

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: P999491

Luminaire Tested: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999491
REPORT IS A COMBINATION OF REPORTS P988042 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

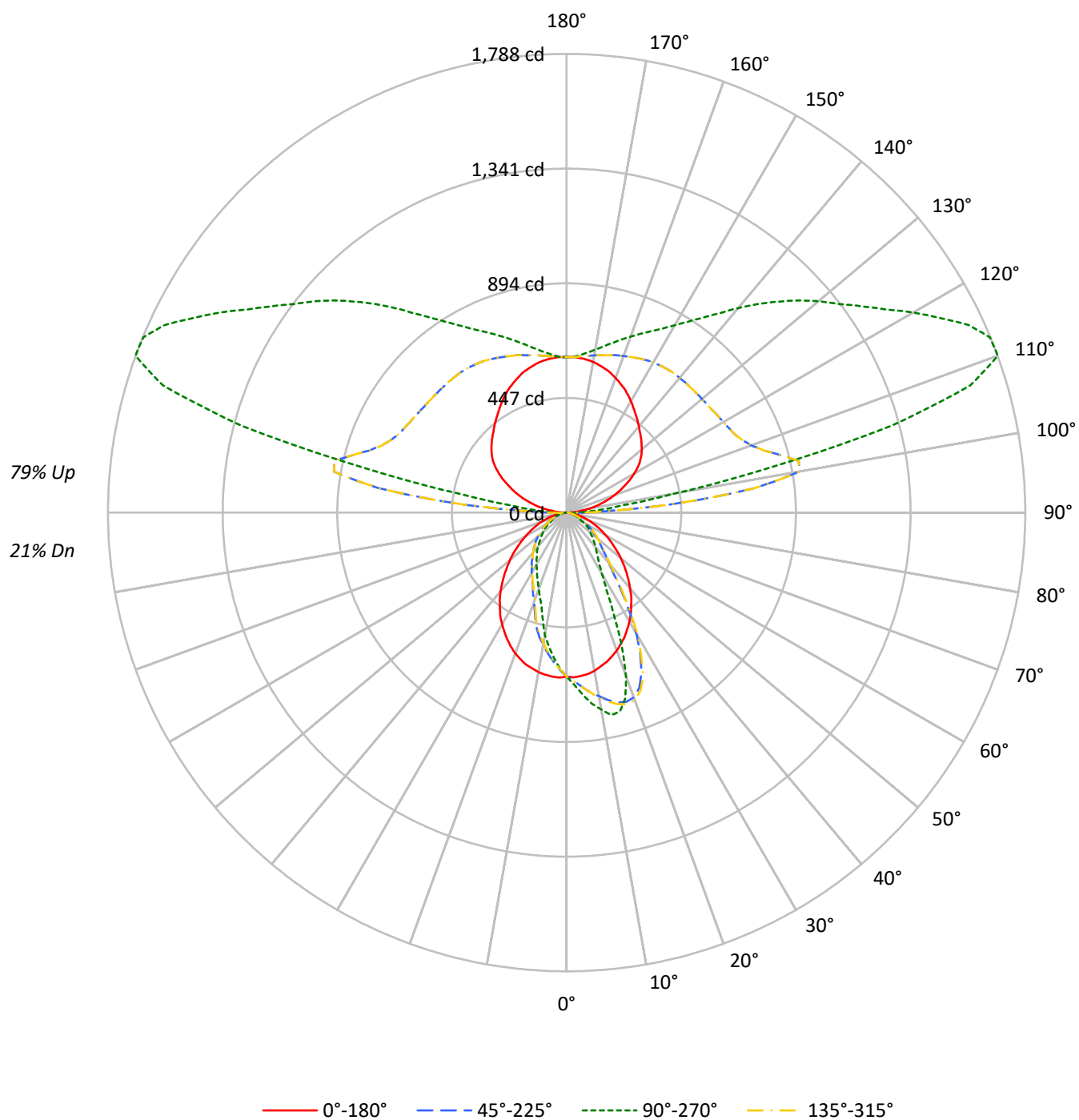
Lumens per Lamp: N/A
Luminaire Lumens: 5330.0 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

Luminous Intensity Polar Plot



TEST NUMBER: P999491

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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	100	100	100	100	89	89	89	89	67	67	67	47	47	47	29	29	29	29	29	21
1	92	88	84	81	81	78	75	72	59	57	55	42	41	40	26	26	25	25	25	18
2	84	77	71	66	74	68	63	60	52	49	46	37	35	34	24	23	22	22	22	16
3	76	68	61	56	67	60	55	50	46	42	39	33	31	29	21	20	19	19	19	14
4	70	60	53	47	62	53	47	43	41	37	34	30	27	25	19	18	17	17	17	12
5	64	53	46	40	57	48	41	37	37	32	29	27	24	22	17	16	15	15	15	11
6	59	48	40	35	52	43	36	32	33	29	25	24	21	19	16	14	13	13	13	10
7	55	43	36	31	48	39	32	28	30	26	22	22	19	17	15	13	12	12	12	9
8	51	39	32	27	45	35	29	25	27	23	20	20	17	15	13	12	11	11	11	8
9	47	36	29	24	42	32	26	22	25	21	18	19	16	14	12	11	10	10	10	7
10	44	33	26	21	39	29	24	20	23	19	16	17	14	12	12	10	9	9	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10112	10112	10112	10112
5°	10136	10742	10171	8581
10°	10024	11353	10096	7086
15°	9806	11356	9972	5323
20°	9545	9388	9752	4391
25°	9228	5866	9428	3736
30°	8823	3755	9063	3216
35°	8330	2887	8599	2752
40°	7782	2427	8114	2407
45°	7194	2065	7495	2021
50°	6593	1755	6901	1749
55°	5926	1525	6246	1504
60°	5335	1162	5617	1149
65°	4781	874	5066	992
70°	4170	699	4500	808
75°	3524	536	3849	612
80°	2802	364	3010	402
85°	1949	188	2133	198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 9250 cd/sqm

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.1
10°-20°	169.1	3.2
20°-30°	217.7	4.1
30°-40°	206.5	3.9
40°-50°	177.0	3.3
50°-60°	134.8	2.5
60°-70°	85.0	1.6
70°-80°	42.4	0.8
80°-90°	14.8	0.3
90°-100°	236.3	4.4
100°-110°	832.3	15.6
110°-120°	874.1	16.4
120°-130°	719.1	13.5
130°-140°	577.7	10.8
140°-150°	436.4	8.2
150°-160°	306.8	5.8
160°-170°	180.6	3.4
170°-180°	58.7	1.1
0°-30°	447.4	8.4
0°-40°	653.9	12.3
0°-60°	965.7	18.1
0°-90°	1107.9	20.8
90°-120°	1942.8	36.4
90°-150°	3676.0	69.0
90°-180°	4222.0	79.2
0°-180°	5330.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	639	639	639	639	639	
5°	639	711	642	568	639	61
15°	602	802	613	376	602	169
25°	534	428	546	273	534	245
35°	439	211	453	201	439	274
45°	329	146	343	143	329	254
55°	222	102	234	100	222	200
65°	134	53	142	60	134	133
75°	63	28	69	32	63	68
85°	14	8	15	8	14	16
90°	1	38	1	38	1	4
95°	41	133	41	133	41	42
105°	142	1314	142	1314	142	151
115°	251	1729	251	1729	251	249
125°	350	1403	350	1403	350	311
135°	410	1162	410	1162	410	317
145°	469	928	469	928	469	294
155°	533	780	533	780	533	245
165°	581	684	581	684	581	164
175°	605	617	605	617	605	57
180°	606	606	606	606	606	

