

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: P1008810

Luminaire Tested: S122DIP-B290D330UB27-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1008810
REPORT IS A COMBINATION OF REPORTS P983880 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIP-B290D330UB27-4F0-XX-W2A-A4
Description: Define 2 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

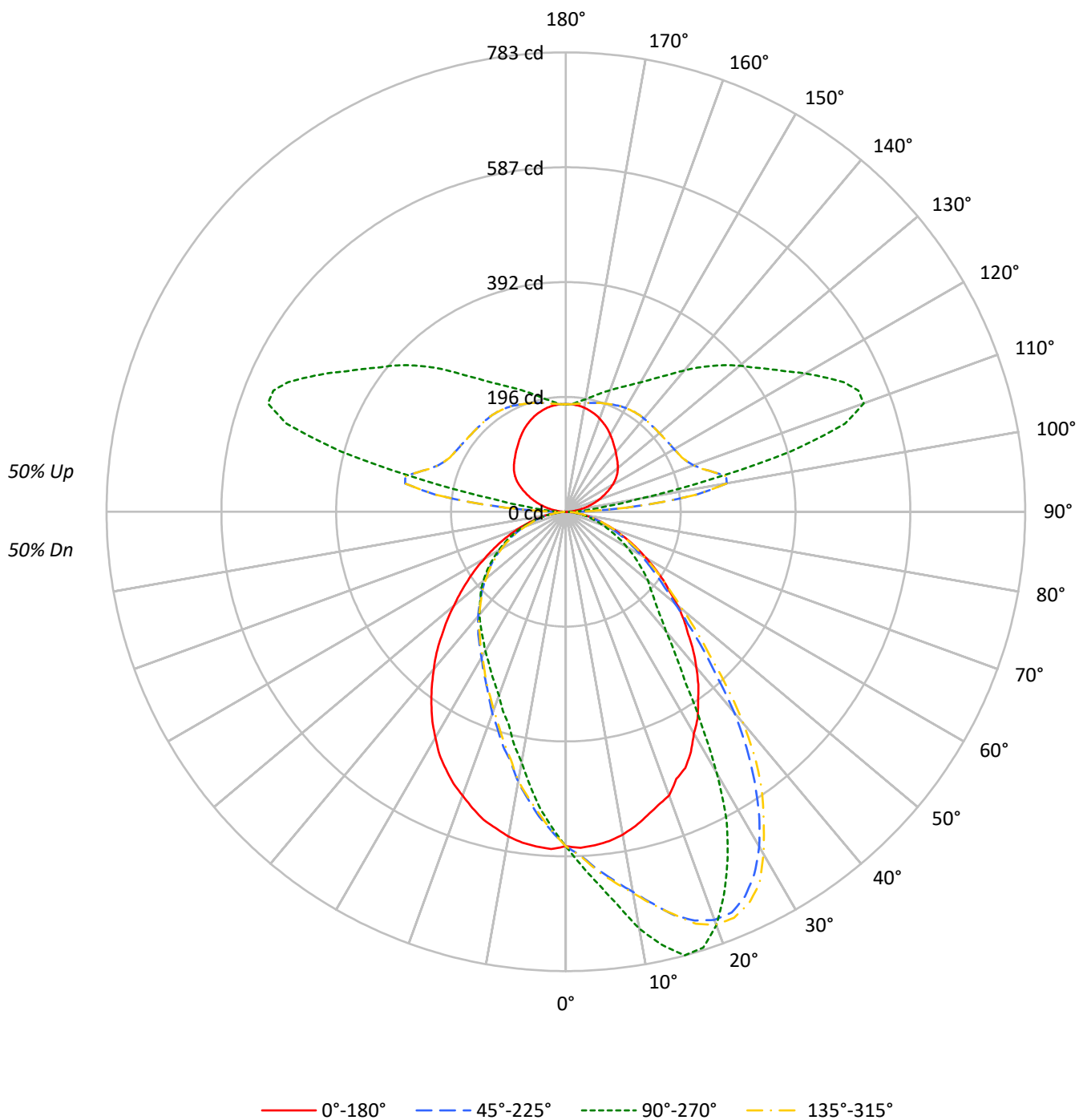
Lumens per Lamp: N/A
Luminaire Lumens: 2535.0 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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



