

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: P999523

Luminaire Tested: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999523
REPORT IS A COMBINATION OF REPORTS P988076 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4
Description: Define 2 Regressed Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589}
{m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

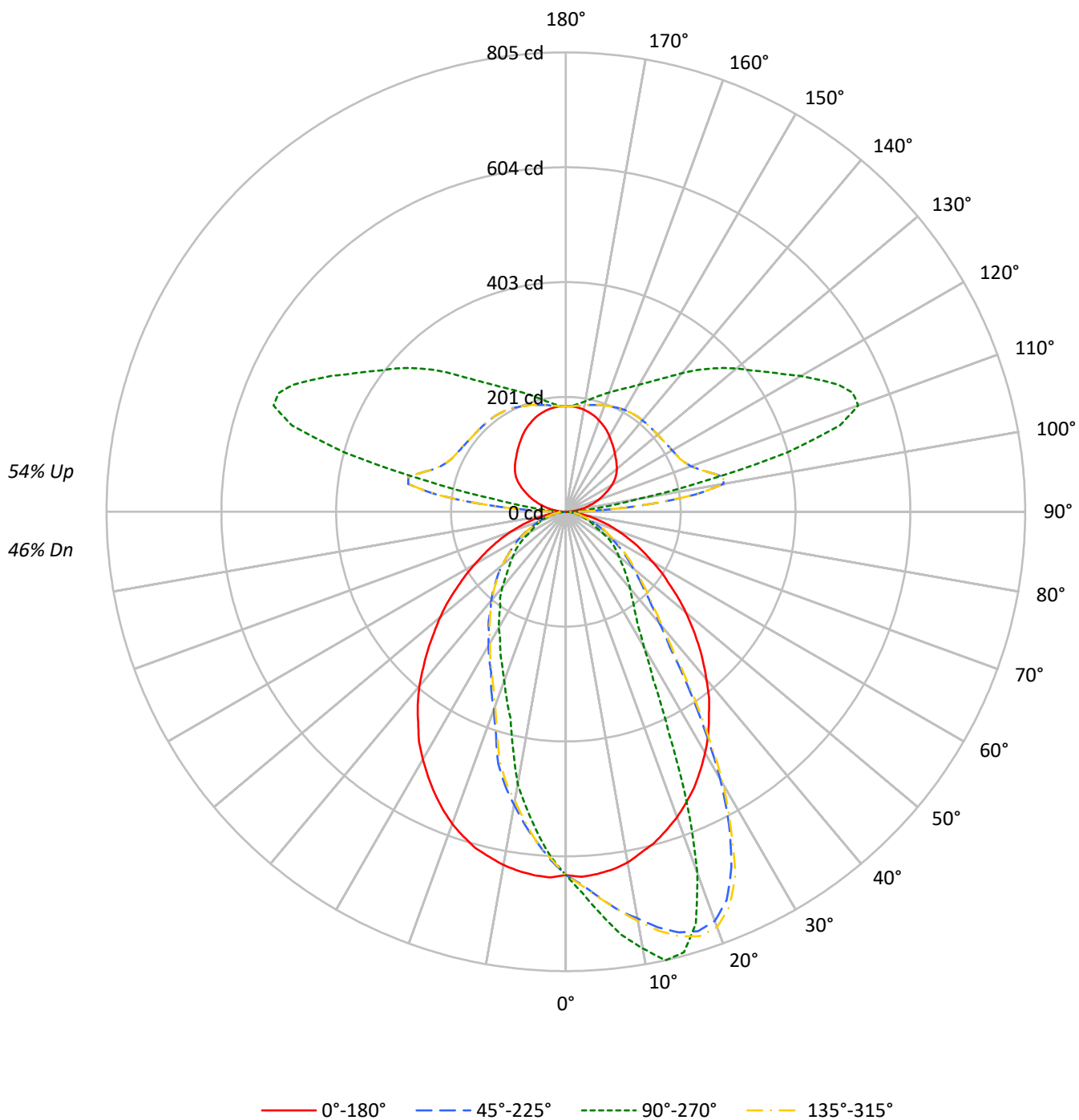
Lumens per Lamp: N/A
Luminaire Lumens: 2388.0 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10075	10075	10075	10075
5°	10100	10702	10135	8550
10°	9987	11313	10059	7060
15°	9772	11315	9936	5304
20°	9510	9353	9717	4376
25°	9195	5844	9394	3723
30°	8791	3743	9031	3205
35°	8299	2876	8569	2743
40°	7754	2417	8083	2399
45°	7168	2058	7467	2014
50°	6569	1749	6875	1742
55°	5905	1519	6225	1500
60°	5316	1159	5599	1145
65°	4764	871	5048	989
70°	4157	697	4482	807
75°	3513	534	3838	609
80°	2786	364	3002	399
85°	1935	188	2119	198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 9218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	2.5
10°-20°	168.5	7.1
20°-30°	216.9	9.1
30°-40°	205.8	8.6
40°-50°	176.3	7.4
50°-60°	134.3	5.6
60°-70°	84.7	3.5
70°-80°	42.3	1.8
80°-90°	12.1	0.5
90°-100°	72.0	3.0
100°-110°	253.7	10.6
110°-120°	266.4	11.2
120°-130°	219.2	9.2
130°-140°	176.1	7.4
140°-150°	133.0	5.6
150°-160°	93.5	3.9
160°-170°	55.0	2.3
170°-180°	17.9	0.7
0°-30°	445.8	18.7
0°-40°	651.5	27.3
0°-60°	962.2	40.3
0°-90°	1101.2	46.1
90°-120°	592.1	24.8
90°-150°	1120.4	46.9
90°-180°	1287.0	53.9
0°-180°	2388.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	636	636	636	636	636	
5°	637	708	639	566	637	60
15°	600	799	610	375	600	169
25°	533	426	544	272	533	245
35°	437	210	451	200	437	273
45°	328	146	342	143	328	253
55°	222	101	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°	0	12	0	12	0	2
95°	12	40	12	40	12	13
105°	43	400	43	400	43	46
115°	76	527	76	527	76	76
125°	107	428	107	428	107	95
135°	125	354	125	354	125	97
145°	143	283	143	283	143	90
155°	162	238	162	238	162	75
165°	177	209	177	209	177	50
175°	184	188	184	188	184	18
180°	185	185	185	185	185	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	640.5	643.2	644.5	646.3	650.2	652.9	656.9	657.8	657.3	659.1	654.2
5°	637.0	642.7	648.0	652.5	659.5	664.0	668.8	674.6	675.9	682.5	678.6
7.5°	632.1	640.5	648.0	656.9	667.5	673.2	680.8	689.6	693.6	701.6	703.8
10°	624.1	636.1	648.9	658.2	672.8	683.0	690.1	704.2	713.5	725.4	723.7
12.5°	611.3	626.8	644.0	659.5	678.6	685.2	698.5	713.1	725.0	736.1	745.8
15°	600.3	618.0	637.0	656.0	677.7	690.1	703.3	722.3	735.2	754.6	763.0
17.5°	585.2	607.8	630.3	651.6	677.2	691.4	707.7	726.3	745.3	763.9	770.6
20°	569.7	594.1	618.4	647.1	676.3	690.1	706.9	729.9	748.4	763.0	763.0
22.5°	551.2	580.8	608.7	636.1	667.9	687.8	705.1	732.1	745.3	748.4	736.5
25°	532.6	562.2	592.7	626.8	663.1	680.8	700.2	725.4	729.9	717.5	686.5
27.5°	510.5	543.6	578.1	614.9	652.9	675.0	692.7	709.5	701.1	667.9	619.7
30°	487.9	523.7	562.7	597.6	643.6	664.0	679.0	683.9	657.3	603.4	541.0
32.5°	464.5	499.4	540.5	582.6	629.0	648.5	658.2	645.4	596.7	528.6	452.5
35°	437.0	476.4	519.3	563.1	609.1	623.7	629.5	598.0	535.7	447.6	372.0
37.5°	412.3	451.6	497.6	542.3	587.0	594.9	589.2	540.1	460.9	373.8	299.9
40°	383.1	425.1	470.2	520.2	556.9	559.1	545.0	481.3	383.1	301.2	255.7
42.5°	356.1	398.5	443.7	494.5	522.4	514.9	495.9	412.3	319.8	259.7	222.9
45°	328.2	368.5	417.1	462.2	482.2	464.5	435.7	346.8	268.5	223.4	195.1
47.5°	301.2	338.8	387.0	430.4	433.9	414.0	380.0	290.6	232.7	196.4	173.4
50°	274.7	312.3	357.4	393.2	389.7	362.3	323.8	252.6	202.1	173.4	154.4
52.5°	248.2	282.2	326.0	354.3	339.3	312.7	274.7	214.1	176.5	151.3	136.7
55°	221.6	253.5	291.1	314.5	290.6	260.1	233.1	183.6	153.0	132.7	121.6
57.5°	199.5	224.7	259.2	273.4	244.6	220.7	197.3	157.9	132.7	118.1	105.3
60°	175.2	198.2	226.5	234.9	205.2	185.8	165.9	133.6	113.7	100.9	92.4
62.5°	154.4	173.4	195.1	195.1	169.0	154.4	139.3	111.9	95.5	85.4	81.4
65°	134.0	147.7	163.2	161.5	139.3	126.5	114.6	92.4	80.1	73.0	69.0
67.5°	114.1	124.7	134.9	128.7	112.8	101.7	90.7	74.8	66.4	61.5	56.2
70°	96.0	104.4	109.7	104.0	88.0	78.7	70.8	60.2	53.5	47.3	44.2
72.5°	80.5	84.0	85.8	78.7	65.5	60.2	54.4	46.9	41.1	38.0	37.2
75°	62.8	65.9	64.6	59.3	48.2	44.2	39.8	34.5	33.2	31.4	30.5
77.5°	49.1	49.1	46.9	42.0	34.5	31.4	29.6	27.0	25.7	25.2	24.3
80°	34.9	34.5	33.2	27.9	23.4	21.7	21.7	19.9	19.5	18.6	18.6
82.5°	23.0	23.0	21.2	16.8	15.5	15.0	14.6	13.7	13.7	13.3	13.3
85°	13.7	12.8	10.6	9.3	8.8	8.8	8.4	8.0	8.4	8.0	8.0
87.5°	6.2	4.9	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	3.6	4.3	4.8	5.3	7.1	9.6	11.7	12.1
92.5°	5.3	7.5	10.3	12.1	14.9	16.8	18.8	28.4	41.9	54.0	54.7
95°	12.4	13.9	17.4	20.6	26.3	30.6	34.8	51.2	82.1	123.3	139.3
97.5°	18.5	20.6	24.5	29.1	35.5	40.3	45.1	66.1	109.1	175.5	227.1
100°	27.4	28.4	31.6	37.3	44.4	49.4	54.4	73.2	116.6	193.3	280.7
102.5°	35.5	36.2	39.4	45.1	52.6	57.6	62.5	79.6	116.9	186.6	282.5
