

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: P1012456

Luminaire Tested: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012456
REPORT IS A COMBINATION OF REPORTS P993189 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

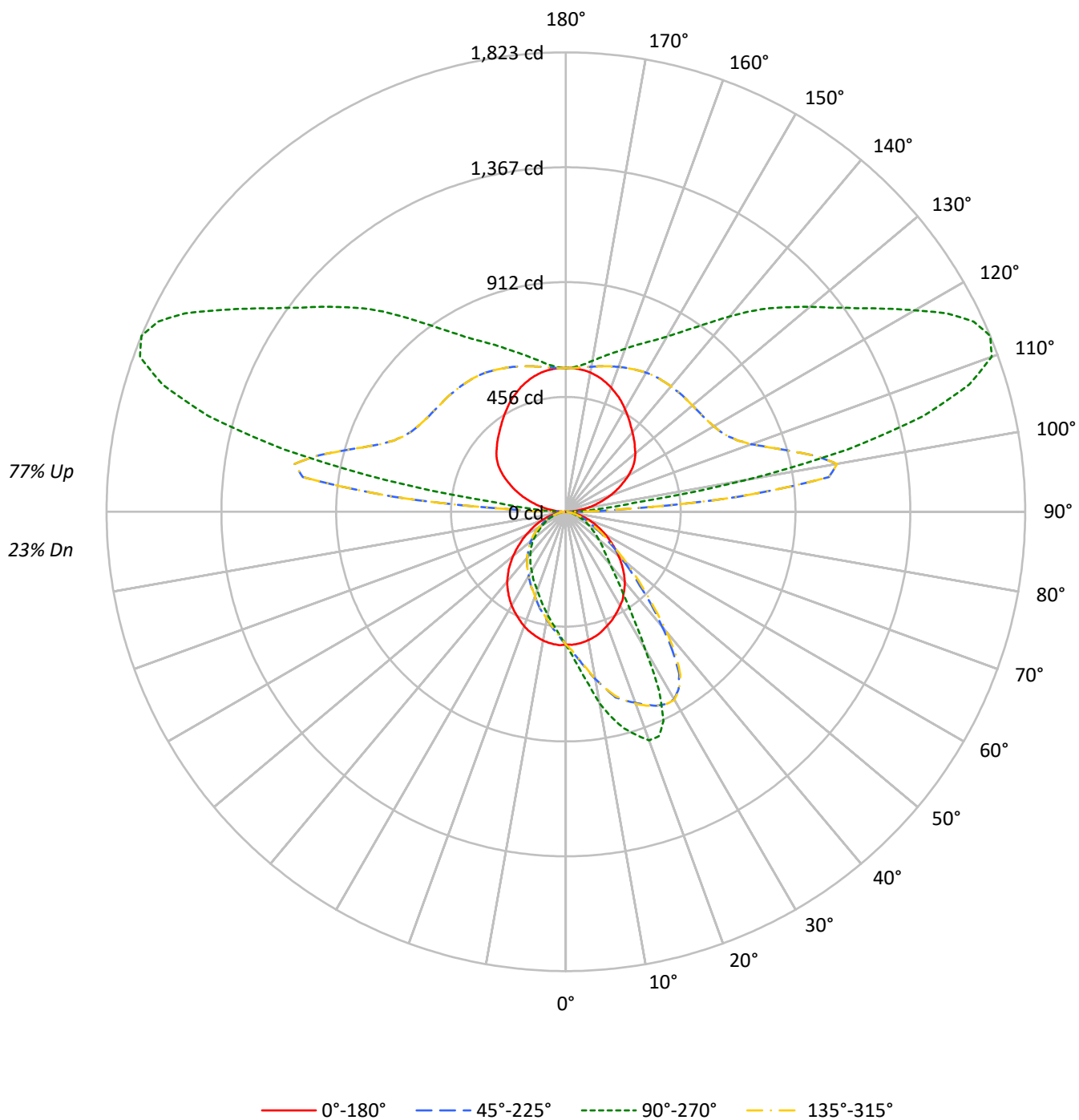
Lumens per Lamp: N/A
Luminaire Lumens: 5605.0 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	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°	5672	5672	5672	5672
5°	5675	6532	5690	4846
10°	5626	7885	5650	4233
15°	5568	8949	5568	3732
20°	5453	9653	5484	3311
25°	5370	9171	5359	3021
30°	5273	6354	5262	2737
35°	5155	4079	5132	2524
40°	5010	2880	4985	2311
45°	4757	2305	4749	2104
50°	4446	1929	4431	1862
55°	4095	1590	4062	1579
60°	3751	1314	3714	1343
65°	3348	1052	3370	1138
70°	2974	730	3057	921
75°	2522	542	2625	707
80°	2009	358	2177	531
85°	1431	171	1556	330

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7571 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	0.9
10°-20°	162.0	2.9
20°-30°	255.1	4.6
30°-40°	265.3	4.7
40°-50°	226.9	4.0
50°-60°	173.0	3.1
60°-70°	110.9	2.0
70°-80°	53.1	0.9
80°-90°	17.1	0.3
90°-100°	309.5	5.5
100°-110°	906.0	16.2
110°-120°	884.8	15.8
120°-130°	704.6	12.6
130°-140°	555.9	9.9
140°-150°	414.7	7.4
150°-160°	289.2	5.2
160°-170°	169.9	3.0
170°-180°	55.3	1.0
0°-30°	468.8	8.4
0°-40°	734.1	13.1
0°-60°	1134.1	20.2
0°-90°	1315.2	23.5
90°-120°	2100.3	37.5
90°-150°	3775.6	67.4
90°-180°	4290.0	76.5
0°-180°	5605.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	527	527	527	527	527	
5°	526	626	528	464	526	50
15°	503	889	503	371	503	141
25°	457	916	456	302	457	211
35°	399	397	397	246	399	250
45°	320	212	320	194	320	247
55°	226	133	224	132	226	203
65°	138	77	139	83	138	138
75°	66	32	69	42	66	72
85°	15	8	16	15	15	17
90°	2	34	2	34	2	4
95°	39	134	39	134	39	42
105°	134	1468	134	1468	134	142
115°	237	1786	237	1786	237	234
125°	329	1408	329	1408	329	292
135°	386	1142	386	1142	386	298
145°	440	892	440	892	440	276
155°	500	740	500	740	500	230
165°	546	645	546	645	546	154
175°	569	581	569	581	569	54
180°	570	570	570	570	570	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	528.2	531.9	534.6	536.4	540.9	543.6	545.8	549.9	549.9	550.8	552.6
5°	526.4	534.1	539.5	546.7	556.2	560.7	567.0	572.5	580.1	584.2	588.2
7.5°	522.4	533.2	544.5	555.3	569.3	578.3	584.6	598.6	608.5	620.7	630.2
10°	517.0	531.9	546.3	563.0	581.9	595.5	604.9	623.4	642.4	659.5	674.0
12.5°	510.2	528.2	549.0	569.3	595.9	609.4	624.8	647.8	674.9	696.5	715.9
15°	503.0	523.7	547.2	572.0	605.4	624.3	646.4	674.4	704.6	735.8	762.4
17.5°	491.7	517.9	544.0	580.1	619.4	630.7	649.6	687.9	725.4	753.4	785.8
20°	480.4	509.8	542.7	575.2	617.6	643.7	661.3	701.9	742.1	775.9	807.0
22.5°	470.1	500.7	535.0	576.1	615.8	641.9	664.0	706.4	752.9	790.8	829.1
25°	457.4	490.8	528.7	567.5	615.8	635.6	660.0	709.1	758.3	802.1	849.4
27.5°	443.9	477.7	515.2	554.9	599.1	628.4	652.3	705.1	765.1	812.0	860.7
30°	430.4	465.1	501.2	536.8	586.4	614.4	641.9	700.1	768.7	822.4	859.8
32.5°	417.3	446.6	482.2	517.0	566.1	596.8	627.9	695.2	770.0	815.2	833.2
35°	399.2	429.9	458.8	495.8	545.4	575.6	612.2	694.7	764.2	792.1	783.1
37.5°	382.5	408.3	435.8	468.7	519.7	558.9	596.8	683.0	744.8	746.6	695.6
40°	364.0	385.2	408.3	443.0	498.0	536.8	577.9	664.9	709.6	683.0	593.2
42.5°	342.8	361.8	379.8	413.7	473.7	517.0	561.2	642.4	658.6	597.3	503.9
45°	320.3	335.6	352.3	388.0	448.0	490.8	535.0	607.6	591.0	504.3	415.5
47.5°	296.8	309.9	326.2	358.6	420.4	464.2	506.1	558.0	515.6	422.7	348.3
50°	273.4	283.7	299.5	332.9	392.5	432.2	471.0	504.8	445.2	362.7	287.8
52.5°	250.4	258.5	274.7	303.1	360.9	398.8	426.7	439.8	379.4	299.5	249.9
55°	226.0	235.0	245.9	274.7	332.0	360.0	378.5	378.0	315.8	254.0	206.6
57.5°	202.5	210.7	220.1	249.0	295.5	314.4	330.2	322.5	263.4	208.0	177.3
60°	181.8	186.3	196.7	221.0	256.2	272.5	281.5	268.4	215.2	175.5	146.6
62.5°	159.2	163.8	172.3	195.3	217.0	225.6	233.2	216.5	177.7	143.0	125.4
65°	138.5	144.4	149.8	168.3	180.0	190.4	189.5	175.5	138.9	116.4	102.0
67.5°	120.4	122.7	127.2	138.5	143.9	151.6	152.0	136.2	111.9	94.7	86.2
70°	101.0	103.3	106.5	111.9	115.5	117.3	116.4	102.4	84.4	74.0	66.3
72.5°	84.4	83.9	86.2	86.2	89.8	89.3	86.6	75.8	64.1	55.5	51.0
75°	66.3	66.8	67.2	66.3	65.0	63.2	60.9	52.8	45.1	41.1	37.0
77.5°	51.9	51.0	51.4	48.3	46.5	44.7	41.5	37.4	31.1	30.2	28.4
80°	37.0	36.5	36.1	34.7	30.7	28.9	26.6	24.4	23.0	22.1	21.7
82.5°	24.8	24.8	23.9	21.2	18.9	17.6	17.1	16.2	14.9	14.9	14.4
85°	14.9	14.4	13.5	10.8	9.5	9.5	9.5	9.5	8.6	8.6	8.1
87.5°	5.9	5.4	4.1	4.1	3.6	3.6	3.6	3.2	3.2	2.7	2.7
90°	2.3	4.6	6.9	10.4	12.7	13.8	15.0	18.5	21.9	25.4	28.9
92.5°	17.3	25.4	36.9	47.3	58.9	69.3	79.7	116.6	177.8	237.8	214.7
95°	39.3	42.7	55.4	75.0	105.1	127.6	150.1	248.2	420.2	609.5	684.6
97.5°	62.3	63.5	73.9	91.2	121.2	146.0	170.9	267.8	467.6	786.2	1052.9
100°	85.4	86.6	94.7	110.8	138.5	161.0	183.6	264.4	435.2	738.8	1093.3
102.5°	109.7	112.0	118.9	133.9	158.2	178.4	198.6	269.0	407.5	669.6	1018.2
105°	133.9	137.4	144.3	158.2	180.1	198.0	215.9	278.2	397.1	615.3	928.2
107.5°	159.3	162.8	169.7	183.6	204.3	221.0	237.8	293.2	394.8	576.1	848.5
