

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: P1012408

Luminaire Tested: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1012408
REPORT IS A COMBINATION OF REPORTS P993121 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4
Description: Define 3 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

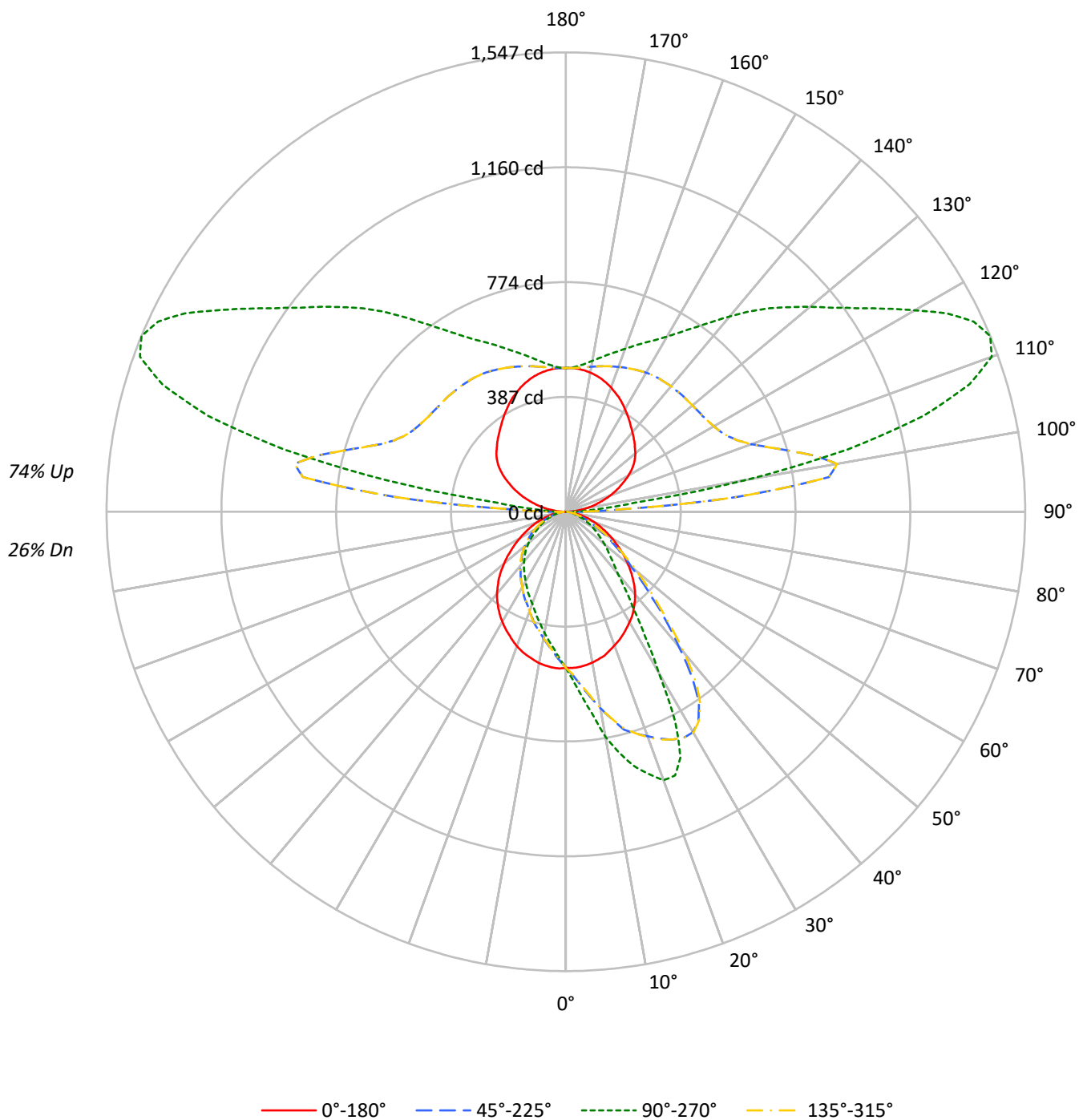
Lumens per Lamp: N/A
Luminaire Lumens: 4951.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.2 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
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: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

Luminous Intensity Polar Plot



TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	35	35	35
1	93	89	85	82	83	79	76	74	62	60	58	46	45	43	31	30	30
2	85	78	72	67	75	70	65	61	55	51	49	41	38	37	28	26	25
3	77	69	62	56	69	62	56	51	48	44	41	36	34	31	25	23	22
4	71	61	53	48	63	55	48	43	43	39	35	32	29	27	22	21	19
5	65	54	47	41	58	49	42	37	39	34	30	29	26	24	20	18	17
6	60	49	41	35	53	44	37	32	35	30	26	26	23	21	18	16	15
7	55	44	36	31	49	39	33	28	31	27	23	24	21	18	17	15	13
8	51	40	32	27	46	36	29	25	29	24	21	22	19	16	15	13	12
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	14	12	11
10	44	33	26	22	40	30	24	20	24	20	16	18	15	13	13	11	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5654	5654	5654	5654
5°	5658	6512	5673	4831
10°	5609	7861	5633	4220
15°	5551	8922	5551	3721
20°	5437	9623	5468	3301
25°	5353	9143	5343	3012
30°	5256	6335	5245	2729
35°	5140	4067	5117	2516
40°	4994	2872	4970	2304
45°	4742	2299	4736	2097
50°	4431	1922	4417	1856
55°	4082	1585	4050	1574
60°	3739	1310	3702	1338
65°	3338	1049	3360	1135
70°	2965	729	3045	918
75°	2514	541	2617	706
80°	2003	358	2172	529
85°	1422	168	1556	328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°

Vertical Angle: 45°

Luminance: 7549 cd/sqm

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.0
10°-20°	161.5	3.3
20°-30°	254.3	5.1
30°-40°	264.5	5.3
40°-50°	226.3	4.6
50°-60°	172.5	3.5
60°-70°	110.5	2.2
70°-80°	52.9	1.1
80°-90°	16.6	0.3
90°-100°	262.6	5.3
100°-110°	768.8	15.5
110°-120°	750.8	15.2
120°-130°	597.9	12.1
130°-140°	471.8	9.5
140°-150°	351.9	7.1
150°-160°	245.4	5.0
160°-170°	144.1	2.9
170°-180°	46.9	0.9
0°-30°	467.4	9.4
0°-40°	731.9	14.8
0°-60°	1130.6	22.8
0°-90°	1310.7	26.5
90°-120°	1782.3	36.0
90°-150°	3203.9	64.7
90°-180°	3640.0	73.5
0°-180°	4951.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	525	525	525	525	525	
5°	525	624	526	463	525	50
15°	502	886	502	370	502	141
25°	456	913	455	301	456	210
35°	398	396	396	245	398	249
45°	319	211	319	193	319	246
55°	225	133	224	132	225	202
65°	138	76	139	83	138	138
75°	66	32	69	42	66	71
85°	15	8	16	15	15	17
90°	2	28	2	28	2	3
95°	33	114	33	114	33	35
105°	114	1246	114	1246	114	121
115°	201	1516	201	1516	201	199
125°	279	1195	279	1195	279	248
135°	327	969	327	969	327	253
145°	373	757	373	757	373	234
155°	424	628	424	628	424	195
165°	463	548	463	548	463	131
175°	483	493	483	493	483	46
180°	484	484	484	484	484	

