

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: P1000580

Luminaire Tested: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000580
REPORT IS A COMBINATION OF REPORTS P995190 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K
Description: Define 4 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

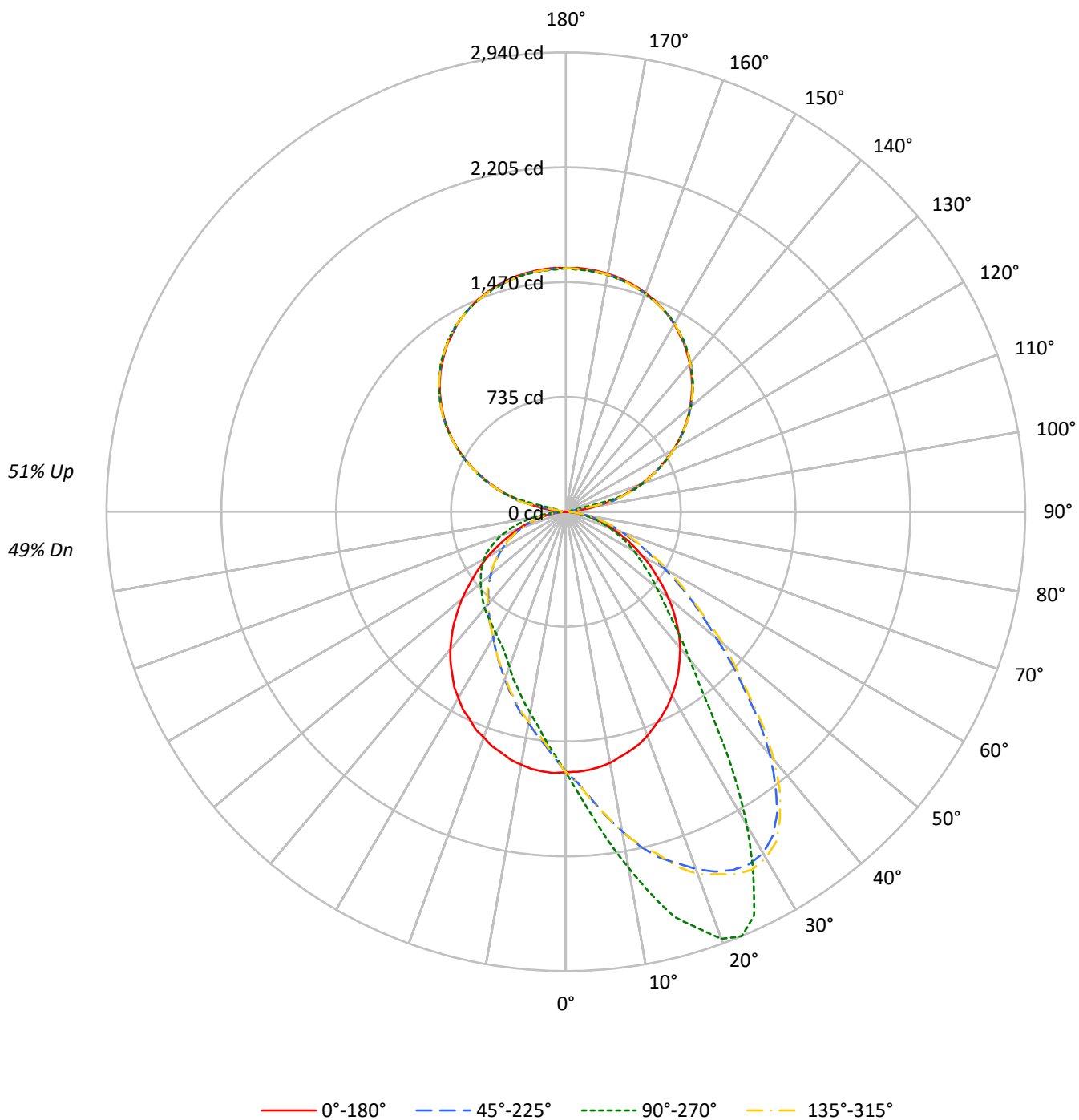
Lumens per Lamp: N/A
Luminaire Lumens: 9425.0 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 81.8
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: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1000580

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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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55			49
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47			42
2	89	82	76	71	82	76	70	66	64	60	57	53	51	48	43	41	40			35
3	81	72	65	59	75	67	61	55	57	52	48	47	44	41	39	36	34			30
4	75	64	56	50	69	59	52	47	50	45	41	42	38	35	35	32	30			26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26			23
6	63	51	43	38	58	48	41	35	41	35	31	34	30	27	28	25	23			20
7	58	46	38	33	54	43	36	31	37	32	28	31	27	24	26	23	20			18
8	54	42	34	29	50	39	32	28	34	28	24	29	24	21	24	21	18			16
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17			14
10	47	35	28	23	44	33	27	22	29	23	20	24	20	17	21	17	15			13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13585	13585	13585	13585
5°	13550	15585	13630	11711
10°	13449	18182	13551	10274
15°	13288	20961	13380	9193
20°	13115	22729	13211	8242
25°	12865	22470	12988	7541
30°	12619	18571	12773	7179
35°	12274	13839	12409	6960
40°	11872	10425	11987	6852
45°	11259	8368	11398	6706
50°	10525	7050	10678	6638
55°	9662	6135	9815	6560
60°	8824	5403	9084	6451
65°	8038	4649	8115	6182
70°	7112	3825	7266	5692
75°	6204	2939	6164	4836
80°	4882	1931	4824	3672
85°	3216	868	3013	2140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 17565 cd/sqm

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.1	1.7
10°-20°	500.4	5.3
20°-30°	795.0	8.4
30°-40°	883.4	9.4
40°-50°	803.4	8.5
50°-60°	656.5	7.0
60°-70°	468.6	5.0
70°-80°	257.9	2.7
80°-90°	72.9	0.8
90°-100°	51.8	0.5
100°-110°	340.9	3.6
110°-120°	650.9	6.9
120°-130°	826.3	8.8
130°-140°	883.9	9.4
140°-150°	826.5	8.8
150°-160°	666.5	7.1
160°-170°	429.9	4.6
170°-180°	148.2	1.6
0°-30°	1457.6	15.5
0°-40°	2341.0	24.8
0°-60°	3800.8	40.3
0°-90°	4600.2	48.8
90°-120°	1043.5	11.1
90°-150°	3580.2	38.0
90°-180°	4825.0	51.2
0°-180°	9425.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1666	1666	1666	1666	1666	
5°	1659	1954	1669	1469	1659	157
15°	1584	2684	1596	1177	1584	447
25°	1446	2850	1460	956	1446	667
35°	1255	1685	1268	848	1255	784
45°	1001	946	1013	758	1001	772
55°	704	618	715	661	704	633
65°	439	398	443	529	439	433
75°	215	199	214	327	215	226
85°	44	41	41	102	44	51
90°	4	35	4	35	4	6
95°	64	34	64	34	64	79
105°	351	332	351	332	351	367
115°	655	660	655	660	655	645
125°	921	928	921	928	921	823
135°	1143	1151	1143	1151	1143	881
145°	1318	1325	1318	1325	1318	823
155°	1445	1444	1445	1444	1445	666
165°	1524	1517	1524	1517	1524	431
175°	1559	1550	1559	1550	1559	148
180°	1559	1559	1559	1559	1559	

