

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: P1011593

Luminaire Tested: S123DIP-B340D585UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011593
REPORT IS A COMBINATION OF REPORTS P989801 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B340D585UB27-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

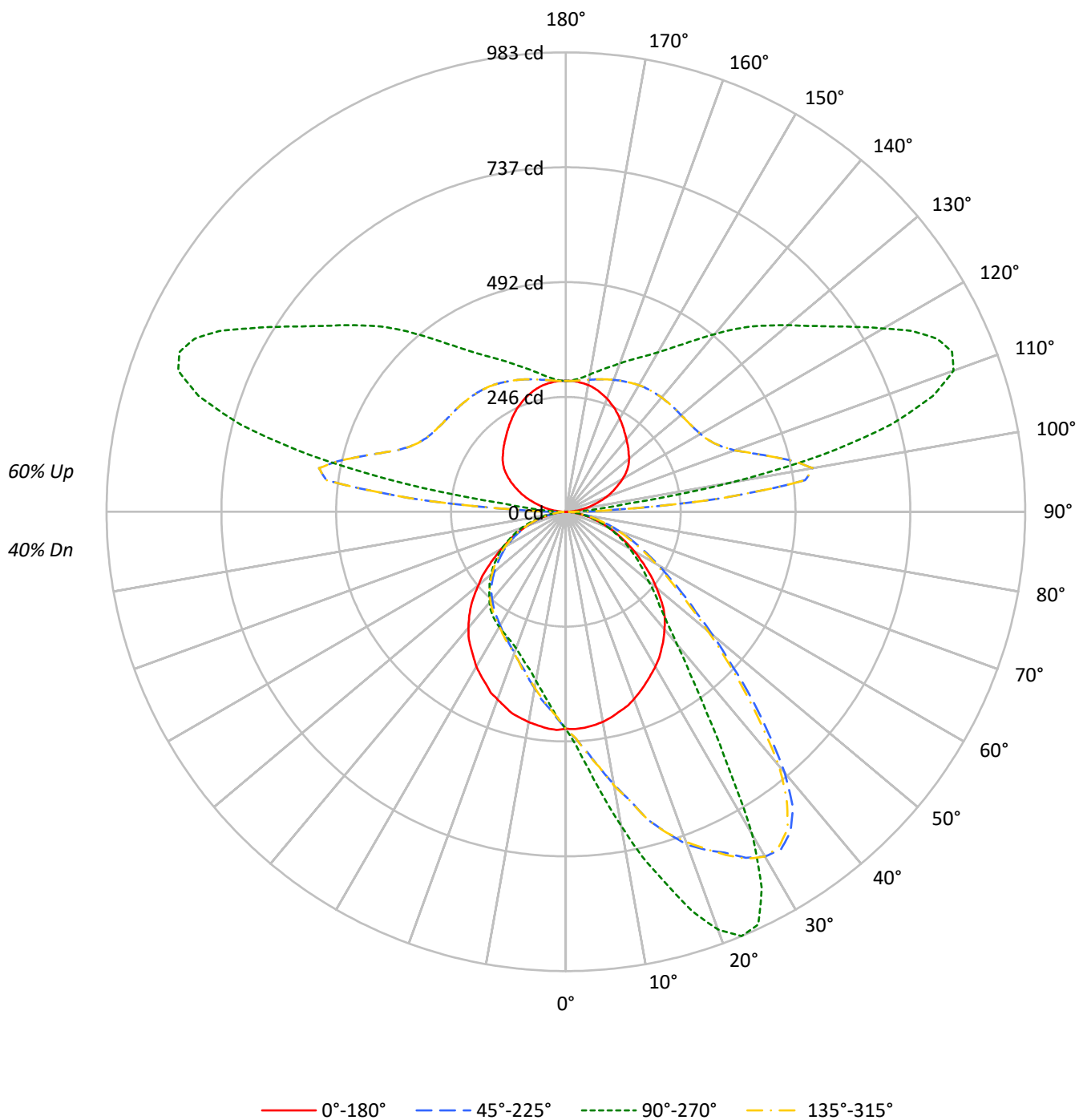
Lumens per Lamp: N/A
Luminaire Lumens: 3508.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 28.4
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47
1	96	92	88	84	87	84	80	77	68	66	64	55	53	52	42	41	40
2	87	80	74	69	79	73	68	64	60	57	53	48	46	44	37	35	34
3	80	71	64	58	72	65	58	54	53	49	45	43	40	37	33	31	29
4	73	63	55	49	66	57	51	45	47	42	39	38	35	32	30	27	25
5	67	56	48	42	61	51	44	39	42	37	33	34	31	28	27	24	22
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	22	19
7	57	45	37	32	52	41	35	30	35	29	26	28	24	21	22	19	17
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	31	25	21	26	22	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4997	4997	4997	4997
5°	4999	5757	5014	4297
10°	4968	6966	4973	3752
15°	4899	8262	4939	3377
20°	4840	9512	4850	3108
25°	4752	9752	4763	2967
30°	4690	8057	4690	2875
35°	4612	5388	4583	2793
40°	4520	3889	4463	2669
45°	4402	3081	4276	2514
50°	4117	2616	3971	2362
55°	3807	2299	3651	2192
60°	3489	2002	3304	2013
65°	3143	1714	2990	1775
70°	2783	1423	2597	1498
75°	2377	1073	2225	1156
80°	1878	717	1732	759
85°	1297	328	1037	299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 8059 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.3
10°-20°	146.6	4.2
20°-30°	246.7	7.0
30°-40°	278.8	7.9
40°-50°	249.7	7.1
50°-60°	201.6	5.7
60°-70°	140.5	4.0
70°-80°	73.7	2.1
80°-90°	19.2	0.5
90°-100°	151.9	4.3
100°-110°	444.7	12.7
110°-120°	434.2	12.4
120°-130°	345.8	9.9
130°-140°	272.8	7.8
140°-150°	203.5	5.8
150°-160°	141.9	4.0
160°-170°	83.4	2.4
170°-180°	27.1	0.8
0°-30°	439.0	12.5
0°-40°	717.8	20.5
0°-60°	1169.1	33.3
0°-90°	1402.5	40.0
90°-120°	1030.8	29.4
90°-150°	1853.0	52.8
90°-180°	2105.0	60.0
0°-180°	3508.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	464	464	464	464	464	
5°	464	552	465	412	464	44
15°	443	821	446	336	443	125
25°	405	974	406	296	405	187
35°	357	525	355	272	357	224
45°	296	283	288	231	296	227
55°	210	192	202	184	210	188
65°	130	125	124	130	130	129
75°	62	64	58	69	62	67
85°	14	15	11	14	14	16
90°	1	16	1	16	1	2
95°	19	66	19	66	19	20
105°	66	721	66	721	66	70
115°	116	876	116	876	116	115
125°	162	691	162	691	162	143
135°	189	560	189	560	189	146
145°	216	438	216	438	216	135
155°	245	363	245	363	245	113
165°	268	317	268	317	268	76
175°	279	285	279	285	279	27
180°	280	280	280	280	280	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	465.5	469.1	470.9	473.6	476.3	480.4	481.7	484.0	483.1	484.9	485.8
5°	463.7	470.0	475.4	482.2	488.5	493.0	497.5	504.7	510.1	511.0	515.0
7.5°	460.6	469.6	479.0	488.5	500.6	507.8	515.9	525.8	533.9	547.0	551.9
10°	456.5	469.1	482.6	495.7	512.3	523.6	533.5	550.1	566.7	580.2	592.8
12.5°	450.2	466.0	483.5	502.9	524.5	537.5	551.0	573.0	598.2	618.9	632.4
15°	442.6	462.4	484.9	505.6	529.4	553.7	568.1	592.8	628.8	648.2	682.8
17.5°	436.3	456.5	479.0	511.4	543.8	568.1	578.4	623.9	648.6	681.0	720.1
20°	426.4	452.0	480.8	513.2	555.0	569.9	591.0	636.9	667.5	709.8	757.9
22.5°	416.1	443.5	478.1	511.9	558.6	574.4	603.2	639.6	688.2	730.0	783.1
25°	404.8	434.5	469.6	509.6	555.5	578.4	605.4	650.4	703.0	755.7	804.7
27.5°	393.6	426.0	462.4	502.4	547.0	573.9	600.9	647.7	715.2	772.3	834.8
30°	382.8	415.2	451.6	492.5	539.3	565.4	591.0	649.5	724.6	788.9	851.9
32.5°	371.1	404.4	442.6	476.8	524.0	551.9	580.7	649.5	730.5	798.8	856.4
35°	357.1	391.3	424.2	458.3	505.1	536.2	568.5	645.0	735.9	802.0	837.5
37.5°	343.6	373.8	402.1	435.4	484.4	517.7	555.0	639.6	733.2	788.5	798.4
40°	328.4	358.5	381.4	412.5	464.2	502.9	540.7	632.4	721.5	756.6	727.8
42.5°	313.5	337.3	357.1	387.3	443.5	481.3	522.2	619.4	698.5	705.7	641.0
45°	296.4	313.5	331.1	365.2	421.0	459.7	505.1	600.5	661.7	641.0	559.1
47.5°	274.4	289.7	309.0	340.5	397.2	437.2	480.4	576.2	608.1	564.9	475.4
50°	253.2	266.3	284.3	314.9	372.0	411.1	457.0	538.0	553.7	485.8	409.8
52.5°	232.1	242.0	259.5	290.1	347.2	385.0	426.9	498.8	489.8	417.0	349.5
55°	210.1	218.6	235.2	265.4	318.5	354.4	394.5	450.7	427.3	358.0	304.1
57.5°	188.5	197.5	214.6	239.7	289.7	324.8	356.7	400.8	365.7	310.4	262.7
60°	169.1	176.8	189.8	214.6	260.0	288.3	317.6	347.7	318.5	264.9	228.5
62.5°	148.9	156.1	168.2	190.7	229.8	255.0	278.4	303.2	270.8	231.6	199.3
65°	130.0	135.8	147.1	167.8	199.7	220.4	239.3	256.4	230.3	194.3	170.0
67.5°	112.9	117.8	127.3	145.7	172.7	187.6	202.9	217.3	195.2	166.4	145.7
70°	94.5	98.5	107.1	120.5	142.1	157.4	168.7	179.5	159.7	136.7	122.8
72.5°	78.3	82.3	87.7	101.7	116.5	125.9	138.1	143.9	132.7	113.8	99.9
75°	62.5	65.7	70.6	79.6	93.6	99.9	107.5	112.0	101.7	89.1	80.5
77.5°	49.0	50.4	54.0	60.3	69.7	76.9	82.8	85.5	78.3	70.2	63.0
80°	34.6	36.4	39.1	44.5	51.7	54.0	57.6	60.7	56.2	49.0	44.5
82.5°	22.9	25.2	26.5	28.8	33.3	36.0	36.9	39.6	35.5	32.8	31.0