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	526.6	530.2	532.9	534.7	539.2	541.9	544.2	548.2	548.2	549.1	550.9
5°	524.8	532.5	537.9	545.1	554.5	559.0	565.3	570.7	578.4	582.4	586.5
7.5°	520.8	531.6	542.8	553.6	567.6	576.6	582.9	596.8	606.7	618.8	628.3
10°	515.4	530.2	544.6	561.3	580.2	593.6	603.1	621.5	640.4	657.5	671.9
12.5°	508.6	526.6	547.3	567.6	594.1	607.6	622.9	645.8	672.8	694.4	713.7
15°	501.5	522.1	545.5	570.3	603.5	622.4	644.5	672.4	702.5	733.5	760.1
17.5°	490.2	516.3	542.4	578.4	617.5	628.7	647.6	685.8	723.2	751.1	783.4
20°	479.0	508.2	541.0	573.4	615.7	641.8	659.3	699.8	739.8	773.5	804.6
22.5°	468.6	499.2	533.4	574.3	613.9	640.0	662.0	704.3	750.6	788.4	826.6
25°	456.0	489.3	527.1	565.8	613.9	633.7	658.0	707.0	756.0	799.6	846.8
27.5°	442.5	476.3	513.6	553.2	597.2	626.5	650.3	702.9	762.7	809.5	858.1
30°	429.0	463.7	499.7	535.2	584.7	612.5	640.0	698.0	766.3	819.9	857.2
32.5°	416.0	445.2	480.8	515.4	564.4	595.0	626.0	693.0	767.7	812.7	830.7
35°	398.0	428.6	457.4	494.3	543.7	573.9	610.3	692.6	761.8	789.7	780.7
37.5°	381.4	407.0	434.4	467.3	518.1	557.2	595.0	680.9	742.5	744.3	693.5
40°	362.9	384.1	407.0	441.6	496.5	535.2	576.1	662.9	707.4	680.9	591.4
42.5°	341.8	360.7	378.7	412.4	472.2	515.4	559.5	640.4	656.6	595.4	502.4
45°	319.3	334.6	351.2	386.8	446.6	489.3	533.4	605.8	589.2	502.8	414.2
47.5°	295.9	309.0	325.2	357.5	419.2	462.8	504.6	556.3	514.0	421.4	347.2
50°	272.5	282.9	298.6	331.9	391.3	430.8	469.5	503.3	443.9	361.6	286.9
52.5°	249.6	257.7	273.9	302.2	359.8	397.6	425.4	438.5	378.2	298.6	249.2
55°	225.3	234.3	245.1	273.9	331.0	358.9	377.3	376.9	314.8	253.2	206.0
57.5°	201.9	210.0	219.5	248.3	294.6	313.5	329.2	321.6	262.6	207.3	176.7
60°	181.2	185.7	196.1	220.4	255.4	271.6	280.6	267.6	214.5	174.9	146.2
62.5°	158.8	163.3	171.8	194.7	216.3	224.9	232.5	215.9	177.2	142.6	125.0
65°	138.1	143.9	149.3	167.8	179.4	189.8	188.9	174.9	138.5	116.0	101.6
67.5°	120.1	122.3	126.8	138.1	143.5	151.1	151.6	135.8	111.5	94.4	85.9
70°	100.7	103.0	106.1	111.5	115.1	116.9	116.0	102.1	84.1	73.8	66.1
72.5°	84.1	83.7	85.9	85.9	89.5	89.0	86.3	75.6	63.9	55.3	50.8
75°	66.1	66.6	67.0	66.1	64.8	63.0	60.7	52.6	45.0	40.9	36.9
77.5°	51.7	50.8	51.3	48.1	46.3	44.5	41.4	37.3	31.0	30.1	28.3
80°	36.9	36.4	36.0	34.6	30.6	28.8	26.5	24.3	22.9	22.0	21.6
82.5°	24.7	24.7	23.8	21.1	18.9	17.5	17.1	16.2	14.8	14.8	14.4
85°	14.8	14.4	13.5	10.8	9.4	9.4	9.4	9.4	8.5	8.5	8.1
87.5°	5.8	5.4	4.0	4.0	3.6	3.6	3.6	3.1	3.1	2.7	2.7
90°	2.0	3.9	5.9	8.8	10.8	11.8	12.7	15.7	18.6	21.6	24.5
92.5°	14.7	21.6	31.3	40.2	50.0	58.8	67.6	98.9	150.9	201.8	182.2
95°	33.3	36.2	47.0	63.7	89.1	108.2	127.4	210.6	356.6	517.3	580.9
97.5°	52.9	53.9	62.7	77.4	102.9	124.0	145.0	227.3	396.8	667.1	893.4
100°	72.5	73.5	80.3	94.0	117.6	136.7	155.8	224.3	369.3	627.0	927.7
102.5°	93.1	95.0	100.9	113.6	134.2	151.4	168.5	228.3	345.8	568.2	864.1
105°	113.6	116.6	122.5	134.2	152.8	168.0	183.2	236.1	337.0	522.2	787.6
107.5°	135.2	138.1	144.0	155.8	173.4	187.6	201.8	248.8	335.0	488.8	720.0
110°	158.7	161.6	166.5	177.3	194.0	207.7	221.4	265.5	339.9	471.2	664.2

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	180.3	183.2	188.1	198.9	215.5	228.8	242.0	282.1	349.7	461.4	627.0
115°	200.8	204.7	210.6	220.4	237.1	250.3	263.5	300.8	360.5	460.4	602.5
117.5°	221.4	226.3	231.2	240.0	258.6	270.8	283.1	320.3	374.2	461.4	585.8
120°	243.0	245.9	250.8	260.6	279.2	291.4	303.7	339.0	389.9	465.3	575.1
122.5°	261.6	264.5	269.4	280.2	297.8	311.0	324.3	358.6	404.6	472.2	568.2
125°	279.2	281.2	287.0	297.8	316.4	329.6	342.9	377.2	420.3	479.1	562.3
127.5°	292.9	295.9	302.7	313.5	334.1	347.3	360.5	393.8	433.0	486.9	559.4
130°	305.7	308.6	317.4	329.2	349.7	363.0	376.2	408.5	445.7	494.7	556.4
132.5°	315.4	319.4	329.2	343.9	364.4	377.2	389.9	421.3	457.5	500.6	555.5
135°	327.2	331.1	341.9	356.6	377.2	390.4	403.6	434.0	467.3	506.5	554.5
137.5°	338.0	341.9	352.7	368.4	388.9	401.2	413.4	442.8	475.1	510.4	552.5
140°	348.8	353.7	363.5	379.1	398.7	411.0	423.2	451.6	481.0	514.3	551.5
142.5°	360.5	364.4	375.2	388.9	408.5	419.8	431.0	458.5	486.9	517.3	549.6
145°	373.2	376.2	385.0	399.7	416.4	427.6	438.9	464.4	490.8	518.2	547.6
147.5°	386.0	387.9	396.8	409.5	426.2	436.0	445.7	469.3	493.7	518.2	544.7
150°	398.7	399.7	407.5	420.3	434.0	442.8	451.6	474.2	494.7	518.2	540.8
152.5°	411.5	411.5	419.3	430.1	441.8	450.2	458.5	477.1	496.7	515.3	535.9
155°	424.2	424.2	430.1	439.9	450.6	457.5	464.4	481.0	496.7	513.3	530.0
157.5°	434.0	435.0	439.9	448.7	458.5	463.9	469.3	483.0	497.7	510.4	525.1
160°	445.7	445.7	449.7	457.5	464.4	469.3	474.2	485.9	497.7	508.4	519.2
162.5°	454.6	454.6	457.5	463.4	469.3	473.2	477.1	486.9	496.7	504.5	513.3
165°	463.4	462.4	464.4	469.3	473.2	476.6	480.0	487.9	494.7	500.6	507.5
167.5°	470.2	469.3	470.2	474.2	477.1	479.6	482.0	487.9	493.7	496.7	501.6
170°	476.1	474.2	475.1	478.1	480.0	481.0	482.0	486.9	490.8	492.8	495.7
172.5°	480.0	479.1	479.1	481.0	482.0	482.5	483.0	486.9	489.8	489.8	490.8
175°	483.0	482.0	481.0	483.0	483.0	483.4	483.9	485.9	487.9	486.9	486.9
177.5°	484.9	483.9	483.0	483.9	483.9	483.9	483.9	484.9	486.9	484.9	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	554.5	554.5	558.6	562.6	560.4	561.7	566.7	564.9	568.5	568.0	569.4
5°	596.3	601.3	605.3	613.9	615.2	613.9	622.4	624.7	628.7	623.8	626.0
7.5°	643.6	653.9	663.8	676.4	680.4	681.3	685.8	692.1	697.5	687.6	692.6
10°	689.4	705.2	725.4	736.7	746.6	750.2	753.8	757.8	764.1	769.9	765.4
12.5°	738.9	761.8	781.2	801.4	813.6	812.2	822.6	825.3	830.2	831.6	833.4
15°	779.4	811.8	823.9	854.0	856.7	865.7	877.4	887.8	889.1	886.4	886.4
17.5°	818.1	846.0	867.5	891.8	896.8	904.4	919.3	924.2	926.0	925.6	925.6
20°	849.5	868.0	904.4	924.7	932.7	942.6	953.0	959.3	960.6	962.4	959.7
22.5°	870.2	898.1	927.8	944.4	951.2	954.8	961.5	963.3	961.1	961.5	962.0
25°	886.4	913.9	931.8	936.3	935.9	931.4	926.5	917.9	917.0	913.4	906.2
27.5°	890.9	901.3	899.0	880.6	862.1	860.3	830.7	814.5	796.0	798.7	788.4
30°	866.6	853.1	821.2	774.4	755.1	723.6	690.3	655.7	642.2	627.4	654.8
32.5°	807.3	759.2	702.5	641.8	609.4	581.5	546.0	520.8	506.4	494.3	517.6
35°	717.8	642.7	567.6	510.0	483.5	458.3	425.0	412.4	394.4	396.2	398.5
37.5°	602.6	519.9	463.2	406.6	389.0	378.7	354.4	335.1	328.8	327.0	327.0
40°	494.7	426.8	376.4	331.9	318.4	309.9	290.5	281.5	274.8	273.0	275.2
42.5°	409.3	351.2	312.1	282.4	273.0	262.2	254.1	242.9	241.5	238.4	242.4
45°	343.6	293.2	264.0	242.4	234.3	230.3	221.3	214.5	211.8	211.4	214.5
47.5°	291.4	252.3	226.7	213.2	206.9	202.8	195.2	192.5	189.8	190.7	189.3
50°	244.7	215.4	198.8	186.6	182.6	178.5	173.6	170.9	169.5	169.5	169.1
52.5°	210.0	185.7	174.9	163.7	161.9	159.7	154.3	152.5	150.2	149.8	151.6
55°	179.9	163.3	152.5	145.7	143.9	139.4	137.2	134.9	133.6	132.7	133.1
57.5°	153.8	141.2	134.0	128.2	125.0	123.2	119.2	118.7	117.8	117.8	117.4
60°	132.2	123.2	114.7	111.1	108.8	106.6	106.1	103.4	102.1	103.0	102.5
62.5°	112.0	104.8	99.8	95.8	94.4	92.6	91.3	90.4	89.0	89.5	89.5
65°	93.5	87.7	84.1	80.5	80.1	78.3	77.8	76.9	76.9	76.5	77.4
67.5°	76.9	72.9	69.7	67.5	66.1	66.6	64.8	63.4	63.4	63.0	64.3
70°	61.2	58.9	55.8	53.1	51.3	51.3	49.0	48.6	48.6	48.6	48.1
72.5°	47.2	43.2	41.8	40.9	40.9	40.9	40.0	40.0	39.6	40.0	39.6
75°	35.1	34.6	33.7	33.3	33.3	32.8	32.4	32.4	32.4	32.4	32.4
77.5°	27.4	27.4	26.5	26.1	26.1	26.1	25.6	25.6	25.2	25.2	25.2
80°	20.2	20.2	19.3	19.3	19.3	18.9	18.9	18.9	19.3	18.9	18.9
82.5°	13.9	13.9	13.5	13.9	13.5	13.0	13.0	13.0	12.6	13.0	13.0
85°	8.1	8.1	7.6	7.2	7.6	7.6	7.2	7.6	7.2	7.6	7.2
87.5°	3.1	2.7	2.7	2.7	2.2	2.7	2.2	2.2	2.7	2.2	2.7
90°	23.5	24.5	25.5	26.5	27.4	28.4	27.4	28.4	29.4	28.4	29.4
92.5°	136.2	97.0	75.4	65.6	62.2	58.8	56.8	52.9	53.9	51.9	53.9
95°	471.2	352.7	239.0	187.1	169.4	151.8	133.2	124.4	117.6	113.6	117.6
97.5°	923.8	810.2	611.3	482.0	426.2	370.3	304.7	267.4	243.9	233.2	243.9
100°	1120.7	1155.0	1075.7	961.0	891.4	821.9	723.0	651.5	613.3	614.2	613.3
102.5°	1130.5	1269.6	1286.3	1231.4	1193.7	1156.0	1084.5	1031.6	1001.2	972.8	1001.2
105°	1068.8	1273.6	1371.5	1390.1	1377.4	1364.7	1319.6	1282.4	1251.0	1246.1	1251.0
107.5°	980.6	1214.8	1368.6	1445.0	1458.2	1471.4	1465.6	1447.9	1435.2	1424.4	1435.2
110°	898.3	1122.7	1302.9	1426.4	1460.7	1495.0	1522.4	1530.2	1528.3	1526.3	1528.3