110°	187.0	190.5	196.3	209.0	228.6	244.8	260.9	312.9	400.6	555.3	782.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	212.4	215.9	221.7	234.4	254.0	269.6	285.1	332.5	412.1	543.7	738.8
115°	236.7	241.3	248.2	259.8	279.4	295.0	310.5	354.4	424.8	542.6	710.0
117.5°	260.9	266.7	272.5	282.8	304.8	319.2	333.6	377.5	441.0	543.7	690.4
120°	286.3	289.8	295.5	307.1	329.0	343.4	357.9	399.4	459.5	548.4	677.7
122.5°	308.2	311.7	317.5	330.2	351.0	366.6	382.1	422.5	476.8	556.4	669.6
125°	329.0	331.3	338.3	351.0	372.9	388.5	404.1	444.5	495.3	564.5	662.7
127.5°	345.2	348.6	356.7	369.4	393.7	409.2	424.8	464.1	510.3	573.8	659.2
130°	360.2	363.7	374.0	387.9	412.1	427.7	443.3	481.4	525.3	583.0	655.7
132.5°	371.7	376.4	387.9	405.2	429.5	444.5	459.5	496.4	539.1	589.9	654.6
135°	385.6	390.2	402.9	420.2	444.5	460.0	475.6	511.4	550.7	596.9	653.4
137.5°	398.3	402.9	415.6	434.1	458.3	472.8	487.2	521.8	559.9	601.5	651.1
140°	411.0	416.8	428.3	446.8	469.9	484.3	498.7	532.2	566.8	606.1	650.0
142.5°	424.8	429.5	442.2	458.3	481.4	494.7	508.0	540.3	573.8	609.5	647.6
145°	439.8	443.3	453.7	471.0	490.6	503.9	517.2	547.2	578.4	610.7	645.3
147.5°	454.9	457.2	467.6	482.6	502.2	513.8	525.3	553.0	581.8	610.7	641.9
150°	469.9	471.0	480.3	495.3	511.4	521.8	532.2	558.8	583.0	610.7	637.3
152.5°	484.9	484.9	494.1	506.8	520.7	530.5	540.3	562.2	585.3	607.2	631.5
155°	499.9	499.9	506.8	518.3	531.0	539.1	547.2	566.8	585.3	604.9	624.6
157.5°	511.4	512.6	518.3	528.7	540.3	546.6	553.0	569.1	586.5	601.5	618.8
160°	525.3	525.3	529.9	539.1	547.2	553.0	558.8	572.6	586.5	599.2	611.9
162.5°	535.7	535.7	539.1	546.1	553.0	557.6	562.2	573.8	585.3	594.5	604.9
165°	546.1	544.9	547.2	553.0	557.6	561.7	565.7	574.9	583.0	589.9	598.0
167.5°	554.1	553.0	554.1	558.8	562.2	565.1	568.0	574.9	581.8	585.3	591.1
170°	561.1	558.8	559.9	563.4	565.7	566.8	568.0	573.8	578.4	580.7	584.2
172.5°	565.7	564.5	564.5	566.8	568.0	568.6	569.1	573.8	577.2	577.2	578.4
175°	569.1	568.0	566.8	569.1	569.1	569.7	570.3	572.6	574.9	573.8	573.8
177.5°	571.5	570.3	569.1	570.3	570.3	570.3	570.3	571.5	573.8	571.5	570.3
180°	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	556.2	556.2	560.3	564.3	562.1	563.4	568.4	566.6	570.2	569.8	571.1
5°	598.2	603.1	607.2	615.8	617.1	615.8	624.3	626.6	630.7	625.7	627.9
7.5°	645.5	655.9	665.8	678.5	682.5	683.4	687.9	694.3	699.7	689.7	694.7
10°	691.6	707.3	727.6	738.9	748.8	752.5	756.1	760.1	766.4	772.3	767.8
12.5°	741.2	764.2	783.6	803.9	816.1	814.7	825.1	827.8	832.7	834.1	835.9
15°	781.8	814.3	826.4	856.7	859.4	868.4	880.1	890.5	891.8	889.1	889.1
17.5°	820.6	848.5	870.2	894.6	899.5	907.2	922.1	927.0	928.8	928.4	928.4
20°	852.1	870.6	907.2	927.5	935.6	945.5	955.9	962.2	963.6	965.4	962.7
22.5°	872.9	900.9	930.6	947.3	954.1	957.7	964.5	966.3	964.0	964.5	964.9
25°	889.1	916.7	934.7	939.2	938.8	934.2	929.3	920.7	919.8	916.2	909.0
27.5°	893.6	904.0	901.8	883.3	864.8	863.0	833.2	817.0	798.5	801.2	790.8
30°	869.3	855.8	823.7	776.8	757.4	725.8	692.5	657.7	644.2	629.3	656.8
32.5°	809.7	761.5	704.6	643.7	611.3	583.3	547.6	522.4	507.9	495.8	519.2
35°	720.0	644.6	569.3	511.6	484.9	459.7	426.3	413.7	395.6	397.4	399.7
37.5°	604.5	521.5	464.6	407.8	390.2	379.8	355.5	336.1	329.8	328.0	328.0
40°	496.2	428.1	377.6	332.9	319.4	310.8	291.4	282.4	275.6	273.8	276.1
42.5°	410.5	352.3	313.1	283.3	273.8	263.0	254.9	243.6	242.2	239.1	243.1
45°	344.6	294.1	264.8	243.1	235.0	231.0	221.9	215.2	212.5	212.0	215.2
47.5°	292.3	253.1	227.4	213.8	207.5	203.5	195.8	193.1	190.4	191.3	189.9
50°	245.4	216.1	199.4	187.2	183.2	179.1	174.1	171.4	170.1	170.1	169.6
52.5°	210.7	186.3	175.5	164.2	162.4	160.1	154.7	152.9	150.7	150.2	152.0
55°	180.4	163.8	152.9	146.2	144.4	139.8	137.6	135.3	134.0	133.1	133.5
57.5°	154.3	141.6	134.4	128.6	125.4	123.6	119.5	119.1	118.2	118.2	117.7
60°	132.6	123.6	115.0	111.4	109.2	106.9	106.5	103.8	102.4	103.3	102.9
62.5°	112.3	105.1	100.1	96.1	94.7	92.9	91.6	90.7	89.3	89.8	89.8
65°	93.8	88.0	84.4	80.7	80.3	78.5	78.0	77.1	77.1	76.7	77.6
67.5°	77.1	73.1	69.9	67.7	66.3	66.8	65.0	63.6	63.6	63.2	64.5
70°	61.4	59.1	55.9	53.2	51.4	51.4	49.2	48.7	48.7	48.7	48.3
72.5°	47.4	43.3	42.0	41.1	41.1	41.1	40.1	40.1	39.7	40.1	39.7
75°	35.2	34.7	33.8	33.4	33.4	32.9	32.5	32.5	32.5	32.5	32.5
77.5°	27.5	27.5	26.6	26.2	26.2	26.2	25.7	25.7	25.3	25.3	25.3
80°	20.3	20.3	19.4	19.4	19.4	18.9	18.9	18.9	19.4	18.9	18.9
82.5°	14.0	14.0	13.5	14.0	13.5	13.1	13.1	13.1	12.6	13.1	13.1
85°	8.1	8.1	7.7	7.2	7.7	7.7	7.2	7.7	7.2	7.7	7.2
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°	27.7	28.9	30.0	31.2	32.4	33.5	32.3	33.5	34.6	33.5	34.6
92.5°	160.5	114.3	88.9	77.3	73.3	69.3	67.0	62.3	63.5	61.2	63.5
95°	555.3	415.6	281.7	220.5	199.7	178.9	157.0	146.6	138.5	133.9	138.5
97.5°	1088.6	954.7	720.4	568.0	502.2	436.4	359.0	315.2	287.5	274.8	287.5
100°	1320.7	1361.1	1267.6	1132.5	1050.6	968.6	852.0	767.7	722.7	723.8	722.7
102.5°	1332.2	1496.2	1515.8	1451.1	1406.7	1362.3	1278.0	1215.6	1179.8	1146.4	1179.8
105°	1259.5	1500.8	1616.2	1638.2	1623.2	1608.1	1555.0	1511.2	1474.2	1468.5	1474.2
