

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: P1008980

Luminaire Tested: S122DIP-B290D925UB50-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008980
REPORT IS A COMBINATION OF REPORTS P984110 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B290D925UB50-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

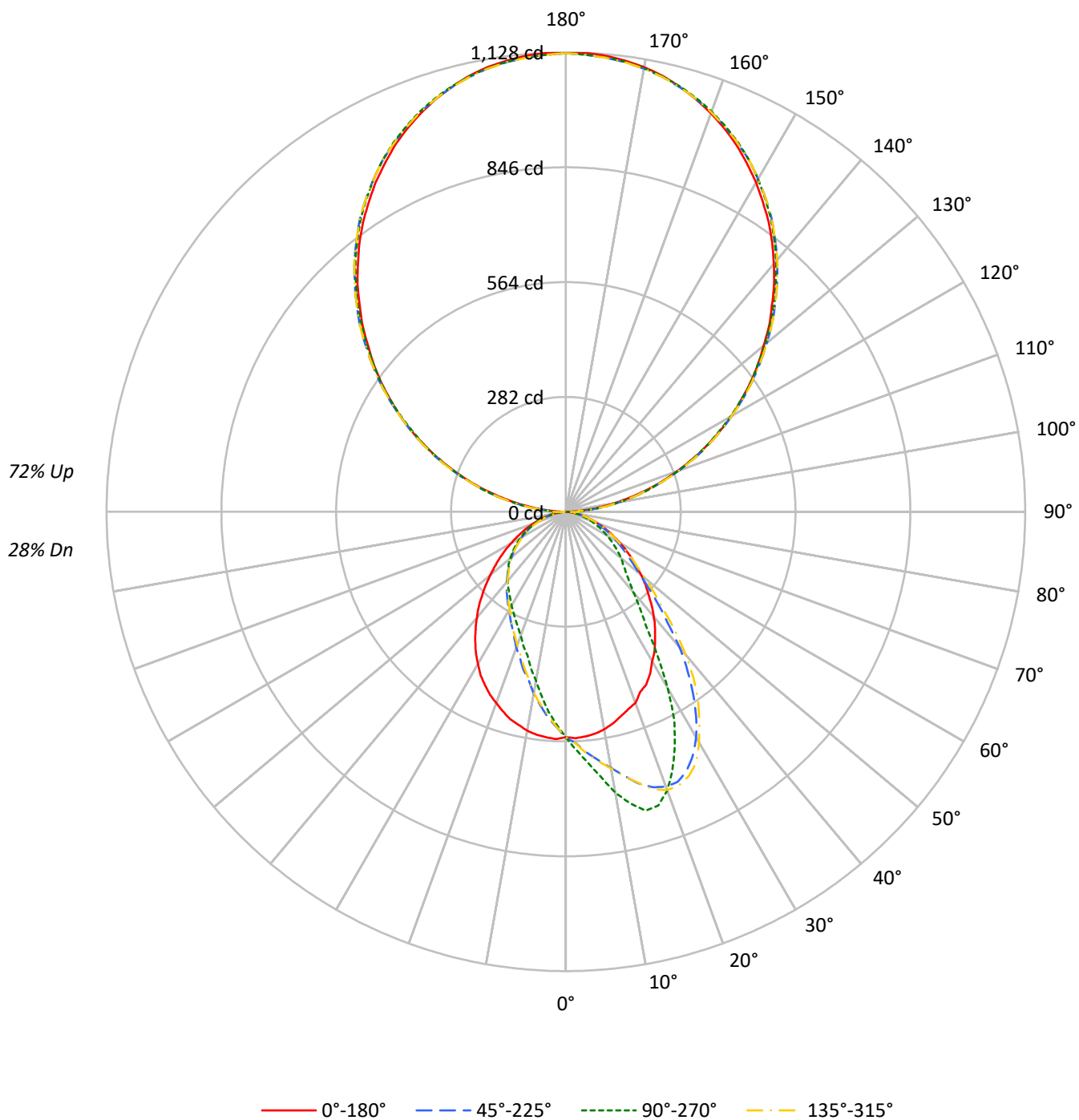
Lumens per Lamp: N/A
Luminaire Lumens: 4372.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

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	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36
1	93	89	85	82	83	80	77	74	63	61	59	47	45	44	32	31	31
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	29	27	26
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	24	23
4	71	61	53	48	63	55	48	44	43	39	35	33	30	27	23	21	20
5	65	54	47	41	58	49	42	37	39	34	31	30	26	24	21	19	17
6	60	49	41	35	54	44	37	32	35	30	27	27	23	21	19	17	15
7	55	44	36	31	50	40	33	28	32	27	23	24	21	19	17	15	14
8	51	40	32	27	46	36	30	25	29	24	21	22	19	17	16	14	12
9	48	36	29	24	43	33	27	22	26	22	19	20	17	15	15	13	11
10	45	33	26	22	40	30	24	20	24	20	17	19	16	13	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8760	8760	8760	8760
5°	8781	9341	8815	7431
10°	8680	10197	8734	6127
15°	8468	10755	8587	5160
20°	8337	10098	8337	4486
25°	8071	8676	8107	4012
30°	7634	6819	7780	3633
35°	7247	4716	7367	3324
40°	6800	3561	6879	3078
45°	6253	2926	6355	2812
50°	5778	2568	5787	2574
55°	5236	2188	5271	2316
60°	4661	1828	4725	2021
65°	4145	1487	4220	1726
70°	3629	1166	3720	1392
75°	3043	846	3166	1009
80°	2379	536	2547	599
85°	1568	270	1681	200

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9055 cd/sqm

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	1.2
10°-20°	153.4	3.5
20°-30°	222.7	5.1
30°-40°	234.7	5.4
40°-50°	207.7	4.8
50°-60°	165.9	3.8
60°-70°	112.7	2.6
70°-80°	57.6	1.3
80°-90°	16.8	0.4
90°-100°	69.7	1.6
100°-110°	221.4	5.1
110°-120°	378.9	8.7
120°-130°	498.3	11.4
130°-140°	559.3	12.8
140°-150°	548.5	12.5
150°-160°	460.1	10.5
160°-170°	305.1	7.0
170°-180°	106.6	2.4
0°-30°	428.8	9.8
0°-40°	663.5	15.2
0°-60°	1037.1	23.7
0°-90°	1224.2	28.0
90°-120°	670.0	15.3
90°-150°	2276.0	52.1
90°-180°	3148.0	72.0
0°-180°	4372.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	553	553	553	553	553	
5°	554	618	556	492	554	53
15°	520	760	528	364	520	147
25°	468	633	470	293	468	214
35°	382	345	388	243	382	239
45°	286	208	291	200	286	222
55°	196	146	198	154	196	175
65°	117	90	119	104	117	116
75°	54	44	57	53	54	58
85°	11	12	12	8	11	13
90°	1	32	1	32	1	4
95°	49	59	49	59	49	55
105°	204	211	204	211	204	216
115°	380	380	380	380	380	376
125°	553	555	553	555	553	494
135°	715	724	715	724	715	553
145°	868	878	868	878	868	543
155°	993	1000	993	1000	993	457
165°	1080	1081	1080	1081	1080	305
175°	1124	1120	1124	1120	1124	107
180°	1126	1126	1126	1126	1126	

