

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: P999990

Luminaire Tested: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999990
REPORT IS A COMBINATION OF REPORTS P988547 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K
Description: Define 2 Regressed Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865}
{m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

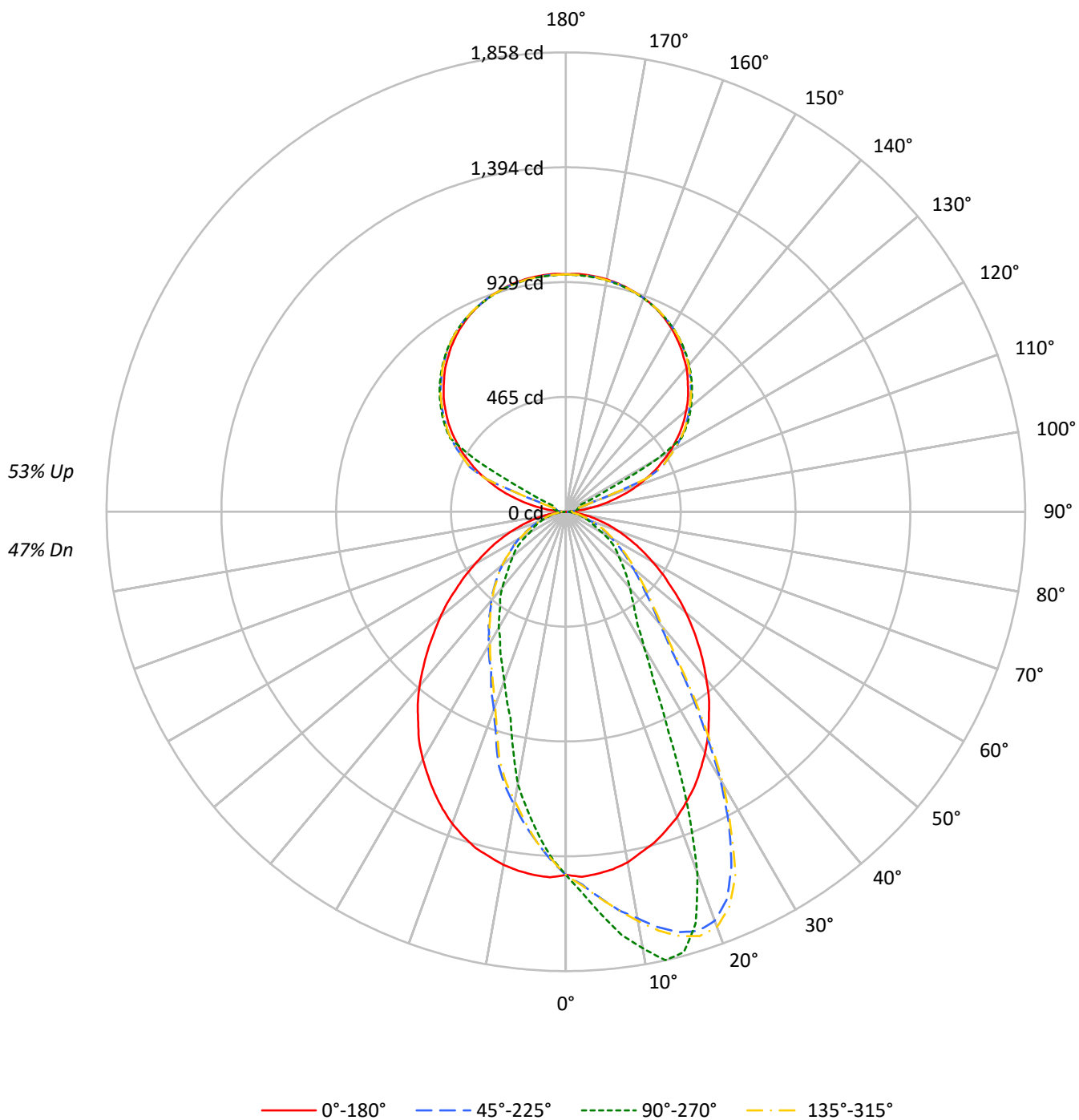
Lumens per Lamp: N/A
Luminaire Lumens: 5354.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 57
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: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54
1	98	94	90	87	90	87	84	81	73	71	69	60	59	57	49	48	47
2	90	83	77	72	82	77	72	68	65	61	58	54	51	49	44	42	41
3	82	74	67	61	76	68	62	57	58	53	50	48	45	43	40	37	36
4	76	66	58	53	70	61	54	49	52	47	43	44	40	37	36	33	31
5	70	59	51	46	64	55	48	43	47	42	38	40	36	33	33	30	28
6	65	53	46	40	60	50	43	38	43	37	34	36	32	29	30	27	25
7	60	48	41	36	55	45	38	34	39	34	30	33	29	26	28	25	23
8	56	44	37	32	52	41	35	30	36	31	27	31	27	24	26	23	21
9	52	41	33	29	48	38	32	27	33	28	24	28	24	22	24	21	19
10	49	37	30	26	45	35	29	25	31	26	22	26	22	20	22	19	17

AVERAGE LUMINANCE (cd/sqm):

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

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 21267 cd/sqm

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	2.6
10°-20°	388.8	7.3
20°-30°	500.4	9.3
30°-40°	474.7	8.9
40°-50°	406.9	7.6
50°-60°	309.9	5.8
60°-70°	195.4	3.6
70°-80°	97.5	1.8
80°-90°	26.8	0.5
90°-100°	31.7	0.6
100°-110°	118.0	2.2
110°-120°	313.0	5.8
120°-130°	519.1	9.7
130°-140°	551.4	10.3
140°-150°	512.4	9.6
150°-160°	412.0	7.7
160°-170°	265.5	5.0
170°-180°	91.4	1.7
0°-30°	1028.6	19.2
0°-40°	1503.3	28.1
0°-60°	2220.0	41.5
0°-90°	2539.7	47.4
90°-120°	462.7	8.6
90°-150°	2045.5	38.2
90°-180°	2814.0	52.6
0°-180°	5354.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1469	1469	1469	1469	1469	
5°	1470	1634	1475	1305	1470	139
15°	1385	1844	1408	864	1385	390
25°	1229	984	1255	627	1229	564
35°	1008	485	1041	462	1008	631
45°	757	337	789	330	757	585
55°	511	234	539	231	511	461
65°	309	122	328	138	309	307
75°	145	64	158	74	145	157
85°	32	18	35	19	32	36
90°	1	19	1	19	1	5
95°	45	30	45	30	45	53
105°	211	53	211	53	211	226
115°	399	57	399	57	399	393
125°	565	594	565	594	565	504
135°	699	722	699	722	699	540
145°	811	823	811	823	811	507
155°	893	893	893	893	893	411
165°	940	938	940	938	940	266
175°	962	956	962	956	962	92
180°	960	960	960	960	960	

