

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: P1030654

Luminaire Tested: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1030654
REPORT IS A COMBINATION OF REPORTS P990594 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K
Description: Define 3 Direct/Indirect Wall Mount with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

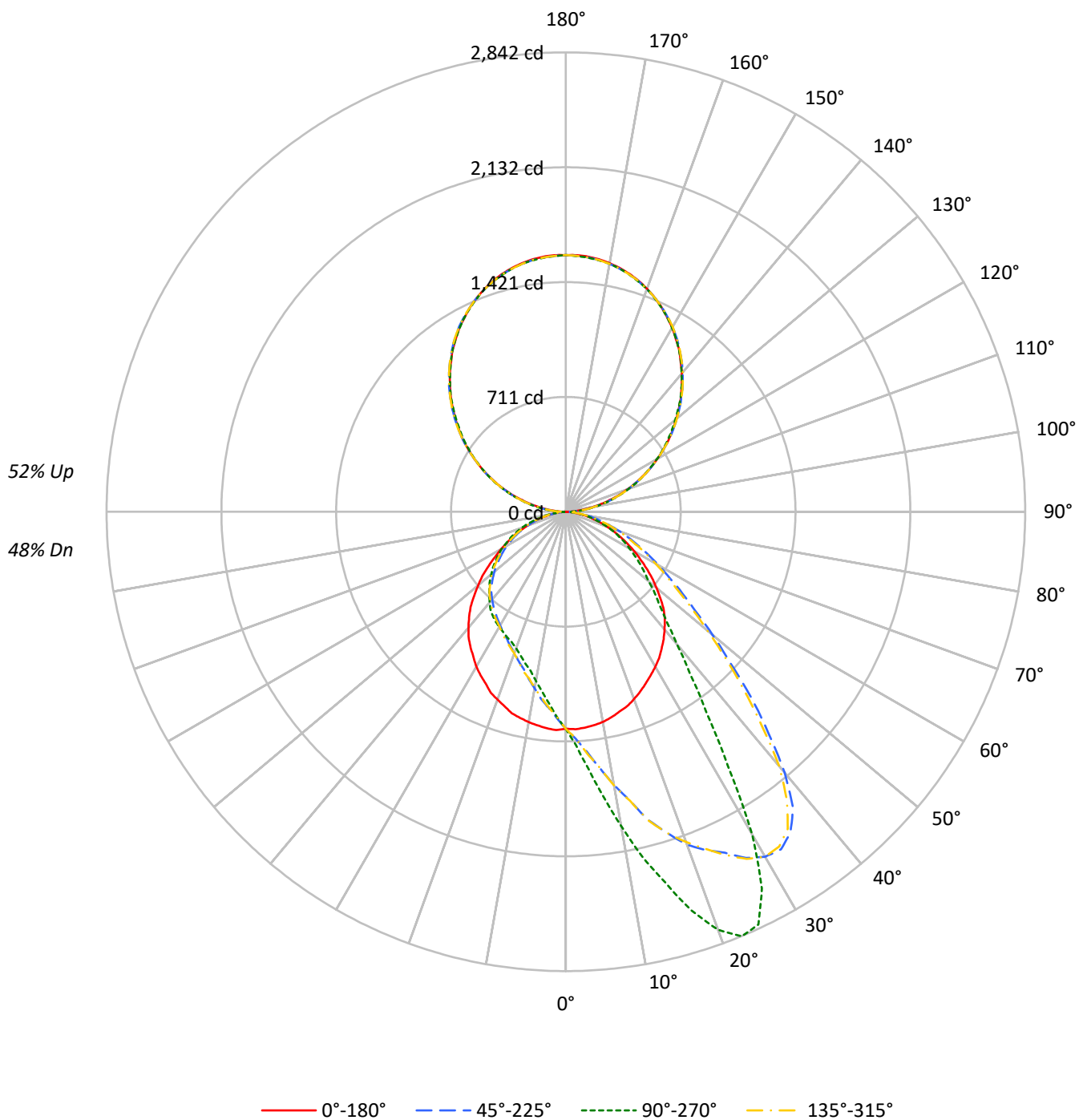
Lumens per Lamp: N/A
Luminaire Lumens: 8456.0 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 88.9
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
RCR																	
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29
5	68	57	49	43	63	53	46	41	45	40	35	38	34	30	31	28	26
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14451	14451	14451	14451
5°	14460	16650	14502	12426
10°	14369	20149	14383	10851
15°	14170	23896	14285	9768
20°	14000	27511	14029	8988
25°	13745	28205	13775	8581
30°	13564	23302	13564	8315
35°	13339	15585	13255	8080
40°	13070	11249	12909	7719
45°	12732	8912	12365	7271
50°	11910	7568	11487	6830
55°	11008	6650	10560	6340
60°	10092	5790	9556	5823
65°	9089	4959	8649	5137
70°	8045	4116	7509	4330
75°	6878	3103	6432	3342
80°	5440	2073	5016	2196
85°	3746	951	2997	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 23305 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	1.6
10°-20°	424.1	5.0
20°-30°	713.6	8.4
30°-40°	806.4	9.5
40°-50°	722.2	8.5
50°-60°	583.0	6.9
60°-70°	406.3	4.8
70°-80°	213.2	2.5
80°-90°	54.5	0.6
90°-100°	102.2	1.2
100°-110°	309.4	3.7
110°-120°	526.8	6.2
120°-130°	693.0	8.2
130°-140°	779.0	9.2
140°-150°	765.8	9.1
150°-160°	644.8	7.6
160°-170°	429.2	5.1
170°-180°	150.3	1.8
0°-30°	1269.7	15.0
0°-40°	2076.1	24.6
0°-60°	3381.3	40.0
0°-90°	4055.3	48.0
90°-120°	938.5	11.1
90°-150°	3176.3	37.6
90°-180°	4401.0	52.0
0°-180°	8456.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1342	1342	1342	1342	1342	
5°	1341	1595	1345	1190	1341	127
15°	1280	2374	1290	970	1280	362
25°	1171	2818	1173	857	1171	540
35°	1033	1518	1026	787	1033	646
45°	857	820	833	669	857	656
55°	608	557	583	531	608	544
65°	376	362	358	375	376	374
75°	181	186	169	200	181	194
85°	39	43	31	39	39	45
90°	1	37	1	37	1	8
95°	74	97	74	97	74	81
105°	281	297	281	297	281	301
115°	530	532	530	532	530	525
125°	776	767	776	767	776	692
135°	1007	1006	1007	1006	1007	776
145°	1221	1221	1221	1221	1221	763
155°	1399	1396	1399	1396	1399	644
165°	1523	1518	1523	1518	1523	430
175°	1584	1578	1584	1578	1584	151
180°	1588	1588	1588	1588	1588	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1346.4	1356.8	1362.1	1369.9	1377.7	1389.4	1393.3	1399.8	1397.2	1402.4	1405.0
5°	1341.2	1359.5	1375.1	1394.6	1412.8	1425.8	1438.8	1459.6	1475.2	1477.8	1489.5
7.5°	1332.1	1358.2	1385.5	1412.8	1447.9	1468.7	1492.1	1520.8	1544.2	1581.9	1596.2
10°	1320.4	1356.8	1395.9	1433.6	1481.7	1514.3	1542.9	1591.0	1639.1	1678.2	1714.6
12.5°	1302.2	1347.7	1398.5	1454.4	1516.9	1554.6	1593.6	1657.4	1730.2	1790.1	1829.1
15°	1280.1	1337.3	1402.4	1462.2	1531.2	1601.4	1643.0	1714.6	1818.7	1874.6	1974.8
17.5°	1261.9	1320.4	1385.5	1479.1	1572.8	1643.0	1673.0	1804.4	1875.9	1969.6	2082.8
20°	1233.3	1307.4	1390.7	1484.3	1605.3	1648.3	1709.4	1842.1	1930.6	2052.8	2192.0
22.5°	1203.3	1282.7	1382.9	1480.4	1615.7	1661.3	1744.5	1849.9	1990.4	2111.4	2264.9
25°	1170.8	1256.7	1358.2	1473.9	1606.6	1673.0	1751.0	1881.1	2033.3	2185.5	2327.3
27.5°	1138.3	1232.0	1337.3	1453.1	1581.9	1660.0	1738.0	1873.3	2068.4	2233.7	2414.5
30°	1107.1	1200.7	1306.1	1424.5	1559.8	1635.2	1709.4	1878.5	2095.8	2281.8	2463.9
32.5°	1073.3	1169.5	1280.1	1379.0	1515.6	1596.2	1679.5	1878.5	2112.7	2310.4	2476.9
35°	1032.9	1131.8	1226.8	1325.6	1460.9	1550.7	1644.4	1865.5	2128.3	2319.5	2422.3
37.5°	993.9	1081.1	1163.0	1259.3	1401.1	1497.3	1605.3	1849.9	2120.5	2280.5	2309.1
40°	949.7	1036.8	1103.2	1192.9	1342.5	1454.4	1563.7	1829.1	2086.7	2188.1	2104.9
42.5°	906.7	975.7	1032.9	1120.1	1282.7	1392.0	1510.4	1791.4	2020.3	2041.1	1853.8
45°	857.3	906.7	957.5	1056.3	1217.7	1329.5	1460.9	1736.7	1913.6	1853.8	1617.0
47.5°	793.6	837.8	893.7	984.8	1148.7	1264.5	1389.4	1666.5	1758.8	1633.9	1375.1
50°	732.4	770.1	822.2	910.6	1075.9	1189.0	1321.7	1555.9	1601.4	1405.0	1185.1
52.5°	671.3	699.9	750.6	839.1	1004.3	1113.6	1234.6	1442.7	1416.7	1205.9	1010.8
55°	607.5	632.2	680.4	767.5	921.0	1025.1	1140.9	1303.5	1235.9	1035.5	879.4
57.5°	545.1	571.1	620.5	693.4	837.8	939.3	1031.6	1159.1	1057.6	897.6	759.7
60°	489.1	511.3	549.0	620.5	751.9	833.9	918.4	1005.6	921.0	766.2	660.9
62.5°	430.6	451.4	486.5	551.6	664.8	737.6	805.3	876.8	783.1	670.0	576.3
65°	376.0	392.9	425.4	485.2	577.6	637.4	692.1	741.5	666.1	562.0	491.7
67.5°	326.5	340.8	368.2	421.5	499.5	542.5	586.7	628.3	564.6	481.3	421.5
70°	273.2	284.9	309.6	348.6	411.1	455.3	487.8	519.1	461.8	395.5	355.1
72.5°	226.4	238.1	253.7	294.0	336.9	364.3	399.4	416.3	383.8	329.1	288.8
75°	180.8	189.9	204.2	230.3	270.6	288.8	310.9	323.9	294.0	257.6	232.9
77.5°	141.8	145.7	156.1	174.3	201.6	222.5	239.4	247.2	226.4	202.9	182.1
80°	100.2	105.4	113.2	128.8	149.6	156.1	166.5	175.6	162.6	141.8	128.8
82.5°	66.3	72.9	76.8	83.3	96.3	104.1	106.7	114.5	102.8	95.0	89.8
85°	39.0	41.6	42.9	46.8	53.3	57.2	61.1	62.4	59.8	58.5	53.3
87.5°	19.5	19.5	19.5	22.1	23.4	26.0	27.3	27.3	27.3	26.0	24.7
90°	1.2	4.0	6.8	9.5	12.3	13.7	15.5	19.1	22.7	26.3	29.9
92.5°	37.4	39.1	40.7	42.4	44.1	44.9	45.7	47.4	49.1	50.7	52.4
95°	73.6	75.5	77.5	79.4	81.3	82.3	83.4	85.6	87.9	90.1	92.3
97.5°	121.0	122.4	123.8	125.2	126.6	127.3	128.1	129.8	131.4	133.1	134.7
100°	169.7	171.4	173.0	174.7	176.4	177.2	177.9	179.3	180.6	182.0	183.4
102.5°	225.8	226.6	227.5	228.3	229.2	229.6	230.6	232.5	234.4	236.4	238.3
105°	280.7	281.3	281.8	282.4	282.9	283.2	284.4	286.9	289.4	291.9	294.4