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	556.4	557.7	559.8	560.2	564.5	567.9	571.7	571.7	573.0	572.6	569.2
5°	553.8	557.7	563.2	567.9	575.5	578.9	584.0	587.9	591.3	593.8	593.4
7.5°	549.6	556.4	564.5	573.4	583.6	589.6	596.8	603.6	608.3	612.5	615.5
10°	542.4	553.8	564.9	576.8	590.0	598.1	606.6	615.5	622.8	630.8	638.5
12.5°	532.6	549.2	562.8	578.5	594.7	603.6	617.2	624.0	638.1	658.5	664.0
15°	520.2	542.8	555.5	575.5	596.8	604.0	622.8	633.8	662.7	675.5	690.8
17.5°	508.7	533.8	550.9	573.8	594.7	608.7	627.0	649.5	673.8	692.1	709.1
20°	499.4	523.6	544.1	569.6	596.0	613.8	633.0	660.2	686.6	705.3	718.5
22.5°	478.1	509.2	533.0	561.5	593.4	618.1	636.4	666.1	694.6	706.1	717.6
25°	467.5	494.3	521.9	554.3	591.7	621.0	636.8	670.0	695.1	699.3	701.9
27.5°	447.9	478.1	510.5	547.5	591.3	615.9	635.9	666.1	686.1	683.2	675.5
30°	423.7	460.7	496.4	536.4	585.3	612.1	630.8	658.5	668.7	653.4	639.8
32.5°	405.8	440.7	480.2	526.6	578.5	604.0	622.3	644.0	646.1	618.5	595.5
35°	381.6	420.3	464.9	513.9	567.0	590.0	607.0	620.2	610.0	571.3	544.1
37.5°	359.9	398.2	445.8	495.6	551.3	573.8	587.4	589.6	564.5	530.4	490.5
40°	336.0	375.6	425.4	477.7	533.8	553.4	561.9	555.5	519.4	479.8	433.5
42.5°	312.2	351.4	405.0	458.6	511.7	528.3	531.7	514.3	470.0	423.7	370.1
45°	286.3	327.1	380.7	434.7	486.2	495.6	496.0	470.9	418.6	370.1	320.3
47.5°	265.0	302.9	356.0	410.1	453.5	459.8	457.3	428.4	371.4	316.9	273.5
50°	241.6	277.8	330.5	383.7	420.7	422.4	416.0	374.8	319.0	269.3	234.8
52.5°	216.5	253.1	301.6	352.6	385.8	383.3	370.9	326.7	274.4	233.1	206.7
55°	196.5	228.9	274.4	324.1	347.5	340.3	326.7	281.6	240.3	205.5	182.5
57.5°	174.4	202.9	247.6	291.0	304.6	297.8	284.2	242.0	203.8	177.4	162.1
60°	153.6	179.5	218.6	254.8	265.4	258.2	242.5	204.6	177.0	154.8	143.4
62.5°	134.4	157.0	189.7	222.9	227.2	219.9	206.3	175.7	151.9	134.4	125.9
65°	116.6	137.8	164.2	189.3	193.1	185.5	171.4	149.3	129.3	118.3	110.2
67.5°	99.1	116.1	139.5	157.8	159.9	152.7	141.2	123.4	111.0	99.1	93.2
70°	83.8	96.6	114.9	129.7	130.6	123.8	117.8	101.7	92.3	83.8	79.1
72.5°	68.9	77.8	91.9	102.9	103.4	99.1	93.6	83.4	75.3	69.3	64.7
75°	54.4	62.1	70.6	80.4	80.0	76.6	72.3	65.9	59.1	55.3	53.2
77.5°	41.7	46.4	53.2	59.6	59.6	57.9	55.3	50.6	46.4	42.5	40.4
80°	29.8	32.8	38.3	40.4	41.3	40.8	38.7	35.3	33.6	30.6	29.8
82.5°	19.1	21.3	23.8	25.9	27.2	26.4	25.9	24.2	21.7	20.8	20.0
85°	11.1	11.9	13.2	14.5	14.9	14.5	15.3	14.0	12.8	12.8	12.3
87.5°	4.7	5.1	6.0	6.0	6.4	6.4	6.0	6.4	6.4	6.0	5.5
90°	1.0	3.5	6.1	8.6	11.1	12.4	14.7	19.4	24.0	28.7	33.3
92.5°	20.9	22.6	24.3	26.0	27.7	28.5	28.6	28.8	29.1	29.3	29.5
95°	49.4	51.5	53.6	55.7	57.8	58.9	59.1	59.5	60.0	60.4	60.8
97.5°	82.7	84.6	86.5	88.4	90.3	91.2	91.6	92.5	93.3	94.2	95.0
100°	120.7	122.4	124.1	125.8	127.5	128.3	128.6	129.2	129.9	130.5	131.1
102.5°	160.6	161.9	163.1	164.4	165.7	166.3	166.7	167.6	168.4	169.3	170.1
105°	204.3	204.9	205.5	206.2	206.8	207.1	207.3	207.7	208.2	208.6	209.0
107.5°	248.0	248.8	249.7	250.5	251.4	251.8	251.8	251.8	251.8	251.8	251.8
110°	289.8	291.1	292.3	293.6	294.9	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	335.4	336.7	337.9	339.2	340.5	341.1	341.0	340.8	340.5	340.3	340.1
115°	380.0	381.3	382.6	383.9	385.2	385.8	385.6	385.2	384.7	384.3	383.9
117.5°	424.7	426.4	428.1	429.8	431.5	432.3	431.8	430.7	429.7	428.6	427.6
120°	469.4	471.1	472.8	474.5	476.2	477.0	476.2	474.5	472.8	471.1	469.4
122.5°	510.2	512.3	514.4	516.5	518.6	519.7	519.2	518.1	517.1	516.0	515.0
125°	553.0	554.9	556.8	558.7	560.6	561.5	561.2	560.6	559.9	559.3	558.7
127.5°	594.8	597.1	599.4	601.7	604.0	605.2	604.8	603.9	603.1	602.2	601.4
130°	633.7	636.5	639.2	642.0	644.7	646.1	645.9	645.5	645.0	644.6	644.2
132.5°	677.4	679.5	681.6	683.7	685.8	686.9	687.0	687.2	687.5	687.7	687.9
135°	715.4	717.7	720.1	722.4	724.7	725.9	726.1	726.5	727.0	727.4	727.8
137.5°	757.2	759.1	761.0	762.9	764.8	765.8	766.0	766.4	766.9	767.3	767.7
140°	794.3	796.2	798.1	800.0	801.9	802.9	803.4	804.5	805.5	806.6	807.6
142.5°	832.3	834.2	836.1	838.0	839.9	840.9	841.2	841.8	842.5	843.1	843.7
145°	868.4	869.9	871.4	872.9	874.4	875.1	875.7	877.0	878.3	879.5	880.8
147.5°	900.7	902.6	904.5	906.4	908.3	909.3	909.7	910.6	911.4	912.3	913.1
150°	934.0	935.3	936.5	937.8	939.1	939.7	940.1	941.0	941.8	942.7	943.5
152.5°	963.4	964.7	965.9	967.2	968.5	969.1	969.6	970.7	971.8	972.8	973.9
155°	992.9	993.5	994.1	994.8	995.4	995.7	996.0	996.7	997.3	998.0	998.6
157.5°	1018.5	1018.9	1019.3	1019.8	1020.2	1020.4	1020.6	1021.0	1021.5	1021.9	1022.3
160°	1041.3	1041.7	1042.1	1042.6	1043.0	1043.2	1043.3	1043.5	1043.8	1044.0	1044.2
162.5°	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.3	1062.5	1062.8	1063.0	1063.2
165°	1080.3	1080.1	1079.9	1079.6	1079.4	1079.3	1079.3	1079.3	1079.3	1079.3	1079.3
167.5°	1096.4	1095.8	1095.2	1094.5	1093.9	1093.6	1093.6	1093.6	1093.6	1093.6	1093.6
170°	1108.8	1108.2	1107.5	1106.9	1106.2	1105.9	1105.8	1105.6	1105.4	1105.2	1105.0
172.5°	1117.3	1116.7	1116.1	1115.4	1114.8	1114.5	1114.4	1114.2	1113.9	1113.7	1113.5
175°	1124.0	1123.4	1122.7	1122.1	1121.4	1121.1	1120.9	1120.5	1120.0	1119.6	1119.2
177.5°	1127.8	1127.2	1126.5	1125.9	1125.2	1124.9	1124.7	1124.3	1123.8	1123.4	1123.0
180°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	575.1	575.5	576.4	580.6	582.8	583.2	581.5	585.3	586.6	585.3	584.5
5°	602.3	604.9	610.0	615.5	615.1	615.5	618.1	620.6	621.5	618.1	619.3
7.5°	626.2	631.3	636.8	645.3	645.3	649.5	651.3	653.4	658.5	655.9	655.1
10°	653.4	660.2	670.4	684.0	684.4	688.7	692.9	699.7	701.9	700.2	701.0
12.5°	687.4	700.6	701.4	716.3	723.1	724.0	730.8	729.5	733.8	733.8	741.0
15°	702.3	722.7	734.2	748.7	752.9	747.8	753.3	759.3	759.7	759.7	759.3
17.5°	729.1	737.2	748.7	756.3	758.0	758.0	758.4	761.0	759.3	755.9	758.4
20°	734.6	738.0	742.3	741.4	742.3	738.0	733.8	729.5	729.9	727.8	734.2
22.5°	724.4	723.6	713.8	707.4	707.4	698.9	690.8	687.0	683.2	684.4	686.6
25°	698.9	685.7	673.8	664.4	662.3	648.7	637.6	634.2	627.9	633.0	633.8
27.5°	658.1	643.2	624.0	615.9	604.9	599.4	591.7	581.5	568.3	576.0	574.7
30°	614.2	592.1	576.4	556.8	539.4	538.1	523.6	506.6	499.8	499.8	503.6
32.5°	565.3	536.0	513.0	485.4	468.3	461.1	443.7	426.7	430.5	417.7	422.4
35°	508.3	469.6	440.7	413.9	401.1	392.6	370.1	360.7	350.5	344.6	355.6
37.5°	453.9	409.2	372.2	342.9	338.2	322.9	307.5	301.6	295.6	298.2	297.8
40°	387.5	348.0	314.8	291.8	283.7	276.5	266.3	259.1	255.2	257.4	257.8
42.5°	327.5	294.4	269.7	253.5	246.7	241.6	236.5	230.6	229.3	229.3	231.0
45°	281.2	253.9	237.4	224.2	220.3	216.5	212.7	210.1	209.3	207.6	208.9
47.5°	244.2	222.5	212.3	202.5	198.2	197.4	194.0	192.7	191.0	190.6	191.0
50°	213.1	199.5	190.1	184.6	181.6	180.4	178.7	176.1	175.3	177.4	176.5
52.5°	191.4	178.7	173.6	168.0	166.3	164.6	162.1	162.5	162.1	161.2	161.2
55°	169.7	161.6	156.5	152.3	151.9	150.2	148.0	147.2	146.8	145.9	147.2
57.5°	152.3	145.9	141.2	137.4	135.7	135.7	133.6	131.9	131.9	131.4	131.9
60°	134.8	128.5	125.5	121.7	120.4	120.0	118.7	117.8	116.6	116.6	116.6
62.5°	118.7	113.6	110.2	106.8	107.2	105.1	103.4	102.5	102.5	102.9	102.9
65°	103.4	100.0	95.7	92.7	91.9	91.5	90.6	90.2	88.9	89.8	89.8
67.5°	89.3	84.6	82.1	80.8	79.5	79.1	78.3	77.4	77.0	76.6	77.4
70°	75.3	71.5	69.3	68.5	67.2	66.8	66.4	65.1	65.5	65.9	66.4
72.5°	62.5	59.1	58.7	56.1	56.1	56.1	54.4	55.3	54.9	54.0	54.9
75°	49.3	47.6	46.8	45.5	45.9	45.5	45.1	43.8	43.8	44.2	44.7
77.5°	39.1	37.4	37.0	35.7	34.9	35.7	34.9	34.5	34.5	34.9	34.9
80°	28.9	28.1	26.8	26.8	26.8	26.4	26.4	26.4	25.9	25.5	25.9
82.5°	19.1	19.1	18.7	18.3	18.7	17.9	18.3	18.3	18.3	18.3	18.3
85°	12.3	11.9	11.9	11.5	11.5	11.5	11.9	11.1	11.1	11.5	11.5
87.5°	5.5	5.5	5.5	6.0	5.5	5.5	5.5	6.0	5.5	5.5	5.5
90°	32.9	32.5	32.0	31.6	31.4	31.5	31.7	31.9	32.1	32.3	32.1
92.5°	29.7	29.9	30.1	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4
95°	60.8	60.8	60.8	60.8	60.8	60.6	60.2	59.7	59.3	58.9	59.3
97.5°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
100°	131.1	131.1	131.1	131.1	131.1	131.0	130.8	130.6	130.4	130.2	130.4
102.5°	170.3	170.5	170.7	170.9	171.0	170.9	170.7	170.5	170.3	170.1	170.3
105°	209.4	209.8	210.3	210.7	210.9	210.9	210.9	210.9	210.9	210.9	210.9
107.5°	252.0	252.2	252.4	252.6	252.7	252.2	251.1	250.1	249.0	248.0	249.0
110°	295.5	295.5	295.5	295.5	295.5	295.2	294.5	293.9	293.2	292.6	293.2

