

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: P999907

Luminaire Tested: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P999907
REPORT IS A COMBINATION OF REPORTS P988464 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K
Description: Define 2 Regressed Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473}
{m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

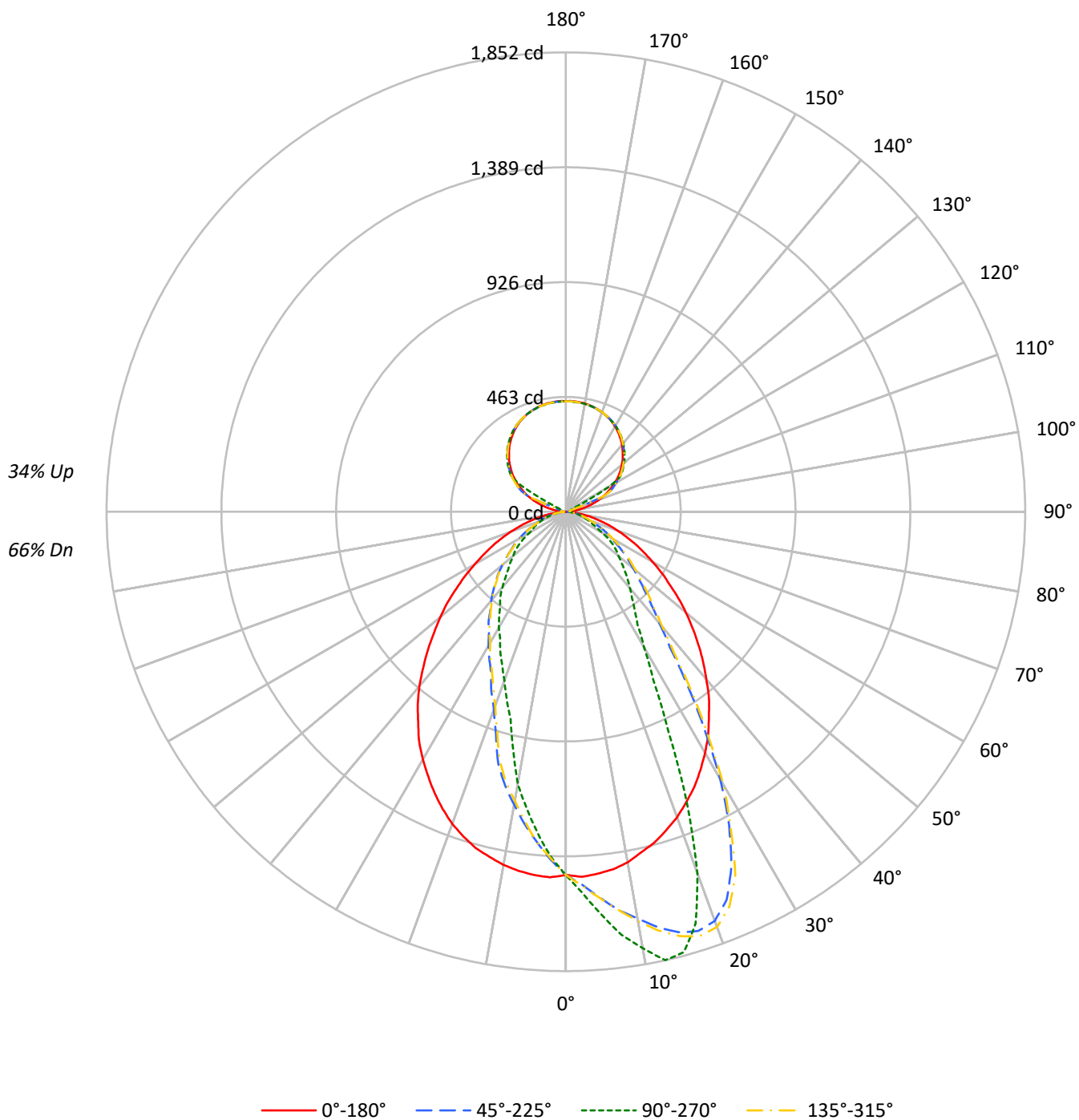
Lumens per Lamp: N/A
Luminaire Lumens: 3837.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
Input Voltage (V): 120
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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71
1	102	98	95	91	96	93	90	87	82	80	78	73	71	70	64	63	62
2	94	87	81	77	89	82	77	73	74	70	66	65	62	60	58	56	54
3	87	78	71	65	81	74	67	62	66	61	57	59	55	52	52	49	47
4	80	70	62	56	75	66	59	54	59	54	50	53	49	46	48	44	42
5	74	63	55	49	70	60	53	47	54	48	44	49	44	40	43	40	37
6	69	57	49	44	65	54	47	42	49	43	39	44	40	36	40	36	33
7	64	52	44	39	60	50	43	38	45	39	35	41	36	33	37	33	30
8	60	48	40	35	56	46	39	34	42	36	32	38	33	30	34	30	28
9	56	44	37	32	53	42	35	31	38	33	29	35	30	27	32	28	25
10	52	41	34	29	50	39	32	28	36	30	26	33	28	25	30	26	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23174	23174	23174	23174
5°	23228	24614	23309	19664
10°	22972	26017	23135	16239
15°	22474	26025	22855	12199
20°	21875	21513	22351	10065
25°	21147	13443	21605	8562
30°	20220	8607	20769	7371
35°	19090	6615	19708	6308
40°	17833	5560	18594	5517
45°	16487	4732	17175	4632
50°	15109	4020	15814	4006
55°	13582	3495	14314	3448
60°	12226	2664	12872	2633
65°	10960	2006	11610	2274
70°	9562	1601	10311	1854
75°	8083	1227	8822	1403
80°	6419	835	6906	919
85°	4450	430	4887	454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 21199 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	3.6
10°-20°	387.6	10.1
20°-30°	498.8	13.0
30°-40°	473.3	12.3
40°-50°	405.6	10.6
50°-60°	308.9	8.0
60°-70°	194.8	5.1
70°-80°	97.2	2.5
80°-90°	25.8	0.7
90°-100°	14.7	0.4
100°-110°	54.8	1.4
110°-120°	145.3	3.8
120°-130°	240.9	6.3
130°-140°	255.9	6.7
140°-150°	237.8	6.2
150°-160°	191.2	5.0
160°-170°	123.2	3.2
170°-180°	42.4	1.1
0°-30°	1025.3	26.7
0°-40°	1498.6	39.1
0°-60°	2213.0	57.7
0°-90°	2530.8	66.0
90°-120°	214.7	5.6
90°-150°	949.4	24.7
90°-180°	1306.0	34.0
0°-180°	3837.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1464	1464	1464	1464	1464	
5°	1465	1629	1470	1301	1465	139
15°	1381	1838	1404	862	1381	388
25°	1225	981	1251	625	1225	562
35°	1005	483	1038	461	1005	629
45°	755	336	786	329	755	583
55°	510	233	537	230	510	459
65°	308	121	327	137	308	306
75°	144	64	158	73	144	156
85°	32	18	35	19	32	36
90°	0	9	0	9	0	3
95°	21	14	21	14	21	25
105°	98	24	98	24	98	105
115°	185	26	185	26	185	183
125°	262	276	262	276	262	234
135°	324	335	324	335	324	251
145°	376	382	376	382	376	235
155°	414	415	414	415	414	191
165°	436	436	436	436	436	123
175°	446	444	446	444	446	42
180°	446	446	446	446	446	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0
2.5°	1473.2	1479.3	1482.3	1486.4	1495.6	1501.7	1510.8	1512.8	1511.8	1515.9	1504.7
5°	1465.0	1478.3	1490.5	1500.6	1516.9	1527.1	1538.3	1551.5	1554.6	1569.8	1560.7
7.5°	1453.8	1473.2	1490.5	1510.8	1535.2	1548.5	1565.8	1586.1	1595.3	1613.6	1618.7
10°	1435.5	1463.0	1492.5	1513.9	1547.4	1570.8	1587.1	1619.7	1641.0	1668.5	1664.4
12.5°	1406.0	1441.6	1481.3	1516.9	1560.7	1575.9	1606.4	1640.0	1667.5	1692.9	1715.3
15°	1380.6	1421.3	1465.0	1508.8	1558.6	1587.1	1617.6	1661.4	1690.9	1735.7	1755.0
17.5°	1346.0	1397.9	1449.8	1498.6	1557.6	1590.2	1627.8	1670.5	1714.3	1757.0	1772.3
20°	1310.4	1366.3	1422.3	1488.4	1555.6	1587.1	1625.8	1678.7	1721.4	1755.0	1755.0
22.5°	1267.7	1335.8	1399.9	1463.0	1536.2	1582.0	1621.7	1683.8	1714.3	1721.4	1693.9
25°	1224.9	1293.1	1363.3	1441.6	1525.1	1565.8	1610.5	1668.5	1678.7	1650.2	1579.0
27.5°	1174.1	1250.4	1329.7	1414.2	1501.7	1552.5	1593.2	1631.9	1612.6	1536.2	1425.4
30°	1122.2	1204.6	1294.1	1374.5	1480.3	1527.1	1561.7	1572.9	1511.8	1387.7	1244.3
32.5°	1068.3	1148.6	1243.2	1339.9	1446.7	1491.5	1513.9	1484.4	1372.5	1215.8	1040.8
35°	1005.2	1095.7	1194.4	1295.1	1400.9	1434.5	1447.7	1375.5	1232.1	1029.6	855.6
37.5°	948.2	1038.7	1144.6	1247.3	1350.1	1368.4	1355.2	1242.2	1060.1	859.7	689.8
40°	881.1	977.7	1081.5	1196.4	1280.9	1286.0	1253.4	1106.9	881.1	692.8	588.0
42.5°	819.0	916.7	1020.4	1137.4	1201.5	1184.2	1140.5	948.2	735.6	597.2	512.8
45°	754.9	847.5	959.4	1063.2	1108.9	1068.3	1002.1	797.6	617.6	513.8	448.7
47.5°	692.8	779.3	890.2	989.9	998.1	952.3	873.9	668.4	535.1	451.7	398.8
50°	631.8	718.3	822.0	904.5	896.3	833.2	744.7	580.9	464.9	398.8	355.1
52.5°	570.8	649.1	749.8	814.9	780.3	719.3	631.8	492.4	405.9	347.9	314.4
55°	509.7	583.0	669.4	723.4	668.4	598.2	536.2	422.2	352.0	305.2	279.8
57.5°	458.8	516.8	596.2	628.7	562.6	507.7	453.8	363.2	305.2	271.6	242.1
60°	402.9	455.8	520.9	540.2	472.1	427.3	381.5	307.2	261.5	232.0	212.6
62.5°	355.1	398.8	448.7	448.7	388.6	355.1	320.5	257.4	219.8	196.4	187.2
65°	308.3	339.8	375.4	371.3	320.5	291.0	263.5	212.6	184.1	167.9	158.7
67.5°	262.5	286.9	310.3	296.1	259.4	234.0	208.6	171.9	152.6	141.4	129.2
70°	220.8	240.1	252.3	239.1	202.5	181.1	162.8	138.4	123.1	108.9	101.7
