

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: P1011828

Luminaire Tested: S123DIP-B560D585UB35-4F0-XX-W2A-A4

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1011828
REPORT IS A COMBINATION OF REPORTS P990134 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIP-B560D585UB35-4F0-XX-W2A-A4
Description: Define 3 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

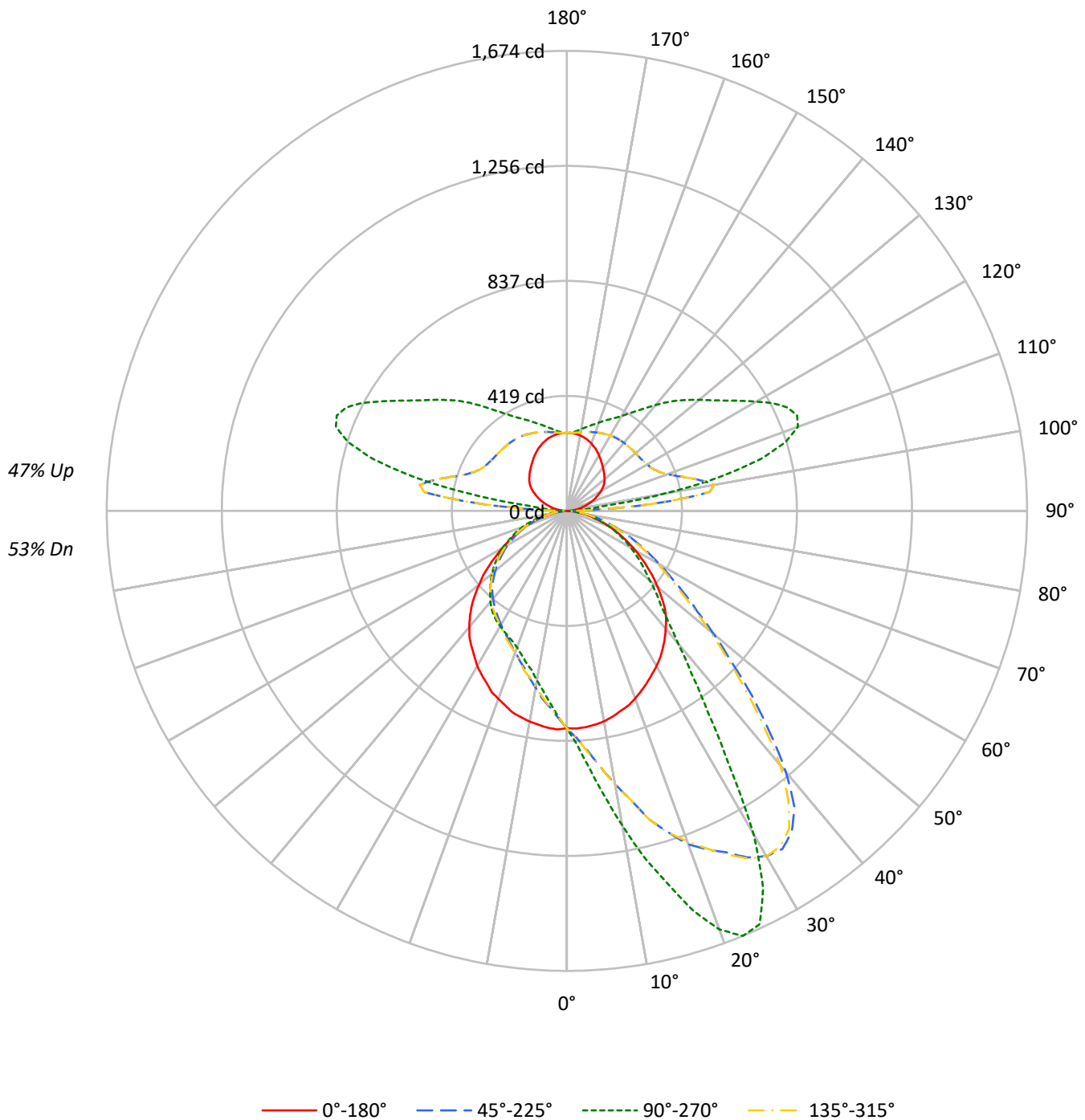
Lumens per Lamp: N/A
Luminaire Lumens: 4520.0 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 39.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59
1	99	94	91	87	91	88	84	81	75	73	70	63	62	60	52	51	50
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	46	44	43
3	82	73	66	60	76	68	62	57	58	54	50	50	46	43	41	39	37
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32
5	69	58	50	44	64	54	47	41	47	41	37	40	36	32	33	30	28
6	64	52	44	38	59	49	41	36	42	36	32	36	32	28	30	27	25
7	59	47	39	33	55	44	37	32	38	33	28	33	28	25	28	24	22
8	55	43	35	30	51	40	33	28	35	29	25	30	26	22	26	22	20
9	51	39	31	26	47	37	30	25	32	26	23	28	23	20	24	20	18
10	48	36	29	24	44	34	27	23	29	24	20	26	21	18	22	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8509	8509	8509	8509
5°	8515	9805	8540	7317
10°	8461	11865	8469	6390
15°	8344	14071	8412	5752
20°	8243	16200	8260	5292
25°	8093	16608	8112	5053
30°	7987	13721	7987	4896
35°	7854	9177	7805	4758
40°	7696	6625	7601	4545
45°	7497	5247	7282	4281
50°	7013	4457	6765	4022
55°	6481	3916	6219	3732
60°	5943	3409	5627	3429
65°	5352	2920	5093	3024
70°	4738	2423	4420	2550
75°	4051	1827	3789	1969
80°	3203	1219	2953	1293
85°	2209	561	1767	510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 13723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	1.7
10°-20°	249.7	5.5
20°-30°	420.2	9.3
30°-40°	474.8	10.5
40°-50°	425.3	9.4
50°-60°	343.3	7.6
60°-70°	239.2	5.3
70°-80°	125.6	2.8
80°-90°	31.7	0.7
90°-100°	153.8	3.4
100°-110°	450.4	10.0
110°-120°	439.8	9.7
120°-130°	350.3	7.7
130°-140°	276.4	6.1
140°-150°	206.2	4.6
150°-160°	143.7	3.2
160°-170°	84.4	1.9
170°-180°	27.5	0.6
0°-30°	747.6	16.5
0°-40°	1222.5	27.0
0°-60°	1991.1	44.1
0°-90°	2387.6	52.8
90°-120°	1044.0	23.1
90°-150°	1876.8	41.5
90°-180°	2132.0	47.2
0°-180°	4520.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	790	790	790	790	790	
5°	790	939	792	701	790	75
15°	754	1398	760	572	754	213
25°	689	1659	691	505	689	318
35°	608	894	604	464	608	381
45°	505	483	490	394	505	386
55°	358	328	343	312	358	320
65°	221	213	211	221	221	220
75°	106	110	100	118	106	114
85°	23	25	18	23	23	26
90°	1	17	1	17	1	3
95°	20	67	20	67	20	21
105°	67	730	67	730	67	71
115°	118	888	118	888	118	116
125°	164	700	164	700	164	145
135°	192	568	192	568	192	148
145°	219	444	219	444	219	137
155°	248	368	248	368	248	114
165°	271	321	271	321	271	77
175°	283	289	283	289	283	27
180°	284	284	284	284	284	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	792.8	799.0	802.0	806.6	811.2	818.1	820.4	824.3	822.7	825.8	827.3
5°	789.8	800.5	809.7	821.2	831.9	839.6	847.2	859.5	868.7	870.2	877.1
7.5°	784.4	799.7	815.8	831.9	852.6	864.9	878.6	895.5	909.3	931.5	939.9
10°	777.5	799.0	822.0	844.2	872.5	891.7	908.5	936.9	965.2	988.2	1009.6
12.5°	766.8	793.6	823.5	856.4	893.2	915.4	938.4	975.9	1018.8	1054.1	1077.0
15°	753.8	787.5	825.8	861.0	901.6	943.0	967.5	1009.6	1070.9	1103.9	1162.8
17.5°	743.1	777.5	815.8	871.0	926.1	967.5	985.1	1062.5	1104.6	1159.8	1226.4
20°	726.2	769.9	818.9	874.0	945.3	970.6	1006.6	1084.7	1136.8	1208.8	1290.8
22.5°	708.6	755.3	814.3	871.7	951.4	978.2	1027.3	1089.3	1172.0	1243.3	1333.7
25°	689.4	740.0	799.7	867.9	946.1	985.1	1031.1	1107.7	1197.3	1286.9	1370.4
27.5°	670.3	725.4	787.5	855.7	931.5	977.5	1023.4	1103.1	1218.0	1315.3	1421.8
30°	651.9	707.0	769.1	838.8	918.5	962.9	1006.6	1106.2	1234.1	1343.6	1450.9
32.5°	632.0	688.7	753.8	812.0	892.4	939.9	989.0	1106.2	1244.0	1360.5	1458.5
35°	608.2	666.5	722.4	780.6	860.3	913.1	968.3	1098.5	1253.2	1365.8	1426.4
37.5°	585.3	636.6	684.8	741.5	825.0	881.7	945.3	1089.3	1248.6	1342.9	1359.7
40°	559.2	610.5	649.6	702.5	790.5	856.4	920.8	1077.0	1228.7	1288.5	1239.4
42.5°	533.9	574.5	608.2	659.6	755.3	819.7	889.4	1054.8	1189.7	1201.9	1091.6
45°	504.8	533.9	563.8	622.0	717.0	782.9	860.3	1022.7	1126.8	1091.6	952.2
47.5°	467.3	493.3	526.3	579.9	676.4	744.6	818.1	981.3	1035.7	962.1	809.7
50°	431.3	453.5	484.1	536.2	633.5	700.2	778.3	916.2	943.0	827.3	697.9
52.5°	395.3	412.1	442.0	494.1	591.4	655.7	727.0	849.5	834.2	710.1	595.2
55°	357.7	372.3	400.6	452.0	542.4	603.6	671.8	767.6	727.7	609.8	517.8
57.5°	321.0	336.3	365.4	408.3	493.3	553.1	607.5	682.5	622.8	528.6	447.4
60°	288.0	301.1	323.3	365.4	442.8	491.0	540.8	592.1	542.4	451.2	389.1
62.5°	253.6	265.8	286.5	324.8	391.4	434.3	474.2	516.3	461.2	394.5	339.4
65°	221.4	231.3	250.5	285.7	340.1	375.4	407.5	436.6	392.2	330.9	289.6
67.5°	192.3	200.7	216.8	248.2	294.2	319.4	345.5	370.0	332.5	283.4	248.2
70°	160.9	167.8	182.3	205.3	242.1	268.1	287.3	305.6	271.9	232.9	209.1
72.5°	133.3	140.2	149.4	173.1	198.4	214.5	235.2	245.1	226.0	193.8	170.1
75°	106.5	111.8	120.3	135.6	159.3	170.1	183.1	190.7	173.1	151.7	137.1
77.5°	83.5	85.8	91.9	102.6	118.7	131.0	141.0	145.5	133.3	119.5	107.2
80°	59.0	62.0	66.6	75.8	88.1	91.9	98.1	103.4	95.8	83.5	75.8
82.5°	39.1	42.9	45.2	49.0	56.7	61.3	62.8	67.4	60.5	55.9	52.9
85°	23.0	24.5	25.3	27.6	31.4	33.7	36.0	36.8	35.2	34.5	31.4
87.5°	11.5	11.5	11.5	13.0	13.8	15.3	16.1	16.1	16.1	15.3	14.6
90°	1.1	2.3	3.4	5.2	6.3	6.9	7.5	9.2	10.9	12.6	14.3
92.5°	8.6	12.6	18.4	23.5	29.3	34.4	39.6	58.0	88.4	118.2	106.7
95°	19.5	21.2	27.5	37.3	52.2	63.4	74.6	123.4	208.9	303.0	340.3
97.5°	31.0	31.6	36.7	45.3	60.3	72.6	84.9	133.1	232.4	390.8	523.4