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1477.8	1484.0	1487.0	1491.1	1500.3	1506.4	1515.6	1517.6	1516.6	1520.7	1509.5
5°	1469.7	1482.9	1495.2	1505.4	1521.7	1531.9	1543.1	1556.4	1559.5	1574.8	1565.6
7.5°	1458.4	1477.8	1495.2	1515.6	1540.1	1553.4	1570.7	1591.1	1600.3	1618.7	1623.8
10°	1440.1	1467.6	1497.2	1518.7	1552.3	1575.8	1592.1	1624.8	1646.2	1673.8	1669.7
12.5°	1410.5	1446.2	1486.0	1521.7	1565.6	1580.9	1611.5	1645.2	1672.8	1698.3	1720.7
15°	1385.0	1425.8	1469.7	1513.6	1563.6	1592.1	1622.8	1666.6	1696.2	1741.1	1760.5
17.5°	1350.3	1402.3	1454.4	1503.3	1562.5	1595.2	1633.0	1675.8	1719.7	1762.6	1777.9
20°	1314.5	1370.7	1426.8	1493.1	1560.5	1592.1	1630.9	1684.0	1726.9	1760.5	1760.5
22.5°	1271.7	1340.0	1404.3	1467.6	1541.1	1587.0	1626.8	1689.1	1719.7	1726.9	1699.3
25°	1228.8	1297.2	1367.6	1446.2	1529.9	1570.7	1615.6	1673.8	1684.0	1655.4	1584.0
27.5°	1177.8	1254.3	1333.9	1418.6	1506.4	1557.4	1598.3	1637.0	1617.7	1541.1	1429.9
30°	1125.7	1208.4	1298.2	1378.8	1485.0	1531.9	1566.6	1577.8	1516.6	1392.1	1248.2
32.5°	1071.6	1152.3	1247.2	1344.1	1451.3	1496.2	1518.7	1489.1	1376.8	1219.6	1044.1
35°	1008.4	1099.2	1198.2	1299.2	1405.4	1439.0	1452.3	1379.9	1235.9	1032.8	858.3
37.5°	951.2	1042.0	1148.2	1251.3	1354.3	1372.7	1359.4	1246.2	1063.5	862.4	692.0
40°	883.8	980.8	1084.9	1200.2	1284.9	1290.0	1257.4	1110.4	883.8	695.0	589.9
42.5°	821.6	919.6	1023.7	1141.0	1205.3	1188.0	1144.1	951.2	737.9	599.1	514.4
45°	757.3	850.2	962.4	1066.5	1112.5	1071.6	1005.3	800.2	619.5	515.4	450.1
47.5°	695.0	781.8	893.0	993.0	1001.2	955.3	876.7	670.5	536.8	453.1	400.1
50°	633.8	720.5	824.6	907.3	899.1	835.9	747.1	582.8	466.4	400.1	356.2
52.5°	572.6	651.1	752.2	817.5	782.8	721.6	633.8	494.0	407.2	349.0	315.4
55°	511.3	584.8	671.6	725.6	670.5	600.1	537.9	423.5	353.1	306.2	280.7
57.5°	460.3	518.5	598.1	630.7	564.4	509.3	455.2	364.4	306.2	272.5	242.9
60°	404.2	457.2	522.5	541.9	473.6	428.7	382.7	308.2	262.3	232.7	213.3
62.5°	356.2	400.1	450.1	450.1	389.9	356.2	321.5	258.2	220.4	197.0	187.8
65°	309.2	340.9	376.6	372.5	321.5	291.9	264.3	213.3	184.7	168.4	159.2
67.5°	263.3	287.8	311.3	297.0	260.3	234.7	209.2	172.5	153.1	141.9	129.6
70°	221.5	240.9	253.1	239.8	203.1	181.7	163.3	138.8	123.5	109.2	102.1
72.5°	185.7	193.9	198.0	181.7	151.0	138.8	125.5	108.2	94.9	87.8	85.7
75°	144.9	152.1	149.0	136.8	111.2	102.1	91.9	79.6	76.5	72.5	70.4
77.5°	113.3	113.3	108.2	97.0	79.6	72.5	68.4	62.3	59.2	58.2	56.1
80°	80.6	79.6	76.5	64.3	54.1	50.0	50.0	45.9	44.9	42.9	42.9
82.5°	53.1	53.1	49.0	38.8	35.7	34.7	33.7	31.6	31.6	30.6	30.6
85°	31.6	29.6	24.5	21.4	20.4	20.4	19.4	18.4	19.4	18.4	18.4
87.5°	14.3	11.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
90°	0.7	2.4	4.1	5.8	7.5	8.3	8.9	10.2	11.4	12.7	13.9
92.5°	17.4	16.8	16.2	15.5	14.9	14.6	14.8	15.3	15.8	16.2	16.7
95°	45.2	40.1	35.0	29.9	24.8	22.2	22.7	23.8	24.9	26.0	27.1
97.5°	81.3	68.6	56.0	43.3	30.6	24.3	25.5	28.0	30.5	32.9	35.4
100°	122.9	101.8	80.6	59.5	38.4	27.8	29.1	31.7	34.4	37.0	39.6
102.5°	168.8	168.5	168.2	167.9	167.6	167.4	153.4	125.3	97.2	69.1	41.0
105°	211.2	215.8	220.4	225.1	229.7	232.0	210.9	168.8	126.7	84.5	42.4
107.5°	260.5	264.4	268.2	272.1	276.0	277.9	251.9	199.9	147.8	95.8	43.8
110°	307.7	310.9	314.2	317.4	320.7	322.3	300.0	255.4	210.8	166.2	121.6

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	352.2	355.0	357.8	360.5	363.3	364.7	363.4	360.8	358.1	355.5	352.9
115°	399.4	402.0	404.6	407.3	409.9	411.2	413.1	417.0	420.9	424.7	428.6
117.5°	440.4	443.5	446.6	449.7	452.8	454.3	455.6	458.2	460.9	463.5	466.1
120°	486.2	488.5	490.9	493.2	495.5	496.7	498.1	500.9	503.6	506.4	509.2
122.5°	525.1	527.6	530.1	532.6	535.1	536.3	537.8	540.9	544.0	547.0	550.1
125°	564.7	566.7	568.7	570.8	572.8	573.8	575.3	578.2	581.1	584.1	587.0
127.5°	600.9	603.1	605.2	607.4	609.5	610.6	611.8	614.1	616.4	618.7	621.0
130°	634.9	637.4	639.8	642.3	644.8	646.0	646.8	648.5	650.2	651.9	653.6
132.5°	669.6	671.6	673.6	675.7	677.7	678.7	679.5	681.2	682.9	684.6	686.3
135°	698.8	701.3	703.7	706.2	708.7	709.9	710.6	712.0	713.4	714.8	716.2
137.5°	729.4	731.2	733.1	734.9	736.8	737.7	738.5	740.0	741.5	743.1	744.6
140°	759.2	760.4	761.7	762.9	764.2	764.8	765.6	767.3	769.0	770.7	772.4
142.5°	784.2	785.3	786.4	787.5	788.6	789.1	790.1	792.1	794.1	796.1	798.1
145°	810.6	810.4	810.3	810.1	810.0	809.9	811.2	813.8	816.5	819.1	821.7
147.5°	833.6	833.1	832.7	832.2	831.7	831.5	832.8	835.4	838.1	840.7	843.3
150°	855.8	854.7	853.6	852.5	851.4	850.9	852.1	854.6	857.1	859.5	862.0
152.5°	874.5	873.3	872.1	870.8	869.6	869.0	870.2	872.5	874.8	877.1	879.4
155°	892.6	891.2	889.8	888.4	887.0	886.3	887.2	889.1	891.0	892.8	894.7
157.5°	907.2	906.0	904.7	903.5	902.2	901.6	902.3	903.7	905.1	906.5	907.9
160°	919.7	918.8	917.8	916.9	916.0	915.5	916.0	916.9	917.8	918.8	919.7
162.5°	930.8	929.9	928.9	928.0	927.1	926.6	927.0	927.8	928.5	929.3	930.1
165°	940.5	939.6	938.7	937.8	936.9	936.4	936.6	937.1	937.5	938.0	938.4
167.5°	948.2	947.3	946.3	945.4	944.5	944.0	944.2	944.7	945.2	945.6	946.1
170°	954.4	953.5	952.6	951.7	950.8	950.3	950.4	950.7	951.0	951.3	951.6
172.5°	958.6	957.7	956.7	955.8	954.9	954.4	954.6	954.9	955.2	955.5	955.8
175°	962.1	961.0	959.9	958.8	957.7	957.2	957.4	957.7	958.0	958.3	958.6
177.5°	963.4	962.3	961.3	960.2	959.1	958.6	958.7	958.8	959.0	959.1	959.3
180°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1520.7	1522.7	1525.8	1540.1	1542.1	1546.2	1544.2	1544.2	1545.2	1543.1	1544.2
5°	1586.0	1589.1	1604.4	1621.7	1625.8	1621.7	1626.8	1634.0	1634.0	1634.0	1631.9
7.5°	1647.2	1658.5	1675.8	1701.3	1706.4	1711.5	1720.7	1714.6	1716.7	1725.8	1722.8
10°	1706.4	1722.8	1742.2	1763.6	1774.8	1782.0	1786.1	1795.2	1816.7	1792.2	1801.4
12.5°	1762.6	1786.1	1806.5	1829.9	1838.1	1847.3	1850.3	1858.5	1858.5	1857.5	1864.6
15°	1799.3	1820.8	1839.1	1854.4	1856.5	1854.4	1852.4	1853.4	1856.5	1844.2	1851.4
17.5°	1807.5	1809.5	1815.6	1809.5	1810.5	1789.1	1776.9	1773.8	1745.2	1746.2	1769.7
20°	1767.7	1733.0	1723.8	1690.1	1669.7	1614.6	1612.5	1597.2	1537.0	1555.4	1551.3
22.5°	1658.5	1599.3	1520.7	1481.9	1462.5	1404.3	1359.4	1327.8	1306.4	1284.9	1275.8
25°	1514.6	1418.6	1307.4	1230.8	1219.6	1165.5	1082.9	1044.1	998.1	983.9	1008.4
27.5°	1328.8	1204.3	1078.8	961.4	940.0	891.0	849.1	821.6	768.5	765.5	767.5
30°	1076.7	951.2	846.1	769.5	716.5	694.0	666.5	646.0	624.6	632.8	634.8
32.5°	884.9	765.5	667.5	626.6	602.2	587.9	564.4	551.1	541.9	538.9	537.9
35°	703.2	623.6	579.7	539.9	525.6	515.4	498.1	491.9	483.8	484.8	484.8
37.5°	602.2	535.8	503.2	482.7	469.5	464.4	453.1	447.0	441.9	439.9	442.9
40°	519.5	473.6	453.1	434.8	423.5	421.5	415.4	408.2	402.1	403.1	406.2
42.5°	459.3	432.7	408.2	394.0	385.8	382.7	377.6	372.5	372.5	369.5	368.4
45°	411.3	389.9	369.5	356.2	351.1	347.0	340.9	339.9	335.8	336.8	337.8
47.5°	368.4	351.1	335.8	322.5	317.4	316.4	310.3	306.2	306.2	305.2	304.1
50°	329.7	312.3	299.0	291.9	284.7	282.7	281.7	280.7	278.6	278.6	279.6
52.5°	298.0	280.7	270.5	264.3	260.3	258.2	258.2	257.2	257.2	257.2	256.2
55°	263.3	249.0	240.9	238.8	236.8	235.8	234.7	232.7	231.7	233.7	231.7
57.5°	230.7	225.6	218.4	216.4	211.3	211.3	208.2	206.2	204.1	206.2	206.2
60°	205.1	198.0	193.9	187.8	183.7	179.6	174.5	173.5	171.5	170.4	169.4
62.5°	178.6	172.5	162.3	153.1	147.0	142.9	140.8	139.8	139.8	138.8	138.8
65°	149.0	134.7	129.6	126.6	125.5	124.5	122.5	121.5	122.5	121.5	122.5
67.5°	116.3	114.3	111.2	109.2	108.2	107.2	107.2	106.1	106.1	106.1	106.1
70°	101.0	95.9	94.9	92.9	92.9	91.9	91.9	91.9	91.9	90.8	92.9
72.5°	83.7	80.6	79.6	78.6	78.6	78.6	77.6	77.6	77.6	76.5	77.6
75°	68.4	67.4	65.3	65.3	64.3	65.3	64.3	64.3	63.3	64.3	64.3
77.5°	55.1	54.1	53.1	53.1	52.1	52.1	52.1	52.1	52.1	52.1	53.1
80°	41.8	40.8	39.8	40.8	39.8	40.8	39.8	39.8	40.8	39.8	39.8
82.5°	30.6	29.6	29.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
85°	18.4	17.4	17.4	18.4	17.4	18.4	17.4	17.4	17.4	18.4	18.4
87.5°	8.2	9.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.2
90°	14.7	15.5	16.2	17.0	17.4	17.6	17.9	18.2	18.5	18.8	18.5
92.5°	17.0	17.3	17.6	17.9	18.1	18.2	18.3	18.5	18.6	18.8	18.6
95°	27.9	28.7	29.4	30.2	30.6	30.5	30.4	30.2	30.1	29.9	30.1
97.5°	35.9	36.3	36.8	37.3	37.5	37.6	37.7	37.9	38.0	38.2	38.0
100°	40.8	42.1	43.3	44.6	45.2	45.3	45.6	45.9	46.2	46.5	46.2
102.5°	42.7	44.4	46.1	47.8	48.6	48.8	49.3	49.8	50.2	50.7	50.2
105°	44.1	45.8	47.5	49.2	50.0	50.3	50.9	51.6	52.2	52.8	52.2
107.5°	45.5	47.2	48.9	50.6	51.4	51.7	52.3	53.0	53.6	54.2	53.6
110°	106.2	90.7	75.3	59.8	52.1	52.4	53.0	53.7	54.3	54.9	54.3

