

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: P999507

Luminaire Tested: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999507
REPORT IS A COMBINATION OF REPORTS P988060 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4
Description: Define 2 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

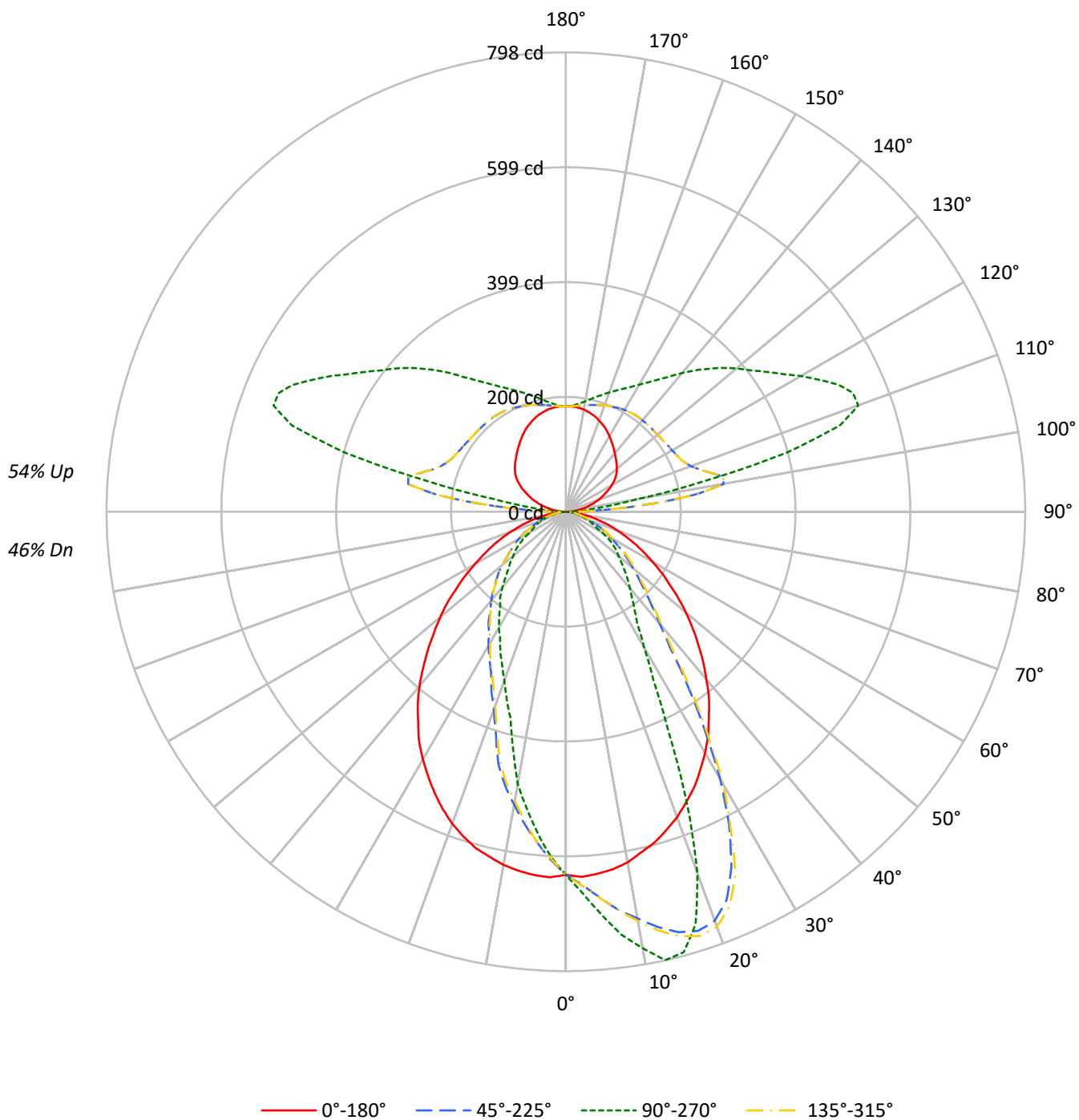
Lumens per Lamp: N/A
Luminaire Lumens: 2367.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 22.3
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46		
1	98	94	90	87	90	86	83	80	72	70	68	59	58	57	48	47	46	40		
2	89	83	77	72	82	76	71	67	64	61	58	53	51	48	43	41	40	35		
3	82	73	66	61	75	68	62	57	57	53	49	48	44	42	39	36	35	31		
4	76	65	58	52	69	61	54	49	51	47	43	43	39	37	35	33	31	27		
5	70	59	51	45	64	54	48	43	46	41	37	39	35	32	32	29	27	24		
6	64	53	45	40	59	49	42	38	42	37	33	36	32	29	29	27	24	22		
7	60	48	41	35	55	45	38	33	39	33	30	33	29	26	27	24	22	19		
8	56	44	37	31	51	41	34	30	35	30	27	30	26	23	25	22	20	18		
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	23	20	18	16		
10	49	37	30	26	45	35	29	24	30	25	22	26	22	19	22	19	17	15		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9984	9984	9984	9984
5°	10008	10604	10043	8472
10°	9898	11209	9968	6996
15°	9683	11212	9847	5256
20°	9425	9268	9629	4336
25°	9110	5791	9307	3688
30°	8712	3709	8948	3175
35°	8225	2850	8491	2718
40°	7683	2395	8011	2377
45°	7102	2038	7399	1996
50°	6509	1733	6813	1726
55°	5851	1506	6166	1486
60°	5268	1148	5547	1134
65°	4721	865	5002	980
70°	4119	690	4443	798
75°	3479	528	3798	605
80°	2762	359	2978	395
85°	1921	186	2105	195

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 9134 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	2.5
10°-20°	167.0	7.1
20°-30°	214.9	9.1
30°-40°	203.9	8.6
40°-50°	174.7	7.4
50°-60°	133.1	5.6
60°-70°	83.9	3.5
70°-80°	41.9	1.8
80°-90°	11.9	0.5
90°-100°	71.4	3.0
100°-110°	251.5	10.6
110°-120°	264.1	11.2
120°-130°	217.3	9.2
130°-140°	174.6	7.4
140°-150°	131.9	5.6
150°-160°	92.7	3.9
160°-170°	54.6	2.3
170°-180°	17.8	0.7
0°-30°	441.7	18.7
0°-40°	645.6	27.3
0°-60°	953.4	40.3
0°-90°	1091.2	46.1
90°-120°	587.1	24.8
90°-150°	1110.8	46.9
90°-180°	1276.0	53.9
0°-180°	2367.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	631	631	631	631	631	
5°	631	702	633	561	631	60
15°	595	792	605	371	595	167
25°	528	422	539	269	528	242
35°	433	208	447	199	433	271
45°	325	145	339	142	325	251
55°	220	100	231	99	220	198
65°	133	52	141	59	133	132
75°	62	28	68	32	62	67
85°	14	8	15	8	14	15
90°	0	12	0	12	0	2
95°	12	40	12	40	12	13
105°	43	397	43	397	43	46
115°	76	522	76	522	76	75
125°	106	424	106	424	106	94
135°	124	351	124	351	124	96
145°	142	280	142	280	142	89
155°	161	236	161	236	161	74
165°	176	207	176	207	176	49
175°	183	186	183	186	183	17
180°	183	183	183	183	183	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	634.7	637.3	638.6	640.4	644.3	647.0	650.9	651.8	651.3	653.1	648.3
5°	631.2	636.9	642.1	646.5	653.5	657.9	662.7	668.4	669.8	676.3	672.4
7.5°	626.4	634.7	642.1	650.9	661.4	667.1	674.6	683.3	687.3	695.2	697.4
10°	618.5	630.3	643.0	652.2	666.7	676.8	683.8	697.8	707.0	718.8	717.1
12.5°	605.8	621.1	638.2	653.5	672.4	679.0	692.1	706.6	718.4	729.4	739.0
15°	594.8	612.3	631.2	650.0	671.5	683.8	696.9	715.8	728.5	747.8	756.1
17.5°	579.9	602.3	624.6	645.6	671.1	685.1	701.3	719.7	738.6	757.0	763.6
20°	564.6	588.7	612.8	641.3	670.2	683.8	700.4	723.2	741.6	756.1	756.1
22.5°	546.1	575.5	603.1	630.3	661.9	681.6	698.7	725.4	738.6	741.6	729.8
25°	527.7	557.1	587.3	621.1	657.0	674.6	693.9	718.8	723.2	711.0	680.3
27.5°	505.8	538.7	572.9	609.3	647.0	668.9	686.4	703.1	694.7	661.9	614.1
30°	483.5	519.0	557.5	592.2	637.8	657.9	672.8	677.6	651.3	597.9	536.1
32.5°	460.2	494.9	535.6	577.3	623.3	642.6	652.2	639.5	591.3	523.8	448.4
35°	433.1	472.1	514.6	558.0	603.6	618.0	623.7	592.6	530.8	443.6	368.6
37.5°	408.5	447.5	493.1	537.4	581.6	589.5	583.8	535.2	456.7	370.4	297.2
40°	379.6	421.2	465.9	515.5	551.8	554.0	540.0	476.9	379.6	298.5	253.3
42.5°	352.8	394.9	439.6	490.0	517.7	510.2	491.4	408.5	316.9	257.3	220.9
45°	325.2	365.1	413.3	458.0	477.8	460.2	431.7	343.6	266.1	221.4	193.3
47.5°	298.5	335.8	383.5	426.5	430.0	410.3	376.5	288.0	230.6	194.6	171.8
50°	272.2	309.5	354.2	389.7	386.2	359.0	320.8	250.3	200.3	171.8	153.0
52.5°	245.9	279.6	323.0	351.1	336.2	309.9	272.2	212.1	174.9	149.9	135.4
55°	219.6	251.2	288.4	311.6	288.0	257.7	231.0	181.9	151.7	131.5	120.5
57.5°	197.7	222.7	256.9	270.9	242.4	218.7	195.5	156.5	131.5	117.0	104.3
60°	173.6	196.4	224.4	232.7	203.4	184.1	164.4	132.4	112.6	99.9	91.6
62.5°	153.0	171.8	193.3	193.3	167.4	153.0	138.1	110.9	94.7	84.6	80.7
65°	132.8	146.4	161.7	160.0	138.1	125.4	113.5	91.6	79.3	72.3	68.4
67.5°	113.1	123.6	133.7	127.6	111.8	100.8	89.9	74.1	65.7	60.9	55.7
70°	95.1	103.4	108.7	103.0	87.2	78.0	70.1	59.6	53.0	46.9	43.8
72.5°	79.8	83.3	85.0	78.0	64.9	59.6	53.9	46.5	40.8	37.7	36.8
75°	62.2	65.3	64.0	58.7	47.8	43.8	39.4	34.2	32.9	31.1	30.2
77.5°	48.7	48.7	46.5	41.6	34.2	31.1	29.4	26.7	25.4	25.0	24.1
