

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: P1001272

Luminaire Tested: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001272
REPORT IS A COMBINATION OF REPORTS P995891 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1
Description: Define 4 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

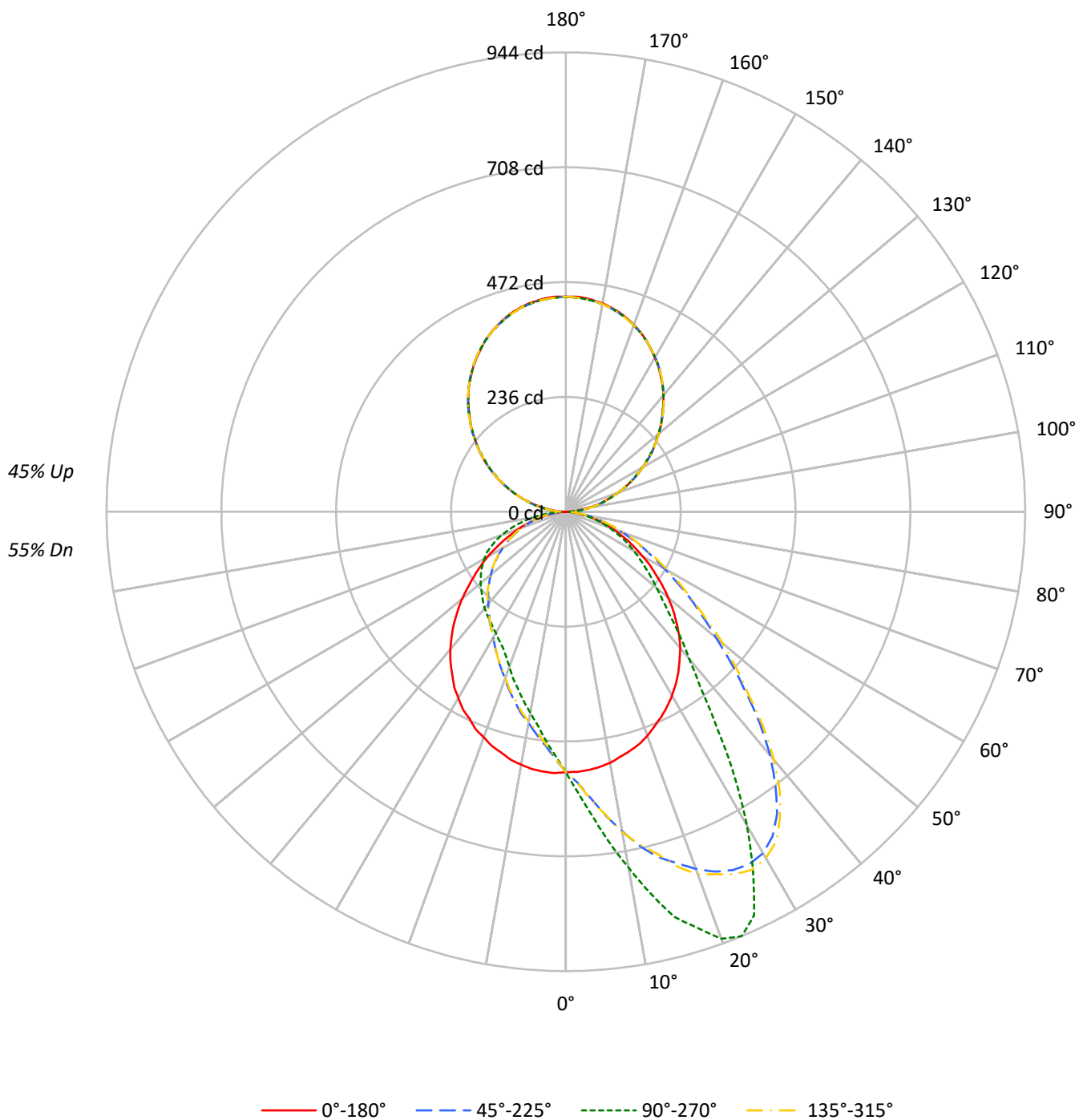
Lumens per Lamp: N/A
Luminaire Lumens: 2703.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 22.3
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: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60
1	99	95	91	88	92	88	85	82	76	73	71	64	63	61	54	53	51
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	38
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	34	31	28
6	64	52	44	38	59	49	42	36	43	37	33	37	32	29	31	28	25
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17