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	286.4	219.8	153.3	86.8	53.5	53.7	54.2	54.7	55.1	55.6	55.1
115°	357.1	285.7	214.2	142.7	107.0	101.4	90.3	79.2	68.1	57.0	68.1
117.5°	444.0	422.0	399.9	377.8	366.8	346.6	306.1	265.7	225.2	184.8	225.2
120°	511.0	512.9	514.7	516.6	517.5	507.1	486.2	465.4	444.5	423.7	444.5
122.5°	551.0	552.0	552.9	553.8	554.3	554.4	554.5	554.7	554.8	555.0	554.8
125°	588.1	589.1	590.2	591.3	591.8	592.0	592.5	593.0	593.4	593.9	593.4
127.5°	622.5	624.1	625.6	627.1	627.9	628.0	628.1	628.3	628.4	628.6	628.4
130°	655.3	657.0	658.7	660.4	661.3	661.2	661.1	660.9	660.8	660.6	660.8
132.5°	687.7	689.1	690.4	691.8	692.5	692.4	692.3	692.1	692.0	691.8	692.0
135°	717.7	719.3	720.8	722.3	723.1	722.9	722.6	722.3	722.0	721.7	722.0
137.5°	746.2	747.7	749.3	750.8	751.6	751.4	750.9	750.4	750.0	749.5	750.0
140°	773.8	775.2	776.6	778.0	778.7	778.3	777.5	776.8	776.0	775.2	776.0
142.5°	799.3	800.6	801.8	803.1	803.7	803.3	802.5	801.8	801.0	800.2	801.0
145°	822.8	823.9	825.0	826.1	826.6	826.2	825.4	824.7	823.9	823.1	823.9
147.5°	844.1	844.9	845.6	846.4	846.8	846.5	845.9	845.2	844.6	844.0	844.6
150°	862.9	863.9	864.8	865.7	866.2	865.8	865.0	864.3	863.5	862.7	863.5
152.5°	880.3	881.3	882.2	883.1	883.6	883.1	882.0	880.9	879.8	878.7	879.8
155°	895.6	896.5	897.4	898.3	898.8	898.2	897.0	895.7	894.5	893.3	894.5
157.5°	909.0	910.0	911.1	912.2	912.7	912.1	910.9	909.6	908.4	907.2	908.4
160°	920.6	921.6	922.5	923.4	923.9	923.4	922.3	921.2	920.1	919.0	920.1
162.5°	931.2	932.3	933.4	934.5	935.0	934.3	932.9	931.5	930.1	928.7	930.1
165°	939.5	940.6	941.7	942.8	943.3	942.8	941.7	940.6	939.5	938.4	939.5
167.5°	947.2	948.2	949.3	950.4	950.9	950.2	948.8	947.5	946.1	944.7	946.1
170°	952.7	953.8	954.9	956.0	956.5	955.8	954.4	953.1	951.7	950.3	951.7
172.5°	956.9	958.0	959.1	960.2	960.7	960.0	958.6	957.2	955.8	954.4	955.8
175°	959.7	960.7	961.8	962.9	963.4	962.6	961.1	959.6	958.0	956.5	958.0
177.5°	960.4	961.4	962.5	963.6	964.1	963.4	962.0	960.7	959.3	957.9	959.3
180°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1548.3	1541.1	1539.1	1541.1	1539.1	1540.1	1532.9	1506.4	1513.6	1502.3	1508.4
5°	1636.0	1629.9	1616.6	1614.6	1612.5	1610.5	1600.3	1576.8	1567.6	1552.3	1551.3
7.5°	1719.7	1719.7	1709.5	1702.4	1693.2	1686.0	1672.8	1638.1	1623.8	1605.4	1595.2
10°	1802.4	1775.8	1787.1	1779.9	1757.5	1753.4	1728.9	1708.5	1680.9	1662.6	1646.2
12.5°	1861.6	1853.4	1843.2	1837.1	1831.0	1817.7	1801.4	1749.3	1735.0	1698.3	1679.9
15°	1859.5	1854.4	1857.5	1857.5	1855.5	1852.4	1839.1	1801.4	1776.9	1741.1	1709.5
17.5°	1759.5	1772.8	1786.1	1795.2	1815.6	1824.8	1837.1	1814.6	1799.3	1768.7	1735.0
20°	1585.0	1617.7	1656.4	1664.6	1683.0	1737.1	1761.6	1780.9	1787.1	1776.9	1749.3
22.5°	1342.1	1369.6	1463.5	1461.5	1488.0	1552.3	1623.8	1682.0	1727.9	1753.4	1743.2
25°	1051.2	1090.0	1140.0	1177.8	1264.5	1360.5	1449.3	1542.1	1621.7	1692.2	1709.5
27.5°	795.0	846.1	885.9	935.9	979.8	1093.1	1207.4	1352.3	1445.2	1578.9	1648.3
30°	643.0	666.5	706.3	729.7	751.2	837.9	967.5	1110.4	1273.7	1427.8	1547.2
32.5°	549.1	565.4	595.0	605.2	627.7	685.8	767.5	898.1	1066.5	1253.3	1410.5
35°	493.0	510.3	516.4	525.6	544.0	580.7	636.9	731.8	883.8	1066.5	1254.3
37.5°	445.0	454.2	471.5	477.6	483.8	511.3	549.1	615.4	716.5	866.5	1074.7
40°	411.3	416.4	425.6	430.7	434.8	454.2	487.8	532.8	607.3	721.6	913.4
42.5°	375.6	381.7	387.8	394.0	399.1	414.4	434.8	477.6	527.7	614.4	753.2
45°	340.9	345.0	352.1	356.2	363.3	375.6	394.0	423.5	468.5	523.6	635.8
47.5°	309.2	314.3	317.4	322.5	327.6	340.9	358.2	377.6	414.4	468.5	550.1
50°	280.7	286.8	290.9	291.9	296.0	308.2	322.5	343.9	367.4	409.3	480.7
52.5°	260.3	261.3	264.3	268.4	267.4	274.5	287.8	304.1	328.6	362.3	414.4
55°	236.8	239.8	241.9	242.9	242.9	249.0	256.2	271.5	290.9	318.4	362.3
57.5°	207.2	210.2	216.4	218.4	221.5	224.5	227.6	237.8	254.1	280.7	316.4
60°	176.6	178.6	184.7	188.8	190.9	199.0	203.1	211.3	220.4	239.8	273.5
62.5°	141.9	143.9	147.0	151.0	155.1	167.4	177.6	185.7	192.9	206.2	233.7
65°	123.5	124.5	126.6	127.6	128.6	133.7	142.9	154.1	167.4	177.6	193.9
67.5°	107.2	108.2	109.2	111.2	112.3	113.3	117.4	120.4	133.7	148.0	160.2
70°	91.9	93.9	94.9	94.9	95.9	98.0	100.0	104.1	108.2	115.3	130.6
72.5°	77.6	78.6	80.6	80.6	80.6	82.7	84.7	86.8	88.8	92.9	99.0
75°	64.3	66.3	66.3	66.3	67.4	67.4	69.4	71.4	73.5	76.5	78.6
77.5°	53.1	53.1	53.1	53.1	54.1	54.1	55.1	57.2	58.2	59.2	61.2
80°	39.8	40.8	40.8	40.8	41.8	41.8	41.8	43.9	44.9	44.9	46.9
82.5°	29.6	29.6	29.6	30.6	29.6	30.6	30.6	31.6	30.6	31.6	32.7
85°	18.4	18.4	18.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	20.4
87.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	10.2	9.2	9.2
90°	18.2	17.9	17.6	17.4	17.0	16.2	15.5	14.7	13.9	12.7	11.4
92.5°	18.5	18.3	18.2	18.1	17.9	17.6	17.3	17.0	16.7	16.2	15.8
95°	30.2	30.4	30.5	30.6	30.2	29.4	28.7	27.9	27.1	26.0	24.9
97.5°	37.9	37.7	37.6	37.5	37.3	36.8	36.3	35.9	35.4	32.9	30.5
100°	45.9	45.6	45.3	45.2	44.6	43.3	42.1	40.8	39.6	37.0	34.4
102.5°	49.8	49.3	48.8	48.6	47.8	46.1	44.4	42.7	41.0	39.1	37.2
105°	51.6	50.9	50.3	50.0	49.2	47.5	45.8	44.1	42.4	40.5	38.6
107.5°	53.0	52.3	51.7	51.4	50.6	48.9	47.2	45.5	43.8	42.1	40.4
110°	53.7	53.0	52.4	52.1	51.8	51.1	50.4	49.7	49.0	48.3	47.6

