

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: P1011495

Luminaire Tested: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011495
REPORT IS A COMBINATION OF REPORTS P989672 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D1025UB50-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

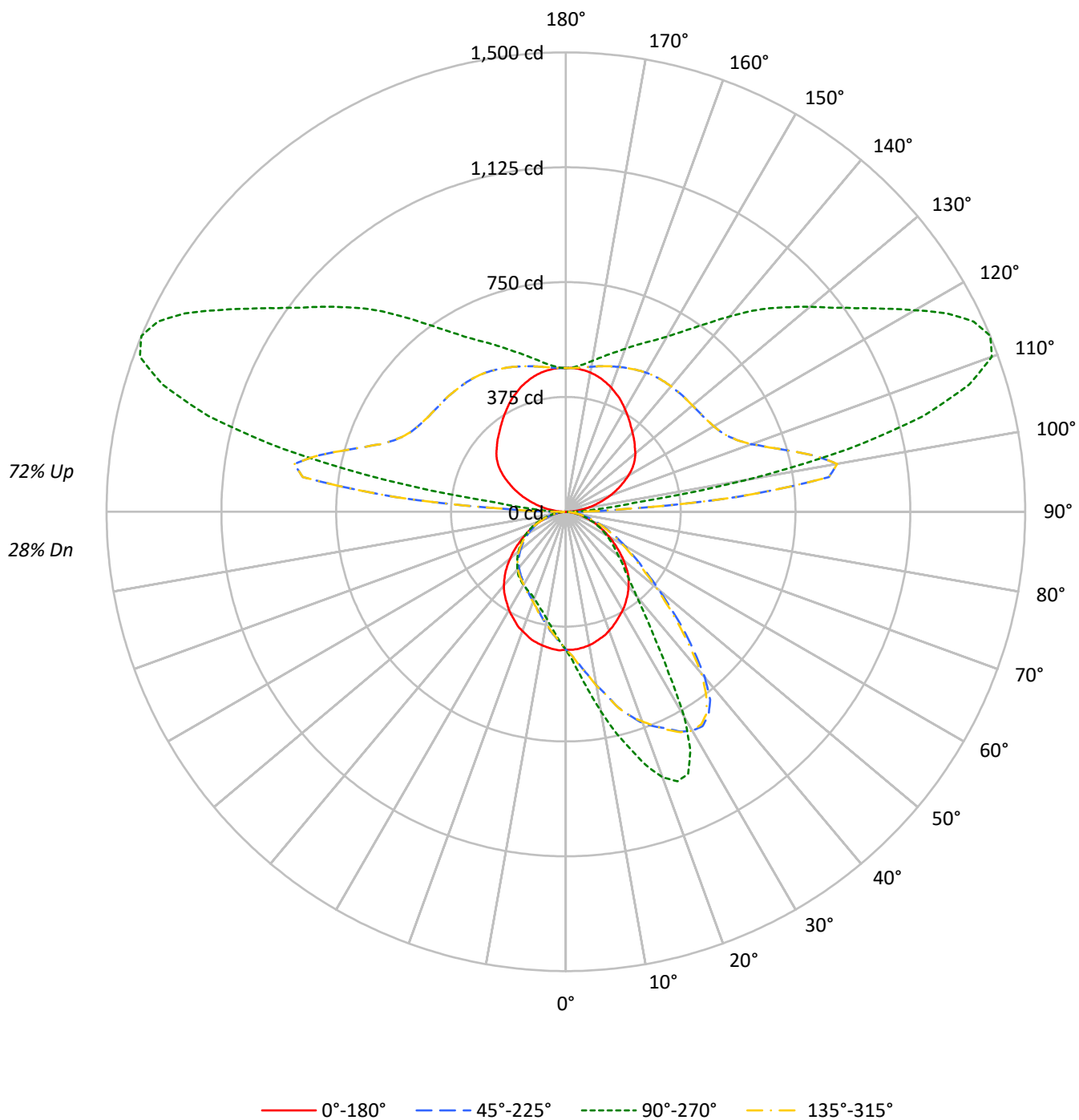
Lumens per Lamp: N/A
Luminaire Lumens: 4891.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

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: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

Luminous Intensity Polar Plot



TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-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°	4843	4843	4843	4843
5°	4846	5580	4860	4164
10°	4815	6753	4821	3637
15°	4749	8009	4788	3273
20°	4692	9220	4702	3013
25°	4607	9453	4617	2876
30°	4546	7809	4546	2787
35°	4471	5223	4443	2708
40°	4381	3770	4326	2587
45°	4267	2987	4143	2437
50°	3992	2537	3849	2290
55°	3689	2229	3539	2125
60°	3382	1941	3202	1952
65°	3046	1662	2898	1722
70°	2698	1379	2518	1451
75°	2305	1039	2157	1119
80°	1824	694	1683	736
85°	1258	319	1009	290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 7810 cd/sqm

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	0.9
10°-20°	142.1	2.9
20°-30°	239.1	4.9
30°-40°	270.3	5.5
40°-50°	242.1	4.9
50°-60°	195.4	4.0
60°-70°	136.2	2.8
70°-80°	71.5	1.5
80°-90°	19.7	0.4
90°-100°	254.7	5.2
100°-110°	745.6	15.2
110°-120°	728.1	14.9
120°-130°	579.9	11.9
130°-140°	457.5	9.4
140°-150°	341.3	7.0
150°-160°	238.0	4.9
160°-170°	139.8	2.9
170°-180°	45.5	0.9
0°-30°	425.5	8.7
0°-40°	695.8	14.2
0°-60°	1133.2	23.2
0°-90°	1360.6	27.8
90°-120°	1728.5	35.3
90°-150°	3107.2	63.5
90°-180°	3530.0	72.2
0°-180°	4891.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	450	450	450	450	450	
5°	450	534	451	399	450	43
15°	429	796	432	325	429	121
25°	392	944	393	287	392	181
35°	346	509	344	264	346	217
45°	287	275	279	224	287	220
55°	204	187	195	178	204	182
65°	126	121	120	126	126	125
75°	61	62	57	67	61	65
85°	13	14	10	13	13	15
90°	2	28	2	28	2	3
95°	32	110	32	110	32	34
105°	110	1208	110	1208	110	117
115°	195	1470	195	1470	195	193
125°	271	1159	271	1159	271	241
135°	317	940	317	940	317	245
145°	362	734	362	734	362	227
155°	411	609	411	609	411	189
165°	449	531	449	531	449	127
175°	468	478	468	478	468	44
180°	469	469	469	469	469	

