

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: P1029160

Luminaire Tested: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029160
REPORT IS A COMBINATION OF REPORTS P985038 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K
Description: Define 2 Direct/Indirect Wall Mount with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

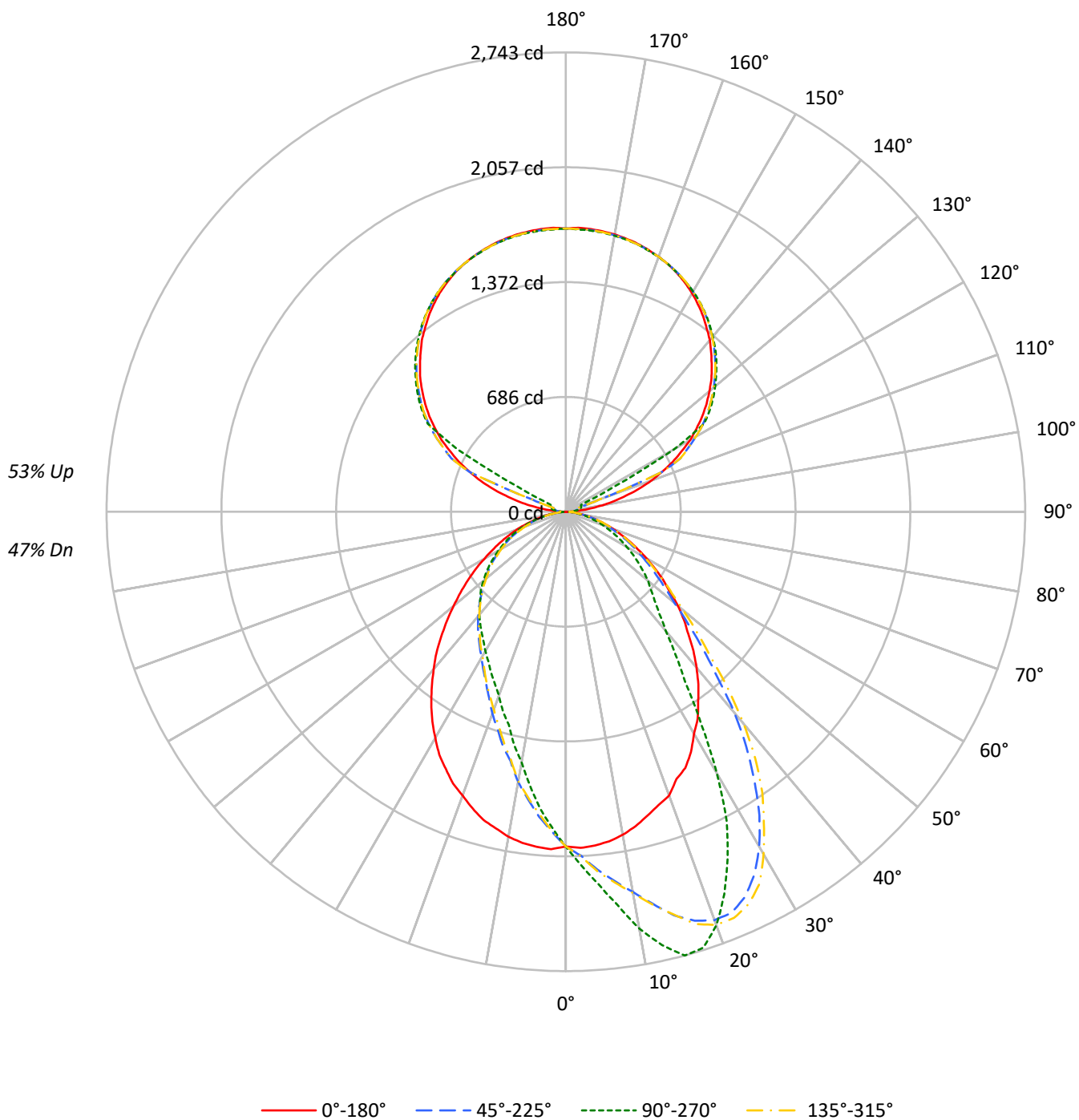
Lumens per Lamp: N/A
Luminaire Lumens: 9370.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 103.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53			47
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46			41
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	39			35
3	82	73	66	60	75	67	61	56	57	52	48	47	44	41	38	36	34			30
4	75	65	57	51	69	60	53	48	51	46	42	42	39	36	35	32	30			26
5	69	58	50	44	63	54	47	41	46	40	36	38	34	31	31	28	26			23
6	64	52	44	38	58	48	41	36	41	36	32	35	31	28	29	26	23			20
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	26	23	21			18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19			17
9	51	39	32	27	47	37	30	25	32	26	23	27	23	20	22	19	17			15
10	48	36	29	24	44	34	27	23	29	24	21	25	21	18	21	18	16			14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31633	31633	31633	31633
5°	31709	33727	31831	26833
10°	31340	36820	31537	22123
15°	30581	38835	31006	18635
20°	30103	36464	30103	16197
25°	29144	31327	29277	14485
30°	27566	24625	28092	13119
35°	26167	17029	26605	12005
40°	24560	12857	24839	11114
45°	22576	10566	22945	10154
50°	20865	9273	20900	9296
55°	18908	7902	19033	8363
60°	16826	6600	17060	7298
65°	14963	5368	15236	6232
70°	13105	4212	13438	5028
75°	10998	3057	11429	3646
80°	8583	1938	9197	2163
85°	5636	976	6074	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32700 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	2.0
10°-20°	554.0	5.9
20°-30°	804.0	8.6
30°-40°	847.6	9.0
40°-50°	750.0	8.0
50°-60°	598.9	6.4
60°-70°	406.8	4.3
70°-80°	208.1	2.2
80°-90°	52.2	0.6
90°-100°	55.8	0.6
100°-110°	207.9	2.2
110°-120°	551.3	5.9
120°-130°	914.4	9.8
130°-140°	971.3	10.4
140°-150°	902.8	9.6
150°-160°	725.8	7.7
160°-170°	467.7	5.0
170°-180°	161.0	1.7
0°-30°	1548.4	16.5
0°-40°	2396.0	25.6
0°-60°	3744.9	40.0
0°-90°	4412.0	47.1
90°-120°	815.0	8.7
90°-150°	3603.6	38.5
90°-180°	4958.0	52.9
0°-180°	9370.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1998	1998	1998	1998	1998	
5°	2000	2232	2008	1776	2000	190
15°	1879	2743	1905	1316	1879	531
25°	1688	2286	1696	1057	1688	772
35°	1378	1244	1401	877	1378	862
45°	1034	750	1051	720	1034	802
55°	710	527	714	558	710	633
65°	421	324	429	376	421	418
75°	197	160	204	190	197	211
85°	40	42	43	31	40	47
90°	1	33	1	33	1	7
95°	80	53	80	53	80	94
105°	372	93	372	93	372	397
115°	704	100	704	100	704	693
125°	995	1046	995	1046	995	887
135°	1231	1272	1231	1272	1231	951
145°	1428	1450	1428	1450	1428	893
155°	1572	1574	1572	1574	1572	725
165°	1657	1653	1657	1653	1657	468
175°	1695	1685	1695	1685	1695	161
180°	1691	1691	1691	1691	1691	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2009.1	2013.7	2021.4	2022.9	2038.3	2050.6	2064.4	2064.4	2069.0	2067.5	2055.2
5°	1999.9	2013.7	2033.7	2050.6	2078.2	2090.5	2109.0	2122.8	2135.1	2144.3	2142.8
7.5°	1984.5	2009.1	2038.3	2070.6	2107.4	2128.9	2155.0	2179.6	2196.5	2211.9	2222.6
10°	1958.4	1999.9	2039.8	2082.8	2130.5	2159.6	2190.4	2222.6	2248.7	2277.9	2305.6
12.5°	1923.1	1983.0	2032.2	2089.0	2147.4	2179.6	2228.8	2253.3	2304.0	2377.8	2397.7
15°	1878.6	1960.0	2006.0	2078.2	2155.0	2181.2	2248.7	2288.7	2393.1	2439.2	2494.5
17.5°	1837.1	1927.7	1989.1	2072.1	2147.4	2198.0	2264.1	2345.5	2433.1	2499.1	2560.5
20°	1803.3	1890.8	1964.6	2056.7	2152.0	2216.5	2285.6	2383.9	2479.1	2546.7	2594.3
22.5°	1726.5	1838.6	1924.6	2027.5	2142.8	2231.8	2297.9	2405.4	2508.3	2549.8	2591.3
25°	1688.1	1784.9	1884.7	2001.4	2136.6	2242.6	2299.4	2419.2	2509.9	2525.2	2534.4
27.5°	1617.4	1726.5	1843.2	1976.9	2135.1	2224.2	2296.4	2405.4	2477.6	2466.9	2439.2
30°	1529.9	1663.5	1792.5	1936.9	2113.6	2210.3	2277.9	2377.8	2414.6	2359.3	2310.2
32.5°	1465.4	1591.3	1734.2	1901.6	2089.0	2181.2	2247.2	2325.5	2333.2	2233.4	2150.4
35°	1377.8	1517.6	1678.9	1855.5	2047.5	2130.5	2191.9	2239.5	2202.7	2062.9	1964.6
37.5°	1299.5	1437.7	1609.8	1789.5	1990.7	2072.1	2121.2	2128.9	2038.3	1915.4	1771.0
40°	1213.5	1356.3	1536.0	1725.0	1927.7	1998.4	2029.1	2006.0	1875.5	1732.6	1565.2
42.5°	1127.4	1268.8	1462.3	1655.8	1847.8	1907.7	1920.0	1857.1	1697.3	1529.9	1336.3
45°	1033.7	1181.2	1374.7	1569.8	1755.7	1789.5	1791.0	1700.4	1511.4	1336.3	1156.6
47.5°	956.9	1093.6	1285.7	1480.7	1637.4	1660.4	1651.2	1546.8	1340.9	1144.3	987.7
50°	872.5	1003.0	1193.5	1385.5	1519.1	1525.3	1502.2	1353.2	1152.0	972.3	847.9
52.5°	781.8	913.9	1089.0	1273.4	1393.2	1384.0	1339.4	1179.7	990.7	841.7	746.5
55°	709.6	826.4	990.7	1170.4	1254.9	1228.8	1179.7	1016.8	867.9	741.9	659.0
57.5°	629.8	732.7	894.0	1050.6	1099.8	1075.2	1026.1	874.0	735.8	640.5	585.2
60°	554.5	648.2	789.5	920.1	958.5	932.4	875.5	738.8	639.0	559.1	517.6
62.5°	485.4	566.8	685.1	804.9	820.2	794.1	745.0	634.4	548.4	485.4	454.7
65°	420.9	497.7	592.9	683.5	697.4	669.7	619.0	539.1	467.0	427.0	397.8
67.5°	357.9	419.3	503.8	569.9	577.5	551.4	510.0	445.4	400.9	357.9	336.4
70°	302.6	348.7	414.7	468.5	471.6	447.0	425.5	367.1	333.3	302.6	285.7
72.5°	248.8	281.1	331.8	371.7	373.3	357.9	337.9	301.1	271.9	250.4	233.5
75°	196.6	224.3	255.0	290.3	288.8	276.5	261.1	238.1	213.5	199.7	192.0
77.5°	150.5	167.4	192.0	215.0	215.0	208.9	199.7	182.8	167.4	153.6	145.9
80°	107.5	118.3	138.2	145.9	149.0	147.5	139.8	127.5	121.3	110.6	107.5