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	54.7	54.2	53.7	53.5	86.8	153.3	219.8	286.4	352.9	355.5	358.1
115°	79.2	90.3	101.4	107.0	142.7	214.2	285.7	357.1	428.6	424.7	420.9
117.5°	265.7	306.1	346.6	366.8	377.8	399.9	422.0	444.0	466.1	463.5	460.9
120°	465.4	486.2	507.1	517.5	516.6	514.7	512.9	511.0	509.2	506.4	503.6
122.5°	554.7	554.5	554.4	554.3	553.8	552.9	552.0	551.0	550.1	547.0	544.0
125°	593.0	592.5	592.0	591.8	591.3	590.2	589.1	588.1	587.0	584.1	581.1
127.5°	628.3	628.1	628.0	627.9	627.1	625.6	624.1	622.5	621.0	618.7	616.4
130°	660.9	661.1	661.2	661.3	660.4	658.7	657.0	655.3	653.6	651.9	650.2
132.5°	692.1	692.3	692.4	692.5	691.8	690.4	689.1	687.7	686.3	684.6	682.9
135°	722.3	722.6	722.9	723.1	722.3	720.8	719.3	717.7	716.2	714.8	713.4
137.5°	750.4	750.9	751.4	751.6	750.8	749.3	747.7	746.2	744.6	743.1	741.5
140°	776.8	777.5	778.3	778.7	778.0	776.6	775.2	773.8	772.4	770.7	769.0
142.5°	801.8	802.5	803.3	803.7	803.1	801.8	800.6	799.3	798.1	796.1	794.1
145°	824.7	825.4	826.2	826.6	826.1	825.0	823.9	822.8	821.7	819.1	816.5
147.5°	845.2	845.9	846.5	846.8	846.4	845.6	844.9	844.1	843.3	840.7	838.1
150°	864.3	865.0	865.8	866.2	865.7	864.8	863.9	862.9	862.0	859.5	857.1
152.5°	880.9	882.0	883.1	883.6	883.1	882.2	881.3	880.3	879.4	877.1	874.8
155°	895.7	897.0	898.2	898.8	898.3	897.4	896.5	895.6	894.7	892.8	891.0
157.5°	909.6	910.9	912.1	912.7	912.2	911.1	910.0	909.0	907.9	906.5	905.1
160°	921.2	922.3	923.4	923.9	923.4	922.5	921.6	920.6	919.7	918.8	917.8
162.5°	931.5	932.9	934.3	935.0	934.5	933.4	932.3	931.2	930.1	929.3	928.5
165°	940.6	941.7	942.8	943.3	942.8	941.7	940.6	939.5	938.4	938.0	937.5
167.5°	947.5	948.8	950.2	950.9	950.4	949.3	948.2	947.2	946.1	945.6	945.2
170°	953.1	954.4	955.8	956.5	956.0	954.9	953.8	952.7	951.6	951.3	951.0
172.5°	957.2	958.6	960.0	960.7	960.2	959.1	958.0	956.9	955.8	955.5	955.2
175°	959.6	961.1	962.6	963.4	962.9	961.8	960.7	959.7	958.6	958.3	958.0
177.5°	960.7	962.0	963.4	964.1	963.6	962.5	961.4	960.4	959.3	959.1	959.0
180°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1499.3	1494.2	1494.2	1491.1	1491.1	1474.8	1474.8	1479.9	1473.7	1466.6	1456.4
5°	1538.0	1526.8	1523.8	1519.7	1506.4	1486.0	1477.8	1474.8	1462.5	1447.2	1429.9
7.5°	1574.8	1556.4	1547.2	1538.0	1520.7	1492.1	1475.8	1464.6	1446.2	1422.7	1400.3
10°	1610.5	1587.0	1563.6	1552.3	1527.8	1492.1	1468.6	1450.3	1423.7	1392.1	1360.5
12.5°	1643.2	1594.2	1590.1	1567.6	1531.9	1491.1	1455.4	1428.8	1395.2	1358.4	1321.7
15°	1671.7	1621.7	1597.2	1576.8	1529.9	1478.9	1441.1	1408.4	1363.5	1321.7	1276.8
17.5°	1686.0	1631.9	1615.6	1581.9	1534.0	1467.6	1416.6	1376.8	1327.8	1277.8	1226.8
20°	1700.3	1637.0	1610.5	1587.0	1521.7	1446.2	1389.0	1343.1	1289.0	1229.8	1173.7
22.5°	1707.5	1637.0	1605.4	1572.7	1509.5	1422.7	1355.4	1301.3	1238.0	1177.8	1110.4
25°	1695.2	1630.9	1593.2	1559.5	1488.0	1394.1	1316.6	1255.3	1188.0	1119.6	1051.2
27.5°	1664.6	1616.6	1572.7	1538.0	1458.4	1357.4	1275.8	1206.4	1136.9	1060.4	991.0
30°	1607.4	1586.0	1551.3	1512.5	1425.8	1324.7	1227.8	1156.3	1079.8	1003.3	930.8
32.5°	1518.7	1537.0	1514.6	1480.9	1387.0	1279.8	1176.8	1104.3	1020.6	937.9	871.6
35°	1410.5	1475.8	1463.5	1440.1	1346.2	1231.9	1128.8	1041.0	957.3	873.6	807.3
37.5°	1292.1	1391.1	1401.3	1387.0	1299.2	1182.9	1069.6	983.9	898.1	813.4	746.1
40°	1129.8	1281.9	1314.5	1320.7	1250.2	1123.7	1005.3	921.6	836.9	754.2	672.6
42.5°	980.8	1172.7	1213.5	1239.0	1188.0	1065.5	946.1	853.2	769.5	695.0	613.4
45°	841.0	1041.0	1107.4	1140.0	1117.6	999.2	875.7	788.9	712.4	644.0	565.4
47.5°	697.1	898.1	991.0	1043.1	1043.1	931.8	808.3	722.6	649.1	590.9	521.5
50°	601.1	768.5	864.4	932.8	951.2	863.4	747.1	663.4	594.0	530.7	477.6
52.5°	512.3	662.4	742.0	813.4	866.5	789.9	678.7	603.2	534.8	475.6	433.8
55°	442.9	555.2	627.7	706.3	765.5	715.4	612.4	538.9	479.7	430.7	395.0
57.5°	376.6	474.6	533.8	603.2	666.5	628.7	546.0	482.7	430.7	387.8	356.2
60°	320.5	400.1	446.0	500.1	578.7	552.1	483.8	425.6	383.7	345.0	318.4
62.5°	272.5	335.8	374.6	413.3	484.8	472.5	419.5	374.6	338.8	306.2	283.7
65°	223.5	275.6	306.2	339.9	397.0	402.1	359.3	327.6	295.0	266.4	246.0
67.5°	180.6	221.5	249.0	277.6	323.5	337.8	308.2	281.7	254.1	230.7	212.3
70°	145.9	174.5	194.9	217.4	255.2	272.5	257.2	238.8	216.4	197.0	180.6
72.5°	115.3	133.7	145.9	163.3	193.9	211.3	210.2	193.9	177.6	164.3	151.0
75°	84.7	99.0	109.2	120.4	144.9	161.3	165.3	158.2	141.9	131.7	121.5
77.5°	64.3	72.5	77.6	85.7	103.1	117.4	123.5	121.5	110.2	102.1	94.9
80°	49.0	51.0	53.1	56.1	70.4	83.7	87.8	86.8	80.6	77.6	69.4
82.5°	34.7	35.7	36.7	37.8	42.9	54.1	58.2	60.2	55.1	52.1	44.9
85°	20.4	21.4	21.4	23.5	24.5	27.6	34.7	34.7	33.7	29.6	28.6
87.5°	10.2	10.2	9.2	9.2	10.2	11.2	13.3	15.3	13.3	12.2	11.2
90°	10.2	8.9	8.3	7.5	5.8	4.1	2.4	0.7	2.4	4.1	5.8
92.5°	15.3	14.8	14.6	14.9	15.5	16.2	16.8	17.4	16.8	16.2	15.5
95°	23.8	22.7	22.2	24.8	29.9	35.0	40.1	45.2	40.1	35.0	29.9
97.5°	28.0	25.5	24.3	30.6	43.3	56.0	68.6	81.3	68.6	56.0	43.3
100°	31.7	29.1	27.8	38.4	59.5	80.6	101.8	122.9	101.8	80.6	59.5
102.5°	125.3	153.4	167.4	167.6	167.9	168.2	168.5	168.8	168.5	168.2	167.9
105°	168.8	210.9	232.0	229.7	225.1	220.4	215.8	211.2	215.8	220.4	225.1
107.5°	199.9	251.9	277.9	276.0	272.1	268.2	264.4	260.5	264.4	268.2	272.1
110°	255.4	300.0	322.3	320.7	317.4	314.2	310.9	307.7	310.9	314.2	317.4