80°	34.6	34.2	32.9	27.6	23.2	21.5	21.5	19.7	19.3	18.4	18.4
82.5°	22.8	22.8	21.0	16.7	15.3	14.9	14.5	13.6	13.6	13.1	13.1
85°	13.6	12.7	10.5	9.2	8.8	8.8	8.3	7.9	8.3	7.9	7.9
87.5°	6.1	4.8	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
90°	0.4	1.4	2.8	3.5	4.2	4.8	5.3	7.0	9.5	11.6	12.0
92.5°	5.3	7.4	10.2	12.0	14.8	16.8	18.7	28.2	41.6	53.6	54.3
95°	12.3	13.7	17.3	20.4	26.1	30.3	34.5	50.7	81.4	122.3	138.1
97.5°	18.3	20.4	24.3	28.9	35.2	40.0	44.7	65.5	108.2	174.0	225.1
100°	27.1	28.2	31.4	37.0	44.0	49.0	53.9	72.6	115.6	191.7	278.3
102.5°	35.2	35.9	39.1	44.7	52.1	57.0	62.0	78.9	115.9	185.0	280.1
105°	43.0	44.4	46.9	52.1	59.9	64.8	69.8	86.3	117.7	175.8	261.1
107.5°	51.4	52.5	55.0	59.9	67.6	72.6	77.5	93.7	121.5	170.9	243.4
110°	59.9	61.3	63.4	68.0	75.4	80.5	85.6	101.1	126.5	169.5	231.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	67.6	69.1	71.5	75.7	82.8	88.1	93.4	108.2	131.8	169.8	223.7
115°	75.7	77.5	79.6	83.9	90.9	95.6	100.4	115.6	137.0	171.2	218.4
117.5°	84.2	85.6	87.7	91.6	98.3	103.2	108.2	122.3	142.7	173.3	215.6
120°	92.0	93.4	95.5	98.6	105.7	110.6	115.6	129.3	148.3	175.5	213.1
122.5°	99.4	100.4	102.5	106.0	113.1	118.2	123.3	136.0	153.3	177.9	211.7
125°	105.7	106.8	108.9	113.1	120.1	125.0	130.0	142.7	158.5	180.4	210.0
127.5°	111.0	112.4	115.2	119.8	126.5	131.6	136.7	149.0	163.5	182.8	208.9
130°	115.6	117.0	120.5	125.4	132.5	137.4	142.3	154.7	168.1	185.7	208.2
132.5°	119.8	121.5	125.4	130.7	138.1	143.0	148.0	159.6	172.6	188.5	207.9
135°	124.0	125.4	129.7	134.9	143.0	148.0	152.9	164.2	176.5	190.6	207.5
137.5°	127.9	129.7	133.9	139.5	147.6	152.2	156.8	168.1	179.7	192.7	207.5
140°	132.5	133.9	138.1	143.7	151.5	156.1	160.7	171.2	182.1	194.1	207.2
142.5°	137.0	138.1	142.0	147.6	155.0	159.2	163.5	173.7	184.3	195.2	207.2
145°	141.6	143.0	146.6	151.8	158.9	162.8	166.6	176.2	186.0	195.9	206.5
147.5°	146.6	147.6	151.1	156.1	162.1	165.6	169.1	178.3	187.1	196.2	205.4
150°	151.5	152.6	155.4	159.9	165.2	168.4	171.6	179.7	187.8	195.9	204.3
152.5°	156.4	156.8	159.6	163.5	168.4	171.2	174.0	181.1	188.1	195.2	202.6
155°	161.0	161.4	163.5	167.3	171.2	173.8	176.5	182.5	188.5	194.5	200.5
157.5°	164.9	165.2	167.0	170.5	173.7	176.0	178.3	183.6	188.5	193.1	198.4
160°	168.8	169.1	170.5	173.3	176.2	178.1	180.0	184.3	188.5	192.0	196.2
162.5°	172.6	172.3	173.7	175.8	178.3	179.7	181.1	184.6	188.1	191.0	194.5
165°	175.5	175.1	175.8	177.9	179.7	180.8	181.8	185.0	187.4	189.5	192.0
167.5°	177.9	177.6	178.3	179.7	181.1	181.8	182.5	185.0	187.1	188.1	189.9
170°	180.4	179.7	180.0	181.1	181.8	182.3	182.8	184.6	186.4	187.1	188.1
172.5°	181.8	181.4	181.1	182.1	182.5	182.8	183.2	184.3	185.3	185.7	186.0
175°	182.8	182.5	182.1	182.8	182.8	183.0	183.2	183.9	184.6	184.3	184.6
177.5°	183.6	182.8	182.5	183.2	183.2	183.2	183.2	183.6	184.3	183.6	183.2
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	653.1	654.0	655.3	661.4	662.3	664.1	663.2	663.2	663.6	662.7	663.2
5°	681.1	682.5	689.0	696.5	698.2	696.5	698.7	701.7	701.7	701.7	700.9
7.5°	707.4	712.3	719.7	730.7	732.9	735.1	739.0	736.4	737.3	741.2	739.9
10°	732.9	739.9	748.2	757.4	762.2	765.3	767.1	771.0	780.2	769.7	773.6
12.5°	757.0	767.1	775.8	785.9	789.4	793.4	794.7	798.2	798.2	797.7	800.8
15°	772.8	782.0	789.9	796.4	797.3	796.4	795.5	796.0	797.3	792.0	795.1
17.5°	776.3	777.1	779.8	777.1	777.6	768.4	763.1	761.8	749.5	750.0	760.0
20°	759.2	744.3	740.3	725.9	717.1	693.4	692.5	686.0	660.1	668.0	666.2
22.5°	712.3	686.8	653.1	636.4	628.1	603.1	583.8	570.3	561.0	551.8	547.9
25°	650.5	609.3	561.5	528.6	523.8	500.6	465.1	448.4	428.7	422.5	433.1
27.5°	570.7	517.2	463.3	412.9	403.7	382.7	364.7	352.8	330.1	328.7	329.6
30°	462.4	408.5	363.4	330.5	307.7	298.1	286.2	277.5	268.3	271.8	272.6
32.5°	380.0	328.7	286.7	269.1	258.6	252.5	242.4	236.7	232.7	231.4	231.0
35°	302.0	267.8	249.0	231.9	225.7	221.4	213.9	211.3	207.8	208.2	208.2
37.5°	258.6	230.1	216.1	207.3	201.6	199.4	194.6	192.0	189.8	188.9	190.2
40°	223.1	203.4	194.6	186.7	181.9	181.0	178.4	175.3	172.7	173.1	174.5
42.5°	197.2	185.8	175.3	169.2	165.7	164.4	162.2	160.0	160.0	158.7	158.2
45°	176.6	167.4	158.7	153.0	150.8	149.0	146.4	146.0	144.2	144.6	145.1
47.5°	158.2	150.8	144.2	138.5	136.3	135.9	133.2	131.5	131.5	131.1	130.6
50°	141.6	134.1	128.4	125.4	122.3	121.4	121.0	120.5	119.7	119.7	120.1
52.5°	128.0	120.5	116.2	113.5	111.8	110.9	110.9	110.5	110.5	110.5	110.0
55°	113.1	106.9	103.4	102.6	101.7	101.3	100.8	99.9	99.5	100.4	99.5
57.5°	99.1	96.9	93.8	92.9	90.7	90.7	89.4	88.5	87.7	88.5	88.5
60°	88.1	85.0	83.3	80.7	78.9	77.1	75.0	74.5	73.6	73.2	72.8
62.5°	76.7	74.1	69.7	65.7	63.1	61.4	60.5	60.0	60.0	59.6	59.6
65°	64.0	57.9	55.7	54.4	53.9	53.5	52.6	52.2	52.6	52.2	52.6
67.5°	50.0	49.1	47.8	46.9	46.5	46.0	46.0	45.6	45.6	45.6	45.6
70°	43.4	41.2	40.8	39.9	39.9	39.4	39.4	39.4	39.4	39.0	39.9
72.5°	35.9	34.6	34.2	33.8	33.8	33.8	33.3	33.3	33.3	32.9	33.3
75°	29.4	28.9	28.1	28.1	27.6	28.1	27.6	27.6	27.2	27.6	27.6
77.5°	23.7	23.2	22.8	22.8	22.4	22.4	22.4	22.4	22.4	22.4	22.8
80°	18.0	17.5	17.1	17.5	17.1	17.5	17.1	17.1	17.5	17.1	17.1
