

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: P1029190

Luminaire Tested: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029190
REPORT IS A COMBINATION OF REPORTS P985128 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B1005D1440UB2750-4F0-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

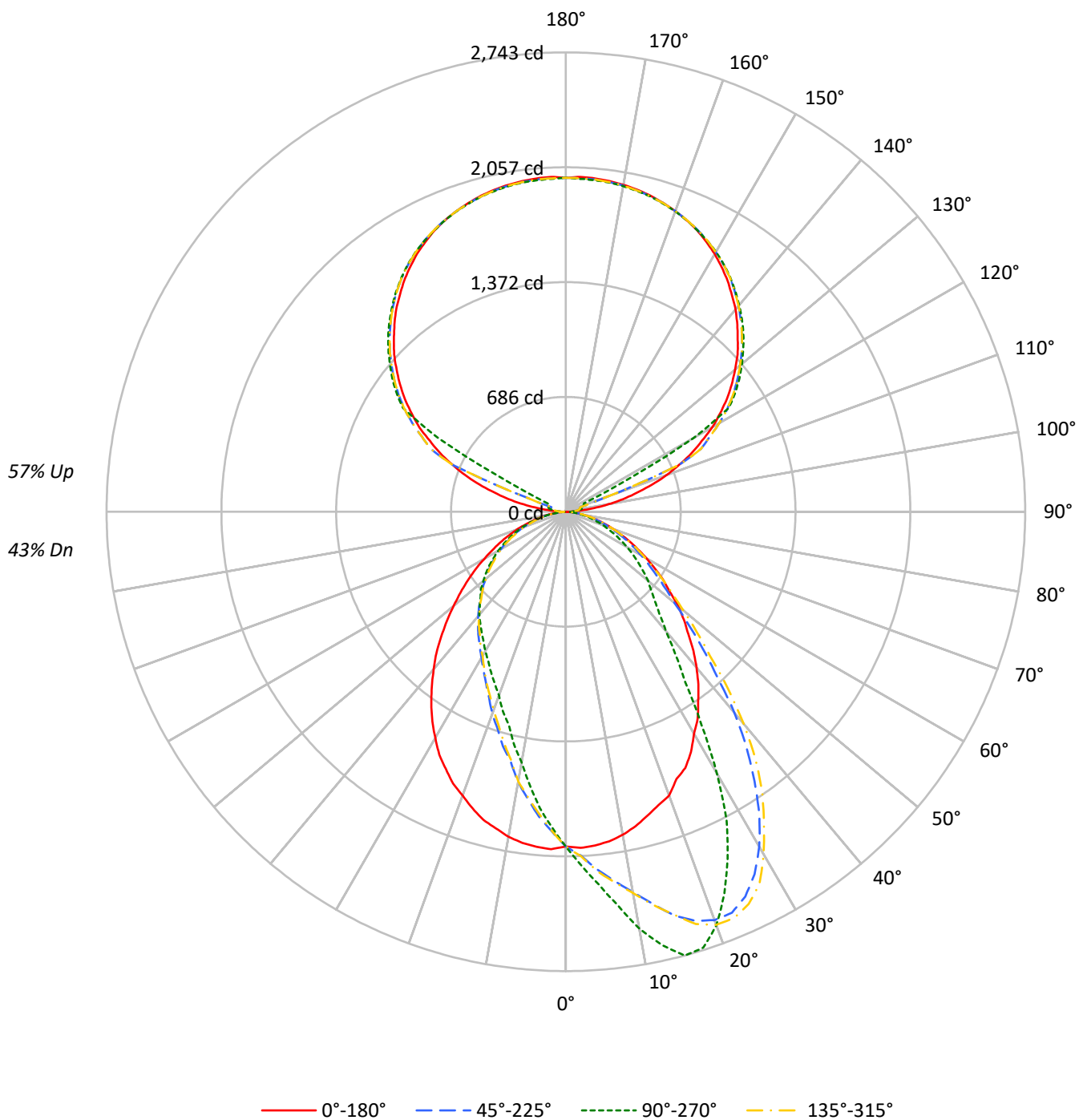
Lumens per Lamp: N/A
Luminaire Lumens: 10259.0 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 113.5
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

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43		
1	97	93	89	85	88	85	82	79	70	68	66	57	55	54	45	44	43	37		
2	88	81	75	70	81	75	70	65	62	58	55	50	48	46	40	38	37	32		
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	33	32	27		
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24		
5	68	57	49	43	62	53	46	41	44	39	35	36	33	30	29	26	24	21		
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	27	24	22	19		
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17		
8	54	42	35	29	49	39	32	28	33	28	24	28	24	21	22	20	17	15		
9	50	39	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14		
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	19	17	15	13		

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

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	1.9
10°-20°	554.0	5.4
20°-30°	804.0	7.8
30°-40°	847.6	8.3
40°-50°	750.0	7.3
50°-60°	598.9	5.8
60°-70°	406.8	4.0
70°-80°	208.1	2.0
80°-90°	52.7	0.5
90°-100°	65.8	0.6
100°-110°	245.1	2.4
110°-120°	650.1	6.3
120°-130°	1078.3	10.5
130°-140°	1145.4	11.2
140°-150°	1064.6	10.4
150°-160°	855.8	8.3
160°-170°	551.5	5.4
170°-180°	189.8	1.9
0°-30°	1548.4	15.1
0°-40°	2396.0	23.4
0°-60°	3744.9	36.5
0°-90°	4412.5	43.0
90°-120°	961.0	9.4
90°-150°	4249.3	41.4
90°-180°	5846.0	57.0
0°-180°	10259.0	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	39	1	39	1	8
95°	94	62	94	62	94	111
105°	439	110	439	110	439	469
115°	830	118	830	118	830	817
125°	1173	1234	1173	1234	1173	1046
135°	1452	1499	1452	1499	1452	1121
145°	1684	1710	1684	1710	1684	1053
155°	1854	1856	1854	1856	1854	854
165°	1954	1950	1954	1950	1954	552
175°	1999	1987	1999	1987	1999	190
180°	1994	1994	1994	1994	1994	

