

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: P999872

Luminaire Tested: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999872
REPORT IS A COMBINATION OF REPORTS P988427 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

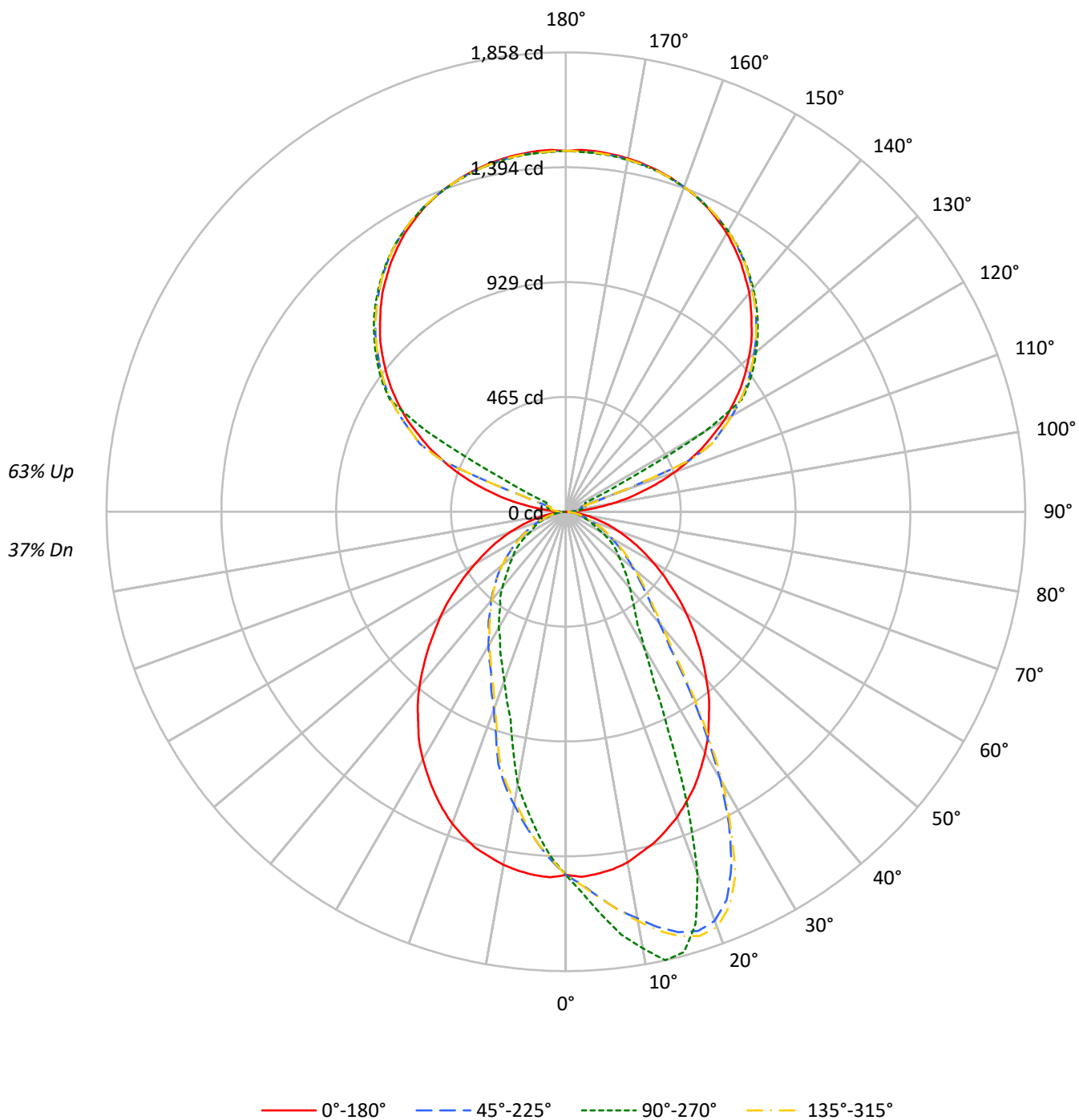
Lumens per Lamp: N/A
Luminaire Lumens: 6820.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 70.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44
1	95	91	88	85	87	83	80	77	68	66	64	53	52	51	40	39	39
2	87	81	75	70	79	73	69	64	60	57	54	48	45	43	36	35	33
3	80	71	65	59	73	65	59	55	53	49	46	43	40	37	33	31	29
4	74	64	56	51	67	58	52	47	48	43	40	38	35	33	29	27	26
5	68	57	49	44	61	52	46	41	43	38	35	35	31	29	27	25	23
6	63	51	44	38	57	47	40	36	39	34	30	32	28	25	25	22	20
7	58	46	39	34	53	43	36	31	36	31	27	29	25	23	23	20	18
8	54	42	35	30	49	39	32	28	33	28	24	27	23	20	21	19	17
9	50	39	32	27	46	36	29	25	30	25	22	25	21	19	20	17	15
10	47	36	29	24	43	33	27	23	28	23	20	23	19	17	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23247	23247	23247	23247
5°	23302	24693	23383	19726
10°	23046	26100	23209	16290
15°	22546	26107	22927	12237
20°	21943	21581	22421	10097
25°	21215	13485	21672	8588
30°	20283	8634	20834	7394
35°	19151	6635	19770	6327
40°	17887	5577	18652	5535
45°	16539	4747	17230	4647
50°	15156	4033	15864	4019
55°	13624	3505	14360	3460
60°	12265	2672	12915	2641
65°	10992	2012	11646	2282
70°	9593	1606	10342	1859
75°	8106	1231	8850	1407
80°	6435	837	6930	923
85°	4464	433	4902	456

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 21267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	2.0
10°-20°	388.8	5.7
20°-30°	500.4	7.3
30°-40°	474.7	7.0
40°-50°	406.9	6.0
50°-60°	309.9	4.5
60°-70°	195.4	2.9
70°-80°	97.5	1.4
80°-90°	27.6	0.4
90°-100°	48.2	0.7
100°-110°	179.4	2.6
110°-120°	475.9	7.0
120°-130°	789.3	11.6
130°-140°	838.4	12.3
140°-150°	779.2	11.4
150°-160°	626.5	9.2
160°-170°	403.7	5.9
170°-180°	138.9	2.0
0°-30°	1028.6	15.1
0°-40°	1503.3	22.0
0°-60°	2220.0	32.6
0°-90°	2540.6	37.3
90°-120°	703.5	10.3
90°-150°	3110.4	45.6
90°-180°	4279.0	62.7
0°-180°	6820.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1469	1469	1469	1469	1469	
5°	1470	1634	1475	1305	1470	139
15°	1385	1844	1408	864	1385	390
25°	1229	984	1255	627	1229	564
35°	1008	485	1041	462	1008	631
45°	757	337	789	330	757	585
55°	511	234	539	231	511	461
65°	309	122	328	138	309	307
75°	145	64	158	74	145	157
85°	32	18	35	19	32	36
90°	1	28	1	28	1	6
95°	69	45	69	45	69	81
105°	321	80	321	80	321	343
115°	607	87	607	87	607	598
125°	859	903	859	903	859	766
135°	1063	1097	1063	1097	1063	821
145°	1233	1252	1233	1252	1233	771
155°	1357	1358	1357	1358	1357	625
165°	1430	1427	1430	1427	1430	404
175°	1463	1454	1463	1454	1463	139
180°	1460	1460	1460	1460	1460	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1477.8	1484.0	1487.0	1491.1	1500.3	1506.4	1515.6	1517.6	1516.6	1520.7	1509.5
5°	1469.7	1482.9	1495.2	1505.4	1521.7	1531.9	1543.1	1556.4	1559.5	1574.8	1565.6
7.5°	1458.4	1477.8	1495.2	1515.6	1540.1	1553.4	1570.7	1591.1	1600.3	1618.7	1623.8
10°	1440.1	1467.6	1497.2	1518.7	1552.3	1575.8	1592.1	1624.8	1646.2	1673.8	1669.7
12.5°	1410.5	1446.2	1486.0	1521.7	1565.6	1580.9	1611.5	1645.2	1672.8	1698.3	1720.7
15°	1385.0	1425.8	1469.7	1513.6	1563.6	1592.1	1622.8	1666.6	1696.2	1741.1	1760.5
17.5°	1350.3	1402.3	1454.4	1503.3	1562.5	1595.2	1633.0	1675.8	1719.7	1762.6	1777.9
20°	1314.5	1370.7	1426.8	1493.1	1560.5	1592.1	1630.9	1684.0	1726.9	1760.5	1760.5
22.5°	1271.7	1340.0	1404.3	1467.6	1541.1	1587.0	1626.8	1689.1	1719.7	1726.9	1699.3
25°	1228.8	1297.2	1367.6	1446.2	1529.9	1570.7	1615.6	1673.8	1684.0	1655.4	1584.0
27.5°	1177.8	1254.3	1333.9	1418.6	1506.4	1557.4	1598.3	1637.0	1617.7	1541.1	1429.9
30°	1125.7	1208.4	1298.2	1378.8	1485.0	1531.9	1566.6	1577.8	1516.6	1392.1	1248.2
32.5°	1071.6	1152.3	1247.2	1344.1	1451.3	1496.2	1518.7	1489.1	1376.8	1219.6	1044.1
35°	1008.4	1099.2	1198.2	1299.2	1405.4	1439.0	1452.3	1379.9	1235.9	1032.8	858.3
37.5°	951.2	1042.0	1148.2	1251.3	1354.3	1372.7	1359.4	1246.2	1063.5	862.4	692.0
40°	883.8	980.8	1084.9	1200.2	1284.9	1290.0	1257.4	1110.4	883.8	695.0	589.9
42.5°	821.6	919.6	1023.7	1141.0	1205.3	1188.0	1144.1	951.2	737.9	599.1	514.4
45°	757.3	850.2	962.4	1066.5	1112.5	1071.6	1005.3	800.2	619.5	515.4	450.1
47.5°	695.0	781.8	893.0	993.0	1001.2	955.3	876.7	670.5	536.8	453.1	400.1
50°	633.8	720.5	824.6	907.3	899.1	835.9	747.1	582.8	466.4	400.1	356.2
52.5°	572.6	651.1	752.2	817.5	782.8	721.6	633.8	494.0	407.2	349.0	315.4
55°	511.3	584.8	671.6	725.6	670.5	600.1	537.9	423.5	353.1	306.2	280.7
57.5°	460.3	518.5	598.1	630.7	564.4	509.3	455.2	364.4	306.2	272.5	242.9
60°	404.2	457.2	522.5	541.9	473.6	428.7	382.7	308.2	262.3	232.7	213.3
62.5°	356.2	400.1	450.1	450.1	389.9	356.2	321.5	258.2	220.4	197.0	187.8
65°	309.2	340.9	376.6	372.5	321.5	291.9	264.3	213.3	184.7	168.4	159.2
67.5°	263.3	287.8	311.3	297.0	260.3	234.7	209.2	172.5	153.1	141.9	129.6
70°	221.5	240.9	253.1	239.8	203.1	181.7	163.3	138.8	123.5	109.2	102.1
72.5°	185.7	193.9	198.0	181.7	151.0	138.8	125.5	108.2	94.9	87.8	85.7
75°	144.9	152.1	149.0	136.8	111.2	102.1	91.9	79.6	76.5	72.5	70.4
77.5°	113.3	113.3	108.2	97.0	79.6	72.5	68.4	62.3	59.2	58.2	56.1
80°	80.6	79.6	76.5	64.3	54.1	50.0	50.0	45.9	44.9	42.9	42.9
82.5°	53.1	53.1	49.0	38.8	35.7	34.7	33.7	31.6	31.6	30.6	30.6
85°	31.6	29.6	24.5	21.4	20.4	20.4	19.4	18.4	19.4	18.4	18.4
