5727
5°	5732	6597	5747	4894
10°	5681	7964	5707	4275
15°	5623	9037	5623	3769
20°	5508	9748	5538	3344
25°	5424	9262	5412	3051
30°	5325	6417	5314	2765
35°	5207	4120	5184	2549
40°	5061	2909	5034	2334
45°	4804	2328	4797	2125
50°	4490	1948	4475	1880
55°	4135	1605	4102	1594
60°	3788	1326	3751	1356
65°	3382	1061	3404	1149
70°	3004	738	3086	930
75°	2549	547	2651	714
80°	2030	362	2199	535
85°	1441	171	1575	332

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7647 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	0.9
10°-20°	163.6	2.8
20°-30°	257.6	4.3
30°-40°	267.9	4.5
40°-50°	229.2	3.9
50°-60°	174.7	2.9
60°-70°	111.9	1.9
70°-80°	53.6	0.9
80°-90°	17.6	0.3
90°-100°	106.8	1.8
100°-110°	323.2	5.5
110°-120°	550.2	9.3
120°-130°	723.9	12.2
130°-140°	813.7	13.7
140°-150°	799.9	13.5
150°-160°	673.4	11.4
160°-170°	448.3	7.6
170°-180°	157.0	2.6
0°-30°	473.5	8.0
0°-40°	741.4	12.5
0°-60°	1145.3	19.3
0°-90°	1328.5	22.4
90°-120°	980.2	16.5
90°-150°	3317.7	56.0
90°-180°	4596.0	77.6
0°-180°	5925.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	532	532	532	532	532	
5°	532	632	533	469	532	50
15°	508	898	508	374	508	143
25°	462	925	461	305	462	213
35°	403	401	401	248	403	252
45°	324	214	323	195	324	249
55°	228	134	226	134	228	205
65°	140	77	141	84	140	140
75°	67	33	70	43	67	72
85°	15	8	16	15	15	17
90°	1	39	1	39	1	7
95°	77	102	77	102	77	85
105°	293	310	293	310	293	314
115°	554	555	554	555	554	548
125°	811	801	811	801	811	723
135°	1052	1050	1052	1050	1052	810
145°	1276	1276	1276	1276	1276	797
155°	1461	1458	1461	1458	1461	672
165°	1591	1586	1591	1586	1591	449
175°	1655	1648	1655	1648	1655	157
180°	1659	1659	1659	1659	1659	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	533.5	537.1	539.9	541.7	546.2	549.0	551.3	555.4	555.4	556.3	558.1
5°	531.7	539.4	544.9	552.2	561.7	566.3	572.7	578.1	585.9	590.0	594.1
7.5°	527.6	538.5	549.9	560.8	574.9	584.1	590.4	604.6	614.6	626.9	636.4
10°	522.1	537.1	551.7	568.6	587.7	601.4	610.9	629.6	648.7	666.1	680.6
12.5°	515.3	533.5	554.4	574.9	601.8	615.5	631.0	654.2	681.5	703.4	723.0
15°	508.0	528.9	552.6	577.7	611.4	630.5	652.8	681.1	711.6	743.0	769.9
17.5°	496.6	523.0	549.4	585.9	625.5	636.9	656.0	694.8	732.6	760.8	793.6
20°	485.2	514.8	548.1	580.9	623.7	650.1	667.9	708.9	749.4	783.6	815.0
22.5°	474.7	505.7	540.3	581.8	621.9	648.3	670.6	713.4	760.4	798.6	837.4
25°	462.0	495.7	533.9	573.1	621.9	641.9	666.5	716.2	765.8	810.0	857.9
27.5°	448.3	482.5	520.3	560.4	605.0	634.6	658.8	712.1	772.7	820.0	869.2
30°	434.6	469.7	506.1	542.1	592.3	620.5	648.3	707.1	776.3	830.5	868.3
32.5°	421.4	451.0	487.0	522.1	571.8	602.7	634.2	702.0	777.7	823.2	841.5
35°	403.2	434.2	463.3	500.7	550.8	581.3	618.2	701.6	771.8	800.0	790.9
37.5°	386.3	412.3	440.1	473.3	524.8	564.5	602.7	689.7	752.2	754.0	702.5
40°	367.7	389.1	412.3	447.4	503.0	542.1	583.6	671.5	716.6	689.7	599.1
42.5°	346.2	365.4	383.6	417.8	478.4	522.1	566.7	648.7	665.1	603.2	508.9
45°	323.5	339.0	355.8	391.8	452.4	495.7	540.3	613.7	596.8	509.3	419.6
47.5°	299.8	313.0	329.4	362.2	424.6	468.8	511.2	563.6	520.7	426.9	351.7
50°	276.1	286.6	302.5	336.2	396.4	436.4	475.6	509.8	449.7	366.3	290.7
52.5°	252.8	261.0	277.4	306.1	364.5	402.7	431.0	444.2	383.1	302.5	252.4
55°	228.2	237.4	248.3	277.4	335.3	363.6	382.2	381.8	318.9	256.5	208.7
57.5°	204.6	212.8	222.3	251.5	298.4	317.5	333.5	325.7	266.1	210.0	179.0
60°	183.6	188.2	198.6	223.2	258.8	275.2	284.3	271.1	217.3	177.2	148.1
62.5°	160.8	165.4	174.0	197.3	219.1	227.8	235.5	218.7	179.5	144.4	126.7
65°	139.9	145.8	151.3	169.9	181.8	192.3	191.3	177.2	140.3	117.5	103.0
67.5°	121.6	123.9	128.5	139.9	145.3	153.1	153.5	137.6	113.0	95.7	87.0
70°	102.0	104.3	107.5	113.0	116.6	118.5	117.5	103.4	85.2	74.7	67.0
72.5°	85.2	84.7	87.0	87.0	90.7	90.2	87.5	76.5	64.7	56.0	51.5
75°	67.0	67.4	67.9	67.0	65.6	63.8	61.5	53.3	45.6	41.5	37.4
77.5°	52.4	51.5	51.9	48.7	46.9	45.1	41.9	37.8	31.4	30.5	28.7
80°	37.4	36.9	36.4	35.1	31.0	29.2	26.9	24.6	23.2	22.3	21.9
82.5°	25.1	25.1	24.1	21.4	19.1	17.8	17.3	16.4	15.0	15.0	14.6
85°	15.0	14.6	13.7	10.9	9.6	9.6	9.6	9.6	8.7	8.7	8.2
87.5°	5.9	5.5	4.1	4.1	3.6	3.6	3.6	3.2	3.2	2.7	2.7
90°	1.3	4.2	7.1	10.0	12.9	14.3	16.2	20.0	23.7	27.5	31.3
92.5°	39.1	40.8	42.6	44.3	46.0	46.9	47.8	49.5	51.2	53.0	54.7
95°	76.9	78.9	80.9	83.0	85.0	86.0	87.2	89.5	91.8	94.1	96.4
97.5°	126.4	127.8	129.3	130.7	132.2	132.9	133.8	135.5	137.2	139.0	140.7
100°	177.2	178.9	180.7	182.4	184.1	185.0	185.7	187.2	188.7	190.1	191.6
102.5°	235.9	236.8	237.6	238.5	239.4	239.8	240.8	242.8	244.9	246.9	248.9
105°	293.2	293.8	294.4	294.9	295.5	295.8	297.1	299.7	302.3	304.9	307.5
107.5°	361.0	361.3	361.6	361.9	362.2	362.3	362.9	364.0	365.2	366.3	367.5
110°	423.5	424.1	424.7	425.2	425.8	426.1	426.4	427.0	427.5	428.1	428.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	488.7	489.0	489.3	489.6	489.9	490.0	490.0	490.0	490.0	490.0	490.0
115°	553.8	554.7	555.5	556.4	557.3	557.7	557.4	556.8	556.3	555.7	555.1
117.5°	620.3	620.6	620.9	621.2	621.5	621.6	621.3	620.7	620.2	619.6	619.0
120°	681.5	683.3	685.0	686.8	688.5	689.4	688.7	687.2	685.7	684.3	682.8
122.5°	745.4	746.6	747.7	748.9	750.0	750.6	750.3	749.7	749.2	748.6	748.0
