

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: P1029339

Luminaire Tested: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P1029339
REPORT IS A COMBINATION OF REPORTS P985580 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Direct/Indirect Wall Mount with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

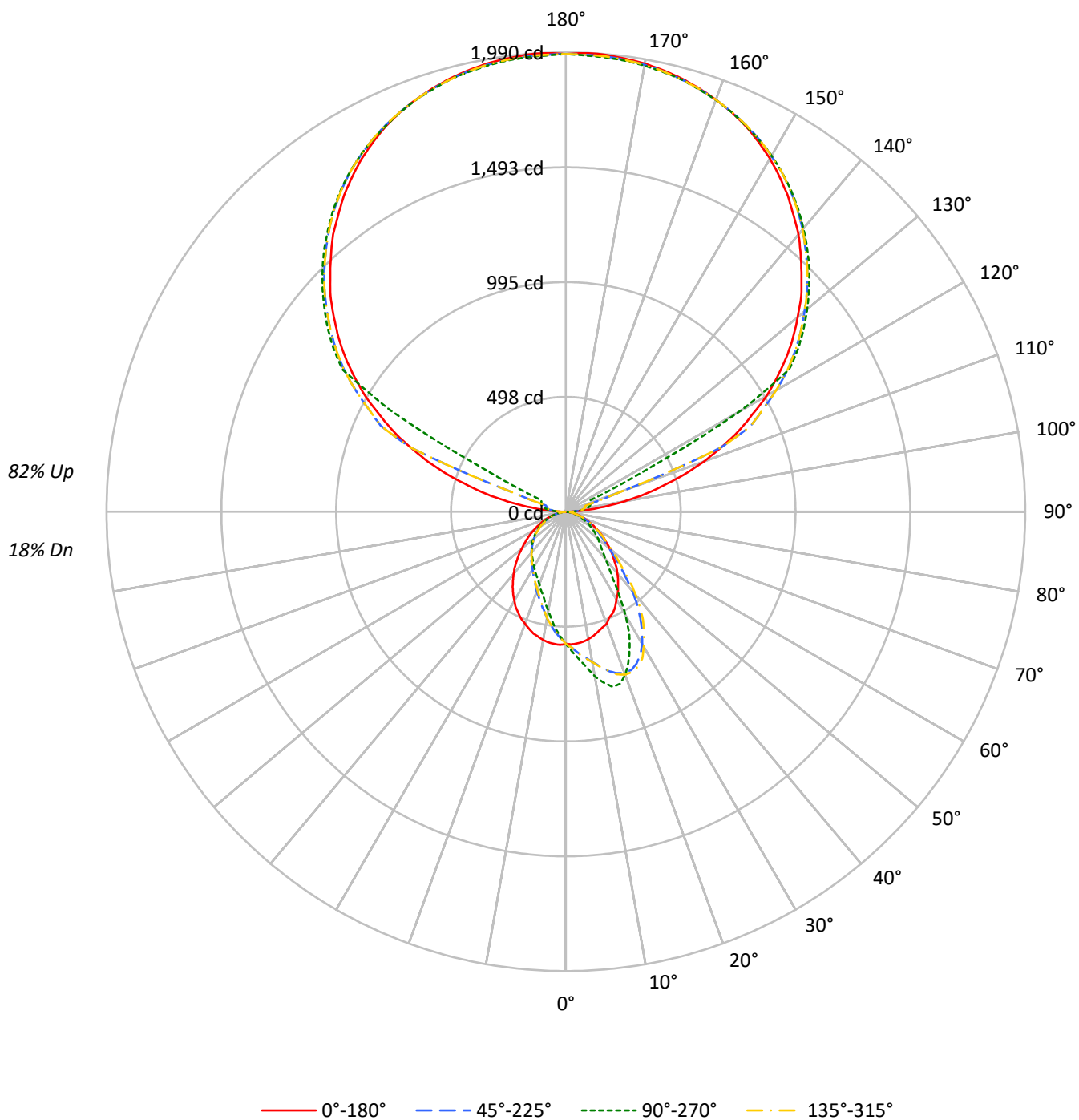
Lumens per Lamp: N/A
Luminaire Lumens: 7079.0 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 65.2
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: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	99	99	99	99	88	88	88	88	65	65	65	45	45	45	27	27	27
1	91	87	83	80	80	77	74	71	57	56	54	40	39	38	24	23	23
2	83	76	70	65	73	67	62	58	50	47	45	35	33	32	21	20	19
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17
4	69	59	52	46	61	52	46	41	40	35	32	28	25	23	17	16	14
5	63	52	45	39	56	47	40	35	35	31	28	25	22	20	15	14	13
6	58	47	39	34	51	42	35	31	32	27	24	23	20	18	14	12	11
7	54	42	35	30	47	38	31	27	29	24	21	20	18	15	13	11	10
8	50	38	31	26	44	34	28	23	26	22	19	19	16	14	12	10	9
9	46	35	28	23	41	31	25	21	24	19	16	17	14	12	11	9	8
10	43	32	25	20	38	28	22	18	22	18	15	16	13	11	10	8	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9054	9054	9054	9054
5°	9075	9654	9110	7680
10°	8971	10539	9027	6332
15°	8753	11116	8875	5334
20°	8617	10438	8617	4636
25°	8342	8967	8380	4146
30°	7890	7049	8041	3755
35°	7490	4874	7616	3435
40°	7029	3680	7110	3181
45°	6462	3025	6567	2906
50°	5971	2654	5983	2661
55°	5412	2262	5446	2394
60°	4816	1890	4882	2089
65°	4284	1537	4362	1784
70°	3750	1205	3846	1438
75°	3149	875	3273	1043
80°	2459	555	2635	620
85°	1610	280	1737	207

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9360 cd/sqm

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	0.8
10°-20°	158.6	2.2
20°-30°	230.1	3.3
30°-40°	242.6	3.4
40°-50°	214.7	3.0
50°-60°	171.4	2.4
60°-70°	116.4	1.6
70°-80°	59.6	0.8
80°-90°	17.6	0.2
90°-100°	65.4	0.9
100°-110°	243.8	3.4
110°-120°	646.5	9.1
120°-130°	1072.2	15.1
130°-140°	1138.9	16.1
140°-150°	1058.5	15.0
150°-160°	851.0	12.0
160°-170°	548.4	7.7
170°-180°	188.7	2.7
0°-30°	443.2	6.3
0°-40°	685.8	9.7
0°-60°	1071.9	15.1
0°-90°	1265.5	17.9
90°-120°	955.6	13.5
90°-150°	4225.4	59.7
90°-180°	5813.0	82.1
0°-180°	7079.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	572	572	572	572	572	
5°	572	639	575	508	572	54
15°	538	785	545	377	538	152
25°	483	654	485	302	483	221
35°	394	356	401	251	394	247
45°	296	215	301	206	296	230
55°	203	151	204	160	203	181
65°	120	93	123	108	120	120
75°	56	46	58	54	56	60
85°	11	12	12	9	11	13
90°	1	39	1	39	1	6
95°	93	62	93	62	93	110
105°	436	109	436	109	436	466
115°	825	118	825	118	825	812
125°	1167	1227	1167	1227	1167	1040
135°	1444	1491	1444	1491	1444	1115
145°	1674	1700	1674	1700	1674	1047
155°	1844	1845	1844	1845	1844	850
165°	1943	1938	1943	1938	1943	549
175°	1987	1976	1987	1976	1987	189
180°	1983	1983	1983	1983	1983	