TEST NUMBER: P1008810

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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48
2	90	83	77	72	83	77	71	67	65	61	58	54	52	49	45	43	41
3	82	73	66	60	76	68	62	57	58	53	49	49	45	42	40	38	36
4	75	65	57	52	69	60	54	48	52	47	43	44	40	37	36	33	31
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27
6	64	52	44	39	59	49	42	37	42	37	33	36	32	28	30	27	24
7	59	47	40	34	55	44	37	32	38	33	29	33	28	25	27	24	22
8	55	43	36	30	51	40	34	29	35	30	26	30	26	23	25	22	20
9	51	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9026	9026	9026	9026
5°	9047	9623	9082	7656
10°	8942	10506	8998	6312
15°	8725	11080	8846	5317
20°	8589	10405	8589	4622
25°	8316	8938	8353	4132
30°	7865	7027	8014	3744
35°	7466	4859	7591	3424
40°	7007	3669	7088	3171
45°	6443	3015	6548	2896
50°	5952	2646	5964	2652
55°	5396	2254	5430	2386
60°	4801	1883	4867	2082
65°	4269	1532	4348	1779
70°	3737	1201	3833	1435
75°	3138	873	3261	1039
80°	2451	553	2627	618
85°	1610	277	1737	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9330 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	2.1
10°-20°	158.1	6.2
20°-30°	229.4	9.0
30°-40°	241.8	9.5
40°-50°	214.0	8.4
50°-60°	170.9	6.7
60°-70°	116.1	4.6
70°-80°	59.4	2.3
80°-90°	15.2	0.6
90°-100°	71.4	2.8
100°-110°	251.5	9.9
110°-120°	264.1	10.4
120°-130°	217.3	8.6
130°-140°	174.6	6.9
140°-150°	131.9	5.2
150°-160°	92.7	3.7
160°-170°	54.6	2.2
170°-180°	17.8	0.7
0°-30°	441.8	17.4
0°-40°	683.6	27.0
0°-60°	1068.5	42.2
0°-90°	1259.2	49.7
90°-120°	587.1	23.2
90°-150°	1110.8	43.8
90°-180°	1276.0	50.3
0°-180°	2535.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	570	570	570	570	570	
5°	571	637	573	507	571	54
15°	536	783	543	376	536	151
25°	482	652	484	302	482	220
35°	393	355	400	250	393	246
45°	295	214	300	206	295	229
55°	202	150	204	159	202	181
65°	120	92	122	107	120	119
75°	56	46	58	54	56	60
85°	11	12	12	9	11	13
90°	0	12	0	12	0	1
95°	12	40	12	40	12	13
105°	43	397	43	397	43	46
115°	76	522	76	522	76	75
125°	106	424	106	424	106	94
135°	124	351	124	351	124	96
145°	142	280	142	280	142	89
155°	161	236	161	236	161	74
165°	176	207	176	207	176	49
175°	183	186	183	186	183	17
180°	183	183	183	183	183	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	573.3	574.6	576.8	577.2	581.6	585.1	589.0	589.0	590.3	589.9	586.4
5°	570.6	574.6	580.3	585.1	593.0	596.5	601.7	605.7	609.2	611.8	611.4
7.5°	566.2	573.3	581.6	590.8	601.3	607.4	614.9	621.9	626.7	631.1	634.2
10°	558.8	570.6	582.0	594.3	607.9	616.2	625.0	634.2	641.6	649.9	657.8
12.5°	548.7	565.8	579.8	596.0	612.7	621.9	635.9	642.9	657.4	678.4	684.1
15°	536.0	559.2	572.4	593.0	614.9	622.3	641.6	653.0	682.8	696.0	711.7
17.5°	524.2	550.0	567.6	591.2	612.7	627.2	646.0	669.2	694.2	713.1	730.6
20°	514.5	539.5	560.5	586.8	614.0	632.4	652.1	680.2	707.4	726.6	740.2
22.5°	492.6	524.6	549.1	578.5	611.4	636.8	655.6	686.3	715.7	727.5	739.4
25°	481.7	509.3	537.8	571.1	609.6	639.9	656.1	690.3	716.1	720.5	723.1
27.5°	461.5	492.6	525.9	564.0	609.2	634.6	655.2	686.3	706.9	703.9	696.0
30°	436.5	474.6	511.5	552.7	603.1	630.7	649.9	678.4	689.0	673.2	659.2
32.5°	418.1	454.0	494.8	542.6	596.0	622.3	641.2	663.5	665.7	637.2	613.6
35°	393.1	433.0	479.0	529.4	584.2	607.9	625.4	639.0	628.5	588.6	560.5
37.5°	370.8	410.2	459.3	510.6	568.0	591.2	605.2	607.4	581.6	546.5	505.3
40°	346.2	387.0	438.3	492.2	550.0	570.2	578.9	572.4	535.1	494.4	446.6
42.5°	321.7	362.0	417.2	472.5	527.2	544.3	547.8	529.9	484.3	436.5	381.3
45°	295.0	337.0	392.2	447.9	500.9	510.6	511.0	485.2	431.3	381.3	330.0
47.5°	273.0	312.0	366.8	422.5	467.2	473.8	471.1	441.3	382.6	326.5	281.8
50°	248.9	286.2	340.5	395.3	433.4	435.2	428.6	386.1	328.7	277.4	241.9
52.5°	223.1	260.8	310.7	363.3	397.5	394.9	382.2	336.6	282.7	240.2	213.0
55°	202.5	235.8	282.7	334.0	358.1	350.6	336.6	290.1	247.6	211.7	188.0
57.5°	179.7	209.1	255.1	299.8	313.8	306.8	292.8	249.4	209.9	182.8	167.0
60°	158.2	184.9	225.3	262.5	273.5	266.0	249.8	210.8	182.3	159.5	147.7
62.5°	138.5	161.7	195.5	229.7	234.0	226.6	212.6	181.0	156.5	138.5	129.7
65°	120.1	142.0	169.2	195.0	199.0	191.1	176.6	153.8	133.2	121.8	113.5
67.5°	102.1	119.6	143.8	162.6	164.8	157.3	145.5	127.1	114.4	102.1	96.0
70°	86.3	99.5	118.3	133.7	134.5	127.5	121.4	104.7	95.1	86.3	81.5
72.5°	71.0	80.2	94.7	106.1	106.5	102.1	96.4	85.9	77.6	71.4	66.6
75°	56.1	64.0	72.8	82.8	82.4	78.9	74.5	67.9	60.9	57.0	54.8
77.5°	43.0	47.8	54.8	61.4	61.4	59.6	57.0	52.2	47.8	43.8	41.6
80°	30.7	33.7	39.4	41.6	42.5	42.1	39.9	36.4	34.6	31.6	30.7
82.5°	19.7	21.9	24.5	26.7	28.0	27.2	26.7	25.0	22.4	21.5	20.6
85°	11.4	12.3	13.6	14.9	15.3	14.9	15.8	14.5	13.1	13.1	12.7
87.5°	4.8	5.3	6.1	6.1	6.6	6.6	6.1	6.6	6.6	6.1	5.7
90°	0.4	1.4	2.8	3.5	4.2	4.8	5.3	7.0	9.5	11.6	12.0
92.5°	5.3	7.4	10.2	12.0	14.8	16.8	18.7	28.2	41.6	53.6	54.3
95°	12.3	13.7	17.3	20.4	26.1	30.3	34.5	50.7	81.4	122.3	138.1
97.5°	18.3	20.4	24.3	28.9	35.2	40.0	44.7	65.5	108.2	174.0	225.1
100°	27.1	28.2	31.4	37.0	44.0	49.0	53.9	72.6	115.6	191.7	278.3
102.5°	35.2	35.9	39.1	44.7	52.1	57.0	62.0	78.9	115.9	185.0	280.1
105°	43.0	44.4	46.9	52.1	59.9	64.8	69.8	86.3	117.7	175.8	261.1
107.5°	51.4	52.5	55.0	59.9	67.6	72.6	77.5	93.7	121.5	170.9	243.4
110°	59.9	61.3	63.4	68.0	75.4	80.5	85.6	101.1	126.5	169.5	231.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	67.6	69.1	71.5	75.7	82.8	88.1	93.4	108.2	131.8	169.8	223.7
115°	75.7	77.5	79.6	83.9	90.9	95.6	100.4	115.6	137.0	171.2	218.4
117.5°	84.2	85.6	87.7	91.6	98.3	103.2	108.2	122.3	142.7	173.3	215.6
120°	92.0	93.4	95.5	98.6	105.7	110.6	115.6	129.3	148.3	175.5	213.1
122.5°	99.4	100.4	102.5	106.0	113.1	118.2	123.3	136.0	153.3	177.9	211.7
125°	105.7	106.8	108.9	113.1	120.1	125.0	130.0	142.7	158.5	180.4	210.0
127.5°	111.0	112.4	115.2	119.8	126.5	131.6	136.7	149.0	163.5	182.8	208.9
130°	115.6	117.0	120.5	125.4	132.5	137.4	142.3	154.7	168.1	185.7	208.2
132.5°	119.8	121.5	125.4	130.7	138.1	143.0	148.0	159.6	172.6	188.5	207.9
135°	124.0	125.4	129.7	134.9	143.0	148.0	152.9	164.2	176.5	190.6	207.5
137.5°	127.9	129.7	133.9	139.5	147.6	152.2	156.8	168.1	179.7	192.7	207.5
140°	132.5	133.9	138.1	143.7	151.5	156.1	160.7	171.2	182.1	194.1	207.2
142.5°	137.0	138.1	142.0	147.6	155.0	159.2	163.5	173.7	184.3	195.2	207.2
145°	141.6	143.0	146.6	151.8	158.9	162.8	166.6	176.2	186.0	195.9	206.5
147.5°	146.6	147.6	151.1	156.1	162.1	165.6	169.1	178.3	187.1	196.2	205.4
150°	151.5	152.6	155.4	159.9	165.2	168.4	171.6	179.7	187.8	195.9	204.3
152.5°	156.4	156.8	159.6	163.5	168.4	171.2	174.0	181.1	188.1	195.2	202.6
155°	161.0	161.4	163.5	167.3	171.2	173.8	176.5	182.5	188.5	194.5	200.5
157.5°	164.9	165.2	167.0	170.5	173.7	176.0	178.3	183.6	188.5	193.1	198.4
160°	168.8	169.1	170.5	173.3	176.2	178.1	180.0	184.3	188.5	192.0	196.2
162.5°	172.6	172.3	173.7	175.8	178.3	179.7	181.1	184.6	188.1	191.0	194.5
165°	175.5	175.1	175.8	177.9	179.7	180.8	181.8	185.0	187.4	189.5	192.0
167.5°	177.9	177.6	178.3	179.7	181.1	181.8	182.5	185.0	187.1	188.1	189.9
170°	180.4	179.7	180.0	181.1	181.8	182.3	182.8	184.6	186.4	187.1	188.1
172.5°	181.8	181.4	181.1	182.1	182.5	182.8	183.2	184.3	185.3	185.7	186.0
175°	182.8	182.5	182.1	182.8	182.8	183.0	183.2	183.9	184.6	184.3	184.6
177.5°	183.6	182.8	182.5	183.2	183.2	183.2	183.2	183.6	184.3	183.6	183.2
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	592.5	593.0	593.9	598.2	600.4	600.9	599.1	603.1	604.4	603.1	602.2
5°	620.6	623.2	628.5	634.2	633.7	634.2	636.8	639.4	640.3	636.8	638.1
7.5°	645.1	650.4	656.1	664.8	664.8	669.2	671.0	673.2	678.4	675.8	674.9
10°	673.2	680.2	690.7	704.7	705.2	709.6	713.9	720.9	723.1	721.4	722.3
12.5°	708.2	721.8	722.7	738.0	745.1	745.9	752.9	751.6	756.0	756.0	763.5
15°	723.6	744.6	756.4	771.3	775.7	770.5	776.2	782.3	782.7	782.7	782.3
17.5°	751.2	759.5	771.3	779.2	781.0	781.0	781.4	784.1	782.3	778.8	781.4
20°	756.9	760.4	764.8	763.9	764.8	760.4	756.0	751.6	752.1	749.9	756.4
22.5°	746.4	745.5	735.4	728.8	728.8	720.1	711.7	707.8	703.9	705.2	707.4
25°	720.1	706.5	694.2	684.6	682.4	668.4	657.0	653.5	646.9	652.1	653.0
27.5°	678.0	662.7	642.9	634.6	623.2	617.5	609.6	599.1	585.5	593.4	592.1
30°	632.9	610.1	593.9	573.7	555.7	554.4	539.5	522.0	515.0	515.0	518.9
32.5°	582.5	552.2	528.5	500.1	482.5	475.1	457.1	439.6	443.5	430.4	435.2
35°	523.7	483.8	454.0	426.4	413.3	404.5	381.3	371.6	361.1	355.0	366.4
37.5°	467.6	421.6	383.5	353.2	348.4	332.6	316.9	310.7	304.6	307.2	306.8
40°	399.3	358.5	324.3	300.7	292.3	284.9	274.4	266.9	263.0	265.2	265.6
42.5°	337.5	303.3	277.9	261.2	254.2	248.9	243.7	237.5	236.2	236.2	238.0
45°	289.7	261.6	244.6	231.0	227.0	223.1	219.1	216.5	215.6	213.9	215.2
47.5°	251.6	229.2	218.7	208.6	204.2	203.4	199.8	198.5	196.8	196.3	196.8
50°	219.6	205.5	195.9	190.2	187.1	185.8	184.1	181.4	180.6	182.8	181.9
52.5°	197.2	184.1	178.8	173.1	171.4	169.6	167.0	167.4	167.0	166.1	166.1
55°	174.9	166.5	161.3	156.9	156.5	154.7	152.5	151.6	151.2	150.3	151.6
57.5°	156.9	150.3	145.5	141.6	139.8	139.8	137.6	135.9	135.9	135.4	135.9
60°	138.9	132.4	129.3	125.3	124.0	123.6	122.3	121.4	120.1	120.1	120.1
62.5°	122.3	117.0	113.5	110.0	110.4	108.3	106.5	105.6	105.6	106.1	106.1
65°	106.5	103.0	98.6	95.5	94.7	94.2	93.4	92.9	91.6	92.5	92.5
67.5°	92.0	87.2	84.6	83.3	82.0	81.5	80.6	79.8	79.3	78.9	79.8
70°	77.6	73.6	71.4	70.6	69.2	68.8	68.4	67.1	67.5	67.9	68.4
72.5°	64.4	60.9	60.5	57.9	57.9	57.9	56.1	57.0	56.5	55.7	56.5
75°	50.8	49.1	48.2	46.9	47.3	46.9	46.5	45.1	45.1	45.6	46.0
77.5°	40.3	38.6	38.1	36.8	35.9	36.8	35.9	35.5	35.5	35.9	35.9
80°	29.8	28.9	27.6	27.6	27.6	27.2	27.2	27.2	26.7	26.3	26.7
82.5°	19.7	19.7	19.3	18.8	19.3	18.4	18.8	18.8	18.8	18.8	18.8
85°	12.7	12.3	12.3	11.8	11.8	11.8	12.3	11.4	11.4	11.8	11.8
87.5°	5.7	5.7	5.7	6.1	5.7	5.7	5.7	6.1	5.7	5.7	5.7
90°	11.6	11.3	10.6	11.3	11.4	11.6	11.6	11.6	11.6	11.6	11.6
92.5°	45.4	35.6	30.3	26.4	25.0	23.6	23.3	21.8	22.2	21.5	22.2
95°	120.8	92.3	70.8	56.0	52.2	48.3	43.7	40.9	39.8	40.2	39.8
97.5°	226.9	188.8	150.8	115.2	104.6	94.1	80.3	73.3	69.4	67.3	69.4
100°	329.1	321.7	278.0	229.7	208.4	187.1	157.8	142.7	132.5	126.1	132.5
102.5°	367.1	408.7	407.3	375.2	352.3	329.4	297.0	268.5	255.1	245.9	255.1
105°	354.8	428.1	467.9	472.4	466.6	460.8	439.0	417.1	402.0	397.1	402.0
107.5°	328.7	407.3	466.5	501.0	508.0	515.1	514.7	511.6	507.0	498.9	507.0
110°	304.4	378.7	441.8	486.9	501.4	515.8	530.9	537.6	540.8	540.4	540.8

