

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: P1011468

Luminaire Tested: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011468
REPORT IS A COMBINATION OF REPORTS P989645 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D1025UB30-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

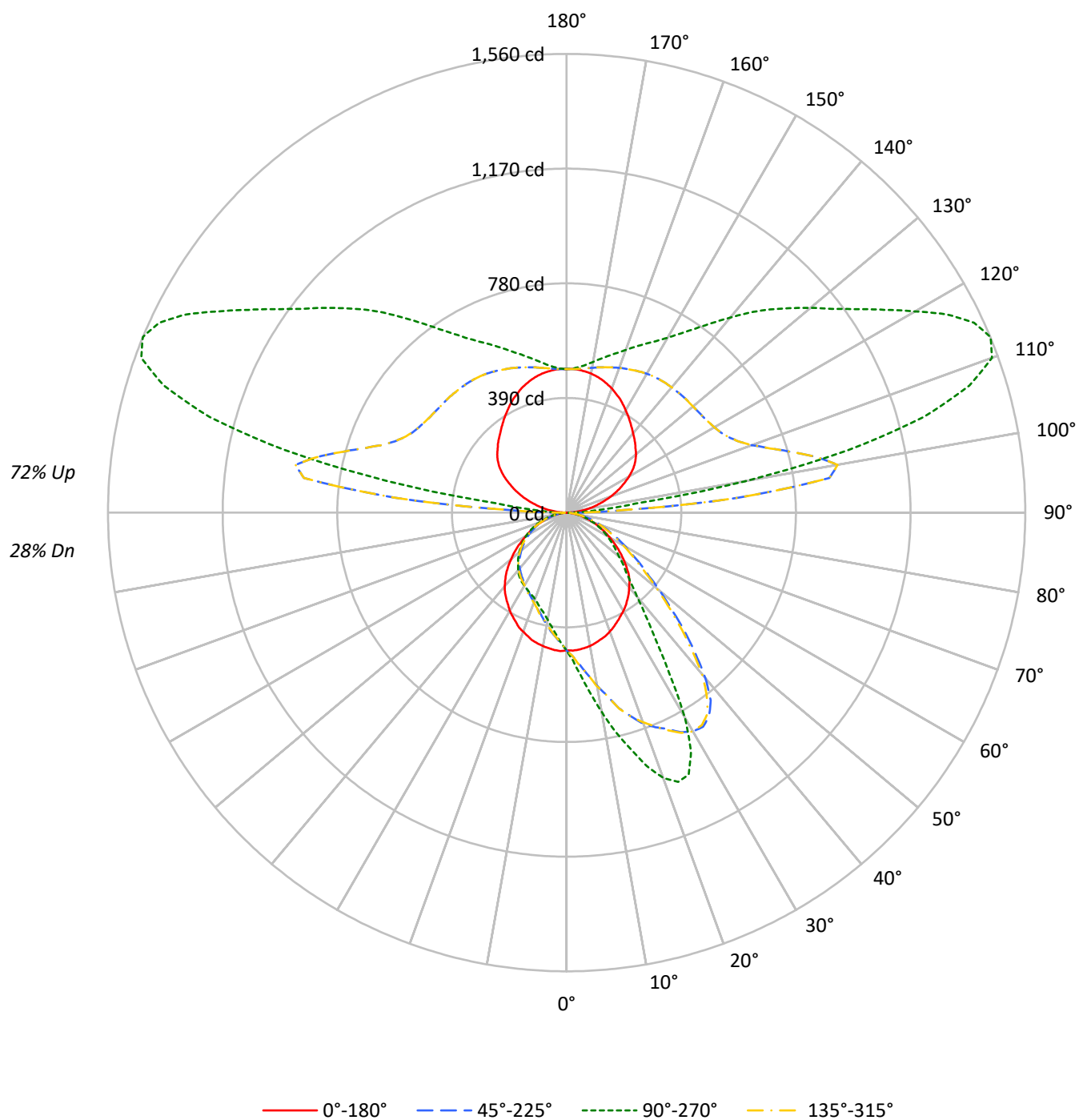
Lumens per Lamp: N/A
Luminaire Lumens: 5088.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

Luminous Intensity Polar Plot



TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	102	102	102	102	91	91	91	91	71	71	71	53	53	53	36	36	36
1	93	89	85	82	83	80	77	74	62	60	58	46	45	44	32	31	30
2	85	78	72	67	76	70	65	61	55	51	49	41	39	37	28	27	26
3	77	68	61	56	69	61	56	51	48	44	41	36	34	31	25	23	22
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	21	19
5	65	54	46	40	58	48	42	37	38	34	30	29	26	23	20	18	17
6	60	48	40	35	53	43	37	32	34	30	26	26	23	20	18	16	15
7	55	43	36	30	49	39	32	28	31	26	23	24	20	18	17	15	13
8	51	39	32	27	45	35	29	24	28	24	20	22	18	16	15	13	12
9	47	36	28	24	42	32	26	22	26	21	18	20	17	14	14	12	10
10	44	33	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5040	5040	5040	5040
5°	5042	5807	5058	4334
10°	5011	7026	5016	3784
15°	4941	8333	4981	3406
20°	4882	9594	4892	3135
25°	4793	9835	4804	2993
30°	4731	8126	4731	2900
35°	4652	5434	4622	2818
40°	4558	3923	4502	2692
45°	4441	3108	4311	2536
50°	4153	2639	4005	2381
55°	3839	2319	3682	2211
60°	3520	2019	3332	2031
65°	3169	1729	3017	1792
70°	2806	1435	2618	1510
75°	2400	1083	2244	1166
80°	1895	723	1748	766
85°	1306	332	1047	301

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 8127 cd/sqm

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	0.9
10°-20°	147.9	2.9
20°-30°	248.8	4.9
30°-40°	281.2	5.5
40°-50°	251.9	5.0
50°-60°	203.3	4.0
60°-70°	141.7	2.8
70°-80°	74.4	1.5
80°-90°	20.5	0.4
90°-100°	264.9	5.2
100°-110°	775.6	15.2
110°-120°	757.4	14.9
120°-130°	603.2	11.9
130°-140°	475.9	9.4
140°-150°	355.0	7.0
150°-160°	247.5	4.9
160°-170°	145.4	2.9
170°-180°	47.3	0.9
0°-30°	442.8	8.7
0°-40°	724.0	14.2
0°-60°	1179.1	23.2
0°-90°	1415.7	27.8
90°-120°	1797.9	35.3
90°-150°	3232.0	63.5
90°-180°	3672.0	72.2
0°-180°	5088.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	468	468	468	468	468	
5°	468	556	469	415	468	44
15°	446	828	450	338	446	126
25°	408	983	409	299	408	188
35°	360	529	358	274	360	225
45°	299	286	290	233	299	229
55°	212	194	203	185	212	190
65°	131	126	125	131	131	131
75°	63	65	59	70	63	68
85°	14	15	11	14	14	16
90°	2	29	2	29	2	4
95°	34	115	34	115	34	36
105°	115	1257	115	1257	115	122
115°	203	1529	203	1529	203	201
125°	282	1206	282	1206	282	250
135°	330	977	330	977	330	255
145°	376	764	376	764	376	236
155°	428	634	428	634	428	197
165°	467	552	467	552	467	132
175°	487	497	487	497	487	46
180°	488	488	488	488	488	