100°	42.5	43.0	47.1	55.1	68.9	80.1	91.2	131.4	216.3	367.3	543.4
102.5°	54.5	55.7	59.1	66.6	78.6	88.6	98.7	133.7	202.6	332.8	506.1
105°	66.6	68.3	71.7	78.6	89.5	98.4	107.3	138.3	197.4	305.9	461.4
107.5°	79.2	80.9	84.4	91.2	101.6	109.9	118.2	145.8	196.3	286.4	421.8
110°	93.0	94.7	97.6	103.9	113.6	121.6	129.7	155.5	199.1	276.0	389.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	105.6	107.3	110.2	116.5	126.3	134.0	141.7	165.3	204.9	270.3	367.3
115°	117.6	119.9	123.4	129.1	138.9	146.6	154.4	176.2	211.2	269.7	352.9
117.5°	129.7	132.6	135.4	140.6	151.5	158.6	165.8	187.7	219.2	270.3	343.2
120°	142.3	144.0	146.9	152.6	163.6	170.8	177.9	198.6	228.4	272.6	336.9
122.5°	153.2	154.9	157.8	164.1	174.5	182.2	189.9	210.0	237.0	276.6	332.8
125°	163.6	164.7	168.1	174.5	185.4	193.2	200.9	220.9	246.2	280.6	329.4
127.5°	171.6	173.3	177.3	183.6	195.7	203.4	211.2	230.7	253.6	285.2	327.7
130°	179.0	180.8	185.9	192.8	204.9	212.6	220.4	239.3	261.1	289.8	326.0
132.5°	184.8	187.1	192.8	201.4	213.5	221.0	228.4	246.8	268.0	293.2	325.4
135°	191.7	194.0	200.3	208.9	220.9	228.6	236.4	254.2	273.7	296.7	324.8
137.5°	198.0	200.3	206.6	215.8	227.8	235.0	242.2	259.4	278.3	299.0	323.7
140°	204.3	207.2	212.9	222.1	233.6	240.8	247.9	264.6	281.8	301.3	323.1
142.5°	211.2	213.5	219.8	227.8	239.3	245.9	252.5	268.6	285.2	303.0	321.9
145°	218.6	220.4	225.5	234.1	243.9	250.5	257.1	272.0	287.5	303.6	320.8
147.5°	226.1	227.3	232.4	239.9	249.6	255.4	261.1	274.9	289.2	303.6	319.1
150°	233.6	234.1	238.7	246.2	254.2	259.4	264.6	277.8	289.8	303.6	316.8
152.5°	241.0	241.0	245.6	251.9	258.8	263.7	268.6	279.5	290.9	301.9	313.9
155°	248.5	248.5	251.9	257.7	264.0	268.0	272.0	281.8	290.9	300.7	310.5
157.5°	254.2	254.8	257.7	262.8	268.6	271.8	274.9	282.9	291.5	299.0	307.6
160°	261.1	261.1	263.4	268.0	272.0	274.9	277.8	284.6	291.5	297.8	304.1
162.5°	266.3	266.3	268.0	271.4	274.9	277.2	279.5	285.2	290.9	295.5	300.7
165°	271.4	270.9	272.0	274.9	277.2	279.2	281.2	285.8	289.8	293.2	297.3
167.5°	275.5	274.9	275.5	277.8	279.5	280.9	282.3	285.8	289.2	290.9	293.8
170°	278.9	277.8	278.3	280.0	281.2	281.8	282.3	285.2	287.5	288.7	290.4
172.5°	281.2	280.6	280.6	281.8	282.3	282.6	282.9	285.2	286.9	286.9	287.5
175°	282.9	282.3	281.8	282.9	282.9	283.2	283.5	284.6	285.8	285.2	285.2
177.5°	284.1	283.5	282.9	283.5	283.5	283.5	283.5	284.1	285.2	284.1	283.5
180°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	832.7	834.2	839.6	843.4	851.1	850.3	850.3	849.5	847.2	851.1	853.4
5°	890.9	903.9	905.5	922.3	923.1	930.0	934.6	930.7	939.9	939.2	932.3
7.5°	962.9	980.5	989.0	1005.0	1023.4	1018.8	1036.4	1039.5	1038.0	1045.6	1051.0
10°	1041.8	1072.4	1093.9	1123.8	1131.4	1136.0	1147.5	1157.5	1177.4	1162.1	1172.0
12.5°	1132.2	1154.4	1182.8	1230.3	1254.0	1269.3	1274.7	1281.6	1295.4	1286.9	1287.7
15°	1208.0	1237.9	1286.2	1345.2	1352.1	1371.2	1366.6	1408.0	1427.9	1398.0	1414.9
17.5°	1286.9	1326.8	1384.2	1435.5	1464.7	1477.7	1489.9	1529.8	1528.2	1523.6	1527.5
20°	1337.5	1402.6	1473.9	1542.0	1550.5	1560.4	1593.4	1610.2	1607.1	1620.2	1628.6
22.5°	1408.7	1477.7	1553.5	1598.7	1617.9	1629.4	1655.4	1666.1	1670.7	1673.8	1668.4
25°	1468.5	1542.0	1597.9	1637.8	1649.3	1655.4	1663.8	1666.9	1664.6	1659.2	1663.8
27.5°	1509.1	1568.1	1606.4	1624.8	1618.6	1608.7	1592.6	1581.9	1558.1	1546.6	1560.4
30°	1525.9	1552.0	1563.5	1532.8	1502.2	1477.7	1447.0	1390.4	1345.9	1358.9	1341.3
32.5°	1499.1	1482.3	1427.1	1348.2	1324.5	1284.6	1198.1	1131.4	1133.7	1098.5	1113.0
35°	1420.2	1343.6	1239.4	1119.9	1088.5	1067.1	972.1	957.5	926.9	894.0	903.2
37.5°	1280.8	1169.0	1042.6	954.5	907.8	861.0	807.4	775.2	756.8	743.1	753.8
40°	1110.8	974.4	870.2	791.3	751.5	721.6	684.8	652.7	632.0	629.7	633.5
42.5°	943.8	828.8	733.1	658.0	645.0	609.8	586.0	560.7	554.6	544.7	550.0
45°	799.0	705.5	626.6	565.3	550.0	540.8	511.7	495.6	488.7	482.6	491.8
47.5°	694.0	596.0	538.5	501.8	486.4	471.1	455.0	444.3	438.9	439.7	438.9
50°	592.9	520.9	470.3	442.0	432.8	422.1	409.1	402.2	399.9	393.0	398.3
52.5°	510.2	458.1	422.9	396.0	389.1	381.5	370.8	366.9	361.6	360.0	360.0
55°	443.5	402.9	374.6	357.0	348.5	342.4	336.3	331.7	327.9	327.9	327.9
57.5°	391.4	356.2	335.5	320.2	317.1	311.0	304.1	304.1	298.8	298.0	300.3
60°	347.0	315.6	299.5	286.5	281.9	280.4	273.5	273.5	271.9	268.1	271.2
62.5°	301.8	278.8	265.0	255.1	250.5	250.5	245.1	241.3	241.3	242.1	240.5
65°	260.5	243.6	231.3	223.7	221.4	218.3	217.6	214.5	212.2	213.0	212.2
67.5°	223.7	210.7	202.2	196.1	192.3	190.7	188.4	188.4	186.9	187.7	183.8
70°	190.7	177.7	170.8	164.7	163.2	163.2	160.1	160.9	159.3	161.6	160.1
72.5°	157.0	147.1	141.7	139.4	137.9	137.1	135.6	134.1	133.3	134.8	134.1
75°	127.2	118.7	114.9	113.4	111.8	111.8	111.1	110.3	109.5	109.5	109.5
77.5°	98.8	93.5	88.9	90.4	88.1	88.9	86.6	86.6	87.3	86.6	86.6
80°	72.8	68.9	68.9	67.4	64.3	65.9	65.9	63.6	62.8	64.3	62.0
82.5°	48.3	47.5	46.0	45.2	43.7	44.4	43.7	42.9	42.1	43.7	42.1
85°	28.3	28.3	27.6	26.0	27.6	26.8	26.0	26.0	25.3	25.3	25.3
87.5°	14.6	13.0	13.0	12.3	13.0	11.5	12.3	11.5	10.7	11.5	10.7
90°	13.8	14.3	14.9	15.5	16.0	16.6	16.1	16.6	17.2	16.6	17.2
92.5°	79.8	56.8	44.2	38.4	36.4	34.4	33.3	31.0	31.6	30.4	31.6
95°	276.0	206.6	140.0	109.6	99.2	88.9	78.0	72.9	68.9	66.6	68.9
97.5°	541.2	474.6	358.1	282.3	249.6	216.9	178.5	156.7	142.9	136.6	142.9
100°	656.5	676.6	630.1	563.0	522.2	481.5	423.5	381.6	359.2	359.8	359.2
102.5°	662.2	743.7	753.5	721.3	699.2	677.2	635.3	604.3	586.5	569.8	586.5
105°	626.1	746.0	803.4	814.3	806.8	799.4	773.0	751.2	732.8	730.0	732.8
107.5°	574.4	711.6	801.7	846.4	854.2	861.9	858.5	848.2	840.7	834.4	840.7
110°	526.2	657.6	763.2	835.5	855.6	875.7	891.8	896.4	895.2	894.1	895.2

