

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: P1012450

Luminaire Tested: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012450
REPORT IS A COMBINATION OF REPORTS P993183 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

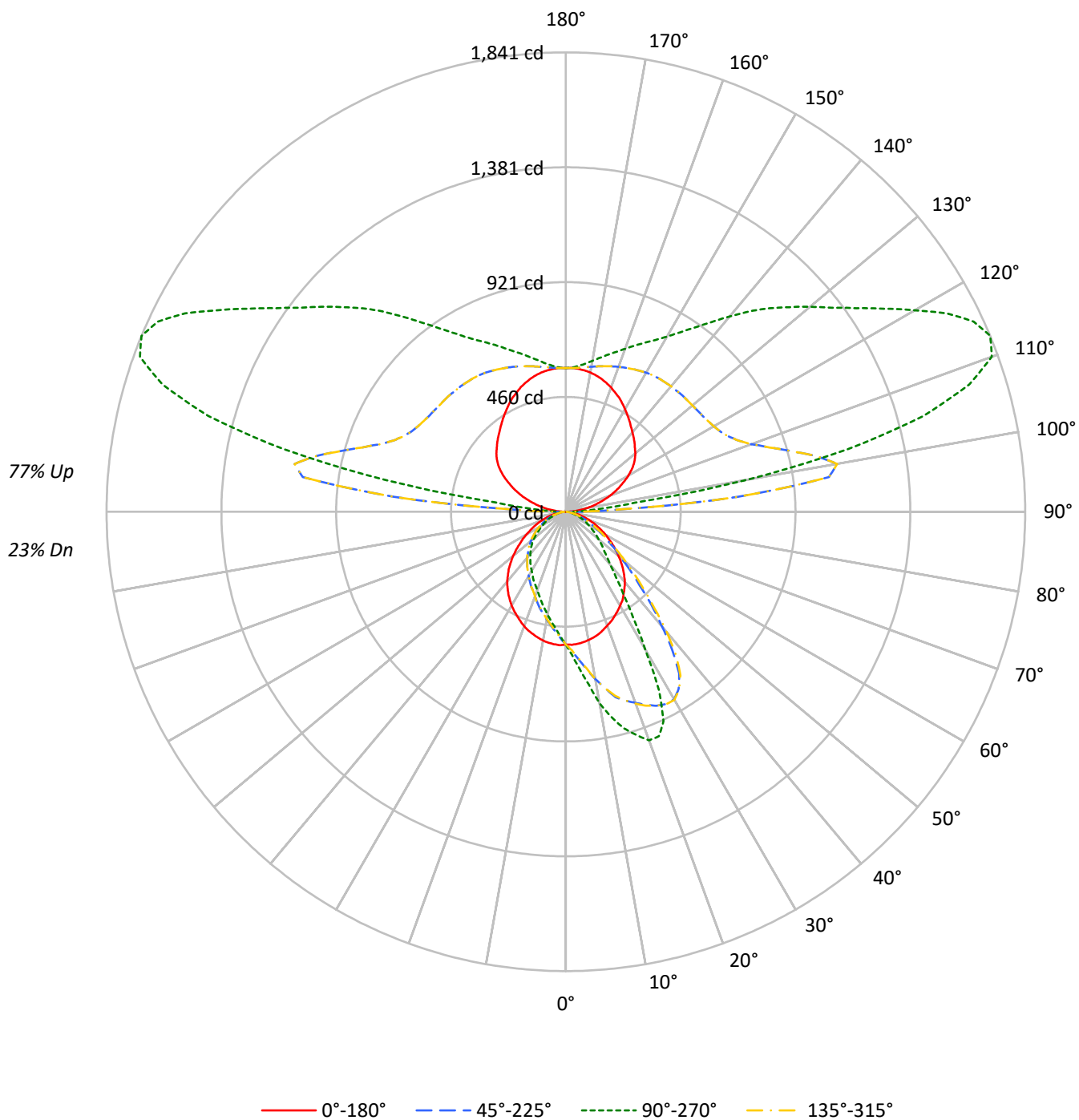
Lumens per Lamp: N/A
Luminaire Lumens: 5661.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 48
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

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

Luminous Intensity Polar Plot



TEST NUMBER: P1012450

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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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32
1	92	88	84	81	82	78	75	73	60	58	57	44	43	41	28	28	27
2	84	77	71	67	74	69	64	60	53	50	47	39	37	35	25	24	23
3	77	68	61	56	68	61	55	50	47	43	40	34	32	30	23	21	20
4	70	60	53	47	62	54	48	43	42	38	34	31	28	26	20	19	18
5	64	54	46	40	57	48	42	37	37	33	29	28	25	22	18	17	15
6	59	48	40	35	53	43	37	32	34	29	26	25	22	20	17	15	14
7	55	43	36	30	49	39	32	28	30	26	23	23	20	17	15	14	12
8	51	39	32	27	45	35	29	24	28	23	20	21	18	15	14	12	11
9	47	36	29	24	42	32	26	22	25	21	18	19	16	14	13	11	10
10	44	32	26	21	39	29	23	19	23	19	16	18	15	12	12	10	9