107.5°	345.6	345.9	346.1	346.4	346.7	346.8	347.4	348.5	349.6	350.7	351.8
110°	405.5	406.1	406.6	407.2	407.7	408.0	408.3	408.8	409.4	409.9	410.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	467.9	468.2	468.4	468.7	469.0	469.1	469.1	469.1	469.1	469.1	469.1
115°	530.2	531.0	531.9	532.7	533.6	534.0	533.7	533.2	532.6	532.1	531.5
117.5°	593.9	594.2	594.4	594.7	595.0	595.1	594.8	594.3	593.7	593.2	592.6
120°	652.5	654.2	655.8	657.5	659.2	660.0	659.3	657.9	656.5	655.1	653.7
122.5°	713.6	714.7	715.8	716.9	718.0	718.6	718.3	717.8	717.2	716.7	716.1
125°	776.0	776.8	777.7	778.5	779.4	779.8	779.5	779.0	778.4	777.9	777.3
127.5°	833.4	835.1	836.7	838.4	840.1	840.9	840.6	840.1	839.5	839.0	838.4
130°	890.8	893.0	895.2	897.5	899.7	900.8	900.4	899.5	898.7	897.8	897.0
132.5°	948.2	950.4	952.6	954.9	957.1	958.2	957.9	957.4	956.8	956.3	955.7
135°	1006.8	1008.5	1010.1	1011.8	1013.5	1014.3	1014.2	1013.9	1013.6	1013.4	1013.1
137.5°	1060.5	1061.9	1063.3	1064.6	1066.0	1066.7	1067.1	1068.0	1068.8	1069.7	1070.5
140°	1116.6	1118.0	1119.4	1120.8	1122.2	1122.9	1123.0	1123.3	1123.6	1123.8	1124.1
142.5°	1167.8	1169.2	1170.6	1171.9	1173.3	1174.0	1174.3	1174.8	1175.4	1175.9	1176.5
145°	1221.4	1222.0	1222.5	1223.1	1223.6	1223.9	1224.3	1225.2	1226.0	1226.9	1227.7
147.5°	1267.6	1268.7	1269.8	1270.9	1272.0	1272.6	1273.0	1273.8	1274.7	1275.5	1276.3
150°	1316.2	1316.8	1317.3	1317.9	1318.4	1318.7	1319.0	1319.5	1320.1	1320.6	1321.2
152.5°	1356.2	1357.0	1357.8	1358.7	1359.5	1359.9	1360.0	1360.3	1360.6	1360.8	1361.1
155°	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.7	1399.0	1399.3	1399.5	1399.8
157.5°	1434.8	1434.5	1434.2	1433.9	1433.6	1433.5	1433.6	1433.9	1434.2	1434.5	1434.8
160°	1468.4	1467.8	1467.3	1466.7	1466.2	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9
162.5°	1498.4	1497.6	1496.7	1495.9	1495.0	1494.6	1494.7	1495.0	1495.3	1495.6	1495.9
165°	1523.3	1522.5	1521.7	1520.8	1520.0	1519.6	1519.6	1519.6	1519.6	1519.6	1519.6
167.5°	1544.5	1543.4	1542.3	1541.2	1540.1	1539.6	1539.7	1540.0	1540.3	1540.5	1540.8
170°	1562.0	1560.9	1559.8	1558.7	1557.6	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0
172.5°	1575.7	1574.6	1573.5	1572.4	1571.3	1570.7	1570.7	1570.7	1570.7	1570.7	1570.7
175°	1584.5	1583.4	1582.3	1581.2	1580.1	1579.5	1579.5	1579.5	1579.5	1579.5	1579.5
177.5°	1589.5	1588.4	1587.3	1586.2	1585.1	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5
180°	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1414.1	1416.7	1425.8	1432.3	1445.3	1444.0	1444.0	1442.7	1438.8	1445.3	1449.2
5°	1513.0	1535.1	1537.7	1566.3	1567.6	1579.3	1587.1	1580.6	1596.2	1594.9	1583.2
7.5°	1635.2	1665.2	1679.5	1706.8	1738.0	1730.2	1760.1	1765.3	1762.7	1775.7	1784.8
10°	1769.2	1821.3	1857.7	1908.4	1921.4	1929.3	1948.8	1965.7	1999.5	1973.5	1990.4
12.5°	1922.7	1960.5	2008.6	2089.3	2129.6	2155.6	2164.7	2176.4	2199.8	2185.5	2186.8
15°	2051.5	2102.3	2184.2	2284.4	2296.1	2328.6	2320.8	2391.1	2424.9	2374.2	2402.8
17.5°	2185.5	2253.2	2350.7	2437.9	2487.3	2509.5	2530.3	2597.9	2595.3	2587.5	2594.0
20°	2271.4	2382.0	2503.0	2618.7	2633.0	2650.0	2705.9	2734.5	2729.3	2751.4	2765.7
22.5°	2392.4	2509.5	2638.2	2715.0	2747.5	2767.0	2811.3	2829.5	2837.3	2842.5	2833.4
25°	2493.8	2618.7	2713.7	2781.3	2800.9	2811.3	2825.6	2830.8	2826.9	2817.8	2825.6
27.5°	2562.8	2663.0	2728.0	2759.2	2748.8	2731.9	2704.6	2686.4	2646.1	2626.5	2650.0
30°	2591.4	2635.6	2655.2	2603.1	2551.1	2509.5	2457.4	2361.2	2285.7	2307.8	2277.9
32.5°	2545.9	2517.3	2423.6	2289.6	2249.3	2181.6	2034.6	1921.4	1925.3	1865.5	1890.2
35°	2411.9	2281.8	2104.9	1901.9	1848.6	1812.2	1650.9	1626.1	1574.1	1518.2	1533.8
37.5°	2175.1	1985.2	1770.5	1620.9	1541.6	1462.2	1371.2	1316.5	1285.3	1261.9	1280.1
40°	1886.3	1654.8	1477.8	1343.8	1276.2	1225.5	1163.0	1108.4	1073.3	1069.3	1075.9
42.5°	1602.7	1407.6	1245.0	1117.5	1095.4	1035.5	995.2	952.3	941.9	924.9	934.1
45°	1356.8	1198.1	1064.1	960.1	934.1	918.4	869.0	841.7	830.0	819.6	835.2
47.5°	1178.6	1012.1	914.5	852.1	826.1	800.1	772.7	754.5	745.4	746.7	745.4
50°	1006.9	884.6	798.8	750.6	735.0	716.8	694.7	683.0	679.1	667.4	676.5
52.5°	866.4	777.9	718.1	672.6	660.9	647.9	629.6	623.1	614.0	611.4	611.4
55°	753.2	684.3	636.1	606.2	591.9	581.5	571.1	563.3	556.8	556.8	556.8
57.5°	664.8	604.9	569.8	543.8	538.6	528.2	516.5	516.5	507.4	506.1	510.0
60°	589.3	536.0	508.7	486.5	478.7	476.1	464.4	464.4	461.8	455.3	460.5
62.5°	512.6	473.5	450.1	433.2	425.4	425.4	416.3	409.8	409.8	411.1	408.5
65°	442.3	413.7	392.9	379.9	376.0	370.8	369.5	364.3	360.4	361.7	360.4
67.5°	379.9	357.8	343.4	333.0	326.5	323.9	320.0	320.0	317.4	318.7	312.2
70°	323.9	301.8	290.1	279.7	277.1	277.1	271.9	273.2	270.6	274.5	271.9
72.5°	266.7	249.8	240.7	236.8	234.2	232.9	230.3	227.7	226.4	229.0	227.7
75°	216.0	201.6	195.1	192.5	189.9	189.9	188.6	187.3	186.0	186.0	186.0
77.5°	167.8	158.7	150.9	153.5	149.6	150.9	147.0	147.0	148.3	147.0	147.0
80°	123.6	117.1	117.1	114.5	109.3	111.9	111.9	108.0	106.7	109.3	105.4
82.5°	82.0	80.7	78.1	76.8	74.2	75.5	74.2	72.9	71.6	74.2	71.6
85°	48.1	48.1	46.8	44.2	46.8	45.5	44.2	44.2	42.9	42.9	42.9
87.5°	24.7	22.1	22.1	20.8	22.1	19.5	20.8	19.5	18.2	19.5	18.2
90°	31.0	32.1	33.2	34.3	34.9	35.2	35.7	36.3	36.8	37.4	36.8
92.5°	53.2	54.0	54.9	55.7	56.1	55.8	55.3	54.7	54.2	53.6	54.2
95°	93.4	94.5	95.6	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.5°	136.1	137.5	138.9	140.3	141.0	140.9	140.6	140.3	140.0	139.7	140.0
100°	184.2	185.0	185.9	186.7	187.1	187.4	187.9	188.5	189.0	189.6	189.0
102.5°	239.1	239.9	240.8	241.6	242.0	241.9	241.6	241.3	241.1	240.8	241.1
105°	294.4	294.4	294.4	294.4	294.4	294.7	295.2	295.8	296.3	296.9	296.3
107.5°	352.6	353.5	354.3	355.2	355.6	355.5	355.2	354.9	354.6	354.3	354.6
110°	411.6	412.7	413.8	414.9	415.5	415.2	414.7	414.1	413.6	413.0	413.6