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	642.8	645.5	646.8	648.6	652.6	655.3	659.3	660.2	659.7	661.5	656.6
5°	639.3	645.1	650.4	654.8	661.9	666.4	671.3	677.0	678.4	685.0	681.0
7.5°	634.4	642.8	650.4	659.3	669.9	675.7	683.2	692.1	696.1	704.1	706.3
10°	626.4	638.4	651.3	660.6	675.2	685.5	692.6	706.8	716.1	728.1	726.3
12.5°	613.5	629.1	646.4	661.9	681.0	687.7	701.0	715.6	727.6	738.7	748.5
15°	602.4	620.2	639.3	658.4	680.1	692.6	705.9	725.0	737.8	757.4	765.8
17.5°	587.3	610.0	632.6	653.9	679.7	693.9	710.3	729.0	748.1	766.7	773.4
20°	571.8	596.2	620.6	649.5	678.8	692.6	709.4	732.5	751.2	765.8	765.8
22.5°	553.2	582.9	610.9	638.4	670.4	690.3	707.7	734.7	748.1	751.2	739.2
25°	534.5	564.3	594.9	629.1	665.5	683.2	702.8	728.1	732.5	720.1	689.0
27.5°	512.3	545.6	580.2	617.1	655.3	677.5	695.2	712.1	703.7	670.4	622.0
30°	489.7	525.6	564.7	599.8	645.9	666.4	681.5	686.3	659.7	605.5	542.9
32.5°	466.1	501.2	542.5	584.7	631.3	650.8	660.6	647.7	598.9	530.5	454.2
35°	438.6	478.1	521.2	565.1	611.3	626.0	631.7	600.2	537.6	449.3	373.4
37.5°	413.8	453.3	499.4	544.3	589.1	597.1	591.3	542.1	462.6	375.1	301.0
40°	384.5	426.6	471.9	522.1	558.9	561.2	546.9	483.0	384.5	302.3	256.6
42.5°	357.4	400.0	445.3	496.3	524.3	516.8	497.7	413.8	321.0	260.6	223.8
45°	329.4	369.8	418.6	463.9	483.9	466.1	437.3	348.1	269.5	224.2	195.8
47.5°	302.3	340.1	388.5	432.0	435.5	415.5	381.4	291.7	233.5	197.1	174.0
50°	275.7	313.4	358.7	394.7	391.1	363.6	325.0	253.5	202.9	174.0	154.9
52.5°	249.1	283.2	327.2	355.6	340.5	313.9	275.7	214.9	177.1	151.8	137.2
55°	222.4	254.4	292.1	315.6	291.7	261.0	234.0	184.2	153.6	133.2	122.1
57.5°	200.2	225.5	260.2	274.4	245.5	221.5	198.0	158.5	133.2	118.5	105.7
60°	175.8	198.9	227.3	235.7	206.0	186.5	166.5	134.1	114.1	101.2	92.8
62.5°	154.9	174.0	195.8	195.8	169.6	154.9	139.8	112.3	95.9	85.7	81.7
65°	134.5	148.3	163.8	162.0	139.8	127.0	115.0	92.8	80.4	73.3	69.3
67.5°	114.5	125.2	135.4	129.2	113.2	102.1	91.0	75.0	66.6	61.7	56.4
70°	96.3	104.8	110.1	104.3	88.3	79.0	71.0	60.4	53.7	47.5	44.4
72.5°	80.8	84.4	86.1	79.0	65.7	60.4	54.6	47.1	41.3	38.2	37.3
75°	63.0	66.1	64.8	59.5	48.4	44.4	40.0	34.6	33.3	31.5	30.6
77.5°	49.3	49.3	47.1	42.2	34.6	31.5	29.7	27.1	25.7	25.3	24.4
80°	35.1	34.6	33.3	28.0	23.5	21.8	21.8	20.0	19.5	18.6	18.6
82.5°	23.1	23.1	21.3	16.9	15.5	15.1	14.7	13.8	13.8	13.3	13.3
85°	13.8	12.9	10.7	9.3	8.9	8.9	8.4	8.0	8.4	8.0	8.0
87.5°	6.2	4.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
90°	1.2	4.7	9.3	11.7	14.0	15.8	17.5	23.3	31.5	38.5	39.6
92.5°	17.5	24.5	33.8	39.6	49.0	55.4	61.8	93.3	137.6	177.2	179.6
95°	40.8	45.5	57.1	67.6	86.3	100.3	114.3	167.9	269.3	404.6	457.0
97.5°	60.6	67.6	80.4	95.6	116.6	132.4	148.1	216.9	357.9	576.0	745.0
100°	89.8	93.3	103.8	122.4	145.7	162.0	178.4	240.2	382.4	634.3	921.1
102.5°	116.6	118.9	129.4	148.1	172.6	188.9	205.2	261.2	383.6	612.1	926.9
105°	142.2	146.9	155.1	172.6	198.2	214.6	230.9	285.6	389.4	581.8	863.9
107.5°	170.2	173.7	181.9	198.2	223.9	240.2	256.5	310.1	402.2	565.5	805.6
110°	198.2	202.9	209.9	225.0	249.5	266.4	283.3	334.6	418.6	560.8	766.0

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	223.9	228.5	236.7	250.7	274.0	291.5	309.0	357.9	436.1	562.0	740.4
115°	250.7	256.5	263.5	277.5	300.8	316.6	332.3	382.4	453.5	566.6	722.9
117.5°	278.7	283.3	290.3	303.1	325.3	341.6	357.9	404.6	472.2	573.6	713.5
120°	304.3	309.0	316.0	326.5	349.8	366.1	382.4	427.9	490.8	580.6	705.4
122.5°	328.8	332.3	339.3	350.9	374.3	391.2	408.1	450.0	507.2	588.8	700.7
125°	349.8	353.3	360.3	374.3	397.6	413.9	430.2	472.2	524.7	596.9	694.9
127.5°	367.3	371.9	381.3	396.4	418.6	435.5	452.4	493.2	541.0	605.1	691.4
130°	382.4	387.1	398.7	415.1	438.4	454.7	471.0	511.8	556.1	614.4	689.1
132.5°	396.4	402.2	415.1	432.6	457.0	473.4	489.7	528.2	571.3	623.8	687.9
135°	410.4	415.1	429.1	446.5	473.4	489.7	506.0	543.3	584.1	630.8	686.7
137.5°	423.2	429.1	443.0	461.7	488.5	503.6	518.8	556.1	594.6	637.8	686.7
140°	438.4	443.0	457.0	475.7	501.3	516.5	531.7	566.6	602.8	642.4	685.6
142.5°	453.5	457.0	469.9	488.5	513.0	527.0	541.0	574.8	609.8	645.9	685.6
145°	468.7	473.4	485.0	502.5	525.8	538.6	551.5	583.0	615.6	648.2	683.2
147.5°	485.0	488.5	500.2	516.5	536.3	548.0	559.6	590.0	619.1	649.4	679.7
150°	501.3	504.8	514.2	529.3	546.8	557.3	567.8	594.6	621.4	648.2	676.2
152.5°	517.7	518.8	528.2	541.0	557.3	566.6	576.0	599.3	622.6	645.9	670.4
155°	532.8	534.0	541.0	553.8	566.6	575.4	584.1	603.9	623.8	643.6	663.4
157.5°	545.6	546.8	552.6	564.3	574.8	582.4	590.0	607.4	623.8	638.9	656.4
160°	558.5	559.6	564.3	573.6	583.0	589.4	595.8	609.8	623.8	635.4	649.4
162.5°	571.3	570.1	574.8	581.8	590.0	594.6	599.3	610.9	622.6	631.9	643.6
165°	580.6	579.5	581.8	588.8	594.6	598.1	601.6	612.1	620.3	627.3	635.4
167.5°	588.8	587.6	590.0	594.6	599.3	601.6	603.9	612.1	619.1	622.6	628.4
170°	596.9	594.6	595.8	599.3	601.6	603.4	605.1	610.9	616.8	619.1	622.6
172.5°	601.6	600.4	599.3	602.8	603.9	605.1	606.3	609.8	613.3	614.4	615.6
175°	605.1	603.9	602.8	605.1	605.1	605.7	606.3	608.6	610.9	609.8	610.9
177.5°	607.4	605.1	603.9	606.3	606.3	606.3	606.3	607.4	609.8	607.4	606.3
180°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	661.5	662.4	663.7	669.9	670.8	672.6	671.7	671.7	672.1	671.3	671.7
5°	689.9	691.2	697.9	705.4	707.2	705.4	707.7	710.8	710.8	710.8	709.9
7.5°	716.5	721.4	729.0	740.1	742.3	744.5	748.5	745.8	746.7	750.7	749.4
10°	742.3	749.4	757.8	767.1	772.0	775.1	776.9	780.9	790.2	779.6	783.6
12.5°	766.7	776.9	785.8	796.0	799.6	803.5	804.9	808.4	808.4	808.0	811.1
15°	782.7	792.0	800.0	806.7	807.5	806.7	805.8	806.2	807.5	802.2	805.3
17.5°	786.2	787.1	789.8	787.1	787.6	778.2	772.9	771.6	759.2	759.6	769.8
20°	768.9	753.8	749.8	735.2	726.3	702.3	701.4	694.8	668.6	676.6	674.8
22.5°	721.4	695.7	661.5	644.6	636.2	610.9	591.3	577.6	568.3	558.9	554.9
25°	658.8	617.1	568.7	535.4	530.5	507.0	471.0	454.2	434.2	428.0	438.6
27.5°	578.0	523.9	469.3	418.2	408.9	387.6	369.4	357.4	334.3	333.0	333.8
30°	468.4	413.8	368.0	334.7	311.7	301.9	289.9	281.0	271.7	275.2	276.1
32.5°	384.9	333.0	290.3	272.6	261.9	255.7	245.5	239.7	235.7	234.4	234.0
35°	305.9	271.3	252.2	234.8	228.6	224.2	216.6	214.0	210.4	210.9	210.9
37.5°	261.9	233.1	218.9	210.0	204.2	202.0	197.1	194.4	192.2	191.3	192.7
40°	226.0	206.0	197.1	189.1	184.2	183.4	180.7	177.6	174.9	175.4	176.7
42.5°	199.8	188.2	177.6	171.4	167.8	166.5	164.3	162.0	162.0	160.7	160.3
45°	178.9	169.6	160.7	154.9	152.7	150.9	148.3	147.8	146.1	146.5	146.9
47.5°	160.3	152.7	146.1	140.3	138.1	137.6	135.0	133.2	133.2	132.7	132.3
50°	143.4	135.8	130.1	127.0	123.9	123.0	122.5	122.1	121.2	121.2	121.6
52.5°	129.6	122.1	117.6	115.0	113.2	112.3	112.3	111.9	111.9	111.9	111.4
55°	114.5	108.3	104.8	103.9	103.0	102.6	102.1	101.2	100.8	101.7	100.8
57.5°	100.3	98.1	95.0	94.1	91.9	91.9	90.6	89.7	88.8	89.7	89.7
60°	89.2	86.1	84.4	81.7	79.9	78.1	75.9	75.5	74.6	74.1	73.7
62.5°	77.7	75.0	70.6	66.6	63.9	62.2	61.3	60.8	60.8	60.4	60.4
65°	64.8	58.6	56.4	55.0	54.6	54.2	53.3	52.8	53.3	52.8	53.3
67.5°	50.6	49.7	48.4	47.5	47.1	46.6	46.6	46.2	46.2	46.2	46.2
70°	44.0	41.7	41.3	40.4	40.4	40.0	40.0	40.0	40.0	39.5	40.4
72.5°	36.4	35.1	34.6	34.2	34.2	34.2	33.7	33.7	33.7	33.3	33.7
75°	29.7	29.3	28.4	28.4	28.0	28.4	28.0	28.0	27.5	28.0	28.0
77.5°	24.0	23.5	23.1	23.1	22.6	22.6	22.6	22.6	22.6	22.6	23.1
80°	18.2	17.8	17.3	17.8	17.3	17.8	17.3	17.3	17.8	17.3	17.3
82.5°	13.3	12.9	12.9	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
85°	8.0	7.5	7.5	8.0	7.5	8.0	7.5	7.5	7.5	8.0	8.0
87.5°	3.6	4.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.0
90°	38.5	37.3	35.0	37.3	37.9	38.5	38.5	38.5	38.5	38.5	38.5
92.5°	150.4	117.8	100.3	87.4	82.8	78.1	77.0	72.3	73.5	71.1	73.5
95°	399.9	305.5	234.3	185.4	172.6	159.7	144.6	135.2	131.7	132.9	131.7
97.5°	750.8	624.9	499.0	381.3	346.3	311.3	265.8	242.5	229.7	222.7	229.7
100°	1089.0	1064.5	919.9	760.2	689.7	619.1	522.3	472.2	438.4	417.4	438.4
102.5°	1214.9	1352.5	1347.8	1241.7	1165.9	1090.1	982.9	888.4	844.1	813.8	844.1
105°	1174.1	1416.6	1548.3	1563.5	1544.2	1525.0	1452.7	1380.4	1330.3	1314.0	1330.3
107.5°	1087.8	1347.8	1543.7	1657.9	1681.2	1704.6	1703.4	1692.9	1677.7	1650.9	1677.7
110°	1007.3	1253.4	1462.1	1611.3	1659.1	1706.9	1757.0	1779.2	1789.7	1788.5	1789.7

