

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: P1027786

Luminaire Tested: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1027786
REPORT IS A COMBINATION OF REPORTS P1001872 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S125DIP-B375D1090UB50-4F0-XX-W2A-A4
Description: Define 5 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

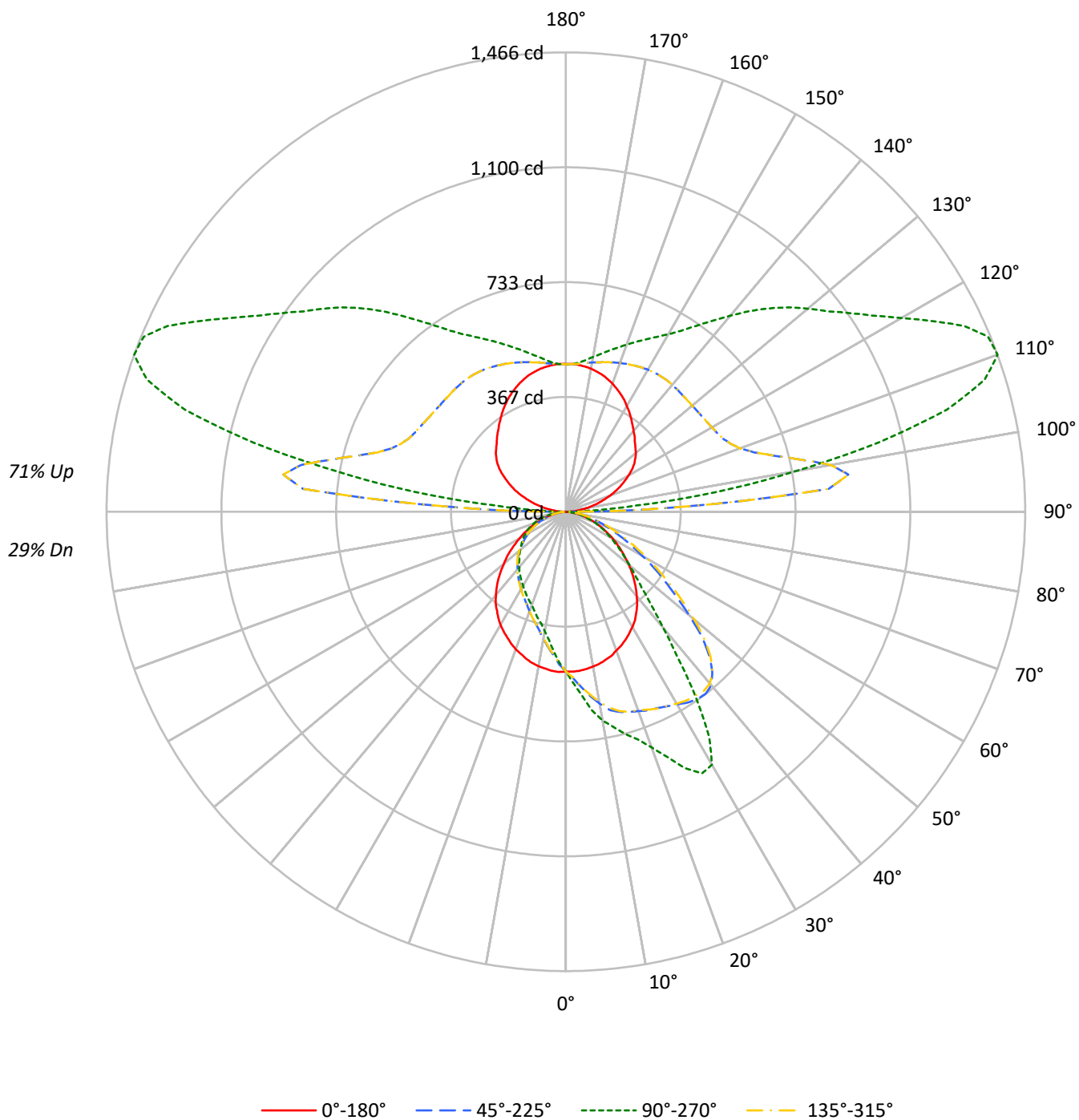
Lumens per Lamp: N/A
Luminaire Lumens: 4980.0 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.43 / 1.52
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 41.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	102	102	102	102	91	91	91	91	72	72	72	53	53	53	37	37	37
1	93	89	85	82	83	80	77	74	63	61	59	47	46	45	33	32	31
2	85	78	72	67	76	70	65	61	55	52	49	41	39	37	29	28	26
3	77	68	61	56	69	62	56	51	49	45	41	37	34	32	26	24	23
4	71	61	53	47	63	55	48	43	43	39	35	33	30	27	23	21	20
5	65	54	46	40	58	49	42	37	39	34	30	29	26	23	21	19	17
6	60	48	40	35	53	43	37	32	35	30	26	26	23	21	19	17	15
7	55	43	36	30	49	39	33	28	31	26	23	24	21	18	17	15	13
8	51	39	32	27	46	35	29	24	28	24	20	22	18	16	16	13	12
9	47	36	28	24	42	32	26	22	26	21	18	20	17	14	14	12	11
10	44	33	26	21	40	30	23	19	24	19	16	18	15	13	13	11	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3265	3265	3265	3265
5°	3268	3704	3270	2810
10°	3248	4221	3242	2412
15°	3224	4577	3204	2179
20°	3183	5016	3154	1990
25°	3147	5748	3089	1877
30°	3095	6063	3041	1776
35°	3013	4860	2950	1693
40°	2884	3359	2842	1608
45°	2723	2501	2692	1535
50°	2538	2059	2495	1478
55°	2337	1756	2319	1428
60°	2141	1503	2104	1389
65°	1930	1298	1898	1333
70°	1706	1078	1683	1234
75°	1470	834	1449	1072
80°	1160	564	1118	788
85°	743	282	715	401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°

