

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: P999909

Luminaire Tested: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999909
REPORT IS A COMBINATION OF REPORTS P988466 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

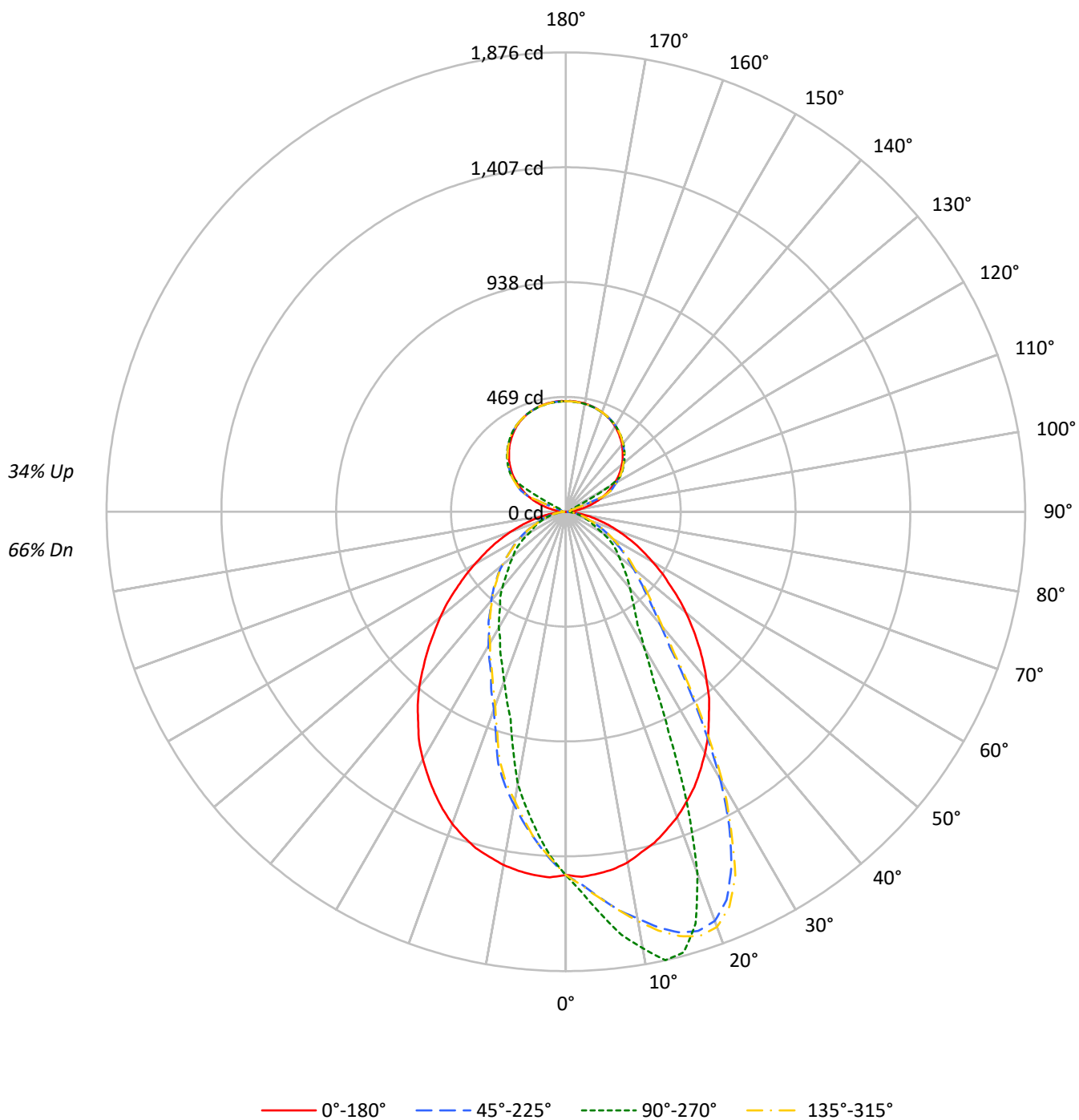
Lumens per Lamp: N/A
Luminaire Lumens: 3887.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 45.2
Input Voltage (V):
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°	23476	23476	23476	23476
5°	23531	24936	23613	19921
10°	23273	26356	23438	16450
15°	22767	26365	23153	12359
20°	22160	21793	22641	10196
25°	21423	13618	21886	8673
30°	20483	8719	21040	7468
35°	19339	6701	19966	6390
40°	18063	5632	18837	5589
45°	16701	4794	17400	4692
50°	15305	4074	16020	4058
55°	13760	3540	14501	3493
60°	12384	2699	13042	2667
65°	11102	2031	11760	2304
70°	9688	1622	10446	1879
75°	8190	1242	8939	1420
80°	6499	845	6994	931
85°	4520	437	4944	461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 21476 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	3.6
10°-20°	392.7	10.1
20°-30°	505.4	13.0
30°-40°	479.4	12.3
40°-50°	410.9	10.6
50°-60°	312.9	8.1
60°-70°	197.3	5.1
70°-80°	98.4	2.5
80°-90°	26.1	0.7
90°-100°	14.9	0.4
100°-110°	55.5	1.4
110°-120°	147.1	3.8
120°-130°	244.0	6.3
130°-140°	259.2	6.7
140°-150°	240.9	6.2
150°-160°	193.7	5.0
160°-170°	124.8	3.2
170°-180°	43.0	1.1
0°-30°	1038.7	26.7
0°-40°	1518.1	39.1
0°-60°	2241.9	57.7
0°-90°	2563.8	66.0
90°-120°	217.5	5.6
90°-150°	961.7	24.7
90°-180°	1323.0	34.0
0°-180°	3887.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1483	1483	1483	1483	1483	
5°	1484	1650	1489	1318	1484	141
15°	1399	1862	1422	873	1399	393
25°	1241	994	1268	633	1241	570
35°	1018	490	1051	467	1018	637
45°	765	340	797	333	765	590
55°	516	236	544	233	516	465
65°	312	123	331	139	312	310
75°	146	65	160	74	146	158
85°	32	19	35	20	32	36
90°	0	9	0	9	0	3
95°	21	14	21	14	21	25
105°	99	25	99	25	99	106
115°	188	27	188	27	188	185
125°	266	279	266	279	266	237
135°	329	339	329	339	329	254
145°	381	387	381	387	381	238
155°	420	420	420	420	420	193
165°	442	441	442	441	442	125
175°	452	450	452	450	452	43
180°	451	451	451	451	451	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1
2.5°	1492.4	1498.6	1501.7	1505.8	1515.1	1521.2	1530.5	1532.6	1531.6	1535.7	1524.3
5°	1484.1	1497.5	1509.9	1520.2	1536.7	1547.0	1558.3	1571.7	1574.8	1590.3	1581.0
7.5°	1472.8	1492.4	1509.9	1530.5	1555.3	1568.7	1586.2	1606.8	1616.1	1634.6	1639.8
10°	1454.3	1482.1	1512.0	1533.6	1567.6	1591.3	1607.8	1640.8	1662.4	1690.3	1686.1
12.5°	1424.4	1460.4	1500.6	1536.7	1581.0	1596.5	1627.4	1661.4	1689.2	1715.0	1737.7
15°	1398.6	1439.8	1484.1	1528.5	1579.0	1607.8	1638.7	1683.1	1712.9	1758.3	1777.9
17.5°	1363.6	1416.1	1468.7	1518.2	1577.9	1610.9	1649.0	1692.3	1736.7	1779.9	1795.4
20°	1327.5	1384.2	1440.9	1507.8	1575.9	1607.8	1647.0	1700.6	1743.9	1777.9	1777.9
22.5°	1284.2	1353.2	1418.2	1482.1	1556.3	1602.7	1642.9	1705.7	1736.7	1743.9	1716.0
25°	1240.9	1310.0	1381.1	1460.4	1545.0	1586.2	1631.5	1690.3	1700.6	1671.7	1599.6
27.5°	1189.4	1266.7	1347.1	1432.6	1521.2	1572.8	1614.0	1653.2	1633.6	1556.3	1443.9
30°	1136.8	1220.3	1311.0	1392.4	1499.6	1547.0	1582.1	1593.4	1531.6	1405.8	1260.5
32.5°	1082.2	1163.6	1259.5	1357.4	1465.6	1510.9	1533.6	1503.7	1390.4	1231.6	1054.4
35°	1018.3	1110.0	1210.0	1312.0	1419.2	1453.2	1466.6	1393.4	1248.1	1043.0	866.8
37.5°	960.6	1052.3	1159.5	1263.6	1367.7	1386.2	1372.8	1258.4	1073.9	870.9	698.8
40°	892.5	990.5	1095.6	1212.0	1297.6	1302.7	1269.8	1121.4	892.5	701.9	595.7
42.5°	829.7	928.6	1033.7	1152.3	1217.2	1199.7	1155.4	960.6	745.2	605.0	519.4
45°	764.7	858.5	971.9	1077.0	1123.4	1082.2	1015.2	808.0	625.6	520.5	454.5
47.5°	701.9	789.5	901.8	1002.8	1011.1	964.7	885.3	677.1	542.1	457.6	404.0
50°	640.0	727.6	832.8	916.3	908.0	844.1	754.4	588.5	471.0	404.0	359.7
52.5°	578.2	657.6	759.6	825.6	790.5	728.7	640.0	498.8	411.2	352.5	318.5
55°	516.4	590.6	678.2	732.8	677.1	606.0	543.2	427.7	356.6	309.2	283.4
57.5°	464.8	523.6	604.0	636.9	570.0	514.3	459.7	367.9	309.2	275.2	245.3
60°	408.1	461.7	527.7	547.3	478.2	432.9	386.5	311.3	264.9	235.0	215.4
62.5°	359.7	404.0	454.5	454.5	393.7	359.7	324.7	260.8	222.6	198.9	189.6
65°	312.3	344.2	380.3	376.2	324.7	294.8	266.9	215.4	186.5	170.1	160.8
67.5°	265.9	290.6	314.3	299.9	262.8	237.1	211.3	174.2	154.6	143.3	130.9
70°	223.7	243.2	255.6	242.2	205.1	183.5	164.9	140.2	124.7	110.3	103.1
72.5°	187.6	195.8	199.9	183.5	152.5	140.2	126.8	109.2	95.9	88.6	86.6
75°	146.4	153.6	150.5	138.1	112.3	103.1	92.8	80.4	77.3	73.2	71.1
77.5°	114.4	114.4	109.2	97.9	80.4	73.2	69.1	62.9	59.8	58.7	56.7
80°	81.4	80.4	77.3	64.9	54.6	50.5	50.5	46.4	45.3	43.3	43.3
82.5°	53.6	53.6	49.5	39.2	36.1	35.0	34.0	32.0	32.0	30.9	30.9
85°	32.0	29.9	24.7	21.6	20.6	20.6	19.6	18.6	19.6	18.6	18.6
87.5°	14.4	11.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
90°	0.3	1.1	1.9	2.7	3.5	3.9	4.2	4.8	5.3	5.9	6.5
92.5°	8.2	7.9	7.6	7.3	7.0	6.9	7.0	7.2	7.4	7.6	7.8
95°	21.2	18.8	16.4	14.1	11.7	10.5	10.7	11.2	11.7	12.2	12.7
97.5°	38.2	32.2	26.3	20.3	14.4	11.4	12.0	13.2	14.3	15.5	16.7
