

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: P1031937

Luminaire Tested: S123DIW-B775D460UB35-4F0-XX-W2A-A1

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031937
REPORT IS A COMBINATION OF REPORTS P992077 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B775D460UB35-4F0-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

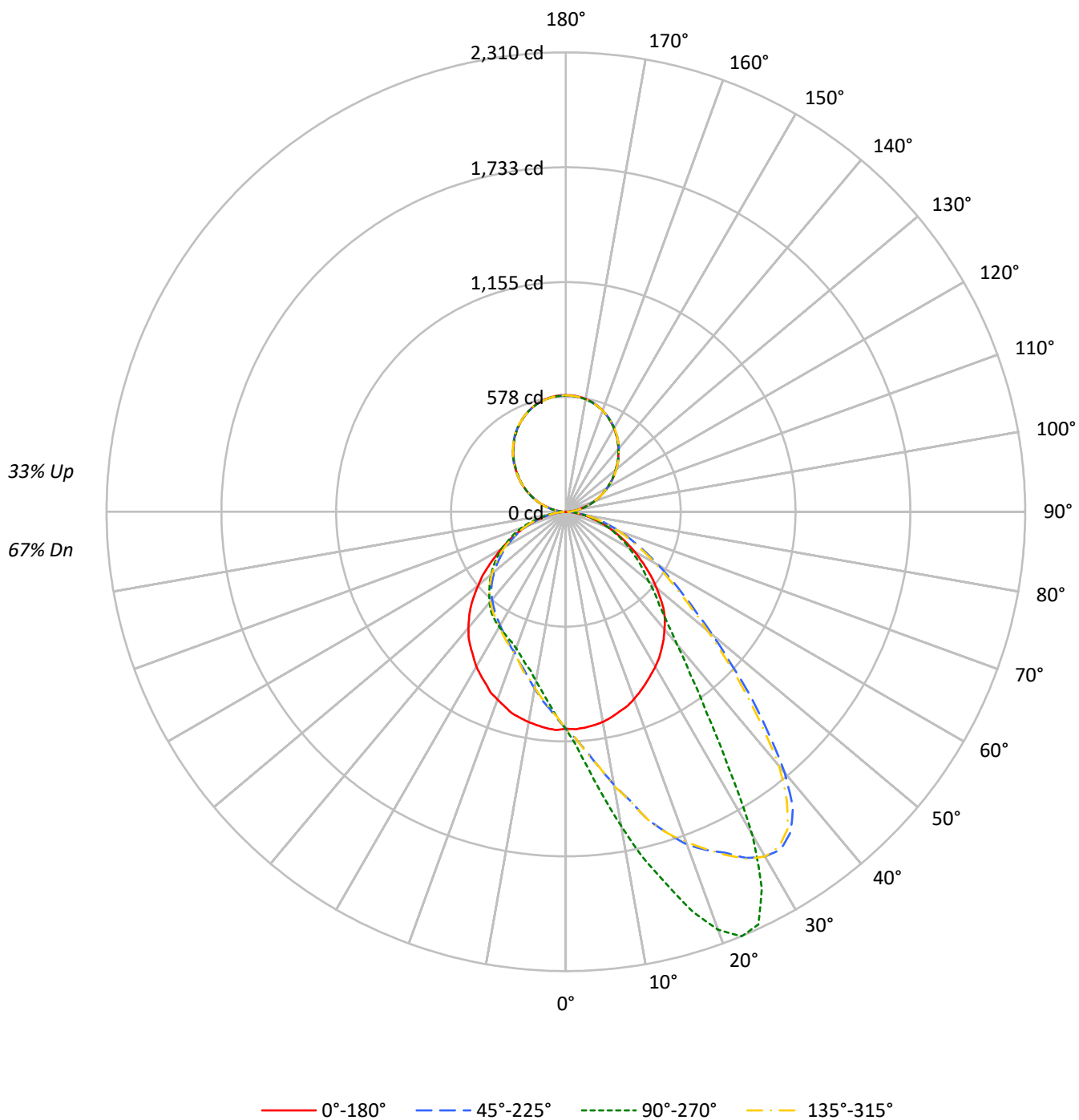
Lumens per Lamp: N/A
Luminaire Lumens: 4917.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 49.1
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	105	105	105	105	93	93	93	82	82	82	72	72	72
1	102	98	94	90	96	92	89	86	82	79	77	73	71	69	64	63	61
2	93	86	80	74	88	81	76	71	72	68	64	64	61	58	57	54	52
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	47	45
4	78	67	59	53	73	64	57	51	57	51	47	51	47	43	45	42	39
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34
6	66	54	46	40	62	51	44	39	46	40	36	42	37	33	37	33	30
7	61	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27
8	57	45	37	31	54	43	35	30	39	32	28	35	30	26	31	27	24
9	53	41	33	28	50	39	32	27	35	29	25	32	27	24	29	25	22
10	50	38	30	25	47	36	29	24	33	27	23	30	25	21	27	23	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11745	11745	11745	11745
5°	11752	13532	11786	10099
10°	11677	16375	11688	8819
15°	11516	19419	11610	7938
20°	11378	22358	11401	7304
25°	11170	22922	11195	6974
30°	11023	18937	11023	6757
35°	10840	12665	10773	6566
40°	10622	9142	10491	6273
45°	10347	7243	10048	5908
50°	9679	6151	9336	5551
55°	8946	5404	8581	5152
60°	8202	4705	7767	4732
65°	7385	4029	7027	4175
70°	6538	3345	6102	3519
75°	5592	2523	5227	2716
80°	4419	1684	4077	1785
85°	3045	774	2440	703

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 18941 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	2.2
10°-20°	344.6	7.0
20°-30°	579.9	11.8
30°-40°	655.3	13.3
40°-50°	587.0	11.9
50°-60°	473.8	9.6
60°-70°	330.2	6.7
70°-80°	173.3	3.5
80°-90°	42.8	0.9
90°-100°	37.7	0.8
100°-110°	114.1	2.3
110°-120°	194.3	4.0
120°-130°	255.6	5.2
130°-140°	287.3	5.8
140°-150°	282.4	5.7
150°-160°	237.8	4.8
160°-170°	158.3	3.2
170°-180°	55.4	1.1
0°-30°	1031.8	21.0
0°-40°	1687.2	34.3
0°-60°	2748.0	55.9
0°-90°	3294.2	67.0
90°-120°	346.1	7.0
90°-150°	1171.3	23.8
90°-180°	1623.0	33.0
0°-180°	4917.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1091	1091	1091	1091	1091	
5°	1090	1296	1093	967	1090	103
15°	1040	1929	1049	789	1040	294
25°	952	2290	954	697	952	439
35°	839	1234	834	640	839	525
45°	697	666	677	543	697	533
55°	494	452	474	431	494	442
65°	306	294	291	304	306	304
75°	147	151	137	163	147	158
85°	32	35	25	32	32	37
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1094.2	1102.7	1106.9	1113.3	1119.6	1129.1	1132.3	1137.6	1135.5	1139.7	1141.8
5°	1090.0	1104.8	1117.5	1133.4	1148.2	1158.7	1169.3	1186.2	1198.9	1201.0	1210.5
7.5°	1082.6	1103.7	1126.0	1148.2	1176.7	1193.6	1212.6	1235.9	1254.9	1285.6	1297.2