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1665.9	1682.5	1689.4	1694.9	1712.9	1718.4	1719.8	1728.0	1734.9	1736.3	1736.3
5°	1659.0	1685.2	1706.0	1725.3	1754.3	1766.7	1781.9	1798.4	1820.5	1834.3	1841.2
7.5°	1648.0	1686.6	1718.4	1751.5	1791.5	1816.4	1830.2	1874.3	1904.7	1929.5	1959.9
10°	1631.4	1681.1	1726.7	1775.0	1831.6	1861.9	1892.3	1946.1	1988.9	2037.2	2075.9
12.5°	1606.6	1671.4	1726.7	1794.3	1864.7	1900.6	1936.4	2030.3	2080.0	2122.8	2191.8
15°	1584.5	1649.4	1728.0	1797.0	1884.0	1937.8	1990.3	2051.0	2129.7	2222.2	2288.4
17.5°	1559.6	1641.1	1714.2	1810.8	1907.5	1958.5	2001.3	2095.2	2205.6	2296.7	2357.4
20°	1525.1	1608.0	1704.6	1806.7	1921.3	1961.3	2017.9	2143.5	2242.9	2332.6	2431.9
22.5°	1485.1	1581.7	1683.9	1781.9	1900.6	1984.8	2046.9	2157.3	2277.4	2380.9	2492.7
25°	1446.5	1551.4	1641.1	1775.0	1900.6	1957.2	2027.5	2158.7	2289.8	2415.4	2529.9
27.5°	1405.1	1503.1	1624.5	1730.8	1873.0	1935.1	2011.0	2154.5	2293.9	2419.5	2542.4
30°	1359.5	1464.4	1565.2	1690.8	1828.8	1908.8	1979.2	2135.2	2277.4	2408.5	2523.0
32.5°	1308.4	1407.8	1515.5	1634.2	1779.1	1860.5	1948.9	2109.0	2260.8	2374.0	2462.3
35°	1254.6	1355.4	1449.2	1570.7	1719.8	1801.2	1886.8	2063.4	2213.9	2306.3	2357.4
37.5°	1195.3	1290.5	1383.0	1503.1	1652.1	1739.1	1826.0	1997.2	2139.3	2216.6	2202.8
40°	1138.7	1224.3	1309.8	1423.0	1579.0	1671.4	1747.4	1919.9	2044.1	2077.2	2031.7
42.5°	1073.8	1147.0	1229.8	1345.7	1497.5	1584.5	1679.7	1837.1	1929.5	1915.7	1838.5
45°	1000.7	1065.5	1148.3	1257.4	1412.0	1501.7	1581.7	1730.8	1798.4	1763.9	1623.1
47.5°	930.3	993.8	1061.4	1170.4	1320.9	1396.8	1478.2	1612.1	1650.7	1577.6	1436.8
50°	854.4	906.8	977.2	1080.7	1221.5	1301.5	1369.2	1476.8	1490.6	1400.9	1254.6
52.5°	781.2	825.4	893.0	995.1	1126.3	1189.7	1256.0	1351.2	1340.2	1247.7	1106.9
55°	703.9	745.3	807.4	901.3	1017.2	1078.0	1134.5	1218.7	1195.3	1100.0	977.2
57.5°	639.0	668.0	728.8	815.7	910.9	977.2	1025.5	1091.8	1055.9	960.6	846.1
60°	564.5	600.4	651.5	721.9	815.7	859.9	902.7	946.8	922.0	830.9	728.8
62.5°	496.9	524.5	568.7	636.3	709.4	749.5	795.0	822.6	797.8	713.6	628.0
65°	438.9	461.0	495.5	550.7	621.1	654.2	680.4	706.7	686.0	607.3	545.2
67.5°	375.4	394.7	423.7	467.9	527.2	550.7	575.6	593.5	570.0	517.6	456.9
70°	318.8	332.6	360.2	393.4	434.8	456.9	477.6	495.5	474.8	430.6	385.1
72.5°	260.9	271.9	296.7	320.2	357.5	372.7	387.8	401.6	394.7	353.3	316.1
75°	215.3	219.5	236.0	255.3	278.8	295.4	306.4	314.7	309.2	276.0	252.6
77.5°	162.9	168.4	180.8	196.0	216.7	226.4	233.3	241.5	234.6	208.4	191.9
80°	118.7	120.1	127.0	140.8	154.6	156.0	162.9	173.9	169.8	151.8	139.4
82.5°	75.9	80.1	82.8	91.1	100.8	103.5	107.7	110.4	109.0	98.0	93.9
85°	44.2	44.2	46.9	52.4	55.2	59.3	60.7	62.1	64.9	58.0	53.8
87.5°	19.3	20.7	20.7	22.1	24.8	24.8	26.2	27.6	29.0	27.6	23.5
90°	3.5	6.3	9.2	12.0	14.9	16.3	17.3	19.4	21.5	23.6	25.7
92.5°	17.5	17.0	16.5	16.0	15.5	15.2	16.2	18.3	20.4	22.4	24.5
95°	64.1	55.3	46.5	37.7	28.9	24.5	24.6	24.9	25.2	25.4	25.7
97.5°	122.5	128.2	133.9	139.6	145.3	148.1	134.5	107.3	80.1	52.9	25.7
100°	191.3	195.9	200.6	205.2	209.9	212.2	194.3	158.6	122.8	87.1	51.3
102.5°	268.2	271.3	274.4	277.5	280.6	282.2	283.8	286.9	290.0	293.1	296.2
105°	351.0	352.6	354.1	355.7	357.2	358.0	358.7	360.0	361.3	362.6	363.9
107.5°	426.8	427.6	428.4	429.1	429.9	430.3	431.2	433.0	434.9	436.7	438.5
110°	503.8	504.6	505.4	506.1	506.9	507.3	508.1	509.6	511.2	512.7	514.3

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	578.4	580.0	581.5	583.1	584.6	585.4	585.7	586.2	586.7	587.3	587.8
115°	655.4	656.2	657.0	657.7	658.5	658.9	658.8	658.5	658.2	658.0	657.7
117.5°	724.2	725.2	726.3	727.3	728.4	728.9	729.3	730.1	730.8	731.6	732.4
120°	794.2	795.2	796.3	797.3	798.4	798.9	798.8	798.5	798.2	798.0	797.7
122.5°	859.5	860.0	860.5	861.0	861.5	861.8	862.1	862.6	863.1	863.7	864.2
125°	921.3	922.3	923.4	924.4	925.5	926.0	925.7	925.2	924.7	924.1	923.6
127.5°	980.8	981.0	981.3	981.5	981.8	981.9	982.6	983.9	985.2	986.5	987.8
130°	1037.9	1038.2	1038.4	1038.7	1039.0	1039.1	1039.5	1040.3	1041.0	1041.8	1042.6
132.5°	1090.4	1090.9	1091.4	1091.9	1092.4	1092.7	1093.2	1094.3	1095.3	1096.4	1097.4
135°	1142.9	1142.6	1142.4	1142.1	1141.8	1141.7	1142.2	1143.3	1144.3	1145.4	1146.4
137.5°	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1190.2	1191.5	1192.8	1194.1	1195.4
140°	1235.0	1235.5	1236.0	1236.5	1237.0	1237.3	1237.6	1238.1	1238.6	1239.2	1239.7
142.5°	1275.8	1276.8	1277.9	1278.9	1280.0	1280.5	1280.6	1280.9	1281.2	1281.4	1281.7
145°	1317.8	1318.6	1319.4	1320.1	1320.9	1321.3	1321.3	1321.3	1321.3	1321.3	1321.3
147.5°	1350.5	1352.1	1353.6	1355.2	1356.7	1357.5	1357.4	1357.1	1356.8	1356.6	1356.3
150°	1386.6	1387.6	1388.7	1389.7	1390.8	1391.3	1391.2	1390.9	1390.6	1390.4	1390.1
152.5°	1416.9	1417.7	1418.5	1419.2	1420.0	1420.4	1420.1	1419.6	1419.1	1418.6	1418.1
155°	1444.9	1445.2	1445.4	1445.7	1446.0	1446.1	1445.7	1444.9	1444.2	1443.4	1442.6
157.5°	1469.4	1469.4	1469.4	1469.4	1469.4	1469.4	1468.9	1467.9	1466.8	1465.8	1464.8
160°	1490.4	1489.6	1488.8	1488.1	1487.3	1486.9	1486.8	1486.5	1486.2	1486.0	1485.7
162.5°	1509.1	1508.1	1507.0	1506.0	1504.9	1504.4	1504.3	1504.0	1503.7	1503.5	1503.2
165°	1524.2	1522.9	1521.6	1520.3	1519.0	1518.4	1518.4	1518.4	1518.4	1518.4	1518.4
167.5°	1537.1	1535.8	1534.5	1533.2	1531.9	1531.2	1531.1	1530.8	1530.6	1530.3	1530.1
170°	1547.6	1546.0	1544.5	1542.9	1541.4	1540.6	1540.7	1541.0	1541.2	1541.5	1541.7
172.5°	1554.6	1553.0	1551.5	1549.9	1548.4	1547.6	1547.7	1548.0	1548.2	1548.5	1548.7
175°	1559.2	1557.6	1556.1	1554.5	1553.0	1552.2	1552.3	1552.6	1552.9	1553.1	1553.4
177.5°	1562.7	1560.9	1559.1	1557.3	1555.5	1554.6	1554.9	1555.4	1555.9	1556.4	1556.9
180°	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1740.5	1765.3	1776.3	1779.1	1794.3	1784.6	1788.8	1787.4	1798.4	1799.8	1799.8
5°	1867.4	1896.4	1906.1	1919.9	1940.6	1946.1	1942.0	1950.3	1965.4	1954.4	1971.0
7.5°	2001.3	2033.1	2055.1	2085.5	2092.4	2110.4	2121.4	2131.1	2133.8	2135.2	2138.0
10°	2125.5	2165.6	2195.9	2247.0	2258.0	2267.7	2316.0	2296.7	2321.5	2313.2	2316.0
12.5°	2226.3	2305.0	2329.8	2415.4	2423.7	2456.8	2454.0	2484.4	2489.9	2501.0	2489.9
15°	2358.8	2449.9	2489.9	2538.2	2565.8	2604.5	2611.4	2652.8	2669.3	2684.5	2669.3
17.5°	2480.3	2528.6	2630.7	2669.3	2687.3	2708.0	2760.4	2775.6	2800.5	2790.8	2818.4
20°	2541.0	2610.0	2717.7	2783.9	2811.5	2830.8	2875.0	2898.5	2908.1	2908.1	2910.9
22.5°	2594.8	2694.2	2774.2	2850.2	2875.0	2888.8	2915.0	2933.0	2937.1	2939.9	2942.6
25°	2643.1	2732.8	2797.7	2840.5	2850.2	2850.2	2865.3	2854.3	2836.4	2850.2	2858.4
27.5°	2643.1	2706.6	2735.6	2750.8	2750.8	2713.5	2691.4	2645.9	2607.2	2596.2	2621.0
30°	2599.0	2627.9	2587.9	2550.6	2521.7	2496.8	2409.9	2340.9	2327.1	2317.4	2354.7
32.5°	2496.8	2459.6	2380.9	2273.2	2230.4	2173.8	2106.2	2053.8	2022.0	2011.0	2002.7
35°	2316.0	2219.4	2117.3	1972.3	1942.0	1870.2	1777.7	1739.1	1686.6	1685.2	1703.2
37.5°	2118.6	1969.6	1859.2	1721.1	1678.3	1602.4	1515.5	1475.5	1439.6	1412.0	1445.1
40°	1888.1	1758.4	1590.0	1476.8	1416.1	1376.1	1302.9	1258.8	1242.2	1228.4	1249.1
42.5°	1672.8	1530.7	1399.5	1283.6	1233.9	1188.4	1140.1	1097.3	1084.9	1083.5	1098.7
45°	1458.9	1319.5	1198.0	1098.7	1066.9	1039.3	992.4	980.0	959.3	945.5	952.4
47.5°	1287.7	1144.2	1043.4	967.5	939.9	916.5	886.1	865.4	847.5	841.9	850.2
50°	1119.4	1022.7	919.2	855.7	835.0	812.9	789.5	770.2	761.9	756.4	761.9
52.5°	984.1	880.6	810.2	759.1	738.4	721.9	705.3	697.0	686.0	688.7	694.3
55°	862.6	771.5	712.2	674.9	662.5	655.6	634.9	625.2	621.1	618.3	621.1
57.5°	748.1	681.8	637.7	605.9	589.4	585.2	568.7	568.7	564.5	560.4	561.7
60°	657.0	600.4	557.6	532.8	530.0	523.1	512.1	510.7	501.0	505.2	506.5
62.5°	564.5	519.0	490.0	474.8	465.1	462.4	455.5	454.1	450.0	451.3	448.6
65°	491.4	454.1	425.1	412.7	408.5	407.2	401.6	397.5	394.7	397.5	394.7
67.5°	418.2	393.4	371.3	358.9	353.3	352.0	347.8	345.1	346.4	342.3	345.1
70°	349.2	324.4	310.5	303.6	300.9	296.7	296.7	296.7	296.7	294.0	292.6
72.5°	294.0	269.1	259.5	255.3	252.6	251.2	247.1	248.4	247.1	245.7	251.2
75°	233.3	218.1	208.4	204.3	207.0	202.9	198.8	201.5	197.4	198.8	204.3
77.5°	176.7	169.8	164.2	161.5	158.7	156.0	156.0	153.2	153.2	153.2	153.2
80°	128.4	127.0	117.3	115.9	115.9	113.2	113.2	113.2	113.2	111.8	113.2
82.5°	85.6	84.2	81.4	80.1	77.3	78.7	78.7	75.9	75.9	74.5	75.9
85°	49.7	49.7	46.9	45.5	44.2	45.5	42.8	41.4	42.8	41.4	42.8
87.5°	23.5	20.7	22.1	20.7	17.9	19.3	16.6	17.9	16.6	15.2	17.9
90°	27.3	28.8	30.4	31.9	32.7	33.0	33.5	34.0	34.5	35.0	34.5
92.5°	26.1	27.6	29.2	30.7	31.5	31.5	31.5	31.5	31.5	31.5	31.5
95°	27.3	28.8	30.4	31.9	32.7	32.8	33.1	33.3	33.6	33.8	33.6
97.5°	27.0	28.3	29.6	30.9	31.5	31.6	31.9	32.2	32.4	32.7	32.4
100°	46.9	42.5	38.1	33.7	31.5	31.6	31.9	32.2	32.4	32.7	32.4
102.5°	237.9	179.6	121.3	63.0	33.8	33.8	33.8	33.8	33.8	33.8	33.8
105°	366.2	368.6	370.9	373.2	374.4	369.7	360.4	351.1	341.7	332.4	341.7
107.5°	439.8	441.1	442.4	443.7	444.3	444.8	445.9	446.9	448.0	449.0	448.0
110°	514.8	515.3	515.8	516.3	516.6	517.0	517.8	518.5	519.3	520.1	519.3