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	287.5	352.7	412.6	461.5	478.6	495.7	518.2	530.6	537.3	539.7	537.3
115°	274.1	332.2	386.5	432.6	450.8	468.9	493.9	510.1	519.3	522.5	519.3
117.5°	264.9	315.3	363.9	406.9	424.2	441.4	467.2	484.4	493.9	496.4	493.9
120°	257.9	303.3	347.0	384.4	400.4	416.4	441.1	457.7	467.9	471.4	467.9
122.5°	251.9	293.8	332.9	367.8	381.9	396.0	417.5	433.7	442.5	445.3	442.5
125°	246.3	284.7	321.0	352.0	365.2	378.4	398.8	412.2	421.0	423.8	421.0
127.5°	241.0	275.5	309.0	338.6	350.9	363.2	381.2	393.9	401.6	403.7	401.6
130°	235.7	266.7	297.0	324.8	336.5	348.1	365.3	377.3	384.4	387.2	384.4
132.5°	231.5	258.2	285.7	310.7	321.4	332.2	349.1	361.1	367.5	369.9	367.5
135°	227.6	250.5	273.7	297.0	306.8	316.7	331.9	343.5	349.8	351.3	349.8
137.5°	224.8	244.2	264.2	283.3	292.1	300.9	315.3	325.5	331.2	333.3	331.2
140°	222.3	238.2	255.1	271.3	279.0	286.8	298.1	307.2	312.5	314.6	312.5
142.5°	219.8	233.2	247.0	260.4	266.5	272.7	283.3	291.4	295.9	295.9	295.9
145°	217.7	228.7	240.3	251.2	256.3	261.4	269.9	275.9	279.4	280.4	279.4
147.5°	215.6	225.1	234.6	243.4	247.3	251.2	258.6	263.5	266.0	266.7	266.0
150°	212.8	221.3	229.0	236.4	239.6	242.7	248.0	252.3	254.4	254.7	254.4
152.5°	210.3	217.4	224.4	230.4	233.0	235.7	239.6	243.1	244.5	244.5	244.5
155°	207.2	213.9	219.5	224.8	226.8	228.7	232.5	235.0	236.4	235.7	236.4
157.5°	204.3	209.6	214.6	219.1	220.7	222.3	225.1	227.2	227.9	227.9	227.9
160°	201.2	205.7	209.6	213.5	214.8	216.0	218.4	220.2	220.5	220.5	220.5
162.5°	198.4	201.9	205.0	208.2	209.1	210.0	212.4	213.5	213.9	213.5	213.9
165°	195.2	198.0	200.5	202.9	203.6	204.3	205.7	207.2	207.2	206.8	207.2
167.5°	192.0	194.1	196.2	198.0	198.7	199.4	200.1	200.8	200.8	200.5	200.8
170°	189.5	191.3	192.4	193.8	194.2	194.5	194.8	195.9	195.5	194.8	195.5
172.5°	187.1	188.1	188.8	189.9	190.0	190.2	190.6	191.0	190.6	190.2	190.6
175°	185.0	186.0	186.4	186.7	186.9	187.1	187.1	187.4	187.1	186.4	187.1
177.5°	183.6	184.3	184.3	184.6	184.6	184.6	184.6	184.6	184.3	183.6	184.3
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	604.4	601.3	598.7	599.1	601.3	599.5	595.2	589.5	587.3	584.6	587.3
5°	640.7	638.1	632.9	633.3	632.0	630.2	623.2	614.4	614.4	607.4	606.6
7.5°	676.7	672.7	669.2	668.4	663.5	660.0	653.9	641.6	636.8	628.5	623.7
10°	717.0	713.9	710.0	705.2	702.5	696.4	686.3	668.4	659.6	648.2	639.9
12.5°	757.8	757.3	748.6	738.9	738.5	728.8	721.8	697.7	685.9	670.5	650.8
15°	783.6	781.4	776.6	771.8	773.1	762.6	746.8	718.3	710.4	692.0	671.0
17.5°	783.2	783.2	781.9	781.0	779.7	776.6	767.8	749.0	736.3	713.1	693.3
20°	758.2	763.9	765.2	764.8	769.2	771.3	770.9	759.1	749.0	728.4	708.2
22.5°	708.2	721.4	727.1	730.6	739.8	744.6	756.0	751.6	749.0	733.7	716.6
25°	661.8	666.2	683.3	684.1	696.8	708.7	720.1	727.5	737.2	731.5	717.0
27.5°	601.7	611.8	624.1	633.3	635.9	660.0	678.9	692.9	714.8	716.6	711.7
30°	533.8	538.6	558.8	571.1	585.1	602.6	629.8	653.9	673.6	691.6	697.7
32.5°	451.0	470.7	482.5	497.4	509.7	540.8	574.1	605.2	628.0	658.3	671.4
35°	375.2	390.5	410.7	416.8	439.1	465.4	508.8	548.7	583.3	614.0	640.7
37.5°	312.5	324.8	346.2	355.9	369.0	402.8	439.1	488.7	530.3	568.0	601.3
40°	269.5	278.7	295.0	298.0	309.0	339.7	369.0	415.5	470.7	521.5	557.9
42.5°	240.2	244.6	255.5	259.5	266.5	287.1	313.4	357.2	408.5	461.1	512.3
45°	219.1	222.2	228.8	232.3	241.0	250.2	271.7	306.8	347.1	400.1	455.4
47.5°	200.3	204.2	206.9	209.1	213.9	224.0	238.0	263.8	302.4	351.1	404.5
50°	184.5	185.8	190.6	191.1	194.2	200.7	213.9	229.7	260.3	299.8	351.5
52.5°	168.7	170.0	173.1	176.2	177.5	182.8	191.5	204.7	227.5	258.6	304.6
55°	153.0	154.7	157.8	160.0	161.3	165.7	170.9	183.6	201.6	223.5	261.2
57.5°	137.2	141.1	142.0	143.3	145.5	150.3	155.1	162.6	176.6	196.8	224.4
60°	122.3	123.6	126.7	128.0	130.2	132.8	138.9	144.6	154.7	170.5	195.5
62.5°	106.9	110.0	111.3	112.6	114.4	117.5	121.4	127.5	136.3	149.0	168.7
65°	93.8	94.2	96.9	98.6	100.4	102.6	106.5	112.2	117.5	129.3	143.8
67.5°	81.1	82.0	82.8	84.6	86.8	89.0	92.5	95.5	102.1	110.0	121.4
70°	68.8	68.8	71.0	72.3	71.9	74.5	77.1	80.6	85.5	92.9	102.1
72.5°	57.9	57.4	59.2	59.6	60.5	62.2	64.0	67.5	70.1	75.8	82.8
75°	46.0	46.9	47.8	47.8	49.1	50.4	52.2	53.9	57.0	60.5	65.7
77.5°	36.4	36.4	37.3	37.7	39.0	38.6	40.3	42.1	44.3	47.3	51.3
80°	26.7	27.6	27.6	27.6	28.0	28.5	30.2	31.6	32.9	35.1	36.8
82.5°	18.8	18.8	19.7	19.7	19.7	20.6	20.6	21.0	21.9	23.2	24.5
85°	11.8	11.8	11.8	12.3	11.8	12.3	13.1	12.7	13.1	14.0	14.0
87.5°	5.7	5.7	5.7	5.7	5.7	6.1	5.7	6.1	6.6	6.6	6.6
90°	11.6	11.6	11.6	11.4	11.3	10.6	11.3	11.6	12.0	11.6	9.5
92.5°	21.8	23.3	23.6	25.0	26.4	30.3	35.6	45.4	54.3	53.6	41.6
95°	40.9	43.7	48.3	52.2	56.0	70.8	92.3	120.8	138.1	122.3	81.4
97.5°	73.3	80.3	94.1	104.6	115.2	150.8	188.8	226.9	225.1	174.0	108.2
100°	142.7	157.8	187.1	208.4	229.7	278.0	321.7	329.1	278.3	191.7	115.6
102.5°	268.5	297.0	329.4	352.3	375.2	407.3	408.7	367.1	280.1	185.0	115.9
105°	417.1	439.0	460.8	466.6	472.4	467.9	428.1	354.8	261.1	175.8	117.7
107.5°	511.6	514.7	515.1	508.0	501.0	466.5	407.3	328.7	243.4	170.9	121.5
110°	537.6	530.9	515.8	501.4	486.9	441.8	378.7	304.4	231.5	169.5	126.5