72.5°	185.2	193.3	197.4	181.1	150.6	138.4	125.1	107.8	94.6	87.5	85.5
75°	144.5	151.6	148.5	136.3	110.9	101.7	91.6	79.4	76.3	72.2	70.2
77.5°	112.9	112.9	107.8	96.7	79.4	72.2	68.2	62.1	59.0	58.0	56.0
80°	80.4	79.4	76.3	64.1	53.9	49.9	49.9	45.8	44.8	42.7	42.7
82.5°	52.9	52.9	48.8	38.7	35.6	34.6	33.6	31.5	31.5	30.5	30.5
85°	31.5	29.5	24.4	21.4	20.3	20.3	19.3	18.3	19.3	18.3	18.3
87.5°	14.2	11.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
90°	0.3	1.1	1.9	2.7	3.5	3.9	4.2	4.7	5.3	5.8	6.4
92.5°	8.1	7.8	7.5	7.2	6.9	6.8	6.9	7.1	7.3	7.5	7.7
95°	21.0	18.6	16.2	13.9	11.5	10.3	10.6	11.1	11.6	12.1	12.6
97.5°	37.7	31.8	26.0	20.1	14.2	11.3	11.9	13.0	14.1	15.3	16.4
100°	57.1	47.3	37.5	27.6	17.8	12.9	13.5	14.7	16.0	17.2	18.4
102.5°	78.3	78.2	78.0	77.9	77.8	77.7	71.2	58.1	45.1	32.0	19.0
105°	98.0	100.2	102.3	104.5	106.6	107.7	97.9	78.4	58.8	39.3	19.7
107.5°	120.9	122.7	124.5	126.3	128.1	129.0	116.9	92.8	68.6	44.5	20.3
110°	142.8	144.3	145.8	147.3	148.8	149.6	139.2	118.5	97.8	77.1	56.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	163.5	164.8	166.1	167.4	168.7	169.3	168.7	167.5	166.2	165.0	163.8
115°	185.4	186.6	187.8	189.1	190.3	190.9	191.8	193.6	195.3	197.1	198.9
117.5°	204.4	205.8	207.2	208.7	210.1	210.8	211.4	212.6	213.9	215.1	216.3
120°	225.7	226.8	227.8	228.9	230.0	230.5	231.1	232.4	233.7	235.0	236.3
122.5°	243.7	244.9	246.0	247.2	248.3	248.9	249.6	251.0	252.5	253.9	255.3
125°	262.1	263.0	264.0	264.9	265.8	266.3	267.0	268.3	269.7	271.0	272.4
127.5°	278.9	279.9	280.9	281.9	282.9	283.4	283.9	285.0	286.1	287.1	288.2
130°	294.7	295.8	297.0	298.1	299.2	299.8	300.2	301.0	301.8	302.6	303.4
132.5°	310.8	311.7	312.7	313.6	314.5	315.0	315.4	316.2	316.9	317.7	318.5
135°	324.3	325.5	326.6	327.8	328.9	329.5	329.8	330.5	331.1	331.8	332.4
137.5°	338.5	339.4	340.2	341.1	342.0	342.4	342.8	343.5	344.2	344.9	345.6
140°	352.4	353.0	353.6	354.1	354.7	355.0	355.4	356.2	356.9	357.7	358.5
142.5°	364.0	364.5	365.0	365.5	366.0	366.2	366.7	367.6	368.5	369.5	370.4
145°	376.2	376.1	376.1	376.0	375.9	375.9	376.5	377.7	379.0	380.2	381.4
147.5°	386.9	386.7	386.5	386.2	386.0	385.9	386.5	387.7	389.0	390.2	391.4
150°	397.2	396.7	396.2	395.7	395.2	394.9	395.5	396.6	397.8	398.9	400.1
152.5°	405.9	405.3	404.7	404.2	403.6	403.3	403.8	404.9	406.0	407.1	408.2
155°	414.3	413.7	413.0	412.4	411.7	411.4	411.8	412.7	413.6	414.4	415.3
157.5°	421.1	420.5	419.9	419.4	418.8	418.5	418.8	419.5	420.1	420.8	421.4
160°	426.9	426.5	426.0	425.6	425.1	424.9	425.1	425.6	426.0	426.5	426.9
162.5°	432.0	431.6	431.2	430.7	430.3	430.1	430.3	430.6	431.0	431.3	431.7
165°	436.5	436.1	435.7	435.2	434.8	434.6	434.7	434.9	435.2	435.4	435.6
167.5°	440.1	439.7	439.2	438.8	438.3	438.1	438.2	438.4	438.7	438.9	439.1
170°	443.0	442.6	442.1	441.7	441.2	441.0	441.1	441.2	441.4	441.5	441.7
172.5°	444.9	444.5	444.1	443.6	443.2	443.0	443.1	443.2	443.3	443.5	443.6
175°	446.5	446.0	445.5	445.0	444.5	444.3	444.4	444.5	444.6	444.8	444.9
177.5°	447.2	446.7	446.2	445.7	445.2	444.9	444.9	445.0	445.1	445.1	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0
2.5°	1515.9	1517.9	1521.0	1535.2	1537.3	1541.3	1539.3	1539.3	1540.3	1538.3	1539.3
5°	1581.0	1584.1	1599.3	1616.6	1620.7	1616.6	1621.7	1628.8	1628.8	1628.8	1626.8
7.5°	1642.1	1653.2	1670.5	1696.0	1701.1	1706.2	1715.3	1709.2	1711.2	1720.4	1717.3
10°	1701.1	1717.3	1736.7	1758.0	1769.2	1776.4	1780.4	1789.6	1810.9	1786.5	1795.7
12.5°	1757.0	1780.4	1800.8	1824.2	1832.3	1841.5	1844.5	1852.7	1852.7	1851.6	1858.8
15°	1793.6	1815.0	1833.3	1848.6	1850.6	1848.6	1846.6	1847.6	1850.6	1838.4	1845.5
17.5°	1801.8	1803.8	1809.9	1803.8	1804.8	1783.5	1771.3	1768.2	1739.7	1740.7	1764.1
20°	1762.1	1727.5	1718.4	1684.8	1664.4	1609.5	1607.5	1592.2	1532.2	1550.5	1546.4
22.5°	1653.2	1594.2	1515.9	1477.2	1457.9	1399.9	1355.2	1323.6	1302.3	1280.9	1271.7
25°	1509.8	1414.2	1303.3	1227.0	1215.8	1161.9	1079.4	1040.8	995.0	980.8	1005.2
27.5°	1324.6	1200.5	1075.4	958.4	937.0	888.2	846.5	819.0	766.1	763.0	765.1
30°	1073.3	948.2	843.4	767.1	714.2	691.8	664.4	644.0	622.6	630.8	632.8
32.5°	882.1	763.0	665.4	624.7	600.3	586.0	562.6	549.4	540.2	537.2	536.2
35°	701.0	621.6	577.9	538.2	524.0	513.8	496.5	490.4	482.2	483.3	483.3
37.5°	600.3	534.1	501.6	481.2	468.0	462.9	451.7	445.6	440.5	438.5	441.5
40°	517.8	472.1	451.7	433.4	422.2	420.2	414.1	407.0	400.8	401.9	404.9
42.5°	457.8	431.4	407.0	392.7	384.6	381.5	376.4	371.3	371.3	368.3	367.3
45°	410.0	388.6	368.3	355.1	350.0	345.9	339.8	338.8	334.7	335.7	336.8
47.5°	367.3	350.0	334.7	321.5	316.4	315.4	309.3	305.2	305.2	304.2	303.2
50°	328.6	311.3	298.1	291.0	283.9	281.8	280.8	279.8	277.7	277.7	278.8
52.5°	297.1	279.8	269.6	263.5	259.4	257.4	257.4	256.4	256.4	256.4	255.4
55°	262.5	248.2	240.1	238.1	236.0	235.0	234.0	232.0	230.9	233.0	230.9
57.5°	229.9	224.8	217.7	215.7	210.6	210.6	207.5	205.5	203.5	205.5	205.5
60°	204.5	197.4	193.3	187.2	183.1	179.1	174.0	173.0	170.9	169.9	168.9
62.5°	178.0	171.9	161.8	152.6	146.5	142.4	140.4	139.4	139.4	138.4	138.4
65°	148.5	134.3	129.2	126.2	125.1	124.1	122.1	121.1	122.1	121.1	122.1
67.5°	116.0	113.9	110.9	108.9	107.8	106.8	106.8	105.8	105.8	105.8	105.8
70°	100.7	95.6	94.6	92.6	92.6	91.6	91.6	91.6	91.6	90.5	92.6