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	575.1	576.4	578.6	579.0	583.4	586.9	590.9	590.9	592.2	591.8	588.3
5°	572.4	576.4	582.1	586.9	594.9	598.4	603.7	607.6	611.1	613.8	613.3
7.5°	568.0	575.1	583.4	592.7	603.2	609.4	616.8	623.9	628.7	633.1	636.2
10°	560.6	572.4	583.9	596.2	609.8	618.2	627.0	636.2	643.7	652.0	659.9
12.5°	550.5	567.6	581.7	597.9	614.6	623.9	637.9	645.0	659.5	680.6	686.3
15°	537.7	561.0	574.2	594.9	616.8	624.3	643.7	655.1	685.0	698.2	714.0
17.5°	525.8	551.8	569.4	593.1	614.6	629.2	648.1	671.4	696.4	715.3	732.9
20°	516.2	541.2	562.3	588.7	616.0	634.4	654.2	682.4	709.6	729.0	742.6
22.5°	494.2	526.3	550.9	580.4	613.3	638.8	657.7	688.5	718.0	729.8	741.7
25°	483.2	510.9	539.5	572.9	611.6	641.9	658.2	692.5	718.4	722.8	725.4
27.5°	463.0	494.2	527.6	565.8	611.1	636.6	657.3	688.5	709.2	706.1	698.2
30°	437.9	476.2	513.1	554.4	605.0	632.7	652.0	680.6	691.1	675.3	661.2
32.5°	419.4	455.5	496.4	544.3	597.9	624.3	643.2	665.6	667.8	639.3	615.5
35°	394.4	434.4	480.5	531.1	586.1	609.8	627.4	641.0	630.5	590.5	562.3
37.5°	372.0	411.5	460.8	512.2	569.8	593.1	607.2	609.4	583.4	548.3	506.9
40°	347.3	388.2	439.7	493.7	551.8	572.0	580.8	574.2	536.8	495.9	448.0
42.5°	322.7	363.2	418.6	474.0	528.9	546.1	549.6	531.5	485.8	437.9	382.5
45°	295.9	338.1	393.5	449.3	502.5	512.2	512.6	486.7	432.6	382.5	331.1
47.5°	273.9	313.0	368.0	423.8	468.7	475.3	472.6	442.7	383.8	327.5	282.7
50°	249.7	287.1	341.6	396.6	434.8	436.6	430.0	387.3	329.7	278.3	242.7
52.5°	223.8	261.6	311.7	364.5	398.8	396.1	383.4	337.7	283.6	240.9	213.7
55°	203.1	236.5	283.6	335.0	359.2	351.7	337.7	291.1	248.4	212.4	188.6
57.5°	180.3	209.7	255.9	300.7	314.8	307.8	293.7	250.2	210.6	183.3	167.5
60°	158.7	185.5	226.0	263.4	274.3	266.9	250.6	211.5	182.9	160.0	148.2
62.5°	138.9	162.2	196.1	230.4	234.8	227.3	213.2	181.6	157.0	138.9	130.1
65°	120.5	142.4	169.7	195.6	199.6	191.7	177.2	154.3	133.7	122.2	113.9
67.5°	102.4	120.0	144.2	163.1	165.3	157.8	146.0	127.5	114.8	102.4	96.3
70°	86.6	99.8	118.7	134.1	135.0	127.9	121.8	105.1	95.4	86.6	81.8
72.5°	71.2	80.5	95.0	106.4	106.8	102.4	96.7	86.2	77.8	71.7	66.8
75°	56.3	64.2	73.0	83.1	82.7	79.1	74.7	68.1	61.1	57.2	55.0
77.5°	43.1	47.9	55.0	61.6	61.6	59.8	57.2	52.3	47.9	44.0	41.8
80°	30.8	33.9	39.6	41.8	42.6	42.2	40.0	36.5	34.7	31.7	30.8
82.5°	19.8	22.0	24.6	26.8	28.1	27.3	26.8	25.1	22.4	21.5	20.7
85°	11.4	12.3	13.6	14.9	15.4	14.9	15.8	14.5	13.2	13.2	12.8
87.5°	4.8	5.3	6.2	6.2	6.6	6.6	6.2	6.6	6.6	6.2	5.7
90°	1.4	4.9	8.4	11.9	15.4	17.2	18.5	21.0	23.6	26.1	28.7
92.5°	35.9	34.6	33.3	32.0	30.7	30.1	30.6	31.5	32.5	33.4	34.4
95°	93.3	82.8	72.2	61.7	51.2	45.9	47.0	49.3	51.5	53.8	56.0
97.5°	167.9	141.7	115.6	89.4	63.3	50.2	52.8	57.9	63.0	68.1	73.2
100°	254.0	210.3	166.6	122.9	79.2	57.4	60.1	65.5	71.0	76.4	81.8
102.5°	348.7	348.1	347.4	346.8	346.1	345.8	316.8	258.8	200.7	142.7	84.7
105°	436.2	445.8	455.4	464.9	474.5	479.3	435.8	348.7	261.6	174.6	87.5
107.5°	538.1	546.1	554.1	562.0	570.0	574.0	520.3	412.8	305.3	197.9	90.4
110°	635.7	642.4	649.1	655.8	662.5	665.8	619.7	527.6	435.4	343.3	251.1

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	727.5	733.2	739.0	744.7	750.4	753.3	750.6	745.2	739.7	734.3	728.9
115°	825.1	830.5	835.9	841.4	846.8	849.5	853.5	861.4	869.4	877.3	885.3
117.5°	909.7	916.1	922.5	928.8	935.2	938.4	941.1	946.5	952.0	957.4	962.8
120°	1004.4	1009.2	1014.0	1018.7	1023.5	1025.9	1028.8	1034.5	1040.3	1046.0	1051.8
122.5°	1084.8	1089.9	1095.0	1100.1	1105.2	1107.7	1110.9	1117.3	1123.6	1130.0	1136.4
125°	1166.6	1170.7	1174.9	1179.0	1183.1	1185.2	1188.2	1194.3	1200.4	1206.4	1212.5
127.5°	1241.2	1245.7	1250.1	1254.6	1259.1	1261.3	1263.7	1268.5	1273.2	1278.0	1282.8
130°	1311.5	1316.6	1321.7	1326.8	1331.9	1334.4	1336.2	1339.7	1343.2	1346.7	1350.2
132.5°	1383.2	1387.4	1391.5	1395.7	1399.8	1401.9	1403.7	1407.2	1410.7	1414.2	1417.7
135°	1443.5	1448.6	1453.7	1458.8	1463.9	1466.5	1467.9	1470.8	1473.7	1476.5	1479.4
137.5°	1506.6	1510.4	1514.3	1518.1	1522.0	1523.9	1525.5	1528.7	1531.8	1535.0	1538.2
140°	1568.3	1570.9	1573.4	1576.0	1578.5	1579.8	1581.6	1585.1	1588.6	1592.1	1595.6
142.5°	1620.0	1622.2	1624.4	1626.7	1628.9	1630.0	1632.1	1636.2	1640.4	1644.5	1648.7
145°	1674.5	1674.2	1673.9	1673.6	1673.3	1673.1	1675.8	1681.2	1686.7	1692.1	1697.5
147.5°	1721.9	1720.9	1720.0	1719.0	1718.1	1717.6	1720.3	1725.7	1731.2	1736.6	1742.0
150°	1767.8	1765.6	1763.3	1761.1	1758.8	1757.7	1760.3	1765.4	1770.5	1775.6	1780.7
152.5°	1806.5	1803.9	1801.4	1798.8	1796.3	1795.0	1797.4	1802.2	1807.0	1811.8	1816.6
155°	1843.8	1840.9	1838.1	1835.2	1832.3	1830.9	1832.8	1836.6	1840.5	1844.3	1848.1
157.5°	1874.0	1871.4	1868.9	1866.3	1863.8	1862.5	1863.9	1866.8	1869.7	1872.5	1875.4
160°	1899.8	1897.9	1896.0	1894.1	1892.2	1891.2	1892.2	1894.1	1896.0	1897.9	1899.8
162.5°	1922.8	1920.9	1918.9	1917.0	1915.1	1914.1	1914.9	1916.5	1918.1	1919.7	1921.3
165°	1942.8	1940.9	1939.0	1937.1	1935.2	1934.2	1934.7	1935.6	1936.6	1937.5	1938.5
167.5°	1958.6	1956.7	1954.8	1952.9	1951.0	1950.0	1950.5	1951.4	1952.4	1953.3	1954.3
170°	1971.5	1969.6	1967.7	1965.8	1963.9	1962.9	1963.2	1963.9	1964.5	1965.2	1965.8
172.5°	1980.1	1978.2	1976.3	1974.4	1972.5	1971.5	1971.8	1972.5	1973.1	1973.8	1974.4
175°	1987.3	1985.1	1982.9	1980.6	1978.4	1977.3	1977.6	1978.2	1978.9	1979.5	1980.1
177.5°	1990.2	1988.0	1985.7	1983.5	1981.2	1980.1	1980.3	1980.6	1980.9	1981.3	1981.6
180°	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	594.4	594.9	595.7	600.1	602.3	602.8	601.0	605.0	606.3	605.0	604.1
5°	622.6	625.2	630.5	636.2	635.7	636.2	638.8	641.5	642.3	638.8	640.1
7.5°	647.2	652.5	658.2	667.0	667.0	671.4	673.1	675.3	680.6	678.0	677.1
10°	675.3	682.4	692.9	707.0	707.4	711.8	716.2	723.2	725.4	723.7	724.6
12.5°	710.5	724.1	725.0	740.4	747.4	748.3	755.3	754.0	758.4	758.4	765.9
15°	725.9	747.0	758.9	773.8	778.2	772.9	778.6	784.8	785.2	785.2	784.8
17.5°	753.6	761.9	773.8	781.7	783.5	783.5	783.9	786.6	784.8	781.3	783.9
20°	759.3	762.8	767.2	766.3	767.2	762.8	758.4	754.0	754.5	752.3	758.9
22.5°	748.7	747.9	737.7	731.2	731.2	722.4	714.0	710.1	706.1	707.4	709.6
25°	722.4	708.7	696.4	686.7	684.6	670.5	659.0	655.5	648.9	654.2	655.1
27.5°	680.2	664.8	645.0	636.6	625.2	619.5	611.6	601.0	587.4	595.3	594.0
30°	634.9	612.0	595.7	575.5	557.5	556.2	541.2	523.6	516.6	516.6	520.6
32.5°	584.3	554.0	530.2	501.7	484.1	476.6	458.6	441.0	444.9	431.7	436.6
35°	525.4	485.4	455.5	427.8	414.6	405.8	382.5	372.8	362.3	356.1	367.6
37.5°	469.1	423.0	384.7	354.4	349.5	333.7	317.9	311.7	305.6	308.2	307.8
40°	400.5	359.6	325.3	301.6	293.3	285.8	275.2	267.8	263.8	266.0	266.4
42.5°	338.5	304.2	278.7	262.0	255.0	249.7	244.5	238.3	237.0	237.0	238.7
45°	290.6	262.5	245.3	231.7	227.7	223.8	219.8	217.2	216.3	214.6	215.9
47.5°	252.4	229.9	219.4	209.3	204.9	204.0	200.5	199.2	197.4	197.0	197.4
50°	220.3	206.2	196.5	190.8	187.7	186.4	184.7	182.0	181.1	183.3	182.5
52.5°	197.8	184.7	179.4	173.7	171.9	170.1	167.5	167.9	167.5	166.6	166.6
55°	175.4	167.1	161.8	157.4	157.0	155.2	153.0	152.1	151.7	150.8	152.1
57.5°	157.4	150.8	146.0	142.0	140.3	140.3	138.1	136.3	136.3	135.9	136.3
60°	139.4	132.8	129.7	125.7	124.4	124.0	122.7	121.8	120.5	120.5	120.5
62.5°	122.7	117.4	113.9	110.4	110.8	108.6	106.8	106.0	106.0	106.4	106.4
65°	106.8	103.3	98.9	95.8	95.0	94.5	93.6	93.2	91.9	92.8	92.8
67.5°	92.3	87.5	84.9	83.5	82.2	81.8	80.9	80.0	79.6	79.1	80.0
70°	77.8	73.9	71.7	70.8	69.5	69.0	68.6	67.3	67.7	68.1	68.6
72.5°	64.6	61.1	60.7	58.0	58.0	58.0	56.3	57.2	56.7	55.8	56.7
75°	51.0	49.2	48.4	47.0	47.5	47.0	46.6	45.3	45.3	45.7	46.2
77.5°	40.4	38.7	38.3	36.9	36.1	36.9	36.1	35.6	35.6	36.1	36.1
80°	29.9	29.0	27.7	27.7	27.7	27.3	27.3	27.3	26.8	26.4	26.8
82.5°	19.8	19.8	19.3	18.9	19.3	18.5	18.9	18.9	18.9	18.9	18.9
85°	12.8	12.3	12.3	11.9	11.9	11.9	12.3	11.4	11.4	11.9	11.9
87.5°	5.7	5.7	5.7	6.2	5.7	5.7	5.7	6.2	5.7	5.7	5.7
90°	30.3	31.9	33.5	35.1	35.9	36.2	36.8	37.5	38.1	38.7	38.1
92.5°	35.0	35.7	36.3	37.0	37.3	37.5	37.8	38.1	38.4	38.7	38.4
95°	57.6	59.2	60.7	62.3	63.1	62.9	62.6	62.3	62.0	61.7	62.0
97.5°	74.2	75.1	76.1	77.0	77.5	77.7	78.0	78.3	78.6	78.9	78.6
100°	84.4	86.9	89.5	92.0	93.3	93.6	94.2	94.9	95.5	96.1	95.5
102.5°	88.2	91.7	95.2	98.7	100.4	100.9	101.8	102.8	103.7	104.7	103.7
105°	91.0	94.5	98.0	101.5	103.3	103.9	105.2	106.5	107.8	109.1	107.8
107.5°	93.9	97.4	100.9	104.4	106.2	106.8	108.1	109.4	110.6	111.9	110.6
110°	219.2	187.3	155.4	123.5	107.6	108.2	109.5	110.8	112.1	113.4	112.1