82.5°	13.1	12.7	12.7	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
85°	7.9	7.5	7.5	7.9	7.5	7.9	7.5	7.5	7.5	7.9	7.9
87.5°	3.5	3.9	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.9
90°	11.6	11.3	10.6	11.3	11.4	11.6	11.6	11.6	11.6	11.6	11.6
92.5°	45.4	35.6	30.3	26.4	25.0	23.6	23.3	21.8	22.2	21.5	22.2
95°	120.8	92.3	70.8	56.0	52.2	48.3	43.7	40.9	39.8	40.2	39.8
97.5°	226.9	188.8	150.8	115.2	104.6	94.1	80.3	73.3	69.4	67.3	69.4
100°	329.1	321.7	278.0	229.7	208.4	187.1	157.8	142.7	132.5	126.1	132.5
102.5°	367.1	408.7	407.3	375.2	352.3	329.4	297.0	268.5	255.1	245.9	255.1
105°	354.8	428.1	467.9	472.4	466.6	460.8	439.0	417.1	402.0	397.1	402.0
107.5°	328.7	407.3	466.5	501.0	508.0	515.1	514.7	511.6	507.0	498.9	507.0
110°	304.4	378.7	441.8	486.9	501.4	515.8	530.9	537.6	540.8	540.4	540.8

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	287.5	352.7	412.6	461.5	478.6	495.7	518.2	530.6	537.3	539.7	537.3
115°	274.1	332.2	386.5	432.6	450.8	468.9	493.9	510.1	519.3	522.5	519.3
117.5°	264.9	315.3	363.9	406.9	424.2	441.4	467.2	484.4	493.9	496.4	493.9
120°	257.9	303.3	347.0	384.4	400.4	416.4	441.1	457.7	467.9	471.4	467.9
122.5°	251.9	293.8	332.9	367.8	381.9	396.0	417.5	433.7	442.5	445.3	442.5
125°	246.3	284.7	321.0	352.0	365.2	378.4	398.8	412.2	421.0	423.8	421.0
127.5°	241.0	275.5	309.0	338.6	350.9	363.2	381.2	393.9	401.6	403.7	401.6
130°	235.7	266.7	297.0	324.8	336.5	348.1	365.3	377.3	384.4	387.2	384.4
132.5°	231.5	258.2	285.7	310.7	321.4	332.2	349.1	361.1	367.5	369.9	367.5
135°	227.6	250.5	273.7	297.0	306.8	316.7	331.9	343.5	349.8	351.3	349.8
137.5°	224.8	244.2	264.2	283.3	292.1	300.9	315.3	325.5	331.2	333.3	331.2
140°	222.3	238.2	255.1	271.3	279.0	286.8	298.1	307.2	312.5	314.6	312.5
142.5°	219.8	233.2	247.0	260.4	266.5	272.7	283.3	291.4	295.9	295.9	295.9
145°	217.7	228.7	240.3	251.2	256.3	261.4	269.9	275.9	279.4	280.4	279.4
147.5°	215.6	225.1	234.6	243.4	247.3	251.2	258.6	263.5	266.0	266.7	266.0
150°	212.8	221.3	229.0	236.4	239.6	242.7	248.0	252.3	254.4	254.7	254.4
152.5°	210.3	217.4	224.4	230.4	233.0	235.7	239.6	243.1	244.5	244.5	244.5
155°	207.2	213.9	219.5	224.8	226.8	228.7	232.5	235.0	236.4	235.7	236.4
157.5°	204.3	209.6	214.6	219.1	220.7	222.3	225.1	227.2	227.9	227.9	227.9
160°	201.2	205.7	209.6	213.5	214.8	216.0	218.4	220.2	220.5	220.5	220.5
162.5°	198.4	201.9	205.0	208.2	209.1	210.0	212.4	213.5	213.9	213.5	213.9
165°	195.2	198.0	200.5	202.9	203.6	204.3	205.7	207.2	207.2	206.8	207.2
167.5°	192.0	194.1	196.2	198.0	198.7	199.4	200.1	200.8	200.8	200.5	200.8
170°	189.5	191.3	192.4	193.8	194.2	194.5	194.8	195.9	195.5	194.8	195.5
172.5°	187.1	188.1	188.8	189.9	190.0	190.2	190.6	191.0	190.6	190.2	190.6
175°	185.0	186.0	186.4	186.7	186.9	187.1	187.1	187.4	187.1	186.4	187.1
177.5°	183.6	184.3	184.3	184.6	184.6	184.6	184.6	184.6	184.3	183.6	184.3
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	664.9	661.9	661.0	661.9	661.0	661.4	658.4	647.0	650.0	645.2	647.8
5°	702.6	700.0	694.3	693.4	692.5	691.7	687.3	677.2	673.3	666.7	666.2
7.5°	738.6	738.6	734.2	731.1	727.2	724.1	718.4	703.5	697.4	689.5	685.1
10°	774.1	762.7	767.5	764.4	754.8	753.0	742.5	733.7	721.9	714.0	707.0
12.5°	799.5	796.0	791.6	789.0	786.3	780.6	773.6	751.3	745.1	729.4	721.5
15°	798.6	796.4	797.7	797.7	796.9	795.5	789.9	773.6	763.1	747.8	734.2
17.5°	755.7	761.4	767.1	771.0	779.8	783.7	789.0	779.3	772.8	759.6	745.1
20°	680.7	694.7	711.4	714.9	722.8	746.0	756.5	764.9	767.5	763.1	751.3
22.5°	576.4	588.2	628.6	627.7	639.1	666.7	697.4	722.4	742.1	753.0	748.6
25°	451.5	468.1	489.6	505.8	543.1	584.3	622.4	662.3	696.5	726.7	734.2
27.5°	341.5	363.4	380.5	401.9	420.8	469.4	518.5	580.8	620.7	678.1	707.9
30°	276.1	286.2	303.3	313.4	322.6	359.9	415.5	476.9	547.0	613.2	664.5
32.5°	235.8	242.8	255.5	259.9	269.6	294.6	329.6	385.7	458.0	538.3	605.8
35°	211.7	219.2	221.8	225.7	233.6	249.4	273.5	314.3	379.6	458.0	538.7
37.5°	191.1	195.1	202.5	205.1	207.8	219.6	235.8	264.3	307.7	372.1	461.6
40°	176.6	178.8	182.8	185.0	186.7	195.1	209.5	228.8	260.8	309.9	392.3
42.5°	161.3	163.9	166.6	169.2	171.4	178.0	186.7	205.1	226.6	263.9	323.5
45°	146.4	148.2	151.2	153.0	156.0	161.3	169.2	181.9	201.2	224.9	273.1
47.5°	132.8	135.0	136.3	138.5	140.7	146.4	153.9	162.2	178.0	201.2	236.3
50°	120.5	123.2	124.9	125.4	127.1	132.4	138.5	147.7	157.8	175.8	206.4
52.5°	111.8	112.2	113.5	115.3	114.8	117.9	123.6	130.6	141.1	155.6	178.0
55°	101.7	103.0	103.9	104.3	104.3	106.9	110.0	116.6	124.9	136.8	155.6
57.5°	89.0	90.3	92.9	93.8	95.1	96.4	97.7	102.1	109.1	120.5	135.9
60°	75.8	76.7	79.3	81.1	82.0	85.5	87.2	90.7	94.7	103.0	117.5
62.5°	60.9	61.8	63.1	64.9	66.6	71.9	76.3	79.8	82.8	88.5	100.4
65°	53.0	53.5	54.4	54.8	55.2	57.4	61.4	66.2	71.9	76.3	83.3
67.5°	46.0	46.5	46.9	47.8	48.2	48.7	50.4	51.7	57.4	63.6	68.8
70°	39.4	40.3	40.8	40.8	41.2	42.1	43.0	44.7	46.5	49.5	56.1
72.5°	33.3	33.8	34.6	34.6	34.6	35.5	36.4	37.3	38.1	39.9	42.5
75°	27.6	28.5	28.5	28.5	28.9	28.9	29.8	30.7	31.6	32.9	33.8
77.5°	22.8	22.8	22.8	22.8	23.2	23.2	23.7	24.5	25.0	25.4	26.3
80°	17.1	17.5	17.5	17.5	18.0	18.0	18.0	18.8	19.3	19.3	20.2