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

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°	1.4	4.9	8.5	12.0	15.5	17.3	18.6	21.2	23.7	26.3	28.9
92.5°	36.1	34.8	33.5	32.2	30.9	30.3	30.8	31.7	32.7	33.6	34.6
95°	93.8	83.2	72.6	62.1	51.5	46.2	47.3	49.6	51.8	54.1	56.3
97.5°	168.8	142.5	116.2	89.9	63.6	50.5	53.1	58.2	63.3	68.5	73.6
100°	255.4	211.5	167.5	123.6	79.7	57.7	60.4	65.9	71.4	76.8	82.3
102.5°	350.7	350.1	349.4	348.8	348.1	347.8	318.6	260.2	201.9	143.5	85.1
105°	438.7	448.3	457.9	467.6	477.2	482.0	438.2	350.7	263.1	175.6	88.0
107.5°	541.1	549.1	557.1	565.2	573.2	577.2	523.2	415.1	307.0	199.0	90.9
110°	639.3	646.0	652.8	659.5	666.2	669.6	623.3	530.6	437.9	345.2	252.5

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	731.6	737.4	743.2	748.9	754.7	757.6	754.9	749.4	744.0	738.5	733.1
115°	829.7	835.2	840.6	846.1	851.6	854.3	858.3	866.3	874.3	882.3	890.3
117.5°	914.9	921.3	927.7	934.1	940.5	943.7	946.4	951.9	957.4	962.8	968.3
120°	1010.1	1014.9	1019.7	1024.6	1029.4	1031.8	1034.7	1040.4	1046.2	1051.9	1057.7
122.5°	1090.9	1096.0	1101.2	1106.3	1111.4	1114.0	1117.2	1123.6	1130.1	1136.5	1142.9
125°	1173.2	1177.4	1181.5	1185.7	1189.8	1191.9	1195.0	1201.1	1207.2	1213.3	1219.4
127.5°	1248.2	1252.7	1257.2	1261.7	1266.2	1268.4	1270.8	1275.6	1280.5	1285.3	1290.1
130°	1318.9	1324.0	1329.2	1334.3	1339.4	1342.0	1343.8	1347.3	1350.8	1354.4	1357.9
132.5°	1391.1	1395.3	1399.4	1403.6	1407.7	1409.8	1411.6	1415.1	1418.6	1422.2	1425.7
135°	1451.7	1456.8	1462.0	1467.1	1472.2	1474.8	1476.2	1479.1	1482.0	1484.9	1487.8
137.5°	1515.2	1519.0	1522.9	1526.7	1530.6	1532.5	1534.1	1537.3	1540.5	1543.7	1546.9
140°	1577.2	1579.8	1582.4	1584.9	1587.5	1588.8	1590.6	1594.1	1597.6	1601.1	1604.6
142.5°	1629.2	1631.4	1633.7	1635.9	1638.2	1639.3	1641.4	1645.5	1649.7	1653.8	1658.0
145°	1684.0	1683.7	1683.4	1683.1	1682.8	1682.6	1685.3	1690.8	1696.2	1701.7	1707.1
147.5°	1731.6	1730.6	1729.7	1728.7	1727.8	1727.3	1730.0	1735.5	1740.9	1746.4	1751.8
150°	1777.8	1775.6	1773.3	1771.1	1768.8	1767.7	1770.3	1775.4	1780.5	1785.7	1790.8
152.5°	1816.8	1814.2	1811.6	1809.1	1806.5	1805.2	1807.6	1812.4	1817.3	1822.1	1826.9
155°	1854.3	1851.4	1848.5	1845.6	1842.7	1841.3	1843.2	1847.1	1850.9	1854.8	1858.6
157.5°	1884.6	1882.0	1879.5	1876.9	1874.4	1873.1	1874.5	1877.4	1880.3	1883.1	1886.0
160°	1910.6	1908.7	1906.7	1904.8	1902.9	1901.9	1902.9	1904.8	1906.7	1908.7	1910.6
162.5°	1933.7	1931.8	1929.8	1927.9	1926.0	1925.0	1925.8	1927.4	1929.0	1930.6	1932.2
165°	1953.9	1952.0	1950.0	1948.1	1946.2	1945.2	1945.7	1946.6	1947.6	1948.5	1949.5
167.5°	1969.7	1967.8	1965.9	1964.0	1962.1	1961.1	1961.6	1962.5	1963.5	1964.4	1965.4
170°	1982.7	1980.8	1978.9	1977.0	1975.1	1974.1	1974.4	1975.1	1975.7	1976.4	1977.0
172.5°	1991.4	1989.5	1987.5	1985.6	1983.7	1982.7	1983.0	1983.7	1984.3	1985.0	1985.6
175°	1998.6	1996.4	1994.1	1991.9	1989.6	1988.5	1988.8	1989.5	1990.1	1990.8	1991.4
177.5°	2001.5	1999.3	1997.0	1994.8	1992.5	1991.4	1991.6	1991.9	1992.2	1992.5	1992.8
180°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