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	339.5	338.9	338.2	337.6	337.3	337.1	336.7	336.2	335.8	335.4	335.8
115°	383.7	383.5	383.2	383.0	382.9	382.6	381.9	381.3	380.6	380.0	380.6
117.5°	427.0	426.3	425.7	425.0	424.7	424.4	423.8	423.1	422.5	421.9	422.5
120°	469.4	469.4	469.4	469.4	469.4	469.1	468.4	467.8	467.1	466.5	467.1
122.5°	514.4	513.7	513.1	512.4	512.1	511.9	511.5	511.0	510.6	510.2	510.6
125°	558.1	557.4	556.8	556.1	555.8	555.7	555.5	555.3	555.1	554.9	555.1
127.5°	600.6	599.7	598.9	598.0	597.6	597.3	596.7	596.0	595.4	594.8	595.4
130°	643.8	643.4	642.9	642.5	642.3	641.9	641.0	640.2	639.3	638.5	639.3
132.5°	686.8	685.8	684.7	683.6	683.1	682.8	682.2	681.5	680.9	680.3	680.9
135°	727.6	727.4	727.1	726.9	726.8	726.5	725.9	725.2	724.6	724.0	724.6
137.5°	767.5	767.3	767.1	766.9	766.8	766.4	765.5	764.6	763.8	762.9	763.8
140°	807.6	807.6	807.6	807.6	807.6	807.2	806.3	805.5	804.6	803.8	804.6
142.5°	843.9	844.1	844.4	844.6	844.7	844.3	843.4	842.6	841.7	840.9	841.7
145°	881.0	881.2	881.4	881.6	881.7	881.3	880.4	879.6	878.7	877.9	878.7
147.5°	913.5	913.9	914.4	914.8	915.0	914.6	913.7	912.9	912.0	911.2	912.0
150°	944.1	944.7	945.4	946.0	946.3	946.0	945.4	944.7	944.1	943.5	944.1
152.5°	974.7	975.6	976.4	977.3	977.7	977.3	976.4	975.6	974.7	973.9	974.7
155°	999.6	1000.7	1001.7	1002.8	1003.3	1003.0	1002.4	1001.7	1001.1	1000.5	1001.1
157.5°	1023.8	1025.3	1026.8	1028.3	1029.0	1028.5	1027.4	1026.3	1025.3	1024.2	1025.3
160°	1045.5	1046.7	1048.0	1049.3	1049.9	1049.5	1048.6	1047.8	1046.9	1046.1	1046.9
162.5°	1064.7	1066.1	1067.6	1069.1	1069.8	1069.3	1068.2	1067.2	1066.1	1065.1	1066.1
165°	1080.8	1082.3	1083.8	1085.3	1086.0	1085.5	1084.4	1083.3	1082.3	1081.2	1082.3
167.5°	1095.1	1096.5	1098.0	1099.5	1100.2	1099.7	1098.6	1097.6	1096.5	1095.5	1096.5
170°	1106.5	1107.9	1109.4	1110.9	1111.6	1111.0	1109.7	1108.4	1107.2	1105.9	1107.2
172.5°	1115.0	1116.5	1118.0	1119.5	1120.2	1119.6	1118.3	1117.0	1115.8	1114.5	1115.8
175°	1120.7	1122.2	1123.7	1125.2	1125.9	1125.3	1124.0	1122.7	1121.5	1120.2	1121.5
177.5°	1124.3	1125.5	1126.8	1128.1	1128.7	1128.1	1126.8	1125.5	1124.3	1123.0	1124.3
180°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	586.6	583.6	581.1	581.5	583.6	581.9	577.7	572.1	570.0	567.5	570.0
5°	621.9	619.3	614.2	614.7	613.4	611.7	604.9	596.4	596.4	589.6	588.7
7.5°	656.8	653.0	649.5	648.7	644.0	640.6	634.7	622.8	618.1	610.0	605.3
10°	695.9	692.9	689.1	684.4	681.9	675.9	666.1	648.7	640.2	629.1	621.0
12.5°	735.5	735.0	726.5	717.2	716.8	707.4	700.6	677.2	665.7	650.8	631.7
15°	760.6	758.4	753.8	749.1	750.4	740.2	724.8	697.2	689.5	671.7	651.3
17.5°	760.1	760.1	758.9	758.0	756.7	753.8	745.3	727.0	714.6	692.1	672.9
20°	735.9	741.4	742.7	742.3	746.5	748.7	748.2	736.8	727.0	707.0	687.4
22.5°	687.4	700.2	705.7	709.1	718.0	722.7	733.8	729.5	727.0	712.1	695.5
25°	642.3	646.6	663.2	664.0	676.3	687.8	698.9	706.1	715.5	710.0	695.9
27.5°	584.0	593.8	605.7	614.7	617.2	640.6	658.9	672.5	693.8	695.5	690.8
30°	518.1	522.8	542.4	554.3	567.9	584.9	611.3	634.7	653.8	671.2	677.2
32.5°	437.7	456.9	468.3	482.8	494.7	524.9	557.2	587.4	609.6	638.9	651.7
35°	364.1	379.0	398.6	404.5	426.2	451.7	493.9	532.6	566.2	596.0	621.9
37.5°	303.3	315.2	336.0	345.4	358.2	390.9	426.2	474.3	514.7	551.3	583.6
40°	261.6	270.5	286.3	289.3	299.9	329.7	358.2	403.3	456.9	506.2	541.5
42.5°	233.1	237.4	248.0	251.8	258.6	278.6	304.1	346.7	396.5	447.5	497.3
45°	212.7	215.7	222.0	225.4	234.0	242.9	263.7	297.8	336.9	388.4	442.0
47.5°	194.4	198.2	200.8	202.9	207.6	217.4	231.0	256.1	293.5	340.7	392.6
50°	179.1	180.4	185.0	185.5	188.4	194.8	207.6	222.9	252.7	291.0	341.2
52.5°	163.8	165.0	168.0	171.0	172.3	177.4	185.9	198.7	220.8	251.0	295.6
55°	148.5	150.2	153.1	155.3	156.5	160.8	165.9	178.2	195.7	216.9	253.5
57.5°	133.1	137.0	137.8	139.1	141.2	145.9	150.6	157.8	171.4	191.0	217.8
60°	118.7	120.0	122.9	124.2	126.3	128.9	134.8	140.4	150.2	165.5	189.7
62.5°	103.8	106.8	108.0	109.3	111.0	114.0	117.8	123.8	132.3	144.6	163.8
65°	91.0	91.5	94.0	95.7	97.4	99.5	103.4	108.9	114.0	125.5	139.5
67.5°	78.7	79.5	80.4	82.1	84.2	86.4	89.8	92.7	99.1	106.8	117.8
70°	66.8	66.8	68.9	70.2	69.8	72.3	74.9	78.3	82.9	90.2	99.1
72.5°	56.1	55.7	57.4	57.9	58.7	60.4	62.1	65.5	68.1	73.6	80.4
75°	44.7	45.5	46.4	46.4	47.6	48.9	50.6	52.3	55.3	58.7	63.8
77.5°	35.3	35.3	36.2	36.6	37.9	37.4	39.1	40.8	43.0	45.9	49.8
80°	25.9	26.8	26.8	26.8	27.2	27.6	29.4	30.6	31.9	34.0	35.7
82.5°	18.3	18.3	19.1	19.1	19.1	20.0	20.0	20.4	21.3	22.5	23.8
85°	11.5	11.5	11.5	11.9	11.5	11.9	12.8	12.3	12.8	13.6	13.6
87.5°	5.5	5.5	5.5	5.5	5.5	6.0	5.5	6.0	6.4	6.4	6.4
90°	31.9	31.7	31.5	31.4	31.6	32.0	32.5	32.9	33.3	28.7	24.0
92.5°	30.4	30.4	30.4	30.4	30.3	30.1	29.9	29.7	29.5	29.3	29.1
95°	59.7	60.2	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.4	60.0
97.5°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	94.2	93.3
100°	130.6	130.8	131.0	131.1	131.1	131.1	131.1	131.1	131.1	130.5	129.9
102.5°	170.5	170.7	170.9	171.0	170.9	170.7	170.5	170.3	170.1	169.3	168.4
105°	210.9	210.9	210.9	210.9	210.7	210.3	209.8	209.4	209.0	208.6	208.2
107.5°	250.1	251.1	252.2	252.7	252.6	252.4	252.2	252.0	251.8	251.8	251.8
110°	293.9	294.5	295.2	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	336.2	336.7	337.1	337.3	337.6	338.2	338.9	339.5	340.1	340.3	340.5
115°	381.3	381.9	382.6	382.9	383.0	383.2	383.5	383.7	383.9	384.3	384.7
117.5°	423.1	423.8	424.4	424.7	425.0	425.7	426.3	427.0	427.6	428.6	429.7
120°	467.8	468.4	469.1	469.4	469.4	469.4	469.4	469.4	469.4	471.1	472.8
122.5°	511.0	511.5	511.9	512.1	512.4	513.1	513.7	514.4	515.0	516.0	517.1
125°	555.3	555.5	555.7	555.8	556.1	556.8	557.4	558.1	558.7	559.3	559.9
127.5°	596.0	596.7	597.3	597.6	598.0	598.9	599.7	600.6	601.4	602.2	603.1
130°	640.2	641.0	641.9	642.3	642.5	642.9	643.4	643.8	644.2	644.6	645.0
132.5°	681.5	682.2	682.8	683.1	683.6	684.7	685.8	686.8	687.9	687.7	687.5
135°	725.2	725.9	726.5	726.8	726.9	727.1	727.4	727.6	727.8	727.4	727.0
137.5°	764.6	765.5	766.4	766.8	766.9	767.1	767.3	767.5	767.7	767.3	766.9
140°	805.5	806.3	807.2	807.6	807.6	807.6	807.6	807.6	807.6	806.6	805.5
142.5°	842.6	843.4	844.3	844.7	844.6	844.4	844.1	843.9	843.7	843.1	842.5
145°	879.6	880.4	881.3	881.7	881.6	881.4	881.2	881.0	880.8	879.5	878.3
147.5°	912.9	913.7	914.6	915.0	914.8	914.4	913.9	913.5	913.1	912.3	911.4
150°	944.7	945.4	946.0	946.3	946.0	945.4	944.7	944.1	943.5	942.7	941.8
152.5°	975.6	976.4	977.3	977.7	977.3	976.4	975.6	974.7	973.9	972.8	971.8
155°	1001.7	1002.4	1003.0	1003.3	1002.8	1001.7	1000.7	999.6	998.6	998.0	997.3
157.5°	1026.3	1027.4	1028.5	1029.0	1028.3	1026.8	1025.3	1023.8	1022.3	1021.9	1021.5
160°	1047.8	1048.6	1049.5	1049.9	1049.3	1048.0	1046.7	1045.5	1044.2	1044.0	1043.8
162.5°	1067.2	1068.2	1069.3	1069.8	1069.1	1067.6	1066.1	1064.7	1063.2	1063.0	1062.8
165°	1083.3	1084.4	1085.5	1086.0	1085.3	1083.8	1082.3	1080.8	1079.3	1079.3	1079.3
167.5°	1097.6	1098.6	1099.7	1100.2	1099.5	1098.0	1096.5	1095.1	1093.6	1093.6	1093.6
170°	1108.4	1109.7	1111.0	1111.6	1110.9	1109.4	1107.9	1106.5	1105.0	1105.2	1105.4
172.5°	1117.0	1118.3	1119.6	1120.2	1119.5	1118.0	1116.5	1115.0	1113.5	1113.7	1113.9
175°	1122.7	1124.0	1125.3	1125.9	1125.2	1123.7	1122.2	1120.7	1119.2	1119.6	1120.0
177.5°	1125.5	1126.8	1128.1	1128.7	1128.1	1126.8	1125.5	1124.3	1123.0	1123.4	1123.8
180°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	567.9	565.7	564.5	565.3	562.8	556.4	556.4	558.5	556.0	553.4	549.6
5°	583.6	579.4	576.8	576.4	570.4	560.2	558.1	556.0	550.4	544.5	538.1
7.5°	598.9	591.3	587.0	584.0	575.5	562.3	556.8	552.1	543.2	534.3	526.2
10°	611.7	600.6	595.5	590.8	579.8	563.2	554.3	545.8	534.3	522.8	512.6
12.5°	621.9	609.1	602.8	596.0	582.3	560.6	549.6	536.0	524.5	509.2	499.0
15°	638.9	612.5	606.6	600.2	586.2	556.4	542.8	527.5	511.7	491.3	480.2
17.5°	652.5	617.2	616.8	603.2	584.9	554.7	533.8	513.9	496.8	476.4	459.0
20°	660.6	624.5	617.6	603.6	580.6	543.2	521.5	499.4	481.1	456.4	439.0
22.5°	667.4	634.7	616.8	599.8	571.7	539.4	507.5	486.6	461.5	434.7	418.1
25°	670.0	636.8	618.1	598.5	565.3	528.3	492.2	469.6	441.5	417.3	394.7
27.5°	670.4	636.4	613.4	593.0	556.4	513.9	476.8	453.0	422.0	393.9	371.4
30°	666.1	631.7	610.8	588.7	547.9	500.7	458.1	431.8	398.6	370.5	347.1
32.5°	653.4	622.3	605.3	581.1	536.8	482.4	440.3	410.9	376.0	348.4	325.8
35°	632.1	610.8	592.1	569.6	522.4	465.4	422.4	387.9	352.6	326.3	305.0
37.5°	605.7	594.3	576.8	554.7	505.8	450.0	402.4	364.1	328.8	303.3	282.4
40°	570.0	573.0	556.0	536.0	486.2	429.2	376.5	339.9	306.7	282.9	262.5
42.5°	531.3	543.6	533.8	514.7	464.5	406.2	357.3	316.9	284.6	259.9	242.9
45°	489.6	510.9	504.9	490.9	442.0	382.0	330.1	291.0	262.5	238.6	223.7
47.5°	444.1	474.3	474.3	464.1	416.9	357.7	306.7	266.7	238.6	221.6	207.2
50°	397.7	431.8	437.3	430.5	388.8	330.1	278.2	242.0	217.8	201.2	190.6
52.5°	349.2	388.8	399.0	395.6	359.0	303.7	254.8	219.5	197.4	182.9	173.6
55°	302.9	348.8	359.9	361.1	327.1	274.8	228.9	197.8	176.5	166.7	158.7
57.5°	259.1	303.3	315.6	317.8	294.8	248.4	204.6	177.4	158.2	150.2	143.8
60°	221.6	258.6	274.8	279.5	259.5	217.8	182.1	155.7	141.2	133.6	127.6
62.5°	191.0	220.8	237.8	239.1	230.1	191.0	158.7	136.5	124.2	117.4	114.4
65°	161.2	188.0	198.2	203.3	196.1	165.5	137.0	118.7	108.9	102.9	100.0
67.5°	137.4	154.4	162.9	169.7	162.5	139.5	116.6	101.7	94.4	88.5	86.8
70°	112.7	126.8	133.1	139.9	133.6	116.1	99.5	85.9	79.5	74.9	72.7
72.5°	90.2	101.2	107.2	111.4	107.6	93.2	79.5	70.2	65.5	62.1	60.8
75°	71.5	79.1	82.5	85.5	83.8	72.7	64.2	56.6	52.3	49.3	48.5
77.5°	54.4	60.0	63.8	64.7	62.5	55.3	48.1	43.4	40.0	38.3	37.4
80°	38.7	42.1	44.2	45.5	43.4	40.4	35.3	31.9	28.9	26.8	26.4
82.5°	25.9	27.6	29.4	28.9	28.1	25.5	22.5	20.8	19.6	17.9	17.9
85°	14.9	15.3	16.2	16.6	16.2	14.5	12.8	11.9	11.1	9.8	9.8
87.5°	6.4	6.8	6.8	7.2	6.4	6.4	5.5	4.7	4.7	4.3	3.8
90°	19.4	14.7	12.4	11.1	8.6	6.1	3.5	1.0	3.5	6.1	8.6
92.5°	28.8	28.6	28.5	27.7	26.0	24.3	22.6	20.9	22.6	24.3	26.0
95°	59.5	59.1	58.9	57.8	55.7	53.6	51.5	49.4	51.5	53.6	55.7
97.5°	92.5	91.6	91.2	90.3	88.4	86.5	84.6	82.7	84.6	86.5	88.4
100°	129.2	128.6	128.3	127.5	125.8	124.1	122.4	120.7	122.4	124.1	125.8
102.5°	167.6	166.7	166.3	165.7	164.4	163.1	161.9	160.6	161.9	163.1	164.4
105°	207.7	207.3	207.1	206.8	206.2	205.5	204.9	204.3	204.9	205.5	206.2
107.5°	251.8	251.8	251.8	251.4	250.5	249.7	248.8	248.0	248.8	249.7	250.5
110°	295.5	295.5	295.5	294.9	293.6	292.3	291.1	289.8	291.1	292.3	293.6