107.5°	1155.6	1431.5	1612.8	1702.8	1718.4	1734.0	1727.1	1706.3	1691.3	1678.6	1691.3
110°	1058.6	1323.0	1535.4	1680.9	1721.3	1761.7	1794.0	1803.3	1800.9	1798.6	1800.9

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	974.4	1215.6	1433.8	1601.2	1656.0	1710.9	1776.7	1810.2	1821.7	1822.9	1821.7
115°	909.7	1123.3	1324.2	1493.9	1556.8	1619.7	1706.3	1757.1	1780.2	1785.9	1780.2
117.5°	867.0	1051.7	1229.5	1385.3	1450.6	1515.8	1605.8	1662.4	1697.0	1705.1	1697.0
120°	834.7	997.4	1153.3	1291.8	1350.1	1408.4	1499.6	1564.3	1592.0	1598.9	1592.0
122.5°	808.1	954.7	1092.1	1217.9	1271.1	1324.2	1402.7	1459.2	1490.4	1499.6	1490.4
125°	786.2	917.8	1043.6	1154.5	1200.6	1246.8	1320.7	1371.5	1400.3	1408.4	1400.3
127.5°	765.4	884.3	998.6	1100.2	1142.9	1185.6	1252.6	1296.4	1323.0	1329.9	1323.0
130°	749.2	853.1	957.0	1050.5	1089.8	1129.1	1190.2	1231.8	1256.0	1265.3	1256.0
132.5°	734.2	824.3	917.8	1003.2	1040.2	1077.1	1133.7	1175.2	1196.0	1201.8	1196.0
135°	721.5	798.9	880.8	955.9	988.8	1021.7	1078.3	1112.9	1133.7	1141.8	1133.7
137.5°	710.0	774.6	843.9	910.9	940.3	969.7	1018.2	1054.0	1071.3	1078.3	1071.3
140°	699.6	753.9	812.7	868.1	893.0	917.8	961.7	994.0	1012.5	1011.3	1012.5
142.5°	690.4	734.2	782.7	828.9	849.7	870.5	906.2	934.0	950.1	949.0	950.1
145°	682.3	719.2	757.3	794.3	811.0	827.7	856.6	880.8	890.1	892.4	890.1
147.5°	674.2	706.5	737.7	768.9	781.0	793.1	816.2	833.5	842.7	843.9	842.7
150°	666.1	692.7	719.2	743.5	754.4	765.4	782.7	795.4	802.3	802.3	802.3
152.5°	656.9	680.0	701.9	722.7	731.4	740.0	752.7	764.2	767.7	767.7	767.7
155°	647.6	667.3	685.7	703.1	710.0	716.9	727.3	736.5	738.8	740.0	738.8
157.5°	637.3	653.4	669.6	683.4	689.2	695.0	704.2	711.1	713.5	713.5	713.5
160°	626.9	641.9	654.6	666.1	670.2	674.2	682.3	689.2	689.2	688.1	689.2
162.5°	616.5	628.0	638.4	648.8	652.2	655.7	660.3	666.1	666.1	665.0	666.1
165°	607.2	616.5	623.4	631.5	634.4	637.3	641.9	646.5	645.3	645.3	645.3
167.5°	598.0	606.1	611.9	616.5	618.8	621.1	623.4	626.9	625.7	625.7	625.7
170°	589.9	595.7	599.2	603.8	605.0	606.1	607.2	609.5	608.4	608.4	608.4
172.5°	581.8	586.5	588.8	592.2	592.8	593.4	593.4	595.7	593.4	592.2	593.4
175°	576.1	578.4	579.5	581.8	581.8	581.8	581.8	583.0	581.8	580.7	581.8
177.5°	571.5	572.6	573.8	574.9	574.9	574.9	573.8	574.9	572.6	572.6	572.6
180°	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	568.8	566.1	564.3	563.0	561.6	565.7	560.3	554.4	550.4	547.6	546.7
5°	628.4	622.5	617.6	613.5	614.4	614.4	604.9	594.6	585.5	580.6	575.2
7.5°	697.4	691.1	681.2	678.9	677.1	665.8	656.4	637.4	626.1	614.9	604.9
10°	766.0	757.9	748.4	745.2	740.7	726.7	712.3	687.9	674.0	653.2	640.1
12.5°	830.0	820.1	810.6	808.4	801.6	789.4	764.6	739.4	715.5	693.4	670.3
15°	883.7	881.0	866.6	857.6	842.7	826.0	820.6	786.3	756.1	733.1	691.6
17.5°	928.8	916.2	902.7	896.8	890.9	871.5	852.1	817.0	784.5	750.6	724.0
20°	964.9	950.9	941.5	932.9	930.2	908.1	877.4	846.3	810.6	772.8	738.0
22.5°	966.7	964.9	958.6	953.6	948.2	933.8	909.4	870.6	832.7	791.2	745.7
25°	929.3	926.6	944.6	940.1	943.7	938.3	925.2	892.7	848.5	799.8	753.8
27.5°	816.5	844.0	872.4	882.4	889.1	908.5	914.9	896.8	861.2	809.3	757.9
30°	663.1	699.7	745.7	770.5	789.4	825.5	872.4	878.3	861.6	820.1	757.0
32.5°	520.6	554.0	591.0	620.3	645.5	719.5	782.7	828.2	836.4	814.7	759.2
35°	419.5	434.0	469.2	497.1	531.4	594.6	669.0	742.5	792.1	794.9	752.5
37.5°	346.0	353.7	384.3	400.1	420.4	475.9	545.4	641.5	718.6	755.2	733.5
40°	286.5	304.0	321.6	330.7	345.1	383.4	450.2	525.5	621.2	688.8	704.2
42.5°	248.6	256.2	267.5	280.1	289.2	322.5	367.2	436.2	522.4	616.7	659.1
45°	219.2	221.9	233.7	241.8	251.3	274.7	306.3	364.0	439.8	532.8	604.9
47.5°	194.9	200.3	206.6	211.6	217.9	235.9	263.0	305.0	371.7	454.7	532.3
50°	173.2	176.4	184.5	186.8	191.3	203.9	224.7	256.7	311.7	378.0	458.3
52.5°	152.9	158.8	161.9	165.1	169.2	179.5	193.1	219.2	260.7	323.0	391.1
55°	137.1	138.9	143.5	146.2	149.3	156.5	168.3	187.7	220.1	269.8	334.3
57.5°	121.8	121.8	126.3	128.6	131.7	137.1	147.5	162.4	185.9	222.8	281.9
60°	105.6	106.0	109.6	112.3	113.2	118.6	127.2	138.9	157.0	184.1	232.3
62.5°	91.1	93.4	95.2	96.1	99.2	102.4	109.6	117.7	130.4	154.3	188.6
65°	78.9	79.4	80.7	81.7	83.0	86.6	92.0	97.4	108.3	125.9	153.8
67.5°	65.0	66.8	68.6	68.6	69.9	71.7	77.1	81.7	89.8	100.1	119.1
70°	48.7	49.6	52.3	53.7	55.5	58.6	61.4	64.1	70.4	78.0	92.5
72.5°	40.6	40.6	41.5	42.0	42.0	44.2	48.3	51.0	54.1	59.5	69.5
75°	32.5	32.5	33.8	33.4	34.3	35.2	35.6	37.4	39.2	43.3	49.2
77.5°	25.7	26.2	26.2	26.6	26.6	27.1	27.5	28.4	29.3	31.6	34.3
80°	18.9	19.4	19.4	19.8	19.8	20.3	20.8	21.2	22.1	23.0	24.4
82.5°	13.1	13.5	13.5	14.0	13.5	14.0	14.4	14.4	14.9	15.8	16.2
85°	7.7	7.7	8.1	7.7	7.7	7.7	8.1	8.1	8.6	9.9	9.9
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°	33.5	32.3	33.5	32.4	31.2	30.0	28.9	27.7	28.9	25.4	21.9
92.5°	62.3	67.0	69.3	73.3	77.3	88.9	114.3	160.5	214.7	237.8	177.8
95°	146.6	157.0	178.9	199.7	220.5	281.7	415.6	555.3	684.6	609.5	420.2
97.5°	315.2	359.0	436.4	502.2	568.0	720.4	954.7	1088.6	1052.9	786.2	467.6
100°	767.7	852.0	968.6	1050.6	1132.5	1267.6	1361.1	1320.7	1093.3	738.8	435.2