85°	13.5	14.4	14.8	16.2	18.4	19.8	21.1	21.6	20.7	20.2	18.4
87.5°	6.7	6.7	6.7	7.6	8.1	9.0	9.4	9.4	9.4	9.0	8.5
90°	1.1	2.3	3.4	5.1	6.2	6.8	7.4	9.1	10.8	12.5	14.2
92.5°	8.5	12.5	18.1	23.2	28.9	34.0	39.1	57.2	87.3	116.7	105.4
95°	19.3	21.0	27.2	36.8	51.6	62.6	73.7	121.8	206.2	299.2	336.0
97.5°	30.6	31.2	36.3	44.8	59.5	71.7	83.9	131.5	229.5	385.9	516.7
100°	41.9	42.5	46.5	54.4	68.0	79.0	90.1	129.8	213.6	362.6	536.6
102.5°	53.8	55.0	58.4	65.7	77.6	87.6	97.5	132.0	200.0	328.6	499.7
105°	65.7	67.4	70.8	77.6	88.4	97.2	106.0	136.6	194.9	302.0	455.5
107.5°	78.2	79.9	83.3	90.1	100.3	108.5	116.7	143.9	193.8	282.7	416.5
110°	91.8	93.5	96.3	102.6	112.2	120.2	128.1	153.5	196.6	272.5	384.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	104.3	106.0	108.8	115.0	124.7	132.4	140.0	163.2	202.3	266.9	362.6
115°	116.2	118.4	121.8	127.5	137.1	144.8	152.4	173.9	208.5	266.3	348.5
117.5°	128.1	130.9	133.7	138.8	149.6	156.6	163.7	185.3	216.4	266.9	338.8
120°	140.5	142.2	145.1	150.7	161.5	168.6	175.6	196.0	225.5	269.1	332.6
122.5°	151.3	153.0	155.8	162.0	172.2	179.8	187.5	207.4	234.0	273.1	328.6
125°	161.5	162.6	166.0	172.2	183.0	190.6	198.3	218.1	243.1	277.1	325.2
127.5°	169.4	171.1	175.1	181.3	193.2	200.8	208.5	227.8	250.4	281.6	323.5
130°	176.8	178.5	183.6	190.4	202.3	210.0	217.6	236.3	257.8	286.1	321.8
132.5°	182.4	184.7	190.4	198.9	210.8	218.2	225.5	243.6	264.6	289.5	321.3
135°	189.2	191.5	197.7	206.2	218.1	225.8	233.4	251.0	270.3	292.9	320.7
137.5°	195.5	197.7	204.0	213.0	224.9	232.0	239.1	256.1	274.8	295.2	319.6
140°	201.7	204.5	210.2	219.3	230.6	237.7	244.8	261.2	278.2	297.5	319.0
142.5°	208.5	210.8	217.0	224.9	236.3	242.8	249.3	265.2	281.6	299.2	317.9
145°	215.9	217.6	222.7	231.2	240.8	247.3	253.8	268.6	283.9	299.7	316.7
147.5°	223.2	224.4	229.5	236.8	246.5	252.2	257.8	271.4	285.6	299.7	315.0
150°	230.6	231.2	235.7	243.1	251.0	256.1	261.2	274.2	286.1	299.7	312.8
152.5°	238.0	238.0	242.5	248.7	255.5	260.4	265.2	275.9	287.3	298.0	309.9
155°	245.3	245.3	248.7	254.4	260.6	264.6	268.6	278.2	287.3	296.9	306.5
157.5°	251.0	251.6	254.4	259.5	265.2	268.3	271.4	279.3	287.8	295.2	303.7
160°	257.8	257.8	260.1	264.6	268.6	271.4	274.2	281.0	287.8	294.1	300.3
162.5°	262.9	262.9	264.6	268.0	271.4	273.6	275.9	281.6	287.3	291.8	296.9
165°	268.0	267.4	268.6	271.4	273.7	275.6	277.6	282.2	286.1	289.5	293.5
167.5°	272.0	271.4	272.0	274.2	275.9	277.4	278.8	282.2	285.6	287.3	290.1
170°	275.4	274.2	274.8	276.5	277.6	278.2	278.8	281.6	283.9	285.0	286.7
172.5°	277.6	277.1	277.1	278.2	278.8	279.0	279.3	281.6	283.3	283.3	283.9
175°	279.3	278.8	278.2	279.3	279.3	279.6	279.9	281.0	282.2	281.6	281.6
177.5°	280.5	279.9	279.3	279.9	279.9	279.9	279.9	280.5	281.6	280.5	279.9
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	488.9	489.8	493.0	495.2	499.7	499.3	499.3	498.8	497.5	499.7	501.1
5°	523.1	530.8	531.7	541.6	542.0	546.1	548.8	546.5	551.9	551.5	547.4
7.5°	565.4	575.7	580.7	590.1	600.9	598.2	608.6	610.4	609.5	614.0	617.1
10°	611.7	629.7	642.3	659.9	664.3	667.0	673.8	679.6	691.3	682.3	688.2
12.5°	664.8	677.8	694.5	722.4	736.3	745.3	748.5	752.5	760.6	755.7	756.1
15°	709.3	726.9	755.2	789.8	793.9	805.1	802.4	826.7	838.4	820.9	830.8
17.5°	755.7	779.0	812.8	842.9	860.0	867.7	874.9	898.2	897.3	894.6	896.9
20°	785.3	823.6	865.4	905.4	910.4	916.2	935.6	945.5	943.7	951.3	956.3
22.5°	827.2	867.7	912.2	938.7	950.0	956.7	972.0	978.3	981.0	982.8	979.7
25°	862.3	905.4	938.3	961.7	968.4	972.0	977.0	978.8	977.4	974.3	977.0
27.5°	886.1	920.7	943.2	954.0	950.4	944.6	935.1	928.8	914.9	908.1	916.2
30°	896.0	911.3	918.0	900.0	882.1	867.7	849.7	816.4	790.3	797.9	787.6
32.5°	880.3	870.4	838.0	791.6	777.7	754.3	703.5	664.3	665.7	645.0	653.6
35°	833.9	788.9	727.8	657.6	639.2	626.6	570.8	562.2	544.3	524.9	530.3
37.5°	752.1	686.4	612.2	560.4	533.0	505.6	474.1	455.2	444.4	436.3	442.6
40°	652.2	572.1	511.0	464.6	441.3	423.7	402.1	383.2	371.1	369.7	372.0
42.5°	554.1	486.7	430.5	386.4	378.7	358.0	344.1	329.3	325.7	319.8	323.0
45°	469.1	414.3	367.9	331.9	323.0	317.6	300.5	291.0	287.0	283.4	288.8
47.5°	407.5	349.9	316.2	294.6	285.6	276.6	267.2	260.9	257.7	258.2	257.7
50°	348.1	305.9	276.2	259.5	254.1	247.8	240.2	236.1	234.8	230.7	233.9
52.5°	299.6	269.0	248.3	232.5	228.5	224.0	217.7	215.5	212.3	211.4	211.4
55°	260.4	236.6	220.0	209.6	204.7	201.1	197.5	194.8	192.5	192.5	192.5
57.5°	229.8	209.2	197.0	188.0	186.2	182.6	178.6	178.6	175.4	175.0	176.3
60°	203.8	185.3	175.9	168.2	165.5	164.6	160.6	160.6	159.7	157.4	159.2
62.5°	177.2	163.7	155.6	149.8	147.1	147.1	143.9	141.7	141.7	142.1	141.2
65°	152.9	143.0	135.8	131.3	130.0	128.2	127.7	125.9	124.6	125.0	124.6
67.5°	131.3	123.7	118.7	115.1	112.9	112.0	110.6	110.6	109.8	110.2	108.0
70°	112.0	104.4	100.3	96.7	95.8	95.8	94.0	94.5	93.6	94.9	94.0
72.5°	92.2	86.4	83.2	81.9	81.0	80.5	79.6	78.7	78.3	79.2	78.7
75°	74.7	69.7	67.5	66.6	65.7	65.7	65.2	64.8	64.3	64.3	64.3
77.5°	58.0	54.9	52.2	53.1	51.7	52.2	50.8	50.8	51.3	50.8	50.8
80°	42.7	40.5	40.5	39.6	37.8	38.7	38.7	37.3	36.9	37.8	36.4
82.5°	28.3	27.9	27.0	26.5	25.6	26.1	25.6	25.2	24.7	25.6	24.7
85°	16.6	16.6	16.2	15.3	16.2	15.7	15.3	15.3	14.8	14.8	14.8
