

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: P1012462

Luminaire Tested: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012462
REPORT IS A COMBINATION OF REPORTS P993195 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

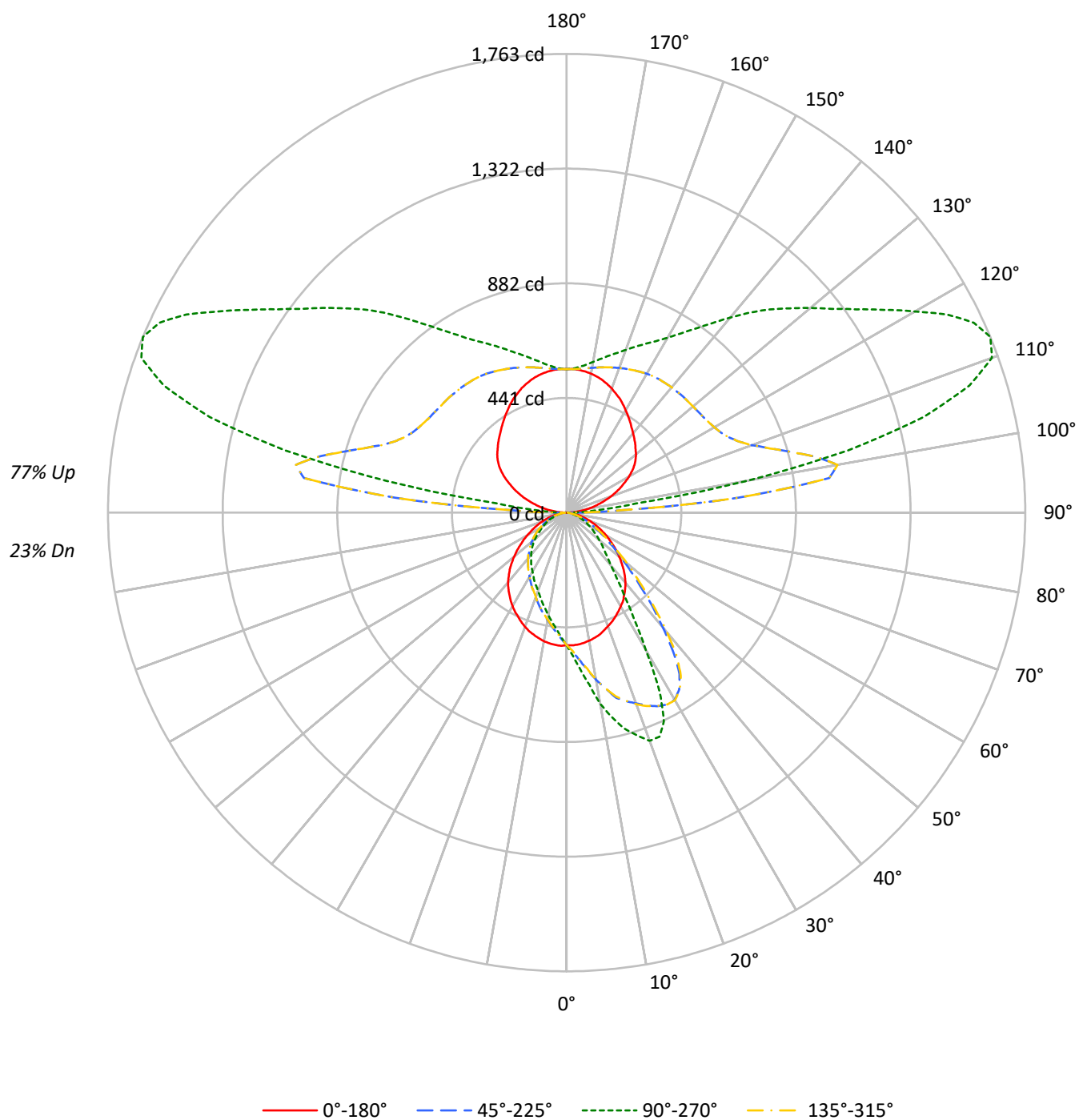
Lumens per Lamp: N/A
Luminaire Lumens: 5420.0 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5481	5481	5481	5481
5°	5486	6313	5500	4683
10°	5437	7621	5461	4091
15°	5381	8649	5381	3607
20°	5270	9329	5300	3200
25°	5190	8864	5180	2920
30°	5096	6141	5086	2645
35°	4982	3943	4960	2439
40°	4842	2784	4818	2233
45°	4596	2228	4591	2033
50°	4296	1864	4282	1800
55°	3957	1536	3926	1525
60°	3625	1269	3590	1297
65°	3234	1016	3256	1100
70°	2877	706	2954	889
75°	2438	524	2537	684
80°	1944	347	2106	512
85°	1383	164	1508	319

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7318 cd/sqm

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	0.9
10°-20°	156.5	2.9
20°-30°	246.6	4.5
30°-40°	256.4	4.7
40°-50°	219.3	4.0
50°-60°	167.2	3.1
60°-70°	107.1	2.0
70°-80°	51.3	0.9
80°-90°	16.5	0.3
90°-100°	299.3	5.5
100°-110°	876.3	16.2
110°-120°	855.7	15.8
120°-130°	681.5	12.6
130°-140°	537.7	9.9
140°-150°	401.1	7.4
150°-160°	279.7	5.2
160°-170°	164.3	3.0
170°-180°	53.4	1.0
0°-30°	453.1	8.4
0°-40°	709.5	13.1
0°-60°	1096.0	20.2
0°-90°	1271.1	23.5
90°-120°	2031.3	37.5
90°-150°	3651.5	67.4
90°-180°	4149.0	76.5
0°-180°	5420.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	509	509	509	509	509	
5°	509	605	510	449	509	48
15°	486	859	486	358	486	137
25°	442	886	441	292	442	204
35°	386	384	384	238	386	241
45°	310	205	309	187	310	238
55°	218	129	217	128	218	196
65°	134	74	135	80	134	134
75°	64	31	67	41	64	69
85°	14	7	16	14	14	16
90°	2	32	2	32	2	4
95°	38	130	38	130	38	40
105°	130	1420	130	1420	130	138
115°	229	1727	229	1727	229	227
125°	318	1362	318	1362	318	283
135°	373	1104	373	1104	373	288
145°	425	863	425	863	425	267
155°	484	716	484	716	484	222
165°	528	624	528	624	528	149
175°	550	562	550	562	550	52
180°	552	552	552	552	552	