125°	810.6	811.5	812.3	813.2	814.1	814.5	814.2	813.6	813.1	812.5	811.9
127.5°	870.5	872.2	874.0	875.7	877.4	878.3	878.0	877.4	876.9	876.3	875.7
130°	930.4	932.7	935.1	937.4	939.7	940.9	940.5	939.6	938.7	937.9	937.0
132.5°	990.4	992.7	995.0	997.3	999.6	1000.8	1000.5	999.9	999.4	998.8	998.2
135°	1051.6	1053.4	1055.1	1056.9	1058.6	1059.5	1059.3	1059.0	1058.7	1058.4	1058.1
137.5°	1107.7	1109.1	1110.6	1112.0	1113.5	1114.2	1114.6	1115.5	1116.4	1117.2	1118.1
140°	1166.3	1167.7	1169.2	1170.6	1172.1	1172.8	1172.9	1173.2	1173.5	1173.8	1174.1
142.5°	1219.7	1221.2	1222.6	1224.1	1225.6	1226.3	1226.6	1227.2	1227.7	1228.3	1228.9
145°	1275.8	1276.4	1277.0	1277.5	1278.1	1278.4	1278.8	1279.7	1280.6	1281.4	1282.3
147.5°	1324.0	1325.2	1326.3	1327.5	1328.6	1329.2	1329.6	1330.5	1331.4	1332.2	1333.1
150°	1374.8	1375.4	1376.0	1376.5	1377.1	1377.4	1377.7	1378.3	1378.8	1379.4	1380.0
152.5°	1416.5	1417.4	1418.2	1419.1	1420.0	1420.4	1420.5	1420.8	1421.1	1421.4	1421.7
155°	1460.8	1460.8	1460.8	1460.8	1460.8	1460.8	1460.9	1461.2	1461.5	1461.8	1462.1
157.5°	1498.6	1498.3	1498.0	1497.7	1497.4	1497.3	1497.4	1497.7	1498.0	1498.3	1498.6
160°	1533.8	1533.2	1532.6	1532.1	1531.5	1531.2	1531.2	1531.2	1531.2	1531.2	1531.2
162.5°	1565.1	1564.2	1563.4	1562.5	1561.6	1561.2	1561.3	1561.6	1561.9	1562.2	1562.5
165°	1591.1	1590.2	1589.4	1588.5	1587.6	1587.2	1587.2	1587.2	1587.2	1587.2	1587.2
167.5°	1613.3	1612.1	1611.0	1609.8	1608.7	1608.1	1608.2	1608.5	1608.8	1609.1	1609.4
170°	1631.5	1630.3	1629.2	1628.0	1626.9	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3
172.5°	1645.9	1644.7	1643.5	1642.4	1641.2	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6
175°	1655.0	1653.8	1652.7	1651.5	1650.4	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8
177.5°	1660.2	1659.0	1657.9	1656.7	1655.6	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0
180°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	561.7	561.7	565.8	569.9	567.7	569.0	574.0	572.2	575.9	575.4	576.8
5°	604.1	609.1	613.2	621.9	623.2	621.9	630.5	632.8	636.9	631.9	634.2
7.5°	651.9	662.4	672.4	685.2	689.3	690.2	694.8	701.1	706.6	696.6	701.6
10°	698.4	714.3	734.8	746.2	756.3	759.9	763.6	767.7	774.0	780.0	775.4
12.5°	748.5	771.8	791.3	811.8	824.1	822.8	833.3	836.0	841.0	842.4	844.2
15°	789.5	822.3	834.6	865.1	867.9	877.0	888.8	899.3	900.7	897.9	897.9
17.5°	828.7	856.9	878.8	903.4	908.4	916.2	931.2	936.2	938.0	937.6	937.6
20°	860.6	879.3	916.2	936.7	944.9	954.9	965.4	971.8	973.1	974.9	972.2
22.5°	881.5	909.8	939.9	956.7	963.6	967.2	974.0	975.9	973.6	974.0	974.5
25°	897.9	925.7	944.0	948.5	948.1	943.5	938.5	929.8	928.9	925.3	918.0
27.5°	902.5	913.0	910.7	892.0	873.3	871.5	841.5	825.1	806.4	809.1	798.6
30°	877.9	864.2	831.9	784.5	764.9	733.0	699.3	664.2	650.6	635.5	663.3
32.5°	817.8	769.0	711.6	650.1	617.3	589.1	553.1	527.6	513.0	500.7	524.4
35°	727.1	651.0	574.9	516.6	489.7	464.2	430.5	417.8	399.5	401.4	403.6
37.5°	610.5	526.6	469.2	411.8	394.1	383.6	359.0	339.4	333.0	331.2	331.2
40°	501.1	432.3	381.3	336.2	322.6	313.9	294.3	285.2	278.4	276.5	278.8
42.5°	414.6	355.8	316.2	286.1	276.5	265.6	257.4	246.0	244.6	241.5	245.6
45°	348.1	297.0	267.4	245.6	237.4	233.3	224.1	217.3	214.6	214.1	217.3
47.5°	295.2	255.6	229.6	215.9	209.6	205.5	197.7	195.0	192.3	193.2	191.8
50°	247.8	218.2	201.4	189.1	185.0	180.9	175.9	173.1	171.8	171.8	171.3
52.5°	212.8	188.2	177.2	165.8	164.0	161.7	156.3	154.4	152.2	151.7	153.5
55°	182.2	165.4	154.4	147.6	145.8	141.2	139.0	136.7	135.3	134.4	134.9
57.5°	155.8	143.1	135.8	129.8	126.7	124.8	120.7	120.3	119.4	119.4	118.9
60°	133.9	124.8	116.2	112.5	110.3	108.0	107.5	104.8	103.4	104.3	103.9
62.5°	113.4	106.1	101.1	97.0	95.7	93.8	92.5	91.6	90.2	90.7	90.7
65°	94.8	88.8	85.2	81.5	81.1	79.3	78.8	77.9	77.9	77.4	78.4
67.5°	77.9	73.8	70.6	68.3	67.0	67.4	65.6	64.2	64.2	63.8	65.1
70°	62.0	59.7	56.5	53.8	51.9	51.9	49.7	49.2	49.2	49.2	48.7
72.5°	47.8	43.7	42.4	41.5	41.5	41.5	40.5	40.5	40.1	40.5	40.1
75°	35.5	35.1	34.2	33.7	33.7	33.3	32.8	32.8	32.8	32.8	32.8
77.5°	27.8	27.8	26.9	26.4	26.4	26.4	26.0	26.0	25.5	25.5	25.5
80°	20.5	20.5	19.6	19.6	19.6	19.1	19.1	19.1	19.6	19.1	19.1
82.5°	14.1	14.1	13.7	14.1	13.7	13.2	13.2	13.2	12.8	13.2	13.2
85°	8.2	8.2	7.7	7.3	7.7	7.7	7.3	7.7	7.3	7.7	7.3
87.5°	3.2	2.7	2.7	2.7	2.3	2.7	2.3	2.3	2.7	2.3	2.7
90°	32.5	33.6	34.8	35.9	36.5	36.8	37.4	37.9	38.5	39.1	38.5
92.5°	55.6	56.4	57.3	58.2	58.6	58.3	57.7	57.2	56.6	56.0	56.6
95°	97.6	98.7	99.9	101.0	101.6	101.6	101.6	101.6	101.6	101.6	101.6
97.5°	142.2	143.6	145.1	146.6	147.3	147.2	146.9	146.6	146.3	146.0	146.3
100°	192.5	193.3	194.2	195.1	195.5	195.8	196.4	196.9	197.5	198.1	197.5
102.5°	249.8	250.6	251.5	252.4	252.8	252.7	252.4	252.1	251.8	251.5	251.8
105°	307.5	307.5	307.5	307.5	307.5	307.8	308.4	308.9	309.5	310.1	309.5
107.5°	368.4	369.2	370.1	371.0	371.4	371.3	371.0	370.7	370.4	370.1	370.4
110°	429.9	431.0	432.2	433.3	433.9	433.6	433.0	432.5	431.9	431.3	431.9

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	491.4	492.9	494.3	495.8	496.5	496.5	496.5	496.5	496.5	496.5	496.5
115°	555.4	555.7	556.0	556.3	556.4	556.3	556.0	555.7	555.4	555.1	555.4
117.5°	619.0	619.0	619.0	619.0	619.0	618.6	617.7	616.8	616.0	615.1	616.0