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

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	0.9
10°-20°	163.6	2.9
20°-30°	257.6	4.6
30°-40°	267.9	4.7
40°-50°	229.2	4.0
50°-60°	174.7	3.1
60°-70°	111.9	2.0
70°-80°	53.6	0.9
80°-90°	17.3	0.3
90°-100°	312.6	5.5
100°-110°	915.1	16.2
110°-120°	893.6	15.8
120°-130°	711.7	12.6
130°-140°	561.5	9.9
140°-150°	418.9	7.4
150°-160°	292.1	5.2
160°-170°	171.6	3.0
170°-180°	55.8	1.0
0°-30°	473.5	8.4
0°-40°	741.4	13.1
0°-60°	1145.3	20.2
0°-90°	1328.2	23.5
90°-120°	2121.3	37.5
90°-150°	3813.4	67.4
90°-180°	4333.0	76.5
0°-180°	5661.0	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°	2	34	2	34	2	4
95°	40	135	40	135	40	42
105°	135	1483	135	1483	135	144
115°	239	1804	239	1804	239	237
125°	332	1422	332	1422	332	295
135°	389	1153	389	1153	389	301
145°	444	901	444	901	444	278
155°	505	747	505	747	505	232
165°	552	652	552	652	552	155
175°	575	586	575	586	575	55
180°	576	576	576	576	576	

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

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°	2.3	4.7	7.0	10.5	12.8	14.0	15.2	18.7	22.2	25.7	29.2
92.5°	17.5	25.7	37.3	47.8	59.5	70.0	80.5	117.8	179.6	240.2	216.9
95°	39.6	43.1	56.0	75.8	106.1	128.8	151.6	250.7	424.4	615.7	691.4
97.5°	63.0	64.1	74.6	92.1	122.4	147.5	172.6	270.5	472.2	794.1	1063.4
100°	86.3	87.5	95.6	111.9	139.9	162.6	185.4	267.0	439.6	746.2	1104.2
102.5°	110.8	113.1	120.1	135.3	159.7	180.1	200.6	271.7	411.6	676.3	1028.4
105°	135.3	138.8	145.8	159.7	181.9	200.0	218.0	281.0	401.1	621.5	937.5
107.5°	160.9	164.4	171.4	185.4	206.4	223.3	240.2	296.2	398.8	581.8	857.0
110°	188.9	192.4	198.2	211.0	230.9	247.2	263.5	316.0	404.6	560.9	790.6

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	214.5	218.0	223.9	236.7	256.5	272.2	288.0	335.8	416.3	549.2	746.2
115°	239.0	243.7	250.7	262.4	282.2	298.0	313.7	358.0	429.1	548.0	717.1
117.5°	263.5	269.3	275.2	285.7	307.8	322.4	337.0	381.3	445.4	549.2	697.3
120°	289.2	292.7	298.5	310.2	332.3	346.9	361.5	403.4	464.1	553.9	684.4
122.5°	311.3	314.8	320.7	333.5	354.5	370.2	386.0	426.8	481.6	562.0	676.3
125°	332.3	334.6	341.6	354.5	376.6	392.4	408.1	448.9	500.2	570.2	669.3
127.5°	348.6	352.1	360.3	373.1	397.6	413.4	429.1	468.7	515.4	579.5	665.8
130°	363.8	367.3	377.8	391.8	416.3	432.0	447.7	486.2	530.5	588.8	662.3
132.5°	375.5	380.1	391.8	409.3	433.8	449.0	464.1	501.4	544.5	595.8	661.1
135°	389.4	394.1	406.9	424.4	448.9	464.6	480.4	516.5	556.2	602.8	660.0
137.5°	402.3	406.9	419.8	438.4	462.9	477.5	492.1	527.0	565.5	607.5	657.6
140°	415.1	420.9	432.6	451.2	474.6	489.2	503.7	537.5	572.5	612.2	656.5
142.5°	429.1	433.8	446.6	462.9	486.2	499.6	513.0	545.7	579.5	615.7	654.1
145°	444.3	447.7	458.2	475.7	495.6	509.0	522.4	552.7	584.2	616.8	651.8
147.5°	459.4	461.7	472.2	487.4	507.2	518.8	530.5	558.5	587.7	616.8	648.3
150°	474.6	475.7	485.1	500.2	516.5	527.0	537.5	564.4	588.8	616.8	643.6
152.5°	489.7	489.7	499.1	511.9	525.9	535.8	545.7	567.8	591.2	613.3	637.8
155°	504.9	504.9	511.9	523.5	536.4	544.6	552.7	572.5	591.2	611.0	630.8
157.5°	516.5	517.7	523.5	534.0	545.7	552.1	558.5	574.8	592.3	607.5	625.0
160°	530.5	530.5	535.2	544.5	552.7	558.6	564.4	578.3	592.3	605.2	618.0
162.5°	541.0	541.0	544.5	551.5	558.5	563.2	567.8	579.5	591.2	600.5	611.0
165°	551.5	550.4	552.7	558.5	563.2	567.2	571.3	580.7	588.8	595.8	604.0
167.5°	559.7	558.5	559.7	564.4	567.8	570.8	573.7	580.7	587.7	591.2	597.0
170°	566.7	564.4	565.5	569.0	571.3	572.5	573.7	579.5	584.2	586.5	590.0
172.5°	571.3	570.2	570.2	572.5	573.7	574.2	574.8	579.5	583.0	583.0	584.2
175°	574.8	573.7	572.5	574.8	574.8	575.4	576.0	578.3	580.7	579.5	579.5
177.5°	577.2	576.0	574.8	576.0	576.0	576.0	576.0	577.2	579.5	577.2	576.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