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	510.5	514.0	516.6	518.4	522.7	525.4	527.5	531.5	531.5	532.3	534.1
5°	508.8	516.2	521.4	528.4	537.6	541.9	548.0	553.3	560.7	564.6	568.5
7.5°	504.9	515.3	526.2	536.7	550.2	558.9	565.0	578.5	588.1	599.9	609.1
10°	499.6	514.0	528.0	544.1	562.4	575.5	584.7	602.5	620.8	637.4	651.4
12.5°	493.1	510.5	530.6	550.2	575.9	589.0	603.8	626.1	652.2	673.2	691.9
15°	486.1	506.2	528.8	552.8	585.1	603.4	624.8	651.8	681.0	711.1	736.8
17.5°	475.2	500.5	525.8	560.7	598.6	609.5	627.8	664.9	701.1	728.1	759.5
20°	464.3	492.7	524.5	555.9	596.9	622.1	639.1	678.4	717.2	749.9	780.0
22.5°	454.3	483.9	517.1	556.7	595.1	620.4	641.8	682.7	727.7	764.3	801.3
25°	442.1	474.3	511.0	548.5	595.1	614.3	637.8	685.4	732.9	775.2	821.0
27.5°	429.0	461.7	497.9	536.3	579.0	607.3	630.4	681.4	739.4	784.8	831.9
30°	415.9	449.5	484.4	518.8	566.8	593.8	620.4	676.6	742.9	794.8	831.0
32.5°	403.3	431.6	466.1	499.6	547.2	576.8	606.9	671.8	744.2	787.8	805.3
35°	385.8	415.5	443.4	479.1	527.1	556.3	591.6	671.4	738.6	765.6	756.9
37.5°	369.7	394.6	421.2	453.0	502.2	540.2	576.8	660.1	719.8	721.5	672.3
40°	351.8	372.3	394.6	428.1	481.3	518.8	558.5	642.6	685.8	660.1	573.3
42.5°	331.3	349.7	367.1	399.8	457.8	499.6	542.4	620.8	636.5	577.2	487.0
45°	309.5	324.4	340.5	374.9	432.9	474.3	517.1	587.3	571.1	487.4	401.5
47.5°	286.9	299.5	315.2	346.6	406.3	448.6	489.2	539.3	498.3	408.5	336.6
50°	264.2	274.2	289.5	321.8	379.3	417.7	455.2	487.9	430.3	350.5	278.2
52.5°	242.0	249.8	265.5	293.0	348.8	385.4	412.4	425.1	366.7	289.5	241.5
55°	218.4	227.1	237.6	265.5	320.9	347.9	365.8	365.4	305.2	245.5	199.7
57.5°	195.8	203.6	212.8	240.7	285.6	303.9	319.1	311.7	254.6	201.0	171.3
60°	175.7	180.1	190.1	213.6	247.6	263.3	272.1	259.4	208.0	169.6	141.7
62.5°	153.9	158.3	166.5	188.8	209.7	218.0	225.4	209.3	171.8	138.2	121.2
65°	133.8	139.5	144.7	162.6	174.0	184.0	183.1	169.6	134.3	112.5	98.5
67.5°	116.4	118.6	122.9	133.8	139.1	146.5	146.9	131.7	108.1	91.6	83.3
70°	97.7	99.8	102.9	108.1	111.6	113.4	112.5	99.0	81.5	71.5	64.1
72.5°	81.5	81.1	83.3	83.3	86.8	86.3	83.7	73.2	61.9	53.6	49.3
75°	64.1	64.5	65.0	64.1	62.8	61.0	58.9	51.0	43.6	39.7	35.8
77.5°	50.1	49.3	49.7	46.6	44.9	43.2	40.1	36.2	30.1	29.2	27.5
80°	35.8	35.3	34.9	33.6	29.6	27.9	25.7	23.5	22.2	21.4	20.9
82.5°	24.0	24.0	23.1	20.5	18.3	17.0	16.6	15.7	14.4	14.4	14.0
85°	14.4	14.0	13.1	10.5	9.2	9.2	9.2	9.2	8.3	8.3	7.8
87.5°	5.7	5.2	3.9	3.9	3.5	3.5	3.5	3.1	3.1	2.6	2.6
90°	2.2	4.5	6.7	10.0	12.3	13.4	14.5	17.9	21.2	24.6	27.9
92.5°	16.7	24.6	35.7	45.8	56.9	67.0	77.0	112.8	171.9	230.0	207.7
95°	38.0	41.3	53.6	72.6	101.6	123.4	145.1	240.1	406.4	589.5	662.1
97.5°	60.3	61.4	71.5	88.2	117.2	141.2	165.2	259.0	452.2	760.4	1018.3
100°	82.6	83.7	91.6	107.2	134.0	155.8	177.5	255.7	420.9	714.6	1057.4
102.5°	106.1	108.3	115.0	129.5	153.0	172.5	192.0	260.2	394.1	647.6	984.8
105°	129.5	132.9	139.6	153.0	174.2	191.5	208.8	269.1	384.1	595.1	897.7
107.5°	154.1	157.4	164.1	177.5	197.6	213.8	230.0	283.6	381.9	557.2	820.7
110°	180.9	184.2	189.8	202.1	221.1	236.7	252.3	302.6	387.4	537.1	757.0

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	205.4	208.8	214.4	226.7	245.6	260.7	275.8	321.6	398.6	525.9	714.6
115°	228.9	233.4	240.1	251.2	270.2	285.2	300.3	342.8	410.9	524.8	686.7
117.5°	252.3	257.9	263.5	273.6	294.8	308.8	322.7	365.1	426.5	525.9	667.7
120°	276.9	280.2	285.8	297.0	318.2	332.2	346.1	386.3	444.4	530.4	655.4
122.5°	298.1	301.5	307.0	319.3	339.4	354.5	369.6	408.7	461.1	538.2	647.6
125°	318.2	320.4	327.1	339.4	360.6	375.7	390.8	429.9	479.0	546.0	640.9
127.5°	333.8	337.2	345.0	357.3	380.7	395.8	410.9	448.8	493.5	554.9	637.5
130°	348.4	351.7	361.8	375.2	398.6	413.6	428.7	465.6	508.0	563.8	634.2
132.5°	359.5	364.0	375.2	391.9	415.4	429.9	444.4	480.1	521.4	570.5	633.1
135°	372.9	377.4	389.7	406.4	429.9	445.0	460.0	494.6	532.6	577.2	632.0
137.5°	385.2	389.7	402.0	419.8	443.3	457.2	471.2	504.7	541.5	581.7	629.7
140°	397.5	403.1	414.2	432.1	454.4	468.4	482.3	514.7	548.2	586.2	628.6
142.5°	410.9	415.4	427.6	443.3	465.6	478.4	491.3	522.5	554.9	589.5	626.4
145°	425.4	428.7	438.8	455.5	474.5	487.4	500.2	529.2	559.4	590.6	624.1
147.5°	439.9	442.1	452.2	466.7	485.7	496.8	508.0	534.8	562.7	590.6	620.8
150°	454.4	455.5	464.5	479.0	494.6	504.6	514.7	540.4	563.8	590.6	616.3
152.5°	468.9	468.9	477.9	490.2	503.6	513.0	522.5	543.8	566.1	587.3	610.7
155°	483.5	483.5	490.2	501.3	513.6	521.4	529.2	548.2	566.1	585.1	604.0
157.5°	494.6	495.7	501.3	511.4	522.5	528.6	534.8	550.5	567.2	581.7	598.5
160°	508.0	508.0	512.5	521.4	529.2	534.8	540.4	553.8	567.2	579.5	591.8
162.5°	518.1	518.1	521.4	528.1	534.8	539.3	543.8	554.9	566.1	575.0	585.1
165°	528.1	527.0	529.2	534.8	539.3	543.2	547.1	556.0	563.8	570.5	578.4
167.5°	535.9	534.8	535.9	540.4	543.8	546.6	549.3	556.0	562.7	566.1	571.7
170°	542.6	540.4	541.5	544.9	547.1	548.2	549.3	554.9	559.4	561.6	565.0
172.5°	547.1	546.0	546.0	548.2	549.3	549.9	550.5	554.9	558.3	558.3	559.4
175°	550.5	549.3	548.2	550.5	550.5	551.0	551.6	553.8	556.0	554.9	554.9
177.5°	552.7	551.6	550.5	551.6	551.6	551.6	551.6	552.7	554.9	552.7	551.6
180°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	537.6	537.6	541.5	545.4	543.2	544.5	549.3	547.6	551.1	550.6	552.0
5°	578.1	582.9	586.8	595.1	596.4	595.1	603.4	605.6	609.5	604.7	606.9
7.5°	623.9	633.9	643.5	655.7	659.6	660.5	664.9	671.0	676.2	666.6	671.4
10°	668.4	683.6	703.2	714.1	723.7	727.2	730.7	734.6	740.7	746.4	742.0
12.5°	716.3	738.6	757.3	776.9	788.7	787.4	797.4	800.0	804.8	806.1	807.9
15°	755.6	786.9	798.7	827.9	830.5	839.3	850.6	860.6	861.9	859.3	859.3
17.5°	793.0	820.1	841.0	864.6	869.3	876.8	891.1	895.9	897.7	897.2	897.2
20°	823.6	841.4	876.8	896.4	904.2	913.8	923.8	929.9	931.3	933.0	930.4
22.5°	843.6	870.7	899.4	915.6	922.1	925.6	932.1	933.9	931.7	932.1	932.6
25°	859.3	885.9	903.4	907.7	907.3	902.9	898.1	889.8	889.0	885.5	878.5
27.5°	863.7	873.7	871.5	853.7	835.8	834.0	805.3	789.6	771.7	774.3	764.3
30°	840.1	827.1	796.1	750.8	732.0	701.5	669.2	635.7	622.6	608.2	634.8
32.5°	782.6	735.9	681.0	622.1	590.8	563.7	529.3	504.9	490.9	479.1	501.8
35°	695.8	623.0	550.2	494.4	468.7	444.3	412.0	399.8	382.4	384.1	386.3
37.5°	584.2	504.0	449.1	394.1	377.1	367.1	343.6	324.8	318.7	317.0	317.0
40°	479.6	413.7	364.9	321.8	308.7	300.4	281.6	272.9	266.4	264.6	266.8
42.5°	396.7	340.5	302.6	273.8	264.6	254.2	246.3	235.4	234.1	231.1	235.0
45°	333.1	284.3	255.9	235.0	227.1	223.2	214.5	208.0	205.3	204.9	208.0
47.5°	282.5	244.6	219.7	206.7	200.6	196.6	189.2	186.6	184.0	184.9	183.5
50°	237.2	208.8	192.7	180.9	177.0	173.1	168.3	165.7	164.4	164.4	163.9
52.5°	203.6	180.1	169.6	158.7	157.0	154.8	149.5	147.8	145.6	145.2	146.9
55°	174.4	158.3	147.8	141.3	139.5	135.2	133.0	130.8	129.5	128.6	129.1
57.5°	149.1	136.9	129.9	124.3	121.2	119.5	115.5	115.1	114.2	114.2	113.8
60°	128.2	119.5	111.2	107.7	105.5	103.3	102.9	100.3	99.0	99.8	99.4
62.5°	108.6	101.6	96.8	92.9	91.6	89.8	88.5	87.6	86.3	86.8	86.8
65°	90.7	85.0	81.5	78.0	77.6	75.9	75.4	74.6	74.6	74.1	75.0
67.5°	74.6	70.6	67.6	65.4	64.1	64.5	62.8	61.5	61.5	61.0	62.3
70°	59.3	57.1	54.1	51.4	49.7	49.7	47.5	47.1	47.1	47.1	46.6
72.5°	45.8	41.9	40.5	39.7	39.7	39.7	38.8	38.8	38.4	38.8	38.4
75°	34.0	33.6	32.7	32.3	32.3	31.8	31.4	31.4	31.4	31.4	31.4
77.5°	26.6	26.6	25.7	25.3	25.3	25.3	24.9	24.9	24.4	24.4	24.4
80°	19.6	19.6	18.7	18.7	18.7	18.3	18.3	18.3	18.7	18.3	18.3
82.5°	13.5	13.5	13.1	13.5	13.1	12.6	12.6	12.6	12.2	12.6	12.6
85°	7.8	7.8	7.4	7.0	7.4	7.4	7.0	7.4	7.0	7.4	7.0
87.5°	3.1	2.6	2.6	2.6	2.2	2.6	2.2	2.2	2.6	2.2	2.6
90°	26.8	27.9	29.0	30.1	31.2	32.4	31.3	32.4	33.5	32.4	33.5
92.5°	155.2	110.5	86.0	74.8	70.9	67.0	64.8	60.3	61.4	59.2	61.4
95°	537.1	402.0	272.4	213.3	193.2	173.1	151.8	141.8	134.0	129.5	134.0
97.5°	1052.9	923.4	696.7	549.3	485.6	422.0	347.2	304.8	278.0	265.7	278.0
100°	1277.3	1316.4	1226.0	1095.3	1016.0	936.8	824.0	742.5	698.9	700.1	698.9
102.5°	1288.5	1447.0	1466.0	1403.5	1360.5	1317.5	1236.0	1175.7	1141.1	1108.7	1141.1
105°	1218.1	1451.5	1563.1	1584.4	1569.8	1555.3	1504.0	1461.5	1425.8	1420.2	1425.8
107.5°	1117.6	1384.5	1559.8	1646.9	1662.0	1677.0	1670.3	1650.2	1635.7	1623.4	1635.7
110°	1023.9	1279.5	1485.0	1625.7	1664.8	1703.8	1735.1	1744.0	1741.8	1739.6	1741.8