120°	682.5	682.2	681.9	681.6	681.5	681.2	680.6	680.1	679.5	678.9	679.5
122.5°	747.1	746.3	745.4	744.5	744.1	743.7	742.8	741.9	741.1	740.2	741.1
125°	810.7	809.5	808.4	807.2	806.6	806.0	804.9	803.7	802.6	801.4	802.6
127.5°	874.0	872.2	870.5	868.8	867.9	867.3	866.2	865.0	863.9	862.7	863.9
130°	935.8	934.6	933.5	932.3	931.7	930.7	928.7	926.6	924.6	922.6	924.6
132.5°	996.8	995.3	993.9	992.4	991.7	991.0	989.5	988.1	986.6	985.2	986.6
135°	1056.9	1055.8	1054.6	1053.5	1052.9	1052.6	1052.0	1051.5	1050.9	1050.3	1050.9
137.5°	1116.7	1115.2	1113.8	1112.3	1111.6	1111.2	1110.3	1109.4	1108.6	1107.7	1108.6
140°	1173.8	1173.5	1173.2	1172.9	1172.8	1171.8	1169.8	1167.7	1165.7	1163.7	1165.7
142.5°	1228.6	1228.3	1228.0	1227.7	1227.6	1226.9	1225.4	1223.9	1222.5	1221.0	1222.5
145°	1282.0	1281.7	1281.4	1281.1	1281.0	1280.4	1279.3	1278.1	1277.0	1275.8	1277.0
147.5°	1333.1	1333.1	1333.1	1333.1	1333.1	1332.2	1330.5	1328.8	1327.0	1325.3	1327.0
150°	1380.0	1380.0	1380.0	1380.0	1380.0	1379.1	1377.4	1375.7	1373.9	1372.2	1373.9
152.5°	1422.3	1422.9	1423.4	1424.0	1424.3	1423.6	1422.1	1420.7	1419.2	1417.8	1419.2
155°	1463.3	1464.4	1465.6	1466.7	1467.3	1466.3	1464.3	1462.2	1460.2	1458.2	1460.2
157.5°	1499.8	1500.9	1502.1	1503.2	1503.8	1502.9	1501.2	1499.5	1497.7	1496.0	1497.7
160°	1532.6	1534.1	1535.5	1537.0	1537.7	1537.1	1536.0	1534.8	1533.7	1532.5	1533.7
162.5°	1563.9	1565.4	1566.8	1568.3	1569.0	1568.0	1566.0	1563.9	1561.9	1559.9	1561.9
165°	1588.9	1590.7	1592.4	1594.1	1595.0	1594.0	1592.0	1589.9	1587.9	1585.9	1587.9
167.5°	1611.1	1612.9	1614.6	1616.3	1617.2	1616.3	1614.6	1612.9	1611.1	1609.4	1611.1
170°	1628.3	1630.3	1632.4	1634.4	1635.4	1634.4	1632.4	1630.3	1628.3	1626.3	1628.3
172.5°	1642.4	1644.1	1645.9	1647.6	1648.5	1647.5	1645.4	1643.4	1641.3	1639.3	1641.3
175°	1651.5	1653.3	1655.0	1656.7	1657.6	1656.6	1654.6	1652.5	1650.5	1648.5	1650.5
177.5°	1656.7	1658.5	1660.2	1661.9	1662.8	1661.8	1659.8	1657.7	1655.7	1653.7	1655.7
180°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	574.5	571.8	569.9	568.6	567.2	571.3	565.8	559.9	555.8	553.1	552.2
5°	634.6	628.7	623.7	619.6	620.5	620.5	610.9	600.5	591.3	586.3	580.9
7.5°	704.3	697.9	687.9	685.6	683.8	672.4	662.9	643.7	632.3	621.0	610.9
10°	773.6	765.4	755.8	752.6	748.1	733.9	719.4	694.8	680.6	659.7	646.5
12.5°	838.3	828.2	818.7	816.4	809.6	797.3	772.2	746.7	722.5	700.2	677.0
15°	892.5	889.7	875.2	866.1	851.0	834.2	828.7	794.1	763.6	740.3	698.4
17.5°	938.0	925.3	911.6	905.7	899.8	880.2	860.6	825.1	792.3	758.1	731.2
20°	974.5	960.4	950.8	942.1	939.4	917.1	886.1	854.7	818.7	780.4	745.3
22.5°	976.3	974.5	968.1	963.1	957.6	943.0	918.4	879.3	841.0	799.1	753.1
25°	938.5	935.8	954.0	949.4	953.1	947.6	934.4	901.6	856.9	807.7	761.3
27.5°	824.6	852.4	881.1	891.1	897.9	917.5	923.9	905.7	869.7	817.3	765.4
30°	669.7	706.6	753.1	778.1	797.3	833.7	881.1	887.0	870.2	828.2	764.5
32.5°	525.7	559.5	596.8	626.4	651.9	726.6	790.4	836.4	844.6	822.8	766.7
35°	423.7	438.3	473.8	502.0	536.7	600.5	675.6	749.9	800.0	802.7	759.9
37.5°	349.4	357.2	388.2	404.1	424.6	480.6	550.8	647.8	725.7	762.6	740.8
40°	289.3	307.1	324.8	333.9	348.5	387.2	454.7	530.7	627.3	695.7	711.2
42.5°	251.0	258.8	270.2	282.9	292.0	325.7	370.8	440.5	527.6	622.8	665.6
45°	221.4	224.1	236.0	244.2	253.8	277.4	309.3	367.7	444.2	538.0	610.9
47.5°	196.8	202.3	208.7	213.7	220.0	238.3	265.6	308.0	375.4	459.2	537.6
50°	174.9	178.1	186.3	188.6	193.2	205.9	226.9	259.2	314.8	381.8	462.9
52.5°	154.4	160.4	163.6	166.7	170.8	181.3	195.0	221.4	263.3	326.2	395.0
55°	138.5	140.3	144.9	147.6	150.8	158.1	169.9	189.5	222.3	272.4	337.6
57.5°	123.0	123.0	127.6	129.8	133.0	138.5	149.0	164.0	187.7	225.1	284.7
60°	106.6	107.1	110.7	113.4	114.4	119.8	128.5	140.3	158.5	185.9	234.6
62.5°	92.0	94.3	96.1	97.0	100.2	103.4	110.7	118.9	131.7	155.8	190.4
65°	79.7	80.2	81.5	82.5	83.8	87.5	92.9	98.4	109.3	127.1	155.4
67.5°	65.6	67.4	69.2	69.2	70.6	72.4	77.9	82.5	90.7	101.1	120.3
70°	49.2	50.1	52.8	54.2	56.0	59.2	62.0	64.7	71.1	78.8	93.4
72.5°	41.0	41.0	41.9	42.4	42.4	44.6	48.7	51.5	54.7	60.1	70.2
75°	32.8	32.8	34.2	33.7	34.6	35.5	36.0	37.8	39.6	43.7	49.7
77.5°	26.0	26.4	26.4	26.9	26.9	27.3	27.8	28.7	29.6	31.9	34.6
80°	19.1	19.6	19.6	20.0	20.0	20.5	21.0	21.4	22.3	23.2	24.6
82.5°	13.2	13.7	13.7	14.1	13.7	14.1	14.6	14.6	15.0	15.9	16.4
85°	7.7	7.7	8.2	7.7	7.7	7.7	8.2	8.2	8.7	10.0	10.0
87.5°	2.3	2.7	2.3	2.7	2.7	2.7	2.7	3.2	3.2	3.6	4.1
90°	37.9	37.4	36.8	36.5	35.9	34.8	33.6	32.5	31.3	27.5	23.7
92.5°	57.2	57.7	58.3	58.6	58.2	57.3	56.4	55.6	54.7	53.0	51.2
95°	101.6	101.6	101.6	101.6	101.0	99.9	98.7	97.6	96.4	94.1	91.8
97.5°	146.6	146.9	147.2	147.3	146.6	145.1	143.6	142.2	140.7	139.0	137.2
100°	196.9	196.4	195.8	195.5	195.1	194.2	193.3	192.5	191.6	190.1	188.7
102.5°	252.1	252.4	252.7	252.8	252.4	251.5	250.6	249.8	248.9	246.9	244.9
105°	308.9	308.4	307.8	307.5	307.5	307.5	307.5	307.5	307.5	304.9	302.3
107.5°	370.7	371.0	371.3	371.4	371.0	370.1	369.2	368.4	367.5	366.3	365.2
110°	432.5	433.0	433.6	433.9	433.3	432.2	431.0	429.9	428.7	428.1	427.5

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	496.5	496.5	496.5	496.5	495.8	494.3	492.9	491.4	490.0	490.0	490.0