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	470.5	471.9	473.2	474.6	475.3	475.3	475.3	475.3	475.3	475.3	475.3
115°	531.8	532.0	532.3	532.6	532.7	532.6	532.3	532.0	531.8	531.5	531.8
117.5°	592.6	592.6	592.6	592.6	592.6	592.2	591.4	590.5	589.7	588.9	589.7
120°	653.4	653.2	652.9	652.6	652.5	652.2	651.7	651.1	650.6	650.0	650.6
122.5°	715.3	714.5	713.6	712.8	712.4	712.0	711.1	710.3	709.4	708.6	709.4
125°	776.2	775.1	774.0	772.9	772.3	771.7	770.6	769.5	768.4	767.3	768.4
127.5°	836.7	835.1	833.4	831.7	830.9	830.3	829.2	828.1	827.0	825.9	827.0
130°	895.9	894.8	893.7	892.6	892.0	891.0	889.1	887.2	885.2	883.3	885.2
132.5°	954.3	952.9	951.5	950.1	949.4	948.7	947.3	946.0	944.6	943.2	944.6
135°	1012.0	1010.9	1009.8	1008.7	1008.1	1007.8	1007.3	1006.7	1006.2	1005.6	1006.2
137.5°	1069.1	1067.7	1066.3	1064.9	1064.2	1063.8	1063.0	1062.1	1061.3	1060.5	1061.3
140°	1123.8	1123.6	1123.3	1123.0	1122.9	1121.9	1120.0	1118.0	1116.1	1114.1	1116.1
142.5°	1176.2	1176.0	1175.7	1175.4	1175.3	1174.6	1173.2	1171.8	1170.4	1169.0	1170.4
145°	1227.4	1227.1	1226.8	1226.5	1226.4	1225.8	1224.7	1223.6	1222.5	1221.4	1222.5
147.5°	1276.3	1276.3	1276.3	1276.3	1276.3	1275.5	1273.8	1272.1	1270.5	1268.8	1270.5
150°	1321.2	1321.2	1321.2	1321.2	1321.2	1320.4	1318.7	1317.0	1315.4	1313.7	1315.4
152.5°	1361.7	1362.2	1362.8	1363.3	1363.6	1362.9	1361.5	1360.2	1358.8	1357.4	1358.8
155°	1400.9	1402.0	1403.1	1404.2	1404.8	1403.8	1401.9	1400.0	1398.0	1396.1	1398.0
157.5°	1435.9	1437.0	1438.1	1439.2	1439.7	1438.9	1437.2	1435.6	1433.9	1432.3	1433.9
160°	1467.3	1468.7	1470.1	1471.5	1472.2	1471.6	1470.5	1469.4	1468.3	1467.2	1468.3
162.5°	1497.3	1498.7	1500.0	1501.4	1502.1	1501.1	1499.2	1497.3	1495.3	1493.4	1495.3
165°	1521.3	1522.9	1524.6	1526.3	1527.1	1526.1	1524.2	1522.2	1520.3	1518.3	1520.3
167.5°	1542.5	1544.1	1545.8	1547.5	1548.3	1547.5	1545.8	1544.1	1542.5	1540.8	1542.5
170°	1559.0	1560.9	1562.9	1564.8	1565.8	1564.8	1562.9	1560.9	1559.0	1557.0	1559.0
172.5°	1572.4	1574.0	1575.7	1577.4	1578.2	1577.2	1575.3	1573.4	1571.4	1569.5	1571.4
175°	1581.2	1582.8	1584.5	1586.2	1587.0	1586.0	1584.1	1582.1	1580.2	1578.2	1580.2
177.5°	1586.2	1587.8	1589.5	1591.2	1592.0	1591.0	1589.1	1587.1	1585.2	1583.2	1585.2
180°	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1438.8	1442.7	1432.3	1429.7	1429.7	1434.9	1431.0	1395.9	1402.4	1394.6	1392.0
5°	1597.5	1589.7	1579.3	1574.1	1567.6	1549.4	1548.1	1507.8	1499.9	1473.9	1462.2
7.5°	1771.8	1765.3	1734.1	1730.2	1727.6	1710.7	1667.8	1624.8	1593.6	1563.7	1535.1
10°	1970.9	1951.4	1937.1	1908.4	1894.1	1870.7	1814.8	1774.4	1721.1	1675.6	1615.7
12.5°	2210.2	2188.1	2140.0	2119.2	2101.0	2035.9	1980.0	1934.5	1830.4	1799.2	1725.0
15°	2385.9	2339.0	2333.8	2288.3	2285.7	2214.1	2107.5	2058.0	1977.4	1862.9	1786.2
17.5°	2575.8	2534.2	2501.7	2447.0	2439.2	2371.6	2293.5	2172.5	2084.1	1974.8	1877.2
20°	2715.0	2692.9	2636.9	2614.8	2569.3	2512.1	2431.4	2281.8	2173.8	2064.5	1944.9
22.5°	2825.6	2803.5	2759.2	2729.3	2703.3	2629.1	2532.9	2405.4	2257.1	2114.0	1990.4
25°	2824.3	2817.8	2799.6	2785.2	2765.7	2711.1	2630.4	2508.2	2342.9	2185.5	2013.8
27.5°	2664.3	2682.5	2713.7	2729.3	2725.4	2717.6	2672.1	2569.3	2421.0	2233.7	2041.1
30°	2331.2	2397.6	2456.1	2534.2	2557.6	2614.8	2640.8	2582.3	2463.9	2289.6	2076.3
32.5°	1933.2	2029.4	2156.9	2199.8	2274.0	2384.6	2508.2	2530.3	2456.1	2322.1	2098.4
35°	1585.8	1665.2	1764.0	1831.7	1898.0	2077.6	2233.7	2369.0	2393.7	2305.2	2093.2
37.5°	1312.6	1368.6	1455.7	1513.0	1574.1	1727.6	1946.2	2121.8	2245.4	2248.0	2078.9
40°	1114.9	1139.6	1215.1	1256.7	1315.2	1447.9	1643.0	1872.0	2052.8	2136.1	2041.1
42.5°	944.5	977.0	1039.4	1070.6	1108.4	1224.2	1352.9	1570.2	1794.0	1972.2	1970.9
45°	843.0	866.4	895.0	921.0	964.0	1032.9	1179.9	1342.5	1557.2	1758.8	1838.2
47.5°	753.2	775.3	804.0	811.8	840.4	905.4	995.2	1137.0	1337.3	1537.7	1687.3
50°	677.8	696.0	715.5	729.8	742.8	796.2	863.8	983.5	1143.5	1337.3	1523.4
52.5°	619.2	632.2	649.2	657.0	668.7	707.7	759.7	848.2	979.6	1156.5	1337.3
55°	564.6	573.7	584.1	597.1	602.3	630.9	671.3	746.7	844.3	1003.0	1174.7
57.5°	513.9	517.8	524.3	532.1	538.6	563.3	598.4	649.2	735.0	857.3	1019.9
60°	456.6	467.0	470.9	478.7	482.6	502.2	529.5	572.4	638.7	744.1	866.4
62.5°	408.5	415.0	421.5	425.4	434.5	441.0	463.1	502.2	556.8	634.8	745.4
65°	365.6	368.2	372.1	376.0	378.6	386.4	407.2	433.2	474.8	543.8	629.6
67.5°	316.1	318.7	323.9	325.2	327.8	338.2	349.9	372.1	407.2	459.2	529.5
70°	268.0	271.9	274.5	277.1	281.0	284.9	297.9	316.1	343.4	379.9	434.5
72.5°	226.4	230.3	230.3	232.9	231.6	236.8	249.8	262.8	281.0	310.9	359.1
75°	184.7	184.7	187.3	188.6	189.9	195.1	200.3	210.7	225.1	248.5	278.4
77.5°	145.7	144.4	147.0	147.0	147.0	150.9	156.1	161.3	170.4	187.3	210.7
80°	106.7	106.7	109.3	110.6	108.0	109.3	111.9	117.1	123.6	135.3	148.3
82.5°	70.2	75.5	74.2	75.5	74.2	76.8	78.1	79.4	82.0	87.2	96.3
85°	42.9	42.9	42.9	44.2	42.9	44.2	44.2	44.2	45.5	48.1	52.0
87.5°	18.2	18.2	18.2	19.5	18.2	18.2	19.5	18.2	19.5	19.5	20.8
90°	36.3	35.7	35.2	34.9	34.3	33.2	32.1	31.0	29.9	26.3	22.7
92.5°	54.7	55.3	55.8	56.1	55.7	54.9	54.0	53.2	52.4	50.7	49.1
95°	97.3	97.3	97.3	97.3	96.7	95.6	94.5	93.4	92.3	90.1	87.9
97.5°	140.3	140.6	140.9	141.0	140.3	138.9	137.5	136.1	134.7	133.1	131.4
100°	188.5	187.9	187.4	187.1	186.7	185.9	185.0	184.2	183.4	182.0	180.6
102.5°	241.3	241.6	241.9	242.0	241.6	240.8	239.9	239.1	238.3	236.4	234.4
105°	295.8	295.2	294.7	294.4	294.4	294.4	294.4	294.4	294.4	291.9	289.4
107.5°	354.9	355.2	355.5	355.6	355.2	354.3	353.5	352.6	351.8	350.7	349.6
110°	414.1	414.7	415.2	415.5	414.9	413.8	412.7	411.6	410.5	409.9	409.4

