

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: P1011777

Luminaire Tested: S123DIP-B560D365UB30-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011777
REPORT IS A COMBINATION OF REPORTS P990065 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B560D365UB30-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

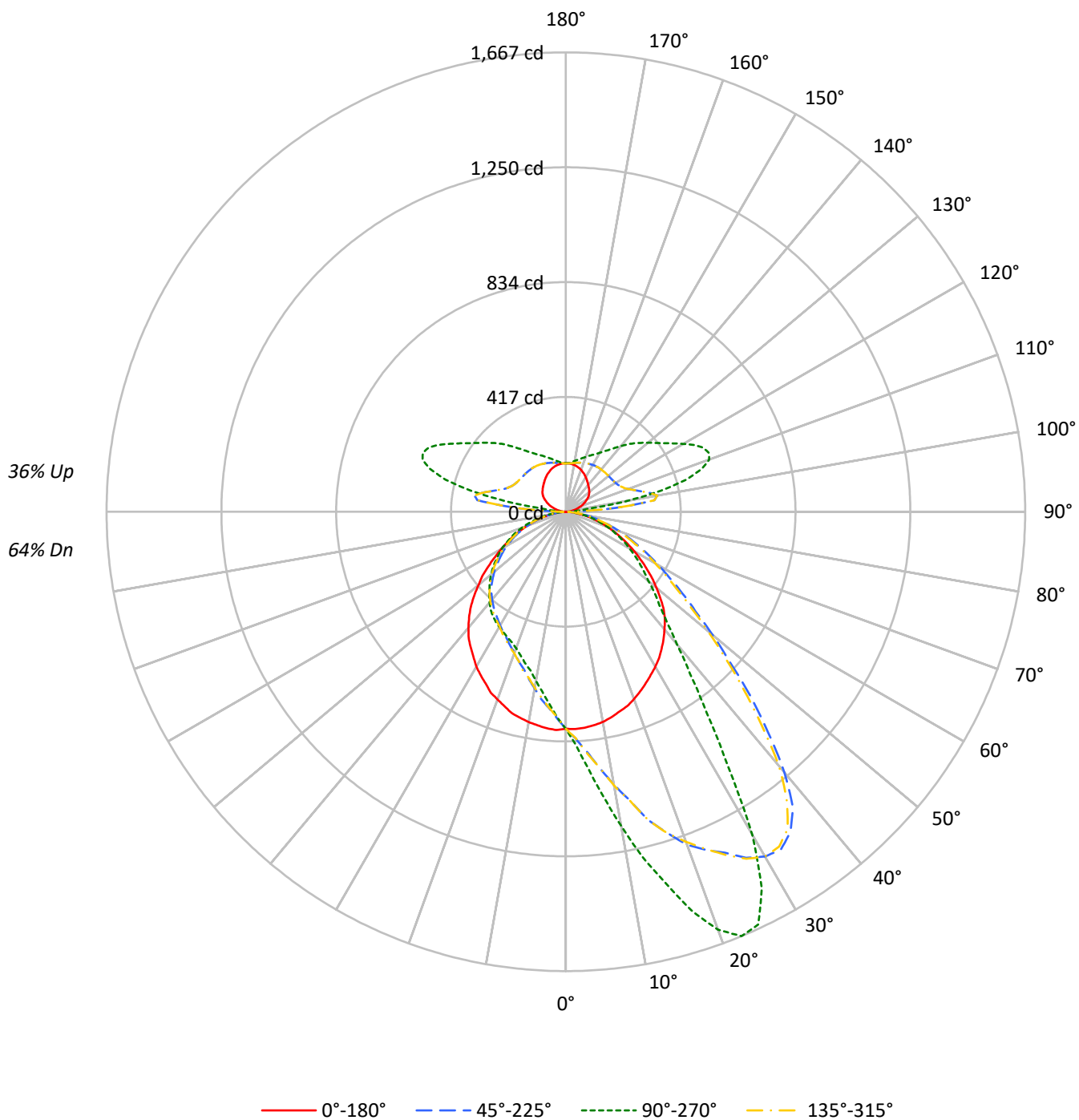
Lumens per Lamp: N/A
Luminaire Lumens: 3698.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 33.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	60	59
2	93	85	79	74	87	80	75	70	71	67	63	63	59	57	55	52	50
3	85	75	68	62	79	71	64	59	63	58	54	56	52	48	49	46	43
4	78	67	59	53	73	63	56	50	56	51	46	50	45	42	44	40	37
5	71	60	52	45	67	56	49	44	50	44	40	45	40	36	40	36	33
6	66	54	46	40	62	51	43	38	46	40	35	41	36	32	36	32	29
7	61	49	41	35	57	46	39	34	41	35	31	37	32	28	33	29	26
8	57	44	36	31	53	42	35	30	38	32	28	34	29	25	30	26	23
9	53	40	33	28	50	38	32	27	35	29	25	31	26	23	28	24	21
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	26	22	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8473	8473	8473	8473
5°	8480	9763	8504	7287
10°	8426	11815	8434	6363
15°	8309	14012	8376	5728
20°	8209	16132	8226	5270
25°	8059	16539	8078	5032
30°	7954	13664	7954	4876
35°	7822	9138	7773	4737
40°	7664	6596	7569	4526
45°	7466	5226	7250	4263
50°	6984	4437	6735	4005
55°	6454	3900	6191	3717
60°	5918	3395	5604	3415
65°	5330	2908	5072	3012
70°	4718	2414	4403	2538
75°	4032	1820	3774	1960
80°	3187	1216	2942	1288
85°	2200	559	1758	508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	2.1
10°-20°	248.7	6.7
20°-30°	418.4	11.3
30°-40°	472.9	12.8
40°-50°	423.5	11.5
50°-60°	341.9	9.2
60°-70°	238.2	6.4
70°-80°	125.0	3.4
80°-90°	31.0	0.8
90°-100°	95.3	2.6
100°-110°	279.0	7.5
110°-120°	272.5	7.4
120°-130°	217.0	5.9
130°-140°	171.2	4.6
140°-150°	127.7	3.5
150°-160°	89.0	2.4
160°-170°	52.3	1.4
170°-180°	17.0	0.5
0°-30°	744.5	20.1
0°-40°	1217.4	32.9
0°-60°	1982.7	53.6
0°-90°	2377.0	64.3
90°-120°	646.8	17.5
90°-150°	1162.7	31.4
90°-180°	1321.0	35.7
0°-180°	3698.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	787	787	787	787	787	
5°	786	935	789	698	786	75
15°	751	1392	757	569	751	212
25°	686	1652	688	503	686	317
35°	606	890	602	462	606	379
45°	503	481	488	392	503	384
55°	356	326	342	311	356	319
65°	220	212	210	220	220	220
75°	106	109	99	118	106	114
85°	23	25	18	23	23	26
90°	1	10	1	10	1	2
95°	12	41	12	41	12	13
105°	41	452	41	452	41	44
115°	73	550	73	550	73	72
125°	101	434	101	434	101	90
135°	119	352	119	352	119	92
145°	135	275	135	275	135	85
155°	154	228	154	228	154	71
165°	168	199	168	199	168	47
175°	175	179	175	179	175	17
180°	176	176	176	176	176	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	789.5	795.6	798.7	803.3	807.8	814.7	817.0	820.8	819.3	822.3	823.9
5°	786.5	797.2	806.3	817.7	828.4	836.1	843.7	855.9	865.0	866.6	873.4
7.5°	781.1	796.4	812.4	828.4	849.0	861.2	875.0	891.7	905.5	927.6	936.0
10°	774.3	795.6	818.5	840.6	868.9	887.9	904.7	932.9	961.2	984.0	1005.4
12.5°	763.6	790.3	820.0	852.8	889.5	911.6	934.5	971.8	1014.6	1049.6	1072.5
15°	750.6	784.2	822.3	857.4	897.8	939.0	963.4	1005.4	1066.4	1099.2	1158.0
17.5°	739.9	774.3	812.4	867.3	922.3	963.4	981.0	1058.0	1100.0	1154.9	1221.3
20°	723.2	766.6	815.5	870.4	941.3	966.5	1002.4	1080.2	1132.0	1203.7	1285.4
22.5°	705.6	752.1	810.9	868.1	947.4	974.1	1022.9	1084.7	1167.1	1238.1	1328.1
25°	686.5	736.9	796.4	864.3	942.1	981.0	1026.8	1103.0	1192.3	1281.5	1364.7
27.5°	667.5	722.4	784.2	852.1	927.6	973.4	1019.1	1098.5	1212.9	1309.8	1415.8
30°	649.2	704.1	765.9	835.3	914.6	958.9	1002.4	1101.5	1228.9	1338.0	1444.8
32.5°	629.3	685.8	750.6	808.6	888.7	936.0	984.8	1101.5	1238.8	1354.8	1452.4
35°	605.7	663.7	719.3	777.3	856.7	909.3	964.2	1093.9	1248.0	1360.1	1420.4
37.5°	582.8	633.9	682.0	738.4	821.6	878.0	941.3	1084.7	1243.4	1337.2	1354.0
40°	556.9	608.0	646.9	699.5	787.2	852.8	916.9	1072.5	1223.6	1283.1	1234.2
42.5°	531.7	572.1	605.7	656.8	752.1	816.2	885.6	1050.4	1184.7	1196.9	1087.0
45°	502.7	531.7	561.4	619.4	714.0	779.6	856.7	1018.4	1122.1	1087.0	948.2
47.5°	465.3	491.3	524.1	577.5	673.6	741.5	814.7	977.2	1031.3	958.1	806.3
50°	429.5	451.6	482.1	534.0	630.9	697.2	775.0	912.3	939.0	823.9	694.9
52.5°	393.6	410.4	440.1	492.0	588.9	653.0	723.9	846.0	830.7	707.1	592.7
55°	356.2	370.7	399.0	450.1	540.1	601.1	669.0	764.3	724.7	607.2	515.7
57.5°	319.6	334.9	363.9	406.6	491.3	550.8	604.9	679.7	620.2	526.3	445.5
60°	286.8	299.8	321.9	363.9	440.9	489.0	538.6	589.7	540.1	449.3	387.5
62.5°	252.5	264.7	285.3	323.4	389.8	432.5	472.2	514.1	459.2	392.9	337.9
65°	220.5	230.4	249.4	284.5	338.7	373.8	405.8	434.8	390.6	329.5	288.3
67.5°	191.5	199.9	215.9	247.2	292.9	318.1	344.0	368.4	331.1	282.2	247.2
70°	160.2	167.1	181.6	204.4	241.1	267.0	286.1	304.4	270.8	231.9	208.3
72.5°	132.7	139.6	148.8	172.4	197.6	213.6	234.2	244.1	225.0	193.0	169.3
75°	106.0	111.4	119.8	135.0	158.7	169.3	182.3	189.9	172.4	151.0	136.5
77.5°	83.1	85.4	91.5	102.2	118.2	130.4	140.4	144.9	132.7	119.0	106.8
80°	58.7	61.8	66.4	75.5	87.7	91.5	97.6	103.0	95.4	83.1	75.5
82.5°	38.9	42.7	45.0	48.8	56.4	61.0	62.6	67.1	60.3	55.7	52.6
