

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: P1001156

Luminaire Tested: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001156
REPORT IS A COMBINATION OF REPORTS P995772 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4
Description: Define 4 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

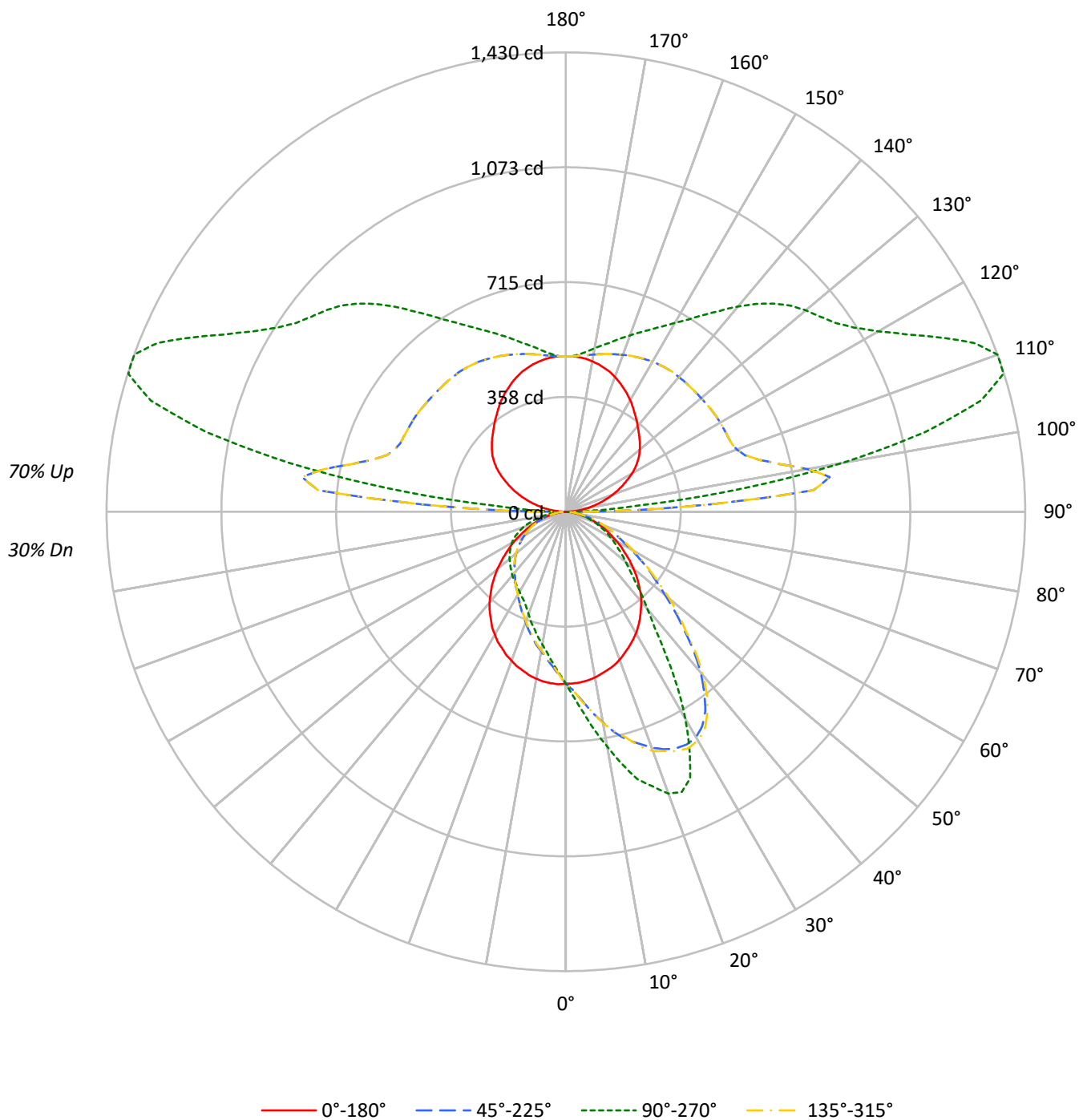
Lumens per Lamp: N/A
Luminaire Lumens: 5001.0 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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

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Luminous Intensity Polar Plot



TEST NUMBER: P1001156

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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	92	92	92	92	72	72	72	54	54	54	37	37	37
1	93	89	85	82	84	80	77	74	63	61	59	48	46	45	33	32	32
2	85	78	72	67	76	70	65	61	55	52	49	42	40	38	29	28	27
3	78	69	62	56	69	62	56	51	49	45	41	37	34	32	26	24	23
4	71	61	53	47	63	55	48	43	44	39	35	33	30	27	23	21	20
5	65	54	46	40	58	49	42	37	39	34	30	30	26	24	21	19	17
6	60	48	41	35	54	44	37	32	35	30	26	27	23	21	19	17	15
7	55	44	36	31	49	39	33	28	32	27	23	24	21	18	17	15	14
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11
10	44	33	26	21	40	30	24	20	24	20	16	19	15	13	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4362	4362	4362	4362
5°	4351	5004	4376	3760
10°	4318	5838	4351	3299
15°	4266	6730	4296	2951
20°	4211	7298	4241	2646
25°	4130	7214	4170	2421
30°	4052	5963	4101	2305
35°	3941	4444	3985	2235
40°	3812	3347	3849	2200
45°	3615	2687	3660	2153
50°	3379	2264	3428	2132
55°	3102	1970	3152	2107
60°	2834	1735	2917	2072
65°	2580	1492	2606	1985
70°	2285	1228	2334	1828
75°	1991	943	1980	1552
80°	1567	620	1551	1178
85°	1033	279	968	688