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	484.3	604.3	712.7	795.9	823.2	850.5	883.2	899.8	905.6	906.1	905.6
115°	452.2	558.4	658.2	742.6	773.8	805.1	848.2	873.4	884.9	887.8	884.9
117.5°	431.0	522.8	611.2	688.6	721.0	753.5	798.2	826.4	843.6	847.6	843.6
120°	414.9	495.8	573.3	642.2	671.2	700.1	745.4	777.6	791.4	794.8	791.4
122.5°	401.7	474.6	542.9	605.4	631.8	658.2	697.2	725.4	740.9	745.4	740.9
125°	390.8	456.2	518.8	573.9	596.8	619.8	656.5	681.8	696.1	700.1	696.1
127.5°	380.5	439.6	496.4	546.9	568.2	589.4	622.6	644.4	657.6	661.1	657.6
130°	372.4	424.1	475.7	522.2	541.7	561.2	591.7	612.3	624.4	629.0	624.4
132.5°	365.0	409.7	456.2	498.7	517.0	535.4	563.5	584.2	594.5	597.4	594.5
135°	358.7	397.1	437.9	475.2	491.6	507.9	536.0	553.2	563.5	567.6	563.5
137.5°	352.9	385.1	419.5	452.8	467.4	482.0	506.1	523.9	532.5	536.0	532.5
140°	347.8	374.7	404.0	431.5	443.8	456.2	478.0	494.1	503.3	502.7	503.3
142.5°	343.2	365.0	389.1	412.0	422.4	432.7	450.5	464.3	472.3	471.7	472.3
145°	339.2	357.5	376.5	394.8	403.2	411.5	425.8	437.9	442.4	443.6	442.4
147.5°	335.1	351.2	366.7	382.2	388.2	394.2	405.7	414.3	418.9	419.5	418.9
150°	331.1	344.3	357.5	369.6	375.0	380.5	389.1	395.4	398.8	398.8	398.8
152.5°	326.5	338.0	348.9	359.2	363.5	367.8	374.2	379.9	381.6	381.6	381.6
155°	321.9	331.7	340.9	349.5	353.0	356.4	361.5	366.1	367.3	367.8	367.3
157.5°	316.8	324.8	332.8	339.7	342.6	345.5	350.1	353.5	354.6	354.6	354.6
160°	311.6	319.1	325.4	331.1	333.1	335.1	339.2	342.6	342.6	342.0	342.6
162.5°	306.4	312.2	317.3	322.5	324.2	326.0	328.3	331.1	331.1	330.5	331.1
165°	301.9	306.4	309.9	313.9	315.4	316.8	319.1	321.4	320.8	320.8	320.8
167.5°	297.3	301.3	304.1	306.4	307.5	308.7	309.9	311.6	311.0	311.0	311.0
170°	293.2	296.1	297.8	300.1	300.7	301.3	301.9	303.0	302.4	302.4	302.4
172.5°	289.2	291.5	292.7	294.4	294.7	295.0	295.0	296.1	295.0	294.4	295.0
175°	286.4	287.5	288.1	289.2	289.2	289.2	289.2	289.8	289.2	288.7	289.2
177.5°	284.1	284.6	285.2	285.8	285.8	285.8	285.2	285.8	284.6	284.6	284.6
180°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	847.2	849.5	843.4	841.9	841.9	844.9	842.6	822.0	825.8	821.2	819.7
5°	940.7	936.1	930.0	926.9	923.1	912.3	911.6	887.8	883.2	867.9	861.0
7.5°	1043.3	1039.5	1021.1	1018.8	1017.3	1007.3	982.1	956.8	938.4	920.8	903.9
10°	1160.5	1149.1	1140.6	1123.8	1115.3	1101.6	1068.6	1044.9	1013.5	986.7	951.4
12.5°	1301.5	1288.5	1260.1	1247.9	1237.1	1198.8	1165.9	1139.1	1077.8	1059.4	1015.8
15°	1404.9	1377.3	1374.3	1347.5	1345.9	1303.8	1241.0	1211.9	1164.4	1097.0	1051.8
17.5°	1516.7	1492.2	1473.1	1440.9	1436.3	1396.5	1350.5	1279.3	1227.2	1162.8	1105.4
20°	1598.7	1585.7	1552.8	1539.7	1512.9	1479.2	1431.7	1343.6	1280.0	1215.7	1145.2
22.5°	1663.8	1650.8	1624.8	1607.1	1591.8	1548.2	1491.5	1416.4	1329.1	1244.8	1172.0
25°	1663.1	1659.2	1648.5	1640.1	1628.6	1596.4	1548.9	1476.9	1379.6	1286.9	1185.8
27.5°	1568.8	1579.6	1597.9	1607.1	1604.8	1600.2	1573.4	1512.9	1425.6	1315.3	1201.9
30°	1372.7	1411.8	1446.3	1492.2	1506.0	1539.7	1555.1	1520.6	1450.9	1348.2	1222.6
32.5°	1138.3	1195.0	1270.1	1295.4	1339.0	1404.1	1476.9	1489.9	1446.3	1367.4	1235.6
35°	933.8	980.5	1038.7	1078.6	1117.6	1223.4	1315.3	1394.9	1409.5	1357.4	1232.5
37.5°	772.9	805.9	857.2	890.9	926.9	1017.3	1146.0	1249.4	1322.2	1323.7	1224.1
40°	656.5	671.0	715.5	740.0	774.5	852.6	967.5	1102.3	1208.8	1257.8	1201.9
42.5°	556.1	575.3	612.1	630.4	652.7	720.8	796.7	924.6	1056.4	1161.3	1160.5
45°	496.4	510.2	527.0	542.4	567.6	608.2	694.8	790.5	916.9	1035.7	1082.4
47.5°	443.5	456.6	473.4	478.0	494.9	533.2	586.0	669.5	787.5	905.5	993.5
50°	399.1	409.8	421.3	429.7	437.4	468.8	508.6	579.1	673.3	787.5	897.0
52.5°	364.6	372.3	382.3	386.8	393.7	416.7	447.4	499.5	576.8	681.0	787.5
55°	332.5	337.8	343.9	351.6	354.7	371.5	395.3	439.7	497.2	590.6	691.7
57.5°	302.6	304.9	308.7	313.3	317.1	331.7	352.4	382.3	432.8	504.8	600.6
60°	268.9	275.0	277.3	281.9	284.2	295.7	311.8	337.1	376.1	438.2	510.2
62.5°	240.5	244.4	248.2	250.5	255.9	259.7	272.7	295.7	327.9	373.8	438.9
65°	215.3	216.8	219.1	221.4	222.9	227.5	239.8	255.1	279.6	320.2	370.8
67.5°	186.1	187.7	190.7	191.5	193.0	199.2	206.1	219.1	239.8	270.4	311.8
70°	157.8	160.1	161.6	163.2	165.5	167.8	175.4	186.1	202.2	223.7	255.9
72.5°	133.3	135.6	135.6	137.1	136.4	139.4	147.1	154.7	165.5	183.1	211.4
75°	108.8	108.8	110.3	111.1	111.8	114.9	118.0	124.1	132.5	146.3	163.9
77.5°	85.8	85.0	86.6	86.6	86.6	88.9	91.9	95.0	100.4	110.3	124.1
80°	62.8	62.8	64.3	65.1	63.6	64.3	65.9	68.9	72.8	79.7	87.3
82.5°	41.4	44.4	43.7	44.4	43.7	45.2	46.0	46.7	48.3	51.3	56.7
85°	25.3	25.3	25.3	26.0	25.3	26.0	26.0	26.0	26.8	28.3	30.6
87.5°	10.7	10.7	10.7	11.5	10.7	10.7	11.5	10.7	11.5	11.5	12.3
90°	16.6	16.1	16.6	16.0	15.5	14.9	14.3	13.8	14.3	12.6	10.9
92.5°	31.0	33.3	34.4	36.4	38.4	44.2	56.8	79.8	106.7	118.2	88.4
95°	72.9	78.0	88.9	99.2	109.6	140.0	206.6	276.0	340.3	303.0	208.9
97.5°	156.7	178.5	216.9	249.6	282.3	358.1	474.6	541.2	523.4	390.8	232.4
100°	381.6	423.5	481.5	522.2	563.0	630.1	676.6	656.5	543.4	367.3	216.3
102.5°	604.3	635.3	677.2	699.2	721.3	753.5	743.7	662.2	506.1	332.8	202.6
105°	751.2	773.0	799.4	806.8	814.3	803.4	746.0	626.1	461.4	305.9	197.4
107.5°	848.2	858.5	861.9	854.2	846.4	801.7	711.6	574.4	421.8	286.4	196.3
110°	896.4	891.8	875.7	855.6	835.5	763.2	657.6	526.2	389.1	276.0	199.1