115°	555.7	556.0	556.3	556.4	556.3	556.0	555.7	555.4	555.1	555.7	556.3
117.5°	616.8	617.7	618.6	619.0	619.0	619.0	619.0	619.0	619.0	619.6	620.2
120°	680.1	680.6	681.2	681.5	681.6	681.9	682.2	682.5	682.8	684.3	685.7
122.5°	741.9	742.8	743.7	744.1	744.5	745.4	746.3	747.1	748.0	748.6	749.2
125°	803.7	804.9	806.0	806.6	807.2	808.4	809.5	810.7	811.9	812.5	813.1
127.5°	865.0	866.2	867.3	867.9	868.8	870.5	872.2	874.0	875.7	876.3	876.9
130°	926.6	928.7	930.7	931.7	932.3	933.5	934.6	935.8	937.0	937.9	938.7
132.5°	988.1	989.5	991.0	991.7	992.4	993.9	995.3	996.8	998.2	998.8	999.4
135°	1051.5	1052.0	1052.6	1052.9	1053.5	1054.6	1055.8	1056.9	1058.1	1058.4	1058.7
137.5°	1109.4	1110.3	1111.2	1111.6	1112.3	1113.8	1115.2	1116.7	1118.1	1117.2	1116.4
140°	1167.7	1169.8	1171.8	1172.8	1172.9	1173.2	1173.5	1173.8	1174.1	1173.8	1173.5
142.5°	1223.9	1225.4	1226.9	1227.6	1227.7	1228.0	1228.3	1228.6	1228.9	1228.3	1227.7
145°	1278.1	1279.3	1280.4	1281.0	1281.1	1281.4	1281.7	1282.0	1282.3	1281.4	1280.6
147.5°	1328.8	1330.5	1332.2	1333.1	1333.1	1333.1	1333.1	1333.1	1333.1	1332.2	1331.4
150°	1375.7	1377.4	1379.1	1380.0	1380.0	1380.0	1380.0	1380.0	1380.0	1379.4	1378.8
152.5°	1420.7	1422.1	1423.6	1424.3	1424.0	1423.4	1422.9	1422.3	1421.7	1421.4	1421.1
155°	1462.2	1464.3	1466.3	1467.3	1466.7	1465.6	1464.4	1463.3	1462.1	1461.8	1461.5
157.5°	1499.5	1501.2	1502.9	1503.8	1503.2	1502.1	1500.9	1499.8	1498.6	1498.3	1498.0
160°	1534.8	1536.0	1537.1	1537.7	1537.0	1535.5	1534.1	1532.6	1531.2	1531.2	1531.2
162.5°	1563.9	1566.0	1568.0	1569.0	1568.3	1566.8	1565.4	1563.9	1562.5	1562.2	1561.9
165°	1589.9	1592.0	1594.0	1595.0	1594.1	1592.4	1590.7	1588.9	1587.2	1587.2	1587.2
167.5°	1612.9	1614.6	1616.3	1617.2	1616.3	1614.6	1612.9	1611.1	1609.4	1609.1	1608.8
170°	1630.3	1632.4	1634.4	1635.4	1634.4	1632.4	1630.3	1628.3	1626.3	1626.3	1626.3
172.5°	1643.4	1645.4	1647.5	1648.5	1647.6	1645.9	1644.1	1642.4	1640.6	1640.6	1640.6
175°	1652.5	1654.6	1656.6	1657.6	1656.7	1655.0	1653.3	1651.5	1649.8	1649.8	1649.8
177.5°	1657.7	1659.8	1661.8	1662.8	1661.9	1660.2	1658.5	1656.7	1655.0	1655.0	1655.0
180°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	550.8	548.5	546.2	546.2	541.2	536.7	534.4	535.3	532.6	528.9	525.3
5°	574.9	565.8	564.0	559.0	552.2	542.6	537.6	533.0	527.6	520.3	513.4
7.5°	597.3	585.4	579.0	574.0	560.8	547.6	536.7	529.4	519.8	508.9	500.7
10°	626.4	604.6	597.7	586.3	567.7	549.0	536.2	524.4	511.2	498.4	487.5
12.5°	649.7	624.6	611.8	600.5	576.3	552.6	531.2	516.6	500.7	486.6	472.4
15°	676.1	647.8	625.5	611.8	581.3	552.6	528.5	508.0	490.2	472.9	460.6
17.5°	688.8	653.3	643.3	623.7	579.5	550.8	521.2	499.3	477.9	457.9	443.3
20°	708.9	667.4	642.4	629.2	590.0	547.6	513.0	487.9	465.6	444.2	428.7
22.5°	710.2	665.1	648.7	623.7	575.4	538.0	505.7	475.2	449.2	429.2	413.2
25°	707.1	661.0	638.3	618.2	578.1	532.6	491.1	461.0	435.5	412.3	393.6
27.5°	705.7	649.2	627.8	607.7	562.6	516.6	482.5	448.3	419.1	398.6	379.5
30°	703.9	636.4	610.5	587.2	545.8	504.3	463.3	433.7	405.9	380.0	360.8
32.5°	692.0	619.1	592.7	568.1	523.5	482.0	449.7	418.2	388.2	364.0	346.7
35°	688.4	603.2	568.6	542.1	498.4	461.5	427.3	401.4	373.1	349.0	328.5
37.5°	677.9	586.8	549.4	515.7	470.2	435.1	410.0	384.1	356.7	330.8	314.3
40°	659.7	567.7	525.3	490.7	443.7	408.2	385.0	365.8	339.0	315.7	295.7
42.5°	632.8	548.1	502.5	466.1	414.1	380.9	361.7	343.5	320.7	296.6	280.2
45°	601.8	522.1	479.7	439.2	386.3	354.0	333.9	323.0	302.0	281.5	262.4
47.5°	559.5	495.2	453.3	411.4	357.6	326.2	310.2	299.3	284.7	262.4	246.9
50°	506.1	460.6	421.0	383.6	329.4	299.3	283.4	275.2	262.9	246.9	231.9
52.5°	446.9	420.5	387.7	353.1	300.7	272.4	257.9	251.5	242.4	227.3	214.6
55°	387.2	375.9	353.5	319.4	270.6	247.4	234.6	226.4	219.6	208.7	197.7
57.5°	333.9	328.5	313.0	286.6	245.6	221.4	210.5	205.0	199.5	191.3	180.4
60°	278.8	284.7	268.8	255.6	218.2	197.3	187.7	181.8	179.0	171.8	164.9
62.5°	231.0	236.4	227.3	217.3	190.9	172.2	166.3	160.8	159.0	152.6	145.8
65°	187.7	194.5	187.7	182.2	166.3	150.8	143.5	140.8	139.0	134.9	129.4
67.5°	149.4	156.3	153.1	146.2	141.2	128.5	124.4	121.6	120.7	117.5	113.0
70°	112.5	122.1	123.0	118.9	114.4	108.4	105.7	104.8	102.5	99.8	97.0
72.5°	81.1	92.0	92.5	92.5	89.7	89.7	87.0	85.6	85.6	82.9	79.7
75°	59.7	67.0	67.9	68.8	70.2	71.5	69.7	69.7	69.2	66.5	65.1
77.5°	39.6	46.0	48.3	51.5	53.3	53.3	54.2	55.1	54.2	52.8	51.9
80°	25.5	30.1	32.8	34.6	37.4	38.7	40.1	40.5	39.6	39.2	37.8
82.5°	16.9	18.2	19.6	21.9	25.1	27.3	27.3	26.9	27.8	27.3	26.9
85°	9.6	10.5	10.9	11.4	13.2	15.5	15.9	16.4	17.3	16.4	15.5
87.5°	3.6	4.1	4.1	4.1	5.0	5.5	6.8	8.7	8.2	7.3	7.3
90°	20.0	16.2	14.3	12.9	10.0	7.1	4.2	1.3	4.2	7.1	10.0
92.5°	49.5	47.8	46.9	46.0	44.3	42.6	40.8	39.1	40.8	42.6	44.3
95°	89.5	87.2	86.0	85.0	83.0	80.9	78.9	76.9	78.9	80.9	83.0
97.5°	135.5	133.8	132.9	132.2	130.7	129.3	127.8	126.4	127.8	129.3	130.7
100°	187.2	185.7	185.0	184.1	182.4	180.7	178.9	177.2	178.9	180.7	182.4
102.5°	242.8	240.8	239.8	239.4	238.5	237.6	236.8	235.9	236.8	237.6	238.5
105°	299.7	297.1	295.8	295.5	294.9	294.4	293.8	293.2	293.8	294.4	294.9
107.5°	364.0	362.9	362.3	362.2	361.9	361.6	361.3	361.0	361.3	361.6	361.9