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 5640 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.0
10°-20°	160.7	3.2
20°-30°	255.3	5.1
30°-40°	283.6	5.7
40°-50°	257.9	5.2
50°-60°	210.8	4.2
60°-70°	150.5	3.0
70°-80°	82.8	1.7
80°-90°	24.3	0.5
90°-100°	350.6	7.0
100°-110°	731.9	14.6
110°-120°	650.6	13.0
120°-130°	547.7	11.0
130°-140°	456.9	9.1
140°-150°	348.9	7.0
150°-160°	245.3	4.9
160°-170°	144.3	2.9
170°-180°	46.9	0.9
0°-30°	468.0	9.4
0°-40°	751.6	15.0
0°-60°	1220.4	24.4
0°-90°	1477.9	29.6
90°-120°	1733.2	34.7
90°-150°	3086.7	61.7
90°-180°	3523.0	70.4
0°-180°	5001.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	535	535	535	535	535	
5°	533	628	536	472	533	51
15°	509	862	512	378	509	144
25°	464	915	469	307	464	214
35°	403	541	407	272	403	252
45°	321	304	325	243	321	248
55°	226	198	230	212	226	203
65°	141	128	142	170	141	139
75°	69	64	69	105	69	73
85°	14	13	13	33	14	17
90°	1	20	1	20	1	3
95°	31	232	31	232	31	34
105°	111	1337	111	1337	111	118
115°	196	1284	196	1284	196	194
125°	273	1024	273	1024	273	243
135°	324	916	324	916	324	250
145°	374	748	374	748	374	234
155°	425	626	425	626	425	196
165°	463	546	463	546	463	131
175°	483	492	483	492	483	46
180°	484	484	484	484	484	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	534.9	540.2	542.4	544.2	550.0	551.7	552.2	554.8	557.1	557.5	557.5
5°	532.7	541.1	547.7	553.9	563.3	567.2	572.1	577.4	584.5	589.0	591.2
7.5°	529.1	541.5	551.7	562.4	575.2	583.2	587.6	601.8	611.6	619.5	629.3
10°	523.8	539.8	554.4	569.9	588.1	597.8	607.6	624.9	638.6	654.1	666.5
12.5°	515.8	536.7	554.4	576.1	598.7	610.2	621.8	651.9	667.8	681.6	703.7
15°	508.7	529.6	554.8	577.0	604.9	622.2	639.0	658.5	683.8	713.5	734.8
17.5°	500.8	526.9	550.4	581.4	612.4	628.8	642.6	672.7	708.2	737.4	756.9
20°	489.7	516.3	547.3	580.1	616.9	629.7	647.9	688.2	720.1	748.9	780.8
22.5°	476.8	507.9	540.7	572.1	610.2	637.3	657.2	692.7	731.2	764.5	800.3
25°	464.4	498.1	526.9	569.9	610.2	628.4	651.0	693.1	735.2	775.5	812.3
27.5°	451.1	482.6	521.6	555.7	601.4	621.3	645.7	691.8	736.5	776.9	816.3
30°	436.5	470.2	502.5	542.9	587.2	612.9	635.5	685.6	731.2	773.3	810.1
32.5°	420.1	452.0	486.6	524.7	571.2	597.4	625.7	677.1	725.9	762.2	790.6
35°	402.8	435.2	465.3	504.3	552.2	578.3	605.8	662.5	710.8	740.5	756.9
37.5°	383.8	414.4	444.0	482.6	530.5	558.4	586.3	641.3	686.9	711.7	707.3
40°	365.6	393.1	420.6	456.9	507.0	536.7	561.0	616.4	656.3	667.0	652.3
42.5°	344.8	368.3	394.9	432.1	480.8	508.7	539.3	589.8	619.5	615.1	590.3
45°	321.3	342.1	368.7	403.7	453.4	482.2	507.9	555.7	577.4	566.4	521.2
47.5°	298.7	319.1	340.8	375.8	424.1	448.5	474.6	517.6	530.0	506.5	461.3
50°	274.3	291.2	313.8	347.0	392.2	417.9	439.6	474.2	478.6	449.8	402.8
52.5°	250.8	265.0	286.7	319.5	361.6	382.0	403.3	433.9	430.3	400.6	355.4
55°	226.0	239.3	259.2	289.4	326.6	346.1	364.3	391.3	383.8	353.2	313.8
57.5°	205.2	214.5	234.0	261.9	292.5	313.8	329.3	350.5	339.0	308.4	271.7
60°	181.3	192.8	209.2	231.8	261.9	276.1	289.8	304.0	296.0	266.8	234.0
62.5°	159.5	168.4	182.6	204.3	227.8	240.6	255.3	264.1	256.1	229.1	201.6
65°	140.9	148.0	159.1	176.8	199.4	210.1	218.5	226.9	220.3	195.0	175.0
67.5°	120.5	126.7	136.0	150.2	169.3	176.8	184.8	190.6	183.0	166.2	146.7
70°	102.4	106.8	115.7	126.3	139.6	146.7	153.3	159.1	152.4	138.3	123.6
72.5°	83.8	87.3	95.3	102.8	114.8	119.7	124.5	129.0	126.7	113.4	101.5
75°	69.1	70.5	75.8	82.0	89.5	94.8	98.4	101.0	99.3	88.6	81.1
77.5°	52.3	54.1	58.1	62.9	69.6	72.7	74.9	77.6	75.3	66.9	61.6
80°	38.1	38.6	40.8	45.2	49.6	50.1	52.3	55.8	54.5	48.7	44.8
82.5°	24.4	25.7	26.6	29.2	32.4	33.2	34.6	35.5	35.0	31.5	30.1
85°	14.2	14.2	15.1	16.8	17.7	19.1	19.5	19.9	20.8	18.6	17.3
87.5°	6.2	6.6	6.6	7.1	8.0	8.0	8.4	8.9	9.3	8.9	7.5
90°	1.0	2.9	5.7	6.7	7.6	7.6	7.6	13.3	13.3	15.2	17.1
92.5°	13.3	19.0	29.5	43.7	60.8	73.2	85.5	144.5	236.6	326.0	372.5
95°	31.4	34.2	43.7	56.1	78.9	98.8	118.8	201.5	357.3	584.5	774.5
97.5°	52.3	52.3	60.8	72.2	92.2	109.3	126.4	192.0	326.0	559.8	828.7
100°	72.2	72.2	78.9	90.3	108.3	123.6	138.8	194.8	302.2	496.1	764.1
102.5°	91.2	93.1	98.8	109.3	126.4	140.6	154.9	204.3	295.6	453.3	683.3
105°	111.2	114.0	118.8	130.2	147.3	161.1	174.9	220.5	299.4	432.4	623.4
107.5°	133.0	134.9	139.7	152.1	168.2	182.0	195.8	237.6	310.8	426.7	584.5
110°	154.9	156.8	161.6	173.0	190.1	202.9	215.7	257.5	324.1	428.6	566.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	175.8	177.7	183.4	193.9	211.0	223.8	236.6	276.6	338.3	434.3	557.9
115°	195.8	198.6	205.3	214.8	232.8	245.6	258.5	296.5	353.5	441.9	556.0
117.5°	216.7	219.5	225.2	235.7	252.8	266.1	279.4	315.5	368.7	449.5	555.0
120°	237.6	239.5	246.1	256.6	272.7	286.0	299.4	335.5	384.9	458.1	555.0
122.5°	256.6	258.5	265.1	274.6	292.7	305.5	318.4	354.5	400.1	466.6	554.1
125°	272.7	276.6	282.3	292.7	310.8	324.1	337.4	371.6	415.3	475.2	553.1
127.5°	288.0	290.8	297.5	308.9	327.9	341.2	354.5	387.7	428.6	481.8	551.2
130°	300.3	304.1	311.7	326.0	344.0	357.8	371.6	403.9	441.0	489.4	550.2
132.5°	312.7	315.5	326.0	339.3	359.2	372.0	384.9	417.2	453.3	496.1	549.3
135°	324.1	327.9	337.4	353.5	373.5	385.8	398.2	429.6	463.8	502.7	548.3
137.5°	335.5	339.3	349.7	364.9	385.8	397.7	409.6	439.1	471.4	506.5	548.3
140°	347.8	350.7	361.1	377.3	397.2	408.6	420.1	448.6	479.0	511.3	547.4
142.5°	361.1	364.0	373.5	388.7	407.7	418.6	429.6	457.1	484.7	515.1	547.4
145°	373.5	376.3	385.8	399.1	417.2	427.6	438.1	462.8	488.5	516.0	545.5
147.5°	387.7	388.7	397.2	411.5	426.7	436.2	445.7	469.5	492.3	517.0	542.6
150°	401.0	402.0	409.6	421.0	435.3	444.3	453.3	474.2	495.1	517.0	539.8
152.5°	413.4	413.4	421.0	431.5	443.8	451.9	460.0	478.0	497.0	515.1	535.0
155°	424.8	425.8	431.5	441.0	451.4	458.6	465.7	481.8	498.0	513.2	530.3
157.5°	436.2	436.2	441.9	449.5	459.0	464.7	470.4	484.7	498.0	511.3	525.5
160°	446.7	446.7	450.5	457.1	464.7	470.0	475.2	486.6	498.0	508.4	519.8
162.5°	456.2	455.2	458.1	463.8	470.4	474.2	478.0	488.5	498.0	505.6	514.1
165°	462.8	462.8	464.7	469.5	474.2	477.0	479.9	488.5	496.1	501.8	508.4
167.5°	470.4	469.5	470.4	474.2	477.1	479.4	481.8	488.5	494.2	498.0	502.7
170°	475.2	474.2	475.2	478.0	479.9	481.4	482.8	487.5	492.3	494.2	497.0
172.5°	479.9	479.0	479.0	480.9	481.8	482.8	483.7	486.6	490.4	490.4	491.3
175°	482.8	481.8	481.8	482.8	483.7	483.7	483.7	485.6	488.5	487.5	487.5
177.5°	484.7	483.7	482.8	483.7	483.7	483.7	483.7	484.7	486.6	484.7	484.7
180°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	558.8	566.8	570.3	571.2	576.1	573.0	574.3	573.9	577.4	577.9	577.9
5°	599.6	608.9	612.0	616.4	623.1	624.9	623.5	626.2	631.1	627.5	632.8
7.5°	642.6	652.8	659.9	669.6	671.8	677.6	681.1	684.2	685.1	685.6	686.5
10°	682.5	695.3	705.1	721.5	725.0	728.1	743.6	737.4	745.4	742.7	743.6
12.5°	714.8	740.1	748.1	775.5	778.2	788.8	787.9	797.7	799.5	803.0	799.5
15°	757.4	786.6	799.5	815.0	823.8	836.2	838.5	851.8	857.1	861.9	857.1
17.5°	796.4	811.9	844.7	857.1	862.8	869.5	886.3	891.2	899.2	896.1	904.9
20°	815.9	838.0	872.6	893.9	902.7	908.9	923.1	930.6	933.7	933.7	934.6
22.5°	833.1	865.0	890.8	915.1	923.1	927.5	936.0	941.7	943.0	943.9	944.8
25°	848.7	877.5	898.3	912.0	915.1	915.1	920.0	916.5	910.7	915.1	917.8
27.5°	848.7	869.0	878.3	883.2	883.2	871.3	864.2	849.5	837.1	833.6	841.6
30°	834.5	843.8	830.9	819.0	809.7	801.7	773.8	751.6	747.2	744.1	756.0
32.5°	801.7	789.7	764.5	729.9	716.1	698.0	676.3	659.4	649.2	645.7	643.0
35°	743.6	712.6	679.8	633.3	623.5	600.5	570.8	558.4	541.5	541.1	546.9
37.5°	680.2	632.4	596.9	552.6	538.9	514.5	486.6	473.7	462.2	453.4	464.0
40°	606.2	564.6	510.5	474.2	454.7	441.8	418.3	404.2	398.8	394.4	401.1
42.5°	537.1	491.5	449.4	412.1	396.2	381.6	366.0	352.3	348.3	347.9	352.8
45°	468.4	423.7	384.7	352.8	342.6	333.7	318.6	314.6	308.0	303.6	305.8
47.5°	413.5	367.4	335.0	310.7	301.8	294.3	284.5	277.9	272.1	270.3	273.0
50°	359.4	328.4	295.1	274.8	268.1	261.0	253.5	247.3	244.6	242.9	244.6
52.5°	316.0	282.7	260.1	243.7	237.1	231.8	226.5	223.8	220.3	221.1	222.9
55°	277.0	247.7	228.7	216.7	212.7	210.5	203.9	200.8	199.4	198.5	199.4
57.5°	240.2	218.9	204.7	194.5	189.2	187.9	182.6	182.6	181.3	179.9	180.4
60°	210.9	192.8	179.0	171.1	170.2	168.0	164.4	164.0	160.9	162.2	162.6
62.5°	181.3	166.6	157.3	152.4	149.3	148.5	146.2	145.8	144.5	144.9	144.0
65°	157.8	145.8	136.5	132.5	131.2	130.7	129.0	127.6	126.7	127.6	126.7
67.5°	134.3	126.3	119.2	115.2	113.4	113.0	111.7	110.8	111.2	109.9	110.8
70°	112.1	104.1	99.7	97.5	96.6	95.3	95.3	95.3	95.3	94.4	93.9
72.5°	94.4	86.4	83.3	82.0	81.1	80.7	79.3	79.8	79.3	78.9	80.7
75°	74.9	70.0	66.9	65.6	66.5	65.1	63.8	64.7	63.4	63.8	65.6
77.5°	56.7	54.5	52.7	51.8	51.0	50.1	50.1	49.2	49.2	49.2	49.2
80°	41.2	40.8	37.7	37.2	37.2	36.3	36.3	36.3	36.3	35.9	36.3
82.5°	27.5	27.0	26.1	25.7	24.8	25.3	25.3	24.4	24.4	23.9	24.4
85°	16.0	16.0	15.1	14.6	14.2	14.6	13.7	13.3	13.7	13.3	13.7
87.5°	7.5	6.6	7.1	6.6	5.8	6.2	5.3	5.8	5.3	4.9	5.8
90°	16.2	17.1	18.1	19.0	19.0	19.0	20.0	20.9	20.0	20.0	20.0
92.5°	309.8	229.0	171.1	134.9	123.0	111.2	96.9	90.3	86.5	86.5	86.5
95°	796.4	704.2	556.9	429.6	383.5	337.4	290.8	261.3	244.2	231.9	244.2
97.5°	998.8	1014.0	940.8	836.3	783.1	729.9	665.2	608.2	579.7	556.9	579.7
100°	1007.4	1146.1	1165.1	1118.6	1083.4	1048.2	965.6	907.6	879.1	871.5	879.1
102.5°	936.1	1139.5	1252.6	1281.1	1271.6	1262.1	1219.3	1181.3	1150.9	1145.2	1150.9
105°	846.8	1064.4	1228.8	1322.9	1342.4	1361.8	1363.7	1356.1	1342.8	1337.1	1342.8
107.5°	773.6	972.2	1149.9	1281.1	1321.0	1360.9	1402.7	1419.8	1427.4	1428.4	1427.4
110°	721.3	890.5	1054.9	1192.7	1245.0	1297.2	1364.7	1404.6	1421.7	1430.3	1421.7