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°	28.0	29.2	30.3	31.5	32.6	33.8	32.6	33.8	35.0	33.8	35.0
92.5°	162.1	115.4	89.8	78.1	74.0	70.0	67.6	63.0	64.1	61.8	64.1
95°	560.9	419.8	284.5	222.7	201.7	180.7	158.6	148.1	139.9	135.3	139.9
97.5°	1099.6	964.3	727.6	573.7	507.2	440.8	362.6	318.3	290.3	277.5	290.3
100°	1333.9	1374.7	1280.3	1143.9	1061.1	978.3	860.5	775.4	729.9	731.1	729.9
102.5°	1345.6	1511.2	1531.0	1465.7	1420.8	1375.9	1290.8	1227.8	1191.7	1157.9	1191.7
105°	1272.1	1515.8	1632.4	1654.6	1639.4	1624.3	1570.6	1526.3	1489.0	1483.2	1489.0
107.5°	1167.2	1445.9	1628.9	1719.9	1735.6	1751.4	1744.4	1723.4	1708.2	1695.4	1708.2
110°	1069.2	1336.3	1550.8	1697.7	1738.5	1779.3	1812.0	1821.3	1819.0	1816.6	1819.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	984.1	1227.8	1448.2	1617.3	1672.6	1728.0	1794.5	1828.3	1840.0	1841.1	1840.0
115°	918.8	1134.5	1337.4	1508.8	1572.4	1635.9	1723.4	1774.7	1798.0	1803.8	1798.0
117.5°	875.7	1062.2	1241.8	1399.2	1465.1	1531.0	1621.9	1679.1	1714.0	1722.2	1714.0
120°	843.0	1007.4	1164.8	1304.8	1363.6	1422.5	1514.7	1579.9	1607.9	1614.9	1607.9
122.5°	816.2	964.3	1103.0	1230.1	1283.8	1337.4	1416.7	1473.8	1505.3	1514.7	1505.3
125°	794.1	927.0	1054.1	1166.0	1212.6	1259.3	1333.9	1385.2	1414.4	1422.5	1414.4
127.5°	773.1	893.2	1008.6	1111.2	1154.4	1197.5	1265.1	1309.4	1336.3	1343.2	1336.3
130°	756.7	861.7	966.6	1061.1	1100.8	1140.4	1202.2	1244.1	1268.6	1278.0	1268.6
132.5°	741.6	832.5	927.0	1013.3	1050.6	1087.9	1145.0	1187.0	1208.0	1213.8	1208.0
135°	728.8	806.9	889.7	965.5	998.7	1031.9	1089.1	1124.0	1145.0	1153.2	1145.0
137.5°	717.1	782.4	852.4	920.0	949.8	979.5	1028.4	1064.6	1082.1	1089.1	1082.1
140°	706.6	761.4	820.9	876.8	901.9	927.0	971.3	1003.9	1022.6	1021.4	1022.6
142.5°	697.3	741.6	790.6	837.2	858.2	879.2	915.3	943.3	959.6	958.5	959.6
145°	689.1	726.4	764.9	802.2	819.1	836.0	865.2	889.7	899.0	901.3	899.0
147.5°	681.0	713.6	745.1	776.6	788.8	801.1	824.4	841.9	851.2	852.4	851.2
150°	672.8	699.6	726.4	750.9	762.0	773.1	790.6	803.4	810.4	810.4	810.4
152.5°	663.5	686.8	708.9	729.9	738.6	747.4	760.2	771.9	775.4	775.4	775.4
155°	654.1	674.0	692.6	710.1	717.1	724.1	734.6	743.9	746.2	747.4	746.2
157.5°	643.6	660.0	676.3	690.3	696.1	701.9	711.3	718.3	720.6	720.6	720.6
160°	633.1	648.3	661.1	672.8	676.9	681.0	689.1	696.1	696.1	694.9	696.1
162.5°	622.7	634.3	644.8	655.3	658.8	662.3	667.0	672.8	672.8	671.6	672.8
165°	613.3	622.7	629.6	637.8	640.7	643.6	648.3	653.0	651.8	651.8	651.8
167.5°	604.0	612.2	618.0	622.7	625.0	627.3	629.6	633.1	632.0	632.0	632.0
170°	595.8	601.7	605.2	609.8	611.0	612.2	613.3	615.7	614.5	614.5	614.5
172.5°	587.7	592.3	594.7	598.2	598.8	599.3	599.3	601.7	599.3	598.2	599.3
175°	581.8	584.2	585.3	587.7	587.7	587.7	587.7	588.8	587.7	586.5	587.7
177.5°	577.2	578.3	579.5	580.7	580.7	580.7	579.5	580.7	578.3	578.3	578.3
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

