

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: P999951

Luminaire Tested: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999951
REPORT IS A COMBINATION OF REPORTS P988508 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K
Description: Define 2 Regressed Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015}
{m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

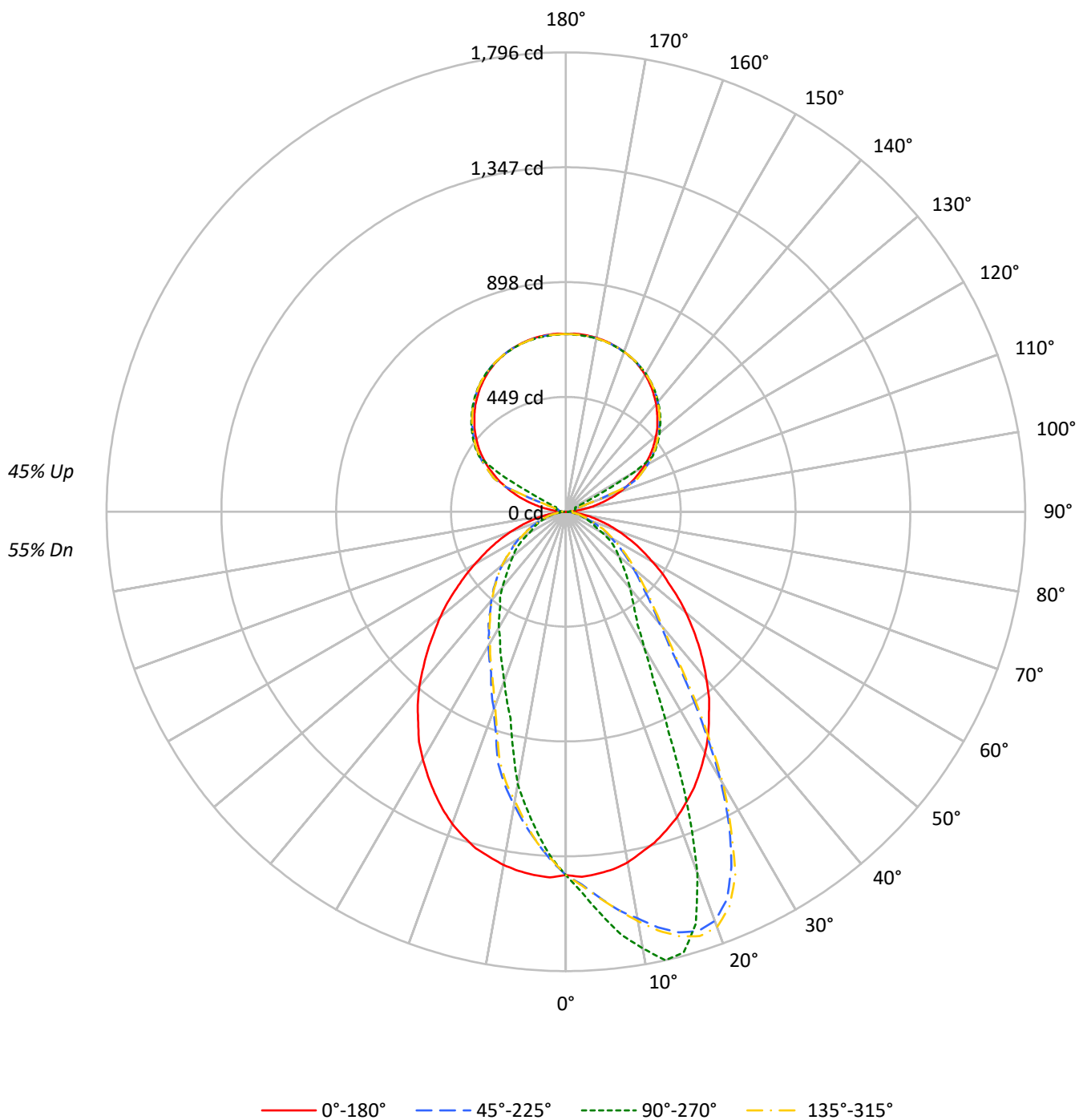
Lumens per Lamp: N/A
Luminaire Lumens: 4492.0 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 51.3
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: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	55		
1	100	96	92	89	92	89	86	83	77	74	72	65	64	62	55	54	53	48		
2	91	85	79	74	85	79	74	70	68	65	61	58	56	53	49	47	46	41		
3	84	75	68	63	78	70	64	59	61	56	53	52	49	46	44	42	40	36		
4	77	67	60	54	72	63	56	51	55	50	46	47	44	41	40	38	35	32		
5	72	60	53	47	66	57	50	45	50	44	40	43	39	36	37	34	31	28		
6	66	55	47	41	62	51	45	40	45	40	36	39	35	32	34	31	28	26		
7	62	50	42	37	57	47	40	35	41	36	32	36	32	29	31	28	26	23		
8	57	46	38	33	53	43	36	32	38	33	29	33	29	26	29	26	23	21		
9	54	42	35	30	50	40	33	29	35	30	26	31	27	24	27	24	21	19		
10	50	39	32	27	47	37	30	26	33	27	24	29	25	22	25	22	20	18		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22478	22478	22478	22478
5°	22530	23875	22609	19073
10°	22282	25236	22441	15751
15°	21799	25244	22168	11832
20°	21217	20866	21680	9762
25°	20512	13039	20956	8305
30°	19613	8348	20146	7150
35°	18517	6415	19117	6118
40°	17296	5393	18035	5351
45°	15991	4591	16660	4492
50°	14654	3900	15338	3886
55°	13174	3390	13883	3345
60°	11859	2584	12487	2553
65°	10629	1944	11262	2206
70°	9272	1553	10000	1797
75°	7837	1191	8559	1361
80°	6227	809	6698	891
85°	4322	419	4746	440

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 20563 cd/sqm

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	3.0
10°-20°	376.0	8.4
20°-30°	483.9	10.8
30°-40°	459.0	10.2
40°-50°	393.4	8.8
50°-60°	299.6	6.7
60°-70°	188.9	4.2
70°-80°	94.3	2.1
80°-90°	25.5	0.6
90°-100°	22.9	0.5
100°-110°	85.4	1.9
110°-120°	226.5	5.0
120°-130°	375.7	8.4
130°-140°	399.0	8.9
140°-150°	370.9	8.3
150°-160°	298.2	6.6
160°-170°	192.1	4.3
170°-180°	66.1	1.5
0°-30°	994.5	22.1
0°-40°	1453.6	32.4
0°-60°	2146.6	47.8
0°-90°	2455.2	54.7
90°-120°	334.8	7.5
90°-150°	1480.4	33.0
90°-180°	2037.0	45.3
0°-180°	4492.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1420	1420	1420	1420	1420	
5°	1421	1580	1426	1262	1421	135
15°	1339	1783	1362	836	1339	377
25°	1188	951	1214	606	1188	546
35°	975	469	1007	447	975	610
45°	732	326	763	319	732	565
55°	494	226	521	223	494	446
65°	299	117	317	133	299	297
75°	140	62	153	71	140	152
85°	31	18	34	19	31	35
90°	0	14	0	14	0	4
95°	33	22	33	22	33	39
105°	153	38	153	38	153	163
115°	289	41	289	41	289	285
125°	409	430	409	430	409	365
135°	506	522	506	522	506	391
145°	587	596	587	596	587	367
155°	646	646	646	646	646	298
165°	681	679	681	679	681	192
175°	696	692	696	692	696	66
180°	695	695	695	695	695	