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	451.3	454.7	456.5	459.1	461.7	465.6	466.9	469.1	468.3	470.0	470.9
5°	449.5	455.6	460.8	467.4	473.5	477.8	482.2	489.2	494.4	495.3	499.2
7.5°	446.5	455.2	464.3	473.5	485.3	492.2	500.1	509.7	517.5	530.2	535.0
10°	442.5	454.7	467.8	480.5	496.6	507.5	517.1	533.2	549.3	562.4	574.6
12.5°	436.4	451.7	468.7	487.4	508.4	521.0	534.1	555.5	579.9	599.9	613.0
15°	429.0	448.2	470.0	490.1	513.2	536.7	550.7	574.6	609.5	628.3	661.8
17.5°	422.9	442.5	464.3	495.7	527.1	550.7	560.7	604.7	628.7	660.1	698.0
20°	413.3	438.2	466.1	497.5	538.0	552.4	572.9	617.4	647.0	688.0	734.6
22.5°	403.3	429.9	463.5	496.2	541.5	556.8	584.7	620.0	667.1	707.6	759.1
25°	392.4	421.2	455.2	494.0	538.4	560.7	586.8	630.4	681.5	732.5	780.0
27.5°	381.5	412.9	448.2	487.0	530.2	556.3	582.5	627.8	693.2	748.6	809.2
30°	371.0	402.4	437.7	477.4	522.8	548.0	572.9	629.6	702.4	764.7	825.8
32.5°	359.7	392.0	429.0	462.2	507.9	535.0	562.9	629.6	708.0	774.3	830.1
35°	346.2	379.3	411.1	444.3	489.6	519.7	551.1	625.2	713.3	777.4	811.8
37.5°	333.1	362.3	389.8	422.0	469.6	501.8	538.0	620.0	710.7	764.3	773.9
40°	318.3	347.5	369.7	399.8	449.9	487.4	524.1	613.0	699.3	733.3	705.4
42.5°	303.9	327.0	346.2	375.4	429.9	466.5	506.2	600.4	677.1	684.1	621.3
45°	287.3	303.9	320.9	354.0	408.1	445.6	489.6	582.0	641.3	621.3	541.9
47.5°	266.0	280.8	299.5	330.0	385.0	423.8	465.6	558.5	589.5	547.6	460.8
50°	245.5	258.1	275.5	305.2	360.6	398.5	443.0	521.4	536.7	470.9	397.2
52.5°	225.0	234.6	251.6	281.2	336.6	373.2	413.8	483.5	474.8	404.2	338.8
55°	203.6	211.9	228.0	257.2	308.7	343.6	382.4	436.9	414.2	347.0	294.7
57.5°	182.7	191.4	208.0	232.4	280.8	314.8	345.7	388.5	354.5	300.8	254.6
60°	163.9	171.3	184.0	208.0	252.0	279.5	307.8	337.0	308.7	256.8	221.5
62.5°	144.3	151.3	163.1	184.9	222.8	247.2	269.9	293.9	262.5	224.5	193.1
65°	126.0	131.7	142.6	162.6	193.6	213.6	231.9	248.5	223.2	188.3	164.8
67.5°	109.4	114.2	123.4	141.3	167.4	181.8	196.6	210.6	189.2	161.3	141.3
70°	91.6	95.5	103.8	116.8	137.8	152.6	163.5	174.0	154.8	132.5	119.0
72.5°	75.9	79.8	85.0	98.5	112.9	122.1	133.8	139.5	128.6	110.3	96.8
75°	60.6	63.7	68.5	77.2	90.7	96.8	104.2	108.6	98.5	86.3	78.0
77.5°	47.5	48.8	52.3	58.4	67.6	74.6	80.2	82.8	75.9	68.0	61.0
80°	33.6	35.3	37.9	43.2	50.1	52.3	55.8	58.9	54.5	47.5	43.2
82.5°	22.2	24.4	25.7	27.9	32.3	34.9	35.8	38.4	34.4	31.8	30.1
85°	13.1	14.0	14.4	15.7	17.9	19.2	20.5	20.9	20.1	19.6	17.9
87.5°	6.5	6.5	6.5	7.4	7.8	8.7	9.2	9.2	9.2	8.7	8.3
90°	1.9	3.8	5.7	8.6	10.5	11.4	12.4	15.2	18.1	20.9	23.8
92.5°	14.3	20.9	30.4	39.0	48.5	57.0	65.6	96.0	146.3	195.7	176.7
95°	32.3	35.2	45.6	61.8	86.5	105.0	123.5	204.3	345.8	501.6	563.4
97.5°	51.3	52.3	60.8	75.1	99.8	120.2	140.6	220.4	384.8	647.0	866.5
100°	70.3	71.3	77.9	91.2	114.0	132.6	151.1	217.6	358.2	608.0	899.7
102.5°	90.3	92.2	97.9	110.2	130.2	146.8	163.4	221.4	335.4	551.0	838.0
105°	110.2	113.1	118.8	130.2	148.2	163.0	177.7	229.0	326.8	506.4	763.9
107.5°	131.1	134.0	139.7	151.1	168.2	182.0	195.7	241.3	324.9	474.1	698.3
110°	153.9	156.8	161.5	172.0	188.1	201.4	214.7	257.5	329.7	457.0	644.2

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	174.8	177.7	182.4	192.9	209.0	221.8	234.7	273.6	339.2	447.5	608.0
115°	194.8	198.6	204.3	213.8	229.9	242.8	255.6	291.7	349.6	446.5	584.3
117.5°	214.7	219.5	224.2	232.8	250.8	262.7	274.6	310.7	362.9	447.5	568.1
120°	235.6	238.5	243.2	252.7	270.8	282.6	294.5	328.7	378.1	451.3	557.7
122.5°	253.7	256.5	261.3	271.7	288.8	301.6	314.5	347.7	392.4	457.9	551.0
125°	270.8	272.7	278.4	288.8	306.9	319.7	332.5	365.8	407.6	464.6	545.3
127.5°	284.1	286.9	293.6	304.0	324.0	336.8	349.6	381.9	419.9	472.2	542.5
130°	296.4	299.3	307.8	319.2	339.2	352.0	364.8	396.2	432.3	479.8	539.6
132.5°	305.9	309.7	319.2	333.5	353.4	365.8	378.1	408.5	443.7	485.5	538.7
135°	317.3	321.1	331.6	345.8	365.8	378.6	391.4	420.9	453.2	491.2	537.7
137.5°	327.8	331.6	342.0	357.2	377.2	389.0	400.9	429.4	460.8	495.0	535.8
140°	338.2	343.0	352.5	367.7	386.7	398.5	410.4	438.0	466.5	498.8	534.9
142.5°	349.6	353.4	363.9	377.2	396.2	407.1	418.0	444.6	472.2	501.6	533.0
145°	362.0	364.8	373.4	387.6	403.8	414.7	425.6	450.3	476.0	502.6	531.1
147.5°	374.3	376.2	384.8	397.1	413.3	422.8	432.3	455.1	478.8	502.6	528.2
150°	386.7	387.6	395.2	407.6	420.9	429.4	438.0	459.8	479.8	502.6	524.4
152.5°	399.0	399.0	406.6	417.1	428.5	436.6	444.6	462.7	481.7	499.7	519.7
155°	411.4	411.4	417.1	426.6	437.0	443.6	450.3	466.5	481.7	497.8	514.0
157.5°	420.9	421.8	426.6	435.1	444.6	449.8	455.1	468.4	482.6	495.0	509.2
160°	432.3	432.3	436.1	443.7	450.3	455.0	459.8	471.2	482.6	493.1	503.5
162.5°	440.8	440.8	443.7	449.4	455.1	458.9	462.7	472.2	481.7	489.3	497.8
165°	449.4	448.4	450.3	455.1	458.9	462.2	465.5	473.1	479.8	485.5	492.1
167.5°	456.0	455.1	456.0	459.8	462.7	465.0	467.4	473.1	478.8	481.7	486.4
170°	461.7	459.8	460.8	463.6	465.5	466.4	467.4	472.2	476.0	477.9	480.7
172.5°	465.5	464.6	464.6	466.5	467.4	467.9	468.4	472.2	475.0	475.0	476.0
175°	468.4	467.4	466.5	468.4	468.4	468.8	469.3	471.2	473.1	472.2	472.2
177.5°	470.3	469.3	468.4	469.3	469.3	469.3	469.3	470.3	472.2	470.3	469.3
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	473.9	474.8	477.8	480.0	484.4	484.0	484.0	483.5	482.2	484.4	485.7
5°	507.1	514.5	515.3	524.9	525.4	529.3	531.9	529.7	535.0	534.5	530.6
7.5°	548.0	558.1	562.9	572.0	582.5	579.9	589.9	591.6	590.8	595.1	598.2
10°	592.9	610.4	622.6	639.6	644.0	646.6	653.1	658.8	670.1	661.4	667.1
12.5°	644.4	657.0	673.2	700.2	713.7	722.4	725.5	729.4	737.3	732.5	732.9
15°	687.6	704.6	732.0	765.6	769.5	780.4	777.8	801.4	812.7	795.7	805.3
17.5°	732.5	755.1	787.8	817.0	833.6	841.0	848.0	870.7	869.8	867.2	869.4
20°	761.2	798.3	838.8	877.7	882.4	888.1	906.9	916.5	914.7	922.1	926.9
22.5°	801.8	841.0	884.2	909.9	920.8	927.4	942.2	948.3	950.9	952.6	949.6
25°	835.8	877.7	909.5	932.1	938.7	942.2	947.0	948.7	947.4	944.4	947.0
27.5°	858.9	892.5	914.3	924.7	921.2	915.6	906.4	900.3	886.8	880.3	888.1
30°	868.5	883.3	889.9	872.4	855.0	841.0	823.6	791.3	766.0	773.4	763.4
32.5°	853.2	843.6	812.3	767.3	753.8	731.2	681.9	644.0	645.3	625.2	633.5
35°	808.3	764.7	705.4	637.4	619.5	607.3	553.3	545.0	527.5	508.8	514.0
37.5°	729.0	665.3	593.4	543.2	516.6	490.1	459.5	441.2	430.8	422.9	429.0
40°	632.2	554.6	495.3	450.4	427.7	410.7	389.8	371.5	359.7	358.4	360.6
42.5°	537.1	471.7	417.2	374.5	367.1	347.0	333.5	319.1	315.7	310.0	313.0
45°	454.7	401.5	356.6	321.8	313.0	307.8	291.2	282.1	278.2	274.7	279.9
47.5°	395.0	339.2	306.5	285.6	276.9	268.1	259.0	252.9	249.8	250.3	249.8
50°	337.5	296.5	267.7	251.6	246.3	240.2	232.8	228.9	227.6	223.7	226.7
52.5°	290.4	260.7	240.7	225.4	221.5	217.1	211.0	208.8	205.8	204.9	204.9
55°	252.4	229.3	213.2	203.2	198.4	194.9	191.4	188.8	186.6	186.6	186.6
57.5°	222.8	202.7	191.0	182.2	180.5	177.0	173.1	173.1	170.0	169.6	170.9
60°	197.5	179.6	170.5	163.1	160.4	159.6	155.6	155.6	154.8	152.6	154.3
62.5°	171.8	158.7	150.9	145.2	142.6	142.6	139.5	137.3	137.3	137.8	136.9
65°	148.2	138.6	131.7	127.3	126.0	124.3	123.8	122.1	120.8	121.2	120.8
67.5°	127.3	119.9	115.1	111.6	109.4	108.6	107.3	107.3	106.4	106.8	104.6
70°	108.6	101.1	97.2	93.7	92.9	92.9	91.1	91.6	90.7	92.0	91.1
72.5°	89.4	83.7	80.7	79.4	78.5	78.0	77.2	76.3	75.9	76.7	76.3
75°	72.4	67.6	65.4	64.5	63.7	63.7	63.2	62.8	62.3	62.3	62.3
77.5°	56.2	53.2	50.6	51.4	50.1	50.6	49.3	49.3	49.7	49.3	49.3
80°	41.4	39.2	39.2	38.4	36.6	37.5	37.5	36.2	35.8	36.6	35.3
82.5°	27.5	27.0	26.2	25.7	24.9	25.3	24.9	24.4	24.0	24.9	24.0
85°	16.1	16.1	15.7	14.8	15.7	15.3	14.8	14.8	14.4	14.4	14.4
87.5°	8.3	7.4	7.4	7.0	7.4	6.5	7.0	6.5	6.1	6.5	6.1
90°	22.8	23.8	24.7	25.7	26.6	27.6	26.6	27.6	28.5	27.6	28.5
92.5°	132.1	94.1	73.2	63.7	60.4	57.0	55.1	51.3	52.3	50.4	52.3
95°	457.0	342.0	231.8	181.5	164.4	147.3	129.2	120.7	114.0	110.2	114.0
97.5°	895.9	785.7	592.8	467.4	413.2	359.1	295.5	259.4	236.6	226.1	236.6
100°	1086.9	1120.1	1043.2	932.0	864.6	797.1	701.2	631.8	594.7	595.7	594.7
102.5°	1096.4	1231.3	1247.4	1194.2	1157.6	1121.1	1051.7	1000.4	971.0	943.4	971.0
105°	1036.5	1235.1	1330.1	1348.2	1335.8	1323.5	1279.8	1243.6	1213.2	1208.5	1213.2
107.5°	951.0	1178.1	1327.3	1401.4	1414.2	1427.0	1421.3	1404.2	1391.9	1381.4	1391.9
110°	871.2	1088.8	1263.6	1383.3	1416.6	1449.8	1476.4	1484.0	1482.1	1480.2	1482.1