85°	22.9	24.4	25.2	27.5	31.3	33.6	35.9	36.6	35.1	34.3	31.3
87.5°	11.4	11.4	11.4	13.0	13.7	15.3	16.0	16.0	16.0	15.3	14.5
90°	0.7	1.4	2.1	3.2	3.9	4.2	4.6	5.7	6.8	7.8	8.9
92.5°	5.3	7.8	11.4	14.6	18.1	21.3	24.5	35.9	54.7	73.2	66.1
95°	12.1	13.2	17.1	23.1	32.4	39.3	46.2	76.4	129.4	187.7	210.8
97.5°	19.2	19.6	22.8	28.1	37.3	45.0	52.6	82.5	144.0	242.1	324.2
100°	26.3	26.7	29.2	34.1	42.7	49.6	56.5	81.4	134.0	227.5	336.7
102.5°	33.8	34.5	36.6	41.2	48.7	54.9	61.1	82.8	125.5	206.2	313.6
105°	41.2	42.3	44.4	48.7	55.5	61.0	66.5	85.7	122.3	189.5	285.8
107.5°	49.1	50.1	52.3	56.5	62.9	68.0	73.2	90.3	121.6	177.4	261.3
110°	57.6	58.7	60.4	64.3	70.4	75.4	80.3	96.3	123.4	171.0	241.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	65.4	66.5	68.3	72.2	78.2	83.0	87.8	102.4	126.9	167.4	227.5
115°	72.9	74.3	76.4	80.0	86.0	90.8	95.6	109.1	130.8	167.1	218.6
117.5°	80.3	82.1	83.9	87.1	93.9	98.3	102.7	116.3	135.8	167.4	212.6
120°	88.2	89.2	91.0	94.6	101.3	105.8	110.2	123.0	141.5	168.9	208.7
122.5°	94.9	96.0	97.8	101.7	108.1	112.9	117.7	130.1	146.8	171.4	206.2
125°	101.3	102.0	104.2	108.1	114.8	119.6	124.4	136.9	152.5	173.8	204.1
127.5°	106.3	107.4	109.9	113.8	121.2	126.0	130.8	142.9	157.1	176.7	203.0
130°	110.9	112.0	115.2	119.4	126.9	131.7	136.5	148.2	161.8	179.5	201.9
132.5°	114.5	115.9	119.4	124.8	132.2	136.8	141.5	152.9	166.0	181.7	201.6
135°	118.7	120.2	124.1	129.4	136.9	141.7	146.5	157.5	169.6	183.8	201.2
137.5°	122.6	124.1	128.0	133.7	141.1	145.6	150.0	160.7	172.4	185.2	200.5
140°	126.6	128.3	131.9	137.6	144.7	149.1	153.6	163.9	174.6	186.6	200.1
142.5°	130.8	132.2	136.2	141.1	148.2	152.3	156.4	166.4	176.7	187.7	199.4
145°	135.4	136.5	139.7	145.0	151.1	155.2	159.3	168.5	178.1	188.1	198.7
147.5°	140.1	140.8	144.0	148.6	154.6	158.2	161.8	170.3	179.2	188.1	197.7
150°	144.7	145.0	147.9	152.5	157.5	160.7	163.9	172.1	179.5	188.1	196.2
152.5°	149.3	149.3	152.2	156.1	160.3	163.4	166.4	173.1	180.2	187.0	194.5
155°	153.9	153.9	156.1	159.6	163.5	166.0	168.5	174.6	180.2	186.3	192.3
157.5°	157.5	157.8	159.6	162.8	166.4	168.4	170.3	175.3	180.6	185.2	190.6
160°	161.8	161.8	163.2	166.0	168.5	170.3	172.1	176.3	180.6	184.5	188.4
162.5°	165.0	165.0	166.0	168.2	170.3	171.7	173.1	176.7	180.2	183.1	186.3
165°	168.2	167.8	168.5	170.3	171.7	173.0	174.2	177.0	179.5	181.7	184.2
167.5°	170.6	170.3	170.6	172.1	173.1	174.0	174.9	177.0	179.2	180.2	182.0
170°	172.8	172.1	172.4	173.5	174.2	174.6	174.9	176.7	178.1	178.8	179.9
172.5°	174.2	173.8	173.8	174.6	174.9	175.1	175.3	176.7	177.8	177.8	178.1
175°	175.3	174.9	174.6	175.3	175.3	175.4	175.6	176.3	177.0	176.7	176.7
177.5°	176.0	175.6	175.3	175.6	175.6	175.6	175.6	176.0	176.7	176.0	175.6
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	829.2	830.7	836.1	839.9	847.5	846.7	846.7	846.0	843.7	847.5	849.8
5°	887.2	900.1	901.7	918.4	919.2	926.1	930.6	926.8	936.0	935.2	928.4
7.5°	958.9	976.4	984.8	1000.8	1019.1	1014.6	1032.1	1035.2	1033.6	1041.3	1046.6
10°	1037.4	1068.0	1089.3	1119.1	1126.7	1131.3	1142.7	1152.6	1172.5	1157.2	1167.1
12.5°	1127.5	1149.6	1177.8	1225.1	1248.7	1264.0	1269.3	1276.2	1289.9	1281.5	1282.3
15°	1203.0	1232.7	1280.8	1339.5	1346.4	1365.5	1360.9	1402.1	1421.9	1392.2	1408.9
17.5°	1281.5	1321.2	1378.4	1429.5	1458.5	1471.5	1483.7	1523.4	1521.8	1517.3	1521.1
20°	1331.9	1396.7	1467.7	1535.6	1544.0	1553.9	1586.7	1603.5	1600.4	1613.4	1621.8
22.5°	1402.8	1471.5	1547.0	1592.0	1611.1	1622.5	1648.5	1659.1	1663.7	1666.8	1661.4
25°	1462.3	1535.6	1591.3	1630.9	1642.4	1648.5	1656.9	1659.9	1657.6	1652.3	1656.9
27.5°	1502.8	1561.5	1599.6	1617.9	1611.8	1601.9	1585.9	1575.2	1551.6	1540.1	1553.9
30°	1519.5	1545.5	1556.9	1526.4	1495.9	1471.5	1441.0	1384.5	1340.3	1353.2	1335.7
32.5°	1492.8	1476.1	1421.1	1342.6	1318.9	1279.3	1193.1	1126.7	1129.0	1093.9	1108.4
35°	1414.3	1338.0	1234.2	1115.2	1084.0	1062.6	968.0	953.5	923.0	890.2	899.4
37.5°	1275.4	1164.1	1038.2	950.5	903.9	857.4	804.0	772.0	753.7	739.9	750.6
40°	1106.1	970.3	866.6	788.0	748.3	718.6	682.0	649.9	629.3	627.0	630.9
42.5°	939.8	825.4	730.0	655.3	642.3	607.2	583.6	558.4	552.3	542.4	547.7
45°	795.6	702.6	624.0	563.0	547.7	538.6	509.6	493.5	486.7	480.6	489.7
47.5°	691.1	593.5	536.3	499.6	484.4	469.1	453.1	442.4	437.1	437.9	437.1
50°	590.4	518.7	468.4	440.1	431.0	420.3	407.3	400.5	398.2	391.3	396.7
52.5°	508.0	456.2	421.1	394.4	387.5	379.9	369.2	365.4	360.1	358.5	358.5
55°	441.7	401.2	373.0	355.5	347.1	341.0	334.9	330.3	326.5	326.5	326.5
57.5°	389.8	354.7	334.1	318.9	315.8	309.7	302.8	302.8	297.5	296.7	299.0
60°	345.6	314.3	298.3	285.3	280.7	279.2	272.3	272.3	270.8	267.0	270.0
62.5°	300.6	277.7	263.9	254.0	249.4	249.4	244.1	240.3	240.3	241.1	239.5
65°	259.4	242.6	230.4	222.7	220.5	217.4	216.6	213.6	211.3	212.1	211.3
67.5°	222.7	209.8	201.4	195.3	191.5	189.9	187.7	187.7	186.1	186.9	183.1
70°	189.9	177.0	170.1	164.0	162.5	162.5	159.4	160.2	158.7	161.0	159.4
72.5°	156.4	146.5	141.1	138.8	137.3	136.5	135.0	133.5	132.7	134.3	133.5
75°	126.6	118.2	114.4	112.9	111.4	111.4	110.6	109.8	109.1	109.1	109.1
77.5°	98.4	93.1	88.5	90.0	87.7	88.5	86.2	86.2	87.0	86.2	86.2
80°	72.5	68.7	68.7	67.1	64.1	65.6	65.6	63.3	62.6	64.1	61.8
