

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: P1031793

Luminaire Tested: S123DIW-B560D460UB35-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031793
REPORT IS A COMBINATION OF REPORTS P991747 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B560D460UB35-4F0-XX-W2A-A1
Description: Define 3 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

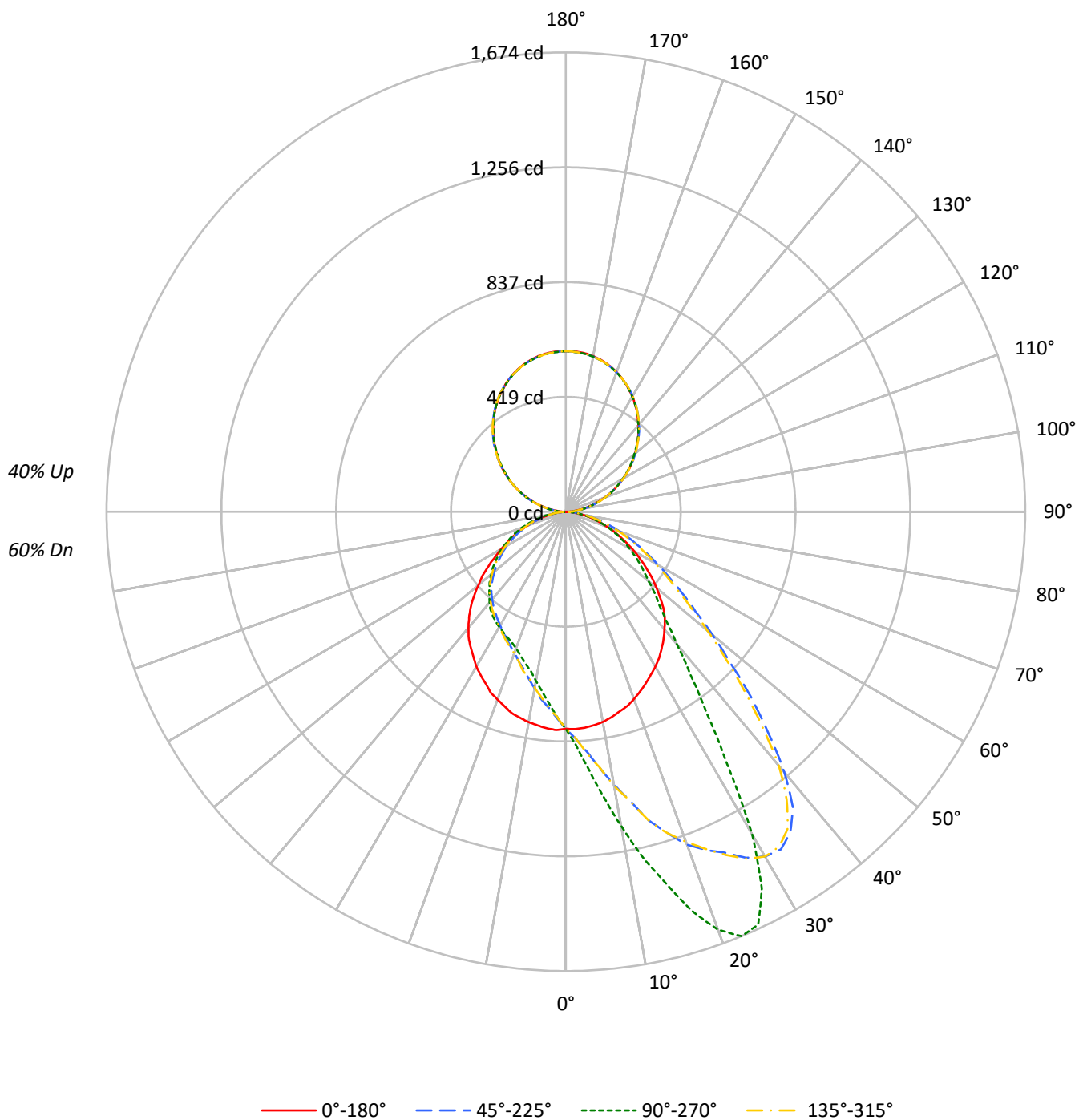
Lumens per Lamp: N/A
Luminaire Lumens: 4010.0 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 37.2
Input Voltage (V):
Input Current (A_{in}): 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

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

Luminous Intensity Polar Plot



TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65
1	100	96	92	89	94	90	87	84	78	76	74	68	66	64	58	57	55
2	92	84	78	73	85	79	74	69	69	65	61	60	57	54	51	49	47
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	40
4	77	66	58	52	71	62	55	49	54	49	45	48	43	40	41	38	35
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	37	34	31
6	65	53	45	39	61	50	43	37	44	38	34	39	34	30	34	30	27
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	22	20
10	49	37	29	24	46	35	28	23	31	25	22	27	23	20	24	20	18

