

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: P1011585

Luminaire Tested: S123DIP-B340D365UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011585
REPORT IS A COMBINATION OF REPORTS P989792 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D365UB50-4F0-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

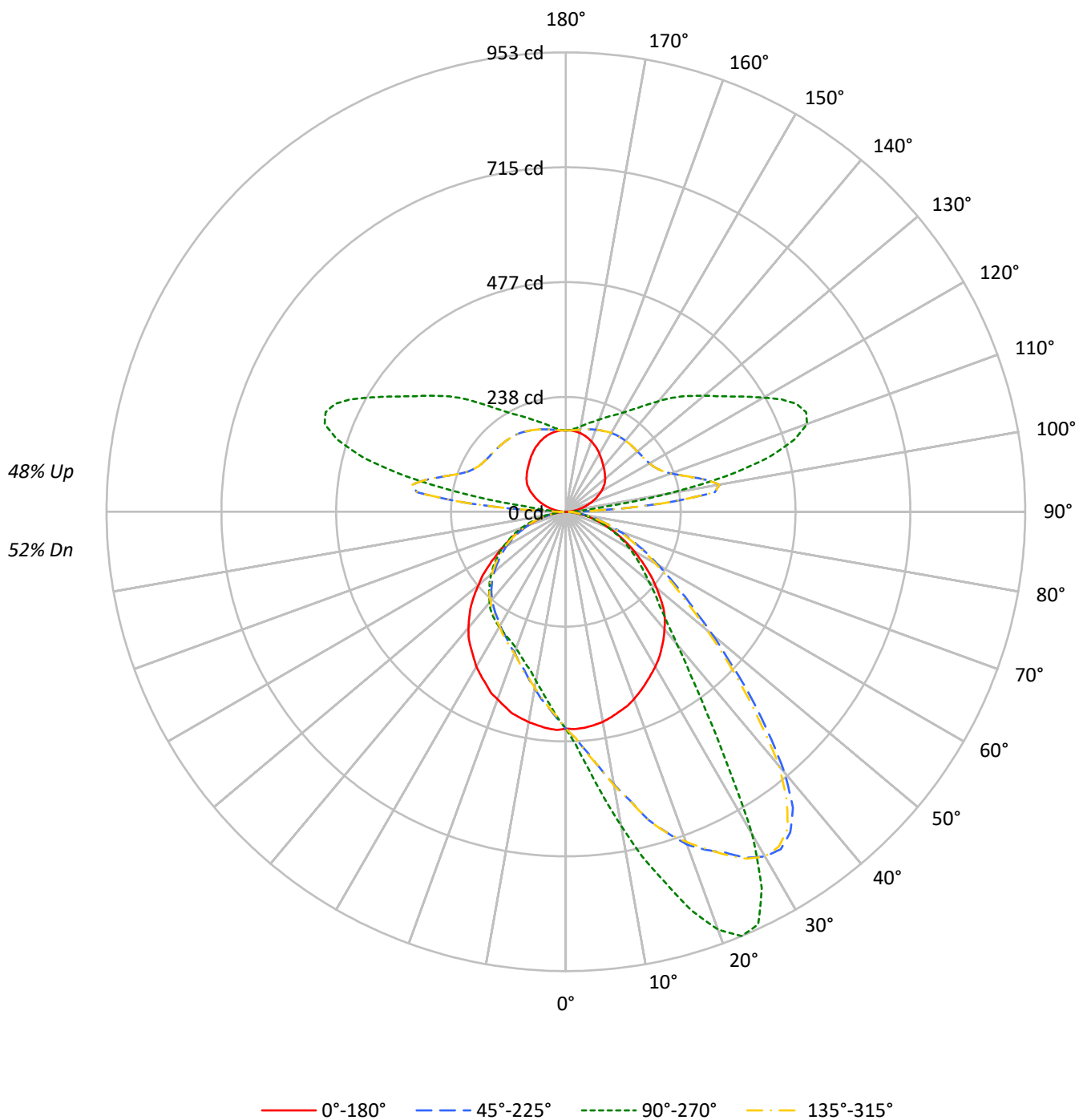
Lumens per Lamp: N/A
Luminaire Lumens: 2629.0 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 22.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	49	49	44
2	90	83	77	72	83	77	71	67	65	62	58	55	52	50	46	44	42	42	42	37
3	82	73	66	60	76	68	61	56	58	53	49	49	45	42	41	38	36	36	36	32
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	36	34	31	31	31	28
5	69	58	50	44	64	54	47	41	46	41	36	39	35	32	33	30	27	27	27	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	24	24	21
7	59	47	39	33	54	44	37	32	38	32	28	32	28	25	27	24	21	21	21	19
8	55	42	35	29	51	40	33	28	35	29	25	30	25	22	25	22	19	19	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	17	17	15
10	48	36	28	24	44	33	27	22	29	24	20	25	21	18	21	18	16	16	16	14