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

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.9
10°-20°	160.7	5.9
20°-30°	255.3	9.4
30°-40°	283.6	10.5
40°-50°	257.9	9.5
50°-60°	210.8	7.8
60°-70°	150.5	5.6
70°-80°	82.8	3.1
80°-90°	23.3	0.9
90°-100°	28.8	1.1
100°-110°	86.3	3.2
110°-120°	146.5	5.4
120°-130°	193.3	7.2
130°-140°	217.1	8.0
140°-150°	213.4	7.9
150°-160°	179.5	6.6
160°-170°	119.4	4.4
170°-180°	41.8	1.5
0°-30°	468.0	17.3
0°-40°	751.6	27.8
0°-60°	1220.4	45.1
0°-90°	1476.9	54.6
90°-120°	261.6	9.7
90°-150°	885.4	32.8
90°-180°	1226.0	45.4
0°-180°	2703.0	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	10	1	10	1	2
95°	20	27	20	27	20	22
105°	80	83	80	83	80	84
115°	149	148	149	148	149	147
125°	217	215	217	215	217	193
135°	280	280	280	280	280	217
145°	340	340	340	340	340	213
155°	390	389	390	389	390	179
165°	424	423	424	423	424	120
175°	441	439	441	439	441	42
180°	442	442	442	442	442	

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

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	1.8	2.7	3.5	4.4	4.8	5.1	5.7	6.3	6.9	7.5
92.5°	8.9	9.9	10.9	11.8	12.8	13.3	13.5	13.9	14.2	14.6	15.0
95°	20.5	21.2	21.9	22.6	23.3	23.6	23.9	24.4	24.9	25.5	26.0
97.5°	32.8	33.4	34.0	34.6	35.2	35.5	35.8	36.4	37.1	37.7	38.3
100°	47.8	48.1	48.4	48.7	49.0	49.2	49.5	50.2	50.9	51.6	52.3
102.5°	63.6	63.7	63.7	63.8	63.9	63.9	64.2	64.8	65.4	66.0	66.6
105°	79.6	79.7	79.8	79.9	80.0	80.0	80.1	80.4	80.7	81.0	81.3
107.5°	96.4	96.5	96.5	96.6	96.7	96.7	96.7	96.8	96.9	97.0	97.1
110°	113.5	113.6	113.8	113.9	114.0	114.1	114.1	114.0	113.9	113.9	113.8

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	131.2	131.2	131.2	131.2	131.2	131.2	131.1	131.0	130.8	130.7	130.5
115°	149.0	149.0	149.0	149.0	149.0	149.0	148.9	148.8	148.6	148.5	148.3
117.5°	165.7	165.7	165.7	165.7	165.7	165.7	165.7	165.6	165.5	165.5	165.4
120°	182.5	182.8	183.1	183.4	183.7	183.9	183.8	183.5	183.3	183.0	182.8
122.5°	199.9	200.0	200.1	200.2	200.3	200.3	200.3	200.2	200.1	200.0	199.9
125°	217.0	217.0	217.0	217.0	217.0	217.0	217.0	216.9	216.8	216.8	216.7
127.5°	232.4	232.6	232.8	233.1	233.3	233.4	233.3	233.2	233.0	232.9	232.7
130°	248.8	249.0	249.2	249.5	249.7	249.8	249.8	249.8	249.8	249.8	249.8
132.5°	265.5	265.7	265.8	266.0	266.1	266.2	266.2	266.1	266.0	266.0	265.9
135°	279.9	280.3	280.8	281.2	281.7	281.9	281.9	281.9	281.9	281.9	281.9
137.5°	296.0	296.2	296.4	296.7	296.9	297.0	297.1	297.2	297.4	297.5	297.7
140°	312.0	312.2	312.3	312.5	312.6	312.7	312.7	312.7	312.7	312.7	312.7
142.5°	326.7	326.9	327.0	327.2	327.3	327.4	327.4	327.3	327.2	327.2	327.1
145°	340.0	340.3	340.6	340.9	341.2	341.4	341.4	341.5	341.6	341.6	341.7
147.5°	353.7	354.1	354.5	354.8	355.2	355.4	355.4	355.3	355.2	355.2	355.1
150°	366.0	366.3	366.6	366.9	367.2	367.4	367.4	367.4	367.4	367.4	367.4
152.5°	377.6	377.8	377.9	378.1	378.2	378.3	378.3	378.4	378.5	378.6	378.7
155°	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.5	389.4	389.4	389.3
157.5°	399.8	399.7	399.5	399.4	399.3	399.2	399.2	399.2	399.2	399.2	399.2
160°	408.7	408.6	408.6	408.5	408.4	408.4	408.4	408.3	408.2	408.1	408.0
162.5°	416.9	416.7	416.5	416.2	416.0	415.9	415.9	415.8	415.7	415.7	415.6
165°	424.1	423.9	423.7	423.4	423.2	423.1	423.0	422.9	422.7	422.6	422.4
167.5°	429.9	429.6	429.3	429.0	428.7	428.6	428.6	428.6	428.6	428.6	428.6
170°	434.7	434.3	433.9	433.6	433.2	433.0	433.0	433.1	433.2	433.2	433.3
172.5°	438.1	437.8	437.5	437.2	436.9	436.8	436.8	436.8	436.8	436.8	436.8
175°	441.2	440.8	440.4	440.1	439.7	439.5	439.5	439.4	439.3	439.2	439.1
177.5°	442.6	442.2	441.8	441.5	441.1	440.9	440.9	440.9	440.9	440.9	440.9
180°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