82.5°	69.1	76.8	86.0	93.7	98.3	95.2	93.7	87.6	78.3	75.3	72.2
85°	39.9	43.0	47.6	52.2	53.8	52.2	55.3	50.7	46.1	46.1	44.5
87.5°	16.9	18.4	21.5	21.5	23.0	23.0	21.5	23.0	23.0	21.5	20.0
90°	1.2	4.2	7.2	10.2	13.2	14.7	15.8	18.0	20.1	22.3	24.5
92.5°	30.6	29.5	28.4	27.3	26.2	25.7	26.1	26.9	27.8	28.6	29.4
95°	79.5	70.5	61.6	52.6	43.7	39.2	40.1	42.0	43.9	45.8	47.7
97.5°	143.2	120.9	98.6	76.3	54.0	42.8	45.0	49.3	53.7	58.0	62.4
100°	216.6	179.3	142.1	104.8	67.5	48.9	51.2	55.9	60.5	65.2	69.8
102.5°	297.4	296.8	296.3	295.7	295.2	294.9	270.2	220.7	171.2	121.7	72.2
105°	372.0	380.2	388.3	396.5	404.6	408.7	371.6	297.3	223.1	148.8	74.6
107.5°	458.9	465.7	472.5	479.3	486.1	489.5	443.7	352.0	260.4	168.7	77.1
110°	542.1	547.8	553.5	559.2	564.9	567.8	528.5	449.9	371.4	292.8	214.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	620.4	625.3	630.2	635.1	640.0	642.5	640.2	635.6	630.9	626.3	621.7
115°	703.6	708.2	712.9	717.5	722.2	724.5	727.9	734.7	741.4	748.2	755.0
117.5°	775.9	781.3	786.7	792.2	797.6	800.3	802.6	807.2	811.9	816.5	821.1
120°	856.6	860.7	864.8	868.9	873.0	875.0	877.4	882.3	887.2	892.1	897.0
122.5°	925.1	929.5	933.8	938.2	942.5	944.7	947.4	952.9	958.3	963.8	969.2
125°	994.9	998.4	1002.0	1005.5	1009.0	1010.8	1013.4	1018.6	1023.7	1028.9	1034.1
127.5°	1058.5	1062.3	1066.1	1070.0	1073.8	1075.7	1077.7	1081.8	1085.9	1089.9	1094.0
130°	1118.5	1122.9	1127.2	1131.6	1135.9	1138.1	1139.6	1142.6	1145.5	1148.5	1151.5
132.5°	1179.7	1183.2	1186.8	1190.3	1193.8	1195.6	1197.1	1200.1	1203.1	1206.1	1209.1
135°	1231.1	1235.5	1239.8	1244.2	1248.5	1250.7	1251.9	1254.4	1256.8	1259.3	1261.7
137.5°	1284.9	1288.2	1291.4	1294.7	1298.0	1299.6	1301.0	1303.7	1306.4	1309.1	1311.8
140°	1337.5	1339.7	1341.9	1344.0	1346.2	1347.3	1348.8	1351.8	1354.8	1357.8	1360.8
142.5°	1381.6	1383.5	1385.4	1387.3	1389.2	1390.2	1392.0	1395.5	1399.0	1402.6	1406.1
145°	1428.1	1427.8	1427.6	1427.3	1427.0	1426.9	1429.2	1433.8	1438.5	1443.1	1447.7
147.5°	1468.5	1467.7	1466.9	1466.0	1465.2	1464.8	1467.1	1471.7	1476.4	1481.0	1485.6
150°	1507.6	1505.7	1503.8	1501.9	1500.0	1499.1	1501.3	1505.6	1510.0	1514.3	1518.7
152.5°	1540.7	1538.5	1536.3	1534.2	1532.0	1530.9	1532.9	1537.0	1541.1	1545.2	1549.3
155°	1572.5	1570.1	1567.6	1565.2	1562.7	1561.5	1563.1	1566.4	1569.7	1572.9	1576.2
157.5°	1598.2	1596.0	1593.8	1591.7	1589.5	1588.4	1589.6	1592.1	1594.5	1597.0	1599.4
160°	1620.2	1618.6	1617.0	1615.3	1613.7	1612.9	1613.7	1615.3	1617.0	1618.6	1620.2
162.5°	1639.8	1638.2	1636.6	1634.9	1633.3	1632.5	1633.2	1634.5	1635.9	1637.2	1638.6
165°	1656.9	1655.3	1653.7	1652.0	1650.4	1649.6	1650.0	1650.8	1651.7	1652.5	1653.3
167.5°	1670.4	1668.8	1667.2	1665.5	1663.9	1663.1	1663.5	1664.3	1665.1	1665.9	1666.7
170°	1681.4	1679.8	1678.2	1676.5	1674.9	1674.1	1674.4	1674.9	1675.4	1676.0	1676.5
172.5°	1688.8	1687.2	1685.5	1683.9	1682.2	1681.4	1681.7	1682.2	1682.8	1683.3	1683.9
175°	1694.9	1693.0	1691.1	1689.2	1687.3	1686.3	1686.6	1687.1	1687.7	1688.2	1688.8
177.5°	1697.3	1695.4	1693.5	1691.6	1689.7	1688.8	1688.9	1689.2	1689.5	1689.7	1690.0
180°	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2076.7	2078.2	2081.3	2096.7	2104.3	2105.9	2099.7	2113.6	2118.2	2113.6	2110.5
5°	2175.0	2184.2	2202.7	2222.6	2221.1	2222.6	2231.8	2241.1	2244.1	2231.8	2236.4
7.5°	2261.0	2279.5	2299.4	2330.1	2330.1	2345.5	2351.6	2359.3	2377.8	2368.5	2365.5
10°	2359.3	2383.9	2420.8	2469.9	2471.5	2486.8	2502.2	2526.8	2534.4	2528.3	2531.4
12.5°	2482.2	2529.8	2532.9	2586.7	2611.2	2614.3	2638.9	2634.3	2649.6	2649.6	2675.7
15°	2536.0	2609.7	2651.2	2703.4	2718.8	2700.3	2720.3	2741.8	2743.3	2743.3	2741.8
17.5°	2632.7	2661.9	2703.4	2731.0	2737.2	2737.2	2738.7	2747.9	2741.8	2729.5	2738.7
20°	2652.7	2665.0	2680.4	2677.3	2680.4	2665.0	2649.6	2634.3	2635.8	2628.1	2651.2
22.5°	2615.8	2612.8	2577.4	2554.4	2554.4	2523.7	2494.5	2480.7	2466.9	2471.5	2479.1
25°	2523.7	2476.1	2433.1	2399.3	2391.6	2342.4	2302.5	2290.2	2267.2	2285.6	2288.7
27.5°	2376.2	2322.5	2253.3	2224.2	2184.2	2164.3	2136.6	2099.7	2052.1	2079.8	2075.2
30°	2218.0	2138.1	2081.3	2010.7	1947.7	1943.1	1890.8	1829.4	1804.8	1804.8	1818.6
32.5°	2041.4	1935.4	1852.4	1752.6	1691.2	1665.0	1602.1	1540.6	1554.5	1508.4	1525.3
35°	1835.5	1695.8	1591.3	1494.5	1448.5	1417.7	1336.3	1302.5	1265.7	1244.2	1284.1
37.5°	1638.9	1477.7	1344.0	1238.0	1221.1	1165.8	1110.5	1089.0	1067.5	1076.8	1075.2
40°	1399.3	1256.5	1136.7	1053.7	1024.5	998.4	961.5	935.4	921.6	929.3	930.8
42.5°	1182.7	1062.9	973.8	915.5	890.9	872.5	854.0	832.5	827.9	827.9	834.1
45°	1015.3	917.0	857.1	809.5	795.7	781.8	768.0	758.8	755.7	749.6	754.2
47.5°	881.7	803.3	766.5	731.1	715.8	712.7	700.4	695.8	689.7	688.1	689.7
50°	769.5	720.4	686.6	666.6	655.9	651.3	645.1	635.9	632.8	640.5	637.4
52.5°	691.2	645.1	626.7	606.7	600.6	594.4	585.2	586.8	585.2	582.2	582.2
55°	612.9	583.7	565.3	549.9	548.4	542.2	534.5	531.5	529.9	526.9	531.5
57.5°	549.9	526.9	510.0	496.1	490.0	490.0	482.3	476.2	476.2	474.6	476.2
60°	486.9	463.9	453.1	439.3	434.7	433.2	428.6	425.5	420.9	420.9	420.9
62.5°	428.6	410.1	397.8	385.5	387.1	379.4	373.3	370.2	370.2	371.7	371.7
65°	373.3	361.0	345.6	334.9	331.8	330.2	327.2	325.6	321.0	324.1	324.1
67.5°	322.6	305.7	296.5	291.8	287.2	285.7	282.6	279.6	278.0	276.5	279.6
70°	271.9	258.1	250.4	247.3	242.7	241.2	239.6	235.0	236.5	238.1	239.6
72.5°	225.8	213.5	212.0	202.8	202.8	202.8	196.6	199.7	198.1	195.1	198.1
75°	178.2	172.0	169.0	164.4	165.9	164.4	162.8	158.2	158.2	159.7	161.3
77.5°	141.3	135.2	133.6	129.0	126.0	129.0	126.0	124.4	124.4	126.0	126.0