72.5°	83.4	80.4	79.4	78.3	78.3	78.3	77.3	77.3	77.3	76.3	77.3
75°	68.2	67.1	65.1	65.1	64.1	65.1	64.1	64.1	63.1	64.1	64.1
77.5°	54.9	53.9	52.9	52.9	51.9	51.9	51.9	51.9	51.9	51.9	52.9
80°	41.7	40.7	39.7	40.7	39.7	40.7	39.7	39.7	40.7	39.7	39.7
82.5°	30.5	29.5	29.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
85°	18.3	17.3	17.3	18.3	17.3	18.3	17.3	17.3	17.3	18.3	18.3
87.5°	8.1	9.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	9.2
90°	6.8	7.2	7.5	7.9	8.1	8.2	8.3	8.4	8.6	8.7	8.6
92.5°	7.9	8.0	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.7	8.6
95°	13.0	13.3	13.7	14.0	14.2	14.2	14.1	14.0	14.0	13.9	14.0
97.5°	16.6	16.8	17.1	17.3	17.4	17.4	17.5	17.6	17.6	17.7	17.6
100°	19.0	19.6	20.1	20.7	21.0	21.1	21.2	21.3	21.5	21.6	21.5
102.5°	19.8	20.6	21.4	22.2	22.6	22.7	22.9	23.1	23.3	23.5	23.3
105°	20.5	21.3	22.0	22.8	23.2	23.3	23.6	23.9	24.2	24.5	24.2
107.5°	21.1	21.9	22.7	23.5	23.9	24.0	24.3	24.6	24.8	25.1	24.8
110°	49.2	42.1	34.9	27.8	24.2	24.3	24.6	24.9	25.2	25.5	25.2

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	132.9	102.0	71.1	40.2	24.8	24.9	25.1	25.4	25.6	25.8	25.6
115°	165.7	132.5	99.4	66.2	49.6	47.0	41.9	36.7	31.6	26.4	31.6
117.5°	206.1	195.8	185.6	175.3	170.2	160.8	142.1	123.3	104.6	85.8	104.6
120°	237.2	238.0	238.9	239.8	240.2	235.4	225.7	216.0	206.4	196.7	206.4
122.5°	255.7	256.2	256.6	257.1	257.3	257.3	257.4	257.5	257.5	257.6	257.5
125°	272.9	273.4	273.9	274.4	274.7	274.8	275.0	275.3	275.5	275.7	275.5
127.5°	288.9	289.6	290.3	291.0	291.4	291.4	291.5	291.6	291.7	291.8	291.7
130°	304.2	305.0	305.7	306.5	306.9	306.9	306.8	306.7	306.7	306.6	306.7
132.5°	319.1	319.8	320.4	321.1	321.4	321.4	321.3	321.2	321.2	321.1	321.2
135°	333.1	333.8	334.5	335.2	335.6	335.5	335.4	335.3	335.1	335.0	335.1
137.5°	346.3	347.0	347.7	348.4	348.8	348.7	348.5	348.3	348.1	347.9	348.1
140°	359.1	359.8	360.4	361.1	361.4	361.2	360.9	360.5	360.2	359.8	360.2
142.5°	371.0	371.6	372.1	372.7	373.0	372.8	372.5	372.1	371.8	371.4	371.8
145°	381.9	382.4	382.9	383.4	383.7	383.5	383.1	382.8	382.4	382.0	382.4
147.5°	391.8	392.1	392.5	392.8	393.0	392.9	392.6	392.3	392.0	391.7	392.0
150°	400.5	400.9	401.4	401.8	402.0	401.8	401.5	401.1	400.8	400.4	400.8
152.5°	408.6	409.0	409.5	409.9	410.1	409.8	409.3	408.8	408.3	407.8	408.3
155°	415.7	416.1	416.6	417.0	417.2	416.9	416.3	415.8	415.2	414.6	415.2
157.5°	421.9	422.4	422.9	423.4	423.6	423.3	422.8	422.2	421.7	421.1	421.7
160°	427.3	427.7	428.2	428.6	428.8	428.5	428.0	427.5	427.0	426.5	427.0
162.5°	432.2	432.7	433.2	433.7	434.0	433.7	433.0	432.3	431.7	431.0	431.7
165°	436.1	436.6	437.1	437.6	437.8	437.6	437.1	436.6	436.1	435.6	436.1
167.5°	439.6	440.1	440.6	441.1	441.4	441.1	440.4	439.8	439.1	438.5	439.1
170°	442.2	442.7	443.2	443.7	443.9	443.6	442.9	442.3	441.6	441.0	441.6
172.5°	444.1	444.6	445.1	445.6	445.9	445.6	444.9	444.3	443.6	443.0	443.6
175°	445.4	445.9	446.4	446.9	447.2	446.8	446.1	445.4	444.6	443.9	444.6
177.5°	445.7	446.2	446.7	447.2	447.5	447.2	446.5	445.9	445.2	444.6	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0
2.5°	1543.4	1536.2	1534.2	1536.2	1534.2	1535.2	1528.1	1501.7	1508.8	1497.6	1503.7
5°	1630.9	1624.8	1611.5	1609.5	1607.5	1605.4	1595.3	1571.9	1562.7	1547.4	1546.4
7.5°	1714.3	1714.3	1704.1	1697.0	1687.8	1680.7	1667.5	1632.9	1618.7	1600.3	1590.2
10°	1796.7	1770.2	1781.4	1774.3	1751.9	1747.9	1723.4	1703.1	1675.6	1657.3	1641.0
12.5°	1855.7	1847.6	1837.4	1831.3	1825.2	1812.0	1795.7	1743.8	1729.6	1692.9	1674.6
15°	1853.7	1848.6	1851.6	1851.6	1849.6	1846.6	1833.3	1795.7	1771.3	1735.7	1704.1
17.5°	1754.0	1767.2	1780.4	1789.6	1809.9	1819.1	1831.3	1808.9	1793.6	1763.1	1729.6
20°	1580.0	1612.6	1651.2	1659.4	1677.7	1731.6	1756.0	1775.3	1781.4	1771.3	1743.8
22.5°	1337.9	1365.3	1458.9	1456.9	1483.3	1547.4	1618.7	1676.6	1722.4	1747.9	1737.7
25°	1047.9	1086.6	1136.4	1174.1	1260.5	1356.2	1444.7	1537.3	1616.6	1686.8	1704.1
27.5°	792.5	843.4	883.1	932.9	976.7	1089.6	1203.6	1348.0	1440.6	1573.9	1643.1
30°	641.0	664.4	704.0	727.4	748.8	835.3	964.5	1106.9	1269.7	1423.3	1542.4
32.5°	547.4	563.6	593.1	603.3	625.7	683.7	765.1	895.3	1063.2	1249.3	1406.0
35°	491.4	508.7	514.8	524.0	542.3	578.9	634.8	729.5	881.1	1063.2	1250.4
37.5°	443.6	452.7	470.0	476.1	482.2	509.7	547.4	613.5	714.2	863.8	1071.3
40°	410.0	415.1	424.2	429.3	433.4	452.7	486.3	531.1	605.3	719.3	910.6
42.5°	374.4	380.5	386.6	392.7	397.8	413.1	433.4	476.1	526.0	612.5	750.8
45°	339.8	343.9	351.0	355.1	362.2	374.4	392.7	422.2	467.0	521.9	633.8
47.5°	308.3	313.4	316.4	321.5	326.6	339.8	357.1	376.4	413.1	467.0	548.4
50°	279.8	285.9	290.0	291.0	295.0	307.2	321.5	342.9	366.3	408.0	479.2
52.5°	259.4	260.5	263.5	267.6	266.6	273.7	286.9	303.2	327.6	361.2	413.1
55°	236.0	239.1	241.1	242.1	242.1	248.2	255.4	270.6	290.0	317.4	361.2
57.5°	206.5	209.6	215.7	217.7	220.8	223.8	226.9	237.1	253.3	279.8	315.4
60°	176.0	178.0	184.1	188.2	190.3	198.4	202.5	210.6	219.8	239.1	272.7
62.5°	141.4	143.5	146.5	150.6	154.6	166.9	177.0	185.2	192.3	205.5	233.0
65°	123.1	124.1	126.2	127.2	128.2	133.3	142.4	153.6	166.9	177.0	193.3
67.5°	106.8	107.8	108.9	110.9	111.9	112.9	117.0	120.1	133.3	147.5	159.7
70°	91.6	93.6	94.6	94.6	95.6	97.7	99.7	103.8	107.8	115.0	130.2