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	587.5	587.3	587.0	586.7	586.6	587.1	588.2	589.2	590.3	591.3	590.3
115°	658.2	658.8	659.3	659.8	660.1	660.1	660.1	660.1	660.1	660.1	660.1
117.5°	732.1	731.9	731.6	731.3	731.2	731.2	731.2	731.2	731.2	731.2	731.2
120°	798.2	798.7	799.2	799.7	800.0	799.7	799.2	798.7	798.2	797.7	798.2
122.5°	864.4	864.7	864.9	865.2	865.3	865.0	864.5	864.0	863.5	863.0	863.5
125°	924.4	925.2	925.9	926.7	927.1	927.2	927.5	927.8	928.0	928.3	928.0
127.5°	987.5	987.3	987.0	986.7	986.6	986.5	986.2	985.9	985.7	985.4	985.7
130°	1042.9	1043.1	1043.4	1043.7	1043.8	1043.8	1043.8	1043.8	1043.8	1043.8	1043.8
132.5°	1097.7	1097.9	1098.2	1098.5	1098.6	1098.5	1098.2	1097.9	1097.7	1097.4	1097.7
135°	1146.9	1147.4	1147.9	1148.4	1148.7	1149.0	1149.5	1150.0	1150.5	1151.0	1150.5
137.5°	1195.9	1196.4	1196.9	1197.4	1197.7	1197.6	1197.3	1197.0	1196.8	1196.5	1196.8
140°	1240.5	1241.3	1242.0	1242.8	1243.2	1243.3	1243.6	1243.8	1244.1	1244.3	1244.1
142.5°	1282.2	1282.7	1283.2	1283.7	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
145°	1321.6	1321.8	1322.1	1322.4	1322.5	1322.8	1323.3	1323.8	1324.3	1324.8	1324.3
147.5°	1356.6	1356.8	1357.1	1357.4	1357.5	1357.6	1357.9	1358.1	1358.4	1358.6	1358.4
150°	1390.1	1390.1	1390.1	1390.1	1390.1	1390.2	1390.5	1390.8	1391.0	1391.3	1391.0
152.5°	1418.6	1419.1	1419.6	1420.1	1420.4	1420.3	1420.0	1419.8	1419.5	1419.3	1419.5
155°	1443.6	1444.7	1445.7	1446.8	1447.3	1446.9	1446.1	1445.4	1444.6	1443.8	1444.6
157.5°	1466.1	1467.4	1468.7	1470.0	1470.6	1470.0	1468.7	1467.4	1466.1	1464.8	1466.1
160°	1487.3	1488.8	1490.4	1491.9	1492.7	1491.9	1490.4	1488.8	1487.3	1485.7	1487.3
162.5°	1504.8	1506.3	1507.9	1509.4	1510.2	1509.3	1507.5	1505.7	1503.9	1502.1	1503.9
165°	1520.5	1522.5	1524.6	1526.7	1527.7	1526.5	1524.2	1521.9	1519.5	1517.2	1519.5
167.5°	1532.4	1534.8	1537.1	1539.4	1540.6	1539.3	1536.7	1534.1	1531.5	1528.9	1531.5
170°	1543.8	1545.9	1548.0	1550.1	1551.1	1549.8	1547.2	1544.6	1542.0	1539.4	1542.0
172.5°	1550.8	1552.9	1555.0	1557.1	1558.1	1556.7	1553.8	1550.9	1548.1	1545.2	1548.1
175°	1555.7	1558.1	1560.4	1562.7	1563.9	1562.3	1559.2	1556.1	1553.0	1549.9	1553.0
177.5°	1559.0	1561.0	1563.1	1565.2	1566.2	1564.6	1561.5	1558.4	1555.3	1552.2	1555.3
180°	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1797.0	1792.9	1787.4	1787.4	1780.5	1780.5	1769.4	1750.1	1733.6	1728.0	1730.8
5°	1950.3	1951.6	1943.3	1936.4	1924.0	1914.4	1896.4	1861.9	1850.9	1828.8	1813.6
7.5°	2125.5	2120.0	2104.8	2093.8	2091.0	2068.9	2030.3	1988.9	1955.8	1933.7	1901.9
10°	2322.9	2300.8	2278.7	2271.8	2255.3	2218.0	2173.8	2128.3	2082.8	2034.4	1980.6
12.5°	2488.5	2445.7	2444.4	2427.8	2396.1	2375.4	2322.9	2258.0	2179.4	2125.5	2064.8
15°	2666.6	2626.6	2593.4	2563.1	2547.9	2487.2	2443.0	2361.6	2267.7	2209.7	2168.3
17.5°	2793.6	2775.6	2719.0	2705.2	2684.5	2614.1	2543.7	2463.7	2382.3	2300.8	2189.0
20°	2895.7	2884.7	2847.4	2828.1	2794.9	2739.7	2654.2	2561.7	2467.8	2351.9	2247.0
22.5°	2939.9	2926.1	2895.7	2879.1	2858.4	2811.5	2738.4	2633.5	2510.6	2407.1	2295.3
25°	2852.9	2877.8	2869.5	2862.6	2854.3	2826.7	2771.5	2679.0	2558.9	2441.6	2302.2
27.5°	2656.9	2699.7	2741.1	2746.6	2760.4	2771.5	2749.4	2683.1	2582.4	2458.2	2305.0
30°	2393.3	2412.6	2496.8	2521.7	2541.0	2611.4	2652.8	2636.2	2558.9	2447.1	2306.3
32.5°	2055.1	2106.2	2191.8	2251.1	2303.6	2382.3	2489.9	2532.7	2505.1	2414.0	2274.6
35°	1734.9	1795.7	1895.0	1971.0	2023.4	2135.2	2262.2	2354.7	2389.2	2343.6	2219.4
37.5°	1472.7	1545.8	1634.2	1663.2	1723.9	1861.9	2037.2	2165.6	2249.8	2253.9	2157.3
40°	1275.3	1312.6	1383.0	1427.1	1486.5	1602.4	1773.6	1943.3	2070.3	2113.1	2062.0
42.5°	1108.3	1137.3	1189.7	1243.6	1297.4	1385.7	1543.1	1701.8	1873.0	1958.5	1957.2
45°	975.8	1006.2	1042.1	1086.2	1123.5	1218.7	1343.0	1505.8	1653.5	1786.0	1819.1
47.5°	859.9	886.1	930.3	949.6	974.4	1064.1	1171.8	1323.6	1476.8	1628.7	1667.3
50°	774.3	796.4	826.8	839.2	866.8	933.0	1021.4	1144.2	1314.0	1453.4	1525.1
52.5°	697.0	713.6	737.0	746.7	766.0	815.7	895.8	992.4	1133.2	1276.7	1377.5
55°	630.8	641.8	658.4	669.4	683.2	727.4	786.7	873.7	995.1	1119.4	1217.4
57.5°	568.7	576.9	593.5	599.0	610.1	644.6	686.0	759.1	870.9	981.3	1076.6
60°	510.7	516.2	525.9	538.3	546.6	570.0	608.7	669.4	759.1	859.9	937.2
62.5°	455.5	463.8	466.5	472.0	478.9	501.0	531.4	575.6	654.2	737.0	818.5
65°	398.9	405.8	411.3	412.7	419.6	436.1	463.8	502.4	553.5	625.2	701.2
67.5°	346.4	350.6	353.3	358.9	365.8	374.0	396.1	425.1	472.0	530.0	590.7
70°	298.1	298.1	302.3	303.6	311.9	321.6	331.3	358.9	400.3	447.2	488.6
72.5°	245.7	252.6	251.2	258.1	256.7	263.6	276.0	294.0	324.4	361.6	401.6
75°	200.1	204.3	204.3	204.3	207.0	212.6	219.5	236.0	259.5	289.8	313.3
77.5°	156.0	158.7	158.7	158.7	160.1	165.6	172.5	183.6	200.1	218.1	231.9
80°	111.8	114.6	114.6	117.3	117.3	118.7	125.6	131.1	139.4	153.2	167.0
82.5°	75.9	77.3	80.1	80.1	78.7	81.4	82.8	88.3	96.6	99.4	109.0
85°	41.4	42.8	44.2	44.2	45.5	48.3	46.9	52.4	52.4	58.0	60.7
87.5°	16.6	19.3	19.3	17.9	19.3	19.3	19.3	22.1	23.5	24.8	23.5
90°	34.0	33.5	33.0	32.7	31.9	30.4	28.8	27.3	25.7	23.6	21.5
92.5°	31.5	31.5	31.5	31.5	30.7	29.2	27.6	26.1	24.5	22.4	20.4
95°	33.3	33.1	32.8	32.7	31.9	30.4	28.8	27.3	25.7	25.4	25.2
97.5°	32.2	31.9	31.6	31.5	30.9	29.6	28.3	27.0	25.7	52.9	80.1
100°	32.2	31.9	31.6	31.5	33.7	38.1	42.5	46.9	51.3	87.1	122.8
102.5°	33.8	33.8	33.8	33.8	63.0	121.3	179.6	237.9	296.2	293.1	290.0
105°	351.1	360.4	369.7	374.4	373.2	370.9	368.6	366.2	363.9	362.6	361.3
107.5°	446.9	445.9	444.8	444.3	443.7	442.4	441.1	439.8	438.5	436.7	434.9
110°	518.5	517.8	517.0	516.6	516.3	515.8	515.3	514.8	514.3	512.7	511.2