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	826.8	1031.6	1216.7	1358.8	1405.3	1451.8	1507.7	1536.1	1545.9	1546.9	1545.9
115°	772.0	953.2	1123.7	1267.7	1321.1	1374.5	1447.9	1491.0	1510.6	1515.5	1510.6
117.5°	735.7	892.5	1043.3	1175.6	1230.9	1286.3	1362.7	1410.7	1440.1	1447.0	1440.1
120°	708.3	846.4	978.7	1096.2	1145.7	1195.2	1272.6	1327.4	1350.9	1356.8	1350.9
122.5°	685.8	810.2	926.8	1033.5	1078.6	1123.7	1190.3	1238.3	1264.7	1272.6	1264.7
125°	667.1	778.8	885.6	979.7	1018.8	1058.0	1120.7	1163.8	1188.3	1195.2	1188.3
127.5°	649.5	750.4	847.4	933.6	969.8	1006.1	1062.9	1100.2	1122.7	1128.6	1122.7
130°	635.8	724.0	812.1	891.5	924.8	958.1	1010.0	1045.3	1065.9	1073.7	1065.9
132.5°	623.1	699.5	778.8	851.3	882.6	914.0	962.0	997.3	1014.9	1019.8	1014.9
135°	612.3	677.9	747.5	811.2	839.1	867.0	915.0	944.4	962.0	968.9	962.0
137.5°	602.5	657.3	716.1	772.9	797.9	822.9	864.1	894.4	909.1	915.0	909.1
140°	593.7	639.7	689.7	736.7	757.8	778.8	816.1	843.5	859.2	858.2	859.2
142.5°	585.8	623.1	664.2	703.4	721.0	738.7	769.0	792.5	806.3	805.3	806.3
145°	579.0	610.3	642.7	674.0	688.2	702.4	726.9	747.5	755.3	757.3	755.3
147.5°	572.1	599.5	626.0	652.5	662.8	673.0	692.6	707.3	715.1	716.1	715.1
150°	565.3	587.8	610.3	630.9	640.2	649.5	664.2	675.0	680.9	680.9	680.9
152.5°	557.4	577.0	595.6	613.3	620.6	628.0	638.7	648.5	651.5	651.5	651.5
155°	549.6	566.2	581.9	596.6	602.5	608.4	617.2	625.0	627.0	628.0	627.0
157.5°	540.8	554.5	568.2	580.0	584.9	589.8	597.6	603.5	605.4	605.4	605.4
160°	532.0	544.7	555.5	565.3	568.7	572.1	579.0	584.9	584.9	583.9	584.9
162.5°	523.1	532.9	541.7	550.6	553.5	556.4	560.4	565.3	565.3	564.3	565.3
165°	515.3	523.1	529.0	535.9	538.3	540.8	544.7	548.6	547.6	547.6	547.6
167.5°	507.5	514.3	519.2	523.1	525.1	527.1	529.0	532.0	531.0	531.0	531.0
170°	500.6	505.5	508.4	512.4	513.3	514.3	515.3	517.3	516.3	516.3	516.3
172.5°	493.7	497.7	499.6	502.6	503.0	503.5	503.5	505.5	503.5	502.6	503.5
175°	488.8	490.8	491.8	493.7	493.7	493.7	493.7	494.7	493.7	492.8	493.7
177.5°	484.9	485.9	486.9	487.9	487.9	487.9	486.9	487.9	485.9	485.9	485.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	567.1	564.4	562.6	561.3	559.9	564.0	558.6	552.7	548.7	546.0	545.1
5°	626.5	620.6	615.7	611.6	612.5	612.5	603.1	592.7	583.8	578.8	573.4
7.5°	695.3	689.0	679.1	676.8	675.1	663.8	654.4	635.5	624.2	613.0	603.1
10°	763.6	755.6	746.1	743.0	738.5	724.5	710.1	685.8	671.9	651.2	638.2
12.5°	827.5	817.6	808.2	805.9	799.2	787.0	762.3	737.1	713.3	691.2	668.3
15°	881.0	878.3	863.9	854.9	840.1	823.5	818.1	783.9	753.8	730.8	689.4
17.5°	926.0	913.4	899.9	894.1	888.2	868.9	849.5	814.5	782.1	748.4	721.8
20°	962.0	948.0	938.6	930.1	927.4	905.3	874.7	843.7	808.2	770.4	735.8
22.5°	963.8	962.0	955.7	950.7	945.3	930.9	906.7	868.0	830.2	788.8	743.4
25°	926.5	923.8	941.7	937.2	940.8	935.4	922.4	890.0	846.0	797.4	751.5
27.5°	814.0	841.5	869.8	879.7	886.4	905.8	912.1	894.1	858.5	806.8	755.6
30°	661.1	697.5	743.4	768.1	787.0	823.0	869.8	875.6	859.0	817.6	754.7
32.5°	519.0	552.3	589.2	618.4	643.6	717.3	780.3	825.7	833.8	812.2	756.9
35°	418.3	432.6	467.7	495.6	529.8	592.7	667.0	740.3	789.7	792.4	750.2
37.5°	344.9	352.6	383.2	398.9	419.2	474.5	543.7	639.5	716.4	752.9	731.3
40°	285.6	303.1	320.7	329.7	344.0	382.3	448.8	523.9	619.3	686.7	702.0
42.5°	247.8	255.4	266.7	279.3	288.3	321.6	366.1	434.9	520.8	614.8	657.1
45°	218.6	221.3	233.0	241.1	250.5	273.9	305.4	362.9	438.5	531.1	603.1
47.5°	194.3	199.7	206.0	210.9	217.2	235.2	262.2	304.0	370.6	453.3	530.7
50°	172.7	175.8	183.9	186.2	190.7	203.3	224.0	255.9	310.8	376.9	456.9
52.5°	152.5	158.3	161.5	164.6	168.7	179.0	192.5	218.6	259.9	322.0	389.9
55°	136.7	138.5	143.0	145.7	148.9	156.1	167.8	187.1	219.5	268.9	333.3
57.5°	121.4	121.4	125.9	128.2	131.3	136.7	147.1	161.9	185.3	222.2	281.1
60°	105.2	105.7	109.3	112.0	112.9	118.3	126.8	138.5	156.5	183.5	231.6
62.5°	90.8	93.1	94.9	95.8	98.9	102.1	109.3	117.4	130.0	153.8	188.0
65°	78.7	79.2	80.5	81.4	82.8	86.3	91.7	97.1	107.9	125.5	153.4
67.5°	64.8	66.6	68.4	68.4	69.7	71.5	76.9	81.4	89.5	99.8	118.7
70°	48.6	49.5	52.2	53.5	55.3	58.5	61.2	63.9	70.2	77.8	92.2
72.5°	40.5	40.5	41.4	41.8	41.8	44.1	48.1	50.8	54.0	59.4	69.3
75°	32.4	32.4	33.7	33.3	34.2	35.1	35.5	37.3	39.1	43.2	49.0
77.5°	25.6	26.1	26.1	26.5	26.5	27.0	27.4	28.3	29.2	31.5	34.2
80°	18.9	19.3	19.3	19.8	19.8	20.2	20.7	21.1	22.0	22.9	24.3
82.5°	13.0	13.5	13.5	13.9	13.5	13.9	14.4	14.4	14.8	15.7	16.2
85°	7.6	7.6	8.1	7.6	7.6	7.6	8.1	8.1	8.5	9.9	9.9
87.5°	2.2	2.7	2.2	2.7	2.7	2.7	2.7	3.1	3.1	3.6	4.0
90°	28.4	27.4	28.4	27.4	26.5	25.5	24.5	23.5	24.5	21.6	18.6
92.5°	52.9	56.8	58.8	62.2	65.6	75.4	97.0	136.2	182.2	201.8	150.9
95°	124.4	133.2	151.8	169.4	187.1	239.0	352.7	471.2	580.9	517.3	356.6
97.5°	267.4	304.7	370.3	426.2	482.0	611.3	810.2	923.8	893.4	667.1	396.8
100°	651.5	723.0	821.9	891.4	961.0	1075.7	1155.0	1120.7	927.7	627.0	369.3
102.5°	1031.6	1084.5	1156.0	1193.7	1231.4	1286.3	1269.6	1130.5	864.1	568.2	345.8
105°	1282.4	1319.6	1364.7	1377.4	1390.1	1371.5	1273.6	1068.8	787.6	522.2	337.0
107.5°	1447.9	1465.6	1471.4	1458.2	1445.0	1368.6	1214.8	980.6	720.0	488.8	335.0
110°	1530.2	1522.4	1495.0	1460.7	1426.4	1302.9	1122.7	898.3	664.2	471.2	339.9