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	340.8	341.0	341.1	340.5	339.2	337.9	336.7	335.4	336.7	337.9	339.2
115°	385.2	385.6	385.8	385.2	383.9	382.6	381.3	380.0	381.3	382.6	383.9
117.5°	430.7	431.8	432.3	431.5	429.8	428.1	426.4	424.7	426.4	428.1	429.8
120°	474.5	476.2	477.0	476.2	474.5	472.8	471.1	469.4	471.1	472.8	474.5
122.5°	518.1	519.2	519.7	518.6	516.5	514.4	512.3	510.2	512.3	514.4	516.5
125°	560.6	561.2	561.5	560.6	558.7	556.8	554.9	553.0	554.9	556.8	558.7
127.5°	603.9	604.8	605.2	604.0	601.7	599.4	597.1	594.8	597.1	599.4	601.7
130°	645.5	645.9	646.1	644.7	642.0	639.2	636.5	633.7	636.5	639.2	642.0
132.5°	687.2	687.0	686.9	685.8	683.7	681.6	679.5	677.4	679.5	681.6	683.7
135°	726.5	726.1	725.9	724.7	722.4	720.1	717.7	715.4	717.7	720.1	722.4
137.5°	766.4	766.0	765.8	764.8	762.9	761.0	759.1	757.2	759.1	761.0	762.9
140°	804.5	803.4	802.9	801.9	800.0	798.1	796.2	794.3	796.2	798.1	800.0
142.5°	841.8	841.2	840.9	839.9	838.0	836.1	834.2	832.3	834.2	836.1	838.0
145°	877.0	875.7	875.1	874.4	872.9	871.4	869.9	868.4	869.9	871.4	872.9
147.5°	910.6	909.7	909.3	908.3	906.4	904.5	902.6	900.7	902.6	904.5	906.4
150°	941.0	940.1	939.7	939.1	937.8	936.5	935.3	934.0	935.3	936.5	937.8
152.5°	970.7	969.6	969.1	968.5	967.2	965.9	964.7	963.4	964.7	965.9	967.2
155°	996.7	996.0	995.7	995.4	994.8	994.1	993.5	992.9	993.5	994.1	994.8
157.5°	1021.0	1020.6	1020.4	1020.2	1019.8	1019.3	1018.9	1018.5	1018.9	1019.3	1019.8
160°	1043.5	1043.3	1043.2	1043.0	1042.6	1042.1	1041.7	1041.3	1041.7	1042.1	1042.6
162.5°	1062.5	1062.3	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2	1062.2
165°	1079.3	1079.3	1079.3	1079.4	1079.6	1079.9	1080.1	1080.3	1080.1	1079.9	1079.6
167.5°	1093.6	1093.6	1093.6	1093.9	1094.5	1095.2	1095.8	1096.4	1095.8	1095.2	1094.5
170°	1105.6	1105.8	1105.9	1106.2	1106.9	1107.5	1108.2	1108.8	1108.2	1107.5	1106.9
172.5°	1114.2	1114.4	1114.5	1114.8	1115.4	1116.1	1116.7	1117.3	1116.7	1116.1	1115.4
175°	1120.5	1120.9	1121.1	1121.4	1122.1	1122.7	1123.4	1124.0	1123.4	1122.7	1122.1
177.5°	1124.3	1124.7	1124.9	1125.2	1125.9	1126.5	1127.2	1127.8	1127.2	1126.5	1125.9
180°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	547.5	549.6	549.2	544.9	540.2	536.4	529.2	530.0	527.5	527.9	530.4
5°	533.8	533.8	532.1	526.2	518.5	514.3	506.2	504.1	499.0	498.5	498.1
7.5°	519.4	517.3	515.1	506.6	497.3	490.5	479.4	476.8	471.7	468.3	466.6
10°	502.4	499.4	495.1	485.4	473.9	465.4	453.9	450.5	440.7	436.4	433.9
12.5°	483.7	482.0	475.1	467.1	448.3	439.0	422.4	425.8	416.0	407.5	406.2
15°	464.9	458.6	454.7	441.5	419.0	414.7	401.6	394.7	385.8	379.0	379.0
17.5°	446.6	436.9	428.4	414.3	397.7	385.8	376.0	372.6	361.6	354.8	353.5
20°	422.4	411.3	409.2	389.2	377.7	364.5	355.2	346.7	338.6	335.6	333.5
22.5°	399.4	386.7	383.3	366.2	354.8	341.6	332.2	326.3	320.3	318.2	314.4
25°	374.8	367.1	362.0	343.7	330.9	318.6	312.2	308.0	302.4	302.0	299.5
27.5°	350.9	343.7	338.6	321.2	311.8	300.3	295.2	290.5	287.6	286.3	285.0
30°	330.5	322.4	316.5	303.7	292.2	282.9	278.6	275.6	273.9	271.8	271.4
32.5°	308.0	303.3	295.2	285.4	276.5	267.6	265.0	262.9	260.3	259.5	259.1
35°	288.8	282.4	277.3	266.3	262.5	254.8	251.8	250.1	246.7	245.9	245.0
37.5°	270.1	264.2	258.6	251.8	244.6	240.3	238.6	236.1	234.4	234.8	234.0
40°	251.4	246.7	242.5	235.2	231.0	228.9	225.4	222.9	222.0	222.5	222.0
42.5°	233.1	228.9	226.3	220.8	216.5	214.4	212.3	209.7	211.0	211.0	212.3
45°	216.5	212.7	211.0	206.7	204.2	200.8	198.7	198.2	199.9	199.5	199.5
47.5°	199.5	198.2	196.1	192.3	188.9	186.7	186.3	186.3	188.0	188.9	188.4
50°	186.3	183.8	181.2	178.2	175.7	174.8	173.6	174.4	176.1	176.1	177.0
52.5°	169.7	168.0	167.2	164.6	162.9	162.9	162.9	163.3	164.6	165.9	165.5
55°	155.3	154.0	153.1	151.9	149.7	150.2	149.7	150.6	151.9	153.1	154.0
57.5°	139.9	139.5	138.7	136.5	136.5	136.1	137.4	137.8	139.9	140.8	142.1
60°	126.3	125.1	125.1	123.4	123.4	123.4	124.6	125.9	127.6	128.0	128.9
62.5°	111.9	111.9	111.4	110.2	110.2	111.4	111.9	113.6	114.4	114.4	115.7
65°	98.3	97.8	97.4	97.8	98.3	98.3	99.5	100.4	101.2	101.7	102.1
67.5°	84.6	84.2	85.1	84.6	85.5	87.2	86.8	88.1	89.3	89.3	89.8
70°	71.9	72.7	72.3	73.2	72.7	73.6	74.9	75.3	75.3	75.7	77.0
72.5°	60.0	60.0	60.0	59.6	60.0	60.8	61.7	62.1	63.0	63.4	64.7
75°	48.5	48.5	47.6	48.5	48.5	49.3	50.2	50.2	50.2	51.0	52.3
77.5°	36.6	37.0	36.6	37.4	37.4	37.9	38.7	38.3	39.1	39.6	40.0
80°	26.8	26.4	26.4	26.4	26.8	26.8	27.6	28.1	28.1	29.4	28.5
82.5°	17.0	17.4	17.0	17.4	17.4	17.9	17.4	17.9	18.3	19.1	18.7
85°	9.8	9.4	9.4	9.8	9.4	9.4	9.8	9.4	9.8	9.4	9.8
87.5°	3.8	3.4	3.4	3.4	3.4	3.0	3.0	2.6	2.6	2.6	2.1
90°	11.1	12.4	14.7	19.4	24.0	28.7	33.3	32.9	32.5	32.0	31.6
92.5°	27.7	28.5	28.6	28.8	29.1	29.3	29.5	29.7	29.9	30.1	30.3
95°	57.8	58.9	59.1	59.5	60.0	60.4	60.8	60.8	60.8	60.8	60.8
97.5°	90.3	91.2	91.6	92.5	93.3	94.2	95.0	95.0	95.0	95.0	95.0
100°	127.5	128.3	128.6	129.2	129.9	130.5	131.1	131.1	131.1	131.1	131.1
102.5°	165.7	166.3	166.7	167.6	168.4	169.3	170.1	170.3	170.5	170.7	170.9
105°	206.8	207.1	207.3	207.7	208.2	208.6	209.0	209.4	209.8	210.3	210.7
107.5°	251.4	251.8	251.8	251.8	251.8	251.8	251.8	252.0	252.2	252.4	252.6
110°	294.9	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	340.5	341.1	341.0	340.8	340.5	340.3	340.1	339.5	338.9	338.2	337.6
115°	385.2	385.8	385.6	385.2	384.7	384.3	383.9	383.7	383.5	383.2	383.0
117.5°	431.5	432.3	431.8	430.7	429.7	428.6	427.6	427.0	426.3	425.7	425.0
120°	476.2	477.0	476.2	474.5	472.8	471.1	469.4	469.4	469.4	469.4	469.4
122.5°	518.6	519.7	519.2	518.1	517.1	516.0	515.0	514.4	513.7	513.1	512.4
125°	560.6	561.5	561.2	560.6	559.9	559.3	558.7	558.1	557.4	556.8	556.1
127.5°	604.0	605.2	604.8	603.9	603.1	602.2	601.4	600.6	599.7	598.9	598.0
130°	644.7	646.1	645.9	645.5	645.0	644.6	644.2	643.8	643.4	642.9	642.5
132.5°	685.8	686.9	687.0	687.2	687.5	687.7	687.9	686.8	685.8	684.7	683.6
135°	724.7	725.9	726.1	726.5	727.0	727.4	727.8	727.6	727.4	727.1	726.9
137.5°	764.8	765.8	766.0	766.4	766.9	767.3	767.7	767.5	767.3	767.1	766.9
140°	801.9	802.9	803.4	804.5	805.5	806.6	807.6	807.6	807.6	807.6	807.6
142.5°	839.9	840.9	841.2	841.8	842.5	843.1	843.7	843.9	844.1	844.4	844.6
145°	874.4	875.1	875.7	877.0	878.3	879.5	880.8	881.0	881.2	881.4	881.6
147.5°	908.3	909.3	909.7	910.6	911.4	912.3	913.1	913.5	913.9	914.4	914.8
150°	939.1	939.7	940.1	941.0	941.8	942.7	943.5	944.1	944.7	945.4	946.0
152.5°	968.5	969.1	969.6	970.7	971.8	972.8	973.9	974.7	975.6	976.4	977.3
155°	995.4	995.7	996.0	996.7	997.3	998.0	998.6	999.6	1000.7	1001.7	1002.8
157.5°	1020.2	1020.4	1020.6	1021.0	1021.5	1021.9	1022.3	1023.8	1025.3	1026.8	1028.3
160°	1043.0	1043.2	1043.3	1043.5	1043.8	1044.0	1044.2	1045.5	1046.7	1048.0	1049.3
162.5°	1062.2	1062.2	1062.3	1062.5	1062.8	1063.0	1063.2	1064.7	1066.1	1067.6	1069.1
165°	1079.4	1079.3	1079.3	1079.3	1079.3	1079.3	1079.3	1080.8	1082.3	1083.8	1085.3
167.5°	1093.9	1093.6	1093.6	1093.6	1093.6	1093.6	1093.6	1095.1	1096.5	1098.0	1099.5
170°	1106.2	1105.9	1105.8	1105.6	1105.4	1105.2	1105.0	1106.5	1107.9	1109.4	1110.9
172.5°	1114.8	1114.5	1114.4	1114.2	1113.9	1113.7	1113.5	1115.0	1116.5	1118.0	1119.5
175°	1121.4	1121.1	1120.9	1120.5	1120.0	1119.6	1119.2	1120.7	1122.2	1123.7	1125.2
177.5°	1125.2	1124.9	1124.7	1124.3	1123.8	1123.4	1123.0	1124.3	1125.5	1126.8	1128.1
180°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	527.5	528.7	525.8	524.9	525.8	522.8	523.6	524.5	524.5	525.8	526.6
5°	496.8	495.1	492.2	491.3	490.5	491.7	490.9	492.2	492.6	495.6	496.0
7.5°	466.6	464.1	461.5	459.0	458.1	456.0	458.1	458.1	461.1	460.3	462.4
10°	430.9	430.5	427.1	425.8	424.1	420.7	425.4	424.1	426.2	430.1	430.9
12.5°	404.5	399.9	402.0	396.0	398.2	394.7	395.2	395.2	398.6	399.0	398.2
15°	379.4	375.6	370.1	367.5	366.2	364.5	370.1	370.5	368.0	373.9	371.8
17.5°	353.9	353.9	348.8	347.5	344.1	345.8	345.0	345.4	344.6	348.8	350.9
20°	331.8	329.7	328.0	328.4	324.1	323.3	322.4	323.3	326.3	329.2	330.1
22.5°	313.9	312.7	308.4	309.2	305.8	307.1	306.3	308.4	308.8	308.8	311.8
25°	296.9	295.2	295.6	293.9	292.7	292.7	291.4	292.7	294.4	295.2	295.6
27.5°	284.2	282.9	280.7	279.5	280.3	278.2	279.9	281.2	281.2	280.3	281.2
30°	268.8	269.7	269.7	265.4	267.1	266.3	267.6	268.4	268.4	268.8	268.0
32.5°	258.6	256.1	255.7	255.2	255.2	253.5	253.5	254.8	255.2	255.7	256.9
35°	245.0	245.0	242.9	244.2	242.5	242.9	242.5	242.9	243.7	242.5	243.7
37.5°	232.7	233.1	232.3	233.1	233.5	232.7	231.8	233.5	232.7	232.7	231.8
40°	222.0	221.6	222.0	222.0	222.0	222.5	221.6	221.6	221.6	220.8	219.9
42.5°	213.1	210.6	211.4	211.8	210.6	210.6	211.0	210.6	211.8	209.3	209.3
45°	200.4	199.5	199.9	199.9	200.8	199.5	200.4	200.8	199.5	199.1	198.2
47.5°	188.9	189.7	188.9	189.7	189.7	190.6	188.9	189.3	189.7	188.0	186.7
50°	177.4	177.4	178.7	178.2	178.7	177.8	177.8	177.4	177.8	177.0	175.7
52.5°	166.7	165.5	167.6	167.2	166.7	166.3	165.9	166.3	165.5	164.6	164.6
55°	153.6	153.6	154.8	155.3	155.3	154.4	153.6	154.0	153.6	153.1	152.7
57.5°	142.9	141.2	142.1	142.5	142.5	141.2	142.1	141.2	141.2	141.7	140.4
60°	129.3	129.3	128.5	129.7	129.7	128.9	128.9	129.3	128.5	128.0	127.6
62.5°	114.9	115.3	116.6	117.0	117.4	116.6	115.7	116.1	116.1	114.9	115.3
65°	102.5	103.4	105.1	104.6	103.8	104.2	103.4	103.8	102.5	102.9	101.7
67.5°	90.6	90.2	90.6	90.6	91.5	91.0	90.2	90.2	89.8	91.0	89.8
70°	77.8	77.8	77.8	77.8	78.3	78.7	77.8	77.0	77.4	76.6	76.1
72.5°	64.7	65.1	64.7	65.5	64.2	65.1	65.1	64.7	64.2	64.2	64.2
75°	52.3	53.2	51.9	52.3	51.9	52.7	52.3	52.3	51.5	51.0	51.5
77.5°	40.0	40.4	39.6	40.0	39.6	40.0	40.0	39.6	39.6	39.6	39.6
80°	28.5	28.9	28.5	28.1	27.6	28.5	27.6	28.1	28.5	28.1	28.9
82.5°	18.3	18.3	17.9	18.3	17.4	17.4	17.9	17.9	17.4	18.3	17.4
85°	8.9	8.9	9.8	8.9	8.5	8.5	8.5	8.9	8.5	9.4	8.9
87.5°	2.1	1.7	2.1	2.1	1.7	1.7	2.1	1.7	2.1	2.6	1.7
90°	31.4	31.5	31.7	31.9	32.1	32.3	32.1	31.9	31.7	31.5	31.4
92.5°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
95°	60.8	60.6	60.2	59.7	59.3	58.9	59.3	59.7	60.2	60.6	60.8
97.5°	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
100°	131.1	131.0	130.8	130.6	130.4	130.2	130.4	130.6	130.8	131.0	131.1
102.5°	171.0	170.9	170.7	170.5	170.3	170.1	170.3	170.5	170.7	170.9	171.0
105°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9
107.5°	252.7	252.2	251.1	250.1	249.0	248.0	249.0	250.1	251.1	252.2	252.7
110°	295.5	295.2	294.5	293.9	293.2	292.6	293.2	293.9	294.5	295.2	295.5