87.5°	8.5	7.6	7.6	7.2	7.6	6.7	7.2	6.7	6.3	6.7	6.3
90°	13.6	14.2	14.7	15.3	15.8	16.4	15.9	16.4	17.0	16.4	17.0
92.5°	78.8	56.1	43.6	38.0	36.0	34.0	32.9	30.6	31.2	30.0	31.2
95°	272.5	204.0	138.3	108.2	98.0	87.8	77.1	72.0	68.0	65.7	68.0
97.5°	534.3	468.6	353.6	278.8	246.5	214.2	176.2	154.7	141.1	134.9	141.1
100°	648.2	668.0	622.1	555.8	515.6	475.4	418.2	376.8	354.7	355.3	354.7
102.5°	653.9	734.3	743.9	712.2	690.4	668.6	627.2	596.6	579.1	562.6	579.1
105°	618.2	736.6	793.2	804.0	796.6	789.3	763.2	741.7	723.6	720.7	723.6
107.5°	567.2	702.6	791.5	835.7	843.4	851.0	847.6	837.4	830.1	823.8	830.1
110°	519.6	649.3	753.6	825.0	844.8	864.6	880.5	885.0	883.9	882.8	883.9

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	478.2	596.6	703.7	785.9	812.8	839.7	872.0	888.4	894.1	894.7	894.1
115°	446.5	551.3	649.9	733.2	764.0	794.9	837.4	862.4	873.7	876.5	873.7
117.5°	425.5	516.2	603.4	679.9	711.9	743.9	788.1	815.9	832.9	836.9	832.9
120°	409.7	489.5	566.0	634.0	662.6	691.3	736.0	767.7	781.3	784.7	781.3
122.5°	396.6	468.6	536.0	597.8	623.8	649.9	688.4	716.2	731.5	736.0	731.5
125°	385.9	450.4	512.2	566.6	589.2	611.9	648.2	673.1	687.3	691.3	687.3
127.5°	375.7	434.0	490.1	540.0	561.0	581.9	614.8	636.3	649.3	652.7	649.3
130°	367.7	418.7	469.7	515.6	534.8	554.1	584.2	604.6	616.5	621.0	616.5
132.5°	360.4	404.6	450.4	492.4	510.5	528.6	556.4	576.8	587.0	589.8	587.0
135°	354.1	392.1	432.3	469.1	485.2	501.4	529.2	546.2	556.4	560.4	556.4
137.5°	348.5	380.2	414.2	447.0	461.4	475.9	499.7	517.3	525.8	529.2	525.8
140°	343.4	370.0	398.9	426.1	438.2	450.4	472.0	487.8	496.9	496.3	496.9
142.5°	338.8	360.4	384.2	406.8	417.0	427.2	444.8	458.4	466.3	465.7	466.3
145°	334.9	353.0	371.7	389.8	398.0	406.3	420.4	432.3	436.9	438.0	436.9
147.5°	330.9	346.8	362.1	377.4	383.4	389.3	400.6	409.1	413.6	414.2	413.6
150°	326.9	340.0	353.0	364.9	370.3	375.7	384.2	390.4	393.8	393.8	393.8
152.5°	322.4	333.7	344.5	354.7	359.0	363.2	369.4	375.1	376.8	376.8	376.8
155°	317.9	327.5	336.6	345.1	348.5	351.9	357.0	361.5	362.6	363.2	362.6
157.5°	312.8	320.7	328.6	335.4	338.2	341.1	345.6	349.0	350.2	350.2	350.2
160°	307.7	315.0	321.3	326.9	328.9	330.9	334.9	338.3	338.3	337.7	338.3
162.5°	302.6	308.2	313.3	318.4	320.1	321.8	324.1	326.9	326.9	326.4	326.9
165°	298.0	302.6	306.0	309.9	311.4	312.8	315.0	317.3	316.7	316.7	316.7
167.5°	293.5	297.5	300.3	302.6	303.7	304.8	306.0	307.7	307.1	307.1	307.1
170°	289.5	292.4	294.1	296.3	296.9	297.5	298.0	299.2	298.6	298.6	298.6
172.5°	285.6	287.8	289.0	290.7	291.0	291.2	291.2	292.4	291.2	290.7	291.2
175°	282.7	283.9	284.4	285.6	285.6	285.6	285.6	286.1	285.6	285.0	285.6
177.5°	280.5	281.0	281.6	282.2	282.2	282.2	281.6	282.2	281.0	281.0	281.0
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	497.5	498.8	495.2	494.3	494.3	496.1	494.8	482.6	484.9	482.2	481.3
5°	552.4	549.7	546.1	544.3	542.0	535.7	535.3	521.3	518.6	509.6	505.6
7.5°	612.6	610.4	599.6	598.2	597.3	591.5	576.6	561.8	551.0	540.7	530.8
10°	681.4	674.7	669.7	659.9	654.9	646.8	627.5	613.5	595.1	579.3	558.6
12.5°	764.2	756.6	739.9	732.7	726.4	703.9	684.6	668.8	632.9	622.1	596.4
15°	824.9	808.7	806.9	791.2	790.3	765.6	728.7	711.6	683.7	644.1	617.6
17.5°	890.6	876.2	865.0	846.1	843.4	820.0	793.0	751.2	720.6	682.8	649.1
20°	938.7	931.1	911.7	904.1	888.3	868.6	840.7	788.9	751.6	713.8	672.4
22.5°	977.0	969.3	954.0	943.7	934.7	909.0	875.8	831.7	780.4	730.9	688.2
25°	976.5	974.3	968.0	963.0	956.3	937.4	909.5	867.2	810.1	755.7	696.3
27.5°	921.2	927.5	938.3	943.7	942.3	939.6	923.9	888.3	837.1	772.3	705.7
30°	806.0	829.0	849.2	876.2	884.3	904.1	913.1	892.8	851.9	791.6	717.9
32.5°	668.4	701.7	745.8	760.6	786.2	824.5	867.2	874.9	849.2	802.9	725.5
35°	548.3	575.7	609.9	633.3	656.3	718.3	772.3	819.1	827.6	797.0	723.7
37.5°	453.8	473.2	503.3	523.1	544.3	597.3	672.9	733.6	776.3	777.2	718.8
40°	385.5	394.0	420.1	434.5	454.7	500.6	568.1	647.3	709.8	738.6	705.7
42.5°	326.6	337.8	359.4	370.2	383.2	423.3	467.8	542.9	620.3	681.9	681.4
45°	291.5	299.6	309.5	318.5	333.3	357.1	408.0	464.2	538.4	608.1	635.6
47.5°	260.4	268.1	278.0	280.7	290.6	313.1	344.1	393.1	462.4	531.7	583.4
50°	234.3	240.6	247.4	252.3	256.8	275.3	298.7	340.0	395.4	462.4	526.7
52.5°	214.1	218.6	224.4	227.1	231.2	244.7	262.7	293.3	338.7	399.9	462.4
55°	195.2	198.4	202.0	206.5	208.3	218.2	232.1	258.2	291.9	346.8	406.2
57.5°	177.7	179.0	181.3	184.0	186.2	194.8	206.9	224.4	254.1	296.4	352.6
60°	157.9	161.5	162.8	165.5	166.9	173.6	183.1	197.9	220.9	257.3	299.6
62.5°	141.2	143.5	145.7	147.1	150.2	152.5	160.1	173.6	192.5	219.5	257.7
65°	126.4	127.3	128.6	130.0	130.9	133.6	140.8	149.8	164.2	188.0	217.7
67.5°	109.3	110.2	112.0	112.4	113.3	116.9	121.0	128.6	140.8	158.8	183.1
70°	92.7	94.0	94.9	95.8	97.2	98.5	103.0	109.3	118.7	131.3	150.2
72.5°	78.3	79.6	79.6	80.5	80.1	81.9	86.4	90.9	97.2	107.5	124.1
75°	63.9	63.9	64.8	65.2	65.7	67.5	69.3	72.9	77.8	85.9	96.3
77.5°	50.4	49.9	50.8	50.8	50.8	52.2	54.0	55.8	58.9	64.8	72.9
80°	36.9	36.9	37.8	38.2	37.3	37.8	38.7	40.5	42.7	46.8	51.3
82.5°	24.3	26.1	25.6	26.1	25.6	26.5	27.0	27.4	28.3	30.1	33.3
