

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: P1001165

Luminaire Tested: SA4XXDIP-B350D1205UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001165
REPORT IS A COMBINATION OF REPORTS P995781 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B350D1205UB27-4F0-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

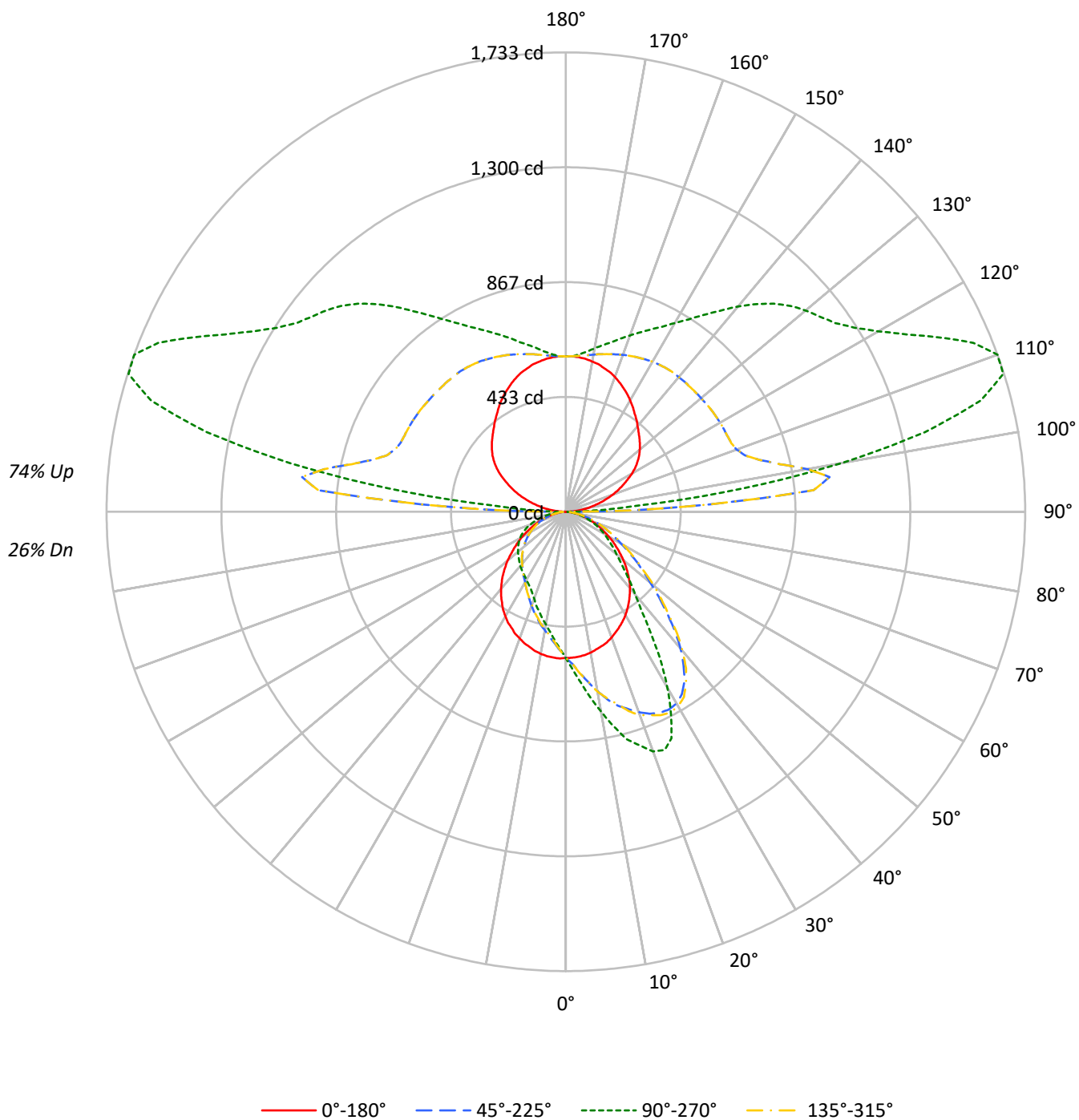
Lumens per Lamp: N/A
Luminaire Lumens: 5791.0 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 48
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: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-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	91	91	91	91	70	70	70	52	52	52	34	34	34
1	93	88	85	81	82	79	76	73	62	59	58	45	44	43	30	30	29
2	84	77	72	67	75	69	64	60	54	51	48	40	38	36	27	26	25
3	77	68	61	56	68	61	55	50	48	44	40	35	33	31	24	22	21
4	70	60	53	47	63	54	48	43	42	38	34	32	29	26	21	20	18
5	65	53	46	40	57	48	41	36	38	33	29	28	25	23	19	17	16
6	59	48	40	35	53	43	36	32	34	29	26	26	22	20	18	16	14
7	55	43	35	30	49	39	32	28	31	26	22	23	20	17	16	14	13
8	51	39	32	26	45	35	29	24	28	23	20	21	18	15	15	13	11
9	47	35	28	23	42	32	26	21	25	21	18	19	16	14	14	12	10
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	13	11	9