102.5°	1215.6	1278.0	1362.3	1406.7	1451.1	1515.8	1496.2	1332.2	1018.2	669.6	407.5
105°	1511.2	1555.0	1608.1	1623.2	1638.2	1616.2	1500.8	1259.5	928.2	615.3	397.1
107.5°	1706.3	1727.1	1734.0	1718.4	1702.8	1612.8	1431.5	1155.6	848.5	576.1	394.8
110°	1803.3	1794.0	1761.7	1721.3	1680.9	1535.4	1323.0	1058.6	782.7	555.3	400.6

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1810.2	1776.7	1710.9	1656.0	1601.2	1433.8	1215.6	974.4	738.8	543.7	412.1
115°	1757.1	1706.3	1619.7	1556.8	1493.9	1324.2	1123.3	909.7	710.0	542.6	424.8
117.5°	1662.4	1605.8	1515.8	1450.6	1385.3	1229.5	1051.7	867.0	690.4	543.7	441.0
120°	1564.3	1499.6	1408.4	1350.1	1291.8	1153.3	997.4	834.7	677.7	548.4	459.5
122.5°	1459.2	1402.7	1324.2	1271.1	1217.9	1092.1	954.7	808.1	669.6	556.4	476.8
125°	1371.5	1320.7	1246.8	1200.6	1154.5	1043.6	917.8	786.2	662.7	564.5	495.3
127.5°	1296.4	1252.6	1185.6	1142.9	1100.2	998.6	884.3	765.4	659.2	573.8	510.3
130°	1231.8	1190.2	1129.1	1089.8	1050.5	957.0	853.1	749.2	655.7	583.0	525.3
132.5°	1175.2	1133.7	1077.1	1040.2	1003.2	917.8	824.3	734.2	654.6	589.9	539.1
135°	1112.9	1078.3	1021.7	988.8	955.9	880.8	798.9	721.5	653.4	596.9	550.7
137.5°	1054.0	1018.2	969.7	940.3	910.9	843.9	774.6	710.0	651.1	601.5	559.9
140°	994.0	961.7	917.8	893.0	868.1	812.7	753.9	699.6	650.0	606.1	566.8
142.5°	934.0	906.2	870.5	849.7	828.9	782.7	734.2	690.4	647.6	609.5	573.8
145°	880.8	856.6	827.7	811.0	794.3	757.3	719.2	682.3	645.3	610.7	578.4
147.5°	833.5	816.2	793.1	781.0	768.9	737.7	706.5	674.2	641.9	610.7	581.8
150°	795.4	782.7	765.4	754.4	743.5	719.2	692.7	666.1	637.3	610.7	583.0
152.5°	764.2	752.7	740.0	731.4	722.7	701.9	680.0	656.9	631.5	607.2	585.3
155°	736.5	727.3	716.9	710.0	703.1	685.7	667.3	647.6	624.6	604.9	585.3
157.5°	711.1	704.2	695.0	689.2	683.4	669.6	653.4	637.3	618.8	601.5	586.5
160°	689.2	682.3	674.2	670.2	666.1	654.6	641.9	626.9	611.9	599.2	586.5
162.5°	666.1	660.3	655.7	652.2	648.8	638.4	628.0	616.5	604.9	594.5	585.3
165°	646.5	641.9	637.3	634.4	631.5	623.4	616.5	607.2	598.0	589.9	583.0
167.5°	626.9	623.4	621.1	618.8	616.5	611.9	606.1	598.0	591.1	585.3	581.8
170°	609.5	607.2	606.1	605.0	603.8	599.2	595.7	589.9	584.2	580.7	578.4
172.5°	595.7	593.4	593.4	592.8	592.2	588.8	586.5	581.8	578.4	577.2	577.2
175°	583.0	581.8	581.8	581.8	581.8	579.5	578.4	576.1	573.8	573.8	574.9
177.5°	574.9	573.8	574.9	574.9	574.9	573.8	572.6	571.5	570.3	571.5	573.8
180°	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	545.4	543.1	540.9	540.9	535.9	531.4	529.2	530.1	527.3	523.7	520.1
5°	569.3	560.3	558.5	553.5	546.7	537.3	532.3	527.8	522.4	515.2	508.4
7.5°	591.4	579.7	573.4	568.4	555.3	542.2	531.4	524.2	514.7	503.9	495.8
10°	620.3	598.6	591.9	580.6	562.1	543.6	531.0	519.2	506.1	493.5	482.7
12.5°	643.3	618.5	605.8	594.6	570.7	547.2	526.0	511.6	495.8	481.8	467.8
15°	669.4	641.5	619.4	605.8	575.6	547.2	523.3	503.0	485.4	468.3	456.1
17.5°	682.1	646.9	637.0	617.6	573.8	545.4	516.1	494.4	473.2	453.4	438.9
20°	701.9	660.9	636.1	623.0	584.2	542.2	507.9	483.1	461.0	439.8	424.5
22.5°	703.3	658.6	642.4	617.6	569.8	532.8	500.7	470.5	444.8	424.9	409.2
25°	700.1	654.6	632.0	612.2	572.5	527.3	486.3	456.5	431.3	408.3	389.8
27.5°	698.8	642.8	621.6	601.8	557.1	511.6	477.7	443.9	415.0	394.7	375.8
30°	697.0	630.2	604.5	581.5	540.4	499.4	458.8	429.5	401.9	376.2	357.3
32.5°	685.2	613.1	586.9	562.5	518.3	477.3	445.2	414.1	384.3	360.4	343.3
35°	681.6	597.3	563.0	536.8	493.5	457.0	423.1	397.4	369.5	345.5	325.2
37.5°	671.3	581.0	544.0	510.7	465.5	430.8	406.0	380.3	353.2	327.5	311.3
40°	653.2	562.1	520.1	485.8	439.4	404.2	381.2	362.2	335.6	312.6	292.8
42.5°	626.6	542.7	497.6	461.5	410.1	377.1	358.2	340.1	317.6	293.7	277.4
45°	595.9	517.0	475.0	434.9	382.5	350.5	330.7	319.8	299.1	278.8	259.8
47.5°	554.0	490.4	448.9	407.4	354.1	323.0	307.2	296.4	281.9	259.8	244.5
50°	501.2	456.1	416.8	379.8	326.2	296.4	280.6	272.5	260.3	244.5	229.6
52.5°	442.5	416.4	383.9	349.6	297.7	269.8	255.3	249.0	240.0	225.1	212.5
55°	383.4	372.2	350.1	316.2	268.0	245.0	232.3	224.2	217.4	206.6	195.8
57.5°	330.7	325.2	309.9	283.7	243.1	219.2	208.4	203.0	197.6	189.5	178.6
60°	276.1	281.9	266.2	253.1	216.1	195.3	185.9	180.0	177.3	170.1	163.3
62.5°	228.7	234.1	225.1	215.2	189.0	170.5	164.7	159.2	157.4	151.1	144.4
65°	185.9	192.6	185.9	180.4	164.7	149.3	142.1	139.4	137.6	133.5	128.1
67.5°	148.0	154.7	151.6	144.8	139.8	127.2	123.2	120.4	119.5	116.4	111.9
70°	111.4	120.9	121.8	117.7	113.2	107.4	104.7	103.8	101.5	98.8	96.1
72.5°	80.3	91.1	91.6	91.6	88.9	88.9	86.2	84.8	84.8	82.1	78.9
75°	59.1	66.3	67.2	68.1	69.5	70.8	69.0	69.0	68.6	65.9	64.5
77.5°	39.2	45.6	47.8	51.0	52.8	52.8	53.7	54.6	53.7	52.3	51.4
80°	25.3	29.8	32.5	34.3	37.0	38.3	39.7	40.1	39.2	38.8	37.4
82.5°	16.7	18.0	19.4	21.7	24.8	27.1	27.1	26.6	27.5	27.1	26.6
85°	9.5	10.4	10.8	11.3	13.1	15.3	15.8	16.2	17.1	16.2	15.3
87.5°	3.6	4.1	4.1	4.1	5.0	5.4	6.8	8.6	8.1	7.2	7.2
90°	18.5	15.0	13.8	12.7	10.4	6.9	4.6	2.3	4.6	6.9	10.4
92.5°	116.6	79.7	69.3	58.9	47.3	36.9	25.4	17.3	25.4	36.9	47.3
95°	248.2	150.1	127.6	105.1	75.0	55.4	42.7	39.3	42.7	55.4	75.0
97.5°	267.8	170.9	146.0	121.2	91.2	73.9	63.5	62.3	63.5	73.9	91.2
