

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: P1031002

Luminaire Tested: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1031002
REPORT IS A COMBINATION OF REPORTS P992116 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K
Description: Define 3 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

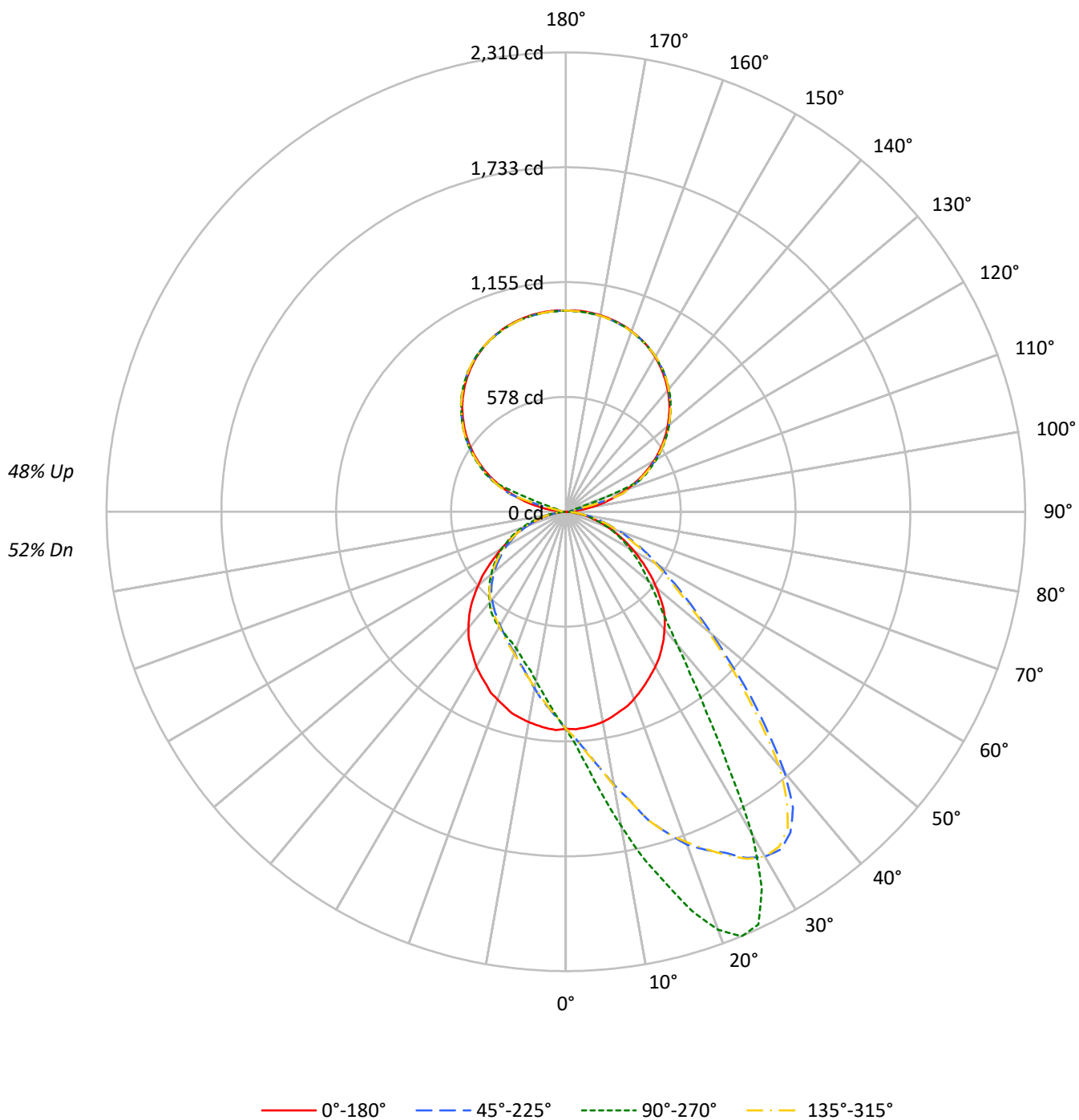
Lumens per Lamp: N/A
Luminaire Lumens: 6380.0 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 59.1
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	58	58	58
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	49	49	44
2	90	83	77	72	83	77	71	67	65	62	58	55	52	50	46	44	42	42	42	37
3	82	73	66	60	76	68	61	56	58	53	49	49	45	42	41	38	36	36	36	32
4	75	65	57	51	69	60	53	48	52	46	42	44	40	37	36	34	31	31	31	28
5	69	58	50	44	64	54	47	41	46	41	36	39	35	32	33	30	27	27	27	24
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	24	24	21
7	59	47	39	33	54	44	37	32	38	32	28	32	28	25	27	24	21	21	21	19
8	55	42	35	29	51	40	33	28	35	29	25	30	25	22	25	22	19	19	19	17
9	51	39	31	26	47	36	30	25	32	26	22	27	23	20	23	20	17	17	17	15
10	48	36	28	24	44	33	27	22	29	24	20	25	21	18	21	18	16	16	16	14