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1428.9	1434.8	1437.8	1441.7	1450.6	1456.5	1465.4	1467.4	1466.4	1470.4	1459.5
5°	1421.0	1433.9	1445.7	1455.6	1471.4	1481.2	1492.1	1504.9	1507.9	1522.7	1513.8
7.5°	1410.2	1428.9	1445.7	1465.4	1489.1	1501.9	1518.7	1538.5	1547.3	1565.1	1570.0
10°	1392.4	1419.1	1447.7	1468.4	1501.0	1523.7	1539.4	1571.0	1591.7	1618.4	1614.4
12.5°	1363.8	1398.3	1436.8	1471.4	1513.8	1528.6	1558.2	1590.8	1617.4	1642.1	1663.8
15°	1339.1	1378.6	1421.0	1463.5	1511.8	1539.4	1569.0	1611.5	1640.1	1683.5	1702.3
17.5°	1305.6	1355.9	1406.2	1453.6	1510.8	1542.4	1578.9	1620.4	1662.8	1704.2	1719.0
20°	1271.0	1325.3	1379.6	1443.7	1508.9	1539.4	1576.9	1628.3	1669.7	1702.3	1702.3
22.5°	1229.6	1295.7	1357.9	1419.1	1490.1	1534.5	1573.0	1633.2	1662.8	1669.7	1643.1
25°	1188.1	1254.3	1322.3	1398.3	1479.2	1518.7	1562.1	1618.4	1628.3	1600.6	1531.5
27.5°	1138.8	1212.8	1289.8	1371.7	1456.5	1505.9	1545.4	1582.9	1564.1	1490.1	1382.5
30°	1088.5	1168.4	1255.2	1333.2	1435.8	1481.2	1514.8	1525.6	1466.4	1346.0	1206.9
32.5°	1036.2	1114.1	1205.9	1299.6	1403.3	1446.7	1468.4	1439.8	1331.2	1179.3	1009.5
35°	975.0	1062.8	1158.5	1256.2	1358.9	1391.4	1404.2	1334.2	1195.0	998.7	829.9
37.5°	919.7	1007.5	1110.2	1209.8	1309.5	1327.3	1314.4	1204.9	1028.3	833.9	669.1
40°	854.6	948.3	1049.0	1160.5	1242.4	1247.3	1215.8	1073.7	854.6	672.0	570.4
42.5°	794.4	889.1	989.8	1103.3	1165.4	1148.7	1106.2	919.7	713.5	579.3	497.4
45°	732.2	822.0	930.6	1031.2	1075.6	1036.2	972.0	773.7	599.0	498.3	435.2
47.5°	672.0	755.9	863.5	960.2	968.1	923.7	847.7	648.3	519.1	438.1	386.8
50°	612.8	696.7	797.4	877.3	869.4	808.2	722.4	563.5	451.0	386.8	344.4
52.5°	553.6	629.6	727.3	790.4	756.9	697.7	612.8	477.6	393.7	337.5	304.9
55°	494.4	565.4	649.3	701.6	648.3	580.3	520.1	409.5	341.4	296.0	271.4
57.5°	445.1	501.3	578.3	609.9	545.7	492.4	440.1	352.3	296.0	263.5	234.9
60°	390.8	442.1	505.3	524.0	457.9	414.5	370.1	298.0	253.6	225.0	206.2
62.5°	344.4	386.8	435.2	435.2	377.0	344.4	310.8	249.7	213.2	190.5	181.6
65°	299.0	329.6	364.1	360.2	310.8	282.2	255.6	206.2	178.6	162.8	153.9
67.5°	254.6	278.3	301.0	287.2	251.6	227.0	202.3	166.8	148.0	137.2	125.3
70°	214.1	232.9	244.7	231.9	196.4	175.7	157.9	134.2	119.4	105.6	98.7
72.5°	179.6	187.5	191.4	175.7	146.0	134.2	121.4	104.6	91.8	84.9	82.9
75°	140.1	147.0	144.1	132.2	107.6	98.7	88.8	77.0	74.0	70.1	68.1
77.5°	109.5	109.5	104.6	93.7	77.0	70.1	66.1	60.2	57.2	56.2	54.3
80°	78.0	77.0	74.0	62.2	52.3	48.4	48.4	44.4	43.4	41.4	41.4
82.5°	51.3	51.3	47.4	37.5	34.5	33.6	32.6	30.6	30.6	29.6	29.6
85°	30.6	28.6	23.7	20.7	19.7	19.7	18.7	17.8	18.7	17.8	17.8
87.5°	13.8	10.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
90°	0.5	1.7	2.9	4.2	5.4	6.0	6.5	7.4	8.3	9.2	10.1
92.5°	12.6	12.2	11.7	11.3	10.8	10.6	10.8	11.1	11.4	11.8	12.1
95°	32.7	29.0	25.3	21.6	17.9	16.1	16.5	17.3	18.0	18.8	19.6
97.5°	58.8	49.6	40.5	31.3	22.2	17.6	18.5	20.3	22.0	23.8	25.6
100°	89.0	73.7	58.4	43.1	27.8	20.1	21.1	23.0	24.9	26.8	28.7
102.5°	122.2	122.0	121.8	121.5	121.3	121.2	111.0	90.7	70.4	50.0	29.7
105°	152.8	156.2	159.5	162.9	166.2	167.9	152.7	122.2	91.7	61.2	30.7
107.5°	188.5	191.3	194.1	196.9	199.7	201.1	182.3	144.6	107.0	69.3	31.7
110°	222.7	225.1	227.4	229.8	232.1	233.3	217.2	184.9	152.6	120.3	88.0

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	254.9	256.9	258.9	260.9	262.9	263.9	263.0	261.1	259.2	257.3	255.4
115°	289.1	291.0	292.9	294.8	296.7	297.6	299.0	301.8	304.6	307.4	310.2
117.5°	318.7	320.9	323.2	325.4	327.7	328.8	329.7	331.6	333.5	335.4	337.3
120°	351.9	353.6	355.2	356.9	358.6	359.4	360.4	362.4	364.5	366.5	368.5
122.5°	380.1	381.9	383.7	385.4	387.2	388.1	389.2	391.5	393.7	396.0	398.2
125°	408.7	410.1	411.6	413.0	414.5	415.2	416.3	418.4	420.5	422.7	424.8
127.5°	434.9	436.5	438.0	439.6	441.1	441.9	442.7	444.4	446.1	447.7	449.4
130°	459.5	461.3	463.1	464.8	466.6	467.5	468.1	469.4	470.6	471.9	473.1
132.5°	484.6	486.1	487.5	489.0	490.5	491.2	491.8	493.0	494.3	495.5	496.7
135°	505.7	507.5	509.3	511.1	512.9	513.8	514.3	515.3	516.3	517.3	518.3
137.5°	527.9	529.2	530.6	531.9	533.2	533.9	534.5	535.6	536.7	537.8	538.9
140°	549.5	550.4	551.3	552.2	553.1	553.5	554.1	555.3	556.6	557.8	559.0
142.5°	567.6	568.4	569.2	569.9	570.7	571.1	571.8	573.3	574.7	576.2	577.6
145°	586.7	586.6	586.5	586.4	586.3	586.2	587.1	589.0	590.9	592.8	594.7
147.5°	603.3	603.0	602.6	602.3	602.0	601.8	602.7	604.6	606.5	608.4	610.3
150°	619.3	618.5	617.7	617.0	616.2	615.8	616.7	618.5	620.3	622.1	623.9
152.5°	632.9	632.0	631.1	630.2	629.3	628.9	629.7	631.4	633.1	634.7	636.4
155°	646.0	645.0	644.0	643.0	642.0	641.5	642.2	643.5	644.8	646.2	647.5
157.5°	656.5	655.6	654.7	653.8	652.9	652.5	653.0	654.0	655.1	656.1	657.1
160°	665.6	664.9	664.3	663.6	662.9	662.6	662.9	663.6	664.3	664.9	665.6
162.5°	673.6	672.9	672.3	671.6	670.9	670.6	670.9	671.4	672.0	672.5	673.1
165°	680.7	680.0	679.4	678.7	678.0	677.7	677.9	678.2	678.5	678.9	679.2
167.5°	686.2	685.5	684.9	684.2	683.5	683.2	683.4	683.7	684.0	684.4	684.7
170°	690.7	690.0	689.4	688.7	688.0	687.7	687.8	688.0	688.3	688.5	688.7
172.5°	693.7	693.0	692.4	691.7	691.0	690.7	690.8	691.0	691.3	691.5	691.7
175°	696.3	695.5	694.7	693.9	693.1	692.7	692.8	693.0	693.3	693.5	693.7
177.5°	697.3	696.5	695.7	694.9	694.1	693.7	693.8	693.9	694.0	694.2	694.3
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1470.4	1472.3	1475.3	1489.1	1491.1	1495.0	1493.1	1493.1	1494.0	1492.1	1493.1
5°	1533.5	1536.5	1551.3	1568.1	1572.0	1568.1	1573.0	1579.9	1579.9	1579.9	1577.9
7.5°	1592.7	1603.6	1620.4	1645.0	1650.0	1654.9	1663.8	1657.9	1659.8	1668.7	1665.8
10°	1650.0	1665.8	1684.5	1705.2	1716.1	1723.0	1726.9	1735.8	1756.5	1732.9	1741.7
12.5°	1704.2	1726.9	1746.7	1769.4	1777.3	1786.1	1789.1	1797.0	1797.0	1796.0	1802.9
15°	1739.8	1760.5	1778.3	1793.1	1795.0	1793.1	1791.1	1792.1	1795.0	1783.2	1790.1
17.5°	1747.7	1749.6	1755.6	1749.6	1750.6	1729.9	1718.1	1715.1	1687.5	1688.5	1711.1
20°	1709.2	1675.6	1666.7	1634.2	1614.4	1561.2	1559.2	1544.4	1486.2	1503.9	1500.0
22.5°	1603.6	1546.4	1470.4	1432.9	1414.1	1357.9	1314.4	1283.9	1263.1	1242.4	1233.5
25°	1464.4	1371.7	1264.1	1190.1	1179.3	1127.0	1047.0	1009.5	965.1	951.3	975.0
27.5°	1284.8	1164.4	1043.1	929.6	908.9	861.5	821.0	794.4	743.1	740.1	742.1
30°	1041.1	919.7	818.1	744.1	692.7	671.0	644.4	624.7	603.9	611.8	613.8
32.5°	855.6	740.1	645.4	605.9	582.2	568.4	545.7	532.9	524.0	521.0	520.1
35°	679.9	602.9	560.5	522.0	508.2	498.3	481.6	475.6	467.8	468.7	468.7
37.5°	582.2	518.1	486.5	466.8	453.9	449.0	438.1	432.2	427.3	425.3	428.3
40°	502.3	457.9	438.1	420.4	409.5	407.6	401.6	394.7	388.8	389.8	392.8
42.5°	444.1	418.4	394.7	380.9	373.0	370.1	365.1	360.2	360.2	357.2	356.2
45°	397.7	377.0	357.2	344.4	339.5	335.5	329.6	328.6	324.7	325.7	326.6
47.5°	356.2	339.5	324.7	311.8	306.9	305.9	300.0	296.0	296.0	295.1	294.1
50°	318.7	302.0	289.1	282.2	275.3	273.3	272.4	271.4	269.4	269.4	270.4
52.5°	288.2	271.4	261.5	255.6	251.6	249.7	249.7	248.7	248.7	248.7	247.7
55°	254.6	240.8	232.9	230.9	228.9	228.0	227.0	225.0	224.0	226.0	224.0
57.5°	223.0	218.1	211.2	209.2	204.3	204.3	201.3	199.3	197.4	199.3	199.3
60°	198.4	191.4	187.5	181.6	177.6	173.7	168.7	167.8	165.8	164.8	163.8
62.5°	172.7	166.8	156.9	148.0	142.1	138.2	136.2	135.2	135.2	134.2	134.2
65°	144.1	130.3	125.3	122.4	121.4	120.4	118.4	117.4	118.4	117.4	118.4
67.5°	112.5	110.5	107.6	105.6	104.6	103.6	103.6	102.6	102.6	102.6	102.6
70°	97.7	92.8	91.8	89.8	89.8	88.8	88.8	88.8	88.8	87.8	89.8
72.5°	80.9	78.0	77.0	76.0	76.0	76.0	75.0	75.0	75.0	74.0	75.0
75°	66.1	65.1	63.2	63.2	62.2	63.2	62.2	62.2	61.2	62.2	62.2
77.5°	53.3	52.3	51.3	51.3	50.3	50.3	50.3	50.3	50.3	50.3	51.3
80°	40.5	39.5	38.5	39.5	38.5	39.5	38.5	38.5	39.5	38.5	38.5
82.5°	29.6	28.6	28.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
85°	17.8	16.8	16.8	17.8	16.8	17.8	16.8	16.8	16.8	17.8	17.8
87.5°	7.9	8.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.9
90°	10.7	11.2	11.8	12.3	12.6	12.7	12.9	13.2	13.4	13.6	13.4
92.5°	12.3	12.5	12.8	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.5
95°	20.2	20.7	21.3	21.8	22.1	22.0	21.9	21.8	21.7	21.6	21.7
97.5°	25.9	26.3	26.6	26.9	27.1	27.2	27.3	27.4	27.5	27.6	27.5
100°	29.6	30.5	31.4	32.3	32.7	32.8	33.0	33.3	33.5	33.7	33.5
102.5°	30.9	32.1	33.4	34.6	35.2	35.4	35.7	36.0	36.4	36.7	36.4
105°	31.9	33.1	34.4	35.6	36.2	36.4	36.9	37.3	37.8	38.2	37.8
107.5°	32.9	34.1	35.4	36.6	37.2	37.4	37.9	38.3	38.8	39.2	38.8
110°	76.8	65.6	54.5	43.3	37.7	37.9	38.4	38.8	39.3	39.7	39.3