82.5°	12.7	12.7	12.7	13.1	12.7	13.1	13.1	13.6	13.1	13.6	14.0
85°	7.9	7.9	7.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.8
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.4	3.9	3.9
90°	11.6	11.6	11.6	11.4	11.3	10.6	11.3	11.6	12.0	11.6	9.5
92.5°	21.8	23.3	23.6	25.0	26.4	30.3	35.6	45.4	54.3	53.6	41.6
95°	40.9	43.7	48.3	52.2	56.0	70.8	92.3	120.8	138.1	122.3	81.4
97.5°	73.3	80.3	94.1	104.6	115.2	150.8	188.8	226.9	225.1	174.0	108.2
100°	142.7	157.8	187.1	208.4	229.7	278.0	321.7	329.1	278.3	191.7	115.6
102.5°	268.5	297.0	329.4	352.3	375.2	407.3	408.7	367.1	280.1	185.0	115.9
105°	417.1	439.0	460.8	466.6	472.4	467.9	428.1	354.8	261.1	175.8	117.7
107.5°	511.6	514.7	515.1	508.0	501.0	466.5	407.3	328.7	243.4	170.9	121.5
110°	537.6	530.9	515.8	501.4	486.9	441.8	378.7	304.4	231.5	169.5	126.5

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	530.6	518.2	495.7	478.6	461.5	412.6	352.7	287.5	223.7	169.8	131.8
115°	510.1	493.9	468.9	450.8	432.6	386.5	332.2	274.1	218.4	171.2	137.0
117.5°	484.4	467.2	441.4	424.2	406.9	363.9	315.3	264.9	215.6	173.3	142.7
120°	457.7	441.1	416.4	400.4	384.4	347.0	303.3	257.9	213.1	175.5	148.3
122.5°	433.7	417.5	396.0	381.9	367.8	332.9	293.8	251.9	211.7	177.9	153.3
125°	412.2	398.8	378.4	365.2	352.0	321.0	284.7	246.3	210.0	180.4	158.5
127.5°	393.9	381.2	363.2	350.9	338.6	309.0	275.5	241.0	208.9	182.8	163.5
130°	377.3	365.3	348.1	336.5	324.8	297.0	266.7	235.7	208.2	185.7	168.1
132.5°	361.1	349.1	332.2	321.4	310.7	285.7	258.2	231.5	207.9	188.5	172.6
135°	343.5	331.9	316.7	306.8	297.0	273.7	250.5	227.6	207.5	190.6	176.5
137.5°	325.5	315.3	300.9	292.1	283.3	264.2	244.2	224.8	207.5	192.7	179.7
140°	307.2	298.1	286.8	279.0	271.3	255.1	238.2	222.3	207.2	194.1	182.1
142.5°	291.4	283.3	272.7	266.5	260.4	247.0	233.2	219.8	207.2	195.2	184.3
145°	275.9	269.9	261.4	256.3	251.2	240.3	228.7	217.7	206.5	195.9	186.0
147.5°	263.5	258.6	251.2	247.3	243.4	234.6	225.1	215.6	205.4	196.2	187.1
150°	252.3	248.0	242.7	239.6	236.4	229.0	221.3	212.8	204.3	195.9	187.8
152.5°	243.1	239.6	235.7	233.0	230.4	224.4	217.4	210.3	202.6	195.2	188.1
155°	235.0	232.5	228.7	226.8	224.8	219.5	213.9	207.2	200.5	194.5	188.5
157.5°	227.2	225.1	222.3	220.7	219.1	214.6	209.6	204.3	198.4	193.1	188.5
160°	220.2	218.4	216.0	214.8	213.5	209.6	205.7	201.2	196.2	192.0	188.5
162.5°	213.5	212.4	210.0	209.1	208.2	205.0	201.9	198.4	194.5	191.0	188.1
165°	207.2	205.7	204.3	203.6	202.9	200.5	198.0	195.2	192.0	189.5	187.4
167.5°	200.8	200.1	199.4	198.7	198.0	196.2	194.1	192.0	189.9	188.1	187.1
170°	195.9	194.8	194.5	194.2	193.8	192.4	191.3	189.5	188.1	187.1	186.4
172.5°	191.0	190.6	190.2	190.0	189.9	188.8	188.1	187.1	186.0	185.7	185.3
175°	187.4	187.1	187.1	186.9	186.7	186.4	186.0	185.0	184.6	184.3	184.6
177.5°	184.6	184.6	184.6	184.6	184.6	184.3	184.3	183.6	183.2	183.6	184.3
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	643.9	641.7	641.7	640.4	640.4	633.4	633.4	635.6	632.9	629.9	625.5
5°	660.5	655.7	654.4	652.7	647.0	638.2	634.7	633.4	628.1	621.5	614.1
7.5°	676.3	668.4	664.5	660.5	653.1	640.8	633.8	629.0	621.1	611.0	601.4
10°	691.7	681.6	671.5	666.7	656.2	640.8	630.7	622.9	611.5	597.9	584.3
12.5°	705.7	684.7	682.9	673.3	657.9	640.4	625.0	613.6	599.2	583.4	567.6
15°	718.0	696.5	686.0	677.2	657.0	635.1	618.9	604.9	585.6	567.6	548.3
17.5°	724.1	700.9	693.9	679.4	658.8	630.3	608.4	591.3	570.3	548.8	526.9
20°	730.2	703.1	691.7	681.6	653.5	621.1	596.6	576.8	553.6	528.2	504.1
22.5°	733.3	703.1	689.5	675.5	648.3	611.0	582.1	558.9	531.7	505.8	476.9
25°	728.0	700.4	684.2	669.8	639.1	598.7	565.4	539.1	510.2	480.8	451.5
27.5°	714.9	694.3	675.5	660.5	626.4	583.0	547.9	518.1	488.3	455.4	425.6
30°	690.4	681.1	666.2	649.6	612.3	568.9	527.3	496.6	463.7	430.9	399.7
32.5°	652.2	660.1	650.5	636.0	595.7	549.7	505.4	474.3	438.3	402.8	374.3
35°	605.8	633.8	628.6	618.5	578.1	529.1	484.8	447.1	411.1	375.2	346.7
37.5°	554.9	597.4	601.8	595.7	558.0	508.0	459.4	422.5	385.7	349.3	320.4
40°	485.2	550.5	564.6	567.2	536.9	482.6	431.7	395.8	359.4	323.9	288.9
42.5°	421.2	503.6	521.2	532.1	510.2	457.6	406.3	366.4	330.5	298.5	263.4
45°	361.2	447.1	475.6	489.6	480.0	429.1	376.1	338.8	305.9	276.6	242.8
47.5°	299.4	385.7	425.6	448.0	448.0	400.2	347.1	310.3	278.8	253.8	224.0
50°	258.2	330.1	371.3	400.6	408.5	370.8	320.8	284.9	255.1	227.9	205.1
52.5°	220.0	284.5	318.7	349.3	372.1	339.3	291.5	259.0	229.7	204.3	186.3
55°	190.2	238.4	269.6	303.3	328.7	307.3	263.0	231.4	206.0	185.0	169.6
57.5°	161.7	203.8	229.2	259.0	286.2	270.0	234.5	207.3	185.0	166.6	153.0
60°	137.6	171.8	191.5	214.8	248.5	237.1	207.8	182.8	164.8	148.2	136.8
62.5°	117.0	144.2	160.9	177.5	208.2	202.9	180.1	160.9	145.5	131.5	121.9
65°	96.0	118.3	131.5	146.0	170.5	172.7	154.3	140.7	126.7	114.4	105.6
67.5°	77.6	95.1	106.9	119.2	138.9	145.1	132.4	121.0	109.1	99.1	91.2
70°	62.7	75.0	83.7	93.4	109.6	117.0	110.5	102.6	92.9	84.6	77.6
72.5°	49.5	57.4	62.7	70.1	83.3	90.7	90.3	83.3	76.3	70.6	64.9
75°	36.4	42.5	46.9	51.7	62.2	69.3	71.0	67.9	60.9	56.5	52.2
