

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: P1011653

Luminaire Tested: S123DIP-B340D805UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011653
REPORT IS A COMBINATION OF REPORTS P989894 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D805UB35-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

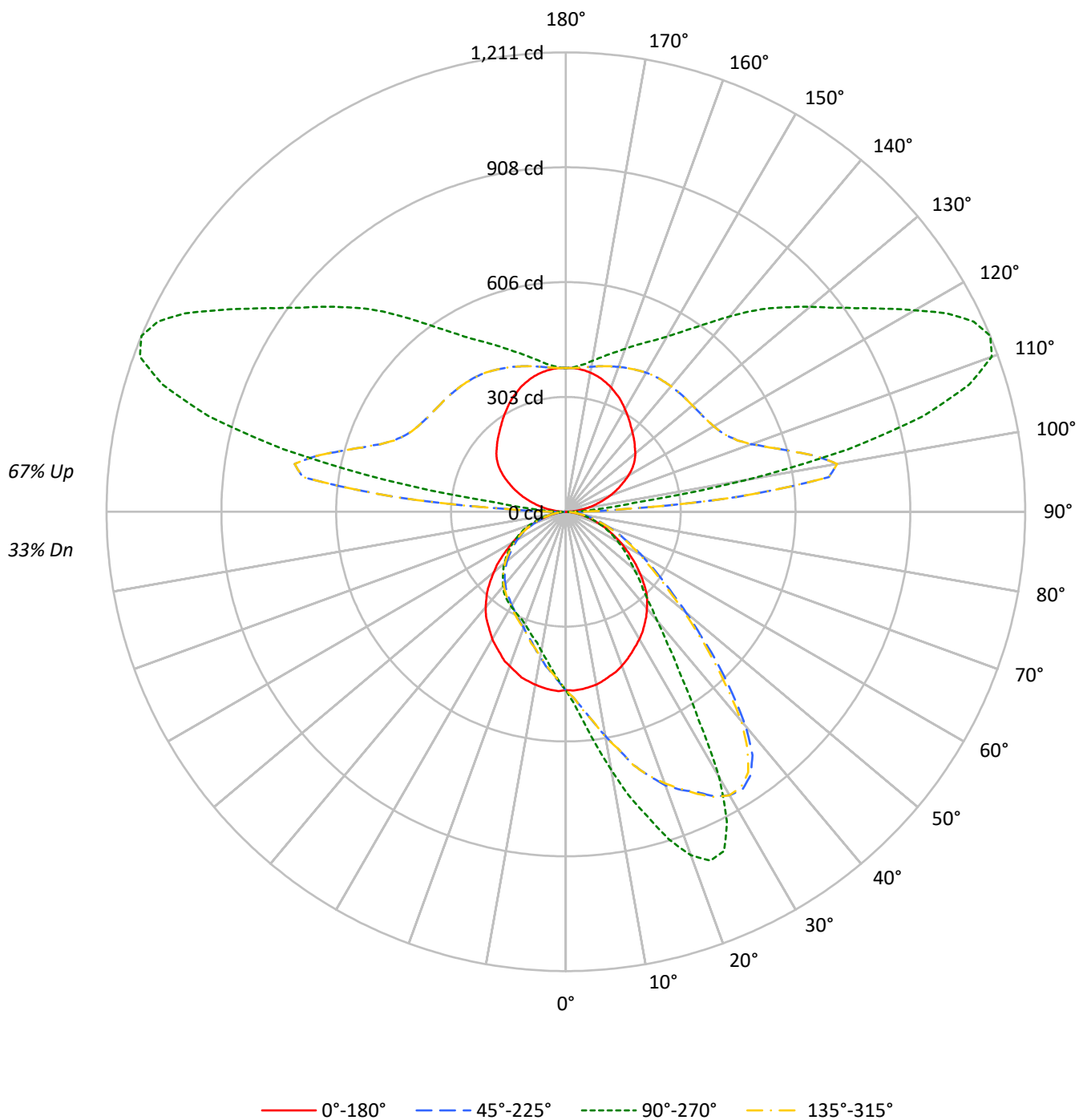
Lumens per Lamp: N/A
Luminaire Lumens: 4271.0 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	33						
1	94	90	86	83	85	81	78	75	65	63	61	50	49	47	36	35	35	28						
2	86	79	73	68	77	71	66	62	57	54	51	44	42	40	32	31	29	24						
3	78	69	62	57	70	63	57	52	51	46	43	39	36	34	29	27	25	21						
4	72	61	54	48	64	56	49	44	45	40	36	35	32	29	26	24	22	18						
5	66	55	47	41	59	50	43	38	40	35	31	31	28	25	23	21	19	15						
6	61	49	41	36	54	44	38	33	36	31	27	28	25	22	21	19	17	14						
7	56	44	36	31	50	40	33	29	33	28	24	26	22	19	19	17	15	12						
8	52	40	32	27	47	36	30	25	30	25	21	23	20	17	18	15	13	11						
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10						
10	45	33	26	22	40	30	24	20	25	20	17	20	16	14	15	13	11	9						

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5061	5061	5061	5061
5°	5064	5831	5079	4352
10°	5032	7056	5037	3800
15°	4962	8368	5002	3421
20°	4903	9634	4913	3148
25°	4813	9878	4824	3005
30°	4750	8161	4750	2912
35°	4671	5458	4641	2829
40°	4577	3940	4521	2703
45°	4458	3121	4331	2547
50°	4171	2650	4023	2392
55°	3856	2329	3698	2220
60°	3535	2028	3347	2040
65°	3184	1736	3029	1799
70°	2818	1441	2630	1516
75°	2408	1086	2252	1171
80°	1906	726	1754	768
85°	1316	332	1047	304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 8162 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	1.1
10°-20°	148.5	3.5
20°-30°	249.9	5.9
30°-40°	282.4	6.6
40°-50°	252.9	5.9
50°-60°	204.2	4.8
60°-70°	142.3	3.3
70°-80°	74.7	1.7
80°-90°	20.0	0.5
90°-100°	205.6	4.8
100°-110°	601.9	14.1
110°-120°	587.8	13.8
120°-130°	468.1	11.0
130°-140°	369.3	8.6
140°-150°	275.5	6.5
150°-160°	192.1	4.5
160°-170°	112.8	2.6
170°-180°	36.7	0.9
0°-30°	444.6	10.4
0°-40°	727.0	17.0
0°-60°	1184.1	27.7
0°-90°	1421.1	33.3
90°-120°	1395.3	32.7
90°-150°	2508.2	58.7
90°-180°	2850.0	66.7
0°-180°	4271.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	470	470	470	470	470	
5°	470	558	471	417	470	45
15°	448	831	452	340	448	127
25°	410	987	411	300	410	189
35°	362	532	359	276	362	226
45°	300	287	292	234	300	230
55°	213	195	204	186	213	191
65°	132	127	125	131	132	131
75°	63	65	59	70	63	68
85°	14	15	11	14	14	16
90°	2	22	2	22	2	3
95°	26	89	26	89	26	28
105°	89	976	89	976	89	94
115°	157	1186	157	1186	157	156
125°	219	936	219	936	219	194
135°	256	758	256	758	256	198
145°	292	593	292	593	292	183
155°	332	492	332	492	332	153
165°	363	429	363	429	363	102
175°	378	386	378	386	378	36
180°	379	379	379	379	379	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	471.5	475.2	477.0	479.7	482.5	486.6	487.9	490.2	489.3	491.1	492.0
5°	469.7	476.1	481.5	488.4	494.8	499.3	503.9	511.2	516.6	517.5	521.6
7.5°	466.5	475.6	485.2	494.8	507.1	514.3	522.5	532.6	540.8	554.0	559.0
10°	462.4	475.2	488.8	502.0	518.9	530.3	540.3	557.2	574.0	587.7	600.4
12.5°	456.0	472.0	489.7	509.3	531.2	544.4	558.1	580.4	605.9	626.9	640.5
15°	448.3	468.3	491.1	512.1	536.2	560.8	575.4	600.4	636.9	656.5	691.6
17.5°	441.9	462.4	485.2	518.0	550.8	575.4	585.9	631.9	656.9	689.7	729.4
20°	431.9	457.9	487.0	519.8	562.2	577.2	598.6	645.1	676.1	718.9	767.6
22.5°	421.4	449.2	484.3	518.4	565.8	581.8	610.9	647.8	697.0	739.4	793.2
25°	410.0	440.1	475.6	516.2	562.6	585.9	613.2	658.8	712.1	765.4	815.0
27.5°	398.6	431.4	468.3	508.9	554.0	581.3	608.6	656.0	724.4	782.2	845.5
30°	387.7	420.5	457.4	498.9	546.2	572.7	598.6	657.9	733.9	799.1	862.9
32.5°	375.8	409.6	448.3	482.9	530.7	559.0	588.1	657.9	739.9	809.1	867.4
35°	361.7	396.4	429.6	464.2	511.6	543.0	575.8	653.3	745.3	812.3	848.3
37.5°	348.1	378.6	407.3	441.0	490.7	524.4	562.2	647.8	742.6	798.6	808.6
40°	332.6	363.1	386.3	417.8	470.2	509.3	547.6	640.5	730.7	766.3	737.1
42.5°	317.5	341.7	361.7	392.3	449.2	487.5	528.9	627.3	707.5	714.8	649.2
45°	300.2	317.5	335.3	369.9	426.4	465.6	511.6	608.2	670.2	649.2	566.3
47.5°	277.9	293.4	313.0	344.9	402.3	442.8	486.6	583.6	615.9	572.2	481.5
50°	256.5	269.7	287.9	318.9	376.8	416.4	462.9	544.9	560.8	492.0	415.0
52.5°	235.1	245.1	262.9	293.8	351.7	390.0	432.3	505.2	496.1	422.3	354.0
55°	212.8	221.4	238.3	268.8	322.5	359.0	399.5	456.5	432.8	362.6	308.0
57.5°	190.9	200.0	217.3	242.8	293.4	328.9	361.3	405.9	370.4	314.3	266.1
60°	171.3	179.0	192.3	217.3	263.3	292.0	321.6	352.2	322.5	268.3	231.4
62.5°	150.8	158.1	170.4	193.2	232.8	258.3	282.0	307.1	274.3	234.6	201.8
65°	131.7	137.6	149.0	169.9	202.3	223.2	242.4	259.7	233.3	196.8	172.2
67.5°	114.3	119.4	128.9	147.6	174.9	190.0	205.5	220.0	197.7	168.6	147.6
70°	95.7	99.8	108.4	122.1	144.0	159.5	170.8	181.8	161.7	138.5	124.4
72.5°	79.3	83.4	88.8	103.0	118.0	127.6	139.9	145.8	134.4	115.3	101.1
75°	63.3	66.5	71.5	80.6	94.8	101.1	108.9	113.4	103.0	90.2	81.5
77.5°	49.7	51.0	54.7	61.0	70.6	77.9	83.8	86.6	79.3	71.1	63.8
80°	35.1	36.9	39.6	45.1	52.4	54.7	58.3	61.5	56.9	49.7	45.1