85°	14.8	14.8	14.8	15.3	14.8	15.3	15.3	15.3	15.7	16.6	18.0
87.5°	6.3	6.3	6.3	6.7	6.3	6.3	6.7	6.3	6.7	6.7	7.2
90°	16.4	15.9	16.4	15.8	15.3	14.7	14.2	13.6	14.2	12.5	10.8
92.5°	30.6	32.9	34.0	36.0	38.0	43.6	56.1	78.8	105.4	116.7	87.3
95°	72.0	77.1	87.8	98.0	108.2	138.3	204.0	272.5	336.0	299.2	206.2
97.5°	154.7	176.2	214.2	246.5	278.8	353.6	468.6	534.3	516.7	385.9	229.5
100°	376.8	418.2	475.4	515.6	555.8	622.1	668.0	648.2	536.6	362.6	213.6
102.5°	596.6	627.2	668.6	690.4	712.2	743.9	734.3	653.9	499.7	328.6	200.0
105°	741.7	763.2	789.3	796.6	804.0	793.2	736.6	618.2	455.5	302.0	194.9
107.5°	837.4	847.6	851.0	843.4	835.7	791.5	702.6	567.2	416.5	282.7	193.8
110°	885.0	880.5	864.6	844.8	825.0	753.6	649.3	519.6	384.2	272.5	196.6

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	888.4	872.0	839.7	812.8	785.9	703.7	596.6	478.2	362.6	266.9	202.3
115°	862.4	837.4	794.9	764.0	733.2	649.9	551.3	446.5	348.5	266.3	208.5
117.5°	815.9	788.1	743.9	711.9	679.9	603.4	516.2	425.5	338.8	266.9	216.4
120°	767.7	736.0	691.3	662.6	634.0	566.0	489.5	409.7	332.6	269.1	225.5
122.5°	716.2	688.4	649.9	623.8	597.8	536.0	468.6	396.6	328.6	273.1	234.0
125°	673.1	648.2	611.9	589.2	566.6	512.2	450.4	385.9	325.2	277.1	243.1
127.5°	636.3	614.8	581.9	561.0	540.0	490.1	434.0	375.7	323.5	281.6	250.4
130°	604.6	584.2	554.1	534.8	515.6	469.7	418.7	367.7	321.8	286.1	257.8
132.5°	576.8	556.4	528.6	510.5	492.4	450.4	404.6	360.4	321.3	289.5	264.6
135°	546.2	529.2	501.4	485.2	469.1	432.3	392.1	354.1	320.7	292.9	270.3
137.5°	517.3	499.7	475.9	461.4	447.0	414.2	380.2	348.5	319.6	295.2	274.8
140°	487.8	472.0	450.4	438.2	426.1	398.9	370.0	343.4	319.0	297.5	278.2
142.5°	458.4	444.8	427.2	417.0	406.8	384.2	360.4	338.8	317.9	299.2	281.6
145°	432.3	420.4	406.3	398.0	389.8	371.7	353.0	334.9	316.7	299.7	283.9
147.5°	409.1	400.6	389.3	383.4	377.4	362.1	346.8	330.9	315.0	299.7	285.6
150°	390.4	384.2	375.7	370.3	364.9	353.0	340.0	326.9	312.8	299.7	286.1
152.5°	375.1	369.4	363.2	359.0	354.7	344.5	333.7	322.4	309.9	298.0	287.3
155°	361.5	357.0	351.9	348.5	345.1	336.6	327.5	317.9	306.5	296.9	287.3
157.5°	349.0	345.6	341.1	338.2	335.4	328.6	320.7	312.8	303.7	295.2	287.8
160°	338.3	334.9	330.9	328.9	326.9	321.3	315.0	307.7	300.3	294.1	287.8
162.5°	326.9	324.1	321.8	320.1	318.4	313.3	308.2	302.6	296.9	291.8	287.3
165°	317.3	315.0	312.8	311.4	309.9	306.0	302.6	298.0	293.5	289.5	286.1
167.5°	307.7	306.0	304.8	303.7	302.6	300.3	297.5	293.5	290.1	287.3	285.6
170°	299.2	298.0	297.5	296.9	296.3	294.1	292.4	289.5	286.7	285.0	283.9
172.5°	292.4	291.2	291.2	291.0	290.7	289.0	287.8	285.6	283.9	283.3	283.3
175°	286.1	285.6	285.6	285.6	285.6	284.4	283.9	282.7	281.6	281.6	282.2
177.5°	282.2	281.6	282.2	282.2	282.2	281.6	281.0	280.5	279.9	280.5	281.6
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	476.8	475.4	475.4	474.5	471.8	466.9	466.4	467.3	464.6	461.9	457.9
5°	500.2	491.6	488.9	486.2	480.8	471.8	468.2	465.1	460.1	454.3	448.0
7.5°	520.0	507.8	504.2	499.3	488.5	475.9	467.8	461.0	454.3	446.2	438.6
10°	544.7	527.2	518.6	511.4	496.6	479.0	466.9	457.0	446.2	436.3	426.4
12.5°	572.6	544.3	541.6	524.0	506.9	480.8	466.0	451.6	437.2	425.1	414.7
15°	596.0	564.9	553.7	542.0	509.2	476.8	462.4	446.2	429.6	416.5	401.2
17.5°	610.8	585.2	561.3	545.6	511.4	482.6	454.7	436.3	418.8	400.8	388.2
20°	628.8	591.5	570.8	549.7	515.9	478.1	450.2	427.3	405.7	389.5	374.2
22.5°	646.8	596.4	579.3	556.4	516.8	473.6	442.1	419.2	394.5	378.3	361.6
25°	645.0	603.6	575.3	555.9	507.8	469.6	432.7	405.7	382.8	362.1	345.4
27.5°	646.4	595.5	566.7	544.3	501.5	463.7	422.8	394.5	370.6	349.0	331.5
30°	646.8	583.4	558.2	531.2	489.8	449.8	411.6	382.8	357.6	334.2	318.5
32.5°	645.5	573.5	542.0	517.7	471.4	436.3	398.5	367.9	342.3	320.7	305.9
35°	642.3	561.8	525.4	494.8	452.5	417.0	386.4	354.9	327.5	307.7	290.6
37.5°	633.8	549.2	507.8	477.7	430.5	394.5	367.5	341.4	314.9	291.5	277.1
40°	627.5	532.1	490.3	457.4	406.6	371.5	349.0	324.3	298.2	277.1	263.1
42.5°	613.1	515.9	472.3	433.2	383.2	347.2	326.1	306.3	283.8	263.1	250.5
45°	589.7	498.4	450.2	410.7	357.6	323.4	304.1	287.9	268.1	248.3	235.7
47.5°	556.8	473.2	426.9	387.3	332.4	297.8	278.4	266.3	250.5	233.9	223.1
50°	521.3	445.7	403.0	363.9	308.1	274.4	255.5	244.2	233.9	218.6	208.3
52.5°	475.0	416.5	375.6	338.2	282.0	249.6	233.0	224.9	214.1	203.3	194.3
55°	430.0	378.7	345.0	309.5	256.4	226.2	210.1	201.5	195.2	186.2	179.0
57.5°	377.8	343.6	312.6	280.2	232.5	205.1	189.8	179.5	175.4	171.4	164.6
60°	329.7	303.6	278.4	251.4	207.8	183.1	168.2	160.1	156.1	153.4	148.9
62.5°	285.6	265.4	243.8	222.2	182.6	160.1	148.9	140.8	137.2	136.7	132.7
65°	243.3	228.9	211.4	190.3	159.2	139.4	128.6	123.7	119.6	119.6	116.5
67.5°	201.1	191.2	177.2	162.4	138.1	119.6	109.8	105.3	103.0	103.0	100.8
70°	167.3	160.6	148.0	134.9	113.8	99.9	92.2	88.2	86.8	87.3	85.5
72.5°	135.8	128.6	118.3	108.9	93.1	82.8	77.4	72.9	70.6	71.1	70.6
75°	105.3	101.7	92.7	85.5	72.9	65.7	60.7	58.5	56.7	57.1	56.2
77.5°	79.2	73.8	68.8	63.9	56.2	50.4	46.3	44.1	42.7	42.7	42.7
80°	54.0	53.1	49.0	46.3	40.0	35.5	32.4	31.9	30.6	30.6	30.6