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	951.4	1167.1	1365.3	1527.3	1583.8	1640.4	1715.1	1755.9	1778.0	1786.2	1778.0
115°	907.1	1099.5	1279.0	1431.7	1491.8	1551.8	1634.6	1688.2	1718.6	1729.0	1718.6
117.5°	876.8	1043.5	1204.4	1346.6	1403.8	1460.9	1546.0	1603.1	1634.6	1642.8	1634.6
120°	853.4	1003.8	1148.4	1272.0	1325.0	1378.1	1459.7	1514.5	1548.3	1560.0	1548.3
122.5°	833.6	972.4	1101.8	1217.2	1263.8	1310.5	1381.6	1435.2	1464.4	1473.7	1464.4
125°	815.0	942.1	1062.1	1164.7	1208.4	1252.2	1319.8	1364.1	1393.3	1402.6	1393.3
127.5°	797.5	911.7	1022.5	1120.4	1161.2	1202.1	1261.5	1303.5	1329.1	1336.1	1329.1
130°	780.0	882.6	982.9	1075.0	1113.4	1151.9	1209.0	1248.7	1272.0	1281.3	1272.0
132.5°	766.0	854.6	945.6	1028.3	1063.9	1099.5	1155.4	1195.1	1216.0	1224.2	1216.0
135°	753.2	829.0	905.9	982.9	1015.6	1048.2	1098.3	1136.8	1157.7	1162.4	1157.7
137.5°	743.9	808.0	874.4	937.4	966.6	995.7	1043.5	1077.3	1096.0	1103.0	1096.0
140°	735.7	788.2	844.1	897.8	923.4	949.1	986.4	1016.7	1034.2	1041.2	1034.2
142.5°	727.5	771.8	817.3	861.6	882.0	902.4	937.4	964.2	979.4	979.4	979.4
145°	720.5	756.7	795.2	831.3	848.2	865.1	893.1	912.9	924.6	928.1	924.6
147.5°	713.5	745.0	776.5	805.6	818.4	831.3	855.8	872.1	880.3	882.6	880.3
150°	704.2	732.2	757.8	782.3	792.8	803.3	820.8	834.8	841.8	843.0	841.8
152.5°	696.0	719.4	742.7	762.5	771.2	780.0	792.8	804.5	809.1	809.1	809.1
155°	685.6	707.7	726.4	743.9	750.3	756.7	769.5	777.7	782.3	780.0	782.3
157.5°	676.2	693.7	710.0	725.2	730.4	735.7	745.0	752.0	754.3	754.3	754.3
160°	665.7	680.9	693.7	706.5	710.6	714.7	722.9	728.7	729.9	729.9	729.9
162.5°	656.4	668.1	678.6	689.1	692.0	694.9	703.0	706.5	707.7	706.5	707.7
165°	645.9	655.2	663.4	671.6	673.9	676.2	680.9	685.6	685.6	684.4	685.6
167.5°	635.4	642.4	649.4	655.2	657.6	659.9	662.2	664.6	664.6	663.4	664.6
170°	627.3	633.1	636.6	641.3	642.4	643.6	644.7	648.2	647.1	644.7	647.1
172.5°	619.1	622.6	624.9	628.4	629.0	629.6	630.8	631.9	630.8	629.6	630.8
175°	612.1	615.6	616.8	617.9	618.5	619.1	619.1	620.3	619.1	616.8	619.1
177.5°	607.4	609.8	609.8	610.9	610.9	610.9	610.9	610.9	609.8	607.4	609.8
180°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	673.5	670.4	669.5	670.4	669.5	669.9	666.8	655.3	658.4	653.5	656.2
5°	711.7	709.0	703.2	702.3	701.4	700.6	696.1	685.9	681.9	675.2	674.8
7.5°	748.1	748.1	743.6	740.5	736.5	733.4	727.6	712.5	706.3	698.3	693.9
10°	784.0	772.5	777.4	774.2	764.5	762.7	752.1	743.2	731.2	723.2	716.1
12.5°	809.8	806.2	801.8	799.1	796.4	790.7	783.6	760.9	754.7	738.7	730.7
15°	808.9	806.7	808.0	808.0	807.1	805.8	800.0	783.6	772.9	757.4	743.6
17.5°	765.4	771.1	776.9	780.9	789.8	793.8	799.1	789.3	782.7	769.4	754.7
20°	689.5	703.7	720.5	724.1	732.1	755.6	766.3	774.7	777.4	772.9	760.9
22.5°	583.8	595.8	636.6	635.7	647.3	675.2	706.3	731.6	751.6	762.7	758.3
25°	457.3	474.1	495.9	512.3	550.1	591.8	630.4	670.8	705.4	736.1	743.6
27.5°	345.8	368.0	385.3	407.1	426.2	475.5	525.2	588.2	628.6	686.8	717.0
30°	279.7	289.9	307.2	317.4	326.7	364.5	420.9	483.0	554.0	621.1	673.0
32.5°	238.8	245.9	258.8	263.3	273.0	298.3	333.8	390.7	463.9	545.2	613.5
35°	214.4	222.0	224.6	228.6	236.6	252.6	277.0	318.3	384.5	463.9	545.6
37.5°	193.6	197.6	205.1	207.8	210.4	222.4	238.8	267.7	311.7	376.9	467.5
40°	178.9	181.1	185.1	187.3	189.1	197.6	212.2	231.7	264.1	313.9	397.3
42.5°	163.4	166.0	168.7	171.4	173.6	180.2	189.1	207.8	229.5	267.3	327.6
45°	148.3	150.1	153.2	154.9	158.0	163.4	171.4	184.2	203.8	227.7	276.6
47.5°	134.5	136.7	138.1	140.3	142.5	148.3	155.8	164.3	180.2	203.8	239.3
50°	122.1	124.7	126.5	127.0	128.7	134.1	140.3	149.6	159.8	178.0	209.1
52.5°	113.2	113.7	115.0	116.8	116.3	119.4	125.2	132.3	143.0	157.6	180.2
55°	103.0	104.3	105.2	105.7	105.7	108.3	111.4	118.1	126.5	138.5	157.6
57.5°	90.1	91.5	94.1	95.0	96.3	97.7	99.0	103.4	110.5	122.1	137.6
60°	76.8	77.7	80.4	82.1	83.0	86.6	88.3	91.9	95.9	104.3	119.0
62.5°	61.7	62.6	63.9	65.7	67.5	72.8	77.2	80.8	83.9	89.7	101.7
65°	53.7	54.2	55.0	55.5	55.9	58.2	62.2	67.0	72.8	77.2	84.4
67.5°	46.6	47.1	47.5	48.4	48.8	49.3	51.1	52.4	58.2	64.4	69.7
70°	40.0	40.8	41.3	41.3	41.7	42.6	43.5	45.3	47.1	50.2	56.8
72.5°	33.7	34.2	35.1	35.1	35.1	36.0	36.8	37.7	38.6	40.4	43.1
75°	28.0	28.9	28.9	28.9	29.3	29.3	30.2	31.1	32.0	33.3	34.2
77.5°	23.1	23.1	23.1	23.1	23.5	23.5	24.0	24.9	25.3	25.7	26.6
80°	17.3	17.8	17.8	17.8	18.2	18.2	18.2	19.1	19.5	19.5	20.4
82.5°	12.9	12.9	12.9	13.3	12.9	13.3	13.3	13.8	13.3	13.8	14.2
85°	8.0	8.0	8.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.9
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.4	4.0	4.0
90°	38.5	38.5	38.5	37.9	37.3	35.0	37.3	38.5	39.6	38.5	31.5
92.5°	72.3	77.0	78.1	82.8	87.4	100.3	117.8	150.4	179.6	177.2	137.6
95°	135.2	144.6	159.7	172.6	185.4	234.3	305.5	399.9	457.0	404.6	269.3
97.5°	242.5	265.8	311.3	346.3	381.3	499.0	624.9	750.8	745.0	576.0	357.9
100°	472.2	522.3	619.1	689.7	760.2	919.9	1064.5	1089.0	921.1	634.3	382.4
102.5°	888.4	982.9	1090.1	1165.9	1241.7	1347.8	1352.5	1214.9	926.9	612.1	383.6
105°	1380.4	1452.7	1525.0	1544.2	1563.5	1548.3	1416.6	1174.1	863.9	581.8	389.4
107.5°	1692.9	1703.4	1704.6	1681.2	1657.9	1543.7	1347.8	1087.8	805.6	565.5	402.2
110°	1779.2	1757.0	1706.9	1659.1	1611.3	1462.1	1253.4	1007.3	766.0	560.8	418.6