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	360.8	363.4	364.7	363.3	360.5	357.8	355.0	352.2	355.0	357.8	360.5
115°	417.0	413.1	411.2	409.9	407.3	404.6	402.0	399.4	402.0	404.6	407.3
117.5°	458.2	455.6	454.3	452.8	449.7	446.6	443.5	440.4	443.5	446.6	449.7
120°	500.9	498.1	496.7	495.5	493.2	490.9	488.5	486.2	488.5	490.9	493.2
122.5°	540.9	537.8	536.3	535.1	532.6	530.1	527.6	525.1	527.6	530.1	532.6
125°	578.2	575.3	573.8	572.8	570.8	568.7	566.7	564.7	566.7	568.7	570.8
127.5°	614.1	611.8	610.6	609.5	607.4	605.2	603.1	600.9	603.1	605.2	607.4
130°	648.5	646.8	646.0	644.8	642.3	639.8	637.4	634.9	637.4	639.8	642.3
132.5°	681.2	679.5	678.7	677.7	675.7	673.6	671.6	669.6	671.6	673.6	675.7
135°	712.0	710.6	709.9	708.7	706.2	703.7	701.3	698.8	701.3	703.7	706.2
137.5°	740.0	738.5	737.7	736.8	734.9	733.1	731.2	729.4	731.2	733.1	734.9
140°	767.3	765.6	764.8	764.2	762.9	761.7	760.4	759.2	760.4	761.7	762.9
142.5°	792.1	790.1	789.1	788.6	787.5	786.4	785.3	784.2	785.3	786.4	787.5
145°	813.8	811.2	809.9	810.0	810.1	810.3	810.4	810.6	810.4	810.3	810.1
147.5°	835.4	832.8	831.5	831.7	832.2	832.7	833.1	833.6	833.1	832.7	832.2
150°	854.6	852.1	850.9	851.4	852.5	853.6	854.7	855.8	854.7	853.6	852.5
152.5°	872.5	870.2	869.0	869.6	870.8	872.1	873.3	874.5	873.3	872.1	870.8
155°	889.1	887.2	886.3	887.0	888.4	889.8	891.2	892.6	891.2	889.8	888.4
157.5°	903.7	902.3	901.6	902.2	903.5	904.7	906.0	907.2	906.0	904.7	903.5
160°	916.9	916.0	915.5	916.0	916.9	917.8	918.8	919.7	918.8	917.8	916.9
162.5°	927.8	927.0	926.6	927.1	928.0	928.9	929.9	930.8	929.9	928.9	928.0
165°	937.1	936.6	936.4	936.9	937.8	938.7	939.6	940.5	939.6	938.7	937.8
167.5°	944.7	944.2	944.0	944.5	945.4	946.3	947.3	948.2	947.3	946.3	945.4
170°	950.7	950.4	950.3	950.8	951.7	952.6	953.5	954.4	953.5	952.6	951.7
172.5°	954.9	954.6	954.4	954.9	955.8	956.7	957.7	958.6	957.7	956.7	955.8
175°	957.7	957.4	957.2	957.7	958.8	959.9	961.0	962.1	961.0	959.9	958.8
177.5°	958.8	958.7	958.6	959.1	960.2	961.3	962.3	963.4	962.3	961.3	960.2
180°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1452.3	1453.3	1456.4	1447.2	1432.9	1426.8	1408.4	1405.4	1402.3	1402.3	1405.4
5°	1419.7	1415.6	1416.6	1399.2	1378.8	1366.6	1341.1	1345.2	1331.9	1323.7	1325.8
7.5°	1383.9	1372.7	1371.7	1349.2	1323.7	1301.3	1274.7	1268.6	1256.4	1242.1	1235.9
10°	1339.0	1330.9	1315.6	1290.0	1257.4	1239.0	1203.3	1181.9	1178.8	1157.4	1149.2
12.5°	1293.1	1278.8	1263.5	1227.8	1191.0	1161.4	1134.9	1111.4	1095.1	1076.7	1064.5
15°	1240.0	1222.7	1205.3	1167.6	1124.7	1095.1	1055.3	1020.6	972.6	934.9	913.4
17.5°	1181.9	1162.5	1139.0	1097.1	1055.3	1014.5	941.0	900.2	866.5	844.0	830.8
20°	1121.6	1100.2	1076.7	1034.9	962.4	891.0	850.2	818.5	798.1	775.7	759.3
22.5°	1058.4	1035.9	1010.4	945.1	868.5	818.5	786.9	757.3	727.7	715.4	707.3
25°	999.2	978.8	946.1	857.3	797.1	751.2	715.4	696.0	680.7	664.4	649.1
27.5°	937.9	900.2	854.2	779.7	742.0	695.0	669.5	655.2	628.7	617.5	610.3
30°	864.4	822.6	778.7	725.6	681.8	649.1	625.6	602.2	586.8	575.6	563.4
32.5°	789.9	750.1	722.6	667.5	634.8	601.1	578.7	564.4	541.9	534.8	529.7
35°	725.6	692.0	667.5	622.6	591.9	561.3	545.0	523.6	509.3	496.0	487.8
37.5°	662.4	644.0	618.5	580.7	548.1	523.6	501.1	494.0	474.6	467.4	459.3
40°	618.5	590.9	569.5	536.8	509.3	482.7	468.5	452.1	438.9	427.6	424.6
42.5°	565.4	545.0	532.8	497.0	468.5	453.1	435.8	417.4	407.2	398.0	386.8
45°	525.6	507.2	489.9	461.3	435.8	416.4	401.1	388.8	371.5	367.4	350.1
47.5°	483.8	465.4	452.1	423.5	400.1	381.7	370.5	354.1	339.9	330.7	322.5
50°	441.9	426.6	414.4	389.9	369.5	350.1	334.8	318.4	312.3	297.0	291.9
52.5°	402.1	391.9	378.6	355.2	334.8	318.4	302.1	288.8	279.6	271.5	265.4
55°	368.4	352.1	346.0	320.5	303.1	285.8	271.5	263.3	252.1	247.0	241.9
57.5°	330.7	321.5	311.3	291.9	272.5	256.2	246.0	233.7	227.6	221.5	217.4
60°	298.0	284.7	276.6	260.3	242.9	227.6	218.4	209.2	201.1	196.0	187.8
62.5°	260.3	250.0	244.9	227.6	213.3	199.0	190.9	181.7	175.5	166.4	156.2
65°	227.6	219.4	213.3	199.0	185.7	172.5	164.3	153.1	144.9	139.8	138.8
67.5°	199.0	192.9	183.7	170.4	157.2	147.0	137.8	128.6	127.6	125.5	125.5
70°	167.4	161.3	156.2	141.9	130.6	119.4	117.4	114.3	111.2	110.2	108.2
72.5°	139.8	134.7	128.6	116.3	105.1	102.1	100.0	98.0	94.9	93.9	92.9
75°	113.3	106.1	102.1	90.8	87.8	85.7	83.7	80.6	78.6	77.6	75.5
77.5°	86.8	79.6	79.6	73.5	71.4	68.4	66.3	64.3	63.3	61.2	61.2
80°	61.2	61.2	59.2	56.1	53.1	52.1	49.0	48.0	46.9	48.0	45.9
82.5°	44.9	40.8	40.8	38.8	36.7	35.7	33.7	33.7	32.7	32.7	32.7
85°	25.5	25.5	24.5	22.5	21.4	21.4	20.4	20.4	19.4	19.4	18.4
87.5°	10.2	9.2	10.2	9.2	9.2	8.2	8.2	8.2	7.1	8.2	7.1
90°	7.5	8.3	8.9	10.2	11.4	12.7	13.9	14.7	15.5	16.2	17.0
92.5°	14.9	14.6	14.8	15.3	15.8	16.2	16.7	17.0	17.3	17.6	17.9
95°	24.8	22.2	22.7	23.8	24.9	26.0	27.1	27.9	28.7	29.4	30.2
97.5°	30.6	24.3	25.5	28.0	30.5	32.9	35.4	35.9	36.3	36.8	37.3
100°	38.4	27.8	29.1	31.7	34.4	37.0	39.6	40.8	42.1	43.3	44.6
102.5°	167.6	167.4	153.4	125.3	97.2	69.1	41.0	42.7	44.4	46.1	47.8
105°	229.7	232.0	210.9	168.8	126.7	84.5	42.4	44.1	45.8	47.5	49.2
107.5°	276.0	277.9	251.9	199.9	147.8	95.8	43.8	45.5	47.2	48.9	50.6
110°	320.7	322.3	300.0	255.4	210.8	166.2	121.6	106.2	90.7	75.3	59.8