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	1.7
10°-20°	344.6	5.4
20°-30°	579.9	9.1
30°-40°	655.3	10.3
40°-50°	587.0	9.2
50°-60°	473.8	7.4
60°-70°	330.2	5.2
70°-80°	173.3	2.7
80°-90°	43.6	0.7
90°-100°	35.7	0.6
100°-110°	172.5	2.7
110°-120°	422.8	6.6
120°-130°	536.7	8.4
130°-140°	573.4	9.0
140°-150°	536.2	8.4
150°-160°	432.5	6.8
160°-170°	279.1	4.4
170°-180°	96.2	1.5
0°-30°	1031.8	16.2
0°-40°	1687.2	26.4
0°-60°	2748.0	43.1
0°-90°	3295.0	51.6
90°-120°	631.0	9.9
90°-150°	2277.2	35.7
90°-180°	3085.0	48.4
0°-180°	6380.0	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°	1	23	1	23	1	5
95°	46	29	46	29	46	55
105°	224	33	224	33	224	238
115°	420	442	420	442	420	415
125°	592	604	592	604	592	529
135°	738	745	738	745	738	568
145°	851	859	851	859	851	533
155°	938	936	938	936	938	432
165°	989	986	989	986	989	279
175°	1012	1008	1012	1008	1012	96
180°	1012	1012	1012	1012	1012	

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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°	0.8	2.5	4.1	5.8	7.5	8.3	9.4	11.5	13.7	15.8	18.0
92.5°	17.3	16.3	15.3	14.3	13.3	12.8	13.5	15.0	16.5	18.0	19.5
95°	45.9	39.0	32.2	25.3	18.4	15.0	15.9	17.8	19.6	21.5	23.3
97.5°	83.5	78.8	74.1	69.4	64.7	62.4	58.1	49.6	41.1	32.6	24.1
100°	127.1	130.4	133.8	137.1	140.4	142.1	129.1	103.0	76.9	50.9	24.8
102.5°	176.7	178.9	181.0	183.2	185.3	186.4	171.9	142.8	113.7	84.7	55.6
105°	224.0	225.8	227.7	229.5	231.4	232.3	224.8	209.7	194.7	179.6	164.6
107.5°	274.4	275.9	277.4	278.9	280.4	281.2	282.5	285.0	287.5	290.0	292.5
110°	324.8	326.1	327.5	328.8	330.1	330.8	331.7	333.6	335.4	337.3	339.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	372.9	374.1	375.3	376.4	377.6	378.2	379.1	380.9	382.8	384.6	386.4
115°	420.3	421.3	422.3	423.3	424.3	424.8	425.5	427.0	428.5	430.0	431.5
117.5°	466.9	468.1	469.2	470.4	471.5	472.1	472.5	473.4	474.2	475.1	475.9
120°	509.7	511.2	512.7	514.2	515.7	516.5	516.7	517.2	517.7	518.2	518.7
122.5°	553.3	554.5	555.7	556.8	558.0	558.6	558.9	559.6	560.3	560.9	561.6
125°	592.4	593.7	595.1	596.4	597.7	598.4	598.7	599.4	600.1	600.7	601.4
127.5°	631.5	632.8	634.2	635.5	636.8	637.5	637.9	638.8	639.6	640.5	641.3
130°	667.6	668.9	670.3	671.6	672.9	673.6	673.9	674.6	675.3	675.9	676.6
132.5°	702.2	703.5	704.9	706.2	707.5	708.2	708.5	709.0	709.5	710.0	710.5
135°	737.5	738.5	739.5	740.5	741.5	742.0	742.3	743.0	743.7	744.3	745.0
137.5°	767.6	768.9	770.3	771.6	772.9	773.6	773.8	774.1	774.4	774.8	775.1
140°	797.7	798.7	799.7	800.7	801.7	802.2	802.4	802.9	803.4	803.9	804.4
142.5°	825.5	826.5	827.5	828.5	829.5	830.0	830.3	830.8	831.3	831.8	832.3
145°	851.1	852.3	853.4	854.6	855.7	856.3	856.5	856.8	857.1	857.5	857.8
147.5°	875.9	876.7	877.5	878.4	879.2	879.6	879.8	880.1	880.4	880.8	881.1
150°	898.4	898.9	899.4	899.9	900.4	900.7	900.9	901.2	901.5	901.9	902.2
152.5°	918.7	918.9	919.1	919.2	919.4	919.5	919.6	919.7	919.9	920.0	920.2
155°	937.5	937.2	936.8	936.5	936.2	936.0	936.1	936.3	936.4	936.6	936.8
157.5°	952.5	952.5	952.5	952.5	952.5	952.5	952.4	952.3	952.1	952.0	951.8
160°	966.1	965.9	965.7	965.6	965.4	965.3	965.2	965.1	964.9	964.8	964.6
162.5°	978.9	978.4	977.9	977.4	976.9	976.6	976.5	976.4	976.2	976.1	975.9
165°	988.6	988.1	987.6	987.1	986.6	986.4	986.3	986.1	986.0	985.8	985.6
167.5°	996.9	996.2	995.6	994.9	994.2	993.9	993.9	993.9	993.9	993.9	993.9
170°	1003.7	1003.0	1002.4	1001.7	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
172.5°	1008.2	1007.4	1006.5	1005.7	1004.8	1004.4	1004.5	1004.7	1004.8	1005.0	1005.2
175°	1011.9	1011.1	1010.3	1009.4	1008.6	1008.2	1008.3	1008.4	1008.6	1008.7	1008.9
177.5°	1013.4	1012.6	1011.8	1010.9	1010.1	1009.7	1009.8	1009.9	1010.1	1010.2	1010.4
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