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	469.5	473.2	475.0	477.7	480.4	484.5	485.9	488.1	487.2	489.0	489.9
5°	467.7	474.1	479.5	486.3	492.7	497.2	501.7	509.0	514.4	515.3	519.4
7.5°	464.5	473.6	483.1	492.7	504.9	512.2	520.3	530.3	538.5	551.6	556.6
10°	460.5	473.2	486.8	499.9	516.7	528.0	538.0	554.8	571.6	585.2	597.9
12.5°	454.1	470.0	487.7	507.2	529.0	542.1	555.7	577.9	603.4	624.2	637.8
15°	446.4	466.4	489.0	509.9	533.9	558.4	573.0	597.9	634.2	653.7	688.6
17.5°	440.0	460.5	483.1	515.8	548.5	573.0	583.4	629.2	654.2	686.8	726.3
20°	430.1	455.9	485.0	517.6	559.8	574.8	596.1	642.4	673.2	715.9	764.4
22.5°	419.6	447.3	482.2	516.3	563.4	579.3	608.3	645.1	694.1	736.3	789.8
25°	408.3	438.2	473.6	514.0	560.3	583.4	610.6	656.0	709.1	762.1	811.6
27.5°	396.9	429.6	466.4	506.7	551.6	578.9	606.1	653.3	721.3	778.9	842.0
30°	386.1	418.7	455.5	496.7	543.9	570.2	596.1	655.1	730.8	795.7	859.2
32.5°	374.3	407.8	446.4	480.9	528.5	556.6	585.7	655.1	736.7	805.7	863.7
35°	360.2	394.7	427.8	462.3	509.4	540.7	573.4	650.5	742.2	808.9	844.7
37.5°	346.6	377.0	405.6	439.1	488.6	522.2	559.8	645.1	739.4	795.2	805.2
40°	331.2	361.6	384.7	416.0	468.2	507.2	545.3	637.8	727.7	763.0	734.0
42.5°	316.2	340.2	360.2	390.6	447.3	485.4	526.7	624.7	704.5	711.8	646.5
45°	299.0	316.2	333.9	368.4	424.6	463.6	509.4	605.6	667.3	646.5	563.9
47.5°	276.7	292.2	311.7	343.4	400.6	440.9	484.5	581.1	613.3	569.8	479.5
50°	255.4	268.6	286.7	317.6	375.2	414.6	460.9	542.6	558.4	489.9	413.3
52.5°	234.1	244.1	261.8	292.6	350.2	388.3	430.5	503.1	494.0	420.5	352.5
55°	211.9	220.5	237.3	267.7	321.2	357.5	397.9	454.6	431.0	361.1	306.7
57.5°	190.1	199.2	216.4	241.8	292.2	327.5	359.7	404.2	368.8	313.0	264.9
60°	170.6	178.3	191.4	216.4	262.2	290.8	320.3	350.7	321.2	267.2	230.5
62.5°	150.2	157.4	169.7	192.3	231.8	257.2	280.8	305.8	273.1	233.6	201.0
65°	131.1	137.0	148.3	169.2	201.4	222.3	241.3	258.6	232.3	196.0	171.5
67.5°	113.9	118.9	128.4	147.0	174.2	189.2	204.6	219.1	196.9	167.9	147.0
70°	95.3	99.3	108.0	121.6	143.4	158.8	170.1	181.0	161.0	137.9	123.8
72.5°	78.9	83.0	88.5	102.5	117.5	127.0	139.3	145.2	133.8	114.8	100.7
75°	63.1	66.2	71.2	80.3	94.4	100.7	108.4	113.0	102.5	89.8	81.2
77.5°	49.4	50.8	54.4	60.8	70.3	77.6	83.5	86.2	78.9	70.8	63.5
80°	34.9	36.7	39.5	44.9	52.2	54.4	58.1	61.2	56.7	49.4	44.9
82.5°	23.1	25.4	26.8	29.0	33.6	36.3	37.2	39.9	35.8	33.1	31.3
85°	13.6	14.5	15.0	16.3	18.6	20.0	21.3	21.8	20.9	20.4	18.6
87.5°	6.8	6.8	6.8	7.7	8.2	9.1	9.5	9.5	9.5	9.1	8.6
90°	2.0	4.0	5.9	8.9	10.9	11.9	12.8	15.8	18.8	21.7	24.7
92.5°	14.8	21.7	31.6	40.5	50.4	59.3	68.2	99.8	152.2	203.6	183.8
95°	33.6	36.6	47.4	64.2	89.9	109.2	128.5	212.5	359.7	521.8	586.0
97.5°	53.4	54.4	63.2	78.1	103.8	125.0	146.3	229.3	400.2	673.0	901.3
100°	73.1	74.1	81.0	94.9	118.6	137.8	157.1	226.3	372.6	632.5	935.9
102.5°	93.9	95.9	101.8	114.6	135.4	152.7	170.0	230.3	348.9	573.2	871.6
105°	114.6	117.6	123.5	135.4	154.2	169.5	184.8	238.2	340.0	526.7	794.6
107.5°	136.4	139.3	145.3	157.1	174.9	189.2	203.6	251.0	338.0	493.1	726.4
110°	160.1	163.1	168.0	178.9	195.7	209.5	223.3	267.8	342.9	475.4	670.0

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	181.8	184.8	189.7	200.6	217.4	230.8	244.1	284.6	352.8	465.5	632.5
115°	202.6	206.5	212.5	222.4	239.2	252.5	265.8	303.4	363.7	464.5	607.8
117.5°	223.3	228.3	233.2	242.1	260.9	273.2	285.6	323.2	377.5	465.5	591.0
120°	245.1	248.1	253.0	262.9	281.7	294.0	306.4	341.9	393.3	469.4	580.1
122.5°	263.9	266.8	271.8	282.6	300.4	313.8	327.1	361.7	408.2	476.3	573.2
125°	281.7	283.6	289.6	300.4	319.2	332.5	345.9	380.5	424.0	483.3	567.3
127.5°	295.5	298.5	305.4	316.2	337.0	350.4	363.7	397.3	436.8	491.2	564.3
130°	308.3	311.3	320.2	332.1	352.8	366.2	379.5	412.1	449.7	499.1	561.3
132.5°	318.2	322.2	332.1	346.9	367.6	380.5	393.3	425.0	461.5	505.0	560.3
135°	330.1	334.0	344.9	359.7	380.5	393.8	407.2	437.8	471.4	510.9	559.4
137.5°	341.0	344.9	355.8	371.6	392.3	404.6	417.0	446.7	479.3	514.9	557.4
140°	351.8	356.8	366.6	382.5	402.2	414.6	426.9	455.6	485.2	518.8	556.4
142.5°	363.7	367.6	378.5	392.3	412.1	423.4	434.8	462.5	491.2	521.8	554.4
145°	376.5	379.5	388.4	403.2	420.0	431.4	442.7	468.4	495.1	522.8	552.4
147.5°	389.4	391.4	400.2	413.1	429.9	439.8	449.7	473.4	498.1	522.8	549.5
150°	402.2	403.2	411.1	424.0	437.8	446.7	455.6	478.3	499.1	522.8	545.5
152.5°	415.1	415.1	423.0	433.8	445.7	454.1	462.5	481.3	501.0	519.8	540.6
155°	427.9	427.9	433.8	443.7	454.6	461.5	468.4	485.2	501.0	517.8	534.6
157.5°	437.8	438.8	443.7	452.6	462.5	468.0	473.4	487.2	502.0	514.9	529.7
160°	449.7	449.7	453.6	461.5	468.4	473.4	478.3	490.2	502.0	512.9	523.8
162.5°	458.6	458.6	461.5	467.4	473.4	477.4	481.3	491.2	501.0	509.0	517.8
165°	467.4	466.5	468.4	473.4	477.3	480.8	484.2	492.2	499.1	505.0	511.9
167.5°	474.4	473.4	474.4	478.3	481.3	483.8	486.2	492.2	498.1	501.0	506.0
170°	480.3	478.3	479.3	482.3	484.2	485.2	486.2	491.2	495.1	497.1	500.1
172.5°	484.2	483.3	483.3	485.2	486.2	486.7	487.2	491.2	494.1	494.1	495.1
175°	487.2	486.2	485.2	487.2	487.2	487.7	488.2	490.2	492.2	491.2	491.2
177.5°	489.2	488.2	487.2	488.2	488.2	488.2	488.2	489.2	491.2	489.2	488.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	493.1	494.0	497.2	499.5	504.0	503.6	503.6	503.1	501.7	504.0	505.4
5°	527.6	535.3	536.2	546.2	546.6	550.7	553.5	551.2	556.6	556.2	552.1
7.5°	570.2	580.7	585.7	595.2	606.1	603.4	613.8	615.6	614.7	619.2	622.4
10°	617.0	635.1	647.8	665.5	670.0	672.8	679.6	685.5	697.3	688.2	694.1
12.5°	670.5	683.6	700.4	728.6	742.6	751.7	754.9	759.0	767.1	762.1	762.6
15°	715.4	733.1	761.7	796.6	800.7	812.0	809.3	833.8	845.6	827.9	837.9
17.5°	762.1	785.7	819.7	850.1	867.4	875.1	882.3	905.9	905.0	902.3	904.6
20°	792.1	830.6	872.8	913.2	918.2	924.1	943.6	953.6	951.8	959.5	964.5
22.5°	834.3	875.1	920.0	946.8	958.1	964.9	980.3	986.7	989.4	991.2	988.0
25°	869.6	913.2	946.3	969.9	976.7	980.3	985.3	987.1	985.8	982.6	985.3
27.5°	893.7	928.6	951.3	962.2	958.6	952.7	943.1	936.8	922.7	915.9	924.1
30°	903.7	919.1	925.9	907.8	889.6	875.1	856.9	823.4	797.1	804.8	794.3
32.5°	887.8	877.8	845.1	798.4	784.4	760.8	709.5	670.0	671.4	650.5	659.2
35°	841.1	795.7	734.0	663.2	644.6	631.9	575.7	567.1	548.9	529.4	534.9
37.5°	758.5	692.3	617.4	565.2	537.6	509.9	478.1	459.1	448.2	440.0	446.4
40°	657.8	577.0	515.3	468.6	445.0	427.3	405.6	386.5	374.3	372.9	375.2
42.5°	558.9	490.8	434.1	389.7	382.0	361.1	347.0	332.1	328.4	322.5	325.7
45°	473.2	417.8	371.1	334.8	325.7	320.3	303.0	293.5	289.4	285.8	291.2
47.5°	411.0	352.9	318.9	297.1	288.1	279.0	269.5	263.1	259.9	260.4	259.9
50°	351.1	308.5	278.5	261.8	256.3	250.0	242.2	238.2	236.8	232.7	235.9
52.5°	302.1	271.3	250.4	234.5	230.5	225.9	219.6	217.3	214.1	213.2	213.2
55°	262.7	238.6	221.8	211.4	206.4	202.8	199.2	196.4	194.2	194.2	194.2
57.5°	231.8	210.9	198.7	189.6	187.8	184.2	180.1	180.1	176.9	176.5	177.8
60°	205.5	186.9	177.4	169.7	166.9	166.0	162.0	162.0	161.0	158.8	160.6
62.5°	178.7	165.1	157.0	151.1	148.3	148.3	145.2	142.9	142.9	143.4	142.4
65°	154.2	144.3	137.0	132.5	131.1	129.3	128.8	127.0	125.7	126.1	125.7
67.5°	132.5	124.8	119.8	116.1	113.9	113.0	111.6	111.6	110.7	111.1	108.9
70°	113.0	105.2	101.2	97.5	96.6	96.6	94.8	95.3	94.4	95.7	94.8
72.5°	93.0	87.1	83.9	82.6	81.7	81.2	80.3	79.4	78.9	79.8	79.4
75°	75.3	70.3	68.0	67.1	66.2	66.2	65.8	65.3	64.9	64.9	64.9
77.5°	58.5	55.3	52.6	53.5	52.2	52.6	51.3	51.3	51.7	51.3	51.3
80°	43.1	40.8	40.8	39.9	38.1	39.0	39.0	37.7	37.2	38.1	36.7
82.5°	28.6	28.1	27.2	26.8	25.9	26.3	25.9	25.4	25.0	25.9	25.0
85°	16.8	16.8	16.3	15.4	16.3	15.9	15.4	15.4	15.0	15.0	15.0
87.5°	8.6	7.7	7.7	7.3	7.7	6.8	7.3	6.8	6.4	6.8	6.4
90°	23.7	24.7	25.7	26.7	27.7	28.7	27.7	28.7	29.6	28.7	29.6
92.5°	137.4	97.8	76.1	66.2	62.8	59.3	57.3	53.4	54.4	52.4	54.4
95°	475.4	355.8	241.1	188.8	171.0	153.2	134.4	125.5	118.6	114.6	118.6
97.5°	931.9	817.3	616.7	486.2	429.9	373.6	307.3	269.8	246.1	235.2	246.1
100°	1130.6	1165.2	1085.1	969.5	899.4	829.2	729.3	657.2	618.7	619.6	618.7
102.5°	1140.5	1280.8	1297.6	1242.2	1204.2	1166.1	1094.0	1040.6	1010.0	981.3	1010.0
105°	1078.2	1284.7	1383.6	1402.3	1389.4	1376.6	1331.2	1293.6	1262.0	1257.1	1262.0
107.5°	989.2	1225.4	1380.6	1457.7	1471.1	1484.4	1478.4	1460.6	1447.8	1436.9	1447.8
110°	906.2	1132.5	1314.4	1438.9	1473.5	1508.1	1535.8	1543.7	1541.7	1539.7	1541.7