100°	57.8	47.9	37.9	28.0	18.1	13.1	13.7	14.9	16.2	17.4	18.6
102.5°	79.4	79.2	79.1	78.9	78.8	78.7	72.1	58.9	45.7	32.5	19.3
105°	99.3	101.5	103.7	105.8	108.0	109.1	99.2	79.4	59.5	39.7	19.9
107.5°	122.5	124.3	126.1	127.9	129.7	130.6	118.4	93.9	69.5	45.0	20.6
110°	144.7	146.2	147.7	149.2	150.7	151.5	141.0	120.1	99.1	78.2	57.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	165.6	166.9	168.2	169.5	170.8	171.5	170.9	169.6	168.4	167.1	165.9
115°	187.8	189.0	190.2	191.5	192.7	193.3	194.2	196.0	197.9	199.7	201.5
117.5°	207.1	208.5	210.0	211.4	212.9	213.6	214.2	215.4	216.7	217.9	219.1
120°	228.6	229.7	230.8	231.9	233.0	233.5	234.2	235.5	236.8	238.1	239.4
122.5°	246.9	248.1	249.2	250.4	251.5	252.1	252.8	254.3	255.8	257.2	258.7
125°	265.5	266.5	267.4	268.4	269.3	269.8	270.5	271.9	273.2	274.6	276.0
127.5°	282.5	283.5	284.5	285.6	286.6	287.1	287.6	288.7	289.8	290.9	292.0
130°	298.5	299.7	300.8	302.0	303.1	303.7	304.1	304.9	305.7	306.5	307.3
132.5°	314.8	315.8	316.7	317.7	318.6	319.1	319.5	320.3	321.1	321.9	322.7
135°	328.6	329.8	330.9	332.1	333.2	333.8	334.1	334.8	335.4	336.1	336.7
137.5°	342.9	343.8	344.6	345.5	346.4	346.8	347.2	347.9	348.6	349.4	350.1
140°	357.0	357.6	358.2	358.7	359.3	359.6	360.0	360.8	361.6	362.4	363.2
142.5°	368.7	369.2	369.7	370.2	370.7	371.0	371.5	372.4	373.4	374.3	375.3
145°	381.1	381.0	381.0	380.9	380.8	380.8	381.4	382.7	383.9	385.2	386.4
147.5°	391.9	391.7	391.5	391.2	391.0	390.9	391.5	392.8	394.0	395.3	396.5
150°	402.4	401.9	401.4	400.9	400.4	400.1	400.7	401.8	403.0	404.1	405.3
152.5°	411.2	410.6	410.0	409.5	408.9	408.6	409.1	410.2	411.3	412.4	413.5
155°	419.7	419.0	418.4	417.7	417.0	416.7	417.1	418.0	418.9	419.8	420.7
157.5°	426.5	425.9	425.3	424.8	424.2	423.9	424.2	424.9	425.6	426.2	426.9
160°	432.4	432.0	431.6	431.1	430.7	430.5	430.7	431.1	431.6	432.0	432.4
162.5°	437.6	437.2	436.8	436.3	435.9	435.7	435.9	436.2	436.6	436.9	437.3
165°	442.2	441.8	441.3	440.9	440.4	440.2	440.3	440.5	440.8	441.0	441.2
167.5°	445.8	445.4	444.9	444.5	444.0	443.8	443.9	444.1	444.4	444.6	444.8
170°	448.7	448.3	447.9	447.4	447.0	446.8	446.9	447.0	447.1	447.3	447.4
172.5°	450.7	450.3	449.8	449.4	448.9	448.7	448.8	448.9	449.1	449.2	449.4
175°	452.3	451.8	451.3	450.8	450.3	450.0	450.1	450.2	450.4	450.5	450.7
177.5°	453.0	452.5	452.0	451.5	451.0	450.7	450.7	450.8	450.9	450.9	451.0
180°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1
2.5°	1535.7	1537.7	1540.8	1555.3	1557.3	1561.4	1559.4	1559.4	1560.4	1558.3	1559.4
5°	1601.6	1604.7	1620.2	1637.7	1641.8	1637.7	1642.9	1650.1	1650.1	1650.1	1648.0
7.5°	1663.5	1674.8	1692.3	1718.1	1723.3	1728.4	1737.7	1731.5	1733.6	1742.8	1739.7
10°	1723.3	1739.7	1759.3	1781.0	1792.3	1799.5	1803.6	1812.9	1834.6	1809.8	1819.1
12.5°	1779.9	1803.6	1824.3	1848.0	1856.2	1865.5	1868.6	1876.8	1876.8	1875.8	1883.0
15°	1817.0	1838.7	1857.2	1872.7	1874.8	1872.7	1870.6	1871.7	1874.8	1862.4	1869.6
17.5°	1825.3	1827.3	1833.5	1827.3	1828.4	1806.7	1794.4	1791.3	1762.4	1763.4	1787.2
20°	1785.1	1750.1	1740.8	1706.8	1686.1	1630.5	1628.4	1613.0	1552.2	1570.7	1566.6
22.5°	1674.8	1615.0	1535.7	1496.5	1476.9	1418.2	1372.8	1340.9	1319.2	1297.6	1288.3
25°	1529.5	1432.6	1320.3	1243.0	1231.6	1177.0	1093.5	1054.4	1008.0	993.6	1018.3
27.5°	1341.9	1216.2	1089.4	970.9	949.2	899.8	857.5	829.7	776.1	773.0	775.1
30°	1087.3	960.6	854.4	777.1	723.5	700.8	673.0	652.4	630.8	639.0	641.1
32.5°	893.6	773.0	674.0	632.8	608.1	593.7	570.0	556.6	547.3	544.2	543.2
35°	710.1	629.7	585.4	545.2	530.8	520.5	503.0	496.8	488.5	489.6	489.6
37.5°	608.1	541.1	508.1	487.5	474.1	468.9	457.6	451.4	446.3	444.2	447.3
40°	524.6	478.2	457.6	439.1	427.7	425.7	419.5	412.3	406.1	407.1	410.2
42.5°	463.8	437.0	412.3	397.8	389.6	386.5	381.3	376.2	376.2	373.1	372.1
45°	415.4	393.7	373.1	359.7	354.5	350.4	344.2	343.2	339.1	340.1	341.1
47.5°	372.1	354.5	339.1	325.7	320.5	319.5	313.3	309.2	309.2	308.2	307.1
50°	332.9	315.4	302.0	294.8	287.6	285.5	284.5	283.4	281.4	281.4	282.4
52.5°	301.0	283.4	273.1	266.9	262.8	260.8	260.8	259.7	259.7	259.7	258.7
55°	265.9	251.5	243.2	241.2	239.1	238.1	237.1	235.0	234.0	236.0	234.0
57.5°	232.9	227.8	220.6	218.5	213.3	213.3	210.3	208.2	206.1	208.2	208.2
60°	207.2	199.9	195.8	189.6	185.5	181.4	176.2	175.2	173.1	172.1	171.1
62.5°	180.4	174.2	163.9	154.6	148.4	144.3	142.2	141.2	141.2	140.2	140.2
65°	150.5	136.0	130.9	127.8	126.8	125.7	123.7	122.6	123.7	122.6	123.7
67.5°	117.5	115.4	112.3	110.3	109.2	108.2	108.2	107.2	107.2	107.2	107.2
70°	102.0	96.9	95.9	93.8	93.8	92.8	92.8	92.8	92.8	91.7	93.8
72.5°	84.5	81.4	80.4	79.4	79.4	79.4	78.3	78.3	78.3	77.3	78.3
75°	69.1	68.0	66.0	66.0	64.9	66.0	64.9	64.9	63.9	64.9	64.9
77.5°	55.7	54.6	53.6	53.6	52.6	52.6	52.6	52.6	52.6	52.6	53.6
80°	42.3	41.2	40.2	41.2	40.2	41.2	40.2	40.2	41.2	40.2	40.2
82.5°	30.9	29.9	29.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
85°	18.6	17.5	17.5	18.6	17.5	18.6	17.5	17.5	17.5	18.6	18.6
87.5°	8.2	9.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.3
90°	6.9	7.3	7.6	8.0	8.2	8.3	8.4	8.5	8.7	8.8	8.7
92.5°	8.0	8.1	8.3	8.4	8.5	8.5	8.6	8.7	8.7	8.8	8.7
95°	13.1	13.5	13.8	14.2	14.4	14.4	14.3	14.2	14.1	14.0	14.1