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	207.2	159.1	110.9	62.8	38.7	38.9	39.2	39.5	39.9	40.2	39.9
115°	258.5	206.7	155.0	103.3	77.4	73.4	65.3	57.3	49.2	41.2	49.2
117.5°	321.3	305.3	289.4	273.4	265.4	250.8	221.5	192.2	163.0	133.7	163.0
120°	369.8	371.2	372.5	373.8	374.5	367.0	351.9	336.8	321.8	306.7	321.8
122.5°	398.9	399.5	400.2	400.9	401.2	401.3	401.4	401.5	401.6	401.7	401.6
125°	425.6	426.4	427.1	427.9	428.3	428.5	428.8	429.1	429.5	429.8	429.5
127.5°	450.5	451.7	452.8	453.9	454.5	454.6	454.7	454.8	454.9	455.0	454.9
130°	474.3	475.5	476.8	478.0	478.6	478.5	478.4	478.3	478.2	478.1	478.2
132.5°	497.7	498.7	499.7	500.7	501.2	501.1	501.0	500.9	500.8	500.7	500.8
135°	519.4	520.5	521.6	522.7	523.3	523.2	523.0	522.7	522.5	522.3	522.5
137.5°	540.0	541.1	542.2	543.3	543.9	543.7	543.4	543.1	542.7	542.4	542.7
140°	560.0	561.0	562.0	563.0	563.5	563.2	562.7	562.1	561.6	561.0	561.6
142.5°	578.5	579.4	580.3	581.2	581.6	581.3	580.8	580.2	579.7	579.1	579.7
145°	595.5	596.3	597.0	597.8	598.2	597.9	597.4	596.8	596.3	595.7	596.3
147.5°	610.9	611.4	612.0	612.5	612.8	612.6	612.1	611.7	611.2	610.8	611.2
150°	624.6	625.2	625.9	626.6	626.9	626.6	626.1	625.5	625.0	624.4	625.0
152.5°	637.1	637.8	638.5	639.2	639.5	639.1	638.3	637.5	636.7	635.9	636.7
155°	648.2	648.8	649.5	650.2	650.5	650.1	649.2	648.3	647.4	646.5	647.4
157.5°	657.9	658.7	659.4	660.2	660.6	660.1	659.2	658.3	657.4	656.5	657.4
160°	666.3	666.9	667.6	668.3	668.6	668.2	667.4	666.7	665.9	665.1	665.9
162.5°	673.9	674.7	675.5	676.3	676.7	676.2	675.2	674.1	673.1	672.1	673.1
165°	680.0	680.8	681.5	682.3	682.7	682.3	681.5	680.8	680.0	679.2	680.0
167.5°	685.5	686.3	687.0	687.8	688.2	687.7	686.7	685.7	684.7	683.7	684.7
170°	689.5	690.3	691.0	691.8	692.2	691.7	690.7	689.7	688.7	687.7	688.7
172.5°	692.5	693.3	694.1	694.9	695.3	694.8	693.8	692.7	691.7	690.7	691.7
175°	694.5	695.3	696.1	696.9	697.3	696.7	695.6	694.5	693.3	692.2	693.3
177.5°	695.1	695.9	696.6	697.4	697.8	697.3	696.3	695.2	694.2	693.2	694.2
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1497.0	1490.1	1488.1	1490.1	1488.1	1489.1	1482.2	1456.5	1463.5	1452.6	1458.5
5°	1581.9	1576.0	1563.1	1561.2	1559.2	1557.2	1547.3	1524.6	1515.8	1501.0	1500.0
7.5°	1662.8	1662.8	1652.9	1646.0	1637.1	1630.2	1617.4	1583.8	1570.0	1552.3	1542.4
10°	1742.7	1717.1	1727.9	1721.0	1699.3	1695.4	1671.7	1651.9	1625.3	1607.5	1591.7
12.5°	1800.0	1792.1	1782.2	1776.3	1770.4	1757.5	1741.7	1691.4	1677.6	1642.1	1624.3
15°	1798.0	1793.1	1796.0	1796.0	1794.0	1791.1	1778.3	1741.7	1718.1	1683.5	1652.9
17.5°	1701.3	1714.1	1726.9	1735.8	1755.6	1764.4	1776.3	1754.6	1739.8	1710.2	1677.6
20°	1532.5	1564.1	1601.6	1609.5	1627.3	1679.6	1703.3	1722.0	1727.9	1718.1	1691.4
22.5°	1297.7	1324.3	1415.1	1413.1	1438.8	1501.0	1570.0	1626.3	1670.7	1695.4	1685.5
25°	1016.4	1053.9	1102.3	1138.8	1222.7	1315.4	1401.3	1491.1	1568.1	1636.2	1652.9
27.5°	768.7	818.1	856.6	904.9	947.3	1056.9	1167.4	1307.5	1397.3	1526.6	1593.7
30°	621.7	644.4	682.9	705.6	726.3	810.2	935.5	1073.7	1231.6	1380.6	1496.0
32.5°	530.9	546.7	575.3	585.2	606.9	663.1	742.1	868.4	1031.2	1211.8	1363.8
35°	476.6	493.4	499.3	508.2	526.0	561.5	615.8	707.6	854.6	1031.2	1212.8
37.5°	430.3	439.1	455.9	461.8	467.8	494.4	530.9	595.1	692.7	837.8	1039.1
40°	397.7	402.6	411.5	416.4	420.4	439.1	471.7	515.1	587.2	697.7	883.2
42.5°	363.2	369.1	375.0	380.9	385.8	400.6	420.4	461.8	510.2	594.1	728.3
45°	329.6	333.5	340.5	344.4	351.3	363.2	380.9	409.5	453.0	506.2	614.8
47.5°	299.0	303.9	306.9	311.8	316.8	329.6	346.4	365.1	400.6	453.0	531.9
50°	271.4	277.3	281.2	282.2	286.2	298.0	311.8	332.6	355.3	395.7	464.8
52.5°	251.6	252.6	255.6	259.5	258.5	265.5	278.3	294.1	317.8	350.3	400.6
55°	228.9	231.9	233.9	234.9	234.9	240.8	247.7	262.5	281.2	307.9	350.3
57.5°	200.3	203.3	209.2	211.2	214.1	217.1	220.1	229.9	245.7	271.4	305.9
60°	170.7	172.7	178.6	182.6	184.5	192.4	196.4	204.3	213.2	231.9	264.5
62.5°	137.2	139.1	142.1	146.0	150.0	161.8	171.7	179.6	186.5	199.3	226.0
65°	119.4	120.4	122.4	123.4	124.3	129.3	138.2	149.0	161.8	171.7	187.5
67.5°	103.6	104.6	105.6	107.6	108.6	109.5	113.5	116.4	129.3	143.1	154.9
70°	88.8	90.8	91.8	91.8	92.8	94.7	96.7	100.7	104.6	111.5	126.3
72.5°	75.0	76.0	78.0	78.0	78.0	79.9	81.9	83.9	85.9	89.8	95.7
75°	62.2	64.1	64.1	64.1	65.1	65.1	67.1	69.1	71.1	74.0	76.0
77.5°	51.3	51.3	51.3	51.3	52.3	52.3	53.3	55.3	56.2	57.2	59.2
80°	38.5	39.5	39.5	39.5	40.5	40.5	40.5	42.4	43.4	43.4	45.4
82.5°	28.6	28.6	28.6	29.6	28.6	29.6	29.6	30.6	29.6	30.6	31.6
85°	17.8	17.8	17.8	18.7	18.7	18.7	18.7	18.7	18.7	18.7	19.7
87.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.9	8.9	8.9
90°	13.2	12.9	12.7	12.6	12.3	11.8	11.2	10.7	10.1	9.2	8.3
92.5°	13.4	13.3	13.2	13.1	13.0	12.8	12.5	12.3	12.1	11.8	11.4
95°	21.8	21.9	22.0	22.1	21.8	21.3	20.7	20.2	19.6	18.8	18.0
97.5°	27.4	27.3	27.2	27.1	26.9	26.6	26.3	25.9	25.6	23.8	22.0
100°	33.3	33.0	32.8	32.7	32.3	31.4	30.5	29.6	28.7	26.8	24.9
102.5°	36.0	35.7	35.4	35.2	34.6	33.4	32.1	30.9	29.7	50.0	70.4
105°	37.3	36.9	36.4	36.2	35.6	34.4	33.1	31.9	30.7	61.2	91.7
107.5°	38.3	37.9	37.4	37.2	36.6	35.4	34.1	32.9	31.7	69.3	107.0
110°	38.8	38.4	37.9	37.7	43.3	54.5	65.6	76.8	88.0	120.3	152.6