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°	8.0	8.4	8.9	9.4	9.6	9.7	9.8	10.0	10.1	10.3	10.1
92.5°	15.2	15.5	15.7	16.0	16.1	16.1	16.2	16.3	16.3	16.4	16.3
95°	26.2	26.4	26.7	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0
97.5°	38.6	38.9	39.2	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6
100°	52.5	52.6	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
102.5°	66.8	67.1	67.3	67.6	67.7	67.7	67.8	67.9	67.9	68.0	67.9
105°	81.5	81.8	82.0	82.3	82.4	82.5	82.7	83.0	83.2	83.4	83.2
107.5°	97.4	97.7	98.0	98.3	98.4	98.4	98.3	98.2	98.2	98.1	98.2
110°	113.6	113.5	113.3	113.2	113.1	113.2	113.4	113.7	113.9	114.1	113.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
115°	148.2	148.2	148.1	148.0	148.0	148.0	147.9	147.8	147.7	147.6	147.7
117.5°	165.2	165.0	164.7	164.5	164.4	164.3	164.1	163.8	163.6	163.4	163.6
120°	182.4	182.0	181.7	181.3	181.1	181.2	181.3	181.5	181.6	181.8	181.6
122.5°	199.7	199.5	199.2	199.0	198.9	198.7	198.3	198.0	197.6	197.2	197.6
125°	216.5	216.4	216.2	216.1	216.0	215.9	215.8	215.6	215.5	215.3	215.5
127.5°	232.5	232.4	232.2	232.1	232.0	232.0	231.9	231.8	231.8	231.7	231.8
130°	249.6	249.5	249.3	249.2	249.1	249.0	248.7	248.4	248.1	247.8	248.1
132.5°	265.7	265.6	265.4	265.3	265.2	265.2	265.1	265.0	265.0	264.9	265.0
135°	281.8	281.6	281.5	281.4	281.3	281.2	280.9	280.7	280.4	280.2	280.4
137.5°	297.5	297.2	297.0	296.7	296.6	296.6	296.7	296.8	296.9	297.0	296.9
140°	312.6	312.6	312.5	312.4	312.4	312.4	312.3	312.2	312.1	312.0	312.1
142.5°	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1
145°	341.6	341.6	341.5	341.4	341.4	341.3	341.1	340.8	340.6	340.4	340.6
147.5°	355.0	354.9	354.8	354.7	354.7	354.7	354.6	354.5	354.5	354.4	354.5
150°	367.4	367.4	367.4	367.4	367.4	367.4	367.3	367.2	367.1	367.0	367.1
152.5°	378.9	379.1	379.4	379.6	379.7	379.6	379.4	379.1	378.9	378.7	378.9
155°	389.6	389.9	390.2	390.5	390.6	390.5	390.2	389.9	389.6	389.3	389.6
157.5°	399.4	399.6	399.9	400.1	400.2	400.1	399.9	399.6	399.4	399.2	399.4
160°	408.2	408.5	408.7	409.0	409.1	408.9	408.5	408.2	407.8	407.4	407.8
162.5°	416.0	416.5	416.9	417.4	417.6	417.4	417.0	416.7	416.3	415.9	416.3
165°	422.9	423.3	423.8	424.3	424.5	424.3	424.0	423.7	423.4	423.1	423.4
167.5°	429.0	429.5	429.9	430.4	430.6	430.4	429.9	429.5	429.0	428.6	429.0
170°	433.8	434.2	434.7	435.2	435.4	435.1	434.6	434.1	433.5	433.0	433.5
172.5°	437.3	437.8	438.3	438.8	439.1	438.8	438.3	437.8	437.3	436.8	437.3
175°	439.6	440.2	440.7	441.2	441.5	441.2	440.7	440.2	439.6	439.1	439.6
177.5°	441.4	441.9	442.4	442.9	443.2	442.9	442.3	441.7	441.1	440.5	441.1
180°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