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	942.4	1175.7	1386.7	1548.6	1601.6	1654.7	1718.3	1750.7	1761.9	1763.0	1761.9
115°	879.8	1086.4	1280.7	1444.8	1505.6	1566.5	1650.2	1699.4	1721.7	1727.3	1721.7
117.5°	838.5	1017.2	1189.1	1339.8	1402.9	1466.0	1553.1	1607.8	1641.3	1649.1	1641.3
120°	807.3	964.7	1115.4	1249.4	1305.8	1362.2	1450.4	1512.9	1539.7	1546.4	1539.7
122.5°	781.6	923.4	1056.2	1177.9	1229.3	1280.7	1356.6	1411.3	1441.4	1450.4	1441.4
125°	760.4	887.6	1009.3	1116.5	1161.2	1205.9	1277.3	1326.4	1354.4	1362.2	1354.4
127.5°	740.3	855.3	965.8	1064.1	1105.4	1146.7	1211.4	1253.9	1279.5	1286.2	1279.5
130°	724.6	825.1	925.6	1016.0	1054.0	1092.0	1151.1	1191.3	1214.8	1223.7	1214.8
132.5°	710.1	797.2	887.6	970.3	1006.0	1041.7	1096.4	1136.6	1156.7	1162.3	1156.7
135°	697.8	772.6	851.9	924.5	956.3	988.1	1042.8	1076.3	1096.4	1104.3	1096.4
137.5°	686.7	749.2	816.2	880.9	909.4	937.9	984.8	1019.4	1036.1	1042.8	1036.1
140°	676.6	729.1	786.0	839.6	863.6	887.6	930.1	961.3	979.2	978.1	979.2
142.5°	667.7	710.1	757.0	801.7	821.8	841.9	876.5	903.3	918.9	917.8	918.9
145°	659.9	695.6	732.4	768.2	784.4	800.6	828.5	851.9	860.8	863.1	860.8
147.5°	652.1	683.3	713.5	743.6	755.4	767.1	789.4	806.1	815.1	816.2	815.1
150°	644.2	669.9	695.6	719.0	729.6	740.3	757.0	769.3	776.0	776.0	776.0
152.5°	635.3	657.6	678.9	698.9	707.3	715.7	728.0	739.1	742.5	742.5	742.5
155°	626.4	645.4	663.2	680.0	686.7	693.4	703.4	712.3	714.6	715.7	714.6
157.5°	616.3	632.0	647.6	661.0	666.6	672.2	681.1	687.8	690.0	690.0	690.0
160°	606.3	620.8	633.1	644.2	648.2	652.1	659.9	666.6	666.6	665.5	666.6
162.5°	596.2	607.4	617.4	627.5	630.8	634.2	638.7	644.2	644.2	643.1	644.2
165°	587.3	596.2	602.9	610.7	613.5	616.3	620.8	625.3	624.1	624.1	624.1
167.5°	578.4	586.2	591.8	596.2	598.4	600.7	602.9	606.3	605.2	605.2	605.2
170°	570.5	576.1	579.5	583.9	585.0	586.2	587.3	589.5	588.4	588.4	588.4
172.5°	562.7	567.2	569.4	572.8	573.3	573.9	573.9	576.1	573.9	572.8	573.9
175°	557.2	559.4	560.5	562.7	562.7	562.7	562.7	563.8	562.7	561.6	562.7
177.5°	552.7	553.8	554.9	556.0	556.0	556.0	554.9	556.0	553.8	553.8	553.8
180°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	549.8	547.2	545.4	544.1	542.8	546.7	541.5	535.8	531.9	529.3	528.4
5°	607.3	601.7	596.9	592.9	593.8	593.8	584.7	574.6	565.9	561.1	555.9
7.5°	674.0	667.9	658.3	656.2	654.4	643.5	634.4	616.0	605.1	594.2	584.7
10°	740.3	732.4	723.3	720.2	715.9	702.4	688.4	664.9	651.4	631.3	618.7
12.5°	802.2	792.6	783.5	781.3	774.7	763.0	739.0	714.6	691.5	670.1	647.9
15°	854.1	851.5	837.5	828.8	814.4	798.3	793.0	759.9	730.7	708.5	668.4
17.5°	897.7	885.5	872.4	866.7	861.1	842.3	823.6	789.6	758.2	725.5	699.7
20°	932.6	919.0	909.9	901.6	899.0	877.6	848.0	817.9	783.5	746.8	713.3
22.5°	934.3	932.6	926.5	921.7	916.4	902.5	878.9	841.4	804.8	764.7	720.7
25°	898.1	895.5	912.9	908.6	912.1	906.8	894.2	862.8	820.1	773.0	728.5
27.5°	789.1	815.7	843.2	852.8	859.3	878.1	884.2	866.7	832.3	782.1	732.4
30°	640.9	676.2	720.7	744.7	763.0	797.8	843.2	848.9	832.7	792.6	731.6
32.5°	503.1	535.4	571.1	599.5	623.9	695.4	756.4	800.5	808.3	787.4	733.8
35°	405.5	419.4	453.4	480.5	513.6	574.6	646.6	717.6	765.6	768.2	727.2
37.5°	334.4	341.8	371.5	386.7	406.3	460.0	527.1	620.0	694.5	729.8	708.9
40°	276.8	293.9	310.9	319.6	333.5	370.6	435.1	507.9	600.3	665.7	680.6
42.5°	240.2	247.6	258.5	270.7	279.5	311.7	354.9	421.6	504.9	596.0	637.0
45°	211.9	214.5	225.8	233.7	242.8	265.5	296.0	351.8	425.1	514.9	584.7
47.5°	188.3	193.6	199.7	204.5	210.6	228.0	254.2	294.7	359.2	439.5	514.5
50°	167.4	170.5	178.3	180.5	184.9	197.1	217.1	248.1	301.3	365.4	443.0
52.5°	147.8	153.5	156.5	159.6	163.5	173.5	186.6	211.9	252.0	312.2	378.0
55°	132.5	134.3	138.6	141.3	144.3	151.3	162.6	181.4	212.8	260.7	323.1
57.5°	117.7	117.7	122.1	124.3	127.3	132.5	142.6	157.0	179.6	215.4	272.5
60°	102.0	102.5	105.9	108.6	109.4	114.7	122.9	134.3	151.7	177.9	224.5
62.5°	88.1	90.2	92.0	92.9	95.9	99.0	105.9	113.8	126.0	149.1	182.2
65°	76.3	76.7	78.0	78.9	80.2	83.7	88.9	94.2	104.6	121.6	148.7
67.5°	62.8	64.5	66.3	66.3	67.6	69.3	74.6	78.9	86.8	96.8	115.1
70°	47.1	48.0	50.6	51.9	53.6	56.7	59.3	61.9	68.0	75.4	89.4
72.5°	39.2	39.2	40.1	40.5	40.5	42.7	46.6	49.3	52.3	57.5	67.1
75°	31.4	31.4	32.7	32.3	33.1	34.0	34.4	36.2	37.9	41.9	47.5
77.5°	24.9	25.3	25.3	25.7	25.7	26.2	26.6	27.5	28.3	30.5	33.1
80°	18.3	18.7	18.7	19.2	19.2	19.6	20.1	20.5	21.4	22.2	23.5
82.5°	12.6	13.1	13.1	13.5	13.1	13.5	14.0	14.0	14.4	15.3	15.7
85°	7.4	7.4	7.8	7.4	7.4	7.4	7.8	7.8	8.3	9.6	9.6
87.5°	2.2	2.6	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.5	3.9
90°	32.4	31.3	32.4	31.2	30.1	29.0	27.9	26.8	27.9	24.6	21.2
92.5°	60.3	64.8	67.0	70.9	74.8	86.0	110.5	155.2	207.7	230.0	171.9
95°	141.8	151.8	173.1	193.2	213.3	272.4	402.0	537.1	662.1	589.5	406.4
97.5°	304.8	347.2	422.0	485.6	549.3	696.7	923.4	1052.9	1018.3	760.4	452.2
100°	742.5	824.0	936.8	1016.0	1095.3	1226.0	1316.4	1277.3	1057.4	714.6	420.9
102.5°	1175.7	1236.0	1317.5	1360.5	1403.5	1466.0	1447.0	1288.5	984.8	647.6	394.1
105°	1461.5	1504.0	1555.3	1569.8	1584.4	1563.1	1451.5	1218.1	897.7	595.1	384.1
107.5°	1650.2	1670.3	1677.0	1662.0	1646.9	1559.8	1384.5	1117.6	820.7	557.2	381.9
110°	1744.0	1735.1	1703.8	1664.8	1625.7	1485.0	1279.5	1023.9	757.0	537.1	387.4