77.5°	27.6	31.1	33.3	36.8	44.3	50.4	53.0	52.2	47.3	43.8	40.8
80°	21.0	21.9	22.8	24.1	30.2	35.9	37.7	37.3	34.6	33.3	29.8
82.5°	14.9	15.3	15.8	16.2	18.4	23.2	25.0	25.9	23.7	22.4	19.3
85°	8.8	9.2	9.2	10.1	10.5	11.8	14.9	14.9	14.5	12.7	12.3
87.5°	4.4	4.4	3.9	3.9	4.4	4.8	5.7	6.6	5.7	5.3	4.8
90°	7.0	5.3	4.8	4.2	3.5	2.8	1.4	0.4	1.4	2.8	3.5
92.5°	28.2	18.7	16.8	14.8	12.0	10.2	7.4	5.3	7.4	10.2	12.0
95°	50.7	34.5	30.3	26.1	20.4	17.3	13.7	12.3	13.7	17.3	20.4
97.5°	65.5	44.7	40.0	35.2	28.9	24.3	20.4	18.3	20.4	24.3	28.9
100°	72.6	53.9	49.0	44.0	37.0	31.4	28.2	27.1	28.2	31.4	37.0
102.5°	78.9	62.0	57.0	52.1	44.7	39.1	35.9	35.2	35.9	39.1	44.7
105°	86.3	69.8	64.8	59.9	52.1	46.9	44.4	43.0	44.4	46.9	52.1
107.5°	93.7	77.5	72.6	67.6	59.9	55.0	52.5	51.4	52.5	55.0	59.9
110°	101.1	85.6	80.5	75.4	68.0	63.4	61.3	59.9	61.3	63.4	68.0

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	108.2	93.4	88.1	82.8	75.7	71.5	69.1	67.6	69.1	71.5	75.7
115°	115.6	100.4	95.6	90.9	83.9	79.6	77.5	75.7	77.5	79.6	83.9
117.5°	122.3	108.2	103.2	98.3	91.6	87.7	85.6	84.2	85.6	87.7	91.6
120°	129.3	115.6	110.6	105.7	98.6	95.5	93.4	92.0	93.4	95.5	98.6
122.5°	136.0	123.3	118.2	113.1	106.0	102.5	100.4	99.4	100.4	102.5	106.0
125°	142.7	130.0	125.0	120.1	113.1	108.9	106.8	105.7	106.8	108.9	113.1
127.5°	149.0	136.7	131.6	126.5	119.8	115.2	112.4	111.0	112.4	115.2	119.8
130°	154.7	142.3	137.4	132.5	125.4	120.5	117.0	115.6	117.0	120.5	125.4
132.5°	159.6	148.0	143.0	138.1	130.7	125.4	121.5	119.8	121.5	125.4	130.7
135°	164.2	152.9	148.0	143.0	134.9	129.7	125.4	124.0	125.4	129.7	134.9
137.5°	168.1	156.8	152.2	147.6	139.5	133.9	129.7	127.9	129.7	133.9	139.5
140°	171.2	160.7	156.1	151.5	143.7	138.1	133.9	132.5	133.9	138.1	143.7
142.5°	173.7	163.5	159.2	155.0	147.6	142.0	138.1	137.0	138.1	142.0	147.6
145°	176.2	166.6	162.8	158.9	151.8	146.6	143.0	141.6	143.0	146.6	151.8
147.5°	178.3	169.1	165.6	162.1	156.1	151.1	147.6	146.6	147.6	151.1	156.1
150°	179.7	171.6	168.4	165.2	159.9	155.4	152.6	151.5	152.6	155.4	159.9
152.5°	181.1	174.0	171.2	168.4	163.5	159.6	156.8	156.4	156.8	159.6	163.5
155°	182.5	176.5	173.8	171.2	167.3	163.5	161.4	161.0	161.4	163.5	167.3
157.5°	183.6	178.3	176.0	173.7	170.5	167.0	165.2	164.9	165.2	167.0	170.5
160°	184.3	180.0	178.1	176.2	173.3	170.5	169.1	168.8	169.1	170.5	173.3
162.5°	184.6	181.1	179.7	178.3	175.8	173.7	172.3	172.6	172.3	173.7	175.8
165°	185.0	181.8	180.8	179.7	177.9	175.8	175.1	175.5	175.1	175.8	177.9
167.5°	185.0	182.5	181.8	181.1	179.7	178.3	177.6	177.9	177.6	178.3	179.7
170°	184.6	182.8	182.3	181.8	181.1	180.0	179.7	180.4	179.7	180.0	181.1
172.5°	184.3	183.2	182.8	182.5	182.1	181.1	181.4	181.8	181.4	181.1	182.1
175°	183.9	183.2	183.0	182.8	182.8	182.1	182.5	182.8	182.5	182.1	182.8
177.5°	183.6	183.2	183.2	183.2	183.2	182.5	182.8	183.6	182.8	182.5	183.2
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	623.7	624.2	625.5	621.5	615.4	612.8	604.9	603.6	602.3	602.3	603.6
5°	609.7	607.9	608.4	600.9	592.2	586.9	576.0	577.7	572.0	568.5	569.4
7.5°	594.4	589.5	589.1	579.5	568.5	558.9	547.5	544.8	539.6	533.4	530.8
10°	575.1	571.6	565.0	554.0	540.0	532.1	516.8	507.6	506.3	497.1	493.5
12.5°	555.4	549.2	542.6	527.3	511.5	498.8	487.4	477.3	470.3	462.4	457.2
15°	532.6	525.1	517.7	501.4	483.0	470.3	453.2	438.3	417.7	401.5	392.3
17.5°	507.6	499.2	489.2	471.2	453.2	435.7	404.1	386.6	372.1	362.5	356.8
20°	481.7	472.5	462.4	444.5	413.3	382.7	365.1	351.5	342.8	333.1	326.1
22.5°	454.5	444.9	433.9	405.9	373.0	351.5	337.9	325.2	312.5	307.3	303.8
25°	429.1	420.3	406.3	368.2	342.3	322.6	307.3	298.9	292.4	285.3	278.8
27.5°	402.8	386.6	366.9	334.9	318.7	298.5	287.5	281.4	270.0	265.2	262.1
30°	371.3	353.3	334.4	311.6	292.8	278.8	268.7	258.6	252.0	247.2	242.0
32.5°	339.3	322.2	310.3	286.7	272.6	258.2	248.5	242.4	232.7	229.7	227.5
35°	311.6	297.2	286.7	267.4	254.2	241.1	234.1	224.9	218.7	213.0	209.5
37.5°	284.5	276.6	265.6	249.4	235.4	224.9	215.2	212.1	203.8	200.8	197.2
40°	265.6	253.8	244.6	230.6	218.7	207.3	201.2	194.2	188.5	183.7	182.3
42.5°	242.8	234.1	228.8	213.5	201.2	194.6	187.2	179.3	174.9	170.9	166.1
45°	225.7	217.8	210.4	198.1	187.2	178.8	172.3	167.0	159.5	157.8	150.3
47.5°	207.8	199.9	194.2	181.9	171.8	163.9	159.1	152.1	146.0	142.0	138.5
50°	189.8	183.2	178.0	167.4	158.7	150.3	143.8	136.8	134.1	127.6	125.4
52.5°	172.7	168.3	162.6	152.5	143.8	136.8	129.7	124.0	120.1	116.6	114.0
55°	158.2	151.2	148.6	137.6	130.2	122.7	116.6	113.1	108.3	106.1	103.9
57.5°	142.0	138.1	133.7	125.4	117.0	110.0	105.6	100.4	97.7	95.1	93.4
60°	128.0	122.3	118.8	111.8	104.3	97.7	93.8	89.9	86.3	84.2	80.7
62.5°	111.8	107.4	105.2	97.7	91.6	85.5	82.0	78.0	75.4	71.4	67.1
65°	97.7	94.2	91.6	85.5	79.8	74.1	70.6	65.7	62.2	60.0	59.6
67.5°	85.5	82.8	78.9	73.2	67.5	63.1	59.2	55.2	54.8	53.9	53.9
70°	71.9	69.3	67.1	60.9	56.1	51.3	50.4	49.1	47.8	47.3	46.5
72.5°	60.0	57.9	55.2	50.0	45.1	43.8	43.0	42.1	40.8	40.3	39.9
75°	48.7	45.6	43.8	39.0	37.7	36.8	35.9	34.6	33.8	33.3	32.4
77.5°	37.3	34.2	34.2	31.6	30.7	29.4	28.5	27.6	27.2	26.3	26.3
80°	26.3	26.3	25.4	24.1	22.8	22.4	21.0	20.6	20.2	20.6	19.7