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°	30.5	32.1	33.7	35.3	36.1	36.4	37.1	37.7	38.4	39.0	38.4
92.5°	35.2	35.9	36.5	37.2	37.5	37.7	38.0	38.3	38.7	39.0	38.7
95°	57.9	59.5	61.1	62.7	63.5	63.3	63.0	62.7	62.4	62.1	62.4
97.5°	74.6	75.5	76.5	77.4	77.9	78.1	78.4	78.7	79.1	79.4	79.1
100°	84.9	87.4	90.0	92.5	93.8	94.1	94.8	95.4	96.1	96.7	96.1
102.5°	88.6	92.2	95.7	99.2	101.0	101.5	102.4	103.4	104.3	105.3	104.3
105°	91.5	95.1	98.6	102.1	103.9	104.5	105.8	107.1	108.4	109.7	108.4
107.5°	94.4	98.0	101.5	105.0	106.8	107.4	108.7	110.0	111.3	112.6	111.3
110°	220.4	188.4	156.3	124.2	108.2	108.8	110.1	111.4	112.7	114.0	112.7

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	594.9	456.7	318.4	180.2	111.1	111.6	112.5	113.5	114.4	115.4	114.4
115°	741.8	593.4	444.9	296.4	222.2	210.7	187.6	164.5	141.4	118.3	141.4
117.5°	922.4	876.6	830.7	784.8	761.9	719.9	635.9	551.8	467.8	383.8	467.8
120°	1061.6	1065.4	1069.3	1073.2	1075.1	1053.4	1010.1	966.8	923.5	880.2	923.5
122.5°	1144.8	1146.7	1148.6	1150.5	1151.5	1151.7	1152.0	1152.3	1152.7	1153.0	1152.7
125°	1221.6	1223.9	1226.1	1228.4	1229.5	1230.0	1230.9	1231.9	1232.8	1233.8	1232.8
127.5°	1293.3	1296.5	1299.7	1302.9	1304.5	1304.7	1305.0	1305.3	1305.6	1305.9	1305.6
130°	1361.4	1365.0	1368.5	1372.0	1373.8	1373.6	1373.3	1373.0	1372.6	1372.3	1372.6
132.5°	1428.6	1431.5	1434.4	1437.3	1438.7	1438.5	1438.2	1437.9	1437.6	1437.3	1437.6
135°	1491.0	1494.2	1497.4	1500.6	1502.2	1501.9	1501.2	1500.6	1499.9	1499.3	1499.9
137.5°	1550.1	1553.3	1556.6	1559.8	1561.4	1560.9	1559.9	1559.0	1558.0	1557.0	1558.0
140°	1607.5	1610.4	1613.3	1616.2	1617.6	1616.8	1615.2	1613.6	1612.0	1610.4	1612.0
142.5°	1660.6	1663.2	1665.7	1668.3	1669.6	1668.8	1667.2	1665.6	1664.0	1662.4	1664.0
145°	1709.3	1711.6	1713.8	1716.1	1717.2	1716.4	1714.8	1713.2	1711.6	1710.0	1711.6
147.5°	1753.4	1755.0	1756.7	1758.3	1759.1	1758.5	1757.2	1755.9	1754.6	1753.3	1754.6
150°	1792.7	1794.7	1796.6	1798.5	1799.5	1798.7	1797.1	1795.4	1793.8	1792.2	1793.8
152.5°	1828.8	1830.7	1832.6	1834.5	1835.5	1834.4	1832.1	1829.9	1827.6	1825.4	1827.6
155°	1860.5	1862.5	1864.4	1866.3	1867.3	1866.0	1863.4	1860.9	1858.3	1855.7	1858.3
157.5°	1888.2	1890.5	1892.7	1895.0	1896.1	1894.8	1892.3	1889.7	1887.2	1884.6	1887.2
160°	1912.5	1914.4	1916.3	1918.2	1919.2	1918.1	1915.8	1913.6	1911.3	1909.1	1911.3
162.5°	1934.4	1936.7	1938.9	1941.2	1942.3	1940.9	1938.0	1935.1	1932.2	1929.3	1932.2
165°	1951.7	1954.0	1956.2	1958.5	1959.6	1958.5	1956.2	1954.0	1951.7	1949.5	1951.7
167.5°	1967.6	1969.9	1972.1	1974.4	1975.5	1974.1	1971.2	1968.3	1965.4	1962.5	1965.4
170°	1979.2	1981.5	1983.7	1986.0	1987.1	1985.7	1982.8	1979.9	1977.0	1974.1	1977.0
172.5°	1987.8	1990.1	1992.3	1994.6	1995.7	1994.3	1991.4	1988.5	1985.6	1982.7	1985.6
175°	1993.6	1995.9	1998.1	2000.4	2001.5	1999.9	1996.7	1993.5	1990.3	1987.1	1990.3
177.5°	1995.0	1997.3	1999.5	2001.8	2002.9	2001.5	1998.6	1995.7	1992.8	1989.9	1992.8
180°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-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°	37.7	37.1	36.4	36.1	35.3	33.7	32.1	30.5	28.9	26.3	23.7
92.5°	38.3	38.0	37.7	37.5	37.2	36.5	35.9	35.2	34.6	33.6	32.7
95°	62.7	63.0	63.3	63.5	62.7	61.1	59.5	57.9	56.3	54.1	51.8
97.5°	78.7	78.4	78.1	77.9	77.4	76.5	75.5	74.6	73.6	68.5	63.3
100°	95.4	94.8	94.1	93.8	92.5	90.0	87.4	84.9	82.3	76.8	71.4
102.5°	103.4	102.4	101.5	101.0	99.2	95.7	92.2	88.6	85.1	143.5	201.9
105°	107.1	105.8	104.5	103.9	102.1	98.6	95.1	91.5	88.0	175.6	263.1
107.5°	110.0	108.7	107.4	106.8	105.0	101.5	98.0	94.4	90.9	199.0	307.0
110°	111.4	110.1	108.8	108.2	124.2	156.3	188.4	220.4	252.5	345.2	437.9