110°	427.0	426.4	426.1	425.8	425.2	424.7	424.1	423.5	424.1	424.7	425.2

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	490.0	490.0	490.0	489.9	489.6	489.3	489.0	488.7	489.0	489.3	489.6
115°	556.8	557.4	557.7	557.3	556.4	555.5	554.7	553.8	554.7	555.5	556.4
117.5°	620.7	621.3	621.6	621.5	621.2	620.9	620.6	620.3	620.6	620.9	621.2
120°	687.2	688.7	689.4	688.5	686.8	685.0	683.3	681.5	683.3	685.0	686.8
122.5°	749.7	750.3	750.6	750.0	748.9	747.7	746.6	745.4	746.6	747.7	748.9
125°	813.6	814.2	814.5	814.1	813.2	812.3	811.5	810.6	811.5	812.3	813.2
127.5°	877.4	878.0	878.3	877.4	875.7	874.0	872.2	870.5	872.2	874.0	875.7
130°	939.6	940.5	940.9	939.7	937.4	935.1	932.7	930.4	932.7	935.1	937.4
132.5°	999.9	1000.5	1000.8	999.6	997.3	995.0	992.7	990.4	992.7	995.0	997.3
135°	1059.0	1059.3	1059.5	1058.6	1056.9	1055.1	1053.4	1051.6	1053.4	1055.1	1056.9
137.5°	1115.5	1114.6	1114.2	1113.5	1112.0	1110.6	1109.1	1107.7	1109.1	1110.6	1112.0
140°	1173.2	1172.9	1172.8	1172.1	1170.6	1169.2	1167.7	1166.3	1167.7	1169.2	1170.6
142.5°	1227.2	1226.6	1226.3	1225.6	1224.1	1222.6	1221.2	1219.7	1221.2	1222.6	1224.1
145°	1279.7	1278.8	1278.4	1278.1	1277.5	1277.0	1276.4	1275.8	1276.4	1277.0	1277.5
147.5°	1330.5	1329.6	1329.2	1328.6	1327.5	1326.3	1325.2	1324.0	1325.2	1326.3	1327.5
150°	1378.3	1377.7	1377.4	1377.1	1376.5	1376.0	1375.4	1374.8	1375.4	1376.0	1376.5
152.5°	1420.8	1420.5	1420.4	1420.0	1419.1	1418.2	1417.4	1416.5	1417.4	1418.2	1419.1
155°	1461.2	1460.9	1460.8	1460.8	1460.8	1460.8	1460.8	1460.8	1460.8	1460.8	1460.8
157.5°	1497.7	1497.4	1497.3	1497.4	1497.7	1498.0	1498.3	1498.6	1498.3	1498.0	1497.7
160°	1531.2	1531.2	1531.2	1531.5	1532.1	1532.6	1533.2	1533.8	1533.2	1532.6	1532.1
162.5°	1561.6	1561.3	1561.2	1561.6	1562.5	1563.4	1564.2	1565.1	1564.2	1563.4	1562.5
165°	1587.2	1587.2	1587.2	1587.6	1588.5	1589.4	1590.2	1591.1	1590.2	1589.4	1588.5
167.5°	1608.5	1608.2	1608.1	1608.7	1609.8	1611.0	1612.1	1613.3	1612.1	1611.0	1609.8
170°	1626.3	1626.3	1626.3	1626.9	1628.0	1629.2	1630.3	1631.5	1630.3	1629.2	1628.0
172.5°	1640.6	1640.6	1640.6	1641.2	1642.4	1643.5	1644.7	1645.9	1644.7	1643.5	1642.4
175°	1649.8	1649.8	1649.8	1650.4	1651.5	1652.7	1653.8	1655.0	1653.8	1652.7	1651.5
177.5°	1655.0	1655.0	1655.0	1655.6	1656.7	1657.9	1659.0	1660.2	1659.0	1657.9	1656.7
180°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	525.3	523.0	522.1	519.8	514.3	510.7	506.6	503.9	504.3	502.0	503.4
5°	508.9	508.4	505.2	500.7	492.9	488.8	481.5	477.9	476.1	476.5	473.8
7.5°	495.2	491.1	488.8	481.5	474.3	465.6	459.7	456.5	453.8	451.0	449.2
10°	479.7	476.1	472.4	464.7	454.7	446.5	438.3	435.1	431.0	429.2	427.8
12.5°	463.3	461.0	456.5	447.4	436.0	428.2	418.7	416.9	411.4	407.7	406.8
15°	448.3	446.9	438.7	428.2	416.9	409.1	400.9	395.4	386.3	388.2	385.0
17.5°	432.3	426.4	421.4	407.3	401.8	390.0	380.4	377.7	371.3	367.2	363.1
20°	414.6	410.9	404.6	395.4	382.2	368.6	361.3	356.7	353.1	346.7	344.9
22.5°	397.7	393.2	387.7	375.9	364.5	353.1	343.1	339.0	334.4	329.8	327.1
25°	384.5	377.7	371.8	357.2	345.8	336.2	329.8	323.0	316.6	313.9	313.0
27.5°	364.0	359.9	354.0	340.3	329.8	319.4	313.4	308.9	302.0	298.9	296.1
30°	350.8	342.6	335.8	324.8	314.3	303.0	297.5	292.0	287.9	283.8	280.6
32.5°	333.0	326.7	321.2	310.2	299.8	289.3	283.4	275.2	272.9	269.7	266.1
35°	315.7	311.6	305.7	293.8	282.5	275.2	268.8	261.0	258.3	256.0	252.8
37.5°	299.3	293.4	289.3	277.9	267.9	259.2	254.2	247.8	246.0	243.3	241.0
40°	285.2	279.3	275.2	263.8	253.3	244.2	241.0	234.6	231.9	228.7	227.3
42.5°	269.2	264.2	258.8	250.6	239.6	230.5	224.1	220.5	216.9	215.5	212.8
45°	252.4	247.8	243.7	234.6	223.2	216.9	211.4	206.4	203.6	201.4	199.5
47.5°	237.8	233.7	228.2	218.2	209.1	203.2	197.7	192.7	190.0	187.2	185.0
50°	221.0	218.7	212.8	203.2	194.5	187.7	182.7	178.1	176.3	173.1	169.5
52.5°	205.9	201.8	196.8	189.1	181.3	173.1	166.3	163.6	160.4	158.5	155.4
55°	188.2	185.4	180.0	173.1	164.9	158.1	153.1	149.4	145.3	143.5	139.4
57.5°	173.1	168.1	165.4	156.7	149.0	142.1	138.5	134.9	130.3	127.6	125.7
60°	156.7	152.2	148.1	140.8	135.3	128.0	122.6	119.4	116.2	112.5	110.7
62.5°	140.8	137.1	132.1	126.2	119.4	113.4	109.3	104.8	103.0	99.3	97.9
65°	123.5	120.7	116.6	109.8	104.3	99.3	95.2	91.6	89.7	88.4	87.5
67.5°	108.0	104.3	101.6	95.7	89.7	85.6	83.4	81.1	78.8	77.4	76.1
70°	92.0	89.3	86.6	81.1	77.0	73.3	71.5	69.7	68.3	67.0	65.6
72.5°	75.6	74.3	71.5	67.9	64.7	62.0	60.6	58.3	56.9	54.7	53.8
75°	62.4	60.1	58.8	55.6	52.8	50.6	48.7	46.0	44.2	43.3	42.8
77.5°	49.2	48.3	46.5	43.7	42.4	40.1	37.4	36.4	35.5	35.5	35.1
80°	36.9	35.5	34.2	31.9	30.5	28.7	28.7	28.7	28.2	28.7	28.2
82.5°	25.1	24.1	23.2	21.9	21.4	21.4	21.9	21.9	21.9	21.9	21.9
85°	14.6	14.6	14.6	15.0	14.6	14.6	15.0	15.5	15.0	15.0	14.6
87.5°	6.8	6.8	7.3	7.3	7.7	7.7	7.7	7.7	7.7	7.7	8.2
90°	12.9	14.3	16.2	20.0	23.7	27.5	31.3	32.5	33.6	34.8	35.9
92.5°	46.0	46.9	47.8	49.5	51.2	53.0	54.7	55.6	56.4	57.3	58.2
95°	85.0	86.0	87.2	89.5	91.8	94.1	96.4	97.6	98.7	99.9	101.0
97.5°	132.2	132.9	133.8	135.5	137.2	139.0	140.7	142.2	143.6	145.1	146.6
100°	184.1	185.0	185.7	187.2	188.7	190.1	191.6	192.5	193.3	194.2	195.1
102.5°	239.4	239.8	240.8	242.8	244.9	246.9	248.9	249.8	250.6	251.5	252.4
