

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: P1008882

Luminaire Tested: S122DIP-B290D530UB40-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008882
REPORT IS A COMBINATION OF REPORTS P983982 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B290D530UB40-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

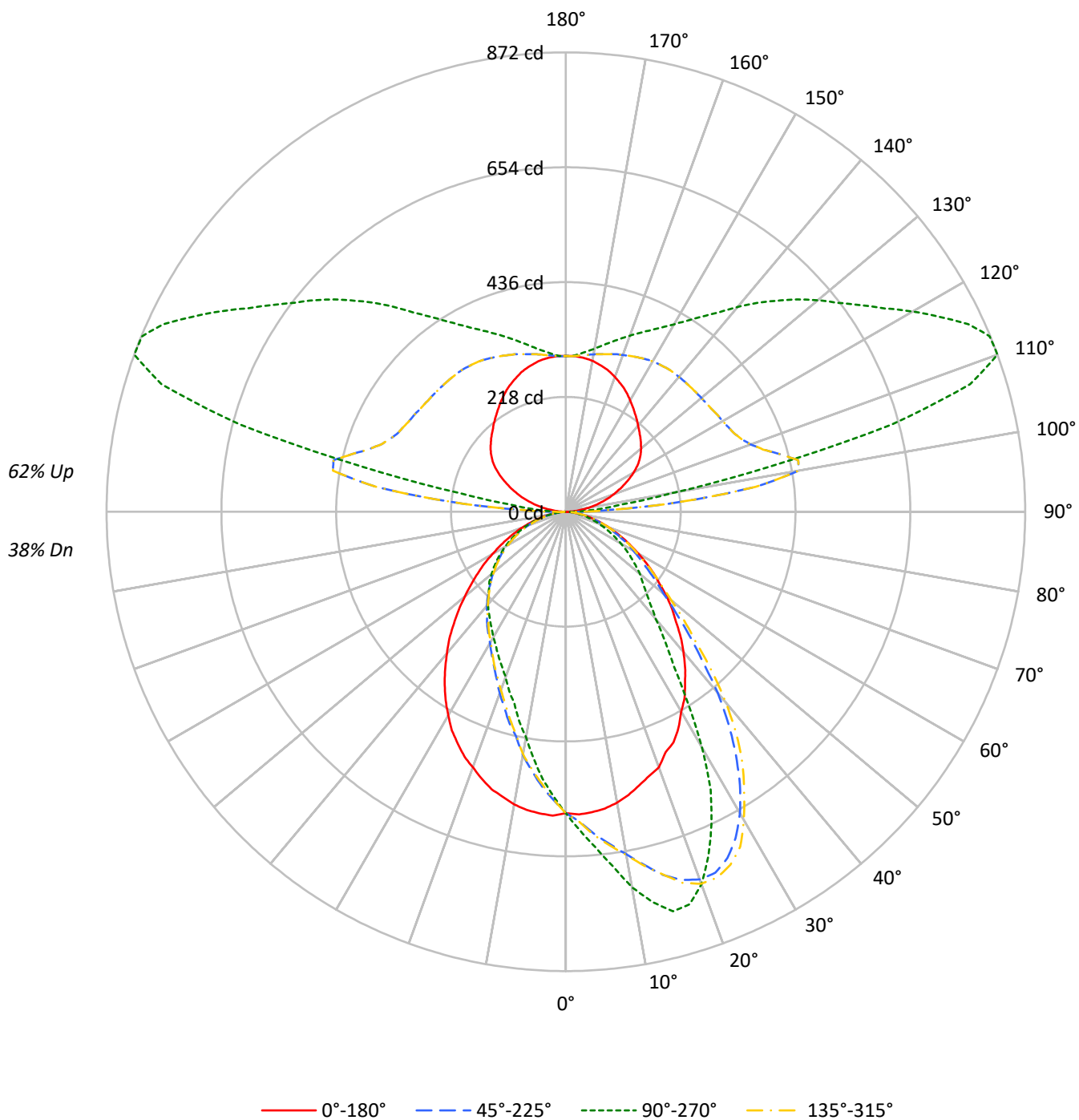
Lumens per Lamp: N/A
Luminaire Lumens: 3322.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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



TEST NUMBER: P1008882

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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	95	95	95	95	77	77	77	60	60	60	45	45	45
1	95	91	88	84	87	83	80	77	68	66	64	53	52	51	40	40	39
2	87	80	74	69	79	73	68	64	60	56	53	47	45	43	36	35	33
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29
4	73	63	55	50	66	57	51	46	47	42	39	38	34	32	29	27	25
5	67	56	48	43	61	51	45	40	42	37	34	34	31	28	26	24	22
6	62	50	43	37	56	46	39	34	38	33	29	31	27	24	24	22	20
7	57	46	38	33	52	42	35	30	35	30	26	28	24	22	22	19	18
8	53	41	34	29	48	38	31	27	32	27	23	26	22	19	20	18	16
9	50	38	31	26	45	35	28	24	29	24	21	24	20	18	19	16	14
10	46	35	28	23	42	32	26	22	27	22	19	22	18	16	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9054	9054	9054	9054
5°	9075	9654	9110	7680
10°	8971	10539	9027	6332
15°	8753	11116	8875	5334
20°	8617	10438	8617	4636
25°	8342	8967	8380	4146
30°	7890	7049	8041	3755
35°	7490	4874	7616	3435
40°	7029	3680	7110	3181
45°	6462	3025	6567	2906
50°	5971	2654	5983	2661
55°	5412	2262	5446	2394
60°	4816	1890	4882	2089
65°	4284	1537	4362	1784
70°	3750	1205	3846	1438
75°	3149	875	3273	1043
80°	2459	555	2635	620
85°	1610	280	1737	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9360 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	1.6
10°-20°	158.6	4.8
20°-30°	230.1	6.9
30°-40°	242.6	7.3
40°-50°	214.7	6.5
50°-60°	171.4	5.2
60°-70°	116.4	3.5
70°-80°	59.6	1.8
80°-90°	16.0	0.5
90°-100°	115.2	3.5
100°-110°	405.7	12.2
110°-120°	426.1	12.8
120°-130°	350.5	10.6
130°-140°	281.6	8.5
140°-150°	212.7	6.4
150°-160°	149.5	4.5
160°-170°	88.0	2.6
170°-180°	28.6	0.9
0°-30°	443.2	13.3
0°-40°	685.8	20.6
0°-60°	1071.9	32.3
0°-90°	1263.9	38.0
90°-120°	947.0	28.5
90°-150°	1791.9	53.9
90°-180°	2058.0	62.0
0°-180°	3322.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	572	572	572	572	572	
5°	572	639	575	508	572	54
15°	538	785	545	377	538	152
25°	483	654	485	302	483	221
35°	394	356	401	251	394	247
45°	296	215	301	206	296	230
55°	203	151	204	160	203	181
65°	120	93	123	108	120	120
75°	56	46	58	54	56	60
85°	11	12	12	9	11	13
90°	1	19	1	19	1	2
95°	20	65	20	65	20	21
105°	69	640	69	640	69	74
115°	122	843	122	843	122	121
125°	170	684	170	684	170	152
135°	200	567	200	567	200	155
145°	228	452	228	452	228	143
155°	260	380	260	380	260	120
165°	283	334	283	334	283	80
175°	295	301	295	301	295	28
180°	296	296	296	296	296	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	575.1	576.4	578.6	579.0	583.4	586.9	590.9	590.9	592.2	591.8	588.3
5°	572.4	576.4	582.1	586.9	594.9	598.4	603.7	607.6	611.1	613.8	613.3
7.5°	568.0	575.1	583.4	592.7	603.2	609.4	616.8	623.9	628.7	633.1	636.2
10°	560.6	572.4	583.9	596.2	609.8	618.2	627.0	636.2	643.7	652.0	659.9
12.5°	550.5	567.6	581.7	597.9	614.6	623.9	637.9	645.0	659.5	680.6	686.3
15°	537.7	561.0	574.2	594.9	616.8	624.3	643.7	655.1	685.0	698.2	714.0
17.5°	525.8	551.8	569.4	593.1	614.6	629.2	648.1	671.4	696.4	715.3	732.9
20°	516.2	541.2	562.3	588.7	616.0	634.4	654.2	682.4	709.6	729.0	742.6
22.5°	494.2	526.3	550.9	580.4	613.3	638.8	657.7	688.5	718.0	729.8	741.7
25°	483.2	510.9	539.5	572.9	611.6	641.9	658.2	692.5	718.4	722.8	725.4
27.5°	463.0	494.2	527.6	565.8	611.1	636.6	657.3	688.5	709.2	706.1	698.2
30°	437.9	476.2	513.1	554.4	605.0	632.7	652.0	680.6	691.1	675.3	661.2
32.5°	419.4	455.5	496.4	544.3	597.9	624.3	643.2	665.6	667.8	639.3	615.5
35°	394.4	434.4	480.5	531.1	586.1	609.8	627.4	641.0	630.5	590.5	562.3
37.5°	372.0	411.5	460.8	512.2	569.8	593.1	607.2	609.4	583.4	548.3	506.9
40°	347.3	388.2	439.7	493.7	551.8	572.0	580.8	574.2	536.8	495.9	448.0
42.5°	322.7	363.2	418.6	474.0	528.9	546.1	549.6	531.5	485.8	437.9	382.5
45°	295.9	338.1	393.5	449.3	502.5	512.2	512.6	486.7	432.6	382.5	331.1
47.5°	273.9	313.0	368.0	423.8	468.7	475.3	472.6	442.7	383.8	327.5	282.7
50°	249.7	287.1	341.6	396.6	434.8	436.6	430.0	387.3	329.7	278.3	242.7
52.5°	223.8	261.6	311.7	364.5	398.8	396.1	383.4	337.7	283.6	240.9	213.7
55°	203.1	236.5	283.6	335.0	359.2	351.7	337.7	291.1	248.4	212.4	188.6
57.5°	180.3	209.7	255.9	300.7	314.8	307.8	293.7	250.2	210.6	183.3	167.5
60°	158.7	185.5	226.0	263.4	274.3	266.9	250.6	211.5	182.9	160.0	148.2
62.5°	138.9	162.2	196.1	230.4	234.8	227.3	213.2	181.6	157.0	138.9	130.1
65°	120.5	142.4	169.7	195.6	199.6	191.7	177.2	154.3	133.7	122.2	113.9
67.5°	102.4	120.0	144.2	163.1	165.3	157.8	146.0	127.5	114.8	102.4	96.3
70°	86.6	99.8	118.7	134.1	135.0	127.9	121.8	105.1	95.4	86.6	81.8
72.5°	71.2	80.5	95.0	106.4	106.8	102.4	96.7	86.2	77.8	71.7	66.8
75°	56.3	64.2	73.0	83.1	82.7	79.1	74.7	68.1	61.1	57.2	55.0