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1755.9	1715.1	1640.4	1583.8	1527.3	1365.3	1167.1	951.4	740.4	562.0	436.1
115°	1688.2	1634.6	1551.8	1491.8	1431.7	1279.0	1099.5	907.1	722.9	566.6	453.5
117.5°	1603.1	1546.0	1460.9	1403.8	1346.6	1204.4	1043.5	876.8	713.5	573.6	472.2
120°	1514.5	1459.7	1378.1	1325.0	1272.0	1148.4	1003.8	853.4	705.4	580.6	490.8
122.5°	1435.2	1381.6	1310.5	1263.8	1217.2	1101.8	972.4	833.6	700.7	588.8	507.2
125°	1364.1	1319.8	1252.2	1208.4	1164.7	1062.1	942.1	815.0	694.9	596.9	524.7
127.5°	1303.5	1261.5	1202.1	1161.2	1120.4	1022.5	911.7	797.5	691.4	605.1	541.0
130°	1248.7	1209.0	1151.9	1113.4	1075.0	982.9	882.6	780.0	689.1	614.4	556.1
132.5°	1195.1	1155.4	1099.5	1063.9	1028.3	945.6	854.6	766.0	687.9	623.8	571.3
135°	1136.8	1098.3	1048.2	1015.6	982.9	905.9	829.0	753.2	686.7	630.8	584.1
137.5°	1077.3	1043.5	995.7	966.6	937.4	874.4	808.0	743.9	686.7	637.8	594.6
140°	1016.7	986.4	949.1	923.4	897.8	844.1	788.2	735.7	685.6	642.4	602.8
142.5°	964.2	937.4	902.4	882.0	861.6	817.3	771.8	727.5	685.6	645.9	609.8
145°	912.9	893.1	865.1	848.2	831.3	795.2	756.7	720.5	683.2	648.2	615.6
147.5°	872.1	855.8	831.3	818.4	805.6	776.5	745.0	713.5	679.7	649.4	619.1
150°	834.8	820.8	803.3	792.8	782.3	757.8	732.2	704.2	676.2	648.2	621.4
152.5°	804.5	792.8	780.0	771.2	762.5	742.7	719.4	696.0	670.4	645.9	622.6
155°	777.7	769.5	756.7	750.3	743.9	726.4	707.7	685.6	663.4	643.6	623.8
157.5°	752.0	745.0	735.7	730.4	725.2	710.0	693.7	676.2	656.4	638.9	623.8
160°	728.7	722.9	714.7	710.6	706.5	693.7	680.9	665.7	649.4	635.4	623.8
162.5°	706.5	703.0	694.9	692.0	689.1	678.6	668.1	656.4	643.6	631.9	622.6
165°	685.6	680.9	676.2	673.9	671.6	663.4	655.2	645.9	635.4	627.3	620.3
167.5°	664.6	662.2	659.9	657.6	655.2	649.4	642.4	635.4	628.4	622.6	619.1
170°	648.2	644.7	643.6	642.4	641.3	636.6	633.1	627.3	622.6	619.1	616.8
172.5°	631.9	630.8	629.6	629.0	628.4	624.9	622.6	619.1	615.6	614.4	613.3
175°	620.3	619.1	619.1	618.5	617.9	616.8	615.6	612.1	610.9	609.8	610.9
177.5°	610.9	610.9	610.9	610.9	610.9	609.8	609.8	607.4	606.3	607.4	609.8
180°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	652.2	649.9	649.9	648.6	648.6	641.5	641.5	643.7	641.1	638.0	633.5
5°	669.0	664.1	662.8	661.0	655.3	646.4	642.8	641.5	636.2	629.5	622.0
7.5°	685.0	677.0	673.0	669.0	661.5	649.1	642.0	637.1	629.1	618.9	609.1
10°	700.6	690.3	680.1	675.2	664.6	649.1	638.8	630.9	619.3	605.5	591.8
12.5°	714.8	693.4	691.7	681.9	666.4	648.6	633.1	621.5	606.9	590.9	574.9
15°	727.2	705.4	694.8	685.9	665.5	643.3	626.9	612.6	593.1	574.9	555.4
17.5°	733.4	709.9	702.8	688.1	667.3	638.4	616.2	598.9	577.6	555.8	533.6
20°	739.6	712.1	700.6	690.3	661.9	629.1	604.2	584.2	560.7	535.0	510.5
22.5°	742.7	712.1	698.3	684.1	656.6	618.9	589.6	566.0	538.5	512.3	483.0
25°	737.4	709.4	693.0	678.4	647.3	606.4	572.7	546.1	516.8	487.0	457.3
27.5°	724.1	703.2	684.1	669.0	634.4	590.5	554.9	524.7	494.6	461.3	431.1
30°	699.2	689.9	674.8	657.9	620.2	576.2	534.1	503.0	469.7	436.4	404.9
32.5°	660.6	668.6	658.8	644.2	603.3	556.7	511.9	480.4	443.9	408.0	379.1
35°	613.5	642.0	636.6	626.4	585.6	535.8	491.0	452.8	416.4	380.0	351.2
37.5°	562.0	605.1	609.5	603.3	565.1	514.5	465.3	428.0	390.7	353.8	324.5
40°	491.5	557.6	571.8	574.5	543.8	488.8	437.3	400.9	364.0	328.1	292.6
42.5°	426.6	510.1	527.9	539.0	516.8	463.5	411.5	371.1	334.7	302.3	266.8
45°	365.8	452.8	481.7	495.9	486.1	434.6	380.9	343.2	309.9	280.1	245.9
47.5°	303.2	390.7	431.1	453.7	453.7	405.3	351.6	314.3	282.4	257.0	226.9
50°	261.5	334.3	376.0	405.8	413.8	375.6	325.0	288.6	258.4	230.9	207.8
52.5°	222.9	288.1	322.8	353.8	376.9	343.6	295.2	262.4	232.6	206.9	188.7
55°	192.7	241.5	273.0	307.2	333.0	311.2	266.4	234.4	208.7	187.3	171.8
57.5°	163.8	206.4	232.2	262.4	289.9	273.5	237.5	210.0	187.3	168.7	154.9
60°	139.4	174.0	194.0	217.5	251.7	240.2	210.4	185.1	166.9	150.1	138.5
62.5°	118.5	146.1	162.9	179.8	210.9	205.5	182.5	162.9	147.4	133.2	123.4
65°	97.2	119.9	133.2	147.8	172.7	174.9	156.3	142.5	128.3	115.9	107.0
67.5°	78.6	96.3	108.3	120.8	140.7	146.9	134.1	122.5	110.5	100.3	92.3
70°	63.5	75.9	84.8	94.6	111.0	118.5	111.9	103.9	94.1	85.7	78.6
72.5°	50.2	58.2	63.5	71.0	84.4	91.9	91.5	84.4	77.2	71.5	65.7
75°	36.8	43.1	47.5	52.4	63.0	70.1	71.9	68.8	61.7	57.3	52.8
77.5°	28.0	31.5	33.7	37.3	44.8	51.1	53.7	52.8	47.9	44.4	41.3
80°	21.3	22.2	23.1	24.4	30.6	36.4	38.2	37.7	35.1	33.7	30.2
82.5°	15.1	15.5	16.0	16.4	18.6	23.5	25.3	26.2	24.0	22.6	19.5
85°	8.9	9.3	9.3	10.2	10.7	12.0	15.1	15.1	14.7	12.9	12.4
87.5°	4.4	4.4	4.0	4.0	4.4	4.9	5.8	6.7	5.8	5.3	4.9
90°	23.3	17.5	15.8	14.0	11.7	9.3	4.7	1.2	4.7	9.3	11.7
92.5°	93.3	61.8	55.4	49.0	39.6	33.8	24.5	17.5	24.5	33.8	39.6
95°	167.9	114.3	100.3	86.3	67.6	57.1	45.5	40.8	45.5	57.1	67.6
97.5°	216.9	148.1	132.4	116.6	95.6	80.4	67.6	60.6	67.6	80.4	95.6
100°	240.2	178.4	162.0	145.7	122.4	103.8	93.3	89.8	93.3	103.8	122.4
102.5°	261.2	205.2	188.9	172.6	148.1	129.4	118.9	116.6	118.9	129.4	148.1
105°	285.6	230.9	214.6	198.2	172.6	155.1	146.9	142.2	146.9	155.1	172.6
107.5°	310.1	256.5	240.2	223.9	198.2	181.9	173.7	170.2	173.7	181.9	198.2
110°	334.6	283.3	266.4	249.5	225.0	209.9	202.9	198.2	202.9	209.9	225.0