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	475.3	475.3	475.3	475.3	474.6	473.2	471.9	470.5	469.1	469.1	469.1
115°	532.0	532.3	532.6	532.7	532.6	532.3	532.0	531.8	531.5	532.1	532.6
117.5°	590.5	591.4	592.2	592.6	592.6	592.6	592.6	592.6	592.6	593.2	593.7
120°	651.1	651.7	652.2	652.5	652.6	652.9	653.2	653.4	653.7	655.1	656.5
122.5°	710.3	711.1	712.0	712.4	712.8	713.6	714.5	715.3	716.1	716.7	717.2
125°	769.5	770.6	771.7	772.3	772.9	774.0	775.1	776.2	777.3	777.9	778.4
127.5°	828.1	829.2	830.3	830.9	831.7	833.4	835.1	836.7	838.4	839.0	839.5
130°	887.2	889.1	891.0	892.0	892.6	893.7	894.8	895.9	897.0	897.8	898.7
132.5°	946.0	947.3	948.7	949.4	950.1	951.5	952.9	954.3	955.7	956.3	956.8
135°	1006.7	1007.3	1007.8	1008.1	1008.7	1009.8	1010.9	1012.0	1013.1	1013.4	1013.6
137.5°	1062.1	1063.0	1063.8	1064.2	1064.9	1066.3	1067.7	1069.1	1070.5	1069.7	1068.8
140°	1118.0	1120.0	1121.9	1122.9	1123.0	1123.3	1123.6	1123.8	1124.1	1123.8	1123.6
142.5°	1171.8	1173.2	1174.6	1175.3	1175.4	1175.7	1176.0	1176.2	1176.5	1175.9	1175.4
145°	1223.6	1224.7	1225.8	1226.4	1226.5	1226.8	1227.1	1227.4	1227.7	1226.9	1226.0
147.5°	1272.1	1273.8	1275.5	1276.3	1276.3	1276.3	1276.3	1276.3	1276.3	1275.5	1274.7
150°	1317.0	1318.7	1320.4	1321.2	1321.2	1321.2	1321.2	1321.2	1321.2	1320.6	1320.1
152.5°	1360.2	1361.5	1362.9	1363.6	1363.3	1362.8	1362.2	1361.7	1361.1	1360.8	1360.6
155°	1400.0	1401.9	1403.8	1404.8	1404.2	1403.1	1402.0	1400.9	1399.8	1399.5	1399.3
157.5°	1435.6	1437.2	1438.9	1439.7	1439.2	1438.1	1437.0	1435.9	1434.8	1434.5	1434.2
160°	1469.4	1470.5	1471.6	1472.2	1471.5	1470.1	1468.7	1467.3	1465.9	1465.9	1465.9
162.5°	1497.3	1499.2	1501.1	1502.1	1501.4	1500.0	1498.7	1497.3	1495.9	1495.6	1495.3
165°	1522.2	1524.2	1526.1	1527.1	1526.3	1524.6	1522.9	1521.3	1519.6	1519.6	1519.6
167.5°	1544.1	1545.8	1547.5	1548.3	1547.5	1545.8	1544.1	1542.5	1540.8	1540.5	1540.3
170°	1560.9	1562.9	1564.8	1565.8	1564.8	1562.9	1560.9	1559.0	1557.0	1557.0	1557.0
172.5°	1573.4	1575.3	1577.2	1578.2	1577.4	1575.7	1574.0	1572.4	1570.7	1570.7	1570.7
175°	1582.1	1584.1	1586.0	1587.0	1586.2	1584.5	1582.8	1581.2	1579.5	1579.5	1579.5
177.5°	1587.1	1589.1	1591.0	1592.0	1591.2	1589.5	1587.8	1586.2	1584.5	1584.5	1584.5
180°	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2