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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°	18.7	19.4	20.1	20.8	21.1	21.3	21.6	21.9	22.3	22.6	22.3
92.5°	20.7	21.9	23.0	24.2	24.8	24.9	25.1	25.2	25.4	25.6	25.4
95°	24.5	25.7	26.8	28.0	28.6	28.6	28.6	28.6	28.6	28.6	28.6
97.5°	25.4	26.8	28.1	29.4	30.1	30.2	30.3	30.5	30.6	30.8	30.6
100°	26.1	27.5	28.8	30.1	30.8	30.9	31.1	31.2	31.4	31.6	31.4
102.5°	50.1	44.6	39.1	33.6	30.8	31.0	31.3	31.6	32.0	32.3	32.0
105°	135.0	105.5	75.9	46.4	31.6	31.8	32.1	32.4	32.8	33.1	32.8
107.5°	266.8	241.0	215.3	189.6	176.7	165.8	143.9	122.0	100.1	78.2	100.1
110°	333.6	328.1	322.6	317.1	314.3	302.3	278.4	254.5	230.6	206.7	230.6

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	387.9	389.4	390.9	392.4	393.2	393.0	392.7	392.4	392.0	391.7	392.0
115°	433.2	434.9	436.6	438.3	439.1	439.4	440.1	440.8	441.4	442.1	441.4
117.5°	477.2	478.6	479.9	481.2	481.9	482.0	482.2	482.3	482.5	482.7	482.5
120°	520.1	521.4	522.8	524.1	524.8	524.8	524.8	524.8	524.8	524.8	524.8
122.5°	562.4	563.3	564.1	565.0	565.4	565.5	565.6	565.8	565.9	566.1	565.9
125°	601.8	602.1	602.5	602.8	603.0	603.2	603.5	603.8	604.2	604.5	604.2
127.5°	641.8	642.3	642.8	643.3	643.6	643.4	643.1	642.7	642.4	642.0	642.4
130°	677.3	677.9	678.6	679.3	679.6	679.4	679.1	678.8	678.4	678.1	678.4
132.5°	711.2	711.8	712.5	713.2	713.5	713.2	712.7	712.2	711.7	711.2	711.7
135°	745.5	746.0	746.5	747.0	747.3	747.0	746.5	746.0	745.5	745.0	745.5
137.5°	775.9	776.8	777.6	778.5	778.9	778.7	778.4	778.1	777.7	777.4	777.7
140°	805.1	805.7	806.4	807.1	807.4	807.2	806.9	806.6	806.2	805.9	806.2
142.5°	832.8	833.3	833.8	834.3	834.5	834.3	833.8	833.3	832.8	832.3	832.8
145°	858.1	858.5	858.8	859.1	859.3	859.3	859.3	859.3	859.3	859.3	859.3
147.5°	881.4	881.8	882.1	882.4	882.6	882.2	881.4	880.5	879.7	878.9	879.7
150°	902.5	902.9	903.2	903.5	903.7	903.4	902.9	902.4	901.9	901.4	901.9
152.5°	920.9	921.5	922.2	922.9	923.2	922.8	922.0	921.1	920.3	919.5	920.3
155°	937.6	938.4	939.3	940.1	940.5	940.0	939.0	938.0	937.0	936.0	937.0
157.5°	952.8	953.8	954.8	955.8	956.3	955.6	954.3	953.0	951.6	950.3	951.6
160°	965.6	966.6	967.6	968.6	969.1	968.5	967.3	966.2	965.0	963.8	965.0
162.5°	977.1	978.2	979.4	980.5	981.1	980.6	979.6	978.6	977.6	976.6	977.6
165°	986.9	988.3	989.6	990.9	991.6	991.0	989.9	988.7	987.6	986.4	987.6
167.5°	995.2	996.6	997.9	999.2	999.9	999.2	997.9	996.6	995.2	993.9	995.2
170°	1002.0	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0
172.5°	1006.5	1007.9	1009.2	1010.5	1011.2	1010.4	1008.9	1007.4	1005.9	1004.4	1005.9
175°	1010.1	1011.3	1012.4	1013.6	1014.2	1013.5	1012.2	1010.9	1009.5	1008.2	1009.5
177.5°	1011.7	1013.1	1014.4	1015.7	1016.4	1015.6	1013.9	1012.2	1010.6	1008.9	1010.6
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