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1536.1	1507.7	1451.8	1405.3	1358.8	1216.7	1031.6	826.8	627.0	461.4	349.7
115°	1491.0	1447.9	1374.5	1321.1	1267.7	1123.7	953.2	772.0	602.5	460.4	360.5
117.5°	1410.7	1362.7	1286.3	1230.9	1175.6	1043.3	892.5	735.7	585.8	461.4	374.2
120°	1327.4	1272.6	1195.2	1145.7	1096.2	978.7	846.4	708.3	575.1	465.3	389.9
122.5°	1238.3	1190.3	1123.7	1078.6	1033.5	926.8	810.2	685.8	568.2	472.2	404.6
125°	1163.8	1120.7	1058.0	1018.8	979.7	885.6	778.8	667.1	562.3	479.1	420.3
127.5°	1100.2	1062.9	1006.1	969.8	933.6	847.4	750.4	649.5	559.4	486.9	433.0
130°	1045.3	1010.0	958.1	924.8	891.5	812.1	724.0	635.8	556.4	494.7	445.7
132.5°	997.3	962.0	914.0	882.6	851.3	778.8	699.5	623.1	555.5	500.6	457.5
135°	944.4	915.0	867.0	839.1	811.2	747.5	677.9	612.3	554.5	506.5	467.3
137.5°	894.4	864.1	822.9	797.9	772.9	716.1	657.3	602.5	552.5	510.4	475.1
140°	843.5	816.1	778.8	757.8	736.7	689.7	639.7	593.7	551.5	514.3	481.0
142.5°	792.5	769.0	738.7	721.0	703.4	664.2	623.1	585.8	549.6	517.3	486.9
145°	747.5	726.9	702.4	688.2	674.0	642.7	610.3	579.0	547.6	518.2	490.8
147.5°	707.3	692.6	673.0	662.8	652.5	626.0	599.5	572.1	544.7	518.2	493.7
150°	675.0	664.2	649.5	640.2	630.9	610.3	587.8	565.3	540.8	518.2	494.7
152.5°	648.5	638.7	628.0	620.6	613.3	595.6	577.0	557.4	535.9	515.3	496.7
155°	625.0	617.2	608.4	602.5	596.6	581.9	566.2	549.6	530.0	513.3	496.7
157.5°	603.5	597.6	589.8	584.9	580.0	568.2	554.5	540.8	525.1	510.4	497.7
160°	584.9	579.0	572.1	568.7	565.3	555.5	544.7	532.0	519.2	508.4	497.7
162.5°	565.3	560.4	556.4	553.5	550.6	541.7	532.9	523.1	513.3	504.5	496.7
165°	548.6	544.7	540.8	538.3	535.9	529.0	523.1	515.3	507.5	500.6	494.7
167.5°	532.0	529.0	527.1	525.1	523.1	519.2	514.3	507.5	501.6	496.7	493.7
170°	517.3	515.3	514.3	513.3	512.4	508.4	505.5	500.6	495.7	492.8	490.8
172.5°	505.5	503.5	503.5	503.0	502.6	499.6	497.7	493.7	490.8	489.8	489.8
175°	494.7	493.7	493.7	493.7	493.7	491.8	490.8	488.8	486.9	486.9	487.9
177.5°	487.9	486.9	487.9	487.9	487.9	486.9	485.9	484.9	483.9	484.9	486.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	543.7	541.5	539.2	539.2	534.3	529.8	527.5	528.4	525.7	522.1	518.5
5°	567.6	558.6	556.8	551.8	545.1	535.6	530.7	526.2	520.8	513.6	506.9
7.5°	589.6	577.9	571.6	566.7	553.6	540.6	529.8	522.6	513.1	502.4	494.3
10°	618.4	596.8	590.1	578.8	560.4	541.9	529.3	517.6	504.6	492.0	481.2
12.5°	641.3	616.6	604.0	592.7	568.9	545.5	524.4	510.0	494.3	480.3	466.4
15°	667.4	639.5	617.5	604.0	573.9	545.5	521.7	501.5	483.9	466.8	454.7
17.5°	680.0	644.9	635.0	615.7	572.1	543.7	514.5	492.9	471.8	452.0	437.6
20°	699.8	658.9	634.1	621.1	582.4	540.6	506.4	481.7	459.6	438.5	423.2
22.5°	701.1	656.6	640.4	615.7	568.0	531.1	499.2	469.1	443.4	423.6	407.9
25°	698.0	652.6	630.1	610.3	570.7	525.7	484.8	455.1	429.9	407.0	388.6
27.5°	696.6	640.9	619.7	599.9	555.4	510.0	476.3	442.5	413.8	393.5	374.6
30°	694.8	628.3	602.6	579.7	538.8	497.9	457.4	428.1	400.7	375.1	356.2
32.5°	683.1	611.2	585.1	560.8	516.7	475.8	443.9	412.9	383.2	359.3	342.2
35°	679.5	595.4	561.3	535.2	492.0	455.6	421.9	396.2	368.3	344.5	324.3
37.5°	669.2	579.3	542.4	509.1	464.1	429.5	404.8	379.1	352.1	326.5	310.3
40°	651.2	560.4	518.5	484.4	438.0	403.0	380.0	361.1	334.6	311.7	291.9
42.5°	624.7	541.0	496.1	460.1	408.8	376.0	357.1	339.1	316.6	292.8	276.6
45°	594.1	515.4	473.6	433.5	381.4	349.4	329.7	318.9	298.2	277.9	259.0
47.5°	552.3	488.9	447.5	406.1	353.0	322.0	306.3	295.5	281.1	259.0	243.8
50°	499.7	454.7	415.6	378.7	325.2	295.5	279.7	271.6	259.5	243.8	228.9
52.5°	441.2	415.1	382.7	348.5	296.8	268.9	254.5	248.3	239.3	224.4	211.8
55°	382.3	371.0	349.0	315.3	267.1	244.2	231.6	223.5	216.8	206.0	195.2
57.5°	329.7	324.3	309.0	282.9	242.4	218.6	207.8	202.4	197.0	188.9	178.1
60°	275.2	281.1	265.3	252.3	215.4	194.7	185.3	179.4	176.7	169.5	162.8
62.5°	228.0	233.4	224.4	214.5	188.4	170.0	164.2	158.8	157.0	150.7	143.9
65°	185.3	192.0	185.3	179.9	164.2	148.9	141.7	139.0	137.2	133.1	127.7
67.5°	147.5	154.3	151.1	144.4	139.4	126.8	122.8	120.1	119.2	116.0	111.5
70°	111.1	120.5	121.4	117.4	112.9	107.0	104.3	103.4	101.2	98.5	95.8
72.5°	80.1	90.8	91.3	91.3	88.6	88.6	85.9	84.6	84.6	81.9	78.7
75°	58.9	66.1	67.0	67.9	69.3	70.6	68.8	68.8	68.4	65.7	64.3
77.5°	39.1	45.4	47.7	50.8	52.6	52.6	53.5	54.4	53.5	52.2	51.3
80°	25.2	29.7	32.4	34.2	36.9	38.2	39.6	40.0	39.1	38.7	37.3
82.5°	16.6	18.0	19.3	21.6	24.7	27.0	27.0	26.5	27.4	27.0	26.5
85°	9.4	10.3	10.8	11.2	13.0	15.3	15.7	16.2	17.1	16.2	15.3
87.5°	3.6	4.0	4.0	4.0	4.9	5.4	6.7	8.5	8.1	7.2	7.2
90°	15.7	12.7	11.8	10.8	8.8	5.9	3.9	2.0	3.9	5.9	8.8
92.5°	98.9	67.6	58.8	50.0	40.2	31.3	21.6	14.7	21.6	31.3	40.2
95°	210.6	127.4	108.2	89.1	63.7	47.0	36.2	33.3	36.2	47.0	63.7
97.5°	227.3	145.0	124.0	102.9	77.4	62.7	53.9	52.9	53.9	62.7	77.4
100°	224.3	155.8	136.7	117.6	94.0	80.3	73.5	72.5	73.5	80.3	94.0
102.5°	228.3	168.5	151.4	134.2	113.6	100.9	95.0	93.1	95.0	100.9	113.6
105°	236.1	183.2	168.0	152.8	134.2	122.5	116.6	113.6	116.6	122.5	134.2
107.5°	248.8	201.8	187.6	173.4	155.8	144.0	138.1	135.2	138.1	144.0	155.8
110°	265.5	221.4	207.7	194.0	177.3	166.5	161.6	158.7	161.6	166.5	177.3