10°	1073.1	1102.7	1134.4	1165.1	1204.2	1230.6	1253.9	1293.0	1332.1	1363.8	1393.4
12.5°	1058.3	1095.3	1136.5	1182.0	1232.7	1263.4	1295.1	1346.9	1406.1	1454.7	1486.5
15°	1040.3	1086.8	1139.7	1188.3	1244.4	1301.5	1335.3	1393.4	1478.0	1523.5	1604.9
17.5°	1025.5	1073.1	1126.0	1202.1	1278.2	1335.3	1359.6	1466.4	1524.5	1600.6	1692.6
20°	1002.3	1062.5	1130.2	1206.3	1304.6	1339.5	1389.2	1497.0	1568.9	1668.3	1781.4
22.5°	977.9	1042.4	1123.8	1203.1	1313.1	1350.1	1417.7	1503.4	1617.6	1715.9	1840.6
25°	951.5	1021.3	1103.7	1197.8	1305.7	1359.6	1423.0	1528.8	1652.5	1776.1	1891.4
27.5°	925.1	1001.2	1086.8	1180.9	1285.6	1349.0	1412.5	1522.4	1681.0	1815.3	1962.2
30°	899.7	975.8	1061.5	1157.7	1267.6	1328.9	1389.2	1526.6	1703.2	1854.4	2002.4
32.5°	872.2	950.5	1040.3	1120.7	1231.7	1297.2	1364.9	1526.6	1716.9	1877.6	2013.0
35°	839.4	919.8	997.0	1077.3	1187.3	1260.2	1336.3	1516.1	1729.6	1885.0	1968.6
37.5°	807.7	878.6	945.2	1023.4	1138.6	1216.9	1304.6	1503.4	1723.3	1853.3	1876.6
40°	771.8	842.6	896.5	969.5	1091.1	1182.0	1270.8	1486.5	1695.8	1778.3	1710.6
42.5°	736.9	792.9	839.4	910.3	1042.4	1131.2	1227.4	1455.8	1641.9	1658.8	1506.6
45°	696.7	736.9	778.1	858.5	989.6	1080.5	1187.3	1411.4	1555.2	1506.6	1314.1
47.5°	644.9	680.9	726.3	800.3	933.5	1027.6	1129.1	1354.3	1429.4	1327.9	1117.5
50°	595.2	625.9	668.2	740.1	874.3	966.3	1074.1	1264.4	1301.5	1141.8	963.1
52.5°	545.5	568.8	610.0	681.9	816.2	905.0	1003.3	1172.5	1151.3	980.1	821.5
55°	493.7	513.8	552.9	623.8	748.5	833.1	927.2	1059.3	1004.4	841.6	714.7
57.5°	443.0	464.1	504.3	563.5	680.9	763.3	838.4	942.0	859.5	729.5	617.4
60°	397.5	415.5	446.2	504.3	611.1	677.7	746.4	817.2	748.5	622.7	537.1
62.5°	349.9	366.9	395.4	448.3	540.2	599.4	654.4	712.6	636.5	544.5	468.4
65°	305.5	319.3	345.7	394.3	469.4	518.0	562.4	602.6	541.3	456.7	399.6
67.5°	265.4	277.0	299.2	342.5	406.0	440.9	476.8	510.6	458.8	391.2	342.5
70°	222.0	231.5	251.6	283.3	334.1	370.0	396.5	421.8	375.3	321.4	288.6
72.5°	184.0	193.5	206.2	238.9	273.8	296.0	324.6	338.3	311.9	267.5	234.7
75°	147.0	154.4	166.0	187.1	219.9	234.7	252.7	263.3	238.9	209.3	189.2
77.5°	115.2	118.4	126.9	141.7	163.9	180.8	194.5	200.9	184.0	164.9	148.0
80°	81.4	85.6	92.0	104.7	121.6	126.9	135.3	142.7	132.2	115.2	104.7
82.5°	53.9	59.2	62.4	67.7	78.2	84.6	86.7	93.0	83.5	77.2	72.9
85°	31.7	33.8	34.9	38.1	43.3	46.5	49.7	50.7	48.6	47.6	43.3
87.5°	15.9	15.9	15.9	18.0	19.0	21.1	22.2	22.2	22.2	21.1	20.1
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

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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

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1149.2	1151.3	1158.7	1164.0	1174.6	1173.5	1173.5	1172.5	1169.3	1174.6	1177.8
5°	1229.6	1247.5	1249.6	1272.9	1274.0	1283.5	1289.8	1284.5	1297.2	1296.2	1286.6
7.5°	1328.9	1353.3	1364.9	1387.1	1412.5	1406.1	1430.4	1434.7	1432.5	1443.1	1450.5