77.5°	43.1	47.9	55.0	61.6	61.6	59.8	57.2	52.3	47.9	44.0	41.8
80°	30.8	33.9	39.6	41.8	42.6	42.2	40.0	36.5	34.7	31.7	30.8
82.5°	19.8	22.0	24.6	26.8	28.1	27.3	26.8	25.1	22.4	21.5	20.7
85°	11.4	12.3	13.6	14.9	15.4	14.9	15.8	14.5	13.2	13.2	12.8
87.5°	4.8	5.3	6.2	6.2	6.6	6.6	6.2	6.6	6.6	6.2	5.7
90°	0.6	2.3	4.5	5.7	6.8	7.6	8.5	11.4	15.3	18.8	19.3
92.5°	8.5	11.9	16.5	19.3	23.9	27.0	30.1	45.5	67.1	86.4	87.5
95°	19.9	22.2	27.8	33.0	42.1	48.9	55.7	81.8	131.3	197.2	222.8
97.5°	29.6	33.0	39.2	46.6	56.8	64.5	72.2	105.7	174.5	280.8	363.2
100°	43.8	45.5	50.6	59.7	71.0	79.0	87.0	117.1	186.4	309.2	449.0
102.5°	56.8	58.0	63.1	72.2	84.1	92.0	100.0	127.3	187.0	298.4	451.8
105°	69.3	71.6	75.6	84.1	96.6	104.6	112.5	139.2	189.8	283.6	421.1
107.5°	83.0	84.7	88.7	96.6	109.1	117.0	125.0	151.2	196.1	275.6	392.7
110°	96.6	98.9	102.3	109.7	121.6	129.8	138.1	163.1	204.0	273.4	373.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	109.1	111.4	115.4	122.2	133.6	142.1	150.6	174.5	212.6	273.9	360.9
115°	122.2	125.0	128.4	135.3	146.6	154.3	162.0	186.4	221.1	276.2	352.4
117.5°	135.8	138.1	141.5	147.8	158.6	166.6	174.5	197.2	230.2	279.6	347.8
120°	148.3	150.6	154.0	159.1	170.5	178.4	186.4	208.6	239.3	283.0	343.8
122.5°	160.3	162.0	165.4	171.1	182.4	190.6	198.9	219.4	247.2	287.0	341.6
125°	170.5	172.2	175.6	182.4	193.8	201.8	209.7	230.2	255.7	291.0	338.7
127.5°	179.0	181.3	185.8	193.2	204.0	212.2	220.5	240.4	263.7	295.0	337.0
130°	186.4	188.7	194.4	202.3	213.7	221.6	229.6	249.5	271.1	299.5	335.9
132.5°	193.2	196.1	202.3	210.9	222.8	230.8	238.7	257.5	278.5	304.1	335.3
135°	200.1	202.3	209.1	217.7	230.7	238.7	246.7	264.8	284.7	307.5	334.7
137.5°	206.3	209.1	216.0	225.1	238.1	245.5	252.9	271.1	289.8	310.9	334.7
140°	213.7	216.0	222.8	231.9	244.4	251.8	259.2	276.2	293.8	313.2	334.2
142.5°	221.1	222.8	229.0	238.1	250.1	256.9	263.7	280.2	297.2	314.9	334.2
145°	228.5	230.7	236.4	245.0	256.3	262.6	268.8	284.2	300.1	316.0	333.0
147.5°	236.4	238.1	243.8	251.8	261.4	267.1	272.8	287.6	301.8	316.6	331.3
150°	244.4	246.1	250.6	258.0	266.5	271.6	276.8	289.8	302.9	316.0	329.6
152.5°	252.3	252.9	257.5	263.7	271.7	276.2	280.8	292.1	303.5	314.9	326.8
155°	259.7	260.3	263.7	270.0	276.2	280.4	284.7	294.4	304.1	313.7	323.4
157.5°	266.0	266.5	269.4	275.1	280.2	283.9	287.6	296.1	304.1	311.4	320.0
160°	272.2	272.8	275.1	279.6	284.2	287.3	290.4	297.2	304.1	309.7	316.6
162.5°	278.5	277.9	280.2	283.6	287.6	289.8	292.1	297.8	303.5	308.0	313.7
165°	283.0	282.5	283.6	287.0	289.8	291.6	293.3	298.4	302.4	305.8	309.7
167.5°	287.0	286.4	287.6	289.8	292.1	293.2	294.4	298.4	301.8	303.5	306.3
170°	291.0	289.8	290.4	292.1	293.3	294.2	295.0	297.8	300.6	301.8	303.5
172.5°	293.3	292.7	292.1	293.8	294.4	295.0	295.5	297.2	298.9	299.5	300.1
175°	295.0	294.4	293.8	295.0	295.0	295.2	295.5	296.7	297.8	297.2	297.8
177.5°	296.1	295.0	294.4	295.5	295.5	295.5	295.5	296.1	297.2	296.1	295.5
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	594.4	594.9	595.7	600.1	602.3	602.8	601.0	605.0	606.3	605.0	604.1
5°	622.6	625.2	630.5	636.2	635.7	636.2	638.8	641.5	642.3	638.8	640.1
7.5°	647.2	652.5	658.2	667.0	667.0	671.4	673.1	675.3	680.6	678.0	677.1
10°	675.3	682.4	692.9	707.0	707.4	711.8	716.2	723.2	725.4	723.7	724.6
12.5°	710.5	724.1	725.0	740.4	747.4	748.3	755.3	754.0	758.4	758.4	765.9
15°	725.9	747.0	758.9	773.8	778.2	772.9	778.6	784.8	785.2	785.2	784.8
17.5°	753.6	761.9	773.8	781.7	783.5	783.5	783.9	786.6	784.8	781.3	783.9
20°	759.3	762.8	767.2	766.3	767.2	762.8	758.4	754.0	754.5	752.3	758.9
22.5°	748.7	747.9	737.7	731.2	731.2	722.4	714.0	710.1	706.1	707.4	709.6
25°	722.4	708.7	696.4	686.7	684.6	670.5	659.0	655.5	648.9	654.2	655.1
27.5°	680.2	664.8	645.0	636.6	625.2	619.5	611.6	601.0	587.4	595.3	594.0
30°	634.9	612.0	595.7	575.5	557.5	556.2	541.2	523.6	516.6	516.6	520.6
32.5°	584.3	554.0	530.2	501.7	484.1	476.6	458.6	441.0	444.9	431.7	436.6
35°	525.4	485.4	455.5	427.8	414.6	405.8	382.5	372.8	362.3	356.1	367.6
37.5°	469.1	423.0	384.7	354.4	349.5	333.7	317.9	311.7	305.6	308.2	307.8
40°	400.5	359.6	325.3	301.6	293.3	285.8	275.2	267.8	263.8	266.0	266.4
42.5°	338.5	304.2	278.7	262.0	255.0	249.7	244.5	238.3	237.0	237.0	238.7
45°	290.6	262.5	245.3	231.7	227.7	223.8	219.8	217.2	216.3	214.6	215.9
47.5°	252.4	229.9	219.4	209.3	204.9	204.0	200.5	199.2	197.4	197.0	197.4
50°	220.3	206.2	196.5	190.8	187.7	186.4	184.7	182.0	181.1	183.3	182.5
52.5°	197.8	184.7	179.4	173.7	171.9	170.1	167.5	167.9	167.5	166.6	166.6
55°	175.4	167.1	161.8	157.4	157.0	155.2	153.0	152.1	151.7	150.8	152.1
57.5°	157.4	150.8	146.0	142.0	140.3	140.3	138.1	136.3	136.3	135.9	136.3
60°	139.4	132.8	129.7	125.7	124.4	124.0	122.7	121.8	120.5	120.5	120.5
62.5°	122.7	117.4	113.9	110.4	110.8	108.6	106.8	106.0	106.0	106.4	106.4
65°	106.8	103.3	98.9	95.8	95.0	94.5	93.6	93.2	91.9	92.8	92.8
67.5°	92.3	87.5	84.9	83.5	82.2	81.8	80.9	80.0	79.6	79.1	80.0
70°	77.8	73.9	71.7	70.8	69.5	69.0	68.6	67.3	67.7	68.1	68.6
72.5°	64.6	61.1	60.7	58.0	58.0	58.0	56.3	57.2	56.7	55.8	56.7
75°	51.0	49.2	48.4	47.0	47.5	47.0	46.6	45.3	45.3	45.7	46.2
77.5°	40.4	38.7	38.3	36.9	36.1	36.9	36.1	35.6	35.6	36.1	36.1