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	357.9	309.0	291.5	274.0	250.7	236.7	228.5	223.9	228.5	236.7	250.7
115°	382.4	332.3	316.6	300.8	277.5	263.5	256.5	250.7	256.5	263.5	277.5
117.5°	404.6	357.9	341.6	325.3	303.1	290.3	283.3	278.7	283.3	290.3	303.1
120°	427.9	382.4	366.1	349.8	326.5	316.0	309.0	304.3	309.0	316.0	326.5
122.5°	450.0	408.1	391.2	374.3	350.9	339.3	332.3	328.8	332.3	339.3	350.9
125°	472.2	430.2	413.9	397.6	374.3	360.3	353.3	349.8	353.3	360.3	374.3
127.5°	493.2	452.4	435.5	418.6	396.4	381.3	371.9	367.3	371.9	381.3	396.4
130°	511.8	471.0	454.7	438.4	415.1	398.7	387.1	382.4	387.1	398.7	415.1
132.5°	528.2	489.7	473.4	457.0	432.6	415.1	402.2	396.4	402.2	415.1	432.6
135°	543.3	506.0	489.7	473.4	446.5	429.1	415.1	410.4	415.1	429.1	446.5
137.5°	556.1	518.8	503.6	488.5	461.7	443.0	429.1	423.2	429.1	443.0	461.7
140°	566.6	531.7	516.5	501.3	475.7	457.0	443.0	438.4	443.0	457.0	475.7
142.5°	574.8	541.0	527.0	513.0	488.5	469.9	457.0	453.5	457.0	469.9	488.5
145°	583.0	551.5	538.6	525.8	502.5	485.0	473.4	468.7	473.4	485.0	502.5
147.5°	590.0	559.6	548.0	536.3	516.5	500.2	488.5	485.0	488.5	500.2	516.5
150°	594.6	567.8	557.3	546.8	529.3	514.2	504.8	501.3	504.8	514.2	529.3
152.5°	599.3	576.0	566.6	557.3	541.0	528.2	518.8	517.7	518.8	528.2	541.0
155°	603.9	584.1	575.4	566.6	553.8	541.0	534.0	532.8	534.0	541.0	553.8
157.5°	607.4	590.0	582.4	574.8	564.3	552.6	546.8	545.6	546.8	552.6	564.3
160°	609.8	595.8	589.4	583.0	573.6	564.3	559.6	558.5	559.6	564.3	573.6
162.5°	610.9	599.3	594.6	590.0	581.8	574.8	570.1	571.3	570.1	574.8	581.8
165°	612.1	601.6	598.1	594.6	588.8	581.8	579.5	580.6	579.5	581.8	588.8
167.5°	612.1	603.9	601.6	599.3	594.6	590.0	587.6	588.8	587.6	590.0	594.6
170°	610.9	605.1	603.4	601.6	599.3	595.8	594.6	596.9	594.6	595.8	599.3
172.5°	609.8	606.3	605.1	603.9	602.8	599.3	600.4	601.6	600.4	599.3	602.8
175°	608.6	606.3	605.7	605.1	605.1	602.8	603.9	605.1	603.9	602.8	605.1
177.5°	607.4	606.3	606.3	606.3	606.3	603.9	605.1	607.4	605.1	603.9	606.3
180°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	631.7	632.2	633.5	629.5	623.3	620.6	612.6	611.3	610.0	610.0	611.3
5°	617.5	615.8	616.2	608.7	599.8	594.4	583.3	585.1	579.4	575.8	576.7
7.5°	602.0	597.1	596.7	586.9	575.8	566.0	554.5	551.8	546.5	540.3	537.6
10°	582.5	578.9	572.3	561.2	546.9	539.0	523.4	514.1	512.8	503.4	499.9
12.5°	562.5	556.3	549.6	534.1	518.1	505.2	493.7	483.5	476.4	468.4	463.0
15°	539.4	531.9	524.3	507.9	489.2	476.4	459.0	443.9	423.1	406.7	397.3
17.5°	514.1	505.7	495.4	477.2	459.0	441.3	409.3	391.6	376.9	367.1	361.4
20°	487.9	478.6	468.4	450.2	418.6	387.6	369.8	356.0	347.2	337.4	330.3
22.5°	460.4	450.6	439.5	411.1	377.8	356.0	342.3	329.4	316.5	311.2	307.7
25°	434.6	425.7	411.5	372.9	346.7	326.7	311.2	302.8	296.1	289.0	282.4
27.5°	408.0	391.6	371.6	339.2	322.8	302.3	291.2	285.0	273.5	268.6	265.5
30°	376.0	357.8	338.7	315.6	296.6	282.4	272.1	261.9	255.3	250.4	245.1
32.5°	343.6	326.3	314.3	290.3	276.1	261.5	251.7	245.5	235.7	232.6	230.4
35°	315.6	301.0	290.3	270.8	257.5	244.2	237.1	227.7	221.5	215.8	212.2
37.5°	288.1	280.1	269.0	252.6	238.4	227.7	218.0	214.9	206.4	203.3	199.8
40°	269.0	257.0	247.7	233.5	221.5	210.0	203.8	196.7	190.9	186.0	184.7
42.5°	245.9	237.1	231.7	216.2	203.8	197.1	189.6	181.6	177.1	173.1	168.3
45°	228.6	220.6	213.1	200.7	189.6	181.1	174.5	169.1	161.6	159.8	152.3
47.5°	210.4	202.4	196.7	184.2	174.0	166.0	161.2	154.1	147.8	143.8	140.3
50°	192.2	185.6	180.2	169.6	160.7	152.3	145.6	138.5	135.8	129.2	127.0
52.5°	174.9	170.5	164.7	154.5	145.6	138.5	131.4	125.6	121.6	118.1	115.4
55°	160.3	153.2	150.5	139.4	131.9	124.3	118.1	114.5	109.7	107.4	105.2
57.5°	143.8	139.8	135.4	127.0	118.5	111.4	107.0	101.7	99.0	96.3	94.6
60°	129.6	123.9	120.3	113.2	105.7	99.0	95.0	91.0	87.5	85.2	81.7
62.5°	113.2	108.8	106.5	99.0	92.8	86.6	83.0	79.0	76.4	72.4	67.9
65°	99.0	95.4	92.8	86.6	80.8	75.0	71.5	66.6	63.0	60.8	60.4
67.5°	86.6	83.9	79.9	74.1	68.4	63.9	59.9	55.9	55.5	54.6	54.6
70°	72.8	70.1	67.9	61.7	56.8	51.9	51.1	49.7	48.4	47.9	47.1
72.5°	60.8	58.6	55.9	50.6	45.7	44.4	43.5	42.6	41.3	40.8	40.4
75°	49.3	46.2	44.4	39.5	38.2	37.3	36.4	35.1	34.2	33.7	32.9
77.5°	37.7	34.6	34.6	32.0	31.1	29.7	28.9	28.0	27.5	26.6	26.6
80°	26.6	26.6	25.7	24.4	23.1	22.6	21.3	20.9	20.4	20.9	20.0
82.5°	19.5	17.8	17.8	16.9	16.0	15.5	14.7	14.7	14.2	14.2	14.2
85°	11.1	11.1	10.7	9.8	9.3	9.3	8.9	8.9	8.4	8.4	8.0
87.5°	4.4	4.0	4.4	4.0	4.0	3.6	3.6	3.6	3.1	3.6	3.1
90°	14.0	15.8	17.5	23.3	31.5	38.5	39.6	38.5	37.3	35.0	37.3
92.5°	49.0	55.4	61.8	93.3	137.6	177.2	179.6	150.4	117.8	100.3	87.4
95°	86.3	100.3	114.3	167.9	269.3	404.6	457.0	399.9	305.5	234.3	185.4
97.5°	116.6	132.4	148.1	216.9	357.9	576.0	745.0	750.8	624.9	499.0	381.3
100°	145.7	162.0	178.4	240.2	382.4	634.3	921.1	1089.0	1064.5	919.9	760.2
102.5°	172.6	188.9	205.2	261.2	383.6	612.1	926.9	1214.9	1352.5	1347.8	1241.7
105°	198.2	214.6	230.9	285.6	389.4	581.8	863.9	1174.1	1416.6	1548.3	1563.5
107.5°	223.9	240.2	256.5	310.1	402.2	565.5	805.6	1087.8	1347.8	1543.7	1657.9
110°	249.5	266.4	283.3	334.6	418.6	560.8	766.0	1007.3	1253.4	1462.1	1611.3