105°	295.5	295.8	297.1	299.7	302.3	304.9	307.5	307.5	307.5	307.5	307.5
107.5°	362.2	362.3	362.9	364.0	365.2	366.3	367.5	368.4	369.2	370.1	371.0
110°	425.8	426.1	426.4	427.0	427.5	428.1	428.7	429.9	431.0	432.2	433.3

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	489.9	490.0	490.0	490.0	490.0	490.0	490.0	491.4	492.9	494.3	495.8
115°	557.3	557.7	557.4	556.8	556.3	555.7	555.1	555.4	555.7	556.0	556.3
117.5°	621.5	621.6	621.3	620.7	620.2	619.6	619.0	619.0	619.0	619.0	619.0
120°	688.5	689.4	688.7	687.2	685.7	684.3	682.8	682.5	682.2	681.9	681.6
122.5°	750.0	750.6	750.3	749.7	749.2	748.6	748.0	747.1	746.3	745.4	744.5
125°	814.1	814.5	814.2	813.6	813.1	812.5	811.9	810.7	809.5	808.4	807.2
127.5°	877.4	878.3	878.0	877.4	876.9	876.3	875.7	874.0	872.2	870.5	868.8
130°	939.7	940.9	940.5	939.6	938.7	937.9	937.0	935.8	934.6	933.5	932.3
132.5°	999.6	1000.8	1000.5	999.9	999.4	998.8	998.2	996.8	995.3	993.9	992.4
135°	1058.6	1059.5	1059.3	1059.0	1058.7	1058.4	1058.1	1056.9	1055.8	1054.6	1053.5
137.5°	1113.5	1114.2	1114.6	1115.5	1116.4	1117.2	1118.1	1116.7	1115.2	1113.8	1112.3
140°	1172.1	1172.8	1172.9	1173.2	1173.5	1173.8	1174.1	1173.8	1173.5	1173.2	1172.9
142.5°	1225.6	1226.3	1226.6	1227.2	1227.7	1228.3	1228.9	1228.6	1228.3	1228.0	1227.7
145°	1278.1	1278.4	1278.8	1279.7	1280.6	1281.4	1282.3	1282.0	1281.7	1281.4	1281.1
147.5°	1328.6	1329.2	1329.6	1330.5	1331.4	1332.2	1333.1	1333.1	1333.1	1333.1	1333.1
150°	1377.1	1377.4	1377.7	1378.3	1378.8	1379.4	1380.0	1380.0	1380.0	1380.0	1380.0
152.5°	1420.0	1420.4	1420.5	1420.8	1421.1	1421.4	1421.7	1422.3	1422.9	1423.4	1424.0
155°	1460.8	1460.8	1460.9	1461.2	1461.5	1461.8	1462.1	1463.3	1464.4	1465.6	1466.7
157.5°	1497.4	1497.3	1497.4	1497.7	1498.0	1498.3	1498.6	1499.8	1500.9	1502.1	1503.2
160°	1531.5	1531.2	1531.2	1531.2	1531.2	1531.2	1531.2	1532.6	1534.1	1535.5	1537.0
162.5°	1561.6	1561.2	1561.3	1561.6	1561.9	1562.2	1562.5	1563.9	1565.4	1566.8	1568.3
165°	1587.6	1587.2	1587.2	1587.2	1587.2	1587.2	1587.2	1588.9	1590.7	1592.4	1594.1
167.5°	1608.7	1608.1	1608.2	1608.5	1608.8	1609.1	1609.4	1611.1	1612.9	1614.6	1616.3
170°	1626.9	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1628.3	1630.3	1632.4	1634.4
172.5°	1641.2	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1642.4	1644.1	1645.9	1647.6
175°	1650.4	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1651.5	1653.3	1655.0	1656.7
177.5°	1655.6	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1656.7	1658.5	1660.2	1661.9
180°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	503.0	503.4	502.0	499.3	498.9	499.8	502.5	501.6	499.3	503.4	499.8
5°	475.2	472.9	472.0	472.9	470.2	468.8	471.5	470.2	471.5	472.0	473.3
7.5°	448.3	448.7	446.0	446.5	442.8	443.7	443.7	443.7	445.1	446.0	447.8
10°	425.1	426.0	422.8	423.2	420.5	418.7	420.0	422.8	422.8	422.8	423.7
12.5°	406.4	402.3	400.0	399.5	396.4	395.4	398.2	399.1	401.4	401.4	402.7
15°	383.1	382.2	380.4	380.4	372.7	374.5	375.4	378.6	383.1	379.5	380.4
17.5°	362.2	359.9	357.6	356.7	355.8	353.1	356.7	356.3	359.0	359.5	360.8
20°	343.5	341.7	337.1	337.6	338.5	334.4	336.7	336.7	339.4	342.1	345.3
22.5°	325.3	323.5	321.2	322.1	319.4	318.4	318.4	320.7	323.9	326.2	325.7
25°	311.2	308.0	306.6	305.2	303.9	304.8	303.4	305.7	308.0	309.3	308.0
27.5°	295.2	293.8	291.1	289.7	287.5	288.4	289.3	291.1	292.5	292.5	293.8
30°	279.7	277.9	277.0	275.6	275.6	273.8	274.3	276.1	277.4	278.8	280.6
32.5°	264.7	263.3	262.0	262.0	261.0	260.6	260.1	262.9	262.9	265.6	265.6
35°	252.4	250.1	250.1	247.8	248.7	248.3	247.4	249.2	249.7	251.5	251.0
37.5°	238.7	238.7	237.8	235.5	233.7	234.2	236.4	236.4	237.8	237.4	238.7
40°	225.1	224.1	224.1	222.8	222.3	221.9	222.3	222.8	225.1	224.6	225.1
42.5°	211.4	211.8	209.6	209.6	209.6	208.2	208.7	209.1	210.0	210.9	212.3
45°	198.2	197.3	196.8	195.9	195.0	195.4	195.0	196.8	196.4	197.3	198.6
47.5°	184.1	182.7	182.2	180.4	180.4	181.3	180.9	182.2	182.7	184.1	183.1
50°	170.4	168.6	167.2	167.7	164.9	165.8	165.8	167.2	168.6	169.0	169.9
52.5°	154.4	154.0	153.5	151.3	150.8	150.3	150.8	151.3	153.1	154.4	154.9
55°	139.0	138.5	135.8	134.9	133.5	133.5	134.4	134.9	138.0	138.5	140.3
57.5°	124.8	123.5	120.3	119.8	119.8	119.8	118.5	120.3	121.2	123.5	123.5
60°	109.3	109.3	106.6	106.6	107.1	106.6	106.6	107.1	107.1	108.9	109.8
62.5°	97.0	96.6	96.6	95.7	95.2	95.7	95.2	95.2	95.7	97.0	98.4
65°	86.1	85.6	85.2	84.7	83.8	83.8	84.3	85.2	85.2	86.1	86.6
67.5°	75.6	75.6	74.7	74.7	74.3	73.8	74.3	73.8	75.6	75.6	76.1
70°	65.1	64.7	63.3	62.9	61.5	62.0	62.0	63.3	63.8	64.7	65.6
72.5°	52.4	52.4	51.5	50.6	51.0	50.1	50.1	50.6	50.6	51.9	52.4
75°	43.3	42.4	41.9	42.4	41.9	42.8	41.9	41.9	42.8	42.8	42.8
77.5°	35.5	35.5	35.1	35.1	35.5	35.1	35.5	35.5	35.5	35.1	35.5
80°	29.2	28.7	28.7	28.7	28.2	28.2	28.2	28.2	28.2	28.2	28.2
82.5°	21.9	21.9	21.4	21.9	21.9	21.4	21.9	21.4	21.4	21.9	21.9
85°	14.6	15.5	14.6	14.6	15.0	15.0	15.5	15.0	15.5	14.6	15.0
87.5°	7.7	8.2	8.2	7.7	7.7	8.2	8.2	8.2	8.7	7.7	8.2
90°	36.5	36.8	37.4	37.9	38.5	39.1	38.5	37.9	37.4	36.8	36.5
92.5°	58.6	58.3	57.7	57.2	56.6	56.0	56.6	57.2	57.7	58.3	58.6
95°	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6
97.5°	147.3	147.2	146.9	146.6	146.3	146.0	146.3	146.6	146.9	147.2	147.3