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	691.9	830.6	971.3	1099.5	1151.8	1204.1	1283.0	1333.3	1359.0	1374.2	1359.0
115°	675.7	794.5	911.4	1022.6	1068.2	1113.8	1188.9	1245.9	1276.3	1283.9	1276.3
117.5°	667.1	773.6	872.4	962.7	1002.6	1042.5	1109.1	1158.5	1190.8	1195.5	1190.8
120°	660.5	760.3	848.7	924.7	958.4	992.2	1046.3	1088.1	1112.9	1123.3	1112.9
122.5°	652.9	748.9	833.5	900.9	929.4	957.9	1001.7	1035.9	1055.8	1066.3	1055.8
125°	644.3	735.6	817.3	882.9	909.0	935.1	973.2	1000.7	1018.8	1024.5	1018.8
127.5°	632.9	720.4	799.2	864.8	889.5	914.2	952.2	977.0	992.2	997.9	992.2
130°	622.5	701.4	776.4	841.1	866.2	891.4	930.4	954.1	969.4	975.1	969.4
132.5°	613.0	681.4	750.8	813.5	838.7	863.9	901.9	929.4	943.7	949.4	943.7
135°	603.5	663.3	725.1	783.1	806.8	830.6	868.6	895.2	910.4	916.1	910.4
137.5°	594.9	646.2	700.4	750.8	772.6	794.5	830.6	858.2	870.5	877.2	870.5
140°	588.3	632.0	676.6	719.4	739.3	759.3	792.6	813.5	826.8	834.4	826.8
142.5°	582.6	618.7	656.7	691.9	708.5	725.1	753.6	772.6	784.0	788.8	784.0
145°	575.9	606.3	638.6	667.1	680.4	693.8	717.5	733.7	743.2	747.9	743.2
147.5°	570.2	595.9	622.5	646.2	657.2	668.1	686.1	700.4	708.0	709.9	708.0
150°	563.6	586.4	608.2	627.2	635.8	644.3	659.5	671.9	677.6	678.5	677.6
152.5°	556.0	575.9	594.0	611.1	617.8	624.4	636.7	646.2	649.1	650.0	649.1
155°	548.3	565.5	580.7	594.9	600.6	606.3	615.8	623.4	626.3	626.3	626.3
157.5°	540.7	554.1	567.4	579.7	584.4	589.2	596.8	602.5	604.4	604.4	604.4
160°	532.2	543.6	554.1	564.5	568.3	572.1	577.8	583.5	584.5	584.5	584.5
162.5°	524.6	533.1	541.7	549.3	552.6	556.0	559.8	565.5	566.4	565.5	566.4
165°	516.0	523.6	529.3	536.0	538.4	540.7	544.5	548.3	547.4	546.4	547.4
167.5°	508.4	514.1	518.9	524.6	526.0	527.4	529.3	532.2	532.2	531.2	532.2
170°	500.8	505.6	508.4	512.2	513.7	515.1	517.0	517.9	517.0	517.0	517.0
172.5°	494.2	498.0	499.9	501.8	502.8	503.7	504.6	505.6	504.6	502.7	504.6
175°	489.4	491.3	492.3	494.2	494.2	494.2	494.2	496.1	494.2	492.3	494.2
177.5°	485.6	486.6	487.5	487.5	488.0	488.5	487.5	488.5	486.6	484.7	486.6
180°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	577.0	575.7	573.9	573.9	571.7	571.7	568.1	561.9	556.6	554.8	555.7
5°	626.2	626.6	624.0	621.8	617.8	614.7	608.9	597.8	594.3	587.2	582.3
7.5°	682.5	680.7	675.8	672.3	671.4	664.3	651.9	638.6	628.0	620.9	610.7
10°	745.8	738.7	731.7	729.4	724.1	712.2	698.0	683.4	668.7	653.2	635.9
12.5°	799.0	785.3	784.8	779.5	769.3	762.7	745.8	725.0	699.7	682.5	663.0
15°	856.2	843.3	832.7	822.9	818.1	798.6	784.4	758.2	728.1	709.5	696.2
17.5°	897.0	891.2	873.0	868.6	861.9	839.3	816.7	791.0	764.9	738.7	702.9
20°	929.7	926.2	914.2	908.0	897.4	879.7	852.2	822.5	792.4	755.1	721.5
22.5°	943.9	939.5	929.7	924.4	917.8	902.7	879.2	845.5	806.1	772.9	737.0
25°	916.0	924.0	921.3	919.1	916.5	907.6	889.9	860.2	821.6	783.9	739.2
27.5°	853.1	866.8	880.1	881.9	886.3	889.9	882.8	861.5	829.2	789.3	740.1
30°	768.4	774.6	801.7	809.7	815.9	838.5	851.8	846.4	821.6	785.7	740.5
32.5°	659.9	676.3	703.7	722.8	739.6	764.9	799.5	813.2	804.3	775.1	730.3
35°	557.1	576.6	608.5	632.8	649.7	685.6	726.3	756.0	767.1	752.5	712.6
37.5°	472.9	496.3	524.7	534.0	553.5	597.8	654.1	695.3	722.3	723.7	692.7
40°	409.5	421.4	444.0	458.2	477.3	514.5	569.5	624.0	664.7	678.5	662.1
42.5°	355.9	365.2	382.0	399.3	416.6	444.9	495.5	546.4	601.4	628.8	628.4
45°	313.3	323.1	334.6	348.8	360.7	391.3	431.2	483.5	530.9	573.4	584.1
47.5°	276.1	284.5	298.7	304.9	312.9	341.7	376.2	425.0	474.2	522.9	535.3
50°	248.6	255.7	265.5	269.4	278.3	299.6	327.9	367.4	421.9	466.6	489.7
52.5°	223.8	229.1	236.6	239.7	246.0	261.9	287.6	318.6	363.8	409.9	442.3
55°	202.5	206.1	211.4	214.9	219.4	233.5	252.6	280.5	319.5	359.4	390.9
57.5°	182.6	185.2	190.6	192.3	195.9	207.0	220.3	243.7	279.6	315.1	345.7
60°	164.0	165.7	168.8	172.8	175.5	183.0	195.4	214.9	243.7	276.1	300.9
62.5°	146.2	148.9	149.8	151.6	153.8	160.9	170.6	184.8	210.1	236.6	262.8
65°	128.1	130.3	132.1	132.5	134.7	140.0	148.9	161.3	177.7	200.8	225.1
67.5°	111.2	112.6	113.4	115.2	117.4	120.1	127.2	136.5	151.6	170.2	189.7
70°	95.7	95.7	97.1	97.5	100.2	103.3	106.4	115.2	128.5	143.6	156.9
72.5°	78.9	81.1	80.7	82.9	82.4	84.6	88.6	94.4	104.1	116.1	129.0
75°	64.3	65.6	65.6	65.6	66.5	68.2	70.5	75.8	83.3	93.1	100.6
77.5°	50.1	51.0	51.0	51.0	51.4	53.2	55.4	58.9	64.3	70.0	74.5
80°	35.9	36.8	36.8	37.7	37.7	38.1	40.3	42.1	44.8	49.2	53.6
82.5°	24.4	24.8	25.7	25.7	25.3	26.1	26.6	28.4	31.0	31.9	35.0
85°	13.3	13.7	14.2	14.2	14.6	15.5	15.1	16.8	16.8	18.6	19.5
87.5°	5.3	6.2	6.2	5.8	6.2	6.2	6.2	7.1	7.5	8.0	7.5
90°	20.9	20.0	19.0	19.0	19.0	18.1	17.1	16.2	17.1	15.2	13.3
92.5°	90.3	96.9	111.2	123.0	134.9	171.1	229.0	309.8	372.5	326.0	236.6
95°	261.3	290.8	337.4	383.5	429.6	556.9	704.2	796.4	774.5	584.5	357.3
97.5°	608.2	665.2	729.9	783.1	836.3	940.8	1014.0	998.8	828.7	559.8	326.0
100°	907.6	965.6	1048.2	1083.4	1118.6	1165.1	1146.1	1007.4	764.1	496.1	302.2
102.5°	1181.3	1219.3	1262.1	1271.6	1281.1	1252.6	1139.5	936.1	683.3	453.3	295.6
105°	1356.1	1363.7	1361.8	1342.4	1322.9	1228.8	1064.4	846.8	623.4	432.4	299.4
107.5°	1419.8	1402.7	1360.9	1321.0	1281.1	1149.9	972.2	773.6	584.5	426.7	310.8
110°	1404.6	1364.7	1297.2	1245.0	1192.7	1054.9	890.5	721.3	566.4	428.6	324.1