72.5°	77.3	78.3	80.4	80.4	80.4	82.4	84.4	86.5	88.5	92.6	98.7
75°	64.1	66.1	66.1	66.1	67.1	67.1	69.2	71.2	73.3	76.3	78.3
77.5°	52.9	52.9	52.9	52.9	53.9	53.9	54.9	57.0	58.0	59.0	61.0
80°	39.7	40.7	40.7	40.7	41.7	41.7	41.7	43.7	44.8	44.8	46.8
82.5°	29.5	29.5	29.5	30.5	29.5	30.5	30.5	31.5	30.5	31.5	32.6
85°	18.3	18.3	18.3	19.3	19.3	19.3	19.3	19.3	19.3	19.3	20.3
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°	8.4	8.3	8.2	8.1	7.9	7.5	7.2	6.8	6.4	5.8	5.3
92.5°	8.6	8.5	8.4	8.4	8.3	8.2	8.0	7.9	7.7	7.5	7.3
95°	14.0	14.1	14.2	14.2	14.0	13.7	13.3	13.0	12.6	12.1	11.6
97.5°	17.6	17.5	17.4	17.4	17.3	17.1	16.8	16.6	16.4	15.3	14.1
100°	21.3	21.2	21.1	21.0	20.7	20.1	19.6	19.0	18.4	17.2	16.0
102.5°	23.1	22.9	22.7	22.6	22.2	21.4	20.6	19.8	19.0	32.0	45.1
105°	23.9	23.6	23.3	23.2	22.8	22.0	21.3	20.5	19.7	39.3	58.8
107.5°	24.6	24.3	24.0	23.9	23.5	22.7	21.9	21.1	20.3	44.5	68.6
110°	24.9	24.6	24.3	24.2	27.8	34.9	42.1	49.2	56.4	77.1	97.8

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	25.4	25.1	24.9	24.8	40.2	71.1	102.0	132.9	163.8	165.0	166.2
115°	36.7	41.9	47.0	49.6	66.2	99.4	132.5	165.7	198.9	197.1	195.3
117.5°	123.3	142.1	160.8	170.2	175.3	185.6	195.8	206.1	216.3	215.1	213.9
120°	216.0	225.7	235.4	240.2	239.8	238.9	238.0	237.2	236.3	235.0	233.7
122.5°	257.5	257.4	257.3	257.3	257.1	256.6	256.2	255.7	255.3	253.9	252.5
125°	275.3	275.0	274.8	274.7	274.4	273.9	273.4	272.9	272.4	271.0	269.7
127.5°	291.6	291.5	291.4	291.4	291.0	290.3	289.6	288.9	288.2	287.1	286.1
130°	306.7	306.8	306.9	306.9	306.5	305.7	305.0	304.2	303.4	302.6	301.8
132.5°	321.2	321.3	321.4	321.4	321.1	320.4	319.8	319.1	318.5	317.7	316.9
135°	335.3	335.4	335.5	335.6	335.2	334.5	333.8	333.1	332.4	331.8	331.1
137.5°	348.3	348.5	348.7	348.8	348.4	347.7	347.0	346.3	345.6	344.9	344.2
140°	360.5	360.9	361.2	361.4	361.1	360.4	359.8	359.1	358.5	357.7	356.9
142.5°	372.1	372.5	372.8	373.0	372.7	372.1	371.6	371.0	370.4	369.5	368.5
145°	382.8	383.1	383.5	383.7	383.4	382.9	382.4	381.9	381.4	380.2	379.0
147.5°	392.3	392.6	392.9	393.0	392.8	392.5	392.1	391.8	391.4	390.2	389.0
150°	401.1	401.5	401.8	402.0	401.8	401.4	400.9	400.5	400.1	398.9	397.8
152.5°	408.8	409.3	409.8	410.1	409.9	409.5	409.0	408.6	408.2	407.1	406.0
155°	415.8	416.3	416.9	417.2	417.0	416.6	416.1	415.7	415.3	414.4	413.6
157.5°	422.2	422.8	423.3	423.6	423.4	422.9	422.4	421.9	421.4	420.8	420.1
160°	427.5	428.0	428.5	428.8	428.6	428.2	427.7	427.3	426.9	426.5	426.0
162.5°	432.3	433.0	433.7	434.0	433.7	433.2	432.7	432.2	431.7	431.3	431.0
165°	436.6	437.1	437.6	437.8	437.6	437.1	436.6	436.1	435.6	435.4	435.2
167.5°	439.8	440.4	441.1	441.4	441.1	440.6	440.1	439.6	439.1	438.9	438.7
170°	442.3	442.9	443.6	443.9	443.7	443.2	442.7	442.2	441.7	441.5	441.4
172.5°	444.3	444.9	445.6	445.9	445.6	445.1	444.6	444.1	443.6	443.5	443.3
175°	445.4	446.1	446.8	447.2	446.9	446.4	445.9	445.4	444.9	444.8	444.6
177.5°	445.9	446.5	447.2	447.5	447.2	446.7	446.2	445.7	445.2	445.1	445.1
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0
2.5°	1494.5	1489.4	1489.4	1486.4	1486.4	1470.1	1470.1	1475.2	1469.1	1462.0	1451.8
5°	1533.2	1522.0	1519.0	1514.9	1501.7	1481.3	1473.2	1470.1	1457.9	1442.7	1425.4
7.5°	1569.8	1551.5	1542.4	1533.2	1515.9	1487.4	1471.1	1459.9	1441.6	1418.2	1395.9
10°	1605.4	1582.0	1558.6	1547.4	1523.0	1487.4	1464.0	1445.7	1419.3	1387.7	1356.2
12.5°	1638.0	1589.2	1585.1	1562.7	1527.1	1486.4	1450.8	1424.3	1390.8	1354.1	1317.5
15°	1666.5	1616.6	1592.2	1571.9	1525.1	1474.2	1436.5	1404.0	1359.2	1317.5	1272.7
17.5°	1680.7	1626.8	1610.5	1576.9	1529.1	1463.0	1412.1	1372.5	1323.6	1273.8	1222.9
20°	1695.0	1631.9	1605.4	1582.0	1516.9	1441.6	1384.7	1338.9	1285.0	1225.9	1170.0
22.5°	1702.1	1631.9	1600.3	1567.8	1504.7	1418.2	1351.1	1297.2	1234.1	1174.1	1106.9
25°	1689.9	1625.8	1588.1	1554.6	1483.3	1389.7	1312.4	1251.4	1184.2	1116.1	1047.9
27.5°	1659.4	1611.5	1567.8	1533.2	1453.8	1353.1	1271.7	1202.5	1133.4	1057.1	987.9
30°	1602.4	1581.0	1546.4	1507.8	1421.3	1320.6	1223.9	1152.7	1076.4	1000.1	927.9
32.5°	1513.9	1532.2	1509.8	1476.2	1382.6	1275.8	1173.0	1100.8	1017.4	935.0	868.8
35°	1406.0	1471.1	1458.9	1435.5	1341.9	1228.0	1125.2	1037.7	954.3	870.9	804.8
37.5°	1288.0	1386.7	1396.9	1382.6	1295.1	1179.1	1066.2	980.8	895.3	810.9	743.7
40°	1126.2	1277.8	1310.4	1316.5	1246.3	1120.1	1002.1	918.7	834.3	751.8	670.5
42.5°	977.7	1169.0	1209.7	1235.1	1184.2	1062.1	943.1	850.5	767.1	692.8	611.4
45°	838.3	1037.7	1103.9	1136.4	1114.0	996.0	872.9	786.4	710.1	642.0	563.6
47.5°	694.9	895.3	987.9	1039.8	1039.8	928.9	805.8	720.3	647.1	589.1	519.9
50°	599.2	766.1	861.7	929.9	948.2	860.7	744.7	661.3	592.1	529.0	476.1
52.5°	510.7	660.3	739.6	810.9	863.8	787.5	676.6	601.3	533.1	474.1	432.4
55°	441.5	553.5	625.7	704.0	763.0	713.2	610.4	537.2	478.2	429.3	393.7
57.5°	375.4	473.1	532.1	601.3	664.4	626.7	544.3	481.2	429.3	386.6	355.1
60°	319.5	398.8	444.6	498.5	576.9	550.4	482.2	424.2	382.5	343.9	317.4
62.5°	271.6	334.7	373.4	412.0	483.3	471.0	418.1	373.4	337.8	305.2	282.8
65°	222.8	274.7	305.2	338.8	395.8	400.8	358.1	326.6	294.0	265.5	245.2
67.5°	180.1	220.8	248.2	276.7	322.5	336.8	307.2	280.8	253.3	229.9	211.6
70°	145.5	174.0	194.3	216.7	254.3	271.6	256.4	238.1	215.7	196.4	180.1