10°	1437.8	1480.1	1509.7	1551.0	1561.5	1567.9	1583.7	1597.5	1625.0	1603.8	1617.6
12.5°	1562.6	1593.2	1632.4	1697.9	1730.7	1751.8	1759.2	1768.7	1787.8	1776.1	1777.2
15°	1667.3	1708.5	1775.1	1856.5	1866.0	1892.4	1886.1	1943.2	1970.7	1929.4	1952.7
17.5°	1776.1	1831.1	1910.4	1981.2	2021.4	2039.4	2056.3	2111.3	2109.2	2102.8	2108.1
20°	1845.9	1935.8	2034.1	2128.2	2139.8	2153.6	2199.0	2222.3	2218.1	2236.0	2247.7
22.5°	1944.2	2039.4	2144.1	2206.4	2232.9	2248.7	2284.7	2299.5	2305.8	2310.0	2302.6
25°	2026.7	2128.2	2205.4	2260.4	2276.2	2284.7	2296.3	2300.5	2297.4	2290.0	2296.3
27.5°	2082.7	2164.2	2217.0	2242.4	2233.9	2220.2	2198.0	2183.2	2150.4	2134.5	2153.6
30°	2106.0	2141.9	2157.8	2115.5	2073.2	2039.4	1997.1	1918.9	1857.6	1875.5	1851.2
32.5°	2069.0	2045.7	1969.6	1860.7	1828.0	1773.0	1653.5	1561.5	1564.7	1516.1	1536.2
35°	1960.1	1854.4	1710.6	1545.7	1502.3	1472.7	1341.6	1321.5	1279.2	1233.8	1246.5
37.5°	1767.7	1613.3	1438.9	1317.3	1252.8	1188.3	1114.3	1069.9	1044.5	1025.5	1040.3
40°	1533.0	1344.8	1201.0	1092.1	1037.1	995.9	945.2	900.8	872.2	869.0	874.3
42.5°	1302.5	1143.9	1011.8	908.2	890.2	841.6	808.8	773.9	765.4	751.7	759.1
45°	1102.7	973.7	864.8	780.2	759.1	746.4	706.2	684.0	674.5	666.1	678.7
47.5°	957.9	822.5	743.2	692.5	671.3	650.2	628.0	613.2	605.8	606.9	605.8
50°	818.3	718.9	649.1	610.0	597.3	582.5	564.6	555.0	551.9	542.4	549.8
52.5°	704.1	632.2	583.6	546.6	537.1	526.5	511.7	506.4	499.0	496.9	496.9
55°	612.1	556.1	517.0	492.7	481.0	472.6	464.1	457.8	452.5	452.5	452.5
57.5°	540.2	491.6	463.1	441.9	437.7	429.2	419.7	419.7	412.3	411.3	414.4
60°	478.9	435.6	413.4	395.4	389.1	386.9	377.4	377.4	375.3	370.0	374.3
62.5°	416.5	384.8	365.8	352.1	345.7	345.7	338.3	333.0	333.0	334.1	332.0
65°	359.5	336.2	319.3	308.7	305.5	301.3	300.3	296.0	292.9	293.9	292.9
67.5°	308.7	290.7	279.1	270.7	265.4	263.3	260.1	260.1	258.0	259.0	253.7
70°	263.3	245.3	235.8	227.3	225.2	225.2	221.0	222.0	219.9	223.1	221.0
72.5°	216.7	203.0	195.6	192.4	190.3	189.2	187.1	185.0	184.0	186.1	185.0
75°	175.5	163.9	158.6	156.5	154.4	154.4	153.3	152.2	151.2	151.2	151.2
77.5°	136.4	129.0	122.6	124.8	121.6	122.6	119.5	119.5	120.5	119.5	119.5
80°	100.4	95.2	95.2	93.0	88.8	90.9	90.9	87.8	86.7	88.8	85.6
82.5°	66.6	65.5	63.4	62.4	60.3	61.3	60.3	59.2	58.1	60.3	58.1
85°	39.1	39.1	38.1	35.9	38.1	37.0	35.9	35.9	34.9	34.9	34.9
87.5°	20.1	18.0	18.0	16.9	18.0	15.9	16.9	15.9	14.8	15.9	14.8
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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1169.3	1172.5	1164.0	1161.9	1161.9	1166.1	1163.0	1134.4	1139.7	1133.4	1131.2
5°	1298.3	1291.9	1283.5	1279.2	1274.0	1259.2	1258.1	1225.3	1219.0	1197.8	1188.3
7.5°	1439.9	1434.7	1409.3	1406.1	1404.0	1390.3	1355.4	1320.5	1295.1	1270.8	1247.5
10°	1601.7	1585.8	1574.2	1551.0	1539.3	1520.3	1474.8	1442.1	1398.7	1361.7	1313.1