80°	104.4	101.4	96.8	96.8	96.8	95.2	95.2	95.2	93.7	92.2	93.7
82.5°	69.1	69.1	67.6	66.0	67.6	64.5	66.0	66.0	66.0	66.0	66.0
85°	44.5	43.0	43.0	41.5	41.5	41.5	43.0	39.9	39.9	41.5	41.5
87.5°	20.0	20.0	20.0	21.5	20.0	20.0	20.0	21.5	20.0	20.0	20.0
90°	25.9	27.2	28.6	29.9	30.6	30.9	31.4	31.9	32.5	33.0	32.5
92.5°	29.9	30.5	31.0	31.5	31.8	31.9	32.2	32.5	32.7	33.0	32.7
95°	49.1	50.4	51.8	53.1	53.8	53.7	53.4	53.1	52.9	52.6	52.9
97.5°	63.2	64.0	64.9	65.7	66.1	66.2	66.5	66.8	67.0	67.3	67.0
100°	72.0	74.1	76.3	78.4	79.5	79.8	80.3	80.9	81.4	82.0	81.4
102.5°	75.2	78.2	81.2	84.2	85.7	86.1	86.9	87.7	88.5	89.3	88.5
105°	77.6	80.6	83.6	86.6	88.1	88.6	89.7	90.8	91.9	93.0	91.9
107.5°	80.1	83.1	86.1	89.1	90.6	91.1	92.2	93.3	94.4	95.5	94.4
110°	187.0	159.8	132.6	105.4	91.8	92.3	93.4	94.5	95.6	96.7	95.6

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	504.5	387.3	270.0	152.8	94.2	94.6	95.4	96.3	97.1	97.9	97.1
115°	629.1	503.2	377.3	251.4	188.5	178.7	159.1	139.5	119.9	100.3	119.9
117.5°	782.2	743.3	704.4	665.5	646.1	610.5	539.2	468.0	396.7	325.5	396.7
120°	900.3	903.5	906.8	910.1	911.7	893.3	856.6	819.9	783.2	746.5	783.2
122.5°	970.8	972.4	974.1	975.7	976.5	976.6	976.9	977.2	977.5	977.8	977.5
125°	1036.0	1037.9	1039.8	1041.7	1042.6	1043.0	1043.8	1044.7	1045.5	1046.3	1045.5
127.5°	1096.7	1099.5	1102.2	1104.9	1106.3	1106.4	1106.7	1107.0	1107.2	1107.5	1107.2
130°	1154.5	1157.5	1160.5	1163.5	1165.0	1164.9	1164.6	1164.3	1164.1	1163.8	1164.1
132.5°	1211.5	1214.0	1216.4	1218.9	1220.1	1220.0	1219.7	1219.4	1219.1	1218.8	1219.1
135°	1264.4	1267.1	1269.8	1272.5	1273.9	1273.6	1273.1	1272.6	1272.0	1271.5	1272.0
137.5°	1314.5	1317.3	1320.0	1322.7	1324.1	1323.7	1322.9	1322.0	1321.2	1320.4	1321.2
140°	1363.2	1365.7	1368.1	1370.6	1371.8	1371.1	1369.8	1368.4	1367.1	1365.7	1367.1
142.5°	1408.3	1410.5	1412.6	1414.8	1415.9	1415.2	1413.8	1412.5	1411.1	1409.7	1411.1
145°	1449.6	1451.5	1453.4	1455.3	1456.2	1455.5	1454.2	1452.8	1451.5	1450.1	1451.5
147.5°	1487.0	1488.3	1489.7	1491.0	1491.7	1491.2	1490.1	1489.0	1487.9	1486.8	1487.9
150°	1520.3	1521.9	1523.6	1525.2	1526.0	1525.3	1524.0	1522.6	1521.3	1519.9	1521.3
152.5°	1550.9	1552.5	1554.2	1555.8	1556.6	1555.6	1553.7	1551.8	1549.9	1548.0	1549.9
155°	1577.8	1579.4	1581.1	1582.7	1583.5	1582.4	1580.2	1578.1	1575.9	1573.7	1575.9
157.5°	1601.3	1603.2	1605.1	1607.0	1608.0	1606.9	1604.7	1602.6	1600.4	1598.2	1600.4
160°	1621.8	1623.5	1625.1	1626.8	1627.6	1626.6	1624.7	1622.8	1620.9	1619.0	1620.9
162.5°	1640.5	1642.4	1644.3	1646.2	1647.2	1646.0	1643.5	1641.0	1638.6	1636.1	1638.6
165°	1655.2	1657.1	1659.0	1660.9	1661.8	1660.9	1659.0	1657.1	1655.2	1653.3	1655.2
167.5°	1668.6	1670.5	1672.4	1674.3	1675.3	1674.1	1671.6	1669.2	1666.7	1664.3	1666.7
170°	1678.4	1680.3	1682.2	1684.1	1685.1	1683.9	1681.4	1679.0	1676.5	1674.1	1676.5
172.5°	1685.8	1687.7	1689.6	1691.5	1692.4	1691.2	1688.7	1686.3	1683.8	1681.4	1683.8
175°	1690.7	1692.6	1694.5	1696.4	1697.3	1695.9	1693.2	1690.5	1687.8	1685.1	1687.8
177.5°	1691.9	1693.8	1695.7	1697.6	1698.5	1697.3	1694.8	1692.4	1689.9	1687.5	1689.9
180°	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2118.2	2107.4	2098.2	2099.7	2107.4	2101.3	2085.9	2065.9	2058.3	2049.1	2058.3
5°	2245.7	2236.4	2218.0	2219.6	2214.9	2208.8	2184.2	2153.5	2153.5	2128.9	2125.9
7.5°	2371.6	2357.8	2345.5	2342.4	2325.5	2313.2	2291.7	2248.7	2231.8	2202.7	2185.8
10°	2512.9	2502.2	2488.4	2471.5	2462.2	2440.7	2405.4	2342.4	2311.7	2271.8	2242.6
12.5°	2655.8	2654.2	2623.5	2589.7	2588.2	2554.4	2529.8	2445.3	2403.9	2350.1	2281.0
15°	2746.4	2738.7	2721.8	2704.9	2709.5	2672.7	2617.4	2517.5	2489.9	2425.4	2351.6
17.5°	2744.9	2744.9	2740.3	2737.2	2732.6	2721.8	2691.1	2625.1	2580.5	2499.1	2430.0
20°	2657.3	2677.3	2681.9	2680.4	2695.7	2703.4	2701.9	2660.4	2625.1	2552.9	2482.2
22.5°	2482.2	2528.3	2548.3	2560.5	2592.8	2609.7	2649.6	2634.3	2625.1	2571.3	2511.4
25°	2319.4	2334.8	2394.7	2397.7	2442.3	2483.7	2523.7	2549.8	2583.6	2563.6	2512.9
27.5°	2109.0	2144.3	2187.3	2219.6	2228.8	2313.2	2379.3	2428.5	2505.3	2511.4	2494.5
30°	1870.9	1887.8	1958.4	2001.4	2050.6	2112.0	2207.3	2291.7	2360.9	2423.8	2445.3
32.5°	1580.6	1649.7	1691.2	1743.4	1786.4	1895.5	2012.2	2121.2	2201.1	2307.1	2353.2
35°	1314.8	1368.6	1439.3	1460.8	1539.1	1631.3	1783.3	1923.1	2044.4	2152.0	2245.7
37.5°	1095.2	1138.2	1213.5	1247.2	1293.3	1411.6	1539.1	1712.7	1858.6	1990.7	2107.4
40°	944.7	976.9	1033.7	1044.5	1082.9	1190.4	1293.3	1456.1	1649.7	1827.9	1955.4
42.5°	841.7	857.1	895.5	909.3	933.9	1006.1	1098.3	1251.9	1431.6	1615.9	1795.6
45°	768.0	778.8	801.8	814.1	844.8	877.1	952.3	1075.2	1216.5	1402.4	1595.9
47.5°	702.0	715.8	725.0	732.7	749.6	784.9	834.1	924.7	1059.9	1230.4	1417.7
50°	646.7	651.3	668.2	669.7	680.5	703.5	749.6	804.9	912.4	1050.6	1231.9
52.5°	591.4	596.0	606.7	617.5	622.1	640.5	671.2	717.3	797.2	906.3	1067.5
55°	536.1	542.2	553.0	560.6	565.3	580.6	599.0	643.6	706.6	783.4	915.5
57.5°	480.8	494.6	497.7	502.3	510.0	526.9	543.8	569.9	619.0	689.7	786.4
60°	428.6	433.2	443.9	448.5	456.2	465.4	486.9	506.9	542.2	597.5	685.1
62.5°	374.8	385.5	390.1	394.8	400.9	411.7	425.5	447.0	477.7	522.2	591.4
65°	328.7	330.2	339.5	345.6	351.7	359.4	373.3	393.2	411.7	453.1	503.8
67.5°	284.2	287.2	290.3	296.5	304.1	311.8	324.1	334.9	357.9	385.5	425.5
70°	241.2	241.2	248.8	253.4	251.9	261.1	270.3	282.6	299.5	325.6	357.9
72.5°	202.8	201.2	207.4	208.9	212.0	218.1	224.3	236.5	245.8	265.7	290.3
75°	161.3	164.4	167.4	167.4	172.0	176.6	182.8	188.9	199.7	212.0	230.4
77.5°	127.5	127.5	130.6	132.1	136.7	135.2	141.3	147.5	155.1	165.9	179.7