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	274.0	291.5	309.0	357.9	436.1	562.0	740.4	951.4	1167.1	1365.3	1527.3
115°	300.8	316.6	332.3	382.4	453.5	566.6	722.9	907.1	1099.5	1279.0	1431.7
117.5°	325.3	341.6	357.9	404.6	472.2	573.6	713.5	876.8	1043.5	1204.4	1346.6
120°	349.8	366.1	382.4	427.9	490.8	580.6	705.4	853.4	1003.8	1148.4	1272.0
122.5°	374.3	391.2	408.1	450.0	507.2	588.8	700.7	833.6	972.4	1101.8	1217.2
125°	397.6	413.9	430.2	472.2	524.7	596.9	694.9	815.0	942.1	1062.1	1164.7
127.5°	418.6	435.5	452.4	493.2	541.0	605.1	691.4	797.5	911.7	1022.5	1120.4
130°	438.4	454.7	471.0	511.8	556.1	614.4	689.1	780.0	882.6	982.9	1075.0
132.5°	457.0	473.4	489.7	528.2	571.3	623.8	687.9	766.0	854.6	945.6	1028.3
135°	473.4	489.7	506.0	543.3	584.1	630.8	686.7	753.2	829.0	905.9	982.9
137.5°	488.5	503.6	518.8	556.1	594.6	637.8	686.7	743.9	808.0	874.4	937.4
140°	501.3	516.5	531.7	566.6	602.8	642.4	685.6	735.7	788.2	844.1	897.8
142.5°	513.0	527.0	541.0	574.8	609.8	645.9	685.6	727.5	771.8	817.3	861.6
145°	525.8	538.6	551.5	583.0	615.6	648.2	683.2	720.5	756.7	795.2	831.3
147.5°	536.3	548.0	559.6	590.0	619.1	649.4	679.7	713.5	745.0	776.5	805.6
150°	546.8	557.3	567.8	594.6	621.4	648.2	676.2	704.2	732.2	757.8	782.3
152.5°	557.3	566.6	576.0	599.3	622.6	645.9	670.4	696.0	719.4	742.7	762.5
155°	566.6	575.4	584.1	603.9	623.8	643.6	663.4	685.6	707.7	726.4	743.9
157.5°	574.8	582.4	590.0	607.4	623.8	638.9	656.4	676.2	693.7	710.0	725.2
160°	583.0	589.4	595.8	609.8	623.8	635.4	649.4	665.7	680.9	693.7	706.5
162.5°	590.0	594.6	599.3	610.9	622.6	631.9	643.6	656.4	668.1	678.6	689.1
165°	594.6	598.1	601.6	612.1	620.3	627.3	635.4	645.9	655.2	663.4	671.6
167.5°	599.3	601.6	603.9	612.1	619.1	622.6	628.4	635.4	642.4	649.4	655.2
170°	601.6	603.4	605.1	610.9	616.8	619.1	622.6	627.3	633.1	636.6	641.3
172.5°	603.9	605.1	606.3	609.8	613.3	614.4	615.6	619.1	622.6	624.9	628.4
175°	605.1	605.7	606.3	608.6	610.9	609.8	610.9	612.1	615.6	616.8	617.9
177.5°	606.3	606.3	606.3	607.4	609.8	607.4	606.3	607.4	609.8	609.8	610.9
180°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	611.3	610.4	607.8	608.7	607.3	607.3	606.4	606.4	606.4	608.7	607.3
5°	578.0	574.9	571.8	570.5	569.1	567.8	567.8	567.4	571.4	570.5	574.0
7.5°	536.7	535.8	529.6	529.6	527.4	526.5	528.7	529.2	529.6	530.5	532.7
10°	499.9	497.7	488.8	489.7	488.3	486.6	487.9	487.0	490.1	491.0	490.1
12.5°	456.4	452.4	442.6	437.7	432.4	428.4	433.3	429.7	442.2	445.7	455.5
15°	398.7	391.1	384.5	384.5	379.6	376.0	378.2	382.2	384.9	388.9	390.7
17.5°	360.0	356.9	351.6	348.5	347.2	345.8	345.8	347.6	353.4	352.9	356.5
20°	327.2	325.4	322.8	318.8	317.4	316.5	316.5	316.5	320.5	324.1	326.3
22.5°	304.5	303.2	301.4	296.1	293.5	292.6	294.8	296.1	299.2	301.9	304.1
25°	281.9	278.8	275.7	273.9	272.6	272.6	273.5	273.9	275.2	276.6	279.2
27.5°	263.3	261.0	256.6	251.7	251.7	250.4	251.3	252.2	255.3	259.7	261.9
30°	242.4	242.0	240.2	238.4	236.6	235.7	237.5	238.8	239.3	241.5	241.5
32.5°	227.3	224.2	221.1	219.3	218.4	218.0	218.4	220.2	220.2	222.9	226.0
35°	212.2	210.4	207.3	204.2	203.3	201.1	202.9	204.7	207.8	209.1	210.4
37.5°	195.8	193.6	192.2	191.3	189.6	190.0	188.7	191.3	194.0	193.6	194.4
40°	183.4	179.4	175.4	174.9	174.5	174.0	174.0	174.5	176.2	178.0	180.7
42.5°	167.4	166.0	162.5	158.9	158.0	157.2	156.3	158.0	161.6	164.7	166.0
45°	150.9	149.2	148.3	145.6	143.8	143.4	142.5	144.7	147.8	149.2	150.1
47.5°	135.8	135.4	132.7	133.2	131.9	132.3	131.9	133.2	133.2	134.5	135.4
50°	125.6	124.3	123.0	122.1	120.8	120.8	120.3	120.8	122.5	124.3	123.9
52.5°	115.4	113.2	112.8	112.3	111.4	112.3	111.0	111.4	113.2	114.1	113.7
55°	103.4	103.0	102.1	101.2	100.8	100.3	100.3	100.3	102.1	103.4	103.9
57.5°	94.1	91.9	90.1	90.1	88.3	87.9	88.8	89.2	90.6	91.5	92.3
60°	81.2	80.4	77.7	76.4	73.7	73.3	73.3	75.0	77.2	80.4	81.2
62.5°	67.5	66.1	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.1	66.1
65°	59.9	60.4	59.9	59.5	59.9	59.9	59.5	59.5	59.5	59.9	60.4
67.5°	53.7	53.3	53.7	53.3	52.8	52.8	52.4	52.8	53.3	53.7	53.7
70°	46.6	46.6	46.2	46.6	46.2	45.7	45.3	45.3	46.2	46.6	46.6
72.5°	40.0	40.0	39.5	39.5	38.6	38.6	39.1	38.6	38.6	40.0	40.0
75°	33.3	32.9	32.4	32.4	32.0	32.0	32.0	31.5	32.4	32.4	32.9
77.5°	26.2	26.2	26.2	25.7	25.7	25.3	25.3	25.7	25.7	25.7	26.2
80°	20.0	20.0	20.0	19.5	19.1	19.1	19.1	19.1	19.1	19.5	19.1
82.5°	13.8	13.8	13.8	13.8	13.8	13.3	13.3	13.3	13.8	13.8	13.3
85°	8.4	8.0	8.4	8.4	8.0	8.4	8.0	8.0	7.5	7.5	8.0
87.5°	3.6	3.1	2.7	2.7	3.1	2.7	2.7	2.7	3.1	2.7	2.7
90°	37.9	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	37.9
92.5°	82.8	78.1	77.0	72.3	73.5	71.1	73.5	72.3	77.0	78.1	82.8
95°	172.6	159.7	144.6	135.2	131.7	132.9	131.7	135.2	144.6	159.7	172.6
97.5°	346.3	311.3	265.8	242.5	229.7	222.7	229.7	242.5	265.8	311.3	346.3
100°	689.7	619.1	522.3	472.2	438.4	417.4	438.4	472.2	522.3	619.1	689.7
102.5°	1165.9	1090.1	982.9	888.4	844.1	813.8	844.1	888.4	982.9	1090.1	1165.9
105°	1544.2	1525.0	1452.7	1380.4	1330.3	1314.0	1330.3	1380.4	1452.7	1525.0	1544.2
107.5°	1681.2	1704.6	1703.4	1692.9	1677.7	1650.9	1677.7	1692.9	1703.4	1704.6	1681.2
110°	1659.1	1706.9	1757.0	1779.2	1789.7	1788.5	1789.7	1779.2	1757.0	1706.9	1659.1