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

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	1.7
10°-20°	142.1	5.4
20°-30°	239.1	9.1
30°-40°	270.3	10.3
40°-50°	242.1	9.2
50°-60°	195.4	7.4
60°-70°	136.2	5.2
70°-80°	71.5	2.7
80°-90°	18.1	0.7
90°-100°	91.6	3.5
100°-110°	268.2	10.2
110°-120°	261.9	10.0
120°-130°	208.6	7.9
130°-140°	164.6	6.3
140°-150°	122.8	4.7
150°-160°	85.6	3.3
160°-170°	50.3	1.9
170°-180°	16.4	0.6
0°-30°	425.5	16.2
0°-40°	695.8	26.5
0°-60°	1133.2	43.1
0°-90°	1358.9	51.7
90°-120°	621.8	23.7
90°-150°	1117.8	42.5
90°-180°	1270.0	48.3
0°-180°	2629.0	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°	1	10	1	10	1	2
95°	12	40	12	40	12	12
105°	40	435	40	435	40	42
115°	70	529	70	529	70	69
125°	97	417	97	417	97	87
135°	114	338	114	338	114	88
145°	130	264	130	264	130	82
155°	148	219	148	219	148	68
165°	162	191	162	191	162	46
175°	168	172	168	172	168	16
180°	169	169	169	169	169	

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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°	0.7	1.4	2.1	3.1	3.8	4.1	4.4	5.5	6.5	7.5	8.5
92.5°	5.1	7.5	10.9	14.0	17.4	20.5	23.6	34.5	52.6	70.4	63.6
95°	11.6	12.6	16.4	22.2	31.1	37.8	44.4	73.5	124.4	180.5	202.7
97.5°	18.5	18.8	21.9	27.0	35.9	43.2	50.6	79.3	138.4	232.8	311.7
100°	25.3	25.6	28.0	32.8	41.0	47.6	54.3	78.3	128.9	218.7	323.7
102.5°	32.5	33.2	35.2	39.6	46.8	52.8	58.8	79.6	120.7	198.2	301.5
105°	39.6	40.7	42.7	46.8	53.3	58.6	63.9	82.4	117.6	182.2	274.8
107.5°	47.2	48.2	50.2	54.3	60.5	65.4	70.4	86.8	116.9	170.6	251.2
110°	55.4	56.4	58.1	61.9	67.7	72.4	77.2	92.6	118.6	164.4	231.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	62.9	63.9	65.6	69.4	75.2	79.8	84.4	98.4	122.0	161.0	218.7
115°	70.1	71.4	73.5	76.9	82.7	87.3	91.9	104.9	125.8	160.6	210.2
117.5°	77.2	79.0	80.7	83.7	90.2	94.5	98.8	111.8	130.6	161.0	204.4
120°	84.8	85.8	87.5	90.9	97.4	101.7	106.0	118.3	136.0	162.4	200.6
122.5°	91.3	92.3	94.0	97.8	103.9	108.5	113.1	125.1	141.2	164.7	198.2
125°	97.4	98.1	100.1	103.9	110.4	115.0	119.6	131.6	146.6	167.1	196.2
127.5°	102.2	103.2	105.6	109.4	116.6	121.2	125.8	137.4	151.1	169.9	195.2
130°	106.6	107.7	110.7	114.8	122.0	126.6	131.2	142.5	155.5	172.6	194.1
132.5°	110.1	111.4	114.8	120.0	127.1	131.6	136.0	147.0	159.6	174.7	193.8
135°	114.2	115.5	119.3	124.4	131.6	136.2	140.8	151.4	163.0	176.7	193.5
137.5°	117.9	119.3	123.0	128.5	135.7	140.0	144.2	154.5	165.8	178.1	192.8
140°	121.7	123.4	126.8	132.3	139.1	143.4	147.7	157.6	167.8	179.4	192.4
142.5°	125.8	127.1	130.9	135.7	142.5	146.4	150.4	160.0	169.9	180.5	191.7
145°	130.2	131.2	134.3	139.5	145.3	149.2	153.1	162.0	171.2	180.8	191.1
147.5°	134.7	135.3	138.4	142.9	148.7	152.1	155.5	163.7	172.3	180.8	190.0
150°	139.1	139.5	142.2	146.6	151.4	154.5	157.6	165.4	172.6	180.8	188.7
152.5°	143.6	143.6	146.3	150.0	154.1	157.0	160.0	166.5	173.3	179.8	187.0
155°	148.0	148.0	150.0	153.5	157.2	159.6	162.0	167.8	173.3	179.1	184.9
157.5°	151.4	151.8	153.5	156.5	160.0	161.8	163.7	168.5	173.6	178.1	183.2
160°	155.5	155.5	156.9	159.6	162.0	163.7	165.4	169.5	173.6	177.4	181.1
162.5°	158.6	158.6	159.6	161.7	163.7	165.1	166.5	169.9	173.3	176.0	179.1
165°	161.7	161.3	162.0	163.7	165.1	166.3	167.5	170.2	172.6	174.7	177.0
167.5°	164.1	163.7	164.1	165.4	166.5	167.4	168.2	170.2	172.3	173.3	175.0
170°	166.1	165.4	165.8	166.8	167.5	167.8	168.2	169.9	171.2	171.9	172.9
172.5°	167.5	167.1	167.1	167.8	168.2	168.4	168.5	169.9	170.9	170.9	171.2
175°	168.5	168.2	167.8	168.5	168.5	168.6	168.8	169.5	170.2	169.9	169.9
177.5°	169.2	168.8	168.5	168.8	168.8	168.8	168.8	169.2	169.9	169.2	168.8
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