87.5°	14.3	11.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
90°	1.1	3.7	6.3	8.8	11.4	12.7	13.6	15.5	17.4	19.2	21.1
92.5°	26.4	25.5	24.5	23.6	22.7	22.2	22.5	23.2	23.9	24.6	25.3
95°	68.7	60.9	53.2	45.4	37.7	33.8	34.6	36.3	37.9	39.6	41.2
97.5°	123.6	104.4	85.1	65.9	46.6	37.0	38.9	42.6	46.4	50.1	53.9
100°	187.0	154.8	122.6	90.5	58.3	42.2	44.2	48.2	52.2	56.2	60.2
102.5°	256.7	256.2	255.8	255.3	254.8	254.6	233.2	190.5	147.8	105.0	62.3
105°	321.1	328.1	335.2	342.2	349.3	352.8	320.8	256.7	192.6	128.5	64.4
107.5°	396.1	402.0	407.8	413.7	419.6	422.5	382.9	303.8	224.7	145.6	66.5
110°	467.9	472.8	477.8	482.7	487.6	490.1	456.2	388.3	320.5	252.6	184.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	535.5	539.7	543.9	548.2	552.4	554.5	552.5	548.5	544.6	540.6	536.6
115°	607.3	611.3	615.3	619.3	623.3	625.3	628.2	634.1	640.0	645.8	651.7
117.5°	669.7	674.4	679.1	683.8	688.5	690.8	692.8	696.8	700.7	704.7	708.7
120°	739.4	742.9	746.4	749.9	753.4	755.2	757.3	761.5	765.8	770.0	774.2
122.5°	798.5	802.3	806.0	809.8	813.5	815.4	817.7	822.4	827.1	831.8	836.5
125°	858.7	861.8	864.8	867.9	871.0	872.5	874.7	879.2	883.6	888.1	892.5
127.5°	913.7	917.0	920.2	923.5	926.8	928.4	930.2	933.7	937.2	940.8	944.3
130°	965.4	969.2	972.9	976.7	980.4	982.3	983.6	986.2	988.7	991.3	993.9
132.5°	1018.2	1021.3	1024.3	1027.4	1030.5	1032.0	1033.3	1035.9	1038.4	1041.0	1043.6
135°	1062.6	1066.4	1070.1	1073.9	1077.6	1079.5	1080.6	1082.7	1084.8	1086.9	1089.0
137.5°	1109.1	1111.9	1114.7	1117.5	1120.3	1121.7	1122.9	1125.2	1127.6	1129.9	1132.3
140°	1154.5	1156.4	1158.2	1160.1	1162.0	1162.9	1164.2	1166.8	1169.3	1171.9	1174.5
142.5°	1192.5	1194.1	1195.8	1197.4	1199.1	1199.9	1201.4	1204.5	1207.5	1210.6	1213.6
145°	1232.6	1232.4	1232.2	1231.9	1231.7	1231.6	1233.6	1237.6	1241.5	1245.5	1249.5
147.5°	1267.5	1266.8	1266.1	1265.4	1264.7	1264.3	1266.3	1270.3	1274.3	1278.3	1282.3
150°	1301.3	1299.7	1298.0	1296.4	1294.7	1293.9	1295.8	1299.5	1303.3	1307.0	1310.8
152.5°	1329.8	1327.9	1326.1	1324.2	1322.3	1321.4	1323.2	1326.7	1330.2	1333.7	1337.2
155°	1357.3	1355.2	1353.1	1351.0	1348.9	1347.8	1349.2	1352.0	1354.8	1357.6	1360.4
157.5°	1379.5	1377.6	1375.7	1373.8	1371.9	1371.0	1372.1	1374.2	1376.3	1378.4	1380.5
160°	1398.5	1397.1	1395.7	1394.2	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5
162.5°	1415.4	1414.0	1412.6	1411.1	1409.7	1409.0	1409.6	1410.8	1411.9	1413.1	1414.3
165°	1430.2	1428.8	1427.4	1425.9	1424.5	1423.8	1424.2	1424.9	1425.6	1426.3	1427.0
167.5°	1441.8	1440.4	1439.0	1437.5	1436.1	1435.4	1435.8	1436.5	1437.2	1437.9	1438.6
170°	1451.3	1449.9	1448.5	1447.0	1445.6	1444.9	1445.1	1445.6	1446.1	1446.6	1447.1
172.5°	1457.6	1456.2	1454.8	1453.4	1452.0	1451.3	1451.5	1452.0	1452.5	1452.9	1453.4
175°	1462.9	1461.3	1459.6	1458.0	1456.3	1455.5	1455.7	1456.2	1456.7	1457.1	1457.6
177.5°	1465.0	1463.4	1461.7	1460.1	1458.4	1457.6	1457.7	1458.0	1458.2	1458.5	1458.7
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1520.7	1522.7	1525.8	1540.1	1542.1	1546.2	1544.2	1544.2	1545.2	1543.1	1544.2
5°	1586.0	1589.1	1604.4	1621.7	1625.8	1621.7	1626.8	1634.0	1634.0	1634.0	1631.9
7.5°	1647.2	1658.5	1675.8	1701.3	1706.4	1711.5	1720.7	1714.6	1716.7	1725.8	1722.8
10°	1706.4	1722.8	1742.2	1763.6	1774.8	1782.0	1786.1	1795.2	1816.7	1792.2	1801.4
12.5°	1762.6	1786.1	1806.5	1829.9	1838.1	1847.3	1850.3	1858.5	1858.5	1857.5	1864.6
15°	1799.3	1820.8	1839.1	1854.4	1856.5	1854.4	1852.4	1853.4	1856.5	1844.2	1851.4
17.5°	1807.5	1809.5	1815.6	1809.5	1810.5	1789.1	1776.9	1773.8	1745.2	1746.2	1769.7
20°	1767.7	1733.0	1723.8	1690.1	1669.7	1614.6	1612.5	1597.2	1537.0	1555.4	1551.3
22.5°	1658.5	1599.3	1520.7	1481.9	1462.5	1404.3	1359.4	1327.8	1306.4	1284.9	1275.8
25°	1514.6	1418.6	1307.4	1230.8	1219.6	1165.5	1082.9	1044.1	998.1	983.9	1008.4
27.5°	1328.8	1204.3	1078.8	961.4	940.0	891.0	849.1	821.6	768.5	765.5	767.5
30°	1076.7	951.2	846.1	769.5	716.5	694.0	666.5	646.0	624.6	632.8	634.8
32.5°	884.9	765.5	667.5	626.6	602.2	587.9	564.4	551.1	541.9	538.9	537.9
35°	703.2	623.6	579.7	539.9	525.6	515.4	498.1	491.9	483.8	484.8	484.8
37.5°	602.2	535.8	503.2	482.7	469.5	464.4	453.1	447.0	441.9	439.9	442.9
40°	519.5	473.6	453.1	434.8	423.5	421.5	415.4	408.2	402.1	403.1	406.2
42.5°	459.3	432.7	408.2	394.0	385.8	382.7	377.6	372.5	372.5	369.5	368.4
45°	411.3	389.9	369.5	356.2	351.1	347.0	340.9	339.9	335.8	336.8	337.8
47.5°	368.4	351.1	335.8	322.5	317.4	316.4	310.3	306.2	306.2	305.2	304.1
50°	329.7	312.3	299.0	291.9	284.7	282.7	281.7	280.7	278.6	278.6	279.6
52.5°	298.0	280.7	270.5	264.3	260.3	258.2	258.2	257.2	257.2	257.2	256.2
55°	263.3	249.0	240.9	238.8	236.8	235.8	234.7	232.7	231.7	233.7	231.7
57.5°	230.7	225.6	218.4	216.4	211.3	211.3	208.2	206.2	204.1	206.2	206.2
60°	205.1	198.0	193.9	187.8	183.7	179.6	174.5	173.5	171.5	170.4	169.4
62.5°	178.6	172.5	162.3	153.1	147.0	142.9	140.8	139.8	139.8	138.8	138.8
65°	149.0	134.7	129.6	126.6	125.5	124.5	122.5	121.5	122.5	121.5	122.5
67.5°	116.3	114.3	111.2	109.2	108.2	107.2	107.2	106.1	106.1	106.1	106.1
70°	101.0	95.9	94.9	92.9	92.9	91.9	91.9	91.9	91.9	90.8	92.9
72.5°	83.7	80.6	79.6	78.6	78.6	78.6	77.6	77.6	77.6	76.5	77.6
75°	68.4	67.4	65.3	65.3	64.3	65.3	64.3	64.3	63.3	64.3	64.3
77.5°	55.1	54.1	53.1	53.1	52.1	52.1	52.1	52.1	52.1	52.1	53.1
80°	41.8	40.8	39.8	40.8	39.8	40.8	39.8	39.8	40.8	39.8	39.8
82.5°	30.6	29.6	29.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