97.5°	16.9	17.1	17.3	17.5	17.6	17.6	17.7	17.8	17.9	18.0	17.9
100°	19.2	19.8	20.3	20.9	21.2	21.3	21.4	21.6	21.7	21.9	21.7
102.5°	20.1	20.9	21.7	22.5	22.9	23.0	23.2	23.4	23.6	23.8	23.6
105°	20.7	21.5	22.3	23.1	23.5	23.6	23.9	24.2	24.5	24.8	24.5
107.5°	21.4	22.2	23.0	23.8	24.2	24.3	24.6	24.9	25.2	25.5	25.2
110°	49.9	42.7	35.4	28.1	24.5	24.6	24.9	25.2	25.5	25.8	25.5

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	134.6	103.3	72.0	40.7	25.1	25.2	25.4	25.7	25.9	26.1	25.9
115°	167.9	134.3	100.7	67.1	50.3	47.7	42.5	37.2	32.0	26.8	32.0
117.5°	208.7	198.3	188.0	177.6	172.4	162.9	143.9	124.9	105.9	86.9	105.9
120°	240.3	241.1	242.0	242.9	243.3	238.4	228.6	218.8	209.0	199.2	209.0
122.5°	259.1	259.5	260.0	260.4	260.6	260.6	260.7	260.8	260.8	260.9	260.8
125°	276.5	277.0	277.5	278.0	278.3	278.4	278.6	278.8	279.0	279.2	279.0
127.5°	292.7	293.4	294.1	294.8	295.2	295.2	295.3	295.4	295.5	295.6	295.5
130°	308.1	308.9	309.7	310.5	310.9	310.9	310.8	310.7	310.7	310.6	310.7
132.5°	323.3	324.0	324.6	325.3	325.6	325.6	325.5	325.4	325.4	325.3	325.4
135°	337.4	338.2	338.9	339.6	340.0	339.9	339.8	339.6	339.5	339.3	339.5
137.5°	350.8	351.6	352.3	353.0	353.4	353.3	353.1	352.8	352.6	352.4	352.6
140°	363.8	364.5	365.1	365.8	366.1	365.9	365.6	365.2	364.9	364.5	364.9
142.5°	375.9	376.5	377.0	377.6	377.9	377.7	377.3	377.0	376.6	376.2	376.6
145°	386.9	387.4	387.9	388.4	388.6	388.4	388.1	387.7	387.4	387.0	387.4
147.5°	396.9	397.2	397.6	397.9	398.1	398.0	397.7	397.4	397.1	396.8	397.1
150°	405.7	406.2	406.6	407.1	407.3	407.1	406.7	406.4	406.0	405.6	406.0
152.5°	413.9	414.3	414.8	415.2	415.4	415.1	414.6	414.1	413.6	413.1	413.6
155°	421.1	421.5	422.0	422.4	422.6	422.3	421.7	421.2	420.6	420.0	420.6
157.5°	427.4	427.9	428.4	428.9	429.1	428.8	428.2	427.7	427.1	426.5	427.1
160°	432.8	433.3	433.7	434.2	434.4	434.1	433.6	433.1	432.6	432.1	432.6
162.5°	437.8	438.3	438.8	439.3	439.6	439.3	438.6	438.0	437.3	436.7	437.3
165°	441.7	442.2	442.7	443.2	443.5	443.2	442.7	442.2	441.7	441.2	441.7
167.5°	445.3	445.8	446.3	446.8	447.1	446.8	446.1	445.5	444.8	444.2	444.8
170°	447.9	448.4	448.9	449.4	449.7	449.4	448.7	448.1	447.4	446.8	447.4
172.5°	449.9	450.4	450.9	451.4	451.7	451.4	450.7	450.0	449.4	448.7	449.4
175°	451.2	451.7	452.2	452.7	453.0	452.6	451.9	451.2	450.4	449.7	450.4
177.5°	451.5	452.0	452.5	453.0	453.3	453.0	452.3	451.7	451.0	450.4	451.0
180°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1
2.5°	1563.5	1556.3	1554.2	1556.3	1554.2	1555.3	1548.0	1521.2	1528.5	1517.1	1523.3
5°	1652.1	1646.0	1632.6	1630.5	1628.4	1626.4	1616.1	1592.4	1583.1	1567.6	1566.6
7.5°	1736.7	1736.7	1726.3	1719.1	1709.9	1702.6	1689.2	1654.2	1639.8	1621.2	1610.9
10°	1820.1	1793.3	1804.7	1797.5	1774.8	1770.7	1745.9	1725.3	1697.5	1678.9	1662.4
12.5°	1879.9	1871.7	1861.4	1855.2	1849.0	1835.6	1819.1	1766.5	1752.1	1715.0	1696.5
15°	1877.9	1872.7	1875.8	1875.8	1873.7	1870.6	1857.2	1819.1	1794.4	1758.3	1726.3
17.5°	1776.8	1790.2	1803.6	1812.9	1833.5	1842.8	1855.2	1832.5	1817.0	1786.1	1752.1
20°	1600.6	1633.6	1672.8	1681.0	1699.5	1754.2	1778.9	1798.5	1804.7	1794.4	1766.5
22.5°	1355.3	1383.1	1478.0	1475.9	1502.7	1567.6	1639.8	1698.5	1744.9	1770.7	1760.4
25°	1061.6	1100.7	1151.2	1189.4	1277.0	1373.9	1463.5	1557.3	1637.7	1708.8	1726.3
27.5°	802.9	854.4	894.6	945.1	989.4	1103.8	1219.3	1365.6	1459.4	1594.4	1664.5
30°	649.3	673.0	713.2	736.9	758.6	846.2	977.1	1121.4	1286.3	1441.9	1562.5
32.5°	554.5	571.0	600.9	611.2	633.9	692.6	775.1	907.0	1077.0	1265.6	1424.4
35°	497.8	515.3	521.5	530.8	549.3	586.4	643.1	739.0	892.5	1077.0	1266.7
37.5°	449.4	458.6	476.2	482.3	488.5	516.4	554.5	621.5	723.5	875.0	1085.3
40°	415.4	420.5	429.8	434.9	439.1	458.6	492.7	538.0	613.2	728.7	922.4
42.5°	379.3	385.5	391.6	397.8	403.0	418.4	439.1	482.3	532.8	620.5	760.6
45°	344.2	348.4	355.6	359.7	366.9	379.3	397.8	427.7	473.1	528.7	642.1
47.5°	312.3	317.4	320.5	325.7	330.8	344.2	361.8	381.3	418.4	473.1	555.5
50°	283.4	289.6	293.7	294.8	298.9	311.3	325.7	347.3	371.0	413.3	485.4
52.5°	262.8	263.8	266.9	271.1	270.0	277.2	290.6	307.1	331.9	365.9	418.4
55°	239.1	242.2	244.3	245.3	245.3	251.5	258.7	274.2	293.7	321.6	365.9
57.5°	209.2	212.3	218.5	220.6	223.7	226.7	229.8	240.1	256.6	283.4	319.5
60°	178.3	180.4	186.5	190.7	192.7	201.0	205.1	213.3	222.6	242.2	276.2
62.5°	143.3	145.3	148.4	152.5	156.7	169.0	179.3	187.6	194.8	208.2	236.0
65°	124.7	125.7	127.8	128.8	129.9	135.0	144.3	155.6	169.0	179.3	195.8
67.5°	108.2	109.2	110.3	112.3	113.4	114.4	118.5	121.6	135.0	149.4	161.8
70°	92.8	94.8	95.9	95.9	96.9	98.9	101.0	105.1	109.2	116.5	131.9
72.5°	78.3	79.4	81.4	81.4	81.4	83.5	85.5	87.6	89.7	93.8	100.0
75°	64.9	67.0	67.0	67.0	68.0	68.0	70.1	72.1	74.2	77.3	79.4
77.5°	53.6	53.6	53.6	53.6	54.6	54.6	55.7	57.7	58.7	59.8	61.8
80°	40.2	41.2	41.2	41.2	42.3	42.3	42.3	44.3	45.3	45.3	47.4
82.5°	29.9	29.9	29.9	30.9	29.9	30.9	30.9	32.0	30.9	32.0	33.0
85°	18.6	18.6	18.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	20.6
87.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	10.3	9.3	9.3
90°	8.5	8.4	8.3	8.2	8.0	7.6	7.3	6.9	6.5	5.9	5.3