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	363.3	364.7	363.4	360.8	358.1	355.5	352.9	286.4	219.8	153.3	86.8
115°	409.9	411.2	413.1	417.0	420.9	424.7	428.6	357.1	285.7	214.2	142.7
117.5°	452.8	454.3	455.6	458.2	460.9	463.5	466.1	444.0	422.0	399.9	377.8
120°	495.5	496.7	498.1	500.9	503.6	506.4	509.2	511.0	512.9	514.7	516.6
122.5°	535.1	536.3	537.8	540.9	544.0	547.0	550.1	551.0	552.0	552.9	553.8
125°	572.8	573.8	575.3	578.2	581.1	584.1	587.0	588.1	589.1	590.2	591.3
127.5°	609.5	610.6	611.8	614.1	616.4	618.7	621.0	622.5	624.1	625.6	627.1
130°	644.8	646.0	646.8	648.5	650.2	651.9	653.6	655.3	657.0	658.7	660.4
132.5°	677.7	678.7	679.5	681.2	682.9	684.6	686.3	687.7	689.1	690.4	691.8
135°	708.7	709.9	710.6	712.0	713.4	714.8	716.2	717.7	719.3	720.8	722.3
137.5°	736.8	737.7	738.5	740.0	741.5	743.1	744.6	746.2	747.7	749.3	750.8
140°	764.2	764.8	765.6	767.3	769.0	770.7	772.4	773.8	775.2	776.6	778.0
142.5°	788.6	789.1	790.1	792.1	794.1	796.1	798.1	799.3	800.6	801.8	803.1
145°	810.0	809.9	811.2	813.8	816.5	819.1	821.7	822.8	823.9	825.0	826.1
147.5°	831.7	831.5	832.8	835.4	838.1	840.7	843.3	844.1	844.9	845.6	846.4
150°	851.4	850.9	852.1	854.6	857.1	859.5	862.0	862.9	863.9	864.8	865.7
152.5°	869.6	869.0	870.2	872.5	874.8	877.1	879.4	880.3	881.3	882.2	883.1
155°	887.0	886.3	887.2	889.1	891.0	892.8	894.7	895.6	896.5	897.4	898.3
157.5°	902.2	901.6	902.3	903.7	905.1	906.5	907.9	909.0	910.0	911.1	912.2
160°	916.0	915.5	916.0	916.9	917.8	918.8	919.7	920.6	921.6	922.5	923.4
162.5°	927.1	926.6	927.0	927.8	928.5	929.3	930.1	931.2	932.3	933.4	934.5
165°	936.9	936.4	936.6	937.1	937.5	938.0	938.4	939.5	940.6	941.7	942.8
167.5°	944.5	944.0	944.2	944.7	945.2	945.6	946.1	947.2	948.2	949.3	950.4
170°	950.8	950.3	950.4	950.7	951.0	951.3	951.6	952.7	953.8	954.9	956.0
172.5°	954.9	954.4	954.6	954.9	955.2	955.5	955.8	956.9	958.0	959.1	960.2
175°	957.7	957.2	957.4	957.7	958.0	958.3	958.6	959.7	960.7	961.8	962.9
177.5°	959.1	958.6	958.7	958.8	959.0	959.1	959.3	960.4	961.4	962.5	963.6
180°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1405.4	1403.3	1397.2	1399.2	1396.2	1396.2	1394.1	1394.1	1394.1	1399.2	1396.2
5°	1328.8	1321.7	1314.5	1311.5	1308.4	1305.3	1305.3	1304.3	1313.5	1311.5	1319.6
7.5°	1233.9	1231.9	1217.6	1217.6	1212.5	1210.4	1215.5	1216.6	1217.6	1219.6	1224.7
10°	1149.2	1144.1	1123.7	1125.7	1122.7	1118.6	1121.6	1119.6	1126.7	1128.8	1126.7
12.5°	1049.2	1040.0	1017.5	1006.3	994.1	984.9	996.1	987.9	1016.5	1024.7	1047.1
15°	916.5	899.1	883.8	883.8	872.6	864.4	869.6	878.7	884.9	894.0	898.1
17.5°	827.7	820.6	808.3	801.2	798.1	795.0	795.0	799.1	812.4	811.4	819.5
20°	752.2	748.1	742.0	732.8	729.7	727.7	727.7	727.7	736.9	745.0	750.1
22.5°	700.1	697.1	693.0	680.7	674.6	672.6	677.7	680.7	687.9	694.0	699.1
25°	648.1	640.9	633.8	629.7	626.6	626.6	628.7	629.7	632.8	635.8	642.0
27.5°	605.2	600.1	589.9	578.7	578.7	575.6	577.7	579.7	586.8	597.1	602.2
30°	557.2	556.2	552.1	548.1	544.0	541.9	546.0	549.1	550.1	555.2	555.2
32.5°	522.5	515.4	508.3	504.2	502.1	501.1	502.1	506.2	506.2	512.3	519.5
35°	487.8	483.8	476.6	469.5	467.4	462.3	466.4	470.5	477.6	480.7	483.8
37.5°	450.1	445.0	441.9	439.9	435.8	436.8	433.8	439.9	446.0	445.0	447.0
40°	421.5	412.3	403.1	402.1	401.1	400.1	400.1	401.1	405.2	409.3	415.4
42.5°	384.8	381.7	373.5	365.4	363.3	361.3	359.3	363.3	371.5	378.6	381.7
45°	347.0	342.9	340.9	334.8	330.7	329.7	327.6	332.7	339.9	342.9	345.0
47.5°	312.3	311.3	305.2	306.2	303.1	304.1	303.1	306.2	306.2	309.2	311.3
50°	288.8	285.8	282.7	280.7	277.6	277.6	276.6	277.6	281.7	285.8	284.7
52.5°	265.4	260.3	259.2	258.2	256.2	258.2	255.2	256.2	260.3	262.3	261.3
55°	237.8	236.8	234.7	232.7	231.7	230.7	230.7	230.7	234.7	237.8	238.8
57.5°	216.4	211.3	207.2	207.2	203.1	202.1	204.1	205.1	208.2	210.2	212.3
60°	186.8	184.7	178.6	175.5	169.4	168.4	168.4	172.5	177.6	184.7	186.8
62.5°	155.1	152.1	151.0	151.0	151.0	151.0	151.0	151.0	151.0	152.1	152.1
65°	137.8	138.8	137.8	136.8	137.8	137.8	136.8	136.8	136.8	137.8	138.8
67.5°	123.5	122.5	123.5	122.5	121.5	121.5	120.4	121.5	122.5	123.5	123.5
70°	107.2	107.2	106.1	107.2	106.1	105.1	104.1	104.1	106.1	107.2	107.2
72.5°	91.9	91.9	90.8	90.8	88.8	88.8	89.8	88.8	88.8	91.9	91.9
75°	76.5	75.5	74.5	74.5	73.5	73.5	73.5	72.5	74.5	74.5	75.5
77.5°	60.2	60.2	60.2	59.2	59.2	58.2	58.2	59.2	59.2	59.2	60.2
80°	45.9	45.9	45.9	44.9	43.9	43.9	43.9	43.9	43.9	44.9	43.9
82.5°	31.6	31.6	31.6	31.6	31.6	30.6	30.6	30.6	31.6	31.6	30.6
85°	19.4	18.4	19.4	19.4	18.4	19.4	18.4	18.4	17.4	17.4	18.4
87.5°	8.2	7.1	6.1	6.1	7.1	6.1	6.1	6.1	7.1	6.1	6.1
90°	17.4	17.6	17.9	18.2	18.5	18.8	18.5	18.2	17.9	17.6	17.4
92.5°	18.1	18.2	18.3	18.5	18.6	18.8	18.6	18.5	18.3	18.2	18.1
95°	30.6	30.5	30.4	30.2	30.1	29.9	30.1	30.2	30.4	30.5	30.6
97.5°	37.5	37.6	37.7	37.9	38.0	38.2	38.0	37.9	37.7	37.6	37.5
100°	45.2	45.3	45.6	45.9	46.2	46.5	46.2	45.9	45.6	45.3	45.2
102.5°	48.6	48.8	49.3	49.8	50.2	50.7	50.2	49.8	49.3	48.8	48.6
105°	50.0	50.3	50.9	51.6	52.2	52.8	52.2	51.6	50.9	50.3	50.0
107.5°	51.4	51.7	52.3	53.0	53.6	54.2	53.6	53.0	52.3	51.7	51.4
110°	52.1	52.4	53.0	53.7	54.3	54.9	54.3	53.7	53.0	52.4	52.1