12.5°	1796.2	1778.3	1739.1	1722.2	1707.4	1654.6	1609.1	1572.1	1487.5	1462.1	1401.9
15°	1939.0	1900.9	1896.7	1859.7	1857.6	1799.4	1712.7	1672.5	1607.0	1514.0	1451.6
17.5°	2093.3	2059.5	2033.1	1988.7	1982.3	1927.3	1863.9	1765.6	1693.7	1604.9	1525.6
20°	2206.4	2188.5	2143.0	2125.0	2088.0	2041.5	1976.0	1854.4	1766.6	1677.8	1580.6
22.5°	2296.3	2278.3	2242.4	2218.1	2196.9	2136.7	2058.4	1954.8	1834.3	1718.0	1617.6
25°	2295.2	2290.0	2275.2	2263.5	2247.7	2203.3	2137.7	2038.3	1904.1	1776.1	1636.6
27.5°	2165.2	2180.0	2205.4	2218.1	2214.9	2208.6	2171.6	2088.0	1967.5	1815.3	1658.8
30°	1894.6	1948.5	1996.1	2059.5	2078.5	2125.0	2146.2	2098.6	2002.4	1860.7	1687.3
32.5°	1571.0	1649.3	1752.9	1787.8	1848.0	1937.9	2038.3	2056.3	1996.1	1887.2	1705.3
35°	1288.8	1353.3	1433.6	1488.6	1542.5	1688.4	1815.3	1925.2	1945.3	1873.4	1701.1
37.5°	1066.7	1112.2	1183.0	1229.6	1279.2	1404.0	1581.6	1724.3	1824.8	1826.9	1689.5
40°	906.0	926.1	987.5	1021.3	1068.9	1176.7	1335.3	1521.4	1668.3	1736.0	1658.8
42.5°	767.5	794.0	844.7	870.1	900.8	994.9	1099.5	1276.1	1457.9	1602.8	1601.7
45°	685.1	704.1	727.4	748.5	783.4	839.4	958.9	1091.1	1265.5	1429.4	1493.9
47.5°	612.1	630.1	653.4	659.7	683.0	735.8	808.8	924.0	1086.8	1249.6	1371.2
50°	550.8	565.6	581.5	593.1	603.7	647.0	702.0	799.3	929.3	1086.8	1238.0
52.5°	503.2	513.8	527.6	533.9	543.4	575.1	617.4	689.3	796.1	939.9	1086.8
55°	458.8	466.2	474.7	485.3	489.5	512.8	545.5	606.9	686.1	815.1	954.7
57.5°	417.6	420.8	426.1	432.4	437.7	457.8	486.3	527.6	597.3	696.7	828.9
60°	371.1	379.5	382.7	389.1	392.2	408.1	430.3	465.2	519.1	604.7	704.1
62.5°	332.0	337.3	342.5	345.7	353.1	358.4	376.4	408.1	452.5	515.9	605.8
65°	297.1	299.2	302.4	305.5	307.7	314.0	330.9	352.1	385.9	441.9	511.7
67.5°	256.9	259.0	263.3	264.3	266.4	274.9	284.4	302.4	330.9	373.2	430.3
70°	217.8	221.0	223.1	225.2	228.4	231.5	242.1	256.9	279.1	308.7	353.1
72.5°	184.0	187.1	187.1	189.2	188.2	192.4	203.0	213.6	228.4	252.7	291.8
75°	150.1	150.1	152.2	153.3	154.4	158.6	162.8	171.3	182.9	201.9	226.2
77.5°	118.4	117.4	119.5	119.5	119.5	122.6	126.9	131.1	138.5	152.2	171.3
80°	86.7	86.7	88.8	89.9	87.8	88.8	90.9	95.2	100.4	110.0	120.5
82.5°	57.1	61.3	60.3	61.3	60.3	62.4	63.4	64.5	66.6	70.8	78.2
85°	34.9	34.9	34.9	35.9	34.9	35.9	35.9	35.9	37.0	39.1	42.3
87.5°	14.8	14.8	14.8	15.9	14.8	14.8	15.9	14.8	15.9	15.9	16.9
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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1120.7	1117.5	1117.5	1115.4	1109.0	1097.4	1096.3	1098.5	1092.1	1085.8	1076.3
5°	1175.6	1155.6	1149.2	1142.9	1130.2	1109.0	1100.6	1093.2	1081.5	1067.8	1053.0
7.5°	1222.2	1193.6	1185.2	1173.5	1148.2	1118.5	1099.5	1083.7	1067.8	1048.8	1030.8
10°	1280.3	1239.1	1219.0	1202.1	1167.2	1126.0	1097.4	1074.1	1048.8	1025.5	1002.3
12.5°	1345.9	1279.2	1272.9	1231.7	1191.5	1130.2	1095.3	1061.5	1027.6	999.1	974.8
15°	1400.8	1327.9	1301.5	1274.0	1196.8	1120.7	1086.8	1048.8	1009.7	979.0	943.0