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1750.7	1718.3	1654.7	1601.6	1548.6	1386.7	1175.7	942.4	714.6	525.9	398.6
115°	1699.4	1650.2	1566.5	1505.6	1444.8	1280.7	1086.4	879.8	686.7	524.8	410.9
117.5°	1607.8	1553.1	1466.0	1402.9	1339.8	1189.1	1017.2	838.5	667.7	525.9	426.5
120°	1512.9	1450.4	1362.2	1305.8	1249.4	1115.4	964.7	807.3	655.4	530.4	444.4
122.5°	1411.3	1356.6	1280.7	1229.3	1177.9	1056.2	923.4	781.6	647.6	538.2	461.1
125°	1326.4	1277.3	1205.9	1161.2	1116.5	1009.3	887.6	760.4	640.9	546.0	479.0
127.5°	1253.9	1211.4	1146.7	1105.4	1064.1	965.8	855.3	740.3	637.5	554.9	493.5
130°	1191.3	1151.1	1092.0	1054.0	1016.0	925.6	825.1	724.6	634.2	563.8	508.0
132.5°	1136.6	1096.4	1041.7	1006.0	970.3	887.6	797.2	710.1	633.1	570.5	521.4
135°	1076.3	1042.8	988.1	956.3	924.5	851.9	772.6	697.8	632.0	577.2	532.6
137.5°	1019.4	984.8	937.9	909.4	880.9	816.2	749.2	686.7	629.7	581.7	541.5
140°	961.3	930.1	887.6	863.6	839.6	786.0	729.1	676.6	628.6	586.2	548.2
142.5°	903.3	876.5	841.9	821.8	801.7	757.0	710.1	667.7	626.4	589.5	554.9
145°	851.9	828.5	800.6	784.4	768.2	732.4	695.6	659.9	624.1	590.6	559.4
147.5°	806.1	789.4	767.1	755.4	743.6	713.5	683.3	652.1	620.8	590.6	562.7
150°	769.3	757.0	740.3	729.6	719.0	695.6	669.9	644.2	616.3	590.6	563.8
152.5°	739.1	728.0	715.7	707.3	698.9	678.9	657.6	635.3	610.7	587.3	566.1
155°	712.3	703.4	693.4	686.7	680.0	663.2	645.4	626.4	604.0	585.1	566.1
157.5°	687.8	681.1	672.2	666.6	661.0	647.6	632.0	616.3	598.5	581.7	567.2
160°	666.6	659.9	652.1	648.2	644.2	633.1	620.8	606.3	591.8	579.5	567.2
162.5°	644.2	638.7	634.2	630.8	627.5	617.4	607.4	596.2	585.1	575.0	566.1
165°	625.3	620.8	616.3	613.5	610.7	602.9	596.2	587.3	578.4	570.5	563.8
167.5°	606.3	602.9	600.7	598.4	596.2	591.8	586.2	578.4	571.7	566.1	562.7
170°	589.5	587.3	586.2	585.0	583.9	579.5	576.1	570.5	565.0	561.6	559.4
172.5°	576.1	573.9	573.9	573.3	572.8	569.4	567.2	562.7	559.4	558.3	558.3
175°	563.8	562.7	562.7	562.7	562.7	560.5	559.4	557.2	554.9	554.9	556.0
177.5°	556.0	554.9	556.0	556.0	556.0	554.9	553.8	552.7	551.6	552.7	554.9
180°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	527.1	524.9	522.7	522.7	517.9	513.6	511.4	512.3	509.7	506.2	502.7
5°	550.2	541.5	539.7	534.9	528.4	519.3	514.5	510.1	504.9	497.9	491.4
7.5°	571.6	560.2	554.1	549.3	536.7	524.0	513.6	506.6	497.5	487.0	479.1
10°	599.5	578.5	572.0	561.1	543.2	525.4	513.1	501.8	489.2	477.0	466.5
12.5°	621.7	597.7	585.5	574.6	551.5	528.8	508.4	494.4	479.1	465.6	452.1
15°	647.0	620.0	598.6	585.5	556.3	528.8	505.7	486.1	469.1	452.5	440.8
17.5°	659.2	625.2	615.6	596.9	554.6	527.1	498.8	477.8	457.3	438.2	424.2
20°	678.4	638.7	614.7	602.1	564.6	524.0	490.9	466.9	445.6	425.1	410.3
22.5°	679.7	636.5	620.8	596.9	550.6	514.9	483.9	454.7	429.9	410.7	395.4
25°	676.6	632.6	610.8	591.6	553.3	509.7	470.0	441.2	416.8	394.6	376.7
27.5°	675.3	621.3	600.8	581.6	538.4	494.4	461.7	429.0	401.1	381.5	363.2
30°	673.6	609.1	584.2	562.0	522.3	482.6	443.4	415.1	388.5	363.6	345.3
32.5°	662.3	592.5	567.2	543.7	500.9	461.3	430.3	400.2	371.5	348.3	331.8
35°	658.8	577.2	544.1	518.8	477.0	441.6	409.0	384.1	357.1	334.0	314.3
37.5°	648.7	561.5	525.8	493.5	449.9	416.4	392.4	367.5	341.4	316.5	300.8
40°	631.3	543.2	502.7	469.6	424.6	390.6	368.4	350.1	324.4	302.1	283.0
42.5°	605.6	524.5	480.9	446.0	396.3	364.5	346.2	328.7	306.9	283.8	268.1
45°	575.9	499.6	459.1	420.3	369.7	338.8	319.6	309.1	289.1	269.4	251.1
47.5°	535.4	473.9	433.8	393.7	342.2	312.2	296.9	286.4	272.5	251.1	236.3
50°	484.4	440.8	402.8	367.1	315.2	286.4	271.2	263.3	251.6	236.3	221.9
52.5°	427.7	402.4	371.0	337.9	287.7	260.7	246.8	240.7	231.9	217.6	205.3
55°	370.6	359.7	338.3	305.6	259.0	236.7	224.5	216.7	210.1	199.7	189.2
57.5°	319.6	314.3	299.5	274.2	235.0	211.9	201.4	196.2	191.0	183.1	172.6
60°	266.8	272.5	257.2	244.6	208.8	188.8	179.6	174.0	171.3	164.4	157.8
62.5°	221.0	226.3	217.6	208.0	182.7	164.8	159.1	153.9	152.2	146.1	139.5
65°	179.6	186.2	179.6	174.4	159.1	144.3	137.3	134.7	133.0	129.1	123.8
67.5°	143.0	149.5	146.5	139.9	135.2	122.9	119.0	116.4	115.5	112.5	108.1
70°	107.7	116.8	117.7	113.8	109.4	103.8	101.1	100.3	98.1	95.5	92.9
72.5°	77.6	88.1	88.5	88.5	85.9	85.9	83.3	82.0	82.0	79.3	76.3
75°	57.1	64.1	65.0	65.8	67.1	68.4	66.7	66.7	66.3	63.7	62.3
77.5°	37.9	44.0	46.2	49.3	51.0	51.0	51.9	52.8	51.9	50.6	49.7
80°	24.4	28.8	31.4	33.1	35.8	37.1	38.4	38.8	37.9	37.5	36.2
82.5°	16.1	17.4	18.7	20.9	24.0	26.2	26.2	25.7	26.6	26.2	25.7
85°	9.2	10.0	10.5	10.9	12.6	14.8	15.3	15.7	16.6	15.7	14.8
87.5°	3.5	3.9	3.9	3.9	4.8	5.2	6.5	8.3	7.8	7.0	7.0
90°	17.9	14.5	13.4	12.3	10.0	6.7	4.5	2.2	4.5	6.7	10.0
92.5°	112.8	77.0	67.0	56.9	45.8	35.7	24.6	16.7	24.6	35.7	45.8
95°	240.1	145.1	123.4	101.6	72.6	53.6	41.3	38.0	41.3	53.6	72.6
97.5°	259.0	165.2	141.2	117.2	88.2	71.5	61.4	60.3	61.4	71.5	88.2
100°	255.7	177.5	155.8	134.0	107.2	91.6	83.7	82.6	83.7	91.6	107.2
102.5°	260.2	192.0	172.5	153.0	129.5	115.0	108.3	106.1	108.3	115.0	129.5
105°	269.1	208.8	191.5	174.2	153.0	139.6	132.9	129.5	132.9	139.6	153.0
107.5°	283.6	230.0	213.8	197.6	177.5	164.1	157.4	154.1	157.4	164.1	177.5
110°	302.6	252.3	236.7	221.1	202.1	189.8	184.2	180.9	184.2	189.8	202.1