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	337.3	337.1	336.7	336.2	335.8	335.4	335.8	336.2	336.7	337.1	337.3
115°	382.9	382.6	381.9	381.3	380.6	380.0	380.6	381.3	381.9	382.6	382.9
117.5°	424.7	424.4	423.8	423.1	422.5	421.9	422.5	423.1	423.8	424.4	424.7
120°	469.4	469.1	468.4	467.8	467.1	466.5	467.1	467.8	468.4	469.1	469.4
122.5°	512.1	511.9	511.5	511.0	510.6	510.2	510.6	511.0	511.5	511.9	512.1
125°	555.8	555.7	555.5	555.3	555.1	554.9	555.1	555.3	555.5	555.7	555.8
127.5°	597.6	597.3	596.7	596.0	595.4	594.8	595.4	596.0	596.7	597.3	597.6
130°	642.3	641.9	641.0	640.2	639.3	638.5	639.3	640.2	641.0	641.9	642.3
132.5°	683.1	682.8	682.2	681.5	680.9	680.3	680.9	681.5	682.2	682.8	683.1
135°	726.8	726.5	725.9	725.2	724.6	724.0	724.6	725.2	725.9	726.5	726.8
137.5°	766.8	766.4	765.5	764.6	763.8	762.9	763.8	764.6	765.5	766.4	766.8
140°	807.6	807.2	806.3	805.5	804.6	803.8	804.6	805.5	806.3	807.2	807.6
142.5°	844.7	844.3	843.4	842.6	841.7	840.9	841.7	842.6	843.4	844.3	844.7
145°	881.7	881.3	880.4	879.6	878.7	877.9	878.7	879.6	880.4	881.3	881.7
147.5°	915.0	914.6	913.7	912.9	912.0	911.2	912.0	912.9	913.7	914.6	915.0
150°	946.3	946.0	945.4	944.7	944.1	943.5	944.1	944.7	945.4	946.0	946.3
152.5°	977.7	977.3	976.4	975.6	974.7	973.9	974.7	975.6	976.4	977.3	977.7
155°	1003.3	1003.0	1002.4	1001.7	1001.1	1000.5	1001.1	1001.7	1002.4	1003.0	1003.3
157.5°	1029.0	1028.5	1027.4	1026.3	1025.3	1024.2	1025.3	1026.3	1027.4	1028.5	1029.0
160°	1049.9	1049.5	1048.6	1047.8	1046.9	1046.1	1046.9	1047.8	1048.6	1049.5	1049.9
162.5°	1069.8	1069.3	1068.2	1067.2	1066.1	1065.1	1066.1	1067.2	1068.2	1069.3	1069.8
165°	1086.0	1085.5	1084.4	1083.3	1082.3	1081.2	1082.3	1083.3	1084.4	1085.5	1086.0
167.5°	1100.2	1099.7	1098.6	1097.6	1096.5	1095.5	1096.5	1097.6	1098.6	1099.7	1100.2
170°	1111.6	1111.0	1109.7	1108.4	1107.2	1105.9	1107.2	1108.4	1109.7	1111.0	1111.6
172.5°	1120.2	1119.6	1118.3	1117.0	1115.8	1114.5	1115.8	1117.0	1118.3	1119.6	1120.2
175°	1125.9	1125.3	1124.0	1122.7	1121.5	1120.2	1121.5	1122.7	1124.0	1125.3	1125.9
177.5°	1128.7	1128.1	1126.8	1125.5	1124.3	1123.0	1124.3	1125.5	1126.8	1128.1	1128.7
180°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4	553.4
2.5°	525.3	528.7	527.5	522.8	528.3	528.3	532.1	532.1	536.8	538.5	541.1
5°	495.6	498.1	500.2	498.1	501.9	507.9	511.3	514.3	520.7	523.2	527.0
7.5°	463.7	468.3	470.5	470.5	476.8	483.7	490.5	494.7	503.6	507.0	510.9
10°	432.6	438.1	442.4	442.0	452.6	456.9	465.4	475.1	484.1	489.2	494.7
12.5°	399.9	402.8	408.8	417.3	419.8	427.5	437.3	449.6	465.8	470.5	478.5
15°	372.6	380.7	385.4	389.2	395.2	402.4	413.0	425.0	441.1	451.3	459.8
17.5°	349.7	360.3	363.3	362.4	370.1	381.1	393.5	402.4	416.9	429.2	437.3
20°	330.9	335.2	340.3	342.4	348.4	360.3	372.2	382.4	394.3	404.1	413.5
22.5°	312.2	315.6	319.9	323.7	328.4	335.2	346.7	359.4	370.9	380.3	390.9
25°	296.9	299.0	302.9	305.8	310.9	315.6	323.7	337.7	351.4	356.9	366.2
27.5°	282.0	283.7	286.3	289.7	292.2	296.9	304.1	315.6	329.7	335.2	348.0
30°	268.8	270.1	272.7	274.4	275.6	281.2	286.7	295.6	306.3	313.9	323.3
32.5°	256.5	257.8	260.3	260.8	262.5	265.4	270.5	278.6	288.0	294.4	302.4
35°	242.9	243.7	246.3	247.1	248.4	251.0	254.8	260.8	269.3	273.9	281.2
37.5°	232.3	231.8	233.5	234.8	236.5	237.8	239.1	245.0	251.4	255.7	261.2
40°	220.8	219.9	220.3	222.0	222.9	224.6	224.6	230.6	234.8	238.2	242.5
42.5°	209.3	208.9	208.0	208.9	209.7	210.1	210.6	214.8	219.1	222.0	226.7
45°	197.8	197.4	196.5	196.9	196.9	197.8	199.1	200.8	203.8	206.3	208.9
47.5°	187.2	186.3	185.0	184.6	185.5	185.5	185.5	187.2	190.1	191.0	193.5
50°	176.1	174.8	173.1	172.3	172.3	171.9	172.7	173.1	175.7	176.5	178.7
52.5°	164.2	163.3	161.6	159.9	160.4	159.5	159.9	160.4	161.2	162.5	163.8
55°	152.3	150.6	149.3	148.9	147.6	147.6	146.3	148.0	147.6	148.0	149.7
57.5°	140.8	139.1	137.0	136.1	134.8	134.4	133.6	133.1	133.6	134.8	136.1
60°	127.2	126.3	125.1	123.8	122.9	121.7	120.8	120.8	120.4	120.4	120.8
62.5°	114.0	113.6	111.9	111.4	110.6	109.7	108.5	107.6	107.6	108.5	108.9
65°	101.2	100.8	99.5	99.1	97.0	96.1	95.7	95.3	94.4	94.4	94.4
67.5°	89.3	88.1	88.1	85.9	84.2	83.4	82.5	82.1	82.1	82.1	82.5
70°	76.1	76.1	74.9	73.6	71.9	72.3	71.0	69.8	69.8	68.9	69.3
72.5°	63.4	63.0	61.7	61.3	60.0	58.7	57.9	58.7	57.4	57.0	57.4
75°	51.0	50.6	49.8	48.9	49.3	48.1	46.8	46.4	46.4	45.5	45.5
77.5°	39.1	40.0	38.3	37.9	37.0	36.2	35.7	35.3	35.3	35.3	36.2
80°	27.2	27.6	27.6	26.8	27.2	25.9	25.9	25.9	24.7	25.1	25.5
82.5°	17.4	17.4	17.0	17.4	17.0	17.0	16.6	16.6	16.2	16.2	16.6
85°	9.8	9.4	8.9	9.8	9.4	9.4	8.9	8.9	8.9	8.9	8.9
87.5°	2.1	2.6	2.6	2.6	2.6	3.0	3.0	3.0	3.4	3.4	3.4
90°	31.6	32.0	32.5	32.9	33.3	28.7	24.0	19.4	14.7	12.4	11.1
92.5°	30.3	30.1	29.9	29.7	29.5	29.3	29.1	28.8	28.6	28.5	27.7
95°	60.8	60.8	60.8	60.8	60.8	60.4	60.0	59.5	59.1	58.9	57.8
97.5°	95.0	95.0	95.0	95.0	95.0	94.2	93.3	92.5	91.6	91.2	90.3
100°	131.1	131.1	131.1	131.1	131.1	130.5	129.9	129.2	128.6	128.3	127.5
102.5°	170.9	170.7	170.5	170.3	170.1	169.3	168.4	167.6	166.7	166.3	165.7
105°	210.7	210.3	209.8	209.4	209.0	208.6	208.2	207.7	207.3	207.1	206.8
107.5°	252.6	252.4	252.2	252.0	251.8	251.8	251.8	251.8	251.8	251.8	251.4
110°	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	295.5	294.9