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	801.9	1000.4	1180.0	1317.8	1362.9	1408.0	1462.2	1489.7	1499.2	1500.2	1499.2
115°	748.7	924.4	1089.7	1229.4	1281.2	1333.0	1404.2	1446.0	1465.0	1469.8	1465.0
117.5°	713.5	865.5	1011.8	1140.1	1193.8	1247.4	1321.6	1368.1	1396.6	1403.3	1396.6
120°	686.9	820.9	949.1	1063.1	1111.1	1159.1	1234.1	1287.4	1310.2	1315.9	1310.2
122.5°	665.1	785.7	898.8	1002.3	1046.0	1089.7	1154.3	1200.9	1226.5	1234.1	1226.5
125°	647.0	755.3	858.9	950.1	988.1	1026.1	1086.9	1128.7	1152.4	1159.1	1152.4
127.5°	629.9	727.8	821.8	905.4	940.6	975.7	1030.8	1066.9	1088.8	1094.5	1088.8
130°	616.6	702.1	787.6	864.6	896.9	929.2	979.5	1013.7	1033.7	1041.3	1033.7
132.5°	604.2	678.4	755.3	825.6	856.0	886.4	933.0	967.2	984.3	989.0	984.3
135°	593.8	657.5	724.9	786.7	813.8	840.8	887.4	915.9	933.0	939.6	933.0
137.5°	584.3	637.5	694.5	749.6	773.8	798.1	838.0	867.4	881.7	887.4	881.7
140°	575.7	620.4	668.9	714.5	734.9	755.3	791.4	818.0	833.2	832.3	833.2
142.5°	568.1	604.2	644.2	682.2	699.3	716.4	745.8	768.6	781.9	781.0	781.9
145°	561.5	591.9	623.2	653.7	667.4	681.2	705.0	724.9	732.5	734.4	732.5
147.5°	554.8	581.4	607.1	632.8	642.8	652.7	671.7	686.0	693.6	694.5	693.6
150°	548.2	570.0	591.9	611.8	620.8	629.9	644.2	654.6	660.3	660.3	660.3
152.5°	540.6	559.6	577.6	594.7	601.8	609.0	619.4	628.9	631.8	631.8	631.8
155°	533.0	549.1	564.3	578.6	584.3	590.0	598.5	606.1	608.0	609.0	608.0
157.5°	524.4	537.7	551.0	562.4	567.2	571.9	579.5	585.2	587.1	587.1	587.1
160°	515.9	528.2	538.7	548.2	551.5	554.8	561.5	567.2	567.2	566.2	567.2
162.5°	507.3	516.8	525.4	533.9	536.8	539.6	543.4	548.2	548.2	547.2	548.2
165°	499.7	507.3	513.0	519.7	522.0	524.4	528.2	532.0	531.1	531.1	531.1
167.5°	492.1	498.8	503.5	507.3	509.2	511.1	513.0	515.9	514.9	514.9	514.9
170°	485.5	490.2	493.1	496.9	497.8	498.8	499.7	501.6	500.7	500.7	500.7
172.5°	478.8	482.6	484.5	487.4	487.8	488.3	488.3	490.2	488.3	487.4	488.3
175°	474.1	476.0	476.9	478.8	478.8	478.8	478.8	479.8	478.8	477.9	478.8
177.5°	470.3	471.2	472.2	473.1	473.1	473.1	472.2	473.1	471.2	471.2	471.2
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	482.2	483.5	480.0	479.2	479.2	480.9	479.6	467.8	470.0	467.4	466.5
5°	535.4	532.8	529.3	527.5	525.4	519.3	518.8	505.3	502.7	494.0	490.1
7.5°	593.8	591.6	581.2	579.9	579.0	573.3	558.9	544.6	534.1	524.1	514.5
10°	660.5	654.0	649.2	639.6	634.8	627.0	608.2	594.7	576.8	561.6	541.5
12.5°	740.7	733.3	717.2	710.2	704.1	682.3	663.6	648.3	613.4	603.0	578.1
15°	799.6	783.9	782.2	766.9	766.0	742.1	706.3	689.7	662.7	624.3	598.6
17.5°	863.3	849.3	838.4	820.1	817.5	794.8	768.7	728.1	698.5	661.8	629.1
20°	909.9	902.5	883.8	876.3	861.1	841.9	814.9	764.7	728.5	691.9	651.8
22.5°	947.0	939.6	924.7	914.7	906.0	881.1	848.9	806.1	756.4	708.5	667.1
25°	946.5	944.4	938.3	933.5	926.9	908.6	881.6	840.6	785.2	732.5	674.9
27.5°	892.9	899.0	909.5	914.7	913.4	910.8	895.5	861.1	811.4	748.6	684.1
30°	781.3	803.5	823.2	849.3	857.2	876.3	885.1	865.4	825.8	767.3	695.8
32.5°	647.9	680.1	722.9	737.3	762.1	799.2	840.6	848.0	823.2	778.2	703.3
35°	531.5	558.1	591.2	613.9	636.1	696.3	748.6	793.9	802.2	772.6	701.5
37.5°	439.9	458.7	487.9	507.1	527.5	579.0	652.2	711.1	752.5	753.4	696.7
40°	373.6	381.9	407.2	421.2	440.8	485.3	550.7	627.4	688.0	715.9	684.1
42.5°	316.5	327.4	348.4	358.8	371.5	410.3	453.4	526.2	601.2	661.0	660.5
45°	282.5	290.4	300.0	308.7	323.1	346.2	395.4	449.9	521.9	589.5	616.1
47.5°	252.4	259.9	269.4	272.1	281.7	303.4	333.5	381.1	448.2	515.3	565.5
50°	227.2	233.3	239.8	244.6	249.0	266.8	289.5	329.6	383.2	448.2	510.5
52.5°	207.5	211.9	217.6	220.2	224.1	237.2	254.6	284.3	328.3	387.6	448.2
55°	189.2	192.3	195.8	200.1	201.9	211.5	225.0	250.3	283.0	336.1	393.7
57.5°	172.2	173.5	175.7	178.3	180.5	188.8	200.6	217.6	246.3	287.3	341.8
60°	153.0	156.5	157.8	160.4	161.8	168.3	177.4	191.8	214.1	249.4	290.4
62.5°	136.9	139.1	141.3	142.6	145.6	147.8	155.2	168.3	186.6	212.8	249.8
65°	122.5	123.4	124.7	126.0	126.9	129.5	136.5	145.2	159.1	182.2	211.0
67.5°	105.9	106.8	108.6	109.0	109.9	113.4	117.3	124.7	136.5	153.9	177.4
70°	89.8	91.1	92.0	92.9	94.2	95.5	99.8	105.9	115.1	127.3	145.6
72.5°	75.9	77.2	77.2	78.0	77.6	79.4	83.7	88.1	94.2	104.2	120.3
75°	61.9	61.9	62.8	63.2	63.7	65.4	67.1	70.6	75.4	83.3	93.3
77.5°	48.8	48.4	49.3	49.3	49.3	50.6	52.3	54.1	57.1	62.8	70.6
80°	35.8	35.8	36.6	37.1	36.2	36.6	37.5	39.2	41.4	45.3	49.7
82.5°	23.5	25.3	24.9	25.3	24.9	25.7	26.2	26.6	27.5	29.2	32.3
85°	14.4	14.4	14.4	14.8	14.4	14.8	14.8	14.8	15.3	16.1	17.4
87.5°	6.1	6.1	6.1	6.5	6.1	6.1	6.5	6.1	6.5	6.5	7.0
90°	27.6	26.6	27.6	26.6	25.7	24.7	23.8	22.8	23.8	20.9	18.1
92.5°	51.3	55.1	57.0	60.4	63.7	73.2	94.1	132.1	176.7	195.7	146.3
95°	120.7	129.2	147.3	164.4	181.5	231.8	342.0	457.0	563.4	501.6	345.8
97.5°	259.4	295.5	359.1	413.2	467.4	592.8	785.7	895.9	866.5	647.0	384.8
100°	631.8	701.2	797.1	864.6	932.0	1043.2	1120.1	1086.9	899.7	608.0	358.2
102.5°	1000.4	1051.7	1121.1	1157.6	1194.2	1247.4	1231.3	1096.4	838.0	551.0	335.4
105°	1243.6	1279.8	1323.5	1335.8	1348.2	1330.1	1235.1	1036.5	763.9	506.4	326.8
107.5°	1404.2	1421.3	1427.0	1414.2	1401.4	1327.3	1178.1	951.0	698.3	474.1	324.9
110°	1484.0	1476.4	1449.8	1416.6	1383.3	1263.6	1088.8	871.2	644.2	457.0	329.7