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1333.3	1283.0	1204.1	1151.8	1099.5	971.3	830.6	691.9	557.9	434.3	338.3
115°	1245.9	1188.9	1113.8	1068.2	1022.6	911.4	794.5	675.7	556.0	441.9	353.5
117.5°	1158.5	1109.1	1042.5	1002.6	962.7	872.4	773.6	667.1	555.0	449.5	368.7
120°	1088.1	1046.3	992.2	958.4	924.7	848.7	760.3	660.5	555.0	458.1	384.9
122.5°	1035.9	1001.7	957.9	929.4	900.9	833.5	748.9	652.9	554.1	466.6	400.1
125°	1000.7	973.2	935.1	909.0	882.9	817.3	735.6	644.3	553.1	475.2	415.3
127.5°	977.0	952.2	914.2	889.5	864.8	799.2	720.4	632.9	551.2	481.8	428.6
130°	954.1	930.4	891.4	866.2	841.1	776.4	701.4	622.5	550.2	489.4	441.0
132.5°	929.4	901.9	863.9	838.7	813.5	750.8	681.4	613.0	549.3	496.1	453.3
135°	895.2	868.6	830.6	806.8	783.1	725.1	663.3	603.5	548.3	502.7	463.8
137.5°	858.2	830.6	794.5	772.6	750.8	700.4	646.2	594.9	548.3	506.5	471.4
140°	813.5	792.6	759.3	739.3	719.4	676.6	632.0	588.3	547.4	511.3	479.0
142.5°	772.6	753.6	725.1	708.5	691.9	656.7	618.7	582.6	547.4	515.1	484.7
145°	733.7	717.5	693.8	680.4	667.1	638.6	606.3	575.9	545.5	516.0	488.5
147.5°	700.4	686.1	668.1	657.2	646.2	622.5	595.9	570.2	542.6	517.0	492.3
150°	671.9	659.5	644.3	635.8	627.2	608.2	586.4	563.6	539.8	517.0	495.1
152.5°	646.2	636.7	624.4	617.8	611.1	594.0	575.9	556.0	535.0	515.1	497.0
155°	623.4	615.8	606.3	600.6	594.9	580.7	565.5	548.3	530.3	513.2	498.0
157.5°	602.5	596.8	589.2	584.4	579.7	567.4	554.1	540.7	525.5	511.3	498.0
160°	583.5	577.8	572.1	568.3	564.5	554.1	543.6	532.2	519.8	508.4	498.0
162.5°	565.5	559.8	556.0	552.6	549.3	541.7	533.1	524.6	514.1	505.6	498.0
165°	548.3	544.5	540.7	538.4	536.0	529.3	523.6	516.0	508.4	501.8	496.1
167.5°	532.2	529.3	527.4	526.0	524.6	518.9	514.1	508.4	502.7	498.0	494.2
170°	517.9	517.0	515.1	513.7	512.2	508.4	505.6	500.8	497.0	494.2	492.3
172.5°	505.6	504.6	503.7	502.8	501.8	499.9	498.0	494.2	491.3	490.4	490.4
175°	496.1	494.2	494.2	494.2	494.2	492.3	491.3	489.4	487.5	487.5	488.5
177.5°	488.5	487.5	488.5	488.0	487.5	487.5	486.6	485.6	484.7	484.7	486.6
180°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	551.7	550.0	548.6	548.6	544.6	540.7	538.4	537.6	536.7	533.1	528.2
5°	574.3	568.6	564.6	560.6	553.9	546.9	539.8	535.8	530.0	522.0	516.3
7.5°	599.6	585.9	581.4	576.6	563.3	551.3	541.5	533.1	523.8	513.6	503.4
10°	620.9	606.2	596.5	588.1	570.8	554.8	540.2	527.8	515.8	502.5	490.1
12.5°	641.3	620.4	610.2	597.8	579.7	556.6	537.6	522.0	504.3	490.6	475.5
15°	669.6	634.6	617.8	609.8	585.4	558.4	535.3	512.3	497.7	476.8	463.5
17.5°	674.0	645.7	634.6	614.2	585.0	554.4	527.8	504.8	482.6	464.0	446.7
20°	689.6	652.3	634.6	621.8	583.2	552.2	522.9	493.2	472.0	452.0	432.5
22.5°	699.3	657.2	638.6	618.2	581.4	544.2	509.6	483.9	457.8	437.4	421.9
25°	696.6	654.5	633.7	614.7	569.9	532.7	501.7	468.9	444.5	422.3	401.9
27.5°	695.3	647.9	625.7	604.5	562.4	523.4	484.4	457.8	430.8	405.0	390.0
30°	691.8	639.5	613.8	590.7	546.9	506.1	472.9	441.8	414.8	391.3	371.4
32.5°	679.8	625.3	600.5	575.7	530.0	489.2	455.6	426.8	399.7	375.4	356.3
35°	663.9	608.5	581.4	555.3	509.6	468.4	437.4	407.3	382.0	358.5	340.3
37.5°	647.9	589.0	563.7	533.6	491.5	448.5	416.6	389.5	366.0	341.7	321.7
40°	624.9	565.9	538.0	512.3	463.1	422.8	393.5	369.2	346.1	323.1	306.2
42.5°	593.4	540.7	511.8	483.5	437.4	397.5	369.2	347.4	325.7	306.7	288.1
45°	561.5	510.1	484.4	459.1	409.0	371.4	345.2	325.3	307.1	286.3	271.2
47.5°	522.9	479.5	453.8	429.0	381.6	343.9	320.0	301.3	284.5	267.2	253.0
50°	483.5	445.8	422.3	396.6	351.4	317.3	293.8	278.3	264.6	248.2	236.6
52.5°	440.9	408.1	388.2	363.4	323.5	292.0	268.1	252.6	241.1	229.1	218.9
55°	395.7	371.8	350.5	330.6	292.9	264.6	243.3	229.6	221.6	210.5	201.6
57.5°	355.0	331.9	319.1	296.5	263.7	235.8	218.9	207.4	198.1	191.4	184.4
60°	312.4	293.8	279.6	263.2	234.4	210.9	193.2	186.6	176.8	171.9	168.8
62.5°	271.7	258.4	245.1	232.7	207.0	184.8	171.5	163.1	157.3	152.4	149.8
65°	233.1	220.7	211.4	200.3	179.0	161.3	148.9	142.3	136.5	135.2	132.1
67.5°	195.4	190.1	179.9	171.1	152.9	139.2	129.8	121.4	118.3	117.0	114.3
70°	163.5	157.3	149.3	141.8	128.1	116.1	107.7	104.6	100.2	99.7	96.6
72.5°	134.7	127.2	121.4	115.7	105.5	94.8	90.4	86.0	83.8	82.0	80.7
75°	106.8	101.5	97.5	92.6	83.8	76.7	70.5	68.7	67.4	66.9	66.0
77.5°	79.8	76.2	74.5	69.6	63.4	57.2	54.5	51.8	51.8	51.0	51.4
80°	56.7	54.5	52.3	49.6	44.3	41.7	39.4	37.7	36.8	36.3	36.8
82.5°	35.9	34.6	34.1	32.4	28.8	27.5	25.7	24.4	24.4	24.4	24.4
85°	19.9	19.9	19.9	17.3	16.0	14.6	13.7	13.3	13.3	13.3	13.7
87.5°	8.4	8.4	7.1	7.1	6.6	5.8	5.3	5.3	5.8	5.8	6.2
90°	13.3	7.6	7.6	7.6	6.7	5.7	2.9	1.0	2.9	5.7	6.7
92.5°	144.5	85.5	73.2	60.8	43.7	29.5	19.0	13.3	19.0	29.5	43.7
95°	201.5	118.8	98.8	78.9	56.1	43.7	34.2	31.4	34.2	43.7	56.1
97.5°	192.0	126.4	109.3	92.2	72.2	60.8	52.3	52.3	52.3	60.8	72.2
100°	194.8	138.8	123.6	108.3	90.3	78.9	72.2	72.2	72.2	78.9	90.3
102.5°	204.3	154.9	140.6	126.4	109.3	98.8	93.1	91.2	93.1	98.8	109.3
105°	220.5	174.9	161.1	147.3	130.2	118.8	114.0	111.2	114.0	118.8	130.2
107.5°	237.6	195.8	182.0	168.2	152.1	139.7	134.9	133.0	134.9	139.7	152.1
110°	257.5	215.7	202.9	190.1	173.0	161.6	156.8	154.9	156.8	161.6	173.0