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	0.9
10°-20°	165.6	2.9
20°-30°	263.0	4.5
30°-40°	292.3	5.0
40°-50°	265.8	4.6
50°-60°	217.2	3.8
60°-70°	155.1	2.7
70°-80°	85.3	1.5
80°-90°	25.4	0.4
90°-100°	424.7	7.3
100°-110°	886.6	15.3
110°-120°	788.1	13.6
120°-130°	663.4	11.5
130°-140°	553.5	9.6
140°-150°	422.6	7.3
150°-160°	297.1	5.1
160°-170°	174.7	3.0
170°-180°	56.8	1.0
0°-30°	482.3	8.3
0°-40°	774.6	13.4
0°-60°	1257.6	21.7
0°-90°	1523.3	26.3
90°-120°	2099.4	36.3
90°-150°	3739.0	64.6
90°-180°	4268.0	73.7
0°-180°	5791.0	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	24	1	24	1	3
95°	38	281	38	281	38	42
105°	135	1620	135	1620	135	143
115°	237	1555	237	1555	237	235
125°	330	1241	330	1241	330	294
135°	393	1110	393	1110	393	303
145°	452	906	452	906	452	284
155°	515	759	515	759	515	237
165°	561	662	561	662	561	158
175°	585	596	585	596	585	56
180°	586	586	586	586	586	

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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°	1.2	3.5	6.9	8.1	9.2	9.2	9.2	16.1	16.1	18.4	20.7
92.5°	16.1	23.0	35.7	53.0	73.7	88.6	103.6	175.0	286.6	394.9	451.3
95°	38.0	41.4	53.0	67.9	95.5	119.7	143.9	244.1	432.9	708.0	938.2
97.5°	63.3	63.3	73.7	87.5	111.7	132.4	153.1	232.5	394.9	678.1	1003.8
100°	87.5	87.5	95.5	109.4	131.2	149.6	168.1	236.0	366.1	600.9	925.6
102.5°	110.5	112.8	119.7	132.4	153.1	170.4	187.6	247.5	358.0	549.1	827.7
105°	134.7	138.1	143.9	157.7	178.4	195.1	211.8	267.1	362.6	523.8	755.2
107.5°	161.2	163.5	169.2	184.2	203.8	220.4	237.1	287.8	376.4	516.9	708.0
110°	187.6	189.9	195.7	209.5	230.2	245.8	261.3	312.0	392.6	519.2	686.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	213.0	215.3	222.2	234.8	255.6	271.1	286.6	335.0	409.8	526.1	675.8
115°	237.1	240.6	248.7	260.2	282.0	297.6	313.1	359.2	428.2	535.3	673.5
117.5°	262.5	265.9	272.8	285.5	306.2	322.4	338.5	382.2	446.7	544.5	672.3
120°	287.8	290.1	298.2	310.8	330.4	346.5	362.6	406.4	466.2	554.9	672.3
122.5°	310.8	313.1	321.2	332.7	354.6	370.2	385.7	429.4	484.7	565.2	671.1
125°	330.4	335.0	341.9	354.6	376.4	392.5	408.7	450.1	503.1	575.6	670.0
127.5°	348.8	352.3	360.3	374.1	397.2	413.3	429.4	469.7	519.2	583.7	667.7
130°	363.8	368.4	377.6	394.9	416.7	433.4	450.1	489.3	534.2	592.9	666.5
132.5°	378.7	382.2	394.9	411.0	435.2	450.7	466.2	505.4	549.1	600.9	665.4
135°	392.6	397.2	408.7	428.2	452.4	467.4	482.4	520.3	561.8	609.0	664.2
137.5°	406.4	411.0	423.6	442.1	467.4	481.8	496.2	531.9	571.0	613.6	664.2
140°	421.3	424.8	437.5	457.0	481.2	495.0	508.8	543.4	580.2	619.3	663.1
142.5°	437.5	440.9	452.4	470.8	493.9	507.1	520.3	553.7	587.1	623.9	663.1
145°	452.4	455.9	467.4	483.5	505.4	518.0	530.7	560.6	591.7	625.1	660.8
147.5°	469.7	470.8	481.2	498.5	516.9	528.4	539.9	568.7	596.3	626.3	657.3
150°	485.8	487.0	496.2	510.0	527.2	538.2	549.1	574.4	599.8	626.3	653.9
152.5°	500.8	500.8	510.0	522.6	537.6	547.4	557.2	579.1	602.1	623.9	648.1
155°	514.6	515.7	522.6	534.2	546.8	555.4	564.1	583.7	603.2	621.6	642.4
157.5°	528.4	528.4	535.3	544.5	556.0	562.9	569.8	587.1	603.2	619.3	636.6
160°	541.1	541.1	545.7	553.7	562.9	569.2	575.6	589.4	603.2	615.9	629.7
162.5°	552.6	551.4	554.9	561.8	569.8	574.4	579.1	591.7	603.2	612.4	622.8
165°	560.6	560.6	562.9	568.7	574.4	577.9	581.4	591.7	600.9	607.8	615.9
167.5°	569.8	568.7	569.8	574.4	577.9	580.8	583.7	591.7	598.6	603.2	609.0
170°	575.6	574.4	575.6	579.1	581.4	583.1	584.8	590.6	596.3	598.6	602.1
172.5°	581.4	580.2	580.2	582.5	583.7	584.8	586.0	589.4	594.0	594.0	595.2
175°	584.8	583.7	583.7	584.8	586.0	586.0	586.0	588.3	591.7	590.6	590.6
177.5°	587.1	586.0	584.8	586.0	586.0	586.0	586.0	587.1	589.4	587.1	587.1
180°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0