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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°	8.2	8.5	8.9	9.2	9.6	9.9	9.6	9.9	10.3	9.9	10.3
92.5°	47.5	33.8	26.3	22.9	21.7	20.5	19.8	18.5	18.8	18.1	18.8
95°	164.4	123.0	83.4	65.3	59.2	53.0	46.5	43.4	41.0	39.6	41.0
97.5°	322.3	282.7	213.3	168.2	148.7	129.2	106.3	93.3	85.1	81.3	85.1
100°	391.0	403.0	375.3	335.3	311.0	286.8	252.2	227.3	214.0	214.3	214.0
102.5°	394.4	443.0	448.8	429.6	416.4	403.3	378.4	359.9	349.3	339.4	349.3
105°	372.9	444.3	478.5	485.0	480.6	476.1	460.4	447.4	436.5	434.8	436.5
107.5°	342.1	423.8	477.5	504.1	508.8	513.4	511.3	505.2	500.7	497.0	500.7
110°	313.4	391.7	454.6	497.6	509.6	521.6	531.1	533.9	533.2	532.5	533.2

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	288.5	359.9	424.5	474.1	490.3	506.5	526.0	535.9	539.3	539.7	539.3
115°	269.3	332.6	392.0	442.3	460.9	479.5	505.2	520.2	527.0	528.7	527.0
117.5°	256.7	311.4	364.0	410.1	429.4	448.8	475.4	492.2	502.4	504.8	502.4
120°	247.1	295.3	341.4	382.5	399.8	417.0	444.0	463.1	471.3	473.4	471.3
122.5°	239.3	282.7	323.3	360.6	376.3	392.0	415.3	432.0	441.3	444.0	441.3
125°	232.8	271.7	309.0	341.8	355.5	369.1	391.0	406.0	414.6	417.0	414.6
127.5°	226.6	261.8	295.6	325.7	338.4	351.0	370.8	383.8	391.7	393.7	391.7
130°	221.8	252.6	283.3	311.0	322.6	334.3	352.4	364.7	371.9	374.6	371.9
132.5°	217.4	244.0	271.7	297.0	308.0	318.9	335.6	347.9	354.1	355.8	354.1
135°	213.6	236.5	260.8	283.0	292.8	302.5	319.2	329.5	335.6	338.0	335.6
137.5°	210.2	229.3	249.8	269.7	278.4	287.1	301.5	312.1	317.2	319.2	317.2
140°	207.1	223.2	240.6	257.0	264.4	271.7	284.7	294.3	299.8	299.4	299.8
142.5°	204.4	217.4	231.7	245.4	251.6	257.7	268.3	276.5	281.3	281.0	281.3
145°	202.0	212.9	224.2	235.2	240.2	245.1	253.6	260.8	263.5	264.2	263.5
147.5°	199.6	209.2	218.4	227.6	231.2	234.8	241.6	246.8	249.5	249.8	249.5
150°	197.2	205.1	212.9	220.1	223.4	226.6	231.7	235.5	237.5	237.5	237.5
152.5°	194.5	201.3	207.8	214.0	216.6	219.1	222.8	226.3	227.3	227.3	227.3
155°	191.7	197.6	203.0	208.2	210.2	212.3	215.3	218.1	218.7	219.1	218.7
157.5°	188.7	193.5	198.2	202.3	204.0	205.8	208.5	210.5	211.2	211.2	211.2
160°	185.6	190.0	193.8	197.2	198.4	199.6	202.0	204.0	204.0	203.7	204.0
162.5°	182.5	185.9	189.0	192.1	193.1	194.1	195.5	197.2	197.2	196.9	197.2
165°	179.8	182.5	184.6	187.0	187.8	188.7	190.0	191.4	191.1	191.1	191.1
167.5°	177.0	179.4	181.1	182.5	183.2	183.9	184.6	185.6	185.3	185.3	185.3
170°	174.7	176.4	177.4	178.8	179.1	179.4	179.8	180.5	180.1	180.1	180.1
172.5°	172.3	173.6	174.3	175.3	175.5	175.7	175.7	176.4	175.7	175.3	175.7
175°	170.6	171.2	171.6	172.3	172.3	172.3	172.3	172.6	172.3	171.9	172.3
177.5°	169.2	169.5	169.9	170.2	170.2	170.2	169.9	170.2	169.5	169.5	169.5
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-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°	9.9	9.6	9.9	9.6	9.2	8.9	8.5	8.2	8.5	7.5	6.5
92.5°	18.5	19.8	20.5	21.7	22.9	26.3	33.8	47.5	63.6	70.4	52.6
95°	43.4	46.5	53.0	59.2	65.3	83.4	123.0	164.4	202.7	180.5	124.4
97.5°	93.3	106.3	129.2	148.7	168.2	213.3	282.7	322.3	311.7	232.8	138.4
100°	227.3	252.2	286.8	311.0	335.3	375.3	403.0	391.0	323.7	218.7	128.9
102.5°	359.9	378.4	403.3	416.4	429.6	448.8	443.0	394.4	301.5	198.2	120.7
105°	447.4	460.4	476.1	480.6	485.0	478.5	444.3	372.9	274.8	182.2	117.6
107.5°	505.2	511.3	513.4	508.8	504.1	477.5	423.8	342.1	251.2	170.6	116.9
110°	533.9	531.1	521.6	509.6	497.6	454.6	391.7	313.4	231.7	164.4	118.6