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	337.6	338.2	338.9	339.5	340.1	340.3	340.5	340.8	341.0	341.1	340.5
115°	383.0	383.2	383.5	383.7	383.9	384.3	384.7	385.2	385.6	385.8	385.2
117.5°	425.0	425.7	426.3	427.0	427.6	428.6	429.7	430.7	431.8	432.3	431.5
120°	469.4	469.4	469.4	469.4	469.4	471.1	472.8	474.5	476.2	477.0	476.2
122.5°	512.4	513.1	513.7	514.4	515.0	516.0	517.1	518.1	519.2	519.7	518.6
125°	556.1	556.8	557.4	558.1	558.7	559.3	559.9	560.6	561.2	561.5	560.6
127.5°	598.0	598.9	599.7	600.6	601.4	602.2	603.1	603.9	604.8	605.2	604.0
130°	642.5	642.9	643.4	643.8	644.2	644.6	645.0	645.5	645.9	646.1	644.7
132.5°	683.6	684.7	685.8	686.8	687.9	687.7	687.5	687.2	687.0	686.9	685.8
135°	726.9	727.1	727.4	727.6	727.8	727.4	727.0	726.5	726.1	725.9	724.7
137.5°	766.9	767.1	767.3	767.5	767.7	767.3	766.9	766.4	766.0	765.8	764.8
140°	807.6	807.6	807.6	807.6	807.6	806.6	805.5	804.5	803.4	802.9	801.9
142.5°	844.6	844.4	844.1	843.9	843.7	843.1	842.5	841.8	841.2	840.9	839.9
145°	881.6	881.4	881.2	881.0	880.8	879.5	878.3	877.0	875.7	875.1	874.4
147.5°	914.8	914.4	913.9	913.5	913.1	912.3	911.4	910.6	909.7	909.3	908.3
150°	946.0	945.4	944.7	944.1	943.5	942.7	941.8	941.0	940.1	939.7	939.1
152.5°	977.3	976.4	975.6	974.7	973.9	972.8	971.8	970.7	969.6	969.1	968.5
155°	1002.8	1001.7	1000.7	999.6	998.6	998.0	997.3	996.7	996.0	995.7	995.4
157.5°	1028.3	1026.8	1025.3	1023.8	1022.3	1021.9	1021.5	1021.0	1020.6	1020.4	1020.2
160°	1049.3	1048.0	1046.7	1045.5	1044.2	1044.0	1043.8	1043.5	1043.3	1043.2	1043.0
162.5°	1069.1	1067.6	1066.1	1064.7	1063.2	1063.0	1062.8	1062.5	1062.3	1062.2	1062.2
165°	1085.3	1083.8	1082.3	1080.8	1079.3	1079.3	1079.3	1079.3	1079.3	1079.3	1079.4
167.5°	1099.5	1098.0	1096.5	1095.1	1093.6	1093.6	1093.6	1093.6	1093.6	1093.6	1093.9
170°	1110.9	1109.4	1107.9	1106.5	1105.0	1105.2	1105.4	1105.6	1105.8	1105.9	1106.2
172.5°	1119.5	1118.0	1116.5	1115.0	1113.5	1113.7	1113.9	1114.2	1114.4	1114.5	1114.8
175°	1125.2	1123.7	1122.2	1120.7	1119.2	1119.6	1120.0	1120.5	1120.9	1121.1	1121.4
177.5°	1128.1	1126.8	1125.5	1124.3	1123.0	1123.4	1123.8	1124.3	1124.7	1124.9	1125.2
180°	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9	1125.9

