

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: P1001105

Luminaire Tested: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001105
REPORT IS A COMBINATION OF REPORTS P995721 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4
Description: Define 4 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

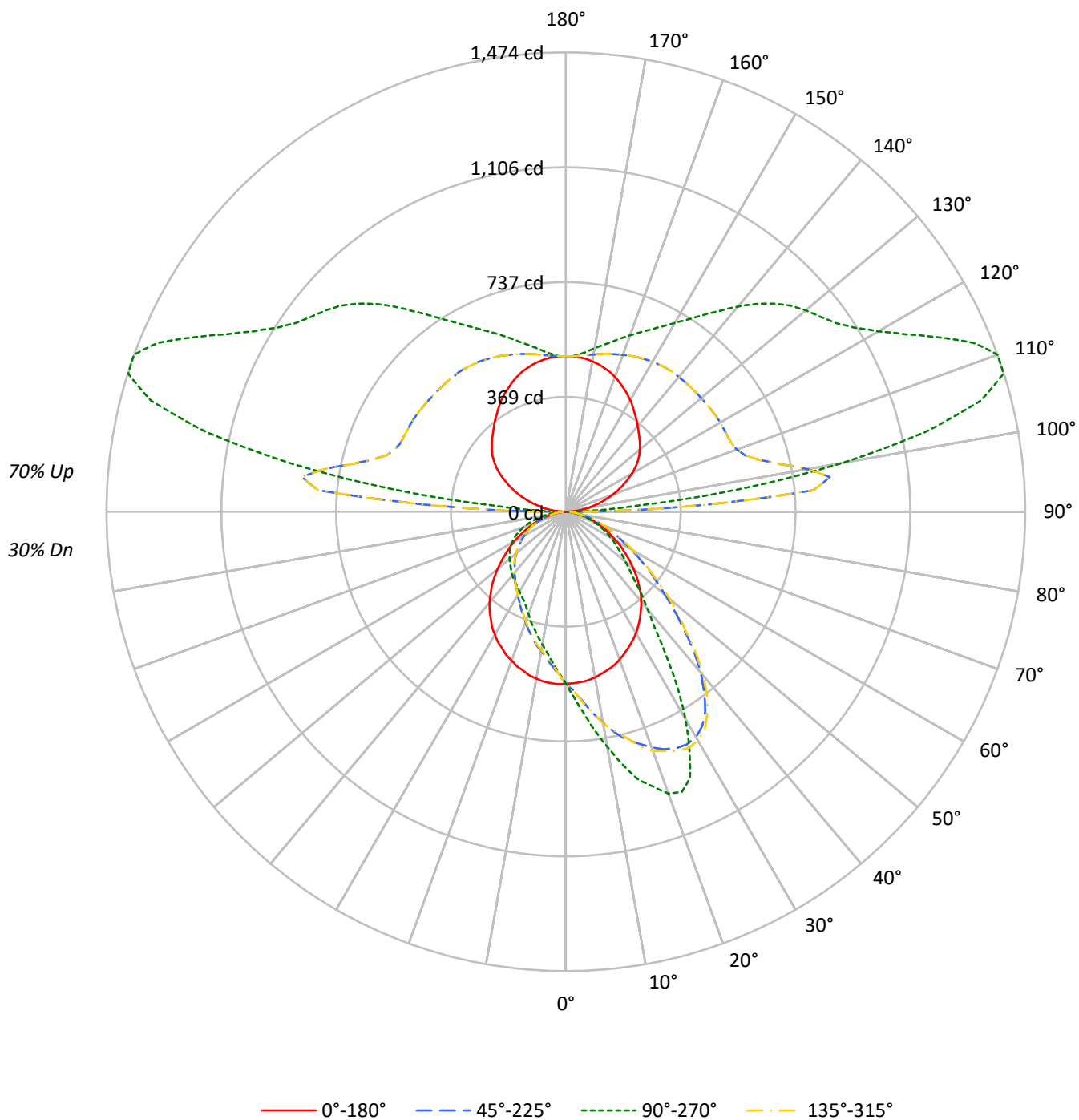
Lumens per Lamp: N/A
Luminaire Lumens: 5155.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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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CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

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	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°	4495	4495	4495	4495
5°	4483	5156	4509	3875
10°	4450	6016	4484	3400
15°	4397	6935	4427	3041
20°	4339	7520	4371	2727
25°	4257	7434	4297	2495
30°	4175	6144	4226	2375
35°	4061	4579	4106	2303
40°	3929	3449	3966	2268
45°	3725	2768	3771	2219
50°	3483	2333	3533	2196
55°	3197	2030	3248	2170
60°	2920	1787	3006	2135
65°	2659	1538	2685	2045
70°	2354	1266	2405	1884
75°	2052	973	2040	1600
80°	1616	639	1596	1214
85°	1062	287	997	708