105°	43.4	44.8	47.3	52.6	60.4	65.4	70.4	87.1	118.7	177.3	263.3
107.5°	51.9	52.9	55.4	60.4	68.2	73.2	78.2	94.5	122.6	172.3	245.5
110°	60.4	61.8	64.0	68.6	76.0	81.2	86.3	102.0	127.6	170.9	233.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	68.2	69.6	72.1	76.4	83.5	88.8	94.2	109.1	132.9	171.3	225.6
115°	76.4	78.2	80.3	84.6	91.7	96.5	101.3	116.6	138.2	172.7	220.3
117.5°	84.9	86.3	88.5	92.4	99.1	104.1	109.1	123.3	143.9	174.8	217.5
120°	92.7	94.2	96.3	99.5	106.6	111.6	116.6	130.4	149.6	177.0	215.0
122.5°	100.2	101.3	103.4	107.0	114.1	119.2	124.4	137.2	154.6	179.4	213.6
125°	106.6	107.7	109.8	114.1	121.2	126.2	131.1	143.9	159.9	181.9	211.8
127.5°	111.9	113.4	116.2	120.8	127.6	132.8	137.9	150.3	164.9	184.4	210.7
130°	116.6	118.0	121.5	126.5	133.6	138.6	143.6	156.0	169.5	187.3	210.0
132.5°	120.8	122.6	126.5	131.8	139.3	144.2	149.2	161.0	174.1	190.1	209.7
135°	125.1	126.5	130.8	136.1	144.3	149.2	154.2	165.6	178.0	192.2	209.3
137.5°	129.0	130.8	135.0	140.7	148.9	153.5	158.1	169.5	181.2	194.4	209.3
140°	133.6	135.0	139.3	145.0	152.8	157.4	162.0	172.7	183.7	195.8	208.9
142.5°	138.2	139.3	143.2	148.9	156.4	160.6	164.9	175.2	185.8	196.9	208.9
145°	142.8	144.3	147.8	153.2	160.3	164.2	168.1	177.7	187.6	197.6	208.2
147.5°	147.8	148.9	152.4	157.4	163.5	167.0	170.6	179.8	188.7	197.9	207.2
150°	152.8	153.9	156.7	161.3	166.7	169.9	173.1	181.2	189.4	197.6	206.1
152.5°	157.8	158.1	161.0	164.9	169.9	172.7	175.5	182.6	189.8	196.9	204.3
155°	162.4	162.7	164.9	168.8	172.7	175.4	178.0	184.1	190.1	196.2	202.2
157.5°	166.3	166.7	168.4	172.0	175.2	177.5	179.8	185.1	190.1	194.7	200.1
160°	170.2	170.6	172.0	174.8	177.7	179.6	181.6	185.8	190.1	193.7	197.9
162.5°	174.1	173.8	175.2	177.3	179.8	181.2	182.6	186.2	189.8	192.6	196.2
165°	177.0	176.6	177.3	179.4	181.2	182.3	183.4	186.6	189.0	191.2	193.7
167.5°	179.4	179.1	179.8	181.2	182.6	183.4	184.1	186.6	188.7	189.8	191.5
170°	181.9	181.2	181.6	182.6	183.4	183.9	184.4	186.2	188.0	188.7	189.8
172.5°	183.4	183.0	182.6	183.7	184.1	184.4	184.8	185.8	186.9	187.3	187.6
175°	184.4	184.1	183.7	184.4	184.4	184.6	184.8	185.5	186.2	185.8	186.2
177.5°	185.1	184.4	184.1	184.8	184.8	184.8	184.8	185.1	185.8	185.1	184.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	659.1	660.0	661.3	667.5	668.4	670.1	669.3	669.3	669.7	668.8	669.3
5°	687.4	688.7	695.4	702.9	704.6	702.9	705.1	708.2	708.2	708.2	707.3
7.5°	713.9	718.8	726.3	737.4	739.6	741.8	745.8	743.1	744.0	748.0	746.7
10°	739.6	746.7	755.1	764.4	769.2	772.3	774.1	778.1	787.4	776.8	780.7
12.5°	763.9	774.1	782.9	793.1	796.7	800.6	802.0	805.5	805.5	805.1	808.2
15°	779.8	789.1	797.1	803.7	804.6	803.7	802.8	803.3	804.6	799.3	802.4
17.5°	783.4	784.3	786.9	784.3	784.7	775.4	770.1	768.8	756.4	756.8	767.0
20°	766.1	751.1	747.1	732.5	723.7	699.8	698.9	692.3	666.2	674.1	672.4
22.5°	718.8	693.1	659.1	642.3	633.9	608.7	589.2	575.5	566.2	556.9	552.9
25°	656.4	614.9	566.6	533.5	528.6	505.2	469.3	452.5	432.6	426.4	437.0
27.5°	575.9	522.0	467.6	416.7	407.4	386.2	368.0	356.1	333.1	331.8	332.6
30°	466.7	412.3	366.7	333.5	310.5	300.8	288.8	280.0	270.7	274.3	275.1
32.5°	383.5	331.8	289.3	271.6	261.0	254.8	244.6	238.9	234.9	233.6	233.1
35°	304.8	270.3	251.2	234.0	227.8	223.4	215.9	213.2	209.7	210.1	210.1
37.5°	261.0	232.2	218.1	209.2	203.5	201.3	196.4	193.7	191.5	190.6	192.0
40°	225.2	205.2	196.4	188.4	183.6	182.7	180.0	176.9	174.3	174.7	176.1
42.5°	199.1	187.6	176.9	170.7	167.2	165.9	163.7	161.5	161.5	160.1	159.7
45°	178.3	169.0	160.1	154.4	152.2	150.4	147.7	147.3	145.5	146.0	146.4
47.5°	159.7	152.2	145.5	139.8	137.6	137.1	134.5	132.7	132.7	132.3	131.8
50°	142.9	135.4	129.6	126.5	123.4	122.5	122.1	121.6	120.8	120.8	121.2
52.5°	129.2	121.6	117.2	114.6	112.8	111.9	111.9	111.5	111.5	111.5	111.0
55°	114.1	107.9	104.4	103.5	102.6	102.2	101.7	100.9	100.4	101.3	100.4
57.5°	100.0	97.8	94.7	93.8	91.6	91.6	90.2	89.4	88.5	89.4	89.4
60°	88.9	85.8	84.0	81.4	79.6	77.9	75.6	75.2	74.3	73.9	73.4
62.5°	77.4	74.8	70.3	66.4	63.7	61.9	61.0	60.6	60.6	60.2	60.2
65°	64.6	58.4	56.2	54.9	54.4	54.0	53.1	52.6	53.1	52.6	53.1
67.5°	50.4	49.5	48.2	47.3	46.9	46.4	46.4	46.0	46.0	46.0	46.0
70°	43.8	41.6	41.1	40.3	40.3	39.8	39.8	39.8	39.8	39.4	40.3
72.5°	36.3	34.9	34.5	34.1	34.1	34.1	33.6	33.6	33.6	33.2	33.6
75°	29.6	29.2	28.3	28.3	27.9	28.3	27.9	27.9	27.4	27.9	27.9
77.5°	23.9	23.4	23.0	23.0	22.6	22.6	22.6	22.6	22.6	22.6	23.0
80°	18.1	17.7	17.3	17.7	17.3	17.7	17.3	17.3	17.7	17.3	17.3
82.5°	13.3	12.8	12.8	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°	3.5	4.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.0
90°	11.7	11.4	10.7	11.4	11.6	11.7	11.7	11.7	11.7	11.7	11.7
92.5°	45.8	35.9	30.6	26.7	25.2	23.8	23.5	22.0	22.4	21.7	22.4
95°	121.9	93.1	71.4	56.5	52.6	48.7	44.1	41.2	40.2	40.5	40.2
97.5°	228.8	190.5	152.1	116.2	105.6	94.9	81.0	73.9	70.0	67.9	70.0
100°	331.9	324.4	280.4	231.7	210.2	188.7	159.2	143.9	133.6	127.2	133.6
102.5°	370.3	412.2	410.8	378.4	355.3	332.2	299.6	270.8	257.3	248.0	257.3