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	591.5	454.1	316.6	179.2	110.5	111.0	111.9	112.9	113.8	114.8	113.8
115°	737.7	590.1	442.4	294.8	221.0	209.5	186.6	163.6	140.7	117.7	140.7
117.5°	917.2	871.6	826.0	780.4	757.6	715.8	632.3	548.8	465.2	381.7	465.2
120°	1055.6	1059.4	1063.3	1067.1	1069.0	1047.5	1004.4	961.4	918.3	875.3	918.3
122.5°	1138.3	1140.2	1142.1	1144.0	1145.0	1145.2	1145.5	1145.8	1146.2	1146.5	1146.2
125°	1214.7	1216.9	1219.2	1221.4	1222.5	1223.0	1223.9	1224.9	1225.8	1226.8	1225.8
127.5°	1286.0	1289.2	1292.3	1295.5	1297.1	1297.3	1297.6	1297.9	1298.3	1298.6	1298.3
130°	1353.7	1357.2	1360.7	1364.2	1366.0	1365.8	1365.5	1365.2	1364.9	1364.6	1364.9
132.5°	1420.6	1423.4	1426.3	1429.2	1430.6	1430.4	1430.1	1429.8	1429.4	1429.1	1429.4
135°	1482.6	1485.8	1488.9	1492.1	1493.7	1493.4	1492.7	1492.1	1491.4	1490.8	1491.4
137.5°	1541.4	1544.6	1547.8	1551.0	1552.6	1552.1	1551.1	1550.2	1549.2	1548.2	1549.2
140°	1598.5	1601.3	1604.2	1607.1	1608.5	1607.7	1606.1	1604.5	1602.9	1601.3	1602.9
142.5°	1651.3	1653.8	1656.4	1658.9	1660.2	1659.4	1657.8	1656.2	1654.6	1653.0	1654.6
145°	1699.7	1701.9	1704.2	1706.4	1707.5	1706.7	1705.1	1703.5	1701.9	1700.3	1701.9
147.5°	1743.6	1745.2	1746.7	1748.3	1749.1	1748.5	1747.2	1745.9	1744.7	1743.4	1744.7
150°	1782.6	1784.5	1786.4	1788.3	1789.3	1788.5	1786.9	1785.3	1783.7	1782.1	1783.7
152.5°	1818.5	1820.4	1822.3	1824.2	1825.2	1824.1	1821.8	1819.6	1817.3	1815.1	1817.3
155°	1850.0	1851.9	1853.8	1855.7	1856.7	1855.4	1852.9	1850.4	1847.8	1845.3	1847.8
157.5°	1877.6	1879.8	1882.1	1884.3	1885.4	1884.1	1881.6	1879.1	1876.5	1874.0	1876.5
160°	1901.7	1903.6	1905.5	1907.4	1908.4	1907.3	1905.1	1902.8	1900.6	1898.4	1900.6
162.5°	1923.5	1925.8	1928.0	1930.3	1931.4	1930.0	1927.1	1924.2	1921.3	1918.4	1921.3
165°	1940.7	1943.0	1945.2	1947.5	1948.6	1947.5	1945.2	1943.0	1940.7	1938.5	1940.7
167.5°	1956.5	1958.8	1961.0	1963.3	1964.4	1963.0	1960.1	1957.2	1954.3	1951.4	1954.3
170°	1968.0	1970.2	1972.5	1974.7	1975.8	1974.4	1971.5	1968.6	1965.8	1962.9	1965.8
172.5°	1976.6	1978.9	1981.1	1983.4	1984.5	1983.1	1980.2	1977.3	1974.4	1971.5	1974.4
175°	1982.3	1984.6	1986.8	1989.1	1990.2	1988.6	1985.4	1982.2	1979.0	1975.8	1979.0
177.5°	1983.8	1986.0	1988.3	1990.5	1991.6	1990.2	1987.3	1984.4	1981.6	1978.7	1981.6
180°	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	606.3	603.2	600.6	601.0	603.2	601.5	597.1	591.3	589.1	586.5	589.1
5°	642.8	640.1	634.9	635.3	634.0	632.2	625.2	616.4	616.4	609.4	608.5
7.5°	678.8	674.9	671.4	670.5	665.6	662.1	656.0	643.7	638.8	630.5	625.6
10°	719.3	716.2	712.2	707.4	704.8	698.6	688.5	670.5	661.7	650.3	641.9
12.5°	760.2	759.7	750.9	741.3	740.8	731.2	724.1	699.9	688.1	672.7	652.9
15°	786.1	783.9	779.1	774.2	775.6	765.0	749.2	720.6	712.7	694.2	673.1
17.5°	785.7	785.7	784.4	783.5	782.2	779.1	770.3	751.4	738.6	715.3	695.5
20°	760.6	766.3	767.6	767.2	771.6	773.8	773.4	761.5	751.4	730.7	710.5
22.5°	710.5	723.7	729.4	732.9	742.1	747.0	758.4	754.0	751.4	736.0	718.8
25°	663.9	668.3	685.4	686.3	699.1	710.9	722.4	729.8	739.5	733.8	719.3
27.5°	603.7	613.8	626.1	635.3	637.9	662.1	681.0	695.1	717.1	718.8	714.0
30°	535.5	540.3	560.6	572.9	586.9	604.5	631.8	656.0	675.8	693.8	699.9
32.5°	452.4	472.2	484.1	499.0	511.3	542.5	576.0	607.2	630.0	660.4	673.6
35°	376.3	391.7	412.0	418.1	440.5	466.9	510.4	550.5	585.2	616.0	642.8
37.5°	313.5	325.8	347.3	357.0	370.2	404.0	440.5	490.2	532.0	569.8	603.2
40°	270.4	279.6	295.9	299.0	310.0	340.7	370.2	416.8	472.2	523.2	559.7
42.5°	240.9	245.3	256.3	260.3	267.3	288.0	314.4	358.3	409.8	462.5	514.0
45°	219.8	222.9	229.5	233.0	241.8	251.0	272.6	307.8	348.2	401.4	456.8
47.5°	200.9	204.9	207.5	209.7	214.6	224.7	238.7	264.7	303.4	352.2	405.8
50°	185.1	186.4	191.3	191.7	194.8	201.4	214.6	230.4	261.2	300.7	352.6
52.5°	169.3	170.6	173.7	176.7	178.1	183.3	192.1	205.3	228.2	259.4	305.6
55°	153.4	155.2	158.3	160.5	161.8	166.2	171.5	184.2	202.2	224.2	262.0
57.5°	137.6	141.6	142.4	143.8	146.0	150.8	155.6	163.1	177.2	197.4	225.1
60°	122.7	124.0	127.1	128.4	130.6	133.2	139.4	145.1	155.2	171.0	196.1
62.5°	107.3	110.4	111.7	113.0	114.8	117.8	121.8	127.9	136.7	149.5	169.3
65°	94.1	94.5	97.2	98.9	100.7	102.9	106.8	112.6	117.8	129.7	144.2
67.5°	81.3	82.2	83.1	84.9	87.1	89.3	92.8	95.8	102.4	110.4	121.8
70°	69.0	69.0	71.2	72.5	72.1	74.7	77.4	80.9	85.7	93.2	102.4
72.5°	58.0	57.6	59.4	59.8	60.7	62.4	64.2	67.7	70.3	76.1	83.1
75°	46.2	47.0	47.9	47.9	49.2	50.6	52.3	54.1	57.2	60.7	65.9
77.5°	36.5	36.5	37.4	37.8	39.1	38.7	40.4	42.2	44.4	47.5	51.4
80°	26.8	27.7	27.7	27.7	28.1	28.6	30.3	31.7	33.0	35.2	36.9
82.5°	18.9	18.9	19.8	19.8	19.8	20.7	20.7	21.1	22.0	23.3	24.6
85°	11.9	11.9	11.9	12.3	11.9	12.3	13.2	12.8	13.2	14.1	14.1
87.5°	5.7	5.7	5.7	5.7	5.7	6.2	5.7	6.2	6.6	6.6	6.6
90°	37.5	36.8	36.2	35.9	35.1	33.5	31.9	30.3	28.7	26.1	23.6
92.5°	38.1	37.8	37.5	37.3	37.0	36.3	35.7	35.0	34.4	33.4	32.5
95°	62.3	62.6	62.9	63.1	62.3	60.7	59.2	57.6	56.0	53.8	51.5
97.5°	78.3	78.0	77.7	77.5	77.0	76.1	75.1	74.2	73.2	68.1	63.0
100°	94.9	94.2	93.6	93.3	92.0	89.5	86.9	84.4	81.8	76.4	71.0
102.5°	102.8	101.8	100.9	100.4	98.7	95.2	91.7	88.2	84.7	142.7	200.7
105°	106.5	105.2	103.9	103.3	101.5	98.0	94.5	91.0	87.5	174.6	261.6
107.5°	109.4	108.1	106.8	106.2	104.4	100.9	97.4	93.9	90.4	197.9	305.3
110°	110.8	109.5	108.2	107.6	123.5	155.4	187.3	219.2	251.1	343.3	435.4