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	113.5	112.5	111.6	111.1	180.2	318.4	456.7	594.9	733.1	738.5	744.0
115°	164.5	187.6	210.7	222.2	296.4	444.9	593.4	741.8	890.3	882.3	874.3
117.5°	551.8	635.9	719.9	761.9	784.8	830.7	876.6	922.4	968.3	962.8	957.4
120°	966.8	1010.1	1053.4	1075.1	1073.2	1069.3	1065.4	1061.6	1057.7	1051.9	1046.2
122.5°	1152.3	1152.0	1151.7	1151.5	1150.5	1148.6	1146.7	1144.8	1142.9	1136.5	1130.1
125°	1231.9	1230.9	1230.0	1229.5	1228.4	1226.1	1223.9	1221.6	1219.4	1213.3	1207.2
127.5°	1305.3	1305.0	1304.7	1304.5	1302.9	1299.7	1296.5	1293.3	1290.1	1285.3	1280.5
130°	1373.0	1373.3	1373.6	1373.8	1372.0	1368.5	1365.0	1361.4	1357.9	1354.4	1350.8
132.5°	1437.9	1438.2	1438.5	1438.7	1437.3	1434.4	1431.5	1428.6	1425.7	1422.2	1418.6
135°	1500.6	1501.2	1501.9	1502.2	1500.6	1497.4	1494.2	1491.0	1487.8	1484.9	1482.0
137.5°	1559.0	1559.9	1560.9	1561.4	1559.8	1556.6	1553.3	1550.1	1546.9	1543.7	1540.5
140°	1613.6	1615.2	1616.8	1617.6	1616.2	1613.3	1610.4	1607.5	1604.6	1601.1	1597.6
142.5°	1665.6	1667.2	1668.8	1669.6	1668.3	1665.7	1663.2	1660.6	1658.0	1653.8	1649.7
145°	1713.2	1714.8	1716.4	1717.2	1716.1	1713.8	1711.6	1709.3	1707.1	1701.7	1696.2
147.5°	1755.9	1757.2	1758.5	1759.1	1758.3	1756.7	1755.0	1753.4	1751.8	1746.4	1740.9
150°	1795.4	1797.1	1798.7	1799.5	1798.5	1796.6	1794.7	1792.7	1790.8	1785.7	1780.5
152.5°	1829.9	1832.1	1834.4	1835.5	1834.5	1832.6	1830.7	1828.8	1826.9	1822.1	1817.3
155°	1860.9	1863.4	1866.0	1867.3	1866.3	1864.4	1862.5	1860.5	1858.6	1854.8	1850.9
157.5°	1889.7	1892.3	1894.8	1896.1	1895.0	1892.7	1890.5	1888.2	1886.0	1883.1	1880.3
160°	1913.6	1915.8	1918.1	1919.2	1918.2	1916.3	1914.4	1912.5	1910.6	1908.7	1906.7
162.5°	1935.1	1938.0	1940.9	1942.3	1941.2	1938.9	1936.7	1934.4	1932.2	1930.6	1929.0
165°	1954.0	1956.2	1958.5	1959.6	1958.5	1956.2	1954.0	1951.7	1949.5	1948.5	1947.6
167.5°	1968.3	1971.2	1974.1	1975.5	1974.4	1972.1	1969.9	1967.6	1965.4	1964.4	1963.5
170°	1979.9	1982.8	1985.7	1987.1	1986.0	1983.7	1981.5	1979.2	1977.0	1976.4	1975.7
172.5°	1988.5	1991.4	1994.3	1995.7	1994.6	1992.3	1990.1	1987.8	1985.6	1985.0	1984.3
175°	1993.5	1996.7	1999.9	2001.5	2000.4	1998.1	1995.9	1993.6	1991.4	1990.8	1990.1
177.5°	1995.7	1998.6	2001.5	2002.9	2001.8	1999.5	1997.3	1995.0	1992.8	1992.5	1992.2
180°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-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°	21.2	18.6	17.3	15.5	12.0	8.5	4.9	1.4	4.9	8.5	12.0
92.5°	31.7	30.8	30.3	30.9	32.2	33.5	34.8	36.1	34.8	33.5	32.2
95°	49.6	47.3	46.2	51.5	62.1	72.6	83.2	93.8	83.2	72.6	62.1
97.5°	58.2	53.1	50.5	63.6	89.9	116.2	142.5	168.8	142.5	116.2	89.9
100°	65.9	60.4	57.7	79.7	123.6	167.5	211.5	255.4	211.5	167.5	123.6
102.5°	260.2	318.6	347.8	348.1	348.8	349.4	350.1	350.7	350.1	349.4	348.8
105°	350.7	438.2	482.0	477.2	467.6	457.9	448.3	438.7	448.3	457.9	467.6
107.5°	415.1	523.2	577.2	573.2	565.2	557.1	549.1	541.1	549.1	557.1	565.2
110°	530.6	623.3	669.6	666.2	659.5	652.8	646.0	639.3	646.0	652.8	659.5