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	39.5	39.2	38.9	38.7	62.8	110.9	159.1	207.2	255.4	257.3	259.2
115°	57.3	65.3	73.4	77.4	103.3	155.0	206.7	258.5	310.2	307.4	304.6
117.5°	192.2	221.5	250.8	265.4	273.4	289.4	305.3	321.3	337.3	335.4	333.5
120°	336.8	351.9	367.0	374.5	373.8	372.5	371.2	369.8	368.5	366.5	364.5
122.5°	401.5	401.4	401.3	401.2	400.9	400.2	399.5	398.9	398.2	396.0	393.7
125°	429.1	428.8	428.5	428.3	427.9	427.1	426.4	425.6	424.8	422.7	420.5
127.5°	454.8	454.7	454.6	454.5	453.9	452.8	451.7	450.5	449.4	447.7	446.1
130°	478.3	478.4	478.5	478.6	478.0	476.8	475.5	474.3	473.1	471.9	470.6
132.5°	500.9	501.0	501.1	501.2	500.7	499.7	498.7	497.7	496.7	495.5	494.3
135°	522.7	523.0	523.2	523.3	522.7	521.6	520.5	519.4	518.3	517.3	516.3
137.5°	543.1	543.4	543.7	543.9	543.3	542.2	541.1	540.0	538.9	537.8	536.7
140°	562.1	562.7	563.2	563.5	563.0	562.0	561.0	560.0	559.0	557.8	556.6
142.5°	580.2	580.8	581.3	581.6	581.2	580.3	579.4	578.5	577.6	576.2	574.7
145°	596.8	597.4	597.9	598.2	597.8	597.0	596.3	595.5	594.7	592.8	590.9
147.5°	611.7	612.1	612.6	612.8	612.5	612.0	611.4	610.9	610.3	608.4	606.5
150°	625.5	626.1	626.6	626.9	626.6	625.9	625.2	624.6	623.9	622.1	620.3
152.5°	637.5	638.3	639.1	639.5	639.2	638.5	637.8	637.1	636.4	634.7	633.1
155°	648.3	649.2	650.1	650.5	650.2	649.5	648.8	648.2	647.5	646.2	644.8
157.5°	658.3	659.2	660.1	660.6	660.2	659.4	658.7	657.9	657.1	656.1	655.1
160°	666.7	667.4	668.2	668.6	668.3	667.6	666.9	666.3	665.6	664.9	664.3
162.5°	674.1	675.2	676.2	676.7	676.3	675.5	674.7	673.9	673.1	672.5	672.0
165°	680.8	681.5	682.3	682.7	682.3	681.5	680.8	680.0	679.2	678.9	678.5
167.5°	685.7	686.7	687.7	688.2	687.8	687.0	686.3	685.5	684.7	684.4	684.0
170°	689.7	690.7	691.7	692.2	691.8	691.0	690.3	689.5	688.7	688.5	688.3
172.5°	692.7	693.8	694.8	695.3	694.9	694.1	693.3	692.5	691.7	691.5	691.3
175°	694.5	695.6	696.7	697.3	696.9	696.1	695.3	694.5	693.7	693.5	693.3
177.5°	695.2	696.3	697.3	697.8	697.4	696.6	695.9	695.1	694.3	694.2	694.0
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1449.6	1444.7	1444.7	1441.7	1441.7	1426.0	1426.0	1430.9	1425.0	1418.1	1408.2
5°	1487.1	1476.3	1473.3	1469.4	1456.5	1436.8	1428.9	1426.0	1414.1	1399.3	1382.5
7.5°	1522.7	1504.9	1496.0	1487.1	1470.4	1442.7	1426.9	1416.1	1398.3	1375.6	1353.9
10°	1557.2	1534.5	1511.8	1501.0	1477.3	1442.7	1420.0	1402.3	1376.6	1346.0	1315.4
12.5°	1588.8	1541.4	1537.5	1515.8	1481.2	1441.7	1407.2	1381.6	1349.0	1313.5	1277.9
15°	1616.4	1568.1	1544.4	1524.6	1479.2	1429.9	1393.4	1361.8	1318.4	1277.9	1234.5
17.5°	1630.2	1577.9	1562.1	1529.6	1483.2	1419.1	1369.7	1331.2	1283.9	1235.5	1186.2
20°	1644.0	1582.9	1557.2	1534.5	1471.4	1398.3	1343.1	1298.7	1246.4	1189.1	1134.8
22.5°	1651.0	1582.9	1552.3	1520.7	1459.5	1375.6	1310.5	1258.2	1197.0	1138.8	1073.7
25°	1639.1	1576.9	1540.4	1507.9	1438.8	1348.0	1273.0	1213.8	1148.7	1082.5	1016.4
27.5°	1609.5	1563.1	1520.7	1487.1	1410.2	1312.5	1233.5	1166.4	1099.3	1025.3	958.2
30°	1554.2	1533.5	1500.0	1462.5	1378.6	1280.9	1187.1	1118.1	1044.1	970.0	900.0
32.5°	1468.4	1486.2	1464.4	1431.9	1341.1	1237.5	1137.8	1067.7	986.8	906.9	842.7
35°	1363.8	1426.9	1415.1	1392.4	1301.6	1191.1	1091.4	1006.6	925.6	844.7	780.6
37.5°	1249.3	1345.0	1354.9	1341.1	1256.2	1143.7	1034.2	951.3	868.4	786.5	721.4
40°	1092.4	1239.4	1271.0	1276.9	1208.9	1086.5	972.0	891.1	809.2	729.3	650.3
42.5°	948.3	1133.9	1173.3	1198.0	1148.7	1030.2	914.8	825.0	744.1	672.0	593.1
45°	813.1	1006.6	1070.7	1102.3	1080.6	966.1	846.7	762.8	688.8	622.7	546.7
47.5°	674.0	868.4	958.2	1008.5	1008.5	901.0	781.6	698.7	627.6	571.4	504.3
50°	581.2	743.1	835.8	902.0	919.7	834.9	722.4	641.4	574.3	513.1	461.8
52.5°	495.4	640.4	717.4	786.5	837.8	763.8	656.2	583.2	517.1	459.9	419.4
55°	428.3	536.8	606.9	682.9	740.1	691.8	592.1	521.0	463.8	416.4	381.9
57.5°	364.1	458.9	516.1	583.2	644.4	607.9	527.9	466.8	416.4	375.0	344.4
60°	309.9	386.8	431.2	483.5	559.5	533.9	467.8	411.5	371.0	333.5	307.9
62.5°	263.5	324.7	362.2	399.7	468.7	456.9	405.6	362.2	327.6	296.0	274.3
65°	216.1	266.4	296.0	328.6	383.9	388.8	347.4	316.8	285.2	257.6	237.8
67.5°	174.7	214.1	240.8	268.4	312.8	326.6	298.0	272.4	245.7	223.0	205.3
70°	141.1	168.7	188.5	210.2	246.7	263.5	248.7	230.9	209.2	190.5	174.7
72.5°	111.5	129.3	141.1	157.9	187.5	204.3	203.3	187.5	171.7	158.9	146.0
75°	81.9	95.7	105.6	116.4	140.1	155.9	159.9	153.0	137.2	127.3	117.4
77.5°	62.2	70.1	75.0	82.9	99.7	113.5	119.4	117.4	106.6	98.7	91.8
80°	47.4	49.3	51.3	54.3	68.1	80.9	84.9	83.9	78.0	75.0	67.1
82.5°	33.6	34.5	35.5	36.5	41.4	52.3	56.2	58.2	53.3	50.3	43.4
85°	19.7	20.7	20.7	22.7	23.7	26.6	33.6	33.6	32.6	28.6	27.6
87.5°	9.9	9.9	8.9	8.9	9.9	10.9	12.8	14.8	12.8	11.8	10.9
90°	7.4	6.5	6.0	5.4	4.2	2.9	1.7	0.5	1.7	2.9	4.2
92.5°	11.1	10.8	10.6	10.8	11.3	11.7	12.2	12.6	12.2	11.7	11.3
95°	17.3	16.5	16.1	17.9	21.6	25.3	29.0	32.7	29.0	25.3	21.6
97.5°	20.3	18.5	17.6	22.2	31.3	40.5	49.6	58.8	49.6	40.5	31.3
100°	23.0	21.1	20.1	27.8	43.1	58.4	73.7	89.0	73.7	58.4	43.1
102.5°	90.7	111.0	121.2	121.3	121.5	121.8	122.0	122.2	122.0	121.8	121.5
105°	122.2	152.7	167.9	166.2	162.9	159.5	156.2	152.8	156.2	159.5	162.9
107.5°	144.6	182.3	201.1	199.7	196.9	194.1	191.3	188.5	191.3	194.1	196.9
110°	184.9	217.2	233.3	232.1	229.8	227.4	225.1	222.7	225.1	227.4	229.8