72.5°	115.0	133.3	145.5	162.8	193.3	210.6	209.6	193.3	177.0	163.8	150.6
75°	84.4	98.7	108.9	120.1	144.5	160.7	164.8	157.7	141.4	131.2	121.1
77.5°	64.1	72.2	77.3	85.5	102.8	117.0	123.1	121.1	109.9	101.7	94.6
80°	48.8	50.9	52.9	56.0	70.2	83.4	87.5	86.5	80.4	77.3	69.2
82.5°	34.6	35.6	36.6	37.6	42.7	53.9	58.0	60.0	54.9	51.9	44.8
85°	20.3	21.4	21.4	23.4	24.4	27.5	34.6	34.6	33.6	29.5	28.5
87.5°	10.2	10.2	9.2	9.2	10.2	11.2	13.2	15.3	13.2	12.2	11.2
90°	4.7	4.2	3.9	3.5	2.7	1.9	1.1	0.3	1.1	1.9	2.7
92.5°	7.1	6.9	6.8	6.9	7.2	7.5	7.8	8.1	7.8	7.5	7.2
95°	11.1	10.6	10.3	11.5	13.9	16.2	18.6	21.0	18.6	16.2	13.9
97.5°	13.0	11.9	11.3	14.2	20.1	26.0	31.8	37.7	31.8	26.0	20.1
100°	14.7	13.5	12.9	17.8	27.6	37.5	47.3	57.1	47.3	37.5	27.6
102.5°	58.1	71.2	77.7	77.8	77.9	78.0	78.2	78.3	78.2	78.0	77.9
105°	78.4	97.9	107.7	106.6	104.5	102.3	100.2	98.0	100.2	102.3	104.5
107.5°	92.8	116.9	129.0	128.1	126.3	124.5	122.7	120.9	122.7	124.5	126.3
110°	118.5	139.2	149.6	148.8	147.3	145.8	144.3	142.8	144.3	145.8	147.3



TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	167.5	168.7	169.3	168.7	167.4	166.1	164.8	163.5	164.8	166.1	167.4
115°	193.6	191.8	190.9	190.3	189.1	187.8	186.6	185.4	186.6	187.8	189.1
117.5°	212.6	211.4	210.8	210.1	208.7	207.2	205.8	204.4	205.8	207.2	208.7
120°	232.4	231.1	230.5	230.0	228.9	227.8	226.8	225.7	226.8	227.8	228.9
122.5°	251.0	249.6	248.9	248.3	247.2	246.0	244.9	243.7	244.9	246.0	247.2
125°	268.3	267.0	266.3	265.8	264.9	264.0	263.0	262.1	263.0	264.0	264.9
127.5°	285.0	283.9	283.4	282.9	281.9	280.9	279.9	278.9	279.9	280.9	281.9
130°	301.0	300.2	299.8	299.2	298.1	297.0	295.8	294.7	295.8	297.0	298.1
132.5°	316.2	315.4	315.0	314.5	313.6	312.7	311.7	310.8	311.7	312.7	313.6
135°	330.5	329.8	329.5	328.9	327.8	326.6	325.5	324.3	325.5	326.6	327.8
137.5°	343.5	342.8	342.4	342.0	341.1	340.2	339.4	338.5	339.4	340.2	341.1
140°	356.2	355.4	355.0	354.7	354.1	353.6	353.0	352.4	353.0	353.6	354.1
142.5°	367.6	366.7	366.2	366.0	365.5	365.0	364.5	364.0	364.5	365.0	365.5
145°	377.7	376.5	375.9	375.9	376.0	376.1	376.1	376.2	376.1	376.1	376.0
147.5°	387.7	386.5	385.9	386.0	386.2	386.5	386.7	386.9	386.7	386.5	386.2
150°	396.6	395.5	394.9	395.2	395.7	396.2	396.7	397.2	396.7	396.2	395.7
152.5°	404.9	403.8	403.3	403.6	404.2	404.7	405.3	405.9	405.3	404.7	404.2
155°	412.7	411.8	411.4	411.7	412.4	413.0	413.7	414.3	413.7	413.0	412.4
157.5°	419.5	418.8	418.5	418.8	419.4	419.9	420.5	421.1	420.5	419.9	419.4
160°	425.6	425.1	424.9	425.1	425.6	426.0	426.5	426.9	426.5	426.0	425.6
162.5°	430.6	430.3	430.1	430.3	430.7	431.2	431.6	432.0	431.6	431.2	430.7
165°	434.9	434.7	434.6	434.8	435.2	435.7	436.1	436.5	436.1	435.7	435.2
167.5°	438.4	438.2	438.1	438.3	438.8	439.2	439.7	440.1	439.7	439.2	438.8
170°	441.2	441.1	441.0	441.2	441.7	442.1	442.6	443.0	442.6	442.1	441.7
172.5°	443.2	443.1	443.0	443.2	443.6	444.1	444.5	444.9	444.5	444.1	443.6
175°	444.5	444.4	444.3	444.5	445.0	445.5	446.0	446.5	446.0	445.5	445.0
177.5°	445.0	444.9	444.9	445.2	445.7	446.2	446.7	447.2	446.7	446.2	445.7
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0
2.5°	1447.7	1448.8	1451.8	1442.7	1428.4	1422.3	1404.0	1400.9	1397.9	1397.9	1400.9
5°	1415.2	1411.1	1412.1	1394.8	1374.5	1362.3	1336.8	1340.9	1327.7	1319.5	1321.6
7.5°	1379.6	1368.4	1367.4	1345.0	1319.5	1297.2	1270.7	1264.6	1252.4	1238.2	1232.1
10°	1334.8	1326.7	1311.4	1286.0	1253.4	1235.1	1199.5	1178.1	1175.1	1153.7	1145.6
12.5°	1289.0	1274.8	1259.5	1223.9	1187.3	1157.8	1131.3	1107.9	1091.7	1073.3	1061.1
15°	1236.1	1218.8	1201.5	1163.9	1121.2	1091.7	1052.0	1017.4	969.6	931.9	910.6
17.5°	1178.1	1158.8	1135.4	1093.7	1052.0	1011.3	938.0	897.3	863.8	841.4	828.2
20°	1118.1	1096.7	1073.3	1031.6	959.4	888.2	847.5	815.9	795.6	773.2	756.9
22.5°	1055.0	1032.6	1007.2	942.1	865.8	815.9	784.4	754.9	725.4	713.2	705.0
25°	996.0	975.7	943.1	854.6	794.6	748.8	713.2	693.9	678.6	662.3	647.1
27.5°	935.0	897.3	851.6	777.3	739.6	692.8	667.4	653.2	626.7	615.5	608.4
30°	861.7	820.0	776.3	723.4	679.6	647.1	623.7	600.3	585.0	573.8	561.6
32.5°	787.5	747.8	720.3	665.4	632.8	599.2	576.9	562.6	540.2	533.1	528.0
35°	723.4	689.8	665.4	620.6	590.1	559.6	543.3	521.9	507.7	494.4	486.3
37.5°	660.3	642.0	616.5	578.9	546.3	521.9	499.5	492.4	473.1	466.0	457.8
40°	616.5	589.1	567.7	535.1	507.7	481.2	467.0	450.7	437.5	426.3	423.2
42.5°	563.6	543.3	531.1	495.5	467.0	451.7	434.4	416.1	405.9	396.8	385.6
45°	524.0	505.6	488.3	459.9	434.4	415.1	399.8	387.6	370.3	366.3	349.0
47.5°	482.2	463.9	450.7	422.2	398.8	380.5	369.3	353.0	338.8	329.6	321.5
50°	440.5	425.3	413.1	388.6	368.3	349.0	333.7	317.4	311.3	296.1	291.0
52.5°	400.8	390.7	377.4	354.0	333.7	317.4	301.1	287.9	278.8	270.6	264.5
55°	367.3	351.0	344.9	319.5	302.2	284.9	270.6	262.5	251.3	246.2	241.1
57.5°	329.6	320.5	310.3	291.0	271.6	255.4	245.2	233.0	226.9	220.8	216.7
60°	297.1	283.9	275.7	259.4	242.1	226.9	217.7	208.6	200.4	195.3	187.2
62.5°	259.4	249.3	244.2	226.9	212.6	198.4	190.3	181.1	175.0	165.8	155.7
65°	226.9	218.7	212.6	198.4	185.2	171.9	163.8	152.6	144.5	139.4	138.4
67.5°	198.4	192.3	183.1	169.9	156.7	146.5	137.3	128.2	127.2	125.1	125.1
70°	166.9	160.7	155.7	141.4	130.2	119.0	117.0	113.9	110.9	109.9	107.8
72.5°	139.4	134.3	128.2	116.0	104.8	101.7	99.7	97.7	94.6	93.6	92.6