100°	264.4	183.6	161.0	138.5	110.8	94.7	86.6	85.4	86.6	94.7	110.8
102.5°	269.0	198.6	178.4	158.2	133.9	118.9	112.0	109.7	112.0	118.9	133.9
105°	278.2	215.9	198.0	180.1	158.2	144.3	137.4	133.9	137.4	144.3	158.2
107.5°	293.2	237.8	221.0	204.3	183.6	169.7	162.8	159.3	162.8	169.7	183.6
110°	312.9	260.9	244.8	228.6	209.0	196.3	190.5	187.0	190.5	196.3	209.0

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	332.5	285.1	269.6	254.0	234.4	221.7	215.9	212.4	215.9	221.7	234.4
115°	354.4	310.5	295.0	279.4	259.8	248.2	241.3	236.7	241.3	248.2	259.8
117.5°	377.5	333.6	319.2	304.8	282.8	272.5	266.7	260.9	266.7	272.5	282.8
120°	399.4	357.9	343.4	329.0	307.1	295.5	289.8	286.3	289.8	295.5	307.1
122.5°	422.5	382.1	366.6	351.0	330.2	317.5	311.7	308.2	311.7	317.5	330.2
125°	444.5	404.1	388.5	372.9	351.0	338.3	331.3	329.0	331.3	338.3	351.0
127.5°	464.1	424.8	409.2	393.7	369.4	356.7	348.6	345.2	348.6	356.7	369.4
130°	481.4	443.3	427.7	412.1	387.9	374.0	363.7	360.2	363.7	374.0	387.9
132.5°	496.4	459.5	444.5	429.5	405.2	387.9	376.4	371.7	376.4	387.9	405.2
135°	511.4	475.6	460.0	444.5	420.2	402.9	390.2	385.6	390.2	402.9	420.2
137.5°	521.8	487.2	472.8	458.3	434.1	415.6	402.9	398.3	402.9	415.6	434.1
140°	532.2	498.7	484.3	469.9	446.8	428.3	416.8	411.0	416.8	428.3	446.8
142.5°	540.3	508.0	494.7	481.4	458.3	442.2	429.5	424.8	429.5	442.2	458.3
145°	547.2	517.2	503.9	490.6	471.0	453.7	443.3	439.8	443.3	453.7	471.0
147.5°	553.0	525.3	513.8	502.2	482.6	467.6	457.2	454.9	457.2	467.6	482.6
150°	558.8	532.2	521.8	511.4	495.3	480.3	471.0	469.9	471.0	480.3	495.3
152.5°	562.2	540.3	530.5	520.7	506.8	494.1	484.9	484.9	484.9	494.1	506.8
155°	566.8	547.2	539.1	531.0	518.3	506.8	499.9	499.9	499.9	506.8	518.3
157.5°	569.1	553.0	546.6	540.3	528.7	518.3	512.6	511.4	512.6	518.3	528.7
160°	572.6	558.8	553.0	547.2	539.1	529.9	525.3	525.3	525.3	529.9	539.1
162.5°	573.8	562.2	557.6	553.0	546.1	539.1	535.7	535.7	535.7	539.1	546.1
165°	574.9	565.7	561.7	557.6	553.0	547.2	544.9	546.1	544.9	547.2	553.0
167.5°	574.9	568.0	565.1	562.2	558.8	554.1	553.0	554.1	553.0	554.1	558.8
170°	573.8	568.0	566.8	565.7	563.4	559.9	558.8	561.1	558.8	559.9	563.4
172.5°	573.8	569.1	568.6	568.0	566.8	564.5	564.5	565.7	564.5	564.5	566.8
175°	572.6	570.3	569.7	569.1	569.1	566.8	568.0	569.1	568.0	566.8	569.1
177.5°	571.5	570.3	570.3	570.3	570.3	569.1	570.3	571.5	570.3	569.1	570.3
180°	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	520.1	517.9	517.0	514.7	509.3	505.7	501.6	498.9	499.4	497.1	498.5
5°	503.9	503.4	500.3	495.8	488.1	484.0	476.8	473.2	471.4	471.9	469.2
7.5°	490.4	486.3	484.0	476.8	469.6	461.0	455.2	452.0	449.3	446.6	444.8
10°	475.0	471.4	467.8	460.1	450.2	442.1	434.0	430.8	426.7	424.9	423.6
12.5°	458.8	456.5	452.0	443.0	431.7	424.0	414.6	412.8	407.4	403.7	402.8
15°	443.9	442.5	434.4	424.0	412.8	405.1	397.0	391.6	382.5	384.3	381.2
17.5°	428.1	422.2	417.3	403.3	397.9	386.1	376.7	374.0	367.7	363.6	359.5
20°	410.5	406.9	400.6	391.6	378.5	364.9	357.7	353.2	349.6	343.3	341.5
22.5°	393.8	389.3	383.9	372.2	360.9	349.6	339.7	335.6	331.1	326.6	323.9
25°	380.7	374.0	368.1	353.7	342.4	332.9	326.6	319.8	313.5	310.8	309.9
27.5°	360.4	356.4	350.5	337.0	326.6	316.2	310.4	305.9	299.1	295.9	293.2
30°	347.4	339.2	332.5	321.6	311.3	300.0	294.6	289.2	285.1	281.0	277.9
32.5°	329.8	323.4	318.0	307.2	296.8	286.5	280.6	272.5	270.2	267.1	263.4
35°	312.6	308.6	302.7	291.0	279.7	272.5	266.2	258.5	255.8	253.5	250.4
37.5°	296.4	290.5	286.5	275.2	265.3	256.7	251.7	245.4	243.6	240.9	238.6
40°	282.4	276.5	272.5	261.2	250.8	241.8	238.6	232.3	229.6	226.5	225.1
42.5°	266.6	261.6	256.2	248.1	237.3	228.3	221.9	218.3	214.7	213.4	210.7
45°	249.9	245.4	241.3	232.3	221.0	214.7	209.3	204.4	201.6	199.4	197.6
47.5°	235.5	231.4	226.0	216.1	207.1	201.2	195.8	190.8	188.1	185.4	183.2
50°	218.8	216.5	210.7	201.2	192.6	185.9	180.9	176.4	174.6	171.4	167.8
52.5°	203.9	199.8	194.9	187.2	179.5	171.4	164.7	161.9	158.8	157.0	153.8
55°	186.3	183.6	178.2	171.4	163.3	156.5	151.6	148.0	143.9	142.1	138.0
57.5°	171.4	166.5	163.8	155.2	147.5	140.7	137.1	133.5	129.0	126.3	124.5
60°	155.2	150.7	146.6	139.4	134.0	126.8	121.3	118.2	115.0	111.4	109.6
62.5°	139.4	135.8	130.8	125.0	118.2	112.3	108.3	103.8	102.0	98.3	97.0
65°	122.3	119.5	115.5	108.7	103.3	98.3	94.3	90.7	88.9	87.5	86.6
67.5°	106.9	103.3	100.6	94.7	88.9	84.8	82.6	80.3	78.0	76.7	75.3
70°	91.1	88.4	85.7	80.3	76.2	72.6	70.8	69.0	67.7	66.3	65.0
72.5°	74.9	73.5	70.8	67.2	64.1	61.4	60.0	57.7	56.4	54.1	53.2
75°	61.8	59.5	58.2	55.0	52.3	50.1	48.3	45.6	43.8	42.9	42.4
77.5°	48.7	47.8	46.0	43.3	42.0	39.7	37.0	36.1	35.2	35.2	34.7
80°	36.5	35.2	33.8	31.6	30.2	28.4	28.4	28.4	28.0	28.4	28.0
82.5°	24.8	23.9	23.0	21.7	21.2	21.2	21.7	21.7	21.7	21.7	21.7
85°	14.4	14.4	14.4	14.9	14.4	14.4	14.9	15.3	14.9	14.9	14.4
87.5°	6.8	6.8	7.2	7.2	7.7	7.7	7.7	7.7	7.7	7.7	8.1
90°	12.7	13.8	15.0	18.5	21.9	25.4	28.9	27.7	28.9	30.0	31.2
92.5°	58.9	69.3	79.7	116.6	177.8	237.8	214.7	160.5	114.3	88.9	77.3
95°	105.1	127.6	150.1	248.2	420.2	609.5	684.6	555.3	415.6	281.7	220.5