TEST NUMBER: P1030654

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1379.0	1375.1	1375.1	1372.5	1364.7	1350.3	1349.0	1351.6	1343.8	1336.0	1324.3
5°	1446.6	1421.9	1414.1	1406.3	1390.7	1364.7	1354.2	1345.1	1330.8	1313.9	1295.7
7.5°	1503.9	1468.7	1458.3	1444.0	1412.8	1376.4	1352.9	1333.4	1313.9	1290.5	1268.4
10°	1575.4	1524.7	1499.9	1479.1	1436.2	1385.5	1350.3	1321.7	1290.5	1261.9	1233.3
12.5°	1656.1	1574.1	1566.3	1515.6	1466.1	1390.7	1347.7	1306.1	1264.5	1229.4	1199.4
15°	1723.7	1633.9	1601.4	1567.6	1472.6	1379.0	1337.3	1290.5	1242.4	1204.6	1160.4
17.5°	1766.6	1692.5	1623.5	1578.0	1479.1	1395.9	1315.2	1261.9	1211.1	1159.1	1122.7
20°	1818.7	1710.7	1650.9	1589.7	1492.1	1382.9	1302.2	1235.9	1173.4	1126.6	1082.4
22.5°	1870.7	1725.0	1675.6	1609.2	1494.7	1369.9	1278.8	1212.4	1140.9	1094.1	1045.9
25°	1865.5	1745.8	1663.9	1607.9	1468.7	1358.2	1251.5	1173.4	1107.1	1047.2	999.1
27.5°	1869.4	1722.4	1639.1	1574.1	1450.5	1341.2	1222.9	1140.9	1072.0	1009.5	958.8
30°	1870.7	1687.3	1614.4	1536.4	1416.7	1300.9	1190.3	1107.1	1034.2	966.6	921.0
32.5°	1866.8	1658.7	1567.6	1497.3	1363.4	1261.9	1152.6	1064.1	990.0	927.5	884.6
35°	1857.7	1624.8	1519.5	1431.0	1308.7	1205.9	1117.5	1026.4	947.1	889.8	840.4
37.5°	1833.0	1588.4	1468.7	1381.6	1245.0	1140.9	1062.8	987.4	910.6	843.0	801.4
40°	1814.8	1539.0	1418.0	1323.0	1176.0	1074.6	1009.5	938.0	862.5	801.4	761.0
42.5°	1773.1	1492.1	1366.0	1252.8	1108.4	1004.3	943.2	885.9	820.9	761.0	724.6
45°	1705.5	1441.4	1302.2	1187.7	1034.2	935.4	879.4	832.6	775.3	718.1	681.7
47.5°	1610.5	1368.6	1234.6	1120.1	961.4	861.2	805.3	770.1	724.6	676.5	645.3
50°	1507.8	1289.2	1165.6	1052.4	891.1	793.6	738.9	706.4	676.5	632.2	602.3
52.5°	1373.8	1204.6	1086.3	978.3	815.7	722.0	673.9	650.5	619.2	588.0	562.0
55°	1243.7	1095.4	997.8	895.0	741.5	654.4	607.5	582.8	564.6	538.6	517.8
57.5°	1092.8	993.9	904.1	810.5	672.6	593.2	549.0	519.1	507.4	495.6	476.1
60°	953.6	878.1	805.3	727.2	601.0	529.5	486.5	463.1	451.4	443.6	430.6
62.5°	826.1	767.5	705.1	642.6	528.2	463.1	430.6	407.2	396.8	395.5	383.8
65°	703.8	662.2	611.4	550.3	460.5	403.3	372.1	357.8	346.0	346.0	336.9
67.5°	581.5	552.9	512.6	469.6	399.4	346.0	317.4	304.4	297.9	297.9	291.4
70°	483.9	464.4	428.0	390.3	329.1	288.8	266.7	255.0	251.1	252.4	247.2
72.5°	392.9	372.1	342.1	314.8	269.3	239.4	223.8	210.7	204.2	205.5	204.2
75°	304.4	294.0	268.0	247.2	210.7	189.9	175.6	169.1	163.9	165.2	162.6
77.5°	229.0	213.3	199.0	184.7	162.6	145.7	134.0	127.5	123.6	123.6	123.6
80°	156.1	153.5	141.8	134.0	115.8	102.8	93.7	92.4	88.5	88.5	88.5
82.5°	101.5	95.0	88.5	83.3	72.9	65.0	61.1	58.5	57.2	55.9	58.5
85°	55.9	52.0	49.4	44.2	40.3	36.4	32.5	31.2	29.9	31.2	29.9
87.5°	22.1	18.2	18.2	16.9	15.6	14.3	14.3	11.7	11.7	10.4	10.4
90°	19.1	15.5	13.7	12.3	9.5	6.8	4.0	1.2	4.0	6.8	9.5
92.5°	47.4	45.7	44.9	44.1	42.4	40.7	39.1	37.4	39.1	40.7	42.4
95°	85.6	83.4	82.3	81.3	79.4	77.5	75.5	73.6	75.5	77.5	79.4
97.5°	129.8	128.1	127.3	126.6	125.2	123.8	122.4	121.0	122.4	123.8	125.2
100°	179.3	177.9	177.2	176.4	174.7	173.0	171.4	169.7	171.4	173.0	174.7
102.5°	232.5	230.6	229.6	229.2	228.3	227.5	226.6	225.8	226.6	227.5	228.3
105°	286.9	284.4	283.2	282.9	282.4	281.8	281.3	280.7	281.3	281.8	282.4
107.5°	348.5	347.4	346.8	346.7	346.4	346.1	345.9	345.6	345.9	346.1	346.4
110°	408.8	408.3	408.0	407.7	407.2	406.6	406.1	405.5	406.1	406.6	407.2

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	469.1	469.1	469.1	469.0	468.7	468.4	468.2	467.9	468.2	468.4	468.7
115°	533.2	533.7	534.0	533.6	532.7	531.9	531.0	530.2	531.0	531.9	532.7
117.5°	594.3	594.8	595.1	595.0	594.7	594.4	594.2	593.9	594.2	594.4	594.7
120°	657.9	659.3	660.0	659.2	657.5	655.8	654.2	652.5	654.2	655.8	657.5
122.5°	717.8	718.3	718.6	718.0	716.9	715.8	714.7	713.6	714.7	715.8	716.9
125°	779.0	779.5	779.8	779.4	778.5	777.7	776.8	776.0	776.8	777.7	778.5
127.5°	840.1	840.6	840.9	840.1	838.4	836.7	835.1	833.4	835.1	836.7	838.4
130°	899.5	900.4	900.8	899.7	897.5	895.2	893.0	890.8	893.0	895.2	897.5
132.5°	957.4	957.9	958.2	957.1	954.9	952.6	950.4	948.2	950.4	952.6	954.9
135°	1013.9	1014.2	1014.3	1013.5	1011.8	1010.1	1008.5	1006.8	1008.5	1010.1	1011.8
137.5°	1068.0	1067.1	1066.7	1066.0	1064.6	1063.3	1061.9	1060.5	1061.9	1063.3	1064.6
140°	1123.3	1123.0	1122.9	1122.2	1120.8	1119.4	1118.0	1116.6	1118.0	1119.4	1120.8
142.5°	1174.8	1174.3	1174.0	1173.3	1171.9	1170.6	1169.2	1167.8	1169.2	1170.6	1171.9
145°	1225.2	1224.3	1223.9	1223.6	1223.1	1222.5	1222.0	1221.4	1222.0	1222.5	1223.1
147.5°	1273.8	1273.0	1272.6	1272.0	1270.9	1269.8	1268.7	1267.6	1268.7	1269.8	1270.9
150°	1319.5	1319.0	1318.7	1318.4	1317.9	1317.3	1316.8	1316.2	1316.8	1317.3	1317.9
152.5°	1360.3	1360.0	1359.9	1359.5	1358.7	1357.8	1357.0	1356.2	1357.0	1357.8	1358.7
155°	1399.0	1398.7	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6
157.5°	1433.9	1433.6	1433.5	1433.6	1433.9	1434.2	1434.5	1434.8	1434.5	1434.2	1433.9
160°	1465.9	1465.9	1465.9	1466.2	1466.7	1467.3	1467.8	1468.4	1467.8	1467.3	1466.7
162.5°	1495.0	1494.7	1494.6	1495.0	1495.9	1496.7	1497.6	1498.4	1497.6	1496.7	1495.9
165°	1519.6	1519.6	1519.6	1520.0	1520.8	1521.7	1522.5	1523.3	1522.5	1521.7	1520.8
167.5°	1540.0	1539.7	1539.6	1540.1	1541.2	1542.3	1543.4	1544.5	1543.4	1542.3	1541.2
170°	1557.0	1557.0	1557.0	1557.6	1558.7	1559.8	1560.9	1562.0	1560.9	1559.8	1558.7
172.5°	1570.7	1570.7	1570.7	1571.3	1572.4	1573.5	1574.6	1575.7	1574.6	1573.5	1572.4
175°	1579.5	1579.5	1579.5	1580.1	1581.2	1582.3	1583.4	1584.5	1583.4	1582.3	1581.2
177.5°	1584.5	1584.5	1584.5	1585.1	1586.2	1587.3	1588.4	1589.5	1588.4	1587.3	1586.2
180°	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1321.7	1320.4	1323.0	1315.2	1302.2	1295.7	1277.5	1273.6	1272.3	1273.6	1274.9
5°	1285.3	1284.0	1280.1	1267.1	1251.5	1239.8	1217.7	1216.4	1208.5	1200.7	1204.6
7.5°	1250.2	1245.0	1237.2	1220.3	1199.4	1186.4	1168.2	1155.2	1144.8	1138.3	1133.1
10°	1215.1	1207.2	1199.4	1177.3	1151.3	1131.8	1109.7	1099.3	1087.6	1082.4	1077.2
12.5°	1169.5	1161.7	1147.4	1121.4	1105.8	1081.1	1058.9	1048.5	1042.0	1031.6	1025.1
15°	1133.1	1117.5	1109.7	1082.4	1049.8	1047.2	1006.9	1004.3	991.3	991.3	980.9
17.5°	1091.5	1079.8	1065.4	1038.1	1014.7	991.3	970.5	962.7	951.0	948.4	943.2
20°	1051.1	1035.5	1030.3	1003.0	978.3	949.7	927.5	919.7	914.5	909.3	913.2
22.5°	1009.5	996.5	983.5	958.8	940.6	911.9	898.9	891.1	883.3	880.7	882.0
25°	969.2	957.5	944.5	919.7	900.2	876.8	865.1	861.2	857.3	857.3	856.0
27.5°	930.2	918.4	906.7	884.6	865.1	848.2	839.1	835.2	831.3	833.9	836.5
30°	889.8	879.4	869.0	849.5	833.9	818.3	813.1	810.5	809.2	815.7	815.7
32.5°	853.4	844.3	836.5	818.3	802.7	789.7	785.7	787.1	788.4	792.3	794.9
35°	815.7	809.2	801.4	785.7	772.7	761.0	762.3	762.3	764.9	771.4	776.6
37.5°	781.8	772.7	766.2	753.2	742.8	732.4	736.3	740.2	742.8	750.6	753.2
40°	741.5	737.6	732.4	719.4	710.3	709.0	710.3	712.9	718.1	722.0	725.9
42.5°	709.0	703.8	697.3	686.9	679.1	680.4	681.7	684.3	686.9	693.4	697.3
45°	672.6	668.7	663.5	654.4	647.9	649.2	650.5	650.5	653.1	660.9	663.5
47.5°	632.2	633.5	627.0	617.9	614.0	614.0	614.0	616.6	623.1	625.7	627.0
50°	593.2	590.6	589.3	580.2	577.6	576.3	577.6	578.9	588.0	586.7	590.6
52.5°	551.6	551.6	550.3	545.1	541.2	541.2	538.6	545.1	547.7	550.3	554.2
55°	511.3	507.4	506.1	503.5	498.2	496.9	499.5	507.4	510.0	512.6	516.5
57.5°	467.0	467.0	464.4	460.5	460.5	460.5	460.5	465.7	469.6	472.2	480.0
60°	426.7	421.5	417.6	417.6	417.6	416.3	424.1	424.1	431.9	433.2	435.8
62.5°	378.6	376.0	373.4	374.7	373.4	376.0	378.6	383.8	385.1	389.0	392.9
65°	333.0	333.0	330.4	338.2	333.0	333.0	339.5	339.5	342.1	346.0	351.2
67.5°	288.8	290.1	287.5	287.5	290.1	291.4	292.7	297.9	299.2	304.4	310.9
70°	243.3	245.9	247.2	244.6	247.2	249.8	252.4	253.7	258.9	261.5	265.4
72.5°	202.9	205.5	201.6	202.9	204.2	206.8	208.1	210.7	213.3	221.2	223.8
75°	162.6	161.3	160.0	165.2	162.6	167.8	169.1	169.1	171.7	178.2	180.8
77.5°	124.9	124.9	126.2	123.6	127.5	126.2	127.5	131.4	135.3	135.3	145.7
80°	87.2	89.8	89.8	89.8	91.1	92.4	89.8	96.3	97.6	97.6	101.5
82.5°	55.9	57.2	55.9	58.5	58.5	61.1	59.8	61.1	63.7	66.3	67.6
85°	29.9	29.9	32.5	32.5	31.2	32.5	31.2	32.5	35.1	35.1	36.4
87.5°	10.4	10.4	10.4	10.4	11.7	10.4	11.7	11.7	10.4	10.4	14.3
90°	12.3	13.7	15.5	19.1	22.7	26.3	29.9	31.0	32.1	33.2	34.3
92.5°	44.1	44.9	45.7	47.4	49.1	50.7	52.4	53.2	54.0	54.9	55.7
95°	81.3	82.3	83.4	85.6	87.9	90.1	92.3	93.4	94.5	95.6	96.7
97.5°	126.6	127.3	128.1	129.8	131.4	133.1	134.7	136.1	137.5	138.9	140.3
100°	176.4	177.2	177.9	179.3	180.6	182.0	183.4	184.2	185.0	185.9	186.7
102.5°	229.2	229.6	230.6	232.5	234.4	236.4	238.3	239.1	239.9	240.8	241.6
105°	282.9	283.2	284.4	286.9	289.4	291.9	294.4	294.4	294.4	294.4	294.4
107.5°	346.7	346.8	347.4	348.5	349.6	350.7	351.8	352.6	353.5	354.3	355.2
110°	407.7	408.0	408.3	408.8	409.4	409.9	410.5	411.6	412.7	413.8	414.9