17.5°	1435.7	1375.5	1319.4	1282.4	1202.1	1134.4	1068.9	1025.5	984.3	942.0	912.4
20°	1478.0	1390.3	1341.6	1291.9	1212.6	1123.8	1058.3	1004.4	953.6	915.6	879.6
22.5°	1520.3	1401.9	1361.7	1307.8	1214.8	1113.3	1039.3	985.3	927.2	889.1	850.0
25°	1516.1	1418.8	1352.2	1306.7	1193.6	1103.7	1017.1	953.6	899.7	851.1	812.0
27.5°	1519.2	1399.8	1332.1	1279.2	1178.8	1090.0	993.8	927.2	871.2	820.4	779.2
30°	1520.3	1371.2	1312.0	1248.6	1151.3	1057.2	967.4	899.7	840.5	785.5	748.5
32.5°	1517.1	1348.0	1274.0	1216.9	1108.0	1025.5	936.7	864.8	804.6	753.8	718.9
35°	1509.7	1320.5	1234.8	1163.0	1063.6	980.1	908.2	834.2	769.7	723.1	683.0
37.5°	1489.6	1290.9	1193.6	1122.8	1011.8	927.2	863.8	802.4	740.1	685.1	651.3
40°	1474.8	1250.7	1152.4	1075.2	955.7	873.3	820.4	762.3	700.9	651.3	618.5
42.5°	1441.0	1212.6	1110.1	1018.1	900.8	816.2	766.5	720.0	667.1	618.5	588.9
45°	1386.0	1171.4	1058.3	965.3	840.5	760.1	714.7	676.6	630.1	583.6	554.0
47.5°	1308.9	1112.2	1003.3	910.3	781.3	699.9	654.4	625.9	588.9	549.8	524.4
50°	1225.3	1047.7	947.3	855.3	724.2	644.9	600.5	574.1	549.8	513.8	489.5
52.5°	1116.4	979.0	882.8	795.0	662.9	586.8	547.6	528.6	503.2	477.9	456.7
55°	1010.7	890.2	810.9	727.4	602.6	531.8	493.7	473.6	458.8	437.7	420.8
57.5°	888.1	807.7	734.8	658.7	546.6	482.1	446.2	421.8	412.3	402.8	386.9
60°	774.9	713.6	654.4	591.0	488.4	430.3	395.4	376.4	366.9	360.5	349.9
62.5°	671.3	623.8	573.0	522.3	429.2	376.4	349.9	330.9	322.5	321.4	311.9
65°	572.0	538.1	496.9	447.2	374.3	327.7	302.4	290.7	281.2	281.2	273.8
67.5°	472.6	449.3	416.5	381.7	324.6	281.2	258.0	247.4	242.1	242.1	236.8
70°	393.3	377.4	347.8	317.2	267.5	234.7	216.7	207.2	204.0	205.1	200.9
72.5°	319.3	302.4	278.1	255.8	218.8	194.5	181.8	171.3	166.0	167.0	166.0
75°	247.4	238.9	217.8	200.9	171.3	154.4	142.7	137.4	133.2	134.3	132.2
77.5°	186.1	173.4	161.8	150.1	132.2	118.4	108.9	103.6	100.4	100.4	100.4
80°	126.9	124.8	115.2	108.9	94.1	83.5	76.1	75.1	71.9	71.9	71.9
82.5°	82.5	77.2	71.9	67.7	59.2	52.9	49.7	47.6	46.5	45.5	47.6
85°	45.5	42.3	40.2	35.9	32.8	29.6	26.4	25.4	24.3	25.4	24.3
87.5°	18.0	14.8	14.8	13.7	12.7	11.6	11.6	9.5	9.5	8.5	8.5
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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1074.1	1073.1	1075.2	1068.9	1058.3	1053.0	1038.2	1035.0	1034.0	1035.0	1036.1
5°	1044.5	1043.5	1040.3	1029.7	1017.1	1007.5	989.6	988.5	982.2	975.8	979.0
7.5°	1016.0	1011.8	1005.4	991.7	974.8	964.2	949.4	938.8	930.4	925.1	920.8
10°	987.5	981.1	974.8	956.8	935.6	919.8	901.8	893.4	883.8	879.6	875.4
12.5°	950.5	944.1	932.5	911.3	898.6	878.6	860.6	852.1	846.8	838.4	833.1
15°	920.8	908.2	901.8	879.6	853.2	851.1	818.3	816.2	805.6	805.6	797.2
17.5°	887.0	877.5	865.9	843.7	824.6	805.6	788.7	782.4	772.8	770.7	766.5
20°	854.2	841.6	837.3	815.1	795.0	771.8	753.8	747.5	743.2	739.0	742.2