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	749.4	754.9	757.6	754.7	748.9	743.2	737.4	731.6	737.4	743.2	748.9
115°	866.3	858.3	854.3	851.6	846.1	840.6	835.2	829.7	835.2	840.6	846.1
117.5°	951.9	946.4	943.7	940.5	934.1	927.7	921.3	914.9	921.3	927.7	934.1
120°	1040.4	1034.7	1031.8	1029.4	1024.6	1019.7	1014.9	1010.1	1014.9	1019.7	1024.6
122.5°	1123.6	1117.2	1114.0	1111.4	1106.3	1101.2	1096.0	1090.9	1096.0	1101.2	1106.3
125°	1201.1	1195.0	1191.9	1189.8	1185.7	1181.5	1177.4	1173.2	1177.4	1181.5	1185.7
127.5°	1275.6	1270.8	1268.4	1266.2	1261.7	1257.2	1252.7	1248.2	1252.7	1257.2	1261.7
130°	1347.3	1343.8	1342.0	1339.4	1334.3	1329.2	1324.0	1318.9	1324.0	1329.2	1334.3
132.5°	1415.1	1411.6	1409.8	1407.7	1403.6	1399.4	1395.3	1391.1	1395.3	1399.4	1403.6
135°	1479.1	1476.2	1474.8	1472.2	1467.1	1462.0	1456.8	1451.7	1456.8	1462.0	1467.1
137.5°	1537.3	1534.1	1532.5	1530.6	1526.7	1522.9	1519.0	1515.2	1519.0	1522.9	1526.7
140°	1594.1	1590.6	1588.8	1587.5	1584.9	1582.4	1579.8	1577.2	1579.8	1582.4	1584.9
142.5°	1645.5	1641.4	1639.3	1638.2	1635.9	1633.7	1631.4	1629.2	1631.4	1633.7	1635.9
145°	1690.8	1685.3	1682.6	1682.8	1683.1	1683.4	1683.7	1684.0	1683.7	1683.4	1683.1
147.5°	1735.5	1730.0	1727.3	1727.8	1728.7	1729.7	1730.6	1731.6	1730.6	1729.7	1728.7
150°	1775.4	1770.3	1767.7	1768.8	1771.1	1773.3	1775.6	1777.8	1775.6	1773.3	1771.1
152.5°	1812.4	1807.6	1805.2	1806.5	1809.1	1811.6	1814.2	1816.8	1814.2	1811.6	1809.1
155°	1847.1	1843.2	1841.3	1842.7	1845.6	1848.5	1851.4	1854.3	1851.4	1848.5	1845.6
157.5°	1877.4	1874.5	1873.1	1874.4	1876.9	1879.5	1882.0	1884.6	1882.0	1879.5	1876.9
160°	1904.8	1902.9	1901.9	1902.9	1904.8	1906.7	1908.7	1910.6	1908.7	1906.7	1904.8
162.5°	1927.4	1925.8	1925.0	1926.0	1927.9	1929.8	1931.8	1933.7	1931.8	1929.8	1927.9
165°	1946.6	1945.7	1945.2	1946.2	1948.1	1950.0	1952.0	1953.9	1952.0	1950.0	1948.1
167.5°	1962.5	1961.6	1961.1	1962.1	1964.0	1965.9	1967.8	1969.7	1967.8	1965.9	1964.0
170°	1975.1	1974.4	1974.1	1975.1	1977.0	1978.9	1980.8	1982.7	1980.8	1978.9	1977.0
172.5°	1983.7	1983.0	1982.7	1983.7	1985.6	1987.5	1989.5	1991.4	1989.5	1987.5	1985.6
175°	1989.5	1988.8	1988.5	1989.6	1991.9	1994.1	1996.4	1998.6	1996.4	1994.1	1991.9
177.5°	1991.9	1991.6	1991.4	1992.5	1994.8	1997.0	1999.3	2001.5	1999.3	1997.0	1994.8
180°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-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°	15.5	17.3	18.6	21.2	23.7	26.3	28.9	30.5	32.1	33.7	35.3
92.5°	30.9	30.3	30.8	31.7	32.7	33.6	34.6	35.2	35.9	36.5	37.2
95°	51.5	46.2	47.3	49.6	51.8	54.1	56.3	57.9	59.5	61.1	62.7
97.5°	63.6	50.5	53.1	58.2	63.3	68.5	73.6	74.6	75.5	76.5	77.4
100°	79.7	57.7	60.4	65.9	71.4	76.8	82.3	84.9	87.4	90.0	92.5
102.5°	348.1	347.8	318.6	260.2	201.9	143.5	85.1	88.6	92.2	95.7	99.2
105°	477.2	482.0	438.2	350.7	263.1	175.6	88.0	91.5	95.1	98.6	102.1
107.5°	573.2	577.2	523.2	415.1	307.0	199.0	90.9	94.4	98.0	101.5	105.0
110°	666.2	669.6	623.3	530.6	437.9	345.2	252.5	220.4	188.4	156.3	124.2