Vertical Angle: 45°

Luminance: 4987 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.0
10°-20°	146.1	2.9
20°-30°	237.3	4.8
30°-40°	290.0	5.8
40°-50°	263.1	5.3
50°-60°	209.5	4.2
60°-70°	145.9	2.9
70°-80°	77.7	1.6
80°-90°	21.2	0.4
90°-100°	342.8	6.9
100°-110°	739.3	14.8
110°-120°	689.3	13.8
120°-130°	558.3	11.2
130°-140°	448.3	9.0
140°-150°	338.1	6.8
150°-160°	238.1	4.8
160°-170°	140.3	2.8
170°-180°	45.6	0.9
0°-30°	432.4	8.7
0°-40°	722.4	14.5
0°-60°	1195.0	24.0
0°-90°	1439.9	28.9
90°-120°	1771.4	35.6
90°-150°	3116.1	62.6
90°-180°	3540.0	71.1
0°-180°	4980.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	510	510	510	510	510	
5°	509	588	510	446	509	48
15°	489	734	486	350	489	138
25°	450	903	442	295	450	207
35°	392	725	384	253	392	245
45°	308	342	304	210	308	237
55°	217	211	215	171	217	194
65°	134	129	132	133	134	133
75°	65	64	64	82	65	69
85°	13	14	12	20	13	16
90°	1	22	1	22	1	3
95°	31	223	31	223	31	33
105°	107	1259	107	1259	107	113
115°	192	1403	192	1403	192	189
125°	266	1105	266	1105	266	236
135°	312	918	312	918	312	242
145°	363	724	363	724	363	228
155°	414	607	414	607	414	191
165°	452	532	452	532	452	127
175°	470	478	470	478	470	45
180°	471	471	471	471	471	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	510.5	513.5	516.9	519.5	523.9	525.2	527.3	528.6	529.9	531.2	532.1
5°	509.2	516.5	523.0	527.8	536.0	539.0	542.9	547.7	553.3	558.0	561.1
7.5°	505.7	517.4	526.0	535.5	546.8	554.2	558.0	568.0	577.1	584.0	593.1
10°	501.4	515.2	528.6	542.9	558.9	567.1	574.9	588.8	601.3	612.6	621.6
12.5°	496.6	513.5	529.5	548.1	569.7	579.7	584.9	608.7	624.2	630.3	648.0
15°	489.3	509.2	532.1	555.0	573.2	584.9	599.1	618.2	633.7	647.2	661.4
17.5°	482.3	504.0	527.3	552.9	579.2	594.4	605.2	622.1	638.9	656.2	669.7
20°	471.1	499.2	523.0	550.3	581.4	592.2	603.5	623.4	641.5	660.1	677.0
22.5°	462.0	488.8	521.3	547.2	573.6	584.4	598.3	619.0	640.7	661.9	686.5
25°	450.3	480.2	508.3	536.0	563.2	574.9	587.5	614.3	636.8	664.0	691.3
27.5°	437.8	468.5	496.6	521.7	547.2	563.2	576.6	604.8	634.6	664.5	699.9
30°	424.4	453.4	480.2	504.8	533.0	549.4	562.8	595.7	629.0	667.1	709.5
32.5°	410.1	437.4	460.3	485.4	515.2	530.4	548.5	584.4	623.8	669.2	722.4
35°	391.9	417.9	438.2	463.7	493.6	513.1	532.1	572.3	618.2	668.8	729.8
37.5°	373.8	394.1	413.6	440.8	475.4	493.2	513.1	557.2	609.5	667.5	732.8
40°	352.1	372.0	388.9	416.6	452.9	473.3	494.0	540.3	599.6	662.7	722.0
42.5°	330.5	347.4	366.0	395.0	430.0	451.6	473.7	525.2	586.6	648.9	692.1
45°	308.0	321.0	341.3	367.7	404.9	425.7	450.8	506.6	568.4	623.8	645.4
47.5°	284.6	297.6	316.7	342.2	379.0	403.6	427.4	483.2	545.5	588.3	588.3
50°	262.2	272.5	291.1	316.7	353.9	376.4	400.6	459.8	510.0	541.6	513.5
52.5°	237.9	249.6	265.2	292.0	328.8	349.1	375.5	426.1	473.7	486.7	443.4
55°	216.7	226.2	241.0	266.5	300.7	321.8	344.3	392.8	433.0	432.2	385.9
57.5°	194.7	202.5	218.0	241.4	273.0	292.0	314.5	356.5	389.3	377.7	334.0
60°	174.3	180.0	195.1	214.1	244.4	262.2	283.8	318.0	343.0	326.6	282.5
62.5°	153.1	159.6	171.7	190.3	217.2	231.4	247.4	282.1	298.1	283.3	238.4
65°	134.1	139.3	150.1	165.7	189.9	202.9	216.7	245.3	260.4	239.2	202.0
67.5°	115.1	121.1	128.9	142.8	161.8	173.9	186.0	210.7	217.6	198.6	167.4
70°	97.3	102.5	109.9	119.8	135.8	146.6	155.7	176.1	180.8	163.1	138.4
72.5°	80.0	83.5	89.5	97.8	112.5	118.5	128.0	141.9	147.9	131.9	114.2
75°	64.9	67.5	71.4	77.4	87.4	93.9	101.7	114.6	114.2	103.0	90.4
77.5°	50.2	50.6	54.9	60.6	66.6	72.2	76.1	85.2	86.1	79.2	68.8
80°	35.9	37.2	38.9	43.3	48.5	50.6	55.4	61.0	61.9	56.7	49.7
82.5°	22.9	23.8	25.1	27.7	31.1	33.7	36.3	38.5	40.7	37.6	32.0
85°	13.0	13.4	14.7	15.6	17.3	18.6	20.8	22.9	22.5	20.3	18.6
87.5°	6.5	6.5	6.5	7.4	8.2	8.2	9.1	9.5	9.9	9.1	8.2
90°	1.0	1.9	3.8	5.7	7.6	8.6	9.5	10.5	12.4	13.3	15.2
92.5°	14.3	17.1	26.6	40.9	60.8	77.9	95.0	159.6	268.0	385.8	379.2
95°	31.4	32.3	39.9	50.4	71.3	92.6	114.0	215.7	424.8	687.0	841.9
97.5°	48.5	49.4	55.1	65.6	84.6	100.2	115.9	186.3	346.8	630.0	909.4
100°	66.5	68.4	72.2	82.7	100.7	115.0	129.2	184.3	307.9	547.3	858.1
102.5°	86.5	87.4	90.3	101.7	117.8	131.6	145.4	192.9	291.7	484.6	767.8
105°	107.4	107.4	112.1	121.6	136.8	150.1	163.4	205.3	289.8	448.5	688.9
107.5°	127.3	129.2	134.0	141.6	157.7	169.6	181.5	222.4	296.5	429.5	630.0
110°	149.2	151.1	154.9	163.4	177.7	190.0	202.4	241.4	306.9	421.9	591.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	171.0	172.9	175.8	184.3	198.6	210.5	222.4	259.4	320.2	421.9	568.3
115°	192.0	193.9	196.7	205.3	219.5	231.4	243.3	278.4	333.5	424.8	553.0
117.5°	211.0	213.8	216.7	225.2	241.4	252.8	264.2	297.4	348.7	429.5	544.5
120°	230.0	232.8	236.6	245.2	261.3	273.2	285.1	318.3	363.9	437.1	538.8
122.5°	249.9	251.8	254.7	263.2	281.3	293.2	305.0	338.3	381.1	443.8	534.0
125°	266.1	268.0	272.7	281.3	299.3	311.6	324.0	355.4	396.3	451.4	530.2
127.5°	279.4	282.2	287.9	298.4	317.4	329.8	342.1	372.5	410.5	459.9	528.3
130°	291.7	294.6	302.2	314.5	334.5	346.8	359.2	388.7	424.8	467.5	526.4
132.5°	301.2	305.0	314.5	328.8	349.7	362.0	374.4	403.9	437.1	476.1	526.4
135°	311.7	315.5	326.9	342.1	362.0	374.8	387.7	417.2	448.5	483.7	526.4
137.5°	325.0	327.8	338.3	353.5	373.5	386.8	400.1	426.7	457.1	491.3	527.4
140°	336.4	339.2	350.6	365.8	383.9	396.8	409.6	437.1	465.6	496.0	528.3
142.5°	349.7	351.6	362.0	377.3	394.4	406.2	418.1	443.8	470.4	498.9	529.3
145°	363.0	364.9	374.4	387.7	404.8	415.8	426.7	451.4	475.1	500.8	528.3
147.5°	377.3	378.2	386.8	399.1	414.3	424.3	434.3	456.1	478.0	501.7	526.4
150°	389.6	391.5	398.2	410.5	423.8	431.9	440.0	460.9	480.8	501.7	523.6
152.5°	402.9	403.9	409.6	420.0	432.4	439.5	446.6	465.6	482.7	500.8	519.8
155°	414.3	414.3	420.0	429.5	439.0	445.6	452.3	468.5	483.7	498.9	515.0
157.5°	424.8	424.8	429.5	438.1	446.6	451.8	457.1	471.3	484.6	497.0	510.3
160°	435.2	434.3	438.1	444.7	452.3	456.6	460.9	473.2	484.6	494.1	505.5
162.5°	443.8	442.8	446.6	452.3	458.0	461.4	464.7	475.1	483.7	491.3	499.8
165°	452.3	450.4	453.3	458.0	461.8	464.6	467.5	475.1	482.7	488.4	494.1
167.5°	458.0	457.1	459.0	461.8	464.7	466.6	468.5	475.1	480.8	483.7	488.4
170°	463.7	462.8	463.7	465.6	467.5	469.0	470.4	475.1	478.9	480.8	483.7
172.5°	467.5	465.6	466.6	468.5	469.4	469.9	470.4	474.2	477.0	477.0	478.0
175°	470.4	468.5	469.4	470.4	470.4	470.4	470.4	473.2	475.1	474.2	474.2
177.5°	472.3	470.4	470.4	471.3	470.4	470.4	470.4	472.3	473.2	471.3	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	533.0	536.0	538.6	540.7	542.5	545.1	543.3	543.8	544.6	546.4	546.4
5°	567.6	572.3	574.9	583.6	585.7	585.3	584.0	590.9	590.5	587.9	587.5
7.5°	601.3	609.5	616.9	623.8	626.0	631.6	632.9	635.9	635.0	639.4	637.2
10°	632.0	645.0	651.9	662.3	664.9	667.5	671.0	672.7	676.6	676.1	676.1
12.5°	655.8	671.4	680.5	683.1	693.0	696.0	699.1	704.7	703.4	703.8	706.4
15°	674.4	689.6	697.3	709.5	716.4	719.8	725.0	731.1	730.2	734.1	733.2
17.5°	688.3	702.5	716.8	735.0	735.4	744.5	756.6	759.2	764.8	760.9	760.9
20°	699.5	718.5	738.9	762.2	764.8	770.4	785.2	795.1	801.6	799.4	800.7
22.5°	711.6	738.9	762.7	786.0	798.6	808.5	822.8	838.4	844.0	847.4	846.6
25°	727.2	755.7	790.8	823.2	836.2	855.2	874.3	889.4	893.7	903.3	894.6
27.5°	743.2	783.4	827.1	865.2	881.6	897.2	920.1	931.4	937.0	941.3	938.3
30°	756.6	812.0	859.6	894.6	906.3	915.4	928.3	930.9	928.8	932.2	936.6
32.5°	777.4	831.4	871.7	888.5	887.2	886.8	876.9	863.0	860.0	851.8	863.0
35°	788.6	831.9	847.4	825.0	815.9	799.4	767.9	747.1	728.9	725.0	725.9
37.5°	782.1	799.0	780.4	721.1	706.4	681.3	639.4	610.0	596.5	586.2	599.6
40°	747.1	728.5	677.4	605.2	584.0	560.2	520.8	504.8	485.8	481.9	499.6
42.5°	689.1	632.5	560.2	504.4	482.3	468.9	436.1	420.9	407.5	401.4	411.4
45°	610.4	541.6	468.9	423.1	404.5	388.5	369.0	353.0	344.3	341.7	350.0
47.5°	529.1	456.4	398.4	364.2	344.8	332.7	314.5	305.4	298.5	299.4	300.7
50°	451.2	385.0	340.5	306.3	296.8	287.2	275.1	267.3	263.9	265.2	264.3
52.5°	384.1	330.5	292.9	266.5	262.2	253.1	243.1	236.6	235.3	235.8	237.1
55°	325.3	283.3	253.5	234.5	229.7	223.2	217.2	212.8	209.4	210.7	210.2
57.5°	280.8	244.0	221.1	205.5	202.0	198.1	192.5	190.3	189.0	186.4	188.6
60°	241.4	211.5	191.6	182.1	179.1	176.5	170.4	167.8	167.0	165.7	169.1
62.5°	204.2	183.0	167.8	159.2	156.2	153.6	150.5	148.4	148.8	147.1	148.8
65°	174.8	157.5	146.6	138.9	135.0	133.2	132.8	129.3	128.9	129.3	129.8
67.5°	147.5	132.8	124.6	119.8	116.8	115.1	113.8	111.6	113.3	112.0	112.9
70°	122.9	112.9	104.3	99.5	98.2	98.6	96.5	95.6	96.0	95.2	96.0
72.5°	99.1	90.8	87.4	83.9	82.2	81.8	80.5	79.2	80.5	80.0	80.0
75°	79.2	73.1	69.2	67.1	67.1	66.2	64.0	64.0	64.0	63.6	64.0
77.5°	61.0	55.8	54.1	51.9	51.9	50.6	50.2	50.2	49.3	50.6	49.7
80°	45.4	41.5	38.9	37.6	37.6	37.2	36.3	35.9	36.3	35.9	35.9
82.5°	29.4	27.7	26.4	25.1	24.7	25.1	24.7	23.8	24.2	23.8	24.7
85°	16.9	15.1	15.1	14.3	14.7	13.8	14.3	13.4	13.0	14.3	13.4
87.5°	7.4	6.9	6.9	6.1	6.1	6.1	5.6	6.1	5.6	5.2	5.6
90°	16.2	17.1	18.1	19.0	20.0	20.9	20.9	20.9	21.9	21.9	21.9
92.5°	306.0	206.2	148.2	110.2	101.2	92.2	77.0	74.1	72.2	70.3	72.2
95°	823.9	683.2	538.8	421.9	382.0	342.1	274.6	246.1	238.5	223.3	238.5
97.5°	1029.1	979.7	864.7	746.9	689.9	632.9	575.9	526.4	500.8	489.4	500.8
100°	1095.6	1168.8	1122.3	1024.4	975.0	925.5	860.0	791.6	756.4	741.2	756.4
102.5°	1055.7	1232.5	1280.0	1245.8	1216.4	1186.9	1115.6	1071.9	1032.9	1022.5	1032.9
105°	961.7	1189.7	1319.9	1361.7	1356.5	1351.3	1320.9	1289.5	1270.5	1259.1	1270.5
107.5°	872.3	1102.3	1274.3	1375.0	1395.9	1416.8	1425.4	1420.6	1411.1	1401.6	1411.1
110°	798.2	1003.5	1184.0	1318.0	1358.4	1398.8	1441.5	1459.6	1466.2	1466.2	1466.2