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	469.0	469.1	469.1	469.1	469.1	469.1	469.1	470.5	471.9	473.2	474.6
115°	533.6	534.0	533.7	533.2	532.6	532.1	531.5	531.8	532.0	532.3	532.6
117.5°	595.0	595.1	594.8	594.3	593.7	593.2	592.6	592.6	592.6	592.6	592.6
120°	659.2	660.0	659.3	657.9	656.5	655.1	653.7	653.4	653.2	652.9	652.6
122.5°	718.0	718.6	718.3	717.8	717.2	716.7	716.1	715.3	714.5	713.6	712.8
125°	779.4	779.8	779.5	779.0	778.4	777.9	777.3	776.2	775.1	774.0	772.9
127.5°	840.1	840.9	840.6	840.1	839.5	839.0	838.4	836.7	835.1	833.4	831.7
130°	899.7	900.8	900.4	899.5	898.7	897.8	897.0	895.9	894.8	893.7	892.6
132.5°	957.1	958.2	957.9	957.4	956.8	956.3	955.7	954.3	952.9	951.5	950.1
135°	1013.5	1014.3	1014.2	1013.9	1013.6	1013.4	1013.1	1012.0	1010.9	1009.8	1008.7
137.5°	1066.0	1066.7	1067.1	1068.0	1068.8	1069.7	1070.5	1069.1	1067.7	1066.3	1064.9
140°	1122.2	1122.9	1123.0	1123.3	1123.6	1123.8	1124.1	1123.8	1123.6	1123.3	1123.0
142.5°	1173.3	1174.0	1174.3	1174.8	1175.4	1175.9	1176.5	1176.2	1176.0	1175.7	1175.4
145°	1223.6	1223.9	1224.3	1225.2	1226.0	1226.9	1227.7	1227.4	1227.1	1226.8	1226.5
147.5°	1272.0	1272.6	1273.0	1273.8	1274.7	1275.5	1276.3	1276.3	1276.3	1276.3	1276.3
150°	1318.4	1318.7	1319.0	1319.5	1320.1	1320.6	1321.2	1321.2	1321.2	1321.2	1321.2
152.5°	1359.5	1359.9	1360.0	1360.3	1360.6	1360.8	1361.1	1361.7	1362.2	1362.8	1363.3
155°	1398.6	1398.6	1398.7	1399.0	1399.3	1399.5	1399.8	1400.9	1402.0	1403.1	1404.2
157.5°	1433.6	1433.5	1433.6	1433.9	1434.2	1434.5	1434.8	1435.9	1437.0	1438.1	1439.2
160°	1466.2	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1467.3	1468.7	1470.1	1471.5
162.5°	1495.0	1494.6	1494.7	1495.0	1495.3	1495.6	1495.9	1497.3	1498.7	1500.0	1501.4
165°	1520.0	1519.6	1519.6	1519.6	1519.6	1519.6	1519.6	1521.3	1522.9	1524.6	1526.3
167.5°	1540.1	1539.6	1539.7	1540.0	1540.3	1540.5	1540.8	1542.5	1544.1	1545.8	1547.5
170°	1557.6	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1559.0	1560.9	1562.9	1564.8
172.5°	1571.3	1570.7	1570.7	1570.7	1570.7	1570.7	1570.7	1572.4	1574.0	1575.7	1577.4
175°	1580.1	1579.5	1579.5	1579.5	1579.5	1579.5	1579.5	1581.2	1582.8	1584.5	1586.2
177.5°	1585.1	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1586.2	1587.8	1589.5	1591.2
180°	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1273.6	1274.9	1269.7	1265.8	1276.2	1269.7	1269.7	1271.0	1268.4	1272.3	1271.0
5°	1202.0	1203.3	1194.2	1196.8	1191.6	1190.3	1189.0	1196.8	1195.5	1194.2	1196.8
7.5°	1131.8	1131.8	1127.9	1125.3	1125.3	1121.4	1126.6	1125.3	1127.9	1127.9	1131.8
10°	1073.3	1075.9	1069.3	1062.8	1061.5	1062.8	1062.8	1064.1	1065.4	1074.6	1073.3
12.5°	1025.1	1021.2	1019.9	1016.0	1009.5	1006.9	1004.3	1018.6	1014.7	1014.7	1014.7
15°	971.8	980.9	979.6	967.9	965.3	970.5	967.9	967.9	980.9	979.6	978.3
17.5°	943.2	940.6	938.0	931.5	932.8	931.5	932.8	932.8	940.6	940.6	940.6
20°	910.6	905.4	905.4	902.8	902.8	898.9	904.1	905.4	910.6	910.6	911.9
22.5°	882.0	878.1	878.1	876.8	879.4	874.2	879.4	880.7	880.7	884.6	884.6
25°	857.3	854.7	854.7	857.3	857.3	857.3	857.3	862.5	858.6	859.9	858.6
27.5°	835.2	836.5	837.8	839.1	837.8	839.1	840.4	843.0	844.3	843.0	840.4
30°	814.4	818.3	819.6	819.6	822.2	823.5	824.8	824.8	826.1	822.2	824.8
32.5°	798.8	798.8	801.4	802.7	805.3	806.6	806.6	809.2	807.9	804.0	805.3
35°	776.6	776.6	781.8	784.4	788.4	787.1	788.4	788.4	789.7	787.1	783.1
37.5°	754.5	757.1	757.1	762.3	763.6	764.9	763.6	766.2	764.9	762.3	761.0
40°	728.5	727.2	728.5	732.4	733.7	733.7	733.7	736.3	736.3	736.3	735.0
42.5°	696.0	699.9	698.6	702.5	701.2	701.2	703.8	706.4	707.7	703.8	705.1
45°	664.8	664.8	667.4	667.4	668.7	668.7	673.9	671.3	673.9	671.3	672.6
47.5°	630.9	632.2	632.2	633.5	636.1	638.7	636.1	637.4	637.4	638.7	636.1
50°	593.2	593.2	595.8	599.7	604.9	602.3	601.0	606.2	602.3	602.3	599.7
52.5°	554.2	558.1	559.4	563.3	567.2	568.5	569.8	567.2	568.5	564.6	565.9
55°	516.5	517.8	523.0	526.9	530.8	530.8	529.5	530.8	532.1	526.9	526.9
57.5°	478.7	482.6	487.8	487.8	493.0	493.0	491.7	491.7	493.0	489.1	487.8
60°	438.4	442.3	448.8	448.8	456.6	457.9	455.3	452.7	452.7	448.8	450.1
62.5°	395.5	399.4	403.3	409.8	415.0	412.4	417.6	412.4	413.7	405.9	405.9
65°	357.8	359.1	365.6	372.1	372.1	374.7	372.1	373.4	369.5	369.5	364.3
67.5°	313.5	313.5	320.0	326.5	333.0	333.0	333.0	329.1	329.1	325.2	325.2
70°	274.5	273.2	279.7	283.6	287.5	288.8	286.2	284.9	282.3	278.4	277.1
72.5°	226.4	229.0	235.5	238.1	244.6	243.3	249.8	242.0	242.0	235.5	234.2
75°	183.4	186.0	192.5	196.4	200.3	200.3	204.2	200.3	195.1	192.5	191.2
77.5°	145.7	144.4	149.6	156.1	157.4	156.1	158.7	157.4	152.2	152.2	149.6
80°	104.1	108.0	113.2	111.9	117.1	115.8	115.8	113.2	113.2	109.3	111.9
82.5°	68.9	72.9	74.2	72.9	74.2	76.8	78.1	76.8	76.8	74.2	75.5
85°	36.4	36.4	39.0	40.3	39.0	39.0	40.3	44.2	41.6	39.0	41.6
87.5°	11.7	10.4	10.4	11.7	10.4	10.4	11.7	11.7	13.0	13.0	13.0
90°	34.9	35.2	35.7	36.3	36.8	37.4	36.8	36.3	35.7	35.2	34.9
92.5°	56.1	55.8	55.3	54.7	54.2	53.6	54.2	54.7	55.3	55.8	56.1
95°	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.5°	141.0	140.9	140.6	140.3	140.0	139.7	140.0	140.3	140.6	140.9	141.0
100°	187.1	187.4	187.9	188.5	189.0	189.6	189.0	188.5	187.9	187.4	187.1
102.5°	242.0	241.9	241.6	241.3	241.1	240.8	241.1	241.3	241.6	241.9	242.0
105°	294.4	294.7	295.2	295.8	296.3	296.9	296.3	295.8	295.2	294.7	294.4
107.5°	355.6	355.5	355.2	354.9	354.6	354.3	354.6	354.9	355.2	355.5	355.6
110°	415.5	415.2	414.7	414.1	413.6	413.0	413.6	414.1	414.7	415.2	415.5