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°	33.8	32.6	33.8	32.6	31.5	30.3	29.2	28.0	29.2	25.7	22.2
92.5°	63.0	67.6	70.0	74.0	78.1	89.8	115.4	162.1	216.9	240.2	179.6
95°	148.1	158.6	180.7	201.7	222.7	284.5	419.8	560.9	691.4	615.7	424.4
97.5°	318.3	362.6	440.8	507.2	573.7	727.6	964.3	1099.6	1063.4	794.1	472.2
100°	775.4	860.5	978.3	1061.1	1143.9	1280.3	1374.7	1333.9	1104.2	746.2	439.6
102.5°	1227.8	1290.8	1375.9	1420.8	1465.7	1531.0	1511.2	1345.6	1028.4	676.3	411.6
105°	1526.3	1570.6	1624.3	1639.4	1654.6	1632.4	1515.8	1272.1	937.5	621.5	401.1
107.5°	1723.4	1744.4	1751.4	1735.6	1719.9	1628.9	1445.9	1167.2	857.0	581.8	398.8
110°	1821.3	1812.0	1779.3	1738.5	1697.7	1550.8	1336.3	1069.2	790.6	560.9	404.6

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1828.3	1794.5	1728.0	1672.6	1617.3	1448.2	1227.8	984.1	746.2	549.2	416.3
115°	1774.7	1723.4	1635.9	1572.4	1508.8	1337.4	1134.5	918.8	717.1	548.0	429.1
117.5°	1679.1	1621.9	1531.0	1465.1	1399.2	1241.8	1062.2	875.7	697.3	549.2	445.4
120°	1579.9	1514.7	1422.5	1363.6	1304.8	1164.8	1007.4	843.0	684.4	553.9	464.1
122.5°	1473.8	1416.7	1337.4	1283.8	1230.1	1103.0	964.3	816.2	676.3	562.0	481.6
125°	1385.2	1333.9	1259.3	1212.6	1166.0	1054.1	927.0	794.1	669.3	570.2	500.2
127.5°	1309.4	1265.1	1197.5	1154.4	1111.2	1008.6	893.2	773.1	665.8	579.5	515.4
130°	1244.1	1202.2	1140.4	1100.8	1061.1	966.6	861.7	756.7	662.3	588.8	530.5
132.5°	1187.0	1145.0	1087.9	1050.6	1013.3	927.0	832.5	741.6	661.1	595.8	544.5
135°	1124.0	1089.1	1031.9	998.7	965.5	889.7	806.9	728.8	660.0	602.8	556.2
137.5°	1064.6	1028.4	979.5	949.8	920.0	852.4	782.4	717.1	657.6	607.5	565.5
140°	1003.9	971.3	927.0	901.9	876.8	820.9	761.4	706.6	656.5	612.2	572.5
142.5°	943.3	915.3	879.2	858.2	837.2	790.6	741.6	697.3	654.1	615.7	579.5
145°	889.7	865.2	836.0	819.1	802.2	764.9	726.4	689.1	651.8	616.8	584.2
147.5°	841.9	824.4	801.1	788.8	776.6	745.1	713.6	681.0	648.3	616.8	587.7
150°	803.4	790.6	773.1	762.0	750.9	726.4	699.6	672.8	643.6	616.8	588.8
152.5°	771.9	760.2	747.4	738.6	729.9	708.9	686.8	663.5	637.8	613.3	591.2
155°	743.9	734.6	724.1	717.1	710.1	692.6	674.0	654.1	630.8	611.0	591.2
157.5°	718.3	711.3	701.9	696.1	690.3	676.3	660.0	643.6	625.0	607.5	592.3
160°	696.1	689.1	681.0	676.9	672.8	661.1	648.3	633.1	618.0	605.2	592.3
162.5°	672.8	667.0	662.3	658.8	655.3	644.8	634.3	622.7	611.0	600.5	591.2
165°	653.0	648.3	643.6	640.7	637.8	629.6	622.7	613.3	604.0	595.8	588.8
167.5°	633.1	629.6	627.3	625.0	622.7	618.0	612.2	604.0	597.0	591.2	587.7
170°	615.7	613.3	612.2	611.0	609.8	605.2	601.7	595.8	590.0	586.5	584.2
172.5°	601.7	599.3	599.3	598.8	598.2	594.7	592.3	587.7	584.2	583.0	583.0
175°	588.8	587.7	587.7	587.7	587.7	585.3	584.2	581.8	579.5	579.5	580.7
177.5°	580.7	579.5	580.7	580.7	580.7	579.5	578.3	577.2	576.0	577.2	579.5
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

