

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: P999569

Luminaire Tested: SA2XXRDIP-B290D530UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999569
REPORT IS A COMBINATION OF REPORTS P988122 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B290D530UB35-4F0-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

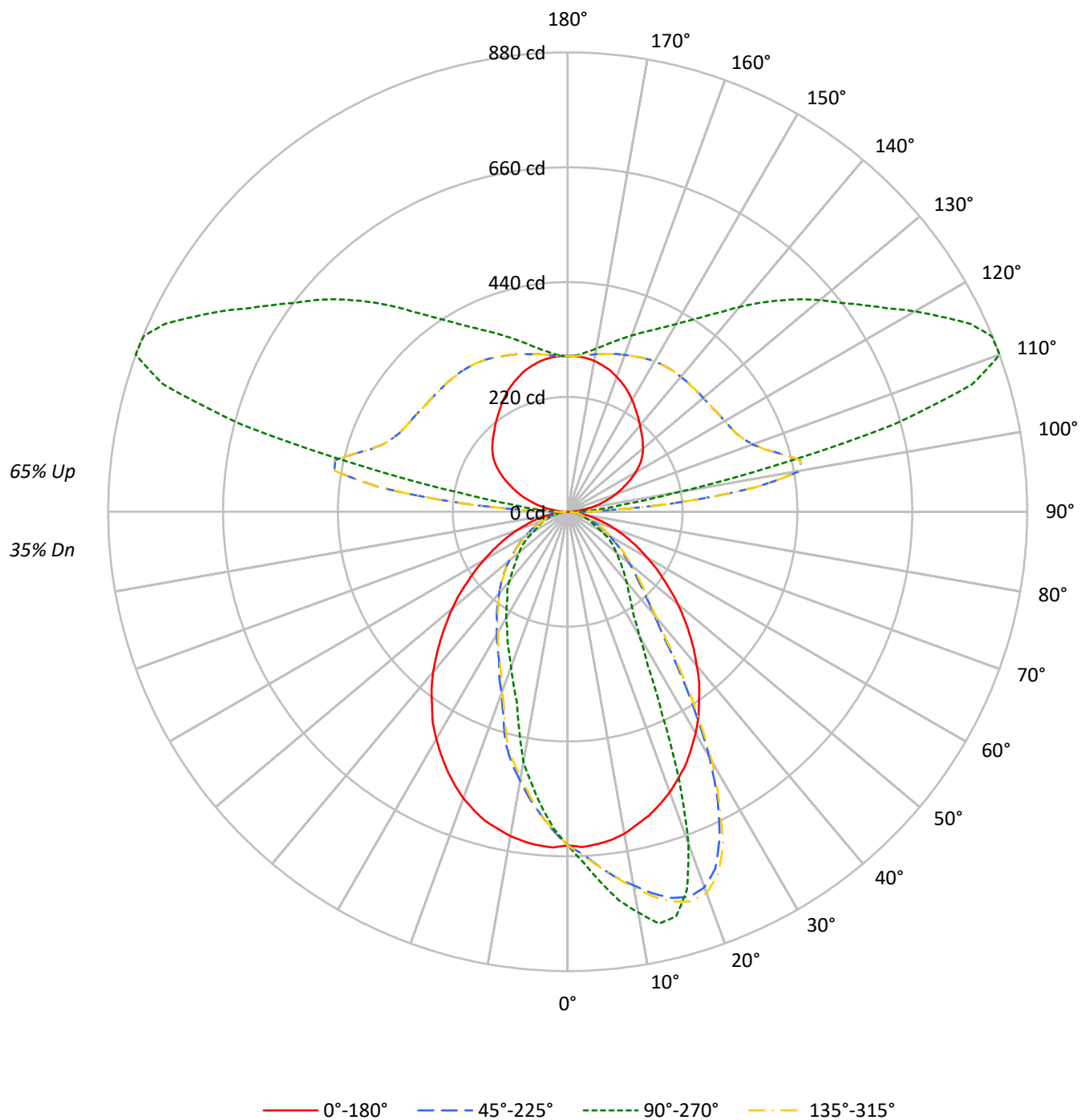
Lumens per Lamp: N/A
Luminaire Lumens: 3184.0 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 28.4
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	104	104	104	104	94	94	94	94	75	75	75	58	58	58	42	42	42
1	95	91	87	84	86	82	79	77	66	64	62	52	50	49	38	37	37
2	87	80	74	70	78	73	68	64	59	55	53	46	44	42	34	33	32
3	80	71	64	59	72	64	59	54	52	48	45	41	38	36	31	29	28
4	73	63	56	50	66	57	51	46	47	42	39	37	34	31	28	26	24
5	67	56	49	43	61	51	45	40	42	37	34	34	30	28	25	23	22
6	62	51	43	38	56	46	40	35	38	33	30	31	27	24	23	21	19
7	57	46	38	33	52	42	36	31	35	30	26	28	24	22	21	19	17
8	53	42	34	29	48	38	32	27	32	27	24	26	22	20	20	18	16
9	50	38	31	26	45	35	29	25	29	25	21	24	20	18	18	16	14
10	47	35	28	24	42	32	26	22	27	22	19	22	19	16	17	15	13