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	589.2	588.2	587.1	586.6	586.7	587.0	587.3	587.5	587.8	587.3	586.7
115°	660.1	660.1	660.1	660.1	659.8	659.3	658.8	658.2	657.7	658.0	658.2
117.5°	731.2	731.2	731.2	731.2	731.3	731.6	731.9	732.1	732.4	731.6	730.8
120°	798.7	799.2	799.7	800.0	799.7	799.2	798.7	798.2	797.7	798.0	798.2
122.5°	864.0	864.5	865.0	865.3	865.2	864.9	864.7	864.4	864.2	863.7	863.1
125°	927.8	927.5	927.2	927.1	926.7	925.9	925.2	924.4	923.6	924.1	924.7
127.5°	985.9	986.2	986.5	986.6	986.7	987.0	987.3	987.5	987.8	986.5	985.2
130°	1043.8	1043.8	1043.8	1043.8	1043.7	1043.4	1043.1	1042.9	1042.6	1041.8	1041.0
132.5°	1097.9	1098.2	1098.5	1098.6	1098.5	1098.2	1097.9	1097.7	1097.4	1096.4	1095.3
135°	1150.0	1149.5	1149.0	1148.7	1148.4	1147.9	1147.4	1146.9	1146.4	1145.4	1144.3
137.5°	1197.0	1197.3	1197.6	1197.7	1197.4	1196.9	1196.4	1195.9	1195.4	1194.1	1192.8
140°	1243.8	1243.6	1243.3	1243.2	1242.8	1242.0	1241.3	1240.5	1239.7	1239.2	1238.6
142.5°	1284.0	1284.0	1284.0	1284.0	1283.7	1283.2	1282.7	1282.2	1281.7	1281.4	1281.2
145°	1323.8	1323.3	1322.8	1322.5	1322.4	1322.1	1321.8	1321.6	1321.3	1321.3	1321.3
147.5°	1358.1	1357.9	1357.6	1357.5	1357.4	1357.1	1356.8	1356.6	1356.3	1356.6	1356.8
150°	1390.8	1390.5	1390.2	1390.1	1390.1	1390.1	1390.1	1390.1	1390.1	1390.4	1390.6
152.5°	1419.8	1420.0	1420.3	1420.4	1420.1	1419.6	1419.1	1418.6	1418.1	1418.6	1419.1
155°	1445.4	1446.1	1446.9	1447.3	1446.8	1445.7	1444.7	1443.6	1442.6	1443.4	1444.2
157.5°	1467.4	1468.7	1470.0	1470.6	1470.0	1468.7	1467.4	1466.1	1464.8	1465.8	1466.8
160°	1488.8	1490.4	1491.9	1492.7	1491.9	1490.4	1488.8	1487.3	1485.7	1486.0	1486.2
162.5°	1505.7	1507.5	1509.3	1510.2	1509.4	1507.9	1506.3	1504.8	1503.2	1503.5	1503.7
165°	1521.9	1524.2	1526.5	1527.7	1526.7	1524.6	1522.5	1520.5	1518.4	1518.4	1518.4
167.5°	1534.1	1536.7	1539.3	1540.6	1539.4	1537.1	1534.8	1532.4	1530.1	1530.3	1530.6
170°	1544.6	1547.2	1549.8	1551.1	1550.1	1548.0	1545.9	1543.8	1541.7	1541.5	1541.2
172.5°	1550.9	1553.8	1556.7	1558.1	1557.1	1555.0	1552.9	1550.8	1548.7	1548.5	1548.2
175°	1556.1	1559.2	1562.3	1563.9	1562.7	1560.4	1558.1	1555.7	1553.4	1553.1	1552.9
177.5°	1558.4	1561.5	1564.6	1566.2	1565.2	1563.1	1561.0	1559.0	1556.9	1556.4	1555.9
180°	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1718.4	1712.9	1708.7	1708.7	1696.3	1683.9	1677.0	1674.2	1671.4	1660.4	1645.2
5°	1788.8	1770.8	1758.4	1746.0	1725.3	1703.2	1681.1	1668.7	1650.7	1625.9	1608.0
7.5°	1867.4	1824.7	1810.8	1795.7	1754.3	1717.0	1686.6	1660.4	1631.4	1599.7	1567.9
10°	1933.7	1888.1	1857.8	1831.6	1777.7	1728.0	1682.5	1643.8	1606.6	1565.2	1526.5
12.5°	1997.2	1932.3	1900.6	1861.9	1805.3	1733.6	1674.2	1625.9	1570.7	1527.9	1481.0
15°	2085.5	1976.5	1924.0	1899.2	1823.3	1739.1	1667.3	1595.5	1550.0	1485.1	1443.7
17.5°	2099.3	2011.0	1976.5	1913.0	1821.9	1726.7	1643.8	1572.1	1503.1	1445.1	1391.3
20°	2147.6	2031.7	1976.5	1936.4	1816.4	1719.8	1628.7	1536.2	1469.9	1407.8	1347.1
22.5°	2178.0	2046.9	1988.9	1925.4	1810.8	1694.9	1587.3	1507.2	1425.8	1362.3	1314.0
25°	2169.7	2038.6	1973.7	1914.4	1775.0	1659.0	1562.4	1460.3	1384.4	1315.3	1251.9
27.5°	2165.6	2017.9	1948.9	1882.6	1751.5	1630.0	1508.6	1425.8	1341.6	1261.5	1214.6
30°	2154.5	1991.7	1911.6	1839.8	1703.2	1576.2	1472.7	1376.1	1291.9	1218.7	1156.6
32.5°	2117.3	1947.5	1870.2	1792.9	1650.7	1523.8	1418.9	1329.2	1245.0	1169.0	1109.7
35°	2067.6	1895.0	1810.8	1729.4	1587.3	1458.9	1362.3	1268.4	1189.7	1116.6	1060.0
37.5°	2017.9	1834.3	1755.6	1661.8	1530.7	1396.8	1297.4	1213.2	1140.1	1064.1	1002.0
40°	1946.1	1762.5	1675.6	1595.5	1442.3	1316.7	1225.6	1149.7	1078.0	1006.2	953.7
42.5°	1848.1	1683.9	1594.2	1505.8	1362.3	1238.1	1149.7	1082.1	1014.5	955.1	897.1
45°	1748.7	1588.6	1508.6	1429.9	1273.9	1156.6	1075.2	1013.1	956.5	891.6	844.7
47.5°	1628.7	1493.4	1413.3	1336.1	1188.4	1071.1	996.5	938.5	886.1	832.3	788.1
50°	1505.8	1388.5	1315.3	1235.3	1094.5	988.2	915.1	866.8	824.0	772.9	737.0
52.5°	1373.3	1271.2	1209.1	1131.8	1007.6	909.6	835.0	786.7	750.8	713.6	681.8
55°	1232.5	1158.0	1091.8	1029.6	912.3	824.0	757.7	715.0	690.1	655.6	628.0
57.5°	1105.6	1033.8	993.8	923.4	821.2	734.3	681.8	645.9	617.0	596.3	574.2
60°	973.1	915.1	870.9	819.9	730.1	657.0	601.8	581.1	550.7	535.5	525.9
62.5°	846.1	804.7	763.3	724.6	644.6	575.6	534.1	507.9	490.0	474.8	466.5
65°	726.0	687.3	658.4	623.9	557.6	502.4	463.8	443.1	425.1	421.0	411.3
67.5°	608.7	592.1	560.4	532.8	476.2	433.4	404.4	378.2	368.5	364.4	356.1
70°	509.3	490.0	465.1	441.7	398.9	361.6	335.4	325.7	311.9	310.5	300.9
72.5°	419.6	396.1	378.2	360.2	328.5	295.4	281.6	267.8	260.9	255.3	251.2
75°	332.6	316.1	303.6	288.5	260.9	238.8	219.5	213.9	209.8	208.4	205.7
77.5°	248.4	237.4	231.9	216.7	197.4	178.0	169.8	161.5	161.5	158.7	160.1
80°	176.7	169.8	162.9	154.6	138.0	129.7	122.8	117.3	114.6	113.2	114.6
82.5°	111.8	107.7	106.3	100.8	89.7	85.6	80.1	75.9	75.9	75.9	75.9
85°	62.1	62.1	62.1	53.8	49.7	45.5	42.8	41.4	41.4	41.4	42.8
87.5°	26.2	26.2	22.1	22.1	20.7	17.9	16.6	16.6	17.9	17.9	19.3
90°	19.4	17.3	16.3	14.9	12.0	9.2	6.3	3.5	6.3	9.2	12.0
92.5°	18.3	16.2	15.2	15.5	16.0	16.5	17.0	17.5	17.0	16.5	16.0
95°	24.9	24.6	24.5	28.9	37.7	46.5	55.3	64.1	55.3	46.5	37.7
97.5°	107.3	134.5	148.1	145.3	139.6	133.9	128.2	122.5	128.2	133.9	139.6
100°	158.6	194.3	212.2	209.9	205.2	200.6	195.9	191.3	195.9	200.6	205.2
102.5°	286.9	283.8	282.2	280.6	277.5	274.4	271.3	268.2	271.3	274.4	277.5
105°	360.0	358.7	358.0	357.2	355.7	354.1	352.6	351.0	352.6	354.1	355.7
107.5°	433.0	431.2	430.3	429.9	429.1	428.4	427.6	426.8	427.6	428.4	429.1
110°	509.6	508.1	507.3	506.9	506.1	505.4	504.6	503.8	504.6	505.4	506.1