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

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	1.9
10°-20°	249.7	6.2
20°-30°	420.2	10.5
30°-40°	474.8	11.8
40°-50°	425.3	10.6
50°-60°	343.3	8.6
60°-70°	239.2	6.0
70°-80°	125.6	3.1
80°-90°	31.3	0.8
90°-100°	37.7	0.9
100°-110°	114.1	2.8
110°-120°	194.3	4.8
120°-130°	255.6	6.4
130°-140°	287.3	7.2
140°-150°	282.4	7.0
150°-160°	237.8	5.9
160°-170°	158.3	3.9
170°-180°	55.4	1.4
0°-30°	747.6	18.6
0°-40°	1222.5	30.5
0°-60°	1991.1	49.7
0°-90°	2387.2	59.5
90°-120°	346.1	8.6
90°-150°	1171.3	29.2
90°-180°	1623.0	40.5
0°-180°	4010.0	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°	0	14	0	14	0	4
95°	27	36	27	36	27	30
105°	104	110	104	110	104	111
115°	196	196	196	196	196	193
125°	286	283	286	283	286	255
135°	371	371	371	371	371	286
145°	450	450	450	450	450	281
155°	516	515	516	515	516	237
165°	562	560	562	560	562	158
175°	584	582	584	582	584	56
180°	586	586	586	586	586	

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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°	0.5	1.5	2.5	3.6	4.6	5.1	5.8	7.1	8.4	9.7	11.0
92.5°	13.8	14.4	15.0	15.7	16.3	16.6	16.9	17.5	18.1	18.7	19.3
95°	27.1	27.8	28.6	29.3	30.0	30.4	30.8	31.6	32.4	33.2	34.0
97.5°	44.6	45.1	45.6	46.1	46.6	46.9	47.2	47.8	48.5	49.1	49.7
100°	62.6	63.2	63.8	64.4	65.0	65.3	65.6	66.1	66.6	67.1	67.6
102.5°	83.3	83.6	83.9	84.2	84.5	84.7	85.1	85.8	86.5	87.2	87.9
105°	103.5	103.7	103.9	104.1	104.3	104.4	104.9	105.8	106.7	107.7	108.6
107.5°	127.4	127.5	127.6	127.7	127.8	127.9	128.1	128.5	128.9	129.3	129.7
110°	149.5	149.7	149.9	150.1	150.3	150.4	150.5	150.7	151.0	151.2	151.4



TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	172.5	172.6	172.7	172.8	172.9	173.0	173.0	173.0	173.0	173.0	173.0
115°	195.5	195.8	196.1	196.4	196.7	196.9	196.8	196.6	196.4	196.2	196.0
117.5°	219.0	219.1	219.2	219.3	219.4	219.5	219.4	219.2	218.9	218.7	218.5
120°	240.6	241.2	241.8	242.5	243.1	243.4	243.1	242.6	242.1	241.6	241.1
122.5°	263.2	263.6	264.0	264.4	264.8	265.0	264.9	264.7	264.5	264.3	264.1
125°	286.2	286.5	286.8	287.1	287.4	287.5	287.4	287.2	287.0	286.8	286.6
127.5°	307.3	307.9	308.5	309.2	309.8	310.1	310.0	309.8	309.6	309.4	309.2
130°	328.5	329.3	330.1	331.0	331.8	332.2	332.0	331.7	331.4	331.1	330.8
132.5°	349.6	350.4	351.2	352.1	352.9	353.3	353.2	353.0	352.8	352.6	352.4
135°	371.3	371.9	372.5	373.1	373.7	374.0	374.0	373.9	373.8	373.7	373.6
137.5°	391.1	391.6	392.1	392.6	393.1	393.4	393.5	393.8	394.1	394.4	394.7
140°	411.8	412.3	412.8	413.3	413.8	414.1	414.1	414.2	414.3	414.4	414.5
142.5°	430.6	431.1	431.6	432.1	432.6	432.9	433.0	433.2	433.4	433.6	433.8
145°	450.4	450.6	450.8	451.0	451.2	451.3	451.5	451.8	452.1	452.4	452.7
147.5°	467.4	467.8	468.2	468.7	469.1	469.3	469.4	469.7	470.0	470.3	470.6
150°	485.4	485.6	485.8	486.0	486.2	486.3	486.4	486.6	486.8	487.0	487.2
152.5°	500.1	500.4	500.7	501.0	501.3	501.5	501.5	501.6	501.7	501.8	501.9
155°	515.7	515.7	515.7	515.7	515.7	515.7	515.8	515.9	516.0	516.1	516.2
157.5°	529.1	529.0	528.9	528.8	528.7	528.6	528.7	528.8	528.9	529.0	529.1
160°	541.5	541.3	541.1	540.9	540.7	540.6	540.6	540.6	540.6	540.6	540.6
162.5°	552.5	552.2	551.9	551.6	551.3	551.2	551.2	551.3	551.4	551.5	551.6
165°	561.7	561.4	561.1	560.8	560.5	560.4	560.4	560.4	560.4	560.4	560.4
167.5°	569.6	569.2	568.8	568.3	567.9	567.7	567.8	567.9	568.0	568.1	568.2
170°	576.0	575.6	575.2	574.8	574.4	574.2	574.2	574.2	574.2	574.2	574.2
172.5°	581.1	580.7	580.3	579.8	579.4	579.2	579.2	579.2	579.2	579.2	579.2
175°	584.3	583.9	583.5	583.0	582.6	582.4	582.4	582.4	582.4	582.4	582.4
177.5°	586.1	585.7	585.3	584.9	584.5	584.3	584.3	584.3	584.3	584.3	584.3
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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°	11.4	11.8	12.3	12.7	12.9	13.0	13.2	13.4	13.6	13.8	13.6
92.5°	19.6	19.9	20.2	20.5	20.7	20.6	20.4	20.2	20.0	19.8	20.0
95°	34.4	34.8	35.3	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9
97.5°	50.2	50.7	51.2	51.7	52.0	51.9	51.8	51.7	51.6	51.5	51.6
100°	67.9	68.2	68.5	68.8	69.0	69.1	69.3	69.5	69.7	69.9	69.7
102.5°	88.2	88.5	88.8	89.1	89.3	89.2	89.1	89.0	88.9	88.8	88.9
105°	108.6	108.6	108.6	108.6	108.6	108.7	108.9	109.1	109.3	109.5	109.3
107.5°	130.0	130.3	130.6	130.9	131.1	131.1	131.0	130.9	130.8	130.7	130.8
110°	151.8	152.2	152.6	153.0	153.2	153.1	152.9	152.7	152.5	152.3	152.5