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.9
10°-20°	169.1	5.3
20°-30°	217.7	6.8
30°-40°	206.5	6.5
40°-50°	177.0	5.6
50°-60°	134.8	4.2
60°-70°	85.0	2.7
70°-80°	42.4	1.3
80°-90°	12.8	0.4
90°-100°	116.3	3.7
100°-110°	409.7	12.9
110°-120°	430.2	13.5
120°-130°	354.0	11.1
130°-140°	284.3	8.9
140°-150°	214.8	6.7
150°-160°	151.0	4.7
160°-170°	88.9	2.8
170°-180°	28.9	0.9
0°-30°	447.4	14.1
0°-40°	653.9	20.5
0°-60°	965.7	30.3
0°-90°	1105.9	34.7
90°-120°	956.2	30.0
90°-150°	1809.3	56.8
90°-180°	2078.0	65.3
0°-180°	3184.0	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	19	1	19	1	2
95°	20	65	20	65	20	21
105°	70	647	70	647	70	74
115°	123	851	123	851	123	122
125°	172	690	172	690	172	153
135°	202	572	202	572	202	156
145°	231	457	231	457	231	145
155°	262	384	262	384	262	121
165°	286	337	286	337	286	81
175°	298	304	298	304	298	28
180°	298	298	298	298	298	

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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°	0.6	2.3	4.6	5.7	6.9	7.8	8.6	11.5	15.5	18.9	19.5
92.5°	8.6	12.1	16.6	19.5	24.1	27.2	30.4	45.9	67.7	87.2	88.4
95°	20.1	22.4	28.1	33.3	42.5	49.4	56.2	82.6	132.6	199.1	224.9
97.5°	29.8	33.3	39.6	47.1	57.4	65.2	72.9	106.7	176.2	283.5	366.7
100°	44.2	45.9	51.1	60.3	71.7	79.8	87.8	118.2	188.2	312.2	453.3
102.5°	57.4	58.5	63.7	72.9	84.9	93.0	101.0	128.5	188.8	301.3	456.2
105°	70.0	72.3	76.3	84.9	97.6	105.6	113.6	140.6	191.7	286.4	425.2
107.5°	83.8	85.5	89.5	97.6	110.2	118.2	126.2	152.6	198.0	278.3	396.5
110°	97.6	99.9	103.3	110.8	122.8	131.1	139.4	164.7	206.0	276.0	377.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	110.2	112.5	116.5	123.4	134.9	143.5	152.1	176.2	214.6	276.6	364.4
115°	123.4	126.2	129.7	136.6	148.1	155.8	163.5	188.2	223.2	278.9	355.8
117.5°	137.2	139.4	142.9	149.2	160.1	168.1	176.2	199.1	232.4	282.3	351.2
120°	149.8	152.1	155.5	160.7	172.2	180.2	188.2	210.6	241.6	285.8	347.2
122.5°	161.8	163.5	167.0	172.7	184.2	192.5	200.8	221.5	249.6	289.8	344.9
125°	172.2	173.9	177.3	184.2	195.7	203.8	211.8	232.4	258.2	293.8	342.0
127.5°	180.8	183.1	187.6	195.1	206.0	214.4	222.7	242.7	266.3	297.8	340.3
130°	188.2	190.5	196.3	204.3	215.8	223.8	231.8	251.9	273.7	302.4	339.1
132.5°	195.1	198.0	204.3	212.9	224.9	233.0	241.0	260.0	281.2	307.0	338.6
135°	202.0	204.3	211.2	219.8	233.0	241.0	249.1	267.4	287.5	310.5	338.0
137.5°	208.3	211.2	218.1	227.2	240.4	247.9	255.4	273.7	292.7	313.9	338.0
140°	215.8	218.1	224.9	234.1	246.8	254.2	261.7	278.9	296.7	316.2	337.4
142.5°	223.2	224.9	231.3	240.4	252.5	259.4	266.3	282.9	300.1	317.9	337.4
145°	230.7	233.0	238.7	247.3	258.8	265.1	271.4	286.9	303.0	319.1	336.3
147.5°	238.7	240.4	246.2	254.2	264.0	269.7	275.4	290.4	304.7	319.6	334.6
150°	246.8	248.5	253.1	260.5	269.1	274.3	279.5	292.7	305.9	319.1	332.8
152.5°	254.8	255.4	260.0	266.3	274.3	278.9	283.5	295.0	306.4	317.9	330.0
155°	262.2	262.8	266.3	272.6	278.9	283.2	287.5	297.3	307.0	316.8	326.5
157.5°	268.6	269.1	272.0	277.7	282.9	286.6	290.4	299.0	307.0	314.5	323.1
160°	274.9	275.4	277.7	282.3	286.9	290.0	293.2	300.1	307.0	312.7	319.6
162.5°	281.2	280.6	282.9	286.4	290.4	292.7	295.0	300.7	306.4	311.0	316.8
165°	285.8	285.2	286.4	289.8	292.7	294.4	296.1	301.3	305.3	308.7	312.7
167.5°	289.8	289.2	290.4	292.7	295.0	296.2	297.3	301.3	304.7	306.4	309.3
170°	293.8	292.7	293.2	295.0	296.1	297.0	297.8	300.7	303.6	304.7	306.4
172.5°	296.1	295.5	295.0	296.7	297.3	297.8	298.4	300.1	301.8	302.4	303.0
175°	297.8	297.3	296.7	297.8	297.8	298.1	298.4	299.6	300.7	300.1	300.7
177.5°	299.0	297.8	297.3	298.4	298.4	298.4	298.4	299.0	300.1	299.0	298.4
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