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	743.1	925.5	1094.7	1230.6	1280.0	1329.4	1396.9	1431.1	1450.1	1458.6	1450.1
115°	706.0	862.8	1010.1	1140.3	1192.1	1243.9	1318.0	1363.6	1390.2	1402.6	1390.2
117.5°	681.3	819.1	949.3	1063.3	1112.2	1161.2	1236.3	1283.8	1310.4	1318.0	1310.4
120°	661.4	784.9	898.9	1003.5	1045.3	1087.1	1157.4	1203.0	1228.7	1236.3	1228.7
122.5°	644.3	759.3	862.8	953.1	991.6	1030.1	1090.9	1131.8	1157.4	1164.1	1157.4
125°	629.1	734.5	831.5	914.1	948.4	982.6	1035.8	1074.7	1095.6	1105.1	1095.6
127.5°	614.8	708.9	801.1	879.0	911.3	943.6	992.1	1027.2	1047.2	1051.0	1047.2
130°	600.6	685.1	768.8	842.9	873.8	904.6	952.2	983.5	1002.5	1008.2	1002.5
132.5°	589.2	661.4	738.3	803.9	833.4	862.8	910.3	941.7	958.8	965.5	958.8
135°	580.6	641.4	707.0	767.8	794.9	822.0	863.8	895.1	912.2	917.9	912.2
137.5°	572.1	623.4	678.5	730.7	754.5	778.3	816.3	845.7	861.9	868.5	861.9
140°	566.4	609.1	653.8	697.5	717.4	737.4	772.6	797.3	811.5	816.3	811.5
142.5°	561.6	596.8	632.9	669.0	685.6	702.2	730.7	750.7	764.0	767.8	764.0
145°	556.8	586.3	615.8	645.2	658.0	670.9	693.7	709.8	720.3	724.1	720.3
147.5°	552.1	575.9	600.6	624.3	634.3	644.3	663.3	676.6	683.2	685.1	683.2
150°	546.4	567.3	588.2	606.3	614.8	623.4	637.6	649.0	652.8	653.8	652.8
152.5°	539.7	557.8	575.9	592.0	598.2	604.4	615.8	624.3	628.1	629.1	628.1
155°	532.1	548.3	563.5	576.8	582.0	587.3	596.8	603.4	606.3	607.2	606.3
157.5°	525.5	538.8	552.1	562.6	566.8	571.1	578.7	584.4	587.3	587.3	587.3
160°	516.9	529.3	538.8	548.3	551.6	554.9	561.6	566.4	568.3	567.3	568.3
162.5°	509.3	518.8	527.4	535.0	537.8	540.7	545.4	549.2	549.2	549.2	549.2
165°	501.7	509.3	516.0	521.7	524.0	526.4	530.2	532.1	532.1	532.1	532.1
167.5°	494.1	499.8	504.6	509.3	511.2	513.1	515.0	516.9	516.0	516.0	516.0
170°	487.5	492.2	495.1	497.9	498.8	499.8	501.7	502.7	502.7	501.7	502.7
172.5°	480.8	483.7	486.5	488.4	488.9	489.4	489.4	491.3	489.4	488.4	489.4
175°	475.1	478.0	478.0	479.9	479.9	479.9	479.9	480.8	478.9	478.0	478.9
177.5°	472.3	473.2	474.2	474.2	474.2	474.2	473.2	474.2	471.3	471.3	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	545.5	542.5	543.3	542.5	540.3	539.0	535.5	531.2	529.5	527.3	526.0
5°	589.2	587.0	586.6	583.1	582.3	577.1	568.4	564.1	558.9	553.7	548.5
7.5°	636.8	634.2	625.5	624.2	625.1	618.6	607.4	598.7	587.9	580.5	570.6
10°	676.1	671.0	663.6	664.0	661.0	652.3	641.1	632.0	616.4	606.9	592.7
12.5°	699.9	695.6	694.7	690.4	687.8	676.6	663.2	651.5	639.8	626.8	616.0
15°	728.9	723.3	719.4	713.3	711.6	699.9	685.2	671.8	658.4	646.3	623.4
17.5°	760.9	754.9	740.2	738.9	728.5	717.2	703.0	683.1	668.8	651.5	634.6
20°	797.3	788.6	769.6	764.8	756.6	738.0	718.5	696.5	673.5	655.8	635.9
22.5°	837.9	822.8	808.9	793.8	787.8	764.8	738.0	711.2	683.5	659.3	635.5
25°	890.7	870.8	851.3	836.2	825.8	796.0	760.1	724.6	692.6	661.0	629.9
27.5°	932.2	914.9	893.7	873.8	860.4	825.0	783.9	738.0	698.2	659.7	626.4
30°	935.3	930.1	917.1	906.3	891.6	853.5	808.1	756.2	706.9	660.1	619.5
32.5°	878.6	889.0	894.6	896.3	893.3	871.2	829.7	772.6	714.6	656.2	613.4
35°	756.6	784.3	818.5	831.4	844.0	855.7	834.0	784.3	717.2	655.4	603.9
37.5°	622.9	648.0	704.7	730.6	745.4	791.6	809.4	782.6	722.4	656.2	594.8
40°	502.7	542.5	583.1	618.2	641.1	693.0	748.0	754.0	715.1	648.0	583.1
42.5°	423.1	446.4	477.1	509.6	529.9	591.4	665.8	709.5	692.1	634.6	568.9
45°	360.3	377.7	406.6	417.5	443.4	502.2	581.0	644.1	652.8	613.4	552.4
47.5°	309.3	324.0	342.6	356.0	376.8	420.9	487.5	557.2	598.7	584.4	529.5
50°	272.5	284.6	300.2	308.0	321.4	361.2	411.4	480.6	536.4	541.2	499.6
52.5°	241.8	248.7	260.9	269.5	280.3	304.5	350.0	407.1	469.8	495.8	462.9
55°	215.0	220.6	231.4	237.1	242.7	263.4	298.9	350.8	409.7	443.8	425.2
57.5°	190.8	195.5	204.6	209.8	212.8	232.7	260.0	300.7	353.4	395.0	384.6
60°	170.9	175.2	180.4	184.3	187.7	204.2	223.2	256.1	303.2	343.5	340.9
62.5°	149.7	153.6	159.2	163.1	166.1	176.5	192.5	217.6	257.8	295.0	302.4
65°	131.1	134.1	138.0	139.7	143.6	151.4	164.4	186.9	219.8	253.1	258.3
67.5°	114.2	115.1	117.7	121.6	122.4	129.3	141.0	157.9	183.4	210.7	218.9
70°	96.0	97.3	99.5	102.5	104.3	108.6	118.5	129.8	151.8	175.6	181.7
72.5°	80.0	81.8	82.6	84.4	85.2	92.1	96.5	107.7	122.9	142.8	149.2
75°	64.9	66.6	67.1	67.9	68.8	71.8	77.9	84.8	97.3	110.3	119.0
77.5°	51.5	51.0	51.9	53.2	52.8	55.4	59.3	65.3	73.5	84.4	90.0
80°	36.3	36.3	37.6	38.9	38.5	41.1	42.4	46.7	53.6	60.6	62.7
82.5°	24.2	24.2	25.5	25.5	26.4	26.8	28.6	30.7	36.3	39.8	41.1
85°	13.8	13.8	14.3	14.3	14.3	15.1	16.4	17.3	19.0	21.2	22.1
87.5°	5.6	6.1	6.1	6.1	6.1	6.9	6.9	7.8	8.2	9.1	9.1
90°	20.9	20.9	20.9	20.0	19.0	18.1	17.1	16.2	15.2	13.3	12.4
92.5°	74.1	77.0	92.2	101.2	110.2	148.2	206.2	306.0	379.2	385.8	268.0
95°	246.1	274.6	342.1	382.0	421.9	538.8	683.2	823.9	841.9	687.0	424.8
97.5°	526.4	575.9	632.9	689.9	746.9	864.7	979.7	1029.1	909.4	630.0	346.8
100°	791.6	860.0	925.5	975.0	1024.4	1122.3	1168.8	1095.6	858.1	547.3	307.9
102.5°	1071.9	1115.6	1186.9	1216.4	1245.8	1280.0	1232.5	1055.7	767.8	484.6	291.7
105°	1289.5	1320.9	1351.3	1356.5	1361.7	1319.9	1189.7	961.7	688.9	448.5	289.8
107.5°	1420.6	1425.4	1416.8	1395.9	1375.0	1274.3	1102.3	872.3	630.0	429.5	296.5
110°	1459.6	1441.5	1398.8	1358.4	1318.0	1184.0	1003.5	798.2	591.1	421.9	306.9