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°	18.7	15.2	14.0	12.8	10.5	7.0	4.7	2.3	4.7	7.0	10.5
92.5°	117.8	80.5	70.0	59.5	47.8	37.3	25.7	17.5	25.7	37.3	47.8
95°	250.7	151.6	128.8	106.1	75.8	56.0	43.1	39.6	43.1	56.0	75.8
97.5°	270.5	172.6	147.5	122.4	92.1	74.6	64.1	63.0	64.1	74.6	92.1
100°	267.0	185.4	162.6	139.9	111.9	95.6	87.5	86.3	87.5	95.6	111.9
102.5°	271.7	200.6	180.1	159.7	135.3	120.1	113.1	110.8	113.1	120.1	135.3
105°	281.0	218.0	200.0	181.9	159.7	145.8	138.8	135.3	138.8	145.8	159.7
107.5°	296.2	240.2	223.3	206.4	185.4	171.4	164.4	160.9	164.4	171.4	185.4
110°	316.0	263.5	247.2	230.9	211.0	198.2	192.4	188.9	192.4	198.2	211.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	335.8	288.0	272.2	256.5	236.7	223.9	218.0	214.5	218.0	223.9	236.7
115°	358.0	313.7	298.0	282.2	262.4	250.7	243.7	239.0	243.7	250.7	262.4
117.5°	381.3	337.0	322.4	307.8	285.7	275.2	269.3	263.5	269.3	275.2	285.7
120°	403.4	361.5	346.9	332.3	310.2	298.5	292.7	289.2	292.7	298.5	310.2
122.5°	426.8	386.0	370.2	354.5	333.5	320.7	314.8	311.3	314.8	320.7	333.5
125°	448.9	408.1	392.4	376.6	354.5	341.6	334.6	332.3	334.6	341.6	354.5
127.5°	468.7	429.1	413.4	397.6	373.1	360.3	352.1	348.6	352.1	360.3	373.1
130°	486.2	447.7	432.0	416.3	391.8	377.8	367.3	363.8	367.3	377.8	391.8
132.5°	501.4	464.1	449.0	433.8	409.3	391.8	380.1	375.5	380.1	391.8	409.3
135°	516.5	480.4	464.6	448.9	424.4	406.9	394.1	389.4	394.1	406.9	424.4
137.5°	527.0	492.1	477.5	462.9	438.4	419.8	406.9	402.3	406.9	419.8	438.4
140°	537.5	503.7	489.2	474.6	451.2	432.6	420.9	415.1	420.9	432.6	451.2
142.5°	545.7	513.0	499.6	486.2	462.9	446.6	433.8	429.1	433.8	446.6	462.9
145°	552.7	522.4	509.0	495.6	475.7	458.2	447.7	444.3	447.7	458.2	475.7
147.5°	558.5	530.5	518.8	507.2	487.4	472.2	461.7	459.4	461.7	472.2	487.4
150°	564.4	537.5	527.0	516.5	500.2	485.1	475.7	474.6	475.7	485.1	500.2
152.5°	567.8	545.7	535.8	525.9	511.9	499.1	489.7	489.7	489.7	499.1	511.9
155°	572.5	552.7	544.6	536.4	523.5	511.9	504.9	504.9	504.9	511.9	523.5
157.5°	574.8	558.5	552.1	545.7	534.0	523.5	517.7	516.5	517.7	523.5	534.0
160°	578.3	564.4	558.6	552.7	544.5	535.2	530.5	530.5	530.5	535.2	544.5
162.5°	579.5	567.8	563.2	558.5	551.5	544.5	541.0	541.0	541.0	544.5	551.5
165°	580.7	571.3	567.2	563.2	558.5	552.7	550.4	551.5	550.4	552.7	558.5
167.5°	580.7	573.7	570.8	567.8	564.4	559.7	558.5	559.7	558.5	559.7	564.4
170°	579.5	573.7	572.5	571.3	569.0	565.5	564.4	566.7	564.4	565.5	569.0
172.5°	579.5	574.8	574.2	573.7	572.5	570.2	570.2	571.3	570.2	570.2	572.5
175°	578.3	576.0	575.4	574.8	574.8	572.5	573.7	574.8	573.7	572.5	574.8
177.5°	577.2	576.0	576.0	576.0	576.0	574.8	576.0	577.2	576.0	574.8	576.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

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°	12.8	14.0	15.2	18.7	22.2	25.7	29.2	28.0	29.2	30.3	31.5
92.5°	59.5	70.0	80.5	117.8	179.6	240.2	216.9	162.1	115.4	89.8	78.1
95°	106.1	128.8	151.6	250.7	424.4	615.7	691.4	560.9	419.8	284.5	222.7
97.5°	122.4	147.5	172.6	270.5	472.2	794.1	1063.4	1099.6	964.3	727.6	573.7
100°	139.9	162.6	185.4	267.0	439.6	746.2	1104.2	1333.9	1374.7	1280.3	1143.9
102.5°	159.7	180.1	200.6	271.7	411.6	676.3	1028.4	1345.6	1511.2	1531.0	1465.7
105°	181.9	200.0	218.0	281.0	401.1	621.5	937.5	1272.1	1515.8	1632.4	1654.6
107.5°	206.4	223.3	240.2	296.2	398.8	581.8	857.0	1167.2	1445.9	1628.9	1719.9
110°	230.9	247.2	263.5	316.0	404.6	560.9	790.6	1069.2	1336.3	1550.8	1697.7