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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°	18.9	18.4	17.2	18.4	18.6	18.9	18.9	18.9	18.9	18.9	18.9
92.5°	74.0	58.0	49.4	43.0	40.7	38.4	37.9	35.6	36.2	35.0	36.2
95°	196.8	150.3	115.3	91.2	84.9	78.6	71.2	66.6	64.8	65.4	64.8
97.5°	369.6	307.6	245.6	187.6	170.4	153.2	130.8	119.4	113.0	109.6	113.0
100°	536.0	523.9	452.8	374.2	339.4	304.7	257.1	232.4	215.8	205.4	215.8
102.5°	598.0	665.7	663.4	611.2	573.9	536.6	483.8	437.3	415.5	400.5	415.5
105°	577.9	697.2	762.1	769.5	760.0	750.6	715.0	679.4	654.8	646.7	654.8
107.5°	535.4	663.4	759.8	816.0	827.5	839.0	838.4	833.2	825.8	812.6	825.8
110°	495.8	616.9	719.6	793.1	816.6	840.1	864.8	875.7	880.9	880.3	880.9

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	468.3	574.4	672.0	751.7	779.6	807.4	844.1	864.2	875.1	879.1	875.1
115°	446.5	541.1	629.5	704.7	734.2	763.8	804.5	830.9	845.9	851.0	845.9
117.5°	431.5	513.6	592.8	662.8	690.9	719.0	760.9	789.0	804.5	808.6	804.5
120°	420.1	494.1	565.2	626.1	652.2	678.3	718.5	745.4	762.1	767.8	762.1
122.5°	410.3	478.6	542.3	599.1	622.0	645.0	680.0	706.4	720.8	725.3	720.8
125°	401.1	463.7	522.8	573.3	594.8	616.3	649.6	671.4	685.8	690.3	685.8
127.5°	392.5	448.8	503.3	551.5	571.6	591.6	620.9	641.6	654.2	657.6	654.2
130°	383.9	434.4	483.8	529.1	548.0	567.0	595.1	614.6	626.1	630.7	626.1
132.5°	377.0	420.6	465.4	506.1	523.6	541.1	568.7	588.2	598.5	602.5	598.5
135°	370.7	408.0	445.9	483.8	499.8	515.9	540.6	559.5	569.8	572.1	569.8
137.5°	366.1	397.7	430.4	461.4	475.8	490.1	513.6	530.2	539.4	542.9	539.4
140°	362.1	387.9	415.5	441.9	454.5	467.1	485.5	500.4	509.0	512.4	509.0
142.5°	358.1	379.9	402.3	424.1	434.2	444.2	461.4	474.6	482.0	482.0	482.0
145°	354.6	372.4	391.4	409.2	417.5	425.8	439.6	449.3	455.1	456.8	455.1
147.5°	351.2	366.7	382.2	396.5	402.8	409.2	421.2	429.2	433.3	434.4	433.3
150°	346.6	360.4	373.0	385.1	390.2	395.4	404.0	410.9	414.3	414.9	414.3
152.5°	342.6	354.1	365.5	375.3	379.6	383.9	390.2	396.0	398.3	398.3	398.3
155°	337.4	348.3	357.5	366.1	369.2	372.4	378.7	382.8	385.1	383.9	385.1
157.5°	332.8	341.4	349.5	356.9	359.5	362.1	366.7	370.1	371.3	371.3	371.3
160°	327.7	335.1	341.4	347.8	349.8	351.8	355.8	358.7	359.2	359.2	359.2
162.5°	323.1	328.8	334.0	339.1	340.6	342.0	346.0	347.8	348.3	347.8	348.3
165°	317.9	322.5	326.5	330.5	331.6	332.8	335.1	337.4	337.4	336.9	337.4
167.5°	312.7	316.2	319.6	322.5	323.6	324.8	325.9	327.1	327.1	326.5	327.1
170°	308.7	311.6	313.3	315.6	316.2	316.8	317.3	319.1	318.5	317.3	318.5
172.5°	304.7	306.4	307.6	309.3	309.6	309.9	310.5	311.0	310.5	309.9	310.5
175°	301.3	303.0	303.6	304.1	304.4	304.7	304.7	305.3	304.7	303.6	304.7
177.5°	299.0	300.1	300.1	300.7	300.7	300.7	300.7	300.7	300.1	299.0	300.1
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-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°	18.9	18.9	18.9	18.6	18.4	17.2	18.4	18.9	19.5	18.9	15.5
92.5°	35.6	37.9	38.4	40.7	43.0	49.4	58.0	74.0	88.4	87.2	67.7
95°	66.6	71.2	78.6	84.9	91.2	115.3	150.3	196.8	224.9	199.1	132.6
97.5°	119.4	130.8	153.2	170.4	187.6	245.6	307.6	369.6	366.7	283.5	176.2
100°	232.4	257.1	304.7	339.4	374.2	452.8	523.9	536.0	453.3	312.2	188.2
102.5°	437.3	483.8	536.6	573.9	611.2	663.4	665.7	598.0	456.2	301.3	188.8
105°	679.4	715.0	750.6	760.0	769.5	762.1	697.2	577.9	425.2	286.4	191.7
107.5°	833.2	838.4	839.0	827.5	816.0	759.8	663.4	535.4	396.5	278.3	198.0
110°	875.7	864.8	840.1	816.6	793.1	719.6	616.9	495.8	377.0	276.0	206.0