82.5°	23.2	25.5	26.9	29.2	33.7	36.4	37.4	40.1	36.0	33.3	31.4
85°	13.7	14.6	15.0	16.4	18.7	20.0	21.4	21.9	21.0	20.5	18.7
87.5°	6.8	6.8	6.8	7.7	8.2	9.1	9.6	9.6	9.6	9.1	8.7
90°	1.5	3.1	4.6	6.9	8.4	9.2	10.0	12.3	14.6	16.9	19.2
92.5°	11.5	16.9	24.5	31.4	39.1	46.0	52.9	77.5	118.1	158.0	142.7
95°	26.1	28.4	36.8	49.9	69.8	84.8	99.7	164.9	279.2	404.9	454.8
97.5°	41.4	42.2	49.1	60.6	80.5	97.0	113.5	177.9	310.6	522.3	699.5
100°	56.8	57.5	62.9	73.6	92.0	107.0	121.9	175.6	289.1	490.8	726.3
102.5°	72.9	74.4	79.0	89.0	105.1	118.5	131.9	178.7	270.7	444.8	676.4
105°	89.0	91.3	95.9	105.1	119.6	131.5	143.4	184.8	263.8	408.8	616.6
107.5°	105.8	108.1	112.7	121.9	135.7	146.8	158.0	194.8	262.3	382.7	563.7
110°	124.2	126.5	130.4	138.8	151.9	162.6	173.3	207.8	266.1	368.9	520.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	141.1	143.4	147.3	155.7	168.7	179.0	189.4	220.9	273.8	361.2	490.8
115°	157.2	160.3	164.9	172.6	185.6	196.0	206.3	235.5	282.2	360.5	471.7
117.5°	173.3	177.2	181.0	187.9	202.5	212.0	221.6	250.8	293.0	361.2	458.6
120°	190.2	192.5	196.3	204.0	218.6	228.2	237.8	265.4	305.2	364.3	450.2
122.5°	204.8	207.1	210.9	219.3	233.2	243.6	253.9	280.7	316.7	369.7	444.8
125°	218.6	220.1	224.7	233.2	247.7	258.0	268.4	295.3	329.0	375.0	440.2
127.5°	229.3	231.6	237.0	245.4	261.5	271.8	282.2	308.3	339.0	381.2	437.9
130°	239.3	241.6	248.5	257.7	273.8	284.2	294.5	319.8	349.0	387.3	435.6
132.5°	247.0	250.0	257.7	269.2	285.3	295.2	305.2	329.8	358.2	391.9	434.9
135°	256.2	259.2	267.7	279.2	295.3	305.6	316.0	339.8	365.8	396.5	434.1
137.5°	264.6	267.7	276.1	288.4	304.5	314.1	323.7	346.7	372.0	399.6	432.6
140°	273.0	276.9	284.5	296.8	312.1	321.7	331.3	353.6	376.6	402.6	431.8
142.5°	282.2	285.3	293.7	304.5	319.8	328.6	337.5	358.9	381.2	404.9	430.3
145°	292.2	294.5	301.4	312.9	326.0	334.8	343.6	363.5	384.2	405.7	428.7
147.5°	302.2	303.7	310.6	320.6	333.6	341.3	349.0	367.4	386.5	405.7	426.4
150°	312.1	312.9	319.0	329.0	339.8	346.7	353.6	371.2	387.3	405.7	423.4
152.5°	322.1	322.1	328.3	336.7	345.9	352.4	358.9	373.5	388.8	403.4	419.5
155°	332.1	332.1	336.7	344.4	352.8	358.2	363.5	376.6	388.8	401.9	414.9
157.5°	339.8	340.5	344.4	351.3	358.9	363.2	367.4	378.1	389.6	399.6	411.1
160°	349.0	349.0	352.0	358.2	363.5	367.4	371.2	380.4	389.6	398.0	406.5
162.5°	355.9	355.9	358.2	362.8	367.4	370.4	373.5	381.2	388.8	395.0	401.9
165°	362.8	362.0	363.5	367.4	370.4	373.1	375.8	381.9	387.3	391.9	397.3
167.5°	368.1	367.4	368.1	371.2	373.5	375.4	377.3	381.9	386.5	388.8	392.7
170°	372.7	371.2	372.0	374.3	375.8	376.6	377.3	381.2	384.2	385.8	388.1
172.5°	375.8	375.0	375.0	376.6	377.3	377.7	378.1	381.2	383.5	383.5	384.2
175°	378.1	377.3	376.6	378.1	378.1	378.5	378.9	380.4	381.9	381.2	381.2
177.5°	379.6	378.9	378.1	378.9	378.9	378.9	378.9	379.6	381.2	379.6	378.9
180°	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	495.2	496.1	499.3	501.6	506.1	505.7	505.7	505.2	503.9	506.1	507.5
5°	529.8	537.6	538.5	548.5	549.0	553.1	555.8	553.5	559.0	558.5	554.4
7.5°	572.7	583.1	588.1	597.7	608.6	605.9	616.4	618.2	617.3	621.9	625.0
10°	619.6	637.8	650.6	668.3	672.9	675.6	682.5	688.4	700.2	691.1	697.0
12.5°	673.3	686.6	703.4	731.7	745.8	754.9	758.1	762.2	770.4	765.4	765.8
15°	718.4	736.2	764.9	800.0	804.1	815.5	812.7	837.3	849.2	831.4	841.4
17.5°	765.4	789.1	823.2	853.7	871.1	878.8	886.1	909.8	908.9	906.1	908.4
20°	795.4	834.2	876.5	917.1	922.1	928.0	947.6	957.6	955.8	963.5	968.6
22.5°	837.8	878.8	923.9	950.8	962.2	969.0	984.5	990.9	993.6	995.4	992.2
25°	873.3	917.1	950.3	974.0	980.9	984.5	989.5	991.3	990.0	986.8	989.5
27.5°	897.5	932.6	955.3	966.3	962.6	956.7	947.1	940.8	926.6	919.8	928.0
30°	907.5	923.0	929.8	911.6	893.4	878.8	860.6	826.9	800.4	808.2	797.7
32.5°	891.6	881.5	848.7	801.8	787.7	764.0	712.5	672.9	674.3	653.3	662.0
35°	844.6	799.1	737.1	666.1	647.4	634.6	578.1	569.5	551.2	531.7	537.1
37.5°	761.7	695.2	620.0	567.6	539.9	512.1	480.2	461.0	450.1	441.9	448.3
40°	660.6	579.5	517.5	470.6	446.9	429.2	407.3	388.2	375.8	374.5	376.8
42.5°	561.3	492.9	436.0	391.3	383.6	362.6	348.5	333.5	329.8	323.9	327.1
45°	475.2	419.6	372.7	336.2	327.1	321.6	304.3	294.8	290.7	287.0	292.5
47.5°	412.8	354.4	320.3	298.4	289.3	280.2	270.6	264.2	261.0	261.5	261.0
50°	352.6	309.8	279.7	262.9	257.4	251.0	243.3	239.2	237.8	233.7	236.9
52.5°	303.4	272.4	251.5	235.5	231.4	226.9	220.5	218.2	215.0	214.1	214.1
55°	263.8	239.6	222.8	212.3	207.3	203.6	200.0	197.3	195.0	195.0	195.0
57.5°	232.8	211.8	199.5	190.4	188.6	185.0	180.9	180.9	177.7	177.2	178.6
60°	206.4	187.7	178.1	170.4	167.7	166.7	162.6	162.6	161.7	159.5	161.3
62.5°	179.5	165.8	157.6	151.7	149.0	149.0	145.8	143.5	143.5	144.0	143.1
65°	154.9	144.9	137.6	133.0	131.7	129.8	129.4	127.6	126.2	126.6	126.2
67.5°	133.0	125.3	120.3	116.6	114.3	113.4	112.1	112.1	111.2	111.6	109.3
70°	113.4	105.7	101.6	97.9	97.0	97.0	95.2	95.7	94.8	96.1	95.2
72.5°	93.4	87.5	84.3	82.9	82.0	81.5	80.6	79.7	79.3	80.2	79.7
75°	75.6	70.6	68.3	67.4	66.5	66.5	66.1	65.6	65.1	65.1	65.1
77.5°	58.8	55.6	52.8	53.8	52.4	52.8	51.5	51.5	51.9	51.5	51.5
80°	43.3	41.0	41.0	40.1	38.3	39.2	39.2	37.8	37.4	38.3	36.9
82.5°	28.7	28.2	27.3	26.9	26.0	26.4	26.0	25.5	25.1	26.0	25.1