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°	10.0	9.8	9.7	9.6	9.4	8.9	8.4	8.0	7.5	6.9	6.3
92.5°	16.3	16.2	16.1	16.1	16.0	15.7	15.5	15.2	15.0	14.6	14.2
95°	27.0	27.0	27.0	27.0	26.9	26.7	26.4	26.2	26.0	25.5	24.9
97.5°	39.6	39.6	39.6	39.6	39.5	39.2	38.9	38.6	38.3	37.7	37.1
100°	53.0	53.0	53.0	53.0	52.9	52.8	52.6	52.5	52.3	51.6	50.9
102.5°	67.9	67.8	67.7	67.7	67.6	67.3	67.1	66.8	66.6	66.0	65.4
105°	83.0	82.7	82.5	82.4	82.3	82.0	81.8	81.5	81.3	81.0	80.7
107.5°	98.2	98.3	98.4	98.4	98.3	98.0	97.7	97.4	97.1	97.0	96.9
110°	113.7	113.4	113.2	113.1	113.2	113.3	113.5	113.6	113.8	113.9	113.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.7	130.8
115°	147.8	147.9	148.0	148.0	148.0	148.1	148.2	148.2	148.3	148.5	148.6
117.5°	163.8	164.1	164.3	164.4	164.5	164.7	165.0	165.2	165.4	165.5	165.5
120°	181.5	181.3	181.2	181.1	181.3	181.7	182.0	182.4	182.8	183.0	183.3
122.5°	198.0	198.3	198.7	198.9	199.0	199.2	199.5	199.7	199.9	200.0	200.1
125°	215.6	215.8	215.9	216.0	216.1	216.2	216.4	216.5	216.7	216.8	216.8
127.5°	231.8	231.9	232.0	232.0	232.1	232.2	232.4	232.5	232.7	232.9	233.0
130°	248.4	248.7	249.0	249.1	249.2	249.3	249.5	249.6	249.8	249.8	249.8
132.5°	265.0	265.1	265.2	265.2	265.3	265.4	265.6	265.7	265.9	266.0	266.0
135°	280.7	280.9	281.2	281.3	281.4	281.5	281.6	281.8	281.9	281.9	281.9
137.5°	296.8	296.7	296.6	296.6	296.7	297.0	297.2	297.5	297.7	297.5	297.4
140°	312.2	312.3	312.4	312.4	312.4	312.5	312.6	312.6	312.7	312.7	312.7
142.5°	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.2	327.2
145°	340.8	341.1	341.3	341.4	341.4	341.5	341.6	341.6	341.7	341.6	341.6
147.5°	354.5	354.6	354.7	354.7	354.7	354.8	354.9	355.0	355.1	355.2	355.2
150°	367.2	367.3	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4
152.5°	379.1	379.4	379.6	379.7	379.6	379.4	379.1	378.9	378.7	378.6	378.5
155°	389.9	390.2	390.5	390.6	390.5	390.2	389.9	389.6	389.3	389.4	389.4
157.5°	399.6	399.9	400.1	400.2	400.1	399.9	399.6	399.4	399.2	399.2	399.2
160°	408.2	408.5	408.9	409.1	409.0	408.7	408.5	408.2	408.0	408.1	408.2
162.5°	416.7	417.0	417.4	417.6	417.4	416.9	416.5	416.0	415.6	415.7	415.7
165°	423.7	424.0	424.3	424.5	424.3	423.8	423.3	422.9	422.4	422.6	422.7
167.5°	429.5	429.9	430.4	430.6	430.4	429.9	429.5	429.0	428.6	428.6	428.6
170°	434.1	434.6	435.1	435.4	435.2	434.7	434.2	433.8	433.3	433.2	433.2
172.5°	437.8	438.3	438.8	439.1	438.8	438.3	437.8	437.3	436.8	436.8	436.8
175°	440.2	440.7	441.2	441.5	441.2	440.7	440.2	439.6	439.1	439.2	439.3
177.5°	441.7	442.3	442.9	443.2	442.9	442.4	441.9	441.4	440.9	440.9	440.9
180°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