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1489.7	1462.2	1408.0	1362.9	1317.8	1180.0	1000.4	801.9	608.0	447.5	339.2
115°	1446.0	1404.2	1333.0	1281.2	1229.4	1089.7	924.4	748.7	584.3	446.5	349.6
117.5°	1368.1	1321.6	1247.4	1193.8	1140.1	1011.8	865.5	713.5	568.1	447.5	362.9
120°	1287.4	1234.1	1159.1	1111.1	1063.1	949.1	820.9	686.9	557.7	451.3	378.1
122.5°	1200.9	1154.3	1089.7	1046.0	1002.3	898.8	785.7	665.1	551.0	457.9	392.4
125°	1128.7	1086.9	1026.1	988.1	950.1	858.9	755.3	647.0	545.3	464.6	407.6
127.5°	1066.9	1030.8	975.7	940.6	905.4	821.8	727.8	629.9	542.5	472.2	419.9
130°	1013.7	979.5	929.2	896.9	864.6	787.6	702.1	616.6	539.6	479.8	432.3
132.5°	967.2	933.0	886.4	856.0	825.6	755.3	678.4	604.2	538.7	485.5	443.7
135°	915.9	887.4	840.8	813.8	786.7	724.9	657.5	593.8	537.7	491.2	453.2
137.5°	867.4	838.0	798.1	773.8	749.6	694.5	637.5	584.3	535.8	495.0	460.8
140°	818.0	791.4	755.3	734.9	714.5	668.9	620.4	575.7	534.9	498.8	466.5
142.5°	768.6	745.8	716.4	699.3	682.2	644.2	604.2	568.1	533.0	501.6	472.2
145°	724.9	705.0	681.2	667.4	653.7	623.2	591.9	561.5	531.1	502.6	476.0
147.5°	686.0	671.7	652.7	642.8	632.8	607.1	581.4	554.8	528.2	502.6	478.8
150°	654.6	644.2	629.9	620.8	611.8	591.9	570.0	548.2	524.4	502.6	479.8
152.5°	628.9	619.4	609.0	601.8	594.7	577.6	559.6	540.6	519.7	499.7	481.7
155°	606.1	598.5	590.0	584.3	578.6	564.3	549.1	533.0	514.0	497.8	481.7
157.5°	585.2	579.5	571.9	567.2	562.4	551.0	537.7	524.4	509.2	495.0	482.6
160°	567.2	561.5	554.8	551.5	548.2	538.7	528.2	515.9	503.5	493.1	482.6
162.5°	548.2	543.4	539.6	536.8	533.9	525.4	516.8	507.3	497.8	489.3	481.7
165°	532.0	528.2	524.4	522.0	519.7	513.0	507.3	499.7	492.1	485.5	479.8
167.5°	515.9	513.0	511.1	509.2	507.3	503.5	498.8	492.1	486.4	481.7	478.8
170°	501.6	499.7	498.8	497.8	496.9	493.1	490.2	485.5	480.7	477.9	476.0
172.5°	490.2	488.3	488.3	487.8	487.4	484.5	482.6	478.8	476.0	475.0	475.0
175°	479.8	478.8	478.8	478.8	478.8	476.9	476.0	474.1	472.2	472.2	473.1
177.5°	473.1	472.2	473.1	473.1	473.1	472.2	471.2	470.3	469.3	470.3	472.2
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	462.2	460.8	460.8	460.0	457.4	452.6	452.1	453.0	450.4	447.8	443.8
5°	484.8	476.5	473.9	471.3	466.1	457.4	453.9	450.8	446.0	440.4	434.2
7.5°	504.0	492.2	488.7	484.0	473.5	461.3	453.4	446.9	440.4	432.5	425.1
10°	528.0	511.0	502.7	495.7	481.3	464.3	452.6	443.0	432.5	422.9	413.3
12.5°	555.0	527.5	524.9	507.9	491.4	466.1	451.7	437.7	423.8	412.0	402.0
15°	577.7	547.6	536.7	525.4	493.5	462.2	448.2	432.5	416.4	403.7	388.9
17.5°	592.1	567.2	544.1	528.9	495.7	467.8	440.8	422.9	405.9	388.5	376.3
20°	609.5	573.3	553.3	532.8	500.1	463.5	436.4	414.2	393.3	377.6	362.7
22.5°	627.0	578.1	561.6	539.3	501.0	459.1	428.6	406.3	382.4	366.7	350.5
25°	625.2	585.1	557.6	538.9	492.2	455.2	419.4	393.3	371.0	351.0	334.8
27.5°	626.5	577.3	549.3	527.5	486.1	449.5	409.8	382.4	359.3	338.3	321.3
30°	627.0	565.5	541.1	514.9	474.8	436.0	398.9	371.0	346.6	323.9	308.7
32.5°	625.6	555.9	525.4	501.8	456.9	422.9	386.3	356.6	331.8	310.9	296.5
35°	622.6	544.6	509.2	479.6	438.6	404.2	374.5	344.0	317.4	298.2	281.7
37.5°	614.3	532.3	492.2	463.0	417.2	382.4	356.2	330.9	305.2	282.5	268.6
40°	608.2	515.8	475.2	443.4	394.1	360.1	338.3	314.3	289.1	268.6	255.1
42.5°	594.3	500.1	457.8	419.9	371.5	336.6	316.1	296.9	275.1	255.1	242.8
45°	571.6	483.1	436.4	398.1	346.6	313.5	294.7	279.0	259.9	240.7	228.5
47.5°	539.8	458.7	413.8	375.4	322.2	288.6	269.9	258.1	242.8	226.7	216.3
50°	505.3	432.1	390.6	352.7	298.7	266.0	247.6	236.7	226.7	211.9	201.9
52.5°	460.4	403.7	364.1	327.9	273.4	242.0	225.8	218.0	207.5	197.1	188.3
55°	416.8	367.1	334.4	300.0	248.5	219.3	203.6	195.3	189.2	180.5	173.5
57.5°	366.2	333.1	303.0	271.6	225.4	198.8	184.0	174.0	170.0	166.1	159.6
60°	319.6	294.3	269.9	243.7	201.4	177.4	163.1	155.2	151.3	148.7	144.3
62.5°	276.9	257.2	236.3	215.4	177.0	155.2	144.3	136.5	133.0	132.5	128.6
65°	235.9	221.9	204.9	184.4	154.3	135.2	124.7	119.9	116.0	116.0	112.9
67.5°	194.9	185.3	171.8	157.4	133.8	116.0	106.4	102.0	99.8	99.8	97.7
70°	162.2	155.6	143.4	130.8	110.3	96.8	89.4	85.5	84.1	84.6	82.8
72.5°	131.7	124.7	114.7	105.5	90.3	80.2	75.0	70.6	68.5	68.9	68.5
75°	102.0	98.5	89.8	82.8	70.6	63.7	58.9	56.7	54.9	55.4	54.5
77.5°	76.7	71.5	66.7	61.9	54.5	48.8	44.9	42.7	41.4	41.4	41.4
80°	52.3	51.4	47.5	44.9	38.8	34.4	31.4	31.0	29.6	29.6	29.6
82.5°	34.0	31.8	29.6	27.9	24.4	21.8	20.5	19.6	19.2	18.7	19.6
85°	18.7	17.4	16.6	14.8	13.5	12.2	10.9	10.5	10.0	10.5	10.0
87.5°	7.4	6.1	6.1	5.7	5.2	4.8	4.8	3.9	3.9	3.5	3.5
90°	15.2	12.4	11.4	10.5	8.6	5.7	3.8	1.9	3.8	5.7	8.6
92.5°	96.0	65.6	57.0	48.5	39.0	30.4	20.9	14.3	20.9	30.4	39.0
95°	204.3	123.5	105.0	86.5	61.8	45.6	35.2	32.3	35.2	45.6	61.8
97.5°	220.4	140.6	120.2	99.8	75.1	60.8	52.3	51.3	52.3	60.8	75.1
100°	217.6	151.1	132.6	114.0	91.2	77.9	71.3	70.3	71.3	77.9	91.2
102.5°	221.4	163.4	146.8	130.2	110.2	97.9	92.2	90.3	92.2	97.9	110.2
105°	229.0	177.7	163.0	148.2	130.2	118.8	113.1	110.2	113.1	118.8	130.2
107.5°	241.3	195.7	182.0	168.2	151.1	139.7	134.0	131.1	134.0	139.7	151.1
110°	257.5	214.7	201.4	188.1	172.0	161.5	156.8	153.9	156.8	161.5	172.0