80°	93.7	96.8	96.8	96.8	98.3	99.8	106.0	110.6	115.2	122.9	129.0
82.5°	66.0	66.0	69.1	69.1	69.1	72.2	72.2	73.7	76.8	81.4	86.0
85°	41.5	41.5	41.5	43.0	41.5	43.0	46.1	44.5	46.1	49.2	49.2
87.5°	20.0	20.0	20.0	20.0	20.0	21.5	20.0	21.5	23.0	23.0	23.0
90°	31.9	31.4	30.9	30.6	29.9	28.6	27.2	25.9	24.5	22.3	20.1
92.5°	32.5	32.2	31.9	31.8	31.5	31.0	30.5	29.9	29.4	28.6	27.8
95°	53.1	53.4	53.7	53.8	53.1	51.8	50.4	49.1	47.7	45.8	43.9
97.5°	66.8	66.5	66.2	66.1	65.7	64.9	64.0	63.2	62.4	58.0	53.7
100°	80.9	80.3	79.8	79.5	78.4	76.3	74.1	72.0	69.8	65.2	60.5
102.5°	87.7	86.9	86.1	85.7	84.2	81.2	78.2	75.2	72.2	121.7	171.2
105°	90.8	89.7	88.6	88.1	86.6	83.6	80.6	77.6	74.6	148.8	223.1
107.5°	93.3	92.2	91.1	90.6	89.1	86.1	83.1	80.1	77.1	168.7	260.4
110°	94.5	93.4	92.3	91.8	105.4	132.6	159.8	187.0	214.2	292.8	371.4

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	96.3	95.4	94.6	94.2	152.8	270.0	387.3	504.5	621.7	626.3	630.9
115°	139.5	159.1	178.7	188.5	251.4	377.3	503.2	629.1	755.0	748.2	741.4
117.5°	468.0	539.2	610.5	646.1	665.5	704.4	743.3	782.2	821.1	816.5	811.9
120°	819.9	856.6	893.3	911.7	910.1	906.8	903.5	900.3	897.0	892.1	887.2
122.5°	977.2	976.9	976.6	976.5	975.7	974.1	972.4	970.8	969.2	963.8	958.3
125°	1044.7	1043.8	1043.0	1042.6	1041.7	1039.8	1037.9	1036.0	1034.1	1028.9	1023.7
127.5°	1107.0	1106.7	1106.4	1106.3	1104.9	1102.2	1099.5	1096.7	1094.0	1089.9	1085.9
130°	1164.3	1164.6	1164.9	1165.0	1163.5	1160.5	1157.5	1154.5	1151.5	1148.5	1145.5
132.5°	1219.4	1219.7	1220.0	1220.1	1218.9	1216.4	1214.0	1211.5	1209.1	1206.1	1203.1
135°	1272.6	1273.1	1273.6	1273.9	1272.5	1269.8	1267.1	1264.4	1261.7	1259.3	1256.8
137.5°	1322.0	1322.9	1323.7	1324.1	1322.7	1320.0	1317.3	1314.5	1311.8	1309.1	1306.4
140°	1368.4	1369.8	1371.1	1371.8	1370.6	1368.1	1365.7	1363.2	1360.8	1357.8	1354.8
142.5°	1412.5	1413.8	1415.2	1415.9	1414.8	1412.6	1410.5	1408.3	1406.1	1402.6	1399.0
145°	1452.8	1454.2	1455.5	1456.2	1455.3	1453.4	1451.5	1449.6	1447.7	1443.1	1438.5
147.5°	1489.0	1490.1	1491.2	1491.7	1491.0	1489.7	1488.3	1487.0	1485.6	1481.0	1476.4
150°	1522.6	1524.0	1525.3	1526.0	1525.2	1523.6	1521.9	1520.3	1518.7	1514.3	1510.0
152.5°	1551.8	1553.7	1555.6	1556.6	1555.8	1554.2	1552.5	1550.9	1549.3	1545.2	1541.1
155°	1578.1	1580.2	1582.4	1583.5	1582.7	1581.1	1579.4	1577.8	1576.2	1572.9	1569.7
157.5°	1602.6	1604.7	1606.9	1608.0	1607.0	1605.1	1603.2	1601.3	1599.4	1597.0	1594.5
160°	1622.8	1624.7	1626.6	1627.6	1626.8	1625.1	1623.5	1621.8	1620.2	1618.6	1617.0
162.5°	1641.0	1643.5	1646.0	1647.2	1646.2	1644.3	1642.4	1640.5	1638.6	1637.2	1635.9
165°	1657.1	1659.0	1660.9	1661.8	1660.9	1659.0	1657.1	1655.2	1653.3	1652.5	1651.7
167.5°	1669.2	1671.6	1674.1	1675.3	1674.3	1672.4	1670.5	1668.6	1666.7	1665.9	1665.1
170°	1679.0	1681.4	1683.9	1685.1	1684.1	1682.2	1680.3	1678.4	1676.5	1676.0	1675.4
172.5°	1686.3	1688.7	1691.2	1692.4	1691.5	1689.6	1687.7	1685.8	1683.9	1683.3	1682.8
175°	1690.5	1693.2	1695.9	1697.3	1696.4	1694.5	1692.6	1690.7	1688.8	1688.2	1687.7
177.5°	1692.4	1694.8	1697.3	1698.5	1697.6	1695.7	1693.8	1691.9	1690.0	1689.7	1689.5
180°	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2050.6	2042.9	2038.3	2041.4	2032.2	2009.1	2009.1	2016.8	2007.6	1998.4	1984.5
5°	2107.4	2092.1	2082.8	2081.3	2059.8	2022.9	2015.3	2007.6	1987.6	1966.1	1943.1
7.5°	2162.7	2135.1	2119.7	2109.0	2078.2	2030.6	2010.7	1993.8	1961.5	1929.2	1900.1
10°	2208.8	2168.9	2150.4	2133.5	2093.6	2033.7	2001.4	1970.7	1929.2	1887.8	1850.9
12.5°	2245.7	2199.6	2176.5	2152.0	2102.8	2024.5	1984.5	1935.4	1893.9	1838.6	1801.8
15°	2307.1	2211.9	2190.4	2167.3	2116.6	2009.1	1960.0	1904.7	1847.8	1774.1	1734.2
17.5°	2356.3	2228.8	2227.2	2178.1	2112.0	2003.0	1927.7	1855.5	1794.1	1720.3	1657.4
20°	2385.4	2254.9	2230.3	2179.6	2096.7	1961.5	1883.2	1803.3	1737.2	1648.2	1585.2
22.5°	2410.0	2291.7	2227.2	2165.8	2064.4	1947.7	1832.5	1757.2	1666.6	1569.8	1509.9
25°	2419.2	2299.4	2231.8	2161.2	2041.4	1907.7	1777.2	1695.8	1594.4	1506.8	1425.4
27.5°	2420.8	2297.9	2214.9	2141.2	2009.1	1855.5	1721.9	1635.9	1523.7	1422.4	1340.9
30°	2405.4	2281.0	2205.7	2125.9	1978.4	1807.9	1654.3	1559.1	1439.3	1337.9	1253.4
32.5°	2359.3	2247.2	2185.8	2098.2	1938.5	1741.8	1589.8	1483.8	1357.8	1258.0	1176.6
35°	2282.5	2205.7	2138.1	2056.7	1886.2	1680.4	1525.3	1400.9	1273.4	1178.1	1101.3
37.5°	2187.3	2145.8	2082.8	2003.0	1826.3	1625.1	1453.1	1314.8	1187.3	1095.2	1019.9
40°	2058.3	2069.0	2007.6	1935.4	1755.7	1549.8	1359.4	1227.3	1107.5	1021.5	947.7
42.5°	1918.5	1963.0	1927.7	1858.6	1677.3	1466.9	1290.3	1144.3	1027.6	938.5	877.1
45°	1768.0	1844.8	1823.3	1772.6	1595.9	1379.3	1192.0	1050.6	947.7	861.7	807.9
47.5°	1603.6	1712.7	1712.7	1675.8	1505.3	1291.8	1107.5	963.1	861.7	800.3	748.0
50°	1436.2	1559.1	1579.0	1554.5	1403.9	1192.0	1004.6	874.0	786.4	726.5	688.1
52.5°	1261.1	1403.9	1440.8	1428.5	1296.4	1096.7	920.1	792.6	712.7	660.5	626.7
55°	1093.6	1259.5	1299.5	1304.1	1181.2	992.3	826.4	714.3	637.4	602.1	572.9
57.5°	935.4	1095.2	1139.7	1147.4	1064.5	897.0	738.8	640.5	571.4	542.2	519.2
60°	800.3	933.9	992.3	1009.2	937.0	786.4	657.4	562.2	510.0	482.3	460.8
62.5°	689.7	797.2	858.6	863.2	831.0	689.7	572.9	493.1	448.5	423.9	413.2
65°	582.2	678.9	715.8	734.2	708.1	597.5	494.6	428.6	393.2	371.7	361.0
67.5°	496.1	557.6	588.3	612.9	586.8	503.8	420.9	367.1	341.0	319.5	313.3
70°	407.0	457.7	480.8	505.4	482.3	419.3	359.4	310.3	287.2	270.3	262.7
72.5°	325.6	365.6	387.1	402.4	388.6	336.4	287.2	253.4	236.5	224.3	219.7
75°	258.1	285.7	298.0	308.7	302.6	262.7	231.9	204.3	188.9	178.2	175.1
77.5°	196.6	216.6	230.4	233.5	225.8	199.7	173.6	156.7	144.4	138.2	135.2