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	530.6	518.2	495.7	478.6	461.5	412.6	352.7	287.5	223.7	169.8	131.8
115°	510.1	493.9	468.9	450.8	432.6	386.5	332.2	274.1	218.4	171.2	137.0
117.5°	484.4	467.2	441.4	424.2	406.9	363.9	315.3	264.9	215.6	173.3	142.7
120°	457.7	441.1	416.4	400.4	384.4	347.0	303.3	257.9	213.1	175.5	148.3
122.5°	433.7	417.5	396.0	381.9	367.8	332.9	293.8	251.9	211.7	177.9	153.3
125°	412.2	398.8	378.4	365.2	352.0	321.0	284.7	246.3	210.0	180.4	158.5
127.5°	393.9	381.2	363.2	350.9	338.6	309.0	275.5	241.0	208.9	182.8	163.5
130°	377.3	365.3	348.1	336.5	324.8	297.0	266.7	235.7	208.2	185.7	168.1
132.5°	361.1	349.1	332.2	321.4	310.7	285.7	258.2	231.5	207.9	188.5	172.6
135°	343.5	331.9	316.7	306.8	297.0	273.7	250.5	227.6	207.5	190.6	176.5
137.5°	325.5	315.3	300.9	292.1	283.3	264.2	244.2	224.8	207.5	192.7	179.7
140°	307.2	298.1	286.8	279.0	271.3	255.1	238.2	222.3	207.2	194.1	182.1
142.5°	291.4	283.3	272.7	266.5	260.4	247.0	233.2	219.8	207.2	195.2	184.3
145°	275.9	269.9	261.4	256.3	251.2	240.3	228.7	217.7	206.5	195.9	186.0
147.5°	263.5	258.6	251.2	247.3	243.4	234.6	225.1	215.6	205.4	196.2	187.1
150°	252.3	248.0	242.7	239.6	236.4	229.0	221.3	212.8	204.3	195.9	187.8
152.5°	243.1	239.6	235.7	233.0	230.4	224.4	217.4	210.3	202.6	195.2	188.1
155°	235.0	232.5	228.7	226.8	224.8	219.5	213.9	207.2	200.5	194.5	188.5
157.5°	227.2	225.1	222.3	220.7	219.1	214.6	209.6	204.3	198.4	193.1	188.5
160°	220.2	218.4	216.0	214.8	213.5	209.6	205.7	201.2	196.2	192.0	188.5
162.5°	213.5	212.4	210.0	209.1	208.2	205.0	201.9	198.4	194.5	191.0	188.1
165°	207.2	205.7	204.3	203.6	202.9	200.5	198.0	195.2	192.0	189.5	187.4
167.5°	200.8	200.1	199.4	198.7	198.0	196.2	194.1	192.0	189.9	188.1	187.1
170°	195.9	194.8	194.5	194.2	193.8	192.4	191.3	189.5	188.1	187.1	186.4
172.5°	191.0	190.6	190.2	190.0	189.9	188.8	188.1	187.1	186.0	185.7	185.3
175°	187.4	187.1	187.1	186.9	186.7	186.4	186.0	185.0	184.6	184.3	184.6
177.5°	184.6	184.6	184.6	184.6	184.6	184.3	184.3	183.6	183.2	183.6	184.3
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	585.1	582.9	581.6	582.5	579.8	573.3	573.3	575.4	572.8	570.2	566.2
5°	601.3	596.9	594.3	593.9	587.7	577.2	575.0	572.8	567.1	561.0	554.4
7.5°	617.1	609.2	604.8	601.7	593.0	579.4	573.7	568.9	559.7	550.5	542.1
10°	630.2	618.8	613.6	608.8	597.4	580.3	571.1	562.3	550.5	538.6	528.1
12.5°	640.7	627.6	621.0	614.0	600.0	577.6	566.2	552.2	540.4	524.6	514.1
15°	658.3	631.1	625.0	618.4	603.9	573.3	559.2	543.4	527.2	506.2	494.8
17.5°	672.3	635.9	635.5	621.5	602.6	571.5	550.0	529.4	511.9	490.9	472.9
20°	680.6	643.4	636.4	621.9	598.2	559.7	537.3	514.5	495.7	470.3	452.3
22.5°	687.6	653.9	635.5	618.0	589.0	555.7	522.9	501.4	475.5	447.9	430.8
25°	690.3	656.1	636.8	616.6	582.5	544.3	507.1	483.8	454.9	429.9	406.7
27.5°	690.7	655.6	632.0	610.9	573.3	529.4	491.3	466.8	434.8	405.8	382.6
30°	686.3	650.8	629.4	606.6	564.5	515.8	472.0	444.8	410.7	381.7	357.6
32.5°	673.2	641.2	623.7	598.7	553.1	497.0	453.6	423.4	387.4	358.9	335.7
35°	651.3	629.4	610.1	586.8	538.2	479.5	435.2	399.7	363.3	336.2	314.2
37.5°	624.1	612.3	594.3	571.5	521.1	463.7	414.6	375.2	338.8	312.5	291.0
40°	587.3	590.3	572.8	552.2	500.9	442.2	387.9	350.2	316.0	291.4	270.4
42.5°	547.4	560.1	550.0	530.3	478.6	418.5	368.1	326.5	293.2	267.8	250.2
45°	504.4	526.4	520.2	505.8	455.4	393.6	340.1	299.8	270.4	245.9	230.5
47.5°	457.5	488.7	488.7	478.1	429.5	368.6	316.0	274.8	245.9	228.3	213.4
50°	409.8	444.8	450.5	443.5	400.6	340.1	286.6	249.4	224.4	207.3	196.3
52.5°	359.8	400.6	411.1	407.6	369.9	312.9	262.5	226.1	203.4	188.5	178.8
55°	312.0	359.4	370.8	372.1	337.0	283.1	235.8	203.8	181.9	171.8	163.5
57.5°	266.9	312.5	325.2	327.4	303.7	255.9	210.8	182.8	163.0	154.7	148.1
60°	228.3	266.5	283.1	287.9	267.3	224.4	187.6	160.4	145.5	137.6	131.5
62.5°	196.8	227.5	245.0	246.3	237.1	196.8	163.5	140.7	128.0	121.0	117.9
65°	166.1	193.7	204.2	209.5	202.0	170.5	141.1	122.3	112.2	106.1	103.0
67.5°	141.6	159.1	167.9	174.9	167.4	143.8	120.1	104.7	97.3	91.2	89.4
70°	116.1	130.6	137.2	144.2	137.6	119.6	102.6	88.5	82.0	77.1	74.9
72.5°	92.9	104.3	110.4	114.8	110.9	96.0	82.0	72.3	67.5	64.0	62.7
75°	73.6	81.5	85.0	88.1	86.3	74.9	66.2	58.3	53.9	50.8	50.0
77.5°	56.1	61.8	65.7	66.6	64.4	57.0	49.5	44.7	41.2	39.4	38.6
80°	39.9	43.4	45.6	46.9	44.7	41.6	36.4	32.9	29.8	27.6	27.2
82.5°	26.7	28.5	30.2	29.8	28.9	26.3	23.2	21.5	20.2	18.4	18.4
85°	15.3	15.8	16.7	17.1	16.7	14.9	13.1	12.3	11.4	10.1	10.1
87.5°	6.6	7.0	7.0	7.5	6.6	6.6	5.7	4.8	4.8	4.4	3.9
90°	7.0	5.3	4.8	4.2	3.5	2.8	1.4	0.4	1.4	2.8	3.5
92.5°	28.2	18.7	16.8	14.8	12.0	10.2	7.4	5.3	7.4	10.2	12.0
95°	50.7	34.5	30.3	26.1	20.4	17.3	13.7	12.3	13.7	17.3	20.4
97.5°	65.5	44.7	40.0	35.2	28.9	24.3	20.4	18.3	20.4	24.3	28.9
100°	72.6	53.9	49.0	44.0	37.0	31.4	28.2	27.1	28.2	31.4	37.0
102.5°	78.9	62.0	57.0	52.1	44.7	39.1	35.9	35.2	35.9	39.1	44.7
105°	86.3	69.8	64.8	59.9	52.1	46.9	44.4	43.0	44.4	46.9	52.1
107.5°	93.7	77.5	72.6	67.6	59.9	55.0	52.5	51.4	52.5	55.0	59.9
110°	101.1	85.6	80.5	75.4	68.0	63.4	61.3	59.9	61.3	63.4	68.0