97.5°	121.2	146.0	170.9	267.8	467.6	786.2	1052.9	1088.6	954.7	720.4	568.0
100°	138.5	161.0	183.6	264.4	435.2	738.8	1093.3	1320.7	1361.1	1267.6	1132.5
102.5°	158.2	178.4	198.6	269.0	407.5	669.6	1018.2	1332.2	1496.2	1515.8	1451.1
105°	180.1	198.0	215.9	278.2	397.1	615.3	928.2	1259.5	1500.8	1616.2	1638.2
107.5°	204.3	221.0	237.8	293.2	394.8	576.1	848.5	1155.6	1431.5	1612.8	1702.8
110°	228.6	244.8	260.9	312.9	400.6	555.3	782.7	1058.6	1323.0	1535.4	1680.9

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	254.0	269.6	285.1	332.5	412.1	543.7	738.8	974.4	1215.6	1433.8	1601.2
115°	279.4	295.0	310.5	354.4	424.8	542.6	710.0	909.7	1123.3	1324.2	1493.9
117.5°	304.8	319.2	333.6	377.5	441.0	543.7	690.4	867.0	1051.7	1229.5	1385.3
120°	329.0	343.4	357.9	399.4	459.5	548.4	677.7	834.7	997.4	1153.3	1291.8
122.5°	351.0	366.6	382.1	422.5	476.8	556.4	669.6	808.1	954.7	1092.1	1217.9
125°	372.9	388.5	404.1	444.5	495.3	564.5	662.7	786.2	917.8	1043.6	1154.5
127.5°	393.7	409.2	424.8	464.1	510.3	573.8	659.2	765.4	884.3	998.6	1100.2
130°	412.1	427.7	443.3	481.4	525.3	583.0	655.7	749.2	853.1	957.0	1050.5
132.5°	429.5	444.5	459.5	496.4	539.1	589.9	654.6	734.2	824.3	917.8	1003.2
135°	444.5	460.0	475.6	511.4	550.7	596.9	653.4	721.5	798.9	880.8	955.9
137.5°	458.3	472.8	487.2	521.8	559.9	601.5	651.1	710.0	774.6	843.9	910.9
140°	469.9	484.3	498.7	532.2	566.8	606.1	650.0	699.6	753.9	812.7	868.1
142.5°	481.4	494.7	508.0	540.3	573.8	609.5	647.6	690.4	734.2	782.7	828.9
145°	490.6	503.9	517.2	547.2	578.4	610.7	645.3	682.3	719.2	757.3	794.3
147.5°	502.2	513.8	525.3	553.0	581.8	610.7	641.9	674.2	706.5	737.7	768.9
150°	511.4	521.8	532.2	558.8	583.0	610.7	637.3	666.1	692.7	719.2	743.5
152.5°	520.7	530.5	540.3	562.2	585.3	607.2	631.5	656.9	680.0	701.9	722.7
155°	531.0	539.1	547.2	566.8	585.3	604.9	624.6	647.6	667.3	685.7	703.1
157.5°	540.3	546.6	553.0	569.1	586.5	601.5	618.8	637.3	653.4	669.6	683.4
160°	547.2	553.0	558.8	572.6	586.5	599.2	611.9	626.9	641.9	654.6	666.1
162.5°	553.0	557.6	562.2	573.8	585.3	594.5	604.9	616.5	628.0	638.4	648.8
165°	557.6	561.7	565.7	574.9	583.0	589.9	598.0	607.2	616.5	623.4	631.5
167.5°	562.2	565.1	568.0	574.9	581.8	585.3	591.1	598.0	606.1	611.9	616.5
170°	565.7	566.8	568.0	573.8	578.4	580.7	584.2	589.9	595.7	599.2	603.8
172.5°	568.0	568.6	569.1	573.8	577.2	577.2	578.4	581.8	586.5	588.8	592.2
175°	569.1	569.7	570.3	572.6	574.9	573.8	573.8	576.1	578.4	579.5	581.8
177.5°	570.3	570.3	570.3	571.5	573.8	571.5	570.3	571.5	572.6	573.8	574.9
180°	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	498.0	498.5	497.1	494.4	494.0	494.9	497.6	496.7	494.4	498.5	494.9
5°	470.5	468.3	467.3	468.3	465.5	464.2	466.9	465.5	466.9	467.3	468.7
7.5°	443.9	444.3	441.6	442.1	438.5	439.4	439.4	439.4	440.7	441.6	443.4
10°	420.9	421.8	418.6	419.1	416.4	414.6	415.9	418.6	418.6	418.6	419.5
12.5°	402.4	398.3	396.1	395.6	392.5	391.6	394.3	395.2	397.4	397.4	398.8
15°	379.4	378.5	376.7	376.7	369.0	370.8	371.7	374.9	379.4	375.8	376.7
17.5°	358.6	356.4	354.1	353.2	352.3	349.6	353.2	352.8	355.5	355.9	357.3
20°	340.1	338.3	333.8	334.3	335.2	331.1	333.4	333.4	336.1	338.8	341.9
22.5°	322.1	320.3	318.0	318.9	316.2	315.3	315.3	317.6	320.7	323.0	322.5
25°	308.1	305.0	303.6	302.2	300.9	301.8	300.4	302.7	305.0	306.3	305.0
27.5°	292.3	291.0	288.3	286.9	284.7	285.6	286.5	288.3	289.6	289.6	291.0
30°	277.0	275.2	274.3	272.9	272.9	271.1	271.6	273.4	274.7	276.1	277.9
32.5°	262.1	260.7	259.4	259.4	258.5	258.0	257.6	260.3	260.3	263.0	263.0
35°	249.9	247.7	247.7	245.4	246.3	245.9	245.0	246.8	247.2	249.0	248.6
37.5°	236.4	236.4	235.5	233.2	231.4	231.9	234.1	234.1	235.5	235.0	236.4
40°	222.8	221.9	221.9	220.6	220.1	219.7	220.1	220.6	222.8	222.4	222.8
42.5°	209.3	209.8	207.5	207.5	207.5	206.2	206.6	207.1	208.0	208.9	210.2
45°	196.2	195.3	194.9	194.0	193.1	193.5	193.1	194.9	194.4	195.3	196.7
47.5°	182.2	180.9	180.4	178.6	178.6	179.5	179.1	180.4	180.9	182.2	181.3
50°	168.7	166.9	165.6	166.0	163.3	164.2	164.2	165.6	166.9	167.4	168.3
52.5°	152.9	152.5	152.0	149.8	149.3	148.9	149.3	149.8	151.6	152.9	153.4
55°	137.6	137.1	134.4	133.5	132.2	132.2	133.1	133.5	136.7	137.1	138.9
57.5°	123.6	122.3	119.1	118.6	118.6	118.6	117.3	119.1	120.0	122.3	122.3
60°	108.3	108.3	105.6	105.6	106.0	105.6	105.6	106.0	106.0	107.8	108.7
62.5°	96.1	95.6	95.6	94.7	94.3	94.7	94.3	94.3	94.7	96.1	97.4
65°	85.3	84.8	84.4	83.9	83.0	83.0	83.5	84.4	84.4	85.3	85.7
67.5°	74.9	74.9	74.0	74.0	73.5	73.1	73.5	73.1	74.9	74.9	75.3
70°	64.5	64.1	62.7	62.3	60.9	61.4	61.4	62.7	63.2	64.1	65.0
72.5°	51.9	51.9	51.0	50.1	50.5	49.6	49.6	50.1	50.1	51.4	51.9
75°	42.9	42.0	41.5	42.0	41.5	42.4	41.5	41.5	42.4	42.4	42.4
77.5°	35.2	35.2	34.7	34.7	35.2	34.7	35.2	35.2	35.2	34.7	35.2
80°	28.9	28.4	28.4	28.4	28.0	28.0	28.0	28.0	28.0	28.0	28.0
82.5°	21.7	21.7	21.2	21.7	21.7	21.2	21.7	21.2	21.2	21.7	21.7
85°	14.4	15.3	14.4	14.4	14.9	14.9	15.3	14.9	15.3	14.4	14.9
87.5°	7.7	8.1	8.1	7.7	7.7	8.1	8.1	8.1	8.6	7.7	8.1
90°	32.4	33.5	32.3	33.5	34.6	33.5	34.6	33.5	32.3	33.5	32.4
92.5°	73.3	69.3	67.0	62.3	63.5	61.2	63.5	62.3	67.0	69.3	73.3
95°	199.7	178.9	157.0	146.6	138.5	133.9	138.5	146.6	157.0	178.9	199.7