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	553.4	553.4	553.4	553.4
2.5°	543.2	543.2	549.6	556.4
5°	531.3	534.3	544.5	553.8
7.5°	519.8	524.9	537.7	549.6
10°	505.8	512.6	528.3	542.4
12.5°	492.2	498.5	516.8	532.6
15°	473.0	481.1	500.7	520.2
17.5°	453.9	462.0	485.8	508.7
20°	431.3	442.0	468.8	499.4
22.5°	410.5	423.7	453.5	478.1
25°	387.5	407.9	435.6	467.5
27.5°	367.1	387.5	415.6	447.9
30°	344.1	365.0	393.9	423.7
32.5°	322.0	341.2	369.2	405.8
35°	299.0	317.3	344.6	381.6
37.5°	278.2	296.1	325.8	359.9
40°	257.8	276.5	302.0	336.0
42.5°	238.6	255.2	278.2	312.2
45°	221.2	233.1	254.4	286.3
47.5°	202.9	213.5	233.1	265.0
50°	185.9	194.8	211.8	241.6
52.5°	169.3	177.0	192.7	216.5
55°	154.4	161.6	173.1	196.5
57.5°	139.1	144.6	155.7	174.4
60°	124.2	129.3	138.2	153.6
62.5°	109.3	113.6	122.1	134.4
65°	96.1	99.5	105.9	116.6
67.5°	83.4	85.5	90.6	99.1
70°	71.0	72.7	77.0	83.8
72.5°	57.9	59.6	64.2	68.9
75°	46.8	47.2	50.6	54.4
77.5°	36.6	36.2	38.7	41.7
80°	25.1	26.4	28.5	29.8
82.5°	17.0	17.4	18.3	19.1
85°	9.4	9.8	9.8	11.1
87.5°	3.8	4.3	4.3	4.7
90°	8.6	6.1	3.5	1.0
92.5°	26.0	24.3	22.6	20.9
95°	55.7	53.6	51.5	49.4
97.5°	88.4	86.5	84.6	82.7
100°	125.8	124.1	122.4	120.7
102.5°	164.4	163.1	161.9	160.6
105°	206.2	205.5	204.9	204.3
107.5°	250.5	249.7	248.8	248.0
110°	293.6	292.3	291.1	289.8