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	53.5	53.7	54.2	54.7	55.1	55.6	55.1	54.7	54.2	53.7	53.5
115°	107.0	101.4	90.3	79.2	68.1	57.0	68.1	79.2	90.3	101.4	107.0
117.5°	366.8	346.6	306.1	265.7	225.2	184.8	225.2	265.7	306.1	346.6	366.8
120°	517.5	507.1	486.2	465.4	444.5	423.7	444.5	465.4	486.2	507.1	517.5
122.5°	554.3	554.4	554.5	554.7	554.8	555.0	554.8	554.7	554.5	554.4	554.3
125°	591.8	592.0	592.5	593.0	593.4	593.9	593.4	593.0	592.5	592.0	591.8
127.5°	627.9	628.0	628.1	628.3	628.4	628.6	628.4	628.3	628.1	628.0	627.9
130°	661.3	661.2	661.1	660.9	660.8	660.6	660.8	660.9	661.1	661.2	661.3
132.5°	692.5	692.4	692.3	692.1	692.0	691.8	692.0	692.1	692.3	692.4	692.5
135°	723.1	722.9	722.6	722.3	722.0	721.7	722.0	722.3	722.6	722.9	723.1
137.5°	751.6	751.4	750.9	750.4	750.0	749.5	750.0	750.4	750.9	751.4	751.6
140°	778.7	778.3	777.5	776.8	776.0	775.2	776.0	776.8	777.5	778.3	778.7
142.5°	803.7	803.3	802.5	801.8	801.0	800.2	801.0	801.8	802.5	803.3	803.7
145°	826.6	826.2	825.4	824.7	823.9	823.1	823.9	824.7	825.4	826.2	826.6
147.5°	846.8	846.5	845.9	845.2	844.6	844.0	844.6	845.2	845.9	846.5	846.8
150°	866.2	865.8	865.0	864.3	863.5	862.7	863.5	864.3	865.0	865.8	866.2
152.5°	883.6	883.1	882.0	880.9	879.8	878.7	879.8	880.9	882.0	883.1	883.6
155°	898.8	898.2	897.0	895.7	894.5	893.3	894.5	895.7	897.0	898.2	898.8
157.5°	912.7	912.1	910.9	909.6	908.4	907.2	908.4	909.6	910.9	912.1	912.7
160°	923.9	923.4	922.3	921.2	920.1	919.0	920.1	921.2	922.3	923.4	923.9
162.5°	935.0	934.3	932.9	931.5	930.1	928.7	930.1	931.5	932.9	934.3	935.0
165°	943.3	942.8	941.7	940.6	939.5	938.4	939.5	940.6	941.7	942.8	943.3
167.5°	950.9	950.2	948.8	947.5	946.1	944.7	946.1	947.5	948.8	950.2	950.9
170°	956.5	955.8	954.4	953.1	951.7	950.3	951.7	953.1	954.4	955.8	956.5
172.5°	960.7	960.0	958.6	957.2	955.8	954.4	955.8	957.2	958.6	960.0	960.7
175°	963.4	962.6	961.1	959.6	958.0	956.5	958.0	959.6	961.1	962.6	963.4
177.5°	964.1	963.4	962.0	960.7	959.3	957.9	959.3	960.7	962.0	963.4	964.1
180°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6	1468.6
2.5°	1399.2	1404.3	1402.3	1391.1	1402.3	1405.4	1411.5	1417.6	1421.7	1427.8	1432.9
5°	1311.5	1321.7	1327.8	1321.7	1342.1	1345.2	1359.4	1367.6	1379.9	1390.1	1398.2
7.5°	1228.8	1237.0	1249.2	1251.3	1263.5	1277.8	1298.2	1318.6	1338.0	1348.2	1357.4
10°	1140.0	1154.3	1172.7	1168.6	1187.0	1209.4	1230.8	1263.5	1279.8	1298.2	1314.5
12.5°	1051.2	1060.4	1084.9	1093.1	1119.6	1136.9	1166.5	1187.0	1227.8	1249.2	1263.5
15°	896.1	933.8	964.5	1001.2	1035.9	1068.6	1095.1	1131.8	1167.6	1183.9	1207.4
17.5°	825.7	843.0	861.4	879.8	924.7	982.8	1029.8	1069.6	1100.2	1121.6	1149.2
20°	752.2	769.5	789.9	807.3	834.9	876.7	934.9	1003.3	1040.0	1062.4	1089.0
22.5°	700.1	716.5	729.7	745.0	766.5	797.1	841.0	925.7	974.7	1002.2	1025.7
25°	644.0	664.4	678.7	689.9	707.3	741.0	776.7	824.6	912.4	933.8	966.5
27.5°	605.2	611.3	627.7	645.0	662.4	680.7	717.5	758.3	817.5	864.4	904.3
30°	559.3	574.6	589.9	597.1	612.4	638.9	661.3	705.2	751.2	787.9	835.9
32.5°	524.6	533.8	544.0	561.3	575.6	594.0	616.4	653.2	692.0	715.4	752.2
35°	485.8	491.9	513.4	520.5	534.8	553.2	575.6	604.2	646.0	664.4	690.9
37.5°	449.1	463.4	469.5	485.8	499.1	517.4	533.8	566.4	594.0	615.4	639.9
40°	420.5	426.6	437.8	452.1	463.4	477.6	498.1	521.5	551.1	568.5	589.9
42.5°	385.8	390.9	405.2	413.3	431.7	445.0	457.2	485.8	512.3	525.6	547.0
45°	348.0	360.3	369.5	385.8	396.0	412.3	427.6	448.0	472.5	487.8	500.1
47.5°	315.4	327.6	336.8	352.1	368.4	375.6	391.9	413.3	435.8	448.0	465.4
50°	288.8	292.9	310.3	317.4	334.8	349.0	360.3	378.6	403.1	410.3	424.6
52.5°	263.3	266.4	277.6	286.8	302.1	314.3	328.6	346.0	366.4	377.6	388.8
55°	240.9	242.9	248.0	258.2	268.4	283.7	297.0	313.3	330.7	342.9	353.1
57.5°	215.3	219.4	223.5	229.6	239.8	254.1	268.4	283.7	298.0	306.2	319.4
60°	185.7	191.9	199.0	206.2	213.3	223.5	239.8	254.1	267.4	274.5	284.7
62.5°	154.1	166.4	172.5	180.6	186.8	196.0	208.2	224.5	233.7	242.9	251.1
65°	138.8	139.8	140.8	149.0	160.2	169.4	180.6	192.9	207.2	213.3	219.4
67.5°	123.5	124.5	126.6	127.6	131.7	141.9	154.1	167.4	178.6	182.7	188.8
70°	108.2	108.2	112.3	113.3	114.3	115.3	125.5	138.8	149.0	154.1	161.3
72.5°	91.9	92.9	94.9	95.9	98.0	100.0	103.1	110.2	122.5	127.6	135.7
75°	75.5	76.5	77.6	78.6	81.6	82.7	85.7	89.8	94.9	101.0	106.1
77.5°	60.2	60.2	61.2	63.3	65.3	66.3	69.4	71.4	73.5	76.5	80.6
80°	44.9	45.9	45.9	48.0	48.0	49.0	50.0	53.1	55.1	57.2	59.2
82.5°	30.6	32.7	32.7	32.7	33.7	34.7	35.7	35.7	37.8	38.8	41.8
85°	18.4	19.4	19.4	19.4	18.4	20.4	20.4	21.4	21.4	21.4	22.5
87.5°	7.1	6.1	7.1	7.1	7.1	8.2	7.1	7.1	8.2	9.2	9.2
90°	17.0	16.2	15.5	14.7	13.9	12.7	11.4	10.2	8.9	8.3	7.5
92.5°	17.9	17.6	17.3	17.0	16.7	16.2	15.8	15.3	14.8	14.6	14.9
95°	30.2	29.4	28.7	27.9	27.1	26.0	24.9	23.8	22.7	22.2	24.8
97.5°	37.3	36.8	36.3	35.9	35.4	32.9	30.5	28.0	25.5	24.3	30.6
100°	44.6	43.3	42.1	40.8	39.6	37.0	34.4	31.7	29.1	27.8	38.4
102.5°	47.8	46.1	44.4	42.7	41.0	69.1	97.2	125.3	153.4	167.4	167.6
105°	49.2	47.5	45.8	44.1	42.4	84.5	126.7	168.8	210.9	232.0	229.7
107.5°	50.6	48.9	47.2	45.5	43.8	95.8	147.8	199.9	251.9	277.9	276.0
110°	59.8	75.3	90.7	106.2	121.6	166.2	210.8	255.4	300.0	322.3	320.7