100°	195.5	195.8	196.4	196.9	197.5	198.1	197.5	196.9	196.4	195.8	195.5
102.5°	252.8	252.7	252.4	252.1	251.8	251.5	251.8	252.1	252.4	252.7	252.8
105°	307.5	307.8	308.4	308.9	309.5	310.1	309.5	308.9	308.4	307.8	307.5
107.5°	371.4	371.3	371.0	370.7	370.4	370.1	370.4	370.7	371.0	371.3	371.4
110°	433.9	433.6	433.0	432.5	431.9	431.3	431.9	432.5	433.0	433.6	433.9

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5	496.5
115°	556.4	556.3	556.0	555.7	555.4	555.1	555.4	555.7	556.0	556.3	556.4
117.5°	619.0	618.6	617.7	616.8	616.0	615.1	616.0	616.8	617.7	618.6	619.0
120°	681.5	681.2	680.6	680.1	679.5	678.9	679.5	680.1	680.6	681.2	681.5
122.5°	744.1	743.7	742.8	741.9	741.1	740.2	741.1	741.9	742.8	743.7	744.1
125°	806.6	806.0	804.9	803.7	802.6	801.4	802.6	803.7	804.9	806.0	806.6
127.5°	867.9	867.3	866.2	865.0	863.9	862.7	863.9	865.0	866.2	867.3	867.9
130°	931.7	930.7	928.7	926.6	924.6	922.6	924.6	926.6	928.7	930.7	931.7
132.5°	991.7	991.0	989.5	988.1	986.6	985.2	986.6	988.1	989.5	991.0	991.7
135°	1052.9	1052.6	1052.0	1051.5	1050.9	1050.3	1050.9	1051.5	1052.0	1052.6	1052.9
137.5°	1111.6	1111.2	1110.3	1109.4	1108.6	1107.7	1108.6	1109.4	1110.3	1111.2	1111.6
140°	1172.8	1171.8	1169.8	1167.7	1165.7	1163.7	1165.7	1167.7	1169.8	1171.8	1172.8
142.5°	1227.6	1226.9	1225.4	1223.9	1222.5	1221.0	1222.5	1223.9	1225.4	1226.9	1227.6
145°	1281.0	1280.4	1279.3	1278.1	1277.0	1275.8	1277.0	1278.1	1279.3	1280.4	1281.0
147.5°	1333.1	1332.2	1330.5	1328.8	1327.0	1325.3	1327.0	1328.8	1330.5	1332.2	1333.1
150°	1380.0	1379.1	1377.4	1375.7	1373.9	1372.2	1373.9	1375.7	1377.4	1379.1	1380.0
152.5°	1424.3	1423.6	1422.1	1420.7	1419.2	1417.8	1419.2	1420.7	1422.1	1423.6	1424.3
155°	1467.3	1466.3	1464.3	1462.2	1460.2	1458.2	1460.2	1462.2	1464.3	1466.3	1467.3
157.5°	1503.8	1502.9	1501.2	1499.5	1497.7	1496.0	1497.7	1499.5	1501.2	1502.9	1503.8
160°	1537.7	1537.1	1536.0	1534.8	1533.7	1532.5	1533.7	1534.8	1536.0	1537.1	1537.7
162.5°	1569.0	1568.0	1566.0	1563.9	1561.9	1559.9	1561.9	1563.9	1566.0	1568.0	1569.0
165°	1595.0	1594.0	1592.0	1589.9	1587.9	1585.9	1587.9	1589.9	1592.0	1594.0	1595.0
167.5°	1617.2	1616.3	1614.6	1612.9	1611.1	1609.4	1611.1	1612.9	1614.6	1616.3	1617.2
170°	1635.4	1634.4	1632.4	1630.3	1628.3	1626.3	1628.3	1630.3	1632.4	1634.4	1635.4
172.5°	1648.5	1647.5	1645.4	1643.4	1641.3	1639.3	1641.3	1643.4	1645.4	1647.5	1648.5
175°	1657.6	1656.6	1654.6	1652.5	1650.5	1648.5	1650.5	1652.5	1654.6	1656.6	1657.6
177.5°	1662.8	1661.8	1659.8	1657.7	1655.7	1653.7	1655.7	1657.7	1659.8	1661.8	1662.8
180°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1	532.1
2.5°	503.4	505.2	503.4	499.8	503.4	505.7	508.0	511.6	513.4	513.4	516.2
5°	474.7	478.4	477.0	476.1	479.7	482.0	485.6	490.2	495.2	498.4	502.0
7.5°	449.2	451.5	453.8	453.8	457.4	462.4	467.9	473.3	479.7	484.3	487.0
10°	426.9	428.7	430.1	431.9	437.4	442.8	450.1	456.9	462.4	467.4	472.0
12.5°	405.5	408.2	411.4	412.8	416.9	423.7	430.5	438.7	447.4	452.4	456.9
15°	385.0	386.3	390.0	394.1	397.7	405.0	413.7	422.3	429.6	437.4	441.5
17.5°	364.0	364.5	374.0	371.8	383.6	390.4	395.0	403.2	415.0	421.4	427.8
20°	343.5	348.1	352.2	354.4	360.8	368.6	381.8	388.2	397.7	403.6	409.1
22.5°	327.6	334.4	334.4	339.9	343.1	350.3	359.9	372.2	382.7	386.8	394.5
25°	313.4	316.6	322.1	323.9	329.8	336.2	342.6	355.8	367.2	372.7	378.1
27.5°	295.2	299.3	306.6	306.6	314.3	321.2	328.9	337.6	349.0	356.7	362.6
30°	281.1	285.2	288.4	293.4	296.6	303.0	316.6	323.0	333.0	339.9	347.2
32.5°	267.9	271.1	273.8	279.3	282.9	290.2	297.5	308.9	317.5	323.9	331.7
35°	253.3	256.5	260.1	264.2	269.7	276.5	283.4	292.9	301.6	307.5	313.9
37.5°	239.6	241.9	247.4	250.1	254.7	261.0	269.7	279.7	287.5	292.0	298.4
40°	226.4	228.2	232.3	237.4	240.5	245.6	254.7	263.3	272.9	278.4	283.4
42.5°	212.3	214.6	218.2	223.2	228.2	233.7	238.7	248.7	257.4	262.0	267.4
45°	200.0	201.4	204.1	209.1	214.1	218.2	226.0	235.1	243.3	246.9	252.8
47.5°	185.4	186.8	190.9	193.2	198.6	204.1	211.8	221.0	228.2	231.9	237.4
50°	170.4	171.8	174.5	179.5	183.1	189.1	195.9	203.6	212.8	217.8	221.0
52.5°	155.8	158.5	160.8	164.9	169.5	175.4	181.8	189.1	196.8	201.8	205.5
55°	141.2	143.5	146.2	148.5	154.0	159.5	166.7	173.6	180.4	185.0	189.1
57.5°	124.8	128.0	130.8	135.3	139.4	144.0	152.2	157.6	165.8	169.0	172.7
60°	110.7	113.9	116.2	119.8	123.5	129.4	134.9	141.7	148.5	152.6	157.2
62.5°	98.9	100.2	101.6	105.2	108.9	114.4	119.8	126.7	133.9	136.2	139.9
65°	87.0	88.4	90.7	93.8	96.6	99.8	105.7	111.2	118.0	121.6	123.0
67.5°	77.0	78.4	78.8	81.1	83.4	87.0	90.2	95.7	102.0	104.3	107.1
70°	65.6	67.9	68.3	70.2	71.1	73.3	77.0	81.1	86.1	90.2	92.5
72.5°	52.4	55.6	56.5	59.2	60.6	62.9	65.6	68.8	72.0	73.8	75.6
75°	42.8	43.7	44.2	46.5	48.7	51.9	53.3	55.1	57.9	60.1	62.0
77.5°	35.5	36.0	36.4	36.4	36.9	38.7	41.5	43.7	45.6	46.5	47.8
80°	28.7	28.2	28.2	28.7	28.7	28.7	29.6	32.8	33.7	36.0	35.5
82.5°	22.3	21.4	21.9	21.4	21.4	21.4	21.4	21.9	21.9	23.2	24.1
85°	14.6	15.0	14.6	14.6	14.1	14.6	14.1	14.1	13.7	13.7	13.2
87.5°	7.7	8.2	7.7	7.7	7.3	7.7	7.3	7.3	6.8	6.8	5.9
90°	35.9	34.8	33.6	32.5	31.3	27.5	23.7	20.0	16.2	14.3	12.9
92.5°	58.2	57.3	56.4	55.6	54.7	53.0	51.2	49.5	47.8	46.9	46.0