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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°	19.6	20.7	21.9	23.0	23.0	23.0	24.2	25.3	24.2	24.2	24.2
92.5°	375.3	277.4	207.2	163.5	149.1	134.7	117.4	109.4	104.8	104.8	104.8
95°	964.7	853.0	674.6	520.3	464.5	408.7	352.3	316.6	295.9	280.9	295.9
97.5°	1209.9	1228.3	1139.7	1013.1	948.6	884.1	805.8	736.8	702.2	674.6	702.2
100°	1220.3	1388.3	1411.4	1355.0	1312.4	1269.8	1169.6	1099.4	1064.9	1055.6	1064.9
102.5°	1133.9	1380.3	1517.3	1551.8	1540.3	1528.8	1477.0	1430.9	1394.1	1387.2	1394.1
105°	1025.7	1289.3	1488.5	1602.5	1626.1	1649.7	1652.0	1642.8	1626.6	1619.7	1626.6
107.5°	937.1	1177.7	1392.9	1551.8	1600.2	1648.5	1699.2	1719.9	1729.1	1730.3	1729.1
110°	873.8	1078.7	1277.8	1444.8	1508.1	1571.4	1653.1	1701.5	1722.2	1732.6	1722.2

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	838.1	1006.1	1176.5	1331.9	1395.2	1458.6	1554.1	1615.1	1646.2	1664.6	1646.2
115°	818.5	962.4	1104.0	1238.7	1294.0	1349.2	1440.1	1509.2	1546.1	1555.3	1546.1
117.5°	808.1	937.1	1056.8	1166.2	1214.6	1262.9	1343.4	1403.3	1442.5	1448.2	1442.5
120°	800.1	921.0	1028.0	1120.1	1161.0	1201.9	1267.5	1318.1	1348.1	1360.7	1348.1
122.5°	790.9	907.1	1009.6	1091.3	1125.8	1160.4	1213.4	1254.8	1279.0	1291.6	1279.0
125°	780.5	891.0	990.0	1069.5	1101.2	1132.8	1178.8	1212.2	1234.1	1241.0	1234.1
127.5°	766.7	872.6	968.2	1047.6	1077.6	1107.5	1153.5	1183.4	1201.9	1208.8	1201.9
130°	754.0	849.6	940.5	1018.8	1049.3	1079.8	1127.0	1155.8	1174.2	1181.1	1174.2
132.5°	742.5	825.4	909.4	985.4	1015.9	1046.4	1092.5	1125.9	1143.1	1150.0	1143.1
135°	731.0	803.5	878.4	948.6	977.4	1006.1	1052.2	1084.4	1102.8	1109.8	1102.8
137.5°	720.7	782.8	848.4	909.4	935.9	962.4	1006.1	1039.5	1054.5	1062.6	1054.5
140°	712.6	765.5	819.7	871.5	895.6	919.8	960.1	985.4	1001.5	1010.8	1001.5
142.5°	705.7	749.4	795.5	838.1	858.2	878.4	912.9	935.9	949.7	955.5	949.7
145°	697.6	734.5	773.6	808.1	824.2	840.4	869.2	888.7	900.2	906.0	900.2
147.5°	690.7	721.8	754.0	782.8	796.0	809.3	831.2	848.4	857.6	859.9	857.6
150°	682.7	710.3	736.8	759.8	770.2	780.5	798.9	813.9	820.8	822.0	820.8
152.5°	673.5	697.6	719.5	740.2	748.2	756.3	771.3	782.8	786.3	787.4	786.3
155°	664.2	685.0	703.4	720.7	727.6	734.5	746.0	755.2	758.6	758.6	758.6
157.5°	655.0	671.1	687.3	702.2	708.0	713.7	723.0	729.9	732.2	732.2	732.2
160°	644.7	658.5	671.1	683.8	688.4	693.0	699.9	706.8	708.0	708.0	708.0
162.5°	635.5	645.8	656.2	665.4	669.4	673.5	678.1	685.0	686.1	685.0	686.1
165°	625.1	634.3	641.2	649.3	652.2	655.0	659.6	664.2	663.1	661.9	663.1
167.5°	615.9	622.8	628.6	635.5	637.2	638.9	641.2	644.7	644.7	643.5	644.7
170°	606.7	612.4	615.9	620.5	622.2	623.9	626.3	627.4	626.3	626.3	626.3
172.5°	598.6	603.2	605.5	607.8	609.0	610.1	611.3	612.4	611.3	609.0	611.3
175°	592.9	595.2	596.3	598.6	598.6	598.6	598.6	600.9	598.6	596.3	598.6
177.5°	588.3	589.4	590.6	590.6	591.2	591.7	590.6	591.7	589.4	587.1	589.4
180°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-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°	25.3	24.2	23.0	23.0	23.0	21.9	20.7	19.6	20.7	18.4	16.1
92.5°	109.4	117.4	134.7	149.1	163.5	207.2	277.4	375.3	451.3	394.9	286.6
95°	316.6	352.3	408.7	464.5	520.3	674.6	853.0	964.7	938.2	708.0	432.9
97.5°	736.8	805.8	884.1	948.6	1013.1	1139.7	1228.3	1209.9	1003.8	678.1	394.9
100°	1099.4	1169.6	1269.8	1312.4	1355.0	1411.4	1388.3	1220.3	925.6	600.9	366.1
102.5°	1430.9	1477.0	1528.8	1540.3	1551.8	1517.3	1380.3	1133.9	827.7	549.1	358.0
105°	1642.8	1652.0	1649.7	1626.1	1602.5	1488.5	1289.3	1025.7	755.2	523.8	362.6
107.5°	1719.9	1699.2	1648.5	1600.2	1551.8	1392.9	1177.7	937.1	708.0	516.9	376.4
110°	1701.5	1653.1	1571.4	1508.1	1444.8	1277.8	1078.7	873.8	686.1	519.2	392.6



TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1615.1	1554.1	1458.6	1395.2	1331.9	1176.5	1006.1	838.1	675.8	526.1	409.8
115°	1509.2	1440.1	1349.2	1294.0	1238.7	1104.0	962.4	818.5	673.5	535.3	428.2
117.5°	1403.3	1343.4	1262.9	1214.6	1166.2	1056.8	937.1	808.1	672.3	544.5	446.7
120°	1318.1	1267.5	1201.9	1161.0	1120.1	1028.0	921.0	800.1	672.3	554.9	466.2
122.5°	1254.8	1213.4	1160.4	1125.8	1091.3	1009.6	907.1	790.9	671.1	565.2	484.7
125°	1212.2	1178.8	1132.8	1101.2	1069.5	990.0	891.0	780.5	670.0	575.6	503.1
127.5°	1183.4	1153.5	1107.5	1077.6	1047.6	968.2	872.6	766.7	667.7	583.7	519.2
130°	1155.8	1127.0	1079.8	1049.3	1018.8	940.5	849.6	754.0	666.5	592.9	534.2
132.5°	1125.9	1092.5	1046.4	1015.9	985.4	909.4	825.4	742.5	665.4	600.9	549.1
135°	1084.4	1052.2	1006.1	977.4	948.6	878.4	803.5	731.0	664.2	609.0	561.8
137.5°	1039.5	1006.1	962.4	935.9	909.4	848.4	782.8	720.7	664.2	613.6	571.0
140°	985.4	960.1	919.8	895.6	871.5	819.7	765.5	712.6	663.1	619.3	580.2
142.5°	935.9	912.9	878.4	858.2	838.1	795.5	749.4	705.7	663.1	623.9	587.1
145°	888.7	869.2	840.4	824.2	808.1	773.6	734.5	697.6	660.8	625.1	591.7
147.5°	848.4	831.2	809.3	796.0	782.8	754.0	721.8	690.7	657.3	626.3	596.3
150°	813.9	798.9	780.5	770.2	759.8	736.8	710.3	682.7	653.9	626.3	599.8
152.5°	782.8	771.3	756.3	748.2	740.2	719.5	697.6	673.5	648.1	623.9	602.1
155°	755.2	746.0	734.5	727.6	720.7	703.4	685.0	664.2	642.4	621.6	603.2
157.5°	729.9	723.0	713.7	708.0	702.2	687.3	671.1	655.0	636.6	619.3	603.2
160°	706.8	699.9	693.0	688.4	683.8	671.1	658.5	644.7	629.7	615.9	603.2
162.5°	685.0	678.1	673.5	669.4	665.4	656.2	645.8	635.5	622.8	612.4	603.2
165°	664.2	659.6	655.0	652.2	649.3	641.2	634.3	625.1	615.9	607.8	600.9
167.5°	644.7	641.2	638.9	637.2	635.5	628.6	622.8	615.9	609.0	603.2	598.6
170°	627.4	626.3	623.9	622.2	620.5	615.9	612.4	606.7	602.1	598.6	596.3
172.5°	612.4	611.3	610.1	609.0	607.8	605.5	603.2	598.6	595.2	594.0	594.0
175°	600.9	598.6	598.6	598.6	598.6	596.3	595.2	592.9	590.6	590.6	591.7
177.5°	591.7	590.6	591.7	591.2	590.6	590.6	589.4	588.3	587.1	587.1	589.4
180°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-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°	16.1	9.2	9.2	9.2	8.1	6.9	3.5	1.2	3.5	6.9	8.1
92.5°	175.0	103.6	88.6	73.7	53.0	35.7	23.0	16.1	23.0	35.7	53.0
95°	244.1	143.9	119.7	95.5	67.9	53.0	41.4	38.0	41.4	53.0	67.9
97.5°	232.5	153.1	132.4	111.7	87.5	73.7	63.3	63.3	63.3	73.7	87.5
100°	236.0	168.1	149.6	131.2	109.4	95.5	87.5	87.5	87.5	95.5	109.4
102.5°	247.5	187.6	170.4	153.1	132.4	119.7	112.8	110.5	112.8	119.7	132.4
105°	267.1	211.8	195.1	178.4	157.7	143.9	138.1	134.7	138.1	143.9	157.7
107.5°	287.8	237.1	220.4	203.8	184.2	169.2	163.5	161.2	163.5	169.2	184.2
110°	312.0	261.3	245.8	230.2	209.5	195.7	189.9	187.6	189.9	195.7	209.5