82.5°	48.1	47.3	45.8	45.0	43.5	44.2	43.5	42.7	42.0	43.5	42.0
85°	28.2	28.2	27.5	25.9	27.5	26.7	25.9	25.9	25.2	25.2	25.2
87.5°	14.5	13.0	13.0	12.2	13.0	11.4	12.2	11.4	10.7	11.4	10.7
90°	8.5	8.9	9.2	9.6	10.0	10.3	10.0	10.3	10.7	10.3	10.7
92.5°	49.4	35.2	27.4	23.8	22.6	21.3	20.6	19.2	19.6	18.8	19.6
95°	171.0	128.0	86.7	67.9	61.5	55.1	48.3	45.1	42.7	41.2	42.7
97.5°	335.2	294.0	221.8	174.9	154.6	134.4	110.6	97.1	88.5	84.6	88.5
100°	406.7	419.1	390.3	348.8	323.6	298.3	262.4	236.4	222.5	222.9	222.5
102.5°	410.3	460.7	466.8	446.9	433.2	419.5	393.5	374.3	363.3	353.0	363.3
105°	387.9	462.2	497.7	504.5	499.8	495.2	478.9	465.4	454.0	452.2	454.0
107.5°	355.9	440.8	496.6	524.4	529.2	534.0	531.8	525.4	520.8	516.9	520.8
110°	326.0	407.4	472.8	517.6	530.0	542.5	552.5	555.3	554.6	553.9	554.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	300.0	374.3	441.5	493.1	510.0	526.9	547.1	557.4	561.0	561.3	561.0
115°	280.1	345.9	407.8	460.0	479.4	498.8	525.4	541.1	548.2	550.0	548.2
117.5°	267.0	323.9	378.6	426.6	446.7	466.8	494.5	511.9	522.6	525.1	522.6
120°	257.0	307.2	355.1	397.8	415.8	433.7	461.8	481.7	490.2	492.4	490.2
122.5°	248.9	294.0	336.3	375.1	391.5	407.8	431.9	449.4	459.0	461.8	459.0
125°	242.1	282.6	321.4	355.5	369.7	383.9	406.7	422.3	431.2	433.7	431.2
127.5°	235.7	272.3	307.5	338.8	352.0	365.1	385.7	399.2	407.4	409.5	407.4
130°	230.7	262.7	294.7	323.5	335.6	347.7	366.5	379.3	386.8	389.6	386.8
132.5°	226.1	253.8	282.6	308.9	320.3	331.7	349.1	361.9	368.3	370.1	368.3
135°	222.2	246.0	271.3	294.4	304.5	314.6	332.0	342.7	349.1	351.6	349.1
137.5°	218.6	238.5	259.9	280.5	289.6	298.6	313.6	324.6	329.9	332.0	329.9
140°	215.4	232.1	250.3	267.3	275.0	282.6	296.1	306.1	311.8	311.4	311.8
142.5°	212.6	226.1	241.0	255.3	261.7	268.1	279.1	287.6	292.6	292.2	292.6
145°	210.1	221.5	233.2	244.6	249.8	254.9	263.8	271.3	274.1	274.8	274.1
147.5°	207.6	217.6	227.2	236.8	240.5	244.2	251.3	256.7	259.5	259.9	259.5
150°	205.1	213.3	221.5	228.9	232.3	235.7	241.0	244.9	247.1	247.1	247.1
152.5°	202.3	209.4	216.1	222.5	225.2	227.9	231.8	235.3	236.4	236.4	236.4
155°	199.4	205.5	211.2	216.5	218.6	220.8	224.0	226.8	227.5	227.9	227.5
157.5°	196.2	201.2	206.2	210.5	212.2	214.0	216.9	219.0	219.7	219.7	219.7
160°	193.0	197.7	201.6	205.1	206.4	207.6	210.1	212.2	212.2	211.9	212.2
162.5°	189.8	193.4	196.6	199.8	200.9	201.9	203.3	205.1	205.1	204.8	205.1
165°	187.0	189.8	192.0	194.5	195.4	196.2	197.7	199.1	198.7	198.7	198.7
167.5°	184.2	186.6	188.4	189.8	190.6	191.3	192.0	193.0	192.7	192.7	192.7
170°	181.7	183.4	184.5	185.9	186.2	186.6	187.0	187.7	187.4	187.4	187.4
172.5°	179.2	180.6	181.3	182.4	182.6	182.7	182.7	183.4	182.7	182.4	182.7
175°	177.4	178.1	178.5	179.2	179.2	179.2	179.2	179.5	179.2	178.8	179.2
177.5°	176.0	176.3	176.7	177.0	177.0	177.0	176.7	177.0	176.3	176.3	176.3
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	843.7	846.0	839.9	838.3	838.3	841.4	839.1	818.5	822.3	817.7	816.2
5°	936.7	932.2	926.1	923.0	919.2	908.5	907.8	884.1	879.5	864.3	857.4
7.5°	1039.0	1035.2	1016.8	1014.6	1013.0	1003.1	977.9	952.8	934.5	916.9	900.1
10°	1155.7	1144.2	1135.8	1119.1	1110.7	1096.9	1064.1	1040.5	1009.2	982.5	947.4
12.5°	1296.0	1283.1	1254.8	1242.6	1232.0	1193.8	1161.0	1134.3	1073.3	1055.0	1011.5
15°	1399.0	1371.6	1368.5	1341.8	1340.3	1298.3	1235.8	1206.8	1159.5	1092.4	1047.4
17.5°	1510.4	1486.0	1466.9	1434.9	1430.3	1390.6	1344.9	1273.9	1222.0	1158.0	1100.8
20°	1592.0	1579.0	1546.2	1533.3	1506.6	1473.0	1425.7	1338.0	1274.7	1210.6	1140.4
22.5°	1656.9	1643.9	1617.9	1600.4	1585.1	1541.7	1485.2	1410.5	1323.5	1239.6	1167.1
25°	1656.1	1652.3	1641.6	1633.2	1621.8	1589.7	1542.4	1470.7	1373.8	1281.5	1180.9
27.5°	1562.3	1572.9	1591.3	1600.4	1598.1	1593.5	1566.8	1506.6	1419.6	1309.8	1196.9
30°	1367.0	1405.9	1440.2	1486.0	1499.7	1533.3	1548.5	1514.2	1444.8	1342.6	1217.5
32.5°	1133.6	1190.0	1264.8	1289.9	1333.4	1398.3	1470.7	1483.7	1440.2	1361.6	1230.4
35°	929.9	976.4	1034.4	1074.1	1113.0	1218.2	1309.8	1389.1	1403.6	1351.7	1227.4
37.5°	769.7	802.5	853.6	887.2	923.0	1013.0	1141.2	1244.2	1316.6	1318.2	1219.0
40°	653.7	668.2	712.5	736.9	771.2	849.0	963.4	1097.7	1203.7	1252.6	1196.9
42.5°	553.8	572.9	609.5	627.8	649.9	717.8	793.3	920.7	1051.9	1156.4	1155.7
45°	494.3	508.0	524.8	540.1	565.3	605.7	691.9	787.2	913.1	1031.3	1077.9
47.5°	441.7	454.6	471.4	476.0	492.8	530.9	583.6	666.7	784.2	901.7	989.4
50°	397.4	408.1	419.6	427.9	435.6	466.8	506.5	576.7	670.5	784.2	893.3
52.5°	363.1	370.7	380.6	385.2	392.1	415.0	445.5	497.4	574.4	678.2	784.2
55°	331.1	336.4	342.5	350.1	353.2	370.0	393.6	437.9	495.1	588.1	688.8
57.5°	301.3	303.6	307.4	312.0	315.8	330.3	350.9	380.6	431.0	502.7	598.1
60°	267.8	273.9	276.1	280.7	283.0	294.5	310.5	335.6	374.5	436.3	508.0
62.5°	239.5	243.3	247.2	249.4	254.8	258.6	271.6	294.5	326.5	372.3	437.1
65°	214.4	215.9	218.2	220.5	222.0	226.6	238.8	254.0	278.4	318.9	369.2
67.5°	185.4	186.9	189.9	190.7	192.2	198.3	205.2	218.2	238.8	269.3	310.5
70°	157.1	159.4	161.0	162.5	164.8	167.1	174.7	185.4	201.4	222.7	254.8
72.5°	132.7	135.0	135.0	136.5	135.8	138.8	146.5	154.1	164.8	182.3	210.5
75°	108.3	108.3	109.8	110.6	111.4	114.4	117.5	123.6	132.0	145.7	163.2