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	834.1	1040.6	1227.4	1370.7	1417.6	1464.6	1520.9	1549.6	1559.5	1560.5	1559.5
115°	778.7	961.6	1133.5	1278.8	1332.6	1386.5	1460.6	1504.1	1523.9	1528.8	1523.9
117.5°	742.2	900.3	1052.5	1185.9	1241.8	1297.6	1374.7	1423.1	1452.7	1459.7	1452.7
120°	714.5	853.9	987.3	1105.9	1155.8	1205.7	1283.8	1339.1	1362.8	1368.7	1362.8
122.5°	691.8	817.3	934.9	1042.6	1088.0	1133.5	1200.7	1249.2	1275.8	1283.8	1275.8
125°	673.0	785.7	893.4	988.3	1027.8	1067.3	1130.6	1174.1	1198.8	1205.7	1198.8
127.5°	655.2	757.0	854.8	941.8	978.4	1014.9	1072.3	1109.8	1132.5	1138.5	1132.5
130°	641.4	730.3	819.3	899.3	932.9	966.5	1018.9	1054.5	1075.2	1083.1	1075.2
132.5°	628.5	705.6	785.7	858.8	890.4	922.0	970.5	1006.0	1023.8	1028.8	1023.8
135°	617.7	683.9	754.0	818.3	846.4	874.6	923.0	952.7	970.5	977.4	970.5
137.5°	607.8	663.1	722.4	779.7	804.9	830.1	871.6	902.3	917.1	923.0	917.1
140°	598.9	645.3	695.7	743.2	764.4	785.7	823.2	850.9	866.7	865.7	866.7
142.5°	591.0	628.5	670.0	709.6	727.4	745.1	775.8	799.5	813.3	812.4	813.3
145°	584.1	615.7	648.3	679.9	694.2	708.6	733.3	754.0	761.9	763.9	761.9
147.5°	577.1	604.8	631.5	658.2	668.6	678.9	698.7	713.5	721.4	722.4	721.4
150°	570.2	593.0	615.7	636.4	645.8	655.2	670.0	680.9	686.8	686.8	686.8
152.5°	562.3	582.1	600.9	618.7	626.1	633.5	644.3	654.2	657.2	657.2	657.2
155°	554.4	571.2	587.0	601.9	607.8	613.7	622.6	630.5	632.5	633.5	632.5
157.5°	545.5	559.4	573.2	585.1	590.0	594.9	602.8	608.8	610.7	610.7	610.7
160°	536.6	549.5	560.3	570.2	573.7	577.1	584.1	590.0	590.0	589.0	590.0
162.5°	527.7	537.6	546.5	555.4	558.3	561.3	565.3	570.2	570.2	569.2	570.2
165°	519.8	527.7	533.7	540.6	543.0	545.5	549.5	553.4	552.4	552.4	552.4
167.5°	511.9	518.8	523.8	527.7	529.7	531.7	533.7	536.6	535.6	535.6	535.6
170°	505.0	509.9	512.9	516.9	517.8	518.8	519.8	521.8	520.8	520.8	520.8
172.5°	498.1	502.0	504.0	507.0	507.5	508.0	508.0	509.9	508.0	507.0	508.0
175°	493.1	495.1	496.1	498.1	498.1	498.1	498.1	499.1	498.1	497.1	498.1
177.5°	489.2	490.2	491.2	492.2	492.2	492.2	491.2	492.2	490.2	490.2	490.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	501.7	503.1	499.5	498.6	498.6	500.4	499.0	486.8	489.0	486.3	485.4
5°	557.1	554.4	550.7	548.9	546.6	540.3	539.8	525.8	523.1	514.0	509.9
7.5°	617.9	615.6	604.7	603.4	602.4	596.5	581.6	566.6	555.7	545.3	535.3
10°	687.3	680.5	675.5	665.5	660.5	652.3	632.8	618.8	600.2	584.3	563.4
12.5°	770.7	763.0	746.3	739.0	732.6	710.0	690.5	674.6	638.3	627.4	601.5
15°	832.0	815.7	813.8	798.0	797.1	772.1	734.9	717.7	689.5	649.6	622.9
17.5°	898.2	883.7	872.4	853.3	850.6	827.0	799.8	757.6	726.7	688.6	654.6
20°	946.8	939.1	919.5	911.8	896.0	876.0	847.9	795.7	758.0	719.9	678.2
22.5°	985.3	977.6	962.2	951.8	942.7	916.8	883.3	838.8	787.1	737.2	694.1
25°	984.9	982.6	976.3	971.3	964.5	945.4	917.3	874.6	817.0	762.1	702.2
27.5°	929.1	935.4	946.3	951.8	950.4	947.7	931.8	896.0	844.2	778.9	711.8
30°	812.9	836.1	856.5	883.7	891.9	911.8	920.9	900.5	859.2	798.4	724.0
32.5°	674.1	707.7	752.2	767.1	793.0	831.5	874.6	882.3	856.5	809.8	731.7
35°	553.0	580.7	615.1	638.7	661.9	724.5	778.9	826.1	834.7	803.9	729.9
37.5°	457.7	477.2	507.6	527.6	548.9	602.4	678.7	739.9	783.0	783.9	724.9
40°	388.8	397.4	423.7	438.2	458.6	504.9	573.0	652.8	715.9	744.9	711.8
42.5°	329.3	340.7	362.5	373.4	386.5	426.9	471.8	547.6	625.6	687.7	687.3
45°	294.0	302.1	312.1	321.2	336.2	360.2	411.5	468.2	543.0	613.3	641.0
47.5°	262.7	270.4	280.4	283.1	293.1	315.7	347.0	396.5	466.4	536.2	588.4
50°	236.4	242.7	249.5	254.5	259.0	277.6	301.2	343.0	398.8	466.4	531.2
52.5°	215.9	220.5	226.4	229.1	233.2	246.8	264.9	295.8	341.6	403.3	466.4
55°	196.9	200.1	203.7	208.2	210.0	220.0	234.1	260.4	294.4	349.8	409.6
57.5°	179.2	180.6	182.8	185.5	187.8	196.4	208.7	226.4	256.3	299.0	355.7
60°	159.2	162.9	164.2	166.9	168.3	175.1	184.6	199.6	222.7	259.5	302.1
62.5°	142.4	144.7	147.0	148.3	151.5	153.8	161.5	175.1	194.2	221.4	259.9
65°	127.5	128.4	129.7	131.1	132.0	134.7	142.0	151.1	165.6	189.6	219.6
67.5°	110.2	111.1	113.0	113.4	114.3	117.9	122.0	129.7	142.0	160.1	184.6
70°	93.5	94.8	95.7	96.6	98.0	99.3	103.9	110.2	119.8	132.5	151.5
72.5°	78.9	80.3	80.3	81.2	80.7	82.6	87.1	91.6	98.0	108.4	125.2
75°	64.4	64.4	65.3	65.8	66.2	68.0	69.9	73.5	78.5	86.6	97.1
77.5°	50.8	50.4	51.3	51.3	51.3	52.6	54.4	56.3	59.4	65.3	73.5
80°	37.2	37.2	38.1	38.6	37.7	38.1	39.0	40.8	43.1	47.2	51.7
82.5°	24.5	26.3	25.9	26.3	25.9	26.8	27.2	27.7	28.6	30.4	33.6
85°	15.0	15.0	15.0	15.4	15.0	15.4	15.4	15.4	15.9	16.8	18.1
87.5°	6.4	6.4	6.4	6.8	6.4	6.4	6.8	6.4	6.8	6.8	7.3
90°	28.7	27.7	28.7	27.7	26.7	25.7	24.7	23.7	24.7	21.7	18.8
92.5°	53.4	57.3	59.3	62.8	66.2	76.1	97.8	137.4	183.8	203.6	152.2
95°	125.5	134.4	153.2	171.0	188.8	241.1	355.8	475.4	586.0	521.8	359.7
97.5°	269.8	307.3	373.6	429.9	486.2	616.7	817.3	931.9	901.3	673.0	400.2
100°	657.2	729.3	829.2	899.4	969.5	1085.1	1165.2	1130.6	935.9	632.5	372.6
102.5°	1040.6	1094.0	1166.1	1204.2	1242.2	1297.6	1280.8	1140.5	871.6	573.2	348.9
105°	1293.6	1331.2	1376.6	1389.4	1402.3	1383.6	1284.7	1078.2	794.6	526.7	340.0
107.5°	1460.6	1478.4	1484.4	1471.1	1457.7	1380.6	1225.4	989.2	726.4	493.1	338.0
110°	1543.7	1535.8	1508.1	1473.5	1438.9	1314.4	1132.5	906.2	670.0	475.4	342.9



TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1549.6	1520.9	1464.6	1417.6	1370.7	1227.4	1040.6	834.1	632.5	465.5	352.8
115°	1504.1	1460.6	1386.5	1332.6	1278.8	1133.5	961.6	778.7	607.8	464.5	363.7
117.5°	1423.1	1374.7	1297.6	1241.8	1185.9	1052.5	900.3	742.2	591.0	465.5	377.5
120°	1339.1	1283.8	1205.7	1155.8	1105.9	987.3	853.9	714.5	580.1	469.4	393.3
122.5°	1249.2	1200.7	1133.5	1088.0	1042.6	934.9	817.3	691.8	573.2	476.3	408.2
125°	1174.1	1130.6	1067.3	1027.8	988.3	893.4	785.7	673.0	567.3	483.3	424.0
127.5°	1109.8	1072.3	1014.9	978.4	941.8	854.8	757.0	655.2	564.3	491.2	436.8
130°	1054.5	1018.9	966.5	932.9	899.3	819.3	730.3	641.4	561.3	499.1	449.7
132.5°	1006.0	970.5	922.0	890.4	858.8	785.7	705.6	628.5	560.3	505.0	461.5
135°	952.7	923.0	874.6	846.4	818.3	754.0	683.9	617.7	559.4	510.9	471.4
137.5°	902.3	871.6	830.1	804.9	779.7	722.4	663.1	607.8	557.4	514.9	479.3
140°	850.9	823.2	785.7	764.4	743.2	695.7	645.3	598.9	556.4	518.8	485.2
142.5°	799.5	775.8	745.1	727.4	709.6	670.0	628.5	591.0	554.4	521.8	491.2
145°	754.0	733.3	708.6	694.2	679.9	648.3	615.7	584.1	552.4	522.8	495.1
147.5°	713.5	698.7	678.9	668.6	658.2	631.5	604.8	577.1	549.5	522.8	498.1
150°	680.9	670.0	655.2	645.8	636.4	615.7	593.0	570.2	545.5	522.8	499.1
152.5°	654.2	644.3	633.5	626.1	618.7	600.9	582.1	562.3	540.6	519.8	501.0
155°	630.5	622.6	613.7	607.8	601.9	587.0	571.2	554.4	534.6	517.8	501.0
157.5°	608.8	602.8	594.9	590.0	585.1	573.2	559.4	545.5	529.7	514.9	502.0
160°	590.0	584.1	577.1	573.7	570.2	560.3	549.5	536.6	523.8	512.9	502.0
162.5°	570.2	565.3	561.3	558.3	555.4	546.5	537.6	527.7	517.8	509.0	501.0
165°	553.4	549.5	545.5	543.0	540.6	533.7	527.7	519.8	511.9	505.0	499.1
167.5°	536.6	533.7	531.7	529.7	527.7	523.8	518.8	511.9	506.0	501.0	498.1
170°	521.8	519.8	518.8	517.8	516.9	512.9	509.9	505.0	500.1	497.1	495.1
172.5°	509.9	508.0	508.0	507.5	507.0	504.0	502.0	498.1	495.1	494.1	494.1
175°	499.1	498.1	498.1	498.1	498.1	496.1	495.1	493.1	491.2	491.2	492.2
177.5°	492.2	491.2	492.2	492.2	492.2	491.2	490.2	489.2	488.2	489.2	491.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	480.9	479.5	479.5	478.6	475.9	470.9	470.4	471.3	468.6	465.9	461.8
5°	504.5	495.8	493.1	490.4	485.0	475.9	472.2	469.1	464.1	458.2	451.8
7.5°	524.4	512.2	508.5	503.6	492.7	480.0	471.8	465.0	458.2	450.0	442.3
10°	549.4	531.7	523.1	515.8	500.8	483.1	470.9	460.9	450.0	440.0	430.1
12.5°	577.5	548.9	546.2	528.5	511.3	485.0	470.0	455.5	440.9	428.7	418.3
15°	601.1	569.8	558.4	546.6	513.5	480.9	466.4	450.0	433.2	420.1	404.7
17.5°	616.1	590.2	566.2	550.3	515.8	486.8	458.6	440.0	422.3	404.2	391.5
20°	634.2	596.5	575.7	554.4	520.3	482.2	454.1	431.0	409.2	392.9	377.4
22.5°	652.3	601.5	584.3	561.2	521.2	477.7	445.9	422.8	397.9	381.5	364.7
25°	650.5	608.8	580.2	560.7	512.2	473.6	436.4	409.2	386.1	365.2	348.4
27.5°	651.9	600.6	571.6	548.9	505.8	467.7	426.4	397.9	373.8	352.0	334.3
30°	652.3	588.4	563.0	535.8	494.0	453.6	415.1	386.1	360.7	337.1	321.2
32.5°	651.0	578.4	546.6	522.2	475.4	440.0	401.9	371.1	345.2	323.5	308.5
35°	647.8	566.6	529.9	499.0	456.4	420.5	389.7	357.9	330.3	310.3	293.1
37.5°	639.2	553.9	512.2	481.8	434.1	397.9	370.6	344.3	317.6	294.0	279.4
40°	632.8	536.7	494.5	461.4	410.1	374.7	352.0	327.1	300.8	279.4	265.4
42.5°	618.3	520.3	476.3	436.9	386.5	350.2	328.9	308.9	286.3	265.4	252.7
45°	594.7	502.6	454.1	414.2	360.7	326.2	306.7	290.3	270.4	250.4	237.7
47.5°	561.6	477.2	430.5	390.6	335.2	300.3	280.8	268.6	252.7	235.9	225.0
50°	525.8	449.6	406.5	367.0	310.7	276.7	257.7	246.3	235.9	220.5	210.0
52.5°	479.1	420.1	378.8	341.1	284.4	251.8	235.0	226.8	215.9	205.0	196.0
55°	433.7	382.0	347.9	312.1	258.6	228.2	211.9	203.2	196.9	187.8	180.6
57.5°	381.1	346.6	315.3	282.6	234.5	206.9	191.4	181.0	176.9	172.8	166.0
60°	332.5	306.2	280.8	253.6	209.6	184.6	169.7	161.5	157.4	154.7	150.2
62.5°	288.1	267.7	245.9	224.1	184.2	161.5	150.2	142.0	138.4	137.9	133.8
65°	245.4	230.9	213.2	191.9	160.6	140.6	129.7	124.8	120.7	120.7	117.5
67.5°	202.8	192.8	178.7	163.8	139.3	120.7	110.7	106.2	103.9	103.9	101.6
70°	168.8	162.0	149.3	136.1	114.8	100.7	93.0	88.9	87.6	88.0	86.2
72.5°	137.0	129.7	119.3	109.8	93.9	83.5	78.0	73.5	71.2	71.7	71.2
75°	106.2	102.5	93.5	86.2	73.5	66.2	61.2	59.0	57.2	57.6	56.7
77.5°	79.8	74.4	69.4	64.4	56.7	50.8	46.7	44.5	43.1	43.1	43.1
80°	54.4	53.5	49.4	46.7	40.4	35.8	32.7	32.2	30.8	30.8	30.8
82.5°	35.4	33.1	30.8	29.0	25.4	22.7	21.3	20.4	20.0	19.5	20.4
85°	19.5	18.1	17.2	15.4	14.1	12.7	11.3	10.9	10.4	10.9	10.4
87.5°	7.7	6.4	6.4	5.9	5.4	5.0	5.0	4.1	4.1	3.6	3.6
90°	15.8	12.8	11.9	10.9	8.9	5.9	4.0	2.0	4.0	5.9	8.9
92.5°	99.8	68.2	59.3	50.4	40.5	31.6	21.7	14.8	21.7	31.6	40.5
95°	212.5	128.5	109.2	89.9	64.2	47.4	36.6	33.6	36.6	47.4	64.2
97.5°	229.3	146.3	125.0	103.8	78.1	63.2	54.4	53.4	54.4	63.2	78.1
100°	226.3	157.1	137.8	118.6	94.9	81.0	74.1	73.1	74.1	81.0	94.9
102.5°	230.3	170.0	152.7	135.4	114.6	101.8	95.9	93.9	95.9	101.8	114.6
105°	238.2	184.8	169.5	154.2	135.4	123.5	117.6	114.6	117.6	123.5	135.4
107.5°	251.0	203.6	189.2	174.9	157.1	145.3	139.3	136.4	139.3	145.3	157.1
110°	267.8	223.3	209.5	195.7	178.9	168.0	163.1	160.1	163.1	168.0	178.9