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 5812 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.6	1.0
10°-20°	165.6	3.2
20°-30°	263.0	5.1
30°-40°	292.3	5.7
40°-50°	265.8	5.2
50°-60°	217.2	4.2
60°-70°	155.1	3.0
70°-80°	85.3	1.7
80°-90°	25.0	0.5
90°-100°	361.4	7.0
100°-110°	754.6	14.6
110°-120°	670.7	13.0
120°-130°	564.6	11.0
130°-140°	471.1	9.1
140°-150°	359.7	7.0
150°-160°	252.9	4.9
160°-170°	148.7	2.9
170°-180°	48.4	0.9
0°-30°	482.3	9.4
0°-40°	774.6	15.0
0°-60°	1257.6	24.4
0°-90°	1523.0	29.5
90°-120°	1786.7	34.7
90°-150°	3182.1	61.7
90°-180°	3632.0	70.5
0°-180°	5155.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	551	551	551	551	551	
5°	549	647	552	486	549	52
15°	524	888	528	390	524	148
25°	479	943	483	316	479	221
35°	415	558	420	280	415	259
45°	331	313	335	251	331	255
55°	233	205	237	219	233	209
65°	145	132	147	175	145	143
75°	71	66	71	108	71	75
85°	15	14	14	34	15	17
90°	1	21	1	21	1	3
95°	32	239	32	239	32	35
105°	115	1378	115	1378	115	122
115°	202	1324	202	1324	202	200
125°	281	1056	281	1056	281	251
135°	334	944	334	944	334	258
145°	385	771	385	771	385	242
155°	438	646	438	646	438	202
165°	477	563	477	563	477	135
175°	498	508	498	508	498	47
180°	499	499	499	499	499	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	551.2	556.7	559.0	560.8	566.7	568.6	569.0	571.8	574.0	574.5	574.5
5°	548.9	557.6	564.4	570.8	580.4	584.5	589.6	595.0	602.3	606.9	609.2
7.5°	545.3	558.1	568.6	579.5	592.8	601.0	605.5	620.2	630.2	638.4	648.5
10°	539.8	556.2	571.3	587.3	606.0	616.0	626.1	643.9	658.1	674.0	686.8
12.5°	531.6	553.0	571.3	593.7	617.0	628.8	640.7	671.8	688.2	702.4	725.2
15°	524.3	545.7	571.8	594.6	623.4	641.2	658.5	678.6	704.6	735.2	757.2
17.5°	516.0	543.0	567.2	599.2	631.1	648.0	662.2	693.2	729.8	759.9	780.0
20°	504.6	532.0	564.0	597.8	635.7	648.9	667.7	709.2	742.1	771.8	804.7
22.5°	491.4	523.3	557.1	589.6	628.8	656.7	677.2	713.8	753.5	787.8	824.7
25°	478.6	513.3	543.0	587.3	628.8	647.6	670.8	714.2	757.6	799.2	837.1
27.5°	464.9	497.3	537.5	572.7	619.7	640.3	665.4	712.9	759.0	800.5	841.2
30°	449.8	484.5	517.9	559.4	605.1	631.6	654.9	706.5	753.5	796.9	834.8
32.5°	432.9	465.8	501.4	540.7	588.6	615.6	644.8	697.8	748.0	785.5	814.7
35°	415.1	448.5	479.5	519.7	569.0	596.0	624.3	682.7	732.5	763.1	780.0
37.5°	395.5	427.0	457.6	497.3	546.6	575.4	604.2	660.8	707.8	733.4	728.8
40°	376.8	405.1	433.4	470.8	522.4	553.0	578.1	635.2	676.3	687.3	672.2
42.5°	355.3	379.5	406.9	445.3	495.5	524.3	555.8	607.8	638.4	633.9	608.3
45°	331.1	352.5	379.9	416.0	467.2	496.9	523.3	572.7	595.0	583.6	537.0
47.5°	307.8	328.8	351.2	387.3	437.0	462.2	489.1	533.4	546.2	522.0	475.4
50°	282.7	300.0	323.3	357.6	404.2	430.6	453.0	488.6	493.2	463.5	415.1
52.5°	258.5	273.1	295.5	329.3	372.6	393.6	415.6	447.1	443.4	412.8	366.2
55°	232.9	246.6	267.2	298.2	336.6	356.7	375.4	403.2	395.5	364.0	323.3
57.5°	211.4	221.0	241.1	269.9	301.4	323.3	339.3	361.2	349.4	317.8	279.9
60°	186.8	198.7	215.5	238.8	269.9	284.5	298.7	313.3	305.1	274.9	241.1
62.5°	164.4	173.5	188.1	210.5	234.7	248.0	263.0	272.2	264.0	236.1	207.8
65°	145.2	152.5	163.9	182.2	205.5	216.5	225.1	233.8	227.0	200.9	180.4
67.5°	124.2	130.6	140.2	154.8	174.4	182.2	190.4	196.4	188.6	171.3	151.2
70°	105.5	110.1	119.2	130.2	143.9	151.2	158.0	163.9	157.1	142.5	127.4
72.5°	86.3	90.0	98.2	105.9	118.3	123.3	128.3	132.9	130.6	116.9	104.6
75°	71.2	72.6	78.1	84.5	92.2	97.7	101.4	104.1	102.3	91.3	83.6
77.5°	53.9	55.7	59.8	64.8	71.7	74.9	77.2	79.9	77.6	69.0	63.5
80°	39.3	39.7	42.0	46.6	51.1	51.6	53.9	57.5	56.2	50.2	46.1
82.5°	25.1	26.5	27.4	30.1	33.3	34.3	35.6	36.5	36.1	32.4	31.1
85°	14.6	14.6	15.5	17.4	18.3	19.6	20.1	20.6	21.5	19.2	17.8
87.5°	6.4	6.9	6.9	7.3	8.2	8.2	8.7	9.1	9.6	9.1	7.8
90°	1.0	2.9	5.9	6.9	7.8	7.8	7.8	13.7	13.7	15.7	17.6
92.5°	13.7	19.6	30.4	45.1	62.7	75.4	88.2	148.9	244.0	336.0	384.1
95°	32.3	35.3	45.1	57.8	81.3	101.9	122.5	207.7	368.4	602.5	798.5
97.5°	53.9	53.9	62.7	74.5	95.0	112.6	130.3	197.9	336.0	577.1	854.3
100°	74.5	74.5	81.3	93.1	111.7	127.4	143.0	200.8	311.6	511.4	787.7
102.5°	94.1	96.0	101.9	112.7	130.3	145.0	159.7	210.6	304.7	467.3	704.4
105°	114.6	117.6	122.5	134.2	151.9	166.1	180.3	227.3	308.6	445.8	642.7
107.5°	137.2	139.1	144.0	156.8	173.4	187.6	201.8	244.9	320.4	439.9	602.5
110°	159.7	161.7	166.6	178.3	195.9	209.2	222.4	265.5	334.1	441.9	583.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	181.3	183.2	189.1	199.9	217.5	230.8	244.0	285.1	348.8	447.7	575.1
115°	201.8	204.8	211.6	221.4	240.0	253.2	266.5	305.7	364.5	455.6	573.1
117.5°	223.4	226.3	232.2	243.0	260.6	274.3	288.0	325.3	380.1	463.4	572.2
120°	244.9	246.9	253.8	264.5	281.2	294.9	308.6	345.8	396.8	472.2	572.2
122.5°	264.5	266.5	273.3	283.1	301.8	315.0	328.2	365.4	412.5	481.0	571.2
125°	281.2	285.1	291.0	301.8	320.4	334.1	347.8	383.1	428.1	489.9	570.2
127.5°	296.9	299.8	306.7	318.4	338.0	351.7	365.4	399.7	441.9	496.7	568.2
130°	309.6	313.5	321.4	336.0	354.7	368.9	383.1	416.4	454.6	504.6	567.3
132.5°	322.3	325.3	336.0	349.8	370.3	383.6	396.8	430.1	467.3	511.4	566.3
135°	334.1	338.0	347.8	364.5	385.0	397.8	410.5	442.8	478.1	518.3	565.3
137.5°	345.8	349.8	360.5	376.2	397.8	410.0	422.3	452.6	485.9	522.2	565.3
140°	358.6	361.5	372.3	389.0	409.5	421.2	433.0	462.4	493.8	527.1	564.3
142.5°	372.3	375.2	385.0	400.7	420.3	431.6	442.8	471.3	499.7	531.0	564.3
145°	385.0	388.0	397.8	411.5	430.1	440.9	451.7	477.1	503.6	532.0	562.4
147.5°	399.7	400.7	409.5	424.2	439.9	449.7	459.5	484.0	507.5	533.0	559.4
150°	413.4	414.4	422.3	434.0	448.7	458.0	467.3	488.9	510.4	533.0	556.5
152.5°	426.2	426.2	434.0	444.8	457.5	465.8	474.2	492.8	512.4	531.0	551.6
155°	437.9	438.9	444.8	454.6	465.4	472.8	480.1	496.7	513.4	529.1	546.7
157.5°	449.7	449.7	455.6	463.4	473.2	479.1	485.0	499.7	513.4	527.1	541.8
160°	460.5	460.5	464.4	471.3	479.1	484.5	489.9	501.6	513.4	524.2	535.9
162.5°	470.3	469.3	472.2	478.1	485.0	488.9	492.8	503.6	513.4	521.2	530.0
165°	477.1	477.1	479.1	484.0	488.9	491.8	494.8	503.6	511.4	517.3	524.2
167.5°	485.0	484.0	485.0	488.9	491.8	494.2	496.7	503.6	509.5	513.4	518.3
170°	489.9	488.9	489.9	492.8	494.8	496.2	497.7	502.6	507.5	509.5	512.4
172.5°	494.8	493.8	493.8	495.7	496.7	497.7	498.7	501.6	505.5	505.5	506.5
175°	497.7	496.7	496.7	497.7	498.7	498.7	498.7	500.6	503.6	502.6	502.6
177.5°	499.7	498.7	497.7	498.7	498.7	498.7	498.7	499.7	501.6	499.7	499.7
180°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	575.9	584.1	587.7	588.6	593.7	590.5	591.8	591.4	595.0	595.5	595.5
5°	617.9	627.5	630.7	635.2	642.1	643.9	642.5	645.3	650.3	646.6	652.1
7.5°	662.2	672.7	680.0	690.0	692.3	698.2	701.9	705.1	706.0	706.5	707.4
10°	703.3	716.5	726.6	743.5	747.1	750.3	766.3	759.9	768.1	765.4	766.3
12.5°	736.6	762.6	770.9	799.2	801.9	812.9	812.0	822.0	823.8	827.5	823.8
15°	780.4	810.6	823.8	839.8	849.0	861.7	864.0	877.7	883.2	888.2	883.2
17.5°	820.6	836.6	870.4	883.2	889.1	896.0	913.3	918.4	926.6	923.4	932.5
20°	840.7	863.6	899.2	921.1	930.2	936.6	951.2	959.0	962.2	962.2	963.1
22.5°	858.5	891.4	917.9	943.0	951.2	955.8	964.5	970.4	971.8	972.7	973.6
25°	874.5	904.2	925.7	939.8	943.0	943.0	948.0	944.4	938.5	943.0	945.8
27.5°	874.5	895.5	905.1	910.1	910.1	897.8	890.5	875.4	862.7	859.0	867.2
30°	859.9	869.5	856.3	843.9	834.3	826.1	797.3	774.5	769.9	766.7	779.1
32.5°	826.1	813.8	787.8	752.1	738.0	719.3	696.9	679.5	669.0	665.4	662.6
35°	766.3	734.3	700.5	652.6	642.5	618.8	588.2	575.4	558.1	557.6	563.5
37.5°	701.0	651.7	615.1	569.5	555.3	530.2	501.4	488.2	476.3	467.2	478.1
40°	624.7	581.8	526.1	488.6	468.5	455.3	431.1	416.5	411.0	406.4	413.3
42.5°	553.5	506.4	463.1	424.7	408.3	393.2	377.2	363.1	358.9	358.5	363.5
45°	482.7	436.6	396.4	363.5	353.0	343.9	328.3	324.2	317.4	312.8	315.1
47.5°	426.1	378.6	345.2	320.1	311.0	303.2	293.2	286.3	280.4	278.6	281.3
50°	370.4	338.4	304.1	283.1	276.3	269.0	261.2	254.8	252.1	250.3	252.1
52.5°	325.6	291.4	268.1	251.2	244.3	238.8	233.4	230.6	227.0	227.9	229.7
55°	285.4	255.3	235.6	223.3	219.2	216.9	210.1	206.9	205.5	204.6	205.5
57.5°	247.5	225.6	211.0	200.5	195.0	193.6	188.1	188.1	186.8	185.4	185.9
60°	217.4	198.7	184.5	176.3	175.4	173.1	169.4	169.0	165.8	167.1	167.6
62.5°	186.8	171.7	162.1	157.1	153.9	153.0	150.7	150.2	148.9	149.3	148.4
65°	162.6	150.2	140.7	136.5	135.2	134.7	132.9	131.5	130.6	131.5	130.6
67.5°	138.4	130.2	122.8	118.7	116.9	116.5	115.1	114.2	114.6	113.3	114.2
70°	115.5	107.3	102.8	100.5	99.6	98.2	98.2	98.2	98.2	97.3	96.8
72.5°	97.3	89.1	85.9	84.5	83.6	83.1	81.7	82.2	81.7	81.3	83.1
75°	77.2	72.2	69.0	67.6	68.5	67.1	65.8	66.7	65.3	65.8	67.6
77.5°	58.5	56.2	54.3	53.4	52.5	51.6	51.6	50.7	50.7	50.7	50.7
80°	42.5	42.0	38.8	38.4	38.4	37.4	37.4	37.4	37.4	37.0	37.4
82.5°	28.3	27.9	26.9	26.5	25.6	26.0	26.0	25.1	25.1	24.7	25.1
85°	16.4	16.4	15.5	15.1	14.6	15.1	14.2	13.7	14.2	13.7	14.2
87.5°	7.8	6.9	7.3	6.9	5.9	6.4	5.5	5.9	5.5	5.0	5.9
90°	16.7	17.6	18.6	19.6	19.6	19.6	20.6	21.6	20.6	20.6	20.6
92.5°	319.4	236.1	176.4	139.1	126.8	114.6	99.9	93.1	89.2	89.2	89.2
95°	821.0	726.0	574.1	442.8	395.3	347.8	299.8	269.4	251.8	239.1	251.8
97.5°	1029.7	1045.4	969.9	862.2	807.3	752.4	685.8	627.0	597.6	574.1	597.6
100°	1038.5	1181.6	1201.2	1153.1	1116.8	1080.6	995.4	935.6	906.3	898.4	906.3
102.5°	965.0	1174.7	1291.3	1320.7	1310.9	1301.1	1257.0	1217.8	1186.5	1180.6	1186.5
105°	872.9	1097.3	1266.8	1363.8	1383.9	1404.0	1405.9	1398.1	1384.4	1378.5	1384.4
107.5°	797.5	1002.3	1185.5	1320.7	1361.8	1403.0	1446.1	1463.7	1471.6	1472.5	1471.6
110°	743.6	918.0	1087.5	1229.6	1283.4	1337.3	1406.9	1448.0	1465.7	1474.5	1465.7