77.5°	85.4	84.7	86.2	86.2	86.2	88.5	91.5	94.6	99.9	109.8	123.6
80°	62.6	62.6	64.1	64.8	63.3	64.1	65.6	68.7	72.5	79.3	87.0
82.5°	41.2	44.2	43.5	44.2	43.5	45.0	45.8	46.5	48.1	51.1	56.4
85°	25.2	25.2	25.2	25.9	25.2	25.9	25.9	25.9	26.7	28.2	30.5
87.5°	10.7	10.7	10.7	11.4	10.7	10.7	11.4	10.7	11.4	11.4	12.2
90°	10.3	10.0	10.3	10.0	9.6	9.2	8.9	8.5	8.9	7.8	6.8
92.5°	19.2	20.6	21.3	22.6	23.8	27.4	35.2	49.4	66.1	73.2	54.7
95°	45.1	48.3	55.1	61.5	67.9	86.7	128.0	171.0	210.8	187.7	129.4
97.5°	97.1	110.6	134.4	154.6	174.9	221.8	294.0	335.2	324.2	242.1	144.0
100°	236.4	262.4	298.3	323.6	348.8	390.3	419.1	406.7	336.7	227.5	134.0
102.5°	374.3	393.5	419.5	433.2	446.9	466.8	460.7	410.3	313.6	206.2	125.5
105°	465.4	478.9	495.2	499.8	504.5	497.7	462.2	387.9	285.8	189.5	122.3
107.5°	525.4	531.8	534.0	529.2	524.4	496.6	440.8	355.9	261.3	177.4	121.6
110°	555.3	552.5	542.5	530.0	517.6	472.8	407.4	326.0	241.0	171.0	123.4

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	557.4	547.1	526.9	510.0	493.1	441.5	374.3	300.0	227.5	167.4	126.9
115°	541.1	525.4	498.8	479.4	460.0	407.8	345.9	280.1	218.6	167.1	130.8
117.5°	511.9	494.5	466.8	446.7	426.6	378.6	323.9	267.0	212.6	167.4	135.8
120°	481.7	461.8	433.7	415.8	397.8	355.1	307.2	257.0	208.7	168.9	141.5
122.5°	449.4	431.9	407.8	391.5	375.1	336.3	294.0	248.9	206.2	171.4	146.8
125°	422.3	406.7	383.9	369.7	355.5	321.4	282.6	242.1	204.1	173.8	152.5
127.5°	399.2	385.7	365.1	352.0	338.8	307.5	272.3	235.7	203.0	176.7	157.1
130°	379.3	366.5	347.7	335.6	323.5	294.7	262.7	230.7	201.9	179.5	161.8
132.5°	361.9	349.1	331.7	320.3	308.9	282.6	253.8	226.1	201.6	181.7	166.0
135°	342.7	332.0	314.6	304.5	294.4	271.3	246.0	222.2	201.2	183.8	169.6
137.5°	324.6	313.6	298.6	289.6	280.5	259.9	238.5	218.6	200.5	185.2	172.4
140°	306.1	296.1	282.6	275.0	267.3	250.3	232.1	215.4	200.1	186.6	174.6
142.5°	287.6	279.1	268.1	261.7	255.3	241.0	226.1	212.6	199.4	187.7	176.7
145°	271.3	263.8	254.9	249.8	244.6	233.2	221.5	210.1	198.7	188.1	178.1
147.5°	256.7	251.3	244.2	240.5	236.8	227.2	217.6	207.6	197.7	188.1	179.2
150°	244.9	241.0	235.7	232.3	228.9	221.5	213.3	205.1	196.2	188.1	179.5
152.5°	235.3	231.8	227.9	225.2	222.5	216.1	209.4	202.3	194.5	187.0	180.2
155°	226.8	224.0	220.8	218.6	216.5	211.2	205.5	199.4	192.3	186.3	180.2
157.5°	219.0	216.9	214.0	212.2	210.5	206.2	201.2	196.2	190.6	185.2	180.6
160°	212.2	210.1	207.6	206.4	205.1	201.6	197.7	193.0	188.4	184.5	180.6
162.5°	205.1	203.3	201.9	200.9	199.8	196.6	193.4	189.8	186.3	183.1	180.2
165°	199.1	197.7	196.2	195.4	194.5	192.0	189.8	187.0	184.2	181.7	179.5
167.5°	193.0	192.0	191.3	190.6	189.8	188.4	186.6	184.2	182.0	180.2	179.2
170°	187.7	187.0	186.6	186.2	185.9	184.5	183.4	181.7	179.9	178.8	178.1
172.5°	183.4	182.7	182.7	182.6	182.4	181.3	180.6	179.2	178.1	177.8	177.8
175°	179.5	179.2	179.2	179.2	179.2	178.5	178.1	177.4	176.7	176.7	177.0
177.5°	177.0	176.7	177.0	177.0	177.0	176.7	176.3	176.0	175.6	176.0	176.7
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	808.6	806.3	806.3	804.8	800.2	791.8	791.0	792.6	788.0	783.4	776.6
5°	848.3	833.8	829.2	824.6	815.5	800.2	794.1	788.8	780.4	770.5	759.8
7.5°	881.8	861.2	855.1	846.7	828.4	807.1	793.3	781.9	770.5	756.7	743.8
10°	923.8	894.0	879.5	867.3	842.2	812.4	791.8	775.0	756.7	739.9	723.2
12.5°	971.1	923.0	918.4	888.7	859.7	815.5	790.3	765.9	741.5	720.9	703.3
15°	1010.7	958.1	939.0	919.2	863.5	808.6	784.2	756.7	728.5	706.4	680.4
17.5°	1035.9	992.4	952.0	925.3	867.3	818.5	771.2	739.9	710.2	679.7	658.3
20°	1066.4	1003.1	968.0	932.2	875.0	810.9	763.6	724.7	688.1	660.6	634.7
22.5°	1096.9	1011.5	982.5	943.6	876.5	803.3	749.9	711.0	669.0	641.5	613.3
25°	1093.9	1023.7	975.7	942.9	861.2	796.4	733.8	688.1	649.2	614.1	585.8
27.5°	1096.2	1010.0	961.2	923.0	850.5	786.5	717.1	669.0	628.6	592.0	562.2
30°	1096.9	989.4	946.7	900.9	830.7	762.8	698.0	649.2	606.4	566.8	540.1
32.5°	1094.7	972.6	919.2	878.0	799.4	739.9	675.9	624.0	580.5	543.9	518.7
35°	1089.3	952.8	891.0	839.1	767.4	707.1	655.3	601.9	555.3	521.8	492.8
37.5°	1074.8	931.4	861.2	810.1	730.0	669.0	623.2	579.0	534.0	494.3	469.9
40°	1064.1	902.4	831.5	775.8	689.6	630.1	592.0	550.0	505.8	469.9	446.3
42.5°	1039.7	875.0	801.0	734.6	649.9	588.9	553.0	519.5	481.3	446.3	424.9
45°	1000.1	845.2	763.6	696.5	606.4	548.5	515.7	488.2	454.6	421.1	399.7
47.5°	944.4	802.5	723.9	656.8	563.7	505.0	472.2	451.6	424.9	396.7	378.4
50°	884.1	756.0	683.5	617.1	522.5	465.3	433.3	414.2	396.7	370.7	353.2
52.5°	805.5	706.4	637.0	573.6	478.3	423.4	395.1	381.4	363.1	344.8	329.5
55°	729.3	642.3	585.1	524.8	434.8	383.7	356.2	341.7	331.1	315.8	303.6
57.5°	640.8	582.8	530.2	475.2	394.4	347.8	321.9	304.4	297.5	290.6	279.2
60°	559.2	514.9	472.2	426.4	352.4	310.5	285.3	271.6	264.7	260.1	252.5
62.5°	484.4	450.1	413.5	376.8	309.7	271.6	252.5	238.8	232.7	231.9	225.0
65°	412.7	388.3	358.5	322.7	270.0	236.5	218.2	209.8	202.9	202.9	197.6
67.5°	341.0	324.2	300.6	275.4	234.2	202.9	186.1	178.5	174.7	174.7	170.9
70°	283.8	272.3	251.0	228.8	193.0	169.3	156.4	149.5	147.2	148.0	144.9
72.5°	230.4	218.2	200.6	184.6	157.9	140.4	131.2	123.6	119.8	120.5	119.8