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	1431.1	1396.9	1329.4	1280.0	1230.6	1094.7	925.5	743.1	568.3	421.9	320.2
115°	1363.6	1318.0	1243.9	1192.1	1140.3	1010.1	862.8	706.0	553.0	424.8	333.5
117.5°	1283.8	1236.3	1161.2	1112.2	1063.3	949.3	819.1	681.3	544.5	429.5	348.7
120°	1203.0	1157.4	1087.1	1045.3	1003.5	898.9	784.9	661.4	538.8	437.1	363.9
122.5°	1131.8	1090.9	1030.1	991.6	953.1	862.8	759.3	644.3	534.0	443.8	381.1
125°	1074.7	1035.8	982.6	948.4	914.1	831.5	734.5	629.1	530.2	451.4	396.3
127.5°	1027.2	992.1	943.6	911.3	879.0	801.1	708.9	614.8	528.3	459.9	410.5
130°	983.5	952.2	904.6	873.8	842.9	768.8	685.1	600.6	526.4	467.5	424.8
132.5°	941.7	910.3	862.8	833.4	803.9	738.3	661.4	589.2	526.4	476.1	437.1
135°	895.1	863.8	822.0	794.9	767.8	707.0	641.4	580.6	526.4	483.7	448.5
137.5°	845.7	816.3	778.3	754.5	730.7	678.5	623.4	572.1	527.4	491.3	457.1
140°	797.3	772.6	737.4	717.4	697.5	653.8	609.1	566.4	528.3	496.0	465.6
142.5°	750.7	730.7	702.2	685.6	669.0	632.9	596.8	561.6	529.3	498.9	470.4
145°	709.8	693.7	670.9	658.0	645.2	615.8	586.3	556.8	528.3	500.8	475.1
147.5°	676.6	663.3	644.3	634.3	624.3	600.6	575.9	552.1	526.4	501.7	478.0
150°	649.0	637.6	623.4	614.8	606.3	588.2	567.3	546.4	523.6	501.7	480.8
152.5°	624.3	615.8	604.4	598.2	592.0	575.9	557.8	539.7	519.8	500.8	482.7
155°	603.4	596.8	587.3	582.0	576.8	563.5	548.3	532.1	515.0	498.9	483.7
157.5°	584.4	578.7	571.1	566.8	562.6	552.1	538.8	525.5	510.3	497.0	484.6
160°	566.4	561.6	554.9	551.6	548.3	538.8	529.3	516.9	505.5	494.1	484.6
162.5°	549.2	545.4	540.7	537.8	535.0	527.4	518.8	509.3	499.8	491.3	483.7
165°	532.1	530.2	526.4	524.0	521.7	516.0	509.3	501.7	494.1	488.4	482.7
167.5°	516.9	515.0	513.1	511.2	509.3	504.6	499.8	494.1	488.4	483.7	480.8
170°	502.7	501.7	499.8	498.8	497.9	495.1	492.2	487.5	483.7	480.8	478.9
172.5°	491.3	489.4	489.4	488.9	488.4	486.5	483.7	480.8	478.0	477.0	477.0
175°	480.8	479.9	479.9	479.9	479.9	478.0	478.0	475.1	474.2	474.2	475.1
177.5°	474.2	473.2	474.2	474.2	474.2	474.2	473.2	472.3	471.3	471.3	473.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	524.3	522.1	519.5	519.5	516.5	515.2	512.6	511.8	509.6	506.1	503.5
5°	542.9	537.3	533.8	530.8	524.3	519.5	514.8	509.6	504.4	498.3	491.4
7.5°	561.1	550.7	545.9	540.7	531.2	521.3	511.8	504.8	497.9	488.4	479.7
10°	580.1	567.1	558.5	551.6	536.8	524.3	510.5	500.5	489.7	477.6	466.3
12.5°	596.1	579.2	571.9	558.9	542.0	526.9	509.6	494.5	480.2	465.9	452.1
15°	609.5	593.5	575.3	570.2	546.8	525.2	505.7	486.2	468.5	454.2	438.2
17.5°	613.8	593.5	584.4	571.9	544.2	521.7	497.0	475.9	459.0	437.8	425.2
20°	615.1	595.7	583.1	571.5	546.8	516.9	492.7	466.8	446.4	425.2	405.3
22.5°	611.7	588.8	576.6	565.4	537.7	512.2	484.1	455.5	431.7	412.3	392.4
25°	605.2	578.4	566.7	554.6	528.2	500.1	469.4	442.1	420.0	396.7	377.2
27.5°	596.5	565.8	552.4	539.9	513.9	487.5	458.5	430.4	405.8	381.1	362.9
30°	585.7	550.3	538.1	521.7	496.6	471.5	445.1	417.0	389.3	366.0	346.1
32.5°	571.9	534.7	518.7	503.1	475.9	452.9	427.8	401.4	374.6	351.7	330.9
35°	559.3	516.9	499.2	483.6	453.4	429.1	408.4	383.7	359.9	336.1	317.5
37.5°	542.5	499.2	478.0	462.0	431.3	406.6	387.2	368.1	343.0	320.1	302.8
40°	524.7	477.1	457.3	441.2	409.2	382.4	363.8	346.9	326.6	305.4	287.2
42.5°	508.7	456.0	434.8	415.3	382.8	359.1	340.0	327.0	308.4	289.4	273.0
45°	488.4	433.5	410.5	390.2	359.1	333.1	314.9	304.5	290.7	272.1	257.8
47.5°	467.6	409.2	385.4	365.5	331.8	308.9	291.1	281.2	271.7	257.0	242.7
50°	440.4	383.7	362.1	339.2	305.8	282.5	267.8	257.8	250.5	240.1	228.0
52.5°	410.5	357.3	334.0	314.1	281.2	260.0	243.1	237.5	230.1	222.4	212.0
55°	379.0	328.8	306.3	286.8	256.5	234.9	221.1	215.0	209.4	203.3	196.4
57.5°	347.4	298.9	277.7	260.4	232.3	211.5	200.3	192.1	188.2	184.7	179.1
60°	308.0	266.9	250.5	234.9	207.2	188.2	177.4	171.3	167.8	166.1	163.5
62.5°	273.4	239.7	221.5	206.3	184.3	167.4	157.0	152.3	149.2	148.4	145.4
65°	236.6	207.6	193.4	180.4	161.4	146.2	137.6	131.9	129.8	129.3	129.3
67.5°	202.0	178.7	164.4	155.3	138.9	125.5	117.2	115.1	113.8	112.0	111.6
70°	169.6	151.0	138.4	130.6	115.9	106.0	99.5	96.0	96.0	94.7	93.9
72.5°	141.0	122.4	114.2	107.7	95.6	87.0	82.2	81.3	78.3	77.9	77.9
75°	110.3	96.5	90.8	85.2	76.1	70.1	66.2	64.0	62.3	62.3	62.7
77.5°	83.1	73.5	68.3	64.0	57.5	53.6	50.6	49.7	48.0	48.0	48.0
80°	58.8	53.6	49.7	46.3	41.5	38.1	36.3	34.6	34.6	34.2	34.6
82.5°	38.1	33.7	31.6	31.1	26.8	25.5	23.4	23.8	22.5	22.1	22.9
85°	22.1	19.9	17.3	16.4	14.7	13.0	12.1	12.5	12.1	11.7	12.1
87.5°	8.7	7.4	6.9	6.9	5.6	5.2	4.8	5.2	4.3	4.3	4.8
90°	10.5	9.5	8.6	7.6	5.7	3.8	1.9	1.0	1.9	3.8	5.7
92.5°	159.6	95.0	77.9	60.8	40.9	26.6	17.1	14.3	17.1	26.6	40.9
95°	215.7	114.0	92.6	71.3	50.4	39.9	32.3	31.4	32.3	39.9	50.4
97.5°	186.3	115.9	100.2	84.6	65.6	55.1	49.4	48.5	49.4	55.1	65.6
100°	184.3	129.2	115.0	100.7	82.7	72.2	68.4	66.5	68.4	72.2	82.7
102.5°	192.9	145.4	131.6	117.8	101.7	90.3	87.4	86.5	87.4	90.3	101.7
105°	205.3	163.4	150.1	136.8	121.6	112.1	107.4	107.4	107.4	112.1	121.6
107.5°	222.4	181.5	169.6	157.7	141.6	134.0	129.2	127.3	129.2	134.0	141.6
110°	241.4	202.4	190.0	177.7	163.4	154.9	151.1	149.2	151.1	154.9	163.4