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	282.1	242.0	228.8	215.5	198.9	188.1	183.2	180.3	183.2	188.1	198.9
115°	300.8	263.5	250.3	237.1	220.4	210.6	204.7	200.8	204.7	210.6	220.4
117.5°	320.3	283.1	270.8	258.6	240.0	231.2	226.3	221.4	226.3	231.2	240.0
120°	339.0	303.7	291.4	279.2	260.6	250.8	245.9	243.0	245.9	250.8	260.6
122.5°	358.6	324.3	311.0	297.8	280.2	269.4	264.5	261.6	264.5	269.4	280.2
125°	377.2	342.9	329.6	316.4	297.8	287.0	281.2	279.2	281.2	287.0	297.8
127.5°	393.8	360.5	347.3	334.1	313.5	302.7	295.9	292.9	295.9	302.7	313.5
130°	408.5	376.2	363.0	349.7	329.2	317.4	308.6	305.7	308.6	317.4	329.2
132.5°	421.3	389.9	377.2	364.4	343.9	329.2	319.4	315.4	319.4	329.2	343.9
135°	434.0	403.6	390.4	377.2	356.6	341.9	331.1	327.2	331.1	341.9	356.6
137.5°	442.8	413.4	401.2	388.9	368.4	352.7	341.9	338.0	341.9	352.7	368.4
140°	451.6	423.2	411.0	398.7	379.1	363.5	353.7	348.8	353.7	363.5	379.1
142.5°	458.5	431.0	419.8	408.5	388.9	375.2	364.4	360.5	364.4	375.2	388.9
145°	464.4	438.9	427.6	416.4	399.7	385.0	376.2	373.2	376.2	385.0	399.7
147.5°	469.3	445.7	436.0	426.2	409.5	396.8	387.9	386.0	387.9	396.8	409.5
150°	474.2	451.6	442.8	434.0	420.3	407.5	399.7	398.7	399.7	407.5	420.3
152.5°	477.1	458.5	450.2	441.8	430.1	419.3	411.5	411.5	411.5	419.3	430.1
155°	481.0	464.4	457.5	450.6	439.9	430.1	424.2	424.2	424.2	430.1	439.9
157.5°	483.0	469.3	463.9	458.5	448.7	439.9	435.0	434.0	435.0	439.9	448.7
160°	485.9	474.2	469.3	464.4	457.5	449.7	445.7	445.7	445.7	449.7	457.5
162.5°	486.9	477.1	473.2	469.3	463.4	457.5	454.6	454.6	454.6	457.5	463.4
165°	487.9	480.0	476.6	473.2	469.3	464.4	462.4	463.4	462.4	464.4	469.3
167.5°	487.9	482.0	479.6	477.1	474.2	470.2	469.3	470.2	469.3	470.2	474.2
170°	486.9	482.0	481.0	480.0	478.1	475.1	474.2	476.1	474.2	475.1	478.1
172.5°	486.9	483.0	482.5	482.0	481.0	479.1	479.1	480.0	479.1	479.1	481.0
175°	485.9	483.9	483.4	483.0	483.0	481.0	482.0	483.0	482.0	481.0	483.0
177.5°	484.9	483.9	483.9	483.9	483.9	483.0	483.9	484.9	483.9	483.0	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	518.5	516.3	515.4	513.1	507.7	504.2	500.1	497.4	497.9	495.6	497.0
5°	502.4	501.9	498.8	494.3	486.6	482.6	475.4	471.8	470.0	470.4	467.7
7.5°	488.9	484.8	482.6	475.4	468.2	459.6	453.8	450.6	447.9	445.2	443.4
10°	473.6	470.0	466.4	458.7	448.8	440.7	432.6	429.5	425.4	423.6	422.3
12.5°	457.4	455.1	450.6	441.6	430.4	422.8	413.3	411.5	406.1	402.5	401.6
15°	442.5	441.2	433.1	422.8	411.5	403.9	395.8	390.4	381.4	383.2	380.0
17.5°	426.8	421.0	416.0	402.1	396.7	385.0	375.5	372.8	366.5	362.5	358.4
20°	409.3	405.7	399.4	390.4	377.3	363.8	356.6	352.1	348.5	342.2	340.4
22.5°	392.6	388.1	382.7	371.0	359.8	348.5	338.6	334.6	330.1	325.6	322.9
25°	379.6	372.8	367.0	352.6	341.3	331.9	325.6	318.9	312.6	309.9	309.0
27.5°	359.3	355.3	349.4	336.0	325.6	315.3	309.4	304.9	298.2	295.0	292.3
30°	346.3	338.2	331.5	320.7	310.3	299.1	293.7	288.3	284.2	280.2	277.0
32.5°	328.8	322.5	317.1	306.3	295.9	285.6	279.7	271.6	269.4	266.2	262.6
35°	311.7	307.6	301.8	290.1	278.8	271.6	265.3	257.7	255.0	252.8	249.6
37.5°	295.5	289.6	285.6	274.3	264.4	255.9	251.0	244.7	242.9	240.2	237.9
40°	281.5	275.7	271.6	260.4	250.1	241.1	237.9	231.6	228.9	225.8	224.4
42.5°	265.8	260.8	255.4	247.4	236.6	227.6	221.3	217.7	214.1	212.7	210.0
45°	249.2	244.7	240.6	231.6	220.4	214.1	208.7	203.7	201.0	198.8	197.0
47.5°	234.8	230.7	225.3	215.4	206.4	200.6	195.2	190.2	187.5	184.8	182.6
50°	218.1	215.9	210.0	200.6	192.0	185.3	180.3	175.8	174.0	170.9	167.3
52.5°	203.3	199.2	194.3	186.6	179.0	170.9	164.2	161.5	158.3	156.5	153.4
55°	185.7	183.0	177.6	170.9	162.8	156.1	151.1	147.5	143.5	141.7	137.6
57.5°	170.9	166.0	163.3	154.7	147.1	140.3	136.7	133.1	128.6	125.9	124.1
60°	154.7	150.2	146.2	139.0	133.6	126.4	121.0	117.8	114.7	111.1	109.3
62.5°	139.0	135.4	130.4	124.6	117.8	112.0	107.9	103.4	101.6	98.0	96.7
65°	121.9	119.2	115.1	108.4	103.0	98.0	94.0	90.4	88.6	87.2	86.3
67.5°	106.6	103.0	100.3	94.4	88.6	84.6	82.3	80.1	77.8	76.5	75.1
70°	90.8	88.1	85.4	80.1	76.0	72.4	70.6	68.8	67.5	66.1	64.8
72.5°	74.7	73.3	70.6	67.0	63.9	61.2	59.8	57.6	56.2	54.0	53.1
75°	61.6	59.4	58.0	54.9	52.2	49.9	48.1	45.4	43.6	42.7	42.3
77.5°	48.6	47.7	45.9	43.2	41.8	39.6	36.9	36.0	35.1	35.1	34.6
80°	36.4	35.1	33.7	31.5	30.1	28.3	28.3	28.3	27.9	28.3	27.9
82.5°	24.7	23.8	22.9	21.6	21.1	21.1	21.6	21.6	21.6	21.6	21.6
85°	14.4	14.4	14.4	14.8	14.4	14.4	14.8	15.3	14.8	14.8	14.4
87.5°	6.7	6.7	7.2	7.2	7.6	7.6	7.6	7.6	7.6	7.6	8.1
90°	10.8	11.8	12.7	15.7	18.6	21.6	24.5	23.5	24.5	25.5	26.5
92.5°	50.0	58.8	67.6	98.9	150.9	201.8	182.2	136.2	97.0	75.4	65.6
95°	89.1	108.2	127.4	210.6	356.6	517.3	580.9	471.2	352.7	239.0	187.1
97.5°	102.9	124.0	145.0	227.3	396.8	667.1	893.4	923.8	810.2	611.3	482.0
100°	117.6	136.7	155.8	224.3	369.3	627.0	927.7	1120.7	1155.0	1075.7	961.0
102.5°	134.2	151.4	168.5	228.3	345.8	568.2	864.1	1130.5	1269.6	1286.3	1231.4
105°	152.8	168.0	183.2	236.1	337.0	522.2	787.6	1068.8	1273.6	1371.5	1390.1
107.5°	173.4	187.6	201.8	248.8	335.0	488.8	720.0	980.6	1214.8	1368.6	1445.0
110°	194.0	207.7	221.4	265.5	339.9	471.2	664.2	898.3	1122.7	1302.9	1426.4