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	256.5	272.2	288.0	335.8	416.3	549.2	746.2	984.1	1227.8	1448.2	1617.3
115°	282.2	298.0	313.7	358.0	429.1	548.0	717.1	918.8	1134.5	1337.4	1508.8
117.5°	307.8	322.4	337.0	381.3	445.4	549.2	697.3	875.7	1062.2	1241.8	1399.2
120°	332.3	346.9	361.5	403.4	464.1	553.9	684.4	843.0	1007.4	1164.8	1304.8
122.5°	354.5	370.2	386.0	426.8	481.6	562.0	676.3	816.2	964.3	1103.0	1230.1
125°	376.6	392.4	408.1	448.9	500.2	570.2	669.3	794.1	927.0	1054.1	1166.0
127.5°	397.6	413.4	429.1	468.7	515.4	579.5	665.8	773.1	893.2	1008.6	1111.2
130°	416.3	432.0	447.7	486.2	530.5	588.8	662.3	756.7	861.7	966.6	1061.1
132.5°	433.8	449.0	464.1	501.4	544.5	595.8	661.1	741.6	832.5	927.0	1013.3
135°	448.9	464.6	480.4	516.5	556.2	602.8	660.0	728.8	806.9	889.7	965.5
137.5°	462.9	477.5	492.1	527.0	565.5	607.5	657.6	717.1	782.4	852.4	920.0
140°	474.6	489.2	503.7	537.5	572.5	612.2	656.5	706.6	761.4	820.9	876.8
142.5°	486.2	499.6	513.0	545.7	579.5	615.7	654.1	697.3	741.6	790.6	837.2
145°	495.6	509.0	522.4	552.7	584.2	616.8	651.8	689.1	726.4	764.9	802.2
147.5°	507.2	518.8	530.5	558.5	587.7	616.8	648.3	681.0	713.6	745.1	776.6
150°	516.5	527.0	537.5	564.4	588.8	616.8	643.6	672.8	699.6	726.4	750.9
152.5°	525.9	535.8	545.7	567.8	591.2	613.3	637.8	663.5	686.8	708.9	729.9
155°	536.4	544.6	552.7	572.5	591.2	611.0	630.8	654.1	674.0	692.6	710.1
157.5°	545.7	552.1	558.5	574.8	592.3	607.5	625.0	643.6	660.0	676.3	690.3
160°	552.7	558.6	564.4	578.3	592.3	605.2	618.0	633.1	648.3	661.1	672.8
162.5°	558.5	563.2	567.8	579.5	591.2	600.5	611.0	622.7	634.3	644.8	655.3
165°	563.2	567.2	571.3	580.7	588.8	595.8	604.0	613.3	622.7	629.6	637.8
167.5°	567.8	570.8	573.7	580.7	587.7	591.2	597.0	604.0	612.2	618.0	622.7
170°	571.3	572.5	573.7	579.5	584.2	586.5	590.0	595.8	601.7	605.2	609.8
172.5°	573.7	574.2	574.8	579.5	583.0	583.0	584.2	587.7	592.3	594.7	598.2
175°	574.8	575.4	576.0	578.3	580.7	579.5	579.5	581.8	584.2	585.3	587.7
177.5°	576.0	576.0	576.0	577.2	579.5	577.2	576.0	577.2	578.3	579.5	580.7
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

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°	32.6	33.8	32.6	33.8	35.0	33.8	35.0	33.8	32.6	33.8	32.6
92.5°	74.0	70.0	67.6	63.0	64.1	61.8	64.1	63.0	67.6	70.0	74.0
95°	201.7	180.7	158.6	148.1	139.9	135.3	139.9	148.1	158.6	180.7	201.7
97.5°	507.2	440.8	362.6	318.3	290.3	277.5	290.3	318.3	362.6	440.8	507.2
100°	1061.1	978.3	860.5	775.4	729.9	731.1	729.9	775.4	860.5	978.3	1061.1
102.5°	1420.8	1375.9	1290.8	1227.8	1191.7	1157.9	1191.7	1227.8	1290.8	1375.9	1420.8
105°	1639.4	1624.3	1570.6	1526.3	1489.0	1483.2	1489.0	1526.3	1570.6	1624.3	1639.4
107.5°	1735.6	1751.4	1744.4	1723.4	1708.2	1695.4	1708.2	1723.4	1744.4	1751.4	1735.6
110°	1738.5	1779.3	1812.0	1821.3	1819.0	1816.6	1819.0	1821.3	1812.0	1779.3	1738.5