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	112.9	111.9	111.0	110.5	179.2	316.6	454.1	591.5	728.9	734.3	739.7
115°	163.6	186.6	209.5	221.0	294.8	442.4	590.1	737.7	885.3	877.3	869.4
117.5°	548.8	632.3	715.8	757.6	780.4	826.0	871.6	917.2	962.8	957.4	952.0
120°	961.4	1004.4	1047.5	1069.0	1067.1	1063.3	1059.4	1055.6	1051.8	1046.0	1040.3
122.5°	1145.8	1145.5	1145.2	1145.0	1144.0	1142.1	1140.2	1138.3	1136.4	1130.0	1123.6
125°	1224.9	1223.9	1223.0	1222.5	1221.4	1219.2	1216.9	1214.7	1212.5	1206.4	1200.4
127.5°	1297.9	1297.6	1297.3	1297.1	1295.5	1292.3	1289.2	1286.0	1282.8	1278.0	1273.2
130°	1365.2	1365.5	1365.8	1366.0	1364.2	1360.7	1357.2	1353.7	1350.2	1346.7	1343.2
132.5°	1429.8	1430.1	1430.4	1430.6	1429.2	1426.3	1423.4	1420.6	1417.7	1414.2	1410.7
135°	1492.1	1492.7	1493.4	1493.7	1492.1	1488.9	1485.8	1482.6	1479.4	1476.5	1473.7
137.5°	1550.2	1551.1	1552.1	1552.6	1551.0	1547.8	1544.6	1541.4	1538.2	1535.0	1531.8
140°	1604.5	1606.1	1607.7	1608.5	1607.1	1604.2	1601.3	1598.5	1595.6	1592.1	1588.6
142.5°	1656.2	1657.8	1659.4	1660.2	1658.9	1656.4	1653.8	1651.3	1648.7	1644.5	1640.4
145°	1703.5	1705.1	1706.7	1707.5	1706.4	1704.2	1701.9	1699.7	1697.5	1692.1	1686.7
147.5°	1745.9	1747.2	1748.5	1749.1	1748.3	1746.7	1745.2	1743.6	1742.0	1736.6	1731.2
150°	1785.3	1786.9	1788.5	1789.3	1788.3	1786.4	1784.5	1782.6	1780.7	1775.6	1770.5
152.5°	1819.6	1821.8	1824.1	1825.2	1824.2	1822.3	1820.4	1818.5	1816.6	1811.8	1807.0
155°	1850.4	1852.9	1855.4	1856.7	1855.7	1853.8	1851.9	1850.0	1848.1	1844.3	1840.5
157.5°	1879.1	1881.6	1884.1	1885.4	1884.3	1882.1	1879.8	1877.6	1875.4	1872.5	1869.7
160°	1902.8	1905.1	1907.3	1908.4	1907.4	1905.5	1903.6	1901.7	1899.8	1897.9	1896.0
162.5°	1924.2	1927.1	1930.0	1931.4	1930.3	1928.0	1925.8	1923.5	1921.3	1919.7	1918.1
165°	1943.0	1945.2	1947.5	1948.6	1947.5	1945.2	1943.0	1940.7	1938.5	1937.5	1936.6
167.5°	1957.2	1960.1	1963.0	1964.4	1963.3	1961.0	1958.8	1956.5	1954.3	1953.3	1952.4
170°	1968.6	1971.5	1974.4	1975.8	1974.7	1972.5	1970.2	1968.0	1965.8	1965.2	1964.5
172.5°	1977.3	1980.2	1983.1	1984.5	1983.4	1981.1	1978.9	1976.6	1974.4	1973.8	1973.1
175°	1982.2	1985.4	1988.6	1990.2	1989.1	1986.8	1984.6	1982.3	1980.1	1979.5	1978.9
177.5°	1984.4	1987.3	1990.2	1991.6	1990.5	1988.3	1986.0	1983.8	1981.6	1981.3	1980.9
180°	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	586.9	584.7	583.4	584.3	581.7	575.1	575.1	577.3	574.6	572.0	568.0
5°	603.2	598.8	596.2	595.7	589.6	579.0	576.8	574.6	568.9	562.8	556.2
7.5°	619.0	611.1	606.7	603.7	594.9	581.2	575.5	570.7	561.4	552.2	543.9
10°	632.2	620.8	615.5	610.7	599.3	582.1	572.9	564.1	552.2	540.3	529.8
12.5°	642.8	629.6	623.0	616.0	601.9	579.5	568.0	554.0	542.1	526.3	515.7
15°	660.4	633.1	627.0	620.4	605.9	575.1	561.0	545.2	528.9	507.8	496.4
17.5°	674.4	637.9	637.5	623.4	604.5	573.3	551.8	531.1	513.5	492.4	474.4
20°	682.8	645.4	638.4	623.9	600.1	561.4	539.0	516.2	497.3	471.8	453.7
22.5°	689.8	656.0	637.5	619.9	590.9	557.5	524.5	503.0	477.0	449.3	432.2
25°	692.5	658.2	638.8	618.6	584.3	546.1	508.7	485.4	456.4	431.3	408.0
27.5°	692.9	657.7	634.0	612.9	575.1	531.1	492.9	468.2	436.1	407.1	383.8
30°	688.5	652.9	631.4	608.5	566.3	517.5	473.5	446.3	412.0	382.9	358.8
32.5°	675.3	643.2	625.6	600.6	554.9	498.6	455.0	424.7	388.7	360.1	336.8
35°	653.3	631.4	612.0	588.7	539.9	481.0	436.6	401.0	364.5	337.2	315.2
37.5°	626.1	614.2	596.2	573.3	522.8	465.2	415.9	376.3	339.9	313.5	291.9
40°	589.1	592.2	574.6	554.0	502.5	443.6	389.1	351.3	317.0	292.4	271.3
42.5°	549.1	561.9	551.8	532.0	480.1	419.9	369.3	327.5	294.1	268.6	251.0
45°	506.0	528.0	521.9	507.4	456.8	394.8	341.2	300.7	271.3	246.6	231.3
47.5°	459.0	490.2	490.2	479.7	430.9	369.8	317.0	275.7	246.6	229.1	214.1
50°	411.1	446.3	452.0	444.9	401.8	341.2	287.5	250.2	225.1	208.0	197.0
52.5°	361.0	401.8	412.4	408.9	371.1	313.9	263.4	226.9	204.0	189.1	179.4
55°	313.0	360.5	372.0	373.3	338.1	284.0	236.5	204.4	182.5	172.3	164.0
57.5°	267.8	313.5	326.2	328.4	304.7	256.8	211.5	183.3	163.6	155.2	148.6
60°	229.1	267.3	284.0	288.9	268.2	225.1	188.2	160.9	146.0	138.1	131.9
62.5°	197.4	228.2	245.8	247.1	237.9	197.4	164.0	141.1	128.4	121.3	118.3
65°	166.6	194.3	204.9	210.2	202.7	171.0	141.6	122.7	112.6	106.4	103.3
67.5°	142.0	159.6	168.4	175.4	167.9	144.2	120.5	105.1	97.6	91.4	89.7
70°	116.5	131.0	137.6	144.6	138.1	120.0	102.9	88.8	82.2	77.4	75.2
72.5°	93.2	104.6	110.8	115.2	111.2	96.3	82.2	72.5	67.7	64.2	62.9
75°	73.9	81.8	85.3	88.4	86.6	75.2	66.4	58.5	54.1	51.0	50.1
77.5°	56.3	62.0	65.9	66.8	64.6	57.2	49.7	44.8	41.3	39.6	38.7
80°	40.0	43.5	45.7	47.0	44.8	41.8	36.5	33.0	29.9	27.7	27.3
82.5°	26.8	28.6	30.3	29.9	29.0	26.4	23.3	21.5	20.2	18.5	18.5
85°	15.4	15.8	16.7	17.1	16.7	14.9	13.2	12.3	11.4	10.1	10.1
87.5°	6.6	7.0	7.0	7.5	6.6	6.6	5.7	4.8	4.8	4.4	4.0
90°	21.0	18.5	17.2	15.4	11.9	8.4	4.9	1.4	4.9	8.4	11.9
92.5°	31.5	30.6	30.1	30.7	32.0	33.3	34.6	35.9	34.6	33.3	32.0
95°	49.3	47.0	45.9	51.2	61.7	72.2	82.8	93.3	82.8	72.2	61.7
97.5°	57.9	52.8	50.2	63.3	89.4	115.6	141.7	167.9	141.7	115.6	89.4
100°	65.5	60.1	57.4	79.2	122.9	166.6	210.3	254.0	210.3	166.6	122.9
102.5°	258.8	316.8	345.8	346.1	346.8	347.4	348.1	348.7	348.1	347.4	346.8
105°	348.7	435.8	479.3	474.5	464.9	455.4	445.8	436.2	445.8	455.4	464.9
107.5°	412.8	520.3	574.0	570.0	562.0	554.1	546.1	538.1	546.1	554.1	562.0
110°	527.6	619.7	665.8	662.5	655.8	649.1	642.4	635.7	642.4	649.1	655.8