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	899.8	883.2	850.5	823.2	795.9	712.7	604.3	484.3	367.3	270.3	204.9
115°	873.4	848.2	805.1	773.8	742.6	658.2	558.4	452.2	352.9	269.7	211.2
117.5°	826.4	798.2	753.5	721.0	688.6	611.2	522.8	431.0	343.2	270.3	219.2
120°	777.6	745.4	700.1	671.2	642.2	573.3	495.8	414.9	336.9	272.6	228.4
122.5°	725.4	697.2	658.2	631.8	605.4	542.9	474.6	401.7	332.8	276.6	237.0
125°	681.8	656.5	619.8	596.8	573.9	518.8	456.2	390.8	329.4	280.6	246.2
127.5°	644.4	622.6	589.4	568.2	546.9	496.4	439.6	380.5	327.7	285.2	253.6
130°	612.3	591.7	561.2	541.7	522.2	475.7	424.1	372.4	326.0	289.8	261.1
132.5°	584.2	563.5	535.4	517.0	498.7	456.2	409.7	365.0	325.4	293.2	268.0
135°	553.2	536.0	507.9	491.6	475.2	437.9	397.1	358.7	324.8	296.7	273.7
137.5°	523.9	506.1	482.0	467.4	452.8	419.5	385.1	352.9	323.7	299.0	278.3
140°	494.1	478.0	456.2	443.8	431.5	404.0	374.7	347.8	323.1	301.3	281.8
142.5°	464.3	450.5	432.7	422.4	412.0	389.1	365.0	343.2	321.9	303.0	285.2
145°	437.9	425.8	411.5	403.2	394.8	376.5	357.5	339.2	320.8	303.6	287.5
147.5°	414.3	405.7	394.2	388.2	382.2	366.7	351.2	335.1	319.1	303.6	289.2
150°	395.4	389.1	380.5	375.0	369.6	357.5	344.3	331.1	316.8	303.6	289.8
152.5°	379.9	374.2	367.8	363.5	359.2	348.9	338.0	326.5	313.9	301.9	290.9
155°	366.1	361.5	356.4	353.0	349.5	340.9	331.7	321.9	310.5	300.7	290.9
157.5°	353.5	350.1	345.5	342.6	339.7	332.8	324.8	316.8	307.6	299.0	291.5
160°	342.6	339.2	335.1	333.1	331.1	325.4	319.1	311.6	304.1	297.8	291.5
162.5°	331.1	328.3	326.0	324.2	322.5	317.3	312.2	306.4	300.7	295.5	290.9
165°	321.4	319.1	316.8	315.4	313.9	309.9	306.4	301.9	297.3	293.2	289.8
167.5°	311.6	309.9	308.7	307.5	306.4	304.1	301.3	297.3	293.8	290.9	289.2
170°	303.0	301.9	301.3	300.7	300.1	297.8	296.1	293.2	290.4	288.7	287.5
172.5°	296.1	295.0	295.0	294.7	294.4	292.7	291.5	289.2	287.5	286.9	286.9
175°	289.8	289.2	289.2	289.2	289.2	288.1	287.5	286.4	285.2	285.2	285.8
177.5°	285.8	285.2	285.8	285.8	285.8	285.2	284.6	284.1	283.5	284.1	285.2
180°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	812.0	809.7	809.7	808.2	803.6	795.1	794.4	795.9	791.3	786.7	779.8
5°	851.8	837.3	832.7	828.1	818.9	803.6	797.4	792.1	783.7	773.7	763.0
7.5°	885.5	864.9	858.7	850.3	831.9	810.5	796.7	785.2	773.7	759.9	746.9
10°	927.7	897.8	883.2	871.0	845.7	815.8	795.1	778.3	759.9	743.1	726.2
12.5°	975.2	926.9	922.3	892.4	863.3	818.9	793.6	769.1	744.6	723.9	706.3
15°	1015.0	962.1	943.0	923.1	867.2	812.0	787.5	759.9	731.6	709.3	683.3
17.5°	1040.3	996.6	956.0	929.2	871.0	822.0	774.5	743.1	713.2	682.5	661.1
20°	1070.9	1007.3	972.1	936.1	878.6	814.3	766.8	727.7	691.0	663.4	637.3
22.5°	1101.6	1015.8	986.7	947.6	880.2	806.6	753.0	713.9	671.8	644.2	615.9
25°	1098.5	1028.0	979.8	946.8	864.9	799.7	736.9	691.0	651.9	616.7	588.3
27.5°	1100.8	1014.2	965.2	926.9	854.1	789.8	720.1	671.8	631.2	594.4	564.6
30°	1101.6	993.5	950.6	904.7	834.2	766.0	700.9	651.9	609.0	569.2	542.4
32.5°	1099.3	976.7	923.1	881.7	802.8	743.1	678.7	626.6	583.0	546.2	520.9
35°	1093.9	956.8	894.7	842.6	770.6	710.1	658.0	604.4	557.7	524.0	494.9
37.5°	1079.3	935.3	864.9	813.5	733.1	671.8	625.9	581.4	536.2	496.4	471.9
40°	1068.6	906.2	835.0	779.1	692.5	632.7	594.4	552.3	507.9	471.9	448.1
42.5°	1044.1	878.6	804.3	737.7	652.7	591.4	555.4	521.7	483.4	448.1	426.7
45°	1004.3	848.8	766.8	699.4	609.0	550.8	517.8	490.3	456.6	422.9	401.4
47.5°	948.4	805.9	727.0	659.6	566.1	507.1	474.2	453.5	426.7	398.3	380.0
50°	887.8	759.1	686.4	619.7	524.7	467.3	435.1	416.0	398.3	372.3	354.7
52.5°	808.9	709.3	639.6	576.1	480.3	425.1	396.8	383.0	364.6	346.2	330.9
55°	732.3	645.0	587.5	527.0	436.6	385.3	357.7	343.2	332.5	317.1	304.9
57.5°	643.5	585.3	532.4	477.2	396.0	349.3	323.3	305.6	298.8	291.9	280.4
60°	561.5	517.1	474.2	428.2	353.9	311.8	286.5	272.7	265.8	261.2	253.6
62.5°	486.4	452.0	415.2	378.4	311.0	272.7	253.6	239.8	233.6	232.9	226.0
65°	414.4	389.9	360.0	324.0	271.2	237.5	219.1	210.7	203.8	203.8	198.4
67.5°	342.4	325.6	301.8	276.5	235.2	203.8	186.9	179.3	175.4	175.4	171.6
70°	285.0	273.5	252.0	229.8	193.8	170.1	157.0	150.1	147.8	148.6	145.5
72.5°	231.3	219.1	201.5	185.4	158.6	141.0	131.8	124.1	120.3	121.0	120.3
75°	179.3	173.1	157.8	145.5	124.1	111.8	103.4	99.6	96.5	97.3	95.8
77.5°	134.8	125.6	117.2	108.8	95.8	85.8	78.9	75.1	72.8	72.8	72.8
80°	91.9	90.4	83.5	78.9	68.2	60.5	55.2	54.4	52.1	52.1	52.1
82.5°	59.8	55.9	52.1	49.0	42.9	38.3	36.0	34.5	33.7	32.9	34.5
85°	32.9	30.6	29.1	26.0	23.7	21.4	19.2	18.4	17.6	18.4	17.6
87.5°	13.0	10.7	10.7	10.0	9.2	8.4	8.4	6.9	6.9	6.1	6.1
90°	9.2	7.5	6.9	6.3	5.2	3.4	2.3	1.1	2.3	3.4	5.2
92.5°	58.0	39.6	34.4	29.3	23.5	18.4	12.6	8.6	12.6	18.4	23.5
95°	123.4	74.6	63.4	52.2	37.3	27.5	21.2	19.5	21.2	27.5	37.3
97.5°	133.1	84.9	72.6	60.3	45.3	36.7	31.6	31.0	31.6	36.7	45.3
100°	131.4	91.2	80.1	68.9	55.1	47.1	43.0	42.5	43.0	47.1	55.1
102.5°	133.7	98.7	88.6	78.6	66.6	59.1	55.7	54.5	55.7	59.1	66.6
105°	138.3	107.3	98.4	89.5	78.6	71.7	68.3	66.6	68.3	71.7	78.6
107.5°	145.8	118.2	109.9	101.6	91.2	84.4	80.9	79.2	80.9	84.4	91.2
110°	155.5	129.7	121.6	113.6	103.9	97.6	94.7	93.0	94.7	97.6	103.9

