

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P998686

Luminaire Tested: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998686
REPORT IS A COMBINATION OF REPORTS P984429 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

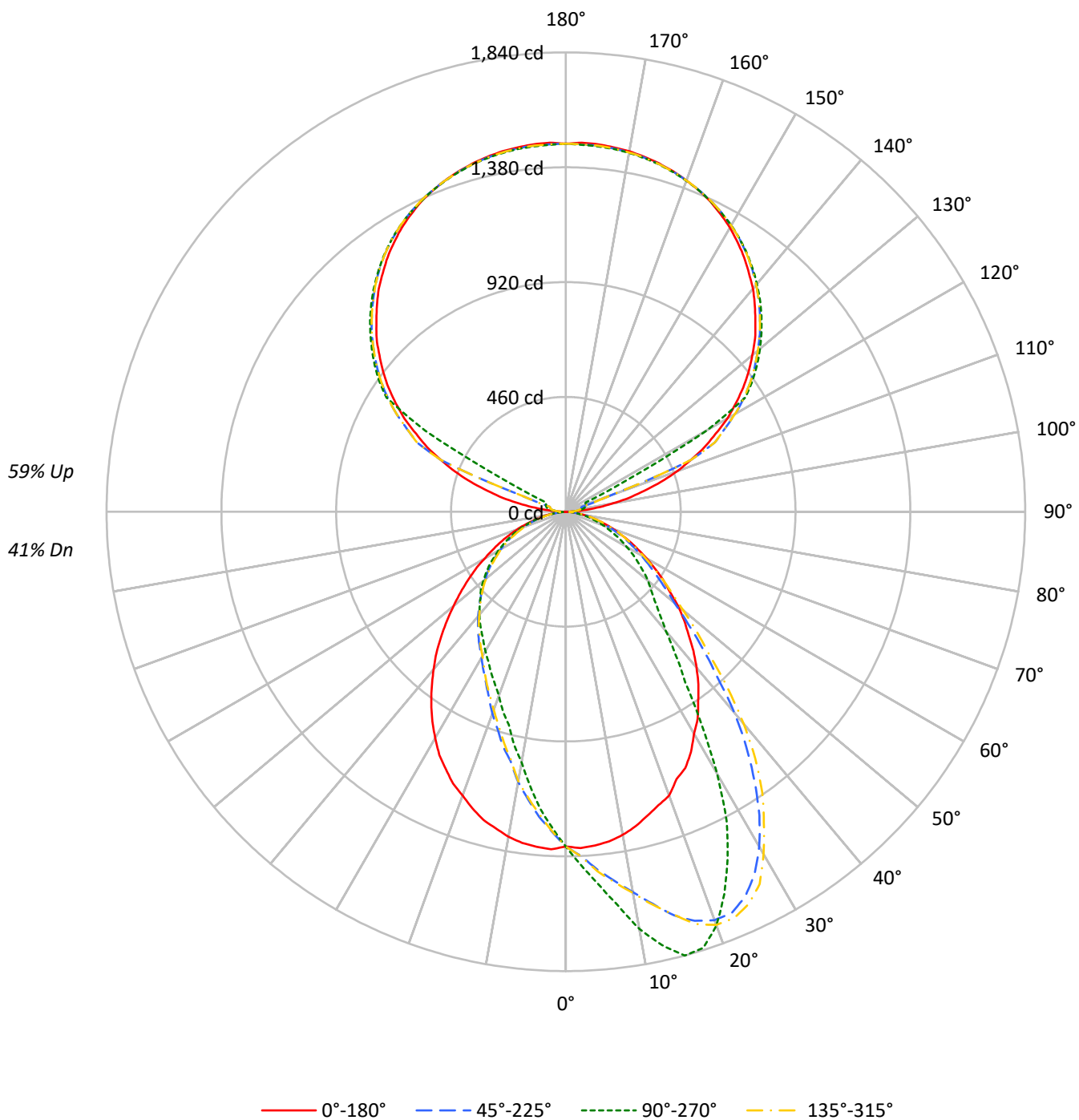
Lumens per Lamp: N/A
Luminaire Lumens: 7283.0 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48
1	96	92	88	85	87	84	81	78	69	67	65	55	54	53	43	42	41
2	88	81	75	70	80	74	69	65	61	57	54	49	47	44	38	36	35
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	30
4	74	63	56	50	67	58	52	46	48	43	40	39	36	33	31	28	26
5	68	57	49	43	62	52	45	40	43	38	34	35	32	29	28	25	23
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	21
7	58	46	38	33	53	42	36	31	36	30	27	29	25	23	23	21	18
8	54	42	34	29	49	39	32	27	32	27	24	27	23	20	21	19	17
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15
10	47	35	28	23	43	32	26	22	27	23	19	23	19	17	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21222	21222	21222	21222
5°	21273	22627	21355	18003
10°	21026	24702	21159	14843
15°	20516	26055	20801	12503
20°	20196	24464	20196	10867
25°	19552	21017	19642	9718
30°	18494	16522	18847	8802
35°	17556	11424	17848	8053
40°	16477	8626	16665	7457
45°	15146	7088	15395	6812
50°	13997	6221	14023	6237
55°	12686	5302	12769	5611
60°	11288	4428	11446	4896
65°	10039	3601	10220	4182
70°	8791	2825	9017	3372
75°	7379	2052	7669	2446
80°	5756	1299	6171	1451
85°	3786	654	4082	484

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21938 cd/sqm

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.7	1.8
10°-20°	371.7	5.1
20°-30°	539.4	7.4
30°-40°	568.7	7.8
40°-50°	503.2	6.9
50°-60°	401.8	5.5
60°-70°	272.9	3.7
70°-80°	139.6	1.9
80°-90°	35.6	0.5
90°-100°	48.6	0.7
100°-110°	181.2	2.5
110°-120°	480.7	6.6
120°-130°	797.2	10.9
130°-140°	846.8	11.6
140°-150°	787.0	10.8
150°-160°	632.7	8.7
160°-170°	407.7	5.6
170°-180°	140.3	1.9
0°-30°	1038.8	14.3
0°-40°	1607.5	22.1
0°-60°	2512.4	34.5
0°-90°	2960.6	40.7
90°-120°	710.5	9.8
90°-150°	3141.6	43.1
90°-180°	4322.0	59.3
0°-180°	7283.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1341	1341	1341	1341	1341	
5°	1342	1497	1347	1191	1342	127
15°	1260	1840	1278	883	1260	356
25°	1132	1533	1138	709	1132	518
35°	924	835	940	588	924	578
45°	694	503	705	483	694	538
55°	476	354	479	374	476	425
65°	282	217	288	252	282	281
75°	132	107	137	128	132	142
85°	27	28	29	21	27	31
90°	1	29	1	29	1	6
95°	69	46	69	46	69	82
105°	324	81	324	81	324	347
115°	613	88	613	88	613	604
125°	867	912	867	912	867	774
135°	1073	1108	1073	1108	1073	829
145°	1245	1264	1245	1264	1245	779
155°	1371	1372	1371	1372	1371	632
165°	1444	1441	1444	1441	1444	408
175°	1478	1469	1478	1469	1478	141
180°	1474	1474	1474	1474	1474	