22.5°	820.4	809.8	799.3	779.2	764.4	741.1	730.5	724.2	717.9	715.7	716.8
25°	787.6	778.1	767.5	747.5	731.6	712.6	703.1	699.9	696.7	696.7	695.7
27.5°	755.9	746.4	736.9	718.9	703.1	689.3	681.9	678.7	675.6	677.7	679.8
30°	723.1	714.7	706.2	690.4	677.7	665.0	660.8	658.7	657.6	662.9	662.9
32.5°	693.5	686.1	679.8	665.0	652.3	641.7	638.6	639.6	640.7	643.9	646.0
35°	662.9	657.6	651.3	638.6	628.0	618.5	619.5	619.5	621.7	626.9	631.2
37.5°	635.4	628.0	622.7	612.1	603.7	595.2	598.4	601.6	603.7	610.0	612.1
40°	602.6	599.4	595.2	584.6	577.2	576.2	577.2	579.4	583.6	586.8	589.9
42.5°	576.2	572.0	566.7	558.2	551.9	552.9	554.0	556.1	558.2	563.5	566.7
45°	546.6	543.4	539.2	531.8	526.5	527.6	528.6	528.6	530.7	537.1	539.2
47.5°	513.8	514.9	509.6	502.2	499.0	499.0	499.0	501.1	506.4	508.5	509.6
50°	482.1	480.0	478.9	471.5	469.4	468.4	469.4	470.5	477.9	476.8	480.0
52.5°	448.3	448.3	447.2	443.0	439.8	439.8	437.7	443.0	445.1	447.2	450.4
55°	415.5	412.3	411.3	409.1	404.9	403.9	406.0	412.3	414.4	416.5	419.7
57.5°	379.5	379.5	377.4	374.3	374.3	374.3	374.3	378.5	381.7	383.8	390.1
60°	346.8	342.5	339.4	339.4	339.4	338.3	344.7	344.7	351.0	352.1	354.2
62.5°	307.7	305.5	303.4	304.5	303.4	305.5	307.7	311.9	312.9	316.1	319.3
65°	270.7	270.7	268.5	274.9	270.7	270.7	275.9	275.9	278.1	281.2	285.5
67.5°	234.7	235.8	233.6	233.6	235.8	236.8	237.9	242.1	243.2	247.4	252.7
70°	197.7	199.8	200.9	198.8	200.9	203.0	205.1	206.2	210.4	212.5	215.7
72.5°	164.9	167.0	163.9	164.9	166.0	168.1	169.2	171.3	173.4	179.7	181.8
75°	132.2	131.1	130.0	134.3	132.2	136.4	137.4	137.4	139.6	144.8	147.0
77.5°	101.5	101.5	102.6	100.4	103.6	102.6	103.6	106.8	110.0	110.0	118.4
80°	70.8	72.9	72.9	72.9	74.0	75.1	72.9	78.2	79.3	79.3	82.5
82.5°	45.5	46.5	45.5	47.6	47.6	49.7	48.6	49.7	51.8	53.9	55.0
85°	24.3	24.3	26.4	26.4	25.4	26.4	25.4	26.4	28.5	28.5	29.6
87.5°	8.5	8.5	8.5	8.5	9.5	8.5	9.5	9.5	8.5	8.5	11.6
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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1035.0	1036.1	1031.9	1028.7	1037.1	1031.9	1031.9	1032.9	1030.8	1034.0	1032.9
5°	976.9	977.9	970.5	972.7	968.4	967.4	966.3	972.7	971.6	970.5	972.7
7.5°	919.8	919.8	916.6	914.5	914.5	911.3	915.6	914.5	916.6	916.6	919.8
10°	872.2	874.3	869.0	863.8	862.7	863.8	863.8	864.8	865.9	873.3	872.2
12.5°	833.1	829.9	828.9	825.7	820.4	818.3	816.2	827.8	824.6	824.6	824.6
15°	789.8	797.2	796.1	786.6	784.5	788.7	786.6	786.6	797.2	796.1	795.0
17.5°	766.5	764.4	762.3	757.0	758.0	757.0	758.0	758.0	764.4	764.4	764.4
20°	740.1	735.8	735.8	733.7	733.7	730.5	734.8	735.8	740.1	740.1	741.1
22.5°	716.8	713.6	713.6	712.6	714.7	710.5	714.7	715.7	715.7	718.9	718.9
25°	696.7	694.6	694.6	696.7	696.7	696.7	696.7	700.9	697.8	698.8	697.8
27.5°	678.7	679.8	680.9	681.9	680.9	681.9	683.0	685.1	686.1	685.1	683.0
30°	661.8	665.0	666.1	666.1	668.2	669.2	670.3	670.3	671.3	668.2	670.3
32.5°	649.1	649.1	651.3	652.3	654.4	655.5	655.5	657.6	656.5	653.4	654.4