85°	18.4	17.4	17.4	18.4	17.4	18.4	17.4	17.4	17.4	18.4	18.4
87.5°	8.2	9.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.2
90°	22.3	23.5	24.6	25.8	26.4	26.6	27.1	27.6	28.0	28.5	28.0
92.5°	25.8	26.3	26.8	27.3	27.5	27.6	27.8	28.1	28.3	28.5	28.3
95°	42.4	43.6	44.7	45.9	46.5	46.4	46.1	45.9	45.6	45.4	45.6
97.5°	54.6	55.3	56.0	56.7	57.0	57.1	57.4	57.6	57.9	58.1	57.9
100°	62.1	64.0	65.9	67.8	68.7	68.9	69.4	69.9	70.3	70.8	70.3
102.5°	64.9	67.5	70.0	72.6	73.9	74.3	75.0	75.7	76.4	77.1	76.4
105°	67.0	69.6	72.1	74.7	76.0	76.5	77.4	78.4	79.3	80.3	79.3
107.5°	69.1	71.7	74.3	76.9	78.2	78.7	79.6	80.5	81.5	82.4	81.5
110°	161.3	137.9	114.4	90.9	79.2	79.7	80.6	81.5	82.5	83.4	82.5

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	435.4	334.2	233.1	131.9	81.3	81.7	82.4	83.1	83.8	84.5	83.8
115°	543.0	434.4	325.7	217.0	162.7	154.2	137.3	120.4	103.5	86.6	103.5
117.5°	675.1	641.6	608.0	574.5	557.7	527.0	465.5	404.0	342.5	281.0	342.5
120°	777.0	779.8	782.7	785.5	786.9	771.1	739.4	707.7	676.0	644.3	676.0
122.5°	837.9	839.3	840.8	842.2	842.9	843.0	843.2	843.5	843.7	843.9	843.7
125°	894.1	895.8	897.4	899.1	899.9	900.3	901.0	901.7	902.4	903.1	902.4
127.5°	946.6	949.0	951.3	953.6	954.8	954.9	955.2	955.4	955.7	955.9	955.7
130°	996.5	999.1	1001.6	1004.2	1005.5	1005.4	1005.2	1004.9	1004.7	1004.5	1004.7
132.5°	1045.7	1047.8	1049.9	1052.0	1053.1	1053.0	1052.7	1052.5	1052.2	1052.0	1052.2
135°	1091.4	1093.7	1096.1	1098.4	1099.6	1099.4	1098.9	1098.4	1097.9	1097.4	1097.9
137.5°	1134.7	1137.0	1139.4	1141.7	1142.9	1142.5	1141.8	1141.1	1140.4	1139.7	1140.4
140°	1176.6	1178.8	1180.9	1183.0	1184.1	1183.5	1182.3	1181.2	1180.0	1178.8	1180.0
142.5°	1215.5	1217.4	1219.3	1221.2	1222.1	1221.5	1220.3	1219.2	1218.0	1216.8	1218.0
145°	1251.1	1252.8	1254.4	1256.1	1256.9	1256.3	1255.2	1254.0	1252.9	1251.7	1252.9
147.5°	1283.5	1284.7	1285.8	1287.0	1287.6	1287.1	1286.2	1285.2	1284.3	1283.3	1284.3
150°	1312.2	1313.6	1315.0	1316.4	1317.1	1316.5	1315.4	1314.2	1313.1	1311.9	1313.1
152.5°	1338.6	1340.0	1341.4	1342.8	1343.5	1342.7	1341.1	1339.4	1337.8	1336.2	1337.8
155°	1361.8	1363.2	1364.7	1366.1	1366.8	1365.9	1364.0	1362.1	1360.2	1358.3	1360.2
157.5°	1382.1	1383.8	1385.4	1387.1	1387.9	1387.0	1385.1	1383.2	1381.4	1379.5	1381.4
160°	1399.9	1401.3	1402.7	1404.1	1404.8	1404.0	1402.3	1400.7	1399.0	1397.4	1399.0
162.5°	1415.9	1417.6	1419.2	1420.9	1421.7	1420.6	1418.5	1416.4	1414.3	1412.2	1414.3
165°	1428.6	1430.3	1431.9	1433.6	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1428.6
167.5°	1440.2	1441.9	1443.5	1445.2	1446.0	1444.9	1442.8	1440.7	1438.6	1436.5	1438.6
170°	1448.7	1450.4	1452.0	1453.7	1454.5	1453.4	1451.3	1449.2	1447.0	1444.9	1447.0
172.5°	1455.0	1456.7	1458.3	1460.0	1460.8	1459.7	1457.6	1455.5	1453.4	1451.3	1453.4
175°	1459.2	1460.9	1462.5	1464.2	1465.0	1463.8	1461.5	1459.2	1456.8	1454.5	1456.8
177.5°	1460.3	1462.0	1463.6	1465.3	1466.1	1465.0	1462.9	1460.8	1458.7	1456.6	1458.7
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1548.3	1541.1	1539.1	1541.1	1539.1	1540.1	1532.9	1506.4	1513.6	1502.3	1508.4
5°	1636.0	1629.9	1616.6	1614.6	1612.5	1610.5	1600.3	1576.8	1567.6	1552.3	1551.3
7.5°	1719.7	1719.7	1709.5	1702.4	1693.2	1686.0	1672.8	1638.1	1623.8	1605.4	1595.2
10°	1802.4	1775.8	1787.1	1779.9	1757.5	1753.4	1728.9	1708.5	1680.9	1662.6	1646.2
12.5°	1861.6	1853.4	1843.2	1837.1	1831.0	1817.7	1801.4	1749.3	1735.0	1698.3	1679.9
15°	1859.5	1854.4	1857.5	1857.5	1855.5	1852.4	1839.1	1801.4	1776.9	1741.1	1709.5
17.5°	1759.5	1772.8	1786.1	1795.2	1815.6	1824.8	1837.1	1814.6	1799.3	1768.7	1735.0
20°	1585.0	1617.7	1656.4	1664.6	1683.0	1737.1	1761.6	1780.9	1787.1	1776.9	1749.3
22.5°	1342.1	1369.6	1463.5	1461.5	1488.0	1552.3	1623.8	1682.0	1727.9	1753.4	1743.2
25°	1051.2	1090.0	1140.0	1177.8	1264.5	1360.5	1449.3	1542.1	1621.7	1692.2	1709.5
27.5°	795.0	846.1	885.9	935.9	979.8	1093.1	1207.4	1352.3	1445.2	1578.9	1648.3
30°	643.0	666.5	706.3	729.7	751.2	837.9	967.5	1110.4	1273.7	1427.8	1547.2
32.5°	549.1	565.4	595.0	605.2	627.7	685.8	767.5	898.1	1066.5	1253.3	1410.5
35°	493.0	510.3	516.4	525.6	544.0	580.7	636.9	731.8	883.8	1066.5	1254.3
37.5°	445.0	454.2	471.5	477.6	483.8	511.3	549.1	615.4	716.5	866.5	1074.7
40°	411.3	416.4	425.6	430.7	434.8	454.2	487.8	532.8	607.3	721.6	913.4
42.5°	375.6	381.7	387.8	394.0	399.1	414.4	434.8	477.6	527.7	614.4	753.2
45°	340.9	345.0	352.1	356.2	363.3	375.6	394.0	423.5	468.5	523.6	635.8
47.5°	309.2	314.3	317.4	322.5	327.6	340.9	358.2	377.6	414.4	468.5	550.1
50°	280.7	286.8	290.9	291.9	296.0	308.2	322.5	343.9	367.4	409.3	480.7
52.5°	260.3	261.3	264.3	268.4	267.4	274.5	287.8	304.1	328.6	362.3	414.4
55°	236.8	239.8	241.9	242.9	242.9	249.0	256.2	271.5	290.9	318.4	362.3
57.5°	207.2	210.2	216.4	218.4	221.5	224.5	227.6	237.8	254.1	280.7	316.4
60°	176.6	178.6	184.7	188.8	190.9	199.0	203.1	211.3	220.4	239.8	273.5
62.5°	141.9	143.9	147.0	151.0	155.1	167.4	177.6	185.7	192.9	206.2	233.7
65°	123.5	124.5	126.6	127.6	128.6	133.7	142.9	154.1	167.4	177.6	193.9
67.5°	107.2	108.2	109.2	111.2	112.3	113.3	117.4	120.4	133.7	148.0	160.2
70°	91.9	93.9	94.9	94.9	95.9	98.0	100.0	104.1	108.2	115.3	130.6
72.5°	77.6	78.6	80.6	80.6	80.6	82.7	84.7	86.8	88.8	92.9	99.0
75°	64.3	66.3	66.3	66.3	67.4	67.4	69.4	71.4	73.5	76.5	78.6
77.5°	53.1	53.1	53.1	53.1	54.1	54.1	55.1	57.2	58.2	59.2	61.2
80°	39.8	40.8	40.8	40.8	41.8	41.8	41.8	43.9	44.9	44.9	46.9
82.5°	29.6	29.6	29.6	30.6	29.6	30.6	30.6	31.6	30.6	31.6	32.7