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	259.4	222.4	210.5	198.6	184.3	175.8	172.9	171.0	172.9	175.8	184.3
115°	278.4	243.3	231.4	219.5	205.3	196.7	193.9	192.0	193.9	196.7	205.3
117.5°	297.4	264.2	252.8	241.4	225.2	216.7	213.8	211.0	213.8	216.7	225.2
120°	318.3	285.1	273.2	261.3	245.2	236.6	232.8	230.0	232.8	236.6	245.2
122.5°	338.3	305.0	293.2	281.3	263.2	254.7	251.8	249.9	251.8	254.7	263.2
125°	355.4	324.0	311.6	299.3	281.3	272.7	268.0	266.1	268.0	272.7	281.3
127.5°	372.5	342.1	329.8	317.4	298.4	287.9	282.2	279.4	282.2	287.9	298.4
130°	388.7	359.2	346.8	334.5	314.5	302.2	294.6	291.7	294.6	302.2	314.5
132.5°	403.9	374.4	362.0	349.7	328.8	314.5	305.0	301.2	305.0	314.5	328.8
135°	417.2	387.7	374.8	362.0	342.1	326.9	315.5	311.7	315.5	326.9	342.1
137.5°	426.7	400.1	386.8	373.5	353.5	338.3	327.8	325.0	327.8	338.3	353.5
140°	437.1	409.6	396.8	383.9	365.8	350.6	339.2	336.4	339.2	350.6	365.8
142.5°	443.8	418.1	406.2	394.4	377.3	362.0	351.6	349.7	351.6	362.0	377.3
145°	451.4	426.7	415.8	404.8	387.7	374.4	364.9	363.0	364.9	374.4	387.7
147.5°	456.1	434.3	424.3	414.3	399.1	386.8	378.2	377.3	378.2	386.8	399.1
150°	460.9	440.0	431.9	423.8	410.5	398.2	391.5	389.6	391.5	398.2	410.5
152.5°	465.6	446.6	439.5	432.4	420.0	409.6	403.9	402.9	403.9	409.6	420.0
155°	468.5	452.3	445.6	439.0	429.5	420.0	414.3	414.3	414.3	420.0	429.5
157.5°	471.3	457.1	451.8	446.6	438.1	429.5	424.8	424.8	424.8	429.5	438.1
160°	473.2	460.9	456.6	452.3	444.7	438.1	434.3	435.2	434.3	438.1	444.7
162.5°	475.1	464.7	461.4	458.0	452.3	446.6	442.8	443.8	442.8	446.6	452.3
165°	475.1	467.5	464.6	461.8	458.0	453.3	450.4	452.3	450.4	453.3	458.0
167.5°	475.1	468.5	466.6	464.7	461.8	459.0	457.1	458.0	457.1	459.0	461.8
170°	475.1	470.4	469.0	467.5	465.6	463.7	462.8	463.7	462.8	463.7	465.6
172.5°	474.2	470.4	469.9	469.4	468.5	466.6	465.6	467.5	465.6	466.6	468.5
175°	473.2	470.4	470.4	470.4	470.4	469.4	468.5	470.4	468.5	469.4	470.4
177.5°	472.3	470.4	470.4	470.4	471.3	470.4	470.4	472.3	470.4	470.4	471.3
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	502.7	501.8	499.6	498.3	494.0	488.8	487.1	482.8	484.5	481.5	481.5
5°	489.3	485.4	482.8	478.9	470.7	465.0	459.0	456.0	454.2	452.1	450.3
7.5°	472.0	468.9	466.3	459.0	449.9	442.1	434.8	431.7	426.1	422.2	420.5
10°	456.8	452.5	446.4	437.8	428.3	418.3	411.8	405.3	401.0	398.9	394.1
12.5°	441.2	436.1	429.6	417.0	406.6	400.6	388.9	382.8	380.7	379.0	373.3
15°	425.2	419.6	411.8	400.1	391.1	376.8	369.9	365.1	359.9	359.5	355.2
17.5°	411.0	404.0	397.6	383.3	372.0	359.5	355.6	350.4	345.6	340.5	338.3
20°	392.8	386.3	381.5	366.0	353.4	345.6	339.2	334.8	331.8	326.6	325.7
22.5°	376.4	369.4	362.9	351.3	340.5	330.5	322.7	318.0	316.7	314.5	310.6
25°	360.3	353.4	345.6	334.8	323.6	316.7	309.7	306.7	304.1	300.7	297.6
27.5°	346.9	340.5	333.1	319.7	310.2	305.0	297.6	294.2	290.7	289.0	287.7
30°	330.9	323.6	318.0	307.6	297.2	290.3	285.1	282.1	279.0	277.3	276.4
32.5°	315.4	308.4	304.5	293.3	285.1	276.9	273.0	270.8	269.1	267.3	265.6
35°	302.8	295.9	289.8	279.5	271.2	265.6	262.6	259.1	257.8	256.1	256.1
37.5°	287.2	282.1	276.0	266.0	258.7	254.4	251.8	247.4	247.0	246.1	244.8
40°	273.8	268.6	263.0	254.4	247.9	242.7	239.2	237.1	235.8	234.9	234.0
42.5°	259.6	253.9	251.3	241.4	235.8	230.6	228.8	226.7	226.2	224.5	222.4
45°	245.7	241.0	235.8	228.4	223.7	219.3	216.7	215.0	212.8	212.4	211.1
47.5°	233.6	228.0	223.2	216.3	211.1	207.6	205.5	203.3	201.6	200.3	199.0
50°	218.0	213.7	209.8	202.5	198.1	194.7	191.6	189.9	188.2	188.2	188.2
52.5°	202.9	199.0	195.5	190.3	185.1	182.1	178.7	177.4	176.5	175.2	176.5
55°	188.2	184.3	180.8	176.9	170.9	168.3	164.8	163.5	164.0	164.0	165.3
57.5°	172.6	169.6	167.4	162.7	157.0	154.4	152.3	151.0	151.0	152.7	153.1
60°	157.5	154.4	150.5	146.2	142.8	139.7	138.4	138.9	138.9	139.7	141.9
62.5°	140.6	138.9	136.7	130.6	128.5	126.3	124.6	125.9	125.5	127.6	130.6
65°	125.0	123.3	120.3	117.2	114.6	112.5	112.0	112.5	113.3	115.5	119.0
67.5°	107.7	107.7	105.1	102.5	100.4	98.2	98.6	99.1	99.9	102.5	107.7
70°	93.4	91.7	89.1	87.4	85.7	84.8	83.9	85.7	88.2	90.0	93.9
72.5°	77.9	76.6	74.4	72.7	72.2	71.4	70.9	71.8	74.4	77.4	81.8
75°	61.4	61.9	60.6	59.3	59.3	58.0	58.8	58.8	61.4	64.5	67.9
77.5°	47.6	47.2	46.7	45.9	45.4	45.4	45.4	46.3	48.9	50.6	54.1
80°	33.7	34.2	32.9	33.3	32.9	33.3	33.3	35.0	36.3	38.5	41.1
82.5°	22.5	22.5	21.6	22.1	22.1	22.1	22.5	23.4	25.1	26.8	28.6
85°	12.5	13.0	12.1	13.0	13.0	13.0	13.4	13.8	15.1	15.6	17.3
87.5°	4.8	5.6	5.6	4.8	5.2	5.6	6.1	5.6	6.5	7.4	7.8
90°	7.6	8.6	9.5	10.5	12.4	13.3	15.2	16.2	17.1	18.1	19.0
92.5°	60.8	77.9	95.0	159.6	268.0	385.8	379.2	306.0	206.2	148.2	110.2
95°	71.3	92.6	114.0	215.7	424.8	687.0	841.9	823.9	683.2	538.8	421.9
97.5°	84.6	100.2	115.9	186.3	346.8	630.0	909.4	1029.1	979.7	864.7	746.9
100°	100.7	115.0	129.2	184.3	307.9	547.3	858.1	1095.6	1168.8	1122.3	1024.4
102.5°	117.8	131.6	145.4	192.9	291.7	484.6	767.8	1055.7	1232.5	1280.0	1245.8
105°	136.8	150.1	163.4	205.3	289.8	448.5	688.9	961.7	1189.7	1319.9	1361.7
107.5°	157.7	169.6	181.5	222.4	296.5	429.5	630.0	872.3	1102.3	1274.3	1375.0
110°	177.7	190.0	202.4	241.4	306.9	421.9	591.1	798.2	1003.5	1184.0	1318.0



TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	198.6	210.5	222.4	259.4	320.2	421.9	568.3	743.1	925.5	1094.7	1230.6
115°	219.5	231.4	243.3	278.4	333.5	424.8	553.0	706.0	862.8	1010.1	1140.3
117.5°	241.4	252.8	264.2	297.4	348.7	429.5	544.5	681.3	819.1	949.3	1063.3
120°	261.3	273.2	285.1	318.3	363.9	437.1	538.8	661.4	784.9	898.9	1003.5
122.5°	281.3	293.2	305.0	338.3	381.1	443.8	534.0	644.3	759.3	862.8	953.1
125°	299.3	311.6	324.0	355.4	396.3	451.4	530.2	629.1	734.5	831.5	914.1
127.5°	317.4	329.8	342.1	372.5	410.5	459.9	528.3	614.8	708.9	801.1	879.0
130°	334.5	346.8	359.2	388.7	424.8	467.5	526.4	600.6	685.1	768.8	842.9
132.5°	349.7	362.0	374.4	403.9	437.1	476.1	526.4	589.2	661.4	738.3	803.9
135°	362.0	374.8	387.7	417.2	448.5	483.7	526.4	580.6	641.4	707.0	767.8
137.5°	373.5	386.8	400.1	426.7	457.1	491.3	527.4	572.1	623.4	678.5	730.7
140°	383.9	396.8	409.6	437.1	465.6	496.0	528.3	566.4	609.1	653.8	697.5
142.5°	394.4	406.2	418.1	443.8	470.4	498.9	529.3	561.6	596.8	632.9	669.0
145°	404.8	415.8	426.7	451.4	475.1	500.8	528.3	556.8	586.3	615.8	645.2
147.5°	414.3	424.3	434.3	456.1	478.0	501.7	526.4	552.1	575.9	600.6	624.3
150°	423.8	431.9	440.0	460.9	480.8	501.7	523.6	546.4	567.3	588.2	606.3
152.5°	432.4	439.5	446.6	465.6	482.7	500.8	519.8	539.7	557.8	575.9	592.0
155°	439.0	445.6	452.3	468.5	483.7	498.9	515.0	532.1	548.3	563.5	576.8
157.5°	446.6	451.8	457.1	471.3	484.6	497.0	510.3	525.5	538.8	552.1	562.6
160°	452.3	456.6	460.9	473.2	484.6	494.1	505.5	516.9	529.3	538.8	548.3
162.5°	458.0	461.4	464.7	475.1	483.7	491.3	499.8	509.3	518.8	527.4	535.0
165°	461.8	464.6	467.5	475.1	482.7	488.4	494.1	501.7	509.3	516.0	521.7
167.5°	464.7	466.6	468.5	475.1	480.8	483.7	488.4	494.1	499.8	504.6	509.3
170°	467.5	469.0	470.4	475.1	478.9	480.8	483.7	487.5	492.2	495.1	497.9
172.5°	469.4	469.9	470.4	474.2	477.0	477.0	478.0	480.8	483.7	486.5	488.4
175°	470.4	470.4	470.4	473.2	475.1	474.2	474.2	475.1	478.0	478.0	479.9
177.5°	470.4	470.4	470.4	472.3	473.2	471.3	471.3	472.3	473.2	474.2	474.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	483.2	480.2	479.7	480.6	478.9	481.5	480.6	481.5	479.3	481.5	480.2
5°	449.9	449.0	447.3	445.1	445.6	446.0	448.2	446.0	447.7	448.2	450.3
7.5°	418.7	417.0	418.3	417.5	413.6	412.7	413.6	414.9	417.5	419.2	420.5
10°	393.7	392.8	391.1	389.8	387.6	386.3	388.0	386.3	389.8	392.8	392.8
12.5°	374.6	371.2	369.0	368.6	363.8	364.7	366.4	367.7	371.6	373.3	373.3
15°	354.7	352.1	351.3	349.5	347.8	349.5	348.7	350.0	351.7	353.4	354.3
17.5°	337.4	337.0	337.4	333.1	334.4	332.2	332.7	334.8	333.5	334.8	337.4
20°	321.8	322.7	321.4	319.7	319.7	317.1	320.1	319.3	319.7	322.3	326.2
22.5°	310.2	309.7	308.4	307.1	305.4	305.8	306.3	305.4	308.9	311.0	311.5
25°	297.6	296.8	296.3	295.0	293.3	295.0	294.6	295.0	295.9	299.4	296.8
27.5°	285.9	284.2	285.1	283.8	283.3	283.8	283.8	284.2	285.1	285.5	285.9
30°	276.0	274.3	273.8	273.0	272.5	273.0	273.8	273.0	276.4	276.0	276.0
32.5°	265.2	263.9	263.0	263.0	262.6	262.2	262.6	263.0	265.6	263.9	265.6
35°	254.8	253.9	253.9	253.1	252.6	252.6	252.6	254.4	253.5	254.8	254.8
37.5°	244.8	244.8	244.4	243.5	243.1	243.5	243.1	244.0	243.5	244.0	244.4
40°	234.5	233.6	233.2	233.2	231.9	230.6	231.9	231.9	232.3	233.6	234.0
42.5°	221.9	222.4	222.4	220.6	220.6	220.6	221.1	221.5	221.5	222.4	222.4
45°	211.1	210.2	210.2	210.2	209.4	209.8	210.7	210.7	210.7	210.7	209.8
47.5°	199.0	199.0	199.4	199.4	200.7	200.3	200.3	199.9	199.0	199.0	199.4
50°	187.7	189.0	189.5	189.5	189.9	190.3	190.3	189.5	189.0	187.7	187.7
52.5°	176.9	177.8	178.7	180.0	180.8	180.4	180.4	179.5	177.8	177.4	176.9
55°	165.3	166.5	168.3	169.6	170.9	171.3	171.3	169.6	167.8	165.7	165.7
57.5°	154.4	155.7	158.8	160.1	161.8	161.8	160.9	159.6	157.0	155.3	154.0
60°	143.6	145.8	147.9	150.5	152.7	153.1	151.8	150.1	147.1	144.9	143.2
62.5°	131.9	134.1	138.4	141.0	142.8	142.8	142.8	140.6	136.7	133.7	131.1
65°	120.7	122.9	126.7	130.2	131.5	132.8	131.5	129.3	126.3	122.9	120.3
67.5°	109.0	111.6	115.5	118.1	119.8	121.1	120.3	118.5	114.6	109.9	108.1
70°	96.0	97.3	103.0	105.6	108.1	109.0	108.1	105.6	101.7	96.5	94.7
72.5°	83.9	85.2	90.4	92.6	94.7	95.6	94.3	92.6	89.1	84.4	82.2
75°	70.1	72.2	74.8	78.3	80.9	81.8	80.5	79.2	74.8	71.8	70.1
77.5°	55.4	57.5	61.0	64.0	66.6	66.2	64.5	64.9	60.1	56.7	55.4
80°	42.0	43.7	46.3	48.9	50.2	50.2	49.7	48.0	46.3	43.7	41.5
82.5°	29.0	31.1	33.3	35.0	35.0	35.5	34.6	34.2	32.4	30.3	29.8
85°	17.3	17.7	19.5	19.5	21.2	20.3	19.9	21.2	19.5	18.2	17.7
87.5°	7.8	7.4	7.8	7.8	7.4	8.2	8.2	7.8	8.2	7.8	7.8
90°	20.0	20.9	20.9	20.9	21.9	21.9	21.9	20.9	20.9	20.9	20.0
92.5°	101.2	92.2	77.0	74.1	72.2	70.3	72.2	74.1	77.0	92.2	101.2
95°	382.0	342.1	274.6	246.1	238.5	223.3	238.5	246.1	274.6	342.1	382.0
97.5°	689.9	632.9	575.9	526.4	500.8	489.4	500.8	526.4	575.9	632.9	689.9
100°	975.0	925.5	860.0	791.6	756.4	741.2	756.4	791.6	860.0	925.5	975.0
102.5°	1216.4	1186.9	1115.6	1071.9	1032.9	1022.5	1032.9	1071.9	1115.6	1186.9	1216.4
105°	1356.5	1351.3	1320.9	1289.5	1270.5	1259.1	1270.5	1289.5	1320.9	1351.3	1356.5
107.5°	1395.9	1416.8	1425.4	1420.6	1411.1	1401.6	1411.1	1420.6	1425.4	1416.8	1395.9
110°	1358.4	1398.8	1441.5	1459.6	1466.2	1466.2	1466.2	1459.6	1441.5	1398.8	1358.4