97.5°	502.2	436.4	359.0	315.2	287.5	274.8	287.5	315.2	359.0	436.4	502.2
100°	1050.6	968.6	852.0	767.7	722.7	723.8	722.7	767.7	852.0	968.6	1050.6
102.5°	1406.7	1362.3	1278.0	1215.6	1179.8	1146.4	1179.8	1215.6	1278.0	1362.3	1406.7
105°	1623.2	1608.1	1555.0	1511.2	1474.2	1468.5	1474.2	1511.2	1555.0	1608.1	1623.2
107.5°	1718.4	1734.0	1727.1	1706.3	1691.3	1678.6	1691.3	1706.3	1727.1	1734.0	1718.4
110°	1721.3	1761.7	1794.0	1803.3	1800.9	1798.6	1800.9	1803.3	1794.0	1761.7	1721.3

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1656.0	1710.9	1776.7	1810.2	1821.7	1822.9	1821.7	1810.2	1776.7	1710.9	1656.0
115°	1556.8	1619.7	1706.3	1757.1	1780.2	1785.9	1780.2	1757.1	1706.3	1619.7	1556.8
117.5°	1450.6	1515.8	1605.8	1662.4	1697.0	1705.1	1697.0	1662.4	1605.8	1515.8	1450.6
120°	1350.1	1408.4	1499.6	1564.3	1592.0	1598.9	1592.0	1564.3	1499.6	1408.4	1350.1
122.5°	1271.1	1324.2	1402.7	1459.2	1490.4	1499.6	1490.4	1459.2	1402.7	1324.2	1271.1
125°	1200.6	1246.8	1320.7	1371.5	1400.3	1408.4	1400.3	1371.5	1320.7	1246.8	1200.6
127.5°	1142.9	1185.6	1252.6	1296.4	1323.0	1329.9	1323.0	1296.4	1252.6	1185.6	1142.9
130°	1089.8	1129.1	1190.2	1231.8	1256.0	1265.3	1256.0	1231.8	1190.2	1129.1	1089.8
132.5°	1040.2	1077.1	1133.7	1175.2	1196.0	1201.8	1196.0	1175.2	1133.7	1077.1	1040.2
135°	988.8	1021.7	1078.3	1112.9	1133.7	1141.8	1133.7	1112.9	1078.3	1021.7	988.8
137.5°	940.3	969.7	1018.2	1054.0	1071.3	1078.3	1071.3	1054.0	1018.2	969.7	940.3
140°	893.0	917.8	961.7	994.0	1012.5	1011.3	1012.5	994.0	961.7	917.8	893.0
142.5°	849.7	870.5	906.2	934.0	950.1	949.0	950.1	934.0	906.2	870.5	849.7
145°	811.0	827.7	856.6	880.8	890.1	892.4	890.1	880.8	856.6	827.7	811.0
147.5°	781.0	793.1	816.2	833.5	842.7	843.9	842.7	833.5	816.2	793.1	781.0
150°	754.4	765.4	782.7	795.4	802.3	802.3	802.3	795.4	782.7	765.4	754.4
152.5°	731.4	740.0	752.7	764.2	767.7	767.7	767.7	764.2	752.7	740.0	731.4
155°	710.0	716.9	727.3	736.5	738.8	740.0	738.8	736.5	727.3	716.9	710.0
157.5°	689.2	695.0	704.2	711.1	713.5	713.5	713.5	711.1	704.2	695.0	689.2
160°	670.2	674.2	682.3	689.2	689.2	688.1	689.2	689.2	682.3	674.2	670.2
162.5°	652.2	655.7	660.3	666.1	666.1	665.0	666.1	666.1	660.3	655.7	652.2
165°	634.4	637.3	641.9	646.5	645.3	645.3	645.3	646.5	641.9	637.3	634.4
167.5°	618.8	621.1	623.4	626.9	625.7	625.7	625.7	626.9	623.4	621.1	618.8
170°	605.0	606.1	607.2	609.5	608.4	608.4	608.4	609.5	607.2	606.1	605.0
172.5°	592.8	593.4	593.4	595.7	593.4	592.2	593.4	595.7	593.4	593.4	592.8
175°	581.8	581.8	581.8	583.0	581.8	580.7	581.8	583.0	581.8	581.8	581.8
177.5°	574.9	574.9	573.8	574.9	572.6	572.6	572.6	574.9	573.8	574.9	574.9
180°	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9	526.9
2.5°	498.5	500.3	498.5	494.9	498.5	500.7	503.0	506.6	508.4	508.4	511.1
5°	470.1	473.7	472.3	471.4	475.0	477.3	480.9	485.4	490.4	493.5	497.1
7.5°	444.8	447.0	449.3	449.3	452.9	457.9	463.3	468.7	475.0	479.5	482.2
10°	422.7	424.5	425.8	427.7	433.1	438.5	445.7	452.5	457.9	462.8	467.3
12.5°	401.5	404.2	407.4	408.7	412.8	419.5	426.3	434.4	443.0	448.0	452.5
15°	381.2	382.5	386.1	390.2	393.8	401.0	409.6	418.2	425.4	433.1	437.1
17.5°	360.4	360.9	370.4	368.1	379.8	386.6	391.1	399.2	411.0	417.3	423.6
20°	340.1	344.6	348.7	351.0	357.3	364.9	378.0	384.3	393.8	399.7	405.1
22.5°	324.3	331.1	331.1	336.5	339.7	346.9	356.4	368.6	378.9	383.0	390.7
25°	310.4	313.5	318.9	320.7	326.6	332.9	339.2	352.3	363.6	369.0	374.4
27.5°	292.3	296.4	303.6	303.6	311.3	318.0	325.7	334.3	345.5	353.2	359.1
30°	278.3	282.4	285.6	290.5	293.7	300.0	313.5	319.8	329.8	336.5	343.7
32.5°	265.3	268.4	271.1	276.5	280.1	287.4	294.6	305.9	314.4	320.7	328.4
35°	250.8	254.0	257.6	261.6	267.1	273.8	280.6	290.1	298.6	304.5	310.8
37.5°	237.3	239.5	245.0	247.7	252.2	258.5	267.1	277.0	284.7	289.2	295.5
40°	224.2	226.0	230.1	235.0	238.2	243.1	252.2	260.7	270.2	275.6	280.6
42.5°	210.2	212.5	216.1	221.0	226.0	231.4	236.4	246.3	254.9	259.4	264.8
45°	198.0	199.4	202.1	207.1	212.0	216.1	223.8	232.8	240.9	244.5	250.4
47.5°	183.6	185.0	189.0	191.3	196.7	202.1	209.8	218.8	226.0	229.6	235.0
50°	168.7	170.1	172.8	177.7	181.3	187.2	194.0	201.6	210.7	215.6	218.8
52.5°	154.3	157.0	159.2	163.3	167.8	173.7	180.0	187.2	194.9	199.8	203.5
55°	139.8	142.1	144.8	147.1	152.5	157.9	165.1	171.9	178.6	183.2	187.2
57.5°	123.6	126.8	129.5	134.0	138.0	142.6	150.7	156.1	164.2	167.4	171.0
60°	109.6	112.8	115.0	118.6	122.3	128.1	133.5	140.3	147.1	151.1	155.6
62.5°	97.9	99.2	100.6	104.2	107.8	113.2	118.6	125.4	132.6	134.9	138.5
65°	86.2	87.5	89.8	92.9	95.6	98.8	104.7	110.1	116.8	120.4	121.8
67.5°	76.2	77.6	78.0	80.3	82.6	86.2	89.3	94.7	101.0	103.3	106.0
70°	65.0	67.2	67.7	69.5	70.4	72.6	76.2	80.3	85.3	89.3	91.6
72.5°	51.9	55.0	55.9	58.6	60.0	62.3	65.0	68.1	71.3	73.1	74.9
75°	42.4	43.3	43.8	46.0	48.3	51.4	52.8	54.6	57.3	59.5	61.4
77.5°	35.2	35.6	36.1	36.1	36.5	38.3	41.1	43.3	45.1	46.0	47.4
80°	28.4	28.0	28.0	28.4	28.4	28.4	29.3	32.5	33.4	35.6	35.2
82.5°	22.1	21.2	21.7	21.2	21.2	21.2	21.2	21.7	21.7	23.0	23.9
85°	14.4	14.9	14.4	14.4	14.0	14.4	14.0	14.0	13.5	13.5	13.1
87.5°	7.7	8.1	7.7	7.7	7.2	7.7	7.2	7.2	6.8	6.8	5.9