35°	631.2	631.2	635.4	637.5	640.7	639.6	640.7	640.7	641.7	639.6	636.5
37.5°	613.2	615.3	615.3	619.5	620.6	621.7	620.6	622.7	621.7	619.5	618.5
40°	592.0	591.0	592.0	595.2	596.3	596.3	596.3	598.4	598.4	598.4	597.3
42.5°	565.6	568.8	567.7	570.9	569.8	569.8	572.0	574.1	575.1	572.0	573.0
45°	540.2	540.2	542.4	542.4	543.4	543.4	547.6	545.5	547.6	545.5	546.6
47.5°	512.8	513.8	513.8	514.9	517.0	519.1	517.0	518.0	518.0	519.1	517.0
50°	482.1	482.1	484.2	487.4	491.6	489.5	488.4	492.7	489.5	489.5	487.4
52.5°	450.4	453.6	454.6	457.8	461.0	462.0	463.1	461.0	462.0	458.8	459.9
55°	419.7	420.8	425.0	428.2	431.4	431.4	430.3	431.4	432.4	428.2	428.2
57.5°	389.1	392.2	396.5	396.5	400.7	400.7	399.6	399.6	400.7	397.5	396.5
60°	356.3	359.5	364.7	364.7	371.1	372.1	370.0	367.9	367.9	364.7	365.8
62.5°	321.4	324.6	327.7	333.0	337.3	335.1	339.4	335.1	336.2	329.9	329.9
65°	290.7	291.8	297.1	302.4	302.4	304.5	302.4	303.4	300.3	300.3	296.0
67.5°	254.8	254.8	260.1	265.4	270.7	270.7	270.7	267.5	267.5	264.3	264.3
70°	223.1	222.0	227.3	230.5	233.6	234.7	232.6	231.5	229.4	226.2	225.2
72.5°	184.0	186.1	191.4	193.5	198.8	197.7	203.0	196.6	196.6	191.4	190.3
75°	149.1	151.2	156.5	159.6	162.8	162.8	166.0	162.8	158.6	156.5	155.4
77.5°	118.4	117.4	121.6	126.9	127.9	126.9	129.0	127.9	123.7	123.7	121.6
80°	84.6	87.8	92.0	90.9	95.2	94.1	94.1	92.0	92.0	88.8	90.9
82.5°	56.0	59.2	60.3	59.2	60.3	62.4	63.4	62.4	62.4	60.3	61.3
85°	29.6	29.6	31.7	32.8	31.7	31.7	32.8	35.9	33.8	31.7	33.8
87.5°	9.5	8.5	8.5	9.5	8.5	8.5	9.5	9.5	10.6	10.6	10.6
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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-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

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1	1091.1
2.5°	1036.1	1038.2	1039.3	1035.0	1031.9	1037.1	1044.5	1049.8	1054.1	1059.3	1062.5
5°	974.8	982.2	982.2	984.3	987.5	992.7	1006.5	1016.0	1024.5	1030.8	1036.1
7.5°	923.0	928.2	931.4	936.7	942.0	949.4	965.3	979.0	991.7	999.1	1007.5
10°	876.4	880.7	886.0	889.1	898.6	909.2	929.3	940.9	955.7	967.4	977.9
12.5°	832.0	846.8	850.0	849.0	857.4	869.0	889.1	907.1	923.0	934.6	946.2
15°	800.3	805.6	812.0	810.9	828.9	832.0	849.0	870.1	891.2	898.6	909.2
17.5°	765.4	773.9	780.2	783.4	788.7	800.3	816.2	832.0	859.5	860.6	888.1
20°	737.9	746.4	750.6	754.9	758.0	771.8	785.5	803.5	825.7	837.3	852.1
22.5°	720.0	724.2	727.4	730.5	734.8	742.2	759.1	779.2	794.0	806.7	816.2
25°	698.8	703.1	707.3	709.4	712.6	716.8	729.5	745.3	766.5	774.9	784.5
27.5°	684.0	684.0	686.1	686.1	690.4	694.6	704.1	718.9	735.8	746.4	759.1
30°	668.2	667.1	668.2	667.1	666.1	672.4	680.9	693.5	705.2	717.9	726.3
32.5°	652.3	651.3	651.3	652.3	648.1	651.3	655.5	667.1	679.8	686.1	695.7
35°	635.4	633.3	633.3	633.3	631.2	629.1	633.3	643.9	652.3	660.8	668.2
37.5°	618.5	615.3	615.3	613.2	611.1	607.9	607.9	616.4	628.0	631.2	640.7