80°	139.8	152.1	159.7	164.4	156.7	145.9	127.5	115.2	104.4	96.8	95.2
82.5°	93.7	99.8	106.0	104.4	101.4	92.2	81.4	75.3	70.7	64.5	64.5
85°	53.8	55.3	58.4	59.9	58.4	52.2	46.1	43.0	39.9	35.3	35.3
87.5°	23.0	24.6	24.6	26.1	23.0	23.0	20.0	16.9	16.9	15.4	13.8
90°	18.0	15.8	14.7	13.2	10.2	7.2	4.2	1.2	4.2	7.2	10.2
92.5°	26.9	26.1	25.7	26.2	27.3	28.4	29.5	30.6	29.5	28.4	27.3
95°	42.0	40.1	39.2	43.7	52.6	61.6	70.5	79.5	70.5	61.6	52.6
97.5°	49.3	45.0	42.8	54.0	76.3	98.6	120.9	143.2	120.9	98.6	76.3
100°	55.9	51.2	48.9	67.5	104.8	142.1	179.3	216.6	179.3	142.1	104.8
102.5°	220.7	270.2	294.9	295.2	295.7	296.3	296.8	297.4	296.8	296.3	295.7
105°	297.3	371.6	408.7	404.6	396.5	388.3	380.2	372.0	380.2	388.3	396.5
107.5°	352.0	443.7	489.5	486.1	479.3	472.5	465.7	458.9	465.7	472.5	479.3
110°	449.9	528.5	567.8	564.9	559.2	553.5	547.8	542.1	547.8	553.5	559.2



TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	635.6	640.2	642.5	640.0	635.1	630.2	625.3	620.4	625.3	630.2	635.1
115°	734.7	727.9	724.5	722.2	717.5	712.9	708.2	703.6	708.2	712.9	717.5
117.5°	807.2	802.6	800.3	797.6	792.2	786.7	781.3	775.9	781.3	786.7	792.2
120°	882.3	877.4	875.0	873.0	868.9	864.8	860.7	856.6	860.7	864.8	868.9
122.5°	952.9	947.4	944.7	942.5	938.2	933.8	929.5	925.1	929.5	933.8	938.2
125°	1018.6	1013.4	1010.8	1009.0	1005.5	1002.0	998.4	994.9	998.4	1002.0	1005.5
127.5°	1081.8	1077.7	1075.7	1073.8	1070.0	1066.1	1062.3	1058.5	1062.3	1066.1	1070.0
130°	1142.6	1139.6	1138.1	1135.9	1131.6	1127.2	1122.9	1118.5	1122.9	1127.2	1131.6
132.5°	1200.1	1197.1	1195.6	1193.8	1190.3	1186.8	1183.2	1179.7	1183.2	1186.8	1190.3
135°	1254.4	1251.9	1250.7	1248.5	1244.2	1239.8	1235.5	1231.1	1235.5	1239.8	1244.2
137.5°	1303.7	1301.0	1299.6	1298.0	1294.7	1291.4	1288.2	1284.9	1288.2	1291.4	1294.7
140°	1351.8	1348.8	1347.3	1346.2	1344.0	1341.9	1339.7	1337.5	1339.7	1341.9	1344.0
142.5°	1395.5	1392.0	1390.2	1389.2	1387.3	1385.4	1383.5	1381.6	1383.5	1385.4	1387.3
145°	1433.8	1429.2	1426.9	1427.0	1427.3	1427.6	1427.8	1428.1	1427.8	1427.6	1427.3
147.5°	1471.7	1467.1	1464.8	1465.2	1466.0	1466.9	1467.7	1468.5	1467.7	1466.9	1466.0
150°	1505.6	1501.3	1499.1	1500.0	1501.9	1503.8	1505.7	1507.6	1505.7	1503.8	1501.9
152.5°	1537.0	1532.9	1530.9	1532.0	1534.2	1536.3	1538.5	1540.7	1538.5	1536.3	1534.2
155°	1566.4	1563.1	1561.5	1562.7	1565.2	1567.6	1570.1	1572.5	1570.1	1567.6	1565.2
157.5°	1592.1	1589.6	1588.4	1589.5	1591.7	1593.8	1596.0	1598.2	1596.0	1593.8	1591.7
160°	1615.3	1613.7	1612.9	1613.7	1615.3	1617.0	1618.6	1620.2	1618.6	1617.0	1615.3
162.5°	1634.5	1633.2	1632.5	1633.3	1634.9	1636.6	1638.2	1639.8	1638.2	1636.6	1634.9
165°	1650.8	1650.0	1649.6	1650.4	1652.0	1653.7	1655.3	1656.9	1655.3	1653.7	1652.0
167.5°	1664.3	1663.5	1663.1	1663.9	1665.5	1667.2	1668.8	1670.4	1668.8	1667.2	1665.5
170°	1674.9	1674.4	1674.1	1674.9	1676.5	1678.2	1679.8	1681.4	1679.8	1678.2	1676.5
172.5°	1682.2	1681.7	1681.4	1682.2	1683.9	1685.5	1687.2	1688.8	1687.2	1685.5	1683.9
175°	1687.1	1686.6	1686.3	1687.3	1689.2	1691.1	1693.0	1694.9	1693.0	1691.1	1689.2
177.5°	1689.2	1688.9	1688.8	1689.7	1691.6	1693.5	1695.4	1697.3	1695.4	1693.5	1691.6
180°	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1976.9	1984.5	1983.0	1967.6	1950.7	1936.9	1910.8	1913.9	1904.7	1906.2	1915.4
5°	1927.7	1927.7	1921.6	1900.1	1872.4	1857.1	1827.9	1820.2	1801.8	1800.2	1798.7
7.5°	1875.5	1867.8	1860.1	1829.4	1795.6	1771.0	1731.1	1721.9	1703.4	1691.2	1685.0
10°	1814.0	1803.3	1787.9	1752.6	1711.1	1680.4	1638.9	1626.6	1591.3	1576.0	1566.7
12.5°	1746.5	1740.3	1715.7	1686.6	1619.0	1585.2	1525.3	1537.6	1502.2	1471.5	1466.9
15°	1678.9	1655.8	1642.0	1594.4	1513.0	1497.6	1450.0	1425.4	1393.2	1368.6	1368.6
17.5°	1612.8	1577.5	1546.8	1496.1	1436.2	1393.2	1357.8	1345.6	1305.6	1281.0	1276.4
20°	1525.3	1485.3	1477.7	1405.5	1364.0	1316.4	1282.6	1251.9	1222.7	1211.9	1204.2
22.5°	1442.3	1396.2	1384.0	1322.5	1281.0	1233.4	1199.6	1178.1	1156.6	1148.9	1135.1
25°	1353.2	1325.6	1307.2	1241.1	1195.0	1150.5	1127.4	1112.1	1092.1	1090.6	1081.4
27.5°	1267.2	1241.1	1222.7	1159.7	1125.9	1084.4	1066.0	1049.1	1038.4	1033.7	1029.1
30°	1193.5	1164.3	1142.8	1096.7	1055.2	1021.5	1006.1	995.3	989.2	981.5	980.0
32.5°	1112.1	1095.2	1066.0	1030.7	998.4	966.2	956.9	949.3	940.0	937.0	935.4
35°	1043.0	1019.9	1001.5	961.5	947.7	920.1	909.3	903.2	890.9	887.8	884.7
37.5°	975.4	953.9	933.9	909.3	883.2	867.9	861.7	852.5	846.3	847.9	844.8
40°	907.8	890.9	875.5	849.4	834.1	826.4	814.1	804.9	801.8	803.3	801.8
42.5°	841.7	826.4	817.2	797.2	781.8	774.2	766.5	757.3	761.9	761.9	766.5
45°	781.8	768.0	761.9	746.5	737.3	725.0	717.3	715.8	721.9	720.4	720.4
47.5°	720.4	715.8	708.1	694.3	682.0	674.3	672.8	672.8	678.9	682.0	680.5
50°	672.8	663.6	654.3	643.6	634.4	631.3	626.7	629.8	635.9	635.9	639.0
52.5°	612.9	606.7	603.7	594.4	588.3	588.3	588.3	589.8	594.4	599.0	597.5
55°	560.6	556.0	553.0	548.4	540.7	542.2	540.7	543.8	548.4	553.0	556.0
57.5°	505.4	503.8	500.7	493.1	493.1	491.5	496.1	497.7	505.4	508.4	513.0
60°	456.2	451.6	451.6	445.4	445.4	445.4	450.1	454.7	460.8	462.3	465.4
62.5°	404.0	404.0	402.4	397.8	397.8	402.4	404.0	410.1	413.2	413.2	417.8
65°	354.8	353.3	351.7	353.3	354.8	354.8	359.4	362.5	365.6	367.1	368.6
67.5°	305.7	304.1	307.2	305.7	308.7	314.9	313.3	318.0	322.6	322.6	324.1
70°	259.6	262.7	261.1	264.2	262.7	265.7	270.3	271.9	271.9	273.4	278.0
72.5°	216.6	216.6	216.6	215.0	216.6	219.7	222.7	224.3	227.3	228.9	233.5
75°	175.1	175.1	172.0	175.1	175.1	178.2	181.3	181.3	181.3	184.3	188.9
77.5°	132.1	133.6	132.1	135.2	135.2	136.7	139.8	138.2	141.3	142.9	144.4