82.5°	35.1	32.8	30.6	28.8	25.2	22.5	21.1	20.2	19.8	19.3	20.2
85°	19.3	18.0	17.1	15.3	13.9	12.6	11.2	10.8	10.3	10.8	10.3
87.5°	7.6	6.3	6.3	5.8	5.4	4.9	4.9	4.0	4.0	3.6	3.6
90°	9.1	7.4	6.8	6.2	5.1	3.4	2.3	1.1	2.3	3.4	5.1
92.5°	57.2	39.1	34.0	28.9	23.2	18.1	12.5	8.5	12.5	18.1	23.2
95°	121.8	73.7	62.6	51.6	36.8	27.2	21.0	19.3	21.0	27.2	36.8
97.5°	131.5	83.9	71.7	59.5	44.8	36.3	31.2	30.6	31.2	36.3	44.8
100°	129.8	90.1	79.0	68.0	54.4	46.5	42.5	41.9	42.5	46.5	54.4
102.5°	132.0	97.5	87.6	77.6	65.7	58.4	55.0	53.8	55.0	58.4	65.7
105°	136.6	106.0	97.2	88.4	77.6	70.8	67.4	65.7	67.4	70.8	77.6
107.5°	143.9	116.7	108.5	100.3	90.1	83.3	79.9	78.2	79.9	83.3	90.1
110°	153.5	128.1	120.2	112.2	102.6	96.3	93.5	91.8	93.5	96.3	102.6

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	163.2	140.0	132.4	124.7	115.0	108.8	106.0	104.3	106.0	108.8	115.0
115°	173.9	152.4	144.8	137.1	127.5	121.8	118.4	116.2	118.4	121.8	127.5
117.5°	185.3	163.7	156.6	149.6	138.8	133.7	130.9	128.1	130.9	133.7	138.8
120°	196.0	175.6	168.6	161.5	150.7	145.1	142.2	140.5	142.2	145.1	150.7
122.5°	207.4	187.5	179.8	172.2	162.0	155.8	153.0	151.3	153.0	155.8	162.0
125°	218.1	198.3	190.6	183.0	172.2	166.0	162.6	161.5	162.6	166.0	172.2
127.5°	227.8	208.5	200.8	193.2	181.3	175.1	171.1	169.4	171.1	175.1	181.3
130°	236.3	217.6	210.0	202.3	190.4	183.6	178.5	176.8	178.5	183.6	190.4
132.5°	243.6	225.5	218.2	210.8	198.9	190.4	184.7	182.4	184.7	190.4	198.9
135°	251.0	233.4	225.8	218.1	206.2	197.7	191.5	189.2	191.5	197.7	206.2
137.5°	256.1	239.1	232.0	224.9	213.0	204.0	197.7	195.5	197.7	204.0	213.0
140°	261.2	244.8	237.7	230.6	219.3	210.2	204.5	201.7	204.5	210.2	219.3
142.5°	265.2	249.3	242.8	236.3	224.9	217.0	210.8	208.5	210.8	217.0	224.9
145°	268.6	253.8	247.3	240.8	231.2	222.7	217.6	215.9	217.6	222.7	231.2
147.5°	271.4	257.8	252.2	246.5	236.8	229.5	224.4	223.2	224.4	229.5	236.8
150°	274.2	261.2	256.1	251.0	243.1	235.7	231.2	230.6	231.2	235.7	243.1
152.5°	275.9	265.2	260.4	255.5	248.7	242.5	238.0	238.0	238.0	242.5	248.7
155°	278.2	268.6	264.6	260.6	254.4	248.7	245.3	245.3	245.3	248.7	254.4
157.5°	279.3	271.4	268.3	265.2	259.5	254.4	251.6	251.0	251.6	254.4	259.5
160°	281.0	274.2	271.4	268.6	264.6	260.1	257.8	257.8	257.8	260.1	264.6
162.5°	281.6	275.9	273.6	271.4	268.0	264.6	262.9	262.9	262.9	264.6	268.0
165°	282.2	277.6	275.6	273.7	271.4	268.6	267.4	268.0	267.4	268.6	271.4
167.5°	282.2	278.8	277.4	275.9	274.2	272.0	271.4	272.0	271.4	272.0	274.2
170°	281.6	278.8	278.2	277.6	276.5	274.8	274.2	275.4	274.2	274.8	276.5
172.5°	281.6	279.3	279.0	278.8	278.2	277.1	277.1	277.6	277.1	277.1	278.2
175°	281.0	279.9	279.6	279.3	279.3	278.2	278.8	279.3	278.8	278.2	279.3
177.5°	280.5	279.9	279.9	279.9	279.9	279.3	279.9	280.5	279.9	279.3	279.9
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	457.0	456.5	457.4	454.7	450.2	448.0	441.7	440.4	439.9	440.4	440.8
5°	444.4	443.9	442.6	438.1	432.7	428.7	421.0	420.6	417.9	415.2	416.5
7.5°	432.3	430.5	427.8	421.9	414.7	410.2	403.9	399.4	395.8	393.6	391.8
10°	420.1	417.4	414.7	407.1	398.1	391.3	383.7	380.1	376.0	374.2	372.4
12.5°	404.4	401.7	396.7	387.7	382.3	373.8	366.1	362.5	360.3	356.7	354.4
15°	391.8	386.4	383.7	374.2	363.0	362.1	348.1	347.2	342.7	342.7	339.1
17.5°	377.4	373.3	368.4	358.9	350.8	342.7	335.5	332.8	328.8	327.9	326.1
20°	363.4	358.0	356.2	346.8	338.2	328.4	320.7	318.0	316.2	314.4	315.8
22.5°	349.0	344.5	340.0	331.5	325.2	315.3	310.8	308.1	305.4	304.5	305.0
25°	335.1	331.1	326.6	318.0	311.3	303.2	299.1	297.8	296.4	296.4	296.0
27.5°	321.6	317.6	313.5	305.9	299.1	293.3	290.1	288.8	287.4	288.3	289.2
30°	307.7	304.1	300.5	293.7	288.3	282.9	281.1	280.2	279.8	282.0	282.0
32.5°	295.1	291.9	289.2	282.9	277.5	273.0	271.7	272.1	272.6	273.9	274.8
35°	282.0	279.8	277.1	271.7	267.2	263.1	263.6	263.6	264.5	266.7	268.5
37.5°	270.3	267.2	264.9	260.4	256.8	253.2	254.6	255.9	256.8	259.5	260.4
40°	256.4	255.0	253.2	248.7	245.6	245.1	245.6	246.5	248.3	249.6	251.0
42.5°	245.1	243.3	241.1	237.5	234.8	235.2	235.7	236.6	237.5	239.7	241.1
45°	232.5	231.2	229.4	226.2	224.0	224.4	224.9	224.9	225.8	228.5	229.4
47.5°	218.6	219.1	216.8	213.7	212.3	212.3	212.3	213.2	215.5	216.4	216.8
50°	205.1	204.2	203.8	200.6	199.7	199.3	199.7	200.2	203.3	202.9	204.2
52.5°	190.7	190.7	190.3	188.5	187.1	187.1	186.2	188.5	189.4	190.3	191.6
55°	176.8	175.4	175.0	174.1	172.3	171.8	172.7	175.4	176.3	177.2	178.6
57.5°	161.5	161.5	160.6	159.2	159.2	159.2	159.2	161.0	162.4	163.3	166.0
60°	147.5	145.7	144.4	144.4	144.4	143.9	146.6	146.6	149.3	149.8	150.7
62.5°	130.9	130.0	129.1	129.5	129.1	130.0	130.9	132.7	133.1	134.5	135.8
65°	115.1	115.1	114.2	116.9	115.1	115.1	117.4	117.4	118.3	119.6	121.4
67.5°	99.9	100.3	99.4	99.4	100.3	100.8	101.2	103.0	103.5	105.3	107.5
70°	84.1	85.0	85.5	84.6	85.5	86.4	87.3	87.7	89.5	90.4	91.8
72.5°	70.2	71.1	69.7	70.2	70.6	71.5	72.0	72.9	73.8	76.5	77.4
75°	56.2	55.8	55.3	57.1	56.2	58.0	58.5	58.5	59.4	61.6	62.5
77.5°	43.2	43.2	43.6	42.7	44.1	43.6	44.1	45.4	46.8	46.8	50.4
80°	30.1	31.0	31.0	31.0	31.5	31.9	31.0	33.3	33.7	33.7	35.1
82.5°	19.3	19.8	19.3	20.2	20.2	21.1	20.7	21.1	22.0	22.9	23.4