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	535.9	526.0	506.5	490.3	474.1	424.5	359.9	288.5	218.7	161.0	122.0
115°	520.2	505.2	479.5	460.9	442.3	392.0	332.6	269.3	210.2	160.6	125.8
117.5°	492.2	475.4	448.8	429.4	410.1	364.0	311.4	256.7	204.4	161.0	130.6
120°	463.1	444.0	417.0	399.8	382.5	341.4	295.3	247.1	200.6	162.4	136.0
122.5°	432.0	415.3	392.0	376.3	360.6	323.3	282.7	239.3	198.2	164.7	141.2
125°	406.0	391.0	369.1	355.5	341.8	309.0	271.7	232.8	196.2	167.1	146.6
127.5°	383.8	370.8	351.0	338.4	325.7	295.6	261.8	226.6	195.2	169.9	151.1
130°	364.7	352.4	334.3	322.6	311.0	283.3	252.6	221.8	194.1	172.6	155.5
132.5°	347.9	335.6	318.9	308.0	297.0	271.7	244.0	217.4	193.8	174.7	159.6
135°	329.5	319.2	302.5	292.8	283.0	260.8	236.5	213.6	193.5	176.7	163.0
137.5°	312.1	301.5	287.1	278.4	269.7	249.8	229.3	210.2	192.8	178.1	165.8
140°	294.3	284.7	271.7	264.4	257.0	240.6	223.2	207.1	192.4	179.4	167.8
142.5°	276.5	268.3	257.7	251.6	245.4	231.7	217.4	204.4	191.7	180.5	169.9
145°	260.8	253.6	245.1	240.2	235.2	224.2	212.9	202.0	191.1	180.8	171.2
147.5°	246.8	241.6	234.8	231.2	227.6	218.4	209.2	199.6	190.0	180.8	172.3
150°	235.5	231.7	226.6	223.4	220.1	212.9	205.1	197.2	188.7	180.8	172.6
152.5°	226.3	222.8	219.1	216.6	214.0	207.8	201.3	194.5	187.0	179.8	173.3
155°	218.1	215.3	212.3	210.2	208.2	203.0	197.6	191.7	184.9	179.1	173.3
157.5°	210.5	208.5	205.8	204.0	202.3	198.2	193.5	188.7	183.2	178.1	173.6
160°	204.0	202.0	199.6	198.4	197.2	193.8	190.0	185.6	181.1	177.4	173.6
162.5°	197.2	195.5	194.1	193.1	192.1	189.0	185.9	182.5	179.1	176.0	173.3
165°	191.4	190.0	188.7	187.8	187.0	184.6	182.5	179.8	177.0	174.7	172.6
167.5°	185.6	184.6	183.9	183.2	182.5	181.1	179.4	177.0	175.0	173.3	172.3
170°	180.5	179.8	179.4	179.1	178.8	177.4	176.4	174.7	172.9	171.9	171.2
172.5°	176.4	175.7	175.7	175.5	175.3	174.3	173.6	172.3	171.2	170.9	170.9
175°	172.6	172.3	172.3	172.3	172.3	171.6	171.2	170.6	169.9	169.9	170.2
177.5°	170.2	169.9	170.2	170.2	170.2	169.9	169.5	169.2	168.8	169.2	169.9
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-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°	5.5	4.4	4.1	3.8	3.1	2.1	1.4	0.7	1.4	2.1	3.1
92.5°	34.5	23.6	20.5	17.4	14.0	10.9	7.5	5.1	7.5	10.9	14.0
95°	73.5	44.4	37.8	31.1	22.2	16.4	12.6	11.6	12.6	16.4	22.2
97.5°	79.3	50.6	43.2	35.9	27.0	21.9	18.8	18.5	18.8	21.9	27.0
100°	78.3	54.3	47.6	41.0	32.8	28.0	25.6	25.3	25.6	28.0	32.8
102.5°	79.6	58.8	52.8	46.8	39.6	35.2	33.2	32.5	33.2	35.2	39.6
105°	82.4	63.9	58.6	53.3	46.8	42.7	40.7	39.6	40.7	42.7	46.8
107.5°	86.8	70.4	65.4	60.5	54.3	50.2	48.2	47.2	48.2	50.2	54.3
110°	92.6	77.2	72.4	67.7	61.9	58.1	56.4	55.4	56.4	58.1	61.9