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	276.6	236.6	223.8	211.0	193.9	183.4	177.7	175.8	177.7	183.4	193.9
115°	296.5	258.5	245.6	232.8	214.8	205.3	198.6	195.8	198.6	205.3	214.8
117.5°	315.5	279.4	266.1	252.8	235.7	225.2	219.5	216.7	219.5	225.2	235.7
120°	335.5	299.4	286.0	272.7	256.6	246.1	239.5	237.6	239.5	246.1	256.6
122.5°	354.5	318.4	305.5	292.7	274.6	265.1	258.5	256.6	258.5	265.1	274.6
125°	371.6	337.4	324.1	310.8	292.7	282.3	276.6	272.7	276.6	282.3	292.7
127.5°	387.7	354.5	341.2	327.9	308.9	297.5	290.8	288.0	290.8	297.5	308.9
130°	403.9	371.6	357.8	344.0	326.0	311.7	304.1	300.3	304.1	311.7	326.0
132.5°	417.2	384.9	372.0	359.2	339.3	326.0	315.5	312.7	315.5	326.0	339.3
135°	429.6	398.2	385.8	373.5	353.5	337.4	327.9	324.1	327.9	337.4	353.5
137.5°	439.1	409.6	397.7	385.8	364.9	349.7	339.3	335.5	339.3	349.7	364.9
140°	448.6	420.1	408.6	397.2	377.3	361.1	350.7	347.8	350.7	361.1	377.3
142.5°	457.1	429.6	418.6	407.7	388.7	373.5	364.0	361.1	364.0	373.5	388.7
145°	462.8	438.1	427.6	417.2	399.1	385.8	376.3	373.5	376.3	385.8	399.1
147.5°	469.5	445.7	436.2	426.7	411.5	397.2	388.7	387.7	388.7	397.2	411.5
150°	474.2	453.3	444.3	435.3	421.0	409.6	402.0	401.0	402.0	409.6	421.0
152.5°	478.0	460.0	451.9	443.8	431.5	421.0	413.4	413.4	413.4	421.0	431.5
155°	481.8	465.7	458.6	451.4	441.0	431.5	425.8	424.8	425.8	431.5	441.0
157.5°	484.7	470.4	464.7	459.0	449.5	441.9	436.2	436.2	436.2	441.9	449.5
160°	486.6	475.2	470.0	464.7	457.1	450.5	446.7	446.7	446.7	450.5	457.1
162.5°	488.5	478.0	474.2	470.4	463.8	458.1	455.2	456.2	455.2	458.1	463.8
165°	488.5	479.9	477.0	474.2	469.5	464.7	462.8	462.8	462.8	464.7	469.5
167.5°	488.5	481.8	479.4	477.1	474.2	470.4	469.5	470.4	469.5	470.4	474.2
170°	487.5	482.8	481.4	479.9	478.0	475.2	474.2	475.2	474.2	475.2	478.0
172.5°	486.6	483.7	482.8	481.8	480.9	479.0	479.0	479.9	479.0	479.0	480.9
175°	485.6	483.7	483.7	483.7	482.8	481.8	481.8	482.8	481.8	481.8	482.8
177.5°	484.7	483.7	483.7	483.7	483.7	482.8	483.7	484.7	483.7	482.8	483.7
180°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	526.9	525.1	526.0	521.6	517.6	511.8	507.0	506.1	505.2	507.9	506.1
5°	511.8	509.6	507.4	502.1	494.1	489.2	482.2	481.7	479.1	475.1	476.0
7.5°	495.5	494.1	491.0	482.6	475.5	467.1	461.3	456.5	454.2	450.7	449.4
10°	482.2	477.3	474.6	465.3	456.9	448.0	440.5	437.0	433.0	429.9	427.6
12.5°	464.0	462.7	455.1	447.6	440.5	430.3	424.5	414.4	409.0	411.7	410.8
15°	452.0	445.8	444.0	433.4	421.4	414.8	404.2	397.5	395.3	391.3	386.4
17.5°	436.1	432.1	425.9	416.1	402.4	393.1	385.5	379.3	376.7	371.4	367.4
20°	421.0	414.4	409.5	400.6	387.3	375.4	366.0	362.1	355.4	351.0	348.8
22.5°	407.3	402.4	395.3	382.0	370.5	359.0	347.9	342.1	335.9	333.3	329.7
25°	390.4	382.4	377.6	362.9	350.5	341.2	331.0	323.5	320.0	315.5	314.6
27.5°	374.0	366.5	360.7	347.9	332.8	320.8	314.6	309.3	303.1	303.1	300.9
30°	357.6	352.3	343.4	331.0	316.9	305.3	298.2	293.4	291.2	289.4	288.9
32.5°	341.2	334.1	328.8	312.0	301.3	290.7	285.4	281.4	278.7	278.3	278.7
35°	324.4	316.4	311.1	296.0	285.4	275.6	273.4	269.9	268.6	268.1	270.3
37.5°	306.7	300.5	293.8	281.4	269.4	263.7	259.2	257.9	257.5	260.1	261.0
40°	290.3	285.0	278.7	265.5	256.6	250.4	248.2	246.8	248.6	251.3	252.6
42.5°	274.8	267.2	262.4	250.4	242.4	238.9	236.2	236.2	238.0	241.1	243.3
45°	258.4	252.6	247.7	237.1	230.0	226.0	225.6	226.0	228.2	230.4	233.1
47.5°	242.4	236.6	231.3	222.5	216.3	214.0	213.6	214.0	217.6	220.7	223.8
50°	227.8	221.6	216.7	208.3	203.4	200.8	201.2	203.4	206.1	210.5	214.5
52.5°	210.5	206.1	201.6	194.1	189.7	187.9	189.2	191.0	195.9	199.0	203.9
55°	193.7	189.7	186.1	180.4	176.8	175.5	176.4	179.0	183.0	188.3	194.1
57.5°	178.2	173.7	170.2	166.2	162.2	162.6	163.1	166.6	171.5	176.4	183.0
60°	160.9	158.2	155.1	150.2	148.5	148.5	149.8	153.8	158.2	166.2	171.9
62.5°	145.4	141.8	139.6	136.5	133.8	134.3	137.4	140.9	146.2	152.9	160.4
65°	129.4	125.4	123.6	121.0	120.1	120.5	122.8	128.1	133.8	139.6	146.7
67.5°	111.7	110.3	108.6	105.9	106.8	107.2	109.5	113.9	120.1	125.9	133.8
70°	96.6	93.9	93.5	91.3	91.3	92.6	97.1	100.2	105.9	112.1	120.5
72.5°	80.7	78.4	78.4	76.7	78.0	79.3	81.5	86.0	91.3	97.5	104.6
75°	64.3	63.4	64.3	63.4	63.4	65.6	68.2	71.8	77.6	84.2	90.0
77.5°	49.6	49.6	49.2	50.5	50.5	51.8	55.4	58.9	63.4	68.7	74.9
80°	36.3	36.3	36.3	37.7	39.0	39.0	41.2	45.6	49.6	53.2	58.9
82.5°	24.8	24.8	24.8	25.7	27.5	27.5	30.1	32.8	37.2	40.3	43.0
85°	15.1	15.1	14.6	15.5	16.0	17.3	19.5	21.3	23.5	26.1	28.8
87.5°	6.6	6.6	7.1	7.5	8.0	8.9	9.7	10.6	12.9	13.7	15.1
90°	7.6	7.6	7.6	13.3	13.3	15.2	17.1	16.2	17.1	18.1	19.0
92.5°	60.8	73.2	85.5	144.5	236.6	326.0	372.5	309.8	229.0	171.1	134.9
95°	78.9	98.8	118.8	201.5	357.3	584.5	774.5	796.4	704.2	556.9	429.6
97.5°	92.2	109.3	126.4	192.0	326.0	559.8	828.7	998.8	1014.0	940.8	836.3
100°	108.3	123.6	138.8	194.8	302.2	496.1	764.1	1007.4	1146.1	1165.1	1118.6
102.5°	126.4	140.6	154.9	204.3	295.6	453.3	683.3	936.1	1139.5	1252.6	1281.1
105°	147.3	161.1	174.9	220.5	299.4	432.4	623.4	846.8	1064.4	1228.8	1322.9
107.5°	168.2	182.0	195.8	237.6	310.8	426.7	584.5	773.6	972.2	1149.9	1281.1
110°	190.1	202.9	215.7	257.5	324.1	428.6	566.4	721.3	890.5	1054.9	1192.7