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	864.2	844.1	807.4	779.6	751.7	672.0	574.4	468.3	364.4	276.6	214.6
115°	830.9	804.5	763.8	734.2	704.7	629.5	541.1	446.5	355.8	278.9	223.2
117.5°	789.0	760.9	719.0	690.9	662.8	592.8	513.6	431.5	351.2	282.3	232.4
120°	745.4	718.5	678.3	652.2	626.1	565.2	494.1	420.1	347.2	285.8	241.6
122.5°	706.4	680.0	645.0	622.0	599.1	542.3	478.6	410.3	344.9	289.8	249.6
125°	671.4	649.6	616.3	594.8	573.3	522.8	463.7	401.1	342.0	293.8	258.2
127.5°	641.6	620.9	591.6	571.6	551.5	503.3	448.8	392.5	340.3	297.8	266.3
130°	614.6	595.1	567.0	548.0	529.1	483.8	434.4	383.9	339.1	302.4	273.7
132.5°	588.2	568.7	541.1	523.6	506.1	465.4	420.6	377.0	338.6	307.0	281.2
135°	559.5	540.6	515.9	499.8	483.8	445.9	408.0	370.7	338.0	310.5	287.5
137.5°	530.2	513.6	490.1	475.8	461.4	430.4	397.7	366.1	338.0	313.9	292.7
140°	500.4	485.5	467.1	454.5	441.9	415.5	387.9	362.1	337.4	316.2	296.7
142.5°	474.6	461.4	444.2	434.2	424.1	402.3	379.9	358.1	337.4	317.9	300.1
145°	449.3	439.6	425.8	417.5	409.2	391.4	372.4	354.6	336.3	319.1	303.0
147.5°	429.2	421.2	409.2	402.8	396.5	382.2	366.7	351.2	334.6	319.6	304.7
150°	410.9	404.0	395.4	390.2	385.1	373.0	360.4	346.6	332.8	319.1	305.9
152.5°	396.0	390.2	383.9	379.6	375.3	365.5	354.1	342.6	330.0	317.9	306.4
155°	382.8	378.7	372.4	369.2	366.1	357.5	348.3	337.4	326.5	316.8	307.0
157.5°	370.1	366.7	362.1	359.5	356.9	349.5	341.4	332.8	323.1	314.5	307.0
160°	358.7	355.8	351.8	349.8	347.8	341.4	335.1	327.7	319.6	312.7	307.0
162.5°	347.8	346.0	342.0	340.6	339.1	334.0	328.8	323.1	316.8	311.0	306.4
165°	337.4	335.1	332.8	331.6	330.5	326.5	322.5	317.9	312.7	308.7	305.3
167.5°	327.1	325.9	324.8	323.6	322.5	319.6	316.2	312.7	309.3	306.4	304.7
170°	319.1	317.3	316.8	316.2	315.6	313.3	311.6	308.7	306.4	304.7	303.6
172.5°	311.0	310.5	309.9	309.6	309.3	307.6	306.4	304.7	303.0	302.4	301.8
175°	305.3	304.7	304.7	304.4	304.1	303.6	303.0	301.3	300.7	300.1	300.7
177.5°	300.7	300.7	300.7	300.7	300.7	300.1	300.1	299.0	298.4	299.0	300.1
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-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°	11.5	8.6	7.8	6.9	5.7	4.6	2.3	0.6	2.3	4.6	5.7
92.5°	45.9	30.4	27.2	24.1	19.5	16.6	12.1	8.6	12.1	16.6	19.5
95°	82.6	56.2	49.4	42.5	33.3	28.1	22.4	20.1	22.4	28.1	33.3
97.5°	106.7	72.9	65.2	57.4	47.1	39.6	33.3	29.8	33.3	39.6	47.1
100°	118.2	87.8	79.8	71.7	60.3	51.1	45.9	44.2	45.9	51.1	60.3
102.5°	128.5	101.0	93.0	84.9	72.9	63.7	58.5	57.4	58.5	63.7	72.9
105°	140.6	113.6	105.6	97.6	84.9	76.3	72.3	70.0	72.3	76.3	84.9
107.5°	152.6	126.2	118.2	110.2	97.6	89.5	85.5	83.8	85.5	89.5	97.6
110°	164.7	139.4	131.1	122.8	110.8	103.3	99.9	97.6	99.9	103.3	110.8