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	98.4	84.4	79.8	75.2	69.4	65.6	63.9	62.9	63.9	65.6	69.4
115°	104.9	91.9	87.3	82.7	76.9	73.5	71.4	70.1	71.4	73.5	76.9
117.5°	111.8	98.8	94.5	90.2	83.7	80.7	79.0	77.2	79.0	80.7	83.7
120°	118.3	106.0	101.7	97.4	90.9	87.5	85.8	84.8	85.8	87.5	90.9
122.5°	125.1	113.1	108.5	103.9	97.8	94.0	92.3	91.3	92.3	94.0	97.8
125°	131.6	119.6	115.0	110.4	103.9	100.1	98.1	97.4	98.1	100.1	103.9
127.5°	137.4	125.8	121.2	116.6	109.4	105.6	103.2	102.2	103.2	105.6	109.4
130°	142.5	131.2	126.6	122.0	114.8	110.7	107.7	106.6	107.7	110.7	114.8
132.5°	147.0	136.0	131.6	127.1	120.0	114.8	111.4	110.1	111.4	114.8	120.0
135°	151.4	140.8	136.2	131.6	124.4	119.3	115.5	114.2	115.5	119.3	124.4
137.5°	154.5	144.2	140.0	135.7	128.5	123.0	119.3	117.9	119.3	123.0	128.5
140°	157.6	147.7	143.4	139.1	132.3	126.8	123.4	121.7	123.4	126.8	132.3
142.5°	160.0	150.4	146.4	142.5	135.7	130.9	127.1	125.8	127.1	130.9	135.7
145°	162.0	153.1	149.2	145.3	139.5	134.3	131.2	130.2	131.2	134.3	139.5
147.5°	163.7	155.5	152.1	148.7	142.9	138.4	135.3	134.7	135.3	138.4	142.9
150°	165.4	157.6	154.5	151.4	146.6	142.2	139.5	139.1	139.5	142.2	146.6
152.5°	166.5	160.0	157.0	154.1	150.0	146.3	143.6	143.6	143.6	146.3	150.0
155°	167.8	162.0	159.6	157.2	153.5	150.0	148.0	148.0	148.0	150.0	153.5
157.5°	168.5	163.7	161.8	160.0	156.5	153.5	151.8	151.4	151.8	153.5	156.5
160°	169.5	165.4	163.7	162.0	159.6	156.9	155.5	155.5	155.5	156.9	159.6
162.5°	169.9	166.5	165.1	163.7	161.7	159.6	158.6	158.6	158.6	159.6	161.7
165°	170.2	167.5	166.3	165.1	163.7	162.0	161.3	161.7	161.3	162.0	163.7
167.5°	170.2	168.2	167.4	166.5	165.4	164.1	163.7	164.1	163.7	164.1	165.4
170°	169.9	168.2	167.8	167.5	166.8	165.8	165.4	166.1	165.4	165.8	166.8
172.5°	169.9	168.5	168.4	168.2	167.8	167.1	167.1	167.5	167.1	167.1	167.8
175°	169.5	168.8	168.6	168.5	168.5	167.8	168.2	168.5	168.2	167.8	168.5
177.5°	169.2	168.8	168.8	168.8	168.8	168.5	168.8	169.2	168.8	168.5	168.8
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-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°	3.8	4.1	4.4	5.5	6.5	7.5	8.5	8.2	8.5	8.9	9.2
92.5°	17.4	20.5	23.6	34.5	52.6	70.4	63.6	47.5	33.8	26.3	22.9
95°	31.1	37.8	44.4	73.5	124.4	180.5	202.7	164.4	123.0	83.4	65.3
97.5°	35.9	43.2	50.6	79.3	138.4	232.8	311.7	322.3	282.7	213.3	168.2
100°	41.0	47.6	54.3	78.3	128.9	218.7	323.7	391.0	403.0	375.3	335.3
102.5°	46.8	52.8	58.8	79.6	120.7	198.2	301.5	394.4	443.0	448.8	429.6
105°	53.3	58.6	63.9	82.4	117.6	182.2	274.8	372.9	444.3	478.5	485.0
107.5°	60.5	65.4	70.4	86.8	116.9	170.6	251.2	342.1	423.8	477.5	504.1
110°	67.7	72.4	77.2	92.6	118.6	164.4	231.7	313.4	391.7	454.6	497.6