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1583.8	1640.4	1715.1	1755.9	1778.0	1786.2	1778.0	1755.9	1715.1	1640.4	1583.8
115°	1491.8	1551.8	1634.6	1688.2	1718.6	1729.0	1718.6	1688.2	1634.6	1551.8	1491.8
117.5°	1403.8	1460.9	1546.0	1603.1	1634.6	1642.8	1634.6	1603.1	1546.0	1460.9	1403.8
120°	1325.0	1378.1	1459.7	1514.5	1548.3	1560.0	1548.3	1514.5	1459.7	1378.1	1325.0
122.5°	1263.8	1310.5	1381.6	1435.2	1464.4	1473.7	1464.4	1435.2	1381.6	1310.5	1263.8
125°	1208.4	1252.2	1319.8	1364.1	1393.3	1402.6	1393.3	1364.1	1319.8	1252.2	1208.4
127.5°	1161.2	1202.1	1261.5	1303.5	1329.1	1336.1	1329.1	1303.5	1261.5	1202.1	1161.2
130°	1113.4	1151.9	1209.0	1248.7	1272.0	1281.3	1272.0	1248.7	1209.0	1151.9	1113.4
132.5°	1063.9	1099.5	1155.4	1195.1	1216.0	1224.2	1216.0	1195.1	1155.4	1099.5	1063.9
135°	1015.6	1048.2	1098.3	1136.8	1157.7	1162.4	1157.7	1136.8	1098.3	1048.2	1015.6
137.5°	966.6	995.7	1043.5	1077.3	1096.0	1103.0	1096.0	1077.3	1043.5	995.7	966.6
140°	923.4	949.1	986.4	1016.7	1034.2	1041.2	1034.2	1016.7	986.4	949.1	923.4
142.5°	882.0	902.4	937.4	964.2	979.4	979.4	979.4	964.2	937.4	902.4	882.0
145°	848.2	865.1	893.1	912.9	924.6	928.1	924.6	912.9	893.1	865.1	848.2
147.5°	818.4	831.3	855.8	872.1	880.3	882.6	880.3	872.1	855.8	831.3	818.4
150°	792.8	803.3	820.8	834.8	841.8	843.0	841.8	834.8	820.8	803.3	792.8
152.5°	771.2	780.0	792.8	804.5	809.1	809.1	809.1	804.5	792.8	780.0	771.2
155°	750.3	756.7	769.5	777.7	782.3	780.0	782.3	777.7	769.5	756.7	750.3
157.5°	730.4	735.7	745.0	752.0	754.3	754.3	754.3	752.0	745.0	735.7	730.4
160°	710.6	714.7	722.9	728.7	729.9	729.9	729.9	728.7	722.9	714.7	710.6
162.5°	692.0	694.9	703.0	706.5	707.7	706.5	707.7	706.5	703.0	694.9	692.0
165°	673.9	676.2	680.9	685.6	685.6	684.4	685.6	685.6	680.9	676.2	673.9
167.5°	657.6	659.9	662.2	664.6	664.6	663.4	664.6	664.6	662.2	659.9	657.6
170°	642.4	643.6	644.7	648.2	647.1	644.7	647.1	648.2	644.7	643.6	642.4
172.5°	629.0	629.6	630.8	631.9	630.8	629.6	630.8	631.9	630.8	629.6	629.0
175°	618.5	619.1	619.1	620.3	619.1	616.8	619.1	620.3	619.1	619.1	618.5
177.5°	610.9	610.9	610.9	610.9	609.8	607.4	609.8	610.9	610.9	610.9	610.9
180°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8	638.8
2.5°	608.7	610.9	610.0	605.1	610.0	611.3	614.0	616.6	618.4	621.1	623.3
5°	570.5	574.9	577.6	574.9	583.8	585.1	591.3	594.9	600.2	604.7	608.2
7.5°	534.5	538.1	543.4	544.3	549.6	555.8	564.7	573.6	582.0	586.5	590.5
10°	495.9	502.1	510.1	508.3	516.3	526.1	535.4	549.6	556.7	564.7	571.8
12.5°	457.3	461.3	471.9	475.5	487.0	494.6	507.4	516.3	534.1	543.4	549.6
15°	389.8	406.2	419.5	435.5	450.6	464.8	476.4	492.3	507.9	515.0	525.2
17.5°	359.2	366.7	374.7	382.7	402.2	427.5	447.9	465.3	478.6	487.9	499.9
20°	327.2	334.7	343.6	351.2	363.2	381.4	406.7	436.4	452.4	462.2	473.7
22.5°	304.5	311.7	317.4	324.1	333.4	346.7	365.8	402.7	424.0	436.0	446.2
25°	280.1	289.0	295.2	300.1	307.7	322.3	337.8	358.7	396.9	406.2	420.4
27.5°	263.3	265.9	273.0	280.6	288.1	296.1	312.1	329.9	355.6	376.0	393.3
30°	243.3	249.9	256.6	259.7	266.4	277.9	287.7	306.8	326.7	342.7	363.6
32.5°	228.2	232.2	236.6	244.2	250.4	258.4	268.1	284.1	301.0	311.2	327.2
35°	211.3	214.0	223.3	226.4	232.6	240.6	250.4	262.8	281.0	289.0	300.6
37.5°	195.3	201.6	204.2	211.3	217.1	225.1	232.2	246.4	258.4	267.7	278.4
40°	182.9	185.6	190.5	196.7	201.6	207.8	216.6	226.9	239.7	247.3	256.6
42.5°	167.8	170.0	176.2	179.8	187.8	193.6	198.9	211.3	222.9	228.6	238.0
45°	151.4	156.7	160.7	167.8	172.3	179.4	186.0	194.9	205.5	212.2	217.5
47.5°	137.2	142.5	146.5	153.2	160.3	163.4	170.5	179.8	189.6	194.9	202.4
50°	125.6	127.4	135.0	138.1	145.6	151.8	156.7	164.7	175.4	178.5	184.7
52.5°	114.5	115.9	120.8	124.7	131.4	136.7	143.0	150.5	159.4	164.3	169.1
55°	104.8	105.7	107.9	112.3	116.8	123.4	129.2	136.3	143.8	149.2	153.6
57.5°	93.7	95.4	97.2	99.9	104.3	110.5	116.8	123.4	129.6	133.2	139.0
60°	80.8	83.5	86.6	89.7	92.8	97.2	104.3	110.5	116.3	119.4	123.9
62.5°	67.0	72.4	75.0	78.6	81.2	85.2	90.6	97.7	101.7	105.7	109.2
65°	60.4	60.8	61.3	64.8	69.7	73.7	78.6	83.9	90.1	92.8	95.4
67.5°	53.7	54.2	55.0	55.5	57.3	61.7	67.0	72.8	77.7	79.5	82.1
70°	47.1	47.1	48.8	49.3	49.7	50.2	54.6	60.4	64.8	67.0	70.1
72.5°	40.0	40.4	41.3	41.7	42.6	43.5	44.8	47.9	53.3	55.5	59.0
75°	32.9	33.3	33.7	34.2	35.5	36.0	37.3	39.1	41.3	44.0	46.2
77.5°	26.2	26.2	26.6	27.5	28.4	28.9	30.2	31.1	32.0	33.3	35.1
80°	19.5	20.0	20.0	20.9	20.9	21.3	21.8	23.1	24.0	24.9	25.7
82.5°	13.3	14.2	14.2	14.2	14.7	15.1	15.5	15.5	16.4	16.9	18.2
85°	8.0	8.4	8.4	8.4	8.0	8.9	8.9	9.3	9.3	9.3	9.8
87.5°	3.1	2.7	3.1	3.1	3.1	3.6	3.1	3.1	3.6	4.0	4.0
90°	37.3	35.0	37.3	38.5	39.6	38.5	31.5	23.3	17.5	15.8	14.0
92.5°	87.4	100.3	117.8	150.4	179.6	177.2	137.6	93.3	61.8	55.4	49.0
95°	185.4	234.3	305.5	399.9	457.0	404.6	269.3	167.9	114.3	100.3	86.3
97.5°	381.3	499.0	624.9	750.8	745.0	576.0	357.9	216.9	148.1	132.4	116.6
100°	760.2	919.9	1064.5	1089.0	921.1	634.3	382.4	240.2	178.4	162.0	145.7
102.5°	1241.7	1347.8	1352.5	1214.9	926.9	612.1	383.6	261.2	205.2	188.9	172.6
105°	1563.5	1548.3	1416.6	1174.1	863.9	581.8	389.4	285.6	230.9	214.6	198.2
107.5°	1657.9	1543.7	1347.8	1087.8	805.6	565.5	402.2	310.1	256.5	240.2	223.9
110°	1611.3	1462.1	1253.4	1007.3	766.0	560.8	418.6	334.6	283.3	266.4	249.5