75°	178.5	172.4	157.1	144.9	123.6	111.4	103.0	99.2	96.1	96.9	95.4
77.5°	134.3	125.1	116.7	108.3	95.4	85.4	78.6	74.8	72.5	72.5	72.5
80°	91.5	90.0	83.1	78.6	67.9	60.3	54.9	54.2	51.9	51.9	51.9
82.5°	59.5	55.7	51.9	48.8	42.7	38.1	35.9	34.3	33.6	32.8	34.3
85°	32.8	30.5	29.0	25.9	23.6	21.4	19.1	18.3	17.5	18.3	17.5
87.5°	13.0	10.7	10.7	9.9	9.2	8.4	8.4	6.9	6.9	6.1	6.1
90°	5.7	4.6	4.2	3.9	3.2	2.1	1.4	0.7	1.4	2.1	3.2
92.5°	35.9	24.5	21.3	18.1	14.6	11.4	7.8	5.3	7.8	11.4	14.6
95°	76.4	46.2	39.3	32.4	23.1	17.1	13.2	12.1	13.2	17.1	23.1
97.5°	82.5	52.6	45.0	37.3	28.1	22.8	19.6	19.2	19.6	22.8	28.1
100°	81.4	56.5	49.6	42.7	34.1	29.2	26.7	26.3	26.7	29.2	34.1
102.5°	82.8	61.1	54.9	48.7	41.2	36.6	34.5	33.8	34.5	36.6	41.2
105°	85.7	66.5	61.0	55.5	48.7	44.4	42.3	41.2	42.3	44.4	48.7
107.5°	90.3	73.2	68.0	62.9	56.5	52.3	50.1	49.1	50.1	52.3	56.5
110°	96.3	80.3	75.4	70.4	64.3	60.4	58.7	57.6	58.7	60.4	64.3

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	102.4	87.8	83.0	78.2	72.2	68.3	66.5	65.4	66.5	68.3	72.2
115°	109.1	95.6	90.8	86.0	80.0	76.4	74.3	72.9	74.3	76.4	80.0
117.5°	116.3	102.7	98.3	93.9	87.1	83.9	82.1	80.3	82.1	83.9	87.1
120°	123.0	110.2	105.8	101.3	94.6	91.0	89.2	88.2	89.2	91.0	94.6
122.5°	130.1	117.7	112.9	108.1	101.7	97.8	96.0	94.9	96.0	97.8	101.7
125°	136.9	124.4	119.6	114.8	108.1	104.2	102.0	101.3	102.0	104.2	108.1
127.5°	142.9	130.8	126.0	121.2	113.8	109.9	107.4	106.3	107.4	109.9	113.8
130°	148.2	136.5	131.7	126.9	119.4	115.2	112.0	110.9	112.0	115.2	119.4
132.5°	152.9	141.5	136.8	132.2	124.8	119.4	115.9	114.5	115.9	119.4	124.8
135°	157.5	146.5	141.7	136.9	129.4	124.1	120.2	118.7	120.2	124.1	129.4
137.5°	160.7	150.0	145.6	141.1	133.7	128.0	124.1	122.6	124.1	128.0	133.7
140°	163.9	153.6	149.1	144.7	137.6	131.9	128.3	126.6	128.3	131.9	137.6
142.5°	166.4	156.4	152.3	148.2	141.1	136.2	132.2	130.8	132.2	136.2	141.1
145°	168.5	159.3	155.2	151.1	145.0	139.7	136.5	135.4	136.5	139.7	145.0
147.5°	170.3	161.8	158.2	154.6	148.6	144.0	140.8	140.1	140.8	144.0	148.6
150°	172.1	163.9	160.7	157.5	152.5	147.9	145.0	144.7	145.0	147.9	152.5
152.5°	173.1	166.4	163.4	160.3	156.1	152.2	149.3	149.3	149.3	152.2	156.1
155°	174.6	168.5	166.0	163.5	159.6	156.1	153.9	153.9	153.9	156.1	159.6
157.5°	175.3	170.3	168.4	166.4	162.8	159.6	157.8	157.5	157.8	159.6	162.8
160°	176.3	172.1	170.3	168.5	166.0	163.2	161.8	161.8	161.8	163.2	166.0
162.5°	176.7	173.1	171.7	170.3	168.2	166.0	165.0	165.0	165.0	166.0	168.2
165°	177.0	174.2	173.0	171.7	170.3	168.5	167.8	168.2	167.8	168.5	170.3
167.5°	177.0	174.9	174.0	173.1	172.1	170.6	170.3	170.6	170.3	170.6	172.1
170°	176.7	174.9	174.6	174.2	173.5	172.4	172.1	172.8	172.1	172.4	173.5
172.5°	176.7	175.3	175.1	174.9	174.6	173.8	173.8	174.2	173.8	173.8	174.6
175°	176.3	175.6	175.4	175.3	175.3	174.6	174.9	175.3	174.9	174.6	175.3
177.5°	176.0	175.6	175.6	175.6	175.6	175.3	175.6	176.0	175.6	175.3	175.6
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	775.0	774.3	775.8	771.2	763.6	759.8	749.1	746.8	746.0	746.8	747.6
5°	753.7	752.9	750.6	743.0	733.8	727.0	714.0	713.2	708.7	704.1	706.4
7.5°	733.1	730.0	725.4	715.5	703.3	695.7	685.0	677.4	671.3	667.5	664.4
10°	712.5	707.9	703.3	690.4	675.1	663.7	650.7	644.6	637.7	634.7	631.6
12.5°	685.8	681.2	672.8	657.6	648.4	633.9	620.9	614.8	611.0	604.9	601.1
15°	664.4	655.3	650.7	634.7	615.6	614.1	590.4	588.9	581.3	581.3	575.2
17.5°	640.0	633.1	624.8	608.7	595.0	581.3	569.1	564.5	557.6	556.1	553.0
20°	616.4	607.2	604.2	588.1	573.6	556.9	543.9	539.3	536.3	533.2	535.5
22.5°	592.0	584.3	576.7	562.2	551.5	534.7	527.1	522.5	518.0	516.4	517.2
25°	568.3	561.4	553.8	539.3	527.9	514.1	507.3	505.0	502.7	502.7	501.9
27.5°	545.4	538.6	531.7	518.7	507.3	497.4	492.0	489.7	487.4	489.0	490.5
30°	521.8	515.7	509.6	498.1	489.0	479.8	476.8	475.2	474.5	478.3	478.3
32.5°	500.4	495.1	490.5	479.8	470.7	463.0	460.7	461.5	462.3	464.6	466.1
35°	478.3	474.5	469.9	460.7	453.1	446.3	447.0	447.0	448.5	452.4	455.4
37.5°	458.5	453.1	449.3	441.7	435.6	429.5	431.8	434.0	435.6	440.1	441.7
40°	434.8	432.5	429.5	421.8	416.5	415.7	416.5	418.0	421.1	423.4	425.7
42.5°	415.7	412.7	408.9	402.8	398.2	399.0	399.7	401.2	402.8	406.6	408.9
45°	394.4	392.1	389.0	383.7	379.9	380.6	381.4	381.4	382.9	387.5	389.0
47.5°	370.7	371.5	367.7	362.3	360.1	360.1	360.1	361.6	365.4	366.9	367.7
50°	347.8	346.3	345.6	340.2	338.7	337.9	338.7	339.5	344.8	344.0	346.3
52.5°	323.4	323.4	322.7	319.6	317.3	317.3	315.8	319.6	321.1	322.7	325.0
55°	299.8	297.5	296.7	295.2	292.2	291.4	292.9	297.5	299.0	300.6	302.8
57.5°	273.9	273.9	272.3	270.0	270.0	270.0	270.0	273.1	275.4	276.9	281.5
60°	250.2	247.2	244.9	244.9	244.9	244.1	248.7	248.7	253.3	254.0	255.5
62.5°	222.0	220.5	218.9	219.7	218.9	220.5	222.0	225.0	225.8	228.1	230.4
65°	195.3	195.3	193.8	198.3	195.3	195.3	199.1	199.1	200.6	202.9	206.0
67.5°	169.3	170.1	168.6	168.6	170.1	170.9	171.6	174.7	175.4	178.5	182.3
70°	142.6	144.2	144.9	143.4	144.9	146.5	148.0	148.8	151.8	153.3	155.6
72.5°	119.0	120.5	118.2	119.0	119.8	121.3	122.1	123.6	125.1	129.7	131.2
75°	95.4	94.6	93.8	96.9	95.4	98.4	99.2	99.2	100.7	104.5	106.0
77.5°	73.2	73.2	74.0	72.5	74.8	74.0	74.8	77.0	79.3	79.3	85.4