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	75.2	79.8	84.4	98.4	122.0	161.0	218.7	288.5	359.9	424.5	474.1
115°	82.7	87.3	91.9	104.9	125.8	160.6	210.2	269.3	332.6	392.0	442.3
117.5°	90.2	94.5	98.8	111.8	130.6	161.0	204.4	256.7	311.4	364.0	410.1
120°	97.4	101.7	106.0	118.3	136.0	162.4	200.6	247.1	295.3	341.4	382.5
122.5°	103.9	108.5	113.1	125.1	141.2	164.7	198.2	239.3	282.7	323.3	360.6
125°	110.4	115.0	119.6	131.6	146.6	167.1	196.2	232.8	271.7	309.0	341.8
127.5°	116.6	121.2	125.8	137.4	151.1	169.9	195.2	226.6	261.8	295.6	325.7
130°	122.0	126.6	131.2	142.5	155.5	172.6	194.1	221.8	252.6	283.3	311.0
132.5°	127.1	131.6	136.0	147.0	159.6	174.7	193.8	217.4	244.0	271.7	297.0
135°	131.6	136.2	140.8	151.4	163.0	176.7	193.5	213.6	236.5	260.8	283.0
137.5°	135.7	140.0	144.2	154.5	165.8	178.1	192.8	210.2	229.3	249.8	269.7
140°	139.1	143.4	147.7	157.6	167.8	179.4	192.4	207.1	223.2	240.6	257.0
142.5°	142.5	146.4	150.4	160.0	169.9	180.5	191.7	204.4	217.4	231.7	245.4
145°	145.3	149.2	153.1	162.0	171.2	180.8	191.1	202.0	212.9	224.2	235.2
147.5°	148.7	152.1	155.5	163.7	172.3	180.8	190.0	199.6	209.2	218.4	227.6
150°	151.4	154.5	157.6	165.4	172.6	180.8	188.7	197.2	205.1	212.9	220.1
152.5°	154.1	157.0	160.0	166.5	173.3	179.8	187.0	194.5	201.3	207.8	214.0
155°	157.2	159.6	162.0	167.8	173.3	179.1	184.9	191.7	197.6	203.0	208.2
157.5°	160.0	161.8	163.7	168.5	173.6	178.1	183.2	188.7	193.5	198.2	202.3
160°	162.0	163.7	165.4	169.5	173.6	177.4	181.1	185.6	190.0	193.8	197.2
162.5°	163.7	165.1	166.5	169.9	173.3	176.0	179.1	182.5	185.9	189.0	192.1
165°	165.1	166.3	167.5	170.2	172.6	174.7	177.0	179.8	182.5	184.6	187.0
167.5°	166.5	167.4	168.2	170.2	172.3	173.3	175.0	177.0	179.4	181.1	182.5
170°	167.5	167.8	168.2	169.9	171.2	171.9	172.9	174.7	176.4	177.4	178.8
172.5°	168.2	168.4	168.5	169.9	170.9	170.9	171.2	172.3	173.6	174.3	175.3
175°	168.5	168.6	168.8	169.5	170.2	169.9	169.9	170.6	171.2	171.6	172.3
177.5°	168.8	168.8	168.8	169.2	169.9	169.2	168.8	169.2	169.5	169.9	170.2
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-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°	9.6	9.9	9.6	9.9	10.3	9.9	10.3	9.9	9.6	9.9	9.6
92.5°	21.7	20.5	19.8	18.5	18.8	18.1	18.8	18.5	19.8	20.5	21.7
95°	59.2	53.0	46.5	43.4	41.0	39.6	41.0	43.4	46.5	53.0	59.2
97.5°	148.7	129.2	106.3	93.3	85.1	81.3	85.1	93.3	106.3	129.2	148.7
100°	311.0	286.8	252.2	227.3	214.0	214.3	214.0	227.3	252.2	286.8	311.0
102.5°	416.4	403.3	378.4	359.9	349.3	339.4	349.3	359.9	378.4	403.3	416.4
105°	480.6	476.1	460.4	447.4	436.5	434.8	436.5	447.4	460.4	476.1	480.6
107.5°	508.8	513.4	511.3	505.2	500.7	497.0	500.7	505.2	511.3	513.4	508.8
110°	509.6	521.6	531.1	533.9	533.2	532.5	533.2	533.9	531.1	521.6	509.6