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	173.5	174.0	174.5	175.0	175.3	175.3	175.3	175.3	175.3	175.3	175.3
115°	196.1	196.2	196.3	196.4	196.4	196.4	196.3	196.2	196.1	196.0	196.1
117.5°	218.5	218.5	218.5	218.5	218.5	218.4	218.1	217.8	217.5	217.2	217.5
120°	241.0	240.9	240.8	240.7	240.6	240.5	240.3	240.1	239.9	239.7	239.9
122.5°	263.8	263.5	263.2	262.9	262.7	262.5	262.2	261.9	261.6	261.3	261.6
125°	286.2	285.8	285.4	285.0	284.8	284.6	284.2	283.7	283.3	282.9	283.3
127.5°	308.6	308.0	307.3	306.7	306.4	306.2	305.8	305.4	305.0	304.6	305.0
130°	330.4	330.0	329.5	329.1	328.9	328.5	327.8	327.1	326.4	325.7	326.4
132.5°	351.9	351.4	350.9	350.4	350.1	349.8	349.3	348.8	348.3	347.8	348.3
135°	373.2	372.8	372.3	371.9	371.7	371.6	371.4	371.2	371.0	370.8	371.0
137.5°	394.2	393.7	393.2	392.7	392.4	392.3	392.0	391.7	391.4	391.1	391.4
140°	414.4	414.3	414.2	414.1	414.1	413.7	413.0	412.3	411.5	410.8	411.5
142.5°	433.7	433.6	433.5	433.4	433.4	433.1	432.6	432.1	431.6	431.1	431.6
145°	452.6	452.5	452.4	452.3	452.2	452.0	451.6	451.2	450.8	450.4	450.8
147.5°	470.6	470.6	470.6	470.6	470.6	470.3	469.7	469.1	468.5	467.9	468.5
150°	487.2	487.2	487.2	487.2	487.2	486.9	486.3	485.6	485.0	484.4	485.0
152.5°	502.1	502.3	502.6	502.8	502.9	502.6	502.1	501.6	501.0	500.5	501.0
155°	516.6	517.0	517.4	517.8	518.0	517.6	516.9	516.2	515.5	514.8	515.5
157.5°	529.5	529.9	530.3	530.7	530.9	530.6	530.0	529.4	528.8	528.2	528.8
160°	541.1	541.6	542.1	542.6	542.9	542.7	542.3	541.8	541.4	541.0	541.4
162.5°	552.1	552.6	553.1	553.6	553.9	553.5	552.8	552.1	551.4	550.7	551.4
165°	561.0	561.6	562.2	562.8	563.1	562.7	562.0	561.3	560.6	559.9	560.6
167.5°	568.8	569.4	570.0	570.6	570.9	570.6	570.0	569.4	568.8	568.2	568.8
170°	574.9	575.6	576.3	577.0	577.4	577.0	576.3	575.6	574.9	574.2	574.9
172.5°	579.8	580.4	581.1	581.7	582.0	581.6	580.9	580.2	579.5	578.8	579.5
175°	583.0	583.6	584.3	584.9	585.2	584.8	584.1	583.4	582.7	582.0	582.7
177.5°	584.9	585.5	586.1	586.7	587.0	586.6	585.9	585.2	584.5	583.8	584.5
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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°	13.4	13.2	13.0	12.9	12.7	12.3	11.8	11.4	11.0	9.7	8.4
92.5°	20.2	20.4	20.6	20.7	20.5	20.2	19.9	19.6	19.3	18.7	18.1
95°	35.9	35.9	35.9	35.9	35.7	35.3	34.8	34.4	34.0	33.2	32.4
97.5°	51.7	51.8	51.9	52.0	51.7	51.2	50.7	50.2	49.7	49.1	48.5
100°	69.5	69.3	69.1	69.0	68.8	68.5	68.2	67.9	67.6	67.1	66.6
102.5°	89.0	89.1	89.2	89.3	89.1	88.8	88.5	88.2	87.9	87.2	86.5
105°	109.1	108.9	108.7	108.6	108.6	108.6	108.6	108.6	108.6	107.7	106.7
107.5°	130.9	131.0	131.1	131.1	130.9	130.6	130.3	130.0	129.7	129.3	128.9
110°	152.7	152.9	153.1	153.2	153.0	152.6	152.2	151.8	151.4	151.2	151.0