80°	51.1	52.6	52.6	52.6	53.4	54.2	52.6	56.4	57.2	57.2	59.5
82.5°	32.8	33.6	32.8	34.3	34.3	35.9	35.1	35.9	37.4	38.9	39.7
85°	17.5	17.5	19.1	19.1	18.3	19.1	18.3	19.1	20.6	20.6	21.4
87.5°	6.1	6.1	6.1	6.1	6.9	6.1	6.9	6.9	6.1	6.1	8.4
90°	3.9	4.2	4.6	5.7	6.8	7.8	8.9	8.5	8.9	9.2	9.6
92.5°	18.1	21.3	24.5	35.9	54.7	73.2	66.1	49.4	35.2	27.4	23.8
95°	32.4	39.3	46.2	76.4	129.4	187.7	210.8	171.0	128.0	86.7	67.9
97.5°	37.3	45.0	52.6	82.5	144.0	242.1	324.2	335.2	294.0	221.8	174.9
100°	42.7	49.6	56.5	81.4	134.0	227.5	336.7	406.7	419.1	390.3	348.8
102.5°	48.7	54.9	61.1	82.8	125.5	206.2	313.6	410.3	460.7	466.8	446.9
105°	55.5	61.0	66.5	85.7	122.3	189.5	285.8	387.9	462.2	497.7	504.5
107.5°	62.9	68.0	73.2	90.3	121.6	177.4	261.3	355.9	440.8	496.6	524.4
110°	70.4	75.4	80.3	96.3	123.4	171.0	241.0	326.0	407.4	472.8	517.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	78.2	83.0	87.8	102.4	126.9	167.4	227.5	300.0	374.3	441.5	493.1
115°	86.0	90.8	95.6	109.1	130.8	167.1	218.6	280.1	345.9	407.8	460.0
117.5°	93.9	98.3	102.7	116.3	135.8	167.4	212.6	267.0	323.9	378.6	426.6
120°	101.3	105.8	110.2	123.0	141.5	168.9	208.7	257.0	307.2	355.1	397.8
122.5°	108.1	112.9	117.7	130.1	146.8	171.4	206.2	248.9	294.0	336.3	375.1
125°	114.8	119.6	124.4	136.9	152.5	173.8	204.1	242.1	282.6	321.4	355.5
127.5°	121.2	126.0	130.8	142.9	157.1	176.7	203.0	235.7	272.3	307.5	338.8
130°	126.9	131.7	136.5	148.2	161.8	179.5	201.9	230.7	262.7	294.7	323.5
132.5°	132.2	136.8	141.5	152.9	166.0	181.7	201.6	226.1	253.8	282.6	308.9
135°	136.9	141.7	146.5	157.5	169.6	183.8	201.2	222.2	246.0	271.3	294.4
137.5°	141.1	145.6	150.0	160.7	172.4	185.2	200.5	218.6	238.5	259.9	280.5
140°	144.7	149.1	153.6	163.9	174.6	186.6	200.1	215.4	232.1	250.3	267.3
142.5°	148.2	152.3	156.4	166.4	176.7	187.7	199.4	212.6	226.1	241.0	255.3
145°	151.1	155.2	159.3	168.5	178.1	188.1	198.7	210.1	221.5	233.2	244.6
147.5°	154.6	158.2	161.8	170.3	179.2	188.1	197.7	207.6	217.6	227.2	236.8
150°	157.5	160.7	163.9	172.1	179.5	188.1	196.2	205.1	213.3	221.5	228.9
152.5°	160.3	163.4	166.4	173.1	180.2	187.0	194.5	202.3	209.4	216.1	222.5
155°	163.5	166.0	168.5	174.6	180.2	186.3	192.3	199.4	205.5	211.2	216.5
157.5°	166.4	168.4	170.3	175.3	180.6	185.2	190.6	196.2	201.2	206.2	210.5
160°	168.5	170.3	172.1	176.3	180.6	184.5	188.4	193.0	197.7	201.6	205.1
162.5°	170.3	171.7	173.1	176.7	180.2	183.1	186.3	189.8	193.4	196.6	199.8
165°	171.7	173.0	174.2	177.0	179.5	181.7	184.2	187.0	189.8	192.0	194.5
167.5°	173.1	174.0	174.9	177.0	179.2	180.2	182.0	184.2	186.6	188.4	189.8
170°	174.2	174.6	174.9	176.7	178.1	178.8	179.9	181.7	183.4	184.5	185.9
172.5°	174.9	175.1	175.3	176.7	177.8	177.8	178.1	179.2	180.6	181.3	182.4
175°	175.3	175.4	175.6	176.3	177.0	176.7	176.7	177.4	178.1	178.5	179.2
177.5°	175.6	175.6	175.6	176.0	176.7	176.0	175.6	176.0	176.3	176.7	177.0
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	746.8	747.6	744.5	742.2	748.3	744.5	744.5	745.3	743.8	746.0	745.3
5°	704.8	705.6	700.3	701.8	698.7	698.0	697.2	701.8	701.0	700.3	701.8
7.5°	663.7	663.7	661.4	659.8	659.8	657.6	660.6	659.8	661.4	661.4	663.7
10°	629.3	630.9	627.0	623.2	622.5	623.2	623.2	624.0	624.8	630.1	629.3
12.5°	601.1	598.8	598.1	595.8	592.0	590.4	588.9	597.3	595.0	595.0	595.0
15°	569.8	575.2	574.4	567.5	566.0	569.1	567.5	567.5	575.2	574.4	573.6
17.5°	553.0	551.5	550.0	546.2	546.9	546.2	546.9	546.9	551.5	551.5	551.5
20°	534.0	530.9	530.9	529.4	529.4	527.1	530.2	530.9	534.0	534.0	534.7
22.5°	517.2	514.9	514.9	514.1	515.7	512.6	515.7	516.4	516.4	518.7	518.7
25°	502.7	501.2	501.2	502.7	502.7	502.7	502.7	505.8	503.5	504.2	503.5
27.5°	489.7	490.5	491.3	492.0	491.3	492.0	492.8	494.3	495.1	494.3	492.8
30°	477.5	479.8	480.6	480.6	482.1	482.9	483.6	483.6	484.4	482.1	483.6
32.5°	468.4	468.4	469.9	470.7	472.2	473.0	473.0	474.5	473.7	471.4	472.2
35°	455.4	455.4	458.5	460.0	462.3	461.5	462.3	462.3	463.0	461.5	459.2
37.5°	442.4	444.0	444.0	447.0	447.8	448.5	447.8	449.3	448.5	447.0	446.3
40°	427.2	426.4	427.2	429.5	430.2	430.2	430.2	431.8	431.8	431.8	431.0
42.5°	408.1	410.4	409.6	411.9	411.2	411.2	412.7	414.2	415.0	412.7	413.5
45°	389.8	389.8	391.3	391.3	392.1	392.1	395.1	393.6	395.1	393.6	394.4
47.5°	370.0	370.7	370.7	371.5	373.0	374.5	373.0	373.8	373.8	374.5	373.0
50°	347.8	347.8	349.4	351.7	354.7	353.2	352.4	355.5	353.2	353.2	351.7
52.5°	325.0	327.3	328.0	330.3	332.6	333.4	334.1	332.6	333.4	331.1	331.8
55°	302.8	303.6	306.7	308.9	311.2	311.2	310.5	311.2	312.0	308.9	308.9
57.5°	280.7	283.0	286.1	286.1	289.1	289.1	288.3	288.3	289.1	286.8	286.1
60°	257.1	259.4	263.2	263.2	267.8	268.5	267.0	265.5	265.5	263.2	263.9
62.5°	231.9	234.2	236.5	240.3	243.3	241.8	244.9	241.8	242.6	238.0	238.0
65°	209.8	210.5	214.4	218.2	218.2	219.7	218.2	218.9	216.6	216.6	213.6
67.5°	183.8	183.8	187.7	191.5	195.3	195.3	195.3	193.0	193.0	190.7	190.7
70°	161.0	160.2	164.0	166.3	168.6	169.3	167.8	167.1	165.5	163.2	162.5
72.5°	132.7	134.3	138.1	139.6	143.4	142.6	146.5	141.9	141.9	138.1	137.3
75°	107.6	109.1	112.9	115.2	117.5	117.5	119.8	117.5	114.4	112.9	112.1
77.5°	85.4	84.7	87.7	91.5	92.3	91.5	93.1	92.3	89.3	89.3	87.7
80°	61.0	63.3	66.4	65.6	68.7	67.9	67.9	66.4	66.4	64.1	65.6