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	713.2	856.3	1001.3	1133.5	1187.4	1241.3	1322.6	1374.6	1401.0	1416.7	1401.0
115°	696.6	819.1	939.6	1054.2	1101.2	1148.2	1225.6	1284.4	1315.8	1323.6	1315.8
117.5°	687.8	797.5	899.4	992.5	1033.6	1074.8	1143.3	1194.3	1227.6	1232.5	1227.6
120°	680.9	783.8	874.9	953.3	988.0	1022.8	1078.7	1121.8	1147.3	1158.0	1147.3
122.5°	673.1	772.0	859.2	928.8	958.2	987.6	1032.6	1067.9	1088.5	1099.3	1088.5
125°	664.3	758.3	842.6	910.2	937.2	964.1	1003.2	1031.7	1050.3	1056.2	1050.3
127.5°	652.5	742.6	824.0	891.6	917.0	942.5	981.7	1007.2	1022.8	1028.7	1022.8
130°	641.7	723.0	800.4	867.1	893.0	919.0	959.2	983.7	999.3	1005.2	999.3
132.5°	631.9	702.5	774.0	838.7	864.6	890.6	929.8	958.2	972.9	978.8	972.9
135°	622.1	683.9	747.5	807.3	831.8	856.3	895.5	922.9	938.6	944.5	938.6
137.5°	613.3	666.2	722.1	774.0	796.6	819.1	856.3	884.7	897.4	904.3	897.4
140°	606.5	651.5	697.6	741.7	762.2	782.8	817.1	838.7	852.4	860.2	852.4
142.5°	600.6	637.8	677.0	713.2	730.4	747.5	776.9	796.5	808.3	813.2	808.3
145°	593.7	625.1	658.4	687.8	701.5	715.2	739.7	756.4	766.2	771.0	766.2
147.5°	587.8	614.3	641.7	666.2	677.5	688.8	707.4	722.1	729.9	731.9	729.9
150°	581.0	604.5	627.0	646.6	655.4	664.3	679.9	692.7	698.5	699.5	698.5
152.5°	573.1	593.7	612.3	630.0	636.8	643.7	656.4	666.2	669.2	670.1	669.2
155°	565.3	582.9	598.6	613.3	619.2	625.1	634.9	642.7	645.6	645.6	645.6
157.5°	557.5	571.2	584.9	597.6	602.5	607.4	615.3	621.1	623.1	623.1	623.1
160°	548.6	560.4	571.2	582.0	585.9	589.8	595.7	601.6	602.5	602.5	602.5
162.5°	540.8	549.6	558.4	566.3	569.7	573.1	577.1	582.9	583.9	582.9	583.9
165°	532.0	539.8	545.7	552.6	555.0	557.5	561.4	565.3	564.3	563.3	564.3
167.5°	524.2	530.0	534.9	540.8	542.3	543.8	545.7	548.6	548.6	547.7	548.6
170°	516.3	521.2	524.2	528.1	529.6	531.0	533.0	534.0	533.0	533.0	533.0
172.5°	509.5	513.4	515.3	517.3	518.3	519.3	520.2	521.2	520.2	518.3	520.2
175°	504.6	506.5	507.5	509.5	509.5	509.5	509.5	511.4	509.5	507.5	509.5
177.5°	500.6	501.6	502.6	502.6	503.1	503.6	502.6	503.6	501.6	499.7	501.6
180°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	594.6	593.2	591.4	591.4	589.1	589.1	585.5	579.1	573.6	571.8	572.7
5°	645.3	645.7	643.0	640.7	636.6	633.4	627.5	616.0	612.4	605.1	600.1
7.5°	703.3	701.4	696.4	692.8	691.9	684.5	671.8	658.1	647.1	639.8	629.3
10°	768.6	761.3	754.0	751.7	746.2	733.9	719.3	704.2	689.1	673.1	655.3
12.5°	823.4	809.2	808.8	803.3	792.8	785.9	768.6	747.1	721.1	703.3	683.2
15°	882.3	869.0	858.1	848.0	843.0	822.9	808.3	781.4	750.3	731.1	717.4
17.5°	924.3	918.4	899.6	895.1	888.2	864.9	841.6	815.2	788.2	761.3	724.3
20°	958.1	954.4	942.1	935.7	924.8	906.5	878.2	847.6	816.5	778.2	743.5
22.5°	972.7	968.1	958.1	952.6	945.8	930.2	906.0	871.3	830.7	796.4	759.4
25°	943.9	952.2	949.4	947.1	944.4	935.3	917.0	886.4	846.7	807.8	761.7
27.5°	879.1	893.2	906.9	908.8	913.3	917.0	909.7	887.8	854.4	813.3	762.6
30°	791.9	798.3	826.1	834.3	840.7	864.0	877.7	872.2	846.7	809.7	763.1
32.5°	680.0	696.9	725.2	744.8	762.2	788.2	823.8	838.0	828.9	798.7	752.6
35°	574.0	594.1	627.0	652.1	669.5	706.5	748.5	779.1	790.5	775.4	734.3
37.5°	487.3	511.5	540.7	550.3	570.4	616.0	674.0	716.5	744.4	745.7	713.8
40°	422.0	434.3	457.6	472.2	491.8	530.2	586.8	643.0	685.0	699.2	682.3
42.5°	366.7	376.3	393.6	411.5	429.3	458.5	510.6	563.1	619.7	648.0	647.6
45°	322.9	332.9	344.8	359.4	371.7	403.2	444.3	498.2	547.1	590.9	601.9
47.5°	284.5	293.2	307.8	314.2	322.4	352.1	387.7	437.9	488.6	538.9	551.7
50°	256.2	263.5	273.5	277.7	286.8	308.7	337.9	378.6	434.8	480.9	504.6
52.5°	230.6	236.1	243.9	247.1	253.5	269.9	296.4	328.3	374.9	422.4	455.8
55°	208.7	212.4	217.8	221.5	226.1	240.7	260.3	289.1	329.3	370.4	402.8
57.5°	188.1	190.9	196.4	198.2	201.8	213.3	227.0	251.2	288.2	324.7	356.2
60°	169.0	170.8	174.0	178.1	180.8	188.6	201.4	221.5	251.2	284.5	310.1
62.5°	150.7	153.4	154.4	156.2	158.5	165.8	175.8	190.4	216.5	243.9	270.8
65°	132.0	134.3	136.1	136.5	138.8	144.3	153.4	166.2	183.1	206.9	232.0
67.5°	114.6	116.0	116.9	118.7	121.0	123.8	131.1	140.7	156.2	175.4	195.5
70°	98.6	98.6	100.0	100.5	103.2	106.4	109.6	118.7	132.4	148.0	161.7
72.5°	81.3	83.6	83.1	85.4	84.9	87.2	91.3	97.3	107.3	119.6	132.9
75°	66.2	67.6	67.6	67.6	68.5	70.3	72.6	78.1	85.9	95.9	103.7
77.5°	51.6	52.5	52.5	52.5	53.0	54.8	57.1	60.7	66.2	72.2	76.7
80°	37.0	37.9	37.9	38.8	38.8	39.3	41.6	43.4	46.1	50.7	55.3
82.5°	25.1	25.6	26.5	26.5	26.0	26.9	27.4	29.2	32.0	32.9	36.1
85°	13.7	14.2	14.6	14.6	15.1	16.0	15.5	17.4	17.4	19.2	20.1
87.5°	5.5	6.4	6.4	5.9	6.4	6.4	6.4	7.3	7.8	8.2	7.8
90°	21.6	20.6	19.6	19.6	19.6	18.6	17.6	16.7	17.6	15.7	13.7
92.5°	93.1	99.9	114.6	126.8	139.1	176.4	236.1	319.4	384.1	336.0	244.0
95°	269.4	299.8	347.8	395.3	442.8	574.1	726.0	821.0	798.5	602.5	368.4
97.5°	627.0	685.8	752.4	807.3	862.2	969.9	1045.4	1029.7	854.3	577.1	336.0
100°	935.6	995.4	1080.6	1116.8	1153.1	1201.2	1181.6	1038.5	787.7	511.4	311.6
102.5°	1217.8	1257.0	1301.1	1310.9	1320.7	1291.3	1174.7	965.0	704.4	467.3	304.7
105°	1398.1	1405.9	1404.0	1383.9	1363.8	1266.8	1097.3	872.9	642.7	445.8	308.6
107.5°	1463.7	1446.1	1403.0	1361.8	1320.7	1185.5	1002.3	797.5	602.5	439.9	320.4
110°	1448.0	1406.9	1337.3	1283.4	1229.6	1087.5	918.0	743.6	583.9	441.9	334.1