80°	29.9	29.0	27.7	27.7	27.7	27.3	27.3	27.3	26.8	26.4	26.8
82.5°	19.8	19.8	19.3	18.9	19.3	18.5	18.9	18.9	18.9	18.9	18.9
85°	12.8	12.3	12.3	11.9	11.9	11.9	12.3	11.4	11.4	11.9	11.9
87.5°	5.7	5.7	5.7	6.2	5.7	5.7	5.7	6.2	5.7	5.7	5.7
90°	18.8	18.2	17.0	18.2	18.5	18.8	18.8	18.8	18.8	18.8	18.8
92.5°	73.3	57.4	48.9	42.6	40.4	38.1	37.5	35.2	35.8	34.7	35.8
95°	194.9	148.9	114.2	90.4	84.2	77.9	70.5	65.9	64.2	64.8	64.2
97.5°	366.0	304.6	243.2	185.8	168.8	151.7	129.6	118.2	112.0	108.6	112.0
100°	530.8	518.9	448.4	370.6	336.2	301.8	254.6	230.2	213.7	203.5	213.7
102.5°	592.2	659.3	657.0	605.3	568.3	531.4	479.1	433.1	411.5	396.7	411.5
105°	572.3	690.5	754.7	762.1	752.8	743.4	708.1	672.9	648.5	640.5	648.5
107.5°	530.3	657.0	752.5	808.2	819.6	830.9	830.3	825.2	817.8	804.8	817.8
110°	491.0	611.0	712.7	785.4	808.7	832.0	856.5	867.3	872.4	871.8	872.4

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	463.8	568.9	665.5	744.5	772.0	799.6	836.0	855.9	866.7	870.7	866.7
115°	442.2	535.9	623.5	697.9	727.2	756.5	796.8	822.9	837.7	842.8	837.7
117.5°	427.4	508.7	587.1	656.4	684.2	712.1	753.6	781.5	796.8	800.8	796.8
120°	416.0	489.3	559.8	620.1	646.0	671.8	711.6	738.3	754.7	760.4	754.7
122.5°	406.4	474.0	537.1	593.3	616.0	638.8	673.5	699.6	713.8	718.4	713.8
125°	397.3	459.2	517.8	567.8	589.1	610.4	643.4	664.9	679.2	683.7	679.2
127.5°	388.7	444.4	498.4	546.2	566.1	586.0	614.9	635.4	647.9	651.3	647.9
130°	380.2	430.2	479.1	524.0	542.8	561.5	589.4	608.7	620.1	624.6	620.1
132.5°	373.4	416.6	460.9	501.3	518.6	535.9	563.2	582.5	592.8	596.7	592.8
135°	367.1	404.1	441.6	479.1	495.0	510.9	535.4	554.1	564.4	566.6	564.4
137.5°	362.6	393.9	426.2	456.9	471.2	485.4	508.7	525.1	534.2	537.6	534.2
140°	358.6	384.2	411.5	437.6	450.1	462.6	480.8	495.6	504.1	507.5	504.1
142.5°	354.6	376.2	398.4	420.0	430.0	439.9	456.9	470.0	477.4	477.4	477.4
145°	351.2	368.8	387.6	405.2	413.4	421.7	435.3	445.0	450.7	452.4	450.7
147.5°	347.8	363.2	378.5	392.7	399.0	405.2	417.2	425.1	429.1	430.2	429.1
150°	343.3	356.9	369.4	381.4	386.5	391.6	400.1	406.9	410.3	410.9	410.3
152.5°	339.3	350.7	362.0	371.7	376.0	380.2	386.5	392.1	394.4	394.4	394.4
155°	334.2	345.0	354.1	362.6	365.7	368.8	375.1	379.1	381.4	380.2	381.4
157.5°	329.6	338.2	346.1	353.5	356.0	358.6	363.2	366.6	367.7	367.7	367.7
160°	324.5	331.9	338.2	344.4	346.4	348.4	352.4	355.2	355.8	355.8	355.8
162.5°	320.0	325.7	330.8	335.9	337.3	338.7	342.7	344.4	345.0	344.4	345.0
165°	314.9	319.4	323.4	327.4	328.5	329.6	331.9	334.2	334.2	333.6	334.2
167.5°	309.7	313.2	316.6	319.4	320.5	321.7	322.8	323.9	323.9	323.4	323.9
170°	305.8	308.6	310.3	312.6	313.2	313.7	314.3	316.0	315.4	314.3	315.4
172.5°	301.8	303.5	304.6	306.3	306.6	306.9	307.5	308.0	307.5	306.9	307.5
175°	298.4	300.1	300.6	301.2	301.5	301.8	301.8	302.4	301.8	300.6	301.8
177.5°	296.1	297.2	297.2	297.8	297.8	297.8	297.8	297.8	297.2	296.1	297.2
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	606.3	603.2	600.6	601.0	603.2	601.5	597.1	591.3	589.1	586.5	589.1
5°	642.8	640.1	634.9	635.3	634.0	632.2	625.2	616.4	616.4	609.4	608.5
7.5°	678.8	674.9	671.4	670.5	665.6	662.1	656.0	643.7	638.8	630.5	625.6
10°	719.3	716.2	712.2	707.4	704.8	698.6	688.5	670.5	661.7	650.3	641.9
12.5°	760.2	759.7	750.9	741.3	740.8	731.2	724.1	699.9	688.1	672.7	652.9
15°	786.1	783.9	779.1	774.2	775.6	765.0	749.2	720.6	712.7	694.2	673.1
17.5°	785.7	785.7	784.4	783.5	782.2	779.1	770.3	751.4	738.6	715.3	695.5
20°	760.6	766.3	767.6	767.2	771.6	773.8	773.4	761.5	751.4	730.7	710.5
22.5°	710.5	723.7	729.4	732.9	742.1	747.0	758.4	754.0	751.4	736.0	718.8
25°	663.9	668.3	685.4	686.3	699.1	710.9	722.4	729.8	739.5	733.8	719.3
27.5°	603.7	613.8	626.1	635.3	637.9	662.1	681.0	695.1	717.1	718.8	714.0
30°	535.5	540.3	560.6	572.9	586.9	604.5	631.8	656.0	675.8	693.8	699.9
32.5°	452.4	472.2	484.1	499.0	511.3	542.5	576.0	607.2	630.0	660.4	673.6
35°	376.3	391.7	412.0	418.1	440.5	466.9	510.4	550.5	585.2	616.0	642.8
37.5°	313.5	325.8	347.3	357.0	370.2	404.0	440.5	490.2	532.0	569.8	603.2
40°	270.4	279.6	295.9	299.0	310.0	340.7	370.2	416.8	472.2	523.2	559.7
42.5°	240.9	245.3	256.3	260.3	267.3	288.0	314.4	358.3	409.8	462.5	514.0
45°	219.8	222.9	229.5	233.0	241.8	251.0	272.6	307.8	348.2	401.4	456.8
47.5°	200.9	204.9	207.5	209.7	214.6	224.7	238.7	264.7	303.4	352.2	405.8
50°	185.1	186.4	191.3	191.7	194.8	201.4	214.6	230.4	261.2	300.7	352.6
52.5°	169.3	170.6	173.7	176.7	178.1	183.3	192.1	205.3	228.2	259.4	305.6
55°	153.4	155.2	158.3	160.5	161.8	166.2	171.5	184.2	202.2	224.2	262.0
57.5°	137.6	141.6	142.4	143.8	146.0	150.8	155.6	163.1	177.2	197.4	225.1
60°	122.7	124.0	127.1	128.4	130.6	133.2	139.4	145.1	155.2	171.0	196.1
62.5°	107.3	110.4	111.7	113.0	114.8	117.8	121.8	127.9	136.7	149.5	169.3
65°	94.1	94.5	97.2	98.9	100.7	102.9	106.8	112.6	117.8	129.7	144.2
67.5°	81.3	82.2	83.1	84.9	87.1	89.3	92.8	95.8	102.4	110.4	121.8
70°	69.0	69.0	71.2	72.5	72.1	74.7	77.4	80.9	85.7	93.2	102.4
72.5°	58.0	57.6	59.4	59.8	60.7	62.4	64.2	67.7	70.3	76.1	83.1
75°	46.2	47.0	47.9	47.9	49.2	50.6	52.3	54.1	57.2	60.7	65.9
77.5°	36.5	36.5	37.4	37.8	39.1	38.7	40.4	42.2	44.4	47.5	51.4