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	284.6	244.1	230.8	217.4	200.6	189.7	184.8	181.8	184.8	189.7	200.6
115°	303.4	265.8	252.5	239.2	222.4	212.5	206.5	202.6	206.5	212.5	222.4
117.5°	323.2	285.6	273.2	260.9	242.1	233.2	228.3	223.3	228.3	233.2	242.1
120°	341.9	306.4	294.0	281.7	262.9	253.0	248.1	245.1	248.1	253.0	262.9
122.5°	361.7	327.1	313.8	300.4	282.6	271.8	266.8	263.9	266.8	271.8	282.6
125°	380.5	345.9	332.5	319.2	300.4	289.6	283.6	281.7	283.6	289.6	300.4
127.5°	397.3	363.7	350.4	337.0	316.2	305.4	298.5	295.5	298.5	305.4	316.2
130°	412.1	379.5	366.2	352.8	332.1	320.2	311.3	308.3	311.3	320.2	332.1
132.5°	425.0	393.3	380.5	367.6	346.9	332.1	322.2	318.2	322.2	332.1	346.9
135°	437.8	407.2	393.8	380.5	359.7	344.9	334.0	330.1	334.0	344.9	359.7
137.5°	446.7	417.0	404.6	392.3	371.6	355.8	344.9	341.0	344.9	355.8	371.6
140°	455.6	426.9	414.6	402.2	382.5	366.6	356.8	351.8	356.8	366.6	382.5
142.5°	462.5	434.8	423.4	412.1	392.3	378.5	367.6	363.7	367.6	378.5	392.3
145°	468.4	442.7	431.4	420.0	403.2	388.4	379.5	376.5	379.5	388.4	403.2
147.5°	473.4	449.7	439.8	429.9	413.1	400.2	391.4	389.4	391.4	400.2	413.1
150°	478.3	455.6	446.7	437.8	424.0	411.1	403.2	402.2	403.2	411.1	424.0
152.5°	481.3	462.5	454.1	445.7	433.8	423.0	415.1	415.1	415.1	423.0	433.8
155°	485.2	468.4	461.5	454.6	443.7	433.8	427.9	427.9	427.9	433.8	443.7
157.5°	487.2	473.4	468.0	462.5	452.6	443.7	438.8	437.8	438.8	443.7	452.6
160°	490.2	478.3	473.4	468.4	461.5	453.6	449.7	449.7	449.7	453.6	461.5
162.5°	491.2	481.3	477.4	473.4	467.4	461.5	458.6	458.6	458.6	461.5	467.4
165°	492.2	484.2	480.8	477.3	473.4	468.4	466.5	467.4	466.5	468.4	473.4
167.5°	492.2	486.2	483.8	481.3	478.3	474.4	473.4	474.4	473.4	474.4	478.3
170°	491.2	486.2	485.2	484.2	482.3	479.3	478.3	480.3	478.3	479.3	482.3
172.5°	491.2	487.2	486.7	486.2	485.2	483.3	483.3	484.2	483.3	483.3	485.2
175°	490.2	488.2	487.7	487.2	487.2	485.2	486.2	487.2	486.2	485.2	487.2
177.5°	489.2	488.2	488.2	488.2	488.2	487.2	488.2	489.2	488.2	487.2	488.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	460.9	460.5	461.4	458.6	454.1	451.8	445.5	444.1	443.7	444.1	444.6
5°	448.2	447.8	446.4	441.9	436.4	432.3	424.6	424.2	421.4	418.7	420.1
7.5°	436.0	434.1	431.4	425.5	418.3	413.7	407.4	402.8	399.2	396.9	395.1
10°	423.7	421.0	418.3	410.6	401.5	394.7	387.0	383.3	379.3	377.4	375.6
12.5°	407.8	405.1	400.1	391.0	385.6	377.0	369.3	365.6	363.4	359.7	357.5
15°	395.1	389.7	387.0	377.4	366.1	365.2	351.1	350.2	345.7	345.7	342.1
17.5°	380.6	376.5	371.5	362.0	353.8	345.7	338.4	335.7	331.6	330.7	328.9
20°	366.5	361.1	359.3	349.8	341.1	331.2	323.5	320.7	318.9	317.1	318.5
22.5°	352.0	347.5	343.0	334.3	328.0	318.0	313.5	310.7	308.0	307.1	307.6
25°	338.0	333.9	329.3	320.7	313.9	305.8	301.7	300.3	299.0	299.0	298.5
27.5°	324.4	320.3	316.2	308.5	301.7	295.8	292.6	291.2	289.9	290.8	291.7
30°	310.3	306.7	303.0	296.2	290.8	285.3	283.5	282.6	282.2	284.4	284.4
32.5°	297.6	294.4	291.7	285.3	279.9	275.4	274.0	274.5	274.9	276.3	277.2
35°	284.4	282.2	279.4	274.0	269.5	265.4	265.8	265.8	266.7	269.0	270.8
37.5°	272.6	269.5	267.2	262.7	259.0	255.4	256.8	258.1	259.0	261.8	262.7
40°	258.6	257.2	255.4	250.9	247.7	247.2	247.7	248.6	250.4	251.8	253.1
42.5°	247.2	245.4	243.2	239.5	236.8	237.3	237.7	238.6	239.5	241.8	243.2
45°	234.5	233.2	231.4	228.2	225.9	226.4	226.8	226.8	227.7	230.5	231.4
47.5°	220.5	220.9	218.7	215.5	214.1	214.1	214.1	215.0	217.3	218.2	218.7
50°	206.9	206.0	205.5	202.3	201.4	201.0	201.4	201.9	205.0	204.6	206.0
52.5°	192.3	192.3	191.9	190.1	188.7	188.7	187.8	190.1	191.0	191.9	193.3
55°	178.3	176.9	176.5	175.6	173.7	173.3	174.2	176.9	177.8	178.7	180.1
57.5°	162.9	162.9	162.0	160.6	160.6	160.6	160.6	162.4	163.8	164.7	167.4
60°	148.8	147.0	145.6	145.6	145.6	145.2	147.9	147.9	150.6	151.1	152.0
62.5°	132.0	131.1	130.2	130.7	130.2	131.1	132.0	133.8	134.3	135.6	137.0
65°	116.1	116.1	115.2	117.9	116.1	116.1	118.4	118.4	119.3	120.7	122.5
67.5°	100.7	101.2	100.3	100.3	101.2	101.6	102.1	103.9	104.3	106.2	108.4
70°	84.8	85.7	86.2	85.3	86.2	87.1	88.0	88.5	90.3	91.2	92.5
72.5°	70.8	71.7	70.3	70.8	71.2	72.1	72.6	73.5	74.4	77.1	78.0
75°	56.7	56.3	55.8	57.6	56.7	58.5	59.0	59.0	59.9	62.1	63.1
77.5°	43.6	43.6	44.0	43.1	44.5	44.0	44.5	45.8	47.2	47.2	50.8
80°	30.4	31.3	31.3	31.3	31.8	32.2	31.3	33.6	34.0	34.0	35.4
82.5°	19.5	20.0	19.5	20.4	20.4	21.3	20.9	21.3	22.2	23.1	23.6
85°	10.4	10.4	11.3	11.3	10.9	11.3	10.9	11.3	12.2	12.2	12.7
87.5°	3.6	3.6	3.6	3.6	4.1	3.6	4.1	4.1	3.6	3.6	5.0
90°	10.9	11.9	12.8	15.8	18.8	21.7	24.7	23.7	24.7	25.7	26.7
92.5°	50.4	59.3	68.2	99.8	152.2	203.6	183.8	137.4	97.8	76.1	66.2
95°	89.9	109.2	128.5	212.5	359.7	521.8	586.0	475.4	355.8	241.1	188.8
97.5°	103.8	125.0	146.3	229.3	400.2	673.0	901.3	931.9	817.3	616.7	486.2
100°	118.6	137.8	157.1	226.3	372.6	632.5	935.9	1130.6	1165.2	1085.1	969.5
102.5°	135.4	152.7	170.0	230.3	348.9	573.2	871.6	1140.5	1280.8	1297.6	1242.2
105°	154.2	169.5	184.8	238.2	340.0	526.7	794.6	1078.2	1284.7	1383.6	1402.3
107.5°	174.9	189.2	203.6	251.0	338.0	493.1	726.4	989.2	1225.4	1380.6	1457.7
110°	195.7	209.5	223.3	267.8	342.9	475.4	670.0	906.2	1132.5	1314.4	1438.9