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	261.1	263.0	263.9	262.9	260.9	258.9	256.9	254.9	256.9	258.9	260.9
115°	301.8	299.0	297.6	296.7	294.8	292.9	291.0	289.1	291.0	292.9	294.8
117.5°	331.6	329.7	328.8	327.7	325.4	323.2	320.9	318.7	320.9	323.2	325.4
120°	362.4	360.4	359.4	358.6	356.9	355.2	353.6	351.9	353.6	355.2	356.9
122.5°	391.5	389.2	388.1	387.2	385.4	383.7	381.9	380.1	381.9	383.7	385.4
125°	418.4	416.3	415.2	414.5	413.0	411.6	410.1	408.7	410.1	411.6	413.0
127.5°	444.4	442.7	441.9	441.1	439.6	438.0	436.5	434.9	436.5	438.0	439.6
130°	469.4	468.1	467.5	466.6	464.8	463.1	461.3	459.5	461.3	463.1	464.8
132.5°	493.0	491.8	491.2	490.5	489.0	487.5	486.1	484.6	486.1	487.5	489.0
135°	515.3	514.3	513.8	512.9	511.1	509.3	507.5	505.7	507.5	509.3	511.1
137.5°	535.6	534.5	533.9	533.2	531.9	530.6	529.2	527.9	529.2	530.6	531.9
140°	555.3	554.1	553.5	553.1	552.2	551.3	550.4	549.5	550.4	551.3	552.2
142.5°	573.3	571.8	571.1	570.7	569.9	569.2	568.4	567.6	568.4	569.2	569.9
145°	589.0	587.1	586.2	586.3	586.4	586.5	586.6	586.7	586.6	586.5	586.4
147.5°	604.6	602.7	601.8	602.0	602.3	602.6	603.0	603.3	603.0	602.6	602.3
150°	618.5	616.7	615.8	616.2	617.0	617.7	618.5	619.3	618.5	617.7	617.0
152.5°	631.4	629.7	628.9	629.3	630.2	631.1	632.0	632.9	632.0	631.1	630.2
155°	643.5	642.2	641.5	642.0	643.0	644.0	645.0	646.0	645.0	644.0	643.0
157.5°	654.0	653.0	652.5	652.9	653.8	654.7	655.6	656.5	655.6	654.7	653.8
160°	663.6	662.9	662.6	662.9	663.6	664.3	664.9	665.6	664.9	664.3	663.6
162.5°	671.4	670.9	670.6	670.9	671.6	672.3	672.9	673.6	672.9	672.3	671.6
165°	678.2	677.9	677.7	678.0	678.7	679.4	680.0	680.7	680.0	679.4	678.7
167.5°	683.7	683.4	683.2	683.5	684.2	684.9	685.5	686.2	685.5	684.9	684.2
170°	688.0	687.8	687.7	688.0	688.7	689.4	690.0	690.7	690.0	689.4	688.7
172.5°	691.0	690.8	690.7	691.0	691.7	692.4	693.0	693.7	693.0	692.4	691.7
175°	693.0	692.8	692.7	693.1	693.9	694.7	695.5	696.3	695.5	694.7	693.9
177.5°	693.9	693.8	693.7	694.1	694.9	695.7	696.5	697.3	696.5	695.7	694.9
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1404.2	1405.2	1408.2	1399.3	1385.5	1379.6	1361.8	1358.9	1355.9	1355.9	1358.9
5°	1372.7	1368.7	1369.7	1352.9	1333.2	1321.4	1296.7	1300.6	1287.8	1279.9	1281.9
7.5°	1338.1	1327.3	1326.3	1304.6	1279.9	1258.2	1232.5	1226.6	1214.8	1201.0	1195.0
10°	1294.7	1286.8	1272.0	1247.3	1215.8	1198.0	1163.5	1142.7	1139.8	1119.1	1111.2
12.5°	1250.3	1236.5	1221.7	1187.1	1151.6	1123.0	1097.3	1074.6	1058.9	1041.1	1029.3
15°	1199.0	1182.2	1165.4	1128.9	1087.5	1058.9	1020.4	986.8	940.4	903.9	883.2
17.5°	1142.7	1124.0	1101.3	1060.8	1020.4	980.9	909.8	870.4	837.8	816.1	803.3
20°	1084.5	1063.8	1041.1	1000.6	930.6	861.5	822.0	791.4	771.7	750.0	734.2
22.5°	1023.3	1001.6	977.0	913.8	839.8	791.4	760.8	732.2	703.6	691.8	683.9
25°	966.1	946.4	914.8	828.9	770.7	726.3	691.8	673.0	658.2	642.4	627.6
27.5°	906.9	870.4	826.0	753.9	717.4	672.0	647.4	633.5	607.9	597.0	590.1
30°	835.8	795.4	752.9	701.6	659.2	627.6	604.9	582.2	567.4	556.6	544.7
32.5°	763.8	725.3	698.7	645.4	613.8	581.2	559.5	545.7	524.0	517.1	512.2
35°	701.6	669.1	645.4	602.0	572.4	542.8	527.0	506.2	492.4	479.6	471.7
37.5°	640.4	622.7	598.0	561.5	529.9	506.2	484.5	477.6	458.9	452.0	444.1
40°	598.0	571.4	550.6	519.1	492.4	466.8	453.0	437.2	424.3	413.5	410.5
42.5°	546.7	527.0	515.1	480.6	453.0	438.1	421.4	403.6	393.7	384.9	374.0
45°	508.2	490.5	473.7	446.0	421.4	402.6	387.8	376.0	359.2	355.3	338.5
47.5°	467.8	450.0	437.2	409.5	386.8	369.1	358.2	342.4	328.6	319.7	311.8
50°	427.3	412.5	400.6	377.0	357.2	338.5	323.7	307.9	302.0	287.2	282.2
52.5°	388.8	378.9	366.1	343.4	323.7	307.9	292.1	279.3	270.4	262.5	256.6
55°	356.2	340.5	334.5	309.9	293.1	276.3	262.5	254.6	243.7	238.8	233.9
57.5°	319.7	310.8	301.0	282.2	263.5	247.7	237.8	226.0	220.1	214.1	210.2
60°	288.2	275.3	267.4	251.6	234.9	220.1	211.2	202.3	194.4	189.5	181.6
62.5°	251.6	241.8	236.8	220.1	206.2	192.4	184.5	175.7	169.7	160.9	151.0
65°	220.1	212.2	206.2	192.4	179.6	166.8	158.9	148.0	140.1	135.2	134.2
67.5°	192.4	186.5	177.6	164.8	152.0	142.1	133.2	124.3	123.4	121.4	121.4
70°	161.8	155.9	151.0	137.2	126.3	115.5	113.5	110.5	107.6	106.6	104.6
72.5°	135.2	130.3	124.3	112.5	101.6	98.7	96.7	94.7	91.8	90.8	89.8
75°	109.5	102.6	98.7	87.8	84.9	82.9	80.9	78.0	76.0	75.0	73.0
77.5°	83.9	77.0	77.0	71.1	69.1	66.1	64.1	62.2	61.2	59.2	59.2
80°	59.2	59.2	57.2	54.3	51.3	50.3	47.4	46.4	45.4	46.4	44.4
82.5°	43.4	39.5	39.5	37.5	35.5	34.5	32.6	32.6	31.6	31.6	31.6
85°	24.7	24.7	23.7	21.7	20.7	20.7	19.7	19.7	18.7	18.7	17.8
87.5°	9.9	8.9	9.9	8.9	8.9	7.9	7.9	7.9	6.9	7.9	6.9
90°	5.4	6.0	6.5	7.4	8.3	9.2	10.1	10.7	11.2	11.8	12.3
92.5°	10.8	10.6	10.8	11.1	11.4	11.8	12.1	12.3	12.5	12.8	13.0
95°	17.9	16.1	16.5	17.3	18.0	18.8	19.6	20.2	20.7	21.3	21.8
97.5°	22.2	17.6	18.5	20.3	22.0	23.8	25.6	25.9	26.3	26.6	26.9
100°	27.8	20.1	21.1	23.0	24.9	26.8	28.7	29.6	30.5	31.4	32.3
102.5°	121.3	121.2	111.0	90.7	70.4	50.0	29.7	30.9	32.1	33.4	34.6
105°	166.2	167.9	152.7	122.2	91.7	61.2	30.7	31.9	33.1	34.4	35.6
107.5°	199.7	201.1	182.3	144.6	107.0	69.3	31.7	32.9	34.1	35.4	36.6
110°	232.1	233.3	217.2	184.9	152.6	120.3	88.0	76.8	65.6	54.5	43.3