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	335.0	286.6	271.1	255.6	234.8	222.2	215.3	213.0	215.3	222.2	234.8
115°	359.2	313.1	297.6	282.0	260.2	248.7	240.6	237.1	240.6	248.7	260.2
117.5°	382.2	338.5	322.4	306.2	285.5	272.8	265.9	262.5	265.9	272.8	285.5
120°	406.4	362.6	346.5	330.4	310.8	298.2	290.1	287.8	290.1	298.2	310.8
122.5°	429.4	385.7	370.2	354.6	332.7	321.2	313.1	310.8	313.1	321.2	332.7
125°	450.1	408.7	392.5	376.4	354.6	341.9	335.0	330.4	335.0	341.9	354.6
127.5°	469.7	429.4	413.3	397.2	374.1	360.3	352.3	348.8	352.3	360.3	374.1
130°	489.3	450.1	433.4	416.7	394.9	377.6	368.4	363.8	368.4	377.6	394.9
132.5°	505.4	466.2	450.7	435.2	411.0	394.9	382.2	378.7	382.2	394.9	411.0
135°	520.3	482.4	467.4	452.4	428.2	408.7	397.2	392.6	397.2	408.7	428.2
137.5°	531.9	496.2	481.8	467.4	442.1	423.6	411.0	406.4	411.0	423.6	442.1
140°	543.4	508.8	495.0	481.2	457.0	437.5	424.8	421.3	424.8	437.5	457.0
142.5°	553.7	520.3	507.1	493.9	470.8	452.4	440.9	437.5	440.9	452.4	470.8
145°	560.6	530.7	518.0	505.4	483.5	467.4	455.9	452.4	455.9	467.4	483.5
147.5°	568.7	539.9	528.4	516.9	498.5	481.2	470.8	469.7	470.8	481.2	498.5
150°	574.4	549.1	538.2	527.2	510.0	496.2	487.0	485.8	487.0	496.2	510.0
152.5°	579.1	557.2	547.4	537.6	522.6	510.0	500.8	500.8	500.8	510.0	522.6
155°	583.7	564.1	555.4	546.8	534.2	522.6	515.7	514.6	515.7	522.6	534.2
157.5°	587.1	569.8	562.9	556.0	544.5	535.3	528.4	528.4	528.4	535.3	544.5
160°	589.4	575.6	569.2	562.9	553.7	545.7	541.1	541.1	541.1	545.7	553.7
162.5°	591.7	579.1	574.4	569.8	561.8	554.9	551.4	552.6	551.4	554.9	561.8
165°	591.7	581.4	577.9	574.4	568.7	562.9	560.6	560.6	560.6	562.9	568.7
167.5°	591.7	583.7	580.8	577.9	574.4	569.8	568.7	569.8	568.7	569.8	574.4
170°	590.6	584.8	583.1	581.4	579.1	575.6	574.4	575.6	574.4	575.6	579.1
172.5°	589.4	586.0	584.8	583.7	582.5	580.2	580.2	581.4	580.2	580.2	582.5
175°	588.3	586.0	586.0	586.0	584.8	583.7	583.7	584.8	583.7	583.7	584.8
177.5°	587.1	586.0	586.0	586.0	586.0	584.8	586.0	587.1	586.0	584.8	586.0
180°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-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°	9.2	9.2	9.2	16.1	16.1	18.4	20.7	19.6	20.7	21.9	23.0
92.5°	73.7	88.6	103.6	175.0	286.6	394.9	451.3	375.3	277.4	207.2	163.5
95°	95.5	119.7	143.9	244.1	432.9	708.0	938.2	964.7	853.0	674.6	520.3
97.5°	111.7	132.4	153.1	232.5	394.9	678.1	1003.8	1209.9	1228.3	1139.7	1013.1
100°	131.2	149.6	168.1	236.0	366.1	600.9	925.6	1220.3	1388.3	1411.4	1355.0
102.5°	153.1	170.4	187.6	247.5	358.0	549.1	827.7	1133.9	1380.3	1517.3	1551.8
105°	178.4	195.1	211.8	267.1	362.6	523.8	755.2	1025.7	1289.3	1488.5	1602.5
107.5°	203.8	220.4	237.1	287.8	376.4	516.9	708.0	937.1	1177.7	1392.9	1551.8
110°	230.2	245.8	261.3	312.0	392.6	519.2	686.1	873.8	1078.7	1277.8	1444.8