85°	18.4	18.4	18.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	20.4
87.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	10.2	9.2	9.2
90°	27.6	27.1	26.6	26.4	25.8	24.6	23.5	22.3	21.1	19.2	17.4
92.5°	28.1	27.8	27.6	27.5	27.3	26.8	26.3	25.8	25.3	24.6	23.9
95°	45.9	46.1	46.4	46.5	45.9	44.7	43.6	42.4	41.2	39.6	37.9
97.5°	57.6	57.4	57.1	57.0	56.7	56.0	55.3	54.6	53.9	50.1	46.4
100°	69.9	69.4	68.9	68.7	67.8	65.9	64.0	62.1	60.2	56.2	52.2
102.5°	75.7	75.0	74.3	73.9	72.6	70.0	67.5	64.9	62.3	105.0	147.8
105°	78.4	77.4	76.5	76.0	74.7	72.1	69.6	67.0	64.4	128.5	192.6
107.5°	80.5	79.6	78.7	78.2	76.9	74.3	71.7	69.1	66.5	145.6	224.7
110°	81.5	80.6	79.7	79.2	90.9	114.4	137.9	161.3	184.8	252.6	320.5

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.1	82.4	81.7	81.3	131.9	233.1	334.2	435.4	536.6	540.6	544.6
115°	120.4	137.3	154.2	162.7	217.0	325.7	434.4	543.0	651.7	645.8	640.0
117.5°	404.0	465.5	527.0	557.7	574.5	608.0	641.6	675.1	708.7	704.7	700.7
120°	707.7	739.4	771.1	786.9	785.5	782.7	779.8	777.0	774.2	770.0	765.8
122.5°	843.5	843.2	843.0	842.9	842.2	840.8	839.3	837.9	836.5	831.8	827.1
125°	901.7	901.0	900.3	899.9	899.1	897.4	895.8	894.1	892.5	888.1	883.6
127.5°	955.4	955.2	954.9	954.8	953.6	951.3	949.0	946.6	944.3	940.8	937.2
130°	1004.9	1005.2	1005.4	1005.5	1004.2	1001.6	999.1	996.5	993.9	991.3	988.7
132.5°	1052.5	1052.7	1053.0	1053.1	1052.0	1049.9	1047.8	1045.7	1043.6	1041.0	1038.4
135°	1098.4	1098.9	1099.4	1099.6	1098.4	1096.1	1093.7	1091.4	1089.0	1086.9	1084.8
137.5°	1141.1	1141.8	1142.5	1142.9	1141.7	1139.4	1137.0	1134.7	1132.3	1129.9	1127.6
140°	1181.2	1182.3	1183.5	1184.1	1183.0	1180.9	1178.8	1176.6	1174.5	1171.9	1169.3
142.5°	1219.2	1220.3	1221.5	1222.1	1221.2	1219.3	1217.4	1215.5	1213.6	1210.6	1207.5
145°	1254.0	1255.2	1256.3	1256.9	1256.1	1254.4	1252.8	1251.1	1249.5	1245.5	1241.5
147.5°	1285.2	1286.2	1287.1	1287.6	1287.0	1285.8	1284.7	1283.5	1282.3	1278.3	1274.3
150°	1314.2	1315.4	1316.5	1317.1	1316.4	1315.0	1313.6	1312.2	1310.8	1307.0	1303.3
152.5°	1339.4	1341.1	1342.7	1343.5	1342.8	1341.4	1340.0	1338.6	1337.2	1333.7	1330.2
155°	1362.1	1364.0	1365.9	1366.8	1366.1	1364.7	1363.2	1361.8	1360.4	1357.6	1354.8
157.5°	1383.2	1385.1	1387.0	1387.9	1387.1	1385.4	1383.8	1382.1	1380.5	1378.4	1376.3
160°	1400.7	1402.3	1404.0	1404.8	1404.1	1402.7	1401.3	1399.9	1398.5	1397.1	1395.7
162.5°	1416.4	1418.5	1420.6	1421.7	1420.9	1419.2	1417.6	1415.9	1414.3	1413.1	1411.9
165°	1430.3	1431.9	1433.6	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1426.3	1425.6
167.5°	1440.7	1442.8	1444.9	1446.0	1445.2	1443.5	1441.9	1440.2	1438.6	1437.9	1437.2
170°	1449.2	1451.3	1453.4	1454.5	1453.7	1452.0	1450.4	1448.7	1447.1	1446.6	1446.1
172.5°	1455.5	1457.6	1459.7	1460.8	1460.0	1458.3	1456.7	1455.0	1453.4	1452.9	1452.5
175°	1459.2	1461.5	1463.8	1465.0	1464.2	1462.5	1460.9	1459.2	1457.6	1457.1	1456.7
177.5°	1460.8	1462.9	1465.0	1466.1	1465.3	1463.6	1462.0	1460.3	1458.7	1458.5	1458.2
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1499.3	1494.2	1494.2	1491.1	1491.1	1474.8	1474.8	1479.9	1473.7	1466.6	1456.4
5°	1538.0	1526.8	1523.8	1519.7	1506.4	1486.0	1477.8	1474.8	1462.5	1447.2	1429.9
7.5°	1574.8	1556.4	1547.2	1538.0	1520.7	1492.1	1475.8	1464.6	1446.2	1422.7	1400.3
10°	1610.5	1587.0	1563.6	1552.3	1527.8	1492.1	1468.6	1450.3	1423.7	1392.1	1360.5
12.5°	1643.2	1594.2	1590.1	1567.6	1531.9	1491.1	1455.4	1428.8	1395.2	1358.4	1321.7
15°	1671.7	1621.7	1597.2	1576.8	1529.9	1478.9	1441.1	1408.4	1363.5	1321.7	1276.8
17.5°	1686.0	1631.9	1615.6	1581.9	1534.0	1467.6	1416.6	1376.8	1327.8	1277.8	1226.8
20°	1700.3	1637.0	1610.5	1587.0	1521.7	1446.2	1389.0	1343.1	1289.0	1229.8	1173.7
22.5°	1707.5	1637.0	1605.4	1572.7	1509.5	1422.7	1355.4	1301.3	1238.0	1177.8	1110.4
25°	1695.2	1630.9	1593.2	1559.5	1488.0	1394.1	1316.6	1255.3	1188.0	1119.6	1051.2
27.5°	1664.6	1616.6	1572.7	1538.0	1458.4	1357.4	1275.8	1206.4	1136.9	1060.4	991.0
30°	1607.4	1586.0	1551.3	1512.5	1425.8	1324.7	1227.8	1156.3	1079.8	1003.3	930.8
32.5°	1518.7	1537.0	1514.6	1480.9	1387.0	1279.8	1176.8	1104.3	1020.6	937.9	871.6
35°	1410.5	1475.8	1463.5	1440.1	1346.2	1231.9	1128.8	1041.0	957.3	873.6	807.3
37.5°	1292.1	1391.1	1401.3	1387.0	1299.2	1182.9	1069.6	983.9	898.1	813.4	746.1
40°	1129.8	1281.9	1314.5	1320.7	1250.2	1123.7	1005.3	921.6	836.9	754.2	672.6
42.5°	980.8	1172.7	1213.5	1239.0	1188.0	1065.5	946.1	853.2	769.5	695.0	613.4
45°	841.0	1041.0	1107.4	1140.0	1117.6	999.2	875.7	788.9	712.4	644.0	565.4
47.5°	697.1	898.1	991.0	1043.1	1043.1	931.8	808.3	722.6	649.1	590.9	521.5
50°	601.1	768.5	864.4	932.8	951.2	863.4	747.1	663.4	594.0	530.7	477.6
52.5°	512.3	662.4	742.0	813.4	866.5	789.9	678.7	603.2	534.8	475.6	433.8
55°	442.9	555.2	627.7	706.3	765.5	715.4	612.4	538.9	479.7	430.7	395.0
57.5°	376.6	474.6	533.8	603.2	666.5	628.7	546.0	482.7	430.7	387.8	356.2
60°	320.5	400.1	446.0	500.1	578.7	552.1	483.8	425.6	383.7	345.0	318.4
62.5°	272.5	335.8	374.6	413.3	484.8	472.5	419.5	374.6	338.8	306.2	283.7
65°	223.5	275.6	306.2	339.9	397.0	402.1	359.3	327.6	295.0	266.4	246.0
67.5°	180.6	221.5	249.0	277.6	323.5	337.8	308.2	281.7	254.1	230.7	212.3
70°	145.9	174.5	194.9	217.4	255.2	272.5	257.2	238.8	216.4	197.0	180.6
72.5°	115.3	133.7	145.9	163.3	193.9	211.3	210.2	193.9	177.6	164.3	151.0
75°	84.7	99.0	109.2	120.4	144.9	161.3	165.3	158.2	141.9	131.7	121.5
77.5°	64.3	72.5	77.6	85.7	103.1	117.4	123.5	121.5	110.2	102.1	94.9