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	108.2	93.4	88.1	82.8	75.7	71.5	69.1	67.6	69.1	71.5	75.7
115°	115.6	100.4	95.6	90.9	83.9	79.6	77.5	75.7	77.5	79.6	83.9
117.5°	122.3	108.2	103.2	98.3	91.6	87.7	85.6	84.2	85.6	87.7	91.6
120°	129.3	115.6	110.6	105.7	98.6	95.5	93.4	92.0	93.4	95.5	98.6
122.5°	136.0	123.3	118.2	113.1	106.0	102.5	100.4	99.4	100.4	102.5	106.0
125°	142.7	130.0	125.0	120.1	113.1	108.9	106.8	105.7	106.8	108.9	113.1
127.5°	149.0	136.7	131.6	126.5	119.8	115.2	112.4	111.0	112.4	115.2	119.8
130°	154.7	142.3	137.4	132.5	125.4	120.5	117.0	115.6	117.0	120.5	125.4
132.5°	159.6	148.0	143.0	138.1	130.7	125.4	121.5	119.8	121.5	125.4	130.7
135°	164.2	152.9	148.0	143.0	134.9	129.7	125.4	124.0	125.4	129.7	134.9
137.5°	168.1	156.8	152.2	147.6	139.5	133.9	129.7	127.9	129.7	133.9	139.5
140°	171.2	160.7	156.1	151.5	143.7	138.1	133.9	132.5	133.9	138.1	143.7
142.5°	173.7	163.5	159.2	155.0	147.6	142.0	138.1	137.0	138.1	142.0	147.6
145°	176.2	166.6	162.8	158.9	151.8	146.6	143.0	141.6	143.0	146.6	151.8
147.5°	178.3	169.1	165.6	162.1	156.1	151.1	147.6	146.6	147.6	151.1	156.1
150°	179.7	171.6	168.4	165.2	159.9	155.4	152.6	151.5	152.6	155.4	159.9
152.5°	181.1	174.0	171.2	168.4	163.5	159.6	156.8	156.4	156.8	159.6	163.5
155°	182.5	176.5	173.8	171.2	167.3	163.5	161.4	161.0	161.4	163.5	167.3
157.5°	183.6	178.3	176.0	173.7	170.5	167.0	165.2	164.9	165.2	167.0	170.5
160°	184.3	180.0	178.1	176.2	173.3	170.5	169.1	168.8	169.1	170.5	173.3
162.5°	184.6	181.1	179.7	178.3	175.8	173.7	172.3	172.6	172.3	173.7	175.8
165°	185.0	181.8	180.8	179.7	177.9	175.8	175.1	175.5	175.1	175.8	177.9
167.5°	185.0	182.5	181.8	181.1	179.7	178.3	177.6	177.9	177.6	178.3	179.7
170°	184.6	182.8	182.3	181.8	181.1	180.0	179.7	180.4	179.7	180.0	181.1
172.5°	184.3	183.2	182.8	182.5	182.1	181.1	181.4	181.8	181.4	181.1	182.1
175°	183.9	183.2	183.0	182.8	182.8	182.1	182.5	182.8	182.5	182.1	182.8
177.5°	183.6	183.2	183.2	183.2	183.2	182.5	182.8	183.6	182.8	182.5	183.2
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	564.0	566.2	565.8	561.4	556.6	552.7	545.2	546.1	543.4	543.9	546.5
5°	550.0	550.0	548.3	542.1	534.2	529.9	521.5	519.3	514.1	513.6	513.2
7.5°	535.1	532.9	530.7	522.0	512.3	505.3	493.9	491.3	486.0	482.5	480.8
10°	517.6	514.5	510.1	500.1	488.2	479.5	467.6	464.1	454.0	449.7	447.0
12.5°	498.3	496.6	489.5	481.2	461.9	452.3	435.2	438.7	428.6	419.9	418.5
15°	479.0	472.5	468.5	454.9	431.7	427.3	413.7	406.7	397.5	390.5	390.5
17.5°	460.2	450.1	441.3	426.9	409.8	397.5	387.4	383.9	372.5	365.5	364.2
20°	435.2	423.8	421.6	401.0	389.2	375.6	366.0	357.2	348.9	345.8	343.6
22.5°	411.5	398.4	394.9	377.3	365.5	351.9	342.3	336.2	330.0	327.8	323.9
25°	386.1	378.2	373.0	354.1	341.0	328.3	321.7	317.3	311.6	311.2	308.5
27.5°	361.6	354.1	348.9	330.9	321.2	309.4	304.2	299.3	296.3	295.0	293.6
30°	340.5	332.2	326.1	312.9	301.1	291.4	287.1	284.0	282.2	280.1	279.6
32.5°	317.3	312.5	304.2	294.1	284.9	275.7	273.0	270.8	268.2	267.3	266.9
35°	297.6	291.0	285.7	274.4	270.4	262.5	259.5	257.7	254.2	253.3	252.4
37.5°	278.3	272.2	266.5	259.5	252.0	247.6	245.9	243.2	241.5	241.9	241.0
40°	259.0	254.2	249.8	242.4	238.0	235.8	232.3	229.7	228.8	229.2	228.8
42.5°	240.2	235.8	233.2	227.5	223.1	220.9	218.7	216.1	217.4	217.4	218.7
45°	223.1	219.1	217.4	213.0	210.4	206.9	204.7	204.2	206.0	205.5	205.5
47.5°	205.5	204.2	202.0	198.1	194.6	192.4	192.0	192.0	193.7	194.6	194.2
50°	192.0	189.3	186.7	183.6	181.0	180.1	178.8	179.7	181.4	181.4	182.3
52.5°	174.9	173.1	172.2	169.6	167.9	167.9	167.9	168.3	169.6	170.9	170.5
55°	160.0	158.7	157.8	156.5	154.3	154.7	154.3	155.1	156.5	157.8	158.7
57.5°	144.2	143.8	142.9	140.7	140.7	140.2	141.6	142.0	144.2	145.1	146.4
60°	130.2	128.9	128.9	127.1	127.1	127.1	128.4	129.7	131.5	131.9	132.8
62.5°	115.3	115.3	114.8	113.5	113.5	114.8	115.3	117.0	117.9	117.9	119.2
65°	101.2	100.8	100.4	100.8	101.2	101.2	102.6	103.4	104.3	104.7	105.2
67.5°	87.2	86.8	87.7	87.2	88.1	89.8	89.4	90.7	92.0	92.0	92.5
70°	74.1	74.9	74.5	75.4	74.9	75.8	77.1	77.6	77.6	78.0	79.3
72.5°	61.8	61.8	61.8	61.4	61.8	62.7	63.5	64.0	64.9	65.3	66.6
75°	50.0	50.0	49.1	50.0	50.0	50.8	51.7	51.7	51.7	52.6	53.9
77.5°	37.7	38.1	37.7	38.6	38.6	39.0	39.9	39.4	40.3	40.8	41.2
80°	27.6	27.2	27.2	27.2	27.6	27.6	28.5	28.9	28.9	30.2	29.4
82.5°	17.5	18.0	17.5	18.0	18.0	18.4	18.0	18.4	18.8	19.7	19.3
85°	10.1	9.6	9.6	10.1	9.6	9.6	10.1	9.6	10.1	9.6	10.1
87.5°	3.9	3.5	3.5	3.5	3.5	3.1	3.1	2.6	2.6	2.6	2.2
90°	4.2	4.8	5.3	7.0	9.5	11.6	12.0	11.6	11.3	10.6	11.3
92.5°	14.8	16.8	18.7	28.2	41.6	53.6	54.3	45.4	35.6	30.3	26.4
95°	26.1	30.3	34.5	50.7	81.4	122.3	138.1	120.8	92.3	70.8	56.0
97.5°	35.2	40.0	44.7	65.5	108.2	174.0	225.1	226.9	188.8	150.8	115.2
100°	44.0	49.0	53.9	72.6	115.6	191.7	278.3	329.1	321.7	278.0	229.7
102.5°	52.1	57.0	62.0	78.9	115.9	185.0	280.1	367.1	408.7	407.3	375.2
105°	59.9	64.8	69.8	86.3	117.7	175.8	261.1	354.8	428.1	467.9	472.4
107.5°	67.6	72.6	77.5	93.7	121.5	170.9	243.4	328.7	407.3	466.5	501.0
110°	75.4	80.5	85.6	101.1	126.5	169.5	231.5	304.4	378.7	441.8	486.9