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	175.3	175.3	175.3	175.3	175.0	174.5	174.0	173.5	173.0	173.0	173.0
115°	196.2	196.3	196.4	196.4	196.4	196.3	196.2	196.1	196.0	196.2	196.4
117.5°	217.8	218.1	218.4	218.5	218.5	218.5	218.5	218.5	218.5	218.7	218.9
120°	240.1	240.3	240.5	240.6	240.7	240.8	240.9	241.0	241.1	241.6	242.1
122.5°	261.9	262.2	262.5	262.7	262.9	263.2	263.5	263.8	264.1	264.3	264.5
125°	283.7	284.2	284.6	284.8	285.0	285.4	285.8	286.2	286.6	286.8	287.0
127.5°	305.4	305.8	306.2	306.4	306.7	307.3	308.0	308.6	309.2	309.4	309.6
130°	327.1	327.8	328.5	328.9	329.1	329.5	330.0	330.4	330.8	331.1	331.4
132.5°	348.8	349.3	349.8	350.1	350.4	350.9	351.4	351.9	352.4	352.6	352.8
135°	371.2	371.4	371.6	371.7	371.9	372.3	372.8	373.2	373.6	373.7	373.8
137.5°	391.7	392.0	392.3	392.4	392.7	393.2	393.7	394.2	394.7	394.4	394.1
140°	412.3	413.0	413.7	414.1	414.1	414.2	414.3	414.4	414.5	414.4	414.3
142.5°	432.1	432.6	433.1	433.4	433.4	433.5	433.6	433.7	433.8	433.6	433.4
145°	451.2	451.6	452.0	452.2	452.3	452.4	452.5	452.6	452.7	452.4	452.1
147.5°	469.1	469.7	470.3	470.6	470.6	470.6	470.6	470.6	470.6	470.3	470.0
150°	485.6	486.3	486.9	487.2	487.2	487.2	487.2	487.2	487.2	487.0	486.8
152.5°	501.6	502.1	502.6	502.9	502.8	502.6	502.3	502.1	501.9	501.8	501.7
155°	516.2	516.9	517.6	518.0	517.8	517.4	517.0	516.6	516.2	516.1	516.0
157.5°	529.4	530.0	530.6	530.9	530.7	530.3	529.9	529.5	529.1	529.0	528.9
160°	541.8	542.3	542.7	542.9	542.6	542.1	541.6	541.1	540.6	540.6	540.6
162.5°	552.1	552.8	553.5	553.9	553.6	553.1	552.6	552.1	551.6	551.5	551.4
165°	561.3	562.0	562.7	563.1	562.8	562.2	561.6	561.0	560.4	560.4	560.4
167.5°	569.4	570.0	570.6	570.9	570.6	570.0	569.4	568.8	568.2	568.1	568.0
170°	575.6	576.3	577.0	577.4	577.0	576.3	575.6	574.9	574.2	574.2	574.2
172.5°	580.2	580.9	581.6	582.0	581.7	581.1	580.4	579.8	579.2	579.2	579.2
175°	583.4	584.1	584.8	585.2	584.9	584.3	583.6	583.0	582.4	582.4	582.4
177.5°	585.2	585.9	586.6	587.0	586.7	586.1	585.5	584.9	584.3	584.3	584.3
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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°	7.1	5.8	5.1	4.6	3.6	2.5	1.5	0.5	1.5	2.5	3.6
92.5°	17.5	16.9	16.6	16.3	15.7	15.0	14.4	13.8	14.4	15.0	15.7
95°	31.6	30.8	30.4	30.0	29.3	28.6	27.8	27.1	27.8	28.6	29.3
97.5°	47.8	47.2	46.9	46.6	46.1	45.6	45.1	44.6	45.1	45.6	46.1
100°	66.1	65.6	65.3	65.0	64.4	63.8	63.2	62.6	63.2	63.8	64.4
102.5°	85.8	85.1	84.7	84.5	84.2	83.9	83.6	83.3	83.6	83.9	84.2
105°	105.8	104.9	104.4	104.3	104.1	103.9	103.7	103.5	103.7	103.9	104.1
107.5°	128.5	128.1	127.9	127.8	127.7	127.6	127.5	127.4	127.5	127.6	127.7
110°	150.7	150.5	150.4	150.3	150.1	149.9	149.7	149.5	149.7	149.9	150.1