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	321.6	275.8	260.7	245.6	226.7	214.4	208.8	205.4	208.8	214.4	226.7
115°	342.8	300.3	285.2	270.2	251.2	240.1	233.4	228.9	233.4	240.1	251.2
117.5°	365.1	322.7	308.8	294.8	273.6	263.5	257.9	252.3	257.9	263.5	273.6
120°	386.3	346.1	332.2	318.2	297.0	285.8	280.2	276.9	280.2	285.8	297.0
122.5°	408.7	369.6	354.5	339.4	319.3	307.0	301.5	298.1	301.5	307.0	319.3
125°	429.9	390.8	375.7	360.6	339.4	327.1	320.4	318.2	320.4	327.1	339.4
127.5°	448.8	410.9	395.8	380.7	357.3	345.0	337.2	333.8	337.2	345.0	357.3
130°	465.6	428.7	413.6	398.6	375.2	361.8	351.7	348.4	351.7	361.8	375.2
132.5°	480.1	444.4	429.9	415.4	391.9	375.2	364.0	359.5	364.0	375.2	391.9
135°	494.6	460.0	445.0	429.9	406.4	389.7	377.4	372.9	377.4	389.7	406.4
137.5°	504.7	471.2	457.2	443.3	419.8	402.0	389.7	385.2	389.7	402.0	419.8
140°	514.7	482.3	468.4	454.4	432.1	414.2	403.1	397.5	403.1	414.2	432.1
142.5°	522.5	491.3	478.4	465.6	443.3	427.6	415.4	410.9	415.4	427.6	443.3
145°	529.2	500.2	487.4	474.5	455.5	438.8	428.7	425.4	428.7	438.8	455.5
147.5°	534.8	508.0	496.8	485.7	466.7	452.2	442.1	439.9	442.1	452.2	466.7
150°	540.4	514.7	504.6	494.6	479.0	464.5	455.5	454.4	455.5	464.5	479.0
152.5°	543.8	522.5	513.0	503.6	490.2	477.9	468.9	468.9	468.9	477.9	490.2
155°	548.2	529.2	521.4	513.6	501.3	490.2	483.5	483.5	483.5	490.2	501.3
157.5°	550.5	534.8	528.6	522.5	511.4	501.3	495.7	494.6	495.7	501.3	511.4
160°	553.8	540.4	534.8	529.2	521.4	512.5	508.0	508.0	508.0	512.5	521.4
162.5°	554.9	543.8	539.3	534.8	528.1	521.4	518.1	518.1	518.1	521.4	528.1
165°	556.0	547.1	543.2	539.3	534.8	529.2	527.0	528.1	527.0	529.2	534.8
167.5°	556.0	549.3	546.6	543.8	540.4	535.9	534.8	535.9	534.8	535.9	540.4
170°	554.9	549.3	548.2	547.1	544.9	541.5	540.4	542.6	540.4	541.5	544.9
172.5°	554.9	550.5	549.9	549.3	548.2	546.0	546.0	547.1	546.0	546.0	548.2
175°	553.8	551.6	551.0	550.5	550.5	548.2	549.3	550.5	549.3	548.2	550.5
177.5°	552.7	551.6	551.6	551.6	551.6	550.5	551.6	552.7	551.6	550.5	551.6
180°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	502.7	500.5	499.6	497.5	492.2	488.7	484.8	482.2	482.6	480.5	481.8
5°	487.0	486.6	483.5	479.1	471.7	467.8	460.8	457.3	455.6	456.0	453.4
7.5°	473.9	470.0	467.8	460.8	453.9	445.6	439.9	436.9	434.2	431.6	429.9
10°	459.1	455.6	452.1	444.7	435.1	427.3	419.4	416.4	412.4	410.7	409.4
12.5°	443.4	441.2	436.9	428.1	417.2	409.8	400.7	398.9	393.7	390.2	389.3
15°	429.0	427.7	419.8	409.8	398.9	391.5	383.7	378.4	369.7	371.5	368.4
17.5°	413.7	408.1	403.3	389.8	384.5	373.2	364.0	361.4	355.3	351.4	347.5
20°	396.7	393.3	387.2	378.4	365.8	352.7	345.7	341.4	337.9	331.8	330.0
22.5°	380.6	376.3	371.0	359.7	348.8	337.9	328.3	324.4	320.0	315.7	313.0
25°	368.0	361.4	355.8	341.8	330.9	321.8	315.7	309.1	303.0	300.4	299.5
27.5°	348.3	344.4	338.8	325.7	315.7	305.6	300.0	295.6	289.1	286.0	283.4
30°	335.7	327.9	321.3	310.9	300.8	289.9	284.7	279.5	275.5	271.6	268.6
32.5°	318.7	312.6	307.4	296.9	286.9	276.8	271.2	263.3	261.2	258.1	254.6
35°	302.1	298.2	292.5	281.2	270.3	263.3	257.2	249.8	247.2	245.0	242.0
37.5°	286.4	280.8	276.8	265.9	256.4	248.1	243.3	237.2	235.4	232.8	230.6
40°	272.9	267.3	263.3	252.4	242.4	233.7	230.6	224.5	221.9	218.9	217.6
42.5°	257.7	252.9	247.6	239.8	229.3	220.6	214.5	211.0	207.5	206.2	203.6
45°	241.5	237.2	233.2	224.5	213.6	207.5	202.3	197.5	194.9	192.7	191.0
47.5°	227.6	223.7	218.4	208.8	200.1	194.4	189.2	184.4	181.8	179.2	177.0
50°	211.5	209.3	203.6	194.4	186.2	179.6	174.8	170.5	168.7	165.7	162.2
52.5°	197.1	193.1	188.3	180.9	173.5	165.7	159.1	156.5	153.5	151.7	148.7
55°	180.1	177.4	172.2	165.7	157.8	151.3	146.5	143.0	139.1	137.3	133.4
57.5°	165.7	160.9	158.3	150.0	142.6	136.0	132.5	129.1	124.7	122.1	120.3
60°	150.0	145.6	141.7	134.7	129.5	122.5	117.3	114.2	111.2	107.7	105.9
62.5°	134.7	131.2	126.4	120.8	114.2	108.6	104.6	100.3	98.5	95.0	93.7
65°	118.2	115.5	111.6	105.1	99.8	95.0	91.1	87.6	85.9	84.6	83.7
67.5°	103.3	99.8	97.2	91.6	85.9	82.0	79.8	77.6	75.4	74.1	72.8
70°	88.1	85.5	82.8	77.6	73.7	70.2	68.4	66.7	65.4	64.1	62.8
72.5°	72.4	71.1	68.4	65.0	61.9	59.3	58.0	55.8	54.5	52.3	51.4
75°	59.7	57.5	56.2	53.2	50.6	48.4	46.6	44.0	42.3	41.4	41.0
77.5°	47.1	46.2	44.5	41.9	40.5	38.4	35.8	34.9	34.0	34.0	33.6
80°	35.3	34.0	32.7	30.5	29.2	27.5	27.5	27.5	27.0	27.5	27.0
82.5°	24.0	23.1	22.2	20.9	20.5	20.5	20.9	20.9	20.9	20.9	20.9
85°	14.0	14.0	14.0	14.4	14.0	14.0	14.4	14.8	14.4	14.4	14.0
87.5°	6.5	6.5	7.0	7.0	7.4	7.4	7.4	7.4	7.4	7.4	7.8
90°	12.3	13.4	14.5	17.9	21.2	24.6	27.9	26.8	27.9	29.0	30.1
92.5°	56.9	67.0	77.0	112.8	171.9	230.0	207.7	155.2	110.5	86.0	74.8
95°	101.6	123.4	145.1	240.1	406.4	589.5	662.1	537.1	402.0	272.4	213.3
97.5°	117.2	141.2	165.2	259.0	452.2	760.4	1018.3	1052.9	923.4	696.7	549.3
100°	134.0	155.8	177.5	255.7	420.9	714.6	1057.4	1277.3	1316.4	1226.0	1095.3
102.5°	153.0	172.5	192.0	260.2	394.1	647.6	984.8	1288.5	1447.0	1466.0	1403.5
105°	174.2	191.5	208.8	269.1	384.1	595.1	897.7	1218.1	1451.5	1563.1	1584.4
107.5°	197.6	213.8	230.0	283.6	381.9	557.2	820.7	1117.6	1384.5	1559.8	1646.9
110°	221.1	236.7	252.3	302.6	387.4	537.1	757.0	1023.9	1279.5	1485.0	1625.7