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°	5.7	5.1	4.8	4.4	3.5	2.7	1.8	1.0	1.8	2.7	3.5
92.5°	13.9	13.5	13.3	12.8	11.8	10.9	9.9	8.9	9.9	10.9	11.8
95°	24.4	23.9	23.6	23.3	22.6	21.9	21.2	20.5	21.2	21.9	22.6
97.5°	36.4	35.8	35.5	35.2	34.6	34.0	33.4	32.8	33.4	34.0	34.6
100°	50.2	49.5	49.2	49.0	48.7	48.4	48.1	47.8	48.1	48.4	48.7
102.5°	64.8	64.2	63.9	63.9	63.8	63.7	63.7	63.6	63.7	63.7	63.8
105°	80.4	80.1	80.0	80.0	79.9	79.8	79.7	79.6	79.7	79.8	79.9
107.5°	96.8	96.7	96.7	96.7	96.6	96.5	96.5	96.4	96.5	96.5	96.6
110°	114.0	114.1	114.1	114.0	113.9	113.8	113.6	113.5	113.6	113.8	113.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	131.0	131.1	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2
115°	148.8	148.9	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0	149.0
117.5°	165.6	165.7	165.7	165.7	165.7	165.7	165.7	165.7	165.7	165.7	165.7
120°	183.5	183.8	183.9	183.7	183.4	183.1	182.8	182.5	182.8	183.1	183.4
122.5°	200.2	200.3	200.3	200.3	200.2	200.1	200.0	199.9	200.0	200.1	200.2
125°	216.9	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0	217.0
127.5°	233.2	233.3	233.4	233.3	233.1	232.8	232.6	232.4	232.6	232.8	233.1
130°	249.8	249.8	249.8	249.7	249.5	249.2	249.0	248.8	249.0	249.2	249.5
132.5°	266.1	266.2	266.2	266.1	266.0	265.8	265.7	265.5	265.7	265.8	266.0
135°	281.9	281.9	281.9	281.7	281.2	280.8	280.3	279.9	280.3	280.8	281.2
137.5°	297.2	297.1	297.0	296.9	296.7	296.4	296.2	296.0	296.2	296.4	296.7
140°	312.7	312.7	312.7	312.6	312.5	312.3	312.2	312.0	312.2	312.3	312.5
142.5°	327.3	327.4	327.4	327.3	327.2	327.0	326.9	326.7	326.9	327.0	327.2
145°	341.5	341.4	341.4	341.2	340.9	340.6	340.3	340.0	340.3	340.6	340.9
147.5°	355.3	355.4	355.4	355.2	354.8	354.5	354.1	353.7	354.1	354.5	354.8
150°	367.4	367.4	367.4	367.2	366.9	366.6	366.3	366.0	366.3	366.6	366.9
152.5°	378.4	378.3	378.3	378.2	378.1	377.9	377.8	377.6	377.8	377.9	378.1
155°	389.5	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6
157.5°	399.2	399.2	399.2	399.3	399.4	399.5	399.7	399.8	399.7	399.5	399.4
160°	408.3	408.4	408.4	408.4	408.5	408.6	408.6	408.7	408.6	408.6	408.5
162.5°	415.8	415.9	415.9	416.0	416.2	416.5	416.7	416.9	416.7	416.5	416.2
165°	422.9	423.0	423.1	423.2	423.4	423.7	423.9	424.1	423.9	423.7	423.4
167.5°	428.6	428.6	428.6	428.7	429.0	429.3	429.6	429.9	429.6	429.3	429.0
170°	433.1	433.0	433.0	433.2	433.6	433.9	434.3	434.7	434.3	433.9	433.6
172.5°	436.8	436.8	436.8	436.9	437.2	437.5	437.8	438.1	437.8	437.5	437.2
175°	439.4	439.5	439.5	439.7	440.1	440.4	440.8	441.2	440.8	440.4	440.1
177.5°	440.9	440.9	440.9	441.1	441.5	441.8	442.2	442.6	442.2	441.8	441.5
180°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

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°	4.4	4.8	5.1	5.7	6.3	6.9	7.5	8.0	8.4	8.9	9.4
92.5°	12.8	13.3	13.5	13.9	14.2	14.6	15.0	15.2	15.5	15.7	16.0
95°	23.3	23.6	23.9	24.4	24.9	25.5	26.0	26.2	26.4	26.7	26.9
97.5°	35.2	35.5	35.8	36.4	37.1	37.7	38.3	38.6	38.9	39.2	39.5
100°	49.0	49.2	49.5	50.2	50.9	51.6	52.3	52.5	52.6	52.8	52.9
102.5°	63.9	63.9	64.2	64.8	65.4	66.0	66.6	66.8	67.1	67.3	67.6
105°	80.0	80.0	80.1	80.4	80.7	81.0	81.3	81.5	81.8	82.0	82.3
107.5°	96.7	96.7	96.7	96.8	96.9	97.0	97.1	97.4	97.7	98.0	98.3
110°	114.0	114.1	114.1	114.0	113.9	113.9	113.8	113.6	113.5	113.3	113.2