80°	26.8	27.7	27.7	27.7	28.1	28.6	30.3	31.7	33.0	35.2	36.9
82.5°	18.9	18.9	19.8	19.8	19.8	20.7	20.7	21.1	22.0	23.3	24.6
85°	11.9	11.9	11.9	12.3	11.9	12.3	13.2	12.8	13.2	14.1	14.1
87.5°	5.7	5.7	5.7	5.7	5.7	6.2	5.7	6.2	6.6	6.6	6.6
90°	18.8	18.8	18.8	18.5	18.2	17.0	18.2	18.8	19.3	18.8	15.3
92.5°	35.2	37.5	38.1	40.4	42.6	48.9	57.4	73.3	87.5	86.4	67.1
95°	65.9	70.5	77.9	84.2	90.4	114.2	148.9	194.9	222.8	197.2	131.3
97.5°	118.2	129.6	151.7	168.8	185.8	243.2	304.6	366.0	363.2	280.8	174.5
100°	230.2	254.6	301.8	336.2	370.6	448.4	518.9	530.8	449.0	309.2	186.4
102.5°	433.1	479.1	531.4	568.3	605.3	657.0	659.3	592.2	451.8	298.4	187.0
105°	672.9	708.1	743.4	752.8	762.1	754.7	690.5	572.3	421.1	283.6	189.8
107.5°	825.2	830.3	830.9	819.6	808.2	752.5	657.0	530.3	392.7	275.6	196.1
110°	867.3	856.5	832.0	808.7	785.4	712.7	611.0	491.0	373.4	273.4	204.0

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	855.9	836.0	799.6	772.0	744.5	665.5	568.9	463.8	360.9	273.9	212.6
115°	822.9	796.8	756.5	727.2	697.9	623.5	535.9	442.2	352.4	276.2	221.1
117.5°	781.5	753.6	712.1	684.2	656.4	587.1	508.7	427.4	347.8	279.6	230.2
120°	738.3	711.6	671.8	646.0	620.1	559.8	489.3	416.0	343.8	283.0	239.3
122.5°	699.6	673.5	638.8	616.0	593.3	537.1	474.0	406.4	341.6	287.0	247.2
125°	664.9	643.4	610.4	589.1	567.8	517.8	459.2	397.3	338.7	291.0	255.7
127.5°	635.4	614.9	586.0	566.1	546.2	498.4	444.4	388.7	337.0	295.0	263.7
130°	608.7	589.4	561.5	542.8	524.0	479.1	430.2	380.2	335.9	299.5	271.1
132.5°	582.5	563.2	535.9	518.6	501.3	460.9	416.6	373.4	335.3	304.1	278.5
135°	554.1	535.4	510.9	495.0	479.1	441.6	404.1	367.1	334.7	307.5	284.7
137.5°	525.1	508.7	485.4	471.2	456.9	426.2	393.9	362.6	334.7	310.9	289.8
140°	495.6	480.8	462.6	450.1	437.6	411.5	384.2	358.6	334.2	313.2	293.8
142.5°	470.0	456.9	439.9	430.0	420.0	398.4	376.2	354.6	334.2	314.9	297.2
145°	445.0	435.3	421.7	413.4	405.2	387.6	368.8	351.2	333.0	316.0	300.1
147.5°	425.1	417.2	405.2	399.0	392.7	378.5	363.2	347.8	331.3	316.6	301.8
150°	406.9	400.1	391.6	386.5	381.4	369.4	356.9	343.3	329.6	316.0	302.9
152.5°	392.1	386.5	380.2	376.0	371.7	362.0	350.7	339.3	326.8	314.9	303.5
155°	379.1	375.1	368.8	365.7	362.6	354.1	345.0	334.2	323.4	313.7	304.1
157.5°	366.6	363.2	358.6	356.0	353.5	346.1	338.2	329.6	320.0	311.4	304.1
160°	355.2	352.4	348.4	346.4	344.4	338.2	331.9	324.5	316.6	309.7	304.1
162.5°	344.4	342.7	338.7	337.3	335.9	330.8	325.7	320.0	313.7	308.0	303.5
165°	334.2	331.9	329.6	328.5	327.4	323.4	319.4	314.9	309.7	305.8	302.4
167.5°	323.9	322.8	321.7	320.5	319.4	316.6	313.2	309.7	306.3	303.5	301.8
170°	316.0	314.3	313.7	313.2	312.6	310.3	308.6	305.8	303.5	301.8	300.6
172.5°	308.0	307.5	306.9	306.6	306.3	304.6	303.5	301.8	300.1	299.5	298.9
175°	302.4	301.8	301.8	301.5	301.2	300.6	300.1	298.4	297.8	297.2	297.8
177.5°	297.8	297.8	297.8	297.8	297.8	297.2	297.2	296.1	295.5	296.1	297.2
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	586.9	584.7	583.4	584.3	581.7	575.1	575.1	577.3	574.6	572.0	568.0
5°	603.2	598.8	596.2	595.7	589.6	579.0	576.8	574.6	568.9	562.8	556.2
7.5°	619.0	611.1	606.7	603.7	594.9	581.2	575.5	570.7	561.4	552.2	543.9
10°	632.2	620.8	615.5	610.7	599.3	582.1	572.9	564.1	552.2	540.3	529.8
12.5°	642.8	629.6	623.0	616.0	601.9	579.5	568.0	554.0	542.1	526.3	515.7
15°	660.4	633.1	627.0	620.4	605.9	575.1	561.0	545.2	528.9	507.8	496.4
17.5°	674.4	637.9	637.5	623.4	604.5	573.3	551.8	531.1	513.5	492.4	474.4
20°	682.8	645.4	638.4	623.9	600.1	561.4	539.0	516.2	497.3	471.8	453.7
22.5°	689.8	656.0	637.5	619.9	590.9	557.5	524.5	503.0	477.0	449.3	432.2
25°	692.5	658.2	638.8	618.6	584.3	546.1	508.7	485.4	456.4	431.3	408.0
27.5°	692.9	657.7	634.0	612.9	575.1	531.1	492.9	468.2	436.1	407.1	383.8
30°	688.5	652.9	631.4	608.5	566.3	517.5	473.5	446.3	412.0	382.9	358.8
32.5°	675.3	643.2	625.6	600.6	554.9	498.6	455.0	424.7	388.7	360.1	336.8
35°	653.3	631.4	612.0	588.7	539.9	481.0	436.6	401.0	364.5	337.2	315.2
37.5°	626.1	614.2	596.2	573.3	522.8	465.2	415.9	376.3	339.9	313.5	291.9
40°	589.1	592.2	574.6	554.0	502.5	443.6	389.1	351.3	317.0	292.4	271.3
42.5°	549.1	561.9	551.8	532.0	480.1	419.9	369.3	327.5	294.1	268.6	251.0
45°	506.0	528.0	521.9	507.4	456.8	394.8	341.2	300.7	271.3	246.6	231.3
47.5°	459.0	490.2	490.2	479.7	430.9	369.8	317.0	275.7	246.6	229.1	214.1
50°	411.1	446.3	452.0	444.9	401.8	341.2	287.5	250.2	225.1	208.0	197.0
52.5°	361.0	401.8	412.4	408.9	371.1	313.9	263.4	226.9	204.0	189.1	179.4
55°	313.0	360.5	372.0	373.3	338.1	284.0	236.5	204.4	182.5	172.3	164.0
57.5°	267.8	313.5	326.2	328.4	304.7	256.8	211.5	183.3	163.6	155.2	148.6
60°	229.1	267.3	284.0	288.9	268.2	225.1	188.2	160.9	146.0	138.1	131.9
62.5°	197.4	228.2	245.8	247.1	237.9	197.4	164.0	141.1	128.4	121.3	118.3
65°	166.6	194.3	204.9	210.2	202.7	171.0	141.6	122.7	112.6	106.4	103.3
67.5°	142.0	159.6	168.4	175.4	167.9	144.2	120.5	105.1	97.6	91.4	89.7
70°	116.5	131.0	137.6	144.6	138.1	120.0	102.9	88.8	82.2	77.4	75.2
72.5°	93.2	104.6	110.8	115.2	111.2	96.3	82.2	72.5	67.7	64.2	62.9
75°	73.9	81.8	85.3	88.4	86.6	75.2	66.4	58.5	54.1	51.0	50.1