85°	16.9	16.9	16.4	15.5	16.4	15.9	15.5	15.5	15.0	15.0	15.0
87.5°	8.7	7.7	7.7	7.3	7.7	6.8	7.3	6.8	6.4	6.8	6.4
90°	18.4	19.2	19.9	20.7	21.4	22.2	21.5	22.2	23.0	22.2	23.0
92.5°	106.6	75.9	59.1	51.4	48.7	46.0	44.5	41.4	42.2	40.6	42.2
95°	368.9	276.1	187.1	146.5	132.7	118.9	104.3	97.4	92.0	89.0	92.0
97.5°	723.2	634.3	478.6	377.3	333.6	289.9	238.5	209.4	191.0	182.5	191.0
100°	877.4	904.2	842.1	752.4	698.0	643.5	566.0	510.0	480.1	480.9	480.1
102.5°	885.1	994.0	1007.0	964.0	934.5	905.0	849.0	807.6	783.8	761.6	783.8
105°	836.7	997.0	1073.7	1088.3	1078.4	1068.4	1033.1	1003.9	979.4	975.6	979.4
107.5°	767.7	951.0	1071.4	1131.2	1141.6	1152.0	1147.3	1133.5	1123.6	1115.1	1123.6
110°	703.3	878.9	1020.0	1116.7	1143.6	1170.4	1191.8	1198.0	1196.4	1194.9	1196.4

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	647.3	807.6	952.5	1063.8	1100.2	1136.6	1180.3	1202.6	1210.2	1211.0	1210.2
115°	604.4	746.2	879.7	992.4	1034.2	1076.0	1133.5	1167.3	1182.6	1186.5	1182.6
117.5°	576.0	698.7	816.8	920.3	963.6	1007.0	1066.8	1104.4	1127.4	1132.8	1127.4
120°	554.5	662.6	766.2	858.2	897.0	935.7	996.3	1039.2	1057.6	1062.2	1057.6
122.5°	536.9	634.3	725.5	809.1	844.4	879.7	931.8	969.4	990.1	996.3	990.1
125°	522.3	609.7	693.3	766.9	797.6	828.3	877.4	911.1	930.3	935.7	930.3
127.5°	508.5	587.5	663.4	730.9	759.3	787.7	832.1	861.3	878.9	883.5	878.9
130°	497.7	566.8	635.8	697.9	724.0	750.1	790.7	818.3	834.4	840.6	834.4
132.5°	487.8	547.6	609.7	666.5	691.0	715.6	753.1	780.7	794.6	798.4	794.6
135°	479.3	530.7	585.2	635.0	656.8	678.7	716.3	739.3	753.1	758.5	753.1
137.5°	471.7	514.6	560.6	605.1	624.7	644.2	676.4	700.2	711.7	716.3	711.7
140°	464.8	500.8	539.9	576.7	593.2	609.7	638.9	660.3	672.6	671.8	672.6
142.5°	458.6	487.8	520.0	550.7	564.5	578.3	602.1	620.5	631.2	630.4	631.2
145°	453.3	477.8	503.1	527.7	538.8	549.9	569.1	585.2	591.3	592.8	591.3
147.5°	447.9	469.4	490.1	510.8	518.8	526.9	542.2	553.7	559.9	560.6	559.9
150°	442.5	460.2	477.8	493.9	501.2	508.5	520.0	528.4	533.0	533.0	533.0
152.5°	436.4	451.7	466.3	480.1	485.8	491.6	500.0	507.7	510.0	510.0	510.0
155°	430.3	443.3	455.6	467.1	471.7	476.3	483.2	489.3	490.8	491.6	490.8
157.5°	423.4	434.1	444.8	454.0	457.8	461.7	467.8	472.4	474.0	474.0	474.0
160°	416.5	426.4	434.9	442.5	445.2	447.9	453.3	457.9	457.9	457.1	457.9
162.5°	409.5	417.2	424.1	431.0	433.3	435.6	438.7	442.5	442.5	441.8	442.5
165°	403.4	409.5	414.1	419.5	421.4	423.4	426.4	429.5	428.7	428.7	428.7
167.5°	397.3	402.6	406.5	409.5	411.0	412.6	414.1	416.5	415.7	415.7	415.7
170°	391.9	395.7	398.0	401.1	401.8	402.6	403.4	404.9	404.2	404.2	404.2
172.5°	386.5	389.6	391.1	393.4	393.8	394.2	394.2	395.7	394.2	393.4	394.2
175°	382.7	384.2	385.0	386.5	386.5	386.5	386.5	387.3	386.5	385.8	386.5
177.5°	379.6	380.4	381.2	381.9	381.9	381.9	381.2	381.9	380.4	380.4	380.4
180°	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	503.9	505.2	501.6	500.7	500.7	502.5	501.1	488.8	491.1	488.4	487.5
5°	559.4	556.7	553.1	551.2	549.0	542.6	542.1	528.0	525.3	516.2	512.1
7.5°	620.5	618.2	607.3	605.9	605.0	599.1	584.0	569.0	558.1	547.6	537.6
10°	690.2	683.4	678.4	668.3	663.3	655.1	635.5	621.4	602.7	586.8	565.8
12.5°	774.0	766.3	749.4	742.1	735.8	713.0	693.4	677.4	641.0	630.1	604.1
15°	835.5	819.1	817.3	801.4	800.4	775.4	738.0	720.7	692.5	652.4	625.5
17.5°	902.0	887.5	876.1	856.9	854.2	830.5	803.2	760.8	729.8	691.6	657.4
20°	950.8	943.0	923.5	915.7	899.8	879.7	851.5	799.1	761.3	723.0	681.1
22.5°	989.5	981.8	966.3	955.8	946.7	920.7	887.0	842.4	790.4	740.3	697.0
25°	989.1	986.8	980.4	975.4	968.6	949.4	921.2	878.3	820.5	765.4	705.2
27.5°	933.0	939.4	950.3	955.8	954.4	951.7	935.8	899.8	847.8	782.2	714.8
30°	816.4	839.6	860.1	887.5	895.7	915.7	924.8	904.3	862.9	801.8	727.1
32.5°	677.0	710.7	755.3	770.4	796.3	835.1	878.3	886.1	860.1	813.2	734.8
35°	555.3	583.1	617.8	641.5	664.7	727.6	782.2	829.6	838.3	807.3	733.0
37.5°	459.7	479.3	509.8	529.8	551.2	605.0	681.5	743.0	786.3	787.2	728.0
40°	390.4	399.1	425.5	440.1	460.6	507.1	575.4	655.6	718.9	748.1	714.8
42.5°	330.7	342.1	364.0	374.9	388.2	428.7	473.8	549.9	628.2	690.7	690.2
45°	295.2	303.4	313.4	322.5	337.6	361.7	413.2	470.2	545.3	615.9	643.7
47.5°	263.8	271.5	281.5	284.3	294.3	317.1	348.5	398.2	468.3	538.5	590.9
50°	237.4	243.7	250.6	255.6	260.1	278.8	302.5	344.4	400.5	468.3	533.5
52.5°	216.9	221.4	227.3	230.1	234.2	247.8	266.1	297.0	343.0	405.0	468.3
55°	197.7	200.9	204.6	209.1	210.9	221.0	235.1	261.5	295.7	351.2	411.4
57.5°	180.0	181.3	183.6	186.3	188.6	197.3	209.6	227.3	257.4	300.2	357.2
60°	159.9	163.6	164.9	167.7	169.0	175.9	185.4	200.5	223.7	260.6	303.4
62.5°	143.1	145.3	147.6	149.0	152.2	154.4	162.2	175.9	195.0	222.3	261.0
65°	128.0	128.9	130.3	131.7	132.6	135.3	142.6	151.7	166.3	190.4	220.5
67.5°	110.7	111.6	113.4	113.9	114.8	118.4	122.5	130.3	142.6	160.8	185.4
70°	93.8	95.2	96.1	97.0	98.4	99.8	104.3	110.7	120.3	133.0	152.2
72.5°	79.3	80.6	80.6	81.5	81.1	82.9	87.5	92.0	98.4	108.9	125.7
75°	64.7	64.7	65.6	66.1	66.5	68.3	70.2	73.8	78.8	87.0	97.5
77.5°	51.0	50.6	51.5	51.5	51.5	52.8	54.7	56.5	59.7	65.6	73.8
80°	37.4	37.4	38.3	38.7	37.8	38.3	39.2	41.0	43.3	47.4	51.9
82.5°	24.6	26.4	26.0	26.4	26.0	26.9	27.3	27.8	28.7	30.5	33.7