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	1280.0	1329.4	1396.9	1431.1	1450.1	1458.6	1450.1	1431.1	1396.9	1329.4	1280.0
115°	1192.1	1243.9	1318.0	1363.6	1390.2	1402.6	1390.2	1363.6	1318.0	1243.9	1192.1
117.5°	1112.2	1161.2	1236.3	1283.8	1310.4	1318.0	1310.4	1283.8	1236.3	1161.2	1112.2
120°	1045.3	1087.1	1157.4	1203.0	1228.7	1236.3	1228.7	1203.0	1157.4	1087.1	1045.3
122.5°	991.6	1030.1	1090.9	1131.8	1157.4	1164.1	1157.4	1131.8	1090.9	1030.1	991.6
125°	948.4	982.6	1035.8	1074.7	1095.6	1105.1	1095.6	1074.7	1035.8	982.6	948.4
127.5°	911.3	943.6	992.1	1027.2	1047.2	1051.0	1047.2	1027.2	992.1	943.6	911.3
130°	873.8	904.6	952.2	983.5	1002.5	1008.2	1002.5	983.5	952.2	904.6	873.8
132.5°	833.4	862.8	910.3	941.7	958.8	965.5	958.8	941.7	910.3	862.8	833.4
135°	794.9	822.0	863.8	895.1	912.2	917.9	912.2	895.1	863.8	822.0	794.9
137.5°	754.5	778.3	816.3	845.7	861.9	868.5	861.9	845.7	816.3	778.3	754.5
140°	717.4	737.4	772.6	797.3	811.5	816.3	811.5	797.3	772.6	737.4	717.4
142.5°	685.6	702.2	730.7	750.7	764.0	767.8	764.0	750.7	730.7	702.2	685.6
145°	658.0	670.9	693.7	709.8	720.3	724.1	720.3	709.8	693.7	670.9	658.0
147.5°	634.3	644.3	663.3	676.6	683.2	685.1	683.2	676.6	663.3	644.3	634.3
150°	614.8	623.4	637.6	649.0	652.8	653.8	652.8	649.0	637.6	623.4	614.8
152.5°	598.2	604.4	615.8	624.3	628.1	629.1	628.1	624.3	615.8	604.4	598.2
155°	582.0	587.3	596.8	603.4	606.3	607.2	606.3	603.4	596.8	587.3	582.0
157.5°	566.8	571.1	578.7	584.4	587.3	587.3	587.3	584.4	578.7	571.1	566.8
160°	551.6	554.9	561.6	566.4	568.3	567.3	568.3	566.4	561.6	554.9	551.6
162.5°	537.8	540.7	545.4	549.2	549.2	549.2	549.2	549.2	545.4	540.7	537.8
165°	524.0	526.4	530.2	532.1	532.1	532.1	532.1	532.1	530.2	526.4	524.0
167.5°	511.2	513.1	515.0	516.9	516.0	516.0	516.0	516.9	515.0	513.1	511.2
170°	498.8	499.8	501.7	502.7	502.7	501.7	502.7	502.7	501.7	499.8	498.8
172.5°	488.9	489.4	489.4	491.3	489.4	488.4	489.4	491.3	489.4	489.4	488.9
175°	479.9	479.9	479.9	480.8	478.9	478.0	478.9	480.8	479.9	479.9	479.9
177.5°	474.2	474.2	473.2	474.2	471.3	471.3	471.3	474.2	473.2	474.2	474.2
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6	509.6
2.5°	484.1	481.5	484.5	480.6	481.5	486.2	485.8	490.1	492.7	492.3	494.5
5°	452.1	452.1	453.4	452.9	457.3	461.1	466.3	470.7	475.4	478.0	481.0
7.5°	420.5	424.8	425.7	427.8	433.0	439.5	444.7	451.2	458.1	462.9	466.3
10°	394.5	398.0	401.4	403.2	408.8	417.5	424.8	435.2	443.8	449.0	453.8
12.5°	371.6	375.5	377.2	385.0	388.9	394.5	404.9	416.2	425.7	431.3	435.2
15°	355.2	357.3	361.2	366.0	369.9	376.8	385.4	398.0	407.1	411.8	425.2
17.5°	341.3	343.9	346.1	348.2	354.3	361.6	369.9	380.7	392.4	400.6	407.5
20°	327.0	328.3	330.9	334.4	338.7	345.6	353.0	364.2	374.6	381.1	390.2
22.5°	310.2	314.1	316.7	319.3	324.0	331.8	338.7	346.9	359.9	367.3	376.8
25°	300.2	301.9	303.7	306.7	310.2	317.1	324.9	333.5	343.9	351.7	359.9
27.5°	287.2	289.8	292.0	295.9	298.1	303.7	311.0	319.7	332.2	338.7	345.6
30°	276.4	279.0	280.8	282.5	285.5	291.6	298.5	305.4	317.1	325.3	332.2
32.5°	265.6	268.2	270.4	271.7	274.7	278.6	284.2	292.9	302.8	308.4	317.5
35°	256.1	256.1	258.7	260.4	263.0	266.5	271.7	278.2	288.5	295.9	304.1
37.5°	245.3	245.7	247.9	249.2	251.8	255.2	260.4	266.5	275.1	280.8	289.0
40°	234.0	235.3	236.2	238.4	241.4	242.7	247.9	254.8	263.4	268.6	275.6
42.5°	222.8	223.7	225.8	227.5	230.1	232.3	235.8	242.3	248.7	256.5	262.2
45°	210.2	212.4	213.7	216.7	218.0	220.2	223.7	228.8	236.6	241.4	247.9
47.5°	199.4	200.3	201.2	205.0	207.6	208.9	212.4	215.4	223.7	228.0	234.0
50°	187.7	187.7	189.0	190.8	193.8	196.4	199.4	202.9	209.4	213.7	219.8
52.5°	176.9	175.6	176.5	177.4	180.4	183.0	186.0	190.8	196.8	199.4	204.6
55°	165.3	163.1	164.4	165.7	166.5	170.0	173.5	176.5	181.3	185.1	189.9
57.5°	152.7	152.3	151.4	151.8	154.0	156.2	158.8	162.7	168.3	171.3	173.9
60°	141.5	138.9	138.0	138.9	140.2	141.5	144.9	148.4	153.1	156.2	159.2
62.5°	129.8	127.2	125.5	124.2	125.5	128.5	130.6	133.2	137.1	140.6	143.2
65°	118.5	114.6	112.9	112.0	111.6	113.8	115.5	119.0	122.4	123.7	126.7
67.5°	106.0	102.5	100.4	99.1	99.1	99.1	100.8	104.3	107.7	108.1	111.2
70°	93.4	89.5	87.4	85.7	84.8	85.7	87.8	88.2	91.3	92.1	93.9
72.5°	80.0	76.6	74.0	71.8	72.2	73.1	73.1	74.0	75.7	77.9	77.9
75°	67.5	62.7	61.4	59.7	58.8	58.8	58.8	60.6	61.9	63.6	63.2
77.5°	53.2	50.6	48.0	47.2	45.9	45.4	46.3	46.3	47.2	48.5	48.9
80°	41.1	38.1	36.3	35.5	33.7	33.3	33.7	33.7	35.0	34.6	35.0
82.5°	28.6	26.4	25.1	23.8	22.9	23.4	22.9	22.9	23.4	22.9	22.9
85°	16.4	16.0	15.1	14.7	14.3	13.4	14.3	13.8	13.4	13.0	13.8
87.5°	7.8	7.4	7.4	6.5	6.5	6.1	6.5	6.5	6.1	6.1	6.1
90°	19.0	18.1	17.1	16.2	15.2	13.3	12.4	10.5	9.5	8.6	7.6
92.5°	110.2	148.2	206.2	306.0	379.2	385.8	268.0	159.6	95.0	77.9	60.8
95°	421.9	538.8	683.2	823.9	841.9	687.0	424.8	215.7	114.0	92.6	71.3
97.5°	746.9	864.7	979.7	1029.1	909.4	630.0	346.8	186.3	115.9	100.2	84.6
100°	1024.4	1122.3	1168.8	1095.6	858.1	547.3	307.9	184.3	129.2	115.0	100.7
102.5°	1245.8	1280.0	1232.5	1055.7	767.8	484.6	291.7	192.9	145.4	131.6	117.8
105°	1361.7	1319.9	1189.7	961.7	688.9	448.5	289.8	205.3	163.4	150.1	136.8
107.5°	1375.0	1274.3	1102.3	872.3	630.0	429.5	296.5	222.4	181.5	169.6	157.7
110°	1318.0	1184.0	1003.5	798.2	591.1	421.9	306.9	241.4	202.4	190.0	177.7