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	215.5	228.8	242.0	282.1	349.7	461.4	627.0	826.8	1031.6	1216.7	1358.8
115°	237.1	250.3	263.5	300.8	360.5	460.4	602.5	772.0	953.2	1123.7	1267.7
117.5°	258.6	270.8	283.1	320.3	374.2	461.4	585.8	735.7	892.5	1043.3	1175.6
120°	279.2	291.4	303.7	339.0	389.9	465.3	575.1	708.3	846.4	978.7	1096.2
122.5°	297.8	311.0	324.3	358.6	404.6	472.2	568.2	685.8	810.2	926.8	1033.5
125°	316.4	329.6	342.9	377.2	420.3	479.1	562.3	667.1	778.8	885.6	979.7
127.5°	334.1	347.3	360.5	393.8	433.0	486.9	559.4	649.5	750.4	847.4	933.6
130°	349.7	363.0	376.2	408.5	445.7	494.7	556.4	635.8	724.0	812.1	891.5
132.5°	364.4	377.2	389.9	421.3	457.5	500.6	555.5	623.1	699.5	778.8	851.3
135°	377.2	390.4	403.6	434.0	467.3	506.5	554.5	612.3	677.9	747.5	811.2
137.5°	388.9	401.2	413.4	442.8	475.1	510.4	552.5	602.5	657.3	716.1	772.9
140°	398.7	411.0	423.2	451.6	481.0	514.3	551.5	593.7	639.7	689.7	736.7
142.5°	408.5	419.8	431.0	458.5	486.9	517.3	549.6	585.8	623.1	664.2	703.4
145°	416.4	427.6	438.9	464.4	490.8	518.2	547.6	579.0	610.3	642.7	674.0
147.5°	426.2	436.0	445.7	469.3	493.7	518.2	544.7	572.1	599.5	626.0	652.5
150°	434.0	442.8	451.6	474.2	494.7	518.2	540.8	565.3	587.8	610.3	630.9
152.5°	441.8	450.2	458.5	477.1	496.7	515.3	535.9	557.4	577.0	595.6	613.3
155°	450.6	457.5	464.4	481.0	496.7	513.3	530.0	549.6	566.2	581.9	596.6
157.5°	458.5	463.9	469.3	483.0	497.7	510.4	525.1	540.8	554.5	568.2	580.0
160°	464.4	469.3	474.2	485.9	497.7	508.4	519.2	532.0	544.7	555.5	565.3
162.5°	469.3	473.2	477.1	486.9	496.7	504.5	513.3	523.1	532.9	541.7	550.6
165°	473.2	476.6	480.0	487.9	494.7	500.6	507.5	515.3	523.1	529.0	535.9
167.5°	477.1	479.6	482.0	487.9	493.7	496.7	501.6	507.5	514.3	519.2	523.1
170°	480.0	481.0	482.0	486.9	490.8	492.8	495.7	500.6	505.5	508.4	512.4
172.5°	482.0	482.5	483.0	486.9	489.8	489.8	490.8	493.7	497.7	499.6	502.6
175°	483.0	483.4	483.9	485.9	487.9	486.9	486.9	488.8	490.8	491.8	493.7
177.5°	483.9	483.9	483.9	484.9	486.9	484.9	483.9	484.9	485.9	486.9	487.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	496.5	497.0	495.6	492.9	492.5	493.4	496.1	495.2	492.9	497.0	493.4
5°	469.1	466.8	465.9	466.8	464.1	462.8	465.5	464.1	465.5	465.9	467.3
7.5°	442.5	443.0	440.3	440.7	437.1	438.0	438.0	438.0	439.4	440.3	442.1
10°	419.6	420.5	417.4	417.8	415.1	413.3	414.7	417.4	417.4	417.4	418.3
12.5°	401.2	397.1	394.9	394.4	391.3	390.4	393.1	394.0	396.2	396.2	397.6
15°	378.2	377.3	375.5	375.5	367.9	369.7	370.6	373.7	378.2	374.6	375.5
17.5°	357.5	355.3	353.0	352.1	351.2	348.5	352.1	351.7	354.4	354.8	356.2
20°	339.1	337.3	332.8	333.3	334.2	330.1	332.4	332.4	335.1	337.8	340.9
22.5°	321.1	319.3	317.1	318.0	315.3	314.4	314.4	316.6	319.8	322.0	321.6
25°	307.2	304.0	302.7	301.3	300.0	300.9	299.5	301.8	304.0	305.4	304.0
27.5°	291.4	290.1	287.4	286.0	283.8	284.7	285.6	287.4	288.7	288.7	290.1
30°	276.1	274.3	273.4	272.1	272.1	270.3	270.7	272.5	273.9	275.2	277.0
32.5°	261.3	259.9	258.6	258.6	257.7	257.2	256.8	259.5	259.5	262.2	262.2
35°	249.2	246.9	246.9	244.7	245.6	245.1	244.2	246.0	246.5	248.3	247.8
37.5°	235.7	235.7	234.8	232.5	230.7	231.2	233.4	233.4	234.8	234.3	235.7
40°	222.2	221.3	221.3	219.9	219.5	219.0	219.5	219.9	222.2	221.7	222.2
42.5°	208.7	209.1	206.9	206.9	206.9	205.5	206.0	206.4	207.3	208.2	209.6
45°	195.6	194.7	194.3	193.4	192.5	192.9	192.5	194.3	193.8	194.7	196.1
47.5°	181.7	180.3	179.9	178.1	178.1	179.0	178.5	179.9	180.3	181.7	180.8
50°	168.2	166.4	165.1	165.5	162.8	163.7	163.7	165.1	166.4	166.9	167.8
52.5°	152.5	152.0	151.6	149.3	148.9	148.4	148.9	149.3	151.1	152.5	152.9
55°	137.2	136.7	134.0	133.1	131.8	131.8	132.7	133.1	136.3	136.7	138.5
57.5°	123.2	121.9	118.7	118.3	118.3	118.3	116.9	118.7	119.6	121.9	121.9
60°	107.9	107.9	105.2	105.2	105.7	105.2	105.2	105.7	105.7	107.5	108.4
62.5°	95.8	95.3	95.3	94.4	94.0	94.4	94.0	94.0	94.4	95.8	97.1
65°	85.0	84.6	84.1	83.7	82.8	82.8	83.2	84.1	84.1	85.0	85.4
67.5°	74.7	74.7	73.8	73.8	73.3	72.9	73.3	72.9	74.7	74.7	75.1
70°	64.3	63.9	62.5	62.1	60.7	61.2	61.2	62.5	63.0	63.9	64.8
72.5°	51.7	51.7	50.8	49.9	50.4	49.5	49.5	49.9	49.9	51.3	51.7
75°	42.7	41.8	41.4	41.8	41.4	42.3	41.4	41.4	42.3	42.3	42.3
77.5°	35.1	35.1	34.6	34.6	35.1	34.6	35.1	35.1	35.1	34.6	35.1
80°	28.8	28.3	28.3	28.3	27.9	27.9	27.9	27.9	27.9	27.9	27.9
82.5°	21.6	21.6	21.1	21.6	21.6	21.1	21.6	21.1	21.1	21.6	21.6
85°	14.4	15.3	14.4	14.4	14.8	14.8	15.3	14.8	15.3	14.4	14.8
87.5°	7.6	8.1	8.1	7.6	7.6	8.1	8.1	8.1	8.5	7.6	8.1
90°	27.4	28.4	27.4	28.4	29.4	28.4	29.4	28.4	27.4	28.4	27.4
92.5°	62.2	58.8	56.8	52.9	53.9	51.9	53.9	52.9	56.8	58.8	62.2
95°	169.4	151.8	133.2	124.4	117.6	113.6	117.6	124.4	133.2	151.8	169.4
97.5°	426.2	370.3	304.7	267.4	243.9	233.2	243.9	267.4	304.7	370.3	426.2
100°	891.4	821.9	723.0	651.5	613.3	614.2	613.3	651.5	723.0	821.9	891.4
102.5°	1193.7	1156.0	1084.5	1031.6	1001.2	972.8	1001.2	1031.6	1084.5	1156.0	1193.7
105°	1377.4	1364.7	1319.6	1282.4	1251.0	1246.1	1251.0	1282.4	1319.6	1364.7	1377.4
107.5°	1458.2	1471.4	1465.6	1447.9	1435.2	1424.4	1435.2	1447.9	1465.6	1471.4	1458.2
110°	1460.7	1495.0	1522.4	1530.2	1528.3	1526.3	1528.3	1530.2	1522.4	1495.0	1460.7



TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4FO-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1405.3	1451.8	1507.7	1536.1	1545.9	1546.9	1545.9	1536.1	1507.7	1451.8	1405.3
115°	1321.1	1374.5	1447.9	1491.0	1510.6	1515.5	1510.6	1491.0	1447.9	1374.5	1321.1
117.5°	1230.9	1286.3	1362.7	1410.7	1440.1	1447.0	1440.1	1410.7	1362.7	1286.3	1230.9
120°	1145.7	1195.2	1272.6	1327.4	1350.9	1356.8	1350.9	1327.4	1272.6	1195.2	1145.7
122.5°	1078.6	1123.7	1190.3	1238.3	1264.7	1272.6	1264.7	1238.3	1190.3	1123.7	1078.6
125°	1018.8	1058.0	1120.7	1163.8	1188.3	1195.2	1188.3	1163.8	1120.7	1058.0	1018.8
127.5°	969.8	1006.1	1062.9	1100.2	1122.7	1128.6	1122.7	1100.2	1062.9	1006.1	969.8
130°	924.8	958.1	1010.0	1045.3	1065.9	1073.7	1065.9	1045.3	1010.0	958.1	924.8
132.5°	882.6	914.0	962.0	997.3	1014.9	1019.8	1014.9	997.3	962.0	914.0	882.6
135°	839.1	867.0	915.0	944.4	962.0	968.9	962.0	944.4	915.0	867.0	839.1
137.5°	797.9	822.9	864.1	894.4	909.1	915.0	909.1	894.4	864.1	822.9	797.9
140°	757.8	778.8	816.1	843.5	859.2	858.2	859.2	843.5	816.1	778.8	757.8
142.5°	721.0	738.7	769.0	792.5	806.3	805.3	806.3	792.5	769.0	738.7	721.0
145°	688.2	702.4	726.9	747.5	755.3	757.3	755.3	747.5	726.9	702.4	688.2
147.5°	662.8	673.0	692.6	707.3	715.1	716.1	715.1	707.3	692.6	673.0	662.8
150°	640.2	649.5	664.2	675.0	680.9	680.9	680.9	675.0	664.2	649.5	640.2
152.5°	620.6	628.0	638.7	648.5	651.5	651.5	651.5	648.5	638.7	628.0	620.6
155°	602.5	608.4	617.2	625.0	627.0	628.0	627.0	625.0	617.2	608.4	602.5
157.5°	584.9	589.8	597.6	603.5	605.4	605.4	605.4	603.5	597.6	589.8	584.9
160°	568.7	572.1	579.0	584.9	584.9	583.9	584.9	584.9	579.0	572.1	568.7
162.5°	553.5	556.4	560.4	565.3	565.3	564.3	565.3	565.3	560.4	556.4	553.5
165°	538.3	540.8	544.7	548.6	547.6	547.6	547.6	548.6	544.7	540.8	538.3
167.5°	525.1	527.1	529.0	532.0	531.0	531.0	531.0	532.0	529.0	527.1	525.1
170°	513.3	514.3	515.3	517.3	516.3	516.3	516.3	517.3	515.3	514.3	513.3
172.5°	503.0	503.5	503.5	505.5	503.5	502.6	503.5	505.5	503.5	503.5	503.0
175°	493.7	493.7	493.7	494.7	493.7	492.8	493.7	494.7	493.7	493.7	493.7
177.5°	487.9	487.9	486.9	487.9	485.9	485.9	485.9	487.9	486.9	487.9	487.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3
2.5°	497.0	498.8	497.0	493.4	497.0	499.2	501.5	505.1	506.9	506.9	509.5
5°	468.6	472.2	470.9	470.0	473.6	475.8	479.4	483.9	488.9	492.0	495.6
7.5°	443.4	445.7	447.9	447.9	451.5	456.5	461.9	467.3	473.6	478.1	480.8
10°	421.4	423.2	424.5	426.3	431.7	437.1	444.3	451.1	456.5	461.4	465.9
12.5°	400.3	403.0	406.1	407.5	411.5	418.3	425.0	433.1	441.6	446.6	451.1
15°	380.0	381.4	385.0	389.0	392.6	399.8	408.4	416.9	424.1	431.7	435.8
17.5°	359.3	359.8	369.2	367.0	378.7	385.4	389.9	398.0	409.7	416.0	422.3
20°	339.1	343.6	347.6	349.9	356.2	363.8	376.9	383.2	392.6	398.5	403.9
22.5°	323.4	330.1	330.1	335.5	338.6	345.8	355.3	367.4	377.8	381.8	389.5
25°	309.4	312.6	318.0	319.8	325.6	331.9	338.2	351.2	362.5	367.9	373.3
27.5°	291.4	295.5	302.7	302.7	310.3	317.1	324.7	333.3	344.5	352.1	358.0
30°	277.5	281.5	284.7	289.6	292.8	299.1	312.6	318.9	328.8	335.5	342.7
32.5°	264.4	267.6	270.3	275.7	279.3	286.5	293.7	304.9	313.5	319.8	327.4
35°	250.1	253.2	256.8	260.8	266.2	273.0	279.7	289.2	297.7	303.6	309.9
37.5°	236.6	238.8	244.2	246.9	251.4	257.7	266.2	276.1	283.8	288.3	294.6
40°	223.5	225.3	229.4	234.3	237.5	242.4	251.4	259.9	269.4	274.8	279.7
42.5°	209.6	211.8	215.4	220.4	225.3	230.7	235.7	245.6	254.1	258.6	264.0
45°	197.4	198.8	201.5	206.4	211.4	215.4	223.1	232.1	240.2	243.8	249.6
47.5°	183.0	184.4	188.4	190.7	196.1	201.5	209.1	218.1	225.3	228.9	234.3
50°	168.2	169.5	172.2	177.2	180.8	186.6	193.4	201.0	210.0	215.0	218.1
52.5°	153.8	156.5	158.8	162.8	167.3	173.1	179.4	186.6	194.3	199.2	202.8
55°	139.4	141.7	144.4	146.6	152.0	157.4	164.6	171.3	178.1	182.6	186.6
57.5°	123.2	126.4	129.1	133.6	137.6	142.1	150.2	155.6	163.7	166.9	170.4
60°	109.3	112.4	114.7	118.3	121.9	127.7	133.1	139.9	146.6	150.7	155.2
62.5°	97.6	98.9	100.3	103.9	107.5	112.9	118.3	125.0	132.2	134.5	138.1
65°	85.9	87.2	89.5	92.6	95.3	98.5	104.3	109.7	116.5	120.1	121.4
67.5°	76.0	77.4	77.8	80.1	82.3	85.9	89.0	94.4	100.7	103.0	105.7
70°	64.8	67.0	67.5	69.3	70.2	72.4	76.0	80.1	85.0	89.0	91.3
72.5°	51.7	54.9	55.8	58.5	59.8	62.1	64.8	67.9	71.1	72.9	74.7
75°	42.3	43.2	43.6	45.9	48.1	51.3	52.6	54.4	57.1	59.4	61.2
77.5°	35.1	35.5	36.0	36.0	36.4	38.2	40.9	43.2	45.0	45.9	47.2
80°	28.3	27.9	27.9	28.3	28.3	28.3	29.2	32.4	33.3	35.5	35.1
82.5°	22.0	21.1	21.6	21.1	21.1	21.1	21.1	21.6	21.6	22.9	23.8
85°	14.4	14.8	14.4	14.4	13.9	14.4	13.9	13.9	13.5	13.5	13.0
87.5°	7.6	8.1	7.6	7.6	7.2	7.6	7.2	7.2	6.7	6.7	5.8
90°	26.5	25.5	24.5	23.5	24.5	21.6	18.6	15.7	12.7	11.8	10.8
92.5°	65.6	75.4	97.0	136.2	182.2	201.8	150.9	98.9	67.6	58.8	50.0
95°	187.1	239.0	352.7	471.2	580.9	517.3	356.6	210.6	127.4	108.2	89.1
97.5°	482.0	611.3	810.2	923.8	893.4	667.1	396.8	227.3	145.0	124.0	102.9
100°	961.0	1075.7	1155.0	1120.7	927.7	627.0	369.3	224.3	155.8	136.7	117.6
102.5°	1231.4	1286.3	1269.6	1130.5	864.1	568.2	345.8	228.3	168.5	151.4	134.2
105°	1390.1	1371.5	1273.6	1068.8	787.6	522.2	337.0	236.1	183.2	168.0	152.8
107.5°	1445.0	1368.6	1214.8	980.6	720.0	488.8	335.0	248.8	201.8	187.6	173.4
110°	1426.4	1302.9	1122.7	898.3	664.2	471.2	339.9	265.5	221.4	207.7	194.0