85°	15.0	15.0	15.0	15.5	15.0	15.5	15.5	15.5	15.9	16.9	18.2
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°	22.2	21.5	22.2	21.4	20.7	19.9	19.2	18.4	19.2	16.9	14.6
92.5°	41.4	44.5	46.0	48.7	51.4	59.1	75.9	106.6	142.7	158.0	118.1
95°	97.4	104.3	118.9	132.7	146.5	187.1	276.1	368.9	454.8	404.9	279.2
97.5°	209.4	238.5	289.9	333.6	377.3	478.6	634.3	723.2	699.5	522.3	310.6
100°	510.0	566.0	643.5	698.0	752.4	842.1	904.2	877.4	726.3	490.8	289.1
102.5°	807.6	849.0	905.0	934.5	964.0	1007.0	994.0	885.1	676.4	444.8	270.7
105°	1003.9	1033.1	1068.4	1078.4	1088.3	1073.7	997.0	836.7	616.6	408.8	263.8
107.5°	1133.5	1147.3	1152.0	1141.6	1131.2	1071.4	951.0	767.7	563.7	382.7	262.3
110°	1198.0	1191.8	1170.4	1143.6	1116.7	1020.0	878.9	703.3	520.0	368.9	266.1

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1202.6	1180.3	1136.6	1100.2	1063.8	952.5	807.6	647.3	490.8	361.2	273.8
115°	1167.3	1133.5	1076.0	1034.2	992.4	879.7	746.2	604.4	471.7	360.5	282.2
117.5°	1104.4	1066.8	1007.0	963.6	920.3	816.8	698.7	576.0	458.6	361.2	293.0
120°	1039.2	996.3	935.7	897.0	858.2	766.2	662.6	554.5	450.2	364.3	305.2
122.5°	969.4	931.8	879.7	844.4	809.1	725.5	634.3	536.9	444.8	369.7	316.7
125°	911.1	877.4	828.3	797.6	766.9	693.3	609.7	522.3	440.2	375.0	329.0
127.5°	861.3	832.1	787.7	759.3	730.9	663.4	587.5	508.5	437.9	381.2	339.0
130°	818.3	790.7	750.1	724.0	697.9	635.8	566.8	497.7	435.6	387.3	349.0
132.5°	780.7	753.1	715.6	691.0	666.5	609.7	547.6	487.8	434.9	391.9	358.2
135°	739.3	716.3	678.7	656.8	635.0	585.2	530.7	479.3	434.1	396.5	365.8
137.5°	700.2	676.4	644.2	624.7	605.1	560.6	514.6	471.7	432.6	399.6	372.0
140°	660.3	638.9	609.7	593.2	576.7	539.9	500.8	464.8	431.8	402.6	376.6
142.5°	620.5	602.1	578.3	564.5	550.7	520.0	487.8	458.6	430.3	404.9	381.2
145°	585.2	569.1	549.9	538.8	527.7	503.1	477.8	453.3	428.7	405.7	384.2
147.5°	553.7	542.2	526.9	518.8	510.8	490.1	469.4	447.9	426.4	405.7	386.5
150°	528.4	520.0	508.5	501.2	493.9	477.8	460.2	442.5	423.4	405.7	387.3
152.5°	507.7	500.0	491.6	485.8	480.1	466.3	451.7	436.4	419.5	403.4	388.8
155°	489.3	483.2	476.3	471.7	467.1	455.6	443.3	430.3	414.9	401.9	388.8
157.5°	472.4	467.8	461.7	457.8	454.0	444.8	434.1	423.4	411.1	399.6	389.6
160°	457.9	453.3	447.9	445.2	442.5	434.9	426.4	416.5	406.5	398.0	389.6
162.5°	442.5	438.7	435.6	433.3	431.0	424.1	417.2	409.5	401.9	395.0	388.8
165°	429.5	426.4	423.4	421.4	419.5	414.1	409.5	403.4	397.3	391.9	387.3
167.5°	416.5	414.1	412.6	411.0	409.5	406.5	402.6	397.3	392.7	388.8	386.5
170°	404.9	403.4	402.6	401.8	401.1	398.0	395.7	391.9	388.1	385.8	384.2
172.5°	395.7	394.2	394.2	393.8	393.4	391.1	389.6	386.5	384.2	383.5	383.5
175°	387.3	386.5	386.5	386.5	386.5	385.0	384.2	382.7	381.2	381.2	381.9
177.5°	381.9	381.2	381.9	381.9	381.9	381.2	380.4	379.6	378.9	379.6	381.2
180°	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	482.9	481.5	481.5	480.6	477.9	472.9	472.4	473.3	470.6	467.9	463.8
5°	506.6	497.9	495.2	492.5	487.0	477.9	474.3	471.1	466.1	460.1	453.8
7.5°	526.6	514.3	510.7	505.7	494.8	482.0	473.8	467.0	460.1	451.9	444.2
10°	551.7	533.9	525.3	518.0	503.0	485.2	472.9	462.9	451.9	441.9	431.9
12.5°	579.9	551.2	548.5	530.7	513.4	487.0	472.0	457.4	442.8	430.5	420.0
15°	603.6	572.2	560.8	549.0	515.7	482.9	468.3	451.9	435.1	421.9	406.4
17.5°	618.7	592.7	568.6	552.6	518.0	488.8	460.6	441.9	424.1	405.9	393.2
20°	636.9	599.1	578.1	556.7	522.5	484.3	456.0	432.8	410.9	394.5	379.0
22.5°	655.1	604.1	586.8	563.5	523.5	479.7	447.8	424.6	399.5	383.1	366.3
25°	653.3	611.4	582.7	563.1	514.3	475.6	438.3	410.9	387.7	366.7	349.9
27.5°	654.7	603.2	574.0	551.2	508.0	469.7	428.2	399.5	375.4	353.5	335.8
30°	655.1	590.9	565.4	538.0	496.1	455.6	416.9	387.7	362.2	338.5	322.5
32.5°	653.8	580.9	549.0	524.4	477.4	441.9	403.6	372.7	346.7	324.8	309.8
35°	650.6	569.0	532.1	501.1	458.3	422.3	391.3	359.4	331.7	311.6	294.3
37.5°	641.9	556.3	514.3	483.8	436.0	399.5	372.2	345.8	318.9	295.2	280.6
40°	635.5	538.9	496.6	463.3	411.8	376.3	353.5	328.5	302.0	280.6	266.5
42.5°	620.9	522.5	478.4	438.7	388.2	351.7	330.3	310.2	287.5	266.5	253.8
45°	597.3	504.8	456.0	415.9	362.2	327.6	308.0	291.6	271.5	251.5	238.7
47.5°	564.0	479.3	432.3	392.3	336.7	301.6	282.0	269.7	253.8	236.9	226.0
50°	528.0	451.5	408.2	368.6	312.1	277.9	258.8	247.4	236.9	221.4	210.9
52.5°	481.1	421.9	380.4	342.6	285.6	252.8	236.0	227.8	216.9	205.9	196.8
55°	435.5	383.6	349.4	313.4	259.7	229.2	212.8	204.1	197.7	188.6	181.3
57.5°	382.7	348.1	316.6	283.8	235.5	207.7	192.3	181.8	177.7	173.6	166.7
60°	333.9	307.5	282.0	254.7	210.5	185.4	170.4	162.2	158.1	155.4	150.8
62.5°	289.3	268.8	246.9	225.1	185.0	162.2	150.8	142.6	139.0	138.5	134.4
65°	246.5	231.9	214.1	192.7	161.3	141.2	130.3	125.3	121.2	121.2	118.0
67.5°	203.6	193.6	179.5	164.5	139.9	121.2	111.2	106.6	104.3	104.3	102.0
70°	169.5	162.6	149.9	136.7	115.3	101.1	93.4	89.3	87.9	88.4	86.6
72.5°	137.6	130.3	119.8	110.2	94.3	83.8	78.4	73.8	71.5	72.0	71.5
75°	106.6	103.0	93.8	86.6	73.8	66.5	61.5	59.2	57.4	57.9	56.9
77.5°	80.2	74.7	69.7	64.7	56.9	51.0	46.9	44.6	43.3	43.3	43.3
80°	54.7	53.8	49.7	46.9	40.5	36.0	32.8	32.3	31.0	31.0	31.0