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	176.2	152.1	143.5	134.9	123.4	116.5	112.5	110.2	112.5	116.5	123.4
115°	188.2	163.5	155.8	148.1	136.6	129.7	126.2	123.4	126.2	129.7	136.6
117.5°	199.1	176.2	168.1	160.1	149.2	142.9	139.4	137.2	139.4	142.9	149.2
120°	210.6	188.2	180.2	172.2	160.7	155.5	152.1	149.8	152.1	155.5	160.7
122.5°	221.5	200.8	192.5	184.2	172.7	167.0	163.5	161.8	163.5	167.0	172.7
125°	232.4	211.8	203.8	195.7	184.2	177.3	173.9	172.2	173.9	177.3	184.2
127.5°	242.7	222.7	214.4	206.0	195.1	187.6	183.1	180.8	183.1	187.6	195.1
130°	251.9	231.8	223.8	215.8	204.3	196.3	190.5	188.2	190.5	196.3	204.3
132.5°	260.0	241.0	233.0	224.9	212.9	204.3	198.0	195.1	198.0	204.3	212.9
135°	267.4	249.1	241.0	233.0	219.8	211.2	204.3	202.0	204.3	211.2	219.8
137.5°	273.7	255.4	247.9	240.4	227.2	218.1	211.2	208.3	211.2	218.1	227.2
140°	278.9	261.7	254.2	246.8	234.1	224.9	218.1	215.8	218.1	224.9	234.1
142.5°	282.9	266.3	259.4	252.5	240.4	231.3	224.9	223.2	224.9	231.3	240.4
145°	286.9	271.4	265.1	258.8	247.3	238.7	233.0	230.7	233.0	238.7	247.3
147.5°	290.4	275.4	269.7	264.0	254.2	246.2	240.4	238.7	240.4	246.2	254.2
150°	292.7	279.5	274.3	269.1	260.5	253.1	248.5	246.8	248.5	253.1	260.5
152.5°	295.0	283.5	278.9	274.3	266.3	260.0	255.4	254.8	255.4	260.0	266.3
155°	297.3	287.5	283.2	278.9	272.6	266.3	262.8	262.2	262.8	266.3	272.6
157.5°	299.0	290.4	286.6	282.9	277.7	272.0	269.1	268.6	269.1	272.0	277.7
160°	300.1	293.2	290.0	286.9	282.3	277.7	275.4	274.9	275.4	277.7	282.3
162.5°	300.7	295.0	292.7	290.4	286.4	282.9	280.6	281.2	280.6	282.9	286.4
165°	301.3	296.1	294.4	292.7	289.8	286.4	285.2	285.8	285.2	286.4	289.8
167.5°	301.3	297.3	296.2	295.0	292.7	290.4	289.2	289.8	289.2	290.4	292.7
170°	300.7	297.8	297.0	296.1	295.0	293.2	292.7	293.8	292.7	293.2	295.0
172.5°	300.1	298.4	297.8	297.3	296.7	295.0	295.5	296.1	295.5	295.0	296.7
175°	299.6	298.4	298.1	297.8	297.8	296.7	297.3	297.8	297.3	296.7	297.8
177.5°	299.0	298.4	298.4	298.4	298.4	297.3	297.8	299.0	297.8	297.3	298.4
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-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°	6.9	7.8	8.6	11.5	15.5	18.9	19.5	18.9	18.4	17.2	18.4
92.5°	24.1	27.2	30.4	45.9	67.7	87.2	88.4	74.0	58.0	49.4	43.0
95°	42.5	49.4	56.2	82.6	132.6	199.1	224.9	196.8	150.3	115.3	91.2
97.5°	57.4	65.2	72.9	106.7	176.2	283.5	366.7	369.6	307.6	245.6	187.6
100°	71.7	79.8	87.8	118.2	188.2	312.2	453.3	536.0	523.9	452.8	374.2
102.5°	84.9	93.0	101.0	128.5	188.8	301.3	456.2	598.0	665.7	663.4	611.2
105°	97.6	105.6	113.6	140.6	191.7	286.4	425.2	577.9	697.2	762.1	769.5
107.5°	110.2	118.2	126.2	152.6	198.0	278.3	396.5	535.4	663.4	759.8	816.0
110°	122.8	131.1	139.4	164.7	206.0	276.0	377.0	495.8	616.9	719.6	793.1