80°	49.0	51.0	53.1	56.1	70.4	83.7	87.8	86.8	80.6	77.6	69.4
82.5°	34.7	35.7	36.7	37.8	42.9	54.1	58.2	60.2	55.1	52.1	44.9
85°	20.4	21.4	21.4	23.5	24.5	27.6	34.7	34.7	33.7	29.6	28.6
87.5°	10.2	10.2	9.2	9.2	10.2	11.2	13.3	15.3	13.3	12.2	11.2
90°	15.5	13.6	12.7	11.4	8.8	6.3	3.7	1.1	3.7	6.3	8.8
92.5°	23.2	22.5	22.2	22.7	23.6	24.5	25.5	26.4	25.5	24.5	23.6
95°	36.3	34.6	33.8	37.7	45.4	53.2	60.9	68.7	60.9	53.2	45.4
97.5°	42.6	38.9	37.0	46.6	65.9	85.1	104.4	123.6	104.4	85.1	65.9
100°	48.2	44.2	42.2	58.3	90.5	122.6	154.8	187.0	154.8	122.6	90.5
102.5°	190.5	233.2	254.6	254.8	255.3	255.8	256.2	256.7	256.2	255.8	255.3
105°	256.7	320.8	352.8	349.3	342.2	335.2	328.1	321.1	328.1	335.2	342.2
107.5°	303.8	382.9	422.5	419.6	413.7	407.8	402.0	396.1	402.0	407.8	413.7
110°	388.3	456.2	490.1	487.6	482.7	477.8	472.8	467.9	472.8	477.8	482.7

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	548.5	552.5	554.5	552.4	548.2	543.9	539.7	535.5	539.7	543.9	548.2
115°	634.1	628.2	625.3	623.3	619.3	615.3	611.3	607.3	611.3	615.3	619.3
117.5°	696.8	692.8	690.8	688.5	683.8	679.1	674.4	669.7	674.4	679.1	683.8
120°	761.5	757.3	755.2	753.4	749.9	746.4	742.9	739.4	742.9	746.4	749.9
122.5°	822.4	817.7	815.4	813.5	809.8	806.0	802.3	798.5	802.3	806.0	809.8
125°	879.2	874.7	872.5	871.0	867.9	864.8	861.8	858.7	861.8	864.8	867.9
127.5°	933.7	930.2	928.4	926.8	923.5	920.2	917.0	913.7	917.0	920.2	923.5
130°	986.2	983.6	982.3	980.4	976.7	972.9	969.2	965.4	969.2	972.9	976.7
132.5°	1035.9	1033.3	1032.0	1030.5	1027.4	1024.3	1021.3	1018.2	1021.3	1024.3	1027.4
135°	1082.7	1080.6	1079.5	1077.6	1073.9	1070.1	1066.4	1062.6	1066.4	1070.1	1073.9
137.5°	1125.2	1122.9	1121.7	1120.3	1117.5	1114.7	1111.9	1109.1	1111.9	1114.7	1117.5
140°	1166.8	1164.2	1162.9	1162.0	1160.1	1158.2	1156.4	1154.5	1156.4	1158.2	1160.1
142.5°	1204.5	1201.4	1199.9	1199.1	1197.4	1195.8	1194.1	1192.5	1194.1	1195.8	1197.4
145°	1237.6	1233.6	1231.6	1231.7	1231.9	1232.2	1232.4	1232.6	1232.4	1232.2	1231.9
147.5°	1270.3	1266.3	1264.3	1264.7	1265.4	1266.1	1266.8	1267.5	1266.8	1266.1	1265.4
150°	1299.5	1295.8	1293.9	1294.7	1296.4	1298.0	1299.7	1301.3	1299.7	1298.0	1296.4
152.5°	1326.7	1323.2	1321.4	1322.3	1324.2	1326.1	1327.9	1329.8	1327.9	1326.1	1324.2
155°	1352.0	1349.2	1347.8	1348.9	1351.0	1353.1	1355.2	1357.3	1355.2	1353.1	1351.0
157.5°	1374.2	1372.1	1371.0	1371.9	1373.8	1375.7	1377.6	1379.5	1377.6	1375.7	1373.8
160°	1394.2	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5	1397.1	1395.7	1394.2
162.5°	1410.8	1409.6	1409.0	1409.7	1411.1	1412.6	1414.0	1415.4	1414.0	1412.6	1411.1
165°	1424.9	1424.2	1423.8	1424.5	1425.9	1427.4	1428.8	1430.2	1428.8	1427.4	1425.9
167.5°	1436.5	1435.8	1435.4	1436.1	1437.5	1439.0	1440.4	1441.8	1440.4	1439.0	1437.5
170°	1445.6	1445.1	1444.9	1445.6	1447.0	1448.5	1449.9	1451.3	1449.9	1448.5	1447.0
172.5°	1452.0	1451.5	1451.3	1452.0	1453.4	1454.8	1456.2	1457.6	1456.2	1454.8	1453.4
175°	1456.2	1455.7	1455.5	1456.3	1458.0	1459.6	1461.3	1462.9	1461.3	1459.6	1458.0
177.5°	1458.0	1457.7	1457.6	1458.4	1460.1	1461.7	1463.4	1465.0	1463.4	1461.7	1460.1
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1452.3	1453.3	1456.4	1447.2	1432.9	1426.8	1408.4	1405.4	1402.3	1402.3	1405.4
5°	1419.7	1415.6	1416.6	1399.2	1378.8	1366.6	1341.1	1345.2	1331.9	1323.7	1325.8
7.5°	1383.9	1372.7	1371.7	1349.2	1323.7	1301.3	1274.7	1268.6	1256.4	1242.1	1235.9
10°	1339.0	1330.9	1315.6	1290.0	1257.4	1239.0	1203.3	1181.9	1178.8	1157.4	1149.2
12.5°	1293.1	1278.8	1263.5	1227.8	1191.0	1161.4	1134.9	1111.4	1095.1	1076.7	1064.5
15°	1240.0	1222.7	1205.3	1167.6	1124.7	1095.1	1055.3	1020.6	972.6	934.9	913.4
17.5°	1181.9	1162.5	1139.0	1097.1	1055.3	1014.5	941.0	900.2	866.5	844.0	830.8
20°	1121.6	1100.2	1076.7	1034.9	962.4	891.0	850.2	818.5	798.1	775.7	759.3
22.5°	1058.4	1035.9	1010.4	945.1	868.5	818.5	786.9	757.3	727.7	715.4	707.3
25°	999.2	978.8	946.1	857.3	797.1	751.2	715.4	696.0	680.7	664.4	649.1
27.5°	937.9	900.2	854.2	779.7	742.0	695.0	669.5	655.2	628.7	617.5	610.3
30°	864.4	822.6	778.7	725.6	681.8	649.1	625.6	602.2	586.8	575.6	563.4
32.5°	789.9	750.1	722.6	667.5	634.8	601.1	578.7	564.4	541.9	534.8	529.7
35°	725.6	692.0	667.5	622.6	591.9	561.3	545.0	523.6	509.3	496.0	487.8
37.5°	662.4	644.0	618.5	580.7	548.1	523.6	501.1	494.0	474.6	467.4	459.3
40°	618.5	590.9	569.5	536.8	509.3	482.7	468.5	452.1	438.9	427.6	424.6
42.5°	565.4	545.0	532.8	497.0	468.5	453.1	435.8	417.4	407.2	398.0	386.8
45°	525.6	507.2	489.9	461.3	435.8	416.4	401.1	388.8	371.5	367.4	350.1
47.5°	483.8	465.4	452.1	423.5	400.1	381.7	370.5	354.1	339.9	330.7	322.5
50°	441.9	426.6	414.4	389.9	369.5	350.1	334.8	318.4	312.3	297.0	291.9
52.5°	402.1	391.9	378.6	355.2	334.8	318.4	302.1	288.8	279.6	271.5	265.4
55°	368.4	352.1	346.0	320.5	303.1	285.8	271.5	263.3	252.1	247.0	241.9
57.5°	330.7	321.5	311.3	291.9	272.5	256.2	246.0	233.7	227.6	221.5	217.4
60°	298.0	284.7	276.6	260.3	242.9	227.6	218.4	209.2	201.1	196.0	187.8
62.5°	260.3	250.0	244.9	227.6	213.3	199.0	190.9	181.7	175.5	166.4	156.2
65°	227.6	219.4	213.3	199.0	185.7	172.5	164.3	153.1	144.9	139.8	138.8
67.5°	199.0	192.9	183.7	170.4	157.2	147.0	137.8	128.6	127.6	125.5	125.5
70°	167.4	161.3	156.2	141.9	130.6	119.4	117.4	114.3	111.2	110.2	108.2
72.5°	139.8	134.7	128.6	116.3	105.1	102.1	100.0	98.0	94.9	93.9	92.9
75°	113.3	106.1	102.1	90.8	87.8	85.7	83.7	80.6	78.6	77.6	75.5
77.5°	86.8	79.6	79.6	73.5	71.4	68.4	66.3	64.3	63.3	61.2	61.2