82.5°	35.5	33.3	31.0	29.2	25.5	22.8	21.4	20.5	20.0	19.6	20.5
85°	19.6	18.2	17.3	15.5	14.1	12.8	11.4	10.9	10.5	10.9	10.5
87.5°	7.7	6.4	6.4	5.9	5.5	5.0	5.0	4.1	4.1	3.6	3.6
90°	12.3	10.0	9.2	8.4	6.9	4.6	3.1	1.5	3.1	4.6	6.9
92.5°	77.5	52.9	46.0	39.1	31.4	24.5	16.9	11.5	16.9	24.5	31.4
95°	164.9	99.7	84.8	69.8	49.9	36.8	28.4	26.1	28.4	36.8	49.9
97.5°	177.9	113.5	97.0	80.5	60.6	49.1	42.2	41.4	42.2	49.1	60.6
100°	175.6	121.9	107.0	92.0	73.6	62.9	57.5	56.8	57.5	62.9	73.6
102.5°	178.7	131.9	118.5	105.1	89.0	79.0	74.4	72.9	74.4	79.0	89.0
105°	184.8	143.4	131.5	119.6	105.1	95.9	91.3	89.0	91.3	95.9	105.1
107.5°	194.8	158.0	146.8	135.7	121.9	112.7	108.1	105.8	108.1	112.7	121.9
110°	207.8	173.3	162.6	151.9	138.8	130.4	126.5	124.2	126.5	130.4	138.8

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	220.9	189.4	179.0	168.7	155.7	147.3	143.4	141.1	143.4	147.3	155.7
115°	235.5	206.3	196.0	185.6	172.6	164.9	160.3	157.2	160.3	164.9	172.6
117.5°	250.8	221.6	212.0	202.5	187.9	181.0	177.2	173.3	177.2	181.0	187.9
120°	265.4	237.8	228.2	218.6	204.0	196.3	192.5	190.2	192.5	196.3	204.0
122.5°	280.7	253.9	243.6	233.2	219.3	210.9	207.1	204.8	207.1	210.9	219.3
125°	295.3	268.4	258.0	247.7	233.2	224.7	220.1	218.6	220.1	224.7	233.2
127.5°	308.3	282.2	271.8	261.5	245.4	237.0	231.6	229.3	231.6	237.0	245.4
130°	319.8	294.5	284.2	273.8	257.7	248.5	241.6	239.3	241.6	248.5	257.7
132.5°	329.8	305.2	295.2	285.3	269.2	257.7	250.0	247.0	250.0	257.7	269.2
135°	339.8	316.0	305.6	295.3	279.2	267.7	259.2	256.2	259.2	267.7	279.2
137.5°	346.7	323.7	314.1	304.5	288.4	276.1	267.7	264.6	267.7	276.1	288.4
140°	353.6	331.3	321.7	312.1	296.8	284.5	276.9	273.0	276.9	284.5	296.8
142.5°	358.9	337.5	328.6	319.8	304.5	293.7	285.3	282.2	285.3	293.7	304.5
145°	363.5	343.6	334.8	326.0	312.9	301.4	294.5	292.2	294.5	301.4	312.9
147.5°	367.4	349.0	341.3	333.6	320.6	310.6	303.7	302.2	303.7	310.6	320.6
150°	371.2	353.6	346.7	339.8	329.0	319.0	312.9	312.1	312.9	319.0	329.0
152.5°	373.5	358.9	352.4	345.9	336.7	328.3	322.1	322.1	322.1	328.3	336.7
155°	376.6	363.5	358.2	352.8	344.4	336.7	332.1	332.1	332.1	336.7	344.4
157.5°	378.1	367.4	363.2	358.9	351.3	344.4	340.5	339.8	340.5	344.4	351.3
160°	380.4	371.2	367.4	363.5	358.2	352.0	349.0	349.0	349.0	352.0	358.2
162.5°	381.2	373.5	370.4	367.4	362.8	358.2	355.9	355.9	355.9	358.2	362.8
165°	381.9	375.8	373.1	370.4	367.4	363.5	362.0	362.8	362.0	363.5	367.4
167.5°	381.9	377.3	375.4	373.5	371.2	368.1	367.4	368.1	367.4	368.1	371.2
170°	381.2	377.3	376.6	375.8	374.3	372.0	371.2	372.7	371.2	372.0	374.3
172.5°	381.2	378.1	377.7	377.3	376.6	375.0	375.0	375.8	375.0	375.0	376.6
175°	380.4	378.9	378.5	378.1	378.1	376.6	377.3	378.1	377.3	376.6	378.1
177.5°	379.6	378.9	378.9	378.9	378.9	378.1	378.9	379.6	378.9	378.1	378.9
180°	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	462.9	462.4	463.3	460.6	456.0	453.8	447.4	446.0	445.6	446.0	446.5
5°	450.1	449.7	448.3	443.7	438.3	434.2	426.4	426.0	423.2	420.5	421.9
7.5°	437.8	436.0	433.3	427.3	420.0	415.5	409.1	404.6	400.9	398.6	396.8
10°	425.5	422.8	420.0	412.3	403.2	396.4	388.6	385.0	380.9	379.0	377.2
12.5°	409.6	406.8	401.8	392.7	387.2	378.6	370.8	367.2	364.9	361.3	359.0
15°	396.8	391.3	388.6	379.0	367.6	366.7	352.6	351.7	347.1	347.1	343.5
17.5°	382.2	378.1	373.1	363.5	355.3	347.1	339.9	337.1	333.0	332.1	330.3
20°	368.1	362.6	360.8	351.2	342.6	332.6	324.8	322.1	320.3	318.4	319.8
22.5°	353.5	349.0	344.4	335.8	329.4	319.4	314.8	312.1	309.3	308.4	308.9
25°	339.4	335.3	330.7	322.1	315.3	307.1	303.0	301.6	300.2	300.2	299.8
27.5°	325.7	321.6	317.5	309.8	303.0	297.0	293.8	292.5	291.1	292.0	292.9
30°	311.6	308.0	304.3	297.5	292.0	286.6	284.7	283.8	283.4	285.6	285.6
32.5°	298.9	295.7	292.9	286.6	281.1	276.5	275.2	275.6	276.1	277.4	278.4
35°	285.6	283.4	280.6	275.2	270.6	266.5	267.0	267.0	267.9	270.2	272.0
37.5°	273.8	270.6	268.3	263.8	260.1	256.5	257.9	259.2	260.1	262.9	263.8
40°	259.7	258.3	256.5	251.9	248.7	248.3	248.7	249.7	251.5	252.8	254.2
42.5°	248.3	246.5	244.2	240.5	237.8	238.3	238.7	239.6	240.5	242.8	244.2
45°	235.5	234.2	232.3	229.2	226.9	227.3	227.8	227.8	228.7	231.4	232.3
47.5°	221.4	221.9	219.6	216.4	215.0	215.0	215.0	215.9	218.2	219.1	219.6
50°	207.7	206.8	206.4	203.2	202.3	201.8	202.3	202.7	205.9	205.5	206.8
52.5°	193.2	193.2	192.7	190.9	189.5	189.5	188.6	190.9	191.8	192.7	194.1
55°	179.0	177.7	177.2	176.3	174.5	174.0	174.9	177.7	178.6	179.5	180.9
57.5°	163.6	163.6	162.6	161.3	161.3	161.3	161.3	163.1	164.5	165.4	168.1
60°	149.4	147.6	146.2	146.2	146.2	145.8	148.5	148.5	151.3	151.7	152.6
62.5°	132.6	131.7	130.8	131.2	130.8	131.7	132.6	134.4	134.9	136.2	137.6
65°	116.6	116.6	115.7	118.4	116.6	116.6	118.9	118.9	119.8	121.2	123.0
67.5°	101.1	101.6	100.7	100.7	101.6	102.0	102.5	104.3	104.8	106.6	108.9
70°	85.2	86.1	86.6	85.6	86.6	87.5	88.4	88.8	90.7	91.6	92.9
72.5°	71.1	72.0	70.6	71.1	71.5	72.4	72.9	73.8	74.7	77.4	78.4
75°	56.9	56.5	56.0	57.9	56.9	58.8	59.2	59.2	60.1	62.4	63.3
77.5°	43.7	43.7	44.2	43.3	44.6	44.2	44.6	46.0	47.4	47.4	51.0
80°	30.5	31.4	31.4	31.4	31.9	32.3	31.4	33.7	34.2	34.2	35.5
82.5°	19.6	20.0	19.6	20.5	20.5	21.4	21.0	21.4	22.3	23.2	23.7