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3
115°	532.7	532.6	532.3	532.0	531.8	531.5	531.8	532.0	532.3	532.6	532.7
117.5°	592.6	592.2	591.4	590.5	589.7	588.9	589.7	590.5	591.4	592.2	592.6
120°	652.5	652.2	651.7	651.1	650.6	650.0	650.6	651.1	651.7	652.2	652.5
122.5°	712.4	712.0	711.1	710.3	709.4	708.6	709.4	710.3	711.1	712.0	712.4
125°	772.3	771.7	770.6	769.5	768.4	767.3	768.4	769.5	770.6	771.7	772.3
127.5°	830.9	830.3	829.2	828.1	827.0	825.9	827.0	828.1	829.2	830.3	830.9
130°	892.0	891.0	889.1	887.2	885.2	883.3	885.2	887.2	889.1	891.0	892.0
132.5°	949.4	948.7	947.3	946.0	944.6	943.2	944.6	946.0	947.3	948.7	949.4
135°	1008.1	1007.8	1007.3	1006.7	1006.2	1005.6	1006.2	1006.7	1007.3	1007.8	1008.1
137.5°	1064.2	1063.8	1063.0	1062.1	1061.3	1060.5	1061.3	1062.1	1063.0	1063.8	1064.2
140°	1122.9	1121.9	1120.0	1118.0	1116.1	1114.1	1116.1	1118.0	1120.0	1121.9	1122.9
142.5°	1175.3	1174.6	1173.2	1171.8	1170.4	1169.0	1170.4	1171.8	1173.2	1174.6	1175.3
145°	1226.4	1225.8	1224.7	1223.6	1222.5	1221.4	1222.5	1223.6	1224.7	1225.8	1226.4
147.5°	1276.3	1275.5	1273.8	1272.1	1270.5	1268.8	1270.5	1272.1	1273.8	1275.5	1276.3
150°	1321.2	1320.4	1318.7	1317.0	1315.4	1313.7	1315.4	1317.0	1318.7	1320.4	1321.2
152.5°	1363.6	1362.9	1361.5	1360.2	1358.8	1357.4	1358.8	1360.2	1361.5	1362.9	1363.6
155°	1404.8	1403.8	1401.9	1400.0	1398.0	1396.1	1398.0	1400.0	1401.9	1403.8	1404.8
157.5°	1439.7	1438.9	1437.2	1435.6	1433.9	1432.3	1433.9	1435.6	1437.2	1438.9	1439.7
160°	1472.2	1471.6	1470.5	1469.4	1468.3	1467.2	1468.3	1469.4	1470.5	1471.6	1472.2
162.5°	1502.1	1501.1	1499.2	1497.3	1495.3	1493.4	1495.3	1497.3	1499.2	1501.1	1502.1
165°	1527.1	1526.1	1524.2	1522.2	1520.3	1518.3	1520.3	1522.2	1524.2	1526.1	1527.1
167.5°	1548.3	1547.5	1545.8	1544.1	1542.5	1540.8	1542.5	1544.1	1545.8	1547.5	1548.3
170°	1565.8	1564.8	1562.9	1560.9	1559.0	1557.0	1559.0	1560.9	1562.9	1564.8	1565.8
172.5°	1578.2	1577.2	1575.3	1573.4	1571.4	1569.5	1571.4	1573.4	1575.3	1577.2	1578.2
175°	1587.0	1586.0	1584.1	1582.1	1580.2	1578.2	1580.2	1582.1	1584.1	1586.0	1587.0
177.5°	1592.0	1591.0	1589.1	1587.1	1585.2	1583.2	1585.2	1587.1	1589.1	1591.0	1592.0
180°	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2

TEST NUMBER: P1030654

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5	1342.5
2.5°	1274.9	1277.5	1278.8	1273.6	1269.7	1276.2	1285.3	1291.8	1297.0	1303.5	1307.4
5°	1199.4	1208.5	1208.5	1211.1	1215.1	1221.6	1238.5	1250.2	1260.6	1268.4	1274.9
7.5°	1135.7	1142.2	1146.1	1152.6	1159.1	1168.2	1187.7	1204.6	1220.3	1229.4	1239.8
10°	1078.5	1083.7	1090.2	1094.1	1105.8	1118.8	1143.5	1157.8	1176.0	1190.3	1203.3
12.5°	1023.8	1042.0	1045.9	1044.6	1055.0	1069.3	1094.1	1116.2	1135.7	1150.0	1164.3
15°	984.8	991.3	999.1	997.8	1019.9	1023.8	1044.6	1070.6	1096.7	1105.8	1118.8
17.5°	941.9	952.3	960.1	964.0	970.5	984.8	1004.3	1023.8	1057.6	1058.9	1092.8
20°	908.0	918.4	923.6	928.9	932.8	949.7	966.6	988.7	1016.0	1030.3	1048.5
22.5°	885.9	891.1	895.0	898.9	904.1	913.2	934.1	958.8	977.0	992.6	1004.3
25°	859.9	865.1	870.3	872.9	876.8	882.0	897.6	917.1	943.2	953.6	965.3
27.5°	841.7	841.7	844.3	844.3	849.5	854.7	866.4	884.6	905.4	918.4	934.1
30°	822.2	820.9	822.2	820.9	819.6	827.4	837.8	853.4	867.7	883.3	893.7
32.5°	802.7	801.4	801.4	802.7	797.5	801.4	806.6	820.9	836.5	844.3	856.0
35°	781.8	779.2	779.2	779.2	776.6	774.0	779.2	792.3	802.7	813.1	822.2
37.5°	761.0	757.1	757.1	754.5	751.9	748.0	748.0	758.4	772.7	776.6	788.4
40°	732.4	732.4	729.8	728.5	725.9	723.3	719.4	728.5	741.5	745.4	754.5
42.5°	703.8	699.9	698.6	698.6	698.6	694.7	692.1	698.6	706.4	712.9	718.1
45°	671.3	668.7	670.0	668.7	666.1	664.8	663.5	666.1	675.2	677.8	684.3
47.5°	636.1	634.8	634.8	633.5	632.2	633.5	628.3	634.8	637.4	640.0	645.3
50°	599.7	598.4	597.1	595.8	595.8	597.1	595.8	595.8	601.0	603.6	608.8
52.5°	563.3	559.4	559.4	558.1	558.1	555.5	558.1	559.4	562.0	564.6	567.2
55°	524.3	524.3	520.4	520.4	517.8	517.8	519.1	517.8	523.0	525.6	525.6
57.5°	486.5	481.3	482.6	480.0	477.4	476.1	476.1	478.7	481.3	481.3	483.9
60°	446.2	441.0	439.7	434.5	437.1	433.2	434.5	434.5	439.7	437.1	439.7
62.5°	405.9	399.4	395.5	392.9	392.9	394.2	391.6	390.3	392.9	395.5	400.7
65°	363.0	359.1	355.1	351.2	351.2	349.9	352.5	348.6	347.3	348.6	351.2
67.5°	318.7	314.8	310.9	307.0	308.3	304.4	301.8	305.7	303.1	304.4	307.0
70°	275.8	273.2	265.4	262.8	261.5	262.8	261.5	258.9	262.8	261.5	262.8
72.5°	232.9	230.3	226.4	219.9	219.9	218.6	217.3	217.3	216.0	216.0	216.0
75°	191.2	186.0	182.1	180.8	178.2	176.9	175.6	173.0	174.3	175.6	173.0
77.5°	148.3	141.8	140.5	140.5	136.6	136.6	137.9	136.6	135.3	135.3	135.3
80°	109.3	104.1	104.1	101.5	98.9	98.9	98.9	98.9	97.6	96.3	97.6
82.5°	70.2	68.9	67.6	67.6	70.2	65.0	67.6	66.3	65.0	65.0	63.7
85°	39.0	40.3	39.0	40.3	37.7	39.0	39.0	39.0	37.7	39.0	36.4
87.5°	14.3	14.3	14.3	15.6	15.6	15.6	15.6	15.6	16.9	15.6	15.6
90°	34.3	33.2	32.1	31.0	29.9	26.3	22.7	19.1	15.5	13.7	12.3
92.5°	55.7	54.9	54.0	53.2	52.4	50.7	49.1	47.4	45.7	44.9	44.1
95°	96.7	95.6	94.5	93.4	92.3	90.1	87.9	85.6	83.4	82.3	81.3
97.5°	140.3	138.9	137.5	136.1	134.7	133.1	131.4	129.8	128.1	127.3	126.6
100°	186.7	185.9	185.0	184.2	183.4	182.0	180.6	179.3	177.9	177.2	176.4
102.5°	241.6	240.8	239.9	239.1	238.3	236.4	234.4	232.5	230.6	229.6	229.2
105°	294.4	294.4	294.4	294.4	294.4	291.9	289.4	286.9	284.4	283.2	282.9
107.5°	355.2	354.3	353.5	352.6	351.8	350.7	349.6	348.5	347.4	346.8	346.7
110°	414.9	413.8	412.7	411.6	410.5	409.9	409.4	408.8	408.3	408.0	407.7