TEST NUMBER: P1008980

CATALOG NUMBER: S122DIP-B290D925UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	339.2	337.9	336.7	335.4
115°	383.9	382.6	381.3	380.0
117.5°	429.8	428.1	426.4	424.7
120°	474.5	472.8	471.1	469.4
122.5°	516.5	514.4	512.3	510.2
125°	558.7	556.8	554.9	553.0
127.5°	601.7	599.4	597.1	594.8
130°	642.0	639.2	636.5	633.7
132.5°	683.7	681.6	679.5	677.4
135°	722.4	720.1	717.7	715.4
137.5°	762.9	761.0	759.1	757.2
140°	800.0	798.1	796.2	794.3
142.5°	838.0	836.1	834.2	832.3
145°	872.9	871.4	869.9	868.4
147.5°	906.4	904.5	902.6	900.7
150°	937.8	936.5	935.3	934.0
152.5°	967.2	965.9	964.7	963.4
155°	994.8	994.1	993.5	992.9
157.5°	1019.8	1019.3	1018.9	1018.5
160°	1042.6	1042.1	1041.7	1041.3
162.5°	1062.2	1062.2	1062.2	1062.2
165°	1079.6	1079.9	1080.1	1080.3
167.5°	1094.5	1095.2	1095.8	1096.4
170°	1106.9	1107.5	1108.2	1108.8
172.5°	1115.4	1116.1	1116.7	1117.3
175°	1122.1	1122.7	1123.4	1124.0
177.5°	1125.9	1126.5	1127.2	1127.8
180°	1125.9	1125.9	1125.9	1125.9

(END OF REPORT)