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	586.2	585.7	585.4	584.6	583.1	581.5	580.0	578.4	580.0	581.5	583.1
115°	658.5	658.8	658.9	658.5	657.7	657.0	656.2	655.4	656.2	657.0	657.7
117.5°	730.1	729.3	728.9	728.4	727.3	726.3	725.2	724.2	725.2	726.3	727.3
120°	798.5	798.8	798.9	798.4	797.3	796.3	795.2	794.2	795.2	796.3	797.3
122.5°	862.6	862.1	861.8	861.5	861.0	860.5	860.0	859.5	860.0	860.5	861.0
125°	925.2	925.7	926.0	925.5	924.4	923.4	922.3	921.3	922.3	923.4	924.4
127.5°	983.9	982.6	981.9	981.8	981.5	981.3	981.0	980.8	981.0	981.3	981.5
130°	1040.3	1039.5	1039.1	1039.0	1038.7	1038.4	1038.2	1037.9	1038.2	1038.4	1038.7
132.5°	1094.3	1093.2	1092.7	1092.4	1091.9	1091.4	1090.9	1090.4	1090.9	1091.4	1091.9
135°	1143.3	1142.2	1141.7	1141.8	1142.1	1142.4	1142.6	1142.9	1142.6	1142.4	1142.1
137.5°	1191.5	1190.2	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5
140°	1238.1	1237.6	1237.3	1237.0	1236.5	1236.0	1235.5	1235.0	1235.5	1236.0	1236.5
142.5°	1280.9	1280.6	1280.5	1280.0	1278.9	1277.9	1276.8	1275.8	1276.8	1277.9	1278.9
145°	1321.3	1321.3	1321.3	1320.9	1320.1	1319.4	1318.6	1317.8	1318.6	1319.4	1320.1
147.5°	1357.1	1357.4	1357.5	1356.7	1355.2	1353.6	1352.1	1350.5	1352.1	1353.6	1355.2
150°	1390.9	1391.2	1391.3	1390.8	1389.7	1388.7	1387.6	1386.6	1387.6	1388.7	1389.7
152.5°	1419.6	1420.1	1420.4	1420.0	1419.2	1418.5	1417.7	1416.9	1417.7	1418.5	1419.2
155°	1444.9	1445.7	1446.1	1446.0	1445.7	1445.4	1445.2	1444.9	1445.2	1445.4	1445.7
157.5°	1467.9	1468.9	1469.4	1469.4	1469.4	1469.4	1469.4	1469.4	1469.4	1469.4	1469.4
160°	1486.5	1486.8	1486.9	1487.3	1488.1	1488.8	1489.6	1490.4	1489.6	1488.8	1488.1
162.5°	1504.0	1504.3	1504.4	1504.9	1506.0	1507.0	1508.1	1509.1	1508.1	1507.0	1506.0
165°	1518.4	1518.4	1518.4	1519.0	1520.3	1521.6	1522.9	1524.2	1522.9	1521.6	1520.3
167.5°	1530.8	1531.1	1531.2	1531.9	1533.2	1534.5	1535.8	1537.1	1535.8	1534.5	1533.2
170°	1541.0	1540.7	1540.6	1541.4	1542.9	1544.5	1546.0	1547.6	1546.0	1544.5	1542.9
172.5°	1548.0	1547.7	1547.6	1548.4	1549.9	1551.5	1553.0	1554.6	1553.0	1551.5	1549.9
175°	1552.6	1552.3	1552.2	1553.0	1554.5	1556.1	1557.6	1559.2	1557.6	1556.1	1554.5
177.5°	1555.4	1554.9	1554.6	1555.5	1557.3	1559.1	1560.9	1562.7	1560.9	1559.1	1557.3
180°	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1641.1	1635.6	1638.3	1624.5	1612.1	1594.2	1579.0	1576.2	1573.5	1581.7	1576.2
5°	1594.2	1587.3	1580.4	1563.8	1538.9	1523.8	1501.7	1500.3	1492.0	1479.6	1482.4
7.5°	1543.1	1538.9	1529.3	1503.1	1481.0	1454.8	1436.8	1421.6	1414.7	1403.7	1399.5
10°	1501.7	1486.5	1478.2	1449.2	1423.0	1395.4	1371.9	1360.9	1348.5	1338.8	1331.9
12.5°	1445.1	1440.9	1417.5	1394.0	1371.9	1340.2	1322.3	1290.5	1273.9	1282.2	1279.5
15°	1407.8	1388.5	1383.0	1349.9	1312.6	1291.9	1258.8	1238.1	1231.2	1218.7	1203.6
17.5°	1358.1	1345.7	1326.4	1296.0	1253.2	1224.3	1200.8	1181.5	1173.2	1156.6	1144.2
20°	1311.2	1290.5	1275.3	1247.7	1206.3	1169.0	1140.1	1127.6	1106.9	1093.1	1086.2
22.5°	1268.4	1253.2	1231.2	1189.7	1153.9	1118.0	1083.5	1065.5	1046.2	1037.9	1026.9
25°	1216.0	1191.1	1175.9	1130.4	1091.8	1062.8	1031.0	1007.6	996.5	982.7	980.0
27.5°	1164.9	1141.4	1123.5	1083.5	1036.5	999.3	980.0	963.4	944.1	944.1	937.2
30°	1113.8	1097.3	1069.7	1031.0	986.9	951.0	928.9	913.7	906.8	901.3	899.9
32.5°	1062.8	1040.7	1024.1	971.7	938.5	905.4	888.9	876.4	868.2	866.8	868.2
35°	1010.3	985.5	968.9	922.0	888.9	858.5	851.6	840.6	836.4	835.0	841.9
37.5°	955.1	935.8	915.1	876.4	839.2	821.2	807.4	803.3	801.9	810.2	812.9
40°	904.0	887.5	868.2	826.8	799.1	779.8	772.9	768.8	774.3	782.6	786.7
42.5°	855.7	832.3	817.1	779.8	755.0	743.9	735.7	735.7	741.2	750.8	757.7
45°	804.7	786.7	771.5	738.4	716.3	703.9	702.5	703.9	710.8	717.7	726.0
47.5°	755.0	737.0	720.5	692.9	673.5	666.6	665.3	666.6	677.7	687.3	697.0
50°	709.4	690.1	674.9	648.7	633.5	625.2	626.6	633.5	641.8	655.6	668.0
52.5°	655.6	641.8	628.0	604.5	590.7	585.2	589.4	594.9	610.1	619.7	634.9
55°	603.2	590.7	579.7	561.7	550.7	546.6	549.3	557.6	570.0	586.6	604.5
57.5°	554.8	541.0	530.0	517.6	505.2	506.5	507.9	519.0	534.1	549.3	570.0
60°	501.0	492.7	483.1	467.9	462.4	462.4	466.5	478.9	492.7	517.6	535.5
62.5°	452.7	441.7	434.8	425.1	416.8	418.2	427.9	438.9	455.5	476.2	499.6
65°	403.0	390.6	385.1	376.8	374.0	375.4	382.3	398.9	416.8	434.8	456.9
67.5°	347.8	343.7	338.2	329.9	332.6	334.0	340.9	354.7	374.0	392.0	416.8
70°	300.9	292.6	291.2	284.3	284.3	288.5	302.3	311.9	329.9	349.2	375.4
72.5°	251.2	244.3	244.3	238.8	242.9	247.1	254.0	267.8	284.3	303.6	325.7
75°	200.1	197.4	200.1	197.4	197.4	204.3	212.6	223.6	241.5	262.2	280.2
77.5°	154.6	154.6	153.2	157.3	157.3	161.5	172.5	183.6	197.4	213.9	233.3
80°	113.2	113.2	113.2	117.3	121.5	121.5	128.4	142.2	154.6	165.6	183.6
82.5°	77.3	77.3	77.3	80.1	85.6	85.6	93.9	102.1	115.9	125.6	133.9
85°	46.9	46.9	45.5	48.3	49.7	53.8	60.7	66.3	73.2	81.4	89.7
87.5°	20.7	20.7	22.1	23.5	24.8	27.6	30.4	33.1	40.0	42.8	46.9
90°	14.9	16.3	17.3	19.4	21.5	23.6	25.7	27.3	28.8	30.4	31.9
92.5°	15.5	15.2	16.2	18.3	20.4	22.4	24.5	26.1	27.6	29.2	30.7
95°	28.9	24.5	24.6	24.9	25.2	25.4	25.7	27.3	28.8	30.4	31.9
97.5°	145.3	148.1	134.5	107.3	80.1	52.9	25.7	27.0	28.3	29.6	30.9
100°	209.9	212.2	194.3	158.6	122.8	87.1	51.3	46.9	42.5	38.1	33.7
102.5°	280.6	282.2	283.8	286.9	290.0	293.1	296.2	237.9	179.6	121.3	63.0
105°	357.2	358.0	358.7	360.0	361.3	362.6	363.9	366.2	368.6	370.9	373.2
107.5°	429.9	430.3	431.2	433.0	434.9	436.7	438.5	439.8	441.1	442.4	443.7
110°	506.9	507.3	508.1	509.6	511.2	512.7	514.3	514.8	515.3	515.8	516.3