80°	96.8	95.2	95.2	95.2	96.8	96.8	99.8	101.4	101.4	106.0	102.9
82.5°	61.4	63.0	61.4	63.0	63.0	64.5	63.0	64.5	66.0	69.1	67.6
85°	35.3	33.8	33.8	35.3	33.8	33.8	35.3	33.8	35.3	33.8	35.3
87.5°	13.8	12.3	12.3	12.3	12.3	10.8	10.8	9.2	9.2	9.2	7.7
90°	13.2	14.7	15.8	18.0	20.1	22.3	24.5	25.9	27.2	28.6	29.9
92.5°	26.2	25.7	26.1	26.9	27.8	28.6	29.4	29.9	30.5	31.0	31.5
95°	43.7	39.2	40.1	42.0	43.9	45.8	47.7	49.1	50.4	51.8	53.1
97.5°	54.0	42.8	45.0	49.3	53.7	58.0	62.4	63.2	64.0	64.9	65.7
100°	67.5	48.9	51.2	55.9	60.5	65.2	69.8	72.0	74.1	76.3	78.4
102.5°	295.2	294.9	270.2	220.7	171.2	121.7	72.2	75.2	78.2	81.2	84.2
105°	404.6	408.7	371.6	297.3	223.1	148.8	74.6	77.6	80.6	83.6	86.6
107.5°	486.1	489.5	443.7	352.0	260.4	168.7	77.1	80.1	83.1	86.1	89.1
110°	564.9	567.8	528.5	449.9	371.4	292.8	214.2	187.0	159.8	132.6	105.4

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	640.0	642.5	640.2	635.6	630.9	626.3	621.7	504.5	387.3	270.0	152.8
115°	722.2	724.5	727.9	734.7	741.4	748.2	755.0	629.1	503.2	377.3	251.4
117.5°	797.6	800.3	802.6	807.2	811.9	816.5	821.1	782.2	743.3	704.4	665.5
120°	873.0	875.0	877.4	882.3	887.2	892.1	897.0	900.3	903.5	906.8	910.1
122.5°	942.5	944.7	947.4	952.9	958.3	963.8	969.2	970.8	972.4	974.1	975.7
125°	1009.0	1010.8	1013.4	1018.6	1023.7	1028.9	1034.1	1036.0	1037.9	1039.8	1041.7
127.5°	1073.8	1075.7	1077.7	1081.8	1085.9	1089.9	1094.0	1096.7	1099.5	1102.2	1104.9
130°	1135.9	1138.1	1139.6	1142.6	1145.5	1148.5	1151.5	1154.5	1157.5	1160.5	1163.5
132.5°	1193.8	1195.6	1197.1	1200.1	1203.1	1206.1	1209.1	1211.5	1214.0	1216.4	1218.9
135°	1248.5	1250.7	1251.9	1254.4	1256.8	1259.3	1261.7	1264.4	1267.1	1269.8	1272.5
137.5°	1298.0	1299.6	1301.0	1303.7	1306.4	1309.1	1311.8	1314.5	1317.3	1320.0	1322.7
140°	1346.2	1347.3	1348.8	1351.8	1354.8	1357.8	1360.8	1363.2	1365.7	1368.1	1370.6
142.5°	1389.2	1390.2	1392.0	1395.5	1399.0	1402.6	1406.1	1408.3	1410.5	1412.6	1414.8
145°	1427.0	1426.9	1429.2	1433.8	1438.5	1443.1	1447.7	1449.6	1451.5	1453.4	1455.3
147.5°	1465.2	1464.8	1467.1	1471.7	1476.4	1481.0	1485.6	1487.0	1488.3	1489.7	1491.0
150°	1500.0	1499.1	1501.3	1505.6	1510.0	1514.3	1518.7	1520.3	1521.9	1523.6	1525.2
152.5°	1532.0	1530.9	1532.9	1537.0	1541.1	1545.2	1549.3	1550.9	1552.5	1554.2	1555.8
155°	1562.7	1561.5	1563.1	1566.4	1569.7	1572.9	1576.2	1577.8	1579.4	1581.1	1582.7
157.5°	1589.5	1588.4	1589.6	1592.1	1594.5	1597.0	1599.4	1601.3	1603.2	1605.1	1607.0
160°	1613.7	1612.9	1613.7	1615.3	1617.0	1618.6	1620.2	1621.8	1623.5	1625.1	1626.8
162.5°	1633.3	1632.5	1633.2	1634.5	1635.9	1637.2	1638.6	1640.5	1642.4	1644.3	1646.2
165°	1650.4	1649.6	1650.0	1650.8	1651.7	1652.5	1653.3	1655.2	1657.1	1659.0	1660.9
167.5°	1663.9	1663.1	1663.5	1664.3	1665.1	1665.9	1666.7	1668.6	1670.5	1672.4	1674.3
170°	1674.9	1674.1	1674.4	1674.9	1675.4	1676.0	1676.5	1678.4	1680.3	1682.2	1684.1
172.5°	1682.2	1681.4	1681.7	1682.2	1682.8	1683.3	1683.9	1685.8	1687.7	1689.6	1691.5
175°	1687.3	1686.3	1686.6	1687.1	1687.7	1688.2	1688.8	1690.7	1692.6	1694.5	1696.4
177.5°	1689.7	1688.8	1688.9	1689.2	1689.5	1689.7	1690.0	1691.9	1693.8	1695.7	1697.6
180°	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1904.7	1909.3	1898.5	1895.5	1898.5	1887.8	1890.8	1893.9	1893.9	1898.5	1901.6
5°	1794.1	1787.9	1777.2	1774.1	1771.0	1775.6	1772.6	1777.2	1778.7	1789.5	1791.0
7.5°	1685.0	1675.8	1666.6	1657.4	1654.3	1646.6	1654.3	1654.3	1665.0	1662.0	1669.7
10°	1556.0	1554.5	1542.2	1537.6	1531.4	1519.1	1536.0	1531.4	1539.1	1552.9	1556.0
12.5°	1460.8	1443.9	1451.5	1430.0	1437.7	1425.4	1427.0	1427.0	1439.3	1440.8	1437.7
15°	1370.1	1356.3	1336.3	1327.1	1322.5	1316.4	1336.3	1337.9	1328.7	1350.2	1342.5
17.5°	1278.0	1278.0	1259.5	1254.9	1242.6	1248.8	1245.7	1247.2	1244.2	1259.5	1267.2
20°	1198.1	1190.4	1184.3	1185.8	1170.4	1167.4	1164.3	1167.4	1178.1	1188.9	1192.0
22.5°	1133.6	1129.0	1113.6	1116.7	1104.4	1109.0	1105.9	1113.6	1115.2	1115.2	1125.9
25°	1072.1	1066.0	1067.5	1061.4	1056.8	1056.8	1052.2	1056.8	1062.9	1066.0	1067.5
27.5°	1026.1	1021.5	1013.8	1009.2	1012.2	1004.6	1010.7	1015.3	1015.3	1012.2	1015.3
30°	970.8	973.8	973.8	958.5	964.6	961.5	966.2	969.2	969.2	970.8	967.7
32.5°	933.9	924.7	923.1	921.6	921.6	915.5	915.5	920.1	921.6	923.1	927.8
35°	884.7	884.7	877.1	881.7	875.5	877.1	875.5	877.1	880.1	875.5	880.1
37.5°	840.2	841.7	838.7	841.7	843.3	840.2	837.1	843.3	840.2	840.2	837.1
40°	801.8	800.3	801.8	801.8	801.8	803.3	800.3	800.3	800.3	797.2	794.1
42.5°	769.5	760.3	763.4	764.9	760.3	760.3	761.9	760.3	764.9	755.7	755.7
45°	723.5	720.4	721.9	721.9	725.0	720.4	723.5	725.0	720.4	718.9	715.8
47.5°	682.0	685.1	682.0	685.1	685.1	688.1	682.0	683.5	685.1	678.9	674.3
50°	640.5	640.5	645.1	643.6	645.1	642.1	642.1	640.5	642.1	639.0	634.4
52.5°	602.1	597.5	605.2	603.7	602.1	600.6	599.0	600.6	597.5	594.4	594.4
55°	554.5	554.5	559.1	560.6	560.6	557.6	554.5	556.0	554.5	553.0	551.4
57.5°	516.1	510.0	513.0	514.6	514.6	510.0	513.0	510.0	510.0	511.5	506.9
60°	467.0	467.0	463.9	468.5	468.5	465.4	465.4	467.0	463.9	462.3	460.8
62.5°	414.7	416.3	420.9	422.4	423.9	420.9	417.8	419.3	419.3	414.7	416.3
65°	370.2	373.3	379.4	377.9	374.8	376.3	373.3	374.8	370.2	371.7	367.1
67.5°	327.2	325.6	327.2	327.2	330.2	328.7	325.6	325.6	324.1	328.7	324.1
70°	281.1	281.1	281.1	281.1	282.6	284.2	281.1	278.0	279.6	276.5	274.9
72.5°	233.5	235.0	233.5	236.5	231.9	235.0	235.0	233.5	231.9	231.9	231.9
75°	188.9	192.0	187.4	188.9	187.4	190.5	188.9	188.9	185.9	184.3	185.9
77.5°	144.4	145.9	142.9	144.4	142.9	144.4	144.4	142.9	142.9	142.9	142.9