105°	357.8	431.7	471.9	476.5	470.6	464.8	442.8	420.7	405.4	400.5	405.4
107.5°	331.5	410.8	470.5	505.3	512.4	519.5	519.2	516.0	511.3	503.2	511.3
110°	307.0	382.0	445.6	491.1	505.6	520.2	535.5	542.3	545.5	545.1	545.5

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	290.0	355.7	416.1	465.5	482.8	500.0	522.7	535.2	541.9	544.4	541.9
115°	276.5	335.1	389.8	436.4	454.7	473.0	498.2	514.5	523.8	527.0	523.8
117.5°	267.2	318.0	367.1	410.4	427.8	445.2	471.2	488.6	498.2	500.7	498.2
120°	260.1	306.0	350.0	387.7	403.8	420.0	444.9	461.6	471.9	475.5	471.9
122.5°	254.1	296.4	335.8	371.0	385.2	399.4	421.1	437.4	446.3	449.2	446.3
125°	248.4	287.1	323.7	355.0	368.3	381.6	402.3	415.8	424.6	427.5	424.6
127.5°	243.1	277.9	311.6	341.5	354.0	366.4	384.5	397.3	405.1	407.2	405.1
130°	237.7	269.0	299.6	327.6	339.4	351.1	368.5	380.6	387.7	390.5	387.7
132.5°	233.5	260.5	288.2	313.4	324.2	335.1	352.1	364.2	370.6	373.1	370.6
135°	229.6	252.7	276.1	299.6	309.6	319.5	334.7	346.5	352.9	354.3	352.9
137.5°	226.7	246.3	266.5	285.7	294.6	303.5	318.0	328.3	334.0	336.2	334.0
140°	224.2	240.2	257.3	273.6	281.5	289.3	300.6	309.9	315.2	317.3	315.2
142.5°	221.7	235.2	249.1	262.6	268.8	275.0	285.7	293.9	298.5	298.5	298.5
145°	219.6	230.6	242.3	253.4	258.6	263.7	272.2	278.2	281.8	282.9	281.8
147.5°	217.5	227.1	236.7	245.5	249.4	253.4	260.8	265.8	268.3	269.0	268.3
150°	214.6	223.2	231.0	238.4	241.6	244.8	250.2	254.4	256.6	256.9	256.6
152.5°	212.1	219.2	226.4	232.4	235.0	237.7	241.6	245.2	246.6	246.6	246.6
155°	208.9	215.7	221.4	226.7	228.6	230.6	234.5	237.0	238.4	237.7	238.4
157.5°	206.1	211.4	216.4	221.0	222.6	224.2	227.1	229.2	229.9	229.9	229.9
160°	202.9	207.5	211.4	215.3	216.6	217.8	220.3	222.1	222.4	222.4	222.4
162.5°	200.1	203.6	206.8	210.0	210.9	211.8	214.3	215.3	215.7	215.3	215.7
165°	196.9	199.7	202.2	204.7	205.4	206.1	207.5	208.9	208.9	208.6	208.9
167.5°	193.7	195.8	197.9	199.7	200.4	201.1	201.8	202.5	202.5	202.2	202.5
170°	191.2	193.0	194.0	195.4	195.8	196.2	196.5	197.6	197.2	196.5	197.2
172.5°	188.7	189.8	190.5	191.5	191.7	191.9	192.2	192.6	192.2	191.9	192.2
175°	186.6	187.6	188.0	188.3	188.5	188.7	188.7	189.0	188.7	188.0	188.7
177.5°	185.1	185.8	185.8	186.2	186.2	186.2	186.2	186.2	185.8	185.1	185.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	671.0	667.9	667.0	667.9	667.0	667.5	664.4	652.9	656.0	651.1	653.8
5°	709.1	706.4	700.7	699.8	698.9	698.0	693.6	683.4	679.4	672.8	672.4
7.5°	745.3	745.3	740.9	737.8	733.8	730.7	725.0	710.0	703.8	695.8	691.4
10°	781.2	769.7	774.5	771.4	761.7	759.9	749.3	740.5	728.5	720.6	713.5
12.5°	806.8	803.3	798.9	796.2	793.6	787.8	780.7	758.2	752.0	736.1	728.1
15°	805.9	803.7	805.1	805.1	804.2	802.8	797.1	780.7	770.1	754.6	740.9
17.5°	762.6	768.3	774.1	778.1	786.9	790.9	796.2	786.5	779.8	766.6	752.0
20°	687.0	701.1	717.9	721.5	729.4	752.9	763.5	771.9	774.5	770.1	758.2
22.5°	581.7	593.6	634.3	633.4	644.9	672.8	703.8	729.0	748.9	759.9	755.5
25°	455.6	472.4	494.1	510.5	548.1	589.6	628.1	668.4	702.9	733.4	740.9
27.5°	344.6	366.7	384.0	405.6	424.6	473.7	523.3	586.1	626.4	684.3	714.4
30°	278.7	288.8	306.1	316.3	325.6	363.2	419.3	481.3	552.0	618.8	670.6
32.5°	238.0	245.1	257.9	262.3	272.0	297.3	332.6	389.3	462.2	543.2	611.3
35°	213.7	221.2	223.8	227.8	235.8	251.7	276.0	317.2	383.1	462.2	543.6
37.5°	192.9	196.8	204.4	207.0	209.7	221.6	238.0	266.7	310.5	375.5	465.8
40°	178.3	180.5	184.5	186.7	188.4	196.8	211.4	230.9	263.2	312.7	395.9
42.5°	162.8	165.4	168.1	170.7	173.0	179.6	188.4	207.0	228.7	266.3	326.4
45°	147.7	149.5	152.6	154.4	157.5	162.8	170.7	183.6	203.0	226.9	275.6
47.5°	134.0	136.2	137.6	139.8	142.0	147.7	155.3	163.7	179.6	203.0	238.4
50°	121.6	124.3	126.1	126.5	128.3	133.6	139.8	149.1	159.2	177.4	208.3
52.5°	112.8	113.2	114.6	116.3	115.9	119.0	124.7	131.8	142.4	157.0	179.6
55°	102.6	104.0	104.8	105.3	105.3	107.9	111.0	117.7	126.1	138.0	157.0
57.5°	89.8	91.1	93.8	94.7	96.0	97.3	98.6	103.1	110.1	121.6	137.1
60°	76.5	77.4	80.1	81.8	82.7	86.3	88.0	91.6	95.5	104.0	118.5
62.5°	61.5	62.4	63.7	65.5	67.2	72.5	77.0	80.5	83.6	89.4	101.3
65°	53.5	54.0	54.9	55.3	55.7	57.9	61.9	66.8	72.5	77.0	84.0
67.5°	46.4	46.9	47.3	48.2	48.7	49.1	50.9	52.2	57.9	64.1	69.4
70°	39.8	40.7	41.1	41.1	41.6	42.5	43.3	45.1	46.9	50.0	56.6
72.5°	33.6	34.1	34.9	34.9	34.9	35.8	36.7	37.6	38.5	40.3	42.9
75°	27.9	28.8	28.8	28.8	29.2	29.2	30.1	31.0	31.8	33.2	34.1
77.5°	23.0	23.0	23.0	23.0	23.4	23.4	23.9	24.8	25.2	25.7	26.5
80°	17.3	17.7	17.7	17.7	18.1	18.1	18.1	19.0	19.5	19.5	20.3
82.5°	12.8	12.8	12.8	13.3	12.8	13.3	13.3	13.7	13.3	13.7	14.2
85°	8.0	8.0	8.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.8
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°	11.7	11.7	11.7	11.6	11.4	10.7	11.4	11.7	12.1	11.7	9.6
92.5°	22.0	23.5	23.8	25.2	26.7	30.6	35.9	45.8	54.7	54.0	41.9
95°	41.2	44.1	48.7	52.6	56.5	71.4	93.1	121.9	139.3	123.3	82.1
97.5°	73.9	81.0	94.9	105.6	116.2	152.1	190.5	228.8	227.1	175.5	109.1