85°	10.5	10.5	11.4	11.4	10.9	11.4	10.9	11.4	12.3	12.3	12.8
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°	8.4	9.2	10.0	12.3	14.6	16.9	19.2	18.4	19.2	19.9	20.7
92.5°	39.1	46.0	52.9	77.5	118.1	158.0	142.7	106.6	75.9	59.1	51.4
95°	69.8	84.8	99.7	164.9	279.2	404.9	454.8	368.9	276.1	187.1	146.5
97.5°	80.5	97.0	113.5	177.9	310.6	522.3	699.5	723.2	634.3	478.6	377.3
100°	92.0	107.0	121.9	175.6	289.1	490.8	726.3	877.4	904.2	842.1	752.4
102.5°	105.1	118.5	131.9	178.7	270.7	444.8	676.4	885.1	994.0	1007.0	964.0
105°	119.6	131.5	143.4	184.8	263.8	408.8	616.6	836.7	997.0	1073.7	1088.3
107.5°	135.7	146.8	158.0	194.8	262.3	382.7	563.7	767.7	951.0	1071.4	1131.2
110°	151.9	162.6	173.3	207.8	266.1	368.9	520.0	703.3	878.9	1020.0	1116.7

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.7	179.0	189.4	220.9	273.8	361.2	490.8	647.3	807.6	952.5	1063.8
115°	185.6	196.0	206.3	235.5	282.2	360.5	471.7	604.4	746.2	879.7	992.4
117.5°	202.5	212.0	221.6	250.8	293.0	361.2	458.6	576.0	698.7	816.8	920.3
120°	218.6	228.2	237.8	265.4	305.2	364.3	450.2	554.5	662.6	766.2	858.2
122.5°	233.2	243.6	253.9	280.7	316.7	369.7	444.8	536.9	634.3	725.5	809.1
125°	247.7	258.0	268.4	295.3	329.0	375.0	440.2	522.3	609.7	693.3	766.9
127.5°	261.5	271.8	282.2	308.3	339.0	381.2	437.9	508.5	587.5	663.4	730.9
130°	273.8	284.2	294.5	319.8	349.0	387.3	435.6	497.7	566.8	635.8	697.9
132.5°	285.3	295.2	305.2	329.8	358.2	391.9	434.9	487.8	547.6	609.7	666.5
135°	295.3	305.6	316.0	339.8	365.8	396.5	434.1	479.3	530.7	585.2	635.0
137.5°	304.5	314.1	323.7	346.7	372.0	399.6	432.6	471.7	514.6	560.6	605.1
140°	312.1	321.7	331.3	353.6	376.6	402.6	431.8	464.8	500.8	539.9	576.7
142.5°	319.8	328.6	337.5	358.9	381.2	404.9	430.3	458.6	487.8	520.0	550.7
145°	326.0	334.8	343.6	363.5	384.2	405.7	428.7	453.3	477.8	503.1	527.7
147.5°	333.6	341.3	349.0	367.4	386.5	405.7	426.4	447.9	469.4	490.1	510.8
150°	339.8	346.7	353.6	371.2	387.3	405.7	423.4	442.5	460.2	477.8	493.9
152.5°	345.9	352.4	358.9	373.5	388.8	403.4	419.5	436.4	451.7	466.3	480.1
155°	352.8	358.2	363.5	376.6	388.8	401.9	414.9	430.3	443.3	455.6	467.1
157.5°	358.9	363.2	367.4	378.1	389.6	399.6	411.1	423.4	434.1	444.8	454.0
160°	363.5	367.4	371.2	380.4	389.6	398.0	406.5	416.5	426.4	434.9	442.5
162.5°	367.4	370.4	373.5	381.2	388.8	395.0	401.9	409.5	417.2	424.1	431.0
165°	370.4	373.1	375.8	381.9	387.3	391.9	397.3	403.4	409.5	414.1	419.5
167.5°	373.5	375.4	377.3	381.9	386.5	388.8	392.7	397.3	402.6	406.5	409.5
170°	375.8	376.6	377.3	381.2	384.2	385.8	388.1	391.9	395.7	398.0	401.1
172.5°	377.3	377.7	378.1	381.2	383.5	383.5	384.2	386.5	389.6	391.1	393.4
175°	378.1	378.5	378.9	380.4	381.9	381.2	381.2	382.7	384.2	385.0	386.5
177.5°	378.9	378.9	378.9	379.6	381.2	379.6	378.9	379.6	380.4	381.2	381.9
180°	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	446.0	446.5	444.6	443.3	446.9	444.6	444.6	445.1	444.2	445.6	445.1
5°	421.0	421.4	418.2	419.1	417.3	416.9	416.4	419.1	418.7	418.2	419.1
7.5°	396.4	396.4	395.0	394.1	394.1	392.7	394.5	394.1	395.0	395.0	396.4
10°	375.8	376.8	374.5	372.2	371.7	372.2	372.2	372.7	373.1	376.3	375.8
12.5°	359.0	357.6	357.2	355.8	353.5	352.6	351.7	356.7	355.3	355.3	355.3
15°	340.3	343.5	343.0	338.9	338.0	339.9	338.9	338.9	343.5	343.0	342.6
17.5°	330.3	329.4	328.5	326.2	326.6	326.2	326.6	326.6	329.4	329.4	329.4
20°	318.9	317.1	317.1	316.2	316.2	314.8	316.6	317.1	318.9	318.9	319.4
22.5°	308.9	307.5	307.5	307.1	308.0	306.1	308.0	308.4	308.4	309.8	309.8
25°	300.2	299.3	299.3	300.2	300.2	300.2	300.2	302.0	300.7	301.1	300.7
27.5°	292.5	292.9	293.4	293.8	293.4	293.8	294.3	295.2	295.7	295.2	294.3
30°	285.2	286.6	287.0	287.0	287.9	288.4	288.8	288.8	289.3	287.9	288.8
32.5°	279.7	279.7	280.6	281.1	282.0	282.5	282.5	283.4	282.9	281.5	282.0
35°	272.0	272.0	273.8	274.7	276.1	275.6	276.1	276.1	276.5	275.6	274.3
37.5°	264.2	265.1	265.1	267.0	267.4	267.9	267.4	268.3	267.9	267.0	266.5
40°	255.1	254.7	255.1	256.5	256.9	256.9	256.9	257.9	257.9	257.9	257.4
42.5°	243.7	245.1	244.6	246.0	245.6	245.6	246.5	247.4	247.8	246.5	246.9
45°	232.8	232.8	233.7	233.7	234.2	234.2	236.0	235.1	236.0	235.1	235.5
47.5°	221.0	221.4	221.4	221.9	222.8	223.7	222.8	223.2	223.2	223.7	222.8
50°	207.7	207.7	208.7	210.0	211.8	210.9	210.5	212.3	210.9	210.9	210.0
52.5°	194.1	195.4	195.9	197.3	198.6	199.1	199.5	198.6	199.1	197.7	198.2
55°	180.9	181.3	183.1	184.5	185.9	185.9	185.4	185.9	186.3	184.5	184.5
57.5°	167.7	169.0	170.8	170.8	172.7	172.7	172.2	172.2	172.7	171.3	170.8
60°	153.5	154.9	157.2	157.2	159.9	160.4	159.5	158.5	158.5	157.2	157.6
62.5°	138.5	139.9	141.2	143.5	145.3	144.4	146.2	144.4	144.9	142.1	142.1
65°	125.3	125.7	128.0	130.3	130.3	131.2	130.3	130.8	129.4	129.4	127.6
67.5°	109.8	109.8	112.1	114.3	116.6	116.6	116.6	115.3	115.3	113.9	113.9
70°	96.1	95.7	97.9	99.3	100.7	101.1	100.2	99.8	98.9	97.5	97.0
72.5°	79.3	80.2	82.5	83.4	85.6	85.2	87.5	84.7	84.7	82.5	82.0
75°	64.2	65.1	67.4	68.8	70.2	70.2	71.5	70.2	68.3	67.4	67.0
77.5°	51.0	50.6	52.4	54.7	55.1	54.7	55.6	55.1	53.3	53.3	52.4
80°	36.4	37.8	39.6	39.2	41.0	40.5	40.5	39.6	39.6	38.3	39.2
82.5°	24.1	25.5	26.0	25.5	26.0	26.9	27.3	26.9	26.9	26.0	26.4
85°	12.8	12.8	13.7	14.1	13.7	13.7	14.1	15.5	14.6	13.7	14.6