77.5°	56.3	62.0	65.9	66.8	64.6	57.2	49.7	44.8	41.3	39.6	38.7
80°	40.0	43.5	45.7	47.0	44.8	41.8	36.5	33.0	29.9	27.7	27.3
82.5°	26.8	28.6	30.3	29.9	29.0	26.4	23.3	21.5	20.2	18.5	18.5
85°	15.4	15.8	16.7	17.1	16.7	14.9	13.2	12.3	11.4	10.1	10.1
87.5°	6.6	7.0	7.0	7.5	6.6	6.6	5.7	4.8	4.8	4.4	4.0
90°	11.4	8.5	7.6	6.8	5.7	4.5	2.3	0.6	2.3	4.5	5.7
92.5°	45.5	30.1	27.0	23.9	19.3	16.5	11.9	8.5	11.9	16.5	19.3
95°	81.8	55.7	48.9	42.1	33.0	27.8	22.2	19.9	22.2	27.8	33.0
97.5°	105.7	72.2	64.5	56.8	46.6	39.2	33.0	29.6	33.0	39.2	46.6
100°	117.1	87.0	79.0	71.0	59.7	50.6	45.5	43.8	45.5	50.6	59.7
102.5°	127.3	100.0	92.0	84.1	72.2	63.1	58.0	56.8	58.0	63.1	72.2
105°	139.2	112.5	104.6	96.6	84.1	75.6	71.6	69.3	71.6	75.6	84.1
107.5°	151.2	125.0	117.0	109.1	96.6	88.7	84.7	83.0	84.7	88.7	96.6
110°	163.1	138.1	129.8	121.6	109.7	102.3	98.9	96.6	98.9	102.3	109.7

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	174.5	150.6	142.1	133.6	122.2	115.4	111.4	109.1	111.4	115.4	122.2
115°	186.4	162.0	154.3	146.6	135.3	128.4	125.0	122.2	125.0	128.4	135.3
117.5°	197.2	174.5	166.6	158.6	147.8	141.5	138.1	135.8	138.1	141.5	147.8
120°	208.6	186.4	178.4	170.5	159.1	154.0	150.6	148.3	150.6	154.0	159.1
122.5°	219.4	198.9	190.6	182.4	171.1	165.4	162.0	160.3	162.0	165.4	171.1
125°	230.2	209.7	201.8	193.8	182.4	175.6	172.2	170.5	172.2	175.6	182.4
127.5°	240.4	220.5	212.2	204.0	193.2	185.8	181.3	179.0	181.3	185.8	193.2
130°	249.5	229.6	221.6	213.7	202.3	194.4	188.7	186.4	188.7	194.4	202.3
132.5°	257.5	238.7	230.8	222.8	210.9	202.3	196.1	193.2	196.1	202.3	210.9
135°	264.8	246.7	238.7	230.7	217.7	209.1	202.3	200.1	202.3	209.1	217.7
137.5°	271.1	252.9	245.5	238.1	225.1	216.0	209.1	206.3	209.1	216.0	225.1
140°	276.2	259.2	251.8	244.4	231.9	222.8	216.0	213.7	216.0	222.8	231.9
142.5°	280.2	263.7	256.9	250.1	238.1	229.0	222.8	221.1	222.8	229.0	238.1
145°	284.2	268.8	262.6	256.3	245.0	236.4	230.7	228.5	230.7	236.4	245.0
147.5°	287.6	272.8	267.1	261.4	251.8	243.8	238.1	236.4	238.1	243.8	251.8
150°	289.8	276.8	271.6	266.5	258.0	250.6	246.1	244.4	246.1	250.6	258.0
152.5°	292.1	280.8	276.2	271.7	263.7	257.5	252.9	252.3	252.9	257.5	263.7
155°	294.4	284.7	280.4	276.2	270.0	263.7	260.3	259.7	260.3	263.7	270.0
157.5°	296.1	287.6	283.9	280.2	275.1	269.4	266.5	266.0	266.5	269.4	275.1
160°	297.2	290.4	287.3	284.2	279.6	275.1	272.8	272.2	272.8	275.1	279.6
162.5°	297.8	292.1	289.8	287.6	283.6	280.2	277.9	278.5	277.9	280.2	283.6
165°	298.4	293.3	291.6	289.8	287.0	283.6	282.5	283.0	282.5	283.6	287.0
167.5°	298.4	294.4	293.2	292.1	289.8	287.6	286.4	287.0	286.4	287.6	289.8
170°	297.8	295.0	294.2	293.3	292.1	290.4	289.8	291.0	289.8	290.4	292.1
172.5°	297.2	295.5	295.0	294.4	293.8	292.1	292.7	293.3	292.7	292.1	293.8
175°	296.7	295.5	295.2	295.0	295.0	293.8	294.4	295.0	294.4	293.8	295.0
177.5°	296.1	295.5	295.5	295.5	295.5	294.4	295.0	296.1	295.0	294.4	295.5
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	565.8	568.0	567.6	563.2	558.4	554.4	546.9	547.8	545.2	545.6	548.3
5°	551.8	551.8	550.0	543.9	535.9	531.5	523.2	521.0	515.7	515.3	514.8
7.5°	536.8	534.6	532.4	523.6	514.0	506.9	495.5	492.9	487.6	484.1	482.3
10°	519.2	516.2	511.8	501.7	489.8	481.0	469.1	465.6	455.5	451.1	448.5
12.5°	499.9	498.1	491.1	482.7	463.4	453.7	436.6	440.1	430.0	421.2	419.9
15°	480.5	474.0	470.0	456.4	433.1	428.7	415.0	408.0	398.8	391.7	391.7
17.5°	461.6	451.5	442.7	428.2	411.1	398.8	388.7	385.1	373.7	366.7	365.4
20°	436.6	425.2	423.0	402.3	390.4	376.8	367.1	358.3	350.0	346.9	344.7
22.5°	412.8	399.7	396.1	378.5	366.7	353.0	343.4	337.2	331.1	328.9	324.9
25°	387.3	379.4	374.2	355.2	342.1	329.3	322.7	318.3	312.6	312.2	309.5
27.5°	362.7	355.2	350.0	331.9	322.3	310.4	305.1	300.3	297.2	295.9	294.6
30°	341.6	333.3	327.1	313.9	302.0	292.4	288.0	284.9	283.1	280.9	280.5
32.5°	318.3	313.5	305.1	295.0	285.8	276.5	273.9	271.7	269.1	268.2	267.8
35°	298.5	291.9	286.7	275.2	271.3	263.4	260.3	258.5	255.0	254.1	253.2
37.5°	279.2	273.0	267.3	260.3	252.8	248.4	246.6	244.0	242.3	242.7	241.8
40°	259.8	255.0	250.6	243.1	238.7	236.5	233.0	230.4	229.5	229.9	229.5
42.5°	240.9	236.5	233.9	228.2	223.8	221.6	219.4	216.8	218.1	218.1	219.4
45°	223.8	219.8	218.1	213.7	211.0	207.5	205.3	204.9	206.6	206.2	206.2
47.5°	206.2	204.9	202.7	198.7	195.2	193.0	192.6	192.6	194.3	195.2	194.8
50°	192.6	189.9	187.3	184.2	181.6	180.7	179.4	180.3	182.0	182.0	182.9
52.5°	175.4	173.7	172.8	170.1	168.4	168.4	168.4	168.8	170.1	171.5	171.0
55°	160.5	159.2	158.3	157.0	154.8	155.2	154.8	155.6	157.0	158.3	159.2
57.5°	144.6	144.2	143.3	141.1	141.1	140.7	142.0	142.4	144.6	145.5	146.8
60°	130.6	129.3	129.3	127.5	127.5	127.5	128.8	130.1	131.9	132.3	133.2
62.5°	115.6	115.6	115.2	113.9	113.9	115.2	115.6	117.4	118.3	118.3	119.6
65°	101.6	101.1	100.7	101.1	101.6	101.6	102.9	103.8	104.6	105.1	105.5
67.5°	87.5	87.1	87.9	87.5	88.4	90.1	89.7	91.0	92.3	92.3	92.8
70°	74.3	75.2	74.7	75.6	75.2	76.1	77.4	77.8	77.8	78.3	79.6
72.5°	62.0	62.0	62.0	61.6	62.0	62.9	63.8	64.2	65.1	65.5	66.8
75°	50.1	50.1	49.2	50.1	50.1	51.0	51.9	51.9	51.9	52.8	54.1
77.5°	37.8	38.3	37.8	38.7	38.7	39.1	40.0	39.6	40.4	40.9	41.3