92.5°	8.7	8.6	8.5	8.5	8.4	8.3	8.1	8.0	7.8	7.6	7.4
95°	14.2	14.3	14.4	14.4	14.2	13.8	13.5	13.1	12.7	12.2	11.7
97.5°	17.8	17.7	17.6	17.6	17.5	17.3	17.1	16.9	16.7	15.5	14.3
100°	21.6	21.4	21.3	21.2	20.9	20.3	19.8	19.2	18.6	17.4	16.2
102.5°	23.4	23.2	23.0	22.9	22.5	21.7	20.9	20.1	19.3	32.5	45.7
105°	24.2	23.9	23.6	23.5	23.1	22.3	21.5	20.7	19.9	39.7	59.5
107.5°	24.9	24.6	24.3	24.2	23.8	23.0	22.2	21.4	20.6	45.0	69.5
110°	25.2	24.9	24.6	24.5	28.1	35.4	42.7	49.9	57.2	78.2	99.1

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	25.7	25.4	25.2	25.1	40.7	72.0	103.3	134.6	165.9	167.1	168.4
115°	37.2	42.5	47.7	50.3	67.1	100.7	134.3	167.9	201.5	199.7	197.9
117.5°	124.9	143.9	162.9	172.4	177.6	188.0	198.3	208.7	219.1	217.9	216.7
120°	218.8	228.6	238.4	243.3	242.9	242.0	241.1	240.3	239.4	238.1	236.8
122.5°	260.8	260.7	260.6	260.6	260.4	260.0	259.5	259.1	258.7	257.2	255.8
125°	278.8	278.6	278.4	278.3	278.0	277.5	277.0	276.5	276.0	274.6	273.2
127.5°	295.4	295.3	295.2	295.2	294.8	294.1	293.4	292.7	292.0	290.9	289.8
130°	310.7	310.8	310.9	310.9	310.5	309.7	308.9	308.1	307.3	306.5	305.7
132.5°	325.4	325.5	325.6	325.6	325.3	324.6	324.0	323.3	322.7	321.9	321.1
135°	339.6	339.8	339.9	340.0	339.6	338.9	338.2	337.4	336.7	336.1	335.4
137.5°	352.8	353.1	353.3	353.4	353.0	352.3	351.6	350.8	350.1	349.4	348.6
140°	365.2	365.6	365.9	366.1	365.8	365.1	364.5	363.8	363.2	362.4	361.6
142.5°	377.0	377.3	377.7	377.9	377.6	377.0	376.5	375.9	375.3	374.3	373.4
145°	387.7	388.1	388.4	388.6	388.4	387.9	387.4	386.9	386.4	385.2	383.9
147.5°	397.4	397.7	398.0	398.1	397.9	397.6	397.2	396.9	396.5	395.3	394.0
150°	406.4	406.7	407.1	407.3	407.1	406.6	406.2	405.7	405.3	404.1	403.0
152.5°	414.1	414.6	415.1	415.4	415.2	414.8	414.3	413.9	413.5	412.4	411.3
155°	421.2	421.7	422.3	422.6	422.4	422.0	421.5	421.1	420.7	419.8	418.9
157.5°	427.7	428.2	428.8	429.1	428.9	428.4	427.9	427.4	426.9	426.2	425.6
160°	433.1	433.6	434.1	434.4	434.2	433.7	433.3	432.8	432.4	432.0	431.6
162.5°	438.0	438.6	439.3	439.6	439.3	438.8	438.3	437.8	437.3	436.9	436.6
165°	442.2	442.7	443.2	443.5	443.2	442.7	442.2	441.7	441.2	441.0	440.8
167.5°	445.5	446.1	446.8	447.1	446.8	446.3	445.8	445.3	444.8	444.6	444.4
170°	448.1	448.7	449.4	449.7	449.4	448.9	448.4	447.9	447.4	447.3	447.1
172.5°	450.0	450.7	451.4	451.7	451.4	450.9	450.4	449.9	449.4	449.2	449.1
175°	451.2	451.9	452.6	453.0	452.7	452.2	451.7	451.2	450.7	450.5	450.4
177.5°	451.7	452.3	453.0	453.3	453.0	452.5	452.0	451.5	451.0	450.9	450.9
180°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1
2.5°	1514.0	1508.9	1508.9	1505.8	1505.8	1489.3	1489.3	1494.4	1488.3	1481.0	1470.7
5°	1553.2	1541.9	1538.8	1534.6	1521.2	1500.6	1492.4	1489.3	1476.9	1461.5	1443.9
7.5°	1590.3	1571.7	1562.5	1553.2	1535.7	1506.8	1490.3	1479.0	1460.4	1436.7	1414.1
10°	1626.4	1602.7	1579.0	1567.6	1542.9	1506.8	1483.1	1464.6	1437.8	1405.8	1373.9
12.5°	1659.4	1609.9	1605.8	1583.1	1547.0	1505.8	1469.7	1442.9	1408.9	1371.8	1334.7
15°	1688.2	1637.7	1613.0	1592.4	1545.0	1493.4	1455.3	1422.3	1377.0	1334.7	1289.3
17.5°	1702.6	1648.0	1631.5	1597.5	1549.1	1482.1	1430.5	1390.4	1340.9	1290.4	1238.8
20°	1717.1	1653.2	1626.4	1602.7	1536.7	1460.4	1402.7	1356.3	1301.7	1241.9	1185.3
22.5°	1724.3	1653.2	1621.2	1588.2	1524.3	1436.7	1368.7	1314.1	1250.2	1189.4	1121.4
25°	1711.9	1647.0	1608.9	1574.8	1502.7	1407.9	1329.5	1267.7	1199.7	1130.6	1061.6
27.5°	1681.0	1632.6	1588.2	1553.2	1472.8	1370.8	1288.3	1218.2	1148.1	1070.8	1000.8
30°	1623.3	1601.6	1566.6	1527.4	1439.8	1337.8	1239.9	1167.7	1090.4	1013.1	940.0
32.5°	1533.6	1552.2	1529.5	1495.5	1400.7	1292.4	1188.3	1115.2	1030.7	947.2	880.2
35°	1424.4	1490.3	1478.0	1454.3	1359.4	1244.0	1139.9	1051.3	966.8	882.2	815.2
37.5°	1304.8	1404.8	1415.1	1400.7	1312.0	1194.5	1080.1	993.6	907.0	821.4	753.4
40°	1140.9	1294.5	1327.5	1333.7	1262.6	1134.8	1015.2	930.7	845.1	761.7	679.2
42.5°	990.5	1184.2	1225.4	1251.2	1199.7	1076.0	955.4	861.6	777.1	701.9	619.4
45°	849.3	1051.3	1118.3	1151.2	1128.6	1009.0	884.3	796.7	719.4	650.3	571.0
47.5°	703.9	907.0	1000.8	1053.3	1053.3	941.0	816.3	729.7	655.5	596.7	526.7
50°	607.1	776.1	873.0	942.0	960.6	871.9	754.4	669.9	599.8	535.9	482.3
52.5°	517.4	668.9	749.3	821.4	875.0	797.7	685.4	609.1	540.1	480.3	438.0
55°	447.3	560.7	633.9	713.2	773.0	722.5	618.4	544.2	484.4	434.9	398.9
57.5°	380.3	479.3	539.0	609.1	673.0	634.9	551.4	487.5	434.9	391.6	359.7
60°	323.6	404.0	450.4	505.0	584.4	557.6	488.5	429.8	387.5	348.4	321.6
62.5°	275.2	339.1	378.3	417.4	489.6	477.2	423.6	378.3	342.2	309.2	286.5
65°	225.7	278.3	309.2	343.2	400.9	406.1	362.8	330.8	297.9	269.0	248.4
67.5°	182.4	223.7	251.5	280.3	326.7	341.1	311.3	284.5	256.6	232.9	214.4
70°	147.4	176.2	196.9	219.5	257.7	275.2	259.7	241.2	218.5	198.9	182.4
72.5°	116.5	135.0	147.4	164.9	195.8	213.3	212.3	195.8	179.3	165.9	152.5
75°	85.5	100.0	110.3	121.6	146.4	162.8	167.0	159.8	143.3	133.0	122.6
77.5°	64.9	73.2	78.3	86.6	104.1	118.5	124.7	122.6	111.3	103.1	95.9
80°	49.5	51.5	53.6	56.7	71.1	84.5	88.6	87.6	81.4	78.3	70.1
82.5°	35.0	36.1	37.1	38.1	43.3	54.6	58.7	60.8	55.7	52.6	45.3
85°	20.6	21.6	21.6	23.7	24.7	27.8	35.0	35.0	34.0	29.9	28.9