87.5°	4.1	3.6	3.6	4.1	3.6	3.6	4.1	4.1	4.6	4.6	4.6
90°	21.4	22.2	21.5	22.2	23.0	22.2	23.0	22.2	21.5	22.2	21.4
92.5°	48.7	46.0	44.5	41.4	42.2	40.6	42.2	41.4	44.5	46.0	48.7
95°	132.7	118.9	104.3	97.4	92.0	89.0	92.0	97.4	104.3	118.9	132.7
97.5°	333.6	289.9	238.5	209.4	191.0	182.5	191.0	209.4	238.5	289.9	333.6
100°	698.0	643.5	566.0	510.0	480.1	480.9	480.1	510.0	566.0	643.5	698.0
102.5°	934.5	905.0	849.0	807.6	783.8	761.6	783.8	807.6	849.0	905.0	934.5
105°	1078.4	1068.4	1033.1	1003.9	979.4	975.6	979.4	1003.9	1033.1	1068.4	1078.4
107.5°	1141.6	1152.0	1147.3	1133.5	1123.6	1115.1	1123.6	1133.5	1147.3	1152.0	1141.6
110°	1143.6	1170.4	1191.8	1198.0	1196.4	1194.9	1196.4	1198.0	1191.8	1170.4	1143.6

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1100.2	1136.6	1180.3	1202.6	1210.2	1211.0	1210.2	1202.6	1180.3	1136.6	1100.2
115°	1034.2	1076.0	1133.5	1167.3	1182.6	1186.5	1182.6	1167.3	1133.5	1076.0	1034.2
117.5°	963.6	1007.0	1066.8	1104.4	1127.4	1132.8	1127.4	1104.4	1066.8	1007.0	963.6
120°	897.0	935.7	996.3	1039.2	1057.6	1062.2	1057.6	1039.2	996.3	935.7	897.0
122.5°	844.4	879.7	931.8	969.4	990.1	996.3	990.1	969.4	931.8	879.7	844.4
125°	797.6	828.3	877.4	911.1	930.3	935.7	930.3	911.1	877.4	828.3	797.6
127.5°	759.3	787.7	832.1	861.3	878.9	883.5	878.9	861.3	832.1	787.7	759.3
130°	724.0	750.1	790.7	818.3	834.4	840.6	834.4	818.3	790.7	750.1	724.0
132.5°	691.0	715.6	753.1	780.7	794.6	798.4	794.6	780.7	753.1	715.6	691.0
135°	656.8	678.7	716.3	739.3	753.1	758.5	753.1	739.3	716.3	678.7	656.8
137.5°	624.7	644.2	676.4	700.2	711.7	716.3	711.7	700.2	676.4	644.2	624.7
140°	593.2	609.7	638.9	660.3	672.6	671.8	672.6	660.3	638.9	609.7	593.2
142.5°	564.5	578.3	602.1	620.5	631.2	630.4	631.2	620.5	602.1	578.3	564.5
145°	538.8	549.9	569.1	585.2	591.3	592.8	591.3	585.2	569.1	549.9	538.8
147.5°	518.8	526.9	542.2	553.7	559.9	560.6	559.9	553.7	542.2	526.9	518.8
150°	501.2	508.5	520.0	528.4	533.0	533.0	533.0	528.4	520.0	508.5	501.2
152.5°	485.8	491.6	500.0	507.7	510.0	510.0	510.0	507.7	500.0	491.6	485.8
155°	471.7	476.3	483.2	489.3	490.8	491.6	490.8	489.3	483.2	476.3	471.7
157.5°	457.8	461.7	467.8	472.4	474.0	474.0	474.0	472.4	467.8	461.7	457.8
160°	445.2	447.9	453.3	457.9	457.9	457.1	457.9	457.9	453.3	447.9	445.2
162.5°	433.3	435.6	438.7	442.5	442.5	441.8	442.5	442.5	438.7	435.6	433.3
165°	421.4	423.4	426.4	429.5	428.7	428.7	428.7	429.5	426.4	423.4	421.4
167.5°	411.0	412.6	414.1	416.5	415.7	415.7	415.7	416.5	414.1	412.6	411.0
170°	401.8	402.6	403.4	404.9	404.2	404.2	404.2	404.9	403.4	402.6	401.8
172.5°	393.8	394.2	394.2	395.7	394.2	393.4	394.2	395.7	394.2	394.2	393.8
175°	386.5	386.5	386.5	387.3	386.5	385.8	386.5	387.3	386.5	386.5	386.5
177.5°	381.9	381.9	381.2	381.9	380.4	380.4	380.4	381.9	381.2	381.9	381.9
180°	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	446.5	447.4	447.8	446.0	444.6	446.9	450.1	452.4	454.2	456.5	457.9
5°	420.0	423.2	423.2	424.1	425.5	427.8	433.7	437.8	441.5	444.2	446.5
7.5°	397.7	400.0	401.4	403.6	405.9	409.1	415.9	421.9	427.3	430.5	434.2
10°	377.7	379.5	381.8	383.1	387.2	391.8	400.5	405.5	411.8	416.9	421.4
12.5°	358.5	364.9	366.3	365.8	369.5	374.5	383.1	390.9	397.7	402.7	407.7
15°	344.9	347.1	349.9	349.4	357.2	358.5	365.8	374.9	384.1	387.2	391.8
17.5°	329.8	333.5	336.2	337.6	339.9	344.9	351.7	358.5	370.4	370.8	382.7
20°	318.0	321.6	323.5	325.3	326.6	332.6	338.5	346.2	355.8	360.8	367.2
22.5°	310.2	312.1	313.4	314.8	316.6	319.8	327.1	335.8	342.1	347.6	351.7
25°	301.1	303.0	304.8	305.7	307.1	308.9	314.3	321.2	330.3	333.9	338.0
27.5°	294.8	294.8	295.7	295.7	297.5	299.3	303.4	309.8	317.1	321.6	327.1
30°	287.9	287.5	287.9	287.5	287.0	289.7	293.4	298.9	303.9	309.3	313.0
32.5°	281.1	280.6	280.6	281.1	279.3	280.6	282.5	287.5	292.9	295.7	299.8
35°	273.8	272.9	272.9	272.9	272.0	271.1	272.9	277.4	281.1	284.7	287.9
37.5°	266.5	265.1	265.1	264.2	263.3	262.0	262.0	265.6	270.6	272.0	276.1
40°	256.5	256.5	255.6	255.1	254.2	253.3	251.9	255.1	259.7	261.0	264.2
42.5°	246.5	245.1	244.6	244.6	244.6	243.3	242.4	244.6	247.4	249.7	251.5
45°	235.1	234.2	234.6	234.2	233.3	232.8	232.3	233.3	236.4	237.4	239.6
47.5°	222.8	222.3	222.3	221.9	221.4	221.9	220.0	222.3	223.2	224.1	226.0
50°	210.0	209.6	209.1	208.7	208.7	209.1	208.7	208.7	210.5	211.4	213.2
52.5°	197.3	195.9	195.9	195.4	195.4	194.5	195.4	195.9	196.8	197.7	198.6
55°	183.6	183.6	182.2	182.2	181.3	181.3	181.8	181.3	183.1	184.1	184.1
57.5°	170.4	168.6	169.0	168.1	167.2	166.7	166.7	167.7	168.6	168.6	169.5
60°	156.3	154.4	154.0	152.2	153.1	151.7	152.2	152.2	154.0	153.1	154.0
62.5°	142.1	139.9	138.5	137.6	137.6	138.0	137.1	136.7	137.6	138.5	140.3
65°	127.1	125.7	124.4	123.0	123.0	122.5	123.5	122.1	121.6	122.1	123.0
67.5°	111.6	110.2	108.9	107.5	108.0	106.6	105.7	107.1	106.1	106.6	107.5
70°	96.6	95.7	92.9	92.0	91.6	92.0	91.6	90.7	92.0	91.6	92.0
72.5°	81.5	80.6	79.3	77.0	77.0	76.5	76.1	76.1	75.6	75.6	75.6
75°	67.0	65.1	63.8	63.3	62.4	62.0	61.5	60.6	61.0	61.5	60.6
77.5°	51.9	49.7	49.2	49.2	47.8	47.8	48.3	47.8	47.4	47.4	47.4
80°	38.3	36.4	36.4	35.5	34.6	34.6	34.6	34.6	34.2	33.7	34.2
82.5°	24.6	24.1	23.7	23.7	24.6	22.8	23.7	23.2	22.8	22.8	22.3