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	584.6	585.4	585.7	586.2	586.7	587.3	587.8	587.5	587.3	587.0	586.7
115°	658.5	658.9	658.8	658.5	658.2	658.0	657.7	658.2	658.8	659.3	659.8
117.5°	728.4	728.9	729.3	730.1	730.8	731.6	732.4	732.1	731.9	731.6	731.3
120°	798.4	798.9	798.8	798.5	798.2	798.0	797.7	798.2	798.7	799.2	799.7
122.5°	861.5	861.8	862.1	862.6	863.1	863.7	864.2	864.4	864.7	864.9	865.2
125°	925.5	926.0	925.7	925.2	924.7	924.1	923.6	924.4	925.2	925.9	926.7
127.5°	981.8	981.9	982.6	983.9	985.2	986.5	987.8	987.5	987.3	987.0	986.7
130°	1039.0	1039.1	1039.5	1040.3	1041.0	1041.8	1042.6	1042.9	1043.1	1043.4	1043.7
132.5°	1092.4	1092.7	1093.2	1094.3	1095.3	1096.4	1097.4	1097.7	1097.9	1098.2	1098.5
135°	1141.8	1141.7	1142.2	1143.3	1144.3	1145.4	1146.4	1146.9	1147.4	1147.9	1148.4
137.5°	1189.5	1189.5	1190.2	1191.5	1192.8	1194.1	1195.4	1195.9	1196.4	1196.9	1197.4
140°	1237.0	1237.3	1237.6	1238.1	1238.6	1239.2	1239.7	1240.5	1241.3	1242.0	1242.8
142.5°	1280.0	1280.5	1280.6	1280.9	1281.2	1281.4	1281.7	1282.2	1282.7	1283.2	1283.7
145°	1320.9	1321.3	1321.3	1321.3	1321.3	1321.3	1321.3	1321.6	1321.8	1322.1	1322.4
147.5°	1356.7	1357.5	1357.4	1357.1	1356.8	1356.6	1356.3	1356.6	1356.8	1357.1	1357.4
150°	1390.8	1391.3	1391.2	1390.9	1390.6	1390.4	1390.1	1390.1	1390.1	1390.1	1390.1
152.5°	1420.0	1420.4	1420.1	1419.6	1419.1	1418.6	1418.1	1418.6	1419.1	1419.6	1420.1
155°	1446.0	1446.1	1445.7	1444.9	1444.2	1443.4	1442.6	1443.6	1444.7	1445.7	1446.8
157.5°	1469.4	1469.4	1468.9	1467.9	1466.8	1465.8	1464.8	1466.1	1467.4	1468.7	1470.0
160°	1487.3	1486.9	1486.8	1486.5	1486.2	1486.0	1485.7	1487.3	1488.8	1490.4	1491.9
162.5°	1504.9	1504.4	1504.3	1504.0	1503.7	1503.5	1503.2	1504.8	1506.3	1507.9	1509.4
165°	1519.0	1518.4	1518.4	1518.4	1518.4	1518.4	1518.4	1520.5	1522.5	1524.6	1526.7
167.5°	1531.9	1531.2	1531.1	1530.8	1530.6	1530.3	1530.1	1532.4	1534.8	1537.1	1539.4
170°	1541.4	1540.6	1540.7	1541.0	1541.2	1541.5	1541.7	1543.8	1545.9	1548.0	1550.1
172.5°	1548.4	1547.6	1547.7	1548.0	1548.2	1548.5	1548.7	1550.8	1552.9	1555.0	1557.1
175°	1553.0	1552.2	1552.3	1552.6	1552.9	1553.1	1553.4	1555.7	1558.1	1560.4	1562.7
177.5°	1555.5	1554.6	1554.9	1555.4	1555.9	1556.4	1556.9	1559.0	1561.0	1563.1	1565.2
180°	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1572.1	1570.7	1563.8	1566.5	1558.3	1561.0	1565.2	1566.5	1572.1	1567.9	1566.5
5°	1475.5	1472.7	1468.6	1464.4	1463.0	1468.6	1458.9	1461.7	1464.4	1468.6	1474.1
7.5°	1396.8	1395.4	1391.3	1384.4	1381.6	1378.8	1380.2	1389.9	1388.5	1387.1	1396.8
10°	1325.0	1326.4	1318.1	1316.7	1308.4	1307.1	1308.4	1311.2	1315.3	1320.9	1322.3
12.5°	1250.5	1268.4	1253.2	1247.7	1235.3	1242.2	1245.0	1232.5	1239.4	1243.6	1264.3
15°	1203.6	1195.3	1185.6	1185.6	1180.1	1177.3	1170.4	1180.1	1185.6	1193.9	1191.1
17.5°	1138.7	1124.9	1119.4	1113.8	1115.2	1120.7	1105.6	1127.6	1127.6	1131.8	1124.9
20°	1082.1	1071.1	1064.1	1061.4	1057.2	1054.5	1053.1	1058.6	1066.9	1069.7	1076.6
22.5°	1022.7	1022.7	1011.7	1007.6	1004.8	1000.7	1007.6	1003.4	1008.9	1014.5	1025.5
25°	973.1	973.1	968.9	963.4	959.3	956.5	960.6	959.3	963.4	970.3	973.1
27.5°	933.0	928.9	927.5	926.1	924.7	926.1	924.7	928.9	933.0	934.4	931.6
30°	898.5	894.4	895.8	895.8	897.1	895.8	894.4	898.5	899.9	897.1	898.5
32.5°	866.8	866.8	869.5	870.9	870.9	872.3	873.7	870.9	872.3	868.2	869.5
35°	840.6	843.3	846.1	847.5	848.8	847.5	850.2	848.8	846.1	843.3	841.9
37.5°	814.3	817.1	822.6	824.0	828.1	829.5	826.8	826.8	825.4	819.9	817.1
40°	786.7	789.5	796.4	800.5	803.3	807.4	804.7	804.7	799.1	793.6	789.5
42.5°	760.5	766.0	772.9	777.1	782.6	782.6	782.6	779.8	772.9	767.4	763.3
45°	734.3	735.7	745.3	752.2	757.7	757.7	757.7	753.6	749.5	738.4	732.9
47.5°	705.3	709.4	720.5	727.4	732.9	734.3	734.3	730.1	721.9	712.2	705.3
50°	673.5	680.4	692.9	702.5	709.4	712.2	708.1	705.3	695.6	684.6	676.3
52.5°	643.2	651.5	666.6	674.9	684.6	686.0	684.6	680.4	669.4	654.2	647.3
55°	612.8	619.7	636.3	650.1	658.4	661.1	658.4	651.5	637.7	622.5	615.6
57.5°	579.7	589.4	607.3	621.1	630.8	632.1	629.4	622.5	611.4	592.1	582.5
60°	545.2	557.6	575.6	589.4	601.8	603.2	600.4	590.7	576.9	557.6	549.3
62.5°	510.7	520.3	541.0	556.2	565.9	572.8	567.3	557.6	543.8	524.5	512.1
65°	470.7	484.5	502.4	516.2	527.2	528.6	525.9	517.6	502.4	481.7	472.0
67.5°	432.0	441.7	459.6	477.6	481.7	485.8	481.7	473.4	461.0	443.1	429.2
70°	385.1	393.4	415.4	427.9	433.4	437.5	434.8	426.5	415.4	398.9	387.8
72.5°	338.2	345.1	365.8	375.4	386.5	385.1	383.7	378.2	363.0	352.0	345.1
75°	288.5	296.7	310.5	323.0	327.1	327.1	327.1	323.0	313.3	295.4	288.5
77.5°	242.9	247.1	258.1	265.0	269.1	270.5	269.1	262.2	256.7	244.3	240.2
80°	186.3	197.4	205.7	207.0	212.6	212.6	212.6	209.8	204.3	191.9	190.5
82.5°	140.8	143.5	151.8	156.0	158.7	157.3	157.3	151.8	150.4	143.5	140.8
85°	95.2	99.4	98.0	103.5	104.9	102.1	102.1	104.9	98.0	99.4	95.2
87.5°	52.4	52.4	55.2	53.8	59.3	59.3	56.6	58.0	55.2	53.8	52.4
90°	32.7	33.0	33.5	34.0	34.5	35.0	34.5	34.0	33.5	33.0	32.7
92.5°	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
95°	32.7	32.8	33.1	33.3	33.6	33.8	33.6	33.3	33.1	32.8	32.7
97.5°	31.5	31.6	31.9	32.2	32.4	32.7	32.4	32.2	31.9	31.6	31.5
100°	31.5	31.6	31.9	32.2	32.4	32.7	32.4	32.2	31.9	31.6	31.5
102.5°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
105°	374.4	369.7	360.4	351.1	341.7	332.4	341.7	351.1	360.4	369.7	374.4
107.5°	444.3	444.8	445.9	446.9	448.0	449.0	448.0	446.9	445.9	444.8	444.3
110°	516.6	517.0	517.8	518.5	519.3	520.1	519.3	518.5	517.8	517.0	516.6