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	173.0	173.0	173.0	172.9	172.8	172.7	172.6	172.5	172.6	172.7	172.8
115°	196.6	196.8	196.9	196.7	196.4	196.1	195.8	195.5	195.8	196.1	196.4
117.5°	219.2	219.4	219.5	219.4	219.3	219.2	219.1	219.0	219.1	219.2	219.3
120°	242.6	243.1	243.4	243.1	242.5	241.8	241.2	240.6	241.2	241.8	242.5
122.5°	264.7	264.9	265.0	264.8	264.4	264.0	263.6	263.2	263.6	264.0	264.4
125°	287.2	287.4	287.5	287.4	287.1	286.8	286.5	286.2	286.5	286.8	287.1
127.5°	309.8	310.0	310.1	309.8	309.2	308.5	307.9	307.3	307.9	308.5	309.2
130°	331.7	332.0	332.2	331.8	331.0	330.1	329.3	328.5	329.3	330.1	331.0
132.5°	353.0	353.2	353.3	352.9	352.1	351.2	350.4	349.6	350.4	351.2	352.1
135°	373.9	374.0	374.0	373.7	373.1	372.5	371.9	371.3	371.9	372.5	373.1
137.5°	393.8	393.5	393.4	393.1	392.6	392.1	391.6	391.1	391.6	392.1	392.6
140°	414.2	414.1	414.1	413.8	413.3	412.8	412.3	411.8	412.3	412.8	413.3
142.5°	433.2	433.0	432.9	432.6	432.1	431.6	431.1	430.6	431.1	431.6	432.1
145°	451.8	451.5	451.3	451.2	451.0	450.8	450.6	450.4	450.6	450.8	451.0
147.5°	469.7	469.4	469.3	469.1	468.7	468.2	467.8	467.4	467.8	468.2	468.7
150°	486.6	486.4	486.3	486.2	486.0	485.8	485.6	485.4	485.6	485.8	486.0
152.5°	501.6	501.5	501.5	501.3	501.0	500.7	500.4	500.1	500.4	500.7	501.0
155°	515.9	515.8	515.7	515.7	515.7	515.7	515.7	515.7	515.7	515.7	515.7
157.5°	528.8	528.7	528.6	528.7	528.8	528.9	529.0	529.1	529.0	528.9	528.8
160°	540.6	540.6	540.6	540.7	540.9	541.1	541.3	541.5	541.3	541.1	540.9
162.5°	551.3	551.2	551.2	551.3	551.6	551.9	552.2	552.5	552.2	551.9	551.6
165°	560.4	560.4	560.4	560.5	560.8	561.1	561.4	561.7	561.4	561.1	560.8
167.5°	567.9	567.8	567.7	567.9	568.3	568.8	569.2	569.6	569.2	568.8	568.3
170°	574.2	574.2	574.2	574.4	574.8	575.2	575.6	576.0	575.6	575.2	574.8
172.5°	579.2	579.2	579.2	579.4	579.8	580.3	580.7	581.1	580.7	580.3	579.8
175°	582.4	582.4	582.4	582.6	583.0	583.5	583.9	584.3	583.9	583.5	583.0
177.5°	584.3	584.3	584.3	584.5	584.9	585.3	585.7	586.1	585.7	585.3	584.9
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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°	4.6	5.1	5.8	7.1	8.4	9.7	11.0	11.4	11.8	12.3	12.7
92.5°	16.3	16.6	16.9	17.5	18.1	18.7	19.3	19.6	19.9	20.2	20.5
95°	30.0	30.4	30.8	31.6	32.4	33.2	34.0	34.4	34.8	35.3	35.7
97.5°	46.6	46.9	47.2	47.8	48.5	49.1	49.7	50.2	50.7	51.2	51.7
100°	65.0	65.3	65.6	66.1	66.6	67.1	67.6	67.9	68.2	68.5	68.8
102.5°	84.5	84.7	85.1	85.8	86.5	87.2	87.9	88.2	88.5	88.8	89.1
105°	104.3	104.4	104.9	105.8	106.7	107.7	108.6	108.6	108.6	108.6	108.6
107.5°	127.8	127.9	128.1	128.5	128.9	129.3	129.7	130.0	130.3	130.6	130.9
110°	150.3	150.4	150.5	150.7	151.0	151.2	151.4	151.8	152.2	152.6	153.0