82.5°	40.4	42.7	43.5	42.7	43.5	45.0	45.8	45.0	45.0	43.5	44.2
85°	21.4	21.4	22.9	23.6	22.9	22.9	23.6	25.9	24.4	22.9	24.4
87.5°	6.9	6.1	6.1	6.9	6.1	6.1	6.9	6.9	7.6	7.6	7.6
90°	10.0	10.3	10.0	10.3	10.7	10.3	10.7	10.3	10.0	10.3	10.0
92.5°	22.6	21.3	20.6	19.2	19.6	18.8	19.6	19.2	20.6	21.3	22.6
95°	61.5	55.1	48.3	45.1	42.7	41.2	42.7	45.1	48.3	55.1	61.5
97.5°	154.6	134.4	110.6	97.1	88.5	84.6	88.5	97.1	110.6	134.4	154.6
100°	323.6	298.3	262.4	236.4	222.5	222.9	222.5	236.4	262.4	298.3	323.6
102.5°	433.2	419.5	393.5	374.3	363.3	353.0	363.3	374.3	393.5	419.5	433.2
105°	499.8	495.2	478.9	465.4	454.0	452.2	454.0	465.4	478.9	495.2	499.8
107.5°	529.2	534.0	531.8	525.4	520.8	516.9	520.8	525.4	531.8	534.0	529.2
110°	530.0	542.5	552.5	555.3	554.6	553.9	554.6	555.3	552.5	542.5	530.0

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	510.0	526.9	547.1	557.4	561.0	561.3	561.0	557.4	547.1	526.9	510.0
115°	479.4	498.8	525.4	541.1	548.2	550.0	548.2	541.1	525.4	498.8	479.4
117.5°	446.7	466.8	494.5	511.9	522.6	525.1	522.6	511.9	494.5	466.8	446.7
120°	415.8	433.7	461.8	481.7	490.2	492.4	490.2	481.7	461.8	433.7	415.8
122.5°	391.5	407.8	431.9	449.4	459.0	461.8	459.0	449.4	431.9	407.8	391.5
125°	369.7	383.9	406.7	422.3	431.2	433.7	431.2	422.3	406.7	383.9	369.7
127.5°	352.0	365.1	385.7	399.2	407.4	409.5	407.4	399.2	385.7	365.1	352.0
130°	335.6	347.7	366.5	379.3	386.8	389.6	386.8	379.3	366.5	347.7	335.6
132.5°	320.3	331.7	349.1	361.9	368.3	370.1	368.3	361.9	349.1	331.7	320.3
135°	304.5	314.6	332.0	342.7	349.1	351.6	349.1	342.7	332.0	314.6	304.5
137.5°	289.6	298.6	313.6	324.6	329.9	332.0	329.9	324.6	313.6	298.6	289.6
140°	275.0	282.6	296.1	306.1	311.8	311.4	311.8	306.1	296.1	282.6	275.0
142.5°	261.7	268.1	279.1	287.6	292.6	292.2	292.6	287.6	279.1	268.1	261.7
145°	249.8	254.9	263.8	271.3	274.1	274.8	274.1	271.3	263.8	254.9	249.8
147.5°	240.5	244.2	251.3	256.7	259.5	259.9	259.5	256.7	251.3	244.2	240.5
150°	232.3	235.7	241.0	244.9	247.1	247.1	247.1	244.9	241.0	235.7	232.3
152.5°	225.2	227.9	231.8	235.3	236.4	236.4	236.4	235.3	231.8	227.9	225.2
155°	218.6	220.8	224.0	226.8	227.5	227.9	227.5	226.8	224.0	220.8	218.6
157.5°	212.2	214.0	216.9	219.0	219.7	219.7	219.7	219.0	216.9	214.0	212.2
160°	206.4	207.6	210.1	212.2	212.2	211.9	212.2	212.2	210.1	207.6	206.4
162.5°	200.9	201.9	203.3	205.1	205.1	204.8	205.1	205.1	203.3	201.9	200.9
165°	195.4	196.2	197.7	199.1	198.7	198.7	198.7	199.1	197.7	196.2	195.4
167.5°	190.6	191.3	192.0	193.0	192.7	192.7	192.7	193.0	192.0	191.3	190.6
170°	186.2	186.6	187.0	187.7	187.4	187.4	187.4	187.7	187.0	186.6	186.2
172.5°	182.6	182.7	182.7	183.4	182.7	182.4	182.7	183.4	182.7	182.7	182.6
175°	179.2	179.2	179.2	179.5	179.2	178.8	179.2	179.5	179.2	179.2	179.2
177.5°	177.0	177.0	176.7	177.0	176.3	176.3	176.3	177.0	176.7	177.0	177.0
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2	787.2
2.5°	747.6	749.1	749.9	746.8	744.5	748.3	753.7	757.5	760.5	764.3	766.6
5°	703.3	708.7	708.7	710.2	712.5	716.3	726.2	733.1	739.2	743.8	747.6
7.5°	665.9	669.8	672.0	675.9	679.7	685.0	696.5	706.4	715.5	720.9	727.0
10°	632.4	635.4	639.2	641.5	648.4	656.0	670.5	678.9	689.6	698.0	705.6
12.5°	600.3	611.0	613.3	612.5	618.7	627.0	641.5	654.5	665.9	674.3	682.7
15°	577.5	581.3	585.8	585.1	598.1	600.3	612.5	627.8	643.1	648.4	656.0
17.5°	552.3	558.4	563.0	565.3	569.1	577.5	588.9	600.3	620.2	620.9	640.8
20°	532.5	538.6	541.6	544.7	546.9	556.9	566.8	579.7	595.8	604.2	614.8
22.5°	519.5	522.5	524.8	527.1	530.2	535.5	547.7	562.2	572.9	582.0	588.9
25°	504.2	507.3	510.3	511.9	514.1	517.2	526.3	537.8	553.0	559.2	566.0
27.5°	493.5	493.5	495.1	495.1	498.1	501.2	508.0	518.7	530.9	538.6	547.7
30°	482.1	481.3	482.1	481.3	480.6	485.2	491.3	500.4	508.8	518.0	524.1
32.5°	470.7	469.9	469.9	470.7	467.6	469.9	473.0	481.3	490.5	495.1	501.9
35°	458.5	456.9	456.9	456.9	455.4	453.9	456.9	464.6	470.7	476.8	482.1
37.5°	446.3	444.0	444.0	442.4	440.9	438.6	438.6	444.7	453.1	455.4	462.3
40°	429.5	429.5	427.9	427.2	425.7	424.1	421.8	427.2	434.8	437.1	442.4
42.5°	412.7	410.4	409.6	409.6	409.6	407.3	405.8	409.6	414.2	418.0	421.1
45°	393.6	392.1	392.9	392.1	390.6	389.8	389.0	390.6	395.9	397.4	401.2
47.5°	373.0	372.3	372.3	371.5	370.7	371.5	368.4	372.3	373.8	375.3	378.4
50°	351.7	350.9	350.1	349.4	349.4	350.1	349.4	349.4	352.4	354.0	357.0
52.5°	330.3	328.0	328.0	327.3	327.3	325.7	327.3	328.0	329.5	331.1	332.6
55°	307.4	307.4	305.1	305.1	303.6	303.6	304.4	303.6	306.7	308.2	308.2
57.5°	285.3	282.2	283.0	281.5	280.0	279.2	279.2	280.7	282.2	282.2	283.8
60°	261.6	258.6	257.8	254.8	256.3	254.0	254.8	254.8	257.8	256.3	257.8
62.5°	238.0	234.2	231.9	230.4	230.4	231.1	229.6	228.8	230.4	231.9	234.9
65°	212.8	210.5	208.3	206.0	206.0	205.2	206.7	204.4	203.7	204.4	206.0
67.5°	186.9	184.6	182.3	180.0	180.8	178.5	177.0	179.3	177.7	178.5	180.0
70°	161.7	160.2	155.6	154.1	153.3	154.1	153.3	151.8	154.1	153.3	154.1
72.5°	136.5	135.0	132.7	128.9	128.9	128.2	127.4	127.4	126.6	126.6	126.6
75°	112.1	109.1	106.8	106.0	104.5	103.7	103.0	101.5	102.2	103.0	101.5
77.5°	87.0	83.1	82.4	82.4	80.1	80.1	80.9	80.1	79.3	79.3	79.3
80°	64.1	61.0	61.0	59.5	58.0	58.0	58.0	58.0	57.2	56.4	57.2