85°	10.3	10.3	11.2	11.2	10.8	11.2	10.8	11.2	12.1	12.1	12.6
87.5°	3.6	3.6	3.6	3.6	4.0	3.6	4.0	4.0	3.6	3.6	4.9
90°	6.2	6.8	7.4	9.1	10.8	12.5	14.2	13.6	14.2	14.7	15.3
92.5°	28.9	34.0	39.1	57.2	87.3	116.7	105.4	78.8	56.1	43.6	38.0
95°	51.6	62.6	73.7	121.8	206.2	299.2	336.0	272.5	204.0	138.3	108.2
97.5°	59.5	71.7	83.9	131.5	229.5	385.9	516.7	534.3	468.6	353.6	278.8
100°	68.0	79.0	90.1	129.8	213.6	362.6	536.6	648.2	668.0	622.1	555.8
102.5°	77.6	87.6	97.5	132.0	200.0	328.6	499.7	653.9	734.3	743.9	712.2
105°	88.4	97.2	106.0	136.6	194.9	302.0	455.5	618.2	736.6	793.2	804.0
107.5°	100.3	108.5	116.7	143.9	193.8	282.7	416.5	567.2	702.6	791.5	835.7
110°	112.2	120.2	128.1	153.5	196.6	272.5	384.2	519.6	649.3	753.6	825.0

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	124.7	132.4	140.0	163.2	202.3	266.9	362.6	478.2	596.6	703.7	785.9
115°	137.1	144.8	152.4	173.9	208.5	266.3	348.5	446.5	551.3	649.9	733.2
117.5°	149.6	156.6	163.7	185.3	216.4	266.9	338.8	425.5	516.2	603.4	679.9
120°	161.5	168.6	175.6	196.0	225.5	269.1	332.6	409.7	489.5	566.0	634.0
122.5°	172.2	179.8	187.5	207.4	234.0	273.1	328.6	396.6	468.6	536.0	597.8
125°	183.0	190.6	198.3	218.1	243.1	277.1	325.2	385.9	450.4	512.2	566.6
127.5°	193.2	200.8	208.5	227.8	250.4	281.6	323.5	375.7	434.0	490.1	540.0
130°	202.3	210.0	217.6	236.3	257.8	286.1	321.8	367.7	418.7	469.7	515.6
132.5°	210.8	218.2	225.5	243.6	264.6	289.5	321.3	360.4	404.6	450.4	492.4
135°	218.1	225.8	233.4	251.0	270.3	292.9	320.7	354.1	392.1	432.3	469.1
137.5°	224.9	232.0	239.1	256.1	274.8	295.2	319.6	348.5	380.2	414.2	447.0
140°	230.6	237.7	244.8	261.2	278.2	297.5	319.0	343.4	370.0	398.9	426.1
142.5°	236.3	242.8	249.3	265.2	281.6	299.2	317.9	338.8	360.4	384.2	406.8
145°	240.8	247.3	253.8	268.6	283.9	299.7	316.7	334.9	353.0	371.7	389.8
147.5°	246.5	252.2	257.8	271.4	285.6	299.7	315.0	330.9	346.8	362.1	377.4
150°	251.0	256.1	261.2	274.2	286.1	299.7	312.8	326.9	340.0	353.0	364.9
152.5°	255.5	260.4	265.2	275.9	287.3	298.0	309.9	322.4	333.7	344.5	354.7
155°	260.6	264.6	268.6	278.2	287.3	296.9	306.5	317.9	327.5	336.6	345.1
157.5°	265.2	268.3	271.4	279.3	287.8	295.2	303.7	312.8	320.7	328.6	335.4
160°	268.6	271.4	274.2	281.0	287.8	294.1	300.3	307.7	315.0	321.3	326.9
162.5°	271.4	273.6	275.9	281.6	287.3	291.8	296.9	302.6	308.2	313.3	318.4
165°	273.7	275.6	277.6	282.2	286.1	289.5	293.5	298.0	302.6	306.0	309.9
167.5°	275.9	277.4	278.8	282.2	285.6	287.3	290.1	293.5	297.5	300.3	302.6
170°	277.6	278.2	278.8	281.6	283.9	285.0	286.7	289.5	292.4	294.1	296.3
172.5°	278.8	279.0	279.3	281.6	283.3	283.3	283.9	285.6	287.8	289.0	290.7
175°	279.3	279.6	279.9	281.0	282.2	281.6	281.6	282.7	283.9	284.4	285.6
177.5°	279.9	279.9	279.9	280.5	281.6	280.5	279.9	280.5	281.0	281.6	282.2
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	440.4	440.8	439.0	437.7	441.3	439.0	439.0	439.5	438.6	439.9	439.5
5°	415.6	416.1	412.9	413.8	412.0	411.6	411.1	413.8	413.4	412.9	413.8
7.5°	391.3	391.3	390.0	389.1	389.1	387.7	389.5	389.1	390.0	390.0	391.3
10°	371.1	372.0	369.7	367.5	367.0	367.5	367.5	367.9	368.4	371.5	371.1
12.5°	354.4	353.1	352.6	351.3	349.0	348.1	347.2	352.2	350.8	350.8	350.8
15°	336.0	339.1	338.7	334.6	333.7	335.5	334.6	334.6	339.1	338.7	338.2
17.5°	326.1	325.2	324.3	322.1	322.5	322.1	322.5	322.5	325.2	325.2	325.2
20°	314.9	313.1	313.1	312.2	312.2	310.8	312.6	313.1	314.9	314.9	315.3
22.5°	305.0	303.6	303.6	303.2	304.1	302.3	304.1	304.5	304.5	305.9	305.9
25°	296.4	295.5	295.5	296.4	296.4	296.4	296.4	298.2	296.9	297.3	296.9
27.5°	288.8	289.2	289.7	290.1	289.7	290.1	290.6	291.5	291.9	291.5	290.6
30°	281.6	282.9	283.4	283.4	284.3	284.7	285.2	285.2	285.6	284.3	285.2
32.5°	276.2	276.2	277.1	277.5	278.4	278.9	278.9	279.8	279.3	278.0	278.4
35°	268.5	268.5	270.3	271.2	272.6	272.1	272.6	272.6	273.0	272.1	270.8
37.5°	260.9	261.8	261.8	263.6	264.0	264.5	264.0	264.9	264.5	263.6	263.1
40°	251.9	251.4	251.9	253.2	253.7	253.7	253.7	254.6	254.6	254.6	254.1
42.5°	240.6	242.0	241.5	242.9	242.4	242.4	243.3	244.2	244.7	243.3	243.8
45°	229.8	229.8	230.7	230.7	231.2	231.2	233.0	232.1	233.0	232.1	232.5
47.5°	218.2	218.6	218.6	219.1	220.0	220.9	220.0	220.4	220.4	220.9	220.0
50°	205.1	205.1	206.0	207.4	209.2	208.3	207.8	209.6	208.3	208.3	207.4
52.5°	191.6	193.0	193.4	194.8	196.1	196.6	197.0	196.1	196.6	195.2	195.7
55°	178.6	179.0	180.8	182.2	183.5	183.5	183.1	183.5	184.0	182.2	182.2
57.5°	165.5	166.9	168.7	168.7	170.5	170.5	170.0	170.0	170.5	169.1	168.7
60°	151.6	152.9	155.2	155.2	157.9	158.3	157.4	156.5	156.5	155.2	155.6
62.5°	136.7	138.1	139.4	141.7	143.5	142.6	144.4	142.6	143.0	140.3	140.3
65°	123.7	124.1	126.4	128.6	128.6	129.5	128.6	129.1	127.7	127.7	125.9
67.5°	108.4	108.4	110.6	112.9	115.1	115.1	115.1	113.8	113.8	112.4	112.4
70°	94.9	94.5	96.7	98.1	99.4	99.9	99.0	98.5	97.6	96.3	95.8
72.5°	78.3	79.2	81.4	82.3	84.6	84.1	86.4	83.7	83.7	81.4	81.0
75°	63.4	64.3	66.6	67.9	69.3	69.3	70.6	69.3	67.5	66.6	66.1
77.5°	50.4	49.9	51.7	54.0	54.4	54.0	54.9	54.4	52.6	52.6	51.7
80°	36.0	37.3	39.1	38.7	40.5	40.0	40.0	39.1	39.1	37.8	38.7
82.5°	23.8	25.2	25.6	25.2	25.6	26.5	27.0	26.5	26.5	25.6	26.1