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	217.4	230.8	244.1	284.6	352.8	465.5	632.5	834.1	1040.6	1227.4	1370.7
115°	239.2	252.5	265.8	303.4	363.7	464.5	607.8	778.7	961.6	1133.5	1278.8
117.5°	260.9	273.2	285.6	323.2	377.5	465.5	591.0	742.2	900.3	1052.5	1185.9
120°	281.7	294.0	306.4	341.9	393.3	469.4	580.1	714.5	853.9	987.3	1105.9
122.5°	300.4	313.8	327.1	361.7	408.2	476.3	573.2	691.8	817.3	934.9	1042.6
125°	319.2	332.5	345.9	380.5	424.0	483.3	567.3	673.0	785.7	893.4	988.3
127.5°	337.0	350.4	363.7	397.3	436.8	491.2	564.3	655.2	757.0	854.8	941.8
130°	352.8	366.2	379.5	412.1	449.7	499.1	561.3	641.4	730.3	819.3	899.3
132.5°	367.6	380.5	393.3	425.0	461.5	505.0	560.3	628.5	705.6	785.7	858.8
135°	380.5	393.8	407.2	437.8	471.4	510.9	559.4	617.7	683.9	754.0	818.3
137.5°	392.3	404.6	417.0	446.7	479.3	514.9	557.4	607.8	663.1	722.4	779.7
140°	402.2	414.6	426.9	455.6	485.2	518.8	556.4	598.9	645.3	695.7	743.2
142.5°	412.1	423.4	434.8	462.5	491.2	521.8	554.4	591.0	628.5	670.0	709.6
145°	420.0	431.4	442.7	468.4	495.1	522.8	552.4	584.1	615.7	648.3	679.9
147.5°	429.9	439.8	449.7	473.4	498.1	522.8	549.5	577.1	604.8	631.5	658.2
150°	437.8	446.7	455.6	478.3	499.1	522.8	545.5	570.2	593.0	615.7	636.4
152.5°	445.7	454.1	462.5	481.3	501.0	519.8	540.6	562.3	582.1	600.9	618.7
155°	454.6	461.5	468.4	485.2	501.0	517.8	534.6	554.4	571.2	587.0	601.9
157.5°	462.5	468.0	473.4	487.2	502.0	514.9	529.7	545.5	559.4	573.2	585.1
160°	468.4	473.4	478.3	490.2	502.0	512.9	523.8	536.6	549.5	560.3	570.2
162.5°	473.4	477.4	481.3	491.2	501.0	509.0	517.8	527.7	537.6	546.5	555.4
165°	477.3	480.8	484.2	492.2	499.1	505.0	511.9	519.8	527.7	533.7	540.6
167.5°	481.3	483.8	486.2	492.2	498.1	501.0	506.0	511.9	518.8	523.8	527.7
170°	484.2	485.2	486.2	491.2	495.1	497.1	500.1	505.0	509.9	512.9	516.9
172.5°	486.2	486.7	487.2	491.2	494.1	494.1	495.1	498.1	502.0	504.0	507.0
175°	487.2	487.7	488.2	490.2	492.2	491.2	491.2	493.1	495.1	496.1	498.1
177.5°	488.2	488.2	488.2	489.2	491.2	489.2	488.2	489.2	490.2	491.2	492.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	444.1	444.6	442.8	441.4	445.0	442.8	442.8	443.2	442.3	443.7	443.2
5°	419.2	419.6	416.4	417.4	415.5	415.1	414.6	417.4	416.9	416.4	417.4
7.5°	394.7	394.7	393.3	392.4	392.4	391.0	392.9	392.4	393.3	393.3	394.7
10°	374.3	375.2	372.9	370.6	370.2	370.6	370.6	371.1	371.5	374.7	374.3
12.5°	357.5	356.1	355.7	354.3	352.0	351.1	350.2	355.2	353.8	353.8	353.8
15°	338.9	342.1	341.6	337.5	336.6	338.4	337.5	337.5	342.1	341.6	341.1
17.5°	328.9	328.0	327.1	324.8	325.3	324.8	325.3	325.3	328.0	328.0	328.0
20°	317.6	315.7	315.7	314.8	314.8	313.5	315.3	315.7	317.6	317.6	318.0
22.5°	307.6	306.2	306.2	305.8	306.7	304.9	306.7	307.1	307.1	308.5	308.5
25°	299.0	298.0	298.0	299.0	299.0	299.0	299.0	300.8	299.4	299.9	299.4
27.5°	291.2	291.7	292.2	292.6	292.2	292.6	293.1	294.0	294.4	294.0	293.1
30°	284.0	285.3	285.8	285.8	286.7	287.2	287.6	287.6	288.1	286.7	287.6
32.5°	278.5	278.5	279.4	279.9	280.8	281.3	281.3	282.2	281.7	280.4	280.8
35°	270.8	270.8	272.6	273.6	274.9	274.5	274.9	274.9	275.4	274.5	273.1
37.5°	263.1	264.0	264.0	265.8	266.3	266.7	266.3	267.2	266.7	265.8	265.4
40°	254.0	253.6	254.0	255.4	255.9	255.9	255.9	256.8	256.8	256.8	256.3
42.5°	242.7	244.1	243.6	245.0	244.5	244.5	245.4	246.3	246.8	245.4	245.9
45°	231.8	231.8	232.7	232.7	233.2	233.2	235.0	234.1	235.0	234.1	234.5
47.5°	220.0	220.5	220.5	220.9	221.8	222.7	221.8	222.3	222.3	222.7	221.8
50°	206.9	206.9	207.8	209.1	210.9	210.0	209.6	211.4	210.0	210.0	209.1
52.5°	193.3	194.6	195.1	196.4	197.8	198.2	198.7	197.8	198.2	196.9	197.3
55°	180.1	180.6	182.4	183.7	185.1	185.1	184.6	185.1	185.5	183.7	183.7
57.5°	166.9	168.3	170.1	170.1	171.9	171.9	171.5	171.5	171.9	170.6	170.1
60°	152.9	154.2	156.5	156.5	159.2	159.7	158.8	157.9	157.9	156.5	157.0
62.5°	137.9	139.3	140.6	142.9	144.7	143.8	145.6	143.8	144.3	141.5	141.5
65°	124.8	125.2	127.5	129.7	129.7	130.7	129.7	130.2	128.8	128.8	127.0
67.5°	109.3	109.3	111.6	113.9	116.1	116.1	116.1	114.8	114.8	113.4	113.4
70°	95.7	95.3	97.5	98.9	100.3	100.7	99.8	99.3	98.4	97.1	96.6
72.5°	78.9	79.8	82.1	83.0	85.3	84.8	87.1	84.4	84.4	82.1	81.7
75°	64.0	64.9	67.1	68.5	69.9	69.9	71.2	69.9	68.0	67.1	66.7
77.5°	50.8	50.4	52.2	54.4	54.9	54.4	55.3	54.9	53.1	53.1	52.2
80°	36.3	37.7	39.5	39.0	40.8	40.4	40.4	39.5	39.5	38.1	39.0
82.5°	24.0	25.4	25.9	25.4	25.9	26.8	27.2	26.8	26.8	25.9	26.3
85°	12.7	12.7	13.6	14.1	13.6	13.6	14.1	15.4	14.5	13.6	14.5
87.5°	4.1	3.6	3.6	4.1	3.6	3.6	4.1	4.1	4.5	4.5	4.5
90°	27.7	28.7	27.7	28.7	29.6	28.7	29.6	28.7	27.7	28.7	27.7
92.5°	62.8	59.3	57.3	53.4	54.4	52.4	54.4	53.4	57.3	59.3	62.8
95°	171.0	153.2	134.4	125.5	118.6	114.6	118.6	125.5	134.4	153.2	171.0
97.5°	429.9	373.6	307.3	269.8	246.1	235.2	246.1	269.8	307.3	373.6	429.9
100°	899.4	829.2	729.3	657.2	618.7	619.6	618.7	657.2	729.3	829.2	899.4
102.5°	1204.2	1166.1	1094.0	1040.6	1010.0	981.3	1010.0	1040.6	1094.0	1166.1	1204.2
105°	1389.4	1376.6	1331.2	1293.6	1262.0	1257.1	1262.0	1293.6	1331.2	1376.6	1389.4
107.5°	1471.1	1484.4	1478.4	1460.6	1447.8	1436.9	1447.8	1460.6	1478.4	1484.4	1471.1
110°	1473.5	1508.1	1535.8	1543.7	1541.7	1539.7	1541.7	1543.7	1535.8	1508.1	1473.5