75°	112.9	105.8	101.7	90.5	87.5	85.5	83.4	80.4	78.3	77.3	75.3
77.5°	86.5	79.4	79.4	73.3	71.2	68.2	66.1	64.1	63.1	61.0	61.0
80°	61.0	61.0	59.0	56.0	52.9	51.9	48.8	47.8	46.8	47.8	45.8
82.5°	44.8	40.7	40.7	38.7	36.6	35.6	33.6	33.6	32.6	32.6	32.6
85°	25.4	25.4	24.4	22.4	21.4	21.4	20.3	20.3	19.3	19.3	18.3
87.5°	10.2	9.2	10.2	9.2	9.2	8.1	8.1	8.1	7.1	8.1	7.1
90°	3.5	3.9	4.2	4.7	5.3	5.8	6.4	6.8	7.2	7.5	7.9
92.5°	6.9	6.8	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.3
95°	11.5	10.3	10.6	11.1	11.6	12.1	12.6	13.0	13.3	13.7	14.0
97.5°	14.2	11.3	11.9	13.0	14.1	15.3	16.4	16.6	16.8	17.1	17.3
100°	17.8	12.9	13.5	14.7	16.0	17.2	18.4	19.0	19.6	20.1	20.7
102.5°	77.8	77.7	71.2	58.1	45.1	32.0	19.0	19.8	20.6	21.4	22.2
105°	106.6	107.7	97.9	78.4	58.8	39.3	19.7	20.5	21.3	22.0	22.8
107.5°	128.1	129.0	116.9	92.8	68.6	44.5	20.3	21.1	21.9	22.7	23.5
110°	148.8	149.6	139.2	118.5	97.8	77.1	56.4	49.2	42.1	34.9	27.8

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	168.7	169.3	168.7	167.5	166.2	165.0	163.8	132.9	102.0	71.1	40.2
115°	190.3	190.9	191.8	193.6	195.3	197.1	198.9	165.7	132.5	99.4	66.2
117.5°	210.1	210.8	211.4	212.6	213.9	215.1	216.3	206.1	195.8	185.6	175.3
120°	230.0	230.5	231.1	232.4	233.7	235.0	236.3	237.2	238.0	238.9	239.8
122.5°	248.3	248.9	249.6	251.0	252.5	253.9	255.3	255.7	256.2	256.6	257.1
125°	265.8	266.3	267.0	268.3	269.7	271.0	272.4	272.9	273.4	273.9	274.4
127.5°	282.9	283.4	283.9	285.0	286.1	287.1	288.2	288.9	289.6	290.3	291.0
130°	299.2	299.8	300.2	301.0	301.8	302.6	303.4	304.2	305.0	305.7	306.5
132.5°	314.5	315.0	315.4	316.2	316.9	317.7	318.5	319.1	319.8	320.4	321.1
135°	328.9	329.5	329.8	330.5	331.1	331.8	332.4	333.1	333.8	334.5	335.2
137.5°	342.0	342.4	342.8	343.5	344.2	344.9	345.6	346.3	347.0	347.7	348.4
140°	354.7	355.0	355.4	356.2	356.9	357.7	358.5	359.1	359.8	360.4	361.1
142.5°	366.0	366.2	366.7	367.6	368.5	369.5	370.4	371.0	371.6	372.1	372.7
145°	375.9	375.9	376.5	377.7	379.0	380.2	381.4	381.9	382.4	382.9	383.4
147.5°	386.0	385.9	386.5	387.7	389.0	390.2	391.4	391.8	392.1	392.5	392.8
150°	395.2	394.9	395.5	396.6	397.8	398.9	400.1	400.5	400.9	401.4	401.8
152.5°	403.6	403.3	403.8	404.9	406.0	407.1	408.2	408.6	409.0	409.5	409.9
155°	411.7	411.4	411.8	412.7	413.6	414.4	415.3	415.7	416.1	416.6	417.0
157.5°	418.8	418.5	418.8	419.5	420.1	420.8	421.4	421.9	422.4	422.9	423.4
160°	425.1	424.9	425.1	425.6	426.0	426.5	426.9	427.3	427.7	428.2	428.6
162.5°	430.3	430.1	430.3	430.6	431.0	431.3	431.7	432.2	432.7	433.2	433.7
165°	434.8	434.6	434.7	434.9	435.2	435.4	435.6	436.1	436.6	437.1	437.6
167.5°	438.3	438.1	438.2	438.4	438.7	438.9	439.1	439.6	440.1	440.6	441.1
170°	441.2	441.0	441.1	441.2	441.4	441.5	441.7	442.2	442.7	443.2	443.7
172.5°	443.2	443.0	443.1	443.2	443.3	443.5	443.6	444.1	444.6	445.1	445.6
175°	444.5	444.3	444.4	444.5	444.6	444.8	444.9	445.4	445.9	446.4	446.9
177.5°	445.2	444.9	444.9	445.0	445.1	445.1	445.2	445.7	446.2	446.7	447.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0
2.5°	1400.9	1398.9	1392.8	1394.8	1391.8	1391.8	1389.7	1389.7	1389.7	1394.8	1391.8
5°	1324.6	1317.5	1310.4	1307.3	1304.3	1301.2	1301.2	1300.2	1309.4	1307.3	1315.5
7.5°	1230.0	1228.0	1213.7	1213.7	1208.7	1206.6	1211.7	1212.7	1213.7	1215.8	1220.9
10°	1145.6	1140.5	1120.1	1122.2	1119.1	1115.1	1118.1	1116.1	1123.2	1125.2	1123.2
12.5°	1045.9	1036.7	1014.3	1003.1	990.9	981.8	993.0	984.8	1013.3	1021.5	1043.8
15°	913.6	896.3	881.1	881.1	869.9	861.7	866.8	876.0	882.1	891.2	895.3
17.5°	825.1	818.0	805.8	798.6	795.6	792.5	792.5	796.6	809.8	808.8	817.0
20°	749.8	745.7	739.6	730.5	727.4	725.4	725.4	725.4	734.6	742.7	747.8
22.5°	697.9	694.9	690.8	678.6	672.5	670.5	675.5	678.6	685.7	691.8	696.9
25°	646.0	638.9	631.8	627.7	624.7	624.7	626.7	627.7	630.8	633.8	639.9
27.5°	603.3	598.2	588.0	576.9	576.9	573.8	575.8	577.9	585.0	595.2	600.3
30°	555.5	554.5	550.4	546.3	542.3	540.2	544.3	547.4	548.4	553.5	553.5
32.5°	520.9	513.8	506.7	502.6	500.6	499.5	500.6	504.6	504.6	510.7	517.8
35°	486.3	482.2	475.1	468.0	466.0	460.9	464.9	469.0	476.1	479.2	482.2
37.5°	448.7	443.6	440.5	438.5	434.4	435.4	432.4	438.5	444.6	443.6	445.6
40°	420.2	411.0	401.9	400.8	399.8	398.8	398.8	399.8	403.9	408.0	414.1
42.5°	383.6	380.5	372.4	364.2	362.2	360.2	358.1	362.2	370.3	377.4	380.5
45°	345.9	341.8	339.8	333.7	329.6	328.6	326.6	331.7	338.8	341.8	343.9
47.5°	311.3	310.3	304.2	305.2	302.2	303.2	302.2	305.2	305.2	308.3	310.3
50°	287.9	284.9	281.8	279.8	276.7	276.7	275.7	276.7	280.8	284.9	283.9
52.5°	264.5	259.4	258.4	257.4	255.4	257.4	254.3	255.4	259.4	261.5	260.5
55°	237.1	236.0	234.0	232.0	230.9	229.9	229.9	229.9	234.0	237.1	238.1
57.5°	215.7	210.6	206.5	206.5	202.5	201.4	203.5	204.5	207.5	209.6	211.6
60°	186.2	184.1	178.0	175.0	168.9	167.9	167.9	171.9	177.0	184.1	186.2
62.5°	154.6	151.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	151.6	151.6
65°	137.3	138.4	137.3	136.3	137.3	137.3	136.3	136.3	136.3	137.3	138.4
67.5°	123.1	122.1	123.1	122.1	121.1	121.1	120.1	121.1	122.1	123.1	123.1
70°	106.8	106.8	105.8	106.8	105.8	104.8	103.8	103.8	105.8	106.8	106.8
72.5°	91.6	91.6	90.5	90.5	88.5	88.5	89.5	88.5	88.5	91.6	91.6
75°	76.3	75.3	74.3	74.3	73.3	73.3	73.3	72.2	74.3	74.3	75.3