90°	31.2	30.0	28.9	27.7	28.9	25.4	21.9	18.5	15.0	13.8	12.7
92.5°	77.3	88.9	114.3	160.5	214.7	237.8	177.8	116.6	79.7	69.3	58.9
95°	220.5	281.7	415.6	555.3	684.6	609.5	420.2	248.2	150.1	127.6	105.1
97.5°	568.0	720.4	954.7	1088.6	1052.9	786.2	467.6	267.8	170.9	146.0	121.2
100°	1132.5	1267.6	1361.1	1320.7	1093.3	738.8	435.2	264.4	183.6	161.0	138.5
102.5°	1451.1	1515.8	1496.2	1332.2	1018.2	669.6	407.5	269.0	198.6	178.4	158.2
105°	1638.2	1616.2	1500.8	1259.5	928.2	615.3	397.1	278.2	215.9	198.0	180.1
107.5°	1702.8	1612.8	1431.5	1155.6	848.5	576.1	394.8	293.2	237.8	221.0	204.3
110°	1680.9	1535.4	1323.0	1058.6	782.7	555.3	400.6	312.9	260.9	244.8	228.6

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1601.2	1433.8	1215.6	974.4	738.8	543.7	412.1	332.5	285.1	269.6	254.0
115°	1493.9	1324.2	1123.3	909.7	710.0	542.6	424.8	354.4	310.5	295.0	279.4
117.5°	1385.3	1229.5	1051.7	867.0	690.4	543.7	441.0	377.5	333.6	319.2	304.8
120°	1291.8	1153.3	997.4	834.7	677.7	548.4	459.5	399.4	357.9	343.4	329.0
122.5°	1217.9	1092.1	954.7	808.1	669.6	556.4	476.8	422.5	382.1	366.6	351.0
125°	1154.5	1043.6	917.8	786.2	662.7	564.5	495.3	444.5	404.1	388.5	372.9
127.5°	1100.2	998.6	884.3	765.4	659.2	573.8	510.3	464.1	424.8	409.2	393.7
130°	1050.5	957.0	853.1	749.2	655.7	583.0	525.3	481.4	443.3	427.7	412.1
132.5°	1003.2	917.8	824.3	734.2	654.6	589.9	539.1	496.4	459.5	444.5	429.5
135°	955.9	880.8	798.9	721.5	653.4	596.9	550.7	511.4	475.6	460.0	444.5
137.5°	910.9	843.9	774.6	710.0	651.1	601.5	559.9	521.8	487.2	472.8	458.3
140°	868.1	812.7	753.9	699.6	650.0	606.1	566.8	532.2	498.7	484.3	469.9
142.5°	828.9	782.7	734.2	690.4	647.6	609.5	573.8	540.3	508.0	494.7	481.4
145°	794.3	757.3	719.2	682.3	645.3	610.7	578.4	547.2	517.2	503.9	490.6
147.5°	768.9	737.7	706.5	674.2	641.9	610.7	581.8	553.0	525.3	513.8	502.2
150°	743.5	719.2	692.7	666.1	637.3	610.7	583.0	558.8	532.2	521.8	511.4
152.5°	722.7	701.9	680.0	656.9	631.5	607.2	585.3	562.2	540.3	530.5	520.7
155°	703.1	685.7	667.3	647.6	624.6	604.9	585.3	566.8	547.2	539.1	531.0
157.5°	683.4	669.6	653.4	637.3	618.8	601.5	586.5	569.1	553.0	546.6	540.3
160°	666.1	654.6	641.9	626.9	611.9	599.2	586.5	572.6	558.8	553.0	547.2
162.5°	648.8	638.4	628.0	616.5	604.9	594.5	585.3	573.8	562.2	557.6	553.0
165°	631.5	623.4	616.5	607.2	598.0	589.9	583.0	574.9	565.7	561.7	557.6
167.5°	616.5	611.9	606.1	598.0	591.1	585.3	581.8	574.9	568.0	565.1	562.2
170°	603.8	599.2	595.7	589.9	584.2	580.7	578.4	573.8	568.0	566.8	565.7
172.5°	592.2	588.8	586.5	581.8	578.4	577.2	577.2	573.8	569.1	568.6	568.0
175°	581.8	579.5	578.4	576.1	573.8	573.8	574.9	572.6	570.3	569.7	569.1
177.5°	574.9	573.8	572.6	571.5	570.3	571.5	573.8	571.5	570.3	570.3	570.3
180°	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3	570.3

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	526.9	526.9	526.9	526.9
2.5°	513.4	516.5	522.8	528.2
5°	502.5	507.5	517.0	526.4
7.5°	489.5	497.1	509.3	522.4
10°	476.8	486.7	501.6	517.0
12.5°	464.2	474.6	490.4	510.2
15°	449.3	460.1	479.1	503.0
17.5°	436.2	450.7	467.8	491.7
20°	422.2	433.1	455.2	480.4
22.5°	404.6	422.7	443.4	470.1
25°	390.7	406.4	427.2	457.4
27.5°	373.5	392.0	417.3	443.9
30°	359.5	374.9	398.3	430.4
32.5°	343.3	361.3	385.7	417.3
35°	328.9	344.2	367.2	399.2
37.5°	311.7	328.4	354.1	382.5
40°	296.8	313.1	337.4	364.0
42.5°	278.8	295.9	320.3	342.8
45°	264.4	280.1	299.5	320.3
47.5°	246.8	263.4	282.4	296.8
50°	231.0	246.3	261.2	273.4
52.5°	213.8	227.8	241.3	250.4
55°	198.0	208.9	219.7	226.0
57.5°	179.5	189.9	198.9	202.5
60°	163.3	171.9	177.7	181.8
62.5°	146.2	152.5	157.0	159.2
65°	129.5	134.0	136.2	138.5
67.5°	112.3	116.4	117.7	120.4
70°	94.3	98.8	99.7	101.0
72.5°	80.7	80.7	82.6	84.4
75°	64.5	65.4	66.3	66.3
77.5°	50.5	50.5	51.4	51.9
80°	37.0	37.4	37.4	37.0
82.5°	25.3	26.2	25.3	24.8
85°	14.0	15.8	14.9	14.9
87.5°	5.9	5.9	6.8	5.9
90°	10.4	6.9	4.6	2.3
92.5°	47.3	36.9	25.4	17.3
95°	75.0	55.4	42.7	39.3
97.5°	91.2	73.9	63.5	62.3
100°	110.8	94.7	86.6	85.4
102.5°	133.9	118.9	112.0	109.7
105°	158.2	144.3	137.4	133.9
107.5°	183.6	169.7	162.8	159.3
110°	209.0	196.3	190.5	187.0

TEST NUMBER: P1012456

CATALOG NUMBER: S123RDIP-B340D1195UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	234.4	221.7	215.9	212.4
115°	259.8	248.2	241.3	236.7
117.5°	282.8	272.5	266.7	260.9
120°	307.1	295.5	289.8	286.3
122.5°	330.2	317.5	311.7	308.2
125°	351.0	338.3	331.3	329.0
127.5°	369.4	356.7	348.6	345.2
130°	387.9	374.0	363.7	360.2
132.5°	405.2	387.9	376.4	371.7
135°	420.2	402.9	390.2	385.6
137.5°	434.1	415.6	402.9	398.3
140°	446.8	428.3	416.8	411.0
142.5°	458.3	442.2	429.5	424.8
145°	471.0	453.7	443.3	439.8
147.5°	482.6	467.6	457.2	454.9
150°	495.3	480.3	471.0	469.9
152.5°	506.8	494.1	484.9	484.9
155°	518.3	506.8	499.9	499.9
157.5°	528.7	518.3	512.6	511.4
160°	539.1	529.9	525.3	525.3
162.5°	546.1	539.1	535.7	535.7
165°	553.0	547.2	544.9	546.1
167.5°	558.8	554.1	553.0	554.1
170°	563.4	559.9	558.8	561.1
172.5°	566.8	564.5	564.5	565.7
175°	569.1	566.8	568.0	569.1
177.5°	570.3	569.1	570.3	571.5
180°	570.3	570.3	570.3	570.3

(END OF REPORT)