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1672.6	1728.0	1794.5	1828.3	1840.0	1841.1	1840.0	1828.3	1794.5	1728.0	1672.6
115°	1572.4	1635.9	1723.4	1774.7	1798.0	1803.8	1798.0	1774.7	1723.4	1635.9	1572.4
117.5°	1465.1	1531.0	1621.9	1679.1	1714.0	1722.2	1714.0	1679.1	1621.9	1531.0	1465.1
120°	1363.6	1422.5	1514.7	1579.9	1607.9	1614.9	1607.9	1579.9	1514.7	1422.5	1363.6
122.5°	1283.8	1337.4	1416.7	1473.8	1505.3	1514.7	1505.3	1473.8	1416.7	1337.4	1283.8
125°	1212.6	1259.3	1333.9	1385.2	1414.4	1422.5	1414.4	1385.2	1333.9	1259.3	1212.6
127.5°	1154.4	1197.5	1265.1	1309.4	1336.3	1343.2	1336.3	1309.4	1265.1	1197.5	1154.4
130°	1100.8	1140.4	1202.2	1244.1	1268.6	1278.0	1268.6	1244.1	1202.2	1140.4	1100.8
132.5°	1050.6	1087.9	1145.0	1187.0	1208.0	1213.8	1208.0	1187.0	1145.0	1087.9	1050.6
135°	998.7	1031.9	1089.1	1124.0	1145.0	1153.2	1145.0	1124.0	1089.1	1031.9	998.7
137.5°	949.8	979.5	1028.4	1064.6	1082.1	1089.1	1082.1	1064.6	1028.4	979.5	949.8
140°	901.9	927.0	971.3	1003.9	1022.6	1021.4	1022.6	1003.9	971.3	927.0	901.9
142.5°	858.2	879.2	915.3	943.3	959.6	958.5	959.6	943.3	915.3	879.2	858.2
145°	819.1	836.0	865.2	889.7	899.0	901.3	899.0	889.7	865.2	836.0	819.1
147.5°	788.8	801.1	824.4	841.9	851.2	852.4	851.2	841.9	824.4	801.1	788.8
150°	762.0	773.1	790.6	803.4	810.4	810.4	810.4	803.4	790.6	773.1	762.0
152.5°	738.6	747.4	760.2	771.9	775.4	775.4	775.4	771.9	760.2	747.4	738.6
155°	717.1	724.1	734.6	743.9	746.2	747.4	746.2	743.9	734.6	724.1	717.1
157.5°	696.1	701.9	711.3	718.3	720.6	720.6	720.6	718.3	711.3	701.9	696.1
160°	676.9	681.0	689.1	696.1	696.1	694.9	696.1	696.1	689.1	681.0	676.9
162.5°	658.8	662.3	667.0	672.8	672.8	671.6	672.8	672.8	667.0	662.3	658.8
165°	640.7	643.6	648.3	653.0	651.8	651.8	651.8	653.0	648.3	643.6	640.7
167.5°	625.0	627.3	629.6	633.1	632.0	632.0	632.0	633.1	629.6	627.3	625.0
170°	611.0	612.2	613.3	615.7	614.5	614.5	614.5	615.7	613.3	612.2	611.0
172.5°	598.8	599.3	599.3	601.7	599.3	598.2	599.3	601.7	599.3	599.3	598.8
175°	587.7	587.7	587.7	588.8	587.7	586.5	587.7	588.8	587.7	587.7	587.7
177.5°	580.7	580.7	579.5	580.7	578.3	578.3	578.3	580.7	579.5	580.7	580.7
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

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°	31.5	30.3	29.2	28.0	29.2	25.7	22.2	18.7	15.2	14.0	12.8
92.5°	78.1	89.8	115.4	162.1	216.9	240.2	179.6	117.8	80.5	70.0	59.5
95°	222.7	284.5	419.8	560.9	691.4	615.7	424.4	250.7	151.6	128.8	106.1
97.5°	573.7	727.6	964.3	1099.6	1063.4	794.1	472.2	270.5	172.6	147.5	122.4
100°	1143.9	1280.3	1374.7	1333.9	1104.2	746.2	439.6	267.0	185.4	162.6	139.9
102.5°	1465.7	1531.0	1511.2	1345.6	1028.4	676.3	411.6	271.7	200.6	180.1	159.7
105°	1654.6	1632.4	1515.8	1272.1	937.5	621.5	401.1	281.0	218.0	200.0	181.9
107.5°	1719.9	1628.9	1445.9	1167.2	857.0	581.8	398.8	296.2	240.2	223.3	206.4
110°	1697.7	1550.8	1336.3	1069.2	790.6	560.9	404.6	316.0	263.5	247.2	230.9