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°	21.9	21.6	21.3	21.1	20.8	20.1	19.4	18.7	18.0	15.8	13.7
92.5°	25.2	25.1	24.9	24.8	24.2	23.0	21.9	20.7	19.5	18.0	16.5
95°	28.6	28.6	28.6	28.6	28.0	26.8	25.7	24.5	23.3	21.5	19.6
97.5°	30.5	30.3	30.2	30.1	29.4	28.1	26.8	25.4	24.1	32.6	41.1
100°	31.2	31.1	30.9	30.8	30.1	28.8	27.5	26.1	24.8	50.9	76.9
102.5°	31.6	31.3	31.0	30.8	33.6	39.1	44.6	50.1	55.6	84.7	113.7
105°	32.4	32.1	31.8	31.6	46.4	75.9	105.5	135.0	164.6	179.6	194.7
107.5°	122.0	143.9	165.8	176.7	189.6	215.3	241.0	266.8	292.5	290.0	287.5
110°	254.5	278.4	302.3	314.3	317.1	322.6	328.1	333.6	339.1	337.3	335.4

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	392.4	392.7	393.0	393.2	392.4	390.9	389.4	387.9	386.4	384.6	382.8
115°	440.8	440.1	439.4	439.1	438.3	436.6	434.9	433.2	431.5	430.0	428.5
117.5°	482.3	482.2	482.0	481.9	481.2	479.9	478.6	477.2	475.9	475.1	474.2
120°	524.8	524.8	524.8	524.8	524.1	522.8	521.4	520.1	518.7	518.2	517.7
122.5°	565.8	565.6	565.5	565.4	565.0	564.1	563.3	562.4	561.6	560.9	560.3
125°	603.8	603.5	603.2	603.0	602.8	602.5	602.1	601.8	601.4	600.7	600.1
127.5°	642.7	643.1	643.4	643.6	643.3	642.8	642.3	641.8	641.3	640.5	639.6
130°	678.8	679.1	679.4	679.6	679.3	678.6	677.9	677.3	676.6	675.9	675.3
132.5°	712.2	712.7	713.2	713.5	713.2	712.5	711.8	711.2	710.5	710.0	709.5
135°	746.0	746.5	747.0	747.3	747.0	746.5	746.0	745.5	745.0	744.3	743.7
137.5°	778.1	778.4	778.7	778.9	778.5	777.6	776.8	775.9	775.1	774.8	774.4
140°	806.6	806.9	807.2	807.4	807.1	806.4	805.7	805.1	804.4	803.9	803.4
142.5°	833.3	833.8	834.3	834.5	834.3	833.8	833.3	832.8	832.3	831.8	831.3
145°	859.3	859.3	859.3	859.3	859.1	858.8	858.5	858.1	857.8	857.5	857.1
147.5°	880.5	881.4	882.2	882.6	882.4	882.1	881.8	881.4	881.1	880.8	880.4
150°	902.4	902.9	903.4	903.7	903.5	903.2	902.9	902.5	902.2	901.9	901.5
152.5°	921.1	922.0	922.8	923.2	922.9	922.2	921.5	920.9	920.2	920.0	919.9
155°	938.0	939.0	940.0	940.5	940.1	939.3	938.4	937.6	936.8	936.6	936.4
157.5°	953.0	954.3	955.6	956.3	955.8	954.8	953.8	952.8	951.8	952.0	952.1
160°	966.2	967.3	968.5	969.1	968.6	967.6	966.6	965.6	964.6	964.8	964.9
162.5°	978.6	979.6	980.6	981.1	980.5	979.4	978.2	977.1	975.9	976.1	976.2
165°	988.7	989.9	991.0	991.6	990.9	989.6	988.3	986.9	985.6	985.8	986.0
167.5°	996.6	997.9	999.2	999.9	999.2	997.9	996.6	995.2	993.9	993.9	993.9
170°	1003.4	1004.7	1006.0	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7
172.5°	1007.4	1008.9	1010.4	1011.2	1010.5	1009.2	1007.9	1006.5	1005.2	1005.0	1004.8
175°	1010.9	1012.2	1013.5	1014.2	1013.6	1012.4	1011.3	1010.1	1008.9	1008.7	1008.6
177.5°	1012.2	1013.9	1015.6	1016.4	1015.7	1014.4	1013.1	1011.7	1010.4	1010.2	1010.1
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