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	165.3	141.7	134.0	126.3	116.5	110.2	107.3	105.6	107.3	110.2	116.5
115°	176.2	154.4	146.6	138.9	129.1	123.4	119.9	117.6	119.9	123.4	129.1
117.5°	187.7	165.8	158.6	151.5	140.6	135.4	132.6	129.7	132.6	135.4	140.6
120°	198.6	177.9	170.8	163.6	152.6	146.9	144.0	142.3	144.0	146.9	152.6
122.5°	210.0	189.9	182.2	174.5	164.1	157.8	154.9	153.2	154.9	157.8	164.1
125°	220.9	200.9	193.2	185.4	174.5	168.1	164.7	163.6	164.7	168.1	174.5
127.5°	230.7	211.2	203.4	195.7	183.6	177.3	173.3	171.6	173.3	177.3	183.6
130°	239.3	220.4	212.6	204.9	192.8	185.9	180.8	179.0	180.8	185.9	192.8
132.5°	246.8	228.4	221.0	213.5	201.4	192.8	187.1	184.8	187.1	192.8	201.4
135°	254.2	236.4	228.6	220.9	208.9	200.3	194.0	191.7	194.0	200.3	208.9
137.5°	259.4	242.2	235.0	227.8	215.8	206.6	200.3	198.0	200.3	206.6	215.8
140°	264.6	247.9	240.8	233.6	222.1	212.9	207.2	204.3	207.2	212.9	222.1
142.5°	268.6	252.5	245.9	239.3	227.8	219.8	213.5	211.2	213.5	219.8	227.8
145°	272.0	257.1	250.5	243.9	234.1	225.5	220.4	218.6	220.4	225.5	234.1
147.5°	274.9	261.1	255.4	249.6	239.9	232.4	227.3	226.1	227.3	232.4	239.9
150°	277.8	264.6	259.4	254.2	246.2	238.7	234.1	233.6	234.1	238.7	246.2
152.5°	279.5	268.6	263.7	258.8	251.9	245.6	241.0	241.0	241.0	245.6	251.9
155°	281.8	272.0	268.0	264.0	257.7	251.9	248.5	248.5	248.5	251.9	257.7
157.5°	282.9	274.9	271.8	268.6	262.8	257.7	254.8	254.2	254.8	257.7	262.8
160°	284.6	277.8	274.9	272.0	268.0	263.4	261.1	261.1	261.1	263.4	268.0
162.5°	285.2	279.5	277.2	274.9	271.4	268.0	266.3	266.3	266.3	268.0	271.4
165°	285.8	281.2	279.2	277.2	274.9	272.0	270.9	271.4	270.9	272.0	274.9
167.5°	285.8	282.3	280.9	279.5	277.8	275.5	274.9	275.5	274.9	275.5	277.8
170°	285.2	282.3	281.8	281.2	280.0	278.3	277.8	278.9	277.8	278.3	280.0
172.5°	285.2	282.9	282.6	282.3	281.8	280.6	280.6	281.2	280.6	280.6	281.8
175°	284.6	283.5	283.2	282.9	282.9	281.8	282.3	282.9	282.3	281.8	282.9
177.5°	284.1	283.5	283.5	283.5	283.5	282.9	283.5	284.1	283.5	282.9	283.5
180°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	778.3	777.5	779.1	774.5	766.8	763.0	752.2	749.9	749.2	749.9	750.7
5°	756.8	756.1	753.8	746.1	736.9	730.0	717.0	716.2	711.6	707.0	709.3
7.5°	736.2	733.1	728.5	718.5	706.3	698.6	687.9	680.2	674.1	670.3	667.2
10°	715.5	710.9	706.3	693.3	677.9	666.5	653.4	647.3	640.4	637.3	634.3
12.5°	688.7	684.1	675.6	660.3	651.1	636.6	623.6	617.4	613.6	607.5	603.6
15°	667.2	658.0	653.4	637.3	618.2	616.7	592.9	591.4	583.7	583.7	577.6
17.5°	642.7	635.8	627.4	611.3	597.5	583.7	571.5	566.9	560.0	558.4	555.4
20°	619.0	609.8	606.7	590.6	576.1	559.2	546.2	541.6	538.5	535.5	537.8
22.5°	594.4	586.8	579.1	564.6	553.8	537.0	529.3	524.7	520.1	518.6	519.4
25°	570.7	563.8	556.1	541.6	530.1	516.3	509.4	507.1	504.8	504.8	504.1
27.5°	547.7	540.8	533.9	520.9	509.4	499.5	494.1	491.8	489.5	491.0	492.6
30°	524.0	517.8	511.7	500.2	491.0	481.8	478.8	477.2	476.5	480.3	480.3
32.5°	502.5	497.2	492.6	481.8	472.6	465.0	462.7	463.5	464.2	466.5	468.0
35°	480.3	476.5	471.9	462.7	455.0	448.1	448.9	448.9	450.4	454.3	457.3
37.5°	460.4	455.0	451.2	443.5	437.4	431.3	433.6	435.9	437.4	442.0	443.5
40°	436.6	434.3	431.3	423.6	418.3	417.5	418.3	419.8	422.9	425.1	427.4
42.5°	417.5	414.4	410.6	404.5	399.9	400.6	401.4	402.9	404.5	408.3	410.6
45°	396.0	393.7	390.7	385.3	381.5	382.3	383.0	383.0	384.5	389.1	390.7
47.5°	372.3	373.1	369.2	363.9	361.6	361.6	361.6	363.1	366.9	368.5	369.2
50°	349.3	347.8	347.0	341.7	340.1	339.4	340.1	340.9	346.2	345.5	347.8
52.5°	324.8	324.8	324.0	321.0	318.7	318.7	317.1	321.0	322.5	324.0	326.3
55°	301.1	298.8	298.0	296.5	293.4	292.6	294.2	298.8	300.3	301.8	304.1
57.5°	275.0	275.0	273.5	271.2	271.2	271.2	271.2	274.2	276.5	278.1	282.7
60°	251.3	248.2	245.9	245.9	245.9	245.1	249.7	249.7	254.3	255.1	256.6
62.5°	222.9	221.4	219.9	220.6	219.9	221.4	222.9	226.0	226.7	229.0	231.3
65°	196.1	196.1	194.6	199.2	196.1	196.1	199.9	199.9	201.5	203.8	206.8
67.5°	170.1	170.8	169.3	169.3	170.8	171.6	172.4	175.4	176.2	179.3	183.1
70°	143.2	144.8	145.5	144.0	145.5	147.1	148.6	149.4	152.4	154.0	156.3
72.5°	119.5	121.0	118.7	119.5	120.3	121.8	122.6	124.1	125.6	130.2	131.8
75°	95.8	95.0	94.2	97.3	95.8	98.8	99.6	99.6	101.1	104.9	106.5
77.5°	73.5	73.5	74.3	72.8	75.1	74.3	75.1	77.4	79.7	79.7	85.8
80°	51.3	52.9	52.9	52.9	53.6	54.4	52.9	56.7	57.5	57.5	59.8
82.5°	32.9	33.7	32.9	34.5	34.5	36.0	35.2	36.0	37.5	39.1	39.8
85°	17.6	17.6	19.2	19.2	18.4	19.2	18.4	19.2	20.7	20.7	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°	6.3	6.9	7.5	9.2	10.9	12.6	14.3	13.8	14.3	14.9	15.5
92.5°	29.3	34.4	39.6	58.0	88.4	118.2	106.7	79.8	56.8	44.2	38.4
95°	52.2	63.4	74.6	123.4	208.9	303.0	340.3	276.0	206.6	140.0	109.6
97.5°	60.3	72.6	84.9	133.1	232.4	390.8	523.4	541.2	474.6	358.1	282.3
100°	68.9	80.1	91.2	131.4	216.3	367.3	543.4	656.5	676.6	630.1	563.0
102.5°	78.6	88.6	98.7	133.7	202.6	332.8	506.1	662.2	743.7	753.5	721.3
105°	89.5	98.4	107.3	138.3	197.4	305.9	461.4	626.1	746.0	803.4	814.3
107.5°	101.6	109.9	118.2	145.8	196.3	286.4	421.8	574.4	711.6	801.7	846.4
110°	113.6	121.6	129.7	155.5	199.1	276.0	389.1	526.2	657.6	763.2	835.5