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	754.7	757.6	754.9	749.4	744.0	738.5	733.1	594.9	456.7	318.4	180.2
115°	851.6	854.3	858.3	866.3	874.3	882.3	890.3	741.8	593.4	444.9	296.4
117.5°	940.5	943.7	946.4	951.9	957.4	962.8	968.3	922.4	876.6	830.7	784.8
120°	1029.4	1031.8	1034.7	1040.4	1046.2	1051.9	1057.7	1061.6	1065.4	1069.3	1073.2
122.5°	1111.4	1114.0	1117.2	1123.6	1130.1	1136.5	1142.9	1144.8	1146.7	1148.6	1150.5
125°	1189.8	1191.9	1195.0	1201.1	1207.2	1213.3	1219.4	1221.6	1223.9	1226.1	1228.4
127.5°	1266.2	1268.4	1270.8	1275.6	1280.5	1285.3	1290.1	1293.3	1296.5	1299.7	1302.9
130°	1339.4	1342.0	1343.8	1347.3	1350.8	1354.4	1357.9	1361.4	1365.0	1368.5	1372.0
132.5°	1407.7	1409.8	1411.6	1415.1	1418.6	1422.2	1425.7	1428.6	1431.5	1434.4	1437.3
135°	1472.2	1474.8	1476.2	1479.1	1482.0	1484.9	1487.8	1491.0	1494.2	1497.4	1500.6
137.5°	1530.6	1532.5	1534.1	1537.3	1540.5	1543.7	1546.9	1550.1	1553.3	1556.6	1559.8
140°	1587.5	1588.8	1590.6	1594.1	1597.6	1601.1	1604.6	1607.5	1610.4	1613.3	1616.2
142.5°	1638.2	1639.3	1641.4	1645.5	1649.7	1653.8	1658.0	1660.6	1663.2	1665.7	1668.3
145°	1682.8	1682.6	1685.3	1690.8	1696.2	1701.7	1707.1	1709.3	1711.6	1713.8	1716.1
147.5°	1727.8	1727.3	1730.0	1735.5	1740.9	1746.4	1751.8	1753.4	1755.0	1756.7	1758.3
150°	1768.8	1767.7	1770.3	1775.4	1780.5	1785.7	1790.8	1792.7	1794.7	1796.6	1798.5
152.5°	1806.5	1805.2	1807.6	1812.4	1817.3	1822.1	1826.9	1828.8	1830.7	1832.6	1834.5
155°	1842.7	1841.3	1843.2	1847.1	1850.9	1854.8	1858.6	1860.5	1862.5	1864.4	1866.3
157.5°	1874.4	1873.1	1874.5	1877.4	1880.3	1883.1	1886.0	1888.2	1890.5	1892.7	1895.0
160°	1902.9	1901.9	1902.9	1904.8	1906.7	1908.7	1910.6	1912.5	1914.4	1916.3	1918.2
162.5°	1926.0	1925.0	1925.8	1927.4	1929.0	1930.6	1932.2	1934.4	1936.7	1938.9	1941.2
165°	1946.2	1945.2	1945.7	1946.6	1947.6	1948.5	1949.5	1951.7	1954.0	1956.2	1958.5
167.5°	1962.1	1961.1	1961.6	1962.5	1963.5	1964.4	1965.4	1967.6	1969.9	1972.1	1974.4
170°	1975.1	1974.1	1974.4	1975.1	1975.7	1976.4	1977.0	1979.2	1981.5	1983.7	1986.0
172.5°	1983.7	1982.7	1983.0	1983.7	1984.3	1985.0	1985.6	1987.8	1990.1	1992.3	1994.6
175°	1989.6	1988.5	1988.8	1989.5	1990.1	1990.8	1991.4	1993.6	1995.9	1998.1	2000.4
177.5°	1992.5	1991.4	1991.6	1991.9	1992.2	1992.5	1992.8	1995.0	1997.3	1999.5	2001.8
180°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-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°	36.1	36.4	37.1	37.7	38.4	39.0	38.4	37.7	37.1	36.4	36.1
92.5°	37.5	37.7	38.0	38.3	38.7	39.0	38.7	38.3	38.0	37.7	37.5
95°	63.5	63.3	63.0	62.7	62.4	62.1	62.4	62.7	63.0	63.3	63.5
97.5°	77.9	78.1	78.4	78.7	79.1	79.4	79.1	78.7	78.4	78.1	77.9
100°	93.8	94.1	94.8	95.4	96.1	96.7	96.1	95.4	94.8	94.1	93.8
102.5°	101.0	101.5	102.4	103.4	104.3	105.3	104.3	103.4	102.4	101.5	101.0
105°	103.9	104.5	105.8	107.1	108.4	109.7	108.4	107.1	105.8	104.5	103.9
107.5°	106.8	107.4	108.7	110.0	111.3	112.6	111.3	110.0	108.7	107.4	106.8
110°	108.2	108.8	110.1	111.4	112.7	114.0	112.7	111.4	110.1	108.8	108.2