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	86.8	153.3	219.8	286.4	352.9	355.5	358.1	360.8	363.4	364.7	363.3
115°	142.7	214.2	285.7	357.1	428.6	424.7	420.9	417.0	413.1	411.2	409.9
117.5°	377.8	399.9	422.0	444.0	466.1	463.5	460.9	458.2	455.6	454.3	452.8
120°	516.6	514.7	512.9	511.0	509.2	506.4	503.6	500.9	498.1	496.7	495.5
122.5°	553.8	552.9	552.0	551.0	550.1	547.0	544.0	540.9	537.8	536.3	535.1
125°	591.3	590.2	589.1	588.1	587.0	584.1	581.1	578.2	575.3	573.8	572.8
127.5°	627.1	625.6	624.1	622.5	621.0	618.7	616.4	614.1	611.8	610.6	609.5
130°	660.4	658.7	657.0	655.3	653.6	651.9	650.2	648.5	646.8	646.0	644.8
132.5°	691.8	690.4	689.1	687.7	686.3	684.6	682.9	681.2	679.5	678.7	677.7
135°	722.3	720.8	719.3	717.7	716.2	714.8	713.4	712.0	710.6	709.9	708.7
137.5°	750.8	749.3	747.7	746.2	744.6	743.1	741.5	740.0	738.5	737.7	736.8
140°	778.0	776.6	775.2	773.8	772.4	770.7	769.0	767.3	765.6	764.8	764.2
142.5°	803.1	801.8	800.6	799.3	798.1	796.1	794.1	792.1	790.1	789.1	788.6
145°	826.1	825.0	823.9	822.8	821.7	819.1	816.5	813.8	811.2	809.9	810.0
147.5°	846.4	845.6	844.9	844.1	843.3	840.7	838.1	835.4	832.8	831.5	831.7
150°	865.7	864.8	863.9	862.9	862.0	859.5	857.1	854.6	852.1	850.9	851.4
152.5°	883.1	882.2	881.3	880.3	879.4	877.1	874.8	872.5	870.2	869.0	869.6
155°	898.3	897.4	896.5	895.6	894.7	892.8	891.0	889.1	887.2	886.3	887.0
157.5°	912.2	911.1	910.0	909.0	907.9	906.5	905.1	903.7	902.3	901.6	902.2
160°	923.4	922.5	921.6	920.6	919.7	918.8	917.8	916.9	916.0	915.5	916.0
162.5°	934.5	933.4	932.3	931.2	930.1	929.3	928.5	927.8	927.0	926.6	927.1
165°	942.8	941.7	940.6	939.5	938.4	938.0	937.5	937.1	936.6	936.4	936.9
167.5°	950.4	949.3	948.2	947.2	946.1	945.6	945.2	944.7	944.2	944.0	944.5
170°	956.0	954.9	953.8	952.7	951.6	951.3	951.0	950.7	950.4	950.3	950.8
172.5°	960.2	959.1	958.0	956.9	955.8	955.5	955.2	954.9	954.6	954.4	954.9
175°	962.9	961.8	960.7	959.7	958.6	958.3	958.0	957.7	957.4	957.2	957.7
177.5°	963.6	962.5	961.4	960.4	959.3	959.1	959.0	958.8	958.7	958.6	959.1
180°	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0	960.0

TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1468.6	1468.6	1468.6	1468.6
2.5°	1442.1	1439.0	1457.4	1477.8
5°	1412.5	1417.6	1441.1	1469.7
7.5°	1381.9	1393.1	1420.7	1458.4
10°	1339.0	1359.4	1401.3	1440.1
12.5°	1297.2	1324.7	1364.5	1410.5
15°	1250.2	1280.9	1329.8	1385.0
17.5°	1198.2	1232.9	1290.0	1350.3
20°	1143.1	1189.0	1249.2	1314.5
22.5°	1081.8	1136.9	1199.2	1271.7
25°	1022.6	1082.9	1145.1	1228.8
27.5°	964.5	1023.7	1093.1	1177.8
30°	906.3	960.4	1034.9	1125.7
32.5°	844.0	900.2	978.8	1071.6
35°	786.9	843.0	916.5	1008.4
37.5°	725.6	785.9	856.3	951.2
40°	654.2	724.6	793.0	883.8
42.5°	595.0	669.5	735.9	821.6
45°	548.1	618.5	673.6	757.3
47.5°	504.2	561.3	617.5	695.0
50°	462.3	506.2	564.4	633.8
52.5°	419.5	457.2	507.2	572.6
55°	380.7	416.4	461.3	511.3
57.5°	345.0	370.5	415.4	460.3
60°	305.2	331.7	366.4	404.2
62.5°	271.5	291.9	324.6	356.2
65°	235.8	255.2	279.6	309.2
67.5°	203.1	220.4	239.8	263.3
70°	173.5	186.8	201.1	221.5
72.5°	141.9	156.2	169.4	185.7
75°	116.3	122.5	133.7	144.9
77.5°	89.8	98.0	104.1	113.3
80°	64.3	71.4	73.5	80.6
82.5°	42.9	46.9	51.0	53.1
85°	24.5	26.5	30.6	31.6
87.5°	9.2	10.2	12.2	14.3
90°	5.8	4.1	2.4	0.7
92.5°	15.5	16.2	16.8	17.4
95°	29.9	35.0	40.1	45.2
97.5°	43.3	56.0	68.6	81.3
100°	59.5	80.6	101.8	122.9
102.5°	167.9	168.2	168.5	168.8
105°	225.1	220.4	215.8	211.2
107.5°	272.1	268.2	264.4	260.5
110°	317.4	314.2	310.9	307.7



TEST NUMBER: P999990

CATALOG NUMBER: SA2XXRDIP-B675D725UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	360.5	357.8	355.0	352.2
115°	407.3	404.6	402.0	399.4
117.5°	449.7	446.6	443.5	440.4
120°	493.2	490.9	488.5	486.2
122.5°	532.6	530.1	527.6	525.1
125°	570.8	568.7	566.7	564.7
127.5°	607.4	605.2	603.1	600.9
130°	642.3	639.8	637.4	634.9
132.5°	675.7	673.6	671.6	669.6
135°	706.2	703.7	701.3	698.8
137.5°	734.9	733.1	731.2	729.4
140°	762.9	761.7	760.4	759.2
142.5°	787.5	786.4	785.3	784.2
145°	810.1	810.3	810.4	810.6
147.5°	832.2	832.7	833.1	833.6
150°	852.5	853.6	854.7	855.8
152.5°	870.8	872.1	873.3	874.5
155°	888.4	889.8	891.2	892.6
157.5°	903.5	904.7	906.0	907.2
160°	916.9	917.8	918.8	919.7
162.5°	928.0	928.9	929.9	930.8
165°	937.8	938.7	939.6	940.5
167.5°	945.4	946.3	947.3	948.2
170°	951.7	952.6	953.5	954.4
172.5°	955.8	956.7	957.7	958.6
175°	958.8	959.9	961.0	962.1
177.5°	960.2	961.3	962.3	963.4
180°	960.0	960.0	960.0	960.0

(END OF REPORT)