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	490.3	506.5	526.0	535.9	539.3	539.7	539.3	535.9	526.0	506.5	490.3
115°	460.9	479.5	505.2	520.2	527.0	528.7	527.0	520.2	505.2	479.5	460.9
117.5°	429.4	448.8	475.4	492.2	502.4	504.8	502.4	492.2	475.4	448.8	429.4
120°	399.8	417.0	444.0	463.1	471.3	473.4	471.3	463.1	444.0	417.0	399.8
122.5°	376.3	392.0	415.3	432.0	441.3	444.0	441.3	432.0	415.3	392.0	376.3
125°	355.5	369.1	391.0	406.0	414.6	417.0	414.6	406.0	391.0	369.1	355.5
127.5°	338.4	351.0	370.8	383.8	391.7	393.7	391.7	383.8	370.8	351.0	338.4
130°	322.6	334.3	352.4	364.7	371.9	374.6	371.9	364.7	352.4	334.3	322.6
132.5°	308.0	318.9	335.6	347.9	354.1	355.8	354.1	347.9	335.6	318.9	308.0
135°	292.8	302.5	319.2	329.5	335.6	338.0	335.6	329.5	319.2	302.5	292.8
137.5°	278.4	287.1	301.5	312.1	317.2	319.2	317.2	312.1	301.5	287.1	278.4
140°	264.4	271.7	284.7	294.3	299.8	299.4	299.8	294.3	284.7	271.7	264.4
142.5°	251.6	257.7	268.3	276.5	281.3	281.0	281.3	276.5	268.3	257.7	251.6
145°	240.2	245.1	253.6	260.8	263.5	264.2	263.5	260.8	253.6	245.1	240.2
147.5°	231.2	234.8	241.6	246.8	249.5	249.8	249.5	246.8	241.6	234.8	231.2
150°	223.4	226.6	231.7	235.5	237.5	237.5	237.5	235.5	231.7	226.6	223.4
152.5°	216.6	219.1	222.8	226.3	227.3	227.3	227.3	226.3	222.8	219.1	216.6
155°	210.2	212.3	215.3	218.1	218.7	219.1	218.7	218.1	215.3	212.3	210.2
157.5°	204.0	205.8	208.5	210.5	211.2	211.2	211.2	210.5	208.5	205.8	204.0
160°	198.4	199.6	202.0	204.0	204.0	203.7	204.0	204.0	202.0	199.6	198.4
162.5°	193.1	194.1	195.5	197.2	197.2	196.9	197.2	197.2	195.5	194.1	193.1
165°	187.8	188.7	190.0	191.4	191.1	191.1	191.1	191.4	190.0	188.7	187.8
167.5°	183.2	183.9	184.6	185.6	185.3	185.3	185.3	185.6	184.6	183.9	183.2
170°	179.1	179.4	179.8	180.5	180.1	180.1	180.1	180.5	179.8	179.4	179.1
172.5°	175.5	175.7	175.7	176.4	175.7	175.3	175.7	176.4	175.7	175.7	175.5
175°	172.3	172.3	172.3	172.6	172.3	171.9	172.3	172.6	172.3	172.3	172.3
177.5°	170.2	170.2	169.9	170.2	169.5	169.5	169.5	170.2	169.9	170.2	170.2
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-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°	9.2	8.9	8.5	8.2	8.5	7.5	6.5	5.5	4.4	4.1	3.8
92.5°	22.9	26.3	33.8	47.5	63.6	70.4	52.6	34.5	23.6	20.5	17.4
95°	65.3	83.4	123.0	164.4	202.7	180.5	124.4	73.5	44.4	37.8	31.1
97.5°	168.2	213.3	282.7	322.3	311.7	232.8	138.4	79.3	50.6	43.2	35.9
100°	335.3	375.3	403.0	391.0	323.7	218.7	128.9	78.3	54.3	47.6	41.0
102.5°	429.6	448.8	443.0	394.4	301.5	198.2	120.7	79.6	58.8	52.8	46.8
105°	485.0	478.5	444.3	372.9	274.8	182.2	117.6	82.4	63.9	58.6	53.3
107.5°	504.1	477.5	423.8	342.1	251.2	170.6	116.9	86.8	70.4	65.4	60.5
110°	497.6	454.6	391.7	313.4	231.7	164.4	118.6	92.6	77.2	72.4	67.7