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	82.8	88.1	93.4	108.2	131.8	169.8	223.7	287.5	352.7	412.6	461.5
115°	90.9	95.6	100.4	115.6	137.0	171.2	218.4	274.1	332.2	386.5	432.6
117.5°	98.3	103.2	108.2	122.3	142.7	173.3	215.6	264.9	315.3	363.9	406.9
120°	105.7	110.6	115.6	129.3	148.3	175.5	213.1	257.9	303.3	347.0	384.4
122.5°	113.1	118.2	123.3	136.0	153.3	177.9	211.7	251.9	293.8	332.9	367.8
125°	120.1	125.0	130.0	142.7	158.5	180.4	210.0	246.3	284.7	321.0	352.0
127.5°	126.5	131.6	136.7	149.0	163.5	182.8	208.9	241.0	275.5	309.0	338.6
130°	132.5	137.4	142.3	154.7	168.1	185.7	208.2	235.7	266.7	297.0	324.8
132.5°	138.1	143.0	148.0	159.6	172.6	188.5	207.9	231.5	258.2	285.7	310.7
135°	143.0	148.0	152.9	164.2	176.5	190.6	207.5	227.6	250.5	273.7	297.0
137.5°	147.6	152.2	156.8	168.1	179.7	192.7	207.5	224.8	244.2	264.2	283.3
140°	151.5	156.1	160.7	171.2	182.1	194.1	207.2	222.3	238.2	255.1	271.3
142.5°	155.0	159.2	163.5	173.7	184.3	195.2	207.2	219.8	233.2	247.0	260.4
145°	158.9	162.8	166.6	176.2	186.0	195.9	206.5	217.7	228.7	240.3	251.2
147.5°	162.1	165.6	169.1	178.3	187.1	196.2	205.4	215.6	225.1	234.6	243.4
150°	165.2	168.4	171.6	179.7	187.8	195.9	204.3	212.8	221.3	229.0	236.4
152.5°	168.4	171.2	174.0	181.1	188.1	195.2	202.6	210.3	217.4	224.4	230.4
155°	171.2	173.8	176.5	182.5	188.5	194.5	200.5	207.2	213.9	219.5	224.8
157.5°	173.7	176.0	178.3	183.6	188.5	193.1	198.4	204.3	209.6	214.6	219.1
160°	176.2	178.1	180.0	184.3	188.5	192.0	196.2	201.2	205.7	209.6	213.5
162.5°	178.3	179.7	181.1	184.6	188.1	191.0	194.5	198.4	201.9	205.0	208.2
165°	179.7	180.8	181.8	185.0	187.4	189.5	192.0	195.2	198.0	200.5	202.9
167.5°	181.1	181.8	182.5	185.0	187.1	188.1	189.9	192.0	194.1	196.2	198.0
170°	181.8	182.3	182.8	184.6	186.4	187.1	188.1	189.5	191.3	192.4	193.8
172.5°	182.5	182.8	183.2	184.3	185.3	185.7	186.0	187.1	188.1	188.8	189.9
175°	182.8	183.0	183.2	183.9	184.6	184.3	184.6	185.0	186.0	186.4	186.7
177.5°	183.2	183.2	183.2	183.6	184.3	183.6	183.2	183.6	184.3	184.3	184.6
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	543.4	544.8	541.7	540.8	541.7	538.6	539.5	540.4	540.4	541.7	542.6
5°	511.9	510.1	507.1	506.2	505.3	506.6	505.8	507.1	507.5	510.6	511.0
7.5°	480.8	478.1	475.5	472.9	472.0	469.8	472.0	472.0	475.1	474.2	476.4
10°	444.0	443.5	440.0	438.7	437.0	433.4	438.3	437.0	439.1	443.1	444.0
12.5°	416.8	412.0	414.2	408.0	410.2	406.7	407.1	407.1	410.7	411.1	410.2
15°	390.9	387.0	381.3	378.7	377.3	375.6	381.3	381.7	379.1	385.2	383.0
17.5°	364.6	364.6	359.4	358.1	354.6	356.3	355.4	355.9	355.0	359.4	361.6
20°	341.8	339.7	337.9	338.3	334.0	333.1	332.2	333.1	336.2	339.2	340.1
22.5°	323.4	322.1	317.7	318.6	315.1	316.4	315.6	317.7	318.2	318.2	321.2
25°	305.9	304.2	304.6	302.8	301.5	301.5	300.2	301.5	303.3	304.2	304.6
27.5°	292.8	291.4	289.3	287.9	288.8	286.6	288.4	289.7	289.7	288.8	289.7
30°	277.0	277.9	277.9	273.5	275.2	274.4	275.7	276.5	276.5	277.0	276.1
32.5°	266.5	263.8	263.4	263.0	263.0	261.2	261.2	262.5	263.0	263.4	264.7
35°	252.4	252.4	250.2	251.6	249.8	250.2	249.8	250.2	251.1	249.8	251.1
37.5°	239.7	240.2	239.3	240.2	240.6	239.7	238.9	240.6	239.7	239.7	238.9
40°	228.8	228.3	228.8	228.8	228.8	229.2	228.3	228.3	228.3	227.5	226.6
42.5°	219.6	216.9	217.8	218.3	216.9	216.9	217.4	216.9	218.3	215.6	215.6
45°	206.4	205.5	206.0	206.0	206.9	205.5	206.4	206.9	205.5	205.1	204.2
47.5°	194.6	195.5	194.6	195.5	195.5	196.3	194.6	195.0	195.5	193.7	192.4
50°	182.8	182.8	184.1	183.6	184.1	183.2	183.2	182.8	183.2	182.3	181.0
52.5°	171.8	170.5	172.7	172.2	171.8	171.4	170.9	171.4	170.5	169.6	169.6
55°	158.2	158.2	159.5	160.0	160.0	159.1	158.2	158.7	158.2	157.8	157.3
57.5°	147.3	145.5	146.4	146.8	146.8	145.5	146.4	145.5	145.5	145.9	144.6
60°	133.2	133.2	132.4	133.7	133.7	132.8	132.8	133.2	132.4	131.9	131.5
62.5°	118.3	118.8	120.1	120.5	121.0	120.1	119.2	119.6	119.6	118.3	118.8
65°	105.6	106.5	108.3	107.8	106.9	107.4	106.5	106.9	105.6	106.1	104.7
67.5°	93.4	92.9	93.4	93.4	94.2	93.8	92.9	92.9	92.5	93.8	92.5
70°	80.2	80.2	80.2	80.2	80.6	81.1	80.2	79.3	79.8	78.9	78.4
72.5°	66.6	67.1	66.6	67.5	66.2	67.1	67.1	66.6	66.2	66.2	66.2
75°	53.9	54.8	53.5	53.9	53.5	54.3	53.9	53.9	53.0	52.6	53.0
77.5°	41.2	41.6	40.8	41.2	40.8	41.2	41.2	40.8	40.8	40.8	40.8
80°	29.4	29.8	29.4	28.9	28.5	29.4	28.5	28.9	29.4	28.9	29.8
82.5°	18.8	18.8	18.4	18.8	18.0	18.0	18.4	18.4	18.0	18.8	18.0
85°	9.2	9.2	10.1	9.2	8.8	8.8	8.8	9.2	8.8	9.6	9.2
87.5°	2.2	1.8	2.2	2.2	1.8	1.8	2.2	1.8	2.2	2.6	1.8
90°	11.4	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.4
92.5°	25.0	23.6	23.3	21.8	22.2	21.5	22.2	21.8	23.3	23.6	25.0
95°	52.2	48.3	43.7	40.9	39.8	40.2	39.8	40.9	43.7	48.3	52.2
97.5°	104.6	94.1	80.3	73.3	69.4	67.3	69.4	73.3	80.3	94.1	104.6
100°	208.4	187.1	157.8	142.7	132.5	126.1	132.5	142.7	157.8	187.1	208.4
102.5°	352.3	329.4	297.0	268.5	255.1	245.9	255.1	268.5	297.0	329.4	352.3
105°	466.6	460.8	439.0	417.1	402.0	397.1	402.0	417.1	439.0	460.8	466.6
107.5°	508.0	515.1	514.7	511.6	507.0	498.9	507.0	511.6	514.7	515.1	508.0
110°	501.4	515.8	530.9	537.6	540.8	540.4	540.8	537.6	530.9	515.8	501.4