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	586.6	587.1	588.2	589.2	590.3	591.3	590.3	589.2	588.2	587.1	586.6
115°	660.1	660.1	660.1	660.1	660.1	660.1	660.1	660.1	660.1	660.1	660.1
117.5°	731.2	731.2	731.2	731.2	731.2	731.2	731.2	731.2	731.2	731.2	731.2
120°	800.0	799.7	799.2	798.7	798.2	797.7	798.2	798.7	799.2	799.7	800.0
122.5°	865.3	865.0	864.5	864.0	863.5	863.0	863.5	864.0	864.5	865.0	865.3
125°	927.1	927.2	927.5	927.8	928.0	928.3	928.0	927.8	927.5	927.2	927.1
127.5°	986.6	986.5	986.2	985.9	985.7	985.4	985.7	985.9	986.2	986.5	986.6
130°	1043.8	1043.8	1043.8	1043.8	1043.8	1043.8	1043.8	1043.8	1043.8	1043.8	1043.8
132.5°	1098.6	1098.5	1098.2	1097.9	1097.7	1097.4	1097.7	1097.9	1098.2	1098.5	1098.6
135°	1148.7	1149.0	1149.5	1150.0	1150.5	1151.0	1150.5	1150.0	1149.5	1149.0	1148.7
137.5°	1197.7	1197.6	1197.3	1197.0	1196.8	1196.5	1196.8	1197.0	1197.3	1197.6	1197.7
140°	1243.2	1243.3	1243.6	1243.8	1244.1	1244.3	1244.1	1243.8	1243.6	1243.3	1243.2
142.5°	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0	1284.0
145°	1322.5	1322.8	1323.3	1323.8	1324.3	1324.8	1324.3	1323.8	1323.3	1322.8	1322.5
147.5°	1357.5	1357.6	1357.9	1358.1	1358.4	1358.6	1358.4	1358.1	1357.9	1357.6	1357.5
150°	1390.1	1390.2	1390.5	1390.8	1391.0	1391.3	1391.0	1390.8	1390.5	1390.2	1390.1
152.5°	1420.4	1420.3	1420.0	1419.8	1419.5	1419.3	1419.5	1419.8	1420.0	1420.3	1420.4
155°	1447.3	1446.9	1446.1	1445.4	1444.6	1443.8	1444.6	1445.4	1446.1	1446.9	1447.3
157.5°	1470.6	1470.0	1468.7	1467.4	1466.1	1464.8	1466.1	1467.4	1468.7	1470.0	1470.6
160°	1492.7	1491.9	1490.4	1488.8	1487.3	1485.7	1487.3	1488.8	1490.4	1491.9	1492.7
162.5°	1510.2	1509.3	1507.5	1505.7	1503.9	1502.1	1503.9	1505.7	1507.5	1509.3	1510.2
165°	1527.7	1526.5	1524.2	1521.9	1519.5	1517.2	1519.5	1521.9	1524.2	1526.5	1527.7
167.5°	1540.6	1539.3	1536.7	1534.1	1531.5	1528.9	1531.5	1534.1	1536.7	1539.3	1540.6
170°	1551.1	1549.8	1547.2	1544.6	1542.0	1539.4	1542.0	1544.6	1547.2	1549.8	1551.1
172.5°	1558.1	1556.7	1553.8	1550.9	1548.1	1545.2	1548.1	1550.9	1553.8	1556.7	1558.1
175°	1563.9	1562.3	1559.2	1556.1	1553.0	1549.9	1553.0	1556.1	1559.2	1562.3	1563.9
177.5°	1566.2	1564.6	1561.5	1558.4	1555.3	1552.2	1555.3	1558.4	1561.5	1564.6	1566.2
180°	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9	1665.9
2.5°	1566.5	1574.8	1566.5	1572.1	1574.8	1581.7	1584.5	1596.9	1601.1	1610.7	1610.7
5°	1472.7	1476.8	1478.2	1483.7	1489.3	1503.1	1512.7	1530.7	1551.4	1554.1	1566.5
7.5°	1396.8	1403.7	1414.7	1410.6	1420.2	1440.9	1453.4	1475.5	1496.2	1507.2	1522.4
10°	1329.2	1337.4	1341.6	1345.7	1363.7	1381.6	1400.9	1416.1	1443.7	1460.3	1472.7
12.5°	1273.9	1267.0	1275.3	1290.5	1311.2	1322.3	1348.5	1371.9	1392.6	1410.6	1421.6
15°	1202.2	1207.7	1216.0	1242.2	1247.7	1275.3	1285.0	1311.2	1349.9	1366.4	1380.2
17.5°	1133.2	1151.1	1167.7	1177.3	1193.9	1216.0	1243.6	1272.6	1297.4	1316.7	1333.3
20°	1078.0	1095.9	1105.6	1112.5	1129.0	1159.4	1185.6	1221.5	1253.2	1268.4	1290.5
22.5°	1033.8	1033.8	1047.6	1068.3	1078.0	1106.9	1129.0	1167.7	1202.2	1221.5	1242.2
25°	978.6	986.9	997.9	1015.8	1029.6	1053.1	1084.9	1118.0	1155.2	1171.8	1198.0
27.5°	933.0	942.7	957.9	962.0	975.8	996.5	1029.6	1065.5	1104.2	1122.1	1144.2
30°	898.5	904.0	909.6	917.8	930.3	948.2	975.8	1007.6	1054.5	1068.3	1095.9
32.5°	868.2	870.9	873.7	880.6	887.5	905.4	927.5	962.0	1000.7	1021.4	1046.2
35°	840.6	837.8	839.2	843.3	850.2	857.1	880.6	909.6	945.5	970.3	989.6
37.5°	814.3	808.8	807.4	807.4	810.2	818.5	836.4	861.3	899.9	920.6	939.9
40°	785.3	779.8	777.1	775.7	774.3	779.8	793.6	818.5	848.8	868.2	890.2
42.5°	757.7	752.2	745.3	743.9	741.2	743.9	753.6	777.1	803.3	822.6	840.6
45°	730.1	720.5	712.2	706.7	708.1	703.9	710.8	728.8	759.1	771.5	789.5
47.5°	699.8	688.7	677.7	672.2	666.6	669.4	672.2	687.3	713.6	726.0	743.9
50°	670.8	655.6	643.2	636.3	632.1	629.4	632.1	647.3	666.6	677.7	692.9
52.5°	637.7	622.5	610.1	599.0	593.5	589.4	590.7	604.5	622.5	633.5	648.7
55°	607.3	588.0	571.4	557.6	553.5	552.1	550.7	560.4	575.6	586.6	599.0
57.5°	572.8	553.5	535.5	519.0	510.7	509.3	509.3	512.1	531.4	539.7	546.6
60°	538.3	517.6	498.3	483.1	470.7	466.5	465.1	470.7	480.3	488.6	498.3
62.5°	499.6	478.9	455.5	441.7	429.2	418.2	422.3	423.7	437.5	441.7	450.0
65°	462.4	438.9	419.6	397.5	383.7	376.8	374.0	376.8	387.8	389.2	394.7
67.5°	419.6	397.5	374.0	358.9	346.4	334.0	331.3	331.3	336.8	340.9	347.8
70°	378.2	356.1	329.9	313.3	300.9	289.8	285.7	284.3	288.5	291.2	298.1
72.5°	329.9	307.8	288.5	270.5	255.3	247.1	242.9	240.2	244.3	247.1	248.4
75°	278.8	260.9	241.5	223.6	213.9	205.7	200.1	196.0	198.8	198.8	198.8
77.5°	230.5	212.6	197.4	184.9	172.5	162.9	158.7	154.6	156.0	156.0	158.7
80°	179.4	167.0	154.6	143.5	132.5	124.2	121.5	117.3	114.6	113.2	113.2
82.5°	132.5	122.8	111.8	102.1	96.6	88.3	85.6	80.1	80.1	78.7	78.7
85°	88.3	82.8	71.8	64.9	60.7	56.6	53.8	51.1	46.9	46.9	45.5
87.5°	46.9	44.2	41.4	33.1	33.1	29.0	27.6	26.2	22.1	23.5	23.5
90°	31.9	30.4	28.8	27.3	25.7	23.6	21.5	19.4	17.3	16.3	14.9
92.5°	30.7	29.2	27.6	26.1	24.5	22.4	20.4	18.3	16.2	15.2	15.5
95°	31.9	30.4	28.8	27.3	25.7	25.4	25.2	24.9	24.6	24.5	28.9
97.5°	30.9	29.6	28.3	27.0	25.7	52.9	80.1	107.3	134.5	148.1	145.3
100°	33.7	38.1	42.5	46.9	51.3	87.1	122.8	158.6	194.3	212.2	209.9
102.5°	63.0	121.3	179.6	237.9	296.2	293.1	290.0	286.9	283.8	282.2	280.6
105°	373.2	370.9	368.6	366.2	363.9	362.6	361.3	360.0	358.7	358.0	357.2
107.5°	443.7	442.4	441.1	439.8	438.5	436.7	434.9	433.0	431.2	430.3	429.9
110°	516.3	515.8	515.3	514.8	514.3	512.7	511.2	509.6	508.1	507.3	506.9