87.5°	10.3	10.3	9.3	9.3	10.3	11.3	13.4	15.5	13.4	12.4	11.3
90°	4.8	4.2	3.9	3.5	2.7	1.9	1.1	0.3	1.1	1.9	2.7
92.5°	7.2	7.0	6.9	7.0	7.3	7.6	7.9	8.2	7.9	7.6	7.3
95°	11.2	10.7	10.5	11.7	14.1	16.4	18.8	21.2	18.8	16.4	14.1
97.5°	13.2	12.0	11.4	14.4	20.3	26.3	32.2	38.2	32.2	26.3	20.3
100°	14.9	13.7	13.1	18.1	28.0	37.9	47.9	57.8	47.9	37.9	28.0
102.5°	58.9	72.1	78.7	78.8	78.9	79.1	79.2	79.4	79.2	79.1	78.9
105°	79.4	99.2	109.1	108.0	105.8	103.7	101.5	99.3	101.5	103.7	105.8
107.5°	93.9	118.4	130.6	129.7	127.9	126.1	124.3	122.5	124.3	126.1	127.9
110°	120.1	141.0	151.5	150.7	149.2	147.7	146.2	144.7	146.2	147.7	149.2

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	169.6	170.9	171.5	170.8	169.5	168.2	166.9	165.6	166.9	168.2	169.5
115°	196.0	194.2	193.3	192.7	191.5	190.2	189.0	187.8	189.0	190.2	191.5
117.5°	215.4	214.2	213.6	212.9	211.4	210.0	208.5	207.1	208.5	210.0	211.4
120°	235.5	234.2	233.5	233.0	231.9	230.8	229.7	228.6	229.7	230.8	231.9
122.5°	254.3	252.8	252.1	251.5	250.4	249.2	248.1	246.9	248.1	249.2	250.4
125°	271.9	270.5	269.8	269.3	268.4	267.4	266.5	265.5	266.5	267.4	268.4
127.5°	288.7	287.6	287.1	286.6	285.6	284.5	283.5	282.5	283.5	284.5	285.6
130°	304.9	304.1	303.7	303.1	302.0	300.8	299.7	298.5	299.7	300.8	302.0
132.5°	320.3	319.5	319.1	318.6	317.7	316.7	315.8	314.8	315.8	316.7	317.7
135°	334.8	334.1	333.8	333.2	332.1	330.9	329.8	328.6	329.8	330.9	332.1
137.5°	347.9	347.2	346.8	346.4	345.5	344.6	343.8	342.9	343.8	344.6	345.5
140°	360.8	360.0	359.6	359.3	358.7	358.2	357.6	357.0	357.6	358.2	358.7
142.5°	372.4	371.5	371.0	370.7	370.2	369.7	369.2	368.7	369.2	369.7	370.2
145°	382.7	381.4	380.8	380.8	380.9	381.0	381.0	381.1	381.0	381.0	380.9
147.5°	392.8	391.5	390.9	391.0	391.2	391.5	391.7	391.9	391.7	391.5	391.2
150°	401.8	400.7	400.1	400.4	400.9	401.4	401.9	402.4	401.9	401.4	400.9
152.5°	410.2	409.1	408.6	408.9	409.5	410.0	410.6	411.2	410.6	410.0	409.5
155°	418.0	417.1	416.7	417.0	417.7	418.4	419.0	419.7	419.0	418.4	417.7
157.5°	424.9	424.2	423.9	424.2	424.8	425.3	425.9	426.5	425.9	425.3	424.8
160°	431.1	430.7	430.5	430.7	431.1	431.6	432.0	432.4	432.0	431.6	431.1
162.5°	436.2	435.9	435.7	435.9	436.3	436.8	437.2	437.6	437.2	436.8	436.3
165°	440.5	440.3	440.2	440.4	440.9	441.3	441.8	442.2	441.8	441.3	440.9
167.5°	444.1	443.9	443.8	444.0	444.5	444.9	445.4	445.8	445.4	444.9	444.5
170°	447.0	446.9	446.8	447.0	447.4	447.9	448.3	448.7	448.3	447.9	447.4
172.5°	448.9	448.8	448.7	448.9	449.4	449.8	450.3	450.7	450.3	449.8	449.4
175°	450.2	450.1	450.0	450.3	450.8	451.3	451.8	452.3	451.8	451.3	450.8
177.5°	450.8	450.7	450.7	451.0	451.5	452.0	452.5	453.0	452.5	452.0	451.5
180°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1
2.5°	1466.6	1467.7	1470.7	1461.5	1447.0	1440.9	1422.3	1419.2	1416.1	1416.1	1419.2
5°	1433.6	1429.5	1430.5	1413.0	1392.4	1380.0	1354.3	1358.4	1345.0	1336.8	1338.8
7.5°	1397.6	1386.2	1385.2	1362.5	1336.8	1314.1	1287.3	1281.1	1268.7	1254.3	1248.1
10°	1352.2	1344.0	1328.5	1302.7	1269.8	1251.2	1215.1	1193.5	1190.4	1168.8	1160.5
12.5°	1305.8	1291.4	1275.9	1239.9	1202.8	1172.9	1146.1	1122.4	1105.9	1087.3	1075.0
15°	1252.2	1234.7	1217.2	1179.1	1135.8	1105.9	1065.7	1030.7	982.2	944.1	922.4
17.5°	1193.5	1173.9	1150.2	1108.0	1065.7	1024.5	950.3	909.0	875.0	852.4	839.0
20°	1132.7	1111.0	1087.3	1045.1	971.9	899.8	858.5	826.6	806.0	783.3	766.8
22.5°	1068.8	1046.1	1020.3	954.4	877.1	826.6	794.6	764.7	734.9	722.5	714.2
25°	1009.0	988.4	955.4	865.7	804.9	758.6	722.5	702.9	687.4	671.0	655.5
27.5°	947.2	909.0	862.7	787.4	749.3	701.9	676.1	661.7	634.9	623.5	616.3
30°	873.0	830.7	786.4	732.8	688.5	655.5	631.8	608.1	592.6	581.3	568.9
32.5°	797.7	757.5	729.7	674.0	641.1	607.1	584.4	570.0	547.3	540.1	534.9
35°	732.8	698.8	674.0	628.7	597.8	566.9	550.4	528.7	514.3	500.9	492.7
37.5°	668.9	650.3	624.6	586.4	553.5	528.7	506.1	498.8	479.3	472.0	463.8
40°	624.6	596.7	575.1	542.1	514.3	487.5	473.1	456.6	443.2	431.8	428.8
42.5°	571.0	550.4	538.0	501.9	473.1	457.6	440.1	421.5	411.2	402.0	390.6
45°	530.8	512.2	494.7	465.9	440.1	420.5	405.0	392.7	375.2	371.0	353.5
47.5°	488.5	470.0	456.6	427.7	404.0	385.5	374.1	357.6	343.2	333.9	325.7
50°	446.3	430.8	418.4	393.7	373.1	353.5	338.1	321.6	315.4	299.9	294.8
52.5°	406.1	395.8	382.4	358.7	338.1	321.6	305.1	291.7	282.4	274.2	268.0
55°	372.1	355.6	349.4	323.6	306.1	288.6	274.2	265.9	254.6	249.4	244.3
57.5°	333.9	324.7	314.3	294.8	275.2	258.7	248.4	236.0	229.8	223.7	219.5
60°	301.0	287.6	279.3	262.8	245.3	229.8	220.6	211.3	203.0	197.9	189.6
62.5°	262.8	252.5	247.4	229.8	215.4	201.0	192.7	183.5	177.3	168.0	157.7
65°	229.8	221.6	215.4	201.0	187.6	174.2	165.9	154.6	146.4	141.2	140.2
67.5°	201.0	194.8	185.5	172.1	158.7	148.4	139.1	129.9	128.8	126.8	126.8
70°	169.0	162.8	157.7	143.3	131.9	120.6	118.5	115.4	112.3	111.3	109.2
72.5°	141.2	136.0	129.9	117.5	106.2	103.1	101.0	98.9	95.9	94.8	93.8
75°	114.4	107.2	103.1	91.7	88.6	86.6	84.5	81.4	79.4	78.3	76.3
77.5°	87.6	80.4	80.4	74.2	72.1	69.1	67.0	64.9	63.9	61.8	61.8
80°	61.8	61.8	59.8	56.7	53.6	52.6	49.5	48.4	47.4	48.4	46.4
82.5°	45.3	41.2	41.2	39.2	37.1	36.1	34.0	34.0	33.0	33.0	33.0