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	131.2	131.2	131.1	131.0	130.8	130.7	130.5	130.5	130.5	130.5	130.5
115°	149.0	149.0	148.9	148.8	148.6	148.5	148.3	148.2	148.2	148.1	148.0
117.5°	165.7	165.7	165.7	165.6	165.5	165.5	165.4	165.2	165.0	164.7	164.5
120°	183.7	183.9	183.8	183.5	183.3	183.0	182.8	182.4	182.0	181.7	181.3
122.5°	200.3	200.3	200.3	200.2	200.1	200.0	199.9	199.7	199.5	199.2	199.0
125°	217.0	217.0	217.0	216.9	216.8	216.8	216.7	216.5	216.4	216.2	216.1
127.5°	233.3	233.4	233.3	233.2	233.0	232.9	232.7	232.5	232.4	232.2	232.1
130°	249.7	249.8	249.8	249.8	249.8	249.8	249.8	249.6	249.5	249.3	249.2
132.5°	266.1	266.2	266.2	266.1	266.0	266.0	265.9	265.7	265.6	265.4	265.3
135°	281.7	281.9	281.9	281.9	281.9	281.9	281.9	281.8	281.6	281.5	281.4
137.5°	296.9	297.0	297.1	297.2	297.4	297.5	297.7	297.5	297.2	297.0	296.7
140°	312.6	312.7	312.7	312.7	312.7	312.7	312.7	312.6	312.6	312.5	312.4
142.5°	327.3	327.4	327.4	327.3	327.2	327.2	327.1	327.1	327.1	327.1	327.1
145°	341.2	341.4	341.4	341.5	341.6	341.6	341.7	341.6	341.6	341.5	341.4
147.5°	355.2	355.4	355.4	355.3	355.2	355.2	355.1	355.0	354.9	354.8	354.7
150°	367.2	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4
152.5°	378.2	378.3	378.3	378.4	378.5	378.6	378.7	378.9	379.1	379.4	379.6
155°	389.6	389.6	389.6	389.5	389.4	389.4	389.3	389.6	389.9	390.2	390.5
157.5°	399.3	399.2	399.2	399.2	399.2	399.2	399.2	399.4	399.6	399.9	400.1
160°	408.4	408.4	408.4	408.3	408.2	408.1	408.0	408.2	408.5	408.7	409.0
162.5°	416.0	415.9	415.9	415.8	415.7	415.7	415.6	416.0	416.5	416.9	417.4
165°	423.2	423.1	423.0	422.9	422.7	422.6	422.4	422.9	423.3	423.8	424.3
167.5°	428.7	428.6	428.6	428.6	428.6	428.6	428.6	429.0	429.5	429.9	430.4
170°	433.2	433.0	433.0	433.1	433.2	433.2	433.3	433.8	434.2	434.7	435.2
172.5°	436.9	436.8	436.8	436.8	436.8	436.8	436.8	437.3	437.8	438.3	438.8
175°	439.7	439.5	439.5	439.4	439.3	439.2	439.1	439.6	440.2	440.7	441.2
177.5°	441.1	440.9	440.9	440.9	440.9	440.9	440.9	441.4	441.9	442.4	442.9
180°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

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°	9.6	9.7	9.8	10.0	10.1	10.3	10.1	10.0	9.8	9.7	9.6
92.5°	16.1	16.1	16.2	16.3	16.3	16.4	16.3	16.3	16.2	16.1	16.1
95°	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
97.5°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
100°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
102.5°	67.7	67.7	67.8	67.9	67.9	68.0	67.9	67.9	67.8	67.7	67.7
105°	82.4	82.5	82.7	83.0	83.2	83.4	83.2	83.0	82.7	82.5	82.4
107.5°	98.4	98.4	98.3	98.2	98.2	98.1	98.2	98.2	98.3	98.4	98.4
110°	113.1	113.2	113.4	113.7	113.9	114.1	113.9	113.7	113.4	113.2	113.1