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	172.9	173.0	173.0	173.0	173.0	173.0	173.0	173.5	174.0	174.5	175.0
115°	196.7	196.9	196.8	196.6	196.4	196.2	196.0	196.1	196.2	196.3	196.4
117.5°	219.4	219.5	219.4	219.2	218.9	218.7	218.5	218.5	218.5	218.5	218.5
120°	243.1	243.4	243.1	242.6	242.1	241.6	241.1	241.0	240.9	240.8	240.7
122.5°	264.8	265.0	264.9	264.7	264.5	264.3	264.1	263.8	263.5	263.2	262.9
125°	287.4	287.5	287.4	287.2	287.0	286.8	286.6	286.2	285.8	285.4	285.0
127.5°	309.8	310.1	310.0	309.8	309.6	309.4	309.2	308.6	308.0	307.3	306.7
130°	331.8	332.2	332.0	331.7	331.4	331.1	330.8	330.4	330.0	329.5	329.1
132.5°	352.9	353.3	353.2	353.0	352.8	352.6	352.4	351.9	351.4	350.9	350.4
135°	373.7	374.0	374.0	373.9	373.8	373.7	373.6	373.2	372.8	372.3	371.9
137.5°	393.1	393.4	393.5	393.8	394.1	394.4	394.7	394.2	393.7	393.2	392.7
140°	413.8	414.1	414.1	414.2	414.3	414.4	414.5	414.4	414.3	414.2	414.1
142.5°	432.6	432.9	433.0	433.2	433.4	433.6	433.8	433.7	433.6	433.5	433.4
145°	451.2	451.3	451.5	451.8	452.1	452.4	452.7	452.6	452.5	452.4	452.3
147.5°	469.1	469.3	469.4	469.7	470.0	470.3	470.6	470.6	470.6	470.6	470.6
150°	486.2	486.3	486.4	486.6	486.8	487.0	487.2	487.2	487.2	487.2	487.2
152.5°	501.3	501.5	501.5	501.6	501.7	501.8	501.9	502.1	502.3	502.6	502.8
155°	515.7	515.7	515.8	515.9	516.0	516.1	516.2	516.6	517.0	517.4	517.8
157.5°	528.7	528.6	528.7	528.8	528.9	529.0	529.1	529.5	529.9	530.3	530.7
160°	540.7	540.6	540.6	540.6	540.6	540.6	540.6	541.1	541.6	542.1	542.6
162.5°	551.3	551.2	551.2	551.3	551.4	551.5	551.6	552.1	552.6	553.1	553.6
165°	560.5	560.4	560.4	560.4	560.4	560.4	560.4	561.0	561.6	562.2	562.8
167.5°	567.9	567.7	567.8	567.9	568.0	568.1	568.2	568.8	569.4	570.0	570.6
170°	574.4	574.2	574.2	574.2	574.2	574.2	574.2	574.9	575.6	576.3	577.0
172.5°	579.4	579.2	579.2	579.2	579.2	579.2	579.2	579.8	580.4	581.1	581.7
175°	582.6	582.4	582.4	582.4	582.4	582.4	582.4	583.0	583.6	584.3	584.9
177.5°	584.5	584.3	584.3	584.3	584.3	584.3	584.3	584.9	585.5	586.1	586.7
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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°	12.9	13.0	13.2	13.4	13.6	13.8	13.6	13.4	13.2	13.0	12.9
92.5°	20.7	20.6	20.4	20.2	20.0	19.8	20.0	20.2	20.4	20.6	20.7
95°	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
97.5°	52.0	51.9	51.8	51.7	51.6	51.5	51.6	51.7	51.8	51.9	52.0
100°	69.0	69.1	69.3	69.5	69.7	69.9	69.7	69.5	69.3	69.1	69.0
102.5°	89.3	89.2	89.1	89.0	88.9	88.8	88.9	89.0	89.1	89.2	89.3
105°	108.6	108.7	108.9	109.1	109.3	109.5	109.3	109.1	108.9	108.7	108.6
107.5°	131.1	131.1	131.0	130.9	130.8	130.7	130.8	130.9	131.0	131.1	131.1
110°	153.2	153.1	152.9	152.7	152.5	152.3	152.5	152.7	152.9	153.1	153.2