100°	143.9	159.2	188.7	210.2	231.7	280.4	324.4	331.9	280.7	193.3	116.6
102.5°	270.8	299.6	332.2	355.3	378.4	410.8	412.2	370.3	282.5	186.6	116.9
105°	420.7	442.8	464.8	470.6	476.5	471.9	431.7	357.8	263.3	177.3	118.7
107.5°	516.0	519.2	519.5	512.4	505.3	470.5	410.8	331.5	245.5	172.3	122.6
110°	542.3	535.5	520.2	505.6	491.1	445.6	382.0	307.0	233.5	170.9	127.6

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	535.2	522.7	500.0	482.8	465.5	416.1	355.7	290.0	225.6	171.3	132.9
115°	514.5	498.2	473.0	454.7	436.4	389.8	335.1	276.5	220.3	172.7	138.2
117.5°	488.6	471.2	445.2	427.8	410.4	367.1	318.0	267.2	217.5	174.8	143.9
120°	461.6	444.9	420.0	403.8	387.7	350.0	306.0	260.1	215.0	177.0	149.6
122.5°	437.4	421.1	399.4	385.2	371.0	335.8	296.4	254.1	213.6	179.4	154.6
125°	415.8	402.3	381.6	368.3	355.0	323.7	287.1	248.4	211.8	181.9	159.9
127.5°	397.3	384.5	366.4	354.0	341.5	311.6	277.9	243.1	210.7	184.4	164.9
130°	380.6	368.5	351.1	339.4	327.6	299.6	269.0	237.7	210.0	187.3	169.5
132.5°	364.2	352.1	335.1	324.2	313.4	288.2	260.5	233.5	209.7	190.1	174.1
135°	346.5	334.7	319.5	309.6	299.6	276.1	252.7	229.6	209.3	192.2	178.0
137.5°	328.3	318.0	303.5	294.6	285.7	266.5	246.3	226.7	209.3	194.4	181.2
140°	309.9	300.6	289.3	281.5	273.6	257.3	240.2	224.2	208.9	195.8	183.7
142.5°	293.9	285.7	275.0	268.8	262.6	249.1	235.2	221.7	208.9	196.9	185.8
145°	278.2	272.2	263.7	258.6	253.4	242.3	230.6	219.6	208.2	197.6	187.6
147.5°	265.8	260.8	253.4	249.4	245.5	236.7	227.1	217.5	207.2	197.9	188.7
150°	254.4	250.2	244.8	241.6	238.4	231.0	223.2	214.6	206.1	197.6	189.4
152.5°	245.2	241.6	237.7	235.0	232.4	226.4	219.2	212.1	204.3	196.9	189.8
155°	237.0	234.5	230.6	228.6	226.7	221.4	215.7	208.9	202.2	196.2	190.1
157.5°	229.2	227.1	224.2	222.6	221.0	216.4	211.4	206.1	200.1	194.7	190.1
160°	222.1	220.3	217.8	216.6	215.3	211.4	207.5	202.9	197.9	193.7	190.1
162.5°	215.3	214.3	211.8	210.9	210.0	206.8	203.6	200.1	196.2	192.6	189.8
165°	208.9	207.5	206.1	205.4	204.7	202.2	199.7	196.9	193.7	191.2	189.0
167.5°	202.5	201.8	201.1	200.4	199.7	197.9	195.8	193.7	191.5	189.8	188.7
170°	197.6	196.5	196.2	195.8	195.4	194.0	193.0	191.2	189.8	188.7	188.0
172.5°	192.6	192.2	191.9	191.7	191.5	190.5	189.8	188.7	187.6	187.3	186.9
175°	189.0	188.7	188.7	188.5	188.3	188.0	187.6	186.6	186.2	185.8	186.2
177.5°	186.2	186.2	186.2	186.2	186.2	185.8	185.8	185.1	184.8	185.1	185.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	649.8	647.6	647.6	646.3	646.3	639.2	639.2	641.4	638.7	635.6	631.2
5°	666.6	661.7	660.4	658.6	652.9	644.0	640.5	639.2	633.9	627.2	619.7
7.5°	682.5	674.6	670.6	666.6	659.1	646.7	639.6	634.8	626.8	616.6	606.9
10°	698.0	687.8	677.7	672.8	662.2	646.7	636.5	628.6	617.1	603.4	589.6
12.5°	712.2	690.9	689.2	679.4	664.0	646.3	630.8	619.3	604.7	588.8	572.8
15°	724.6	702.9	692.3	683.4	663.1	641.0	624.6	610.4	591.0	572.8	553.4
17.5°	730.7	707.3	700.2	685.6	664.8	636.1	614.0	596.7	575.5	553.8	531.7
20°	736.9	709.5	698.0	687.8	659.5	626.8	602.0	582.1	558.7	533.0	508.7
22.5°	740.0	709.5	695.8	681.6	654.2	616.6	587.4	564.0	536.6	510.5	481.3
25°	734.7	706.9	690.5	675.9	644.9	604.2	570.6	544.1	514.9	485.2	455.6
27.5°	721.5	700.7	681.6	666.6	632.1	588.3	552.9	522.8	492.8	459.6	429.5
30°	696.7	687.4	672.4	655.5	618.0	574.2	532.1	501.2	468.0	434.8	403.4
32.5°	658.2	666.2	656.4	641.8	601.1	554.7	510.0	478.6	442.3	406.5	377.8
35°	611.3	639.6	634.3	624.1	583.4	533.9	489.2	451.2	414.9	378.6	349.9
37.5°	560.0	602.9	607.3	601.1	563.1	512.7	463.6	426.4	389.3	352.5	323.4
40°	489.7	555.6	569.7	572.4	541.9	487.0	435.7	399.4	362.7	326.9	291.5
42.5°	425.1	508.2	525.9	537.0	514.9	461.8	410.0	369.8	333.5	301.2	265.8
45°	364.5	451.2	479.9	494.1	484.4	433.1	379.5	341.9	308.8	279.1	245.1
47.5°	302.1	389.3	429.5	452.1	452.1	403.9	350.3	313.2	281.3	256.1	226.0
50°	260.5	333.1	374.7	404.3	412.3	374.2	323.8	287.5	257.4	230.0	207.0
52.5°	222.1	287.1	321.6	352.5	375.5	342.4	294.2	261.4	231.8	206.1	188.0
55°	192.0	240.6	272.0	306.1	331.8	310.1	265.4	233.6	207.9	186.7	171.2
57.5°	163.2	205.7	231.3	261.4	288.8	272.5	236.7	209.2	186.7	168.1	154.4
60°	138.9	173.4	193.3	216.7	250.8	239.3	209.7	184.5	166.3	149.5	138.0
62.5°	118.1	145.5	162.3	179.1	210.1	204.8	181.8	162.3	146.9	132.7	123.0
65°	96.9	119.4	132.7	147.3	172.1	174.3	155.7	142.0	127.8	115.5	106.6
67.5°	78.3	96.0	107.9	120.3	140.2	146.4	133.6	122.1	110.1	100.0	92.0
70°	63.3	75.6	84.5	94.2	110.6	118.1	111.5	103.5	93.8	85.4	78.3
72.5°	50.0	57.9	63.3	70.8	84.0	91.6	91.1	84.0	77.0	71.2	65.5
75°	36.7	42.9	47.3	52.2	62.8	69.9	71.7	68.6	61.5	57.1	52.6
77.5°	27.9	31.4	33.6	37.2	44.7	50.9	53.5	52.6	47.8	44.2	41.1
80°	21.2	22.1	23.0	24.3	30.5	36.3	38.0	37.6	34.9	33.6	30.1
82.5°	15.0	15.5	15.9	16.4	18.6	23.4	25.2	26.1	23.9	22.6	19.5
85°	8.8	9.3	9.3	10.2	10.6	11.9	15.0	15.0	14.6	12.8	12.4
87.5°	4.4	4.4	4.0	4.0	4.4	4.9	5.8	6.6	5.8	5.3	4.9
90°	7.1	5.3	4.8	4.3	3.6	2.8	1.4	0.4	1.4	2.8	3.6
92.5°	28.4	18.8	16.8	14.9	12.1	10.3	7.5	5.3	7.5	10.3	12.1