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
115°	148.0	148.0	147.9	147.8	147.7	147.6	147.7	147.8	147.9	148.0	148.0
117.5°	164.4	164.3	164.1	163.8	163.6	163.4	163.6	163.8	164.1	164.3	164.4
120°	181.1	181.2	181.3	181.5	181.6	181.8	181.6	181.5	181.3	181.2	181.1
122.5°	198.9	198.7	198.3	198.0	197.6	197.2	197.6	198.0	198.3	198.7	198.9
125°	216.0	215.9	215.8	215.6	215.5	215.3	215.5	215.6	215.8	215.9	216.0
127.5°	232.0	232.0	231.9	231.8	231.8	231.7	231.8	231.8	231.9	232.0	232.0
130°	249.1	249.0	248.7	248.4	248.1	247.8	248.1	248.4	248.7	249.0	249.1
132.5°	265.2	265.2	265.1	265.0	265.0	264.9	265.0	265.0	265.1	265.2	265.2
135°	281.3	281.2	280.9	280.7	280.4	280.2	280.4	280.7	280.9	281.2	281.3
137.5°	296.6	296.6	296.7	296.8	296.9	297.0	296.9	296.8	296.7	296.6	296.6
140°	312.4	312.4	312.3	312.2	312.1	312.0	312.1	312.2	312.3	312.4	312.4
142.5°	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1	327.1
145°	341.4	341.3	341.1	340.8	340.6	340.4	340.6	340.8	341.1	341.3	341.4
147.5°	354.7	354.7	354.6	354.5	354.5	354.4	354.5	354.5	354.6	354.7	354.7
150°	367.4	367.4	367.3	367.2	367.1	367.0	367.1	367.2	367.3	367.4	367.4
152.5°	379.7	379.6	379.4	379.1	378.9	378.7	378.9	379.1	379.4	379.6	379.7
155°	390.6	390.5	390.2	389.9	389.6	389.3	389.6	389.9	390.2	390.5	390.6
157.5°	400.2	400.1	399.9	399.6	399.4	399.2	399.4	399.6	399.9	400.1	400.2
160°	409.1	408.9	408.5	408.2	407.8	407.4	407.8	408.2	408.5	408.9	409.1
162.5°	417.6	417.4	417.0	416.7	416.3	415.9	416.3	416.7	417.0	417.4	417.6
165°	424.5	424.3	424.0	423.7	423.4	423.1	423.4	423.7	424.0	424.3	424.5
167.5°	430.6	430.4	429.9	429.5	429.0	428.6	429.0	429.5	429.9	430.4	430.6
170°	435.4	435.1	434.6	434.1	433.5	433.0	433.5	434.1	434.6	435.1	435.4
172.5°	439.1	438.8	438.3	437.8	437.3	436.8	437.3	437.8	438.3	438.8	439.1
175°	441.5	441.2	440.7	440.2	439.6	439.1	439.6	440.2	440.7	441.2	441.5
177.5°	443.2	442.9	442.3	441.7	441.1	440.5	441.1	441.7	442.3	442.9	443.2
180°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

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°	9.4	8.9	8.4	8.0	7.5	6.9	6.3	5.7	5.1	4.8	4.4
92.5°	16.0	15.7	15.5	15.2	15.0	14.6	14.2	13.9	13.5	13.3	12.8
95°	26.9	26.7	26.4	26.2	26.0	25.5	24.9	24.4	23.9	23.6	23.3
97.5°	39.5	39.2	38.9	38.6	38.3	37.7	37.1	36.4	35.8	35.5	35.2
100°	52.9	52.8	52.6	52.5	52.3	51.6	50.9	50.2	49.5	49.2	49.0
102.5°	67.6	67.3	67.1	66.8	66.6	66.0	65.4	64.8	64.2	63.9	63.9
105°	82.3	82.0	81.8	81.5	81.3	81.0	80.7	80.4	80.1	80.0	80.0
107.5°	98.3	98.0	97.7	97.4	97.1	97.0	96.9	96.8	96.7	96.7	96.7
110°	113.2	113.3	113.5	113.6	113.8	113.9	113.9	114.0	114.1	114.1	114.0