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	245.6	260.7	275.8	321.6	398.6	525.9	714.6	942.4	1175.7	1386.7	1548.6
115°	270.2	285.2	300.3	342.8	410.9	524.8	686.7	879.8	1086.4	1280.7	1444.8
117.5°	294.8	308.8	322.7	365.1	426.5	525.9	667.7	838.5	1017.2	1189.1	1339.8
120°	318.2	332.2	346.1	386.3	444.4	530.4	655.4	807.3	964.7	1115.4	1249.4
122.5°	339.4	354.5	369.6	408.7	461.1	538.2	647.6	781.6	923.4	1056.2	1177.9
125°	360.6	375.7	390.8	429.9	479.0	546.0	640.9	760.4	887.6	1009.3	1116.5
127.5°	380.7	395.8	410.9	448.8	493.5	554.9	637.5	740.3	855.3	965.8	1064.1
130°	398.6	413.6	428.7	465.6	508.0	563.8	634.2	724.6	825.1	925.6	1016.0
132.5°	415.4	429.9	444.4	480.1	521.4	570.5	633.1	710.1	797.2	887.6	970.3
135°	429.9	445.0	460.0	494.6	532.6	577.2	632.0	697.8	772.6	851.9	924.5
137.5°	443.3	457.2	471.2	504.7	541.5	581.7	629.7	686.7	749.2	816.2	880.9
140°	454.4	468.4	482.3	514.7	548.2	586.2	628.6	676.6	729.1	786.0	839.6
142.5°	465.6	478.4	491.3	522.5	554.9	589.5	626.4	667.7	710.1	757.0	801.7
145°	474.5	487.4	500.2	529.2	559.4	590.6	624.1	659.9	695.6	732.4	768.2
147.5°	485.7	496.8	508.0	534.8	562.7	590.6	620.8	652.1	683.3	713.5	743.6
150°	494.6	504.6	514.7	540.4	563.8	590.6	616.3	644.2	669.9	695.6	719.0
152.5°	503.6	513.0	522.5	543.8	566.1	587.3	610.7	635.3	657.6	678.9	698.9
155°	513.6	521.4	529.2	548.2	566.1	585.1	604.0	626.4	645.4	663.2	680.0
157.5°	522.5	528.6	534.8	550.5	567.2	581.7	598.5	616.3	632.0	647.6	661.0
160°	529.2	534.8	540.4	553.8	567.2	579.5	591.8	606.3	620.8	633.1	644.2
162.5°	534.8	539.3	543.8	554.9	566.1	575.0	585.1	596.2	607.4	617.4	627.5
165°	539.3	543.2	547.1	556.0	563.8	570.5	578.4	587.3	596.2	602.9	610.7
167.5°	543.8	546.6	549.3	556.0	562.7	566.1	571.7	578.4	586.2	591.8	596.2
170°	547.1	548.2	549.3	554.9	559.4	561.6	565.0	570.5	576.1	579.5	583.9
172.5°	549.3	549.9	550.5	554.9	558.3	558.3	559.4	562.7	567.2	569.4	572.8
175°	550.5	551.0	551.6	553.8	556.0	554.9	554.9	557.2	559.4	560.5	562.7
177.5°	551.6	551.6	551.6	552.7	554.9	552.7	551.6	552.7	553.8	554.9	556.0
180°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	481.3	481.8	480.5	477.8	477.4	478.3	480.9	480.0	477.8	481.8	478.3
5°	454.7	452.5	451.7	452.5	449.9	448.6	451.2	449.9	451.2	451.7	453.0
7.5°	429.0	429.4	426.8	427.3	423.8	424.6	424.6	424.6	426.0	426.8	428.6
10°	406.8	407.6	404.6	405.0	402.4	400.7	402.0	404.6	404.6	404.6	405.5
12.5°	388.9	385.0	382.8	382.4	379.3	378.4	381.0	381.9	384.1	384.1	385.4
15°	366.7	365.8	364.0	364.0	356.6	358.4	359.2	362.3	366.7	363.2	364.0
17.5°	346.6	344.4	342.2	341.4	340.5	337.9	341.4	340.9	343.6	344.0	345.3
20°	328.7	327.0	322.6	323.1	323.9	320.0	322.2	322.2	324.8	327.4	330.5
22.5°	311.3	309.5	307.4	308.2	305.6	304.8	304.8	306.9	310.0	312.2	311.7
25°	297.8	294.7	293.4	292.1	290.8	291.7	290.4	292.5	294.7	296.0	294.7
27.5°	282.5	281.2	278.6	277.3	275.1	276.0	276.8	278.6	279.9	279.9	281.2
30°	267.7	265.9	265.1	263.8	263.8	262.0	262.5	264.2	265.5	266.8	268.6
32.5°	253.3	252.0	250.7	250.7	249.8	249.4	248.9	251.6	251.6	254.2	254.2
35°	241.5	239.4	239.4	237.2	238.0	237.6	236.7	238.5	238.9	240.7	240.2
37.5°	228.5	228.5	227.6	225.4	223.7	224.1	226.3	226.3	227.6	227.1	228.5
40°	215.4	214.5	214.5	213.2	212.8	212.3	212.8	213.2	215.4	214.9	215.4
42.5°	202.3	202.7	200.6	200.6	200.6	199.2	199.7	200.1	201.0	201.9	203.2
45°	189.7	188.8	188.3	187.5	186.6	187.0	186.6	188.3	187.9	188.8	190.1
47.5°	176.1	174.8	174.4	172.6	172.6	173.5	173.1	174.4	174.8	176.1	175.3
50°	163.1	161.3	160.0	160.4	157.8	158.7	158.7	160.0	161.3	161.7	162.6
52.5°	147.8	147.4	146.9	144.7	144.3	143.9	144.3	144.7	146.5	147.8	148.2
55°	133.0	132.5	129.9	129.1	127.7	127.7	128.6	129.1	132.1	132.5	134.3
57.5°	119.5	118.2	115.1	114.7	114.7	114.7	113.4	115.1	116.0	118.2	118.2
60°	104.6	104.6	102.0	102.0	102.5	102.0	102.0	102.5	102.5	104.2	105.1
62.5°	92.9	92.4	92.4	91.6	91.1	91.6	91.1	91.1	91.6	92.9	94.2
65°	82.4	82.0	81.5	81.1	80.2	80.2	80.7	81.5	81.5	82.4	82.8
67.5°	72.4	72.4	71.5	71.5	71.1	70.6	71.1	70.6	72.4	72.4	72.8
70°	62.3	61.9	60.6	60.2	58.9	59.3	59.3	60.6	61.0	61.9	62.8
72.5°	50.1	50.1	49.3	48.4	48.8	48.0	48.0	48.4	48.4	49.7	50.1
75°	41.4	40.5	40.1	40.5	40.1	41.0	40.1	40.1	41.0	41.0	41.0
77.5°	34.0	34.0	33.6	33.6	34.0	33.6	34.0	34.0	34.0	33.6	34.0
80°	27.9	27.5	27.5	27.5	27.0	27.0	27.0	27.0	27.0	27.0	27.0
82.5°	20.9	20.9	20.5	20.9	20.9	20.5	20.9	20.5	20.5	20.9	20.9
85°	14.0	14.8	14.0	14.0	14.4	14.4	14.8	14.4	14.8	14.0	14.4
87.5°	7.4	7.8	7.8	7.4	7.4	7.8	7.8	7.8	8.3	7.4	7.8
90°	31.2	32.4	31.3	32.4	33.5	32.4	33.5	32.4	31.3	32.4	31.2
92.5°	70.9	67.0	64.8	60.3	61.4	59.2	61.4	60.3	64.8	67.0	70.9
95°	193.2	173.1	151.8	141.8	134.0	129.5	134.0	141.8	151.8	173.1	193.2
97.5°	485.6	422.0	347.2	304.8	278.0	265.7	278.0	304.8	347.2	422.0	485.6
100°	1016.0	936.8	824.0	742.5	698.9	700.1	698.9	742.5	824.0	936.8	1016.0
102.5°	1360.5	1317.5	1236.0	1175.7	1141.1	1108.7	1141.1	1175.7	1236.0	1317.5	1360.5
105°	1569.8	1555.3	1504.0	1461.5	1425.8	1420.2	1425.8	1461.5	1504.0	1555.3	1569.8
107.5°	1662.0	1677.0	1670.3	1650.2	1635.7	1623.4	1635.7	1650.2	1670.3	1677.0	1662.0
110°	1664.8	1703.8	1735.1	1744.0	1741.8	1739.6	1741.8	1744.0	1735.1	1703.8	1664.8