95°	51.2	34.8	30.6	26.3	20.6	17.4	13.9	12.4	13.9	17.4	20.6
97.5°	66.1	45.1	40.3	35.5	29.1	24.5	20.6	18.5	20.6	24.5	29.1
100°	73.2	54.4	49.4	44.4	37.3	31.6	28.4	27.4	28.4	31.6	37.3
102.5°	79.6	62.5	57.6	52.6	45.1	39.4	36.2	35.5	36.2	39.4	45.1
105°	87.1	70.4	65.4	60.4	52.6	47.3	44.8	43.4	44.8	47.3	52.6
107.5°	94.5	78.2	73.2	68.2	60.4	55.4	52.9	51.9	52.9	55.4	60.4
110°	102.0	86.3	81.2	76.0	68.6	64.0	61.8	60.4	61.8	64.0	68.6

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	109.1	94.2	88.8	83.5	76.4	72.1	69.6	68.2	69.6	72.1	76.4
115°	116.6	101.3	96.5	91.7	84.6	80.3	78.2	76.4	78.2	80.3	84.6
117.5°	123.3	109.1	104.1	99.1	92.4	88.5	86.3	84.9	86.3	88.5	92.4
120°	130.4	116.6	111.6	106.6	99.5	96.3	94.2	92.7	94.2	96.3	99.5
122.5°	137.2	124.4	119.2	114.1	107.0	103.4	101.3	100.2	101.3	103.4	107.0
125°	143.9	131.1	126.2	121.2	114.1	109.8	107.7	106.6	107.7	109.8	114.1
127.5°	150.3	137.9	132.8	127.6	120.8	116.2	113.4	111.9	113.4	116.2	120.8
130°	156.0	143.6	138.6	133.6	126.5	121.5	118.0	116.6	118.0	121.5	126.5
132.5°	161.0	149.2	144.2	139.3	131.8	126.5	122.6	120.8	122.6	126.5	131.8
135°	165.6	154.2	149.2	144.3	136.1	130.8	126.5	125.1	126.5	130.8	136.1
137.5°	169.5	158.1	153.5	148.9	140.7	135.0	130.8	129.0	130.8	135.0	140.7
140°	172.7	162.0	157.4	152.8	145.0	139.3	135.0	133.6	135.0	139.3	145.0
142.5°	175.2	164.9	160.6	156.4	148.9	143.2	139.3	138.2	139.3	143.2	148.9
145°	177.7	168.1	164.2	160.3	153.2	147.8	144.3	142.8	144.3	147.8	153.2
147.5°	179.8	170.6	167.0	163.5	157.4	152.4	148.9	147.8	148.9	152.4	157.4
150°	181.2	173.1	169.9	166.7	161.3	156.7	153.9	152.8	153.9	156.7	161.3
152.5°	182.6	175.5	172.7	169.9	164.9	161.0	158.1	157.8	158.1	161.0	164.9
155°	184.1	178.0	175.4	172.7	168.8	164.9	162.7	162.4	162.7	164.9	168.8
157.5°	185.1	179.8	177.5	175.2	172.0	168.4	166.7	166.3	166.7	168.4	172.0
160°	185.8	181.6	179.6	177.7	174.8	172.0	170.6	170.2	170.6	172.0	174.8
162.5°	186.2	182.6	181.2	179.8	177.3	175.2	173.8	174.1	173.8	175.2	177.3
165°	186.6	183.4	182.3	181.2	179.4	177.3	176.6	177.0	176.6	177.3	179.4
167.5°	186.6	184.1	183.4	182.6	181.2	179.8	179.1	179.4	179.1	179.8	181.2
170°	186.2	184.4	183.9	183.4	182.6	181.6	181.2	181.9	181.2	181.6	182.6
172.5°	185.8	184.8	184.4	184.1	183.7	182.6	183.0	183.4	183.0	182.6	183.7
175°	185.5	184.8	184.6	184.4	184.4	183.7	184.1	184.4	184.1	183.7	184.4
177.5°	185.1	184.8	184.8	184.8	184.8	184.1	184.4	185.1	184.4	184.1	184.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	629.5	629.9	631.2	627.2	621.0	618.4	610.4	609.1	607.8	607.8	609.1
5°	615.3	613.5	614.0	606.4	597.6	592.3	581.2	583.0	577.3	573.7	574.6
7.5°	599.8	594.9	594.5	584.8	573.7	564.0	552.5	549.8	544.5	538.3	535.7
10°	580.4	576.8	570.2	559.1	545.0	537.0	521.5	512.2	510.9	501.6	498.1
12.5°	560.4	554.3	547.6	532.1	516.2	503.4	491.9	481.7	474.6	466.7	461.4
15°	537.4	529.9	522.4	506.0	487.5	474.6	457.4	442.3	421.6	405.2	395.9
17.5°	512.2	503.8	493.7	475.5	457.4	439.7	407.8	390.1	375.5	365.8	360.1
20°	486.1	476.8	466.7	448.5	417.1	386.2	368.5	354.8	345.9	336.2	329.1
22.5°	458.7	449.0	437.9	409.6	376.4	354.8	341.0	328.2	315.4	310.1	306.5
25°	433.1	424.2	410.0	371.6	345.5	325.6	310.1	301.7	295.0	288.0	281.3
27.5°	406.5	390.1	370.2	337.9	321.6	301.2	290.2	284.0	272.5	267.6	264.5
30°	374.7	356.5	337.5	314.5	295.5	281.3	271.2	261.0	254.3	249.5	244.2
32.5°	342.4	325.1	313.2	289.3	275.1	260.5	250.8	244.6	234.9	231.8	229.6
35°	314.5	299.9	289.3	269.8	256.6	243.3	236.2	226.9	220.7	215.0	211.4
37.5°	287.1	279.1	268.1	251.7	237.5	226.9	217.2	214.1	205.7	202.6	199.1
40°	268.1	256.1	246.8	232.7	220.7	209.2	203.0	196.0	190.2	185.3	184.0
42.5°	245.1	236.2	230.9	215.4	203.0	196.4	188.9	180.9	176.5	172.5	167.6
45°	227.8	219.8	212.3	199.9	188.9	180.5	173.8	168.5	161.0	159.2	151.7
47.5°	209.7	201.7	196.0	183.6	173.4	165.4	160.6	153.5	147.3	143.3	139.8
50°	191.5	184.9	179.6	169.0	160.1	151.7	145.1	138.0	135.4	128.7	126.5
52.5°	174.3	169.9	164.1	153.9	145.1	138.0	130.9	125.2	121.2	117.7	115.0
55°	159.7	152.6	150.0	138.9	131.4	123.9	117.7	114.1	109.3	107.0	104.8
57.5°	143.3	139.3	134.9	126.5	118.1	111.0	106.6	101.3	98.6	96.0	94.2
60°	129.2	123.4	119.9	112.8	105.3	98.6	94.7	90.7	87.1	84.9	81.4
62.5°	112.8	108.4	106.2	98.6	92.4	86.3	82.7	78.7	76.1	72.1	67.7
65°	98.6	95.1	92.4	86.3	80.5	74.8	71.2	66.4	62.8	60.6	60.2
67.5°	86.3	83.6	79.6	73.9	68.1	63.7	59.7	55.7	55.3	54.4	54.4
70°	72.5	69.9	67.7	61.5	56.6	51.8	50.9	49.5	48.2	47.8	46.9
72.5°	60.6	58.4	55.7	50.4	45.6	44.2	43.3	42.5	41.1	40.7	40.3
75°	49.1	46.0	44.2	39.4	38.0	37.2	36.3	34.9	34.1	33.6	32.7
77.5°	37.6	34.5	34.5	31.8	31.0	29.6	28.8	27.9	27.4	26.5	26.5
80°	26.5	26.5	25.7	24.3	23.0	22.6	21.2	20.8	20.3	20.8	19.9
82.5°	19.5	17.7	17.7	16.8	15.9	15.5	14.6	14.6	14.2	14.2	14.2
85°	11.1	11.1	10.6	9.7	9.3	9.3	8.8	8.8	8.4	8.4	8.0
87.5°	4.4	4.0	4.4	4.0	4.0	3.5	3.5	3.5	3.1	3.5	3.1
90°	4.3	4.8	5.3	7.1	9.6	11.7	12.1	11.7	11.4	10.7	11.4
92.5°	14.9	16.8	18.8	28.4	41.9	54.0	54.7	45.8	35.9	30.6	26.7