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1417.6	1464.6	1520.9	1549.6	1559.5	1560.5	1559.5	1549.6	1520.9	1464.6	1417.6
115°	1332.6	1386.5	1460.6	1504.1	1523.9	1528.8	1523.9	1504.1	1460.6	1386.5	1332.6
117.5°	1241.8	1297.6	1374.7	1423.1	1452.7	1459.7	1452.7	1423.1	1374.7	1297.6	1241.8
120°	1155.8	1205.7	1283.8	1339.1	1362.8	1368.7	1362.8	1339.1	1283.8	1205.7	1155.8
122.5°	1088.0	1133.5	1200.7	1249.2	1275.8	1283.8	1275.8	1249.2	1200.7	1133.5	1088.0
125°	1027.8	1067.3	1130.6	1174.1	1198.8	1205.7	1198.8	1174.1	1130.6	1067.3	1027.8
127.5°	978.4	1014.9	1072.3	1109.8	1132.5	1138.5	1132.5	1109.8	1072.3	1014.9	978.4
130°	932.9	966.5	1018.9	1054.5	1075.2	1083.1	1075.2	1054.5	1018.9	966.5	932.9
132.5°	890.4	922.0	970.5	1006.0	1023.8	1028.8	1023.8	1006.0	970.5	922.0	890.4
135°	846.4	874.6	923.0	952.7	970.5	977.4	970.5	952.7	923.0	874.6	846.4
137.5°	804.9	830.1	871.6	902.3	917.1	923.0	917.1	902.3	871.6	830.1	804.9
140°	764.4	785.7	823.2	850.9	866.7	865.7	866.7	850.9	823.2	785.7	764.4
142.5°	727.4	745.1	775.8	799.5	813.3	812.4	813.3	799.5	775.8	745.1	727.4
145°	694.2	708.6	733.3	754.0	761.9	763.9	761.9	754.0	733.3	708.6	694.2
147.5°	668.6	678.9	698.7	713.5	721.4	722.4	721.4	713.5	698.7	678.9	668.6
150°	645.8	655.2	670.0	680.9	686.8	686.8	686.8	680.9	670.0	655.2	645.8
152.5°	626.1	633.5	644.3	654.2	657.2	657.2	657.2	654.2	644.3	633.5	626.1
155°	607.8	613.7	622.6	630.5	632.5	633.5	632.5	630.5	622.6	613.7	607.8
157.5°	590.0	594.9	602.8	608.8	610.7	610.7	610.7	608.8	602.8	594.9	590.0
160°	573.7	577.1	584.1	590.0	590.0	589.0	590.0	590.0	584.1	577.1	573.7
162.5°	558.3	561.3	565.3	570.2	570.2	569.2	570.2	570.2	565.3	561.3	558.3
165°	543.0	545.5	549.5	553.4	552.4	552.4	552.4	553.4	549.5	545.5	543.0
167.5°	529.7	531.7	533.7	536.6	535.6	535.6	535.6	536.6	533.7	531.7	529.7
170°	517.8	518.8	519.8	521.8	520.8	520.8	520.8	521.8	519.8	518.8	517.8
172.5°	507.5	508.0	508.0	509.9	508.0	507.0	508.0	509.9	508.0	508.0	507.5
175°	498.1	498.1	498.1	499.1	498.1	497.1	498.1	499.1	498.1	498.1	498.1
177.5°	492.2	492.2	491.2	492.2	490.2	490.2	490.2	492.2	491.2	492.2	492.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2	468.2
2.5°	444.6	445.5	445.9	444.1	442.8	445.0	448.2	450.5	452.3	454.6	455.9
5°	418.3	421.4	421.4	422.3	423.7	426.0	431.9	436.0	439.6	442.3	444.6
7.5°	396.0	398.3	399.7	401.9	404.2	407.4	414.2	420.1	425.5	428.7	432.3
10°	376.1	377.9	380.2	381.5	385.6	390.1	398.8	403.7	410.1	415.1	419.6
12.5°	357.0	363.4	364.7	364.3	367.9	372.9	381.5	389.2	396.0	401.0	406.0
15°	343.4	345.7	348.4	347.9	355.7	357.0	364.3	373.4	382.4	385.6	390.1
17.5°	328.4	332.1	334.8	336.2	338.4	343.4	350.2	357.0	368.8	369.3	381.1
20°	316.6	320.3	322.1	323.9	325.3	331.2	337.1	344.8	354.3	359.3	365.6
22.5°	308.9	310.7	312.1	313.5	315.3	318.5	325.7	334.3	340.7	346.1	350.2
25°	299.9	301.7	303.5	304.4	305.8	307.6	313.0	319.8	328.9	332.5	336.6
27.5°	293.5	293.5	294.4	294.4	296.2	298.0	302.1	308.5	315.7	320.3	325.7
30°	286.7	286.3	286.7	286.3	285.8	288.5	292.2	297.6	302.6	308.0	311.7
32.5°	279.9	279.4	279.4	279.9	278.1	279.4	281.3	286.3	291.7	294.4	298.5
35°	272.6	271.7	271.7	271.7	270.8	269.9	271.7	276.3	279.9	283.5	286.7
37.5°	265.4	264.0	264.0	263.1	262.2	260.8	260.8	264.5	269.5	270.8	274.9
40°	255.4	255.4	254.5	254.0	253.1	252.2	250.9	254.0	258.6	259.9	263.1
42.5°	245.4	244.1	243.6	243.6	243.6	242.2	241.3	243.6	246.3	248.6	250.4
45°	234.1	233.2	233.6	233.2	232.3	231.8	231.4	232.3	235.4	236.4	238.6
47.5°	221.8	221.4	221.4	220.9	220.5	220.9	219.1	221.4	222.3	223.2	225.0
50°	209.1	208.7	208.2	207.8	207.8	208.2	207.8	207.8	209.6	210.5	212.3
52.5°	196.4	195.1	195.1	194.6	194.6	193.7	194.6	195.1	196.0	196.9	197.8
55°	182.8	182.8	181.5	181.5	180.6	180.6	181.0	180.6	182.4	183.3	183.3
57.5°	169.7	167.9	168.3	167.4	166.5	166.0	166.0	166.9	167.9	167.9	168.8
60°	155.6	153.8	153.3	151.5	152.4	151.1	151.5	151.5	153.3	152.4	153.3
62.5°	141.5	139.3	137.9	137.0	137.0	137.5	136.5	136.1	137.0	137.9	139.7
65°	126.6	125.2	123.8	122.5	122.5	122.0	122.9	121.6	121.1	121.6	122.5
67.5°	111.1	109.8	108.4	107.1	107.5	106.2	105.2	106.6	105.7	106.2	107.1
70°	96.2	95.3	92.5	91.6	91.2	91.6	91.2	90.3	91.6	91.2	91.6
72.5°	81.2	80.3	78.9	76.7	76.7	76.2	75.8	75.8	75.3	75.3	75.3
75°	66.7	64.9	63.5	63.1	62.1	61.7	61.2	60.3	60.8	61.2	60.3
77.5°	51.7	49.4	49.0	49.0	47.6	47.6	48.1	47.6	47.2	47.2	47.2
80°	38.1	36.3	36.3	35.4	34.5	34.5	34.5	34.5	34.0	33.6	34.0
82.5°	24.5	24.0	23.6	23.6	24.5	22.7	23.6	23.1	22.7	22.7	22.2
85°	13.6	14.1	13.6	14.1	13.2	13.6	13.6	13.6	13.2	13.6	12.7
87.5°	5.0	5.0	5.0	5.4	5.4	5.4	5.4	5.4	5.9	5.4	5.4
90°	26.7	25.7	24.7	23.7	24.7	21.7	18.8	15.8	12.8	11.9	10.9
92.5°	66.2	76.1	97.8	137.4	183.8	203.6	152.2	99.8	68.2	59.3	50.4
95°	188.8	241.1	355.8	475.4	586.0	521.8	359.7	212.5	128.5	109.2	89.9
97.5°	486.2	616.7	817.3	931.9	901.3	673.0	400.2	229.3	146.3	125.0	103.8
100°	969.5	1085.1	1165.2	1130.6	935.9	632.5	372.6	226.3	157.1	137.8	118.6
102.5°	1242.2	1297.6	1280.8	1140.5	871.6	573.2	348.9	230.3	170.0	152.7	135.4
105°	1402.3	1383.6	1284.7	1078.2	794.6	526.7	340.0	238.2	184.8	169.5	154.2
107.5°	1457.7	1380.6	1225.4	989.2	726.4	493.1	338.0	251.0	203.6	189.2	174.9
110°	1438.9	1314.4	1132.5	906.2	670.0	475.4	342.9	267.8	223.3	209.5	195.7