82.5°	41.2	40.4	39.7	39.7	41.2	38.1	39.7	38.9	38.1	38.1	37.4
85°	22.9	23.6	22.9	23.6	22.1	22.9	22.9	22.9	22.1	22.9	21.4
87.5°	8.4	8.4	8.4	9.2	9.2	9.2	9.2	9.2	9.9	9.2	9.2
90°	9.6	9.2	8.9	8.5	8.9	7.8	6.8	5.7	4.6	4.2	3.9
92.5°	23.8	27.4	35.2	49.4	66.1	73.2	54.7	35.9	24.5	21.3	18.1
95°	67.9	86.7	128.0	171.0	210.8	187.7	129.4	76.4	46.2	39.3	32.4
97.5°	174.9	221.8	294.0	335.2	324.2	242.1	144.0	82.5	52.6	45.0	37.3
100°	348.8	390.3	419.1	406.7	336.7	227.5	134.0	81.4	56.5	49.6	42.7
102.5°	446.9	466.8	460.7	410.3	313.6	206.2	125.5	82.8	61.1	54.9	48.7
105°	504.5	497.7	462.2	387.9	285.8	189.5	122.3	85.7	66.5	61.0	55.5
107.5°	524.4	496.6	440.8	355.9	261.3	177.4	121.6	90.3	73.2	68.0	62.9
110°	517.6	472.8	407.4	326.0	241.0	171.0	123.4	96.3	80.3	75.4	70.4

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	493.1	441.5	374.3	300.0	227.5	167.4	126.9	102.4	87.8	83.0	78.2
115°	460.0	407.8	345.9	280.1	218.6	167.1	130.8	109.1	95.6	90.8	86.0
117.5°	426.6	378.6	323.9	267.0	212.6	167.4	135.8	116.3	102.7	98.3	93.9
120°	397.8	355.1	307.2	257.0	208.7	168.9	141.5	123.0	110.2	105.8	101.3
122.5°	375.1	336.3	294.0	248.9	206.2	171.4	146.8	130.1	117.7	112.9	108.1
125°	355.5	321.4	282.6	242.1	204.1	173.8	152.5	136.9	124.4	119.6	114.8
127.5°	338.8	307.5	272.3	235.7	203.0	176.7	157.1	142.9	130.8	126.0	121.2
130°	323.5	294.7	262.7	230.7	201.9	179.5	161.8	148.2	136.5	131.7	126.9
132.5°	308.9	282.6	253.8	226.1	201.6	181.7	166.0	152.9	141.5	136.8	132.2
135°	294.4	271.3	246.0	222.2	201.2	183.8	169.6	157.5	146.5	141.7	136.9
137.5°	280.5	259.9	238.5	218.6	200.5	185.2	172.4	160.7	150.0	145.6	141.1
140°	267.3	250.3	232.1	215.4	200.1	186.6	174.6	163.9	153.6	149.1	144.7
142.5°	255.3	241.0	226.1	212.6	199.4	187.7	176.7	166.4	156.4	152.3	148.2
145°	244.6	233.2	221.5	210.1	198.7	188.1	178.1	168.5	159.3	155.2	151.1
147.5°	236.8	227.2	217.6	207.6	197.7	188.1	179.2	170.3	161.8	158.2	154.6
150°	228.9	221.5	213.3	205.1	196.2	188.1	179.5	172.1	163.9	160.7	157.5
152.5°	222.5	216.1	209.4	202.3	194.5	187.0	180.2	173.1	166.4	163.4	160.3
155°	216.5	211.2	205.5	199.4	192.3	186.3	180.2	174.6	168.5	166.0	163.5
157.5°	210.5	206.2	201.2	196.2	190.6	185.2	180.6	175.3	170.3	168.4	166.4
160°	205.1	201.6	197.7	193.0	188.4	184.5	180.6	176.3	172.1	170.3	168.5
162.5°	199.8	196.6	193.4	189.8	186.3	183.1	180.2	176.7	173.1	171.7	170.3
165°	194.5	192.0	189.8	187.0	184.2	181.7	179.5	177.0	174.2	173.0	171.7
167.5°	189.8	188.4	186.6	184.2	182.0	180.2	179.2	177.0	174.9	174.0	173.1
170°	185.9	184.5	183.4	181.7	179.9	178.8	178.1	176.7	174.9	174.6	174.2
172.5°	182.4	181.3	180.6	179.2	178.1	177.8	177.8	176.7	175.3	175.1	174.9
175°	179.2	178.5	178.1	177.4	176.7	176.7	177.0	176.3	175.6	175.4	175.3
177.5°	177.0	176.7	176.3	176.0	175.6	176.0	176.7	176.0	175.6	175.6	175.6
180°	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6	175.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	787.2	787.2	787.2	787.2
2.5°	770.5	772.7	780.4	789.5
5°	755.2	761.3	772.0	786.5
7.5°	738.4	747.6	762.8	781.1
10°	719.3	732.3	751.4	774.3
12.5°	698.7	715.5	739.9	763.6
15°	685.8	702.6	724.7	750.6
17.5°	660.6	680.4	703.3	739.9
20°	634.7	656.8	686.5	723.2
22.5°	614.8	638.5	666.7	705.6
25°	591.2	615.6	646.1	686.5
27.5°	566.0	590.4	624.8	667.5
30°	546.9	570.6	603.4	649.2
32.5°	524.1	546.9	581.3	629.3
35°	498.1	524.1	556.9	605.7
37.5°	478.3	501.9	536.3	582.8
40°	456.9	477.5	511.1	556.9
42.5°	434.0	456.9	485.9	531.7
45°	412.7	429.5	459.2	502.7
47.5°	389.8	408.9	431.8	465.3
50°	365.4	381.4	406.6	429.5
52.5°	341.7	354.7	376.1	393.6
55°	316.6	329.5	345.6	356.2
57.5°	292.9	302.1	312.8	319.6
60°	263.9	273.1	280.0	286.8
62.5°	238.0	244.9	248.7	252.5
65°	211.3	215.1	217.4	220.5
67.5°	182.3	186.1	186.9	191.5
70°	155.6	156.4	157.9	160.2
72.5°	130.4	132.0	131.2	132.7
75°	104.5	106.0	104.5	106.0
77.5°	79.3	80.9	80.9	83.1
80°	57.2	58.0	58.7	58.7
82.5°	37.4	39.7	38.1	38.9
85°	21.4	22.1	22.1	22.9
87.5°	9.9	10.7	9.9	11.4
90°	3.2	2.1	1.4	0.7
92.5°	14.6	11.4	7.8	5.3
95°	23.1	17.1	13.2	12.1
97.5°	28.1	22.8	19.6	19.2
100°	34.1	29.2	26.7	26.3
102.5°	41.2	36.6	34.5	33.8
105°	48.7	44.4	42.3	41.2
107.5°	56.5	52.3	50.1	49.1
110°	64.3	60.4	58.7	57.6

TEST NUMBER: P1011777

CATALOG NUMBER: S123DIP-B560D365UB30-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	72.2	68.3	66.5	65.4
115°	80.0	76.4	74.3	72.9
117.5°	87.1	83.9	82.1	80.3
120°	94.6	91.0	89.2	88.2
122.5°	101.7	97.8	96.0	94.9
125°	108.1	104.2	102.0	101.3
127.5°	113.8	109.9	107.4	106.3
130°	119.4	115.2	112.0	110.9
132.5°	124.8	119.4	115.9	114.5
135°	129.4	124.1	120.2	118.7
137.5°	133.7	128.0	124.1	122.6
140°	137.6	131.9	128.3	126.6
142.5°	141.1	136.2	132.2	130.8
145°	145.0	139.7	136.5	135.4
147.5°	148.6	144.0	140.8	140.1
150°	152.5	147.9	145.0	144.7
152.5°	156.1	152.2	149.3	149.3
155°	159.6	156.1	153.9	153.9
157.5°	162.8	159.6	157.8	157.5
160°	166.0	163.2	161.8	161.8
162.5°	168.2	166.0	165.0	165.0
165°	170.3	168.5	167.8	168.2
167.5°	172.1	170.6	170.3	170.6
170°	173.5	172.4	172.1	172.8
172.5°	174.6	173.8	173.8	174.2
175°	175.3	174.6	174.9	175.3
177.5°	175.6	175.3	175.6	176.0
180°	175.6	175.6	175.6	175.6

(END OF REPORT)