85°	12.6	12.6	13.5	13.9	13.5	13.5	13.9	15.3	14.4	13.5	14.4
87.5°	4.0	3.6	3.6	4.0	3.6	3.6	4.0	4.0	4.5	4.5	4.5
90°	15.8	16.4	15.9	16.4	17.0	16.4	17.0	16.4	15.9	16.4	15.8
92.5°	36.0	34.0	32.9	30.6	31.2	30.0	31.2	30.6	32.9	34.0	36.0
95°	98.0	87.8	77.1	72.0	68.0	65.7	68.0	72.0	77.1	87.8	98.0
97.5°	246.5	214.2	176.2	154.7	141.1	134.9	141.1	154.7	176.2	214.2	246.5
100°	515.6	475.4	418.2	376.8	354.7	355.3	354.7	376.8	418.2	475.4	515.6
102.5°	690.4	668.6	627.2	596.6	579.1	562.6	579.1	596.6	627.2	668.6	690.4
105°	796.6	789.3	763.2	741.7	723.6	720.7	723.6	741.7	763.2	789.3	796.6
107.5°	843.4	851.0	847.6	837.4	830.1	823.8	830.1	837.4	847.6	851.0	843.4
110°	844.8	864.6	880.5	885.0	883.9	882.8	883.9	885.0	880.5	864.6	844.8

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	812.8	839.7	872.0	888.4	894.1	894.7	894.1	888.4	872.0	839.7	812.8
115°	764.0	794.9	837.4	862.4	873.7	876.5	873.7	862.4	837.4	794.9	764.0
117.5°	711.9	743.9	788.1	815.9	832.9	836.9	832.9	815.9	788.1	743.9	711.9
120°	662.6	691.3	736.0	767.7	781.3	784.7	781.3	767.7	736.0	691.3	662.6
122.5°	623.8	649.9	688.4	716.2	731.5	736.0	731.5	716.2	688.4	649.9	623.8
125°	589.2	611.9	648.2	673.1	687.3	691.3	687.3	673.1	648.2	611.9	589.2
127.5°	561.0	581.9	614.8	636.3	649.3	652.7	649.3	636.3	614.8	581.9	561.0
130°	534.8	554.1	584.2	604.6	616.5	621.0	616.5	604.6	584.2	554.1	534.8
132.5°	510.5	528.6	556.4	576.8	587.0	589.8	587.0	576.8	556.4	528.6	510.5
135°	485.2	501.4	529.2	546.2	556.4	560.4	556.4	546.2	529.2	501.4	485.2
137.5°	461.4	475.9	499.7	517.3	525.8	529.2	525.8	517.3	499.7	475.9	461.4
140°	438.2	450.4	472.0	487.8	496.9	496.3	496.9	487.8	472.0	450.4	438.2
142.5°	417.0	427.2	444.8	458.4	466.3	465.7	466.3	458.4	444.8	427.2	417.0
145°	398.0	406.3	420.4	432.3	436.9	438.0	436.9	432.3	420.4	406.3	398.0
147.5°	383.4	389.3	400.6	409.1	413.6	414.2	413.6	409.1	400.6	389.3	383.4
150°	370.3	375.7	384.2	390.4	393.8	393.8	393.8	390.4	384.2	375.7	370.3
152.5°	359.0	363.2	369.4	375.1	376.8	376.8	376.8	375.1	369.4	363.2	359.0
155°	348.5	351.9	357.0	361.5	362.6	363.2	362.6	361.5	357.0	351.9	348.5
157.5°	338.2	341.1	345.6	349.0	350.2	350.2	350.2	349.0	345.6	341.1	338.2
160°	328.9	330.9	334.9	338.3	338.3	337.7	338.3	338.3	334.9	330.9	328.9
162.5°	320.1	321.8	324.1	326.9	326.9	326.4	326.9	326.9	324.1	321.8	320.1
165°	311.4	312.8	315.0	317.3	316.7	316.7	316.7	317.3	315.0	312.8	311.4
167.5°	303.7	304.8	306.0	307.7	307.1	307.1	307.1	307.7	306.0	304.8	303.7
170°	296.9	297.5	298.0	299.2	298.6	298.6	298.6	299.2	298.0	297.5	296.9
172.5°	291.0	291.2	291.2	292.4	291.2	290.7	291.2	292.4	291.2	291.2	291.0
175°	285.6	285.6	285.6	286.1	285.6	285.0	285.6	286.1	285.6	285.6	285.6
177.5°	282.2	282.2	281.6	282.2	281.0	281.0	281.0	282.2	281.6	282.2	282.2
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
2.5°	440.8	441.7	442.1	440.4	439.0	441.3	444.4	446.6	448.4	450.7	452.0
5°	414.7	417.9	417.9	418.8	420.1	422.4	428.2	432.3	435.9	438.6	440.8
7.5°	392.7	394.9	396.3	398.5	400.8	403.9	410.7	416.5	421.9	425.1	428.7
10°	372.9	374.7	376.9	378.3	382.3	386.8	395.4	400.3	406.6	411.6	416.1
12.5°	354.0	360.3	361.6	361.2	364.8	369.7	378.3	385.9	392.7	397.6	402.6
15°	340.5	342.7	345.4	345.0	352.6	354.0	361.2	370.2	379.2	382.3	386.8
17.5°	325.7	329.3	331.9	333.3	335.5	340.5	347.2	354.0	365.7	366.1	377.8
20°	314.0	317.6	319.4	321.2	322.5	328.4	334.2	341.8	351.3	356.2	362.5
22.5°	306.3	308.1	309.5	310.8	312.6	315.8	323.0	331.5	337.8	343.2	347.2
25°	297.3	299.1	300.9	301.8	303.2	305.0	310.4	317.1	326.1	329.7	333.7
27.5°	291.0	291.0	291.9	291.9	293.7	295.5	299.6	305.9	313.1	317.6	323.0
30°	284.3	283.8	284.3	283.8	283.4	286.1	289.7	295.1	300.0	305.4	309.0
32.5°	277.5	277.1	277.1	277.5	275.7	277.1	278.9	283.8	289.2	291.9	296.0
35°	270.3	269.4	269.4	269.4	268.5	267.6	269.4	273.9	277.5	281.1	284.3
37.5°	263.1	261.8	261.8	260.9	260.0	258.6	258.6	262.2	267.2	268.5	272.6
40°	253.2	253.2	252.3	251.9	251.0	250.1	248.7	251.9	256.4	257.7	260.9
42.5°	243.3	242.0	241.5	241.5	241.5	240.2	239.3	241.5	244.2	246.5	248.3
45°	232.1	231.2	231.6	231.2	230.3	229.8	229.4	230.3	233.4	234.3	236.6
47.5°	220.0	219.5	219.5	219.1	218.6	219.1	217.3	219.5	220.4	221.3	223.1
50°	207.4	206.9	206.5	206.0	206.0	206.5	206.0	206.0	207.8	208.7	210.5
52.5°	194.8	193.4	193.4	193.0	193.0	192.1	193.0	193.4	194.3	195.2	196.1
55°	181.3	181.3	179.9	179.9	179.0	179.0	179.5	179.0	180.8	181.7	181.7
57.5°	168.2	166.4	166.9	166.0	165.1	164.6	164.6	165.5	166.4	166.4	167.3
60°	154.3	152.5	152.0	150.2	151.1	149.8	150.2	150.2	152.0	151.1	152.0
62.5°	140.3	138.1	136.7	135.8	135.8	136.3	135.4	134.9	135.8	136.7	138.5
65°	125.5	124.1	122.8	121.4	121.4	121.0	121.9	120.5	120.1	120.5	121.4
67.5°	110.2	108.9	107.5	106.2	106.6	105.3	104.4	105.7	104.8	105.3	106.2
70°	95.4	94.5	91.8	90.9	90.4	90.9	90.4	89.5	90.9	90.4	90.9
72.5°	80.5	79.6	78.3	76.0	76.0	75.6	75.1	75.1	74.7	74.7	74.7
75°	66.1	64.3	63.0	62.5	61.6	61.2	60.7	59.8	60.3	60.7	59.8
77.5°	51.3	49.0	48.6	48.6	47.2	47.2	47.7	47.2	46.8	46.8	46.8
80°	37.8	36.0	36.0	35.1	34.2	34.2	34.2	34.2	33.7	33.3	33.7