82.5°	19.3	17.5	17.5	16.7	15.8	15.3	14.5	14.5	14.0	14.0	14.0
85°	11.0	11.0	10.5	9.6	9.2	9.2	8.8	8.8	8.3	8.3	7.9
87.5°	4.4	3.9	4.4	3.9	3.9	3.5	3.5	3.5	3.1	3.5	3.1
90°	4.2	4.8	5.3	7.0	9.5	11.6	12.0	11.6	11.3	10.6	11.3
92.5°	14.8	16.8	18.7	28.2	41.6	53.6	54.3	45.4	35.6	30.3	26.4
95°	26.1	30.3	34.5	50.7	81.4	122.3	138.1	120.8	92.3	70.8	56.0
97.5°	35.2	40.0	44.7	65.5	108.2	174.0	225.1	226.9	188.8	150.8	115.2
100°	44.0	49.0	53.9	72.6	115.6	191.7	278.3	329.1	321.7	278.0	229.7
102.5°	52.1	57.0	62.0	78.9	115.9	185.0	280.1	367.1	408.7	407.3	375.2
105°	59.9	64.8	69.8	86.3	117.7	175.8	261.1	354.8	428.1	467.9	472.4
107.5°	67.6	72.6	77.5	93.7	121.5	170.9	243.4	328.7	407.3	466.5	501.0
110°	75.4	80.5	85.6	101.1	126.5	169.5	231.5	304.4	378.7	441.8	486.9

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	82.8	88.1	93.4	108.2	131.8	169.8	223.7	287.5	352.7	412.6	461.5
115°	90.9	95.6	100.4	115.6	137.0	171.2	218.4	274.1	332.2	386.5	432.6
117.5°	98.3	103.2	108.2	122.3	142.7	173.3	215.6	264.9	315.3	363.9	406.9
120°	105.7	110.6	115.6	129.3	148.3	175.5	213.1	257.9	303.3	347.0	384.4
122.5°	113.1	118.2	123.3	136.0	153.3	177.9	211.7	251.9	293.8	332.9	367.8
125°	120.1	125.0	130.0	142.7	158.5	180.4	210.0	246.3	284.7	321.0	352.0
127.5°	126.5	131.6	136.7	149.0	163.5	182.8	208.9	241.0	275.5	309.0	338.6
130°	132.5	137.4	142.3	154.7	168.1	185.7	208.2	235.7	266.7	297.0	324.8
132.5°	138.1	143.0	148.0	159.6	172.6	188.5	207.9	231.5	258.2	285.7	310.7
135°	143.0	148.0	152.9	164.2	176.5	190.6	207.5	227.6	250.5	273.7	297.0
137.5°	147.6	152.2	156.8	168.1	179.7	192.7	207.5	224.8	244.2	264.2	283.3
140°	151.5	156.1	160.7	171.2	182.1	194.1	207.2	222.3	238.2	255.1	271.3
142.5°	155.0	159.2	163.5	173.7	184.3	195.2	207.2	219.8	233.2	247.0	260.4
145°	158.9	162.8	166.6	176.2	186.0	195.9	206.5	217.7	228.7	240.3	251.2
147.5°	162.1	165.6	169.1	178.3	187.1	196.2	205.4	215.6	225.1	234.6	243.4
150°	165.2	168.4	171.6	179.7	187.8	195.9	204.3	212.8	221.3	229.0	236.4
152.5°	168.4	171.2	174.0	181.1	188.1	195.2	202.6	210.3	217.4	224.4	230.4
155°	171.2	173.8	176.5	182.5	188.5	194.5	200.5	207.2	213.9	219.5	224.8
157.5°	173.7	176.0	178.3	183.6	188.5	193.1	198.4	204.3	209.6	214.6	219.1
160°	176.2	178.1	180.0	184.3	188.5	192.0	196.2	201.2	205.7	209.6	213.5
162.5°	178.3	179.7	181.1	184.6	188.1	191.0	194.5	198.4	201.9	205.0	208.2
165°	179.7	180.8	181.8	185.0	187.4	189.5	192.0	195.2	198.0	200.5	202.9
167.5°	181.1	181.8	182.5	185.0	187.1	188.1	189.9	192.0	194.1	196.2	198.0
170°	181.8	182.3	182.8	184.6	186.4	187.1	188.1	189.5	191.3	192.4	193.8
172.5°	182.5	182.8	183.2	184.3	185.3	185.7	186.0	187.1	188.1	188.8	189.9
175°	182.8	183.0	183.2	183.9	184.6	184.3	184.6	185.0	186.0	186.4	186.7
177.5°	183.2	183.2	183.2	183.6	184.3	183.6	183.2	183.6	184.3	184.3	184.6
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	603.6	602.7	600.1	600.9	599.6	599.6	598.7	598.7	598.7	600.9	599.6
5°	570.7	567.6	564.6	563.2	561.9	560.6	560.6	560.2	564.1	563.2	566.7
7.5°	529.9	529.1	522.9	522.9	520.7	519.8	522.0	522.5	522.9	523.8	526.0
10°	493.5	491.4	482.6	483.5	482.2	480.4	481.7	480.8	483.9	484.8	483.9
12.5°	450.6	446.6	437.0	432.2	426.9	423.0	427.8	424.3	436.6	440.1	449.7
15°	393.6	386.2	379.6	379.6	374.8	371.3	373.4	377.4	380.0	384.0	385.7
17.5°	355.5	352.4	347.1	344.1	342.8	341.5	341.5	343.2	348.9	348.5	352.0
20°	323.0	321.3	318.7	314.7	313.4	312.5	312.5	312.5	316.5	320.0	322.2
22.5°	300.7	299.4	297.6	292.4	289.7	288.9	291.0	292.4	295.4	298.1	300.2
25°	278.3	275.3	272.2	270.4	269.1	269.1	270.0	270.4	271.8	273.1	275.7
27.5°	259.9	257.7	253.3	248.5	248.5	247.2	248.1	249.0	252.0	256.4	258.6
30°	239.3	238.9	237.1	235.4	233.6	232.7	234.5	235.8	236.3	238.4	238.4
32.5°	224.4	221.4	218.3	216.5	215.7	215.2	215.7	217.4	217.4	220.0	223.1
35°	209.5	207.8	204.7	201.6	200.8	198.6	200.3	202.1	205.1	206.4	207.8
37.5°	193.3	191.1	189.8	188.9	187.2	187.6	186.3	188.9	191.5	191.1	192.0
40°	181.0	177.1	173.1	172.7	172.3	171.8	171.8	172.3	174.0	175.8	178.4
42.5°	165.2	163.9	160.4	156.9	156.0	155.2	154.3	156.0	159.5	162.6	163.9
45°	149.0	147.3	146.4	143.8	142.0	141.6	140.7	142.9	146.0	147.3	148.2
47.5°	134.1	133.7	131.1	131.5	130.2	130.6	130.2	131.5	131.5	132.8	133.7
50°	124.0	122.7	121.4	120.5	119.2	119.2	118.8	119.2	121.0	122.7	122.3
52.5°	114.0	111.8	111.3	110.9	110.0	110.9	109.6	110.0	111.8	112.6	112.2
55°	102.1	101.7	100.8	99.9	99.5	99.1	99.1	99.1	100.8	102.1	102.6
57.5°	92.9	90.7	89.0	89.0	87.2	86.8	87.7	88.1	89.4	90.3	91.2
60°	80.2	79.3	76.7	75.4	72.8	72.3	72.3	74.1	76.3	79.3	80.2
62.5°	66.6	65.3	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.3	65.3
65°	59.2	59.6	59.2	58.7	59.2	59.2	58.7	58.7	58.7	59.2	59.6
67.5°	53.0	52.6	53.0	52.6	52.2	52.2	51.7	52.2	52.6	53.0	53.0
70°	46.0	46.0	45.6	46.0	45.6	45.1	44.7	44.7	45.6	46.0	46.0
72.5°	39.4	39.4	39.0	39.0	38.1	38.1	38.6	38.1	38.1	39.4	39.4
75°	32.9	32.4	32.0	32.0	31.6	31.6	31.6	31.1	32.0	32.0	32.4
77.5°	25.9	25.9	25.9	25.4	25.4	25.0	25.0	25.4	25.4	25.4	25.9
80°	19.7	19.7	19.7	19.3	18.8	18.8	18.8	18.8	18.8	19.3	18.8