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	134.9	143.5	152.1	176.2	214.6	276.6	364.4	468.3	574.4	672.0	751.7
115°	148.1	155.8	163.5	188.2	223.2	278.9	355.8	446.5	541.1	629.5	704.7
117.5°	160.1	168.1	176.2	199.1	232.4	282.3	351.2	431.5	513.6	592.8	662.8
120°	172.2	180.2	188.2	210.6	241.6	285.8	347.2	420.1	494.1	565.2	626.1
122.5°	184.2	192.5	200.8	221.5	249.6	289.8	344.9	410.3	478.6	542.3	599.1
125°	195.7	203.8	211.8	232.4	258.2	293.8	342.0	401.1	463.7	522.8	573.3
127.5°	206.0	214.4	222.7	242.7	266.3	297.8	340.3	392.5	448.8	503.3	551.5
130°	215.8	223.8	231.8	251.9	273.7	302.4	339.1	383.9	434.4	483.8	529.1
132.5°	224.9	233.0	241.0	260.0	281.2	307.0	338.6	377.0	420.6	465.4	506.1
135°	233.0	241.0	249.1	267.4	287.5	310.5	338.0	370.7	408.0	445.9	483.8
137.5°	240.4	247.9	255.4	273.7	292.7	313.9	338.0	366.1	397.7	430.4	461.4
140°	246.8	254.2	261.7	278.9	296.7	316.2	337.4	362.1	387.9	415.5	441.9
142.5°	252.5	259.4	266.3	282.9	300.1	317.9	337.4	358.1	379.9	402.3	424.1
145°	258.8	265.1	271.4	286.9	303.0	319.1	336.3	354.6	372.4	391.4	409.2
147.5°	264.0	269.7	275.4	290.4	304.7	319.6	334.6	351.2	366.7	382.2	396.5
150°	269.1	274.3	279.5	292.7	305.9	319.1	332.8	346.6	360.4	373.0	385.1
152.5°	274.3	278.9	283.5	295.0	306.4	317.9	330.0	342.6	354.1	365.5	375.3
155°	278.9	283.2	287.5	297.3	307.0	316.8	326.5	337.4	348.3	357.5	366.1
157.5°	282.9	286.6	290.4	299.0	307.0	314.5	323.1	332.8	341.4	349.5	356.9
160°	286.9	290.0	293.2	300.1	307.0	312.7	319.6	327.7	335.1	341.4	347.8
162.5°	290.4	292.7	295.0	300.7	306.4	311.0	316.8	323.1	328.8	334.0	339.1
165°	292.7	294.4	296.1	301.3	305.3	308.7	312.7	317.9	322.5	326.5	330.5
167.5°	295.0	296.2	297.3	301.3	304.7	306.4	309.3	312.7	316.2	319.6	322.5
170°	296.1	297.0	297.8	300.7	303.6	304.7	306.4	308.7	311.6	313.3	315.6
172.5°	297.3	297.8	298.4	300.1	301.8	302.4	303.0	304.7	306.4	307.6	309.3
175°	297.8	298.1	298.4	299.6	300.7	300.1	300.7	301.3	303.0	303.6	304.1
177.5°	298.4	298.4	298.4	299.0	300.1	299.0	298.4	299.0	300.1	300.1	300.7
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-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°	18.6	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.6
92.5°	40.7	38.4	37.9	35.6	36.2	35.0	36.2	35.6	37.9	38.4	40.7
95°	84.9	78.6	71.2	66.6	64.8	65.4	64.8	66.6	71.2	78.6	84.9
97.5°	170.4	153.2	130.8	119.4	113.0	109.6	113.0	119.4	130.8	153.2	170.4
100°	339.4	304.7	257.1	232.4	215.8	205.4	215.8	232.4	257.1	304.7	339.4
102.5°	573.9	536.6	483.8	437.3	415.5	400.5	415.5	437.3	483.8	536.6	573.9
105°	760.0	750.6	715.0	679.4	654.8	646.7	654.8	679.4	715.0	750.6	760.0
107.5°	827.5	839.0	838.4	833.2	825.8	812.6	825.8	833.2	838.4	839.0	827.5
110°	816.6	840.1	864.8	875.7	880.9	880.3	880.9	875.7	864.8	840.1	816.6