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	126.3	134.0	141.7	165.3	204.9	270.3	367.3	484.3	604.3	712.7	795.9
115°	138.9	146.6	154.4	176.2	211.2	269.7	352.9	452.2	558.4	658.2	742.6
117.5°	151.5	158.6	165.8	187.7	219.2	270.3	343.2	431.0	522.8	611.2	688.6
120°	163.6	170.8	177.9	198.6	228.4	272.6	336.9	414.9	495.8	573.3	642.2
122.5°	174.5	182.2	189.9	210.0	237.0	276.6	332.8	401.7	474.6	542.9	605.4
125°	185.4	193.2	200.9	220.9	246.2	280.6	329.4	390.8	456.2	518.8	573.9
127.5°	195.7	203.4	211.2	230.7	253.6	285.2	327.7	380.5	439.6	496.4	546.9
130°	204.9	212.6	220.4	239.3	261.1	289.8	326.0	372.4	424.1	475.7	522.2
132.5°	213.5	221.0	228.4	246.8	268.0	293.2	325.4	365.0	409.7	456.2	498.7
135°	220.9	228.6	236.4	254.2	273.7	296.7	324.8	358.7	397.1	437.9	475.2
137.5°	227.8	235.0	242.2	259.4	278.3	299.0	323.7	352.9	385.1	419.5	452.8
140°	233.6	240.8	247.9	264.6	281.8	301.3	323.1	347.8	374.7	404.0	431.5
142.5°	239.3	245.9	252.5	268.6	285.2	303.0	321.9	343.2	365.0	389.1	412.0
145°	243.9	250.5	257.1	272.0	287.5	303.6	320.8	339.2	357.5	376.5	394.8
147.5°	249.6	255.4	261.1	274.9	289.2	303.6	319.1	335.1	351.2	366.7	382.2
150°	254.2	259.4	264.6	277.8	289.8	303.6	316.8	331.1	344.3	357.5	369.6
152.5°	258.8	263.7	268.6	279.5	290.9	301.9	313.9	326.5	338.0	348.9	359.2
155°	264.0	268.0	272.0	281.8	290.9	300.7	310.5	321.9	331.7	340.9	349.5
157.5°	268.6	271.8	274.9	282.9	291.5	299.0	307.6	316.8	324.8	332.8	339.7
160°	272.0	274.9	277.8	284.6	291.5	297.8	304.1	311.6	319.1	325.4	331.1
162.5°	274.9	277.2	279.5	285.2	290.9	295.5	300.7	306.4	312.2	317.3	322.5
165°	277.2	279.2	281.2	285.8	289.8	293.2	297.3	301.9	306.4	309.9	313.9
167.5°	279.5	280.9	282.3	285.8	289.2	290.9	293.8	297.3	301.3	304.1	306.4
170°	281.2	281.8	282.3	285.2	287.5	288.7	290.4	293.2	296.1	297.8	300.1
172.5°	282.3	282.6	282.9	285.2	286.9	286.9	287.5	289.2	291.5	292.7	294.4
175°	282.9	283.2	283.5	284.6	285.8	285.2	285.2	286.4	287.5	288.1	289.2
177.5°	283.5	283.5	283.5	284.1	285.2	284.1	283.5	284.1	284.6	285.2	285.8
180°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	749.9	750.7	747.6	745.4	751.5	747.6	747.6	748.4	746.9	749.2	748.4
5°	707.8	708.6	703.2	704.8	701.7	700.9	700.2	704.8	704.0	703.2	704.8
7.5°	666.5	666.5	664.2	662.6	662.6	660.3	663.4	662.6	664.2	664.2	666.5
10°	632.0	633.5	629.7	625.9	625.1	625.9	625.9	626.6	627.4	632.7	632.0
12.5°	603.6	601.3	600.6	598.3	594.4	592.9	591.4	599.8	597.5	597.5	597.5
15°	572.2	577.6	576.8	569.9	568.4	571.5	569.9	569.9	577.6	576.8	576.1
17.5°	555.4	553.8	552.3	548.5	549.2	548.5	549.2	549.2	553.8	553.8	553.8
20°	536.2	533.2	533.2	531.6	531.6	529.3	532.4	533.2	536.2	536.2	537.0
22.5°	519.4	517.1	517.1	516.3	517.8	514.8	517.8	518.6	518.6	520.9	520.9
25°	504.8	503.3	503.3	504.8	504.8	504.8	504.8	507.9	505.6	506.3	505.6
27.5°	491.8	492.6	493.3	494.1	493.3	494.1	494.9	496.4	497.2	496.4	494.9
30°	479.5	481.8	482.6	482.6	484.1	484.9	485.7	485.7	486.4	484.1	485.7
32.5°	470.3	470.3	471.9	472.6	474.2	474.9	474.9	476.5	475.7	473.4	474.2
35°	457.3	457.3	460.4	461.9	464.2	463.5	464.2	464.2	465.0	463.5	461.2
37.5°	444.3	445.8	445.8	448.9	449.7	450.4	449.7	451.2	450.4	448.9	448.1
40°	429.0	428.2	429.0	431.3	432.0	432.0	432.0	433.6	433.6	433.6	432.8
42.5°	409.8	412.1	411.4	413.7	412.9	412.9	414.4	416.0	416.7	414.4	415.2
45°	391.4	391.4	393.0	393.0	393.7	393.7	396.8	395.3	396.8	395.3	396.0
47.5°	371.5	372.3	372.3	373.1	374.6	376.1	374.6	375.4	375.4	376.1	374.6
50°	349.3	349.3	350.8	353.1	356.2	354.7	353.9	357.0	354.7	354.7	353.1
52.5°	326.3	328.6	329.4	331.7	334.0	334.8	335.5	334.0	334.8	332.5	333.2
55°	304.1	304.9	307.9	310.2	312.5	312.5	311.8	312.5	313.3	310.2	310.2
57.5°	281.9	284.2	287.3	287.3	290.3	290.3	289.6	289.6	290.3	288.0	287.3
60°	258.2	260.5	264.3	264.3	268.9	269.6	268.1	266.6	266.6	264.3	265.0
62.5°	232.9	235.2	237.5	241.3	244.4	242.8	245.9	242.8	243.6	239.0	239.0
65°	210.7	211.4	215.3	219.1	219.1	220.6	219.1	219.9	217.6	217.6	214.5
67.5°	184.6	184.6	188.4	192.3	196.1	196.1	196.1	193.8	193.8	191.5	191.5
70°	161.6	160.9	164.7	167.0	169.3	170.1	168.5	167.8	166.2	163.9	163.2
72.5°	133.3	134.8	138.7	140.2	144.0	143.2	147.1	142.5	142.5	138.7	137.9
75°	108.0	109.5	113.4	115.7	118.0	118.0	120.3	118.0	114.9	113.4	112.6
77.5°	85.8	85.0	88.1	91.9	92.7	91.9	93.5	92.7	89.6	89.6	88.1
80°	61.3	63.6	66.6	65.9	68.9	68.2	68.2	66.6	66.6	64.3	65.9
82.5°	40.6	42.9	43.7	42.9	43.7	45.2	46.0	45.2	45.2	43.7	44.4
85°	21.4	21.4	23.0	23.7	23.0	23.0	23.7	26.0	24.5	23.0	24.5
87.5°	6.9	6.1	6.1	6.9	6.1	6.1	6.9	6.9	7.7	7.7	7.7
90°	16.0	16.6	16.1	16.6	17.2	16.6	17.2	16.6	16.1	16.6	16.0
92.5°	36.4	34.4	33.3	31.0	31.6	30.4	31.6	31.0	33.3	34.4	36.4
95°	99.2	88.9	78.0	72.9	68.9	66.6	68.9	72.9	78.0	88.9	99.2
97.5°	249.6	216.9	178.5	156.7	142.9	136.6	142.9	156.7	178.5	216.9	249.6
100°	522.2	481.5	423.5	381.6	359.2	359.8	359.2	381.6	423.5	481.5	522.2
102.5°	699.2	677.2	635.3	604.3	586.5	569.8	586.5	604.3	635.3	677.2	699.2
105°	806.8	799.4	773.0	751.2	732.8	730.0	732.8	751.2	773.0	799.4	806.8
107.5°	854.2	861.9	858.5	848.2	840.7	834.4	840.7	848.2	858.5	861.9	854.2
110°	855.6	875.7	891.8	896.4	895.2	894.1	895.2	896.4	891.8	875.7	855.6