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CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	1230.6	1094.7	925.5	743.1	568.3	421.9	320.2	259.4	222.4	210.5	198.6
115°	1140.3	1010.1	862.8	706.0	553.0	424.8	333.5	278.4	243.3	231.4	219.5
117.5°	1063.3	949.3	819.1	681.3	544.5	429.5	348.7	297.4	264.2	252.8	241.4
120°	1003.5	898.9	784.9	661.4	538.8	437.1	363.9	318.3	285.1	273.2	261.3
122.5°	953.1	862.8	759.3	644.3	534.0	443.8	381.1	338.3	305.0	293.2	281.3
125°	914.1	831.5	734.5	629.1	530.2	451.4	396.3	355.4	324.0	311.6	299.3
127.5°	879.0	801.1	708.9	614.8	528.3	459.9	410.5	372.5	342.1	329.8	317.4
130°	842.9	768.8	685.1	600.6	526.4	467.5	424.8	388.7	359.2	346.8	334.5
132.5°	803.9	738.3	661.4	589.2	526.4	476.1	437.1	403.9	374.4	362.0	349.7
135°	767.8	707.0	641.4	580.6	526.4	483.7	448.5	417.2	387.7	374.8	362.0
137.5°	730.7	678.5	623.4	572.1	527.4	491.3	457.1	426.7	400.1	386.8	373.5
140°	697.5	653.8	609.1	566.4	528.3	496.0	465.6	437.1	409.6	396.8	383.9
142.5°	669.0	632.9	596.8	561.6	529.3	498.9	470.4	443.8	418.1	406.2	394.4
145°	645.2	615.8	586.3	556.8	528.3	500.8	475.1	451.4	426.7	415.8	404.8
147.5°	624.3	600.6	575.9	552.1	526.4	501.7	478.0	456.1	434.3	424.3	414.3
150°	606.3	588.2	567.3	546.4	523.6	501.7	480.8	460.9	440.0	431.9	423.8
152.5°	592.0	575.9	557.8	539.7	519.8	500.8	482.7	465.6	446.6	439.5	432.4
155°	576.8	563.5	548.3	532.1	515.0	498.9	483.7	468.5	452.3	445.6	439.0
157.5°	562.6	552.1	538.8	525.5	510.3	497.0	484.6	471.3	457.1	451.8	446.6
160°	548.3	538.8	529.3	516.9	505.5	494.1	484.6	473.2	460.9	456.6	452.3
162.5°	535.0	527.4	518.8	509.3	499.8	491.3	483.7	475.1	464.7	461.4	458.0
165°	521.7	516.0	509.3	501.7	494.1	488.4	482.7	475.1	467.5	464.6	461.8
167.5°	509.3	504.6	499.8	494.1	488.4	483.7	480.8	475.1	468.5	466.6	464.7
170°	497.9	495.1	492.2	487.5	483.7	480.8	478.9	475.1	470.4	469.0	467.5
172.5°	488.4	486.5	483.7	480.8	478.0	477.0	477.0	474.2	470.4	469.9	469.4
175°	479.9	478.0	478.0	475.1	474.2	474.2	475.1	473.2	470.4	470.4	470.4
177.5°	474.2	474.2	473.2	472.3	471.3	471.3	473.2	472.3	470.4	470.4	470.4
180°	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3	471.3

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	509.6	509.6	509.6	509.6
2.5°	497.5	501.8	504.8	510.5
5°	486.2	494.0	501.4	509.2
7.5°	475.0	484.1	495.8	505.7
10°	462.4	474.1	488.0	501.4
12.5°	449.9	463.7	478.9	496.6
15°	434.8	452.5	470.2	489.3
17.5°	421.3	439.5	458.5	482.3
20°	406.2	426.1	446.9	471.1
22.5°	392.8	414.9	436.5	462.0
25°	377.7	399.3	423.1	450.3
27.5°	365.1	385.0	408.4	437.8
30°	350.0	371.6	395.0	424.4
32.5°	335.7	356.5	381.1	410.1
35°	321.0	342.2	364.2	391.9
37.5°	307.1	325.3	347.4	373.8
40°	291.6	311.5	331.4	352.1
42.5°	277.3	295.5	314.1	330.5
45°	261.3	276.9	294.6	308.0
47.5°	246.6	260.4	274.3	284.6
50°	231.9	242.7	253.1	262.2
52.5°	214.6	226.7	232.3	237.9
55°	199.0	205.9	211.1	216.7
57.5°	183.9	186.9	189.5	194.7
60°	164.0	167.4	170.4	174.3
62.5°	146.6	148.4	149.2	153.1
65°	130.2	129.8	131.9	134.1
67.5°	112.5	112.0	114.2	115.1
70°	95.2	94.7	95.2	97.3
72.5°	78.7	78.7	79.2	80.0
75°	63.6	63.6	64.0	64.9
77.5°	48.0	48.9	48.5	50.2
80°	35.0	34.2	35.0	35.9
82.5°	22.9	23.8	23.8	22.9
85°	13.0	13.0	13.0	13.0
87.5°	5.6	5.6	6.1	6.5
90°	5.7	3.8	1.9	1.0
92.5°	40.9	26.6	17.1	14.3
95°	50.4	39.9	32.3	31.4
97.5°	65.6	55.1	49.4	48.5
100°	82.7	72.2	68.4	66.5
102.5°	101.7	90.3	87.4	86.5
105°	121.6	112.1	107.4	107.4
107.5°	141.6	134.0	129.2	127.3
110°	163.4	154.9	151.1	149.2

TEST NUMBER: P1027786

CATALOG NUMBER: S125DIP-B375D1090UB50-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	184.3	175.8	172.9	171.0
115°	205.3	196.7	193.9	192.0
117.5°	225.2	216.7	213.8	211.0
120°	245.2	236.6	232.8	230.0
122.5°	263.2	254.7	251.8	249.9
125°	281.3	272.7	268.0	266.1
127.5°	298.4	287.9	282.2	279.4
130°	314.5	302.2	294.6	291.7
132.5°	328.8	314.5	305.0	301.2
135°	342.1	326.9	315.5	311.7
137.5°	353.5	338.3	327.8	325.0
140°	365.8	350.6	339.2	336.4
142.5°	377.3	362.0	351.6	349.7
145°	387.7	374.4	364.9	363.0
147.5°	399.1	386.8	378.2	377.3
150°	410.5	398.2	391.5	389.6
152.5°	420.0	409.6	403.9	402.9
155°	429.5	420.0	414.3	414.3
157.5°	438.1	429.5	424.8	424.8
160°	444.7	438.1	434.3	435.2
162.5°	452.3	446.6	442.8	443.8
165°	458.0	453.3	450.4	452.3
167.5°	461.8	459.0	457.1	458.0
170°	465.6	463.7	462.8	463.7
172.5°	468.5	466.6	465.6	467.5
175°	470.4	469.4	468.5	470.4
177.5°	471.3	470.4	470.4	472.3
180°	471.3	471.3	471.3	471.3

(END OF REPORT)