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	779.6	807.4	844.1	864.2	875.1	879.1	875.1	864.2	844.1	807.4	779.6
115°	734.2	763.8	804.5	830.9	845.9	851.0	845.9	830.9	804.5	763.8	734.2
117.5°	690.9	719.0	760.9	789.0	804.5	808.6	804.5	789.0	760.9	719.0	690.9
120°	652.2	678.3	718.5	745.4	762.1	767.8	762.1	745.4	718.5	678.3	652.2
122.5°	622.0	645.0	680.0	706.4	720.8	725.3	720.8	706.4	680.0	645.0	622.0
125°	594.8	616.3	649.6	671.4	685.8	690.3	685.8	671.4	649.6	616.3	594.8
127.5°	571.6	591.6	620.9	641.6	654.2	657.6	654.2	641.6	620.9	591.6	571.6
130°	548.0	567.0	595.1	614.6	626.1	630.7	626.1	614.6	595.1	567.0	548.0
132.5°	523.6	541.1	568.7	588.2	598.5	602.5	598.5	588.2	568.7	541.1	523.6
135°	499.8	515.9	540.6	559.5	569.8	572.1	569.8	559.5	540.6	515.9	499.8
137.5°	475.8	490.1	513.6	530.2	539.4	542.9	539.4	530.2	513.6	490.1	475.8
140°	454.5	467.1	485.5	500.4	509.0	512.4	509.0	500.4	485.5	467.1	454.5
142.5°	434.2	444.2	461.4	474.6	482.0	482.0	482.0	474.6	461.4	444.2	434.2
145°	417.5	425.8	439.6	449.3	455.1	456.8	455.1	449.3	439.6	425.8	417.5
147.5°	402.8	409.2	421.2	429.2	433.3	434.4	433.3	429.2	421.2	409.2	402.8
150°	390.2	395.4	404.0	410.9	414.3	414.9	414.3	410.9	404.0	395.4	390.2
152.5°	379.6	383.9	390.2	396.0	398.3	398.3	398.3	396.0	390.2	383.9	379.6
155°	369.2	372.4	378.7	382.8	385.1	383.9	385.1	382.8	378.7	372.4	369.2
157.5°	359.5	362.1	366.7	370.1	371.3	371.3	371.3	370.1	366.7	362.1	359.5
160°	349.8	351.8	355.8	358.7	359.2	359.2	359.2	358.7	355.8	351.8	349.8
162.5°	340.6	342.0	346.0	347.8	348.3	347.8	348.3	347.8	346.0	342.0	340.6
165°	331.6	332.8	335.1	337.4	337.4	336.9	337.4	337.4	335.1	332.8	331.6
167.5°	323.6	324.8	325.9	327.1	327.1	326.5	327.1	327.1	325.9	324.8	323.6
170°	316.2	316.8	317.3	319.1	318.5	317.3	318.5	319.1	317.3	316.8	316.2
172.5°	309.6	309.9	310.5	311.0	310.5	309.9	310.5	311.0	310.5	309.9	309.6
175°	304.4	304.7	304.7	305.3	304.7	303.6	304.7	305.3	304.7	304.7	304.4
177.5°	300.7	300.7	300.7	300.7	300.1	299.0	300.1	300.7	300.7	300.7	300.7
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-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°	18.4	17.2	18.4	18.9	19.5	18.9	15.5	11.5	8.6	7.8	6.9
92.5°	43.0	49.4	58.0	74.0	88.4	87.2	67.7	45.9	30.4	27.2	24.1
95°	91.2	115.3	150.3	196.8	224.9	199.1	132.6	82.6	56.2	49.4	42.5
97.5°	187.6	245.6	307.6	369.6	366.7	283.5	176.2	106.7	72.9	65.2	57.4
100°	374.2	452.8	523.9	536.0	453.3	312.2	188.2	118.2	87.8	79.8	71.7
102.5°	611.2	663.4	665.7	598.0	456.2	301.3	188.8	128.5	101.0	93.0	84.9
105°	769.5	762.1	697.2	577.9	425.2	286.4	191.7	140.6	113.6	105.6	97.6
107.5°	816.0	759.8	663.4	535.4	396.5	278.3	198.0	152.6	126.2	118.2	110.2
110°	793.1	719.6	616.9	495.8	377.0	276.0	206.0	164.7	139.4	131.1	122.8