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1601.6	1654.7	1718.3	1750.7	1761.9	1763.0	1761.9	1750.7	1718.3	1654.7	1601.6
115°	1505.6	1566.5	1650.2	1699.4	1721.7	1727.3	1721.7	1699.4	1650.2	1566.5	1505.6
117.5°	1402.9	1466.0	1553.1	1607.8	1641.3	1649.1	1641.3	1607.8	1553.1	1466.0	1402.9
120°	1305.8	1362.2	1450.4	1512.9	1539.7	1546.4	1539.7	1512.9	1450.4	1362.2	1305.8
122.5°	1229.3	1280.7	1356.6	1411.3	1441.4	1450.4	1441.4	1411.3	1356.6	1280.7	1229.3
125°	1161.2	1205.9	1277.3	1326.4	1354.4	1362.2	1354.4	1326.4	1277.3	1205.9	1161.2
127.5°	1105.4	1146.7	1211.4	1253.9	1279.5	1286.2	1279.5	1253.9	1211.4	1146.7	1105.4
130°	1054.0	1092.0	1151.1	1191.3	1214.8	1223.7	1214.8	1191.3	1151.1	1092.0	1054.0
132.5°	1006.0	1041.7	1096.4	1136.6	1156.7	1162.3	1156.7	1136.6	1096.4	1041.7	1006.0
135°	956.3	988.1	1042.8	1076.3	1096.4	1104.3	1096.4	1076.3	1042.8	988.1	956.3
137.5°	909.4	937.9	984.8	1019.4	1036.1	1042.8	1036.1	1019.4	984.8	937.9	909.4
140°	863.6	887.6	930.1	961.3	979.2	978.1	979.2	961.3	930.1	887.6	863.6
142.5°	821.8	841.9	876.5	903.3	918.9	917.8	918.9	903.3	876.5	841.9	821.8
145°	784.4	800.6	828.5	851.9	860.8	863.1	860.8	851.9	828.5	800.6	784.4
147.5°	755.4	767.1	789.4	806.1	815.1	816.2	815.1	806.1	789.4	767.1	755.4
150°	729.6	740.3	757.0	769.3	776.0	776.0	776.0	769.3	757.0	740.3	729.6
152.5°	707.3	715.7	728.0	739.1	742.5	742.5	742.5	739.1	728.0	715.7	707.3
155°	686.7	693.4	703.4	712.3	714.6	715.7	714.6	712.3	703.4	693.4	686.7
157.5°	666.6	672.2	681.1	687.8	690.0	690.0	690.0	687.8	681.1	672.2	666.6
160°	648.2	652.1	659.9	666.6	666.6	665.5	666.6	666.6	659.9	652.1	648.2
162.5°	630.8	634.2	638.7	644.2	644.2	643.1	644.2	644.2	638.7	634.2	630.8
165°	613.5	616.3	620.8	625.3	624.1	624.1	624.1	625.3	620.8	616.3	613.5
167.5°	598.4	600.7	602.9	606.3	605.2	605.2	605.2	606.3	602.9	600.7	598.4
170°	585.0	586.2	587.3	589.5	588.4	588.4	588.4	589.5	587.3	586.2	585.0
172.5°	573.3	573.9	573.9	576.1	573.9	572.8	573.9	576.1	573.9	573.9	573.3
175°	562.7	562.7	562.7	563.8	562.7	561.6	562.7	563.8	562.7	562.7	562.7
177.5°	556.0	556.0	554.9	556.0	553.8	553.8	553.8	556.0	554.9	556.0	556.0
180°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2	509.2
2.5°	481.8	483.5	481.8	478.3	481.8	483.9	486.1	489.6	491.4	491.4	494.0
5°	454.3	457.8	456.5	455.6	459.1	461.3	464.8	469.1	473.9	477.0	480.5
7.5°	429.9	432.1	434.2	434.2	437.7	442.5	447.8	453.0	459.1	463.4	466.1
10°	408.5	410.3	411.6	413.3	418.5	423.8	430.7	437.3	442.5	447.3	451.7
12.5°	388.0	390.6	393.7	395.0	398.9	405.5	412.0	419.8	428.1	432.9	437.3
15°	368.4	369.7	373.2	377.1	380.6	387.6	395.9	404.2	411.1	418.5	422.5
17.5°	348.3	348.8	357.9	355.8	367.1	373.6	378.0	385.8	397.2	403.3	409.4
20°	328.7	333.1	337.0	339.2	345.3	352.7	365.4	371.5	380.6	386.3	391.5
22.5°	313.5	320.0	320.0	325.2	328.3	335.3	344.4	356.2	366.2	370.1	377.6
25°	300.0	303.0	308.2	310.0	315.7	321.8	327.9	340.5	351.4	356.6	361.9
27.5°	282.5	286.4	293.4	293.4	300.8	307.4	314.8	323.1	334.0	341.4	347.0
30°	269.0	272.9	276.0	280.8	283.8	289.9	303.0	309.1	318.7	325.2	332.2
32.5°	256.4	259.4	262.0	267.3	270.7	277.7	284.7	295.6	303.9	310.0	317.4
35°	242.4	245.5	248.9	252.9	258.1	264.6	271.2	280.3	288.6	294.3	300.4
37.5°	229.3	231.5	236.7	239.4	243.7	249.8	258.1	267.7	275.1	279.5	285.6
40°	216.7	218.4	222.4	227.1	230.2	235.0	243.7	252.0	261.2	266.4	271.2
42.5°	203.2	205.3	208.8	213.6	218.4	223.7	228.5	238.0	246.3	250.7	255.9
45°	191.4	192.7	195.3	200.1	204.9	208.8	216.2	225.0	232.8	236.3	242.0
47.5°	177.4	178.8	182.7	184.9	190.1	195.3	202.7	211.5	218.4	221.9	227.1
50°	163.1	164.4	167.0	171.8	175.3	180.9	187.5	194.9	203.6	208.4	211.5
52.5°	149.1	151.7	153.9	157.8	162.2	167.9	174.0	180.9	188.3	193.1	196.6
55°	135.2	137.3	139.9	142.1	147.4	152.6	159.6	166.1	172.6	177.0	180.9
57.5°	119.5	122.5	125.1	129.5	133.4	137.8	145.6	150.8	158.7	161.7	165.2
60°	105.9	109.0	111.2	114.7	118.2	123.8	129.1	135.6	142.1	146.1	150.4
62.5°	94.6	95.9	97.2	100.7	104.2	109.4	114.7	121.2	128.2	130.4	133.8
65°	83.3	84.6	86.8	89.8	92.4	95.5	101.1	106.4	112.9	116.4	117.7
67.5°	73.7	75.0	75.4	77.6	79.8	83.3	86.3	91.6	97.7	99.8	102.5
70°	62.8	65.0	65.4	67.1	68.0	70.2	73.7	77.6	82.4	86.3	88.5
72.5°	50.1	53.2	54.1	56.7	58.0	60.2	62.8	65.8	68.9	70.6	72.4
75°	41.0	41.9	42.3	44.5	46.6	49.7	51.0	52.8	55.4	57.5	59.3
77.5°	34.0	34.4	34.9	34.9	35.3	37.1	39.7	41.9	43.6	44.5	45.8
80°	27.5	27.0	27.0	27.5	27.5	27.5	28.3	31.4	32.3	34.4	34.0
82.5°	21.4	20.5	20.9	20.5	20.5	20.5	20.5	20.9	20.9	22.2	23.1
85°	14.0	14.4	14.0	14.0	13.5	14.0	13.5	13.5	13.1	13.1	12.6
87.5°	7.4	7.8	7.4	7.4	7.0	7.4	7.0	7.0	6.5	6.5	5.7
90°	30.1	29.0	27.9	26.8	27.9	24.6	21.2	17.9	14.5	13.4	12.3
92.5°	74.8	86.0	110.5	155.2	207.7	230.0	171.9	112.8	77.0	67.0	56.9
95°	213.3	272.4	402.0	537.1	662.1	589.5	406.4	240.1	145.1	123.4	101.6
97.5°	549.3	696.7	923.4	1052.9	1018.3	760.4	452.2	259.0	165.2	141.2	117.2
100°	1095.3	1226.0	1316.4	1277.3	1057.4	714.6	420.9	255.7	177.5	155.8	134.0
102.5°	1403.5	1466.0	1447.0	1288.5	984.8	647.6	394.1	260.2	192.0	172.5	153.0
105°	1584.4	1563.1	1451.5	1218.1	897.7	595.1	384.1	269.1	208.8	191.5	174.2
107.5°	1646.9	1559.8	1384.5	1117.6	820.7	557.2	381.9	283.6	230.0	213.8	197.6
110°	1625.7	1485.0	1279.5	1023.9	757.0	537.1	387.4	302.6	252.3	236.7	221.1