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	255.6	271.1	286.6	335.0	409.8	526.1	675.8	838.1	1006.1	1176.5	1331.9
115°	282.0	297.6	313.1	359.2	428.2	535.3	673.5	818.5	962.4	1104.0	1238.7
117.5°	306.2	322.4	338.5	382.2	446.7	544.5	672.3	808.1	937.1	1056.8	1166.2
120°	330.4	346.5	362.6	406.4	466.2	554.9	672.3	800.1	921.0	1028.0	1120.1
122.5°	354.6	370.2	385.7	429.4	484.7	565.2	671.1	790.9	907.1	1009.6	1091.3
125°	376.4	392.5	408.7	450.1	503.1	575.6	670.0	780.5	891.0	990.0	1069.5
127.5°	397.2	413.3	429.4	469.7	519.2	583.7	667.7	766.7	872.6	968.2	1047.6
130°	416.7	433.4	450.1	489.3	534.2	592.9	666.5	754.0	849.6	940.5	1018.8
132.5°	435.2	450.7	466.2	505.4	549.1	600.9	665.4	742.5	825.4	909.4	985.4
135°	452.4	467.4	482.4	520.3	561.8	609.0	664.2	731.0	803.5	878.4	948.6
137.5°	467.4	481.8	496.2	531.9	571.0	613.6	664.2	720.7	782.8	848.4	909.4
140°	481.2	495.0	508.8	543.4	580.2	619.3	663.1	712.6	765.5	819.7	871.5
142.5°	493.9	507.1	520.3	553.7	587.1	623.9	663.1	705.7	749.4	795.5	838.1
145°	505.4	518.0	530.7	560.6	591.7	625.1	660.8	697.6	734.5	773.6	808.1
147.5°	516.9	528.4	539.9	568.7	596.3	626.3	657.3	690.7	721.8	754.0	782.8
150°	527.2	538.2	549.1	574.4	599.8	626.3	653.9	682.7	710.3	736.8	759.8
152.5°	537.6	547.4	557.2	579.1	602.1	623.9	648.1	673.5	697.6	719.5	740.2
155°	546.8	555.4	564.1	583.7	603.2	621.6	642.4	664.2	685.0	703.4	720.7
157.5°	556.0	562.9	569.8	587.1	603.2	619.3	636.6	655.0	671.1	687.3	702.2
160°	562.9	569.2	575.6	589.4	603.2	615.9	629.7	644.7	658.5	671.1	683.8
162.5°	569.8	574.4	579.1	591.7	603.2	612.4	622.8	635.5	645.8	656.2	665.4
165°	574.4	577.9	581.4	591.7	600.9	607.8	615.9	625.1	634.3	641.2	649.3
167.5°	577.9	580.8	583.7	591.7	598.6	603.2	609.0	615.9	622.8	628.6	635.5
170°	581.4	583.1	584.8	590.6	596.3	598.6	602.1	606.7	612.4	615.9	620.5
172.5°	583.7	584.8	586.0	589.4	594.0	594.0	595.2	598.6	603.2	605.5	607.8
175°	586.0	586.0	586.0	588.3	591.7	590.6	590.6	592.9	595.2	596.3	598.6
177.5°	586.0	586.0	586.0	587.1	589.4	587.1	587.1	588.3	589.4	590.6	590.6
180°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-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°	23.0	23.0	24.2	25.3	24.2	24.2	24.2	25.3	24.2	23.0	23.0
92.5°	149.1	134.7	117.4	109.4	104.8	104.8	104.8	109.4	117.4	134.7	149.1
95°	464.5	408.7	352.3	316.6	295.9	280.9	295.9	316.6	352.3	408.7	464.5
97.5°	948.6	884.1	805.8	736.8	702.2	674.6	702.2	736.8	805.8	884.1	948.6
100°	1312.4	1269.8	1169.6	1099.4	1064.9	1055.6	1064.9	1099.4	1169.6	1269.8	1312.4
102.5°	1540.3	1528.8	1477.0	1430.9	1394.1	1387.2	1394.1	1430.9	1477.0	1528.8	1540.3
105°	1626.1	1649.7	1652.0	1642.8	1626.6	1619.7	1626.6	1642.8	1652.0	1649.7	1626.1
107.5°	1600.2	1648.5	1699.2	1719.9	1729.1	1730.3	1729.1	1719.9	1699.2	1648.5	1600.2
110°	1508.1	1571.4	1653.1	1701.5	1722.2	1732.6	1722.2	1701.5	1653.1	1571.4	1508.1