80°	102.9	104.4	102.9	101.4	99.8	102.9	99.8	101.4	102.9	101.4	104.4
82.5°	66.0	66.0	64.5	66.0	63.0	63.0	64.5	64.5	63.0	66.0	63.0
85°	32.3	32.3	35.3	32.3	30.7	30.7	30.7	32.3	30.7	33.8	32.3
87.5°	7.7	6.1	7.7	7.7	6.1	6.1	7.7	6.1	7.7	9.2	6.1
90°	30.6	30.9	31.4	31.9	32.5	33.0	32.5	31.9	31.4	30.9	30.6
92.5°	31.8	31.9	32.2	32.5	32.7	33.0	32.7	32.5	32.2	31.9	31.8
95°	53.8	53.7	53.4	53.1	52.9	52.6	52.9	53.1	53.4	53.7	53.8
97.5°	66.1	66.2	66.5	66.8	67.0	67.3	67.0	66.8	66.5	66.2	66.1
100°	79.5	79.8	80.3	80.9	81.4	82.0	81.4	80.9	80.3	79.8	79.5
102.5°	85.7	86.1	86.9	87.7	88.5	89.3	88.5	87.7	86.9	86.1	85.7
105°	88.1	88.6	89.7	90.8	91.9	93.0	91.9	90.8	89.7	88.6	88.1
107.5°	90.6	91.1	92.2	93.3	94.4	95.5	94.4	93.3	92.2	91.1	90.6
110°	91.8	92.3	93.4	94.5	95.6	96.7	95.6	94.5	93.4	92.3	91.8

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	94.2	94.6	95.4	96.3	97.1	97.9	97.1	96.3	95.4	94.6	94.2
115°	188.5	178.7	159.1	139.5	119.9	100.3	119.9	139.5	159.1	178.7	188.5
117.5°	646.1	610.5	539.2	468.0	396.7	325.5	396.7	468.0	539.2	610.5	646.1
120°	911.7	893.3	856.6	819.9	783.2	746.5	783.2	819.9	856.6	893.3	911.7
122.5°	976.5	976.6	976.9	977.2	977.5	977.8	977.5	977.2	976.9	976.6	976.5
125°	1042.6	1043.0	1043.8	1044.7	1045.5	1046.3	1045.5	1044.7	1043.8	1043.0	1042.6
127.5°	1106.3	1106.4	1106.7	1107.0	1107.2	1107.5	1107.2	1107.0	1106.7	1106.4	1106.3
130°	1165.0	1164.9	1164.6	1164.3	1164.1	1163.8	1164.1	1164.3	1164.6	1164.9	1165.0
132.5°	1220.1	1220.0	1219.7	1219.4	1219.1	1218.8	1219.1	1219.4	1219.7	1220.0	1220.1
135°	1273.9	1273.6	1273.1	1272.6	1272.0	1271.5	1272.0	1272.6	1273.1	1273.6	1273.9
137.5°	1324.1	1323.7	1322.9	1322.0	1321.2	1320.4	1321.2	1322.0	1322.9	1323.7	1324.1
140°	1371.8	1371.1	1369.8	1368.4	1367.1	1365.7	1367.1	1368.4	1369.8	1371.1	1371.8
142.5°	1415.9	1415.2	1413.8	1412.5	1411.1	1409.7	1411.1	1412.5	1413.8	1415.2	1415.9
145°	1456.2	1455.5	1454.2	1452.8	1451.5	1450.1	1451.5	1452.8	1454.2	1455.5	1456.2
147.5°	1491.7	1491.2	1490.1	1489.0	1487.9	1486.8	1487.9	1489.0	1490.1	1491.2	1491.7
150°	1526.0	1525.3	1524.0	1522.6	1521.3	1519.9	1521.3	1522.6	1524.0	1525.3	1526.0
152.5°	1556.6	1555.6	1553.7	1551.8	1549.9	1548.0	1549.9	1551.8	1553.7	1555.6	1556.6
155°	1583.5	1582.4	1580.2	1578.1	1575.9	1573.7	1575.9	1578.1	1580.2	1582.4	1583.5
157.5°	1608.0	1606.9	1604.7	1602.6	1600.4	1598.2	1600.4	1602.6	1604.7	1606.9	1608.0
160°	1627.6	1626.6	1624.7	1622.8	1620.9	1619.0	1620.9	1622.8	1624.7	1626.6	1627.6
162.5°	1647.2	1646.0	1643.5	1641.0	1638.6	1636.1	1638.6	1641.0	1643.5	1646.0	1647.2
165°	1661.8	1660.9	1659.0	1657.1	1655.2	1653.3	1655.2	1657.1	1659.0	1660.9	1661.8
167.5°	1675.3	1674.1	1671.6	1669.2	1666.7	1664.3	1666.7	1669.2	1671.6	1674.1	1675.3
170°	1685.1	1683.9	1681.4	1679.0	1676.5	1674.1	1676.5	1679.0	1681.4	1683.9	1685.1
172.5°	1692.4	1691.2	1688.7	1686.3	1683.8	1681.4	1683.8	1686.3	1688.7	1691.2	1692.4
175°	1697.3	1695.9	1693.2	1690.5	1687.8	1685.1	1687.8	1690.5	1693.2	1695.9	1697.3
177.5°	1698.5	1697.3	1694.8	1692.4	1689.9	1687.5	1689.9	1692.4	1694.8	1697.3	1698.5
180°	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1897.0	1909.3	1904.7	1887.8	1907.7	1907.7	1921.6	1921.6	1938.5	1944.6	1953.8
5°	1789.5	1798.7	1806.4	1798.7	1812.5	1834.0	1846.3	1857.1	1880.1	1889.3	1903.1
7.5°	1674.3	1691.2	1698.8	1698.8	1721.9	1746.5	1771.0	1786.4	1818.6	1830.9	1844.8
10°	1562.1	1582.1	1597.5	1595.9	1634.3	1649.7	1680.4	1715.7	1748.0	1766.4	1786.4
12.5°	1443.9	1454.6	1476.1	1506.8	1516.1	1543.7	1579.0	1623.6	1681.9	1698.8	1728.0
15°	1345.6	1374.7	1391.6	1405.5	1427.0	1453.1	1491.5	1534.5	1592.9	1629.7	1660.4
17.5°	1262.6	1301.0	1311.8	1308.7	1336.3	1376.3	1420.8	1453.1	1505.3	1549.8	1579.0
20°	1195.0	1210.4	1228.8	1236.5	1258.0	1301.0	1344.0	1380.9	1423.9	1459.2	1493.0
22.5°	1127.4	1139.7	1155.1	1168.9	1185.8	1210.4	1251.9	1297.9	1339.4	1373.2	1411.6
25°	1072.1	1079.8	1093.6	1104.4	1122.8	1139.7	1168.9	1219.6	1268.8	1288.7	1322.5
27.5°	1018.4	1024.5	1033.7	1046.0	1055.2	1072.1	1098.3	1139.7	1190.4	1210.4	1256.5
30°	970.8	975.4	984.6	990.7	995.3	1015.3	1035.3	1067.5	1105.9	1133.6	1167.4
32.5°	926.2	930.8	940.0	941.6	947.7	958.5	976.9	1006.1	1039.9	1062.9	1092.1
35°	877.1	880.1	889.4	892.4	897.0	906.3	920.1	941.6	972.3	989.2	1015.3
37.5°	838.7	837.1	843.3	847.9	854.0	858.6	863.2	884.7	907.8	923.1	943.1
40°	797.2	794.1	795.7	801.8	804.9	811.0	811.0	832.5	847.9	860.2	875.5
42.5°	755.7	754.2	751.1	754.2	757.3	758.8	760.3	775.7	791.1	801.8	818.7
45°	714.3	712.7	709.6	711.2	711.2	714.3	718.9	725.0	735.8	745.0	754.2
47.5°	675.8	672.8	668.2	666.6	669.7	669.7	669.7	675.8	686.6	689.7	698.9
50°	635.9	631.3	625.2	622.1	622.1	620.6	623.6	625.2	634.4	637.4	645.1
52.5°	592.9	589.8	583.7	577.5	579.1	576.0	577.5	579.1	582.2	586.8	591.4
55°	549.9	543.8	539.1	537.6	533.0	533.0	528.4	534.5	533.0	534.5	540.7
57.5°	508.4	502.3	494.6	491.5	486.9	485.4	482.3	480.8	482.3	486.9	491.5
60°	459.3	456.2	451.6	447.0	443.9	439.3	436.2	436.2	434.7	434.7	436.2
62.5°	411.7	410.1	404.0	402.4	399.4	396.3	391.7	388.6	388.6	391.7	393.2
65°	365.6	364.0	359.4	357.9	350.2	347.1	345.6	344.1	341.0	341.0	341.0
67.5°	322.6	318.0	318.0	310.3	304.1	301.1	298.0	296.5	296.5	296.5	298.0
70°	274.9	274.9	270.3	265.7	259.6	261.1	256.5	251.9	251.9	248.8	250.4
72.5°	228.9	227.3	222.7	221.2	216.6	212.0	208.9	212.0	207.4	205.8	207.4
75°	184.3	182.8	179.7	176.6	178.2	173.6	169.0	167.4	167.4	164.4	164.4
77.5°	141.3	144.4	138.2	136.7	133.6	130.6	129.0	127.5	127.5	127.5	130.6
80°	98.3	99.8	99.8	96.8	98.3	93.7	93.7	93.7	89.1	90.6	92.2
82.5°	63.0	63.0	61.4	63.0	61.4	61.4	59.9	59.9	58.4	58.4	59.9