85°	25.8	25.8	24.7	22.7	21.6	21.6	20.6	20.6	19.6	19.6	18.6
87.5°	10.3	9.3	10.3	9.3	9.3	8.2	8.2	8.2	7.2	8.2	7.2
90°	3.5	3.9	4.2	4.8	5.3	5.9	6.5	6.9	7.3	7.6	8.0
92.5°	7.0	6.9	7.0	7.2	7.4	7.6	7.8	8.0	8.1	8.3	8.4
95°	11.7	10.5	10.7	11.2	11.7	12.2	12.7	13.1	13.5	13.8	14.2
97.5°	14.4	11.4	12.0	13.2	14.3	15.5	16.7	16.9	17.1	17.3	17.5
100°	18.1	13.1	13.7	14.9	16.2	17.4	18.6	19.2	19.8	20.3	20.9
102.5°	78.8	78.7	72.1	58.9	45.7	32.5	19.3	20.1	20.9	21.7	22.5
105°	108.0	109.1	99.2	79.4	59.5	39.7	19.9	20.7	21.5	22.3	23.1
107.5°	129.7	130.6	118.4	93.9	69.5	45.0	20.6	21.4	22.2	23.0	23.8
110°	150.7	151.5	141.0	120.1	99.1	78.2	57.2	49.9	42.7	35.4	28.1



TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	170.8	171.5	170.9	169.6	168.4	167.1	165.9	134.6	103.3	72.0	40.7
115°	192.7	193.3	194.2	196.0	197.9	199.7	201.5	167.9	134.3	100.7	67.1
117.5°	212.9	213.6	214.2	215.4	216.7	217.9	219.1	208.7	198.3	188.0	177.6
120°	233.0	233.5	234.2	235.5	236.8	238.1	239.4	240.3	241.1	242.0	242.9
122.5°	251.5	252.1	252.8	254.3	255.8	257.2	258.7	259.1	259.5	260.0	260.4
125°	269.3	269.8	270.5	271.9	273.2	274.6	276.0	276.5	277.0	277.5	278.0
127.5°	286.6	287.1	287.6	288.7	289.8	290.9	292.0	292.7	293.4	294.1	294.8
130°	303.1	303.7	304.1	304.9	305.7	306.5	307.3	308.1	308.9	309.7	310.5
132.5°	318.6	319.1	319.5	320.3	321.1	321.9	322.7	323.3	324.0	324.6	325.3
135°	333.2	333.8	334.1	334.8	335.4	336.1	336.7	337.4	338.2	338.9	339.6
137.5°	346.4	346.8	347.2	347.9	348.6	349.4	350.1	350.8	351.6	352.3	353.0
140°	359.3	359.6	360.0	360.8	361.6	362.4	363.2	363.8	364.5	365.1	365.8
142.5°	370.7	371.0	371.5	372.4	373.4	374.3	375.3	375.9	376.5	377.0	377.6
145°	380.8	380.8	381.4	382.7	383.9	385.2	386.4	386.9	387.4	387.9	388.4
147.5°	391.0	390.9	391.5	392.8	394.0	395.3	396.5	396.9	397.2	397.6	397.9
150°	400.4	400.1	400.7	401.8	403.0	404.1	405.3	405.7	406.2	406.6	407.1
152.5°	408.9	408.6	409.1	410.2	411.3	412.4	413.5	413.9	414.3	414.8	415.2
155°	417.0	416.7	417.1	418.0	418.9	419.8	420.7	421.1	421.5	422.0	422.4
157.5°	424.2	423.9	424.2	424.9	425.6	426.2	426.9	427.4	427.9	428.4	428.9
160°	430.7	430.5	430.7	431.1	431.6	432.0	432.4	432.8	433.3	433.7	434.2
162.5°	435.9	435.7	435.9	436.2	436.6	436.9	437.3	437.8	438.3	438.8	439.3
165°	440.4	440.2	440.3	440.5	440.8	441.0	441.2	441.7	442.2	442.7	443.2
167.5°	444.0	443.8	443.9	444.1	444.4	444.6	444.8	445.3	445.8	446.3	446.8
170°	447.0	446.8	446.9	447.0	447.1	447.3	447.4	447.9	448.4	448.9	449.4
172.5°	448.9	448.7	448.8	448.9	449.1	449.2	449.4	449.9	450.4	450.9	451.4
175°	450.3	450.0	450.1	450.2	450.4	450.5	450.7	451.2	451.7	452.2	452.7
177.5°	451.0	450.7	450.7	450.8	450.9	450.9	451.0	451.5	452.0	452.5	453.0
180°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1
2.5°	1419.2	1417.1	1411.0	1413.0	1409.9	1409.9	1407.9	1407.9	1407.9	1413.0	1409.9
5°	1341.9	1334.7	1327.5	1324.4	1321.3	1318.2	1318.2	1317.2	1326.5	1324.4	1332.6
7.5°	1246.1	1244.0	1229.6	1229.6	1224.4	1222.4	1227.5	1228.5	1229.6	1231.6	1236.8
10°	1160.5	1155.4	1134.8	1136.8	1133.7	1129.6	1132.7	1130.6	1137.8	1139.9	1137.8
12.5°	1059.5	1050.2	1027.6	1016.2	1003.9	994.6	1005.9	997.7	1026.5	1034.8	1057.5
15°	925.5	908.0	892.5	892.5	881.2	873.0	878.1	887.4	893.6	902.9	907.0
17.5°	835.9	828.6	816.3	809.1	806.0	802.9	802.9	807.0	820.4	819.4	827.6
20°	759.6	755.5	749.3	740.0	736.9	734.9	734.9	734.9	744.1	752.4	757.5
22.5°	707.0	703.9	699.8	687.4	681.3	679.2	684.4	687.4	694.7	700.8	706.0
25°	654.5	647.3	640.0	635.9	632.8	632.8	634.9	635.9	639.0	642.1	648.3
27.5°	611.2	606.0	595.7	584.4	584.4	581.3	583.4	585.4	592.6	602.9	608.1
30°	562.7	561.7	557.6	553.5	549.3	547.3	551.4	554.5	555.5	560.7	560.7
32.5°	527.7	520.5	513.3	509.1	507.1	506.1	507.1	511.2	511.2	517.4	524.6
35°	492.7	488.5	481.3	474.1	472.0	466.9	471.0	475.1	482.3	485.4	488.5
37.5°	454.5	449.4	446.3	444.2	440.1	441.1	438.0	444.2	450.4	449.4	451.4
40°	425.7	416.4	407.1	406.1	405.0	404.0	404.0	405.0	409.2	413.3	419.5
42.5°	388.6	385.5	377.2	369.0	366.9	364.9	362.8	366.9	375.2	382.4	385.5
45°	350.4	346.3	344.2	338.1	333.9	332.9	330.8	336.0	343.2	346.3	348.4
47.5°	315.4	314.3	308.2	309.2	306.1	307.1	306.1	309.2	309.2	312.3	314.3
50°	291.7	288.6	285.5	283.4	280.3	280.3	279.3	280.3	284.5	288.6	287.6
52.5°	268.0	262.8	261.8	260.8	258.7	260.8	257.7	258.7	262.8	264.9	263.8
55°	240.1	239.1	237.1	235.0	234.0	232.9	232.9	232.9	237.1	240.1	241.2
57.5°	218.5	213.3	209.2	209.2	205.1	204.1	206.1	207.2	210.3	212.3	214.4
60°	188.6	186.5	180.4	177.3	171.1	170.1	170.1	174.2	179.3	186.5	188.6
62.5°	156.7	153.6	152.5	152.5	152.5	152.5	152.5	152.5	152.5	153.6	153.6
65°	139.1	140.2	139.1	138.1	139.1	139.1	138.1	138.1	138.1	139.1	140.2
67.5°	124.7	123.7	124.7	123.7	122.6	122.6	121.6	122.6	123.7	124.7	124.7
70°	108.2	108.2	107.2	108.2	107.2	106.2	105.1	105.1	107.2	108.2	108.2
72.5°	92.8	92.8	91.7	91.7	89.7	89.7	90.7	89.7	89.7	92.8	92.8
75°	77.3	76.3	75.2	75.2	74.2	74.2	74.2	73.2	75.2	75.2	76.3
77.5°	60.8	60.8	60.8	59.8	59.8	58.7	58.7	59.8	59.8	59.8	60.8
80°	46.4	46.4	46.4	45.3	44.3	44.3	44.3	44.3	44.3	45.3	44.3
82.5°	32.0	32.0	32.0	32.0	32.0	30.9	30.9	30.9	32.0	32.0	30.9