77.5°	60.0	60.0	60.0	59.0	59.0	58.0	58.0	59.0	59.0	59.0	60.0
80°	45.8	45.8	45.8	44.8	43.7	43.7	43.7	43.7	43.7	44.8	43.7
82.5°	31.5	31.5	31.5	31.5	31.5	30.5	30.5	30.5	31.5	31.5	30.5
85°	19.3	18.3	19.3	19.3	18.3	19.3	18.3	18.3	17.3	17.3	18.3
87.5°	8.1	7.1	6.1	6.1	7.1	6.1	6.1	6.1	7.1	6.1	6.1
90°	8.1	8.2	8.3	8.4	8.6	8.7	8.6	8.4	8.3	8.2	8.1
92.5°	8.4	8.4	8.5	8.6	8.6	8.7	8.6	8.6	8.5	8.4	8.4
95°	14.2	14.2	14.1	14.0	14.0	13.9	14.0	14.0	14.1	14.2	14.2
97.5°	17.4	17.4	17.5	17.6	17.6	17.7	17.6	17.6	17.5	17.4	17.4
100°	21.0	21.1	21.2	21.3	21.5	21.6	21.5	21.3	21.2	21.1	21.0
102.5°	22.6	22.7	22.9	23.1	23.3	23.5	23.3	23.1	22.9	22.7	22.6
105°	23.2	23.3	23.6	23.9	24.2	24.5	24.2	23.9	23.6	23.3	23.2
107.5°	23.9	24.0	24.3	24.6	24.8	25.1	24.8	24.6	24.3	24.0	23.9
110°	24.2	24.3	24.6	24.9	25.2	25.5	25.2	24.9	24.6	24.3	24.2

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	24.8	24.9	25.1	25.4	25.6	25.8	25.6	25.4	25.1	24.9	24.8
115°	49.6	47.0	41.9	36.7	31.6	26.4	31.6	36.7	41.9	47.0	49.6
117.5°	170.2	160.8	142.1	123.3	104.6	85.8	104.6	123.3	142.1	160.8	170.2
120°	240.2	235.4	225.7	216.0	206.4	196.7	206.4	216.0	225.7	235.4	240.2
122.5°	257.3	257.3	257.4	257.5	257.5	257.6	257.5	257.5	257.4	257.3	257.3
125°	274.7	274.8	275.0	275.3	275.5	275.7	275.5	275.3	275.0	274.8	274.7
127.5°	291.4	291.4	291.5	291.6	291.7	291.8	291.7	291.6	291.5	291.4	291.4
130°	306.9	306.9	306.8	306.7	306.7	306.6	306.7	306.7	306.8	306.9	306.9
132.5°	321.4	321.4	321.3	321.2	321.2	321.1	321.2	321.2	321.3	321.4	321.4
135°	335.6	335.5	335.4	335.3	335.1	335.0	335.1	335.3	335.4	335.5	335.6
137.5°	348.8	348.7	348.5	348.3	348.1	347.9	348.1	348.3	348.5	348.7	348.8
140°	361.4	361.2	360.9	360.5	360.2	359.8	360.2	360.5	360.9	361.2	361.4
142.5°	373.0	372.8	372.5	372.1	371.8	371.4	371.8	372.1	372.5	372.8	373.0
145°	383.7	383.5	383.1	382.8	382.4	382.0	382.4	382.8	383.1	383.5	383.7
147.5°	393.0	392.9	392.6	392.3	392.0	391.7	392.0	392.3	392.6	392.9	393.0
150°	402.0	401.8	401.5	401.1	400.8	400.4	400.8	401.1	401.5	401.8	402.0
152.5°	410.1	409.8	409.3	408.8	408.3	407.8	408.3	408.8	409.3	409.8	410.1
155°	417.2	416.9	416.3	415.8	415.2	414.6	415.2	415.8	416.3	416.9	417.2
157.5°	423.6	423.3	422.8	422.2	421.7	421.1	421.7	422.2	422.8	423.3	423.6
160°	428.8	428.5	428.0	427.5	427.0	426.5	427.0	427.5	428.0	428.5	428.8
162.5°	434.0	433.7	433.0	432.3	431.7	431.0	431.7	432.3	433.0	433.7	434.0
165°	437.8	437.6	437.1	436.6	436.1	435.6	436.1	436.6	437.1	437.6	437.8
167.5°	441.4	441.1	440.4	439.8	439.1	438.5	439.1	439.8	440.4	441.1	441.4
170°	443.9	443.6	442.9	442.3	441.6	441.0	441.6	442.3	442.9	443.6	443.9
172.5°	445.9	445.6	444.9	444.3	443.6	443.0	443.6	444.3	444.9	445.6	445.9
175°	447.2	446.8	446.1	445.4	444.6	443.9	444.6	445.4	446.1	446.8	447.2
177.5°	447.5	447.2	446.5	445.9	445.2	444.6	445.2	445.9	446.5	447.2	447.5
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0	1464.0
2.5°	1394.8	1399.9	1397.9	1386.7	1397.9	1400.9	1407.0	1413.1	1417.2	1423.3	1428.4
5°	1307.3	1317.5	1323.6	1317.5	1337.9	1340.9	1355.2	1363.3	1375.5	1385.7	1393.8
7.5°	1224.9	1233.1	1245.3	1247.3	1259.5	1273.8	1294.1	1314.5	1333.8	1344.0	1353.1
10°	1136.4	1150.7	1169.0	1164.9	1183.2	1205.6	1227.0	1259.5	1275.8	1294.1	1310.4
12.5°	1047.9	1057.1	1081.5	1089.6	1116.1	1133.4	1162.9	1183.2	1223.9	1245.3	1259.5
15°	893.3	930.9	961.4	998.1	1032.6	1065.2	1091.7	1128.3	1163.9	1180.2	1203.6
17.5°	823.1	840.4	858.7	877.0	921.7	979.7	1026.5	1066.2	1096.7	1118.1	1145.6
20°	749.8	767.1	787.5	804.8	832.2	873.9	931.9	1000.1	1036.7	1059.1	1085.5
22.5°	697.9	714.2	727.4	742.7	764.1	794.6	838.3	922.8	971.6	999.1	1022.5
25°	642.0	662.3	676.6	687.8	705.0	738.6	774.2	822.0	909.5	930.9	963.5
27.5°	603.3	609.4	625.7	643.0	660.3	678.6	715.2	755.9	814.9	861.7	901.4
30°	557.5	572.8	588.0	595.2	610.4	636.9	659.3	703.0	748.8	785.4	833.2
32.5°	522.9	532.1	542.3	559.6	573.8	592.1	614.5	651.1	689.8	713.2	749.8
35°	484.3	490.4	511.7	518.9	533.1	551.4	573.8	602.3	644.0	662.3	688.8
37.5°	447.6	461.9	468.0	484.3	497.5	515.8	532.1	564.6	592.1	613.5	637.9
40°	419.2	425.3	436.5	450.7	461.9	476.1	496.5	519.9	549.4	566.7	588.0
42.5°	384.6	389.7	403.9	412.0	430.4	443.6	455.8	484.3	510.7	524.0	545.3
45°	346.9	359.1	368.3	384.6	394.7	411.0	426.3	446.6	471.0	486.3	498.5
47.5°	314.4	326.6	335.7	351.0	367.3	374.4	390.7	412.0	434.4	446.6	463.9
50°	287.9	292.0	309.3	316.4	333.7	347.9	359.1	377.4	401.9	409.0	423.2
52.5°	262.5	265.5	276.7	285.9	301.1	313.4	327.6	344.9	365.2	376.4	387.6
55°	240.1	242.1	247.2	257.4	267.6	282.8	296.1	312.3	329.6	341.8	352.0
57.5°	214.7	218.7	222.8	228.9	239.1	253.3	267.6	282.8	297.1	305.2	318.4
60°	185.2	191.3	198.4	205.5	212.6	222.8	239.1	253.3	266.6	273.7	283.9
62.5°	153.6	165.8	171.9	180.1	186.2	195.3	207.5	223.8	233.0	242.1	250.3
65°	138.4	139.4	140.4	148.5	159.7	168.9	180.1	192.3	206.5	212.6	218.7
67.5°	123.1	124.1	126.2	127.2	131.2	141.4	153.6	166.9	178.0	182.1	188.2
70°	107.8	107.8	111.9	112.9	113.9	115.0	125.1	138.4	148.5	153.6	160.7
72.5°	91.6	92.6	94.6	95.6	97.7	99.7	102.8	109.9	122.1	127.2	135.3
75°	75.3	76.3	77.3	78.3	81.4	82.4	85.5	89.5	94.6	100.7	105.8
77.5°	60.0	60.0	61.0	63.1	65.1	66.1	69.2	71.2	73.3	76.3	80.4
80°	44.8	45.8	45.8	47.8	47.8	48.8	49.9	52.9	54.9	57.0	59.0