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°	11.5	9.4	8.3	7.5	5.8	4.1	2.5	0.8	2.5	4.1	5.8
92.5°	15.0	13.5	12.8	13.3	14.3	15.3	16.3	17.3	16.3	15.3	14.3
95°	17.8	15.9	15.0	18.4	25.3	32.2	39.0	45.9	39.0	32.2	25.3
97.5°	49.6	58.1	62.4	64.7	69.4	74.1	78.8	83.5	78.8	74.1	69.4
100°	103.0	129.1	142.1	140.4	137.1	133.8	130.4	127.1	130.4	133.8	137.1
102.5°	142.8	171.9	186.4	185.3	183.2	181.0	178.9	176.7	178.9	181.0	183.2
105°	209.7	224.8	232.3	231.4	229.5	227.7	225.8	224.0	225.8	227.7	229.5
107.5°	285.0	282.5	281.2	280.4	278.9	277.4	275.9	274.4	275.9	277.4	278.9
110°	333.6	331.7	330.8	330.1	328.8	327.5	326.1	324.8	326.1	327.5	328.8

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	380.9	379.1	378.2	377.6	376.4	375.3	374.1	372.9	374.1	375.3	376.4
115°	427.0	425.5	424.8	424.3	423.3	422.3	421.3	420.3	421.3	422.3	423.3
117.5°	473.4	472.5	472.1	471.5	470.4	469.2	468.1	466.9	468.1	469.2	470.4
120°	517.2	516.7	516.5	515.7	514.2	512.7	511.2	509.7	511.2	512.7	514.2
122.5°	559.6	558.9	558.6	558.0	556.8	555.7	554.5	553.3	554.5	555.7	556.8
125°	599.4	598.7	598.4	597.7	596.4	595.1	593.7	592.4	593.7	595.1	596.4
127.5°	638.8	637.9	637.5	636.8	635.5	634.2	632.8	631.5	632.8	634.2	635.5
130°	674.6	673.9	673.6	672.9	671.6	670.3	668.9	667.6	668.9	670.3	671.6
132.5°	709.0	708.5	708.2	707.5	706.2	704.9	703.5	702.2	703.5	704.9	706.2
135°	743.0	742.3	742.0	741.5	740.5	739.5	738.5	737.5	738.5	739.5	740.5
137.5°	774.1	773.8	773.6	772.9	771.6	770.3	768.9	767.6	768.9	770.3	771.6
140°	802.9	802.4	802.2	801.7	800.7	799.7	798.7	797.7	798.7	799.7	800.7
142.5°	830.8	830.3	830.0	829.5	828.5	827.5	826.5	825.5	826.5	827.5	828.5
145°	856.8	856.5	856.3	855.7	854.6	853.4	852.3	851.1	852.3	853.4	854.6
147.5°	880.1	879.8	879.6	879.2	878.4	877.5	876.7	875.9	876.7	877.5	878.4
150°	901.2	900.9	900.7	900.4	899.9	899.4	898.9	898.4	898.9	899.4	899.9
152.5°	919.7	919.6	919.5	919.4	919.2	919.1	918.9	918.7	918.9	919.1	919.2
155°	936.3	936.1	936.0	936.2	936.5	936.8	937.2	937.5	937.2	936.8	936.5
157.5°	952.3	952.4	952.5	952.5	952.5	952.5	952.5	952.5	952.5	952.5	952.5
160°	965.1	965.2	965.3	965.4	965.6	965.7	965.9	966.1	965.9	965.7	965.6
162.5°	976.4	976.5	976.6	976.9	977.4	977.9	978.4	978.9	978.4	977.9	977.4
165°	986.1	986.3	986.4	986.6	987.1	987.6	988.1	988.6	988.1	987.6	987.1
167.5°	993.9	993.9	993.9	994.2	994.9	995.6	996.2	996.9	996.2	995.6	994.9
170°	1000.7	1000.7	1000.7	1001.0	1001.7	1002.4	1003.0	1003.7	1003.0	1002.4	1001.7
172.5°	1004.7	1004.5	1004.4	1004.8	1005.7	1006.5	1007.4	1008.2	1007.4	1006.5	1005.7
175°	1008.4	1008.3	1008.2	1008.6	1009.4	1010.3	1011.1	1011.9	1011.1	1010.3	1009.4
177.5°	1009.9	1009.8	1009.7	1010.1	1010.9	1011.8	1012.6	1013.4	1012.6	1011.8	1010.9
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