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	586.7	587.0	587.3	587.5	587.8	587.3	586.7	586.2	585.7	585.4	584.6
115°	659.8	659.3	658.8	658.2	657.7	658.0	658.2	658.5	658.8	658.9	658.5
117.5°	731.3	731.6	731.9	732.1	732.4	731.6	730.8	730.1	729.3	728.9	728.4
120°	799.7	799.2	798.7	798.2	797.7	798.0	798.2	798.5	798.8	798.9	798.4
122.5°	865.2	864.9	864.7	864.4	864.2	863.7	863.1	862.6	862.1	861.8	861.5
125°	926.7	925.9	925.2	924.4	923.6	924.1	924.7	925.2	925.7	926.0	925.5
127.5°	986.7	987.0	987.3	987.5	987.8	986.5	985.2	983.9	982.6	981.9	981.8
130°	1043.7	1043.4	1043.1	1042.9	1042.6	1041.8	1041.0	1040.3	1039.5	1039.1	1039.0
132.5°	1098.5	1098.2	1097.9	1097.7	1097.4	1096.4	1095.3	1094.3	1093.2	1092.7	1092.4
135°	1148.4	1147.9	1147.4	1146.9	1146.4	1145.4	1144.3	1143.3	1142.2	1141.7	1141.8
137.5°	1197.4	1196.9	1196.4	1195.9	1195.4	1194.1	1192.8	1191.5	1190.2	1189.5	1189.5
140°	1242.8	1242.0	1241.3	1240.5	1239.7	1239.2	1238.6	1238.1	1237.6	1237.3	1237.0
142.5°	1283.7	1283.2	1282.7	1282.2	1281.7	1281.4	1281.2	1280.9	1280.6	1280.5	1280.0
145°	1322.4	1322.1	1321.8	1321.6	1321.3	1321.3	1321.3	1321.3	1321.3	1321.3	1320.9
147.5°	1357.4	1357.1	1356.8	1356.6	1356.3	1356.6	1356.8	1357.1	1357.4	1357.5	1356.7
150°	1390.1	1390.1	1390.1	1390.1	1390.1	1390.4	1390.6	1390.9	1391.2	1391.3	1390.8
152.5°	1420.1	1419.6	1419.1	1418.6	1418.1	1418.6	1419.1	1419.6	1420.1	1420.4	1420.0
155°	1446.8	1445.7	1444.7	1443.6	1442.6	1443.4	1444.2	1444.9	1445.7	1446.1	1446.0
157.5°	1470.0	1468.7	1467.4	1466.1	1464.8	1465.8	1466.8	1467.9	1468.9	1469.4	1469.4
160°	1491.9	1490.4	1488.8	1487.3	1485.7	1486.0	1486.2	1486.5	1486.8	1486.9	1487.3
162.5°	1509.4	1507.9	1506.3	1504.8	1503.2	1503.5	1503.7	1504.0	1504.3	1504.4	1504.9
165°	1526.7	1524.6	1522.5	1520.5	1518.4	1518.4	1518.4	1518.4	1518.4	1518.4	1519.0
167.5°	1539.4	1537.1	1534.8	1532.4	1530.1	1530.3	1530.6	1530.8	1531.1	1531.2	1531.9
170°	1550.1	1548.0	1545.9	1543.8	1541.7	1541.5	1541.2	1541.0	1540.7	1540.6	1541.4
172.5°	1557.1	1555.0	1552.9	1550.8	1548.7	1548.5	1548.2	1548.0	1547.7	1547.6	1548.4
175°	1562.7	1560.4	1558.1	1555.7	1553.4	1553.1	1552.9	1552.6	1552.3	1552.2	1553.0
177.5°	1565.2	1563.1	1561.0	1559.0	1556.9	1556.4	1555.9	1555.4	1554.9	1554.6	1555.5
180°	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2	1559.2

TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1665.9	1665.9	1665.9	1665.9
2.5°	1620.4	1634.2	1646.6	1665.9
5°	1584.5	1603.8	1630.0	1659.0
7.5°	1543.1	1573.5	1608.0	1648.0
10°	1504.4	1538.9	1583.1	1631.4
12.5°	1464.4	1505.8	1554.1	1606.6
15°	1418.9	1460.3	1514.1	1584.5
17.5°	1377.5	1427.1	1485.1	1559.6
20°	1329.2	1376.1	1439.6	1525.1
22.5°	1286.4	1340.2	1410.6	1485.1
25°	1239.4	1286.4	1356.8	1446.5
27.5°	1192.5	1250.5	1318.1	1405.1
30°	1147.0	1195.3	1268.4	1359.5
32.5°	1097.3	1155.2	1222.9	1308.4
35°	1043.4	1098.7	1162.1	1254.6
37.5°	995.1	1049.0	1113.8	1195.3
40°	941.3	997.9	1057.2	1138.7
42.5°	888.9	939.9	999.3	1073.8
45°	837.8	882.0	935.8	1000.7
47.5°	785.3	822.6	872.3	930.3
50°	728.8	768.8	806.0	854.4
52.5°	676.3	710.8	741.2	781.2
55°	625.2	648.7	673.5	703.9
57.5°	571.4	589.4	607.3	639.0
60°	517.6	534.1	543.8	564.5
62.5°	465.1	472.0	484.5	496.9
65°	407.2	416.8	423.7	438.9
67.5°	354.7	358.9	365.8	375.4
70°	299.5	309.2	311.9	318.8
72.5°	252.6	256.7	259.5	260.9
75°	200.1	204.3	207.0	215.3
77.5°	157.3	156.0	161.5	162.9
80°	115.9	111.8	113.2	118.7
82.5°	75.9	77.3	75.9	75.9
85°	46.9	45.5	42.8	44.2
87.5°	20.7	20.7	19.3	19.3
90°	12.0	9.2	6.3	3.5
92.5°	16.0	16.5	17.0	17.5
95°	37.7	46.5	55.3	64.1
97.5°	139.6	133.9	128.2	122.5
100°	205.2	200.6	195.9	191.3
102.5°	277.5	274.4	271.3	268.2
105°	355.7	354.1	352.6	351.0
107.5°	429.1	428.4	427.6	426.8
110°	506.1	505.4	504.6	503.8



TEST NUMBER: P1000580

CATALOG NUMBER: SA4XXDIP-B1020D1205UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	583.1	581.5	580.0	578.4
115°	657.7	657.0	656.2	655.4
117.5°	727.3	726.3	725.2	724.2
120°	797.3	796.3	795.2	794.2
122.5°	861.0	860.5	860.0	859.5
125°	924.4	923.4	922.3	921.3
127.5°	981.5	981.3	981.0	980.8
130°	1038.7	1038.4	1038.2	1037.9
132.5°	1091.9	1091.4	1090.9	1090.4
135°	1142.1	1142.4	1142.6	1142.9
137.5°	1189.5	1189.5	1189.5	1189.5
140°	1236.5	1236.0	1235.5	1235.0
142.5°	1278.9	1277.9	1276.8	1275.8
145°	1320.1	1319.4	1318.6	1317.8
147.5°	1355.2	1353.6	1352.1	1350.5
150°	1389.7	1388.7	1387.6	1386.6
152.5°	1419.2	1418.5	1417.7	1416.9
155°	1445.7	1445.4	1445.2	1444.9
157.5°	1469.4	1469.4	1469.4	1469.4
160°	1488.1	1488.8	1489.6	1490.4
162.5°	1506.0	1507.0	1508.1	1509.1
165°	1520.3	1521.6	1522.9	1524.2
167.5°	1533.2	1534.5	1535.8	1537.1
170°	1542.9	1544.5	1546.0	1547.6
172.5°	1549.9	1551.5	1553.0	1554.6
175°	1554.5	1556.1	1557.6	1559.2
177.5°	1557.3	1559.1	1560.9	1562.7
180°	1559.2	1559.2	1559.2	1559.2

(END OF REPORT)