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3
115°	196.4	196.4	196.3	196.2	196.1	196.0	196.1	196.2	196.3	196.4	196.4
117.5°	218.5	218.4	218.1	217.8	217.5	217.2	217.5	217.8	218.1	218.4	218.5
120°	240.6	240.5	240.3	240.1	239.9	239.7	239.9	240.1	240.3	240.5	240.6
122.5°	262.7	262.5	262.2	261.9	261.6	261.3	261.6	261.9	262.2	262.5	262.7
125°	284.8	284.6	284.2	283.7	283.3	282.9	283.3	283.7	284.2	284.6	284.8
127.5°	306.4	306.2	305.8	305.4	305.0	304.6	305.0	305.4	305.8	306.2	306.4
130°	328.9	328.5	327.8	327.1	326.4	325.7	326.4	327.1	327.8	328.5	328.9
132.5°	350.1	349.8	349.3	348.8	348.3	347.8	348.3	348.8	349.3	349.8	350.1
135°	371.7	371.6	371.4	371.2	371.0	370.8	371.0	371.2	371.4	371.6	371.7
137.5°	392.4	392.3	392.0	391.7	391.4	391.1	391.4	391.7	392.0	392.3	392.4
140°	414.1	413.7	413.0	412.3	411.5	410.8	411.5	412.3	413.0	413.7	414.1
142.5°	433.4	433.1	432.6	432.1	431.6	431.1	431.6	432.1	432.6	433.1	433.4
145°	452.2	452.0	451.6	451.2	450.8	450.4	450.8	451.2	451.6	452.0	452.2
147.5°	470.6	470.3	469.7	469.1	468.5	467.9	468.5	469.1	469.7	470.3	470.6
150°	487.2	486.9	486.3	485.6	485.0	484.4	485.0	485.6	486.3	486.9	487.2
152.5°	502.9	502.6	502.1	501.6	501.0	500.5	501.0	501.6	502.1	502.6	502.9
155°	518.0	517.6	516.9	516.2	515.5	514.8	515.5	516.2	516.9	517.6	518.0
157.5°	530.9	530.6	530.0	529.4	528.8	528.2	528.8	529.4	530.0	530.6	530.9
160°	542.9	542.7	542.3	541.8	541.4	541.0	541.4	541.8	542.3	542.7	542.9
162.5°	553.9	553.5	552.8	552.1	551.4	550.7	551.4	552.1	552.8	553.5	553.9
165°	563.1	562.7	562.0	561.3	560.6	559.9	560.6	561.3	562.0	562.7	563.1
167.5°	570.9	570.6	570.0	569.4	568.8	568.2	568.8	569.4	570.0	570.6	570.9
170°	577.4	577.0	576.3	575.6	574.9	574.2	574.9	575.6	576.3	577.0	577.4
172.5°	582.0	581.6	580.9	580.2	579.5	578.8	579.5	580.2	580.9	581.6	582.0
175°	585.2	584.8	584.1	583.4	582.7	582.0	582.7	583.4	584.1	584.8	585.2
177.5°	587.0	586.6	585.9	585.2	584.5	583.8	584.5	585.2	585.9	586.6	587.0
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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°	12.7	12.3	11.8	11.4	11.0	9.7	8.4	7.1	5.8	5.1	4.6
92.5°	20.5	20.2	19.9	19.6	19.3	18.7	18.1	17.5	16.9	16.6	16.3
95°	35.7	35.3	34.8	34.4	34.0	33.2	32.4	31.6	30.8	30.4	30.0
97.5°	51.7	51.2	50.7	50.2	49.7	49.1	48.5	47.8	47.2	46.9	46.6
100°	68.8	68.5	68.2	67.9	67.6	67.1	66.6	66.1	65.6	65.3	65.0
102.5°	89.1	88.8	88.5	88.2	87.9	87.2	86.5	85.8	85.1	84.7	84.5
105°	108.6	108.6	108.6	108.6	108.6	107.7	106.7	105.8	104.9	104.4	104.3
107.5°	130.9	130.6	130.3	130.0	129.7	129.3	128.9	128.5	128.1	127.9	127.8
110°	153.0	152.6	152.2	151.8	151.4	151.2	151.0	150.7	150.5	150.4	150.3