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	474.6	473.2	471.9	470.5	469.1	469.1	469.1	469.1	469.1	469.1	469.0
115°	532.6	532.3	532.0	531.8	531.5	532.1	532.6	533.2	533.7	534.0	533.6
117.5°	592.6	592.6	592.6	592.6	592.6	593.2	593.7	594.3	594.8	595.1	595.0
120°	652.6	652.9	653.2	653.4	653.7	655.1	656.5	657.9	659.3	660.0	659.2
122.5°	712.8	713.6	714.5	715.3	716.1	716.7	717.2	717.8	718.3	718.6	718.0
125°	772.9	774.0	775.1	776.2	777.3	777.9	778.4	779.0	779.5	779.8	779.4
127.5°	831.7	833.4	835.1	836.7	838.4	839.0	839.5	840.1	840.6	840.9	840.1
130°	892.6	893.7	894.8	895.9	897.0	897.8	898.7	899.5	900.4	900.8	899.7
132.5°	950.1	951.5	952.9	954.3	955.7	956.3	956.8	957.4	957.9	958.2	957.1
135°	1008.7	1009.8	1010.9	1012.0	1013.1	1013.4	1013.6	1013.9	1014.2	1014.3	1013.5
137.5°	1064.9	1066.3	1067.7	1069.1	1070.5	1069.7	1068.8	1068.0	1067.1	1066.7	1066.0
140°	1123.0	1123.3	1123.6	1123.8	1124.1	1123.8	1123.6	1123.3	1123.0	1122.9	1122.2
142.5°	1175.4	1175.7	1176.0	1176.2	1176.5	1175.9	1175.4	1174.8	1174.3	1174.0	1173.3
145°	1226.5	1226.8	1227.1	1227.4	1227.7	1226.9	1226.0	1225.2	1224.3	1223.9	1223.6
147.5°	1276.3	1276.3	1276.3	1276.3	1276.3	1275.5	1274.7	1273.8	1273.0	1272.6	1272.0
150°	1321.2	1321.2	1321.2	1321.2	1321.2	1320.6	1320.1	1319.5	1319.0	1318.7	1318.4
152.5°	1363.3	1362.8	1362.2	1361.7	1361.1	1360.8	1360.6	1360.3	1360.0	1359.9	1359.5
155°	1404.2	1403.1	1402.0	1400.9	1399.8	1399.5	1399.3	1399.0	1398.7	1398.6	1398.6
157.5°	1439.2	1438.1	1437.0	1435.9	1434.8	1434.5	1434.2	1433.9	1433.6	1433.5	1433.6
160°	1471.5	1470.1	1468.7	1467.3	1465.9	1465.9	1465.9	1465.9	1465.9	1465.9	1466.2
162.5°	1501.4	1500.0	1498.7	1497.3	1495.9	1495.6	1495.3	1495.0	1494.7	1494.6	1495.0
165°	1526.3	1524.6	1522.9	1521.3	1519.6	1519.6	1519.6	1519.6	1519.6	1519.6	1520.0
167.5°	1547.5	1545.8	1544.1	1542.5	1540.8	1540.5	1540.3	1540.0	1539.7	1539.6	1540.1
170°	1564.8	1562.9	1560.9	1559.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.0	1557.6
172.5°	1577.4	1575.7	1574.0	1572.4	1570.7	1570.7	1570.7	1570.7	1570.7	1570.7	1571.3
175°	1586.2	1584.5	1582.8	1581.2	1579.5	1579.5	1579.5	1579.5	1579.5	1579.5	1580.1
177.5°	1591.2	1589.5	1587.8	1586.2	1584.5	1584.5	1584.5	1584.5	1584.5	1584.5	1585.1
180°	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2	1588.2

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1342.5	1342.5	1342.5	1342.5
2.5°	1313.9	1317.8	1330.8	1346.4
5°	1287.9	1298.3	1316.5	1341.2
7.5°	1259.3	1274.9	1300.9	1332.1
10°	1226.8	1248.9	1281.4	1320.4
12.5°	1191.6	1220.3	1261.9	1302.2
15°	1169.5	1198.1	1235.9	1280.1
17.5°	1126.6	1160.4	1199.4	1261.9
20°	1082.4	1120.1	1170.8	1233.3
22.5°	1048.5	1088.9	1137.0	1203.3
25°	1008.2	1049.8	1101.9	1170.8
27.5°	965.3	1006.9	1065.4	1138.3
30°	932.8	973.1	1029.0	1107.1
32.5°	893.7	932.8	991.3	1073.3
35°	849.5	893.7	949.7	1032.9
37.5°	815.7	856.0	914.5	993.9
40°	779.2	814.4	871.6	949.7
42.5°	740.2	779.2	828.7	906.7
45°	703.8	732.4	783.1	857.3
47.5°	664.8	697.3	736.3	793.6
50°	623.1	650.5	693.4	732.4
52.5°	582.8	604.9	641.3	671.3
55°	539.9	562.0	589.3	607.5
57.5°	499.5	515.2	533.4	545.1
60°	450.1	465.7	477.4	489.1
62.5°	405.9	417.6	424.1	430.6
65°	360.4	366.9	370.8	376.0
67.5°	310.9	317.4	318.7	326.5
70°	265.4	266.7	269.3	273.2
72.5°	222.5	225.1	223.8	226.4
75°	178.2	180.8	178.2	180.8
77.5°	135.3	137.9	137.9	141.8
80°	97.6	98.9	100.2	100.2
82.5°	63.7	67.6	65.0	66.3
85°	36.4	37.7	37.7	39.0
87.5°	16.9	18.2	16.9	19.5
90°	9.5	6.8	4.0	1.2
92.5°	42.4	40.7	39.1	37.4
95°	79.4	77.5	75.5	73.6
97.5°	125.2	123.8	122.4	121.0
100°	174.7	173.0	171.4	169.7
102.5°	228.3	227.5	226.6	225.8
105°	282.4	281.8	281.3	280.7
107.5°	346.4	346.1	345.9	345.6
110°	407.2	406.6	406.1	405.5

TEST NUMBER: P1030654

CATALOG NUMBER: S123DIW-B1000D1320UB2750-4F0-XX-W2A-A1_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	468.7	468.4	468.2	467.9
115°	532.7	531.9	531.0	530.2
117.5°	594.7	594.4	594.2	593.9
120°	657.5	655.8	654.2	652.5
122.5°	716.9	715.8	714.7	713.6
125°	778.5	777.7	776.8	776.0
127.5°	838.4	836.7	835.1	833.4
130°	897.5	895.2	893.0	890.8
132.5°	954.9	952.6	950.4	948.2
135°	1011.8	1010.1	1008.5	1006.8
137.5°	1064.6	1063.3	1061.9	1060.5
140°	1120.8	1119.4	1118.0	1116.6
142.5°	1171.9	1170.6	1169.2	1167.8
145°	1223.1	1222.5	1222.0	1221.4
147.5°	1270.9	1269.8	1268.7	1267.6
150°	1317.9	1317.3	1316.8	1316.2
152.5°	1358.7	1357.8	1357.0	1356.2
155°	1398.6	1398.6	1398.6	1398.6
157.5°	1433.9	1434.2	1434.5	1434.8
160°	1466.7	1467.3	1467.8	1468.4
162.5°	1495.9	1496.7	1497.6	1498.4
165°	1520.8	1521.7	1522.5	1523.3
167.5°	1541.2	1542.3	1543.4	1544.5
170°	1558.7	1559.8	1560.9	1562.0
172.5°	1572.4	1573.5	1574.6	1575.7
175°	1581.2	1582.3	1583.4	1584.5
177.5°	1586.2	1587.3	1588.4	1589.5
180°	1588.2	1588.2	1588.2	1588.2

(END OF REPORT)