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7
2.5°	1347.9	1351.0	1356.2	1357.2	1367.5	1375.7	1385.0	1385.0	1388.1	1387.1	1378.8
5°	1341.7	1351.0	1364.4	1375.7	1394.3	1402.5	1414.9	1424.2	1432.4	1438.6	1437.6
7.5°	1331.4	1347.9	1367.5	1389.1	1413.9	1428.3	1445.8	1462.3	1473.6	1483.9	1491.2
10°	1313.9	1341.7	1368.5	1397.4	1429.3	1448.9	1469.5	1491.2	1508.7	1528.3	1546.8
12.5°	1290.2	1330.4	1363.4	1401.5	1440.7	1462.3	1495.3	1511.8	1545.8	1595.2	1608.6
15°	1260.3	1314.9	1345.9	1394.3	1445.8	1463.3	1508.7	1535.5	1605.5	1636.5	1673.6
17.5°	1232.5	1293.3	1334.5	1390.2	1440.7	1474.7	1519.0	1573.6	1632.3	1676.7	1717.9
20°	1209.8	1268.6	1318.0	1379.9	1443.8	1487.0	1533.4	1599.4	1663.3	1708.6	1740.5
22.5°	1158.3	1233.5	1291.2	1360.3	1437.6	1497.3	1541.7	1613.8	1682.8	1710.7	1738.5
25°	1132.5	1197.5	1264.4	1342.8	1433.4	1504.6	1542.7	1623.1	1683.9	1694.2	1700.4
27.5°	1085.1	1158.3	1236.6	1326.3	1432.4	1492.2	1540.6	1613.8	1662.2	1655.0	1636.5
30°	1026.4	1116.1	1202.6	1299.5	1418.0	1482.9	1528.3	1595.2	1620.0	1582.9	1549.9
32.5°	983.1	1067.6	1163.5	1275.8	1401.5	1463.3	1507.6	1560.2	1565.4	1498.4	1442.7
35°	924.4	1018.2	1126.4	1244.9	1373.7	1429.3	1470.5	1502.5	1477.8	1384.0	1318.0
37.5°	871.8	964.6	1080.0	1200.6	1335.6	1390.2	1423.1	1428.3	1367.5	1285.1	1188.2
40°	814.1	909.9	1030.5	1157.3	1293.3	1340.7	1361.3	1345.9	1258.3	1162.4	1050.1
42.5°	756.4	851.2	981.1	1110.9	1239.7	1279.9	1288.1	1245.9	1138.7	1026.4	896.6
45°	693.5	792.5	922.3	1053.2	1177.9	1200.6	1201.6	1140.8	1014.0	896.6	776.0
47.5°	642.0	733.7	862.5	993.4	1098.5	1114.0	1107.8	1037.7	899.6	767.7	662.6
50°	585.3	672.9	800.7	929.5	1019.2	1023.3	1007.8	907.9	772.9	652.3	568.8
52.5°	524.5	613.2	730.6	854.3	934.7	928.5	898.6	791.4	664.7	564.7	500.8
55°	476.1	554.4	664.7	785.3	841.9	824.4	791.4	682.2	582.2	497.7	442.1
57.5°	422.5	491.6	599.8	704.9	737.9	721.4	688.4	586.4	493.6	429.7	392.6
60°	372.0	434.9	529.7	617.3	643.0	625.5	587.4	495.7	428.7	375.1	347.3
62.5°	325.6	380.3	459.6	540.0	550.3	532.8	499.8	425.6	367.9	325.6	305.0
65°	282.4	333.9	397.8	458.6	467.9	449.3	415.3	361.7	313.3	286.5	266.9
67.5°	240.1	281.3	338.0	382.3	387.5	370.0	342.1	298.9	269.0	240.1	225.7
70°	203.0	233.9	278.2	314.3	316.4	299.9	285.5	246.3	223.6	203.0	191.7
72.5°	166.9	188.6	222.6	249.4	250.4	240.1	226.7	202.0	182.4	168.0	156.6
75°	131.9	150.5	171.1	194.8	193.7	185.5	175.2	159.7	143.2	134.0	128.8
77.5°	101.0	112.3	128.8	144.3	144.3	140.2	134.0	122.6	112.3	103.1	97.9
80°	72.1	79.3	92.7	97.9	100.0	98.9	93.8	85.5	81.4	74.2	72.1
82.5°	46.4	51.5	57.7	62.9	66.0	63.9	62.9	58.7	52.6	50.5	48.4
85°	26.8	28.9	31.9	35.0	36.1	35.0	37.1	34.0	30.9	30.9	29.9
87.5°	11.3	12.4	14.4	14.4	15.5	15.5	14.4	15.5	15.5	14.4	13.4
90°	1.1	3.7	6.3	8.9	11.5	12.8	13.7	15.6	17.5	19.4	21.3
92.5°	26.7	25.7	24.8	23.8	22.9	22.4	22.8	23.5	24.2	24.9	25.6
95°	69.3	61.5	53.7	45.8	38.0	34.1	34.9	36.6	38.3	39.9	41.6
97.5°	124.8	105.4	85.9	66.5	47.0	37.3	39.2	43.0	46.8	50.6	54.4
100°	188.8	156.3	123.9	91.4	58.9	42.7	44.7	48.7	52.8	56.8	60.8
102.5°	259.2	258.7	258.3	257.8	257.3	257.1	235.5	192.4	149.2	106.1	62.9
105°	324.3	331.4	338.5	345.6	352.7	356.3	323.9	259.2	194.5	129.8	65.1
107.5°	400.1	406.0	411.9	417.8	423.7	426.7	386.8	306.9	227.0	147.1	67.2
110°	472.6	477.6	482.6	487.5	492.5	495.0	460.7	392.2	323.7	255.2	186.7

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	540.9	545.2	549.4	553.7	558.0	560.1	558.1	554.1	550.0	546.0	542.0
115°	613.4	617.4	621.5	625.5	629.6	631.6	634.6	640.5	646.4	652.3	658.2
117.5°	676.4	681.1	685.9	690.6	695.3	697.7	699.7	703.8	707.8	711.9	715.9
120°	746.8	750.4	753.9	757.5	761.0	762.8	764.9	769.2	773.5	777.7	782.0
122.5°	806.5	810.3	814.1	817.9	821.7	823.6	826.0	830.7	835.4	840.2	844.9
125°	867.4	870.5	873.5	876.6	879.7	881.2	883.5	888.0	892.5	897.0	901.5
127.5°	922.8	926.1	929.5	932.8	936.1	937.8	939.6	943.1	946.7	950.2	953.8
130°	975.1	978.9	982.7	986.5	990.3	992.2	993.5	996.1	998.7	1001.3	1003.9
132.5°	1028.4	1031.5	1034.6	1037.7	1040.8	1042.3	1043.6	1046.2	1048.9	1051.5	1054.1
135°	1073.3	1077.1	1080.9	1084.6	1088.4	1090.3	1091.4	1093.5	1095.6	1097.8	1099.9
137.5°	1120.2	1123.0	1125.9	1128.7	1131.6	1133.0	1134.2	1136.6	1138.9	1141.3	1143.7
140°	1166.1	1168.0	1169.9	1171.8	1173.7	1174.6	1175.9	1178.5	1181.1	1183.7	1186.3
142.5°	1204.5	1206.1	1207.8	1209.4	1211.1	1211.9	1213.4	1216.5	1219.6	1222.7	1225.8
145°	1245.0	1244.8	1244.6	1244.3	1244.1	1244.0	1246.0	1250.0	1254.1	1258.1	1262.1
147.5°	1280.2	1279.5	1278.8	1278.1	1277.4	1277.0	1279.0	1283.1	1287.1	1291.2	1295.2
150°	1314.4	1312.7	1311.1	1309.4	1307.7	1306.9	1308.8	1312.6	1316.4	1320.2	1324.0
152.5°	1343.2	1341.3	1339.4	1337.5	1335.6	1334.6	1336.4	1339.9	1343.5	1347.0	1350.6
155°	1370.9	1368.8	1366.6	1364.5	1362.4	1361.3	1362.7	1365.6	1368.4	1371.3	1374.1
157.5°	1393.3	1391.4	1389.5	1387.6	1385.7	1384.8	1385.9	1388.0	1390.1	1392.3	1394.4
160°	1412.5	1411.1	1409.7	1408.2	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5
162.5°	1429.6	1428.2	1426.8	1425.3	1423.9	1423.2	1423.8	1425.0	1426.1	1427.3	1428.5
165°	1444.5	1443.1	1441.7	1440.2	1438.8	1438.1	1438.5	1439.2	1439.9	1440.6	1441.3
167.5°	1456.3	1454.9	1453.5	1452.0	1450.6	1449.9	1450.3	1451.0	1451.7	1452.4	1453.1
170°	1465.9	1464.5	1463.1	1461.6	1460.2	1459.5	1459.7	1460.2	1460.7	1461.1	1461.6
172.5°	1472.3	1470.9	1469.5	1468.0	1466.6	1465.9	1466.1	1466.6	1467.1	1467.5	1468.0
175°	1477.6	1475.9	1474.3	1472.6	1470.9	1470.1	1470.3	1470.8	1471.3	1471.8	1472.3
177.5°	1479.7	1478.1	1476.4	1474.8	1473.1	1472.3	1472.4	1472.6	1472.9	1473.1	1473.3
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7
2.5°	1393.3	1394.3	1396.4	1406.7	1411.8	1412.8	1408.7	1418.0	1421.1	1418.0	1415.9
5°	1459.2	1465.4	1477.8	1491.2	1490.1	1491.2	1497.3	1503.5	1505.6	1497.3	1500.4
7.5°	1516.9	1529.3	1542.7	1563.3	1563.3	1573.6	1577.7	1582.9	1595.2	1589.1	1587.0
10°	1582.9	1599.4	1624.1	1657.1	1658.1	1668.4	1678.7	1695.2	1700.4	1696.2	1698.3
12.5°	1665.3	1697.3	1699.3	1735.4	1751.9	1753.9	1770.4	1767.3	1777.6	1777.6	1795.2
15°	1701.4	1750.8	1778.7	1813.7	1824.0	1811.6	1825.0	1839.5	1840.5	1840.5	1839.5
17.5°	1766.3	1785.9	1813.7	1832.3	1836.4	1836.4	1837.4	1843.6	1839.5	1831.2	1837.4
20°	1779.7	1787.9	1798.3	1796.2	1798.3	1787.9	1777.6	1767.3	1768.4	1763.2	1778.7
22.5°	1755.0	1752.9	1729.2	1713.8	1713.8	1693.1	1673.6	1664.3	1655.0	1658.1	1663.3
25°	1693.1	1661.2	1632.3	1609.7	1604.5	1571.5	1544.7	1536.5	1521.0	1533.4	1535.5
27.5°	1594.2	1558.1	1511.8	1492.2	1465.4	1452.0	1433.4	1408.7	1376.8	1395.3	1392.2
30°	1488.1	1434.5	1396.4	1348.9	1306.7	1303.6	1268.6	1227.3	1210.9	1210.9	1220.1
32.5°	1369.6	1298.5	1242.8	1175.8	1134.6	1117.1	1074.8	1033.6	1042.9	1012.0	1023.3
35°	1231.5	1137.7	1067.6	1002.7	971.8	951.2	896.6	873.9	849.1	834.7	861.5
37.5°	1099.6	991.4	901.7	830.6	819.3	782.2	745.1	730.6	716.2	722.4	721.4
40°	938.8	843.0	762.6	706.9	687.4	669.8	645.1	627.6	618.3	623.5	624.5
42.5°	793.5	713.1	653.3	614.2	597.7	585.3	573.0	558.5	555.4	555.4	559.6
45°	681.2	615.2	575.0	543.1	533.8	524.5	515.3	509.1	507.0	502.9	506.0
47.5°	591.5	539.0	514.2	490.5	480.2	478.2	469.9	466.8	462.7	461.7	462.7
50°	516.3	483.3	460.6	447.2	440.0	436.9	432.8	426.6	424.6	429.7	427.7
52.5°	463.7	432.8	420.5	407.1	402.9	398.8	392.6	393.7	392.6	390.6	390.6
55°	411.2	391.6	379.2	368.9	367.9	363.8	358.6	356.6	355.5	353.5	356.6
57.5°	368.9	353.5	342.1	332.9	328.7	328.7	323.6	319.5	319.5	318.4	319.5
60°	326.7	311.2	304.0	294.7	291.6	290.6	287.5	285.5	282.4	282.4	282.4
62.5°	287.5	275.1	266.9	258.7	259.7	254.5	250.4	248.4	248.4	249.4	249.4
65°	250.4	242.2	231.9	224.7	222.6	221.6	219.5	218.5	215.4	217.4	217.4
67.5°	216.4	205.1	198.9	195.8	192.7	191.7	189.6	187.6	186.5	185.5	187.6
70°	182.4	173.1	168.0	165.9	162.8	161.8	160.8	157.7	158.7	159.7	160.8
72.5°	151.5	143.2	142.2	136.0	136.0	136.0	131.9	134.0	132.9	130.9	132.9
75°	119.5	115.4	113.4	110.3	111.3	110.3	109.2	106.1	106.1	107.2	108.2
77.5°	94.8	90.7	89.7	86.6	84.5	86.6	84.5	83.5	83.5	84.5	84.5
80°	70.1	68.0	64.9	64.9	64.9	63.9	63.9	63.9	62.9	61.8	62.9
82.5°	46.4	46.4	45.3	44.3	45.3	43.3	44.3	44.3	44.3	44.3	44.3
85°	29.9	28.9	28.9	27.8	27.8	27.8	28.9	26.8	26.8	27.8	27.8
87.5°	13.4	13.4	13.4	14.4	13.4	13.4	13.4	14.4	13.4	13.4	13.4
90°	22.5	23.7	24.9	26.1	26.7	26.9	27.4	27.9	28.3	28.8	28.3
92.5°	26.1	26.5	27.0	27.5	27.7	27.8	28.1	28.3	28.6	28.8	28.6
95°	42.8	44.0	45.1	46.3	46.9	46.8	46.6	46.3	46.1	45.9	46.1
97.5°	55.1	55.8	56.5	57.2	57.6	57.7	58.0	58.2	58.5	58.7	58.5
100°	62.7	64.6	66.5	68.4	69.3	69.5	70.0	70.5	71.0	71.5	71.0
102.5°	65.5	68.1	70.8	73.4	74.7	75.1	75.8	76.5	77.2	77.9	77.2
105°	67.7	70.3	72.9	75.5	76.8	77.3	78.2	79.2	80.1	81.1	80.1
107.5°	69.8	72.4	75.0	77.6	78.9	79.4	80.3	81.3	82.2	83.2	82.2
110°	163.0	139.3	115.6	91.9	80.0	80.5	81.4	82.4	83.3	84.3	83.3