95°	26.3	30.6	34.8	51.2	82.1	123.3	139.3	121.9	93.1	71.4	56.5
97.5°	35.5	40.3	45.1	66.1	109.1	175.5	227.1	228.8	190.5	152.1	116.2
100°	44.4	49.4	54.4	73.2	116.6	193.3	280.7	331.9	324.4	280.4	231.7
102.5°	52.6	57.6	62.5	79.6	116.9	186.6	282.5	370.3	412.2	410.8	378.4
105°	60.4	65.4	70.4	87.1	118.7	177.3	263.3	357.8	431.7	471.9	476.5
107.5°	68.2	73.2	78.2	94.5	122.6	172.3	245.5	331.5	410.8	470.5	505.3
110°	76.0	81.2	86.3	102.0	127.6	170.9	233.5	307.0	382.0	445.6	491.1

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	83.5	88.8	94.2	109.1	132.9	171.3	225.6	290.0	355.7	416.1	465.5
115°	91.7	96.5	101.3	116.6	138.2	172.7	220.3	276.5	335.1	389.8	436.4
117.5°	99.1	104.1	109.1	123.3	143.9	174.8	217.5	267.2	318.0	367.1	410.4
120°	106.6	111.6	116.6	130.4	149.6	177.0	215.0	260.1	306.0	350.0	387.7
122.5°	114.1	119.2	124.4	137.2	154.6	179.4	213.6	254.1	296.4	335.8	371.0
125°	121.2	126.2	131.1	143.9	159.9	181.9	211.8	248.4	287.1	323.7	355.0
127.5°	127.6	132.8	137.9	150.3	164.9	184.4	210.7	243.1	277.9	311.6	341.5
130°	133.6	138.6	143.6	156.0	169.5	187.3	210.0	237.7	269.0	299.6	327.6
132.5°	139.3	144.2	149.2	161.0	174.1	190.1	209.7	233.5	260.5	288.2	313.4
135°	144.3	149.2	154.2	165.6	178.0	192.2	209.3	229.6	252.7	276.1	299.6
137.5°	148.9	153.5	158.1	169.5	181.2	194.4	209.3	226.7	246.3	266.5	285.7
140°	152.8	157.4	162.0	172.7	183.7	195.8	208.9	224.2	240.2	257.3	273.6
142.5°	156.4	160.6	164.9	175.2	185.8	196.9	208.9	221.7	235.2	249.1	262.6
145°	160.3	164.2	168.1	177.7	187.6	197.6	208.2	219.6	230.6	242.3	253.4
147.5°	163.5	167.0	170.6	179.8	188.7	197.9	207.2	217.5	227.1	236.7	245.5
150°	166.7	169.9	173.1	181.2	189.4	197.6	206.1	214.6	223.2	231.0	238.4
152.5°	169.9	172.7	175.5	182.6	189.8	196.9	204.3	212.1	219.2	226.4	232.4
155°	172.7	175.4	178.0	184.1	190.1	196.2	202.2	208.9	215.7	221.4	226.7
157.5°	175.2	177.5	179.8	185.1	190.1	194.7	200.1	206.1	211.4	216.4	221.0
160°	177.7	179.6	181.6	185.8	190.1	193.7	197.9	202.9	207.5	211.4	215.3
162.5°	179.8	181.2	182.6	186.2	189.8	192.6	196.2	200.1	203.6	206.8	210.0
165°	181.2	182.3	183.4	186.6	189.0	191.2	193.7	196.9	199.7	202.2	204.7
167.5°	182.6	183.4	184.1	186.6	188.7	189.8	191.5	193.7	195.8	197.9	199.7
170°	183.4	183.9	184.4	186.2	188.0	188.7	189.8	191.2	193.0	194.0	195.4
172.5°	184.1	184.4	184.8	185.8	186.9	187.3	187.6	188.7	189.8	190.5	191.5
175°	184.4	184.6	184.8	185.5	186.2	185.8	186.2	186.6	187.6	188.0	188.3
177.5°	184.8	184.8	184.8	185.1	185.8	185.1	184.8	185.1	185.8	185.8	186.2
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	609.1	608.2	605.6	606.4	605.1	605.1	604.2	604.2	604.2	606.4	605.1
5°	575.9	572.8	569.7	568.4	567.1	565.8	565.8	565.3	569.3	568.4	571.9
7.5°	534.8	533.9	527.7	527.7	525.5	524.6	526.8	527.3	527.7	528.6	530.8
10°	498.1	495.9	487.0	487.9	486.6	484.8	486.1	485.2	488.3	489.2	488.3
12.5°	454.7	450.7	441.0	436.1	430.8	426.9	431.7	428.2	440.6	444.1	453.8
15°	397.2	389.7	383.1	383.1	378.2	374.7	376.9	380.9	383.5	387.5	389.3
17.5°	358.7	355.6	350.3	347.2	345.9	344.6	344.6	346.4	352.1	351.7	355.2
20°	326.0	324.2	321.6	317.6	316.3	315.4	315.4	315.4	319.4	322.9	325.1
22.5°	303.4	302.1	300.3	295.0	292.4	291.5	293.7	295.0	298.1	300.8	303.0
25°	280.9	277.8	274.7	272.9	271.6	271.6	272.5	272.9	274.3	275.6	278.2
27.5°	262.3	260.1	255.7	250.8	250.8	249.5	250.4	251.2	254.3	258.8	261.0
30°	241.5	241.1	239.3	237.5	235.8	234.9	236.7	238.0	238.4	240.6	240.6
32.5°	226.5	223.4	220.3	218.5	217.6	217.2	217.6	219.4	219.4	222.1	225.2
35°	211.4	209.7	206.6	203.5	202.6	200.4	202.1	203.9	207.0	208.3	209.7
37.5°	195.1	192.9	191.5	190.6	188.9	189.3	188.0	190.6	193.3	192.9	193.7
40°	182.7	178.7	174.7	174.3	173.8	173.4	173.4	173.8	175.6	177.4	180.0
42.5°	166.8	165.4	161.9	158.4	157.5	156.6	155.7	157.5	161.0	164.1	165.4
45°	150.4	148.6	147.7	145.1	143.3	142.9	142.0	144.2	147.3	148.6	149.5
47.5°	135.4	134.9	132.3	132.7	131.4	131.8	131.4	132.7	132.7	134.0	134.9
50°	125.2	123.9	122.5	121.6	120.3	120.3	119.9	120.3	122.1	123.9	123.4
52.5°	115.0	112.8	112.4	111.9	111.0	111.9	110.6	111.0	112.8	113.7	113.2
55°	103.1	102.6	101.7	100.9	100.4	100.0	100.0	100.0	101.7	103.1	103.5
57.5°	93.8	91.6	89.8	89.8	88.0	87.6	88.5	88.9	90.2	91.1	92.0
60°	80.9	80.1	77.4	76.1	73.4	73.0	73.0	74.8	77.0	80.1	80.9
62.5°	67.2	65.9	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.9	65.9
65°	59.7	60.2	59.7	59.3	59.7	59.7	59.3	59.3	59.3	59.7	60.2
67.5°	53.5	53.1	53.5	53.1	52.6	52.6	52.2	52.6	53.1	53.5	53.5
70°	46.4	46.4	46.0	46.4	46.0	45.6	45.1	45.1	46.0	46.4	46.4
72.5°	39.8	39.8	39.4	39.4	38.5	38.5	38.9	38.5	38.5	39.8	39.8
75°	33.2	32.7	32.3	32.3	31.8	31.8	31.8	31.4	32.3	32.3	32.7
77.5°	26.1	26.1	26.1	25.7	25.7	25.2	25.2	25.7	25.7	25.7	26.1
80°	19.9	19.9	19.9	19.5	19.0	19.0	19.0	19.0	19.0	19.5	19.0
82.5°	13.7	13.7	13.7	13.7	13.7	13.3	13.3	13.3	13.7	13.7	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°	3.5	3.1	2.7	2.7	3.1	2.7	2.7	2.7	3.1	2.7	2.7
90°	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6