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1395.2	1458.6	1554.1	1615.1	1646.2	1664.6	1646.2	1615.1	1554.1	1458.6	1395.2
115°	1294.0	1349.2	1440.1	1509.2	1546.1	1555.3	1546.1	1509.2	1440.1	1349.2	1294.0
117.5°	1214.6	1262.9	1343.4	1403.3	1442.5	1448.2	1442.5	1403.3	1343.4	1262.9	1214.6
120°	1161.0	1201.9	1267.5	1318.1	1348.1	1360.7	1348.1	1318.1	1267.5	1201.9	1161.0
122.5°	1125.8	1160.4	1213.4	1254.8	1279.0	1291.6	1279.0	1254.8	1213.4	1160.4	1125.8
125°	1101.2	1132.8	1178.8	1212.2	1234.1	1241.0	1234.1	1212.2	1178.8	1132.8	1101.2
127.5°	1077.6	1107.5	1153.5	1183.4	1201.9	1208.8	1201.9	1183.4	1153.5	1107.5	1077.6
130°	1049.3	1079.8	1127.0	1155.8	1174.2	1181.1	1174.2	1155.8	1127.0	1079.8	1049.3
132.5°	1015.9	1046.4	1092.5	1125.9	1143.1	1150.0	1143.1	1125.9	1092.5	1046.4	1015.9
135°	977.4	1006.1	1052.2	1084.4	1102.8	1109.8	1102.8	1084.4	1052.2	1006.1	977.4
137.5°	935.9	962.4	1006.1	1039.5	1054.5	1062.6	1054.5	1039.5	1006.1	962.4	935.9
140°	895.6	919.8	960.1	985.4	1001.5	1010.8	1001.5	985.4	960.1	919.8	895.6
142.5°	858.2	878.4	912.9	935.9	949.7	955.5	949.7	935.9	912.9	878.4	858.2
145°	824.2	840.4	869.2	888.7	900.2	906.0	900.2	888.7	869.2	840.4	824.2
147.5°	796.0	809.3	831.2	848.4	857.6	859.9	857.6	848.4	831.2	809.3	796.0
150°	770.2	780.5	798.9	813.9	820.8	822.0	820.8	813.9	798.9	780.5	770.2
152.5°	748.2	756.3	771.3	782.8	786.3	787.4	786.3	782.8	771.3	756.3	748.2
155°	727.6	734.5	746.0	755.2	758.6	758.6	758.6	755.2	746.0	734.5	727.6
157.5°	708.0	713.7	723.0	729.9	732.2	732.2	732.2	729.9	723.0	713.7	708.0
160°	688.4	693.0	699.9	706.8	708.0	708.0	708.0	706.8	699.9	693.0	688.4
162.5°	669.4	673.5	678.1	685.0	686.1	685.0	686.1	685.0	678.1	673.5	669.4
165°	652.2	655.0	659.6	664.2	663.1	661.9	663.1	664.2	659.6	655.0	652.2
167.5°	637.2	638.9	641.2	644.7	644.7	643.5	644.7	644.7	641.2	638.9	637.2
170°	622.2	623.9	626.3	627.4	626.3	626.3	626.3	627.4	626.3	623.9	622.2
172.5°	609.0	610.1	611.3	612.4	611.3	609.0	611.3	612.4	611.3	610.1	609.0
175°	598.6	598.6	598.6	600.9	598.6	596.3	598.6	600.9	598.6	598.6	598.6
177.5°	591.2	591.7	590.6	591.7	589.4	587.1	589.4	591.7	590.6	591.7	591.2
180°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-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°	23.0	21.9	20.7	19.6	20.7	18.4	16.1	16.1	9.2	9.2	9.2
92.5°	163.5	207.2	277.4	375.3	451.3	394.9	286.6	175.0	103.6	88.6	73.7
95°	520.3	674.6	853.0	964.7	938.2	708.0	432.9	244.1	143.9	119.7	95.5
97.5°	1013.1	1139.7	1228.3	1209.9	1003.8	678.1	394.9	232.5	153.1	132.4	111.7
100°	1355.0	1411.4	1388.3	1220.3	925.6	600.9	366.1	236.0	168.1	149.6	131.2
102.5°	1551.8	1517.3	1380.3	1133.9	827.7	549.1	358.0	247.5	187.6	170.4	153.1
105°	1602.5	1488.5	1289.3	1025.7	755.2	523.8	362.6	267.1	211.8	195.1	178.4
107.5°	1551.8	1392.9	1177.7	937.1	708.0	516.9	376.4	287.8	237.1	220.4	203.8
110°	1444.8	1277.8	1078.7	873.8	686.1	519.2	392.6	312.0	261.3	245.8	230.2