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	439.8	337.6	235.4	133.2	82.1	82.5	83.2	83.9	84.6	85.3	84.6
115°	548.4	438.7	328.9	219.2	164.3	155.8	138.7	121.6	104.6	87.5	104.6
117.5°	682.0	648.1	614.2	580.3	563.3	532.2	470.1	408.0	345.9	283.8	345.9
120°	784.8	787.7	790.5	793.4	794.8	778.8	746.8	714.8	682.8	650.8	682.8
122.5°	846.3	847.8	849.2	850.7	851.4	851.5	851.7	852.0	852.2	852.4	852.2
125°	903.2	904.8	906.5	908.2	909.0	909.4	910.1	910.8	911.5	912.2	911.5
127.5°	956.2	958.5	960.9	963.2	964.4	964.5	964.8	965.0	965.3	965.5	965.3
130°	1006.5	1009.1	1011.7	1014.3	1015.6	1015.5	1015.3	1015.0	1014.8	1014.6	1014.8
132.5°	1056.2	1058.4	1060.5	1062.6	1063.7	1063.6	1063.3	1063.1	1062.8	1062.6	1062.8
135°	1102.3	1104.7	1107.0	1109.4	1110.6	1110.4	1109.9	1109.4	1109.0	1108.5	1109.0
137.5°	1146.1	1148.4	1150.8	1153.1	1154.3	1153.9	1153.2	1152.5	1151.8	1151.1	1151.8
140°	1188.4	1190.6	1192.7	1194.8	1195.9	1195.3	1194.1	1193.0	1191.8	1190.6	1191.8
142.5°	1227.7	1229.6	1231.5	1233.4	1234.4	1233.8	1232.6	1231.4	1230.2	1229.0	1230.2
145°	1263.8	1265.4	1267.1	1268.8	1269.6	1269.0	1267.8	1266.6	1265.4	1264.2	1265.4
147.5°	1296.4	1297.6	1298.7	1299.9	1300.5	1300.0	1299.1	1298.1	1297.2	1296.2	1297.2
150°	1325.4	1326.8	1328.3	1329.7	1330.4	1329.8	1328.6	1327.4	1326.2	1325.0	1326.2
152.5°	1352.0	1353.4	1354.9	1356.3	1357.0	1356.2	1354.5	1352.9	1351.2	1349.6	1351.2
155°	1375.5	1376.9	1378.4	1379.8	1380.5	1379.6	1377.7	1375.8	1373.9	1372.0	1373.9
157.5°	1396.0	1397.7	1399.3	1401.0	1401.8	1400.9	1399.0	1397.1	1395.2	1393.3	1395.2
160°	1413.9	1415.3	1416.8	1418.2	1418.9	1418.1	1416.4	1414.7	1413.1	1411.4	1413.1
162.5°	1430.2	1431.8	1433.5	1435.2	1436.0	1434.9	1432.8	1430.7	1428.5	1426.4	1428.5
165°	1443.0	1444.6	1446.3	1448.0	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1443.0
167.5°	1454.7	1456.4	1458.0	1459.7	1460.5	1459.4	1457.3	1455.2	1453.0	1450.9	1453.0
170°	1463.3	1464.9	1466.6	1468.3	1469.1	1468.0	1465.9	1463.8	1461.6	1459.5	1461.6
172.5°	1469.7	1471.3	1473.0	1474.7	1475.5	1474.4	1472.3	1470.2	1468.0	1465.9	1468.0
175°	1473.9	1475.6	1477.2	1478.9	1479.7	1478.5	1476.2	1473.8	1471.5	1469.1	1471.5
177.5°	1475.0	1476.6	1478.3	1480.0	1480.8	1479.7	1477.6	1475.5	1473.3	1471.2	1473.3
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7
2.5°	1421.1	1413.9	1407.7	1408.7	1413.9	1409.7	1399.4	1386.0	1380.9	1374.7	1380.9
5°	1506.6	1500.4	1488.1	1489.1	1486.0	1481.9	1465.4	1444.8	1444.8	1428.3	1426.2
7.5°	1591.1	1581.8	1573.6	1571.5	1560.2	1552.0	1537.5	1508.7	1497.3	1477.8	1466.4
10°	1685.9	1678.7	1669.4	1658.1	1651.9	1637.5	1613.8	1571.5	1550.9	1524.1	1504.6
12.5°	1781.8	1780.7	1760.1	1737.5	1736.4	1713.8	1697.3	1640.6	1612.8	1576.7	1530.3
15°	1842.6	1837.4	1826.1	1814.7	1817.8	1793.1	1756.0	1689.0	1670.5	1627.2	1577.7
17.5°	1841.5	1841.5	1838.4	1836.4	1833.3	1826.1	1805.5	1761.2	1731.3	1676.7	1630.3
20°	1782.8	1796.2	1799.3	1798.3	1808.6	1813.7	1812.7	1784.9	1761.2	1712.7	1665.3
22.5°	1665.3	1696.2	1709.6	1717.9	1739.5	1750.8	1777.6	1767.3	1761.2	1725.1	1684.9
25°	1556.1	1566.4	1606.6	1608.6	1638.5	1666.3	1693.1	1710.7	1733.3	1719.9	1685.9
27.5°	1414.9	1438.6	1467.5	1489.1	1495.3	1552.0	1596.3	1629.2	1680.8	1684.9	1673.6
30°	1255.2	1266.5	1313.9	1342.8	1375.7	1417.0	1480.9	1537.5	1583.9	1626.2	1640.6
32.5°	1060.4	1106.8	1134.6	1169.6	1198.5	1271.7	1350.0	1423.1	1476.7	1547.8	1578.8
35°	882.1	918.2	965.6	980.0	1032.6	1094.4	1196.4	1290.2	1371.6	1443.8	1506.6
37.5°	734.8	763.6	814.1	836.8	867.7	947.0	1032.6	1149.0	1246.9	1335.6	1413.9
40°	633.8	655.4	693.5	700.8	726.5	798.7	867.7	976.9	1106.8	1226.3	1311.8
42.5°	564.7	575.0	600.8	610.1	626.6	675.0	736.8	839.9	960.4	1084.1	1204.7
45°	515.3	522.5	537.9	546.2	566.8	588.4	638.9	721.4	816.2	940.9	1070.7
47.5°	470.9	480.2	486.4	491.6	502.9	526.6	559.6	620.4	711.1	825.4	951.2
50°	433.8	436.9	448.3	449.3	456.5	472.0	502.9	540.0	612.1	704.9	826.5
52.5°	396.7	399.8	407.1	414.3	417.4	429.7	450.3	481.3	534.8	608.0	716.2
55°	359.7	363.8	371.0	376.1	379.2	389.5	401.9	431.8	474.0	525.6	614.2
57.5°	322.6	331.8	333.9	337.0	342.1	353.5	364.8	382.3	415.3	462.7	527.6
60°	287.5	290.6	297.8	300.9	306.1	312.2	326.7	340.1	363.8	400.9	459.6
62.5°	251.4	258.7	261.8	264.8	269.0	276.2	285.5	299.9	320.5	350.4	396.7
65°	220.5	221.6	227.7	231.9	236.0	241.1	250.4	263.8	276.2	304.0	338.0
67.5°	190.6	192.7	194.8	198.9	204.0	209.2	217.4	224.7	240.1	258.7	285.5
70°	161.8	161.8	166.9	170.0	169.0	175.2	181.4	189.6	201.0	218.5	240.1
72.5°	136.0	135.0	139.1	140.2	142.2	146.3	150.5	158.7	164.9	178.3	194.8
75°	108.2	110.3	112.3	112.3	115.4	118.5	122.6	126.8	134.0	142.2	154.6
77.5°	85.5	85.5	87.6	88.6	91.7	90.7	94.8	98.9	104.1	111.3	120.6
80°	62.9	64.9	64.9	64.9	66.0	67.0	71.1	74.2	77.3	82.4	86.6
82.5°	44.3	44.3	46.4	46.4	46.4	48.4	48.4	49.5	51.5	54.6	57.7
85°	27.8	27.8	27.8	28.9	27.8	28.9	30.9	29.9	30.9	33.0	33.0
87.5°	13.4	13.4	13.4	13.4	13.4	14.4	13.4	14.4	15.5	15.5	15.5
90°	27.9	27.4	26.9	26.7	26.1	24.9	23.7	22.5	21.3	19.4	17.5
92.5°	28.3	28.1	27.8	27.7	27.5	27.0	26.5	26.1	25.6	24.9	24.2
95°	46.3	46.6	46.8	46.9	46.3	45.1	44.0	42.8	41.6	39.9	38.3
97.5°	58.2	58.0	57.7	57.6	57.2	56.5	55.8	55.1	54.4	50.6	46.8
100°	70.5	70.0	69.5	69.3	68.4	66.5	64.6	62.7	60.8	56.8	52.8
102.5°	76.5	75.8	75.1	74.7	73.4	70.8	68.1	65.5	62.9	106.1	149.2
105°	79.2	78.2	77.3	76.8	75.5	72.9	70.3	67.7	65.1	129.8	194.5
107.5°	81.3	80.3	79.4	78.9	77.6	75.0	72.4	69.8	67.2	147.1	227.0
110°	82.4	81.4	80.5	80.0	91.9	115.6	139.3	163.0	186.7	255.2	323.7