85°	19.6	18.6	19.6	19.6	18.6	19.6	18.6	18.6	17.5	17.5	18.6
87.5°	8.2	7.2	6.2	6.2	7.2	6.2	6.2	6.2	7.2	6.2	6.2
90°	8.2	8.3	8.4	8.5	8.7	8.8	8.7	8.5	8.4	8.3	8.2
92.5°	8.5	8.5	8.6	8.7	8.7	8.8	8.7	8.7	8.6	8.5	8.5
95°	14.4	14.4	14.3	14.2	14.1	14.0	14.1	14.2	14.3	14.4	14.4
97.5°	17.6	17.6	17.7	17.8	17.9	18.0	17.9	17.8	17.7	17.6	17.6
100°	21.2	21.3	21.4	21.6	21.7	21.9	21.7	21.6	21.4	21.3	21.2
102.5°	22.9	23.0	23.2	23.4	23.6	23.8	23.6	23.4	23.2	23.0	22.9
105°	23.5	23.6	23.9	24.2	24.5	24.8	24.5	24.2	23.9	23.6	23.5
107.5°	24.2	24.3	24.6	24.9	25.2	25.5	25.2	24.9	24.6	24.3	24.2
110°	24.5	24.6	24.9	25.2	25.5	25.8	25.5	25.2	24.9	24.6	24.5

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	25.1	25.2	25.4	25.7	25.9	26.1	25.9	25.7	25.4	25.2	25.1
115°	50.3	47.7	42.5	37.2	32.0	26.8	32.0	37.2	42.5	47.7	50.3
117.5°	172.4	162.9	143.9	124.9	105.9	86.9	105.9	124.9	143.9	162.9	172.4
120°	243.3	238.4	228.6	218.8	209.0	199.2	209.0	218.8	228.6	238.4	243.3
122.5°	260.6	260.6	260.7	260.8	260.8	260.9	260.8	260.8	260.7	260.6	260.6
125°	278.3	278.4	278.6	278.8	279.0	279.2	279.0	278.8	278.6	278.4	278.3
127.5°	295.2	295.2	295.3	295.4	295.5	295.6	295.5	295.4	295.3	295.2	295.2
130°	310.9	310.9	310.8	310.7	310.7	310.6	310.7	310.7	310.8	310.9	310.9
132.5°	325.6	325.6	325.5	325.4	325.4	325.3	325.4	325.4	325.5	325.6	325.6
135°	340.0	339.9	339.8	339.6	339.5	339.3	339.5	339.6	339.8	339.9	340.0
137.5°	353.4	353.3	353.1	352.8	352.6	352.4	352.6	352.8	353.1	353.3	353.4
140°	366.1	365.9	365.6	365.2	364.9	364.5	364.9	365.2	365.6	365.9	366.1
142.5°	377.9	377.7	377.3	377.0	376.6	376.2	376.6	377.0	377.3	377.7	377.9
145°	388.6	388.4	388.1	387.7	387.4	387.0	387.4	387.7	388.1	388.4	388.6
147.5°	398.1	398.0	397.7	397.4	397.1	396.8	397.1	397.4	397.7	398.0	398.1
150°	407.3	407.1	406.7	406.4	406.0	405.6	406.0	406.4	406.7	407.1	407.3
152.5°	415.4	415.1	414.6	414.1	413.6	413.1	413.6	414.1	414.6	415.1	415.4
155°	422.6	422.3	421.7	421.2	420.6	420.0	420.6	421.2	421.7	422.3	422.6
157.5°	429.1	428.8	428.2	427.7	427.1	426.5	427.1	427.7	428.2	428.8	429.1
160°	434.4	434.1	433.6	433.1	432.6	432.1	432.6	433.1	433.6	434.1	434.4
162.5°	439.6	439.3	438.6	438.0	437.3	436.7	437.3	438.0	438.6	439.3	439.6
165°	443.5	443.2	442.7	442.2	441.7	441.2	441.7	442.2	442.7	443.2	443.5
167.5°	447.1	446.8	446.1	445.5	444.8	444.2	444.8	445.5	446.1	446.8	447.1
170°	449.7	449.4	448.7	448.1	447.4	446.8	447.4	448.1	448.7	449.4	449.7
172.5°	451.7	451.4	450.7	450.0	449.4	448.7	449.4	450.0	450.7	451.4	451.7
175°	453.0	452.6	451.9	451.2	450.4	449.7	450.4	451.2	451.9	452.6	453.0
177.5°	453.3	453.0	452.3	451.7	451.0	450.4	451.0	451.7	452.3	453.0	453.3
180°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1	1483.1
2.5°	1413.0	1418.2	1416.1	1404.8	1416.1	1419.2	1425.4	1431.6	1435.7	1441.9	1447.0
5°	1324.4	1334.7	1340.9	1334.7	1355.3	1358.4	1372.8	1381.1	1393.4	1403.8	1412.0
7.5°	1240.9	1249.2	1261.5	1263.6	1275.9	1290.4	1311.0	1331.6	1351.2	1361.5	1370.8
10°	1151.2	1165.7	1184.2	1180.1	1198.7	1221.3	1243.0	1275.9	1292.4	1311.0	1327.5
12.5°	1061.6	1070.8	1095.6	1103.8	1130.6	1148.1	1178.0	1198.7	1239.9	1261.5	1275.9
15°	904.9	943.0	974.0	1011.1	1046.1	1079.1	1105.9	1143.0	1179.1	1195.6	1219.3
17.5°	833.8	851.3	869.9	888.4	933.8	992.5	1039.9	1080.1	1111.0	1132.7	1160.5
20°	759.6	777.1	797.7	815.2	843.1	885.3	944.1	1013.1	1050.2	1072.9	1099.7
22.5°	707.0	723.5	736.9	752.4	774.0	804.9	849.3	934.8	984.3	1012.1	1035.8
25°	650.3	671.0	685.4	696.7	714.2	748.3	784.3	832.8	921.4	943.0	976.0
27.5°	611.2	617.4	633.9	651.4	668.9	687.4	724.5	765.8	825.6	873.0	913.2
30°	564.8	580.3	595.7	602.9	618.4	645.2	667.9	712.2	758.6	795.7	844.1
32.5°	529.8	539.0	549.3	566.9	581.3	599.8	622.5	659.6	698.8	722.5	759.6
35°	490.6	496.8	518.4	525.6	540.1	558.6	581.3	610.1	652.4	671.0	697.8
37.5°	453.5	467.9	474.1	490.6	504.0	522.5	539.0	572.0	599.8	621.5	646.2
40°	424.6	430.8	442.2	456.6	467.9	482.3	503.0	526.7	556.6	574.1	595.7
42.5°	389.6	394.7	409.2	417.4	436.0	449.4	461.7	490.6	517.4	530.8	552.4
45°	351.5	363.8	373.1	389.6	399.9	416.4	431.8	452.5	477.2	492.7	505.0
47.5°	318.5	330.8	340.1	355.6	372.1	379.3	395.8	417.4	440.1	452.5	470.0
50°	291.7	295.8	313.3	320.5	338.1	352.5	363.8	382.4	407.1	414.3	428.8
52.5°	265.9	269.0	280.3	289.6	305.1	317.4	331.9	349.4	370.0	381.3	392.7
55°	243.2	245.3	250.4	260.8	271.1	286.5	299.9	316.4	333.9	346.3	356.6
57.5°	217.5	221.6	225.7	231.9	242.2	256.6	271.1	286.5	301.0	309.2	322.6
60°	187.6	193.8	201.0	208.2	215.4	225.7	242.2	256.6	270.0	277.2	287.6
62.5°	155.6	168.0	174.2	182.4	188.6	197.9	210.3	226.7	236.0	245.3	253.5
65°	140.2	141.2	142.2	150.5	161.8	171.1	182.4	194.8	209.2	215.4	221.6
67.5°	124.7	125.7	127.8	128.8	133.0	143.3	155.6	169.0	180.4	184.5	190.7
70°	109.2	109.2	113.4	114.4	115.4	116.5	126.8	140.2	150.5	155.6	162.8
72.5°	92.8	93.8	95.9	96.9	98.9	101.0	104.1	111.3	123.7	128.8	137.1
75°	76.3	77.3	78.3	79.4	82.5	83.5	86.6	90.7	95.9	102.0	107.2
77.5°	60.8	60.8	61.8	63.9	66.0	67.0	70.1	72.1	74.2	77.3	81.4
80°	45.3	46.4	46.4	48.4	48.4	49.5	50.5	53.6	55.7	57.7	59.8
82.5°	30.9	33.0	33.0	33.0	34.0	35.0	36.1	36.1	38.1	39.2	42.3