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1617.3	1448.2	1227.8	984.1	746.2	549.2	416.3	335.8	288.0	272.2	256.5
115°	1508.8	1337.4	1134.5	918.8	717.1	548.0	429.1	358.0	313.7	298.0	282.2
117.5°	1399.2	1241.8	1062.2	875.7	697.3	549.2	445.4	381.3	337.0	322.4	307.8
120°	1304.8	1164.8	1007.4	843.0	684.4	553.9	464.1	403.4	361.5	346.9	332.3
122.5°	1230.1	1103.0	964.3	816.2	676.3	562.0	481.6	426.8	386.0	370.2	354.5
125°	1166.0	1054.1	927.0	794.1	669.3	570.2	500.2	448.9	408.1	392.4	376.6
127.5°	1111.2	1008.6	893.2	773.1	665.8	579.5	515.4	468.7	429.1	413.4	397.6
130°	1061.1	966.6	861.7	756.7	662.3	588.8	530.5	486.2	447.7	432.0	416.3
132.5°	1013.3	927.0	832.5	741.6	661.1	595.8	544.5	501.4	464.1	449.0	433.8
135°	965.5	889.7	806.9	728.8	660.0	602.8	556.2	516.5	480.4	464.6	448.9
137.5°	920.0	852.4	782.4	717.1	657.6	607.5	565.5	527.0	492.1	477.5	462.9
140°	876.8	820.9	761.4	706.6	656.5	612.2	572.5	537.5	503.7	489.2	474.6
142.5°	837.2	790.6	741.6	697.3	654.1	615.7	579.5	545.7	513.0	499.6	486.2
145°	802.2	764.9	726.4	689.1	651.8	616.8	584.2	552.7	522.4	509.0	495.6
147.5°	776.6	745.1	713.6	681.0	648.3	616.8	587.7	558.5	530.5	518.8	507.2
150°	750.9	726.4	699.6	672.8	643.6	616.8	588.8	564.4	537.5	527.0	516.5
152.5°	729.9	708.9	686.8	663.5	637.8	613.3	591.2	567.8	545.7	535.8	525.9
155°	710.1	692.6	674.0	654.1	630.8	611.0	591.2	572.5	552.7	544.6	536.4
157.5°	690.3	676.3	660.0	643.6	625.0	607.5	592.3	574.8	558.5	552.1	545.7
160°	672.8	661.1	648.3	633.1	618.0	605.2	592.3	578.3	564.4	558.6	552.7
162.5°	655.3	644.8	634.3	622.7	611.0	600.5	591.2	579.5	567.8	563.2	558.5
165°	637.8	629.6	622.7	613.3	604.0	595.8	588.8	580.7	571.3	567.2	563.2
167.5°	622.7	618.0	612.2	604.0	597.0	591.2	587.7	580.7	573.7	570.8	567.8
170°	609.8	605.2	601.7	595.8	590.0	586.5	584.2	579.5	573.7	572.5	571.3
172.5°	598.2	594.7	592.3	587.7	584.2	583.0	583.0	579.5	574.8	574.2	573.7
175°	587.7	585.3	584.2	581.8	579.5	579.5	580.7	578.3	576.0	575.4	574.8
177.5°	580.7	579.5	578.3	577.2	576.0	577.2	579.5	577.2	576.0	576.0	576.0
180°	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0	576.0

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

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°	10.5	7.0	4.7	2.3
92.5°	47.8	37.3	25.7	17.5
95°	75.8	56.0	43.1	39.6
97.5°	92.1	74.6	64.1	63.0
100°	111.9	95.6	87.5	86.3
102.5°	135.3	120.1	113.1	110.8
105°	159.7	145.8	138.8	135.3
107.5°	185.4	171.4	164.4	160.9
110°	211.0	198.2	192.4	188.9

TEST NUMBER: P1012450

CATALOG NUMBER: S123RDIP-B340D1195UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	236.7	223.9	218.0	214.5
115°	262.4	250.7	243.7	239.0
117.5°	285.7	275.2	269.3	263.5
120°	310.2	298.5	292.7	289.2
122.5°	333.5	320.7	314.8	311.3
125°	354.5	341.6	334.6	332.3
127.5°	373.1	360.3	352.1	348.6
130°	391.8	377.8	367.3	363.8
132.5°	409.3	391.8	380.1	375.5
135°	424.4	406.9	394.1	389.4
137.5°	438.4	419.8	406.9	402.3
140°	451.2	432.6	420.9	415.1
142.5°	462.9	446.6	433.8	429.1
145°	475.7	458.2	447.7	444.3
147.5°	487.4	472.2	461.7	459.4
150°	500.2	485.1	475.7	474.6
152.5°	511.9	499.1	489.7	489.7
155°	523.5	511.9	504.9	504.9
157.5°	534.0	523.5	517.7	516.5
160°	544.5	535.2	530.5	530.5
162.5°	551.5	544.5	541.0	541.0
165°	558.5	552.7	550.4	551.5
167.5°	564.4	559.7	558.5	559.7
170°	569.0	565.5	564.4	566.7
172.5°	572.5	570.2	570.2	571.3
175°	574.8	572.5	573.7	574.8
177.5°	576.0	574.8	576.0	577.2
180°	576.0	576.0	576.0	576.0

(END OF REPORT)