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	478.6	495.7	518.2	530.6	537.3	539.7	537.3	530.6	518.2	495.7	478.6
115°	450.8	468.9	493.9	510.1	519.3	522.5	519.3	510.1	493.9	468.9	450.8
117.5°	424.2	441.4	467.2	484.4	493.9	496.4	493.9	484.4	467.2	441.4	424.2
120°	400.4	416.4	441.1	457.7	467.9	471.4	467.9	457.7	441.1	416.4	400.4
122.5°	381.9	396.0	417.5	433.7	442.5	445.3	442.5	433.7	417.5	396.0	381.9
125°	365.2	378.4	398.8	412.2	421.0	423.8	421.0	412.2	398.8	378.4	365.2
127.5°	350.9	363.2	381.2	393.9	401.6	403.7	401.6	393.9	381.2	363.2	350.9
130°	336.5	348.1	365.3	377.3	384.4	387.2	384.4	377.3	365.3	348.1	336.5
132.5°	321.4	332.2	349.1	361.1	367.5	369.9	367.5	361.1	349.1	332.2	321.4
135°	306.8	316.7	331.9	343.5	349.8	351.3	349.8	343.5	331.9	316.7	306.8
137.5°	292.1	300.9	315.3	325.5	331.2	333.3	331.2	325.5	315.3	300.9	292.1
140°	279.0	286.8	298.1	307.2	312.5	314.6	312.5	307.2	298.1	286.8	279.0
142.5°	266.5	272.7	283.3	291.4	295.9	295.9	295.9	291.4	283.3	272.7	266.5
145°	256.3	261.4	269.9	275.9	279.4	280.4	279.4	275.9	269.9	261.4	256.3
147.5°	247.3	251.2	258.6	263.5	266.0	266.7	266.0	263.5	258.6	251.2	247.3
150°	239.6	242.7	248.0	252.3	254.4	254.7	254.4	252.3	248.0	242.7	239.6
152.5°	233.0	235.7	239.6	243.1	244.5	244.5	244.5	243.1	239.6	235.7	233.0
155°	226.8	228.7	232.5	235.0	236.4	235.7	236.4	235.0	232.5	228.7	226.8
157.5°	220.7	222.3	225.1	227.2	227.9	227.9	227.9	227.2	225.1	222.3	220.7
160°	214.8	216.0	218.4	220.2	220.5	220.5	220.5	220.2	218.4	216.0	214.8
162.5°	209.1	210.0	212.4	213.5	213.9	213.5	213.9	213.5	212.4	210.0	209.1
165°	203.6	204.3	205.7	207.2	207.2	206.8	207.2	207.2	205.7	204.3	203.6
167.5°	198.7	199.4	200.1	200.8	200.8	200.5	200.8	200.8	200.1	199.4	198.7
170°	194.2	194.5	194.8	195.9	195.5	194.8	195.5	195.9	194.8	194.5	194.2
172.5°	190.0	190.2	190.6	191.0	190.6	190.2	190.6	191.0	190.6	190.2	190.0
175°	186.9	187.1	187.1	187.4	187.1	186.4	187.1	187.4	187.1	187.1	186.9
177.5°	184.6	184.6	184.6	184.6	184.3	183.6	184.3	184.6	184.6	184.6	184.6
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2	570.2
2.5°	541.3	544.8	543.4	538.6	544.3	544.3	548.3	548.3	553.1	554.8	557.5
5°	510.6	513.2	515.4	513.2	517.2	523.3	526.8	529.9	536.4	539.1	543.0
7.5°	477.7	482.5	484.7	484.7	491.3	498.3	505.3	509.7	518.9	522.4	526.4
10°	445.7	451.4	455.8	455.4	466.3	470.7	479.5	489.5	498.7	504.0	509.7
12.5°	412.0	415.0	421.2	429.9	432.6	440.5	450.5	463.2	479.9	484.7	493.0
15°	383.9	392.2	397.1	401.0	407.1	414.6	425.6	437.8	454.5	465.0	473.8
17.5°	360.3	371.2	374.3	373.4	381.3	392.7	405.4	414.6	429.5	442.2	450.5
20°	341.0	345.4	350.6	352.8	358.9	371.2	383.5	394.0	406.3	416.4	426.0
22.5°	321.7	325.2	329.6	333.5	338.3	345.4	357.2	370.3	382.2	391.8	402.8
25°	305.9	308.1	312.0	315.1	320.4	325.2	333.5	348.0	362.0	367.7	377.3
27.5°	290.6	292.3	295.0	298.5	301.1	305.9	313.4	325.2	339.7	345.4	358.5
30°	277.0	278.3	280.9	282.7	284.0	289.7	295.4	304.6	315.6	323.4	333.1
32.5°	264.3	265.6	268.2	268.7	270.4	273.5	278.7	287.1	296.7	303.3	311.6
35°	250.2	251.1	253.8	254.6	255.9	258.6	262.5	268.7	277.4	282.2	289.7
37.5°	239.3	238.9	240.6	241.9	243.7	245.0	246.3	252.4	259.0	263.4	269.1
40°	227.5	226.6	227.0	228.8	229.7	231.4	231.4	237.5	241.9	245.4	249.8
42.5°	215.6	215.2	214.3	215.2	216.1	216.5	216.9	221.3	225.7	228.8	233.6
45°	203.8	203.4	202.5	202.9	202.9	203.8	205.1	206.9	209.9	212.6	215.2
47.5°	192.8	192.0	190.6	190.2	191.1	191.1	191.1	192.8	195.9	196.8	199.4
50°	181.4	180.1	178.4	177.5	177.5	177.1	177.9	178.4	181.0	181.9	184.1
52.5°	169.2	168.3	166.5	164.8	165.2	164.3	164.8	165.2	166.1	167.4	168.7
55°	156.9	155.1	153.8	153.4	152.1	152.1	150.8	152.5	152.1	152.5	154.3
57.5°	145.1	143.3	141.1	140.2	138.9	138.5	137.6	137.2	137.6	138.9	140.2
60°	131.0	130.2	128.9	127.5	126.7	125.3	124.5	124.5	124.0	124.0	124.5
62.5°	117.5	117.0	115.3	114.8	113.9	113.1	111.8	110.9	110.9	111.8	112.2
65°	104.3	103.9	102.6	102.1	99.9	99.0	98.6	98.2	97.3	97.3	97.3
67.5°	92.0	90.7	90.7	88.5	86.8	85.9	85.0	84.6	84.6	84.6	85.0
70°	78.4	78.4	77.1	75.8	74.1	74.5	73.2	71.9	71.9	71.0	71.4
72.5°	65.3	64.9	63.5	63.1	61.8	60.5	59.6	60.5	59.2	58.7	59.2
75°	52.6	52.2	51.3	50.4	50.8	49.5	48.2	47.8	47.8	46.9	46.9
77.5°	40.3	41.2	39.4	39.0	38.1	37.3	36.8	36.4	36.4	36.4	37.3
80°	28.0	28.5	28.5	27.6	28.0	26.7	26.7	26.7	25.4	25.9	26.3
82.5°	18.0	18.0	17.5	18.0	17.5	17.5	17.1	17.1	16.7	16.7	17.1
85°	10.1	9.6	9.2	10.1	9.6	9.6	9.2	9.2	9.2	9.2	9.2
87.5°	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5
90°	11.3	10.6	11.3	11.6	12.0	11.6	9.5	7.0	5.3	4.8	4.2
92.5°	26.4	30.3	35.6	45.4	54.3	53.6	41.6	28.2	18.7	16.8	14.8
95°	56.0	70.8	92.3	120.8	138.1	122.3	81.4	50.7	34.5	30.3	26.1
97.5°	115.2	150.8	188.8	226.9	225.1	174.0	108.2	65.5	44.7	40.0	35.2
100°	229.7	278.0	321.7	329.1	278.3	191.7	115.6	72.6	53.9	49.0	44.0
102.5°	375.2	407.3	408.7	367.1	280.1	185.0	115.9	78.9	62.0	57.0	52.1
105°	472.4	467.9	428.1	354.8	261.1	175.8	117.7	86.3	69.8	64.8	59.9
107.5°	501.0	466.5	407.3	328.7	243.4	170.9	121.5	93.7	77.5	72.6	67.6
110°	486.9	441.8	378.7	304.4	231.5	169.5	126.5	101.1	85.6	80.5	75.4