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°	7.5	8.3	9.4	11.5	13.7	15.8	18.0	18.7	19.4	20.1	20.8
92.5°	13.3	12.8	13.5	15.0	16.5	18.0	19.5	20.7	21.9	23.0	24.2
95°	18.4	15.0	15.9	17.8	19.6	21.5	23.3	24.5	25.7	26.8	28.0
97.5°	64.7	62.4	58.1	49.6	41.1	32.6	24.1	25.4	26.8	28.1	29.4
100°	140.4	142.1	129.1	103.0	76.9	50.9	24.8	26.1	27.5	28.8	30.1
102.5°	185.3	186.4	171.9	142.8	113.7	84.7	55.6	50.1	44.6	39.1	33.6
105°	231.4	232.3	224.8	209.7	194.7	179.6	164.6	135.0	105.5	75.9	46.4
107.5°	280.4	281.2	282.5	285.0	287.5	290.0	292.5	266.8	241.0	215.3	189.6
110°	330.1	330.8	331.7	333.6	335.4	337.3	339.1	333.6	328.1	322.6	317.1

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	377.6	378.2	379.1	380.9	382.8	384.6	386.4	387.9	389.4	390.9	392.4
115°	424.3	424.8	425.5	427.0	428.5	430.0	431.5	433.2	434.9	436.6	438.3
117.5°	471.5	472.1	472.5	473.4	474.2	475.1	475.9	477.2	478.6	479.9	481.2
120°	515.7	516.5	516.7	517.2	517.7	518.2	518.7	520.1	521.4	522.8	524.1
122.5°	558.0	558.6	558.9	559.6	560.3	560.9	561.6	562.4	563.3	564.1	565.0
125°	597.7	598.4	598.7	599.4	600.1	600.7	601.4	601.8	602.1	602.5	602.8
127.5°	636.8	637.5	637.9	638.8	639.6	640.5	641.3	641.8	642.3	642.8	643.3
130°	672.9	673.6	673.9	674.6	675.3	675.9	676.6	677.3	677.9	678.6	679.3
132.5°	707.5	708.2	708.5	709.0	709.5	710.0	710.5	711.2	711.8	712.5	713.2
135°	741.5	742.0	742.3	743.0	743.7	744.3	745.0	745.5	746.0	746.5	747.0
137.5°	772.9	773.6	773.8	774.1	774.4	774.8	775.1	775.9	776.8	777.6	778.5
140°	801.7	802.2	802.4	802.9	803.4	803.9	804.4	805.1	805.7	806.4	807.1
142.5°	829.5	830.0	830.3	830.8	831.3	831.8	832.3	832.8	833.3	833.8	834.3
145°	855.7	856.3	856.5	856.8	857.1	857.5	857.8	858.1	858.5	858.8	859.1
147.5°	879.2	879.6	879.8	880.1	880.4	880.8	881.1	881.4	881.8	882.1	882.4
150°	900.4	900.7	900.9	901.2	901.5	901.9	902.2	902.5	902.9	903.2	903.5
152.5°	919.4	919.5	919.6	919.7	919.9	920.0	920.2	920.9	921.5	922.2	922.9
155°	936.2	936.0	936.1	936.3	936.4	936.6	936.8	937.6	938.4	939.3	940.1
157.5°	952.5	952.5	952.4	952.3	952.1	952.0	951.8	952.8	953.8	954.8	955.8
160°	965.4	965.3	965.2	965.1	964.9	964.8	964.6	965.6	966.6	967.6	968.6
162.5°	976.9	976.6	976.5	976.4	976.2	976.1	975.9	977.1	978.2	979.4	980.5
165°	986.6	986.4	986.3	986.1	986.0	985.8	985.6	986.9	988.3	989.6	990.9
167.5°	994.2	993.9	993.9	993.9	993.9	993.9	993.9	995.2	996.6	997.9	999.2
170°	1001.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1002.0	1003.4	1004.7	1006.0
172.5°	1004.8	1004.4	1004.5	1004.7	1004.8	1005.0	1005.2	1006.5	1007.9	1009.2	1010.5
175°	1008.6	1008.2	1008.3	1008.4	1008.6	1008.7	1008.9	1010.1	1011.3	1012.4	1013.6
177.5°	1010.1	1009.7	1009.8	1009.9	1010.1	1010.2	1010.4	1011.7	1013.1	1014.4	1015.7
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

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°	21.1	21.3	21.6	21.9	22.3	22.6	22.3	21.9	21.6	21.3	21.1
92.5°	24.8	24.9	25.1	25.2	25.4	25.6	25.4	25.2	25.1	24.9	24.8
95°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
97.5°	30.1	30.2	30.3	30.5	30.6	30.8	30.6	30.5	30.3	30.2	30.1
100°	30.8	30.9	31.1	31.2	31.4	31.6	31.4	31.2	31.1	30.9	30.8
102.5°	30.8	31.0	31.3	31.6	32.0	32.3	32.0	31.6	31.3	31.0	30.8
105°	31.6	31.8	32.1	32.4	32.8	33.1	32.8	32.4	32.1	31.8	31.6
107.5°	176.7	165.8	143.9	122.0	100.1	78.2	100.1	122.0	143.9	165.8	176.7
110°	314.3	302.3	278.4	254.5	230.6	206.7	230.6	254.5	278.4	302.3	314.3