80°	27.7	27.3	27.3	27.3	27.7	27.7	28.6	29.0	29.0	30.3	29.5
82.5°	17.6	18.0	17.6	18.0	18.0	18.5	18.0	18.5	18.9	19.8	19.3
85°	10.1	9.7	9.7	10.1	9.7	9.7	10.1	9.7	10.1	9.7	10.1
87.5°	4.0	3.5	3.5	3.5	3.5	3.1	3.1	2.6	2.6	2.6	2.2
90°	6.8	7.6	8.5	11.4	15.3	18.8	19.3	18.8	18.2	17.0	18.2
92.5°	23.9	27.0	30.1	45.5	67.1	86.4	87.5	73.3	57.4	48.9	42.6
95°	42.1	48.9	55.7	81.8	131.3	197.2	222.8	194.9	148.9	114.2	90.4
97.5°	56.8	64.5	72.2	105.7	174.5	280.8	363.2	366.0	304.6	243.2	185.8
100°	71.0	79.0	87.0	117.1	186.4	309.2	449.0	530.8	518.9	448.4	370.6
102.5°	84.1	92.0	100.0	127.3	187.0	298.4	451.8	592.2	659.3	657.0	605.3
105°	96.6	104.6	112.5	139.2	189.8	283.6	421.1	572.3	690.5	754.7	762.1
107.5°	109.1	117.0	125.0	151.2	196.1	275.6	392.7	530.3	657.0	752.5	808.2
110°	121.6	129.8	138.1	163.1	204.0	273.4	373.4	491.0	611.0	712.7	785.4

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	133.6	142.1	150.6	174.5	212.6	273.9	360.9	463.8	568.9	665.5	744.5
115°	146.6	154.3	162.0	186.4	221.1	276.2	352.4	442.2	535.9	623.5	697.9
117.5°	158.6	166.6	174.5	197.2	230.2	279.6	347.8	427.4	508.7	587.1	656.4
120°	170.5	178.4	186.4	208.6	239.3	283.0	343.8	416.0	489.3	559.8	620.1
122.5°	182.4	190.6	198.9	219.4	247.2	287.0	341.6	406.4	474.0	537.1	593.3
125°	193.8	201.8	209.7	230.2	255.7	291.0	338.7	397.3	459.2	517.8	567.8
127.5°	204.0	212.2	220.5	240.4	263.7	295.0	337.0	388.7	444.4	498.4	546.2
130°	213.7	221.6	229.6	249.5	271.1	299.5	335.9	380.2	430.2	479.1	524.0
132.5°	222.8	230.8	238.7	257.5	278.5	304.1	335.3	373.4	416.6	460.9	501.3
135°	230.7	238.7	246.7	264.8	284.7	307.5	334.7	367.1	404.1	441.6	479.1
137.5°	238.1	245.5	252.9	271.1	289.8	310.9	334.7	362.6	393.9	426.2	456.9
140°	244.4	251.8	259.2	276.2	293.8	313.2	334.2	358.6	384.2	411.5	437.6
142.5°	250.1	256.9	263.7	280.2	297.2	314.9	334.2	354.6	376.2	398.4	420.0
145°	256.3	262.6	268.8	284.2	300.1	316.0	333.0	351.2	368.8	387.6	405.2
147.5°	261.4	267.1	272.8	287.6	301.8	316.6	331.3	347.8	363.2	378.5	392.7
150°	266.5	271.6	276.8	289.8	302.9	316.0	329.6	343.3	356.9	369.4	381.4
152.5°	271.7	276.2	280.8	292.1	303.5	314.9	326.8	339.3	350.7	362.0	371.7
155°	276.2	280.4	284.7	294.4	304.1	313.7	323.4	334.2	345.0	354.1	362.6
157.5°	280.2	283.9	287.6	296.1	304.1	311.4	320.0	329.6	338.2	346.1	353.5
160°	284.2	287.3	290.4	297.2	304.1	309.7	316.6	324.5	331.9	338.2	344.4
162.5°	287.6	289.8	292.1	297.8	303.5	308.0	313.7	320.0	325.7	330.8	335.9
165°	289.8	291.6	293.3	298.4	302.4	305.8	309.7	314.9	319.4	323.4	327.4
167.5°	292.1	293.2	294.4	298.4	301.8	303.5	306.3	309.7	313.2	316.6	319.4
170°	293.3	294.2	295.0	297.8	300.6	301.8	303.5	305.8	308.6	310.3	312.6
172.5°	294.4	295.0	295.5	297.2	298.9	299.5	300.1	301.8	303.5	304.6	306.3
175°	295.0	295.2	295.5	296.7	297.8	297.2	297.8	298.4	300.1	300.6	301.2
177.5°	295.5	295.5	295.5	296.1	297.2	296.1	295.5	296.1	297.2	297.2	297.8
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	545.2	546.5	543.4	542.5	543.4	540.3	541.2	542.1	542.1	543.4	544.3
5°	513.5	511.8	508.7	507.8	506.9	508.2	507.4	508.7	509.1	512.2	512.6
7.5°	482.3	479.7	477.0	474.4	473.5	471.3	473.5	473.5	476.6	475.7	477.9
10°	445.4	444.9	441.4	440.1	438.3	434.8	439.7	438.3	440.5	444.5	445.4
12.5°	418.1	413.3	415.5	409.3	411.5	408.0	408.4	408.4	412.0	412.4	411.5
15°	392.2	388.2	382.5	379.9	378.5	376.8	382.5	382.9	380.3	386.5	384.3
17.5°	365.8	365.8	360.5	359.2	355.7	357.4	356.6	357.0	356.1	360.5	362.7
20°	342.9	340.7	339.0	339.4	335.0	334.1	333.3	334.1	337.2	340.3	341.2
22.5°	324.5	323.1	318.8	319.6	316.1	317.4	316.6	318.8	319.2	319.2	322.3
25°	306.9	305.1	305.6	303.8	302.5	302.5	301.2	302.5	304.2	305.1	305.6
27.5°	293.7	292.4	290.2	288.9	289.7	287.5	289.3	290.6	290.6	289.7	290.6
30°	277.9	278.7	278.7	274.3	276.1	275.2	276.5	277.4	277.4	277.9	277.0
32.5°	267.3	264.7	264.2	263.8	263.8	262.0	262.0	263.4	263.8	264.2	265.6
35°	253.2	253.2	251.0	252.4	250.6	251.0	250.6	251.0	251.9	250.6	251.9
37.5°	240.5	240.9	240.1	240.9	241.4	240.5	239.6	241.4	240.5	240.5	239.6
40°	229.5	229.1	229.5	229.5	229.5	229.9	229.1	229.1	229.1	228.2	227.3
42.5°	220.3	217.6	218.5	219.0	217.6	217.6	218.1	217.6	219.0	216.3	216.3
45°	207.1	206.2	206.6	206.6	207.5	206.2	207.1	207.5	206.2	205.8	204.9
47.5°	195.2	196.1	195.2	196.1	196.1	197.0	195.2	195.6	196.1	194.3	193.0
50°	183.3	183.3	184.7	184.2	184.7	183.8	183.8	183.3	183.8	182.9	181.6
52.5°	172.3	171.0	173.2	172.8	172.3	171.9	171.5	171.9	171.0	170.1	170.1
55°	158.7	158.7	160.0	160.5	160.5	159.6	158.7	159.2	158.7	158.3	157.8
57.5°	147.7	146.0	146.8	147.3	147.3	146.0	146.8	146.0	146.0	146.4	145.1
60°	133.7	133.7	132.8	134.1	134.1	133.2	133.2	133.7	132.8	132.3	131.9
62.5°	118.7	119.1	120.5	120.9	121.3	120.5	119.6	120.0	120.0	118.7	119.1
65°	106.0	106.8	108.6	108.2	107.3	107.7	106.8	107.3	106.0	106.4	105.1
67.5°	93.6	93.2	93.6	93.6	94.5	94.1	93.2	93.2	92.8	94.1	92.8
70°	80.5	80.5	80.5	80.5	80.9	81.3	80.5	79.6	80.0	79.1	78.7
72.5°	66.8	67.3	66.8	67.7	66.4	67.3	67.3	66.8	66.4	66.4	66.4
75°	54.1	55.0	53.6	54.1	53.6	54.5	54.1	54.1	53.2	52.8	53.2
77.5°	41.3	41.8	40.9	41.3	40.9	41.3	41.3	40.9	40.9	40.9	40.9
80°	29.5	29.9	29.5	29.0	28.6	29.5	28.6	29.0	29.5	29.0	29.9