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	211.0	223.8	236.6	276.6	338.3	434.3	557.9	691.9	830.6	971.3	1099.5
115°	232.8	245.6	258.5	296.5	353.5	441.9	556.0	675.7	794.5	911.4	1022.6
117.5°	252.8	266.1	279.4	315.5	368.7	449.5	555.0	667.1	773.6	872.4	962.7
120°	272.7	286.0	299.4	335.5	384.9	458.1	555.0	660.5	760.3	848.7	924.7
122.5°	292.7	305.5	318.4	354.5	400.1	466.6	554.1	652.9	748.9	833.5	900.9
125°	310.8	324.1	337.4	371.6	415.3	475.2	553.1	644.3	735.6	817.3	882.9
127.5°	327.9	341.2	354.5	387.7	428.6	481.8	551.2	632.9	720.4	799.2	864.8
130°	344.0	357.8	371.6	403.9	441.0	489.4	550.2	622.5	701.4	776.4	841.1
132.5°	359.2	372.0	384.9	417.2	453.3	496.1	549.3	613.0	681.4	750.8	813.5
135°	373.5	385.8	398.2	429.6	463.8	502.7	548.3	603.5	663.3	725.1	783.1
137.5°	385.8	397.7	409.6	439.1	471.4	506.5	548.3	594.9	646.2	700.4	750.8
140°	397.2	408.6	420.1	448.6	479.0	511.3	547.4	588.3	632.0	676.6	719.4
142.5°	407.7	418.6	429.6	457.1	484.7	515.1	547.4	582.6	618.7	656.7	691.9
145°	417.2	427.6	438.1	462.8	488.5	516.0	545.5	575.9	606.3	638.6	667.1
147.5°	426.7	436.2	445.7	469.5	492.3	517.0	542.6	570.2	595.9	622.5	646.2
150°	435.3	444.3	453.3	474.2	495.1	517.0	539.8	563.6	586.4	608.2	627.2
152.5°	443.8	451.9	460.0	478.0	497.0	515.1	535.0	556.0	575.9	594.0	611.1
155°	451.4	458.6	465.7	481.8	498.0	513.2	530.3	548.3	565.5	580.7	594.9
157.5°	459.0	464.7	470.4	484.7	498.0	511.3	525.5	540.7	554.1	567.4	579.7
160°	464.7	470.0	475.2	486.6	498.0	508.4	519.8	532.2	543.6	554.1	564.5
162.5°	470.4	474.2	478.0	488.5	498.0	505.6	514.1	524.6	533.1	541.7	549.3
165°	474.2	477.0	479.9	488.5	496.1	501.8	508.4	516.0	523.6	529.3	536.0
167.5°	477.1	479.4	481.8	488.5	494.2	498.0	502.7	508.4	514.1	518.9	524.6
170°	479.9	481.4	482.8	487.5	492.3	494.2	497.0	500.8	505.6	508.4	512.2
172.5°	481.8	482.8	483.7	486.6	490.4	490.4	491.3	494.2	498.0	499.9	501.8
175°	483.7	483.7	483.7	485.6	488.5	487.5	487.5	489.4	491.3	492.3	494.2
177.5°	483.7	483.7	483.7	484.7	486.6	484.7	484.7	485.6	486.6	487.5	487.5
180°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	504.8	504.3	502.1	503.0	500.3	501.2	502.5	503.0	504.8	503.4	503.0
5°	473.7	472.9	471.5	470.2	469.7	471.5	468.4	469.3	470.2	471.5	473.3
7.5°	448.5	448.0	446.7	444.5	443.6	442.7	443.2	446.3	445.8	445.4	448.5
10°	425.4	425.9	423.2	422.8	420.1	419.7	420.1	421.0	422.3	424.1	424.5
12.5°	401.5	407.3	402.4	400.6	396.6	398.8	399.7	395.7	398.0	399.3	405.9
15°	386.4	383.8	380.7	380.7	378.9	378.0	375.8	378.9	380.7	383.3	382.4
17.5°	365.6	361.2	359.4	357.6	358.1	359.8	355.0	362.1	362.1	363.4	361.2
20°	347.4	343.9	341.7	340.8	339.5	338.6	338.1	339.9	342.6	343.4	345.7
22.5°	328.4	328.4	324.8	323.5	322.6	321.3	323.5	322.2	323.9	325.7	329.3
25°	312.4	312.4	311.1	309.3	308.0	307.1	308.4	308.0	309.3	311.5	312.4
27.5°	299.6	298.2	297.8	297.4	296.9	297.4	296.9	298.2	299.6	300.0	299.1
30°	288.5	287.2	287.6	287.6	288.1	287.6	287.2	288.5	288.9	288.1	288.5
32.5°	278.3	278.3	279.2	279.6	279.6	280.1	280.5	279.6	280.1	278.7	279.2
35°	269.9	270.8	271.7	272.1	272.5	272.1	273.0	272.5	271.7	270.8	270.3
37.5°	261.5	262.4	264.1	264.6	265.9	266.3	265.5	265.5	265.0	263.2	262.4
40°	252.6	253.5	255.7	257.0	257.9	259.2	258.4	258.4	256.6	254.8	253.5
42.5°	244.2	246.0	248.2	249.5	251.3	251.3	251.3	250.4	248.2	246.4	245.1
45°	235.8	236.2	239.3	241.5	243.3	243.3	243.3	242.0	240.6	237.1	235.3
47.5°	226.5	227.8	231.3	233.5	235.3	235.8	235.8	234.4	231.8	228.7	226.5
50°	216.3	218.5	222.5	225.6	227.8	228.7	227.3	226.5	223.4	219.8	217.1
52.5°	206.5	209.2	214.0	216.7	219.8	220.3	219.8	218.5	214.9	210.1	207.8
55°	196.8	199.0	204.3	208.7	211.4	212.3	211.4	209.2	204.7	199.9	197.6
57.5°	186.1	189.2	195.0	199.4	202.5	203.0	202.1	199.9	196.3	190.1	187.0
60°	175.0	179.0	184.8	189.2	193.2	193.7	192.8	189.7	185.2	179.0	176.4
62.5°	164.0	167.1	173.7	178.6	181.7	183.9	182.1	179.0	174.6	168.4	164.4
65°	151.1	155.5	161.3	165.7	169.3	169.7	168.8	166.2	161.3	154.7	151.6
67.5°	138.7	141.8	147.6	153.3	154.7	156.0	154.7	152.0	148.0	142.3	137.8
70°	123.6	126.3	133.4	137.4	139.2	140.5	139.6	136.9	133.4	128.1	124.5
72.5°	108.6	110.8	117.4	120.5	124.1	123.6	123.2	121.4	116.6	113.0	110.8
75°	92.6	95.3	99.7	103.7	105.0	105.0	105.0	103.7	100.6	94.8	92.6
77.5°	78.0	79.3	82.9	85.1	86.4	86.9	86.4	84.2	82.4	78.4	77.1
80°	59.8	63.4	66.0	66.5	68.2	68.2	68.2	67.4	65.6	61.6	61.2
82.5°	45.2	46.1	48.7	50.1	51.0	50.5	50.5	48.7	48.3	46.1	45.2
85°	30.6	31.9	31.5	33.2	33.7	32.8	32.8	33.7	31.5	31.9	30.6
87.5°	16.8	16.8	17.7	17.3	19.1	19.1	18.2	18.6	17.7	17.3	16.8
90°	19.0	19.0	20.0	20.9	20.0	20.0	20.0	20.9	20.0	19.0	19.0
92.5°	123.0	111.2	96.9	90.3	86.5	86.5	86.5	90.3	96.9	111.2	123.0
95°	383.5	337.4	290.8	261.3	244.2	231.9	244.2	261.3	290.8	337.4	383.5
97.5°	783.1	729.9	665.2	608.2	579.7	556.9	579.7	608.2	665.2	729.9	783.1
100°	1083.4	1048.2	965.6	907.6	879.1	871.5	879.1	907.6	965.6	1048.2	1083.4
102.5°	1271.6	1262.1	1219.3	1181.3	1150.9	1145.2	1150.9	1181.3	1219.3	1262.1	1271.6
105°	1342.4	1361.8	1363.7	1356.1	1342.8	1337.1	1342.8	1356.1	1363.7	1361.8	1342.4
107.5°	1321.0	1360.9	1402.7	1419.8	1427.4	1428.4	1427.4	1419.8	1402.7	1360.9	1321.0
110°	1245.0	1297.2	1364.7	1404.6	1421.7	1430.3	1421.7	1404.6	1364.7	1297.2	1245.0