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1358.8	1216.7	1031.6	826.8	627.0	461.4	349.7	282.1	242.0	228.8	215.5
115°	1267.7	1123.7	953.2	772.0	602.5	460.4	360.5	300.8	263.5	250.3	237.1
117.5°	1175.6	1043.3	892.5	735.7	585.8	461.4	374.2	320.3	283.1	270.8	258.6
120°	1096.2	978.7	846.4	708.3	575.1	465.3	389.9	339.0	303.7	291.4	279.2
122.5°	1033.5	926.8	810.2	685.8	568.2	472.2	404.6	358.6	324.3	311.0	297.8
125°	979.7	885.6	778.8	667.1	562.3	479.1	420.3	377.2	342.9	329.6	316.4
127.5°	933.6	847.4	750.4	649.5	559.4	486.9	433.0	393.8	360.5	347.3	334.1
130°	891.5	812.1	724.0	635.8	556.4	494.7	445.7	408.5	376.2	363.0	349.7
132.5°	851.3	778.8	699.5	623.1	555.5	500.6	457.5	421.3	389.9	377.2	364.4
135°	811.2	747.5	677.9	612.3	554.5	506.5	467.3	434.0	403.6	390.4	377.2
137.5°	772.9	716.1	657.3	602.5	552.5	510.4	475.1	442.8	413.4	401.2	388.9
140°	736.7	689.7	639.7	593.7	551.5	514.3	481.0	451.6	423.2	411.0	398.7
142.5°	703.4	664.2	623.1	585.8	549.6	517.3	486.9	458.5	431.0	419.8	408.5
145°	674.0	642.7	610.3	579.0	547.6	518.2	490.8	464.4	438.9	427.6	416.4
147.5°	652.5	626.0	599.5	572.1	544.7	518.2	493.7	469.3	445.7	436.0	426.2
150°	630.9	610.3	587.8	565.3	540.8	518.2	494.7	474.2	451.6	442.8	434.0
152.5°	613.3	595.6	577.0	557.4	535.9	515.3	496.7	477.1	458.5	450.2	441.8
155°	596.6	581.9	566.2	549.6	530.0	513.3	496.7	481.0	464.4	457.5	450.6
157.5°	580.0	568.2	554.5	540.8	525.1	510.4	497.7	483.0	469.3	463.9	458.5
160°	565.3	555.5	544.7	532.0	519.2	508.4	497.7	485.9	474.2	469.3	464.4
162.5°	550.6	541.7	532.9	523.1	513.3	504.5	496.7	486.9	477.1	473.2	469.3
165°	535.9	529.0	523.1	515.3	507.5	500.6	494.7	487.9	480.0	476.6	473.2
167.5°	523.1	519.2	514.3	507.5	501.6	496.7	493.7	487.9	482.0	479.6	477.1
170°	512.4	508.4	505.5	500.6	495.7	492.8	490.8	486.9	482.0	481.0	480.0
172.5°	502.6	499.6	497.7	493.7	490.8	489.8	489.8	486.9	483.0	482.5	482.0
175°	493.7	491.8	490.8	488.8	486.9	486.9	487.9	485.9	483.9	483.4	483.0
177.5°	487.9	486.9	485.9	484.9	483.9	484.9	486.9	484.9	483.9	483.9	483.9
180°	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9	483.9

TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	525.3	525.3	525.3	525.3
2.5°	511.8	514.9	521.2	526.6
5°	501.0	506.0	515.4	524.8
7.5°	488.0	495.6	507.7	520.8
10°	475.4	485.3	500.1	515.4
12.5°	462.8	473.1	488.9	508.6
15°	447.9	458.7	477.6	501.5
17.5°	434.9	449.3	466.4	490.2
20°	421.0	431.7	453.8	479.0
22.5°	403.4	421.4	442.1	468.6
25°	389.5	405.2	425.9	456.0
27.5°	372.4	390.8	416.0	442.5
30°	358.4	373.7	397.1	429.0
32.5°	342.2	360.2	384.5	416.0
35°	327.9	343.1	366.1	398.0
37.5°	310.8	327.4	353.0	381.4
40°	295.9	312.1	336.4	362.9
42.5°	277.9	295.0	319.3	341.8
45°	263.5	279.3	298.6	319.3
47.5°	246.0	262.6	281.5	295.9
50°	230.3	245.6	260.4	272.5
52.5°	213.2	227.1	240.6	249.6
55°	197.4	208.2	219.0	225.3
57.5°	179.0	189.3	198.3	201.9
60°	162.8	171.3	177.2	181.2
62.5°	145.7	152.0	156.5	158.8
65°	129.1	133.6	135.8	138.1
67.5°	112.0	116.0	117.4	120.1
70°	94.0	98.5	99.4	100.7
72.5°	80.5	80.5	82.3	84.1
75°	64.3	65.2	66.1	66.1
77.5°	50.4	50.4	51.3	51.7
80°	36.9	37.3	37.3	36.9
82.5°	25.2	26.1	25.2	24.7
85°	13.9	15.7	14.8	14.8
87.5°	5.8	5.8	6.7	5.8
90°	8.8	5.9	3.9	2.0
92.5°	40.2	31.3	21.6	14.7
95°	63.7	47.0	36.2	33.3
97.5°	77.4	62.7	53.9	52.9
100°	94.0	80.3	73.5	72.5
102.5°	113.6	100.9	95.0	93.1
105°	134.2	122.5	116.6	113.6
107.5°	155.8	144.0	138.1	135.2
110°	177.3	166.5	161.6	158.7



TEST NUMBER: P1012408

CATALOG NUMBER: S123RDIP-B340D1025UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	198.9	188.1	183.2	180.3
115°	220.4	210.6	204.7	200.8
117.5°	240.0	231.2	226.3	221.4
120°	260.6	250.8	245.9	243.0
122.5°	280.2	269.4	264.5	261.6
125°	297.8	287.0	281.2	279.2
127.5°	313.5	302.7	295.9	292.9
130°	329.2	317.4	308.6	305.7
132.5°	343.9	329.2	319.4	315.4
135°	356.6	341.9	331.1	327.2
137.5°	368.4	352.7	341.9	338.0
140°	379.1	363.5	353.7	348.8
142.5°	388.9	375.2	364.4	360.5
145°	399.7	385.0	376.2	373.2
147.5°	409.5	396.8	387.9	386.0
150°	420.3	407.5	399.7	398.7
152.5°	430.1	419.3	411.5	411.5
155°	439.9	430.1	424.2	424.2
157.5°	448.7	439.9	435.0	434.0
160°	457.5	449.7	445.7	445.7
162.5°	463.4	457.5	454.6	454.6
165°	469.3	464.4	462.4	463.4
167.5°	474.2	470.2	469.3	470.2
170°	478.1	475.1	474.2	476.1
172.5°	481.0	479.1	479.1	480.0
175°	483.0	481.0	482.0	483.0
177.5°	483.9	483.0	483.9	484.9
180°	483.9	483.9	483.9	483.9

(END OF REPORT)