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.9	83.2	82.5	82.1	133.2	235.4	337.6	439.8	542.0	546.0	550.0
115°	121.6	138.7	155.8	164.3	219.2	328.9	438.7	548.4	658.2	652.3	646.4
117.5°	408.0	470.1	532.2	563.3	580.3	614.2	648.1	682.0	715.9	711.9	707.8
120°	714.8	746.8	778.8	794.8	793.4	790.5	787.7	784.8	782.0	777.7	773.5
122.5°	852.0	851.7	851.5	851.4	850.7	849.2	847.8	846.3	844.9	840.2	835.4
125°	910.8	910.1	909.4	909.0	908.2	906.5	904.8	903.2	901.5	897.0	892.5
127.5°	965.0	964.8	964.5	964.4	963.2	960.9	958.5	956.2	953.8	950.2	946.7
130°	1015.0	1015.3	1015.5	1015.6	1014.3	1011.7	1009.1	1006.5	1003.9	1001.3	998.7
132.5°	1063.1	1063.3	1063.6	1063.7	1062.6	1060.5	1058.4	1056.2	1054.1	1051.5	1048.9
135°	1109.4	1109.9	1110.4	1110.6	1109.4	1107.0	1104.7	1102.3	1099.9	1097.8	1095.6
137.5°	1152.5	1153.2	1153.9	1154.3	1153.1	1150.8	1148.4	1146.1	1143.7	1141.3	1138.9
140°	1193.0	1194.1	1195.3	1195.9	1194.8	1192.7	1190.6	1188.4	1186.3	1183.7	1181.1
142.5°	1231.4	1232.6	1233.8	1234.4	1233.4	1231.5	1229.6	1227.7	1225.8	1222.7	1219.6
145°	1266.6	1267.8	1269.0	1269.6	1268.8	1267.1	1265.4	1263.8	1262.1	1258.1	1254.1
147.5°	1298.1	1299.1	1300.0	1300.5	1299.9	1298.7	1297.6	1296.4	1295.2	1291.2	1287.1
150°	1327.4	1328.6	1329.8	1330.4	1329.7	1328.3	1326.8	1325.4	1324.0	1320.2	1316.4
152.5°	1352.9	1354.5	1356.2	1357.0	1356.3	1354.9	1353.4	1352.0	1350.6	1347.0	1343.5
155°	1375.8	1377.7	1379.6	1380.5	1379.8	1378.4	1376.9	1375.5	1374.1	1371.3	1368.4
157.5°	1397.1	1399.0	1400.9	1401.8	1401.0	1399.3	1397.7	1396.0	1394.4	1392.3	1390.1
160°	1414.7	1416.4	1418.1	1418.9	1418.2	1416.8	1415.3	1413.9	1412.5	1411.1	1409.7
162.5°	1430.7	1432.8	1434.9	1436.0	1435.2	1433.5	1431.8	1430.2	1428.5	1427.3	1426.1
165°	1444.6	1446.3	1448.0	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1440.6	1439.9
167.5°	1455.2	1457.3	1459.4	1460.5	1459.7	1458.0	1456.4	1454.7	1453.1	1452.4	1451.7
170°	1463.8	1465.9	1468.0	1469.1	1468.3	1466.6	1464.9	1463.3	1461.6	1461.1	1460.7
172.5°	1470.2	1472.3	1474.4	1475.5	1474.7	1473.0	1471.3	1469.7	1468.0	1467.5	1467.1
175°	1473.8	1476.2	1478.5	1479.7	1478.9	1477.2	1475.6	1473.9	1472.3	1471.8	1471.3
177.5°	1475.5	1477.6	1479.7	1480.8	1480.0	1478.3	1476.6	1475.0	1473.3	1473.1	1472.9
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7
2.5°	1375.7	1370.6	1367.5	1369.6	1363.4	1347.9	1347.9	1353.1	1346.9	1340.7	1331.4
5°	1413.9	1403.6	1397.4	1396.4	1381.9	1357.2	1352.0	1346.9	1333.5	1319.1	1303.6
7.5°	1451.0	1432.4	1422.1	1414.9	1394.3	1362.3	1348.9	1337.6	1316.0	1294.3	1274.8
10°	1481.9	1455.1	1442.7	1431.4	1404.6	1364.4	1342.8	1322.2	1294.3	1266.5	1241.8
12.5°	1506.6	1475.7	1460.2	1443.8	1410.8	1358.2	1331.4	1298.5	1270.6	1233.5	1208.8
15°	1547.8	1483.9	1469.5	1454.1	1420.1	1347.9	1314.9	1277.8	1239.7	1190.2	1163.5
17.5°	1580.8	1495.3	1494.3	1461.3	1417.0	1343.8	1293.3	1244.9	1203.6	1154.2	1111.9
20°	1600.4	1512.8	1496.3	1462.3	1406.7	1316.0	1263.4	1209.8	1165.5	1105.7	1063.5
22.5°	1616.9	1537.5	1494.3	1453.0	1385.0	1306.7	1229.4	1178.9	1118.1	1053.2	1013.0
25°	1623.1	1542.7	1497.3	1449.9	1369.6	1279.9	1192.3	1137.7	1069.7	1010.9	956.3
27.5°	1624.1	1541.7	1486.0	1436.5	1347.9	1244.9	1155.2	1097.5	1022.3	954.3	899.6
30°	1613.8	1530.3	1479.8	1426.2	1327.3	1212.9	1109.9	1046.0	965.6	897.6	840.9
32.5°	1582.9	1507.6	1466.4	1407.7	1300.5	1168.6	1066.6	995.5	911.0	844.0	789.4
35°	1531.3	1479.8	1434.5	1379.9	1265.5	1127.4	1023.3	939.8	854.3	790.4	738.9
37.5°	1467.5	1439.6	1397.4	1343.8	1225.3	1090.3	974.9	882.1	796.6	734.8	684.3
40°	1380.9	1388.1	1346.9	1298.5	1177.9	1039.8	912.0	823.4	743.0	685.3	635.8
42.5°	1287.1	1317.0	1293.3	1246.9	1125.3	984.1	865.6	767.7	689.4	629.6	588.4
45°	1186.1	1237.7	1223.2	1189.2	1070.7	925.4	799.7	704.9	635.8	578.1	542.1
47.5°	1075.9	1149.0	1149.0	1124.3	1009.9	866.7	743.0	646.1	578.1	536.9	501.9
50°	963.5	1046.0	1059.4	1042.9	941.9	799.7	674.0	586.4	527.6	487.4	461.7
52.5°	846.1	941.9	966.6	958.4	869.8	735.8	617.3	531.7	478.2	443.1	420.5
55°	733.7	845.0	871.8	874.9	792.5	665.7	554.4	479.2	427.7	404.0	384.4
57.5°	627.6	734.8	764.6	769.8	714.1	601.8	495.7	429.7	383.4	363.8	348.3
60°	536.9	626.6	665.7	677.1	628.6	527.6	441.1	377.2	342.1	323.6	309.2
62.5°	462.7	534.8	576.1	579.2	557.5	462.7	384.4	330.8	300.9	284.4	277.2
65°	390.6	455.5	480.2	492.6	475.1	400.9	331.8	287.5	263.8	249.4	242.2
67.5°	332.9	374.1	394.7	411.2	393.7	338.0	282.4	246.3	228.8	214.3	210.2
70°	273.1	307.1	322.6	339.0	323.6	281.3	241.1	208.2	192.7	181.4	176.2
72.5°	218.5	245.3	259.7	270.0	260.7	225.7	192.7	170.0	158.7	150.5	147.4
75°	173.1	191.7	199.9	207.1	203.0	176.2	155.6	137.1	126.8	119.5	117.5
77.5°	131.9	145.3	154.6	156.6	151.5	134.0	116.4	105.1	96.9	92.7	90.7
80°	93.8	102.0	107.2	110.3	105.1	97.9	85.5	77.3	70.1	64.9	63.9
82.5°	62.9	67.0	71.1	70.1	68.0	61.8	54.6	50.5	47.4	43.3	43.3
85°	36.1	37.1	39.2	40.2	39.2	35.0	30.9	28.9	26.8	23.7	23.7
87.5°	15.5	16.5	16.5	17.5	15.5	15.5	13.4	11.3	11.3	10.3	9.3
90°	15.6	13.7	12.8	11.5	8.9	6.3	3.7	1.1	3.7	6.3	8.9
92.5°	23.5	22.8	22.4	22.9	23.8	24.8	25.7	26.7	25.7	24.8	23.8
95°	36.6	34.9	34.1	38.0	45.8	53.7	61.5	69.3	61.5	53.7	45.8
97.5°	43.0	39.2	37.3	47.0	66.5	85.9	105.4	124.8	105.4	85.9	66.5
100°	48.7	44.7	42.7	58.9	91.4	123.9	156.3	188.8	156.3	123.9	91.4
102.5°	192.4	235.5	257.1	257.3	257.8	258.3	258.7	259.2	258.7	258.3	257.8
105°	259.2	323.9	356.3	352.7	345.6	338.5	331.4	324.3	331.4	338.5	345.6
107.5°	306.9	386.8	426.7	423.7	417.8	411.9	406.0	400.1	406.0	411.9	417.8
110°	392.2	460.7	495.0	492.5	487.5	482.6	477.6	472.6	477.6	482.6	487.5