82.5°	24.3	23.8	23.4	23.4	24.3	22.5	23.4	22.9	22.5	22.5	22.0
85°	13.5	13.9	13.5	13.9	13.0	13.5	13.5	13.5	13.0	13.5	12.6
87.5°	4.9	4.9	4.9	5.4	5.4	5.4	5.4	5.4	5.8	5.4	5.4
90°	15.3	14.7	14.2	13.6	14.2	12.5	10.8	9.1	7.4	6.8	6.2
92.5°	38.0	43.6	56.1	78.8	105.4	116.7	87.3	57.2	39.1	34.0	28.9
95°	108.2	138.3	204.0	272.5	336.0	299.2	206.2	121.8	73.7	62.6	51.6
97.5°	278.8	353.6	468.6	534.3	516.7	385.9	229.5	131.5	83.9	71.7	59.5
100°	555.8	622.1	668.0	648.2	536.6	362.6	213.6	129.8	90.1	79.0	68.0
102.5°	712.2	743.9	734.3	653.9	499.7	328.6	200.0	132.0	97.5	87.6	77.6
105°	804.0	793.2	736.6	618.2	455.5	302.0	194.9	136.6	106.0	97.2	88.4
107.5°	835.7	791.5	702.6	567.2	416.5	282.7	193.8	143.9	116.7	108.5	100.3
110°	825.0	753.6	649.3	519.6	384.2	272.5	196.6	153.5	128.1	120.2	112.2

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	785.9	703.7	596.6	478.2	362.6	266.9	202.3	163.2	140.0	132.4	124.7
115°	733.2	649.9	551.3	446.5	348.5	266.3	208.5	173.9	152.4	144.8	137.1
117.5°	679.9	603.4	516.2	425.5	338.8	266.9	216.4	185.3	163.7	156.6	149.6
120°	634.0	566.0	489.5	409.7	332.6	269.1	225.5	196.0	175.6	168.6	161.5
122.5°	597.8	536.0	468.6	396.6	328.6	273.1	234.0	207.4	187.5	179.8	172.2
125°	566.6	512.2	450.4	385.9	325.2	277.1	243.1	218.1	198.3	190.6	183.0
127.5°	540.0	490.1	434.0	375.7	323.5	281.6	250.4	227.8	208.5	200.8	193.2
130°	515.6	469.7	418.7	367.7	321.8	286.1	257.8	236.3	217.6	210.0	202.3
132.5°	492.4	450.4	404.6	360.4	321.3	289.5	264.6	243.6	225.5	218.2	210.8
135°	469.1	432.3	392.1	354.1	320.7	292.9	270.3	251.0	233.4	225.8	218.1
137.5°	447.0	414.2	380.2	348.5	319.6	295.2	274.8	256.1	239.1	232.0	224.9
140°	426.1	398.9	370.0	343.4	319.0	297.5	278.2	261.2	244.8	237.7	230.6
142.5°	406.8	384.2	360.4	338.8	317.9	299.2	281.6	265.2	249.3	242.8	236.3
145°	389.8	371.7	353.0	334.9	316.7	299.7	283.9	268.6	253.8	247.3	240.8
147.5°	377.4	362.1	346.8	330.9	315.0	299.7	285.6	271.4	257.8	252.2	246.5
150°	364.9	353.0	340.0	326.9	312.8	299.7	286.1	274.2	261.2	256.1	251.0
152.5°	354.7	344.5	333.7	322.4	309.9	298.0	287.3	275.9	265.2	260.4	255.5
155°	345.1	336.6	327.5	317.9	306.5	296.9	287.3	278.2	268.6	264.6	260.6
157.5°	335.4	328.6	320.7	312.8	303.7	295.2	287.8	279.3	271.4	268.3	265.2
160°	326.9	321.3	315.0	307.7	300.3	294.1	287.8	281.0	274.2	271.4	268.6
162.5°	318.4	313.3	308.2	302.6	296.9	291.8	287.3	281.6	275.9	273.6	271.4
165°	309.9	306.0	302.6	298.0	293.5	289.5	286.1	282.2	277.6	275.6	273.7
167.5°	302.6	300.3	297.5	293.5	290.1	287.3	285.6	282.2	278.8	277.4	275.9
170°	296.3	294.1	292.4	289.5	286.7	285.0	283.9	281.6	278.8	278.2	277.6
172.5°	290.7	289.0	287.8	285.6	283.9	283.3	283.3	281.6	279.3	279.0	278.8
175°	285.6	284.4	283.9	282.7	281.6	281.6	282.2	281.0	279.9	279.6	279.3
177.5°	282.2	281.6	281.0	280.5	279.9	280.5	281.6	280.5	279.9	279.9	279.9
180°	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	464.2	464.2	464.2	464.2
2.5°	454.3	455.6	460.1	465.5
5°	445.3	448.9	455.2	463.7
7.5°	435.4	440.8	449.8	460.6
10°	424.2	431.8	443.0	456.5
12.5°	412.0	421.9	436.3	450.2
15°	404.4	414.3	427.3	442.6
17.5°	389.5	401.2	414.7	436.3
20°	374.2	387.3	404.8	426.4
22.5°	362.5	376.5	393.1	416.1
25°	348.6	363.0	381.0	404.8
27.5°	333.7	348.1	368.4	393.6
30°	322.5	336.4	355.8	382.8
32.5°	309.0	322.5	342.7	371.1
35°	293.7	309.0	328.4	357.1
37.5°	282.0	296.0	316.2	343.6
40°	269.4	281.6	301.4	328.4
42.5°	255.9	269.4	286.5	313.5
45°	243.3	253.2	270.8	296.4
47.5°	229.8	241.1	254.6	274.4
50°	215.5	224.9	239.7	253.2
52.5°	201.5	209.2	221.7	232.1
55°	186.7	194.3	203.8	210.1
57.5°	172.7	178.1	184.4	188.5
60°	155.6	161.0	165.1	169.1
62.5°	140.3	144.4	146.6	148.9
65°	124.6	126.8	128.2	130.0
67.5°	107.5	109.8	110.2	112.9
70°	91.8	92.2	93.1	94.5
72.5°	76.9	77.8	77.4	78.3
75°	61.6	62.5	61.6	62.5
77.5°	46.8	47.7	47.7	49.0
80°	33.7	34.2	34.6	34.6
82.5°	22.0	23.4	22.5	22.9
85°	12.6	13.0	13.0	13.5
87.5°	5.8	6.3	5.8	6.7
90°	5.1	3.4	2.3	1.1
92.5°	23.2	18.1	12.5	8.5
95°	36.8	27.2	21.0	19.3
97.5°	44.8	36.3	31.2	30.6
100°	54.4	46.5	42.5	41.9
102.5°	65.7	58.4	55.0	53.8
105°	77.6	70.8	67.4	65.7
107.5°	90.1	83.3	79.9	78.2
110°	102.6	96.3	93.5	91.8

TEST NUMBER: P1011593

CATALOG NUMBER: S123DIP-B340D585UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	115.0	108.8	106.0	104.3
115°	127.5	121.8	118.4	116.2
117.5°	138.8	133.7	130.9	128.1
120°	150.7	145.1	142.2	140.5
122.5°	162.0	155.8	153.0	151.3
125°	172.2	166.0	162.6	161.5
127.5°	181.3	175.1	171.1	169.4
130°	190.4	183.6	178.5	176.8
132.5°	198.9	190.4	184.7	182.4
135°	206.2	197.7	191.5	189.2
137.5°	213.0	204.0	197.7	195.5
140°	219.3	210.2	204.5	201.7
142.5°	224.9	217.0	210.8	208.5
145°	231.2	222.7	217.6	215.9
147.5°	236.8	229.5	224.4	223.2
150°	243.1	235.7	231.2	230.6
152.5°	248.7	242.5	238.0	238.0
155°	254.4	248.7	245.3	245.3
157.5°	259.5	254.4	251.6	251.0
160°	264.6	260.1	257.8	257.8
162.5°	268.0	264.6	262.9	262.9
165°	271.4	268.6	267.4	268.0
167.5°	274.2	272.0	271.4	272.0
170°	276.5	274.8	274.2	275.4
172.5°	278.2	277.1	277.1	277.6
175°	279.3	278.2	278.8	279.3
177.5°	279.9	279.3	279.9	280.5
180°	279.9	279.9	279.9	279.9

(END OF REPORT)