40°	595.2	595.2	593.1	592.0	589.9	587.8	584.6	592.0	602.6	605.8	613.2
42.5°	572.0	568.8	567.7	567.7	567.7	564.6	562.4	567.7	574.1	579.4	583.6
45°	545.5	543.4	544.5	543.4	541.3	540.2	539.2	541.3	548.7	550.8	556.1
47.5°	517.0	515.9	515.9	514.9	513.8	514.9	510.6	515.9	518.0	520.2	524.4
50°	487.4	486.3	485.3	484.2	484.2	485.3	484.2	484.2	488.4	490.6	494.8
52.5°	457.8	454.6	454.6	453.6	453.6	451.4	453.6	454.6	456.7	458.8	461.0
55°	426.1	426.1	422.9	422.9	420.8	420.8	421.8	420.8	425.0	427.1	427.1
57.5°	395.4	391.2	392.2	390.1	388.0	386.9	386.9	389.1	391.2	391.2	393.3
60°	362.6	358.4	357.3	353.1	355.2	352.1	353.1	353.1	357.3	355.2	357.3
62.5°	329.9	324.6	321.4	319.3	319.3	320.3	318.2	317.2	319.3	321.4	325.6
65°	295.0	291.8	288.6	285.5	285.5	284.4	286.5	283.3	282.3	283.3	285.5
67.5°	259.0	255.8	252.7	249.5	250.6	247.4	245.3	248.4	246.3	247.4	249.5
70°	224.1	222.0	215.7	213.6	212.5	213.6	212.5	210.4	213.6	212.5	213.6
72.5°	189.2	187.1	184.0	178.7	178.7	177.6	176.6	176.6	175.5	175.5	175.5
75°	155.4	151.2	148.0	147.0	144.8	143.8	142.7	140.6	141.7	142.7	140.6
77.5°	120.5	115.2	114.2	114.2	111.0	111.0	112.1	111.0	110.0	110.0	110.0
80°	88.8	84.6	84.6	82.5	80.3	80.3	80.3	80.3	79.3	78.2	79.3
82.5°	57.1	56.0	55.0	55.0	57.1	52.9	55.0	53.9	52.9	52.9	51.8
85°	31.7	32.8	31.7	32.8	30.7	31.7	31.7	31.7	30.7	31.7	29.6
87.5°	11.6	11.6	11.6	12.7	12.7	12.7	12.7	12.7	13.7	12.7	12.7
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

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CATALOG NUMBER: S123DIW-B775D460UB35-4F0-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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1091.1	1091.1	1091.1	1091.1
2.5°	1067.8	1071.0	1081.5	1094.2
5°	1046.7	1055.1	1069.9	1090.0
7.5°	1023.4	1036.1	1057.2	1082.6
10°	997.0	1014.9	1041.4	1073.1
12.5°	968.4	991.7	1025.5	1058.3
15°	950.5	973.7	1004.4	1040.3
17.5°	915.6	943.0	974.8	1025.5
20°	879.6	910.3	951.5	1002.3
22.5°	852.1	884.9	924.0	977.9
25°	819.4	853.2	895.5	951.5
27.5°	784.5	818.3	865.9	925.1
30°	758.0	790.8	836.3	899.7
32.5°	726.3	758.0	805.6	872.2
35°	690.4	726.3	771.8	839.4
37.5°	662.9	695.7	743.2	807.7
40°	633.3	661.8	708.3	771.8
42.5°	601.6	633.3	673.5	736.9
45°	572.0	595.2	636.5	696.7
47.5°	540.2	566.7	598.4	644.9
50°	506.4	528.6	563.5	595.2
52.5°	473.6	491.6	521.2	545.5
55°	438.8	456.7	478.9	493.7
57.5°	406.0	418.7	433.5	443.0
60°	365.8	378.5	388.0	397.5
62.5°	329.9	339.4	344.7	349.9
65°	292.9	298.1	301.3	305.5
67.5°	252.7	258.0	259.0	265.4
70°	215.7	216.7	218.8	222.0
72.5°	180.8	182.9	181.8	184.0
75°	144.8	147.0	144.8	147.0
77.5°	110.0	112.1	112.1	115.2
80°	79.3	80.3	81.4	81.4
82.5°	51.8	55.0	52.9	53.9
85°	29.6	30.7	30.7	31.7
87.5°	13.7	14.8	13.7	15.9
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: P1031937

CATALOG NUMBER: S123DIW-B775D460UB35-4F0-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)