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	393.2	393.0	392.7	392.4	392.0	391.7	392.0	392.4	392.7	393.0	393.2
115°	439.1	439.4	440.1	440.8	441.4	442.1	441.4	440.8	440.1	439.4	439.1
117.5°	481.9	482.0	482.2	482.3	482.5	482.7	482.5	482.3	482.2	482.0	481.9
120°	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8	524.8
122.5°	565.4	565.5	565.6	565.8	565.9	566.1	565.9	565.8	565.6	565.5	565.4
125°	603.0	603.2	603.5	603.8	604.2	604.5	604.2	603.8	603.5	603.2	603.0
127.5°	643.6	643.4	643.1	642.7	642.4	642.0	642.4	642.7	643.1	643.4	643.6
130°	679.6	679.4	679.1	678.8	678.4	678.1	678.4	678.8	679.1	679.4	679.6
132.5°	713.5	713.2	712.7	712.2	711.7	711.2	711.7	712.2	712.7	713.2	713.5
135°	747.3	747.0	746.5	746.0	745.5	745.0	745.5	746.0	746.5	747.0	747.3
137.5°	778.9	778.7	778.4	778.1	777.7	777.4	777.7	778.1	778.4	778.7	778.9
140°	807.4	807.2	806.9	806.6	806.2	805.9	806.2	806.6	806.9	807.2	807.4
142.5°	834.5	834.3	833.8	833.3	832.8	832.3	832.8	833.3	833.8	834.3	834.5
145°	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3
147.5°	882.6	882.2	881.4	880.5	879.7	878.9	879.7	880.5	881.4	882.2	882.6
150°	903.7	903.4	902.9	902.4	901.9	901.4	901.9	902.4	902.9	903.4	903.7
152.5°	923.2	922.8	922.0	921.1	920.3	919.5	920.3	921.1	922.0	922.8	923.2
155°	940.5	940.0	939.0	938.0	937.0	936.0	937.0	938.0	939.0	940.0	940.5
157.5°	956.3	955.6	954.3	953.0	951.6	950.3	951.6	953.0	954.3	955.6	956.3
160°	969.1	968.5	967.3	966.2	965.0	963.8	965.0	966.2	967.3	968.5	969.1
162.5°	981.1	980.6	979.6	978.6	977.6	976.6	977.6	978.6	979.6	980.6	981.1
165°	991.6	991.0	989.9	988.7	987.6	986.4	987.6	988.7	989.9	991.0	991.6
167.5°	999.9	999.2	997.9	996.6	995.2	993.9	995.2	996.6	997.9	999.2	999.9
170°	1006.7	1006.0	1004.7	1003.4	1002.0	1000.7	1002.0	1003.4	1004.7	1006.0	1006.7
172.5°	1011.2	1010.4	1008.9	1007.4	1005.9	1004.4	1005.9	1007.4	1008.9	1010.4	1011.2
175°	1014.2	1013.5	1012.2	1010.9	1009.5	1008.2	1009.5	1010.9	1012.2	1013.5	1014.2
177.5°	1016.4	1015.6	1013.9	1012.2	1010.6	1008.9	1010.6	1012.2	1013.9	1015.6	1016.4
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031002

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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°	20.8	20.1	19.4	18.7	18.0	15.8	13.7	11.5	9.4	8.3	7.5
92.5°	24.2	23.0	21.9	20.7	19.5	18.0	16.5	15.0	13.5	12.8	13.3
95°	28.0	26.8	25.7	24.5	23.3	21.5	19.6	17.8	15.9	15.0	18.4
97.5°	29.4	28.1	26.8	25.4	24.1	32.6	41.1	49.6	58.1	62.4	64.7
100°	30.1	28.8	27.5	26.1	24.8	50.9	76.9	103.0	129.1	142.1	140.4
102.5°	33.6	39.1	44.6	50.1	55.6	84.7	113.7	142.8	171.9	186.4	185.3
105°	46.4	75.9	105.5	135.0	164.6	179.6	194.7	209.7	224.8	232.3	231.4
107.5°	189.6	215.3	241.0	266.8	292.5	290.0	287.5	285.0	282.5	281.2	280.4
110°	317.1	322.6	328.1	333.6	339.1	337.3	335.4	333.6	331.7	330.8	330.1