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	461.5	412.6	352.7	287.5	223.7	169.8	131.8	108.2	93.4	88.1	82.8
115°	432.6	386.5	332.2	274.1	218.4	171.2	137.0	115.6	100.4	95.6	90.9
117.5°	406.9	363.9	315.3	264.9	215.6	173.3	142.7	122.3	108.2	103.2	98.3
120°	384.4	347.0	303.3	257.9	213.1	175.5	148.3	129.3	115.6	110.6	105.7
122.5°	367.8	332.9	293.8	251.9	211.7	177.9	153.3	136.0	123.3	118.2	113.1
125°	352.0	321.0	284.7	246.3	210.0	180.4	158.5	142.7	130.0	125.0	120.1
127.5°	338.6	309.0	275.5	241.0	208.9	182.8	163.5	149.0	136.7	131.6	126.5
130°	324.8	297.0	266.7	235.7	208.2	185.7	168.1	154.7	142.3	137.4	132.5
132.5°	310.7	285.7	258.2	231.5	207.9	188.5	172.6	159.6	148.0	143.0	138.1
135°	297.0	273.7	250.5	227.6	207.5	190.6	176.5	164.2	152.9	148.0	143.0
137.5°	283.3	264.2	244.2	224.8	207.5	192.7	179.7	168.1	156.8	152.2	147.6
140°	271.3	255.1	238.2	222.3	207.2	194.1	182.1	171.2	160.7	156.1	151.5
142.5°	260.4	247.0	233.2	219.8	207.2	195.2	184.3	173.7	163.5	159.2	155.0
145°	251.2	240.3	228.7	217.7	206.5	195.9	186.0	176.2	166.6	162.8	158.9
147.5°	243.4	234.6	225.1	215.6	205.4	196.2	187.1	178.3	169.1	165.6	162.1
150°	236.4	229.0	221.3	212.8	204.3	195.9	187.8	179.7	171.6	168.4	165.2
152.5°	230.4	224.4	217.4	210.3	202.6	195.2	188.1	181.1	174.0	171.2	168.4
155°	224.8	219.5	213.9	207.2	200.5	194.5	188.5	182.5	176.5	173.8	171.2
157.5°	219.1	214.6	209.6	204.3	198.4	193.1	188.5	183.6	178.3	176.0	173.7
160°	213.5	209.6	205.7	201.2	196.2	192.0	188.5	184.3	180.0	178.1	176.2
162.5°	208.2	205.0	201.9	198.4	194.5	191.0	188.1	184.6	181.1	179.7	178.3
165°	202.9	200.5	198.0	195.2	192.0	189.5	187.4	185.0	181.8	180.8	179.7
167.5°	198.0	196.2	194.1	192.0	189.9	188.1	187.1	185.0	182.5	181.8	181.1
170°	193.8	192.4	191.3	189.5	188.1	187.1	186.4	184.6	182.8	182.3	181.8
172.5°	189.9	188.8	188.1	187.1	186.0	185.7	185.3	184.3	183.2	182.8	182.5
175°	186.7	186.4	186.0	185.0	184.6	184.3	184.6	183.9	183.2	183.0	182.8
177.5°	184.6	184.3	184.3	183.6	183.2	183.6	184.3	183.6	183.2	183.2	183.2
180°	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2	183.2

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	570.2	570.2	570.2	570.2
2.5°	559.7	559.7	566.2	573.3
5°	547.4	550.5	561.0	570.6
7.5°	535.6	540.8	554.0	566.2
10°	521.1	528.1	544.3	558.8
12.5°	507.1	513.6	532.5	548.7
15°	487.4	495.7	515.8	536.0
17.5°	467.6	476.0	500.5	524.2
20°	444.4	455.4	483.0	514.5
22.5°	422.9	436.5	467.2	492.6
25°	399.3	420.3	448.8	481.7
27.5°	378.2	399.3	428.2	461.5
30°	354.6	376.0	405.8	436.5
32.5°	331.8	351.5	380.4	418.1
35°	308.1	326.9	355.0	393.1
37.5°	286.6	305.0	335.7	370.8
40°	265.6	284.9	311.2	346.2
42.5°	245.9	263.0	286.6	321.7
45°	227.9	240.2	262.1	295.0
47.5°	209.1	220.0	240.2	273.0
50°	191.5	200.7	218.3	248.9
52.5°	174.4	182.3	198.5	223.1
55°	159.1	166.5	178.4	202.5
57.5°	143.3	149.0	160.4	179.7
60°	128.0	133.2	142.4	158.2
62.5°	112.6	117.0	125.8	138.5
65°	99.0	102.6	109.1	120.1
67.5°	85.9	88.1	93.4	102.1
70°	73.2	74.9	79.3	86.3
72.5°	59.6	61.4	66.2	71.0
75°	48.2	48.6	52.2	56.1
77.5°	37.7	37.3	39.9	43.0
80°	25.9	27.2	29.4	30.7
82.5°	17.5	18.0	18.8	19.7
85°	9.6	10.1	10.1	11.4
87.5°	3.9	4.4	4.4	4.8
90°	3.5	2.8	1.4	0.4
92.5°	12.0	10.2	7.4	5.3
95°	20.4	17.3	13.7	12.3
97.5°	28.9	24.3	20.4	18.3
100°	37.0	31.4	28.2	27.1
102.5°	44.7	39.1	35.9	35.2
105°	52.1	46.9	44.4	43.0
107.5°	59.9	55.0	52.5	51.4
110°	68.0	63.4	61.3	59.9

TEST NUMBER: P1008810

CATALOG NUMBER: S122DIP-B290D330UB27-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	75.7	71.5	69.1	67.6
115°	83.9	79.6	77.5	75.7
117.5°	91.6	87.7	85.6	84.2
120°	98.6	95.5	93.4	92.0
122.5°	106.0	102.5	100.4	99.4
125°	113.1	108.9	106.8	105.7
127.5°	119.8	115.2	112.4	111.0
130°	125.4	120.5	117.0	115.6
132.5°	130.7	125.4	121.5	119.8
135°	134.9	129.7	125.4	124.0
137.5°	139.5	133.9	129.7	127.9
140°	143.7	138.1	133.9	132.5
142.5°	147.6	142.0	138.1	137.0
145°	151.8	146.6	143.0	141.6
147.5°	156.1	151.1	147.6	146.6
150°	159.9	155.4	152.6	151.5
152.5°	163.5	159.6	156.8	156.4
155°	167.3	163.5	161.4	161.0
157.5°	170.5	167.0	165.2	164.9
160°	173.3	170.5	169.1	168.8
162.5°	175.8	173.7	172.3	172.6
165°	177.9	175.8	175.1	175.5
167.5°	179.7	178.3	177.6	177.9
170°	181.1	180.0	179.7	180.4
172.5°	182.1	181.1	181.4	181.8
175°	182.8	182.1	182.5	182.8
177.5°	183.2	182.5	182.8	183.6
180°	183.2	183.2	183.2	183.2

(END OF REPORT)