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1151.8	1204.1	1283.0	1333.3	1359.0	1374.2	1359.0	1333.3	1283.0	1204.1	1151.8
115°	1068.2	1113.8	1188.9	1245.9	1276.3	1283.9	1276.3	1245.9	1188.9	1113.8	1068.2
117.5°	1002.6	1042.5	1109.1	1158.5	1190.8	1195.5	1190.8	1158.5	1109.1	1042.5	1002.6
120°	958.4	992.2	1046.3	1088.1	1112.9	1123.3	1112.9	1088.1	1046.3	992.2	958.4
122.5°	929.4	957.9	1001.7	1035.9	1055.8	1066.3	1055.8	1035.9	1001.7	957.9	929.4
125°	909.0	935.1	973.2	1000.7	1018.8	1024.5	1018.8	1000.7	973.2	935.1	909.0
127.5°	889.5	914.2	952.2	977.0	992.2	997.9	992.2	977.0	952.2	914.2	889.5
130°	866.2	891.4	930.4	954.1	969.4	975.1	969.4	954.1	930.4	891.4	866.2
132.5°	838.7	863.9	901.9	929.4	943.7	949.4	943.7	929.4	901.9	863.9	838.7
135°	806.8	830.6	868.6	895.2	910.4	916.1	910.4	895.2	868.6	830.6	806.8
137.5°	772.6	794.5	830.6	858.2	870.5	877.2	870.5	858.2	830.6	794.5	772.6
140°	739.3	759.3	792.6	813.5	826.8	834.4	826.8	813.5	792.6	759.3	739.3
142.5°	708.5	725.1	753.6	772.6	784.0	788.8	784.0	772.6	753.6	725.1	708.5
145°	680.4	693.8	717.5	733.7	743.2	747.9	743.2	733.7	717.5	693.8	680.4
147.5°	657.2	668.1	686.1	700.4	708.0	709.9	708.0	700.4	686.1	668.1	657.2
150°	635.8	644.3	659.5	671.9	677.6	678.5	677.6	671.9	659.5	644.3	635.8
152.5°	617.8	624.4	636.7	646.2	649.1	650.0	649.1	646.2	636.7	624.4	617.8
155°	600.6	606.3	615.8	623.4	626.3	626.3	626.3	623.4	615.8	606.3	600.6
157.5°	584.4	589.2	596.8	602.5	604.4	604.4	604.4	602.5	596.8	589.2	584.4
160°	568.3	572.1	577.8	583.5	584.5	584.5	584.5	583.5	577.8	572.1	568.3
162.5°	552.6	556.0	559.8	565.5	566.4	565.5	566.4	565.5	559.8	556.0	552.6
165°	538.4	540.7	544.5	548.3	547.4	546.4	547.4	548.3	544.5	540.7	538.4
167.5°	526.0	527.4	529.3	532.2	532.2	531.2	532.2	532.2	529.3	527.4	526.0
170°	513.7	515.1	517.0	517.9	517.0	517.0	517.0	517.9	517.0	515.1	513.7
172.5°	502.8	503.7	504.6	505.6	504.6	502.7	504.6	505.6	504.6	503.7	502.8
175°	494.2	494.2	494.2	496.1	494.2	492.3	494.2	496.1	494.2	494.2	494.2
177.5°	488.0	488.5	487.5	488.5	486.6	484.7	486.6	488.5	487.5	488.5	488.0
180°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9	534.9
2.5°	503.0	505.6	503.0	504.8	505.6	507.9	508.7	512.7	514.1	517.2	517.2
5°	472.9	474.2	474.6	476.4	478.2	482.6	485.7	491.5	498.1	499.0	503.0
7.5°	448.5	450.7	454.2	452.9	456.0	462.7	466.6	473.7	480.4	483.9	488.8
10°	426.8	429.4	430.8	432.1	437.8	443.6	449.8	454.7	463.5	468.9	472.9
12.5°	409.0	406.8	409.5	414.4	421.0	424.5	433.0	440.5	447.1	452.9	456.5
15°	386.0	387.8	390.4	398.8	400.6	409.5	412.6	421.0	433.4	438.7	443.2
17.5°	363.8	369.6	374.9	378.0	383.3	390.4	399.3	408.6	416.6	422.8	428.1
20°	346.1	351.9	355.0	357.2	362.5	372.3	380.7	392.2	402.4	407.3	414.4
22.5°	331.9	331.9	336.4	343.0	346.1	355.4	362.5	374.9	386.0	392.2	398.8
25°	314.2	316.9	320.4	326.2	330.6	338.1	348.3	359.0	370.9	376.2	384.7
27.5°	299.6	302.7	307.6	308.9	313.3	320.0	330.6	342.1	354.5	360.3	367.4
30°	288.5	290.3	292.0	294.7	298.7	304.5	313.3	323.5	338.6	343.0	351.9
32.5°	278.7	279.6	280.5	282.7	285.0	290.7	297.8	308.9	321.3	327.9	335.9
35°	269.9	269.0	269.4	270.8	273.0	275.2	282.7	292.0	303.6	311.5	317.7
37.5°	261.5	259.7	259.2	259.2	260.1	262.8	268.6	276.5	288.9	295.6	301.8
40°	252.2	250.4	249.5	249.1	248.6	250.4	254.8	262.8	272.5	278.7	285.8
42.5°	243.3	241.5	239.3	238.9	238.0	238.9	242.0	249.5	257.9	264.1	269.9
45°	234.4	231.3	228.7	226.9	227.3	226.0	228.2	234.0	243.7	247.7	253.5
47.5°	224.7	221.1	217.6	215.8	214.0	214.9	215.8	220.7	229.1	233.1	238.9
50°	215.4	210.5	206.5	204.3	203.0	202.1	203.0	207.8	214.0	217.6	222.5
52.5°	204.7	199.9	195.9	192.3	190.6	189.2	189.7	194.1	199.9	203.4	208.3
55°	195.0	188.8	183.5	179.0	177.7	177.3	176.8	179.9	184.8	188.3	192.3
57.5°	183.9	177.7	171.9	166.6	164.0	163.5	163.5	164.4	170.6	173.3	175.5
60°	172.8	166.2	160.0	155.1	151.1	149.8	149.3	151.1	154.2	156.9	160.0
62.5°	160.4	153.8	146.2	141.8	137.8	134.3	135.6	136.0	140.5	141.8	144.5
65°	148.5	140.9	134.7	127.6	123.2	121.0	120.1	121.0	124.5	125.0	126.7
67.5°	134.7	127.6	120.1	115.2	111.2	107.2	106.4	106.4	108.1	109.5	111.7
70°	121.4	114.3	105.9	100.6	96.6	93.1	91.7	91.3	92.6	93.5	95.7
72.5°	105.9	98.8	92.6	86.9	82.0	79.3	78.0	77.1	78.4	79.3	79.8
75°	89.5	83.8	77.6	71.8	68.7	66.0	64.3	62.9	63.8	63.8	63.8
77.5°	74.0	68.2	63.4	59.4	55.4	52.3	51.0	49.6	50.1	50.1	51.0
80°	57.6	53.6	49.6	46.1	42.5	39.9	39.0	37.7	36.8	36.3	36.3
82.5°	42.5	39.4	35.9	32.8	31.0	28.4	27.5	25.7	25.7	25.3	25.3
85°	28.4	26.6	23.0	20.8	19.5	18.2	17.3	16.4	15.1	15.1	14.6
87.5°	15.1	14.2	13.3	10.6	10.6	9.3	8.9	8.4	7.1	7.5	7.5
90°	19.0	18.1	17.1	16.2	17.1	15.2	13.3	13.3	7.6	7.6	7.6
92.5°	134.9	171.1	229.0	309.8	372.5	326.0	236.6	144.5	85.5	73.2	60.8
95°	429.6	556.9	704.2	796.4	774.5	584.5	357.3	201.5	118.8	98.8	78.9
97.5°	836.3	940.8	1014.0	998.8	828.7	559.8	326.0	192.0	126.4	109.3	92.2
100°	1118.6	1165.1	1146.1	1007.4	764.1	496.1	302.2	194.8	138.8	123.6	108.3
102.5°	1281.1	1252.6	1139.5	936.1	683.3	453.3	295.6	204.3	154.9	140.6	126.4
105°	1322.9	1228.8	1064.4	846.8	623.4	432.4	299.4	220.5	174.9	161.1	147.3
107.5°	1281.1	1149.9	972.2	773.6	584.5	426.7	310.8	237.6	195.8	182.0	168.2
110°	1192.7	1054.9	890.5	721.3	566.4	428.6	324.1	257.5	215.7	202.9	190.1