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	745.2	750.6	753.3	750.4	744.7	739.0	733.2	727.5	733.2	739.0	744.7
115°	861.4	853.5	849.5	846.8	841.4	835.9	830.5	825.1	830.5	835.9	841.4
117.5°	946.5	941.1	938.4	935.2	928.8	922.5	916.1	909.7	916.1	922.5	928.8
120°	1034.5	1028.8	1025.9	1023.5	1018.7	1014.0	1009.2	1004.4	1009.2	1014.0	1018.7
122.5°	1117.3	1110.9	1107.7	1105.2	1100.1	1095.0	1089.9	1084.8	1089.9	1095.0	1100.1
125°	1194.3	1188.2	1185.2	1183.1	1179.0	1174.9	1170.7	1166.6	1170.7	1174.9	1179.0
127.5°	1268.5	1263.7	1261.3	1259.1	1254.6	1250.1	1245.7	1241.2	1245.7	1250.1	1254.6
130°	1339.7	1336.2	1334.4	1331.9	1326.8	1321.7	1316.6	1311.5	1316.6	1321.7	1326.8
132.5°	1407.2	1403.7	1401.9	1399.8	1395.7	1391.5	1387.4	1383.2	1387.4	1391.5	1395.7
135°	1470.8	1467.9	1466.5	1463.9	1458.8	1453.7	1448.6	1443.5	1448.6	1453.7	1458.8
137.5°	1528.7	1525.5	1523.9	1522.0	1518.1	1514.3	1510.4	1506.6	1510.4	1514.3	1518.1
140°	1585.1	1581.6	1579.8	1578.5	1576.0	1573.4	1570.9	1568.3	1570.9	1573.4	1576.0
142.5°	1636.2	1632.1	1630.0	1628.9	1626.7	1624.4	1622.2	1620.0	1622.2	1624.4	1626.7
145°	1681.2	1675.8	1673.1	1673.3	1673.6	1673.9	1674.2	1674.5	1674.2	1673.9	1673.6
147.5°	1725.7	1720.3	1717.6	1718.1	1719.0	1720.0	1720.9	1721.9	1720.9	1720.0	1719.0
150°	1765.4	1760.3	1757.7	1758.8	1761.1	1763.3	1765.6	1767.8	1765.6	1763.3	1761.1
152.5°	1802.2	1797.4	1795.0	1796.3	1798.8	1801.4	1803.9	1806.5	1803.9	1801.4	1798.8
155°	1836.6	1832.8	1830.9	1832.3	1835.2	1838.1	1840.9	1843.8	1840.9	1838.1	1835.2
157.5°	1866.8	1863.9	1862.5	1863.8	1866.3	1868.9	1871.4	1874.0	1871.4	1868.9	1866.3
160°	1894.1	1892.2	1891.2	1892.2	1894.1	1896.0	1897.9	1899.8	1897.9	1896.0	1894.1
162.5°	1916.5	1914.9	1914.1	1915.1	1917.0	1918.9	1920.9	1922.8	1920.9	1918.9	1917.0
165°	1935.6	1934.7	1934.2	1935.2	1937.1	1939.0	1940.9	1942.8	1940.9	1939.0	1937.1
167.5°	1951.4	1950.5	1950.0	1951.0	1952.9	1954.8	1956.7	1958.6	1956.7	1954.8	1952.9
170°	1963.9	1963.2	1962.9	1963.9	1965.8	1967.7	1969.6	1971.5	1969.6	1967.7	1965.8
172.5°	1972.5	1971.8	1971.5	1972.5	1974.4	1976.3	1978.2	1980.1	1978.2	1976.3	1974.4
175°	1978.2	1977.6	1977.3	1978.4	1980.6	1982.9	1985.1	1987.3	1985.1	1982.9	1980.6
177.5°	1980.6	1980.3	1980.1	1981.2	1983.5	1985.7	1988.0	1990.2	1988.0	1985.7	1983.5
180°	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	565.8	568.0	567.6	563.2	558.4	554.4	546.9	547.8	545.2	545.6	548.3
5°	551.8	551.8	550.0	543.9	535.9	531.5	523.2	521.0	515.7	515.3	514.8
7.5°	536.8	534.6	532.4	523.6	514.0	506.9	495.5	492.9	487.6	484.1	482.3
10°	519.2	516.2	511.8	501.7	489.8	481.0	469.1	465.6	455.5	451.1	448.5
12.5°	499.9	498.1	491.1	482.7	463.4	453.7	436.6	440.1	430.0	421.2	419.9
15°	480.5	474.0	470.0	456.4	433.1	428.7	415.0	408.0	398.8	391.7	391.7
17.5°	461.6	451.5	442.7	428.2	411.1	398.8	388.7	385.1	373.7	366.7	365.4
20°	436.6	425.2	423.0	402.3	390.4	376.8	367.1	358.3	350.0	346.9	344.7
22.5°	412.8	399.7	396.1	378.5	366.7	353.0	343.4	337.2	331.1	328.9	324.9
25°	387.3	379.4	374.2	355.2	342.1	329.3	322.7	318.3	312.6	312.2	309.5
27.5°	362.7	355.2	350.0	331.9	322.3	310.4	305.1	300.3	297.2	295.9	294.6
30°	341.6	333.3	327.1	313.9	302.0	292.4	288.0	284.9	283.1	280.9	280.5
32.5°	318.3	313.5	305.1	295.0	285.8	276.5	273.9	271.7	269.1	268.2	267.8
35°	298.5	291.9	286.7	275.2	271.3	263.4	260.3	258.5	255.0	254.1	253.2
37.5°	279.2	273.0	267.3	260.3	252.8	248.4	246.6	244.0	242.3	242.7	241.8
40°	259.8	255.0	250.6	243.1	238.7	236.5	233.0	230.4	229.5	229.9	229.5
42.5°	240.9	236.5	233.9	228.2	223.8	221.6	219.4	216.8	218.1	218.1	219.4
45°	223.8	219.8	218.1	213.7	211.0	207.5	205.3	204.9	206.6	206.2	206.2
47.5°	206.2	204.9	202.7	198.7	195.2	193.0	192.6	192.6	194.3	195.2	194.8
50°	192.6	189.9	187.3	184.2	181.6	180.7	179.4	180.3	182.0	182.0	182.9
52.5°	175.4	173.7	172.8	170.1	168.4	168.4	168.4	168.8	170.1	171.5	171.0
55°	160.5	159.2	158.3	157.0	154.8	155.2	154.8	155.6	157.0	158.3	159.2
57.5°	144.6	144.2	143.3	141.1	141.1	140.7	142.0	142.4	144.6	145.5	146.8
60°	130.6	129.3	129.3	127.5	127.5	127.5	128.8	130.1	131.9	132.3	133.2
62.5°	115.6	115.6	115.2	113.9	113.9	115.2	115.6	117.4	118.3	118.3	119.6
65°	101.6	101.1	100.7	101.1	101.6	101.6	102.9	103.8	104.6	105.1	105.5
67.5°	87.5	87.1	87.9	87.5	88.4	90.1	89.7	91.0	92.3	92.3	92.8
70°	74.3	75.2	74.7	75.6	75.2	76.1	77.4	77.8	77.8	78.3	79.6
72.5°	62.0	62.0	62.0	61.6	62.0	62.9	63.8	64.2	65.1	65.5	66.8
75°	50.1	50.1	49.2	50.1	50.1	51.0	51.9	51.9	51.9	52.8	54.1
77.5°	37.8	38.3	37.8	38.7	38.7	39.1	40.0	39.6	40.4	40.9	41.3
80°	27.7	27.3	27.3	27.3	27.7	27.7	28.6	29.0	29.0	30.3	29.5
82.5°	17.6	18.0	17.6	18.0	18.0	18.5	18.0	18.5	18.9	19.8	19.3
85°	10.1	9.7	9.7	10.1	9.7	9.7	10.1	9.7	10.1	9.7	10.1
87.5°	4.0	3.5	3.5	3.5	3.5	3.1	3.1	2.6	2.6	2.6	2.2
90°	15.4	17.2	18.5	21.0	23.6	26.1	28.7	30.3	31.9	33.5	35.1
92.5°	30.7	30.1	30.6	31.5	32.5	33.4	34.4	35.0	35.7	36.3	37.0
95°	51.2	45.9	47.0	49.3	51.5	53.8	56.0	57.6	59.2	60.7	62.3
97.5°	63.3	50.2	52.8	57.9	63.0	68.1	73.2	74.2	75.1	76.1	77.0
100°	79.2	57.4	60.1	65.5	71.0	76.4	81.8	84.4	86.9	89.5	92.0
102.5°	346.1	345.8	316.8	258.8	200.7	142.7	84.7	88.2	91.7	95.2	98.7
105°	474.5	479.3	435.8	348.7	261.6	174.6	87.5	91.0	94.5	98.0	101.5
107.5°	570.0	574.0	520.3	412.8	305.3	197.9	90.4	93.9	97.4	100.9	104.4
110°	662.5	665.8	619.7	527.6	435.4	343.3	251.1	219.2	187.3	155.4	123.5