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1374.6	1322.6	1241.3	1187.4	1133.5	1001.3	856.3	713.2	575.1	447.7	348.8
115°	1284.4	1225.6	1148.2	1101.2	1054.2	939.6	819.1	696.6	573.1	455.6	364.5
117.5°	1194.3	1143.3	1074.8	1033.6	992.5	899.4	797.5	687.8	572.2	463.4	380.1
120°	1121.8	1078.7	1022.8	988.0	953.3	874.9	783.8	680.9	572.2	472.2	396.8
122.5°	1067.9	1032.6	987.6	958.2	928.8	859.2	772.0	673.1	571.2	481.0	412.5
125°	1031.7	1003.2	964.1	937.2	910.2	842.6	758.3	664.3	570.2	489.9	428.1
127.5°	1007.2	981.7	942.5	917.0	891.6	824.0	742.6	652.5	568.2	496.7	441.9
130°	983.7	959.2	919.0	893.0	867.1	800.4	723.0	641.7	567.3	504.6	454.6
132.5°	958.2	929.8	890.6	864.6	838.7	774.0	702.5	631.9	566.3	511.4	467.3
135°	922.9	895.5	856.3	831.8	807.3	747.5	683.9	622.1	565.3	518.3	478.1
137.5°	884.7	856.3	819.1	796.6	774.0	722.1	666.2	613.3	565.3	522.2	485.9
140°	838.7	817.1	782.8	762.2	741.7	697.6	651.5	606.5	564.3	527.1	493.8
142.5°	796.5	776.9	747.5	730.4	713.2	677.0	637.8	600.6	564.3	531.0	499.7
145°	756.4	739.7	715.2	701.5	687.8	658.4	625.1	593.7	562.4	532.0	503.6
147.5°	722.1	707.4	688.8	677.5	666.2	641.7	614.3	587.8	559.4	533.0	507.5
150°	692.7	679.9	664.3	655.4	646.6	627.0	604.5	581.0	556.5	533.0	510.4
152.5°	666.2	656.4	643.7	636.8	630.0	612.3	593.7	573.1	551.6	531.0	512.4
155°	642.7	634.9	625.1	619.2	613.3	598.6	582.9	565.3	546.7	529.1	513.4
157.5°	621.1	615.3	607.4	602.5	597.6	584.9	571.2	557.5	541.8	527.1	513.4
160°	601.6	595.7	589.8	585.9	582.0	571.2	560.4	548.6	535.9	524.2	513.4
162.5°	582.9	577.1	573.1	569.7	566.3	558.4	549.6	540.8	530.0	521.2	513.4
165°	565.3	561.4	557.5	555.0	552.6	545.7	539.8	532.0	524.2	517.3	511.4
167.5°	548.6	545.7	543.8	542.3	540.8	534.9	530.0	524.2	518.3	513.4	509.5
170°	534.0	533.0	531.0	529.6	528.1	524.2	521.2	516.3	512.4	509.5	507.5
172.5°	521.2	520.2	519.3	518.3	517.3	515.3	513.4	509.5	506.5	505.5	505.5
175°	511.4	509.5	509.5	509.5	509.5	507.5	506.5	504.6	502.6	502.6	503.6
177.5°	503.6	502.6	503.6	503.1	502.6	502.6	501.6	500.6	499.7	499.7	501.6
180°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	568.6	566.7	565.4	565.4	561.2	557.1	554.9	553.9	553.0	549.4	544.4
5°	591.8	585.9	581.8	577.7	570.8	563.5	556.2	552.1	546.2	538.0	532.0
7.5°	617.9	603.7	599.2	594.1	580.4	568.1	558.1	549.4	539.8	529.3	518.8
10°	639.8	624.7	614.7	606.0	588.2	571.8	556.7	543.9	531.6	517.9	505.1
12.5°	660.8	639.3	628.8	616.0	597.3	573.6	553.9	538.0	519.7	505.5	490.0
15°	690.0	654.0	636.6	628.4	603.3	575.4	551.7	527.9	512.8	491.4	477.7
17.5°	694.6	665.4	654.0	632.9	602.8	571.3	543.9	520.1	497.3	478.1	460.3
20°	710.6	672.2	654.0	640.7	601.0	569.0	538.9	508.3	486.4	465.8	445.7
22.5°	720.6	677.2	658.1	637.1	599.2	560.8	525.2	498.7	471.7	450.7	434.8
25°	717.9	674.5	653.0	633.4	587.3	548.9	517.0	483.2	458.0	435.2	414.2
27.5°	716.5	667.7	644.8	622.9	579.5	539.3	499.1	471.7	443.9	417.4	401.9
30°	712.9	659.0	632.5	608.7	563.5	521.5	487.3	455.3	427.4	403.2	382.7
32.5°	700.5	644.4	618.8	593.2	546.2	504.2	469.5	439.8	411.9	386.8	367.2
35°	684.1	627.0	599.2	572.2	525.2	482.7	450.7	419.7	393.6	369.4	350.7
37.5°	667.7	606.9	580.9	549.8	506.4	462.2	429.3	401.4	377.2	352.1	331.5
40°	643.9	583.2	554.4	527.9	477.2	435.7	405.5	380.4	356.7	332.9	315.6
42.5°	611.5	557.1	527.5	498.2	450.7	409.6	380.4	358.0	335.7	316.0	296.8
45°	578.6	525.6	499.1	473.1	421.5	382.7	355.7	335.2	316.5	295.0	279.5
47.5°	538.9	494.1	467.6	442.1	393.2	354.4	329.7	310.5	293.2	275.4	260.8
50°	498.2	459.4	435.2	408.7	362.1	327.0	302.8	286.8	272.6	255.7	243.9
52.5°	454.4	420.6	400.0	374.5	333.4	300.9	276.3	260.3	248.4	236.1	225.6
55°	407.8	383.1	361.2	340.7	301.9	272.6	250.7	236.6	228.3	216.9	207.8
57.5°	365.8	342.0	328.8	305.5	271.7	242.9	225.6	213.7	204.1	197.3	190.0
60°	322.0	302.8	288.2	271.3	241.6	217.4	199.1	192.3	182.2	177.2	174.0
62.5°	279.9	266.2	252.5	239.8	213.3	190.4	176.7	168.1	162.1	157.1	154.4
65°	240.2	227.4	217.8	206.4	184.5	166.2	153.4	146.6	140.7	139.3	136.1
67.5°	201.4	195.9	185.4	176.3	157.6	143.4	133.8	125.1	121.9	120.6	117.8
70°	168.5	162.1	153.9	146.1	132.0	119.6	111.0	107.8	103.2	102.8	99.6
72.5°	138.8	131.1	125.1	119.2	108.7	97.7	93.2	88.6	86.3	84.5	83.1
75°	110.1	104.6	100.5	95.4	86.3	79.0	72.6	70.8	69.4	69.0	68.0
77.5°	82.2	78.5	76.7	71.7	65.3	58.9	56.2	53.4	53.4	52.5	53.0
80°	58.5	56.2	53.9	51.1	45.7	42.9	40.6	38.8	37.9	37.4	37.9
82.5°	37.0	35.6	35.2	33.3	29.7	28.3	26.5	25.1	25.1	25.1	25.1
85°	20.6	20.6	20.6	17.8	16.4	15.1	14.2	13.7	13.7	13.7	14.2
87.5°	8.7	8.7	7.3	7.3	6.9	5.9	5.5	5.5	5.9	5.9	6.4
90°	13.7	7.8	7.8	7.8	6.9	5.9	2.9	1.0	2.9	5.9	6.9
92.5°	148.9	88.2	75.4	62.7	45.1	30.4	19.6	13.7	19.6	30.4	45.1
95°	207.7	122.5	101.9	81.3	57.8	45.1	35.3	32.3	35.3	45.1	57.8
97.5°	197.9	130.3	112.6	95.0	74.5	62.7	53.9	53.9	53.9	62.7	74.5
100°	200.8	143.0	127.4	111.7	93.1	81.3	74.5	74.5	74.5	81.3	93.1
102.5°	210.6	159.7	145.0	130.3	112.7	101.9	96.0	94.1	96.0	101.9	112.7
105°	227.3	180.3	166.1	151.9	134.2	122.5	117.6	114.6	117.6	122.5	134.2
107.5°	244.9	201.8	187.6	173.4	156.8	144.0	139.1	137.2	139.1	144.0	156.8
110°	265.5	222.4	209.2	195.9	178.3	166.6	161.7	159.7	161.7	166.6	178.3