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	392.4	390.9	389.4	387.9	386.4	384.6	382.8	380.9	379.1	378.2	377.6
115°	438.3	436.6	434.9	433.2	431.5	430.0	428.5	427.0	425.5	424.8	424.3
117.5°	481.2	479.9	478.6	477.2	475.9	475.1	474.2	473.4	472.5	472.1	471.5
120°	524.1	522.8	521.4	520.1	518.7	518.2	517.7	517.2	516.7	516.5	515.7
122.5°	565.0	564.1	563.3	562.4	561.6	560.9	560.3	559.6	558.9	558.6	558.0
125°	602.8	602.5	602.1	601.8	601.4	600.7	600.1	599.4	598.7	598.4	597.7
127.5°	643.3	642.8	642.3	641.8	641.3	640.5	639.6	638.8	637.9	637.5	636.8
130°	679.3	678.6	677.9	677.3	676.6	675.9	675.3	674.6	673.9	673.6	672.9
132.5°	713.2	712.5	711.8	711.2	710.5	710.0	709.5	709.0	708.5	708.2	707.5
135°	747.0	746.5	746.0	745.5	745.0	744.3	743.7	743.0	742.3	742.0	741.5
137.5°	778.5	777.6	776.8	775.9	775.1	774.8	774.4	774.1	773.8	773.6	772.9
140°	807.1	806.4	805.7	805.1	804.4	803.9	803.4	802.9	802.4	802.2	801.7
142.5°	834.3	833.8	833.3	832.8	832.3	831.8	831.3	830.8	830.3	830.0	829.5
145°	859.1	858.8	858.5	858.1	857.8	857.5	857.1	856.8	856.5	856.3	855.7
147.5°	882.4	882.1	881.8	881.4	881.1	880.8	880.4	880.1	879.8	879.6	879.2
150°	903.5	903.2	902.9	902.5	902.2	901.9	901.5	901.2	900.9	900.7	900.4
152.5°	922.9	922.2	921.5	920.9	920.2	920.0	919.9	919.7	919.6	919.5	919.4
155°	940.1	939.3	938.4	937.6	936.8	936.6	936.4	936.3	936.1	936.0	936.2
157.5°	955.8	954.8	953.8	952.8	951.8	952.0	952.1	952.3	952.4	952.5	952.5
160°	968.6	967.6	966.6	965.6	964.6	964.8	964.9	965.1	965.2	965.3	965.4
162.5°	980.5	979.4	978.2	977.1	975.9	976.1	976.2	976.4	976.5	976.6	976.9
165°	990.9	989.6	988.3	986.9	985.6	985.8	986.0	986.1	986.3	986.4	986.6
167.5°	999.2	997.9	996.6	995.2	993.9	993.9	993.9	993.9	993.9	993.9	994.2
170°	1006.0	1004.7	1003.4	1002.0	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1001.0
172.5°	1010.5	1009.2	1007.9	1006.5	1005.2	1005.0	1004.8	1004.7	1004.5	1004.4	1004.8
175°	1013.6	1012.4	1011.3	1010.1	1008.9	1008.7	1008.6	1008.4	1008.3	1008.2	1008.6
177.5°	1015.7	1014.4	1013.1	1011.7	1010.4	1010.2	1010.1	1009.9	1009.8	1009.7	1010.1
180°	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9	1011.9

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

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°	5.8	4.1	2.5	0.8
92.5°	14.3	15.3	16.3	17.3
95°	25.3	32.2	39.0	45.9
97.5°	69.4	74.1	78.8	83.5
100°	137.1	133.8	130.4	127.1
102.5°	183.2	181.0	178.9	176.7
105°	229.5	227.7	225.8	224.0
107.5°	278.9	277.4	275.9	274.4
110°	328.8	327.5	326.1	324.8

TEST NUMBER: P1031002

CATALOG NUMBER: S123DIW-B775D755UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	376.4	375.3	374.1	372.9
115°	423.3	422.3	421.3	420.3
117.5°	470.4	469.2	468.1	466.9
120°	514.2	512.7	511.2	509.7
122.5°	556.8	555.7	554.5	553.3
125°	596.4	595.1	593.7	592.4
127.5°	635.5	634.2	632.8	631.5
130°	671.6	670.3	668.9	667.6
132.5°	706.2	704.9	703.5	702.2
135°	740.5	739.5	738.5	737.5
137.5°	771.6	770.3	768.9	767.6
140°	800.7	799.7	798.7	797.7
142.5°	828.5	827.5	826.5	825.5
145°	854.6	853.4	852.3	851.1
147.5°	878.4	877.5	876.7	875.9
150°	899.9	899.4	898.9	898.4
152.5°	919.2	919.1	918.9	918.7
155°	936.5	936.8	937.2	937.5
157.5°	952.5	952.5	952.5	952.5
160°	965.6	965.7	965.9	966.1
162.5°	977.4	977.9	978.4	978.9
165°	987.1	987.6	988.1	988.6
167.5°	994.9	995.6	996.2	996.9
170°	1001.7	1002.4	1003.0	1003.7
172.5°	1005.7	1006.5	1007.4	1008.2
175°	1009.4	1010.3	1011.1	1011.9
177.5°	1010.9	1011.8	1012.6	1013.4
180°	1011.9	1011.9	1011.9	1011.9

(END OF REPORT)