82.5°	13.6	13.6	13.6	13.6	13.6	13.1	13.1	13.1	13.6	13.6	13.1
85°	8.3	7.9	8.3	8.3	7.9	8.3	7.9	7.9	7.5	7.5	7.9
87.5°	3.5	3.1	2.6	2.6	3.1	2.6	2.6	2.6	3.1	2.6	2.6
90°	11.4	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.4
92.5°	25.0	23.6	23.3	21.8	22.2	21.5	22.2	21.8	23.3	23.6	25.0
95°	52.2	48.3	43.7	40.9	39.8	40.2	39.8	40.9	43.7	48.3	52.2
97.5°	104.6	94.1	80.3	73.3	69.4	67.3	69.4	73.3	80.3	94.1	104.6
100°	208.4	187.1	157.8	142.7	132.5	126.1	132.5	142.7	157.8	187.1	208.4
102.5°	352.3	329.4	297.0	268.5	255.1	245.9	255.1	268.5	297.0	329.4	352.3
105°	466.6	460.8	439.0	417.1	402.0	397.1	402.0	417.1	439.0	460.8	466.6
107.5°	508.0	515.1	514.7	511.6	507.0	498.9	507.0	511.6	514.7	515.1	508.0
110°	501.4	515.8	530.9	537.6	540.8	540.4	540.8	537.6	530.9	515.8	501.4

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	478.6	495.7	518.2	530.6	537.3	539.7	537.3	530.6	518.2	495.7	478.6
115°	450.8	468.9	493.9	510.1	519.3	522.5	519.3	510.1	493.9	468.9	450.8
117.5°	424.2	441.4	467.2	484.4	493.9	496.4	493.9	484.4	467.2	441.4	424.2
120°	400.4	416.4	441.1	457.7	467.9	471.4	467.9	457.7	441.1	416.4	400.4
122.5°	381.9	396.0	417.5	433.7	442.5	445.3	442.5	433.7	417.5	396.0	381.9
125°	365.2	378.4	398.8	412.2	421.0	423.8	421.0	412.2	398.8	378.4	365.2
127.5°	350.9	363.2	381.2	393.9	401.6	403.7	401.6	393.9	381.2	363.2	350.9
130°	336.5	348.1	365.3	377.3	384.4	387.2	384.4	377.3	365.3	348.1	336.5
132.5°	321.4	332.2	349.1	361.1	367.5	369.9	367.5	361.1	349.1	332.2	321.4
135°	306.8	316.7	331.9	343.5	349.8	351.3	349.8	343.5	331.9	316.7	306.8
137.5°	292.1	300.9	315.3	325.5	331.2	333.3	331.2	325.5	315.3	300.9	292.1
140°	279.0	286.8	298.1	307.2	312.5	314.6	312.5	307.2	298.1	286.8	279.0
142.5°	266.5	272.7	283.3	291.4	295.9	295.9	295.9	291.4	283.3	272.7	266.5
145°	256.3	261.4	269.9	275.9	279.4	280.4	279.4	275.9	269.9	261.4	256.3
147.5°	247.3	251.2	258.6	263.5	266.0	266.7	266.0	263.5	258.6	251.2	247.3
150°	239.6	242.7	248.0	252.3	254.4	254.7	254.4	252.3	248.0	242.7	239.6
152.5°	233.0	235.7	239.6	243.1	244.5	244.5	244.5	243.1	239.6	235.7	233.0
155°	226.8	228.7	232.5	235.0	236.4	235.7	236.4	235.0	232.5	228.7	226.8
157.5°	220.7	222.3	225.1	227.2	227.9	227.9	227.9	227.2	225.1	222.3	220.7
160°	214.8	216.0	218.4	220.2	220.5	220.5	220.5	220.2	218.4	216.0	214.8
162.5°	209.1	210.0	212.4	213.5	213.9	213.5	213.9	213.5	212.4	210.0	209.1
165°	203.6	204.3	205.7	207.2	207.2	206.8	207.2	207.2	205.7	204.3	203.6
167.5°	198.7	199.4	200.1	200.8	200.8	200.5	200.8	200.8	200.1	199.4	198.7
170°	194.2	194.5	194.8	195.9	195.5	194.8	195.5	195.9	194.8	194.5	194.2
172.5°	190.0	190.2	190.6	191.0	190.6	190.2	190.6	191.0	190.6	190.2	190.0
175°	186.9	187.1	187.1	187.4	187.1	186.4	187.1	187.4	187.1	187.1	186.9
177.5°	184.6	184.6	184.6	184.6	184.3	183.6	184.3	184.6	184.6	184.6	184.6
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	600.9	603.1	602.3	597.4	602.3	603.6	606.2	608.8	610.6	613.2	615.4
5°	563.2	567.6	570.3	567.6	576.4	577.7	583.8	587.3	592.6	597.0	600.5
7.5°	527.7	531.2	536.5	537.4	542.6	548.8	557.5	566.3	574.6	579.0	583.0
10°	489.6	495.7	503.6	501.9	509.8	519.4	528.6	542.6	549.7	557.5	564.6
12.5°	451.5	455.4	465.9	469.4	480.8	488.3	501.0	509.8	527.3	536.5	542.6
15°	384.8	401.1	414.2	430.0	444.9	458.9	470.3	486.1	501.4	508.5	518.5
17.5°	354.6	362.1	369.9	377.8	397.1	422.1	442.3	459.4	472.5	481.7	493.5
20°	323.0	330.5	339.3	346.7	358.5	376.5	401.5	430.9	446.6	456.3	467.7
22.5°	300.7	307.7	313.4	320.0	329.2	342.3	361.2	397.6	418.6	430.4	440.5
25°	276.6	285.3	291.5	296.3	303.8	318.2	333.6	354.2	391.9	401.1	415.1
27.5°	259.9	262.6	269.6	277.0	284.5	292.4	308.1	325.7	351.1	371.3	388.4
30°	240.2	246.8	253.3	256.4	263.0	274.4	284.0	302.9	322.6	338.4	359.0
32.5°	225.3	229.2	233.6	241.1	247.2	255.1	264.7	280.5	297.2	307.3	323.0
35°	208.6	211.3	220.5	223.5	229.7	237.6	247.2	259.5	277.5	285.3	296.7
37.5°	192.9	199.0	201.6	208.6	214.3	222.2	229.2	243.3	255.1	264.3	274.8
40°	180.6	183.2	188.0	194.2	199.0	205.1	213.9	224.0	236.7	244.1	253.3
42.5°	165.7	167.9	174.0	177.5	185.4	191.1	196.4	208.6	220.0	225.7	234.9
45°	149.5	154.7	158.7	165.7	170.1	177.1	183.7	192.4	202.9	209.5	214.8
47.5°	135.4	140.7	144.6	151.2	158.2	161.3	168.3	177.5	187.2	192.4	199.9
50°	124.0	125.8	133.2	136.3	143.8	149.9	154.7	162.6	173.1	176.2	182.3
52.5°	113.1	114.4	119.2	123.2	129.7	135.0	141.1	148.6	157.4	162.2	167.0
55°	103.4	104.3	106.5	110.9	115.3	121.9	127.6	134.6	142.0	147.3	151.7
57.5°	92.5	94.2	96.0	98.6	103.0	109.1	115.3	121.9	128.0	131.5	137.2
60°	79.8	82.4	85.5	88.5	91.6	96.0	103.0	109.1	114.8	117.9	122.3
62.5°	66.2	71.4	74.1	77.6	80.2	84.2	89.4	96.4	100.4	104.3	107.8
65°	59.6	60.0	60.5	64.0	68.8	72.8	77.6	82.8	89.0	91.6	94.2
67.5°	53.0	53.5	54.4	54.8	56.5	60.9	66.2	71.9	76.7	78.5	81.1
70°	46.5	46.5	48.2	48.7	49.1	49.5	53.9	59.6	64.0	66.2	69.3
72.5°	39.4	39.9	40.8	41.2	42.1	43.0	44.3	47.3	52.6	54.8	58.3
75°	32.4	32.9	33.3	33.8	35.1	35.5	36.8	38.6	40.8	43.4	45.6
77.5°	25.9	25.9	26.3	27.2	28.1	28.5	29.8	30.7	31.6	32.9	34.6
80°	19.3	19.7	19.7	20.6	20.6	21.0	21.5	22.8	23.7	24.5	25.4