82.5°	18.9	18.9	18.5	18.9	18.0	18.0	18.5	18.5	18.0	18.9	18.0
85°	9.2	9.2	10.1	9.2	8.8	8.8	8.8	9.2	8.8	9.7	9.2
87.5°	2.2	1.8	2.2	2.2	1.8	1.8	2.2	1.8	2.2	2.6	1.8
90°	18.5	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.5
92.5°	40.4	38.1	37.5	35.2	35.8	34.7	35.8	35.2	37.5	38.1	40.4
95°	84.2	77.9	70.5	65.9	64.2	64.8	64.2	65.9	70.5	77.9	84.2
97.5°	168.8	151.7	129.6	118.2	112.0	108.6	112.0	118.2	129.6	151.7	168.8
100°	336.2	301.8	254.6	230.2	213.7	203.5	213.7	230.2	254.6	301.8	336.2
102.5°	568.3	531.4	479.1	433.1	411.5	396.7	411.5	433.1	479.1	531.4	568.3
105°	752.8	743.4	708.1	672.9	648.5	640.5	648.5	672.9	708.1	743.4	752.8
107.5°	819.6	830.9	830.3	825.2	817.8	804.8	817.8	825.2	830.3	830.9	819.6
110°	808.7	832.0	856.5	867.3	872.4	871.8	872.4	867.3	856.5	832.0	808.7

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	772.0	799.6	836.0	855.9	866.7	870.7	866.7	855.9	836.0	799.6	772.0
115°	727.2	756.5	796.8	822.9	837.7	842.8	837.7	822.9	796.8	756.5	727.2
117.5°	684.2	712.1	753.6	781.5	796.8	800.8	796.8	781.5	753.6	712.1	684.2
120°	646.0	671.8	711.6	738.3	754.7	760.4	754.7	738.3	711.6	671.8	646.0
122.5°	616.0	638.8	673.5	699.6	713.8	718.4	713.8	699.6	673.5	638.8	616.0
125°	589.1	610.4	643.4	664.9	679.2	683.7	679.2	664.9	643.4	610.4	589.1
127.5°	566.1	586.0	614.9	635.4	647.9	651.3	647.9	635.4	614.9	586.0	566.1
130°	542.8	561.5	589.4	608.7	620.1	624.6	620.1	608.7	589.4	561.5	542.8
132.5°	518.6	535.9	563.2	582.5	592.8	596.7	592.8	582.5	563.2	535.9	518.6
135°	495.0	510.9	535.4	554.1	564.4	566.6	564.4	554.1	535.4	510.9	495.0
137.5°	471.2	485.4	508.7	525.1	534.2	537.6	534.2	525.1	508.7	485.4	471.2
140°	450.1	462.6	480.8	495.6	504.1	507.5	504.1	495.6	480.8	462.6	450.1
142.5°	430.0	439.9	456.9	470.0	477.4	477.4	477.4	470.0	456.9	439.9	430.0
145°	413.4	421.7	435.3	445.0	450.7	452.4	450.7	445.0	435.3	421.7	413.4
147.5°	399.0	405.2	417.2	425.1	429.1	430.2	429.1	425.1	417.2	405.2	399.0
150°	386.5	391.6	400.1	406.9	410.3	410.9	410.3	406.9	400.1	391.6	386.5
152.5°	376.0	380.2	386.5	392.1	394.4	394.4	394.4	392.1	386.5	380.2	376.0
155°	365.7	368.8	375.1	379.1	381.4	380.2	381.4	379.1	375.1	368.8	365.7
157.5°	356.0	358.6	363.2	366.6	367.7	367.7	367.7	366.6	363.2	358.6	356.0
160°	346.4	348.4	352.4	355.2	355.8	355.8	355.8	355.2	352.4	348.4	346.4
162.5°	337.3	338.7	342.7	344.4	345.0	344.4	345.0	344.4	342.7	338.7	337.3
165°	328.5	329.6	331.9	334.2	334.2	333.6	334.2	334.2	331.9	329.6	328.5
167.5°	320.5	321.7	322.8	323.9	323.9	323.4	323.9	323.9	322.8	321.7	320.5
170°	313.2	313.7	314.3	316.0	315.4	314.3	315.4	316.0	314.3	313.7	313.2
172.5°	306.6	306.9	307.5	308.0	307.5	306.9	307.5	308.0	307.5	306.9	306.6
175°	301.5	301.8	301.8	302.4	301.8	300.6	301.8	302.4	301.8	301.8	301.5
177.5°	297.8	297.8	297.8	297.8	297.2	296.1	297.2	297.8	297.8	297.8	297.8
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	543.0	546.5	545.2	540.3	546.1	546.1	550.0	550.0	554.9	556.6	559.2
5°	512.2	514.8	517.0	514.8	518.8	525.0	528.5	531.5	538.1	540.8	544.7
7.5°	479.2	484.1	486.3	486.3	492.9	499.9	506.9	511.3	520.6	524.1	528.0
10°	447.1	452.8	457.2	456.8	467.8	472.2	481.0	491.1	500.3	505.6	511.3
12.5°	413.3	416.4	422.5	431.3	433.9	441.9	452.0	464.7	481.4	486.3	494.6
15°	385.1	393.5	398.3	402.3	408.4	415.9	426.9	439.2	455.9	466.5	475.3
17.5°	361.4	372.4	375.5	374.6	382.5	393.9	406.7	415.9	430.9	443.6	452.0
20°	342.1	346.5	351.7	353.9	360.1	372.4	384.7	395.3	407.6	417.7	427.3
22.5°	322.7	326.2	330.6	334.6	339.4	346.5	358.3	371.5	383.4	393.1	404.0
25°	306.9	309.1	313.0	316.1	321.4	326.2	334.6	349.1	363.2	368.9	378.5
27.5°	291.5	293.3	295.9	299.4	302.0	306.9	314.4	326.2	340.7	346.5	359.6
30°	277.9	279.2	281.8	283.6	284.9	290.6	296.3	305.6	316.6	324.5	334.1
32.5°	265.1	266.4	269.1	269.5	271.3	274.3	279.6	288.0	297.6	304.2	312.6
35°	251.0	251.9	254.6	255.4	256.8	259.4	263.4	269.5	278.3	283.1	290.6
37.5°	240.1	239.6	241.4	242.7	244.5	245.8	247.1	253.2	259.8	264.2	270.0
40°	228.2	227.3	227.7	229.5	230.4	232.1	232.1	238.3	242.7	246.2	250.6
42.5°	216.3	215.9	215.0	215.9	216.8	217.2	217.6	222.0	226.4	229.5	234.3
45°	204.4	204.0	203.1	203.6	203.6	204.4	205.8	207.5	210.6	213.2	215.9
47.5°	193.5	192.6	191.3	190.8	191.7	191.7	191.7	193.5	196.5	197.4	200.0
50°	182.0	180.7	178.9	178.1	178.1	177.6	178.5	178.9	181.6	182.5	184.7
52.5°	169.7	168.8	167.1	165.3	165.8	164.9	165.3	165.8	166.6	167.9	169.3
55°	157.4	155.6	154.3	153.9	152.6	152.6	151.2	153.0	152.6	153.0	154.8
57.5°	145.5	143.8	141.6	140.7	139.4	138.9	138.1	137.6	138.1	139.4	140.7
60°	131.5	130.6	129.3	127.9	127.1	125.7	124.9	124.9	124.4	124.4	124.9
62.5°	117.8	117.4	115.6	115.2	114.3	113.4	112.1	111.2	111.2	112.1	112.6
65°	104.6	104.2	102.9	102.4	100.2	99.4	98.9	98.5	97.6	97.6	97.6
67.5°	92.3	91.0	91.0	88.8	87.1	86.2	85.3	84.9	84.9	84.9	85.3
70°	78.7	78.7	77.4	76.1	74.3	74.7	73.4	72.1	72.1	71.2	71.7
72.5°	65.5	65.1	63.8	63.3	62.0	60.7	59.8	60.7	59.4	58.9	59.4
75°	52.8	52.3	51.4	50.6	51.0	49.7	48.4	47.9	47.9	47.0	47.0
77.5°	40.4	41.3	39.6	39.1	38.3	37.4	36.9	36.5	36.5	36.5	37.4
80°	28.1	28.6	28.6	27.7	28.1	26.8	26.8	26.8	25.5	25.9	26.4