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	273.6	234.7	221.8	209.0	192.9	182.4	177.7	174.8	177.7	182.4	192.9
115°	291.7	255.6	242.8	229.9	213.8	204.3	198.6	194.8	198.6	204.3	213.8
117.5°	310.7	274.6	262.7	250.8	232.8	224.2	219.5	214.7	219.5	224.2	232.8
120°	328.7	294.5	282.6	270.8	252.7	243.2	238.5	235.6	238.5	243.2	252.7
122.5°	347.7	314.5	301.6	288.8	271.7	261.3	256.5	253.7	256.5	261.3	271.7
125°	365.8	332.5	319.7	306.9	288.8	278.4	272.7	270.8	272.7	278.4	288.8
127.5°	381.9	349.6	336.8	324.0	304.0	293.6	286.9	284.1	286.9	293.6	304.0
130°	396.2	364.8	352.0	339.2	319.2	307.8	299.3	296.4	299.3	307.8	319.2
132.5°	408.5	378.1	365.8	353.4	333.5	319.2	309.7	305.9	309.7	319.2	333.5
135°	420.9	391.4	378.6	365.8	345.8	331.6	321.1	317.3	321.1	331.6	345.8
137.5°	429.4	400.9	389.0	377.2	357.2	342.0	331.6	327.8	331.6	342.0	357.2
140°	438.0	410.4	398.5	386.7	367.7	352.5	343.0	338.2	343.0	352.5	367.7
142.5°	444.6	418.0	407.1	396.2	377.2	363.9	353.4	349.6	353.4	363.9	377.2
145°	450.3	425.6	414.7	403.8	387.6	373.4	364.8	362.0	364.8	373.4	387.6
147.5°	455.1	432.3	422.8	413.3	397.1	384.8	376.2	374.3	376.2	384.8	397.1
150°	459.8	438.0	429.4	420.9	407.6	395.2	387.6	386.7	387.6	395.2	407.6
152.5°	462.7	444.6	436.6	428.5	417.1	406.6	399.0	399.0	399.0	406.6	417.1
155°	466.5	450.3	443.6	437.0	426.6	417.1	411.4	411.4	411.4	417.1	426.6
157.5°	468.4	455.1	449.8	444.6	435.1	426.6	421.8	420.9	421.8	426.6	435.1
160°	471.2	459.8	455.0	450.3	443.7	436.1	432.3	432.3	432.3	436.1	443.7
162.5°	472.2	462.7	458.9	455.1	449.4	443.7	440.8	440.8	440.8	443.7	449.4
165°	473.1	465.5	462.2	458.9	455.1	450.3	448.4	449.4	448.4	450.3	455.1
167.5°	473.1	467.4	465.0	462.7	459.8	456.0	455.1	456.0	455.1	456.0	459.8
170°	472.2	467.4	466.4	465.5	463.6	460.8	459.8	461.7	459.8	460.8	463.6
172.5°	472.2	468.4	467.9	467.4	466.5	464.6	464.6	465.5	464.6	464.6	466.5
175°	471.2	469.3	468.8	468.4	468.4	466.5	467.4	468.4	467.4	466.5	468.4
177.5°	470.3	469.3	469.3	469.3	469.3	468.4	469.3	470.3	469.3	468.4	469.3
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	443.0	442.5	443.4	440.8	436.4	434.2	428.1	426.8	426.4	426.8	427.3
5°	430.8	430.3	429.0	424.7	419.4	415.5	408.1	407.7	405.0	402.4	403.7
7.5°	419.0	417.2	414.6	409.0	402.0	397.6	391.5	387.2	383.7	381.5	379.7
10°	407.2	404.6	402.0	394.6	385.9	379.3	371.9	368.4	364.5	362.7	361.0
12.5°	392.0	389.3	384.5	375.8	370.6	362.3	354.9	351.4	349.2	345.7	343.6
15°	379.7	374.5	371.9	362.7	351.8	351.0	337.5	336.6	332.2	332.2	328.7
17.5°	365.8	361.9	357.1	347.9	340.1	332.2	325.2	322.6	318.7	317.8	316.1
20°	352.3	347.0	345.3	336.1	327.9	318.3	310.9	308.2	306.5	304.8	306.1
22.5°	338.3	334.0	329.6	321.3	315.2	305.6	301.3	298.7	296.0	295.2	295.6
25°	324.8	320.9	316.5	308.2	301.7	293.9	289.9	288.6	287.3	287.3	286.9
27.5°	311.7	307.8	303.9	296.5	289.9	284.3	281.2	279.9	278.6	279.5	280.3
30°	298.2	294.7	291.2	284.7	279.5	274.2	272.5	271.6	271.2	273.4	273.4
32.5°	286.0	283.0	280.3	274.2	269.0	264.6	263.3	263.8	264.2	265.5	266.4
35°	273.4	271.2	268.6	263.3	259.0	255.1	255.5	255.5	256.4	258.5	260.3
37.5°	262.0	259.0	256.8	252.4	249.0	245.5	246.8	248.1	249.0	251.6	252.4
40°	248.5	247.2	245.5	241.1	238.1	237.6	238.1	238.9	240.7	242.0	243.3
42.5°	237.6	235.9	233.7	230.2	227.6	228.0	228.5	229.3	230.2	232.4	233.7
45°	225.4	224.1	222.4	219.3	217.1	217.6	218.0	218.0	218.9	221.5	222.4
47.5°	211.9	212.3	210.1	207.1	205.8	205.8	205.8	206.7	208.8	209.7	210.1
50°	198.8	197.9	197.5	194.5	193.6	193.1	193.6	194.0	197.1	196.6	197.9
52.5°	184.9	184.9	184.4	182.7	181.4	181.4	180.5	182.7	183.6	184.4	185.7
55°	171.3	170.0	169.6	168.7	167.0	166.5	167.4	170.0	170.9	171.8	173.1
57.5°	156.5	156.5	155.6	154.3	154.3	154.3	154.3	156.1	157.4	158.3	160.9
60°	143.0	141.3	140.0	140.0	140.0	139.5	142.1	142.1	144.7	145.2	146.1
62.5°	126.9	126.0	125.1	125.6	125.1	126.0	126.9	128.6	129.1	130.4	131.7
65°	111.6	111.6	110.7	113.4	111.6	111.6	113.8	113.8	114.7	116.0	117.7
67.5°	96.8	97.2	96.4	96.4	97.2	97.7	98.1	99.8	100.3	102.0	104.2
70°	81.5	82.4	82.8	82.0	82.8	83.7	84.6	85.0	86.8	87.6	88.9
72.5°	68.0	68.9	67.6	68.0	68.5	69.3	69.8	70.6	71.5	74.1	75.0
75°	54.5	54.1	53.6	55.4	54.5	56.2	56.7	56.7	57.6	59.7	60.6
77.5°	41.9	41.9	42.3	41.4	42.7	42.3	42.7	44.0	45.3	45.3	48.8
80°	29.2	30.1	30.1	30.1	30.5	31.0	30.1	32.3	32.7	32.7	34.0
82.5°	18.7	19.2	18.7	19.6	19.6	20.5	20.1	20.5	21.4	22.2	22.7
85°	10.0	10.0	10.9	10.9	10.5	10.9	10.5	10.9	11.8	11.8	12.2
87.5°	3.5	3.5	3.5	3.5	3.9	3.5	3.9	3.9	3.5	3.5	4.8
90°	10.5	11.4	12.4	15.2	18.1	20.9	23.8	22.8	23.8	24.7	25.7
92.5°	48.5	57.0	65.6	96.0	146.3	195.7	176.7	132.1	94.1	73.2	63.7
95°	86.5	105.0	123.5	204.3	345.8	501.6	563.4	457.0	342.0	231.8	181.5
97.5°	99.8	120.2	140.6	220.4	384.8	647.0	866.5	895.9	785.7	592.8	467.4
100°	114.0	132.6	151.1	217.6	358.2	608.0	899.7	1086.9	1120.1	1043.2	932.0
102.5°	130.2	146.8	163.4	221.4	335.4	551.0	838.0	1096.4	1231.3	1247.4	1194.2
105°	148.2	163.0	177.7	229.0	326.8	506.4	763.9	1036.5	1235.1	1330.1	1348.2
107.5°	168.2	182.0	195.7	241.3	324.9	474.1	698.3	951.0	1178.1	1327.3	1401.4
110°	188.1	201.4	214.7	257.5	329.7	457.0	644.2	871.2	1088.8	1263.6	1383.3