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	285.1	244.0	230.8	217.5	199.9	189.1	183.2	181.3	183.2	189.1	199.9
115°	305.7	266.5	253.2	240.0	221.4	211.6	204.8	201.8	204.8	211.6	221.4
117.5°	325.3	288.0	274.3	260.6	243.0	232.2	226.3	223.4	226.3	232.2	243.0
120°	345.8	308.6	294.9	281.2	264.5	253.8	246.9	244.9	246.9	253.8	264.5
122.5°	365.4	328.2	315.0	301.8	283.1	273.3	266.5	264.5	266.5	273.3	283.1
125°	383.1	347.8	334.1	320.4	301.8	291.0	285.1	281.2	285.1	291.0	301.8
127.5°	399.7	365.4	351.7	338.0	318.4	306.7	299.8	296.9	299.8	306.7	318.4
130°	416.4	383.1	368.9	354.7	336.0	321.4	313.5	309.6	313.5	321.4	336.0
132.5°	430.1	396.8	383.6	370.3	349.8	336.0	325.3	322.3	325.3	336.0	349.8
135°	442.8	410.5	397.8	385.0	364.5	347.8	338.0	334.1	338.0	347.8	364.5
137.5°	452.6	422.3	410.0	397.8	376.2	360.5	349.8	345.8	349.8	360.5	376.2
140°	462.4	433.0	421.2	409.5	389.0	372.3	361.5	358.6	361.5	372.3	389.0
142.5°	471.3	442.8	431.6	420.3	400.7	385.0	375.2	372.3	375.2	385.0	400.7
145°	477.1	451.7	440.9	430.1	411.5	397.8	388.0	385.0	388.0	397.8	411.5
147.5°	484.0	459.5	449.7	439.9	424.2	409.5	400.7	399.7	400.7	409.5	424.2
150°	488.9	467.3	458.0	448.7	434.0	422.3	414.4	413.4	414.4	422.3	434.0
152.5°	492.8	474.2	465.8	457.5	444.8	434.0	426.2	426.2	426.2	434.0	444.8
155°	496.7	480.1	472.8	465.4	454.6	444.8	438.9	437.9	438.9	444.8	454.6
157.5°	499.7	485.0	479.1	473.2	463.4	455.6	449.7	449.7	449.7	455.6	463.4
160°	501.6	489.9	484.5	479.1	471.3	464.4	460.5	460.5	460.5	464.4	471.3
162.5°	503.6	492.8	488.9	485.0	478.1	472.2	469.3	470.3	469.3	472.2	478.1
165°	503.6	494.8	491.8	488.9	484.0	479.1	477.1	477.1	477.1	479.1	484.0
167.5°	503.6	496.7	494.2	491.8	488.9	485.0	484.0	485.0	484.0	485.0	488.9
170°	502.6	497.7	496.2	494.8	492.8	489.9	488.9	489.9	488.9	489.9	492.8
172.5°	501.6	498.7	497.7	496.7	495.7	493.8	493.8	494.8	493.8	493.8	495.7
175°	500.6	498.7	498.7	498.7	497.7	496.7	496.7	497.7	496.7	496.7	497.7
177.5°	499.7	498.7	498.7	498.7	498.7	497.7	498.7	499.7	498.7	497.7	498.7
180°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	543.0	541.2	542.1	537.5	533.4	527.5	522.4	521.5	520.6	523.3	521.5
5°	527.5	525.2	522.9	517.4	509.2	504.2	496.9	496.4	493.7	489.6	490.5
7.5°	510.6	509.2	506.0	497.3	490.0	481.3	475.4	470.4	468.1	464.4	463.1
10°	496.9	491.8	489.1	479.5	470.8	461.7	453.9	450.3	446.2	443.0	440.7
12.5°	478.1	476.8	469.0	461.2	453.9	443.4	437.5	427.0	421.5	424.2	423.3
15°	465.8	459.4	457.6	446.6	434.3	427.4	416.5	409.6	407.4	403.2	398.2
17.5°	449.4	445.3	438.9	428.8	414.7	405.1	397.3	390.9	388.2	382.7	378.6
20°	433.8	427.0	422.0	412.8	399.1	386.8	377.2	373.1	366.2	361.7	359.4
22.5°	419.7	414.7	407.4	393.6	381.8	369.9	358.5	352.5	346.2	343.4	339.8
25°	402.3	394.1	389.1	374.0	361.2	351.6	341.1	333.4	329.7	325.1	324.2
27.5°	385.4	377.7	371.7	358.5	343.0	330.6	324.2	318.8	312.4	312.4	310.1
30°	368.5	363.1	353.9	341.1	326.5	314.6	307.3	302.3	300.0	298.2	297.7
32.5°	351.6	344.3	338.8	321.5	310.5	299.6	294.1	290.0	287.2	286.8	287.2
35°	334.3	326.1	320.6	305.1	294.1	284.0	281.8	278.1	276.7	276.3	278.6
37.5°	316.0	309.6	302.8	290.0	277.7	271.7	267.2	265.8	265.3	268.1	269.0
40°	299.1	293.6	287.2	273.5	264.4	258.0	255.7	254.4	256.2	258.9	260.3
42.5°	283.1	275.4	270.3	258.0	249.8	246.1	243.4	243.4	245.2	248.4	250.7
45°	266.2	260.3	255.3	244.3	237.0	232.9	232.4	232.9	235.2	237.5	240.2
47.5°	249.8	243.9	238.4	229.2	222.9	220.6	220.1	220.6	224.2	227.4	230.6
50°	234.7	228.3	223.3	214.6	209.6	206.9	207.3	209.6	212.4	216.9	221.0
52.5°	216.9	212.4	207.8	200.0	195.5	193.6	195.0	196.8	201.8	205.0	210.1
55°	199.6	195.5	191.8	185.9	182.2	180.8	181.8	184.5	188.6	194.1	200.0
57.5°	183.6	179.0	175.4	171.3	167.1	167.6	168.1	171.7	176.7	181.8	188.6
60°	165.8	163.0	159.8	154.8	153.0	153.0	154.4	158.5	163.0	171.3	177.2
62.5°	149.8	146.1	143.9	140.7	137.9	138.4	141.6	145.2	150.7	157.6	165.3
65°	133.3	129.2	127.4	124.7	123.8	124.2	126.5	132.0	137.9	143.9	151.2
67.5°	115.1	113.7	111.9	109.1	110.1	110.5	112.8	117.4	123.8	129.7	137.9
70°	99.6	96.8	96.4	94.1	94.1	95.4	100.0	103.2	109.1	115.5	124.2
72.5°	83.1	80.8	80.8	79.0	80.4	81.7	84.0	88.6	94.1	100.5	107.8
75°	66.2	65.3	66.2	65.3	65.3	67.6	70.3	74.0	79.9	86.8	92.7
77.5°	51.1	51.1	50.7	52.1	52.1	53.4	57.1	60.7	65.3	70.8	77.2
80°	37.4	37.4	37.4	38.8	40.2	40.2	42.5	47.0	51.1	54.8	60.7
82.5°	25.6	25.6	25.6	26.5	28.3	28.3	31.1	33.8	38.4	41.6	44.3
85°	15.5	15.5	15.1	16.0	16.4	17.8	20.1	21.9	24.2	26.9	29.7
87.5°	6.9	6.9	7.3	7.8	8.2	9.1	10.0	11.0	13.2	14.2	15.5
90°	7.8	7.8	7.8	13.7	13.7	15.7	17.6	16.7	17.6	18.6	19.6
92.5°	62.7	75.4	88.2	148.9	244.0	336.0	384.1	319.4	236.1	176.4	139.1
95°	81.3	101.9	122.5	207.7	368.4	602.5	798.5	821.0	726.0	574.1	442.8
97.5°	95.0	112.6	130.3	197.9	336.0	577.1	854.3	1029.7	1045.4	969.9	862.2
100°	111.7	127.4	143.0	200.8	311.6	511.4	787.7	1038.5	1181.6	1201.2	1153.1
102.5°	130.3	145.0	159.7	210.6	304.7	467.3	704.4	965.0	1174.7	1291.3	1320.7
105°	151.9	166.1	180.3	227.3	308.6	445.8	642.7	872.9	1097.3	1266.8	1363.8
107.5°	173.4	187.6	201.8	244.9	320.4	439.9	602.5	797.5	1002.3	1185.5	1320.7
110°	195.9	209.2	222.4	265.5	334.1	441.9	583.9	743.6	918.0	1087.5	1229.6