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	175.0	174.5	174.0	173.5	173.0	173.0	173.0	173.0	173.0	173.0	172.9
115°	196.4	196.3	196.2	196.1	196.0	196.2	196.4	196.6	196.8	196.9	196.7
117.5°	218.5	218.5	218.5	218.5	218.5	218.7	218.9	219.2	219.4	219.5	219.4
120°	240.7	240.8	240.9	241.0	241.1	241.6	242.1	242.6	243.1	243.4	243.1
122.5°	262.9	263.2	263.5	263.8	264.1	264.3	264.5	264.7	264.9	265.0	264.8
125°	285.0	285.4	285.8	286.2	286.6	286.8	287.0	287.2	287.4	287.5	287.4
127.5°	306.7	307.3	308.0	308.6	309.2	309.4	309.6	309.8	310.0	310.1	309.8
130°	329.1	329.5	330.0	330.4	330.8	331.1	331.4	331.7	332.0	332.2	331.8
132.5°	350.4	350.9	351.4	351.9	352.4	352.6	352.8	353.0	353.2	353.3	352.9
135°	371.9	372.3	372.8	373.2	373.6	373.7	373.8	373.9	374.0	374.0	373.7
137.5°	392.7	393.2	393.7	394.2	394.7	394.4	394.1	393.8	393.5	393.4	393.1
140°	414.1	414.2	414.3	414.4	414.5	414.4	414.3	414.2	414.1	414.1	413.8
142.5°	433.4	433.5	433.6	433.7	433.8	433.6	433.4	433.2	433.0	432.9	432.6
145°	452.3	452.4	452.5	452.6	452.7	452.4	452.1	451.8	451.5	451.3	451.2
147.5°	470.6	470.6	470.6	470.6	470.6	470.3	470.0	469.7	469.4	469.3	469.1
150°	487.2	487.2	487.2	487.2	487.2	487.0	486.8	486.6	486.4	486.3	486.2
152.5°	502.8	502.6	502.3	502.1	501.9	501.8	501.7	501.6	501.5	501.5	501.3
155°	517.8	517.4	517.0	516.6	516.2	516.1	516.0	515.9	515.8	515.7	515.7
157.5°	530.7	530.3	529.9	529.5	529.1	529.0	528.9	528.8	528.7	528.6	528.7
160°	542.6	542.1	541.6	541.1	540.6	540.6	540.6	540.6	540.6	540.6	540.7
162.5°	553.6	553.1	552.6	552.1	551.6	551.5	551.4	551.3	551.2	551.2	551.3
165°	562.8	562.2	561.6	561.0	560.4	560.4	560.4	560.4	560.4	560.4	560.5
167.5°	570.6	570.0	569.4	568.8	568.2	568.1	568.0	567.9	567.8	567.7	567.9
170°	577.0	576.3	575.6	574.9	574.2	574.2	574.2	574.2	574.2	574.2	574.4
172.5°	581.7	581.1	580.4	579.8	579.2	579.2	579.2	579.2	579.2	579.2	579.4
175°	584.9	584.3	583.6	583.0	582.4	582.4	582.4	582.4	582.4	582.4	582.6
177.5°	586.7	586.1	585.5	584.9	584.3	584.3	584.3	584.3	584.3	584.3	584.5
180°	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7	585.7

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

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°	3.6	2.5	1.5	0.5
92.5°	15.7	15.0	14.4	13.8
95°	29.3	28.6	27.8	27.1
97.5°	46.1	45.6	45.1	44.6
100°	64.4	63.8	63.2	62.6
102.5°	84.2	83.9	83.6	83.3
105°	104.1	103.9	103.7	103.5
107.5°	127.7	127.6	127.5	127.4
110°	150.1	149.9	149.7	149.5

TEST NUMBER: P1031793

CATALOG NUMBER: S123DIW-B560D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	172.8	172.7	172.6	172.5
115°	196.4	196.1	195.8	195.5
117.5°	219.3	219.2	219.1	219.0
120°	242.5	241.8	241.2	240.6
122.5°	264.4	264.0	263.6	263.2
125°	287.1	286.8	286.5	286.2
127.5°	309.2	308.5	307.9	307.3
130°	331.0	330.1	329.3	328.5
132.5°	352.1	351.2	350.4	349.6
135°	373.1	372.5	371.9	371.3
137.5°	392.6	392.1	391.6	391.1
140°	413.3	412.8	412.3	411.8
142.5°	432.1	431.6	431.1	430.6
145°	451.0	450.8	450.6	450.4
147.5°	468.7	468.2	467.8	467.4
150°	486.0	485.8	485.6	485.4
152.5°	501.0	500.7	500.4	500.1
155°	515.7	515.7	515.7	515.7
157.5°	528.8	528.9	529.0	529.1
160°	540.9	541.1	541.3	541.5
162.5°	551.6	551.9	552.2	552.5
165°	560.8	561.1	561.4	561.7
167.5°	568.3	568.8	569.2	569.6
170°	574.8	575.2	575.6	576.0
172.5°	579.8	580.3	580.7	581.1
175°	583.0	583.5	583.9	584.3
177.5°	584.9	585.3	585.7	586.1
180°	585.7	585.7	585.7	585.7

(END OF REPORT)