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	130.5	130.5	130.5	130.5	130.5	130.7	130.8	131.0	131.1	131.2	131.2
115°	148.0	148.1	148.2	148.2	148.3	148.5	148.6	148.8	148.9	149.0	149.0
117.5°	164.5	164.7	165.0	165.2	165.4	165.5	165.5	165.6	165.7	165.7	165.7
120°	181.3	181.7	182.0	182.4	182.8	183.0	183.3	183.5	183.8	183.9	183.7
122.5°	199.0	199.2	199.5	199.7	199.9	200.0	200.1	200.2	200.3	200.3	200.3
125°	216.1	216.2	216.4	216.5	216.7	216.8	216.8	216.9	217.0	217.0	217.0
127.5°	232.1	232.2	232.4	232.5	232.7	232.9	233.0	233.2	233.3	233.4	233.3
130°	249.2	249.3	249.5	249.6	249.8	249.8	249.8	249.8	249.8	249.8	249.7
132.5°	265.3	265.4	265.6	265.7	265.9	266.0	266.0	266.1	266.2	266.2	266.1
135°	281.4	281.5	281.6	281.8	281.9	281.9	281.9	281.9	281.9	281.9	281.7
137.5°	296.7	297.0	297.2	297.5	297.7	297.5	297.4	297.2	297.1	297.0	296.9
140°	312.4	312.5	312.6	312.6	312.7	312.7	312.7	312.7	312.7	312.7	312.6
142.5°	327.1	327.1	327.1	327.1	327.1	327.2	327.2	327.3	327.4	327.4	327.3
145°	341.4	341.5	341.6	341.6	341.7	341.6	341.6	341.5	341.4	341.4	341.2
147.5°	354.7	354.8	354.9	355.0	355.1	355.2	355.2	355.3	355.4	355.4	355.2
150°	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.4	367.2
152.5°	379.6	379.4	379.1	378.9	378.7	378.6	378.5	378.4	378.3	378.3	378.2
155°	390.5	390.2	389.9	389.6	389.3	389.4	389.4	389.5	389.6	389.6	389.6
157.5°	400.1	399.9	399.6	399.4	399.2	399.2	399.2	399.2	399.2	399.2	399.3
160°	409.0	408.7	408.5	408.2	408.0	408.1	408.2	408.3	408.4	408.4	408.4
162.5°	417.4	416.9	416.5	416.0	415.6	415.7	415.7	415.8	415.9	415.9	416.0
165°	424.3	423.8	423.3	422.9	422.4	422.6	422.7	422.9	423.0	423.1	423.2
167.5°	430.4	429.9	429.5	429.0	428.6	428.6	428.6	428.6	428.6	428.6	428.7
170°	435.2	434.7	434.2	433.8	433.3	433.2	433.2	433.1	433.0	433.0	433.2
172.5°	438.8	438.3	437.8	437.3	436.8	436.8	436.8	436.8	436.8	436.8	436.9
175°	441.2	440.7	440.2	439.6	439.1	439.2	439.3	439.4	439.5	439.5	439.7
177.5°	442.9	442.4	441.9	441.4	440.9	440.9	440.9	440.9	440.9	440.9	441.1
180°	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9	441.9

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

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°	3.5	2.7	1.8	1.0
92.5°	11.8	10.9	9.9	8.9
95°	22.6	21.9	21.2	20.5
97.5°	34.6	34.0	33.4	32.8
100°	48.7	48.4	48.1	47.8
102.5°	63.8	63.7	63.7	63.6
105°	79.9	79.8	79.7	79.6
107.5°	96.6	96.5	96.5	96.4
110°	113.9	113.8	113.6	113.5

TEST NUMBER: P1001272

CATALOG NUMBER: SA4XXDIP-B350D365UB50-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	131.2	131.2	131.2	131.2
115°	149.0	149.0	149.0	149.0
117.5°	165.7	165.7	165.7	165.7
120°	183.4	183.1	182.8	182.5
122.5°	200.2	200.1	200.0	199.9
125°	217.0	217.0	217.0	217.0
127.5°	233.1	232.8	232.6	232.4
130°	249.5	249.2	249.0	248.8
132.5°	266.0	265.8	265.7	265.5
135°	281.2	280.8	280.3	279.9
137.5°	296.7	296.4	296.2	296.0
140°	312.5	312.3	312.2	312.0
142.5°	327.2	327.0	326.9	326.7
145°	340.9	340.6	340.3	340.0
147.5°	354.8	354.5	354.1	353.7
150°	366.9	366.6	366.3	366.0
152.5°	378.1	377.9	377.8	377.6
155°	389.6	389.6	389.6	389.6
157.5°	399.4	399.5	399.7	399.8
160°	408.5	408.6	408.6	408.7
162.5°	416.2	416.5	416.7	416.9
165°	423.4	423.7	423.9	424.1
167.5°	429.0	429.3	429.6	429.9
170°	433.6	433.9	434.3	434.7
172.5°	437.2	437.5	437.8	438.1
175°	440.1	440.4	440.8	441.2
177.5°	441.5	441.8	442.2	442.6
180°	441.9	441.9	441.9	441.9

(END OF REPORT)