80°	61.2	61.2	59.2	56.1	53.1	52.1	49.0	48.0	46.9	48.0	45.9
82.5°	44.9	40.8	40.8	38.8	36.7	35.7	33.7	33.7	32.7	32.7	32.7
85°	25.5	25.5	24.5	22.5	21.4	21.4	20.4	20.4	19.4	19.4	18.4
87.5°	10.2	9.2	10.2	9.2	9.2	8.2	8.2	8.2	7.1	8.2	7.1
90°	11.4	12.7	13.6	15.5	17.4	19.2	21.1	22.3	23.5	24.6	25.8
92.5°	22.7	22.2	22.5	23.2	23.9	24.6	25.3	25.8	26.3	26.8	27.3
95°	37.7	33.8	34.6	36.3	37.9	39.6	41.2	42.4	43.6	44.7	45.9
97.5°	46.6	37.0	38.9	42.6	46.4	50.1	53.9	54.6	55.3	56.0	56.7
100°	58.3	42.2	44.2	48.2	52.2	56.2	60.2	62.1	64.0	65.9	67.8
102.5°	254.8	254.6	233.2	190.5	147.8	105.0	62.3	64.9	67.5	70.0	72.6
105°	349.3	352.8	320.8	256.7	192.6	128.5	64.4	67.0	69.6	72.1	74.7
107.5°	419.6	422.5	382.9	303.8	224.7	145.6	66.5	69.1	71.7	74.3	76.9
110°	487.6	490.1	456.2	388.3	320.5	252.6	184.8	161.3	137.9	114.4	90.9

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	552.4	554.5	552.5	548.5	544.6	540.6	536.6	435.4	334.2	233.1	131.9
115°	623.3	625.3	628.2	634.1	640.0	645.8	651.7	543.0	434.4	325.7	217.0
117.5°	688.5	690.8	692.8	696.8	700.7	704.7	708.7	675.1	641.6	608.0	574.5
120°	753.4	755.2	757.3	761.5	765.8	770.0	774.2	777.0	779.8	782.7	785.5
122.5°	813.5	815.4	817.7	822.4	827.1	831.8	836.5	837.9	839.3	840.8	842.2
125°	871.0	872.5	874.7	879.2	883.6	888.1	892.5	894.1	895.8	897.4	899.1
127.5°	926.8	928.4	930.2	933.7	937.2	940.8	944.3	946.6	949.0	951.3	953.6
130°	980.4	982.3	983.6	986.2	988.7	991.3	993.9	996.5	999.1	1001.6	1004.2
132.5°	1030.5	1032.0	1033.3	1035.9	1038.4	1041.0	1043.6	1045.7	1047.8	1049.9	1052.0
135°	1077.6	1079.5	1080.6	1082.7	1084.8	1086.9	1089.0	1091.4	1093.7	1096.1	1098.4
137.5°	1120.3	1121.7	1122.9	1125.2	1127.6	1129.9	1132.3	1134.7	1137.0	1139.4	1141.7
140°	1162.0	1162.9	1164.2	1166.8	1169.3	1171.9	1174.5	1176.6	1178.8	1180.9	1183.0
142.5°	1199.1	1199.9	1201.4	1204.5	1207.5	1210.6	1213.6	1215.5	1217.4	1219.3	1221.2
145°	1231.7	1231.6	1233.6	1237.6	1241.5	1245.5	1249.5	1251.1	1252.8	1254.4	1256.1
147.5°	1264.7	1264.3	1266.3	1270.3	1274.3	1278.3	1282.3	1283.5	1284.7	1285.8	1287.0
150°	1294.7	1293.9	1295.8	1299.5	1303.3	1307.0	1310.8	1312.2	1313.6	1315.0	1316.4
152.5°	1322.3	1321.4	1323.2	1326.7	1330.2	1333.7	1337.2	1338.6	1340.0	1341.4	1342.8
155°	1348.9	1347.8	1349.2	1352.0	1354.8	1357.6	1360.4	1361.8	1363.2	1364.7	1366.1
157.5°	1371.9	1371.0	1372.1	1374.2	1376.3	1378.4	1380.5	1382.1	1383.8	1385.4	1387.1
160°	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5	1399.9	1401.3	1402.7	1404.1
162.5°	1409.7	1409.0	1409.6	1410.8	1411.9	1413.1	1414.3	1415.9	1417.6	1419.2	1420.9
165°	1424.5	1423.8	1424.2	1424.9	1425.6	1426.3	1427.0	1428.6	1430.3	1431.9	1433.6
167.5°	1436.1	1435.4	1435.8	1436.5	1437.2	1437.9	1438.6	1440.2	1441.9	1443.5	1445.2
170°	1445.6	1444.9	1445.1	1445.6	1446.1	1446.6	1447.1	1448.7	1450.4	1452.0	1453.7
172.5°	1452.0	1451.3	1451.5	1452.0	1452.5	1452.9	1453.4	1455.0	1456.7	1458.3	1460.0
175°	1456.3	1455.5	1455.7	1456.2	1456.7	1457.1	1457.6	1459.2	1460.9	1462.5	1464.2
177.5°	1458.4	1457.6	1457.7	1458.0	1458.2	1458.5	1458.7	1460.3	1462.0	1463.6	1465.3
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1405.4	1403.3	1397.2	1399.2	1396.2	1396.2	1394.1	1394.1	1394.1	1399.2	1396.2
5°	1328.8	1321.7	1314.5	1311.5	1308.4	1305.3	1305.3	1304.3	1313.5	1311.5	1319.6
7.5°	1233.9	1231.9	1217.6	1217.6	1212.5	1210.4	1215.5	1216.6	1217.6	1219.6	1224.7
10°	1149.2	1144.1	1123.7	1125.7	1122.7	1118.6	1121.6	1119.6	1126.7	1128.8	1126.7
12.5°	1049.2	1040.0	1017.5	1006.3	994.1	984.9	996.1	987.9	1016.5	1024.7	1047.1
15°	916.5	899.1	883.8	883.8	872.6	864.4	869.6	878.7	884.9	894.0	898.1
17.5°	827.7	820.6	808.3	801.2	798.1	795.0	795.0	799.1	812.4	811.4	819.5
20°	752.2	748.1	742.0	732.8	729.7	727.7	727.7	727.7	736.9	745.0	750.1
22.5°	700.1	697.1	693.0	680.7	674.6	672.6	677.7	680.7	687.9	694.0	699.1
25°	648.1	640.9	633.8	629.7	626.6	626.6	628.7	629.7	632.8	635.8	642.0
27.5°	605.2	600.1	589.9	578.7	578.7	575.6	577.7	579.7	586.8	597.1	602.2
30°	557.2	556.2	552.1	548.1	544.0	541.9	546.0	549.1	550.1	555.2	555.2
32.5°	522.5	515.4	508.3	504.2	502.1	501.1	502.1	506.2	506.2	512.3	519.5
35°	487.8	483.8	476.6	469.5	467.4	462.3	466.4	470.5	477.6	480.7	483.8
37.5°	450.1	445.0	441.9	439.9	435.8	436.8	433.8	439.9	446.0	445.0	447.0
40°	421.5	412.3	403.1	402.1	401.1	400.1	400.1	401.1	405.2	409.3	415.4
42.5°	384.8	381.7	373.5	365.4	363.3	361.3	359.3	363.3	371.5	378.6	381.7
45°	347.0	342.9	340.9	334.8	330.7	329.7	327.6	332.7	339.9	342.9	345.0
47.5°	312.3	311.3	305.2	306.2	303.1	304.1	303.1	306.2	306.2	309.2	311.3
50°	288.8	285.8	282.7	280.7	277.6	277.6	276.6	277.6	281.7	285.8	284.7
52.5°	265.4	260.3	259.2	258.2	256.2	258.2	255.2	256.2	260.3	262.3	261.3
55°	237.8	236.8	234.7	232.7	231.7	230.7	230.7	230.7	234.7	237.8	238.8
57.5°	216.4	211.3	207.2	207.2	203.1	202.1	204.1	205.1	208.2	210.2	212.3
60°	186.8	184.7	178.6	175.5	169.4	168.4	168.4	172.5	177.6	184.7	186.8
62.5°	155.1	152.1	151.0	151.0	151.0	151.0	151.0	151.0	151.0	152.1	152.1
65°	137.8	138.8	137.8	136.8	137.8	137.8	136.8	136.8	136.8	137.8	138.8
67.5°	123.5	122.5	123.5	122.5	121.5	121.5	120.4	121.5	122.5	123.5	123.5
70°	107.2	107.2	106.1	107.2	106.1	105.1	104.1	104.1	106.1	107.2	107.2
72.5°	91.9	91.9	90.8	90.8	88.8	88.8	89.8	88.8	88.8	91.9	91.9
75°	76.5	75.5	74.5	74.5	73.5	73.5	73.5	72.5	74.5	74.5	75.5
77.5°	60.2	60.2	60.2	59.2	59.2	58.2	58.2	59.2	59.2	59.2	60.2
80°	45.9	45.9	45.9	44.9	43.9	43.9	43.9	43.9	43.9	44.9	43.9