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	111.1	111.6	112.5	113.5	114.4	115.4	114.4	113.5	112.5	111.6	111.1
115°	222.2	210.7	187.6	164.5	141.4	118.3	141.4	164.5	187.6	210.7	222.2
117.5°	761.9	719.9	635.9	551.8	467.8	383.8	467.8	551.8	635.9	719.9	761.9
120°	1075.1	1053.4	1010.1	966.8	923.5	880.2	923.5	966.8	1010.1	1053.4	1075.1
122.5°	1151.5	1151.7	1152.0	1152.3	1152.7	1153.0	1152.7	1152.3	1152.0	1151.7	1151.5
125°	1229.5	1230.0	1230.9	1231.9	1232.8	1233.8	1232.8	1231.9	1230.9	1230.0	1229.5
127.5°	1304.5	1304.7	1305.0	1305.3	1305.6	1305.9	1305.6	1305.3	1305.0	1304.7	1304.5
130°	1373.8	1373.6	1373.3	1373.0	1372.6	1372.3	1372.6	1373.0	1373.3	1373.6	1373.8
132.5°	1438.7	1438.5	1438.2	1437.9	1437.6	1437.3	1437.6	1437.9	1438.2	1438.5	1438.7
135°	1502.2	1501.9	1501.2	1500.6	1499.9	1499.3	1499.9	1500.6	1501.2	1501.9	1502.2
137.5°	1561.4	1560.9	1559.9	1559.0	1558.0	1557.0	1558.0	1559.0	1559.9	1560.9	1561.4
140°	1617.6	1616.8	1615.2	1613.6	1612.0	1610.4	1612.0	1613.6	1615.2	1616.8	1617.6
142.5°	1669.6	1668.8	1667.2	1665.6	1664.0	1662.4	1664.0	1665.6	1667.2	1668.8	1669.6
145°	1717.2	1716.4	1714.8	1713.2	1711.6	1710.0	1711.6	1713.2	1714.8	1716.4	1717.2
147.5°	1759.1	1758.5	1757.2	1755.9	1754.6	1753.3	1754.6	1755.9	1757.2	1758.5	1759.1
150°	1799.5	1798.7	1797.1	1795.4	1793.8	1792.2	1793.8	1795.4	1797.1	1798.7	1799.5
152.5°	1835.5	1834.4	1832.1	1829.9	1827.6	1825.4	1827.6	1829.9	1832.1	1834.4	1835.5
155°	1867.3	1866.0	1863.4	1860.9	1858.3	1855.7	1858.3	1860.9	1863.4	1866.0	1867.3
157.5°	1896.1	1894.8	1892.3	1889.7	1887.2	1884.6	1887.2	1889.7	1892.3	1894.8	1896.1
160°	1919.2	1918.1	1915.8	1913.6	1911.3	1909.1	1911.3	1913.6	1915.8	1918.1	1919.2
162.5°	1942.3	1940.9	1938.0	1935.1	1932.2	1929.3	1932.2	1935.1	1938.0	1940.9	1942.3
165°	1959.6	1958.5	1956.2	1954.0	1951.7	1949.5	1951.7	1954.0	1956.2	1958.5	1959.6
167.5°	1975.5	1974.1	1971.2	1968.3	1965.4	1962.5	1965.4	1968.3	1971.2	1974.1	1975.5
170°	1987.1	1985.7	1982.8	1979.9	1977.0	1974.1	1977.0	1979.9	1982.8	1985.7	1987.1
172.5°	1995.7	1994.3	1991.4	1988.5	1985.6	1982.7	1985.6	1988.5	1991.4	1994.3	1995.7
175°	2001.5	1999.9	1996.7	1993.5	1990.3	1987.1	1990.3	1993.5	1996.7	1999.9	2001.5
177.5°	2002.9	2001.5	1998.6	1995.7	1992.8	1989.9	1992.8	1995.7	1998.6	2001.5	2002.9
180°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-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°	35.3	33.7	32.1	30.5	28.9	26.3	23.7	21.2	18.6	17.3	15.5
92.5°	37.2	36.5	35.9	35.2	34.6	33.6	32.7	31.7	30.8	30.3	30.9
95°	62.7	61.1	59.5	57.9	56.3	54.1	51.8	49.6	47.3	46.2	51.5
97.5°	77.4	76.5	75.5	74.6	73.6	68.5	63.3	58.2	53.1	50.5	63.6
100°	92.5	90.0	87.4	84.9	82.3	76.8	71.4	65.9	60.4	57.7	79.7
102.5°	99.2	95.7	92.2	88.6	85.1	143.5	201.9	260.2	318.6	347.8	348.1
105°	102.1	98.6	95.1	91.5	88.0	175.6	263.1	350.7	438.2	482.0	477.2
107.5°	105.0	101.5	98.0	94.4	90.9	199.0	307.0	415.1	523.2	577.2	573.2
110°	124.2	156.3	188.4	220.4	252.5	345.2	437.9	530.6	623.3	669.6	666.2