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	554.1	558.1	560.1	558.0	553.7	549.4	545.2	540.9	545.2	549.4	553.7
115°	640.5	634.6	631.6	629.6	625.5	621.5	617.4	613.4	617.4	621.5	625.5
117.5°	703.8	699.7	697.7	695.3	690.6	685.9	681.1	676.4	681.1	685.9	690.6
120°	769.2	764.9	762.8	761.0	757.5	753.9	750.4	746.8	750.4	753.9	757.5
122.5°	830.7	826.0	823.6	821.7	817.9	814.1	810.3	806.5	810.3	814.1	817.9
125°	888.0	883.5	881.2	879.7	876.6	873.5	870.5	867.4	870.5	873.5	876.6
127.5°	943.1	939.6	937.8	936.1	932.8	929.5	926.1	922.8	926.1	929.5	932.8
130°	996.1	993.5	992.2	990.3	986.5	982.7	978.9	975.1	978.9	982.7	986.5
132.5°	1046.2	1043.6	1042.3	1040.8	1037.7	1034.6	1031.5	1028.4	1031.5	1034.6	1037.7
135°	1093.5	1091.4	1090.3	1088.4	1084.6	1080.9	1077.1	1073.3	1077.1	1080.9	1084.6
137.5°	1136.6	1134.2	1133.0	1131.6	1128.7	1125.9	1123.0	1120.2	1123.0	1125.9	1128.7
140°	1178.5	1175.9	1174.6	1173.7	1171.8	1169.9	1168.0	1166.1	1168.0	1169.9	1171.8
142.5°	1216.5	1213.4	1211.9	1211.1	1209.4	1207.8	1206.1	1204.5	1206.1	1207.8	1209.4
145°	1250.0	1246.0	1244.0	1244.1	1244.3	1244.6	1244.8	1245.0	1244.8	1244.6	1244.3
147.5°	1283.1	1279.0	1277.0	1277.4	1278.1	1278.8	1279.5	1280.2	1279.5	1278.8	1278.1
150°	1312.6	1308.8	1306.9	1307.7	1309.4	1311.1	1312.7	1314.4	1312.7	1311.1	1309.4
152.5°	1339.9	1336.4	1334.6	1335.6	1337.5	1339.4	1341.3	1343.2	1341.3	1339.4	1337.5
155°	1365.6	1362.7	1361.3	1362.4	1364.5	1366.6	1368.8	1370.9	1368.8	1366.6	1364.5
157.5°	1388.0	1385.9	1384.8	1385.7	1387.6	1389.5	1391.4	1393.3	1391.4	1389.5	1387.6
160°	1408.2	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5	1411.1	1409.7	1408.2
162.5°	1425.0	1423.8	1423.2	1423.9	1425.3	1426.8	1428.2	1429.6	1428.2	1426.8	1425.3
165°	1439.2	1438.5	1438.1	1438.8	1440.2	1441.7	1443.1	1444.5	1443.1	1441.7	1440.2
167.5°	1451.0	1450.3	1449.9	1450.6	1452.0	1453.5	1454.9	1456.3	1454.9	1453.5	1452.0
170°	1460.2	1459.7	1459.5	1460.2	1461.6	1463.1	1464.5	1465.9	1464.5	1463.1	1461.6
172.5°	1466.6	1466.1	1465.9	1466.6	1468.0	1469.5	1470.9	1472.3	1470.9	1469.5	1468.0
175°	1470.8	1470.3	1470.1	1470.9	1472.6	1474.3	1475.9	1477.6	1475.9	1474.3	1472.6
177.5°	1472.6	1472.4	1472.3	1473.1	1474.8	1476.4	1478.1	1479.7	1478.1	1476.4	1474.8
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7
2.5°	1326.3	1331.4	1330.4	1320.1	1308.8	1299.5	1282.0	1284.0	1277.8	1278.9	1285.1
5°	1293.3	1293.3	1289.2	1274.8	1256.2	1245.9	1226.3	1221.2	1208.8	1207.8	1206.7
7.5°	1258.3	1253.1	1248.0	1227.3	1204.7	1188.2	1161.4	1155.2	1142.8	1134.6	1130.5
10°	1217.0	1209.8	1199.5	1175.8	1148.0	1127.4	1099.6	1091.3	1067.6	1057.3	1051.1
12.5°	1171.7	1167.6	1151.1	1131.5	1086.2	1063.5	1023.3	1031.5	1007.8	987.2	984.1
15°	1126.4	1110.9	1101.6	1069.7	1015.1	1004.8	972.8	956.3	934.7	918.2	918.2
17.5°	1082.0	1058.3	1037.7	1003.7	963.5	934.7	911.0	902.7	875.9	859.5	856.4
20°	1023.3	996.5	991.4	942.9	915.1	883.2	860.5	839.9	820.3	813.1	807.9
22.5°	967.7	936.7	928.5	887.3	859.5	827.5	804.8	790.4	776.0	770.8	761.6
25°	907.9	889.3	877.0	832.7	801.7	771.9	756.4	746.1	732.7	731.7	725.5
27.5°	850.2	832.7	820.3	778.0	755.4	727.5	715.2	703.8	696.6	693.5	690.4
30°	800.7	781.1	766.7	735.8	708.0	685.3	675.0	667.8	663.7	658.5	657.5
32.5°	746.1	734.8	715.2	691.5	669.8	648.2	642.0	636.9	630.7	628.6	627.6
35°	699.7	684.3	671.9	645.1	635.8	617.3	610.1	605.9	597.7	595.6	593.6
37.5°	654.4	640.0	626.6	610.1	592.5	582.2	578.1	571.9	567.8	568.8	566.8
40°	609.0	597.7	587.4	569.9	559.6	554.4	546.2	540.0	537.9	539.0	537.9
42.5°	564.7	554.4	548.2	534.8	524.5	519.4	514.2	508.0	511.1	511.1	514.2
45°	524.5	515.3	511.1	500.8	494.6	486.4	481.3	480.2	484.3	483.3	483.3
47.5°	483.3	480.2	475.1	465.8	457.5	452.4	451.4	451.4	455.5	457.5	456.5
50°	451.4	445.2	439.0	431.8	425.6	423.5	420.5	422.5	426.6	426.6	428.7
52.5°	411.2	407.1	405.0	398.8	394.7	394.7	394.7	395.7	398.8	401.9	400.9
55°	376.1	373.0	371.0	367.9	362.7	363.8	362.7	364.8	367.9	371.0	373.0
57.5°	339.0	338.0	335.9	330.8	330.8	329.8	332.9	333.9	339.0	341.1	344.2
60°	306.1	303.0	303.0	298.9	298.9	298.9	301.9	305.0	309.2	310.2	312.2
62.5°	271.0	271.0	270.0	266.9	266.9	270.0	271.0	275.1	277.2	277.2	280.3
65°	238.0	237.0	236.0	237.0	238.0	238.0	241.1	243.2	245.3	246.3	247.3
67.5°	205.1	204.0	206.1	205.1	207.1	211.3	210.2	213.3	216.4	216.4	217.4
70°	174.2	176.2	175.2	177.2	176.2	178.3	181.4	182.4	182.4	183.4	186.5
72.5°	145.3	145.3	145.3	144.3	145.3	147.4	149.4	150.5	152.5	153.5	156.6
75°	117.5	117.5	115.4	117.5	117.5	119.5	121.6	121.6	121.6	123.7	126.8
77.5°	88.6	89.7	88.6	90.7	90.7	91.7	93.8	92.7	94.8	95.8	96.9
80°	64.9	63.9	63.9	63.9	64.9	64.9	67.0	68.0	68.0	71.1	69.0
82.5°	41.2	42.3	41.2	42.3	42.3	43.3	42.3	43.3	44.3	46.4	45.3
85°	23.7	22.7	22.7	23.7	22.7	22.7	23.7	22.7	23.7	22.7	23.7
87.5°	9.3	8.2	8.2	8.2	8.2	7.2	7.2	6.2	6.2	6.2	5.2
90°	11.5	12.8	13.7	15.6	17.5	19.4	21.3	22.5	23.7	24.9	26.1
92.5°	22.9	22.4	22.8	23.5	24.2	24.9	25.6	26.1	26.5	27.0	27.5
95°	38.0	34.1	34.9	36.6	38.3	39.9	41.6	42.8	44.0	45.1	46.3
97.5°	47.0	37.3	39.2	43.0	46.8	50.6	54.4	55.1	55.8	56.5	57.2
100°	58.9	42.7	44.7	48.7	52.8	56.8	60.8	62.7	64.6	66.5	68.4
102.5°	257.3	257.1	235.5	192.4	149.2	106.1	62.9	65.5	68.1	70.8	73.4
105°	352.7	356.3	323.9	259.2	194.5	129.8	65.1	67.7	70.3	72.9	75.5
107.5°	423.7	426.7	386.8	306.9	227.0	147.1	67.2	69.8	72.4	75.0	77.6
110°	492.5	495.0	460.7	392.2	323.7	255.2	186.7	163.0	139.3	115.6	91.9