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	209.0	221.8	234.7	273.6	339.2	447.5	608.0	801.9	1000.4	1180.0	1317.8
115°	229.9	242.8	255.6	291.7	349.6	446.5	584.3	748.7	924.4	1089.7	1229.4
117.5°	250.8	262.7	274.6	310.7	362.9	447.5	568.1	713.5	865.5	1011.8	1140.1
120°	270.8	282.6	294.5	328.7	378.1	451.3	557.7	686.9	820.9	949.1	1063.1
122.5°	288.8	301.6	314.5	347.7	392.4	457.9	551.0	665.1	785.7	898.8	1002.3
125°	306.9	319.7	332.5	365.8	407.6	464.6	545.3	647.0	755.3	858.9	950.1
127.5°	324.0	336.8	349.6	381.9	419.9	472.2	542.5	629.9	727.8	821.8	905.4
130°	339.2	352.0	364.8	396.2	432.3	479.8	539.6	616.6	702.1	787.6	864.6
132.5°	353.4	365.8	378.1	408.5	443.7	485.5	538.7	604.2	678.4	755.3	825.6
135°	365.8	378.6	391.4	420.9	453.2	491.2	537.7	593.8	657.5	724.9	786.7
137.5°	377.2	389.0	400.9	429.4	460.8	495.0	535.8	584.3	637.5	694.5	749.6
140°	386.7	398.5	410.4	438.0	466.5	498.8	534.9	575.7	620.4	668.9	714.5
142.5°	396.2	407.1	418.0	444.6	472.2	501.6	533.0	568.1	604.2	644.2	682.2
145°	403.8	414.7	425.6	450.3	476.0	502.6	531.1	561.5	591.9	623.2	653.7
147.5°	413.3	422.8	432.3	455.1	478.8	502.6	528.2	554.8	581.4	607.1	632.8
150°	420.9	429.4	438.0	459.8	479.8	502.6	524.4	548.2	570.0	591.9	611.8
152.5°	428.5	436.6	444.6	462.7	481.7	499.7	519.7	540.6	559.6	577.6	594.7
155°	437.0	443.6	450.3	466.5	481.7	497.8	514.0	533.0	549.1	564.3	578.6
157.5°	444.6	449.8	455.1	468.4	482.6	495.0	509.2	524.4	537.7	551.0	562.4
160°	450.3	455.0	459.8	471.2	482.6	493.1	503.5	515.9	528.2	538.7	548.2
162.5°	455.1	458.9	462.7	472.2	481.7	489.3	497.8	507.3	516.8	525.4	533.9
165°	458.9	462.2	465.5	473.1	479.8	485.5	492.1	499.7	507.3	513.0	519.7
167.5°	462.7	465.0	467.4	473.1	478.8	481.7	486.4	492.1	498.8	503.5	507.3
170°	465.5	466.4	467.4	472.2	476.0	477.9	480.7	485.5	490.2	493.1	496.9
172.5°	467.4	467.9	468.4	472.2	475.0	475.0	476.0	478.8	482.6	484.5	487.4
175°	468.4	468.8	469.3	471.2	473.1	472.2	472.2	474.1	476.0	476.9	478.8
177.5°	469.3	469.3	469.3	470.3	472.2	470.3	469.3	470.3	471.2	472.2	473.1
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	426.8	427.3	425.5	424.2	427.7	425.5	425.5	426.0	425.1	426.4	426.0
5°	402.9	403.3	400.2	401.1	399.4	398.9	398.5	401.1	400.7	400.2	401.1
7.5°	379.3	379.3	378.0	377.1	377.1	375.8	377.6	377.1	378.0	378.0	379.3
10°	359.7	360.6	358.4	356.2	355.8	356.2	356.2	356.6	357.1	360.1	359.7
12.5°	343.6	342.3	341.8	340.5	338.3	337.5	336.6	341.4	340.1	340.1	340.1
15°	325.7	328.7	328.3	324.4	323.5	325.2	324.4	324.4	328.7	328.3	327.9
17.5°	316.1	315.2	314.3	312.2	312.6	312.2	312.6	312.6	315.2	315.2	315.2
20°	305.2	303.4	303.4	302.6	302.6	301.3	303.0	303.4	305.2	305.2	305.6
22.5°	295.6	294.3	294.3	293.9	294.7	293.0	294.7	295.2	295.2	296.5	296.5
25°	287.3	286.4	286.4	287.3	287.3	287.3	287.3	289.1	287.8	288.2	287.8
27.5°	279.9	280.3	280.8	281.2	280.8	281.2	281.7	282.5	283.0	282.5	281.7
30°	272.9	274.2	274.7	274.7	275.5	276.0	276.4	276.4	276.9	275.5	276.4
32.5°	267.7	267.7	268.6	269.0	269.9	270.3	270.3	271.2	270.8	269.4	269.9
35°	260.3	260.3	262.0	262.9	264.2	263.8	264.2	264.2	264.6	263.8	262.5
37.5°	252.9	253.7	253.7	255.5	255.9	256.4	255.9	256.8	256.4	255.5	255.1
40°	244.2	243.7	244.2	245.5	245.9	245.9	245.9	246.8	246.8	246.8	246.3
42.5°	233.3	234.6	234.1	235.4	235.0	235.0	235.9	236.7	237.2	235.9	236.3
45°	222.8	222.8	223.7	223.7	224.1	224.1	225.8	225.0	225.8	225.0	225.4
47.5°	211.5	211.9	211.9	212.3	213.2	214.1	213.2	213.6	213.6	214.1	213.2
50°	198.8	198.8	199.7	201.0	202.7	201.9	201.4	203.2	201.9	201.9	201.0
52.5°	185.7	187.0	187.5	188.8	190.1	190.5	191.0	190.1	190.5	189.2	189.7
55°	173.1	173.5	175.3	176.6	177.9	177.9	177.4	177.9	178.3	176.6	176.6
57.5°	160.4	161.8	163.5	163.5	165.2	165.2	164.8	164.8	165.2	163.9	163.5
60°	146.9	148.2	150.4	150.4	153.0	153.5	152.6	151.7	151.7	150.4	150.9
62.5°	132.5	133.8	135.2	137.3	139.1	138.2	140.0	138.2	138.6	136.0	136.0
65°	119.9	120.3	122.5	124.7	124.7	125.6	124.7	125.1	123.8	123.8	122.1
67.5°	105.1	105.1	107.3	109.4	111.6	111.6	111.6	110.3	110.3	109.0	109.0
70°	92.0	91.6	93.7	95.0	96.4	96.8	95.9	95.5	94.6	93.3	92.9
72.5°	75.9	76.7	78.9	79.8	82.0	81.5	83.7	81.1	81.1	78.9	78.5
75°	61.5	62.3	64.5	65.8	67.1	67.1	68.5	67.1	65.4	64.5	64.1
77.5°	48.8	48.4	50.1	52.3	52.8	52.3	53.2	52.8	51.0	51.0	50.1
80°	34.9	36.2	37.9	37.5	39.2	38.8	38.8	37.9	37.9	36.6	37.5
82.5°	23.1	24.4	24.9	24.4	24.9	25.7	26.2	25.7	25.7	24.9	25.3
85°	12.2	12.2	13.1	13.5	13.1	13.1	13.5	14.8	14.0	13.1	14.0
87.5°	3.9	3.5	3.5	3.9	3.5	3.5	3.9	3.9	4.4	4.4	4.4
90°	26.6	27.6	26.6	27.6	28.5	27.6	28.5	27.6	26.6	27.6	26.6
92.5°	60.4	57.0	55.1	51.3	52.3	50.4	52.3	51.3	55.1	57.0	60.4
95°	164.4	147.3	129.2	120.7	114.0	110.2	114.0	120.7	129.2	147.3	164.4
97.5°	413.2	359.1	295.5	259.4	236.6	226.1	236.6	259.4	295.5	359.1	413.2
100°	864.6	797.1	701.2	631.8	594.7	595.7	594.7	631.8	701.2	797.1	864.6
102.5°	1157.6	1121.1	1051.7	1000.4	971.0	943.4	971.0	1000.4	1051.7	1121.1	1157.6
105°	1335.8	1323.5	1279.8	1243.6	1213.2	1208.5	1213.2	1243.6	1279.8	1323.5	1335.8
107.5°	1414.2	1427.0	1421.3	1404.2	1391.9	1381.4	1391.9	1404.2	1421.3	1427.0	1414.2
110°	1416.6	1449.8	1476.4	1484.0	1482.1	1480.2	1482.1	1484.0	1476.4	1449.8	1416.6