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	262.9	263.9	263.0	261.1	259.2	257.3	255.4	207.2	159.1	110.9	62.8
115°	296.7	297.6	299.0	301.8	304.6	307.4	310.2	258.5	206.7	155.0	103.3
117.5°	327.7	328.8	329.7	331.6	333.5	335.4	337.3	321.3	305.3	289.4	273.4
120°	358.6	359.4	360.4	362.4	364.5	366.5	368.5	369.8	371.2	372.5	373.8
122.5°	387.2	388.1	389.2	391.5	393.7	396.0	398.2	398.9	399.5	400.2	400.9
125°	414.5	415.2	416.3	418.4	420.5	422.7	424.8	425.6	426.4	427.1	427.9
127.5°	441.1	441.9	442.7	444.4	446.1	447.7	449.4	450.5	451.7	452.8	453.9
130°	466.6	467.5	468.1	469.4	470.6	471.9	473.1	474.3	475.5	476.8	478.0
132.5°	490.5	491.2	491.8	493.0	494.3	495.5	496.7	497.7	498.7	499.7	500.7
135°	512.9	513.8	514.3	515.3	516.3	517.3	518.3	519.4	520.5	521.6	522.7
137.5°	533.2	533.9	534.5	535.6	536.7	537.8	538.9	540.0	541.1	542.2	543.3
140°	553.1	553.5	554.1	555.3	556.6	557.8	559.0	560.0	561.0	562.0	563.0
142.5°	570.7	571.1	571.8	573.3	574.7	576.2	577.6	578.5	579.4	580.3	581.2
145°	586.3	586.2	587.1	589.0	590.9	592.8	594.7	595.5	596.3	597.0	597.8
147.5°	602.0	601.8	602.7	604.6	606.5	608.4	610.3	610.9	611.4	612.0	612.5
150°	616.2	615.8	616.7	618.5	620.3	622.1	623.9	624.6	625.2	625.9	626.6
152.5°	629.3	628.9	629.7	631.4	633.1	634.7	636.4	637.1	637.8	638.5	639.2
155°	642.0	641.5	642.2	643.5	644.8	646.2	647.5	648.2	648.8	649.5	650.2
157.5°	652.9	652.5	653.0	654.0	655.1	656.1	657.1	657.9	658.7	659.4	660.2
160°	662.9	662.6	662.9	663.6	664.3	664.9	665.6	666.3	666.9	667.6	668.3
162.5°	670.9	670.6	670.9	671.4	672.0	672.5	673.1	673.9	674.7	675.5	676.3
165°	678.0	677.7	677.9	678.2	678.5	678.9	679.2	680.0	680.8	681.5	682.3
167.5°	683.5	683.2	683.4	683.7	684.0	684.4	684.7	685.5	686.3	687.0	687.8
170°	688.0	687.7	687.8	688.0	688.3	688.5	688.7	689.5	690.3	691.0	691.8
172.5°	691.0	690.7	690.8	691.0	691.3	691.5	691.7	692.5	693.3	694.1	694.9
175°	693.1	692.7	692.8	693.0	693.3	693.5	693.7	694.5	695.3	696.1	696.9
177.5°	694.1	693.7	693.8	693.9	694.0	694.2	694.3	695.1	695.9	696.6	697.4
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1358.9	1356.9	1351.0	1352.9	1350.0	1350.0	1348.0	1348.0	1348.0	1352.9	1350.0
5°	1284.8	1277.9	1271.0	1268.1	1265.1	1262.1	1262.1	1261.2	1270.0	1268.1	1276.0
7.5°	1193.1	1191.1	1177.3	1177.3	1172.3	1170.4	1175.3	1176.3	1177.3	1179.3	1184.2
10°	1111.2	1106.2	1086.5	1088.5	1085.5	1081.6	1084.5	1082.5	1089.5	1091.4	1089.5
12.5°	1014.5	1005.6	983.9	973.0	961.2	952.3	963.1	955.2	982.9	990.8	1012.5
15°	886.2	869.4	854.6	854.6	843.7	835.8	840.8	849.7	855.6	864.5	868.4
17.5°	800.3	793.4	781.6	774.7	771.7	768.7	768.7	772.7	785.5	784.5	792.4
20°	727.3	723.3	717.4	708.5	705.6	703.6	703.6	703.6	712.5	720.4	725.3
22.5°	677.0	674.0	670.1	658.2	652.3	650.3	655.2	658.2	665.1	671.0	676.0
25°	626.6	619.7	612.8	608.9	605.9	605.9	607.9	608.9	611.8	614.8	620.7
27.5°	585.2	580.3	570.4	559.5	559.5	556.6	558.5	560.5	567.4	577.3	582.2
30°	538.8	537.8	533.9	529.9	526.0	524.0	527.9	530.9	531.9	536.8	536.8
32.5°	505.3	498.3	491.4	487.5	485.5	484.5	485.5	489.5	489.5	495.4	502.3
35°	471.7	467.8	460.8	453.9	452.0	447.0	451.0	454.9	461.8	464.8	467.8
37.5°	435.2	430.3	427.3	425.3	421.4	422.4	419.4	425.3	431.2	430.3	432.2
40°	407.6	398.7	389.8	388.8	387.8	386.8	386.8	387.8	391.8	395.7	401.6
42.5°	372.0	369.1	361.2	353.3	351.3	349.3	347.4	351.3	359.2	366.1	369.1
45°	335.5	331.6	329.6	323.7	319.7	318.7	316.8	321.7	328.6	331.6	333.5
47.5°	302.0	301.0	295.1	296.0	293.1	294.1	293.1	296.0	296.0	299.0	301.0
50°	279.3	276.3	273.3	271.4	268.4	268.4	267.4	268.4	272.4	276.3	275.3
52.5°	256.6	251.6	250.7	249.7	247.7	249.7	246.7	247.7	251.6	253.6	252.6
55°	229.9	228.9	227.0	225.0	224.0	223.0	223.0	223.0	227.0	229.9	230.9
57.5°	209.2	204.3	200.3	200.3	196.4	195.4	197.4	198.4	201.3	203.3	205.3
60°	180.6	178.6	172.7	169.7	163.8	162.8	162.8	166.8	171.7	178.6	180.6
62.5°	150.0	147.0	146.0	146.0	146.0	146.0	146.0	146.0	146.0	147.0	147.0
65°	133.2	134.2	133.2	132.2	133.2	133.2	132.2	132.2	132.2	133.2	134.2
67.5°	119.4	118.4	119.4	118.4	117.4	117.4	116.4	117.4	118.4	119.4	119.4
70°	103.6	103.6	102.6	103.6	102.6	101.6	100.7	100.7	102.6	103.6	103.6
72.5°	88.8	88.8	87.8	87.8	85.9	85.9	86.8	85.9	85.9	88.8	88.8
75°	74.0	73.0	72.0	72.0	71.1	71.1	71.1	70.1	72.0	72.0	73.0
77.5°	58.2	58.2	58.2	57.2	57.2	56.2	56.2	57.2	57.2	57.2	58.2
80°	44.4	44.4	44.4	43.4	42.4	42.4	42.4	42.4	42.4	43.4	42.4
82.5°	30.6	30.6	30.6	30.6	30.6	29.6	29.6	29.6	30.6	30.6	29.6
85°	18.7	17.8	18.7	18.7	17.8	18.7	17.8	17.8	16.8	16.8	17.8
87.5°	7.9	6.9	5.9	5.9	6.9	5.9	5.9	5.9	6.9	5.9	5.9
90°	12.6	12.7	12.9	13.2	13.4	13.6	13.4	13.2	12.9	12.7	12.6
92.5°	13.1	13.2	13.3	13.4	13.5	13.6	13.5	13.4	13.3	13.2	13.1
95°	22.1	22.0	21.9	21.8	21.7	21.6	21.7	21.8	21.9	22.0	22.1
97.5°	27.1	27.2	27.3	27.4	27.5	27.6	27.5	27.4	27.3	27.2	27.1
100°	32.7	32.8	33.0	33.3	33.5	33.7	33.5	33.3	33.0	32.8	32.7
102.5°	35.2	35.4	35.7	36.0	36.4	36.7	36.4	36.0	35.7	35.4	35.2
105°	36.2	36.4	36.9	37.3	37.8	38.2	37.8	37.3	36.9	36.4	36.2
107.5°	37.2	37.4	37.9	38.3	38.8	39.2	38.8	38.3	37.9	37.4	37.2
110°	37.7	37.9	38.4	38.8	39.3	39.7	39.3	38.8	38.4	37.9	37.7