92.5°	25.2	23.8	23.5	22.0	22.4	21.7	22.4	22.0	23.5	23.8	25.2
95°	52.6	48.7	44.1	41.2	40.2	40.5	40.2	41.2	44.1	48.7	52.6
97.5°	105.6	94.9	81.0	73.9	70.0	67.9	70.0	73.9	81.0	94.9	105.6
100°	210.2	188.7	159.2	143.9	133.6	127.2	133.6	143.9	159.2	188.7	210.2
102.5°	355.3	332.2	299.6	270.8	257.3	248.0	257.3	270.8	299.6	332.2	355.3
105°	470.6	464.8	442.8	420.7	405.4	400.5	405.4	420.7	442.8	464.8	470.6
107.5°	512.4	519.5	519.2	516.0	511.3	503.2	511.3	516.0	519.2	519.5	512.4
110°	505.6	520.2	535.5	542.3	545.5	545.1	545.5	542.3	535.5	520.2	505.6

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	482.8	500.0	522.7	535.2	541.9	544.4	541.9	535.2	522.7	500.0	482.8
115°	454.7	473.0	498.2	514.5	523.8	527.0	523.8	514.5	498.2	473.0	454.7
117.5°	427.8	445.2	471.2	488.6	498.2	500.7	498.2	488.6	471.2	445.2	427.8
120°	403.8	420.0	444.9	461.6	471.9	475.5	471.9	461.6	444.9	420.0	403.8
122.5°	385.2	399.4	421.1	437.4	446.3	449.2	446.3	437.4	421.1	399.4	385.2
125°	368.3	381.6	402.3	415.8	424.6	427.5	424.6	415.8	402.3	381.6	368.3
127.5°	354.0	366.4	384.5	397.3	405.1	407.2	405.1	397.3	384.5	366.4	354.0
130°	339.4	351.1	368.5	380.6	387.7	390.5	387.7	380.6	368.5	351.1	339.4
132.5°	324.2	335.1	352.1	364.2	370.6	373.1	370.6	364.2	352.1	335.1	324.2
135°	309.6	319.5	334.7	346.5	352.9	354.3	352.9	346.5	334.7	319.5	309.6
137.5°	294.6	303.5	318.0	328.3	334.0	336.2	334.0	328.3	318.0	303.5	294.6
140°	281.5	289.3	300.6	309.9	315.2	317.3	315.2	309.9	300.6	289.3	281.5
142.5°	268.8	275.0	285.7	293.9	298.5	298.5	298.5	293.9	285.7	275.0	268.8
145°	258.6	263.7	272.2	278.2	281.8	282.9	281.8	278.2	272.2	263.7	258.6
147.5°	249.4	253.4	260.8	265.8	268.3	269.0	268.3	265.8	260.8	253.4	249.4
150°	241.6	244.8	250.2	254.4	256.6	256.9	256.6	254.4	250.2	244.8	241.6
152.5°	235.0	237.7	241.6	245.2	246.6	246.6	246.6	245.2	241.6	237.7	235.0
155°	228.6	230.6	234.5	237.0	238.4	237.7	238.4	237.0	234.5	230.6	228.6
157.5°	222.6	224.2	227.1	229.2	229.9	229.9	229.9	229.2	227.1	224.2	222.6
160°	216.6	217.8	220.3	222.1	222.4	222.4	222.4	222.1	220.3	217.8	216.6
162.5°	210.9	211.8	214.3	215.3	215.7	215.3	215.7	215.3	214.3	211.8	210.9
165°	205.4	206.1	207.5	208.9	208.9	208.6	208.9	208.9	207.5	206.1	205.4
167.5°	200.4	201.1	201.8	202.5	202.5	202.2	202.5	202.5	201.8	201.1	200.4
170°	195.8	196.2	196.5	197.6	197.2	196.5	197.2	197.6	196.5	196.2	195.8
172.5°	191.7	191.9	192.2	192.6	192.2	191.9	192.2	192.6	192.2	191.9	191.7
175°	188.5	188.7	188.7	189.0	188.7	188.0	188.7	189.0	188.7	188.7	188.5
177.5°	186.2	186.2	186.2	186.2	185.8	185.1	185.8	186.2	186.2	186.2	186.2
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
2.5°	606.4	608.7	607.8	602.9	607.8	609.1	611.8	614.4	616.2	618.8	621.0
5°	568.4	572.8	575.5	572.8	581.7	583.0	589.2	592.7	598.0	602.5	606.0
7.5°	532.6	536.1	541.4	542.3	547.6	553.8	562.7	571.5	579.9	584.3	588.3
10°	494.1	500.3	508.2	506.5	514.4	524.2	533.5	547.6	554.7	562.7	569.7
12.5°	455.6	459.6	470.2	473.7	485.2	492.8	505.6	514.4	532.1	541.4	547.6
15°	388.4	404.7	418.0	433.9	449.0	463.1	474.6	490.6	506.0	513.1	523.3
17.5°	357.9	365.4	373.3	381.3	400.8	426.0	446.3	463.6	476.8	486.1	498.1
20°	326.0	333.5	342.4	349.9	361.8	380.0	405.2	434.8	450.7	460.5	472.0
22.5°	303.4	310.5	316.3	322.9	332.2	345.5	364.5	401.2	422.4	434.4	444.6
25°	279.1	288.0	294.2	299.0	306.5	321.1	336.6	357.4	395.5	404.7	418.9
27.5°	262.3	265.0	272.0	279.6	287.1	295.0	311.0	328.7	354.3	374.7	391.9
30°	242.4	249.0	255.7	258.8	265.4	276.9	286.6	305.7	325.6	341.5	362.3
32.5°	227.4	231.3	235.8	243.3	249.5	257.4	267.2	283.1	299.9	310.1	326.0
35°	210.6	213.2	222.5	225.6	231.8	239.7	249.5	261.9	280.0	288.0	299.5
37.5°	194.6	200.8	203.5	210.6	216.3	224.3	231.3	245.5	257.4	266.7	277.3
40°	182.2	184.9	189.8	196.0	200.8	207.0	215.9	226.0	238.9	246.4	255.7
42.5°	167.2	169.4	175.6	179.1	187.1	192.9	198.2	210.6	222.1	227.8	237.1
45°	150.8	156.1	160.1	167.2	171.6	178.7	185.3	194.2	204.8	211.4	216.7
47.5°	136.7	142.0	146.0	152.6	159.7	162.8	169.9	179.1	188.9	194.2	201.7
50°	125.2	127.0	134.5	137.6	145.1	151.3	156.1	164.1	174.7	177.8	184.0
52.5°	114.1	115.5	120.3	124.3	130.9	136.2	142.4	150.0	158.8	163.7	168.5
55°	104.4	105.3	107.5	111.9	116.3	123.0	128.7	135.8	143.3	148.6	153.0
57.5°	93.3	95.1	96.9	99.5	104.0	110.1	116.3	123.0	129.2	132.7	138.5
60°	80.5	83.2	86.3	89.4	92.4	96.9	104.0	110.1	115.9	119.0	123.4
62.5°	66.8	72.1	74.8	78.3	80.9	84.9	90.2	97.3	101.3	105.3	108.8
65°	60.2	60.6	61.0	64.6	69.4	73.4	78.3	83.6	89.8	92.4	95.1
67.5°	53.5	54.0	54.9	55.3	57.1	61.5	66.8	72.5	77.4	79.2	81.8
70°	46.9	46.9	48.7	49.1	49.5	50.0	54.4	60.2	64.6	66.8	69.9
72.5°	39.8	40.3	41.1	41.6	42.5	43.3	44.7	47.8	53.1	55.3	58.8
75°	32.7	33.2	33.6	34.1	35.4	35.8	37.2	38.9	41.1	43.8	46.0
77.5°	26.1	26.1	26.5	27.4	28.3	28.8	30.1	31.0	31.8	33.2	34.9
80°	19.5	19.9	19.9	20.8	20.8	21.2	21.7	23.0	23.9	24.8	25.7
82.5°	13.3	14.2	14.2	14.2	14.6	15.0	15.5	15.5	16.4	16.8	18.1
85°	8.0	8.4	8.4	8.4	8.0	8.8	8.8	9.3	9.3	9.3	9.7
87.5°	3.1	2.7	3.1	3.1	3.1	3.5	3.1	3.1	3.5	4.0	4.0