82.5°	30.5	32.6	32.6	32.6	33.6	34.6	35.6	35.6	37.6	38.7	41.7
85°	18.3	19.3	19.3	19.3	18.3	20.3	20.3	21.4	21.4	21.4	22.4
87.5°	7.1	6.1	7.1	7.1	7.1	8.1	7.1	7.1	8.1	9.2	9.2
90°	7.9	7.5	7.2	6.8	6.4	5.8	5.3	4.7	4.2	3.9	3.5
92.5°	8.3	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.8	6.9
95°	14.0	13.7	13.3	13.0	12.6	12.1	11.6	11.1	10.6	10.3	11.5
97.5°	17.3	17.1	16.8	16.6	16.4	15.3	14.1	13.0	11.9	11.3	14.2
100°	20.7	20.1	19.6	19.0	18.4	17.2	16.0	14.7	13.5	12.9	17.8
102.5°	22.2	21.4	20.6	19.8	19.0	32.0	45.1	58.1	71.2	77.7	77.8
105°	22.8	22.0	21.3	20.5	19.7	39.3	58.8	78.4	97.9	107.7	106.6
107.5°	23.5	22.7	21.9	21.1	20.3	44.5	68.6	92.8	116.9	129.0	128.1
110°	27.8	34.9	42.1	49.2	56.4	77.1	97.8	118.5	139.2	149.6	148.8

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	40.2	71.1	102.0	132.9	163.8	165.0	166.2	167.5	168.7	169.3	168.7
115°	66.2	99.4	132.5	165.7	198.9	197.1	195.3	193.6	191.8	190.9	190.3
117.5°	175.3	185.6	195.8	206.1	216.3	215.1	213.9	212.6	211.4	210.8	210.1
120°	239.8	238.9	238.0	237.2	236.3	235.0	233.7	232.4	231.1	230.5	230.0
122.5°	257.1	256.6	256.2	255.7	255.3	253.9	252.5	251.0	249.6	248.9	248.3
125°	274.4	273.9	273.4	272.9	272.4	271.0	269.7	268.3	267.0	266.3	265.8
127.5°	291.0	290.3	289.6	288.9	288.2	287.1	286.1	285.0	283.9	283.4	282.9
130°	306.5	305.7	305.0	304.2	303.4	302.6	301.8	301.0	300.2	299.8	299.2
132.5°	321.1	320.4	319.8	319.1	318.5	317.7	316.9	316.2	315.4	315.0	314.5
135°	335.2	334.5	333.8	333.1	332.4	331.8	331.1	330.5	329.8	329.5	328.9
137.5°	348.4	347.7	347.0	346.3	345.6	344.9	344.2	343.5	342.8	342.4	342.0
140°	361.1	360.4	359.8	359.1	358.5	357.7	356.9	356.2	355.4	355.0	354.7
142.5°	372.7	372.1	371.6	371.0	370.4	369.5	368.5	367.6	366.7	366.2	366.0
145°	383.4	382.9	382.4	381.9	381.4	380.2	379.0	377.7	376.5	375.9	375.9
147.5°	392.8	392.5	392.1	391.8	391.4	390.2	389.0	387.7	386.5	385.9	386.0
150°	401.8	401.4	400.9	400.5	400.1	398.9	397.8	396.6	395.5	394.9	395.2
152.5°	409.9	409.5	409.0	408.6	408.2	407.1	406.0	404.9	403.8	403.3	403.6
155°	417.0	416.6	416.1	415.7	415.3	414.4	413.6	412.7	411.8	411.4	411.7
157.5°	423.4	422.9	422.4	421.9	421.4	420.8	420.1	419.5	418.8	418.5	418.8
160°	428.6	428.2	427.7	427.3	426.9	426.5	426.0	425.6	425.1	424.9	425.1
162.5°	433.7	433.2	432.7	432.2	431.7	431.3	431.0	430.6	430.3	430.1	430.3
165°	437.6	437.1	436.6	436.1	435.6	435.4	435.2	434.9	434.7	434.6	434.8
167.5°	441.1	440.6	440.1	439.6	439.1	438.9	438.7	438.4	438.2	438.1	438.3
170°	443.7	443.2	442.7	442.2	441.7	441.5	441.4	441.2	441.1	441.0	441.2
172.5°	445.6	445.1	444.6	444.1	443.6	443.5	443.3	443.2	443.1	443.0	443.2
175°	446.9	446.4	445.9	445.4	444.9	444.8	444.6	444.5	444.4	444.3	444.5
177.5°	447.2	446.7	446.2	445.7	445.2	445.1	445.1	445.0	444.9	444.9	445.2
180°	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6	445.6

TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1464.0	1464.0	1464.0	1464.0
2.5°	1437.6	1434.5	1452.8	1473.2
5°	1408.1	1413.1	1436.5	1465.0
7.5°	1377.5	1388.7	1416.2	1453.8
10°	1334.8	1355.2	1396.9	1435.5
12.5°	1293.1	1320.6	1360.2	1406.0
15°	1246.3	1276.8	1325.7	1380.6
17.5°	1194.4	1229.0	1286.0	1346.0
20°	1139.5	1185.3	1245.3	1310.4
22.5°	1078.4	1133.4	1195.4	1267.7
25°	1019.4	1079.4	1141.5	1224.9
27.5°	961.4	1020.4	1089.6	1174.1
30°	903.4	957.4	1031.6	1122.2
32.5°	841.4	897.3	975.7	1068.3
35°	784.4	840.4	913.6	1005.2
37.5°	723.4	783.4	853.6	948.2
40°	652.1	722.3	790.5	881.1
42.5°	593.1	667.4	733.5	819.0
45°	546.3	616.5	671.5	754.9
47.5°	502.6	559.6	615.5	692.8
50°	460.9	504.6	562.6	631.8
52.5°	418.1	455.8	505.6	570.8
55°	379.5	415.1	459.9	509.7
57.5°	343.9	369.3	414.1	458.8
60°	304.2	330.6	365.2	402.9
62.5°	270.6	291.0	323.5	355.1
65°	235.0	254.3	278.8	308.3
67.5°	202.5	219.8	239.1	262.5
70°	173.0	186.2	200.4	220.8
72.5°	141.4	155.7	168.9	185.2
75°	116.0	122.1	133.3	144.5
77.5°	89.5	97.7	103.8	112.9
80°	64.1	71.2	73.3	80.4
82.5°	42.7	46.8	50.9	52.9
85°	24.4	26.5	30.5	31.5
87.5°	9.2	10.2	12.2	14.2
90°	2.7	1.9	1.1	0.3
92.5°	7.2	7.5	7.8	8.1
95°	13.9	16.2	18.6	21.0
97.5°	20.1	26.0	31.8	37.7
100°	27.6	37.5	47.3	57.1
102.5°	77.9	78.0	78.2	78.3
105°	104.5	102.3	100.2	98.0
107.5°	126.3	124.5	122.7	120.9
110°	147.3	145.8	144.3	142.8



TEST NUMBER: P999907

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_2700K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	167.4	166.1	164.8	163.5
115°	189.1	187.8	186.6	185.4
117.5°	208.7	207.2	205.8	204.4
120°	228.9	227.8	226.8	225.7
122.5°	247.2	246.0	244.9	243.7
125°	264.9	264.0	263.0	262.1
127.5°	281.9	280.9	279.9	278.9
130°	298.1	297.0	295.8	294.7
132.5°	313.6	312.7	311.7	310.8
135°	327.8	326.6	325.5	324.3
137.5°	341.1	340.2	339.4	338.5
140°	354.1	353.6	353.0	352.4
142.5°	365.5	365.0	364.5	364.0
145°	376.0	376.1	376.1	376.2
147.5°	386.2	386.5	386.7	386.9
150°	395.7	396.2	396.7	397.2
152.5°	404.2	404.7	405.3	405.9
155°	412.4	413.0	413.7	414.3
157.5°	419.4	419.9	420.5	421.1
160°	425.6	426.0	426.5	426.9
162.5°	430.7	431.2	431.6	432.0
165°	435.2	435.7	436.1	436.5
167.5°	438.8	439.2	439.7	440.1
170°	441.7	442.1	442.6	443.0
172.5°	443.6	444.1	444.5	444.9
175°	445.0	445.5	446.0	446.5
177.5°	445.7	446.2	446.7	447.2
180°	445.6	445.6	445.6	445.6

(END OF REPORT)