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	751.7	672.0	574.4	468.3	364.4	276.6	214.6	176.2	152.1	143.5	134.9
115°	704.7	629.5	541.1	446.5	355.8	278.9	223.2	188.2	163.5	155.8	148.1
117.5°	662.8	592.8	513.6	431.5	351.2	282.3	232.4	199.1	176.2	168.1	160.1
120°	626.1	565.2	494.1	420.1	347.2	285.8	241.6	210.6	188.2	180.2	172.2
122.5°	599.1	542.3	478.6	410.3	344.9	289.8	249.6	221.5	200.8	192.5	184.2
125°	573.3	522.8	463.7	401.1	342.0	293.8	258.2	232.4	211.8	203.8	195.7
127.5°	551.5	503.3	448.8	392.5	340.3	297.8	266.3	242.7	222.7	214.4	206.0
130°	529.1	483.8	434.4	383.9	339.1	302.4	273.7	251.9	231.8	223.8	215.8
132.5°	506.1	465.4	420.6	377.0	338.6	307.0	281.2	260.0	241.0	233.0	224.9
135°	483.8	445.9	408.0	370.7	338.0	310.5	287.5	267.4	249.1	241.0	233.0
137.5°	461.4	430.4	397.7	366.1	338.0	313.9	292.7	273.7	255.4	247.9	240.4
140°	441.9	415.5	387.9	362.1	337.4	316.2	296.7	278.9	261.7	254.2	246.8
142.5°	424.1	402.3	379.9	358.1	337.4	317.9	300.1	282.9	266.3	259.4	252.5
145°	409.2	391.4	372.4	354.6	336.3	319.1	303.0	286.9	271.4	265.1	258.8
147.5°	396.5	382.2	366.7	351.2	334.6	319.6	304.7	290.4	275.4	269.7	264.0
150°	385.1	373.0	360.4	346.6	332.8	319.1	305.9	292.7	279.5	274.3	269.1
152.5°	375.3	365.5	354.1	342.6	330.0	317.9	306.4	295.0	283.5	278.9	274.3
155°	366.1	357.5	348.3	337.4	326.5	316.8	307.0	297.3	287.5	283.2	278.9
157.5°	356.9	349.5	341.4	332.8	323.1	314.5	307.0	299.0	290.4	286.6	282.9
160°	347.8	341.4	335.1	327.7	319.6	312.7	307.0	300.1	293.2	290.0	286.9
162.5°	339.1	334.0	328.8	323.1	316.8	311.0	306.4	300.7	295.0	292.7	290.4
165°	330.5	326.5	322.5	317.9	312.7	308.7	305.3	301.3	296.1	294.4	292.7
167.5°	322.5	319.6	316.2	312.7	309.3	306.4	304.7	301.3	297.3	296.2	295.0
170°	315.6	313.3	311.6	308.7	306.4	304.7	303.6	300.7	297.8	297.0	296.1
172.5°	309.3	307.6	306.4	304.7	303.0	302.4	301.8	300.1	298.4	297.8	297.3
175°	304.1	303.6	303.0	301.3	300.7	300.1	300.7	299.6	298.4	298.1	297.8
177.5°	300.7	300.1	300.1	299.0	298.4	299.0	300.1	299.0	298.4	298.4	298.4
180°	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4	298.4

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-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°	5.7	4.6	2.3	0.6
92.5°	19.5	16.6	12.1	8.6
95°	33.3	28.1	22.4	20.1
97.5°	47.1	39.6	33.3	29.8
100°	60.3	51.1	45.9	44.2
102.5°	72.9	63.7	58.5	57.4
105°	84.9	76.3	72.3	70.0
107.5°	97.6	89.5	85.5	83.8
110°	110.8	103.3	99.9	97.6

TEST NUMBER: P999569

CATALOG NUMBER: SA2XXRDIP-B290D530UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	123.4	116.5	112.5	110.2
115°	136.6	129.7	126.2	123.4
117.5°	149.2	142.9	139.4	137.2
120°	160.7	155.5	152.1	149.8
122.5°	172.7	167.0	163.5	161.8
125°	184.2	177.3	173.9	172.2
127.5°	195.1	187.6	183.1	180.8
130°	204.3	196.3	190.5	188.2
132.5°	212.9	204.3	198.0	195.1
135°	219.8	211.2	204.3	202.0
137.5°	227.2	218.1	211.2	208.3
140°	234.1	224.9	218.1	215.8
142.5°	240.4	231.3	224.9	223.2
145°	247.3	238.7	233.0	230.7
147.5°	254.2	246.2	240.4	238.7
150°	260.5	253.1	248.5	246.8
152.5°	266.3	260.0	255.4	254.8
155°	272.6	266.3	262.8	262.2
157.5°	277.7	272.0	269.1	268.6
160°	282.3	277.7	275.4	274.9
162.5°	286.4	282.9	280.6	281.2
165°	289.8	286.4	285.2	285.8
167.5°	292.7	290.4	289.2	289.8
170°	295.0	293.2	292.7	293.8
172.5°	296.7	295.0	295.5	296.1
175°	297.8	296.7	297.3	297.8
177.5°	298.4	297.3	297.8	299.0
180°	298.4	298.4	298.4	298.4

(END OF REPORT)