82.5°	31.6	31.6	31.6	31.6	31.6	30.6	30.6	30.6	31.6	31.6	30.6
85°	19.4	18.4	19.4	19.4	18.4	19.4	18.4	18.4	17.4	17.4	18.4
87.5°	8.2	7.1	6.1	6.1	7.1	6.1	6.1	6.1	7.1	6.1	6.1
90°	26.4	26.6	27.1	27.6	28.0	28.5	28.0	27.6	27.1	26.6	26.4
92.5°	27.5	27.6	27.8	28.1	28.3	28.5	28.3	28.1	27.8	27.6	27.5
95°	46.5	46.4	46.1	45.9	45.6	45.4	45.6	45.9	46.1	46.4	46.5
97.5°	57.0	57.1	57.4	57.6	57.9	58.1	57.9	57.6	57.4	57.1	57.0
100°	68.7	68.9	69.4	69.9	70.3	70.8	70.3	69.9	69.4	68.9	68.7
102.5°	73.9	74.3	75.0	75.7	76.4	77.1	76.4	75.7	75.0	74.3	73.9
105°	76.0	76.5	77.4	78.4	79.3	80.3	79.3	78.4	77.4	76.5	76.0
107.5°	78.2	78.7	79.6	80.5	81.5	82.4	81.5	80.5	79.6	78.7	78.2
110°	79.2	79.7	80.6	81.5	82.5	83.4	82.5	81.5	80.6	79.7	79.2

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.3	81.7	82.4	83.1	83.8	84.5	83.8	83.1	82.4	81.7	81.3
115°	162.7	154.2	137.3	120.4	103.5	86.6	103.5	120.4	137.3	154.2	162.7
117.5°	557.7	527.0	465.5	404.0	342.5	281.0	342.5	404.0	465.5	527.0	557.7
120°	786.9	771.1	739.4	707.7	676.0	644.3	676.0	707.7	739.4	771.1	786.9
122.5°	842.9	843.0	843.2	843.5	843.7	843.9	843.7	843.5	843.2	843.0	842.9
125°	899.9	900.3	901.0	901.7	902.4	903.1	902.4	901.7	901.0	900.3	899.9
127.5°	954.8	954.9	955.2	955.4	955.7	955.9	955.7	955.4	955.2	954.9	954.8
130°	1005.5	1005.4	1005.2	1004.9	1004.7	1004.5	1004.7	1004.9	1005.2	1005.4	1005.5
132.5°	1053.1	1053.0	1052.7	1052.5	1052.2	1052.0	1052.2	1052.5	1052.7	1053.0	1053.1
135°	1099.6	1099.4	1098.9	1098.4	1097.9	1097.4	1097.9	1098.4	1098.9	1099.4	1099.6
137.5°	1142.9	1142.5	1141.8	1141.1	1140.4	1139.7	1140.4	1141.1	1141.8	1142.5	1142.9
140°	1184.1	1183.5	1182.3	1181.2	1180.0	1178.8	1180.0	1181.2	1182.3	1183.5	1184.1
142.5°	1222.1	1221.5	1220.3	1219.2	1218.0	1216.8	1218.0	1219.2	1220.3	1221.5	1222.1
145°	1256.9	1256.3	1255.2	1254.0	1252.9	1251.7	1252.9	1254.0	1255.2	1256.3	1256.9
147.5°	1287.6	1287.1	1286.2	1285.2	1284.3	1283.3	1284.3	1285.2	1286.2	1287.1	1287.6
150°	1317.1	1316.5	1315.4	1314.2	1313.1	1311.9	1313.1	1314.2	1315.4	1316.5	1317.1
152.5°	1343.5	1342.7	1341.1	1339.4	1337.8	1336.2	1337.8	1339.4	1341.1	1342.7	1343.5
155°	1366.8	1365.9	1364.0	1362.1	1360.2	1358.3	1360.2	1362.1	1364.0	1365.9	1366.8
157.5°	1387.9	1387.0	1385.1	1383.2	1381.4	1379.5	1381.4	1383.2	1385.1	1387.0	1387.9
160°	1404.8	1404.0	1402.3	1400.7	1399.0	1397.4	1399.0	1400.7	1402.3	1404.0	1404.8
162.5°	1421.7	1420.6	1418.5	1416.4	1414.3	1412.2	1414.3	1416.4	1418.5	1420.6	1421.7
165°	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1428.6	1430.3	1431.9	1433.6	1434.4
167.5°	1446.0	1444.9	1442.8	1440.7	1438.6	1436.5	1438.6	1440.7	1442.8	1444.9	1446.0
170°	1454.5	1453.4	1451.3	1449.2	1447.0	1444.9	1447.0	1449.2	1451.3	1453.4	1454.5
172.5°	1460.8	1459.7	1457.6	1455.5	1453.4	1451.3	1453.4	1455.5	1457.6	1459.7	1460.8
175°	1465.0	1463.8	1461.5	1459.2	1456.8	1454.5	1456.8	1459.2	1461.5	1463.8	1465.0
177.5°	1466.1	1465.0	1462.9	1460.8	1458.7	1456.6	1458.7	1460.8	1462.9	1465.0	1466.1
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1399.2	1404.3	1402.3	1391.1	1402.3	1405.4	1411.5	1417.6	1421.7	1427.8	1432.9
5°	1311.5	1321.7	1327.8	1321.7	1342.1	1345.2	1359.4	1367.6	1379.9	1390.1	1398.2
7.5°	1228.8	1237.0	1249.2	1251.3	1263.5	1277.8	1298.2	1318.6	1338.0	1348.2	1357.4
10°	1140.0	1154.3	1172.7	1168.6	1187.0	1209.4	1230.8	1263.5	1279.8	1298.2	1314.5
12.5°	1051.2	1060.4	1084.9	1093.1	1119.6	1136.9	1166.5	1187.0	1227.8	1249.2	1263.5
15°	896.1	933.8	964.5	1001.2	1035.9	1068.6	1095.1	1131.8	1167.6	1183.9	1207.4
17.5°	825.7	843.0	861.4	879.8	924.7	982.8	1029.8	1069.6	1100.2	1121.6	1149.2
20°	752.2	769.5	789.9	807.3	834.9	876.7	934.9	1003.3	1040.0	1062.4	1089.0
22.5°	700.1	716.5	729.7	745.0	766.5	797.1	841.0	925.7	974.7	1002.2	1025.7
25°	644.0	664.4	678.7	689.9	707.3	741.0	776.7	824.6	912.4	933.8	966.5
27.5°	605.2	611.3	627.7	645.0	662.4	680.7	717.5	758.3	817.5	864.4	904.3
30°	559.3	574.6	589.9	597.1	612.4	638.9	661.3	705.2	751.2	787.9	835.9
32.5°	524.6	533.8	544.0	561.3	575.6	594.0	616.4	653.2	692.0	715.4	752.2
35°	485.8	491.9	513.4	520.5	534.8	553.2	575.6	604.2	646.0	664.4	690.9
37.5°	449.1	463.4	469.5	485.8	499.1	517.4	533.8	566.4	594.0	615.4	639.9
40°	420.5	426.6	437.8	452.1	463.4	477.6	498.1	521.5	551.1	568.5	589.9
42.5°	385.8	390.9	405.2	413.3	431.7	445.0	457.2	485.8	512.3	525.6	547.0
45°	348.0	360.3	369.5	385.8	396.0	412.3	427.6	448.0	472.5	487.8	500.1
47.5°	315.4	327.6	336.8	352.1	368.4	375.6	391.9	413.3	435.8	448.0	465.4
50°	288.8	292.9	310.3	317.4	334.8	349.0	360.3	378.6	403.1	410.3	424.6
52.5°	263.3	266.4	277.6	286.8	302.1	314.3	328.6	346.0	366.4	377.6	388.8
55°	240.9	242.9	248.0	258.2	268.4	283.7	297.0	313.3	330.7	342.9	353.1
57.5°	215.3	219.4	223.5	229.6	239.8	254.1	268.4	283.7	298.0	306.2	319.4
60°	185.7	191.9	199.0	206.2	213.3	223.5	239.8	254.1	267.4	274.5	284.7
62.5°	154.1	166.4	172.5	180.6	186.8	196.0	208.2	224.5	233.7	242.9	251.1
65°	138.8	139.8	140.8	149.0	160.2	169.4	180.6	192.9	207.2	213.3	219.4
67.5°	123.5	124.5	126.6	127.6	131.7	141.9	154.1	167.4	178.6	182.7	188.8
70°	108.2	108.2	112.3	113.3	114.3	115.3	125.5	138.8	149.0	154.1	161.3
72.5°	91.9	92.9	94.9	95.9	98.0	100.0	103.1	110.2	122.5	127.6	135.7
75°	75.5	76.5	77.6	78.6	81.6	82.7	85.7	89.8	94.9	101.0	106.1
77.5°	60.2	60.2	61.2	63.3	65.3	66.3	69.4	71.4	73.5	76.5	80.6
80°	44.9	45.9	45.9	48.0	48.0	49.0	50.0	53.1	55.1	57.2	59.2