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	823.2	850.5	883.2	899.8	905.6	906.1	905.6	899.8	883.2	850.5	823.2
115°	773.8	805.1	848.2	873.4	884.9	887.8	884.9	873.4	848.2	805.1	773.8
117.5°	721.0	753.5	798.2	826.4	843.6	847.6	843.6	826.4	798.2	753.5	721.0
120°	671.2	700.1	745.4	777.6	791.4	794.8	791.4	777.6	745.4	700.1	671.2
122.5°	631.8	658.2	697.2	725.4	740.9	745.4	740.9	725.4	697.2	658.2	631.8
125°	596.8	619.8	656.5	681.8	696.1	700.1	696.1	681.8	656.5	619.8	596.8
127.5°	568.2	589.4	622.6	644.4	657.6	661.1	657.6	644.4	622.6	589.4	568.2
130°	541.7	561.2	591.7	612.3	624.4	629.0	624.4	612.3	591.7	561.2	541.7
132.5°	517.0	535.4	563.5	584.2	594.5	597.4	594.5	584.2	563.5	535.4	517.0
135°	491.6	507.9	536.0	553.2	563.5	567.6	563.5	553.2	536.0	507.9	491.6
137.5°	467.4	482.0	506.1	523.9	532.5	536.0	532.5	523.9	506.1	482.0	467.4
140°	443.8	456.2	478.0	494.1	503.3	502.7	503.3	494.1	478.0	456.2	443.8
142.5°	422.4	432.7	450.5	464.3	472.3	471.7	472.3	464.3	450.5	432.7	422.4
145°	403.2	411.5	425.8	437.9	442.4	443.6	442.4	437.9	425.8	411.5	403.2
147.5°	388.2	394.2	405.7	414.3	418.9	419.5	418.9	414.3	405.7	394.2	388.2
150°	375.0	380.5	389.1	395.4	398.8	398.8	398.8	395.4	389.1	380.5	375.0
152.5°	363.5	367.8	374.2	379.9	381.6	381.6	381.6	379.9	374.2	367.8	363.5
155°	353.0	356.4	361.5	366.1	367.3	367.8	367.3	366.1	361.5	356.4	353.0
157.5°	342.6	345.5	350.1	353.5	354.6	354.6	354.6	353.5	350.1	345.5	342.6
160°	333.1	335.1	339.2	342.6	342.6	342.0	342.6	342.6	339.2	335.1	333.1
162.5°	324.2	326.0	328.3	331.1	331.1	330.5	331.1	331.1	328.3	326.0	324.2
165°	315.4	316.8	319.1	321.4	320.8	320.8	320.8	321.4	319.1	316.8	315.4
167.5°	307.5	308.7	309.9	311.6	311.0	311.0	311.0	311.6	309.9	308.7	307.5
170°	300.7	301.3	301.9	303.0	302.4	302.4	302.4	303.0	301.9	301.3	300.7
172.5°	294.7	295.0	295.0	296.1	295.0	294.4	295.0	296.1	295.0	295.0	294.7
175°	289.2	289.2	289.2	289.8	289.2	288.7	289.2	289.8	289.2	289.2	289.2
177.5°	285.8	285.8	285.2	285.8	284.6	284.6	284.6	285.8	285.2	285.8	285.8
180°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5	790.5
2.5°	750.7	752.2	753.0	749.9	747.6	751.5	756.8	760.7	763.7	767.6	769.9
5°	706.3	711.6	711.6	713.2	715.5	719.3	729.3	736.2	742.3	746.9	750.7
7.5°	668.7	672.6	674.9	678.7	682.5	687.9	699.4	709.3	718.5	723.9	730.0
10°	635.0	638.1	641.9	644.2	651.1	658.8	673.3	681.8	692.5	700.9	708.6
12.5°	602.9	613.6	615.9	615.1	621.3	629.7	644.2	657.3	668.7	677.2	685.6
15°	579.9	583.7	588.3	587.5	600.6	602.9	615.1	630.4	645.8	651.1	658.8
17.5°	554.6	560.7	565.3	567.6	571.5	579.9	591.4	602.9	622.8	623.6	643.5
20°	534.7	540.8	543.9	546.9	549.2	559.2	569.2	582.2	598.3	606.7	617.4
22.5°	521.7	524.7	527.0	529.3	532.4	537.8	550.0	564.6	575.3	584.5	591.4
25°	506.3	509.4	512.5	514.0	516.3	519.4	528.6	540.1	555.4	561.5	568.4
27.5°	495.6	495.6	497.2	497.2	500.2	503.3	510.2	520.9	533.2	540.8	550.0
30°	484.1	483.4	484.1	483.4	482.6	487.2	493.3	502.5	510.9	520.1	526.3
32.5°	472.6	471.9	471.9	472.6	469.6	471.9	474.9	483.4	492.6	497.2	504.1
35°	460.4	458.9	458.9	458.9	457.3	455.8	458.9	466.5	472.6	478.8	484.1
37.5°	448.1	445.8	445.8	444.3	442.8	440.5	440.5	446.6	455.0	457.3	464.2
40°	431.3	431.3	429.7	429.0	427.4	425.9	423.6	429.0	436.6	438.9	444.3
42.5°	414.4	412.1	411.4	411.4	411.4	409.1	407.5	411.4	416.0	419.8	422.9
45°	395.3	393.7	394.5	393.7	392.2	391.4	390.7	392.2	397.6	399.1	402.9
47.5°	374.6	373.8	373.8	373.1	372.3	373.1	370.0	373.8	375.4	376.9	380.0
50°	353.1	352.4	351.6	350.8	350.8	351.6	350.8	350.8	353.9	355.4	358.5
52.5°	331.7	329.4	329.4	328.6	328.6	327.1	328.6	329.4	330.9	332.5	334.0
55°	308.7	308.7	306.4	306.4	304.9	304.9	305.6	304.9	307.9	309.5	309.5
57.5°	286.5	283.4	284.2	282.7	281.1	280.4	280.4	281.9	283.4	283.4	285.0
60°	262.7	259.7	258.9	255.9	257.4	255.1	255.9	255.9	258.9	257.4	258.9
62.5°	239.0	235.2	232.9	231.3	231.3	232.1	230.6	229.8	231.3	232.9	235.9
65°	213.7	211.4	209.1	206.8	206.8	206.1	207.6	205.3	204.5	205.3	206.8
67.5°	187.7	185.4	183.1	180.8	181.6	179.3	177.7	180.0	178.5	179.3	180.8
70°	162.4	160.9	156.3	154.7	154.0	154.7	154.0	152.4	154.7	154.0	154.7
72.5°	137.1	135.6	133.3	129.5	129.5	128.7	127.9	127.9	127.2	127.2	127.2
75°	112.6	109.5	107.2	106.5	104.9	104.2	103.4	101.9	102.6	103.4	101.9
77.5°	87.3	83.5	82.7	82.7	80.4	80.4	81.2	80.4	79.7	79.7	79.7
80°	64.3	61.3	61.3	59.8	58.2	58.2	58.2	58.2	57.5	56.7	57.5
82.5°	41.4	40.6	39.8	39.8	41.4	38.3	39.8	39.1	38.3	38.3	37.5
85°	23.0	23.7	23.0	23.7	22.2	23.0	23.0	23.0	22.2	23.0	21.4
87.5°	8.4	8.4	8.4	9.2	9.2	9.2	9.2	9.2	10.0	9.2	9.2
90°	15.5	14.9	14.3	13.8	14.3	12.6	10.9	9.2	7.5	6.9	6.3
92.5°	38.4	44.2	56.8	79.8	106.7	118.2	88.4	58.0	39.6	34.4	29.3
95°	109.6	140.0	206.6	276.0	340.3	303.0	208.9	123.4	74.6	63.4	52.2
97.5°	282.3	358.1	474.6	541.2	523.4	390.8	232.4	133.1	84.9	72.6	60.3
100°	563.0	630.1	676.6	656.5	543.4	367.3	216.3	131.4	91.2	80.1	68.9
102.5°	721.3	753.5	743.7	662.2	506.1	332.8	202.6	133.7	98.7	88.6	78.6
105°	814.3	803.4	746.0	626.1	461.4	305.9	197.4	138.3	107.3	98.4	89.5
107.5°	846.4	801.7	711.6	574.4	421.8	286.4	196.3	145.8	118.2	109.9	101.6
110°	835.5	763.2	657.6	526.2	389.1	276.0	199.1	155.5	129.7	121.6	113.6