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	217.5	230.8	244.0	285.1	348.8	447.7	575.1	713.2	856.3	1001.3	1133.5
115°	240.0	253.2	266.5	305.7	364.5	455.6	573.1	696.6	819.1	939.6	1054.2
117.5°	260.6	274.3	288.0	325.3	380.1	463.4	572.2	687.8	797.5	899.4	992.5
120°	281.2	294.9	308.6	345.8	396.8	472.2	572.2	680.9	783.8	874.9	953.3
122.5°	301.8	315.0	328.2	365.4	412.5	481.0	571.2	673.1	772.0	859.2	928.8
125°	320.4	334.1	347.8	383.1	428.1	489.9	570.2	664.3	758.3	842.6	910.2
127.5°	338.0	351.7	365.4	399.7	441.9	496.7	568.2	652.5	742.6	824.0	891.6
130°	354.7	368.9	383.1	416.4	454.6	504.6	567.3	641.7	723.0	800.4	867.1
132.5°	370.3	383.6	396.8	430.1	467.3	511.4	566.3	631.9	702.5	774.0	838.7
135°	385.0	397.8	410.5	442.8	478.1	518.3	565.3	622.1	683.9	747.5	807.3
137.5°	397.8	410.0	422.3	452.6	485.9	522.2	565.3	613.3	666.2	722.1	774.0
140°	409.5	421.2	433.0	462.4	493.8	527.1	564.3	606.5	651.5	697.6	741.7
142.5°	420.3	431.6	442.8	471.3	499.7	531.0	564.3	600.6	637.8	677.0	713.2
145°	430.1	440.9	451.7	477.1	503.6	532.0	562.4	593.7	625.1	658.4	687.8
147.5°	439.9	449.7	459.5	484.0	507.5	533.0	559.4	587.8	614.3	641.7	666.2
150°	448.7	458.0	467.3	488.9	510.4	533.0	556.5	581.0	604.5	627.0	646.6
152.5°	457.5	465.8	474.2	492.8	512.4	531.0	551.6	573.1	593.7	612.3	630.0
155°	465.4	472.8	480.1	496.7	513.4	529.1	546.7	565.3	582.9	598.6	613.3
157.5°	473.2	479.1	485.0	499.7	513.4	527.1	541.8	557.5	571.2	584.9	597.6
160°	479.1	484.5	489.9	501.6	513.4	524.2	535.9	548.6	560.4	571.2	582.0
162.5°	485.0	488.9	492.8	503.6	513.4	521.2	530.0	540.8	549.6	558.4	566.3
165°	488.9	491.8	494.8	503.6	511.4	517.3	524.2	532.0	539.8	545.7	552.6
167.5°	491.8	494.2	496.7	503.6	509.5	513.4	518.3	524.2	530.0	534.9	540.8
170°	494.8	496.2	497.7	502.6	507.5	509.5	512.4	516.3	521.2	524.2	528.1
172.5°	496.7	497.7	498.7	501.6	505.5	505.5	506.5	509.5	513.4	515.3	517.3
175°	498.7	498.7	498.7	500.6	503.6	502.6	502.6	504.6	506.5	507.5	509.5
177.5°	498.7	498.7	498.7	499.7	501.6	499.7	499.7	500.6	501.6	502.6	502.6
180°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	520.1	519.7	517.4	518.3	515.6	516.5	517.9	518.3	520.1	518.8	518.3
5°	488.2	487.3	485.9	484.5	484.1	485.9	482.7	483.6	484.5	485.9	487.7
7.5°	462.2	461.7	460.3	458.0	457.1	456.2	456.7	459.9	459.4	459.0	462.2
10°	438.4	438.9	436.1	435.7	432.9	432.5	432.9	433.8	435.2	437.0	437.5
12.5°	413.7	419.7	414.7	412.8	408.7	411.0	411.9	407.8	410.1	411.5	418.3
15°	398.2	395.5	392.3	392.3	390.5	389.5	387.3	390.5	392.3	395.0	394.1
17.5°	376.8	372.2	370.4	368.5	369.0	370.8	365.8	373.1	373.1	374.5	372.2
20°	358.0	354.4	352.1	351.2	349.8	348.9	348.4	350.3	353.0	353.9	356.2
22.5°	338.4	338.4	334.7	333.4	332.5	331.1	333.4	332.0	333.8	335.7	339.3
25°	322.0	322.0	320.6	318.8	317.4	316.5	317.8	317.4	318.8	321.0	322.0
27.5°	308.7	307.3	306.9	306.4	306.0	306.4	306.0	307.3	308.7	309.2	308.3
30°	297.3	295.9	296.4	296.4	296.8	296.4	295.9	297.3	297.7	296.8	297.3
32.5°	286.8	286.8	287.7	288.2	288.2	288.6	289.1	288.2	288.6	287.2	287.7
35°	278.1	279.0	279.9	280.4	280.9	280.4	281.3	280.9	279.9	279.0	278.6
37.5°	269.4	270.3	272.2	272.6	274.0	274.5	273.5	273.5	273.1	271.3	270.3
40°	260.3	261.2	263.5	264.9	265.8	267.2	266.2	266.2	264.4	262.6	261.2
42.5°	251.6	253.5	255.7	257.1	258.9	258.9	258.9	258.0	255.7	253.9	252.5
45°	242.9	243.4	246.6	248.9	250.7	250.7	250.7	249.3	248.0	244.3	242.5
47.5°	233.4	234.7	238.4	240.7	242.5	242.9	242.9	241.6	238.8	235.6	233.4
50°	222.9	225.1	229.2	232.4	234.7	235.6	234.3	233.4	230.2	226.5	223.8
52.5°	212.8	215.5	220.6	223.3	226.5	227.0	226.5	225.1	221.5	216.5	214.2
55°	202.8	205.0	210.5	215.1	217.8	218.7	217.8	215.5	211.0	206.0	203.7
57.5°	191.8	195.0	200.9	205.5	208.7	209.2	208.2	206.0	202.3	195.9	192.7
60°	180.4	184.5	190.4	195.0	199.1	199.6	198.7	195.5	190.9	184.5	181.8
62.5°	169.0	172.2	179.0	184.0	187.2	189.5	187.7	184.5	179.9	173.5	169.4
65°	155.7	160.3	166.2	170.8	174.4	174.9	174.0	171.3	166.2	159.4	156.2
67.5°	142.9	146.1	152.1	158.0	159.4	160.7	159.4	156.6	152.5	146.6	142.0
70°	127.4	130.2	137.5	141.6	143.4	144.8	143.9	141.1	137.5	132.0	128.3
72.5°	111.9	114.2	121.0	124.2	127.9	127.4	127.0	125.1	120.1	116.5	114.2
75°	95.4	98.2	102.8	106.9	108.2	108.2	108.2	106.9	103.7	97.7	95.4
77.5°	80.4	81.7	85.4	87.7	89.1	89.5	89.1	86.8	84.9	80.8	79.5
80°	61.7	65.3	68.0	68.5	70.3	70.3	70.3	69.4	67.6	63.5	63.0
82.5°	46.6	47.5	50.2	51.6	52.5	52.1	52.1	50.2	49.8	47.5	46.6
85°	31.5	32.9	32.4	34.3	34.7	33.8	33.8	34.7	32.4	32.9	31.5
87.5°	17.4	17.4	18.3	17.8	19.6	19.6	18.7	19.2	18.3	17.8	17.4
90°	19.6	19.6	20.6	21.6	20.6	20.6	20.6	21.6	20.6	19.6	19.6
92.5°	126.8	114.6	99.9	93.1	89.2	89.2	89.2	93.1	99.9	114.6	126.8
95°	395.3	347.8	299.8	269.4	251.8	239.1	251.8	269.4	299.8	347.8	395.3
97.5°	807.3	752.4	685.8	627.0	597.6	574.1	597.6	627.0	685.8	752.4	807.3
100°	1116.8	1080.6	995.4	935.6	906.3	898.4	906.3	935.6	995.4	1080.6	1116.8
102.5°	1310.9	1301.1	1257.0	1217.8	1186.5	1180.6	1186.5	1217.8	1257.0	1301.1	1310.9
105°	1383.9	1404.0	1405.9	1398.1	1384.4	1378.5	1384.4	1398.1	1405.9	1404.0	1383.9
107.5°	1361.8	1403.0	1446.1	1463.7	1471.6	1472.5	1471.6	1463.7	1446.1	1403.0	1361.8
110°	1283.4	1337.3	1406.9	1448.0	1465.7	1474.5	1465.7	1448.0	1406.9	1337.3	1283.4