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	558.0	560.1	558.1	554.1	550.0	546.0	542.0	439.8	337.6	235.4	133.2
115°	629.6	631.6	634.6	640.5	646.4	652.3	658.2	548.4	438.7	328.9	219.2
117.5°	695.3	697.7	699.7	703.8	707.8	711.9	715.9	682.0	648.1	614.2	580.3
120°	761.0	762.8	764.9	769.2	773.5	777.7	782.0	784.8	787.7	790.5	793.4
122.5°	821.7	823.6	826.0	830.7	835.4	840.2	844.9	846.3	847.8	849.2	850.7
125°	879.7	881.2	883.5	888.0	892.5	897.0	901.5	903.2	904.8	906.5	908.2
127.5°	936.1	937.8	939.6	943.1	946.7	950.2	953.8	956.2	958.5	960.9	963.2
130°	990.3	992.2	993.5	996.1	998.7	1001.3	1003.9	1006.5	1009.1	1011.7	1014.3
132.5°	1040.8	1042.3	1043.6	1046.2	1048.9	1051.5	1054.1	1056.2	1058.4	1060.5	1062.6
135°	1088.4	1090.3	1091.4	1093.5	1095.6	1097.8	1099.9	1102.3	1104.7	1107.0	1109.4
137.5°	1131.6	1133.0	1134.2	1136.6	1138.9	1141.3	1143.7	1146.1	1148.4	1150.8	1153.1
140°	1173.7	1174.6	1175.9	1178.5	1181.1	1183.7	1186.3	1188.4	1190.6	1192.7	1194.8
142.5°	1211.1	1211.9	1213.4	1216.5	1219.6	1222.7	1225.8	1227.7	1229.6	1231.5	1233.4
145°	1244.1	1244.0	1246.0	1250.0	1254.1	1258.1	1262.1	1263.8	1265.4	1267.1	1268.8
147.5°	1277.4	1277.0	1279.0	1283.1	1287.1	1291.2	1295.2	1296.4	1297.6	1298.7	1299.9
150°	1307.7	1306.9	1308.8	1312.6	1316.4	1320.2	1324.0	1325.4	1326.8	1328.3	1329.7
152.5°	1335.6	1334.6	1336.4	1339.9	1343.5	1347.0	1350.6	1352.0	1353.4	1354.9	1356.3
155°	1362.4	1361.3	1362.7	1365.6	1368.4	1371.3	1374.1	1375.5	1376.9	1378.4	1379.8
157.5°	1385.7	1384.8	1385.9	1388.0	1390.1	1392.3	1394.4	1396.0	1397.7	1399.3	1401.0
160°	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5	1413.9	1415.3	1416.8	1418.2
162.5°	1423.9	1423.2	1423.8	1425.0	1426.1	1427.3	1428.5	1430.2	1431.8	1433.5	1435.2
165°	1438.8	1438.1	1438.5	1439.2	1439.9	1440.6	1441.3	1443.0	1444.6	1446.3	1448.0
167.5°	1450.6	1449.9	1450.3	1451.0	1451.7	1452.4	1453.1	1454.7	1456.4	1458.0	1459.7
170°	1460.2	1459.5	1459.7	1460.2	1460.7	1461.1	1461.6	1463.3	1464.9	1466.6	1468.3
172.5°	1466.6	1465.9	1466.1	1466.6	1467.1	1467.5	1468.0	1469.7	1471.3	1473.0	1474.7
175°	1470.9	1470.1	1470.3	1470.8	1471.3	1471.8	1472.3	1473.9	1475.6	1477.2	1478.9
177.5°	1473.1	1472.3	1472.4	1472.6	1472.9	1473.1	1473.3	1475.0	1476.6	1478.3	1480.0
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7
2.5°	1277.8	1280.9	1273.7	1271.7	1273.7	1266.5	1268.6	1270.6	1270.6	1273.7	1275.8
5°	1203.6	1199.5	1192.3	1190.2	1188.2	1191.3	1189.2	1192.3	1193.3	1200.6	1201.6
7.5°	1130.5	1124.3	1118.1	1111.9	1109.9	1104.7	1109.9	1109.9	1117.1	1115.0	1120.2
10°	1043.9	1042.9	1034.6	1031.5	1027.4	1019.2	1030.5	1027.4	1032.6	1041.9	1043.9
12.5°	980.0	968.7	973.8	959.4	964.6	956.3	957.4	957.4	965.6	966.6	964.6
15°	919.2	909.9	896.6	890.4	887.3	883.2	896.6	897.6	891.4	905.8	900.7
17.5°	857.4	857.4	845.0	841.9	833.7	837.8	835.7	836.8	834.7	845.0	850.2
20°	803.8	798.7	794.5	795.6	785.3	783.2	781.1	783.2	790.4	797.6	799.7
22.5°	760.5	757.4	747.1	749.2	740.9	744.0	742.0	747.1	748.2	748.2	755.4
25°	719.3	715.2	716.2	712.1	709.0	709.0	705.9	709.0	713.1	715.2	716.2
27.5°	688.4	685.3	680.1	677.1	679.1	674.0	678.1	681.2	681.2	679.1	681.2
30°	651.3	653.3	653.3	643.0	647.2	645.1	648.2	650.3	650.3	651.3	649.2
32.5°	626.6	620.4	619.3	618.3	618.3	614.2	614.2	617.3	618.3	619.3	622.4
35°	593.6	593.6	588.4	591.5	587.4	588.4	587.4	588.4	590.5	587.4	590.5
37.5°	563.7	564.7	562.7	564.7	565.8	563.7	561.6	565.8	563.7	563.7	561.6
40°	537.9	536.9	537.9	537.9	537.9	539.0	536.9	536.9	536.9	534.8	532.8
42.5°	516.3	510.1	512.2	513.2	510.1	510.1	511.1	510.1	513.2	507.0	507.0
45°	485.4	483.3	484.3	484.3	486.4	483.3	485.4	486.4	483.3	482.3	480.2
47.5°	457.5	459.6	457.5	459.6	459.6	461.7	457.5	458.6	459.6	455.5	452.4
50°	429.7	429.7	432.8	431.8	432.8	430.8	430.8	429.7	430.8	428.7	425.6
52.5°	404.0	400.9	406.0	405.0	404.0	402.9	401.9	402.9	400.9	398.8	398.8
55°	372.0	372.0	375.1	376.1	376.1	374.1	372.0	373.0	372.0	371.0	370.0
57.5°	346.3	342.1	344.2	345.2	345.2	342.1	344.2	342.1	342.1	343.2	340.1
60°	313.3	313.3	311.2	314.3	314.3	312.2	312.2	313.3	311.2	310.2	309.2
62.5°	278.2	279.3	282.4	283.4	284.4	282.4	280.3	281.3	281.3	278.2	279.3
65°	248.4	250.4	254.5	253.5	251.4	252.5	250.4	251.4	248.4	249.4	246.3
67.5°	219.5	218.5	219.5	219.5	221.6	220.5	218.5	218.5	217.4	220.5	217.4
70°	188.6	188.6	188.6	188.6	189.6	190.6	188.6	186.5	187.6	185.5	184.5
72.5°	156.6	157.7	156.6	158.7	155.6	157.7	157.7	156.6	155.6	155.6	155.6
75°	126.8	128.8	125.7	126.8	125.7	127.8	126.8	126.8	124.7	123.7	124.7
77.5°	96.9	97.9	95.8	96.9	95.8	96.9	96.9	95.8	95.8	95.8	95.8
80°	69.0	70.1	69.0	68.0	67.0	69.0	67.0	68.0	69.0	68.0	70.1
82.5°	44.3	44.3	43.3	44.3	42.3	42.3	43.3	43.3	42.3	44.3	42.3
85°	21.6	21.6	23.7	21.6	20.6	20.6	20.6	21.6	20.6	22.7	21.6
87.5°	5.2	4.1	5.2	5.2	4.1	4.1	5.2	4.1	5.2	6.2	4.1
90°	26.7	26.9	27.4	27.9	28.3	28.8	28.3	27.9	27.4	26.9	26.7
92.5°	27.7	27.8	28.1	28.3	28.6	28.8	28.6	28.3	28.1	27.8	27.7
95°	46.9	46.8	46.6	46.3	46.1	45.9	46.1	46.3	46.6	46.8	46.9
97.5°	57.6	57.7	58.0	58.2	58.5	58.7	58.5	58.2	58.0	57.7	57.6
100°	69.3	69.5	70.0	70.5	71.0	71.5	71.0	70.5	70.0	69.5	69.3
102.5°	74.7	75.1	75.8	76.5	77.2	77.9	77.2	76.5	75.8	75.1	74.7
105°	76.8	77.3	78.2	79.2	80.1	81.1	80.1	79.2	78.2	77.3	76.8
107.5°	78.9	79.4	80.3	81.3	82.2	83.2	82.2	81.3	80.3	79.4	78.9
110°	80.0	80.5	81.4	82.4	83.3	84.3	83.3	82.4	81.4	80.5	80.0