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	795.9	712.7	604.3	484.3	367.3	270.3	204.9	165.3	141.7	134.0	126.3
115°	742.6	658.2	558.4	452.2	352.9	269.7	211.2	176.2	154.4	146.6	138.9
117.5°	688.6	611.2	522.8	431.0	343.2	270.3	219.2	187.7	165.8	158.6	151.5
120°	642.2	573.3	495.8	414.9	336.9	272.6	228.4	198.6	177.9	170.8	163.6
122.5°	605.4	542.9	474.6	401.7	332.8	276.6	237.0	210.0	189.9	182.2	174.5
125°	573.9	518.8	456.2	390.8	329.4	280.6	246.2	220.9	200.9	193.2	185.4
127.5°	546.9	496.4	439.6	380.5	327.7	285.2	253.6	230.7	211.2	203.4	195.7
130°	522.2	475.7	424.1	372.4	326.0	289.8	261.1	239.3	220.4	212.6	204.9
132.5°	498.7	456.2	409.7	365.0	325.4	293.2	268.0	246.8	228.4	221.0	213.5
135°	475.2	437.9	397.1	358.7	324.8	296.7	273.7	254.2	236.4	228.6	220.9
137.5°	452.8	419.5	385.1	352.9	323.7	299.0	278.3	259.4	242.2	235.0	227.8
140°	431.5	404.0	374.7	347.8	323.1	301.3	281.8	264.6	247.9	240.8	233.6
142.5°	412.0	389.1	365.0	343.2	321.9	303.0	285.2	268.6	252.5	245.9	239.3
145°	394.8	376.5	357.5	339.2	320.8	303.6	287.5	272.0	257.1	250.5	243.9
147.5°	382.2	366.7	351.2	335.1	319.1	303.6	289.2	274.9	261.1	255.4	249.6
150°	369.6	357.5	344.3	331.1	316.8	303.6	289.8	277.8	264.6	259.4	254.2
152.5°	359.2	348.9	338.0	326.5	313.9	301.9	290.9	279.5	268.6	263.7	258.8
155°	349.5	340.9	331.7	321.9	310.5	300.7	290.9	281.8	272.0	268.0	264.0
157.5°	339.7	332.8	324.8	316.8	307.6	299.0	291.5	282.9	274.9	271.8	268.6
160°	331.1	325.4	319.1	311.6	304.1	297.8	291.5	284.6	277.8	274.9	272.0
162.5°	322.5	317.3	312.2	306.4	300.7	295.5	290.9	285.2	279.5	277.2	274.9
165°	313.9	309.9	306.4	301.9	297.3	293.2	289.8	285.8	281.2	279.2	277.2
167.5°	306.4	304.1	301.3	297.3	293.8	290.9	289.2	285.8	282.3	280.9	279.5
170°	300.1	297.8	296.1	293.2	290.4	288.7	287.5	285.2	282.3	281.8	281.2
172.5°	294.4	292.7	291.5	289.2	287.5	286.9	286.9	285.2	282.9	282.6	282.3
175°	289.2	288.1	287.5	286.4	285.2	285.2	285.8	284.6	283.5	283.2	282.9
177.5°	285.8	285.2	284.6	284.1	283.5	284.1	285.2	284.1	283.5	283.5	283.5
180°	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5	283.5

TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	790.5	790.5	790.5	790.5
2.5°	773.7	776.0	783.7	792.8
5°	758.4	764.5	775.2	789.8
7.5°	741.5	750.7	766.0	784.4
10°	722.4	735.4	754.5	777.5
12.5°	701.7	718.5	743.1	766.8
15°	688.7	705.5	727.7	753.8
17.5°	663.4	683.3	706.3	743.1
20°	637.3	659.6	689.4	726.2
22.5°	617.4	641.2	669.5	708.6
25°	593.7	618.2	648.8	689.4
27.5°	568.4	592.9	627.4	670.3
30°	549.2	573.0	605.9	651.9
32.5°	526.3	549.2	583.7	632.0
35°	500.2	526.3	559.2	608.2
37.5°	480.3	504.1	538.5	585.3
40°	458.9	479.5	513.2	559.2
42.5°	435.9	458.9	488.0	533.9
45°	414.4	431.3	461.2	504.8
47.5°	391.4	410.6	433.6	467.3
50°	366.9	383.0	408.3	431.3
52.5°	343.2	356.2	377.7	395.3
55°	317.9	330.9	347.0	357.7
57.5°	294.2	303.3	314.1	321.0
60°	265.0	274.2	281.1	288.0
62.5°	239.0	245.9	249.7	253.6
65°	212.2	216.0	218.3	221.4
67.5°	183.1	186.9	187.7	192.3
70°	156.3	157.0	158.6	160.9
72.5°	131.0	132.5	131.8	133.3
75°	104.9	106.5	104.9	106.5
77.5°	79.7	81.2	81.2	83.5
80°	57.5	58.2	59.0	59.0
82.5°	37.5	39.8	38.3	39.1
85°	21.4	22.2	22.2	23.0
87.5°	10.0	10.7	10.0	11.5
90°	5.2	3.4	2.3	1.1
92.5°	23.5	18.4	12.6	8.6
95°	37.3	27.5	21.2	19.5
97.5°	45.3	36.7	31.6	31.0
100°	55.1	47.1	43.0	42.5
102.5°	66.6	59.1	55.7	54.5
105°	78.6	71.7	68.3	66.6
107.5°	91.2	84.4	80.9	79.2
110°	103.9	97.6	94.7	93.0



TEST NUMBER: P1011828

CATALOG NUMBER: S123DIP-B560D585UB35-4F0-XX-W2A-A4

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	116.5	110.2	107.3	105.6
115°	129.1	123.4	119.9	117.6
117.5°	140.6	135.4	132.6	129.7
120°	152.6	146.9	144.0	142.3
122.5°	164.1	157.8	154.9	153.2
125°	174.5	168.1	164.7	163.6
127.5°	183.6	177.3	173.3	171.6
130°	192.8	185.9	180.8	179.0
132.5°	201.4	192.8	187.1	184.8
135°	208.9	200.3	194.0	191.7
137.5°	215.8	206.6	200.3	198.0
140°	222.1	212.9	207.2	204.3
142.5°	227.8	219.8	213.5	211.2
145°	234.1	225.5	220.4	218.6
147.5°	239.9	232.4	227.3	226.1
150°	246.2	238.7	234.1	233.6
152.5°	251.9	245.6	241.0	241.0
155°	257.7	251.9	248.5	248.5
157.5°	262.8	257.7	254.8	254.2
160°	268.0	263.4	261.1	261.1
162.5°	271.4	268.0	266.3	266.3
165°	274.9	272.0	270.9	271.4
167.5°	277.8	275.5	274.9	275.5
170°	280.0	278.3	277.8	278.9
172.5°	281.8	280.6	280.6	281.2
175°	282.9	281.8	282.3	282.9
177.5°	283.5	282.9	283.5	284.1
180°	283.5	283.5	283.5	283.5

(END OF REPORT)