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1331.9	1176.5	1006.1	838.1	675.8	526.1	409.8	335.0	286.6	271.1	255.6
115°	1238.7	1104.0	962.4	818.5	673.5	535.3	428.2	359.2	313.1	297.6	282.0
117.5°	1166.2	1056.8	937.1	808.1	672.3	544.5	446.7	382.2	338.5	322.4	306.2
120°	1120.1	1028.0	921.0	800.1	672.3	554.9	466.2	406.4	362.6	346.5	330.4
122.5°	1091.3	1009.6	907.1	790.9	671.1	565.2	484.7	429.4	385.7	370.2	354.6
125°	1069.5	990.0	891.0	780.5	670.0	575.6	503.1	450.1	408.7	392.5	376.4
127.5°	1047.6	968.2	872.6	766.7	667.7	583.7	519.2	469.7	429.4	413.3	397.2
130°	1018.8	940.5	849.6	754.0	666.5	592.9	534.2	489.3	450.1	433.4	416.7
132.5°	985.4	909.4	825.4	742.5	665.4	600.9	549.1	505.4	466.2	450.7	435.2
135°	948.6	878.4	803.5	731.0	664.2	609.0	561.8	520.3	482.4	467.4	452.4
137.5°	909.4	848.4	782.8	720.7	664.2	613.6	571.0	531.9	496.2	481.8	467.4
140°	871.5	819.7	765.5	712.6	663.1	619.3	580.2	543.4	508.8	495.0	481.2
142.5°	838.1	795.5	749.4	705.7	663.1	623.9	587.1	553.7	520.3	507.1	493.9
145°	808.1	773.6	734.5	697.6	660.8	625.1	591.7	560.6	530.7	518.0	505.4
147.5°	782.8	754.0	721.8	690.7	657.3	626.3	596.3	568.7	539.9	528.4	516.9
150°	759.8	736.8	710.3	682.7	653.9	626.3	599.8	574.4	549.1	538.2	527.2
152.5°	740.2	719.5	697.6	673.5	648.1	623.9	602.1	579.1	557.2	547.4	537.6
155°	720.7	703.4	685.0	664.2	642.4	621.6	603.2	583.7	564.1	555.4	546.8
157.5°	702.2	687.3	671.1	655.0	636.6	619.3	603.2	587.1	569.8	562.9	556.0
160°	683.8	671.1	658.5	644.7	629.7	615.9	603.2	589.4	575.6	569.2	562.9
162.5°	665.4	656.2	645.8	635.5	622.8	612.4	603.2	591.7	579.1	574.4	569.8
165°	649.3	641.2	634.3	625.1	615.9	607.8	600.9	591.7	581.4	577.9	574.4
167.5°	635.5	628.6	622.8	615.9	609.0	603.2	598.6	591.7	583.7	580.8	577.9
170°	620.5	615.9	612.4	606.7	602.1	598.6	596.3	590.6	584.8	583.1	581.4
172.5°	607.8	605.5	603.2	598.6	595.2	594.0	594.0	589.4	586.0	584.8	583.7
175°	598.6	596.3	595.2	592.9	590.6	590.6	591.7	588.3	586.0	586.0	586.0
177.5°	590.6	590.6	589.4	588.3	587.1	587.1	589.4	587.1	586.0	586.0	586.0
180°	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0	586.0

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-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°	8.1	6.9	3.5	1.2
92.5°	53.0	35.7	23.0	16.1
95°	67.9	53.0	41.4	38.0
97.5°	87.5	73.7	63.3	63.3
100°	109.4	95.5	87.5	87.5
102.5°	132.4	119.7	112.8	110.5
105°	157.7	143.9	138.1	134.7
107.5°	184.2	169.2	163.5	161.2
110°	209.5	195.7	189.9	187.6

TEST NUMBER: P1001165

CATALOG NUMBER: SA4XXDIP-B350D1205UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	234.8	222.2	215.3	213.0
115°	260.2	248.7	240.6	237.1
117.5°	285.5	272.8	265.9	262.5
120°	310.8	298.2	290.1	287.8
122.5°	332.7	321.2	313.1	310.8
125°	354.6	341.9	335.0	330.4
127.5°	374.1	360.3	352.3	348.8
130°	394.9	377.6	368.4	363.8
132.5°	411.0	394.9	382.2	378.7
135°	428.2	408.7	397.2	392.6
137.5°	442.1	423.6	411.0	406.4
140°	457.0	437.5	424.8	421.3
142.5°	470.8	452.4	440.9	437.5
145°	483.5	467.4	455.9	452.4
147.5°	498.5	481.2	470.8	469.7
150°	510.0	496.2	487.0	485.8
152.5°	522.6	510.0	500.8	500.8
155°	534.2	522.6	515.7	514.6
157.5°	544.5	535.3	528.4	528.4
160°	553.7	545.7	541.1	541.1
162.5°	561.8	554.9	551.4	552.6
165°	568.7	562.9	560.6	560.6
167.5°	574.4	569.8	568.7	569.8
170°	579.1	575.6	574.4	575.6
172.5°	582.5	580.2	580.2	581.4
175°	584.8	583.7	583.7	584.8
177.5°	586.0	584.8	586.0	587.1
180°	586.0	586.0	586.0	586.0

(END OF REPORT)