85°	13.7	14.1	13.7	14.1	13.2	13.7	13.7	13.7	13.2	13.7	12.8
87.5°	5.0	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.9	5.5	5.5
90°	20.7	19.9	19.2	18.4	19.2	16.9	14.6	12.3	10.0	9.2	8.4
92.5°	51.4	59.1	75.9	106.6	142.7	158.0	118.1	77.5	52.9	46.0	39.1
95°	146.5	187.1	276.1	368.9	454.8	404.9	279.2	164.9	99.7	84.8	69.8
97.5°	377.3	478.6	634.3	723.2	699.5	522.3	310.6	177.9	113.5	97.0	80.5
100°	752.4	842.1	904.2	877.4	726.3	490.8	289.1	175.6	121.9	107.0	92.0
102.5°	964.0	1007.0	994.0	885.1	676.4	444.8	270.7	178.7	131.9	118.5	105.1
105°	1088.3	1073.7	997.0	836.7	616.6	408.8	263.8	184.8	143.4	131.5	119.6
107.5°	1131.2	1071.4	951.0	767.7	563.7	382.7	262.3	194.8	158.0	146.8	135.7
110°	1116.7	1020.0	878.9	703.3	520.0	368.9	266.1	207.8	173.3	162.6	151.9

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1063.8	952.5	807.6	647.3	490.8	361.2	273.8	220.9	189.4	179.0	168.7
115°	992.4	879.7	746.2	604.4	471.7	360.5	282.2	235.5	206.3	196.0	185.6
117.5°	920.3	816.8	698.7	576.0	458.6	361.2	293.0	250.8	221.6	212.0	202.5
120°	858.2	766.2	662.6	554.5	450.2	364.3	305.2	265.4	237.8	228.2	218.6
122.5°	809.1	725.5	634.3	536.9	444.8	369.7	316.7	280.7	253.9	243.6	233.2
125°	766.9	693.3	609.7	522.3	440.2	375.0	329.0	295.3	268.4	258.0	247.7
127.5°	730.9	663.4	587.5	508.5	437.9	381.2	339.0	308.3	282.2	271.8	261.5
130°	697.9	635.8	566.8	497.7	435.6	387.3	349.0	319.8	294.5	284.2	273.8
132.5°	666.5	609.7	547.6	487.8	434.9	391.9	358.2	329.8	305.2	295.2	285.3
135°	635.0	585.2	530.7	479.3	434.1	396.5	365.8	339.8	316.0	305.6	295.3
137.5°	605.1	560.6	514.6	471.7	432.6	399.6	372.0	346.7	323.7	314.1	304.5
140°	576.7	539.9	500.8	464.8	431.8	402.6	376.6	353.6	331.3	321.7	312.1
142.5°	550.7	520.0	487.8	458.6	430.3	404.9	381.2	358.9	337.5	328.6	319.8
145°	527.7	503.1	477.8	453.3	428.7	405.7	384.2	363.5	343.6	334.8	326.0
147.5°	510.8	490.1	469.4	447.9	426.4	405.7	386.5	367.4	349.0	341.3	333.6
150°	493.9	477.8	460.2	442.5	423.4	405.7	387.3	371.2	353.6	346.7	339.8
152.5°	480.1	466.3	451.7	436.4	419.5	403.4	388.8	373.5	358.9	352.4	345.9
155°	467.1	455.6	443.3	430.3	414.9	401.9	388.8	376.6	363.5	358.2	352.8
157.5°	454.0	444.8	434.1	423.4	411.1	399.6	389.6	378.1	367.4	363.2	358.9
160°	442.5	434.9	426.4	416.5	406.5	398.0	389.6	380.4	371.2	367.4	363.5
162.5°	431.0	424.1	417.2	409.5	401.9	395.0	388.8	381.2	373.5	370.4	367.4
165°	419.5	414.1	409.5	403.4	397.3	391.9	387.3	381.9	375.8	373.1	370.4
167.5°	409.5	406.5	402.6	397.3	392.7	388.8	386.5	381.9	377.3	375.4	373.5
170°	401.1	398.0	395.7	391.9	388.1	385.8	384.2	381.2	377.3	376.6	375.8
172.5°	393.4	391.1	389.6	386.5	384.2	383.5	383.5	381.2	378.1	377.7	377.3
175°	386.5	385.0	384.2	382.7	381.2	381.2	381.9	380.4	378.9	378.5	378.1
177.5°	381.9	381.2	380.4	379.6	378.9	379.6	381.2	379.6	378.9	378.9	378.9
180°	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9	378.9

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	470.2	470.2	470.2	470.2
2.5°	460.1	461.5	466.1	471.5
5°	451.0	454.7	461.0	469.7
7.5°	441.0	446.5	455.6	466.5
10°	429.6	437.4	448.7	462.4
12.5°	417.3	427.3	441.9	456.0
15°	409.6	419.6	432.8	448.3
17.5°	394.5	406.4	420.0	441.9
20°	379.0	392.3	410.0	431.9
22.5°	367.2	381.3	398.2	421.4
25°	353.1	367.6	385.9	410.0
27.5°	338.0	352.6	373.1	398.6
30°	326.6	340.8	360.4	387.7
32.5°	313.0	326.6	347.1	375.8
35°	297.5	313.0	332.6	361.7
37.5°	285.6	299.8	320.3	348.1
40°	272.9	285.2	305.2	332.6
42.5°	259.2	272.9	290.2	317.5
45°	246.5	256.5	274.3	300.2
47.5°	232.8	244.2	257.9	277.9
50°	218.2	227.8	242.8	256.5
52.5°	204.1	211.8	224.6	235.1
55°	189.1	196.8	206.4	212.8
57.5°	174.9	180.4	186.8	190.9
60°	157.6	163.1	167.2	171.3
62.5°	142.1	146.2	148.5	150.8
65°	126.2	128.5	129.8	131.7
67.5°	108.9	111.2	111.6	114.3
70°	92.9	93.4	94.3	95.7
72.5°	77.9	78.8	78.4	79.3
75°	62.4	63.3	62.4	63.3
77.5°	47.4	48.3	48.3	49.7
80°	34.2	34.6	35.1	35.1
82.5°	22.3	23.7	22.8	23.2
85°	12.8	13.2	13.2	13.7
87.5°	5.9	6.4	5.9	6.8
90°	6.9	4.6	3.1	1.5
92.5°	31.4	24.5	16.9	11.5
95°	49.9	36.8	28.4	26.1
97.5°	60.6	49.1	42.2	41.4
100°	73.6	62.9	57.5	56.8
102.5°	89.0	79.0	74.4	72.9
105°	105.1	95.9	91.3	89.0
107.5°	121.9	112.7	108.1	105.8
110°	138.8	130.4	126.5	124.2

TEST NUMBER: P1011653

CATALOG NUMBER: S123DIP-B340D805UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	155.7	147.3	143.4	141.1
115°	172.6	164.9	160.3	157.2
117.5°	187.9	181.0	177.2	173.3
120°	204.0	196.3	192.5	190.2
122.5°	219.3	210.9	207.1	204.8
125°	233.2	224.7	220.1	218.6
127.5°	245.4	237.0	231.6	229.3
130°	257.7	248.5	241.6	239.3
132.5°	269.2	257.7	250.0	247.0
135°	279.2	267.7	259.2	256.2
137.5°	288.4	276.1	267.7	264.6
140°	296.8	284.5	276.9	273.0
142.5°	304.5	293.7	285.3	282.2
145°	312.9	301.4	294.5	292.2
147.5°	320.6	310.6	303.7	302.2
150°	329.0	319.0	312.9	312.1
152.5°	336.7	328.3	322.1	322.1
155°	344.4	336.7	332.1	332.1
157.5°	351.3	344.4	340.5	339.8
160°	358.2	352.0	349.0	349.0
162.5°	362.8	358.2	355.9	355.9
165°	367.4	363.5	362.0	362.8
167.5°	371.2	368.1	367.4	368.1
170°	374.3	372.0	371.2	372.7
172.5°	376.6	375.0	375.0	375.8
175°	378.1	376.6	377.3	378.1
177.5°	378.9	378.1	378.9	379.6
180°	378.9	378.9	378.9	378.9

(END OF REPORT)