82.5°	18.0	18.0	17.6	18.0	17.6	17.6	17.1	17.1	16.7	16.7	17.1
85°	10.1	9.7	9.2	10.1	9.7	9.7	9.2	9.2	9.2	9.2	9.2
87.5°	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5
90°	18.2	17.0	18.2	18.8	19.3	18.8	15.3	11.4	8.5	7.6	6.8
92.5°	42.6	48.9	57.4	73.3	87.5	86.4	67.1	45.5	30.1	27.0	23.9
95°	90.4	114.2	148.9	194.9	222.8	197.2	131.3	81.8	55.7	48.9	42.1
97.5°	185.8	243.2	304.6	366.0	363.2	280.8	174.5	105.7	72.2	64.5	56.8
100°	370.6	448.4	518.9	530.8	449.0	309.2	186.4	117.1	87.0	79.0	71.0
102.5°	605.3	657.0	659.3	592.2	451.8	298.4	187.0	127.3	100.0	92.0	84.1
105°	762.1	754.7	690.5	572.3	421.1	283.6	189.8	139.2	112.5	104.6	96.6
107.5°	808.2	752.5	657.0	530.3	392.7	275.6	196.1	151.2	125.0	117.0	109.1
110°	785.4	712.7	611.0	491.0	373.4	273.4	204.0	163.1	138.1	129.8	121.6

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	744.5	665.5	568.9	463.8	360.9	273.9	212.6	174.5	150.6	142.1	133.6
115°	697.9	623.5	535.9	442.2	352.4	276.2	221.1	186.4	162.0	154.3	146.6
117.5°	656.4	587.1	508.7	427.4	347.8	279.6	230.2	197.2	174.5	166.6	158.6
120°	620.1	559.8	489.3	416.0	343.8	283.0	239.3	208.6	186.4	178.4	170.5
122.5°	593.3	537.1	474.0	406.4	341.6	287.0	247.2	219.4	198.9	190.6	182.4
125°	567.8	517.8	459.2	397.3	338.7	291.0	255.7	230.2	209.7	201.8	193.8
127.5°	546.2	498.4	444.4	388.7	337.0	295.0	263.7	240.4	220.5	212.2	204.0
130°	524.0	479.1	430.2	380.2	335.9	299.5	271.1	249.5	229.6	221.6	213.7
132.5°	501.3	460.9	416.6	373.4	335.3	304.1	278.5	257.5	238.7	230.8	222.8
135°	479.1	441.6	404.1	367.1	334.7	307.5	284.7	264.8	246.7	238.7	230.7
137.5°	456.9	426.2	393.9	362.6	334.7	310.9	289.8	271.1	252.9	245.5	238.1
140°	437.6	411.5	384.2	358.6	334.2	313.2	293.8	276.2	259.2	251.8	244.4
142.5°	420.0	398.4	376.2	354.6	334.2	314.9	297.2	280.2	263.7	256.9	250.1
145°	405.2	387.6	368.8	351.2	333.0	316.0	300.1	284.2	268.8	262.6	256.3
147.5°	392.7	378.5	363.2	347.8	331.3	316.6	301.8	287.6	272.8	267.1	261.4
150°	381.4	369.4	356.9	343.3	329.6	316.0	302.9	289.8	276.8	271.6	266.5
152.5°	371.7	362.0	350.7	339.3	326.8	314.9	303.5	292.1	280.8	276.2	271.7
155°	362.6	354.1	345.0	334.2	323.4	313.7	304.1	294.4	284.7	280.4	276.2
157.5°	353.5	346.1	338.2	329.6	320.0	311.4	304.1	296.1	287.6	283.9	280.2
160°	344.4	338.2	331.9	324.5	316.6	309.7	304.1	297.2	290.4	287.3	284.2
162.5°	335.9	330.8	325.7	320.0	313.7	308.0	303.5	297.8	292.1	289.8	287.6
165°	327.4	323.4	319.4	314.9	309.7	305.8	302.4	298.4	293.3	291.6	289.8
167.5°	319.4	316.6	313.2	309.7	306.3	303.5	301.8	298.4	294.4	293.2	292.1
170°	312.6	310.3	308.6	305.8	303.5	301.8	300.6	297.8	295.0	294.2	293.3
172.5°	306.3	304.6	303.5	301.8	300.1	299.5	298.9	297.2	295.5	295.0	294.4
175°	301.2	300.6	300.1	298.4	297.8	297.2	297.8	296.7	295.5	295.2	295.0
177.5°	297.8	297.2	297.2	296.1	295.5	296.1	297.2	296.1	295.5	295.5	295.5
180°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	572.0	572.0	572.0	572.0
2.5°	561.4	561.4	568.0	575.1
5°	549.1	552.2	562.8	572.4
7.5°	537.3	542.5	555.7	568.0
10°	522.8	529.8	546.1	560.6
12.5°	508.7	515.3	534.2	550.5
15°	488.9	497.3	517.5	537.7
17.5°	469.1	477.5	502.1	525.8
20°	445.8	456.8	484.5	516.2
22.5°	424.3	437.9	468.7	494.2
25°	400.5	421.6	450.2	483.2
27.5°	379.4	400.5	429.5	463.0
30°	355.7	377.2	407.1	437.9
32.5°	332.8	352.6	381.6	419.4
35°	309.1	328.0	356.1	394.4
37.5°	287.5	306.0	336.8	372.0
40°	266.4	285.8	312.2	347.3
42.5°	246.6	263.8	287.5	322.7
45°	228.6	240.9	262.9	295.9
47.5°	209.7	220.7	240.9	273.9
50°	192.1	201.4	219.0	249.7
52.5°	175.0	182.9	199.2	223.8
55°	159.6	167.1	178.9	203.1
57.5°	143.8	149.5	160.9	180.3
60°	128.4	133.7	142.9	158.7
62.5°	113.0	117.4	126.2	138.9
65°	99.4	102.9	109.5	120.5
67.5°	86.2	88.4	93.6	102.4
70°	73.4	75.2	79.6	86.6
72.5°	59.8	61.6	66.4	71.2
75°	48.4	48.8	52.3	56.3
77.5°	37.8	37.4	40.0	43.1
80°	25.9	27.3	29.5	30.8
82.5°	17.6	18.0	18.9	19.8
85°	9.7	10.1	10.1	11.4
87.5°	4.0	4.4	4.4	4.8
90°	5.7	4.5	2.3	0.6
92.5°	19.3	16.5	11.9	8.5
95°	33.0	27.8	22.2	19.9
97.5°	46.6	39.2	33.0	29.6
100°	59.7	50.6	45.5	43.8
102.5°	72.2	63.1	58.0	56.8
105°	84.1	75.6	71.6	69.3
107.5°	96.6	88.7	84.7	83.0
110°	109.7	102.3	98.9	96.6

TEST NUMBER: P1008882

CATALOG NUMBER: S122DIP-B290D530UB40-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	122.2	115.4	111.4	109.1
115°	135.3	128.4	125.0	122.2
117.5°	147.8	141.5	138.1	135.8
120°	159.1	154.0	150.6	148.3
122.5°	171.1	165.4	162.0	160.3
125°	182.4	175.6	172.2	170.5
127.5°	193.2	185.8	181.3	179.0
130°	202.3	194.4	188.7	186.4
132.5°	210.9	202.3	196.1	193.2
135°	217.7	209.1	202.3	200.1
137.5°	225.1	216.0	209.1	206.3
140°	231.9	222.8	216.0	213.7
142.5°	238.1	229.0	222.8	221.1
145°	245.0	236.4	230.7	228.5
147.5°	251.8	243.8	238.1	236.4
150°	258.0	250.6	246.1	244.4
152.5°	263.7	257.5	252.9	252.3
155°	270.0	263.7	260.3	259.7
157.5°	275.1	269.4	266.5	266.0
160°	279.6	275.1	272.8	272.2
162.5°	283.6	280.2	277.9	278.5
165°	287.0	283.6	282.5	283.0
167.5°	289.8	287.6	286.4	287.0
170°	292.1	290.4	289.8	291.0
172.5°	293.8	292.1	292.7	293.3
175°	295.0	293.8	294.4	295.0
177.5°	295.5	294.4	295.0	296.1
180°	295.5	295.5	295.5	295.5

(END OF REPORT)