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1527.3	1365.3	1167.1	951.4	740.4	562.0	436.1	357.9	309.0	291.5	274.0
115°	1431.7	1279.0	1099.5	907.1	722.9	566.6	453.5	382.4	332.3	316.6	300.8
117.5°	1346.6	1204.4	1043.5	876.8	713.5	573.6	472.2	404.6	357.9	341.6	325.3
120°	1272.0	1148.4	1003.8	853.4	705.4	580.6	490.8	427.9	382.4	366.1	349.8
122.5°	1217.2	1101.8	972.4	833.6	700.7	588.8	507.2	450.0	408.1	391.2	374.3
125°	1164.7	1062.1	942.1	815.0	694.9	596.9	524.7	472.2	430.2	413.9	397.6
127.5°	1120.4	1022.5	911.7	797.5	691.4	605.1	541.0	493.2	452.4	435.5	418.6
130°	1075.0	982.9	882.6	780.0	689.1	614.4	556.1	511.8	471.0	454.7	438.4
132.5°	1028.3	945.6	854.6	766.0	687.9	623.8	571.3	528.2	489.7	473.4	457.0
135°	982.9	905.9	829.0	753.2	686.7	630.8	584.1	543.3	506.0	489.7	473.4
137.5°	937.4	874.4	808.0	743.9	686.7	637.8	594.6	556.1	518.8	503.6	488.5
140°	897.8	844.1	788.2	735.7	685.6	642.4	602.8	566.6	531.7	516.5	501.3
142.5°	861.6	817.3	771.8	727.5	685.6	645.9	609.8	574.8	541.0	527.0	513.0
145°	831.3	795.2	756.7	720.5	683.2	648.2	615.6	583.0	551.5	538.6	525.8
147.5°	805.6	776.5	745.0	713.5	679.7	649.4	619.1	590.0	559.6	548.0	536.3
150°	782.3	757.8	732.2	704.2	676.2	648.2	621.4	594.6	567.8	557.3	546.8
152.5°	762.5	742.7	719.4	696.0	670.4	645.9	622.6	599.3	576.0	566.6	557.3
155°	743.9	726.4	707.7	685.6	663.4	643.6	623.8	603.9	584.1	575.4	566.6
157.5°	725.2	710.0	693.7	676.2	656.4	638.9	623.8	607.4	590.0	582.4	574.8
160°	706.5	693.7	680.9	665.7	649.4	635.4	623.8	609.8	595.8	589.4	583.0
162.5°	689.1	678.6	668.1	656.4	643.6	631.9	622.6	610.9	599.3	594.6	590.0
165°	671.6	663.4	655.2	645.9	635.4	627.3	620.3	612.1	601.6	598.1	594.6
167.5°	655.2	649.4	642.4	635.4	628.4	622.6	619.1	612.1	603.9	601.6	599.3
170°	641.3	636.6	633.1	627.3	622.6	619.1	616.8	610.9	605.1	603.4	601.6
172.5°	628.4	624.9	622.6	619.1	615.6	614.4	613.3	609.8	606.3	605.1	603.9
175°	617.9	616.8	615.6	612.1	610.9	609.8	610.9	608.6	606.3	605.7	605.1
177.5°	610.9	609.8	609.8	607.4	606.3	607.4	609.8	607.4	606.3	606.3	606.3
180°	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3	606.3

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	638.8	638.8	638.8	638.8
2.5°	627.3	626.0	634.0	642.8
5°	614.4	616.6	626.9	639.3
7.5°	601.1	606.0	618.0	634.4
10°	582.5	591.3	609.5	626.4
12.5°	564.3	576.2	593.6	613.5
15°	543.8	557.2	578.5	602.4
17.5°	521.2	536.3	561.2	587.3
20°	497.2	517.2	543.4	571.8
22.5°	470.6	494.6	521.6	553.2
25°	444.8	471.0	498.1	534.5
27.5°	419.5	445.3	475.5	512.3
30°	394.2	417.8	450.2	489.7
32.5°	367.1	391.6	425.7	466.1
35°	342.3	366.7	398.7	438.6
37.5°	315.6	341.8	372.5	413.8
40°	284.6	315.2	344.9	384.5
42.5°	258.8	291.2	320.1	357.4
45°	238.4	269.0	293.0	329.4
47.5°	219.3	244.2	268.6	302.3
50°	201.1	220.2	245.5	275.7
52.5°	182.5	198.9	220.6	249.1
55°	165.6	181.1	200.7	222.4
57.5°	150.1	161.2	180.7	200.2
60°	132.7	144.3	159.4	175.8
62.5°	118.1	127.0	141.2	154.9
65°	102.6	111.0	121.6	134.5
67.5°	88.3	95.9	104.3	114.5
70°	75.5	81.2	87.5	96.3
72.5°	61.7	67.9	73.7	80.8
75°	50.6	53.3	58.2	63.0
77.5°	39.1	42.6	45.3	49.3
80°	28.0	31.1	32.0	35.1
82.5°	18.6	20.4	22.2	23.1
85°	10.7	11.5	13.3	13.8
87.5°	4.0	4.4	5.3	6.2
90°	11.7	9.3	4.7	1.2
92.5°	39.6	33.8	24.5	17.5
95°	67.6	57.1	45.5	40.8
97.5°	95.6	80.4	67.6	60.6
100°	122.4	103.8	93.3	89.8
102.5°	148.1	129.4	118.9	116.6
105°	172.6	155.1	146.9	142.2
107.5°	198.2	181.9	173.7	170.2
110°	225.0	209.9	202.9	198.2

TEST NUMBER: P999491

CATALOG NUMBER: SA2XXRDIP-B290D1080UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	250.7	236.7	228.5	223.9
115°	277.5	263.5	256.5	250.7
117.5°	303.1	290.3	283.3	278.7
120°	326.5	316.0	309.0	304.3
122.5°	350.9	339.3	332.3	328.8
125°	374.3	360.3	353.3	349.8
127.5°	396.4	381.3	371.9	367.3
130°	415.1	398.7	387.1	382.4
132.5°	432.6	415.1	402.2	396.4
135°	446.5	429.1	415.1	410.4
137.5°	461.7	443.0	429.1	423.2
140°	475.7	457.0	443.0	438.4
142.5°	488.5	469.9	457.0	453.5
145°	502.5	485.0	473.4	468.7
147.5°	516.5	500.2	488.5	485.0
150°	529.3	514.2	504.8	501.3
152.5°	541.0	528.2	518.8	517.7
155°	553.8	541.0	534.0	532.8
157.5°	564.3	552.6	546.8	545.6
160°	573.6	564.3	559.6	558.5
162.5°	581.8	574.8	570.1	571.3
165°	588.8	581.8	579.5	580.6
167.5°	594.6	590.0	587.6	588.8
170°	599.3	595.8	594.6	596.9
172.5°	602.8	599.3	600.4	601.6
175°	605.1	602.8	603.9	605.1
177.5°	606.3	603.9	605.1	607.4
180°	606.3	606.3	606.3	606.3

(END OF REPORT)