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1187.4	1241.3	1322.6	1374.6	1401.0	1416.7	1401.0	1374.6	1322.6	1241.3	1187.4
115°	1101.2	1148.2	1225.6	1284.4	1315.8	1323.6	1315.8	1284.4	1225.6	1148.2	1101.2
117.5°	1033.6	1074.8	1143.3	1194.3	1227.6	1232.5	1227.6	1194.3	1143.3	1074.8	1033.6
120°	988.0	1022.8	1078.7	1121.8	1147.3	1158.0	1147.3	1121.8	1078.7	1022.8	988.0
122.5°	958.2	987.6	1032.6	1067.9	1088.5	1099.3	1088.5	1067.9	1032.6	987.6	958.2
125°	937.2	964.1	1003.2	1031.7	1050.3	1056.2	1050.3	1031.7	1003.2	964.1	937.2
127.5°	917.0	942.5	981.7	1007.2	1022.8	1028.7	1022.8	1007.2	981.7	942.5	917.0
130°	893.0	919.0	959.2	983.7	999.3	1005.2	999.3	983.7	959.2	919.0	893.0
132.5°	864.6	890.6	929.8	958.2	972.9	978.8	972.9	958.2	929.8	890.6	864.6
135°	831.8	856.3	895.5	922.9	938.6	944.5	938.6	922.9	895.5	856.3	831.8
137.5°	796.6	819.1	856.3	884.7	897.4	904.3	897.4	884.7	856.3	819.1	796.6
140°	762.2	782.8	817.1	838.7	852.4	860.2	852.4	838.7	817.1	782.8	762.2
142.5°	730.4	747.5	776.9	796.5	808.3	813.2	808.3	796.5	776.9	747.5	730.4
145°	701.5	715.2	739.7	756.4	766.2	771.0	766.2	756.4	739.7	715.2	701.5
147.5°	677.5	688.8	707.4	722.1	729.9	731.9	729.9	722.1	707.4	688.8	677.5
150°	655.4	664.3	679.9	692.7	698.5	699.5	698.5	692.7	679.9	664.3	655.4
152.5°	636.8	643.7	656.4	666.2	669.2	670.1	669.2	666.2	656.4	643.7	636.8
155°	619.2	625.1	634.9	642.7	645.6	645.6	645.6	642.7	634.9	625.1	619.2
157.5°	602.5	607.4	615.3	621.1	623.1	623.1	623.1	621.1	615.3	607.4	602.5
160°	585.9	589.8	595.7	601.6	602.5	602.5	602.5	601.6	595.7	589.8	585.9
162.5°	569.7	573.1	577.1	582.9	583.9	582.9	583.9	582.9	577.1	573.1	569.7
165°	555.0	557.5	561.4	565.3	564.3	563.3	564.3	565.3	561.4	557.5	555.0
167.5°	542.3	543.8	545.7	548.6	548.6	547.7	548.6	548.6	545.7	543.8	542.3
170°	529.6	531.0	533.0	534.0	533.0	533.0	533.0	534.0	533.0	531.0	529.6
172.5°	518.3	519.3	520.2	521.2	520.2	518.3	520.2	521.2	520.2	519.3	518.3
175°	509.5	509.5	509.5	511.4	509.5	507.5	509.5	511.4	509.5	509.5	509.5
177.5°	503.1	503.6	502.6	503.6	501.6	499.7	501.6	503.6	502.6	503.6	503.1
180°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	518.3	521.1	518.3	520.1	521.1	523.3	524.3	528.4	529.7	532.9	532.9
5°	487.3	488.6	489.1	490.9	492.7	497.3	500.5	506.4	513.3	514.2	518.3
7.5°	462.2	464.4	468.1	466.7	469.9	476.8	480.9	488.2	495.0	498.7	503.7
10°	439.8	442.5	443.9	445.3	451.2	457.1	463.5	468.5	477.7	483.2	487.3
12.5°	421.5	419.2	422.0	427.0	433.8	437.5	446.2	453.9	460.8	466.7	470.4
15°	397.8	399.6	402.3	411.0	412.8	422.0	425.2	433.8	446.6	452.1	456.7
17.5°	374.9	380.9	386.3	389.5	395.0	402.3	411.5	421.1	429.3	435.7	441.1
20°	356.7	362.6	365.8	368.1	373.6	383.6	392.3	404.2	414.7	419.7	427.0
22.5°	342.0	342.0	346.6	353.5	356.7	366.2	373.6	386.3	397.8	404.2	411.0
25°	323.8	326.5	330.2	336.1	340.7	348.4	358.9	369.9	382.2	387.7	396.4
27.5°	308.7	311.9	316.9	318.3	322.9	329.7	340.7	352.5	365.3	371.3	378.6
30°	297.3	299.1	300.9	303.7	307.8	313.7	322.9	333.4	348.9	353.5	362.6
32.5°	287.2	288.2	289.1	291.4	293.6	299.6	306.9	318.3	331.1	337.9	346.2
35°	278.1	277.2	277.7	279.0	281.3	283.6	291.4	300.9	312.8	321.0	327.4
37.5°	269.4	267.6	267.2	267.2	268.1	270.8	276.7	285.0	297.7	304.6	311.0
40°	259.8	258.0	257.1	256.6	256.2	258.0	262.6	270.8	280.9	287.2	294.6
42.5°	250.7	248.9	246.6	246.1	245.2	246.1	249.3	257.1	265.8	272.2	278.1
45°	241.6	238.4	235.6	233.8	234.3	232.9	235.2	241.1	251.2	255.3	261.2
47.5°	231.5	227.9	224.2	222.4	220.6	221.5	222.4	227.4	236.1	240.2	246.1
50°	221.9	216.9	212.8	210.5	209.2	208.2	209.2	214.2	220.6	224.2	229.2
52.5°	211.0	206.0	201.8	198.2	196.4	195.0	195.5	200.0	206.0	209.6	214.6
55°	200.9	194.5	189.1	184.5	183.1	182.7	182.2	185.4	190.4	194.1	198.2
57.5°	189.5	183.1	177.2	171.7	169.0	168.5	168.5	169.4	175.8	178.6	180.8
60°	178.1	171.3	164.9	159.8	155.7	154.4	153.9	155.7	158.9	161.7	164.9
62.5°	165.3	158.5	150.7	146.1	142.0	138.4	139.7	140.2	144.8	146.1	148.9
65°	153.0	145.2	138.8	131.5	127.0	124.7	123.8	124.7	128.3	128.8	130.6
67.5°	138.8	131.5	123.8	118.7	114.6	110.5	109.6	109.6	111.4	112.8	115.1
70°	125.1	117.8	109.1	103.7	99.6	95.9	94.5	94.1	95.4	96.4	98.6
72.5°	109.1	101.8	95.4	89.5	84.5	81.7	80.4	79.5	80.8	81.7	82.2
75°	92.2	86.3	79.9	74.0	70.8	68.0	66.2	64.8	65.8	65.8	65.8
77.5°	76.3	70.3	65.3	61.2	57.1	53.9	52.5	51.1	51.6	51.6	52.5
80°	59.4	55.3	51.1	47.5	43.8	41.1	40.2	38.8	37.9	37.4	37.4
82.5°	43.8	40.6	37.0	33.8	32.0	29.2	28.3	26.5	26.5	26.0	26.0
85°	29.2	27.4	23.7	21.5	20.1	18.7	17.8	16.9	15.5	15.5	15.1
87.5°	15.5	14.6	13.7	11.0	11.0	9.6	9.1	8.7	7.3	7.8	7.8
90°	19.6	18.6	17.6	16.7	17.6	15.7	13.7	13.7	7.8	7.8	7.8
92.5°	139.1	176.4	236.1	319.4	384.1	336.0	244.0	148.9	88.2	75.4	62.7
95°	442.8	574.1	726.0	821.0	798.5	602.5	368.4	207.7	122.5	101.9	81.3
97.5°	862.2	969.9	1045.4	1029.7	854.3	577.1	336.0	197.9	130.3	112.6	95.0
100°	1153.1	1201.2	1181.6	1038.5	787.7	511.4	311.6	200.8	143.0	127.4	111.7
102.5°	1320.7	1291.3	1174.7	965.0	704.4	467.3	304.7	210.6	159.7	145.0	130.3
105°	1363.8	1266.8	1097.3	872.9	642.7	445.8	308.6	227.3	180.3	166.1	151.9
107.5°	1320.7	1185.5	1002.3	797.5	602.5	439.9	320.4	244.9	201.8	187.6	173.4
110°	1229.6	1087.5	918.0	743.6	583.9	441.9	334.1	265.5	222.4	209.2	195.9