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	82.1	82.5	83.2	83.9	84.6	85.3	84.6	83.9	83.2	82.5	82.1
115°	164.3	155.8	138.7	121.6	104.6	87.5	104.6	121.6	138.7	155.8	164.3
117.5°	563.3	532.2	470.1	408.0	345.9	283.8	345.9	408.0	470.1	532.2	563.3
120°	794.8	778.8	746.8	714.8	682.8	650.8	682.8	714.8	746.8	778.8	794.8
122.5°	851.4	851.5	851.7	852.0	852.2	852.4	852.2	852.0	851.7	851.5	851.4
125°	909.0	909.4	910.1	910.8	911.5	912.2	911.5	910.8	910.1	909.4	909.0
127.5°	964.4	964.5	964.8	965.0	965.3	965.5	965.3	965.0	964.8	964.5	964.4
130°	1015.6	1015.5	1015.3	1015.0	1014.8	1014.6	1014.8	1015.0	1015.3	1015.5	1015.6
132.5°	1063.7	1063.6	1063.3	1063.1	1062.8	1062.6	1062.8	1063.1	1063.3	1063.6	1063.7
135°	1110.6	1110.4	1109.9	1109.4	1109.0	1108.5	1109.0	1109.4	1109.9	1110.4	1110.6
137.5°	1154.3	1153.9	1153.2	1152.5	1151.8	1151.1	1151.8	1152.5	1153.2	1153.9	1154.3
140°	1195.9	1195.3	1194.1	1193.0	1191.8	1190.6	1191.8	1193.0	1194.1	1195.3	1195.9
142.5°	1234.4	1233.8	1232.6	1231.4	1230.2	1229.0	1230.2	1231.4	1232.6	1233.8	1234.4
145°	1269.6	1269.0	1267.8	1266.6	1265.4	1264.2	1265.4	1266.6	1267.8	1269.0	1269.6
147.5°	1300.5	1300.0	1299.1	1298.1	1297.2	1296.2	1297.2	1298.1	1299.1	1300.0	1300.5
150°	1330.4	1329.8	1328.6	1327.4	1326.2	1325.0	1326.2	1327.4	1328.6	1329.8	1330.4
152.5°	1357.0	1356.2	1354.5	1352.9	1351.2	1349.6	1351.2	1352.9	1354.5	1356.2	1357.0
155°	1380.5	1379.6	1377.7	1375.8	1373.9	1372.0	1373.9	1375.8	1377.7	1379.6	1380.5
157.5°	1401.8	1400.9	1399.0	1397.1	1395.2	1393.3	1395.2	1397.1	1399.0	1400.9	1401.8
160°	1418.9	1418.1	1416.4	1414.7	1413.1	1411.4	1413.1	1414.7	1416.4	1418.1	1418.9
162.5°	1436.0	1434.9	1432.8	1430.7	1428.5	1426.4	1428.5	1430.7	1432.8	1434.9	1436.0
165°	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1443.0	1444.6	1446.3	1448.0	1448.8
167.5°	1460.5	1459.4	1457.3	1455.2	1453.0	1450.9	1453.0	1455.2	1457.3	1459.4	1460.5
170°	1469.1	1468.0	1465.9	1463.8	1461.6	1459.5	1461.6	1463.8	1465.9	1468.0	1469.1
172.5°	1475.5	1474.4	1472.3	1470.2	1468.0	1465.9	1468.0	1470.2	1472.3	1474.4	1475.5
175°	1479.7	1478.5	1476.2	1473.8	1471.5	1469.1	1471.5	1473.8	1476.2	1478.5	1479.7
177.5°	1480.8	1479.7	1477.6	1475.5	1473.3	1471.2	1473.3	1475.5	1477.6	1479.7	1480.8
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7	1340.7
2.5°	1272.7	1280.9	1277.8	1266.5	1279.9	1279.9	1289.2	1289.2	1300.5	1304.6	1310.8
5°	1200.6	1206.7	1211.9	1206.7	1216.0	1230.4	1238.7	1245.9	1261.4	1267.5	1276.8
7.5°	1123.3	1134.6	1139.8	1139.8	1155.2	1171.7	1188.2	1198.5	1220.1	1228.4	1237.7
10°	1048.0	1061.4	1071.7	1070.7	1096.5	1106.8	1127.4	1151.1	1172.7	1185.1	1198.5
12.5°	968.7	975.9	990.3	1010.9	1017.1	1035.7	1059.4	1089.3	1128.4	1139.8	1159.3
15°	902.7	922.3	933.6	942.9	957.4	974.9	1000.6	1029.5	1068.6	1093.4	1114.0
17.5°	847.1	872.8	880.1	878.0	896.6	923.3	953.2	974.9	1009.9	1039.8	1059.4
20°	801.7	812.0	824.4	829.6	844.0	872.8	901.7	926.4	955.3	979.0	1001.7
22.5°	756.4	764.6	774.9	784.2	795.6	812.0	839.9	870.8	898.6	921.3	947.0
25°	719.3	724.5	733.7	740.9	753.3	764.6	784.2	818.2	851.2	864.6	887.3
27.5°	683.2	687.4	693.5	701.8	708.0	719.3	736.8	764.6	798.7	812.0	843.0
30°	651.3	654.4	660.6	664.7	667.8	681.2	694.6	716.2	742.0	760.5	783.2
32.5°	621.4	624.5	630.7	631.7	635.8	643.0	655.4	675.0	697.7	713.1	732.7
35°	588.4	590.5	596.7	598.7	601.8	608.0	617.3	631.7	652.3	663.7	681.2
37.5°	562.7	561.6	565.8	568.8	573.0	576.1	579.2	593.6	609.0	619.3	632.7
40°	534.8	532.8	533.8	537.9	540.0	544.1	544.1	558.5	568.8	577.1	587.4
42.5°	507.0	506.0	503.9	506.0	508.0	509.1	510.1	520.4	530.7	537.9	549.3
45°	479.2	478.2	476.1	477.1	477.1	479.2	482.3	486.4	493.6	499.8	506.0
47.5°	453.4	451.4	448.3	447.2	449.3	449.3	449.3	453.4	460.6	462.7	468.9
50°	426.6	423.5	419.4	417.4	417.4	416.3	418.4	419.4	425.6	427.7	432.8
52.5°	397.8	395.7	391.6	387.5	388.5	386.4	387.5	388.5	390.6	393.7	396.7
55°	368.9	364.8	361.7	360.7	357.6	357.6	354.5	358.6	357.6	358.6	362.7
57.5°	341.1	337.0	331.8	329.8	326.7	325.6	323.6	322.6	323.6	326.7	329.8
60°	308.1	306.1	303.0	299.9	297.8	294.7	292.7	292.7	291.6	291.6	292.7
62.5°	276.2	275.1	271.0	270.0	267.9	265.9	262.8	260.7	260.7	262.8	263.8
65°	245.3	244.2	241.1	240.1	235.0	232.9	231.9	230.8	228.8	228.8	228.8
67.5°	216.4	213.3	213.3	208.2	204.0	202.0	199.9	198.9	198.9	198.9	199.9
70°	184.5	184.5	181.4	178.3	174.2	175.2	172.1	169.0	169.0	166.9	168.0
72.5°	153.5	152.5	149.4	148.4	145.3	142.2	140.2	142.2	139.1	138.1	139.1
75°	123.7	122.6	120.6	118.5	119.5	116.4	113.4	112.3	112.3	110.3	110.3
77.5°	94.8	96.9	92.7	91.7	89.7	87.6	86.6	85.5	85.5	85.5	87.6
80°	66.0	67.0	67.0	64.9	66.0	62.9	62.9	62.9	59.8	60.8	61.8
82.5°	42.3	42.3	41.2	42.3	41.2	41.2	40.2	40.2	39.2	39.2	40.2
85°	23.7	22.7	21.6	23.7	22.7	22.7	21.6	21.6	21.6	21.6	21.6
87.5°	5.2	6.2	6.2	6.2	6.2	7.2	7.2	7.2	8.2	8.2	8.2
90°	26.1	24.9	23.7	22.5	21.3	19.4	17.5	15.6	13.7	12.8	11.5
92.5°	27.5	27.0	26.5	26.1	25.6	24.9	24.2	23.5	22.8	22.4	22.9
95°	46.3	45.1	44.0	42.8	41.6	39.9	38.3	36.6	34.9	34.1	38.0
97.5°	57.2	56.5	55.8	55.1	54.4	50.6	46.8	43.0	39.2	37.3	47.0
100°	68.4	66.5	64.6	62.7	60.8	56.8	52.8	48.7	44.7	42.7	58.9
102.5°	73.4	70.8	68.1	65.5	62.9	106.1	149.2	192.4	235.5	257.1	257.3
105°	75.5	72.9	70.3	67.7	65.1	129.8	194.5	259.2	323.9	356.3	352.7
107.5°	77.6	75.0	72.4	69.8	67.2	147.1	227.0	306.9	386.8	426.7	423.7
110°	91.9	115.6	139.3	163.0	186.7	255.2	323.7	392.2	460.7	495.0	492.5