95°	101.0	99.9	98.7	97.6	96.4	94.1	91.8	89.5	87.2	86.0	85.0
97.5°	146.6	145.1	143.6	142.2	140.7	139.0	137.2	135.5	133.8	132.9	132.2
100°	195.1	194.2	193.3	192.5	191.6	190.1	188.7	187.2	185.7	185.0	184.1
102.5°	252.4	251.5	250.6	249.8	248.9	246.9	244.9	242.8	240.8	239.8	239.4
105°	307.5	307.5	307.5	307.5	307.5	304.9	302.3	299.7	297.1	295.8	295.5
107.5°	371.0	370.1	369.2	368.4	367.5	366.3	365.2	364.0	362.9	362.3	362.2
110°	433.3	432.2	431.0	429.9	428.7	428.1	427.5	427.0	426.4	426.1	425.8

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	495.8	494.3	492.9	491.4	490.0	490.0	490.0	490.0	490.0	490.0	489.9
115°	556.3	556.0	555.7	555.4	555.1	555.7	556.3	556.8	557.4	557.7	557.3
117.5°	619.0	619.0	619.0	619.0	619.0	619.6	620.2	620.7	621.3	621.6	621.5
120°	681.6	681.9	682.2	682.5	682.8	684.3	685.7	687.2	688.7	689.4	688.5
122.5°	744.5	745.4	746.3	747.1	748.0	748.6	749.2	749.7	750.3	750.6	750.0
125°	807.2	808.4	809.5	810.7	811.9	812.5	813.1	813.6	814.2	814.5	814.1
127.5°	868.8	870.5	872.2	874.0	875.7	876.3	876.9	877.4	878.0	878.3	877.4
130°	932.3	933.5	934.6	935.8	937.0	937.9	938.7	939.6	940.5	940.9	939.7
132.5°	992.4	993.9	995.3	996.8	998.2	998.8	999.4	999.9	1000.5	1000.8	999.6
135°	1053.5	1054.6	1055.8	1056.9	1058.1	1058.4	1058.7	1059.0	1059.3	1059.5	1058.6
137.5°	1112.3	1113.8	1115.2	1116.7	1118.1	1117.2	1116.4	1115.5	1114.6	1114.2	1113.5
140°	1172.9	1173.2	1173.5	1173.8	1174.1	1173.8	1173.5	1173.2	1172.9	1172.8	1172.1
142.5°	1227.7	1228.0	1228.3	1228.6	1228.9	1228.3	1227.7	1227.2	1226.6	1226.3	1225.6
145°	1281.1	1281.4	1281.7	1282.0	1282.3	1281.4	1280.6	1279.7	1278.8	1278.4	1278.1
147.5°	1333.1	1333.1	1333.1	1333.1	1333.1	1332.2	1331.4	1330.5	1329.6	1329.2	1328.6
150°	1380.0	1380.0	1380.0	1380.0	1380.0	1379.4	1378.8	1378.3	1377.7	1377.4	1377.1
152.5°	1424.0	1423.4	1422.9	1422.3	1421.7	1421.4	1421.1	1420.8	1420.5	1420.4	1420.0
155°	1466.7	1465.6	1464.4	1463.3	1462.1	1461.8	1461.5	1461.2	1460.9	1460.8	1460.8
157.5°	1503.2	1502.1	1500.9	1499.8	1498.6	1498.3	1498.0	1497.7	1497.4	1497.3	1497.4
160°	1537.0	1535.5	1534.1	1532.6	1531.2	1531.2	1531.2	1531.2	1531.2	1531.2	1531.5
162.5°	1568.3	1566.8	1565.4	1563.9	1562.5	1562.2	1561.9	1561.6	1561.3	1561.2	1561.6
165°	1594.1	1592.4	1590.7	1588.9	1587.2	1587.2	1587.2	1587.2	1587.2	1587.2	1587.6
167.5°	1616.3	1614.6	1612.9	1611.1	1609.4	1609.1	1608.8	1608.5	1608.2	1608.1	1608.7
170°	1634.4	1632.4	1630.3	1628.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.9
172.5°	1647.6	1645.9	1644.1	1642.4	1640.6	1640.6	1640.6	1640.6	1640.6	1640.6	1641.2
175°	1656.7	1655.0	1653.3	1651.5	1649.8	1649.8	1649.8	1649.8	1649.8	1649.8	1650.4
177.5°	1661.9	1660.2	1658.5	1656.7	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.6
180°	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9	1658.9

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	532.1	532.1	532.1	532.1
2.5°	518.4	521.6	528.0	533.5
5°	507.5	512.5	522.1	531.7
7.5°	494.3	502.0	514.3	527.6
10°	481.5	491.6	506.6	522.1
12.5°	468.8	479.3	495.2	515.3
15°	453.8	464.7	483.8	508.0
17.5°	440.5	455.1	472.4	496.6
20°	426.4	437.4	459.7	485.2
22.5°	408.7	426.9	447.8	474.7
25°	394.5	410.5	431.4	462.0
27.5°	377.2	395.9	421.4	448.3
30°	363.1	378.6	402.3	434.6
32.5°	346.7	364.9	389.5	421.4
35°	332.1	347.6	370.8	403.2
37.5°	314.8	331.7	357.6	386.3
40°	299.8	316.2	340.8	367.7
42.5°	281.5	298.9	323.5	346.2
45°	267.0	282.9	302.5	323.5
47.5°	249.2	266.1	285.2	299.8
50°	233.3	248.7	263.8	276.1
52.5°	215.9	230.1	243.7	252.8
55°	200.0	210.9	221.9	228.2
57.5°	181.3	191.8	200.9	204.6
60°	164.9	173.6	179.5	183.6
62.5°	147.6	154.0	158.5	160.8
65°	130.8	135.3	137.6	139.9
67.5°	113.4	117.5	118.9	121.6
70°	95.2	99.8	100.7	102.0
72.5°	81.5	81.5	83.4	85.2
75°	65.1	66.1	67.0	67.0
77.5°	51.0	51.0	51.9	52.4
80°	37.4	37.8	37.8	37.4
82.5°	25.5	26.4	25.5	25.1
85°	14.1	15.9	15.0	15.0
87.5°	5.9	5.9	6.8	5.9
90°	10.0	7.1	4.2	1.3
92.5°	44.3	42.6	40.8	39.1
95°	83.0	80.9	78.9	76.9
97.5°	130.7	129.3	127.8	126.4
100°	182.4	180.7	178.9	177.2
102.5°	238.5	237.6	236.8	235.9
105°	294.9	294.4	293.8	293.2
107.5°	361.9	361.6	361.3	361.0
110°	425.2	424.7	424.1	423.5

TEST NUMBER: P1032203

CATALOG NUMBER: S123RDIW-B340D1320UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	489.6	489.3	489.0	488.7
115°	556.4	555.5	554.7	553.8
117.5°	621.2	620.9	620.6	620.3
120°	686.8	685.0	683.3	681.5
122.5°	748.9	747.7	746.6	745.4
125°	813.2	812.3	811.5	810.6
127.5°	875.7	874.0	872.2	870.5
130°	937.4	935.1	932.7	930.4
132.5°	997.3	995.0	992.7	990.4
135°	1056.9	1055.1	1053.4	1051.6
137.5°	1112.0	1110.6	1109.1	1107.7
140°	1170.6	1169.2	1167.7	1166.3
142.5°	1224.1	1222.6	1221.2	1219.7
145°	1277.5	1277.0	1276.4	1275.8
147.5°	1327.5	1326.3	1325.2	1324.0
150°	1376.5	1376.0	1375.4	1374.8
152.5°	1419.1	1418.2	1417.4	1416.5
155°	1460.8	1460.8	1460.8	1460.8
157.5°	1497.7	1498.0	1498.3	1498.6
160°	1532.1	1532.6	1533.2	1533.8
162.5°	1562.5	1563.4	1564.2	1565.1
165°	1588.5	1589.4	1590.2	1591.1
167.5°	1609.8	1611.0	1612.1	1613.3
170°	1628.0	1629.2	1630.3	1631.5
172.5°	1642.4	1643.5	1644.7	1645.9
175°	1651.5	1652.7	1653.8	1655.0
177.5°	1656.7	1657.9	1659.0	1660.2
180°	1658.9	1658.9	1658.9	1658.9

(END OF REPORT)