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	180.2	318.4	456.7	594.9	733.1	738.5	744.0	749.4	754.9	757.6	754.7
115°	296.4	444.9	593.4	741.8	890.3	882.3	874.3	866.3	858.3	854.3	851.6
117.5°	784.8	830.7	876.6	922.4	968.3	962.8	957.4	951.9	946.4	943.7	940.5
120°	1073.2	1069.3	1065.4	1061.6	1057.7	1051.9	1046.2	1040.4	1034.7	1031.8	1029.4
122.5°	1150.5	1148.6	1146.7	1144.8	1142.9	1136.5	1130.1	1123.6	1117.2	1114.0	1111.4
125°	1228.4	1226.1	1223.9	1221.6	1219.4	1213.3	1207.2	1201.1	1195.0	1191.9	1189.8
127.5°	1302.9	1299.7	1296.5	1293.3	1290.1	1285.3	1280.5	1275.6	1270.8	1268.4	1266.2
130°	1372.0	1368.5	1365.0	1361.4	1357.9	1354.4	1350.8	1347.3	1343.8	1342.0	1339.4
132.5°	1437.3	1434.4	1431.5	1428.6	1425.7	1422.2	1418.6	1415.1	1411.6	1409.8	1407.7
135°	1500.6	1497.4	1494.2	1491.0	1487.8	1484.9	1482.0	1479.1	1476.2	1474.8	1472.2
137.5°	1559.8	1556.6	1553.3	1550.1	1546.9	1543.7	1540.5	1537.3	1534.1	1532.5	1530.6
140°	1616.2	1613.3	1610.4	1607.5	1604.6	1601.1	1597.6	1594.1	1590.6	1588.8	1587.5
142.5°	1668.3	1665.7	1663.2	1660.6	1658.0	1653.8	1649.7	1645.5	1641.4	1639.3	1638.2
145°	1716.1	1713.8	1711.6	1709.3	1707.1	1701.7	1696.2	1690.8	1685.3	1682.6	1682.8
147.5°	1758.3	1756.7	1755.0	1753.4	1751.8	1746.4	1740.9	1735.5	1730.0	1727.3	1727.8
150°	1798.5	1796.6	1794.7	1792.7	1790.8	1785.7	1780.5	1775.4	1770.3	1767.7	1768.8
152.5°	1834.5	1832.6	1830.7	1828.8	1826.9	1822.1	1817.3	1812.4	1807.6	1805.2	1806.5
155°	1866.3	1864.4	1862.5	1860.5	1858.6	1854.8	1850.9	1847.1	1843.2	1841.3	1842.7
157.5°	1895.0	1892.7	1890.5	1888.2	1886.0	1883.1	1880.3	1877.4	1874.5	1873.1	1874.4
160°	1918.2	1916.3	1914.4	1912.5	1910.6	1908.7	1906.7	1904.8	1902.9	1901.9	1902.9
162.5°	1941.2	1938.9	1936.7	1934.4	1932.2	1930.6	1929.0	1927.4	1925.8	1925.0	1926.0
165°	1958.5	1956.2	1954.0	1951.7	1949.5	1948.5	1947.6	1946.6	1945.7	1945.2	1946.2
167.5°	1974.4	1972.1	1969.9	1967.6	1965.4	1964.4	1963.5	1962.5	1961.6	1961.1	1962.1
170°	1986.0	1983.7	1981.5	1979.2	1977.0	1976.4	1975.7	1975.1	1974.4	1974.1	1975.1
172.5°	1994.6	1992.3	1990.1	1987.8	1985.6	1985.0	1984.3	1983.7	1983.0	1982.7	1983.7
175°	2000.4	1998.1	1995.9	1993.6	1991.4	1990.8	1990.1	1989.5	1988.8	1988.5	1989.6
177.5°	2001.8	1999.5	1997.3	1995.0	1992.8	1992.5	1992.2	1991.9	1991.6	1991.4	1992.5
180°	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3	1994.3

TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-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°	12.0	8.5	4.9	1.4
92.5°	32.2	33.5	34.8	36.1
95°	62.1	72.6	83.2	93.8
97.5°	89.9	116.2	142.5	168.8
100°	123.6	167.5	211.5	255.4
102.5°	348.8	349.4	350.1	350.7
105°	467.6	457.9	448.3	438.7
107.5°	565.2	557.1	549.1	541.1
110°	659.5	652.8	646.0	639.3



TEST NUMBER: P1029190

CATALOG NUMBER: S122DIW-B1005D1440UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	748.9	743.2	737.4	731.6
115°	846.1	840.6	835.2	829.7
117.5°	934.1	927.7	921.3	914.9
120°	1024.6	1019.7	1014.9	1010.1
122.5°	1106.3	1101.2	1096.0	1090.9
125°	1185.7	1181.5	1177.4	1173.2
127.5°	1261.7	1257.2	1252.7	1248.2
130°	1334.3	1329.2	1324.0	1318.9
132.5°	1403.6	1399.4	1395.3	1391.1
135°	1467.1	1462.0	1456.8	1451.7
137.5°	1526.7	1522.9	1519.0	1515.2
140°	1584.9	1582.4	1579.8	1577.2
142.5°	1635.9	1633.7	1631.4	1629.2
145°	1683.1	1683.4	1683.7	1684.0
147.5°	1728.7	1729.7	1730.6	1731.6
150°	1771.1	1773.3	1775.6	1777.8
152.5°	1809.1	1811.6	1814.2	1816.8
155°	1845.6	1848.5	1851.4	1854.3
157.5°	1876.9	1879.5	1882.0	1884.6
160°	1904.8	1906.7	1908.7	1910.6
162.5°	1927.9	1929.8	1931.8	1933.7
165°	1948.1	1950.0	1952.0	1953.9
167.5°	1964.0	1965.9	1967.8	1969.7
170°	1977.0	1978.9	1980.8	1982.7
172.5°	1985.6	1987.5	1989.5	1991.4
175°	1991.9	1994.1	1996.4	1998.6
177.5°	1994.8	1997.0	1999.3	2001.5
180°	1994.3	1994.3	1994.3	1994.3

(END OF REPORT)