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	38.7	38.9	39.2	39.5	39.9	40.2	39.9	39.5	39.2	38.9	38.7
115°	77.4	73.4	65.3	57.3	49.2	41.2	49.2	57.3	65.3	73.4	77.4
117.5°	265.4	250.8	221.5	192.2	163.0	133.7	163.0	192.2	221.5	250.8	265.4
120°	374.5	367.0	351.9	336.8	321.8	306.7	321.8	336.8	351.9	367.0	374.5
122.5°	401.2	401.3	401.4	401.5	401.6	401.7	401.6	401.5	401.4	401.3	401.2
125°	428.3	428.5	428.8	429.1	429.5	429.8	429.5	429.1	428.8	428.5	428.3
127.5°	454.5	454.6	454.7	454.8	454.9	455.0	454.9	454.8	454.7	454.6	454.5
130°	478.6	478.5	478.4	478.3	478.2	478.1	478.2	478.3	478.4	478.5	478.6
132.5°	501.2	501.1	501.0	500.9	500.8	500.7	500.8	500.9	501.0	501.1	501.2
135°	523.3	523.2	523.0	522.7	522.5	522.3	522.5	522.7	523.0	523.2	523.3
137.5°	543.9	543.7	543.4	543.1	542.7	542.4	542.7	543.1	543.4	543.7	543.9
140°	563.5	563.2	562.7	562.1	561.6	561.0	561.6	562.1	562.7	563.2	563.5
142.5°	581.6	581.3	580.8	580.2	579.7	579.1	579.7	580.2	580.8	581.3	581.6
145°	598.2	597.9	597.4	596.8	596.3	595.7	596.3	596.8	597.4	597.9	598.2
147.5°	612.8	612.6	612.1	611.7	611.2	610.8	611.2	611.7	612.1	612.6	612.8
150°	626.9	626.6	626.1	625.5	625.0	624.4	625.0	625.5	626.1	626.6	626.9
152.5°	639.5	639.1	638.3	637.5	636.7	635.9	636.7	637.5	638.3	639.1	639.5
155°	650.5	650.1	649.2	648.3	647.4	646.5	647.4	648.3	649.2	650.1	650.5
157.5°	660.6	660.1	659.2	658.3	657.4	656.5	657.4	658.3	659.2	660.1	660.6
160°	668.6	668.2	667.4	666.7	665.9	665.1	665.9	666.7	667.4	668.2	668.6
162.5°	676.7	676.2	675.2	674.1	673.1	672.1	673.1	674.1	675.2	676.2	676.7
165°	682.7	682.3	681.5	680.8	680.0	679.2	680.0	680.8	681.5	682.3	682.7
167.5°	688.2	687.7	686.7	685.7	684.7	683.7	684.7	685.7	686.7	687.7	688.2
170°	692.2	691.7	690.7	689.7	688.7	687.7	688.7	689.7	690.7	691.7	692.2
172.5°	695.3	694.8	693.8	692.7	691.7	690.7	691.7	692.7	693.8	694.8	695.3
175°	697.3	696.7	695.6	694.5	693.3	692.2	693.3	694.5	695.6	696.7	697.3
177.5°	697.8	697.3	696.3	695.2	694.2	693.2	694.2	695.2	696.3	697.3	697.8
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1352.9	1357.9	1355.9	1345.0	1355.9	1358.9	1364.8	1370.7	1374.6	1380.6	1385.5
5°	1268.1	1277.9	1283.9	1277.9	1297.7	1300.6	1314.4	1322.3	1334.2	1344.1	1351.9
7.5°	1188.1	1196.0	1207.9	1209.8	1221.7	1235.5	1255.2	1275.0	1293.7	1303.6	1312.5
10°	1102.3	1116.1	1133.9	1129.9	1147.7	1169.4	1190.1	1221.7	1237.5	1255.2	1271.0
12.5°	1016.4	1025.3	1049.0	1056.9	1082.5	1099.3	1127.9	1147.7	1187.1	1207.9	1221.7
15°	866.4	902.9	932.5	968.1	1001.6	1033.2	1058.9	1094.4	1128.9	1144.7	1167.4
17.5°	798.3	815.1	832.9	850.6	894.1	950.3	995.7	1034.2	1063.8	1084.5	1111.2
20°	727.3	744.1	763.8	780.6	807.2	847.7	903.9	970.0	1005.6	1027.3	1052.9
22.5°	677.0	692.7	705.6	720.4	741.1	770.7	813.1	895.0	942.4	969.1	991.8
25°	622.7	642.4	656.2	667.1	683.9	716.4	751.0	797.4	882.2	902.9	934.5
27.5°	585.2	591.1	606.9	623.7	640.4	658.2	693.7	733.2	790.4	835.8	874.3
30°	540.8	555.6	570.4	577.3	592.1	617.8	639.5	681.9	726.3	761.8	808.2
32.5°	507.2	516.1	526.0	542.8	556.6	574.3	596.0	631.6	669.1	691.8	727.3
35°	469.7	475.6	496.4	503.3	517.1	534.9	556.6	584.2	624.7	642.4	668.1
37.5°	434.2	448.0	453.9	469.7	482.6	500.3	516.1	547.7	574.3	595.1	618.7
40°	406.6	412.5	423.3	437.2	448.0	461.8	481.6	504.3	532.9	549.7	570.4
42.5°	373.0	378.0	391.8	399.7	417.4	430.3	442.1	469.7	495.4	508.2	528.9
45°	336.5	348.3	357.2	373.0	382.9	398.7	413.5	433.2	456.9	471.7	483.5
47.5°	304.9	316.8	325.7	340.5	356.2	363.2	378.9	399.7	421.4	433.2	450.0
50°	279.3	283.2	300.0	306.9	323.7	337.5	348.3	366.1	389.8	396.7	410.5
52.5°	254.6	257.6	268.4	277.3	292.1	303.9	317.8	334.5	354.3	365.1	376.0
55°	232.9	234.9	239.8	249.7	259.5	274.3	287.2	303.0	319.7	331.6	341.4
57.5°	208.2	212.2	216.1	222.0	231.9	245.7	259.5	274.3	288.2	296.0	308.9
60°	179.6	185.5	192.4	199.3	206.2	216.1	231.9	245.7	258.5	265.5	275.3
62.5°	149.0	160.9	166.8	174.7	180.6	189.5	201.3	217.1	226.0	234.9	242.8
65°	134.2	135.2	136.2	144.1	154.9	163.8	174.7	186.5	200.3	206.2	212.2
67.5°	119.4	120.4	122.4	123.4	127.3	137.2	149.0	161.8	172.7	176.6	182.6
70°	104.6	104.6	108.6	109.5	110.5	111.5	121.4	134.2	144.1	149.0	155.9
72.5°	88.8	89.8	91.8	92.8	94.7	96.7	99.7	106.6	118.4	123.4	131.2
75°	73.0	74.0	75.0	76.0	78.9	79.9	82.9	86.8	91.8	97.7	102.6
77.5°	58.2	58.2	59.2	61.2	63.2	64.1	67.1	69.1	71.1	74.0	78.0
80°	43.4	44.4	44.4	46.4	46.4	47.4	48.4	51.3	53.3	55.3	57.2
82.5°	29.6	31.6	31.6	31.6	32.6	33.6	34.5	34.5	36.5	37.5	40.5
85°	17.8	18.7	18.7	18.7	17.8	19.7	19.7	20.7	20.7	20.7	21.7
87.5°	6.9	5.9	6.9	6.9	6.9	7.9	6.9	6.9	7.9	8.9	8.9
90°	12.3	11.8	11.2	10.7	10.1	9.2	8.3	7.4	6.5	6.0	5.4
92.5°	13.0	12.8	12.5	12.3	12.1	11.8	11.4	11.1	10.8	10.6	10.8
95°	21.8	21.3	20.7	20.2	19.6	18.8	18.0	17.3	16.5	16.1	17.9
97.5°	26.9	26.6	26.3	25.9	25.6	23.8	22.0	20.3	18.5	17.6	22.2
100°	32.3	31.4	30.5	29.6	28.7	26.8	24.9	23.0	21.1	20.1	27.8
102.5°	34.6	33.4	32.1	30.9	29.7	50.0	70.4	90.7	111.0	121.2	121.3
105°	35.6	34.4	33.1	31.9	30.7	61.2	91.7	122.2	152.7	167.9	166.2
107.5°	36.6	35.4	34.1	32.9	31.7	69.3	107.0	144.6	182.3	201.1	199.7
110°	43.3	54.5	65.6	76.8	88.0	120.3	152.6	184.9	217.2	233.3	232.1