90°	11.4	10.7	11.4	11.7	12.1	11.7	9.6	7.1	5.3	4.8	4.3
92.5°	26.7	30.6	35.9	45.8	54.7	54.0	41.9	28.4	18.8	16.8	14.9
95°	56.5	71.4	93.1	121.9	139.3	123.3	82.1	51.2	34.8	30.6	26.3
97.5°	116.2	152.1	190.5	228.8	227.1	175.5	109.1	66.1	45.1	40.3	35.5
100°	231.7	280.4	324.4	331.9	280.7	193.3	116.6	73.2	54.4	49.4	44.4
102.5°	378.4	410.8	412.2	370.3	282.5	186.6	116.9	79.6	62.5	57.6	52.6
105°	476.5	471.9	431.7	357.8	263.3	177.3	118.7	87.1	70.4	65.4	60.4
107.5°	505.3	470.5	410.8	331.5	245.5	172.3	122.6	94.5	78.2	73.2	68.2
110°	491.1	445.6	382.0	307.0	233.5	170.9	127.6	102.0	86.3	81.2	76.0

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	465.5	416.1	355.7	290.0	225.6	171.3	132.9	109.1	94.2	88.8	83.5
115°	436.4	389.8	335.1	276.5	220.3	172.7	138.2	116.6	101.3	96.5	91.7
117.5°	410.4	367.1	318.0	267.2	217.5	174.8	143.9	123.3	109.1	104.1	99.1
120°	387.7	350.0	306.0	260.1	215.0	177.0	149.6	130.4	116.6	111.6	106.6
122.5°	371.0	335.8	296.4	254.1	213.6	179.4	154.6	137.2	124.4	119.2	114.1
125°	355.0	323.7	287.1	248.4	211.8	181.9	159.9	143.9	131.1	126.2	121.2
127.5°	341.5	311.6	277.9	243.1	210.7	184.4	164.9	150.3	137.9	132.8	127.6
130°	327.6	299.6	269.0	237.7	210.0	187.3	169.5	156.0	143.6	138.6	133.6
132.5°	313.4	288.2	260.5	233.5	209.7	190.1	174.1	161.0	149.2	144.2	139.3
135°	299.6	276.1	252.7	229.6	209.3	192.2	178.0	165.6	154.2	149.2	144.3
137.5°	285.7	266.5	246.3	226.7	209.3	194.4	181.2	169.5	158.1	153.5	148.9
140°	273.6	257.3	240.2	224.2	208.9	195.8	183.7	172.7	162.0	157.4	152.8
142.5°	262.6	249.1	235.2	221.7	208.9	196.9	185.8	175.2	164.9	160.6	156.4
145°	253.4	242.3	230.6	219.6	208.2	197.6	187.6	177.7	168.1	164.2	160.3
147.5°	245.5	236.7	227.1	217.5	207.2	197.9	188.7	179.8	170.6	167.0	163.5
150°	238.4	231.0	223.2	214.6	206.1	197.6	189.4	181.2	173.1	169.9	166.7
152.5°	232.4	226.4	219.2	212.1	204.3	196.9	189.8	182.6	175.5	172.7	169.9
155°	226.7	221.4	215.7	208.9	202.2	196.2	190.1	184.1	178.0	175.4	172.7
157.5°	221.0	216.4	211.4	206.1	200.1	194.7	190.1	185.1	179.8	177.5	175.2
160°	215.3	211.4	207.5	202.9	197.9	193.7	190.1	185.8	181.6	179.6	177.7
162.5°	210.0	206.8	203.6	200.1	196.2	192.6	189.8	186.2	182.6	181.2	179.8
165°	204.7	202.2	199.7	196.9	193.7	191.2	189.0	186.6	183.4	182.3	181.2
167.5°	199.7	197.9	195.8	193.7	191.5	189.8	188.7	186.6	184.1	183.4	182.6
170°	195.4	194.0	193.0	191.2	189.8	188.7	188.0	186.2	184.4	183.9	183.4
172.5°	191.5	190.5	189.8	188.7	187.6	187.3	186.9	185.8	184.8	184.4	184.1
175°	188.3	188.0	187.6	186.6	186.2	185.8	186.2	185.5	184.8	184.6	184.4
177.5°	186.2	185.8	185.8	185.1	184.8	185.1	185.8	185.1	184.8	184.8	184.8
180°	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8	184.8

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	636.5	636.5	636.5	636.5
2.5°	625.0	623.7	631.7	640.5
5°	612.2	614.4	624.6	637.0
7.5°	598.9	603.8	615.7	632.1
10°	580.4	589.2	607.3	624.1
12.5°	562.2	574.2	591.4	611.3
15°	541.9	555.1	576.4	600.3
17.5°	519.3	534.3	559.1	585.2
20°	495.4	515.3	541.4	569.7
22.5°	468.9	492.8	519.8	551.2
25°	443.2	469.3	496.3	532.6
27.5°	418.0	443.7	473.7	510.5
30°	392.8	416.2	448.5	487.9
32.5°	365.8	390.1	424.2	464.5
35°	341.0	365.4	397.2	437.0
37.5°	314.5	340.6	371.1	412.3
40°	283.5	314.1	343.7	383.1
42.5°	257.9	290.2	318.9	356.1
45°	237.5	268.1	291.9	328.2
47.5°	218.5	243.3	267.6	301.2
50°	200.4	219.4	244.6	274.7
52.5°	181.8	198.2	219.8	248.2
55°	165.0	180.5	199.9	221.6
57.5°	149.5	160.6	180.0	199.5
60°	132.3	143.8	158.8	175.2
62.5°	117.7	126.5	140.7	154.4
65°	102.2	110.6	121.2	134.0
67.5°	88.0	95.5	104.0	114.1
70°	75.2	80.9	87.1	96.0
72.5°	61.5	67.7	73.4	80.5
75°	50.4	53.1	57.9	62.8
77.5°	38.9	42.5	45.1	49.1
80°	27.9	31.0	31.8	34.9
82.5°	18.6	20.3	22.1	23.0
85°	10.6	11.5	13.3	13.7
87.5°	4.0	4.4	5.3	6.2
90°	3.6	2.8	1.4	0.4
92.5°	12.1	10.3	7.5	5.3
95°	20.6	17.4	13.9	12.4
97.5°	29.1	24.5	20.6	18.5
100°	37.3	31.6	28.4	27.4
102.5°	45.1	39.4	36.2	35.5
105°	52.6	47.3	44.8	43.4
107.5°	60.4	55.4	52.9	51.9
110°	68.6	64.0	61.8	60.4

TEST NUMBER: P999523

CATALOG NUMBER: SA2XXRDIP-B290D330UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	76.4	72.1	69.6	68.2
115°	84.6	80.3	78.2	76.4
117.5°	92.4	88.5	86.3	84.9
120°	99.5	96.3	94.2	92.7
122.5°	107.0	103.4	101.3	100.2
125°	114.1	109.8	107.7	106.6
127.5°	120.8	116.2	113.4	111.9
130°	126.5	121.5	118.0	116.6
132.5°	131.8	126.5	122.6	120.8
135°	136.1	130.8	126.5	125.1
137.5°	140.7	135.0	130.8	129.0
140°	145.0	139.3	135.0	133.6
142.5°	148.9	143.2	139.3	138.2
145°	153.2	147.8	144.3	142.8
147.5°	157.4	152.4	148.9	147.8
150°	161.3	156.7	153.9	152.8
152.5°	164.9	161.0	158.1	157.8
155°	168.8	164.9	162.7	162.4
157.5°	172.0	168.4	166.7	166.3
160°	174.8	172.0	170.6	170.2
162.5°	177.3	175.2	173.8	174.1
165°	179.4	177.3	176.6	177.0
167.5°	181.2	179.8	179.1	179.4
170°	182.6	181.6	181.2	181.9
172.5°	183.7	182.6	183.0	183.4
175°	184.4	183.7	184.1	184.4
177.5°	184.8	184.1	184.4	185.1
180°	184.8	184.8	184.8	184.8

(END OF REPORT)