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1362.9	1408.0	1462.2	1489.7	1499.2	1500.2	1499.2	1489.7	1462.2	1408.0	1362.9
115°	1281.2	1333.0	1404.2	1446.0	1465.0	1469.8	1465.0	1446.0	1404.2	1333.0	1281.2
117.5°	1193.8	1247.4	1321.6	1368.1	1396.6	1403.3	1396.6	1368.1	1321.6	1247.4	1193.8
120°	1111.1	1159.1	1234.1	1287.4	1310.2	1315.9	1310.2	1287.4	1234.1	1159.1	1111.1
122.5°	1046.0	1089.7	1154.3	1200.9	1226.5	1234.1	1226.5	1200.9	1154.3	1089.7	1046.0
125°	988.1	1026.1	1086.9	1128.7	1152.4	1159.1	1152.4	1128.7	1086.9	1026.1	988.1
127.5°	940.6	975.7	1030.8	1066.9	1088.8	1094.5	1088.8	1066.9	1030.8	975.7	940.6
130°	896.9	929.2	979.5	1013.7	1033.7	1041.3	1033.7	1013.7	979.5	929.2	896.9
132.5°	856.0	886.4	933.0	967.2	984.3	989.0	984.3	967.2	933.0	886.4	856.0
135°	813.8	840.8	887.4	915.9	933.0	939.6	933.0	915.9	887.4	840.8	813.8
137.5°	773.8	798.1	838.0	867.4	881.7	887.4	881.7	867.4	838.0	798.1	773.8
140°	734.9	755.3	791.4	818.0	833.2	832.3	833.2	818.0	791.4	755.3	734.9
142.5°	699.3	716.4	745.8	768.6	781.9	781.0	781.9	768.6	745.8	716.4	699.3
145°	667.4	681.2	705.0	724.9	732.5	734.4	732.5	724.9	705.0	681.2	667.4
147.5°	642.8	652.7	671.7	686.0	693.6	694.5	693.6	686.0	671.7	652.7	642.8
150°	620.8	629.9	644.2	654.6	660.3	660.3	660.3	654.6	644.2	629.9	620.8
152.5°	601.8	609.0	619.4	628.9	631.8	631.8	631.8	628.9	619.4	609.0	601.8
155°	584.3	590.0	598.5	606.1	608.0	609.0	608.0	606.1	598.5	590.0	584.3
157.5°	567.2	571.9	579.5	585.2	587.1	587.1	587.1	585.2	579.5	571.9	567.2
160°	551.5	554.8	561.5	567.2	567.2	566.2	567.2	567.2	561.5	554.8	551.5
162.5°	536.8	539.6	543.4	548.2	548.2	547.2	548.2	548.2	543.4	539.6	536.8
165°	522.0	524.4	528.2	532.0	531.1	531.1	531.1	532.0	528.2	524.4	522.0
167.5°	509.2	511.1	513.0	515.9	514.9	514.9	514.9	515.9	513.0	511.1	509.2
170°	497.8	498.8	499.7	501.6	500.7	500.7	500.7	501.6	499.7	498.8	497.8
172.5°	487.8	488.3	488.3	490.2	488.3	487.4	488.3	490.2	488.3	488.3	487.8
175°	478.8	478.8	478.8	479.8	478.8	477.9	478.8	479.8	478.8	478.8	478.8
177.5°	473.1	473.1	472.2	473.1	471.2	471.2	471.2	473.1	472.2	473.1	473.1
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	427.3	428.1	428.6	426.8	425.5	427.7	430.8	432.9	434.7	436.9	438.2
5°	402.0	405.0	405.0	405.9	407.2	409.4	415.1	419.0	422.5	425.1	427.3
7.5°	380.6	382.8	384.1	386.3	388.5	391.5	398.1	403.7	409.0	412.0	415.5
10°	361.4	363.2	365.4	366.7	370.6	375.0	383.2	388.0	394.1	398.9	403.3
12.5°	343.1	349.2	350.5	350.1	353.6	358.4	366.7	374.1	380.6	385.4	390.2
15°	330.0	332.2	334.8	334.4	341.8	343.1	350.1	358.8	367.5	370.6	375.0
17.5°	315.7	319.1	321.8	323.1	325.2	330.0	336.6	343.1	354.5	354.9	366.2
20°	304.3	307.8	309.6	311.3	312.6	318.3	323.9	331.4	340.5	345.3	351.4
22.5°	296.9	298.7	300.0	301.3	303.0	306.1	313.0	321.3	327.4	332.7	336.6
25°	288.2	289.9	291.7	292.6	293.9	295.6	300.8	307.4	316.1	319.6	323.5
27.5°	282.1	282.1	283.0	283.0	284.7	286.4	290.4	296.5	303.4	307.8	313.0
30°	275.5	275.1	275.5	275.1	274.7	277.3	280.8	286.0	290.8	296.0	299.5
32.5°	269.0	268.6	268.6	269.0	267.3	268.6	270.3	275.1	280.3	283.0	286.9
35°	262.0	261.2	261.2	261.2	260.3	259.4	261.2	265.5	269.0	272.5	275.5
37.5°	255.1	253.7	253.7	252.9	252.0	250.7	250.7	254.2	259.0	260.3	264.2
40°	245.5	245.5	244.6	244.2	243.3	242.4	241.1	244.2	248.5	249.8	252.9
42.5°	235.9	234.6	234.1	234.1	234.1	232.8	231.9	234.1	236.7	238.9	240.7
45°	225.0	224.1	224.5	224.1	223.2	222.8	222.4	223.2	226.3	227.2	229.3
47.5°	213.2	212.8	212.8	212.3	211.9	212.3	210.6	212.8	213.6	214.5	216.3
50°	201.0	200.6	200.1	199.7	199.7	200.1	199.7	199.7	201.4	202.3	204.0
52.5°	188.8	187.5	187.5	187.0	187.0	186.2	187.0	187.5	188.3	189.2	190.1
55°	175.7	175.7	174.4	174.4	173.5	173.5	174.0	173.5	175.3	176.1	176.1
57.5°	163.1	161.3	161.8	160.9	160.0	159.6	159.6	160.4	161.3	161.3	162.2
60°	149.5	147.8	147.4	145.6	146.5	145.2	145.6	145.6	147.4	146.5	147.4
62.5°	136.0	133.8	132.5	131.7	131.7	132.1	131.2	130.8	131.7	132.5	134.3
65°	121.6	120.3	119.0	117.7	117.7	117.3	118.2	116.8	116.4	116.8	117.7
67.5°	106.8	105.5	104.2	102.9	103.3	102.0	101.1	102.5	101.6	102.0	102.9
70°	92.4	91.6	88.9	88.1	87.6	88.1	87.6	86.8	88.1	87.6	88.1
72.5°	78.0	77.2	75.9	73.7	73.7	73.2	72.8	72.8	72.4	72.4	72.4
75°	64.1	62.3	61.0	60.6	59.7	59.3	58.9	58.0	58.4	58.9	58.0
77.5°	49.7	47.5	47.1	47.1	45.8	45.8	46.2	45.8	45.3	45.3	45.3
80°	36.6	34.9	34.9	34.0	33.1	33.1	33.1	33.1	32.7	32.3	32.7
82.5°	23.5	23.1	22.7	22.7	23.5	21.8	22.7	22.2	21.8	21.8	21.4
85°	13.1	13.5	13.1	13.5	12.6	13.1	13.1	13.1	12.6	13.1	12.2
87.5°	4.8	4.8	4.8	5.2	5.2	5.2	5.2	5.2	5.7	5.2	5.2
90°	25.7	24.7	23.8	22.8	23.8	20.9	18.1	15.2	12.4	11.4	10.5
92.5°	63.7	73.2	94.1	132.1	176.7	195.7	146.3	96.0	65.6	57.0	48.5
95°	181.5	231.8	342.0	457.0	563.4	501.6	345.8	204.3	123.5	105.0	86.5
97.5°	467.4	592.8	785.7	895.9	866.5	647.0	384.8	220.4	140.6	120.2	99.8
100°	932.0	1043.2	1120.1	1086.9	899.7	608.0	358.2	217.6	151.1	132.6	114.0
102.5°	1194.2	1247.4	1231.3	1096.4	838.0	551.0	335.4	221.4	163.4	146.8	130.2
105°	1348.2	1330.1	1235.1	1036.5	763.9	506.4	326.8	229.0	177.7	163.0	148.2
107.5°	1401.4	1327.3	1178.1	951.0	698.3	474.1	324.9	241.3	195.7	182.0	168.2
110°	1383.3	1263.6	1088.8	871.2	644.2	457.0	329.7	257.5	214.7	201.4	188.1