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1133.5	1001.3	856.3	713.2	575.1	447.7	348.8	285.1	244.0	230.8	217.5
115°	1054.2	939.6	819.1	696.6	573.1	455.6	364.5	305.7	266.5	253.2	240.0
117.5°	992.5	899.4	797.5	687.8	572.2	463.4	380.1	325.3	288.0	274.3	260.6
120°	953.3	874.9	783.8	680.9	572.2	472.2	396.8	345.8	308.6	294.9	281.2
122.5°	928.8	859.2	772.0	673.1	571.2	481.0	412.5	365.4	328.2	315.0	301.8
125°	910.2	842.6	758.3	664.3	570.2	489.9	428.1	383.1	347.8	334.1	320.4
127.5°	891.6	824.0	742.6	652.5	568.2	496.7	441.9	399.7	365.4	351.7	338.0
130°	867.1	800.4	723.0	641.7	567.3	504.6	454.6	416.4	383.1	368.9	354.7
132.5°	838.7	774.0	702.5	631.9	566.3	511.4	467.3	430.1	396.8	383.6	370.3
135°	807.3	747.5	683.9	622.1	565.3	518.3	478.1	442.8	410.5	397.8	385.0
137.5°	774.0	722.1	666.2	613.3	565.3	522.2	485.9	452.6	422.3	410.0	397.8
140°	741.7	697.6	651.5	606.5	564.3	527.1	493.8	462.4	433.0	421.2	409.5
142.5°	713.2	677.0	637.8	600.6	564.3	531.0	499.7	471.3	442.8	431.6	420.3
145°	687.8	658.4	625.1	593.7	562.4	532.0	503.6	477.1	451.7	440.9	430.1
147.5°	666.2	641.7	614.3	587.8	559.4	533.0	507.5	484.0	459.5	449.7	439.9
150°	646.6	627.0	604.5	581.0	556.5	533.0	510.4	488.9	467.3	458.0	448.7
152.5°	630.0	612.3	593.7	573.1	551.6	531.0	512.4	492.8	474.2	465.8	457.5
155°	613.3	598.6	582.9	565.3	546.7	529.1	513.4	496.7	480.1	472.8	465.4
157.5°	597.6	584.9	571.2	557.5	541.8	527.1	513.4	499.7	485.0	479.1	473.2
160°	582.0	571.2	560.4	548.6	535.9	524.2	513.4	501.6	489.9	484.5	479.1
162.5°	566.3	558.4	549.6	540.8	530.0	521.2	513.4	503.6	492.8	488.9	485.0
165°	552.6	545.7	539.8	532.0	524.2	517.3	511.4	503.6	494.8	491.8	488.9
167.5°	540.8	534.9	530.0	524.2	518.3	513.4	509.5	503.6	496.7	494.2	491.8
170°	528.1	524.2	521.2	516.3	512.4	509.5	507.5	502.6	497.7	496.2	494.8
172.5°	517.3	515.3	513.4	509.5	506.5	505.5	505.5	501.6	498.7	497.7	496.7
175°	509.5	507.5	506.5	504.6	502.6	502.6	503.6	500.6	498.7	498.7	498.7
177.5°	502.6	502.6	501.6	500.6	499.7	499.7	501.6	499.7	498.7	498.7	498.7
180°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7

TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	551.2	551.2	551.2	551.2
2.5°	536.1	540.7	544.8	551.2
5°	524.3	530.7	539.3	548.9
7.5°	510.6	520.6	532.0	545.3
10°	497.8	509.2	523.8	539.8
12.5°	484.5	498.2	514.2	531.6
15°	469.5	483.2	501.0	524.3
17.5°	455.8	472.2	491.4	516.0
20°	439.8	455.3	476.3	504.6
22.5°	425.6	443.4	466.7	491.4
25°	410.1	425.6	448.9	478.6
27.5°	394.6	413.7	436.1	464.9
30°	379.5	395.5	419.7	449.8
32.5°	363.1	382.2	404.6	432.9
35°	345.2	363.5	384.5	415.1
37.5°	329.3	347.1	368.5	395.5
40°	311.4	330.2	349.8	376.8
42.5°	294.1	311.0	330.6	355.3
45°	277.2	291.8	309.6	331.1
47.5°	259.8	272.2	288.6	307.8
50°	241.1	254.4	266.7	282.7
52.5°	223.8	235.2	245.2	258.5
55°	206.9	214.6	222.9	232.9
57.5°	189.1	195.0	200.9	211.4
60°	171.3	176.7	179.9	186.8
62.5°	153.9	156.2	160.3	164.4
65°	134.7	137.9	140.2	145.2
67.5°	117.4	118.7	121.0	124.2
70°	99.1	102.3	103.2	105.5
72.5°	83.6	84.9	85.9	86.3
75°	66.2	67.6	68.5	71.2
77.5°	52.1	51.6	53.4	53.9
80°	38.4	37.0	37.4	39.3
82.5°	25.1	25.6	25.1	25.1
85°	15.5	15.1	14.2	14.6
87.5°	6.9	6.9	6.4	6.4
90°	6.9	5.9	2.9	1.0
92.5°	45.1	30.4	19.6	13.7
95°	57.8	45.1	35.3	32.3
97.5°	74.5	62.7	53.9	53.9
100°	93.1	81.3	74.5	74.5
102.5°	112.7	101.9	96.0	94.1
105°	134.2	122.5	117.6	114.6
107.5°	156.8	144.0	139.1	137.2
110°	178.3	166.6	161.7	159.7



TEST NUMBER: P1001105

CATALOG NUMBER: SA4XXDIP-B350D1035UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	199.9	189.1	183.2	181.3
115°	221.4	211.6	204.8	201.8
117.5°	243.0	232.2	226.3	223.4
120°	264.5	253.8	246.9	244.9
122.5°	283.1	273.3	266.5	264.5
125°	301.8	291.0	285.1	281.2
127.5°	318.4	306.7	299.8	296.9
130°	336.0	321.4	313.5	309.6
132.5°	349.8	336.0	325.3	322.3
135°	364.5	347.8	338.0	334.1
137.5°	376.2	360.5	349.8	345.8
140°	389.0	372.3	361.5	358.6
142.5°	400.7	385.0	375.2	372.3
145°	411.5	397.8	388.0	385.0
147.5°	424.2	409.5	400.7	399.7
150°	434.0	422.3	414.4	413.4
152.5°	444.8	434.0	426.2	426.2
155°	454.6	444.8	438.9	437.9
157.5°	463.4	455.6	449.7	449.7
160°	471.3	464.4	460.5	460.5
162.5°	478.1	472.2	469.3	470.3
165°	484.0	479.1	477.1	477.1
167.5°	488.9	485.0	484.0	485.0
170°	492.8	489.9	488.9	489.9
172.5°	495.7	493.8	493.8	494.8
175°	497.7	496.7	496.7	497.7
177.5°	498.7	497.7	498.7	499.7
180°	498.7	498.7	498.7	498.7

(END OF REPORT)