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	750.4	753.3	750.6	745.2	739.7	734.3	728.9	591.5	454.1	316.6	179.2
115°	846.8	849.5	853.5	861.4	869.4	877.3	885.3	737.7	590.1	442.4	294.8
117.5°	935.2	938.4	941.1	946.5	952.0	957.4	962.8	917.2	871.6	826.0	780.4
120°	1023.5	1025.9	1028.8	1034.5	1040.3	1046.0	1051.8	1055.6	1059.4	1063.3	1067.1
122.5°	1105.2	1107.7	1110.9	1117.3	1123.6	1130.0	1136.4	1138.3	1140.2	1142.1	1144.0
125°	1183.1	1185.2	1188.2	1194.3	1200.4	1206.4	1212.5	1214.7	1216.9	1219.2	1221.4
127.5°	1259.1	1261.3	1263.7	1268.5	1273.2	1278.0	1282.8	1286.0	1289.2	1292.3	1295.5
130°	1331.9	1334.4	1336.2	1339.7	1343.2	1346.7	1350.2	1353.7	1357.2	1360.7	1364.2
132.5°	1399.8	1401.9	1403.7	1407.2	1410.7	1414.2	1417.7	1420.6	1423.4	1426.3	1429.2
135°	1463.9	1466.5	1467.9	1470.8	1473.7	1476.5	1479.4	1482.6	1485.8	1488.9	1492.1
137.5°	1522.0	1523.9	1525.5	1528.7	1531.8	1535.0	1538.2	1541.4	1544.6	1547.8	1551.0
140°	1578.5	1579.8	1581.6	1585.1	1588.6	1592.1	1595.6	1598.5	1601.3	1604.2	1607.1
142.5°	1628.9	1630.0	1632.1	1636.2	1640.4	1644.5	1648.7	1651.3	1653.8	1656.4	1658.9
145°	1673.3	1673.1	1675.8	1681.2	1686.7	1692.1	1697.5	1699.7	1701.9	1704.2	1706.4
147.5°	1718.1	1717.6	1720.3	1725.7	1731.2	1736.6	1742.0	1743.6	1745.2	1746.7	1748.3
150°	1758.8	1757.7	1760.3	1765.4	1770.5	1775.6	1780.7	1782.6	1784.5	1786.4	1788.3
152.5°	1796.3	1795.0	1797.4	1802.2	1807.0	1811.8	1816.6	1818.5	1820.4	1822.3	1824.2
155°	1832.3	1830.9	1832.8	1836.6	1840.5	1844.3	1848.1	1850.0	1851.9	1853.8	1855.7
157.5°	1863.8	1862.5	1863.9	1866.8	1869.7	1872.5	1875.4	1877.6	1879.8	1882.1	1884.3
160°	1892.2	1891.2	1892.2	1894.1	1896.0	1897.9	1899.8	1901.7	1903.6	1905.5	1907.4
162.5°	1915.1	1914.1	1914.9	1916.5	1918.1	1919.7	1921.3	1923.5	1925.8	1928.0	1930.3
165°	1935.2	1934.2	1934.7	1935.6	1936.6	1937.5	1938.5	1940.7	1943.0	1945.2	1947.5
167.5°	1951.0	1950.0	1950.5	1951.4	1952.4	1953.3	1954.3	1956.5	1958.8	1961.0	1963.3
170°	1963.9	1962.9	1963.2	1963.9	1964.5	1965.2	1965.8	1968.0	1970.2	1972.5	1974.7
172.5°	1972.5	1971.5	1971.8	1972.5	1973.1	1973.8	1974.4	1976.6	1978.9	1981.1	1983.4
175°	1978.4	1977.3	1977.6	1978.2	1978.9	1979.5	1980.1	1982.3	1984.6	1986.8	1989.1
177.5°	1981.2	1980.1	1980.3	1980.6	1980.9	1981.3	1981.6	1983.8	1986.0	1988.3	1990.5
180°	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	545.2	546.5	543.4	542.5	543.4	540.3	541.2	542.1	542.1	543.4	544.3
5°	513.5	511.8	508.7	507.8	506.9	508.2	507.4	508.7	509.1	512.2	512.6
7.5°	482.3	479.7	477.0	474.4	473.5	471.3	473.5	473.5	476.6	475.7	477.9
10°	445.4	444.9	441.4	440.1	438.3	434.8	439.7	438.3	440.5	444.5	445.4
12.5°	418.1	413.3	415.5	409.3	411.5	408.0	408.4	408.4	412.0	412.4	411.5
15°	392.2	388.2	382.5	379.9	378.5	376.8	382.5	382.9	380.3	386.5	384.3
17.5°	365.8	365.8	360.5	359.2	355.7	357.4	356.6	357.0	356.1	360.5	362.7
20°	342.9	340.7	339.0	339.4	335.0	334.1	333.3	334.1	337.2	340.3	341.2
22.5°	324.5	323.1	318.8	319.6	316.1	317.4	316.6	318.8	319.2	319.2	322.3
25°	306.9	305.1	305.6	303.8	302.5	302.5	301.2	302.5	304.2	305.1	305.6
27.5°	293.7	292.4	290.2	288.9	289.7	287.5	289.3	290.6	290.6	289.7	290.6
30°	277.9	278.7	278.7	274.3	276.1	275.2	276.5	277.4	277.4	277.9	277.0
32.5°	267.3	264.7	264.2	263.8	263.8	262.0	262.0	263.4	263.8	264.2	265.6
35°	253.2	253.2	251.0	252.4	250.6	251.0	250.6	251.0	251.9	250.6	251.9
37.5°	240.5	240.9	240.1	240.9	241.4	240.5	239.6	241.4	240.5	240.5	239.6
40°	229.5	229.1	229.5	229.5	229.5	229.9	229.1	229.1	229.1	228.2	227.3
42.5°	220.3	217.6	218.5	219.0	217.6	217.6	218.1	217.6	219.0	216.3	216.3
45°	207.1	206.2	206.6	206.6	207.5	206.2	207.1	207.5	206.2	205.8	204.9
47.5°	195.2	196.1	195.2	196.1	196.1	197.0	195.2	195.6	196.1	194.3	193.0
50°	183.3	183.3	184.7	184.2	184.7	183.8	183.8	183.3	183.8	182.9	181.6
52.5°	172.3	171.0	173.2	172.8	172.3	171.9	171.5	171.9	171.0	170.1	170.1
55°	158.7	158.7	160.0	160.5	160.5	159.6	158.7	159.2	158.7	158.3	157.8
57.5°	147.7	146.0	146.8	147.3	147.3	146.0	146.8	146.0	146.0	146.4	145.1
60°	133.7	133.7	132.8	134.1	134.1	133.2	133.2	133.7	132.8	132.3	131.9
62.5°	118.7	119.1	120.5	120.9	121.3	120.5	119.6	120.0	120.0	118.7	119.1
65°	106.0	106.8	108.6	108.2	107.3	107.7	106.8	107.3	106.0	106.4	105.1
67.5°	93.6	93.2	93.6	93.6	94.5	94.1	93.2	93.2	92.8	94.1	92.8
70°	80.5	80.5	80.5	80.5	80.9	81.3	80.5	79.6	80.0	79.1	78.7
72.5°	66.8	67.3	66.8	67.7	66.4	67.3	67.3	66.8	66.4	66.4	66.4
75°	54.1	55.0	53.6	54.1	53.6	54.5	54.1	54.1	53.2	52.8	53.2
77.5°	41.3	41.8	40.9	41.3	40.9	41.3	41.3	40.9	40.9	40.9	40.9
80°	29.5	29.9	29.5	29.0	28.6	29.5	28.6	29.0	29.5	29.0	29.9
82.5°	18.9	18.9	18.5	18.9	18.0	18.0	18.5	18.5	18.0	18.9	18.0
85°	9.2	9.2	10.1	9.2	8.8	8.8	8.8	9.2	8.8	9.7	9.2
87.5°	2.2	1.8	2.2	2.2	1.8	1.8	2.2	1.8	2.2	2.6	1.8
90°	35.9	36.2	36.8	37.5	38.1	38.7	38.1	37.5	36.8	36.2	35.9
92.5°	37.3	37.5	37.8	38.1	38.4	38.7	38.4	38.1	37.8	37.5	37.3
95°	63.1	62.9	62.6	62.3	62.0	61.7	62.0	62.3	62.6	62.9	63.1
97.5°	77.5	77.7	78.0	78.3	78.6	78.9	78.6	78.3	78.0	77.7	77.5
100°	93.3	93.6	94.2	94.9	95.5	96.1	95.5	94.9	94.2	93.6	93.3
102.5°	100.4	100.9	101.8	102.8	103.7	104.7	103.7	102.8	101.8	100.9	100.4
105°	103.3	103.9	105.2	106.5	107.8	109.1	107.8	106.5	105.2	103.9	103.3
107.5°	106.2	106.8	108.1	109.4	110.6	111.9	110.6	109.4	108.1	106.8	106.2
110°	107.6	108.2	109.5	110.8	112.1	113.4	112.1	110.8	109.5	108.2	107.6