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1317.8	1180.0	1000.4	801.9	608.0	447.5	339.2	273.6	234.7	221.8	209.0
115°	1229.4	1089.7	924.4	748.7	584.3	446.5	349.6	291.7	255.6	242.8	229.9
117.5°	1140.1	1011.8	865.5	713.5	568.1	447.5	362.9	310.7	274.6	262.7	250.8
120°	1063.1	949.1	820.9	686.9	557.7	451.3	378.1	328.7	294.5	282.6	270.8
122.5°	1002.3	898.8	785.7	665.1	551.0	457.9	392.4	347.7	314.5	301.6	288.8
125°	950.1	858.9	755.3	647.0	545.3	464.6	407.6	365.8	332.5	319.7	306.9
127.5°	905.4	821.8	727.8	629.9	542.5	472.2	419.9	381.9	349.6	336.8	324.0
130°	864.6	787.6	702.1	616.6	539.6	479.8	432.3	396.2	364.8	352.0	339.2
132.5°	825.6	755.3	678.4	604.2	538.7	485.5	443.7	408.5	378.1	365.8	353.4
135°	786.7	724.9	657.5	593.8	537.7	491.2	453.2	420.9	391.4	378.6	365.8
137.5°	749.6	694.5	637.5	584.3	535.8	495.0	460.8	429.4	400.9	389.0	377.2
140°	714.5	668.9	620.4	575.7	534.9	498.8	466.5	438.0	410.4	398.5	386.7
142.5°	682.2	644.2	604.2	568.1	533.0	501.6	472.2	444.6	418.0	407.1	396.2
145°	653.7	623.2	591.9	561.5	531.1	502.6	476.0	450.3	425.6	414.7	403.8
147.5°	632.8	607.1	581.4	554.8	528.2	502.6	478.8	455.1	432.3	422.8	413.3
150°	611.8	591.9	570.0	548.2	524.4	502.6	479.8	459.8	438.0	429.4	420.9
152.5°	594.7	577.6	559.6	540.6	519.7	499.7	481.7	462.7	444.6	436.6	428.5
155°	578.6	564.3	549.1	533.0	514.0	497.8	481.7	466.5	450.3	443.6	437.0
157.5°	562.4	551.0	537.7	524.4	509.2	495.0	482.6	468.4	455.1	449.8	444.6
160°	548.2	538.7	528.2	515.9	503.5	493.1	482.6	471.2	459.8	455.0	450.3
162.5°	533.9	525.4	516.8	507.3	497.8	489.3	481.7	472.2	462.7	458.9	455.1
165°	519.7	513.0	507.3	499.7	492.1	485.5	479.8	473.1	465.5	462.2	458.9
167.5°	507.3	503.5	498.8	492.1	486.4	481.7	478.8	473.1	467.4	465.0	462.7
170°	496.9	493.1	490.2	485.5	480.7	477.9	476.0	472.2	467.4	466.4	465.5
172.5°	487.4	484.5	482.6	478.8	476.0	475.0	475.0	472.2	468.4	467.9	467.4
175°	478.8	476.9	476.0	474.1	472.2	472.2	473.1	471.2	469.3	468.8	468.4
177.5°	473.1	472.2	471.2	470.3	469.3	470.3	472.2	470.3	469.3	469.3	469.3
180°	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3	469.3

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	449.9	449.9	449.9	449.9
2.5°	440.4	441.7	446.0	451.3
5°	431.6	435.1	441.2	449.5
7.5°	422.0	427.3	436.0	446.5
10°	411.1	418.6	429.5	442.5
12.5°	399.4	409.0	422.9	436.4
15°	392.0	401.5	414.2	429.0
17.5°	377.6	388.9	402.0	422.9
20°	362.7	375.4	392.4	413.3
22.5°	351.4	364.9	381.1	403.3
25°	337.9	351.8	369.3	392.4
27.5°	323.5	337.5	357.1	381.5
30°	312.6	326.1	344.9	371.0
32.5°	299.5	312.6	332.2	359.7
35°	284.7	299.5	318.3	346.2
37.5°	273.4	286.9	306.5	333.1
40°	261.2	272.9	292.1	318.3
42.5°	248.1	261.2	277.7	303.9
45°	235.9	245.5	262.5	287.3
47.5°	222.8	233.7	246.8	266.0
50°	208.8	218.0	232.4	245.5
52.5°	195.3	202.7	214.9	225.0
55°	180.9	188.3	197.5	203.6
57.5°	167.4	172.7	178.8	182.7
60°	150.9	156.1	160.0	163.9
62.5°	136.0	140.0	142.1	144.3
65°	120.8	122.9	124.3	126.0
67.5°	104.2	106.4	106.8	109.4
70°	88.9	89.4	90.3	91.6
72.5°	74.6	75.4	75.0	75.9
75°	59.7	60.6	59.7	60.6
77.5°	45.3	46.2	46.2	47.5
80°	32.7	33.1	33.6	33.6
82.5°	21.4	22.7	21.8	22.2
85°	12.2	12.6	12.6	13.1
87.5°	5.7	6.1	5.7	6.5
90°	8.6	5.7	3.8	1.9
92.5°	39.0	30.4	20.9	14.3
95°	61.8	45.6	35.2	32.3
97.5°	75.1	60.8	52.3	51.3
100°	91.2	77.9	71.3	70.3
102.5°	110.2	97.9	92.2	90.3
105°	130.2	118.8	113.1	110.2
107.5°	151.1	139.7	134.0	131.1
110°	172.0	161.5	156.8	153.9

TEST NUMBER: P1011495

CATALOG NUMBER: S123DIP-B340D1025UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	192.9	182.4	177.7	174.8
115°	213.8	204.3	198.6	194.8
117.5°	232.8	224.2	219.5	214.7
120°	252.7	243.2	238.5	235.6
122.5°	271.7	261.3	256.5	253.7
125°	288.8	278.4	272.7	270.8
127.5°	304.0	293.6	286.9	284.1
130°	319.2	307.8	299.3	296.4
132.5°	333.5	319.2	309.7	305.9
135°	345.8	331.6	321.1	317.3
137.5°	357.2	342.0	331.6	327.8
140°	367.7	352.5	343.0	338.2
142.5°	377.2	363.9	353.4	349.6
145°	387.6	373.4	364.8	362.0
147.5°	397.1	384.8	376.2	374.3
150°	407.6	395.2	387.6	386.7
152.5°	417.1	406.6	399.0	399.0
155°	426.6	417.1	411.4	411.4
157.5°	435.1	426.6	421.8	420.9
160°	443.7	436.1	432.3	432.3
162.5°	449.4	443.7	440.8	440.8
165°	455.1	450.3	448.4	449.4
167.5°	459.8	456.0	455.1	456.0
170°	463.6	460.8	459.8	461.7
172.5°	466.5	464.6	464.6	465.5
175°	468.4	466.5	467.4	468.4
177.5°	469.3	468.4	469.3	470.3
180°	469.3	469.3	469.3	469.3

(END OF REPORT)