82.5°	13.1	14.0	14.0	14.0	14.5	14.9	15.3	15.3	16.2	16.7	18.0
85°	7.9	8.3	8.3	8.3	7.9	8.8	8.8	9.2	9.2	9.2	9.6
87.5°	3.1	2.6	3.1	3.1	3.1	3.5	3.1	3.1	3.5	3.9	3.9
90°	11.3	10.6	11.3	11.6	12.0	11.6	9.5	7.0	5.3	4.8	4.2
92.5°	26.4	30.3	35.6	45.4	54.3	53.6	41.6	28.2	18.7	16.8	14.8
95°	56.0	70.8	92.3	120.8	138.1	122.3	81.4	50.7	34.5	30.3	26.1
97.5°	115.2	150.8	188.8	226.9	225.1	174.0	108.2	65.5	44.7	40.0	35.2
100°	229.7	278.0	321.7	329.1	278.3	191.7	115.6	72.6	53.9	49.0	44.0
102.5°	375.2	407.3	408.7	367.1	280.1	185.0	115.9	78.9	62.0	57.0	52.1
105°	472.4	467.9	428.1	354.8	261.1	175.8	117.7	86.3	69.8	64.8	59.9
107.5°	501.0	466.5	407.3	328.7	243.4	170.9	121.5	93.7	77.5	72.6	67.6
110°	486.9	441.8	378.7	304.4	231.5	169.5	126.5	101.1	85.6	80.5	75.4

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	461.5	412.6	352.7	287.5	223.7	169.8	131.8	108.2	93.4	88.1	82.8
115°	432.6	386.5	332.2	274.1	218.4	171.2	137.0	115.6	100.4	95.6	90.9
117.5°	406.9	363.9	315.3	264.9	215.6	173.3	142.7	122.3	108.2	103.2	98.3
120°	384.4	347.0	303.3	257.9	213.1	175.5	148.3	129.3	115.6	110.6	105.7
122.5°	367.8	332.9	293.8	251.9	211.7	177.9	153.3	136.0	123.3	118.2	113.1
125°	352.0	321.0	284.7	246.3	210.0	180.4	158.5	142.7	130.0	125.0	120.1
127.5°	338.6	309.0	275.5	241.0	208.9	182.8	163.5	149.0	136.7	131.6	126.5
130°	324.8	297.0	266.7	235.7	208.2	185.7	168.1	154.7	142.3	137.4	132.5
132.5°	310.7	285.7	258.2	231.5	207.9	188.5	172.6	159.6	148.0	143.0	138.1
135°	297.0	273.7	250.5	227.6	207.5	190.6	176.5	164.2	152.9	148.0	143.0
137.5°	283.3	264.2	244.2	224.8	207.5	192.7	179.7	168.1	156.8	152.2	147.6
140°	271.3	255.1	238.2	222.3	207.2	194.1	182.1	171.2	160.7	156.1	151.5
142.5°	260.4	247.0	233.2	219.8	207.2	195.2	184.3	173.7	163.5	159.2	155.0
145°	251.2	240.3	228.7	217.7	206.5	195.9	186.0	176.2	166.6	162.8	158.9
147.5°	243.4	234.6	225.1	215.6	205.4	196.2	187.1	178.3	169.1	165.6	162.1
150°	236.4	229.0	221.3	212.8	204.3	195.9	187.8	179.7	171.6	168.4	165.2
152.5°	230.4	224.4	217.4	210.3	202.6	195.2	188.1	181.1	174.0	171.2	168.4
155°	224.8	219.5	213.9	207.2	200.5	194.5	188.5	182.5	176.5	173.8	171.2
157.5°	219.1	214.6	209.6	204.3	198.4	193.1	188.5	183.6	178.3	176.0	173.7
160°	213.5	209.6	205.7	201.2	196.2	192.0	188.5	184.3	180.0	178.1	176.2
162.5°	208.2	205.0	201.9	198.4	194.5	191.0	188.1	184.6	181.1	179.7	178.3
165°	202.9	200.5	198.0	195.2	192.0	189.5	187.4	185.0	181.8	180.8	179.7
167.5°	198.0	196.2	194.1	192.0	189.9	188.1	187.1	185.0	182.5	181.8	181.1
170°	193.8	192.4	191.3	189.5	188.1	187.1	186.4	184.6	182.8	182.3	181.8
172.5°	189.9	188.8	188.1	187.1	186.0	185.7	185.3	184.3	183.2	182.8	182.5
175°	186.7	186.4	186.0	185.0	184.6	184.3	184.6	183.9	183.2	183.0	182.8
177.5°	184.6	184.3	184.3	183.6	183.2	183.6	184.3	183.6	183.2	183.2	183.2
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	630.7	630.7	630.7	630.7
2.5°	619.3	618.0	625.9	634.7
5°	606.6	608.8	618.9	631.2
7.5°	593.5	598.3	610.1	626.4
10°	575.1	583.8	601.8	618.5
12.5°	557.1	568.9	586.0	605.8
15°	536.9	550.1	571.1	594.8
17.5°	514.6	529.5	554.0	579.9
20°	490.9	510.6	536.5	564.6
22.5°	464.6	488.3	515.0	546.1
25°	439.2	465.1	491.8	527.7
27.5°	414.2	439.6	469.4	505.8
30°	389.2	412.5	444.5	483.5
32.5°	362.5	386.6	420.3	460.2
35°	337.9	362.1	393.6	433.1
37.5°	311.6	337.5	367.8	408.5
40°	281.0	311.2	340.6	379.6
42.5°	255.5	287.5	316.0	352.8
45°	235.4	265.6	289.3	325.2
47.5°	216.5	241.1	265.2	298.5
50°	198.6	217.4	242.4	272.2
52.5°	180.1	196.4	217.8	245.9
55°	163.5	178.8	198.1	219.6
57.5°	148.2	159.1	178.4	197.7
60°	131.1	142.5	157.4	173.6
62.5°	116.6	125.4	139.4	153.0
65°	101.3	109.6	120.1	132.8
67.5°	87.2	94.7	103.0	113.1
70°	74.5	80.2	86.3	95.1
72.5°	60.9	67.1	72.8	79.8
75°	50.0	52.6	57.4	62.2
77.5°	38.6	42.1	44.7	48.7
80°	27.6	30.7	31.6	34.6
82.5°	18.4	20.2	21.9	22.8
85°	10.5	11.4	13.1	13.6
87.5°	3.9	4.4	5.3	6.1
90°	3.5	2.8	1.4	0.4
92.5°	12.0	10.2	7.4	5.3
95°	20.4	17.3	13.7	12.3
97.5°	28.9	24.3	20.4	18.3
100°	37.0	31.4	28.2	27.1
102.5°	44.7	39.1	35.9	35.2
105°	52.1	46.9	44.4	43.0
107.5°	59.9	55.0	52.5	51.4
110°	68.0	63.4	61.3	59.9

TEST NUMBER: P999507

CATALOG NUMBER: SA2XXRDIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	75.7	71.5	69.1	67.6
115°	83.9	79.6	77.5	75.7
117.5°	91.6	87.7	85.6	84.2
120°	98.6	95.5	93.4	92.0
122.5°	106.0	102.5	100.4	99.4
125°	113.1	108.9	106.8	105.7
127.5°	119.8	115.2	112.4	111.0
130°	125.4	120.5	117.0	115.6
132.5°	130.7	125.4	121.5	119.8
135°	134.9	129.7	125.4	124.0
137.5°	139.5	133.9	129.7	127.9
140°	143.7	138.1	133.9	132.5
142.5°	147.6	142.0	138.1	137.0
145°	151.8	146.6	143.0	141.6
147.5°	156.1	151.1	147.6	146.6
150°	159.9	155.4	152.6	151.5
152.5°	163.5	159.6	156.8	156.4
155°	167.3	163.5	161.4	161.0
157.5°	170.5	167.0	165.2	164.9
160°	173.3	170.5	169.1	168.8
162.5°	175.8	173.7	172.3	172.6
165°	177.9	175.8	175.1	175.5
167.5°	179.7	178.3	177.6	177.9
170°	181.1	180.0	179.7	180.4
172.5°	182.1	181.1	181.4	181.8
175°	182.8	182.1	182.5	182.8
177.5°	183.2	182.5	182.8	183.6
180°	183.2	183.2	183.2	183.2

(END OF REPORT)