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	110.5	111.0	111.9	112.9	113.8	114.8	113.8	112.9	111.9	111.0	110.5
115°	221.0	209.5	186.6	163.6	140.7	117.7	140.7	163.6	186.6	209.5	221.0
117.5°	757.6	715.8	632.3	548.8	465.2	381.7	465.2	548.8	632.3	715.8	757.6
120°	1069.0	1047.5	1004.4	961.4	918.3	875.3	918.3	961.4	1004.4	1047.5	1069.0
122.5°	1145.0	1145.2	1145.5	1145.8	1146.2	1146.5	1146.2	1145.8	1145.5	1145.2	1145.0
125°	1222.5	1223.0	1223.9	1224.9	1225.8	1226.8	1225.8	1224.9	1223.9	1223.0	1222.5
127.5°	1297.1	1297.3	1297.6	1297.9	1298.3	1298.6	1298.3	1297.9	1297.6	1297.3	1297.1
130°	1366.0	1365.8	1365.5	1365.2	1364.9	1364.6	1364.9	1365.2	1365.5	1365.8	1366.0
132.5°	1430.6	1430.4	1430.1	1429.8	1429.4	1429.1	1429.4	1429.8	1430.1	1430.4	1430.6
135°	1493.7	1493.4	1492.7	1492.1	1491.4	1490.8	1491.4	1492.1	1492.7	1493.4	1493.7
137.5°	1552.6	1552.1	1551.1	1550.2	1549.2	1548.2	1549.2	1550.2	1551.1	1552.1	1552.6
140°	1608.5	1607.7	1606.1	1604.5	1602.9	1601.3	1602.9	1604.5	1606.1	1607.7	1608.5
142.5°	1660.2	1659.4	1657.8	1656.2	1654.6	1653.0	1654.6	1656.2	1657.8	1659.4	1660.2
145°	1707.5	1706.7	1705.1	1703.5	1701.9	1700.3	1701.9	1703.5	1705.1	1706.7	1707.5
147.5°	1749.1	1748.5	1747.2	1745.9	1744.7	1743.4	1744.7	1745.9	1747.2	1748.5	1749.1
150°	1789.3	1788.5	1786.9	1785.3	1783.7	1782.1	1783.7	1785.3	1786.9	1788.5	1789.3
152.5°	1825.2	1824.1	1821.8	1819.6	1817.3	1815.1	1817.3	1819.6	1821.8	1824.1	1825.2
155°	1856.7	1855.4	1852.9	1850.4	1847.8	1845.3	1847.8	1850.4	1852.9	1855.4	1856.7
157.5°	1885.4	1884.1	1881.6	1879.1	1876.5	1874.0	1876.5	1879.1	1881.6	1884.1	1885.4
160°	1908.4	1907.3	1905.1	1902.8	1900.6	1898.4	1900.6	1902.8	1905.1	1907.3	1908.4
162.5°	1931.4	1930.0	1927.1	1924.2	1921.3	1918.4	1921.3	1924.2	1927.1	1930.0	1931.4
165°	1948.6	1947.5	1945.2	1943.0	1940.7	1938.5	1940.7	1943.0	1945.2	1947.5	1948.6
167.5°	1964.4	1963.0	1960.1	1957.2	1954.3	1951.4	1954.3	1957.2	1960.1	1963.0	1964.4
170°	1975.8	1974.4	1971.5	1968.6	1965.8	1962.9	1965.8	1968.6	1971.5	1974.4	1975.8
172.5°	1984.5	1983.1	1980.2	1977.3	1974.4	1971.5	1974.4	1977.3	1980.2	1983.1	1984.5
175°	1990.2	1988.6	1985.4	1982.2	1979.0	1975.8	1979.0	1982.2	1985.4	1988.6	1990.2
177.5°	1991.6	1990.2	1987.3	1984.4	1981.6	1978.7	1981.6	1984.4	1987.3	1990.2	1991.6
180°	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0	572.0
2.5°	543.0	546.5	545.2	540.3	546.1	546.1	550.0	550.0	554.9	556.6	559.2
5°	512.2	514.8	517.0	514.8	518.8	525.0	528.5	531.5	538.1	540.8	544.7
7.5°	479.2	484.1	486.3	486.3	492.9	499.9	506.9	511.3	520.6	524.1	528.0
10°	447.1	452.8	457.2	456.8	467.8	472.2	481.0	491.1	500.3	505.6	511.3
12.5°	413.3	416.4	422.5	431.3	433.9	441.9	452.0	464.7	481.4	486.3	494.6
15°	385.1	393.5	398.3	402.3	408.4	415.9	426.9	439.2	455.9	466.5	475.3
17.5°	361.4	372.4	375.5	374.6	382.5	393.9	406.7	415.9	430.9	443.6	452.0
20°	342.1	346.5	351.7	353.9	360.1	372.4	384.7	395.3	407.6	417.7	427.3
22.5°	322.7	326.2	330.6	334.6	339.4	346.5	358.3	371.5	383.4	393.1	404.0
25°	306.9	309.1	313.0	316.1	321.4	326.2	334.6	349.1	363.2	368.9	378.5
27.5°	291.5	293.3	295.9	299.4	302.0	306.9	314.4	326.2	340.7	346.5	359.6
30°	277.9	279.2	281.8	283.6	284.9	290.6	296.3	305.6	316.6	324.5	334.1
32.5°	265.1	266.4	269.1	269.5	271.3	274.3	279.6	288.0	297.6	304.2	312.6
35°	251.0	251.9	254.6	255.4	256.8	259.4	263.4	269.5	278.3	283.1	290.6
37.5°	240.1	239.6	241.4	242.7	244.5	245.8	247.1	253.2	259.8	264.2	270.0
40°	228.2	227.3	227.7	229.5	230.4	232.1	232.1	238.3	242.7	246.2	250.6
42.5°	216.3	215.9	215.0	215.9	216.8	217.2	217.6	222.0	226.4	229.5	234.3
45°	204.4	204.0	203.1	203.6	203.6	204.4	205.8	207.5	210.6	213.2	215.9
47.5°	193.5	192.6	191.3	190.8	191.7	191.7	191.7	193.5	196.5	197.4	200.0
50°	182.0	180.7	178.9	178.1	178.1	177.6	178.5	178.9	181.6	182.5	184.7
52.5°	169.7	168.8	167.1	165.3	165.8	164.9	165.3	165.8	166.6	167.9	169.3
55°	157.4	155.6	154.3	153.9	152.6	152.6	151.2	153.0	152.6	153.0	154.8
57.5°	145.5	143.8	141.6	140.7	139.4	138.9	138.1	137.6	138.1	139.4	140.7
60°	131.5	130.6	129.3	127.9	127.1	125.7	124.9	124.9	124.4	124.4	124.9
62.5°	117.8	117.4	115.6	115.2	114.3	113.4	112.1	111.2	111.2	112.1	112.6
65°	104.6	104.2	102.9	102.4	100.2	99.4	98.9	98.5	97.6	97.6	97.6
67.5°	92.3	91.0	91.0	88.8	87.1	86.2	85.3	84.9	84.9	84.9	85.3
70°	78.7	78.7	77.4	76.1	74.3	74.7	73.4	72.1	72.1	71.2	71.7
72.5°	65.5	65.1	63.8	63.3	62.0	60.7	59.8	60.7	59.4	58.9	59.4
75°	52.8	52.3	51.4	50.6	51.0	49.7	48.4	47.9	47.9	47.0	47.0
77.5°	40.4	41.3	39.6	39.1	38.3	37.4	36.9	36.5	36.5	36.5	37.4
80°	28.1	28.6	28.6	27.7	28.1	26.8	26.8	26.8	25.5	25.9	26.4
82.5°	18.0	18.0	17.6	18.0	17.6	17.6	17.1	17.1	16.7	16.7	17.1
85°	10.1	9.7	9.2	10.1	9.7	9.7	9.2	9.2	9.2	9.2	9.2
87.5°	2.2	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.5	3.5	3.5
90°	35.1	33.5	31.9	30.3	28.7	26.1	23.6	21.0	18.5	17.2	15.4
92.5°	37.0	36.3	35.7	35.0	34.4	33.4	32.5	31.5	30.6	30.1	30.7
95°	62.3	60.7	59.2	57.6	56.0	53.8	51.5	49.3	47.0	45.9	51.2
97.5°	77.0	76.1	75.1	74.2	73.2	68.1	63.0	57.9	52.8	50.2	63.3
100°	92.0	89.5	86.9	84.4	81.8	76.4	71.0	65.5	60.1	57.4	79.2
102.5°	98.7	95.2	91.7	88.2	84.7	142.7	200.7	258.8	316.8	345.8	346.1
105°	101.5	98.0	94.5	91.0	87.5	174.6	261.6	348.7	435.8	479.3	474.5
107.5°	104.4	100.9	97.4	93.9	90.4	197.9	305.3	412.8	520.3	574.0	570.0
110°	123.5	155.4	187.3	219.2	251.1	343.3	435.4	527.6	619.7	665.8	662.5