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1099.5	971.3	830.6	691.9	557.9	434.3	338.3	276.6	236.6	223.8	211.0
115°	1022.6	911.4	794.5	675.7	556.0	441.9	353.5	296.5	258.5	245.6	232.8
117.5°	962.7	872.4	773.6	667.1	555.0	449.5	368.7	315.5	279.4	266.1	252.8
120°	924.7	848.7	760.3	660.5	555.0	458.1	384.9	335.5	299.4	286.0	272.7
122.5°	900.9	833.5	748.9	652.9	554.1	466.6	400.1	354.5	318.4	305.5	292.7
125°	882.9	817.3	735.6	644.3	553.1	475.2	415.3	371.6	337.4	324.1	310.8
127.5°	864.8	799.2	720.4	632.9	551.2	481.8	428.6	387.7	354.5	341.2	327.9
130°	841.1	776.4	701.4	622.5	550.2	489.4	441.0	403.9	371.6	357.8	344.0
132.5°	813.5	750.8	681.4	613.0	549.3	496.1	453.3	417.2	384.9	372.0	359.2
135°	783.1	725.1	663.3	603.5	548.3	502.7	463.8	429.6	398.2	385.8	373.5
137.5°	750.8	700.4	646.2	594.9	548.3	506.5	471.4	439.1	409.6	397.7	385.8
140°	719.4	676.6	632.0	588.3	547.4	511.3	479.0	448.6	420.1	408.6	397.2
142.5°	691.9	656.7	618.7	582.6	547.4	515.1	484.7	457.1	429.6	418.6	407.7
145°	667.1	638.6	606.3	575.9	545.5	516.0	488.5	462.8	438.1	427.6	417.2
147.5°	646.2	622.5	595.9	570.2	542.6	517.0	492.3	469.5	445.7	436.2	426.7
150°	627.2	608.2	586.4	563.6	539.8	517.0	495.1	474.2	453.3	444.3	435.3
152.5°	611.1	594.0	575.9	556.0	535.0	515.1	497.0	478.0	460.0	451.9	443.8
155°	594.9	580.7	565.5	548.3	530.3	513.2	498.0	481.8	465.7	458.6	451.4
157.5°	579.7	567.4	554.1	540.7	525.5	511.3	498.0	484.7	470.4	464.7	459.0
160°	564.5	554.1	543.6	532.2	519.8	508.4	498.0	486.6	475.2	470.0	464.7
162.5°	549.3	541.7	533.1	524.6	514.1	505.6	498.0	488.5	478.0	474.2	470.4
165°	536.0	529.3	523.6	516.0	508.4	501.8	496.1	488.5	479.9	477.0	474.2
167.5°	524.6	518.9	514.1	508.4	502.7	498.0	494.2	488.5	481.8	479.4	477.1
170°	512.2	508.4	505.6	500.8	497.0	494.2	492.3	487.5	482.8	481.4	479.9
172.5°	501.8	499.9	498.0	494.2	491.3	490.4	490.4	486.6	483.7	482.8	481.8
175°	494.2	492.3	491.3	489.4	487.5	487.5	488.5	485.6	483.7	483.7	483.7
177.5°	487.5	487.5	486.6	485.6	484.7	484.7	486.6	484.7	483.7	483.7	483.7
180°	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7	483.7

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	534.9	534.9	534.9	534.9
2.5°	520.3	524.7	528.7	534.9
5°	508.7	515.0	523.4	532.7
7.5°	495.5	505.2	516.3	529.1
10°	483.0	494.1	508.3	523.8
12.5°	470.2	483.5	499.0	515.8
15°	455.6	468.9	486.1	508.7
17.5°	442.3	458.2	476.8	500.8
20°	426.8	441.8	462.2	489.7
22.5°	413.0	430.3	452.9	476.8
25°	398.0	413.0	435.6	464.4
27.5°	382.9	401.5	423.2	451.1
30°	368.3	383.8	407.3	436.5
32.5°	352.3	370.9	392.6	420.1
35°	335.0	352.8	373.1	402.8
37.5°	319.5	336.8	357.6	383.8
40°	302.2	320.4	339.5	365.6
42.5°	285.4	301.8	320.8	344.8
45°	269.0	283.2	300.5	321.3
47.5°	252.2	264.1	280.1	298.7
50°	234.0	246.8	258.8	274.3
52.5°	217.1	228.2	238.0	250.8
55°	200.8	208.3	216.3	226.0
57.5°	183.5	189.2	195.0	205.2
60°	166.2	171.5	174.6	181.3
62.5°	149.3	151.6	155.5	159.5
65°	130.7	133.8	136.0	140.9
67.5°	113.9	115.2	117.4	120.5
70°	96.2	99.3	100.2	102.4
72.5°	81.1	82.4	83.3	83.8
75°	64.3	65.6	66.5	69.1
77.5°	50.5	50.1	51.8	52.3
80°	37.2	35.9	36.3	38.1
82.5°	24.4	24.8	24.4	24.4
85°	15.1	14.6	13.7	14.2
87.5°	6.6	6.6	6.2	6.2
90°	6.7	5.7	2.9	1.0
92.5°	43.7	29.5	19.0	13.3
95°	56.1	43.7	34.2	31.4
97.5°	72.2	60.8	52.3	52.3
100°	90.3	78.9	72.2	72.2
102.5°	109.3	98.8	93.1	91.2
105°	130.2	118.8	114.0	111.2
107.5°	152.1	139.7	134.9	133.0
110°	173.0	161.6	156.8	154.9

TEST NUMBER: P1001156

CATALOG NUMBER: SA4XXDIP-B350D1035UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	193.9	183.4	177.7	175.8
115°	214.8	205.3	198.6	195.8
117.5°	235.7	225.2	219.5	216.7
120°	256.6	246.1	239.5	237.6
122.5°	274.6	265.1	258.5	256.6
125°	292.7	282.3	276.6	272.7
127.5°	308.9	297.5	290.8	288.0
130°	326.0	311.7	304.1	300.3
132.5°	339.3	326.0	315.5	312.7
135°	353.5	337.4	327.9	324.1
137.5°	364.9	349.7	339.3	335.5
140°	377.3	361.1	350.7	347.8
142.5°	388.7	373.5	364.0	361.1
145°	399.1	385.8	376.3	373.5
147.5°	411.5	397.2	388.7	387.7
150°	421.0	409.6	402.0	401.0
152.5°	431.5	421.0	413.4	413.4
155°	441.0	431.5	425.8	424.8
157.5°	449.5	441.9	436.2	436.2
160°	457.1	450.5	446.7	446.7
162.5°	463.8	458.1	455.2	456.2
165°	469.5	464.7	462.8	462.8
167.5°	474.2	470.4	469.5	470.4
170°	478.0	475.2	474.2	475.2
172.5°	480.9	479.0	479.0	479.9
175°	482.8	481.8	481.8	482.8
177.5°	483.7	482.8	483.7	484.7
180°	483.7	483.7	483.7	483.7

(END OF REPORT)