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	474.1	424.5	359.9	288.5	218.7	161.0	122.0	98.4	84.4	79.8	75.2
115°	442.3	392.0	332.6	269.3	210.2	160.6	125.8	104.9	91.9	87.3	82.7
117.5°	410.1	364.0	311.4	256.7	204.4	161.0	130.6	111.8	98.8	94.5	90.2
120°	382.5	341.4	295.3	247.1	200.6	162.4	136.0	118.3	106.0	101.7	97.4
122.5°	360.6	323.3	282.7	239.3	198.2	164.7	141.2	125.1	113.1	108.5	103.9
125°	341.8	309.0	271.7	232.8	196.2	167.1	146.6	131.6	119.6	115.0	110.4
127.5°	325.7	295.6	261.8	226.6	195.2	169.9	151.1	137.4	125.8	121.2	116.6
130°	311.0	283.3	252.6	221.8	194.1	172.6	155.5	142.5	131.2	126.6	122.0
132.5°	297.0	271.7	244.0	217.4	193.8	174.7	159.6	147.0	136.0	131.6	127.1
135°	283.0	260.8	236.5	213.6	193.5	176.7	163.0	151.4	140.8	136.2	131.6
137.5°	269.7	249.8	229.3	210.2	192.8	178.1	165.8	154.5	144.2	140.0	135.7
140°	257.0	240.6	223.2	207.1	192.4	179.4	167.8	157.6	147.7	143.4	139.1
142.5°	245.4	231.7	217.4	204.4	191.7	180.5	169.9	160.0	150.4	146.4	142.5
145°	235.2	224.2	212.9	202.0	191.1	180.8	171.2	162.0	153.1	149.2	145.3
147.5°	227.6	218.4	209.2	199.6	190.0	180.8	172.3	163.7	155.5	152.1	148.7
150°	220.1	212.9	205.1	197.2	188.7	180.8	172.6	165.4	157.6	154.5	151.4
152.5°	214.0	207.8	201.3	194.5	187.0	179.8	173.3	166.5	160.0	157.0	154.1
155°	208.2	203.0	197.6	191.7	184.9	179.1	173.3	167.8	162.0	159.6	157.2
157.5°	202.3	198.2	193.5	188.7	183.2	178.1	173.6	168.5	163.7	161.8	160.0
160°	197.2	193.8	190.0	185.6	181.1	177.4	173.6	169.5	165.4	163.7	162.0
162.5°	192.1	189.0	185.9	182.5	179.1	176.0	173.3	169.9	166.5	165.1	163.7
165°	187.0	184.6	182.5	179.8	177.0	174.7	172.6	170.2	167.5	166.3	165.1
167.5°	182.5	181.1	179.4	177.0	175.0	173.3	172.3	170.2	168.2	167.4	166.5
170°	178.8	177.4	176.4	174.7	172.9	171.9	171.2	169.9	168.2	167.8	167.5
172.5°	175.3	174.3	173.6	172.3	171.2	170.9	170.9	169.9	168.5	168.4	168.2
175°	172.3	171.6	171.2	170.6	169.9	169.9	170.2	169.5	168.8	168.6	168.5
177.5°	170.2	169.9	169.5	169.2	168.8	169.2	169.9	169.2	168.8	168.8	168.8
180°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-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°	3.1	2.1	1.4	0.7
92.5°	14.0	10.9	7.5	5.1
95°	22.2	16.4	12.6	11.6
97.5°	27.0	21.9	18.8	18.5
100°	32.8	28.0	25.6	25.3
102.5°	39.6	35.2	33.2	32.5
105°	46.8	42.7	40.7	39.6
107.5°	54.3	50.2	48.2	47.2
110°	61.9	58.1	56.4	55.4

TEST NUMBER: P1011585

CATALOG NUMBER: S123DIP-B340D365UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	69.4	65.6	63.9	62.9
115°	76.9	73.5	71.4	70.1
117.5°	83.7	80.7	79.0	77.2
120°	90.9	87.5	85.8	84.8
122.5°	97.8	94.0	92.3	91.3
125°	103.9	100.1	98.1	97.4
127.5°	109.4	105.6	103.2	102.2
130°	114.8	110.7	107.7	106.6
132.5°	120.0	114.8	111.4	110.1
135°	124.4	119.3	115.5	114.2
137.5°	128.5	123.0	119.3	117.9
140°	132.3	126.8	123.4	121.7
142.5°	135.7	130.9	127.1	125.8
145°	139.5	134.3	131.2	130.2
147.5°	142.9	138.4	135.3	134.7
150°	146.6	142.2	139.5	139.1
152.5°	150.0	146.3	143.6	143.6
155°	153.5	150.0	148.0	148.0
157.5°	156.5	153.5	151.8	151.4
160°	159.6	156.9	155.5	155.5
162.5°	161.7	159.6	158.6	158.6
165°	163.7	162.0	161.3	161.7
167.5°	165.4	164.1	163.7	164.1
170°	166.8	165.8	165.4	166.1
172.5°	167.8	167.1	167.1	167.5
175°	168.5	167.8	168.2	168.5
177.5°	168.8	168.5	168.8	169.2
180°	168.8	168.8	168.8	168.8

(END OF REPORT)