85°	18.6	19.6	19.6	19.6	18.6	20.6	20.6	21.6	21.6	21.6	22.7
87.5°	7.2	6.2	7.2	7.2	7.2	8.2	7.2	7.2	8.2	9.3	9.3
90°	8.0	7.6	7.3	6.9	6.5	5.9	5.3	4.8	4.2	3.9	3.5
92.5°	8.4	8.3	8.1	8.0	7.8	7.6	7.4	7.2	7.0	6.9	7.0
95°	14.2	13.8	13.5	13.1	12.7	12.2	11.7	11.2	10.7	10.5	11.7
97.5°	17.5	17.3	17.1	16.9	16.7	15.5	14.3	13.2	12.0	11.4	14.4
100°	20.9	20.3	19.8	19.2	18.6	17.4	16.2	14.9	13.7	13.1	18.1
102.5°	22.5	21.7	20.9	20.1	19.3	32.5	45.7	58.9	72.1	78.7	78.8
105°	23.1	22.3	21.5	20.7	19.9	39.7	59.5	79.4	99.2	109.1	108.0
107.5°	23.8	23.0	22.2	21.4	20.6	45.0	69.5	93.9	118.4	130.6	129.7
110°	28.1	35.4	42.7	49.9	57.2	78.2	99.1	120.1	141.0	151.5	150.7

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	40.7	72.0	103.3	134.6	165.9	167.1	168.4	169.6	170.9	171.5	170.8
115°	67.1	100.7	134.3	167.9	201.5	199.7	197.9	196.0	194.2	193.3	192.7
117.5°	177.6	188.0	198.3	208.7	219.1	217.9	216.7	215.4	214.2	213.6	212.9
120°	242.9	242.0	241.1	240.3	239.4	238.1	236.8	235.5	234.2	233.5	233.0
122.5°	260.4	260.0	259.5	259.1	258.7	257.2	255.8	254.3	252.8	252.1	251.5
125°	278.0	277.5	277.0	276.5	276.0	274.6	273.2	271.9	270.5	269.8	269.3
127.5°	294.8	294.1	293.4	292.7	292.0	290.9	289.8	288.7	287.6	287.1	286.6
130°	310.5	309.7	308.9	308.1	307.3	306.5	305.7	304.9	304.1	303.7	303.1
132.5°	325.3	324.6	324.0	323.3	322.7	321.9	321.1	320.3	319.5	319.1	318.6
135°	339.6	338.9	338.2	337.4	336.7	336.1	335.4	334.8	334.1	333.8	333.2
137.5°	353.0	352.3	351.6	350.8	350.1	349.4	348.6	347.9	347.2	346.8	346.4
140°	365.8	365.1	364.5	363.8	363.2	362.4	361.6	360.8	360.0	359.6	359.3
142.5°	377.6	377.0	376.5	375.9	375.3	374.3	373.4	372.4	371.5	371.0	370.7
145°	388.4	387.9	387.4	386.9	386.4	385.2	383.9	382.7	381.4	380.8	380.8
147.5°	397.9	397.6	397.2	396.9	396.5	395.3	394.0	392.8	391.5	390.9	391.0
150°	407.1	406.6	406.2	405.7	405.3	404.1	403.0	401.8	400.7	400.1	400.4
152.5°	415.2	414.8	414.3	413.9	413.5	412.4	411.3	410.2	409.1	408.6	408.9
155°	422.4	422.0	421.5	421.1	420.7	419.8	418.9	418.0	417.1	416.7	417.0
157.5°	428.9	428.4	427.9	427.4	426.9	426.2	425.6	424.9	424.2	423.9	424.2
160°	434.2	433.7	433.3	432.8	432.4	432.0	431.6	431.1	430.7	430.5	430.7
162.5°	439.3	438.8	438.3	437.8	437.3	436.9	436.6	436.2	435.9	435.7	435.9
165°	443.2	442.7	442.2	441.7	441.2	441.0	440.8	440.5	440.3	440.2	440.4
167.5°	446.8	446.3	445.8	445.3	444.8	444.6	444.4	444.1	443.9	443.8	444.0
170°	449.4	448.9	448.4	447.9	447.4	447.3	447.1	447.0	446.9	446.8	447.0
172.5°	451.4	450.9	450.4	449.9	449.4	449.2	449.1	448.9	448.8	448.7	448.9
175°	452.7	452.2	451.7	451.2	450.7	450.5	450.4	450.2	450.1	450.0	450.3
177.5°	453.0	452.5	452.0	451.5	451.0	450.9	450.9	450.8	450.7	450.7	451.0
180°	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4	451.4

TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1483.1	1483.1	1483.1	1483.1
2.5°	1456.3	1453.2	1471.8	1492.4
5°	1426.4	1431.6	1455.3	1484.1
7.5°	1395.5	1406.8	1434.7	1472.8
10°	1352.2	1372.8	1415.1	1454.3
12.5°	1310.0	1337.8	1378.0	1424.4
15°	1262.6	1293.5	1342.9	1398.6
17.5°	1210.0	1245.0	1302.7	1363.6
20°	1154.3	1200.7	1261.5	1327.5
22.5°	1092.5	1148.1	1211.0	1284.2
25°	1032.7	1093.5	1156.4	1240.9
27.5°	974.0	1033.7	1103.8	1189.4
30°	915.2	969.8	1045.1	1136.8
32.5°	852.4	909.0	988.4	1082.2
35°	794.6	851.3	925.5	1018.3
37.5°	732.8	793.6	864.7	960.6
40°	660.6	731.8	800.8	892.5
42.5°	600.9	676.1	743.1	829.7
45°	553.5	624.6	680.2	764.7
47.5°	509.1	566.9	623.5	701.9
50°	466.9	511.2	570.0	640.0
52.5°	423.6	461.7	512.2	578.2
55°	384.4	420.5	465.9	516.4
57.5°	348.4	374.1	419.5	464.8
60°	308.2	335.0	370.0	408.1
62.5°	274.2	294.8	327.7	359.7
65°	238.1	257.7	282.4	312.3
67.5°	205.1	222.6	242.2	265.9
70°	175.2	188.6	203.0	223.7
72.5°	143.3	157.7	171.1	187.6
75°	117.5	123.7	135.0	146.4
77.5°	90.7	98.9	105.1	114.4
80°	64.9	72.1	74.2	81.4
82.5°	43.3	47.4	51.5	53.6
85°	24.7	26.8	30.9	32.0
87.5°	9.3	10.3	12.4	14.4
90°	2.7	1.9	1.1	0.3
92.5°	7.3	7.6	7.9	8.2
95°	14.1	16.4	18.8	21.2
97.5°	20.3	26.3	32.2	38.2
100°	28.0	37.9	47.9	57.8
102.5°	78.9	79.1	79.2	79.4
105°	105.8	103.7	101.5	99.3
107.5°	127.9	126.1	124.3	122.5
110°	149.2	147.7	146.2	144.7



TEST NUMBER: P999909

CATALOG NUMBER: SA2XXRDIP-B675D330UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	169.5	168.2	166.9	165.6
115°	191.5	190.2	189.0	187.8
117.5°	211.4	210.0	208.5	207.1
120°	231.9	230.8	229.7	228.6
122.5°	250.4	249.2	248.1	246.9
125°	268.4	267.4	266.5	265.5
127.5°	285.6	284.5	283.5	282.5
130°	302.0	300.8	299.7	298.5
132.5°	317.7	316.7	315.8	314.8
135°	332.1	330.9	329.8	328.6
137.5°	345.5	344.6	343.8	342.9
140°	358.7	358.2	357.6	357.0
142.5°	370.2	369.7	369.2	368.7
145°	380.9	381.0	381.0	381.1
147.5°	391.2	391.5	391.7	391.9
150°	400.9	401.4	401.9	402.4
152.5°	409.5	410.0	410.6	411.2
155°	417.7	418.4	419.0	419.7
157.5°	424.8	425.3	425.9	426.5
160°	431.1	431.6	432.0	432.4
162.5°	436.3	436.8	437.2	437.6
165°	440.9	441.3	441.8	442.2
167.5°	444.5	444.9	445.4	445.8
170°	447.4	447.9	448.3	448.7
172.5°	449.4	449.8	450.3	450.7
175°	450.8	451.3	451.8	452.3
177.5°	451.5	452.0	452.5	453.0
180°	451.4	451.4	451.4	451.4

(END OF REPORT)