85°	35.3	33.8	32.3	35.3	33.8	33.8	32.3	32.3	32.3	32.3	32.3
87.5°	7.7	9.2	9.2	9.2	9.2	10.8	10.8	10.8	12.3	12.3	12.3
90°	29.9	28.6	27.2	25.9	24.5	22.3	20.1	18.0	15.8	14.7	13.2
92.5°	31.5	31.0	30.5	29.9	29.4	28.6	27.8	26.9	26.1	25.7	26.2
95°	53.1	51.8	50.4	49.1	47.7	45.8	43.9	42.0	40.1	39.2	43.7
97.5°	65.7	64.9	64.0	63.2	62.4	58.0	53.7	49.3	45.0	42.8	54.0
100°	78.4	76.3	74.1	72.0	69.8	65.2	60.5	55.9	51.2	48.9	67.5
102.5°	84.2	81.2	78.2	75.2	72.2	121.7	171.2	220.7	270.2	294.9	295.2
105°	86.6	83.6	80.6	77.6	74.6	148.8	223.1	297.3	371.6	408.7	404.6
107.5°	89.1	86.1	83.1	80.1	77.1	168.7	260.4	352.0	443.7	489.5	486.1
110°	105.4	132.6	159.8	187.0	214.2	292.8	371.4	449.9	528.5	567.8	564.9

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	152.8	270.0	387.3	504.5	621.7	626.3	630.9	635.6	640.2	642.5	640.0
115°	251.4	377.3	503.2	629.1	755.0	748.2	741.4	734.7	727.9	724.5	722.2
117.5°	665.5	704.4	743.3	782.2	821.1	816.5	811.9	807.2	802.6	800.3	797.6
120°	910.1	906.8	903.5	900.3	897.0	892.1	887.2	882.3	877.4	875.0	873.0
122.5°	975.7	974.1	972.4	970.8	969.2	963.8	958.3	952.9	947.4	944.7	942.5
125°	1041.7	1039.8	1037.9	1036.0	1034.1	1028.9	1023.7	1018.6	1013.4	1010.8	1009.0
127.5°	1104.9	1102.2	1099.5	1096.7	1094.0	1089.9	1085.9	1081.8	1077.7	1075.7	1073.8
130°	1163.5	1160.5	1157.5	1154.5	1151.5	1148.5	1145.5	1142.6	1139.6	1138.1	1135.9
132.5°	1218.9	1216.4	1214.0	1211.5	1209.1	1206.1	1203.1	1200.1	1197.1	1195.6	1193.8
135°	1272.5	1269.8	1267.1	1264.4	1261.7	1259.3	1256.8	1254.4	1251.9	1250.7	1248.5
137.5°	1322.7	1320.0	1317.3	1314.5	1311.8	1309.1	1306.4	1303.7	1301.0	1299.6	1298.0
140°	1370.6	1368.1	1365.7	1363.2	1360.8	1357.8	1354.8	1351.8	1348.8	1347.3	1346.2
142.5°	1414.8	1412.6	1410.5	1408.3	1406.1	1402.6	1399.0	1395.5	1392.0	1390.2	1389.2
145°	1455.3	1453.4	1451.5	1449.6	1447.7	1443.1	1438.5	1433.8	1429.2	1426.9	1427.0
147.5°	1491.0	1489.7	1488.3	1487.0	1485.6	1481.0	1476.4	1471.7	1467.1	1464.8	1465.2
150°	1525.2	1523.6	1521.9	1520.3	1518.7	1514.3	1510.0	1505.6	1501.3	1499.1	1500.0
152.5°	1555.8	1554.2	1552.5	1550.9	1549.3	1545.2	1541.1	1537.0	1532.9	1530.9	1532.0
155°	1582.7	1581.1	1579.4	1577.8	1576.2	1572.9	1569.7	1566.4	1563.1	1561.5	1562.7
157.5°	1607.0	1605.1	1603.2	1601.3	1599.4	1597.0	1594.5	1592.1	1589.6	1588.4	1589.5
160°	1626.8	1625.1	1623.5	1621.8	1620.2	1618.6	1617.0	1615.3	1613.7	1612.9	1613.7
162.5°	1646.2	1644.3	1642.4	1640.5	1638.6	1637.2	1635.9	1634.5	1633.2	1632.5	1633.3
165°	1660.9	1659.0	1657.1	1655.2	1653.3	1652.5	1651.7	1650.8	1650.0	1649.6	1650.4
167.5°	1674.3	1672.4	1670.5	1668.6	1666.7	1665.9	1665.1	1664.3	1663.5	1663.1	1663.9
170°	1684.1	1682.2	1680.3	1678.4	1676.5	1676.0	1675.4	1674.9	1674.4	1674.1	1674.9
172.5°	1691.5	1689.6	1687.7	1685.8	1683.9	1683.3	1682.8	1682.2	1681.7	1681.4	1682.2
175°	1696.4	1694.5	1692.6	1690.7	1688.8	1688.2	1687.7	1687.1	1686.6	1686.3	1687.3
177.5°	1697.6	1695.7	1693.8	1691.9	1690.0	1689.7	1689.5	1689.2	1688.9	1688.8	1689.7
180°	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2	1691.2

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1998.4	1998.4	1998.4	1998.4
2.5°	1961.5	1961.5	1984.5	2009.1
5°	1918.5	1929.2	1966.1	1999.9
7.5°	1877.0	1895.5	1941.5	1984.5
10°	1826.3	1850.9	1907.7	1958.4
12.5°	1777.2	1800.2	1866.3	1923.1
15°	1708.1	1737.2	1807.9	1878.6
17.5°	1638.9	1668.1	1754.1	1837.1
20°	1557.5	1595.9	1692.7	1803.3
22.5°	1482.3	1529.9	1637.4	1726.5
25°	1399.3	1473.0	1572.9	1688.1
27.5°	1325.6	1399.3	1500.7	1617.4
30°	1242.6	1317.9	1422.4	1529.9
32.5°	1162.8	1231.9	1333.3	1465.4
35°	1079.8	1145.9	1244.2	1377.8
37.5°	1004.6	1069.1	1176.6	1299.5
40°	930.8	998.4	1090.6	1213.5
42.5°	861.7	921.6	1004.6	1127.4
45°	798.7	841.7	918.5	1033.7
47.5°	732.7	771.1	841.7	956.9
50°	671.2	703.5	764.9	872.5
52.5°	611.3	639.0	695.8	781.8
55°	557.6	583.7	625.2	709.6
57.5°	502.3	522.2	562.2	629.8
60°	448.5	467.0	499.2	554.5
62.5°	394.8	410.1	440.8	485.4
65°	347.1	359.4	382.5	420.9
67.5°	301.1	308.7	327.2	357.9
70°	256.5	262.7	278.0	302.6
72.5°	208.9	215.0	231.9	248.8
75°	169.0	170.5	182.8	196.6
77.5°	132.1	130.6	139.8	150.5
80°	90.6	95.2	102.9	107.5
82.5°	61.4	63.0	66.0	69.1
85°	33.8	35.3	35.3	39.9
87.5°	13.8	15.4	15.4	16.9
90°	10.2	7.2	4.2	1.2
92.5°	27.3	28.4	29.5	30.6
95°	52.6	61.6	70.5	79.5
97.5°	76.3	98.6	120.9	143.2
100°	104.8	142.1	179.3	216.6
102.5°	295.7	296.3	296.8	297.4
105°	396.5	388.3	380.2	372.0
107.5°	479.3	472.5	465.7	458.9
110°	559.2	553.5	547.8	542.1

TEST NUMBER: P1029160

CATALOG NUMBER: S122DIW-B1005D1240UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	635.1	630.2	625.3	620.4
115°	717.5	712.9	708.2	703.6
117.5°	792.2	786.7	781.3	775.9
120°	868.9	864.8	860.7	856.6
122.5°	938.2	933.8	929.5	925.1
125°	1005.5	1002.0	998.4	994.9
127.5°	1070.0	1066.1	1062.3	1058.5
130°	1131.6	1127.2	1122.9	1118.5
132.5°	1190.3	1186.8	1183.2	1179.7
135°	1244.2	1239.8	1235.5	1231.1
137.5°	1294.7	1291.4	1288.2	1284.9
140°	1344.0	1341.9	1339.7	1337.5
142.5°	1387.3	1385.4	1383.5	1381.6
145°	1427.3	1427.6	1427.8	1428.1
147.5°	1466.0	1466.9	1467.7	1468.5
150°	1501.9	1503.8	1505.7	1507.6
152.5°	1534.2	1536.3	1538.5	1540.7
155°	1565.2	1567.6	1570.1	1572.5
157.5°	1591.7	1593.8	1596.0	1598.2
160°	1615.3	1617.0	1618.6	1620.2
162.5°	1634.9	1636.6	1638.2	1639.8
165°	1652.0	1653.7	1655.3	1656.9
167.5°	1665.5	1667.2	1668.8	1670.4
170°	1676.5	1678.2	1679.8	1681.4
172.5°	1683.9	1685.5	1687.2	1688.8
175°	1689.2	1691.1	1693.0	1694.9
177.5°	1691.6	1693.5	1695.4	1697.3
180°	1691.2	1691.2	1691.2	1691.2

(END OF REPORT)