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	179.2	316.6	454.1	591.5	728.9	734.3	739.7	745.2	750.6	753.3	750.4
115°	294.8	442.4	590.1	737.7	885.3	877.3	869.4	861.4	853.5	849.5	846.8
117.5°	780.4	826.0	871.6	917.2	962.8	957.4	952.0	946.5	941.1	938.4	935.2
120°	1067.1	1063.3	1059.4	1055.6	1051.8	1046.0	1040.3	1034.5	1028.8	1025.9	1023.5
122.5°	1144.0	1142.1	1140.2	1138.3	1136.4	1130.0	1123.6	1117.3	1110.9	1107.7	1105.2
125°	1221.4	1219.2	1216.9	1214.7	1212.5	1206.4	1200.4	1194.3	1188.2	1185.2	1183.1
127.5°	1295.5	1292.3	1289.2	1286.0	1282.8	1278.0	1273.2	1268.5	1263.7	1261.3	1259.1
130°	1364.2	1360.7	1357.2	1353.7	1350.2	1346.7	1343.2	1339.7	1336.2	1334.4	1331.9
132.5°	1429.2	1426.3	1423.4	1420.6	1417.7	1414.2	1410.7	1407.2	1403.7	1401.9	1399.8
135°	1492.1	1488.9	1485.8	1482.6	1479.4	1476.5	1473.7	1470.8	1467.9	1466.5	1463.9
137.5°	1551.0	1547.8	1544.6	1541.4	1538.2	1535.0	1531.8	1528.7	1525.5	1523.9	1522.0
140°	1607.1	1604.2	1601.3	1598.5	1595.6	1592.1	1588.6	1585.1	1581.6	1579.8	1578.5
142.5°	1658.9	1656.4	1653.8	1651.3	1648.7	1644.5	1640.4	1636.2	1632.1	1630.0	1628.9
145°	1706.4	1704.2	1701.9	1699.7	1697.5	1692.1	1686.7	1681.2	1675.8	1673.1	1673.3
147.5°	1748.3	1746.7	1745.2	1743.6	1742.0	1736.6	1731.2	1725.7	1720.3	1717.6	1718.1
150°	1788.3	1786.4	1784.5	1782.6	1780.7	1775.6	1770.5	1765.4	1760.3	1757.7	1758.8
152.5°	1824.2	1822.3	1820.4	1818.5	1816.6	1811.8	1807.0	1802.2	1797.4	1795.0	1796.3
155°	1855.7	1853.8	1851.9	1850.0	1848.1	1844.3	1840.5	1836.6	1832.8	1830.9	1832.3
157.5°	1884.3	1882.1	1879.8	1877.6	1875.4	1872.5	1869.7	1866.8	1863.9	1862.5	1863.8
160°	1907.4	1905.5	1903.6	1901.7	1899.8	1897.9	1896.0	1894.1	1892.2	1891.2	1892.2
162.5°	1930.3	1928.0	1925.8	1923.5	1921.3	1919.7	1918.1	1916.5	1914.9	1914.1	1915.1
165°	1947.5	1945.2	1943.0	1940.7	1938.5	1937.5	1936.6	1935.6	1934.7	1934.2	1935.2
167.5°	1963.3	1961.0	1958.8	1956.5	1954.3	1953.3	1952.4	1951.4	1950.5	1950.0	1951.0
170°	1974.7	1972.5	1970.2	1968.0	1965.8	1965.2	1964.5	1963.9	1963.2	1962.9	1963.9
172.5°	1983.4	1981.1	1978.9	1976.6	1974.4	1973.8	1973.1	1972.5	1971.8	1971.5	1972.5
175°	1989.1	1986.8	1984.6	1982.3	1980.1	1979.5	1978.9	1978.2	1977.6	1977.3	1978.4
177.5°	1990.5	1988.3	1986.0	1983.8	1981.6	1981.3	1980.9	1980.6	1980.3	1980.1	1981.2
180°	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	572.0	572.0	572.0	572.0
2.5°	561.4	561.4	568.0	575.1
5°	549.1	552.2	562.8	572.4
7.5°	537.3	542.5	555.7	568.0
10°	522.8	529.8	546.1	560.6
12.5°	508.7	515.3	534.2	550.5
15°	488.9	497.3	517.5	537.7
17.5°	469.1	477.5	502.1	525.8
20°	445.8	456.8	484.5	516.2
22.5°	424.3	437.9	468.7	494.2
25°	400.5	421.6	450.2	483.2
27.5°	379.4	400.5	429.5	463.0
30°	355.7	377.2	407.1	437.9
32.5°	332.8	352.6	381.6	419.4
35°	309.1	328.0	356.1	394.4
37.5°	287.5	306.0	336.8	372.0
40°	266.4	285.8	312.2	347.3
42.5°	246.6	263.8	287.5	322.7
45°	228.6	240.9	262.9	295.9
47.5°	209.7	220.7	240.9	273.9
50°	192.1	201.4	219.0	249.7
52.5°	175.0	182.9	199.2	223.8
55°	159.6	167.1	178.9	203.1
57.5°	143.8	149.5	160.9	180.3
60°	128.4	133.7	142.9	158.7
62.5°	113.0	117.4	126.2	138.9
65°	99.4	102.9	109.5	120.5
67.5°	86.2	88.4	93.6	102.4
70°	73.4	75.2	79.6	86.6
72.5°	59.8	61.6	66.4	71.2
75°	48.4	48.8	52.3	56.3
77.5°	37.8	37.4	40.0	43.1
80°	25.9	27.3	29.5	30.8
82.5°	17.6	18.0	18.9	19.8
85°	9.7	10.1	10.1	11.4
87.5°	4.0	4.4	4.4	4.8
90°	11.9	8.4	4.9	1.4
92.5°	32.0	33.3	34.6	35.9
95°	61.7	72.2	82.8	93.3
97.5°	89.4	115.6	141.7	167.9
100°	122.9	166.6	210.3	254.0
102.5°	346.8	347.4	348.1	348.7
105°	464.9	455.4	445.8	436.2
107.5°	562.0	554.1	546.1	538.1
110°	655.8	649.1	642.4	635.7

TEST NUMBER: P1029339

CATALOG NUMBER: S122DIW-B290D1440UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	744.7	739.0	733.2	727.5
115°	841.4	835.9	830.5	825.1
117.5°	928.8	922.5	916.1	909.7
120°	1018.7	1014.0	1009.2	1004.4
122.5°	1100.1	1095.0	1089.9	1084.8
125°	1179.0	1174.9	1170.7	1166.6
127.5°	1254.6	1250.1	1245.7	1241.2
130°	1326.8	1321.7	1316.6	1311.5
132.5°	1395.7	1391.5	1387.4	1383.2
135°	1458.8	1453.7	1448.6	1443.5
137.5°	1518.1	1514.3	1510.4	1506.6
140°	1576.0	1573.4	1570.9	1568.3
142.5°	1626.7	1624.4	1622.2	1620.0
145°	1673.6	1673.9	1674.2	1674.5
147.5°	1719.0	1720.0	1720.9	1721.9
150°	1761.1	1763.3	1765.6	1767.8
152.5°	1798.8	1801.4	1803.9	1806.5
155°	1835.2	1838.1	1840.9	1843.8
157.5°	1866.3	1868.9	1871.4	1874.0
160°	1894.1	1896.0	1897.9	1899.8
162.5°	1917.0	1918.9	1920.9	1922.8
165°	1937.1	1939.0	1940.9	1942.8
167.5°	1952.9	1954.8	1956.7	1958.6
170°	1965.8	1967.7	1969.6	1971.5
172.5°	1974.4	1976.3	1978.2	1980.1
175°	1980.6	1982.9	1985.1	1987.3
177.5°	1983.5	1985.7	1988.0	1990.2
180°	1983.0	1983.0	1983.0	1983.0

(END OF REPORT)