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1370.7	1227.4	1040.6	834.1	632.5	465.5	352.8	284.6	244.1	230.8	217.4
115°	1278.8	1133.5	961.6	778.7	607.8	464.5	363.7	303.4	265.8	252.5	239.2
117.5°	1185.9	1052.5	900.3	742.2	591.0	465.5	377.5	323.2	285.6	273.2	260.9
120°	1105.9	987.3	853.9	714.5	580.1	469.4	393.3	341.9	306.4	294.0	281.7
122.5°	1042.6	934.9	817.3	691.8	573.2	476.3	408.2	361.7	327.1	313.8	300.4
125°	988.3	893.4	785.7	673.0	567.3	483.3	424.0	380.5	345.9	332.5	319.2
127.5°	941.8	854.8	757.0	655.2	564.3	491.2	436.8	397.3	363.7	350.4	337.0
130°	899.3	819.3	730.3	641.4	561.3	499.1	449.7	412.1	379.5	366.2	352.8
132.5°	858.8	785.7	705.6	628.5	560.3	505.0	461.5	425.0	393.3	380.5	367.6
135°	818.3	754.0	683.9	617.7	559.4	510.9	471.4	437.8	407.2	393.8	380.5
137.5°	779.7	722.4	663.1	607.8	557.4	514.9	479.3	446.7	417.0	404.6	392.3
140°	743.2	695.7	645.3	598.9	556.4	518.8	485.2	455.6	426.9	414.6	402.2
142.5°	709.6	670.0	628.5	591.0	554.4	521.8	491.2	462.5	434.8	423.4	412.1
145°	679.9	648.3	615.7	584.1	552.4	522.8	495.1	468.4	442.7	431.4	420.0
147.5°	658.2	631.5	604.8	577.1	549.5	522.8	498.1	473.4	449.7	439.8	429.9
150°	636.4	615.7	593.0	570.2	545.5	522.8	499.1	478.3	455.6	446.7	437.8
152.5°	618.7	600.9	582.1	562.3	540.6	519.8	501.0	481.3	462.5	454.1	445.7
155°	601.9	587.0	571.2	554.4	534.6	517.8	501.0	485.2	468.4	461.5	454.6
157.5°	585.1	573.2	559.4	545.5	529.7	514.9	502.0	487.2	473.4	468.0	462.5
160°	570.2	560.3	549.5	536.6	523.8	512.9	502.0	490.2	478.3	473.4	468.4
162.5°	555.4	546.5	537.6	527.7	517.8	509.0	501.0	491.2	481.3	477.4	473.4
165°	540.6	533.7	527.7	519.8	511.9	505.0	499.1	492.2	484.2	480.8	477.3
167.5°	527.7	523.8	518.8	511.9	506.0	501.0	498.1	492.2	486.2	483.8	481.3
170°	516.9	512.9	509.9	505.0	500.1	497.1	495.1	491.2	486.2	485.2	484.2
172.5°	507.0	504.0	502.0	498.1	495.1	494.1	494.1	491.2	487.2	486.7	486.2
175°	498.1	496.1	495.1	493.1	491.2	491.2	492.2	490.2	488.2	487.7	487.2
177.5°	492.2	491.2	490.2	489.2	488.2	489.2	491.2	489.2	488.2	488.2	488.2
180°	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2	488.2

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	468.2	468.2	468.2	468.2
2.5°	458.2	459.5	464.1	469.5
5°	449.1	452.7	459.1	467.7
7.5°	439.1	444.6	453.6	464.5
10°	427.8	435.5	446.8	460.5
12.5°	415.5	425.5	440.0	454.1
15°	407.8	417.8	431.0	446.4
17.5°	392.9	404.7	418.3	440.0
20°	377.4	390.6	408.3	430.1
22.5°	365.6	379.7	396.5	419.6
25°	351.6	366.1	384.2	408.3
27.5°	336.6	351.1	371.5	396.9
30°	325.3	339.3	358.8	386.1
32.5°	311.7	325.3	345.7	374.3
35°	296.2	311.7	331.2	360.2
37.5°	284.4	298.5	318.9	346.6
40°	271.7	284.0	303.9	331.2
42.5°	258.1	271.7	289.0	316.2
45°	245.4	255.4	273.1	299.0
47.5°	231.8	243.2	256.8	276.7
50°	217.3	226.8	241.8	255.4
52.5°	203.2	210.9	223.6	234.1
55°	188.3	196.0	205.5	211.9
57.5°	174.2	179.6	186.0	190.1
60°	157.0	162.4	166.5	170.6
62.5°	141.5	145.6	147.9	150.2
65°	125.7	127.9	129.3	131.1
67.5°	108.4	110.7	111.1	113.9
70°	92.5	93.0	93.9	95.3
72.5°	77.6	78.5	78.0	78.9
75°	62.1	63.1	62.1	63.1
77.5°	47.2	48.1	48.1	49.4
80°	34.0	34.5	34.9	34.9
82.5°	22.2	23.6	22.7	23.1
85°	12.7	13.2	13.2	13.6
87.5°	5.9	6.4	5.9	6.8
90°	8.9	5.9	4.0	2.0
92.5°	40.5	31.6	21.7	14.8
95°	64.2	47.4	36.6	33.6
97.5°	78.1	63.2	54.4	53.4
100°	94.9	81.0	74.1	73.1
102.5°	114.6	101.8	95.9	93.9
105°	135.4	123.5	117.6	114.6
107.5°	157.1	145.3	139.3	136.4
110°	178.9	168.0	163.1	160.1

TEST NUMBER: P1011468

CATALOG NUMBER: S123DIP-B340D1025UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	200.6	189.7	184.8	181.8
115°	222.4	212.5	206.5	202.6
117.5°	242.1	233.2	228.3	223.3
120°	262.9	253.0	248.1	245.1
122.5°	282.6	271.8	266.8	263.9
125°	300.4	289.6	283.6	281.7
127.5°	316.2	305.4	298.5	295.5
130°	332.1	320.2	311.3	308.3
132.5°	346.9	332.1	322.2	318.2
135°	359.7	344.9	334.0	330.1
137.5°	371.6	355.8	344.9	341.0
140°	382.5	366.6	356.8	351.8
142.5°	392.3	378.5	367.6	363.7
145°	403.2	388.4	379.5	376.5
147.5°	413.1	400.2	391.4	389.4
150°	424.0	411.1	403.2	402.2
152.5°	433.8	423.0	415.1	415.1
155°	443.7	433.8	427.9	427.9
157.5°	452.6	443.7	438.8	437.8
160°	461.5	453.6	449.7	449.7
162.5°	467.4	461.5	458.6	458.6
165°	473.4	468.4	466.5	467.4
167.5°	478.3	474.4	473.4	474.4
170°	482.3	479.3	478.3	480.3
172.5°	485.2	483.3	483.3	484.2
175°	487.2	485.2	486.2	487.2
177.5°	488.2	487.2	488.2	489.2
180°	488.2	488.2	488.2	488.2

(END OF REPORT)