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	62.8	110.9	159.1	207.2	255.4	257.3	259.2	261.1	263.0	263.9	262.9
115°	103.3	155.0	206.7	258.5	310.2	307.4	304.6	301.8	299.0	297.6	296.7
117.5°	273.4	289.4	305.3	321.3	337.3	335.4	333.5	331.6	329.7	328.8	327.7
120°	373.8	372.5	371.2	369.8	368.5	366.5	364.5	362.4	360.4	359.4	358.6
122.5°	400.9	400.2	399.5	398.9	398.2	396.0	393.7	391.5	389.2	388.1	387.2
125°	427.9	427.1	426.4	425.6	424.8	422.7	420.5	418.4	416.3	415.2	414.5
127.5°	453.9	452.8	451.7	450.5	449.4	447.7	446.1	444.4	442.7	441.9	441.1
130°	478.0	476.8	475.5	474.3	473.1	471.9	470.6	469.4	468.1	467.5	466.6
132.5°	500.7	499.7	498.7	497.7	496.7	495.5	494.3	493.0	491.8	491.2	490.5
135°	522.7	521.6	520.5	519.4	518.3	517.3	516.3	515.3	514.3	513.8	512.9
137.5°	543.3	542.2	541.1	540.0	538.9	537.8	536.7	535.6	534.5	533.9	533.2
140°	563.0	562.0	561.0	560.0	559.0	557.8	556.6	555.3	554.1	553.5	553.1
142.5°	581.2	580.3	579.4	578.5	577.6	576.2	574.7	573.3	571.8	571.1	570.7
145°	597.8	597.0	596.3	595.5	594.7	592.8	590.9	589.0	587.1	586.2	586.3
147.5°	612.5	612.0	611.4	610.9	610.3	608.4	606.5	604.6	602.7	601.8	602.0
150°	626.6	625.9	625.2	624.6	623.9	622.1	620.3	618.5	616.7	615.8	616.2
152.5°	639.2	638.5	637.8	637.1	636.4	634.7	633.1	631.4	629.7	628.9	629.3
155°	650.2	649.5	648.8	648.2	647.5	646.2	644.8	643.5	642.2	641.5	642.0
157.5°	660.2	659.4	658.7	657.9	657.1	656.1	655.1	654.0	653.0	652.5	652.9
160°	668.3	667.6	666.9	666.3	665.6	664.9	664.3	663.6	662.9	662.6	662.9
162.5°	676.3	675.5	674.7	673.9	673.1	672.5	672.0	671.4	670.9	670.6	670.9
165°	682.3	681.5	680.8	680.0	679.2	678.9	678.5	678.2	677.9	677.7	678.0
167.5°	687.8	687.0	686.3	685.5	684.7	684.4	684.0	683.7	683.4	683.2	683.5
170°	691.8	691.0	690.3	689.5	688.7	688.5	688.3	688.0	687.8	687.7	688.0
172.5°	694.9	694.1	693.3	692.5	691.7	691.5	691.3	691.0	690.8	690.7	691.0
175°	696.9	696.1	695.3	694.5	693.7	693.5	693.3	693.0	692.8	692.7	693.1
177.5°	697.4	696.6	695.9	695.1	694.3	694.2	694.0	693.9	693.8	693.7	694.1
180°	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8	694.8

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1420.0	1420.0	1420.0	1420.0
2.5°	1394.4	1391.4	1409.2	1428.9
5°	1365.8	1370.7	1393.4	1421.0
7.5°	1336.2	1347.0	1373.7	1410.2
10°	1294.7	1314.4	1354.9	1392.4
12.5°	1254.3	1280.9	1319.4	1363.8
15°	1208.9	1238.5	1285.8	1339.1
17.5°	1158.5	1192.1	1247.3	1305.6
20°	1105.2	1149.6	1207.9	1271.0
22.5°	1046.0	1099.3	1159.5	1229.6
25°	988.8	1047.0	1107.2	1188.1
27.5°	932.5	989.8	1056.9	1138.8
30°	876.3	928.6	1000.6	1088.5
32.5°	816.1	870.4	946.4	1036.2
35°	760.8	815.1	886.2	975.0
37.5°	701.6	759.9	827.9	919.7
40°	632.6	700.6	766.8	854.6
42.5°	575.3	647.4	711.5	794.4
45°	529.9	598.0	651.3	732.2
47.5°	487.5	542.8	597.0	672.0
50°	447.0	489.5	545.7	612.8
52.5°	405.6	442.1	490.5	553.6
55°	368.1	402.6	446.0	494.4
57.5°	333.5	358.2	401.6	445.1
60°	295.1	320.7	354.3	390.8
62.5°	262.5	282.2	313.8	344.4
65°	228.0	246.7	270.4	299.0
67.5°	196.4	213.2	231.9	254.6
70°	167.8	180.6	194.4	214.1
72.5°	137.2	151.0	163.8	179.6
75°	112.5	118.4	129.3	140.1
77.5°	86.8	94.7	100.7	109.5
80°	62.2	69.1	71.1	78.0
82.5°	41.4	45.4	49.3	51.3
85°	23.7	25.7	29.6	30.6
87.5°	8.9	9.9	11.8	13.8
90°	4.2	2.9	1.7	0.5
92.5°	11.3	11.7	12.2	12.6
95°	21.6	25.3	29.0	32.7
97.5°	31.3	40.5	49.6	58.8
100°	43.1	58.4	73.7	89.0
102.5°	121.5	121.8	122.0	122.2
105°	162.9	159.5	156.2	152.8
107.5°	196.9	194.1	191.3	188.5
110°	229.8	227.4	225.1	222.7

TEST NUMBER: P999951

CATALOG NUMBER: SA2XXRDIP-B675D530UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	260.9	258.9	256.9	254.9
115°	294.8	292.9	291.0	289.1
117.5°	325.4	323.2	320.9	318.7
120°	356.9	355.2	353.6	351.9
122.5°	385.4	383.7	381.9	380.1
125°	413.0	411.6	410.1	408.7
127.5°	439.6	438.0	436.5	434.9
130°	464.8	463.1	461.3	459.5
132.5°	489.0	487.5	486.1	484.6
135°	511.1	509.3	507.5	505.7
137.5°	531.9	530.6	529.2	527.9
140°	552.2	551.3	550.4	549.5
142.5°	569.9	569.2	568.4	567.6
145°	586.4	586.5	586.6	586.7
147.5°	602.3	602.6	603.0	603.3
150°	617.0	617.7	618.5	619.3
152.5°	630.2	631.1	632.0	632.9
155°	643.0	644.0	645.0	646.0
157.5°	653.8	654.7	655.6	656.5
160°	663.6	664.3	664.9	665.6
162.5°	671.6	672.3	672.9	673.6
165°	678.7	679.4	680.0	680.7
167.5°	684.2	684.9	685.5	686.2
170°	688.7	689.4	690.0	690.7
172.5°	691.7	692.4	693.0	693.7
175°	693.9	694.7	695.5	696.3
177.5°	694.9	695.7	696.5	697.3
180°	694.8	694.8	694.8	694.8

(END OF REPORT)