82.5°	30.6	32.7	32.7	32.7	33.7	34.7	35.7	35.7	37.8	38.8	41.8
85°	18.4	19.4	19.4	19.4	18.4	20.4	20.4	21.4	21.4	21.4	22.5
87.5°	7.1	6.1	7.1	7.1	7.1	8.2	7.1	7.1	8.2	9.2	9.2
90°	25.8	24.6	23.5	22.3	21.1	19.2	17.4	15.5	13.6	12.7	11.4
92.5°	27.3	26.8	26.3	25.8	25.3	24.6	23.9	23.2	22.5	22.2	22.7
95°	45.9	44.7	43.6	42.4	41.2	39.6	37.9	36.3	34.6	33.8	37.7
97.5°	56.7	56.0	55.3	54.6	53.9	50.1	46.4	42.6	38.9	37.0	46.6
100°	67.8	65.9	64.0	62.1	60.2	56.2	52.2	48.2	44.2	42.2	58.3
102.5°	72.6	70.0	67.5	64.9	62.3	105.0	147.8	190.5	233.2	254.6	254.8
105°	74.7	72.1	69.6	67.0	64.4	128.5	192.6	256.7	320.8	352.8	349.3
107.5°	76.9	74.3	71.7	69.1	66.5	145.6	224.7	303.8	382.9	422.5	419.6
110°	90.9	114.4	137.9	161.3	184.8	252.6	320.5	388.3	456.2	490.1	487.6

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	131.9	233.1	334.2	435.4	536.6	540.6	544.6	548.5	552.5	554.5	552.4
115°	217.0	325.7	434.4	543.0	651.7	645.8	640.0	634.1	628.2	625.3	623.3
117.5°	574.5	608.0	641.6	675.1	708.7	704.7	700.7	696.8	692.8	690.8	688.5
120°	785.5	782.7	779.8	777.0	774.2	770.0	765.8	761.5	757.3	755.2	753.4
122.5°	842.2	840.8	839.3	837.9	836.5	831.8	827.1	822.4	817.7	815.4	813.5
125°	899.1	897.4	895.8	894.1	892.5	888.1	883.6	879.2	874.7	872.5	871.0
127.5°	953.6	951.3	949.0	946.6	944.3	940.8	937.2	933.7	930.2	928.4	926.8
130°	1004.2	1001.6	999.1	996.5	993.9	991.3	988.7	986.2	983.6	982.3	980.4
132.5°	1052.0	1049.9	1047.8	1045.7	1043.6	1041.0	1038.4	1035.9	1033.3	1032.0	1030.5
135°	1098.4	1096.1	1093.7	1091.4	1089.0	1086.9	1084.8	1082.7	1080.6	1079.5	1077.6
137.5°	1141.7	1139.4	1137.0	1134.7	1132.3	1129.9	1127.6	1125.2	1122.9	1121.7	1120.3
140°	1183.0	1180.9	1178.8	1176.6	1174.5	1171.9	1169.3	1166.8	1164.2	1162.9	1162.0
142.5°	1221.2	1219.3	1217.4	1215.5	1213.6	1210.6	1207.5	1204.5	1201.4	1199.9	1199.1
145°	1256.1	1254.4	1252.8	1251.1	1249.5	1245.5	1241.5	1237.6	1233.6	1231.6	1231.7
147.5°	1287.0	1285.8	1284.7	1283.5	1282.3	1278.3	1274.3	1270.3	1266.3	1264.3	1264.7
150°	1316.4	1315.0	1313.6	1312.2	1310.8	1307.0	1303.3	1299.5	1295.8	1293.9	1294.7
152.5°	1342.8	1341.4	1340.0	1338.6	1337.2	1333.7	1330.2	1326.7	1323.2	1321.4	1322.3
155°	1366.1	1364.7	1363.2	1361.8	1360.4	1357.6	1354.8	1352.0	1349.2	1347.8	1348.9
157.5°	1387.1	1385.4	1383.8	1382.1	1380.5	1378.4	1376.3	1374.2	1372.1	1371.0	1371.9
160°	1404.1	1402.7	1401.3	1399.9	1398.5	1397.1	1395.7	1394.2	1392.8	1392.1	1392.8
162.5°	1420.9	1419.2	1417.6	1415.9	1414.3	1413.1	1411.9	1410.8	1409.6	1409.0	1409.7
165°	1433.6	1431.9	1430.3	1428.6	1427.0	1426.3	1425.6	1424.9	1424.2	1423.8	1424.5
167.5°	1445.2	1443.5	1441.9	1440.2	1438.6	1437.9	1437.2	1436.5	1435.8	1435.4	1436.1
170°	1453.7	1452.0	1450.4	1448.7	1447.1	1446.6	1446.1	1445.6	1445.1	1444.9	1445.6
172.5°	1460.0	1458.3	1456.7	1455.0	1453.4	1452.9	1452.5	1452.0	1451.5	1451.3	1452.0
175°	1464.2	1462.5	1460.9	1459.2	1457.6	1457.1	1456.7	1456.2	1455.7	1455.5	1456.3
177.5°	1465.3	1463.6	1462.0	1460.3	1458.7	1458.5	1458.2	1458.0	1457.7	1457.6	1458.4
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1468.6	1468.6	1468.6	1468.6
2.5°	1442.1	1439.0	1457.4	1477.8
5°	1412.5	1417.6	1441.1	1469.7
7.5°	1381.9	1393.1	1420.7	1458.4
10°	1339.0	1359.4	1401.3	1440.1
12.5°	1297.2	1324.7	1364.5	1410.5
15°	1250.2	1280.9	1329.8	1385.0
17.5°	1198.2	1232.9	1290.0	1350.3
20°	1143.1	1189.0	1249.2	1314.5
22.5°	1081.8	1136.9	1199.2	1271.7
25°	1022.6	1082.9	1145.1	1228.8
27.5°	964.5	1023.7	1093.1	1177.8
30°	906.3	960.4	1034.9	1125.7
32.5°	844.0	900.2	978.8	1071.6
35°	786.9	843.0	916.5	1008.4
37.5°	725.6	785.9	856.3	951.2
40°	654.2	724.6	793.0	883.8
42.5°	595.0	669.5	735.9	821.6
45°	548.1	618.5	673.6	757.3
47.5°	504.2	561.3	617.5	695.0
50°	462.3	506.2	564.4	633.8
52.5°	419.5	457.2	507.2	572.6
55°	380.7	416.4	461.3	511.3
57.5°	345.0	370.5	415.4	460.3
60°	305.2	331.7	366.4	404.2
62.5°	271.5	291.9	324.6	356.2
65°	235.8	255.2	279.6	309.2
67.5°	203.1	220.4	239.8	263.3
70°	173.5	186.8	201.1	221.5
72.5°	141.9	156.2	169.4	185.7
75°	116.3	122.5	133.7	144.9
77.5°	89.8	98.0	104.1	113.3
80°	64.3	71.4	73.5	80.6
82.5°	42.9	46.9	51.0	53.1
85°	24.5	26.5	30.6	31.6
87.5°	9.2	10.2	12.2	14.3
90°	8.8	6.3	3.7	1.1
92.5°	23.6	24.5	25.5	26.4
95°	45.4	53.2	60.9	68.7
97.5°	65.9	85.1	104.4	123.6
100°	90.5	122.6	154.8	187.0
102.5°	255.3	255.8	256.2	256.7
105°	342.2	335.2	328.1	321.1
107.5°	413.7	407.8	402.0	396.1
110°	482.7	477.8	472.8	467.9

TEST NUMBER: P999872

CATALOG NUMBER: SA2XXRDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	548.2	543.9	539.7	535.5
115°	619.3	615.3	611.3	607.3
117.5°	683.8	679.1	674.4	669.7
120°	749.9	746.4	742.9	739.4
122.5°	809.8	806.0	802.3	798.5
125°	867.9	864.8	861.8	858.7
127.5°	923.5	920.2	917.0	913.7
130°	976.7	972.9	969.2	965.4
132.5°	1027.4	1024.3	1021.3	1018.2
135°	1073.9	1070.1	1066.4	1062.6
137.5°	1117.5	1114.7	1111.9	1109.1
140°	1160.1	1158.2	1156.4	1154.5
142.5°	1197.4	1195.8	1194.1	1192.5
145°	1231.9	1232.2	1232.4	1232.6
147.5°	1265.4	1266.1	1266.8	1267.5
150°	1296.4	1298.0	1299.7	1301.3
152.5°	1324.2	1326.1	1327.9	1329.8
155°	1351.0	1353.1	1355.2	1357.3
157.5°	1373.8	1375.7	1377.6	1379.5
160°	1394.2	1395.7	1397.1	1398.5
162.5°	1411.1	1412.6	1414.0	1415.4
165°	1425.9	1427.4	1428.8	1430.2
167.5°	1437.5	1439.0	1440.4	1441.8
170°	1447.0	1448.5	1449.9	1451.3
172.5°	1453.4	1454.8	1456.2	1457.6
175°	1458.0	1459.6	1461.3	1462.9
177.5°	1460.1	1461.7	1463.4	1465.0
180°	1459.7	1459.7	1459.7	1459.7

(END OF REPORT)