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1548.6	1386.7	1175.7	942.4	714.6	525.9	398.6	321.6	275.8	260.7	245.6
115°	1444.8	1280.7	1086.4	879.8	686.7	524.8	410.9	342.8	300.3	285.2	270.2
117.5°	1339.8	1189.1	1017.2	838.5	667.7	525.9	426.5	365.1	322.7	308.8	294.8
120°	1249.4	1115.4	964.7	807.3	655.4	530.4	444.4	386.3	346.1	332.2	318.2
122.5°	1177.9	1056.2	923.4	781.6	647.6	538.2	461.1	408.7	369.6	354.5	339.4
125°	1116.5	1009.3	887.6	760.4	640.9	546.0	479.0	429.9	390.8	375.7	360.6
127.5°	1064.1	965.8	855.3	740.3	637.5	554.9	493.5	448.8	410.9	395.8	380.7
130°	1016.0	925.6	825.1	724.6	634.2	563.8	508.0	465.6	428.7	413.6	398.6
132.5°	970.3	887.6	797.2	710.1	633.1	570.5	521.4	480.1	444.4	429.9	415.4
135°	924.5	851.9	772.6	697.8	632.0	577.2	532.6	494.6	460.0	445.0	429.9
137.5°	880.9	816.2	749.2	686.7	629.7	581.7	541.5	504.7	471.2	457.2	443.3
140°	839.6	786.0	729.1	676.6	628.6	586.2	548.2	514.7	482.3	468.4	454.4
142.5°	801.7	757.0	710.1	667.7	626.4	589.5	554.9	522.5	491.3	478.4	465.6
145°	768.2	732.4	695.6	659.9	624.1	590.6	559.4	529.2	500.2	487.4	474.5
147.5°	743.6	713.5	683.3	652.1	620.8	590.6	562.7	534.8	508.0	496.8	485.7
150°	719.0	695.6	669.9	644.2	616.3	590.6	563.8	540.4	514.7	504.6	494.6
152.5°	698.9	678.9	657.6	635.3	610.7	587.3	566.1	543.8	522.5	513.0	503.6
155°	680.0	663.2	645.4	626.4	604.0	585.1	566.1	548.2	529.2	521.4	513.6
157.5°	661.0	647.6	632.0	616.3	598.5	581.7	567.2	550.5	534.8	528.6	522.5
160°	644.2	633.1	620.8	606.3	591.8	579.5	567.2	553.8	540.4	534.8	529.2
162.5°	627.5	617.4	607.4	596.2	585.1	575.0	566.1	554.9	543.8	539.3	534.8
165°	610.7	602.9	596.2	587.3	578.4	570.5	563.8	556.0	547.1	543.2	539.3
167.5°	596.2	591.8	586.2	578.4	571.7	566.1	562.7	556.0	549.3	546.6	543.8
170°	583.9	579.5	576.1	570.5	565.0	561.6	559.4	554.9	549.3	548.2	547.1
172.5°	572.8	569.4	567.2	562.7	559.4	558.3	558.3	554.9	550.5	549.9	549.3
175°	562.7	560.5	559.4	557.2	554.9	554.9	556.0	553.8	551.6	551.0	550.5
177.5°	556.0	554.9	553.8	552.7	551.6	552.7	554.9	552.7	551.6	551.6	551.6
180°	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6	551.6

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	509.2	509.2	509.2	509.2
2.5°	496.1	499.2	505.3	510.5
5°	485.7	490.5	499.6	508.8
7.5°	473.0	480.5	492.2	504.9
10°	460.8	470.4	484.8	499.6
12.5°	448.6	458.7	473.9	493.1
15°	434.2	444.7	463.0	486.1
17.5°	421.6	435.5	452.1	475.2
20°	408.1	418.5	439.9	464.3
22.5°	391.1	408.5	428.6	454.3
25°	377.6	392.8	412.9	442.1
27.5°	361.0	378.9	403.3	429.0
30°	347.5	362.3	385.0	415.9
32.5°	331.8	349.2	372.8	403.3
35°	317.8	332.7	354.9	385.8
37.5°	301.3	317.4	342.2	369.7
40°	286.9	302.6	326.1	351.8
42.5°	269.4	286.0	309.5	331.3
45°	255.5	270.7	289.5	309.5
47.5°	238.5	254.6	272.9	286.9
50°	223.2	238.0	252.4	264.2
52.5°	206.7	220.2	233.2	242.0
55°	191.4	201.9	212.3	218.4
57.5°	173.5	183.5	192.3	195.8
60°	157.8	166.1	171.8	175.7
62.5°	141.3	147.4	151.7	153.9
65°	125.1	129.5	131.7	133.8
67.5°	108.6	112.5	113.8	116.4
70°	91.1	95.5	96.4	97.7
72.5°	78.0	78.0	79.8	81.5
75°	62.3	63.2	64.1	64.1
77.5°	48.8	48.8	49.7	50.1
80°	35.8	36.2	36.2	35.8
82.5°	24.4	25.3	24.4	24.0
85°	13.5	15.3	14.4	14.4
87.5°	5.7	5.7	6.5	5.7
90°	10.0	6.7	4.5	2.2
92.5°	45.8	35.7	24.6	16.7
95°	72.6	53.6	41.3	38.0
97.5°	88.2	71.5	61.4	60.3
100°	107.2	91.6	83.7	82.6
102.5°	129.5	115.0	108.3	106.1
105°	153.0	139.6	132.9	129.5
107.5°	177.5	164.1	157.4	154.1
110°	202.1	189.8	184.2	180.9

TEST NUMBER: P1012462

CATALOG NUMBER: S123RDIP-B340D1195UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	226.7	214.4	208.8	205.4
115°	251.2	240.1	233.4	228.9
117.5°	273.6	263.5	257.9	252.3
120°	297.0	285.8	280.2	276.9
122.5°	319.3	307.0	301.5	298.1
125°	339.4	327.1	320.4	318.2
127.5°	357.3	345.0	337.2	333.8
130°	375.2	361.8	351.7	348.4
132.5°	391.9	375.2	364.0	359.5
135°	406.4	389.7	377.4	372.9
137.5°	419.8	402.0	389.7	385.2
140°	432.1	414.2	403.1	397.5
142.5°	443.3	427.6	415.4	410.9
145°	455.5	438.8	428.7	425.4
147.5°	466.7	452.2	442.1	439.9
150°	479.0	464.5	455.5	454.4
152.5°	490.2	477.9	468.9	468.9
155°	501.3	490.2	483.5	483.5
157.5°	511.4	501.3	495.7	494.6
160°	521.4	512.5	508.0	508.0
162.5°	528.1	521.4	518.1	518.1
165°	534.8	529.2	527.0	528.1
167.5°	540.4	535.9	534.8	535.9
170°	544.9	541.5	540.4	542.6
172.5°	548.2	546.0	546.0	547.1
175°	550.5	548.2	549.3	550.5
177.5°	551.6	550.5	551.6	552.7
180°	551.6	551.6	551.6	551.6

(END OF REPORT)