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	133.2	235.4	337.6	439.8	542.0	546.0	550.0	554.1	558.1	560.1	558.0
115°	219.2	328.9	438.7	548.4	658.2	652.3	646.4	640.5	634.6	631.6	629.6
117.5°	580.3	614.2	648.1	682.0	715.9	711.9	707.8	703.8	699.7	697.7	695.3
120°	793.4	790.5	787.7	784.8	782.0	777.7	773.5	769.2	764.9	762.8	761.0
122.5°	850.7	849.2	847.8	846.3	844.9	840.2	835.4	830.7	826.0	823.6	821.7
125°	908.2	906.5	904.8	903.2	901.5	897.0	892.5	888.0	883.5	881.2	879.7
127.5°	963.2	960.9	958.5	956.2	953.8	950.2	946.7	943.1	939.6	937.8	936.1
130°	1014.3	1011.7	1009.1	1006.5	1003.9	1001.3	998.7	996.1	993.5	992.2	990.3
132.5°	1062.6	1060.5	1058.4	1056.2	1054.1	1051.5	1048.9	1046.2	1043.6	1042.3	1040.8
135°	1109.4	1107.0	1104.7	1102.3	1099.9	1097.8	1095.6	1093.5	1091.4	1090.3	1088.4
137.5°	1153.1	1150.8	1148.4	1146.1	1143.7	1141.3	1138.9	1136.6	1134.2	1133.0	1131.6
140°	1194.8	1192.7	1190.6	1188.4	1186.3	1183.7	1181.1	1178.5	1175.9	1174.6	1173.7
142.5°	1233.4	1231.5	1229.6	1227.7	1225.8	1222.7	1219.6	1216.5	1213.4	1211.9	1211.1
145°	1268.8	1267.1	1265.4	1263.8	1262.1	1258.1	1254.1	1250.0	1246.0	1244.0	1244.1
147.5°	1299.9	1298.7	1297.6	1296.4	1295.2	1291.2	1287.1	1283.1	1279.0	1277.0	1277.4
150°	1329.7	1328.3	1326.8	1325.4	1324.0	1320.2	1316.4	1312.6	1308.8	1306.9	1307.7
152.5°	1356.3	1354.9	1353.4	1352.0	1350.6	1347.0	1343.5	1339.9	1336.4	1334.6	1335.6
155°	1379.8	1378.4	1376.9	1375.5	1374.1	1371.3	1368.4	1365.6	1362.7	1361.3	1362.4
157.5°	1401.0	1399.3	1397.7	1396.0	1394.4	1392.3	1390.1	1388.0	1385.9	1384.8	1385.7
160°	1418.2	1416.8	1415.3	1413.9	1412.5	1411.1	1409.7	1408.2	1406.8	1406.1	1406.8
162.5°	1435.2	1433.5	1431.8	1430.2	1428.5	1427.3	1426.1	1425.0	1423.8	1423.2	1423.9
165°	1448.0	1446.3	1444.6	1443.0	1441.3	1440.6	1439.9	1439.2	1438.5	1438.1	1438.8
167.5°	1459.7	1458.0	1456.4	1454.7	1453.1	1452.4	1451.7	1451.0	1450.3	1449.9	1450.6
170°	1468.3	1466.6	1464.9	1463.3	1461.6	1461.1	1460.7	1460.2	1459.7	1459.5	1460.2
172.5°	1474.7	1473.0	1471.3	1469.7	1468.0	1467.5	1467.1	1466.6	1466.1	1465.9	1466.6
175°	1478.9	1477.2	1475.6	1473.9	1472.3	1471.8	1471.3	1470.8	1470.3	1470.1	1470.9
177.5°	1480.0	1478.3	1476.6	1475.0	1473.3	1473.1	1472.9	1472.6	1472.4	1472.3	1473.1
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1340.7	1340.7	1340.7	1340.7
2.5°	1316.0	1316.0	1331.4	1347.9
5°	1287.1	1294.3	1319.1	1341.7
7.5°	1259.3	1271.7	1302.6	1331.4
10°	1225.3	1241.8	1279.9	1313.9
12.5°	1192.3	1207.8	1252.1	1290.2
15°	1145.9	1165.5	1212.9	1260.3
17.5°	1099.6	1119.1	1176.9	1232.5
20°	1044.9	1070.7	1135.6	1209.8
22.5°	994.4	1026.4	1098.5	1158.3
25°	938.8	988.3	1055.3	1132.5
27.5°	889.3	938.8	1006.8	1085.1
30°	833.7	884.2	954.3	1026.4
32.5°	780.1	826.5	894.5	983.1
35°	724.5	768.8	834.7	924.4
37.5°	674.0	717.2	789.4	871.8
40°	624.5	669.8	731.7	814.1
42.5°	578.1	618.3	674.0	756.4
45°	535.9	564.7	616.2	693.5
47.5°	491.6	517.3	564.7	642.0
50°	450.3	472.0	513.2	585.3
52.5°	410.1	428.7	466.8	524.5
55°	374.1	391.6	419.4	476.1
57.5°	337.0	350.4	377.2	422.5
60°	300.9	313.3	334.9	372.0
62.5°	264.8	275.1	295.8	325.6
65°	232.9	241.1	256.6	282.4
67.5°	202.0	207.1	219.5	240.1
70°	172.1	176.2	186.5	203.0
72.5°	140.2	144.3	155.6	166.9
75°	113.4	114.4	122.6	131.9
77.5°	88.6	87.6	93.8	101.0
80°	60.8	63.9	69.0	72.1
82.5°	41.2	42.3	44.3	46.4
85°	22.7	23.7	23.7	26.8
87.5°	9.3	10.3	10.3	11.3
90°	8.9	6.3	3.7	1.1
92.5°	23.8	24.8	25.7	26.7
95°	45.8	53.7	61.5	69.3
97.5°	66.5	85.9	105.4	124.8
100°	91.4	123.9	156.3	188.8
102.5°	257.8	258.3	258.7	259.2
105°	345.6	338.5	331.4	324.3
107.5°	417.8	411.9	406.0	400.1
110°	487.5	482.6	477.6	472.6



TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	553.7	549.4	545.2	540.9
115°	625.5	621.5	617.4	613.4
117.5°	690.6	685.9	681.1	676.4
120°	757.5	753.9	750.4	746.8
122.5°	817.9	814.1	810.3	806.5
125°	876.6	873.5	870.5	867.4
127.5°	932.8	929.5	926.1	922.8
130°	986.5	982.7	978.9	975.1
132.5°	1037.7	1034.6	1031.5	1028.4
135°	1084.6	1080.9	1077.1	1073.3
137.5°	1128.7	1125.9	1123.0	1120.2
140°	1171.8	1169.9	1168.0	1166.1
142.5°	1209.4	1207.8	1206.1	1204.5
145°	1244.3	1244.6	1244.8	1245.0
147.5°	1278.1	1278.8	1279.5	1280.2
150°	1309.4	1311.1	1312.7	1314.4
152.5°	1337.5	1339.4	1341.3	1343.2
155°	1364.5	1366.6	1368.8	1370.9
157.5°	1387.6	1389.5	1391.4	1393.3
160°	1408.2	1409.7	1411.1	1412.5
162.5°	1425.3	1426.8	1428.2	1429.6
165°	1440.2	1441.7	1443.1	1444.5
167.5°	1452.0	1453.5	1454.9	1456.3
170°	1461.6	1463.1	1464.5	1465.9
172.5°	1468.0	1469.5	1470.9	1472.3
175°	1472.6	1474.3	1475.9	1477.6
177.5°	1474.8	1476.4	1478.1	1479.7
180°	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P998686

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.52	16.28	16.56	17.32	18.72	13.01	13.77	14.05	14.81	16.21
	3H	16.32	17.00	17.37	18.05	19.47	14.35	15.03	15.40	16.08	17.50
	4H	16.49	17.13	17.55	18.18	19.61	14.81	15.45	15.87	16.50	17.93
	6H	16.53	17.12	17.60	18.17	19.61	15.11	15.70	16.18	16.75	18.19
	8H	16.50	17.06	17.58	18.14	19.57	15.19	15.75	16.26	16.82	18.26
	12H	16.46	16.99	17.54	18.06	19.52	15.23	15.76	16.31	16.83	18.28
4H	2H	15.55	16.19	16.62	17.24	18.67	13.44	14.09	14.51	15.14	16.57
	3H	16.52	17.05	17.59	18.13	19.57	14.90	15.43	15.97	16.51	17.95
	4H	16.79	17.28	17.87	18.35	19.81	15.43	15.92	16.51	16.99	18.45
	6H	16.92	17.34	18.01	18.43	19.89	15.80	16.22	16.89	17.31	18.77
	8H	16.91	17.30	18.00	18.39	19.86	15.91	16.30	17.00	17.39	18.86
	12H	16.87	17.23	17.98	18.32	19.80	15.96	16.31	17.07	17.41	18.89
8H	4H	16.79	17.18	17.88	18.27	19.74	15.56	15.95	16.65	17.04	18.51
	6H	16.97	17.29	18.08	18.42	19.89	15.99	16.31	17.10	17.44	18.91
	8H	17.00	17.28	18.12	18.39	19.88	16.14	16.42	17.26	17.54	19.02
	12H	16.98	17.23	18.10	18.33	19.86	16.23	16.48	17.35	17.58	19.11
12H	4H	16.74	17.10	17.85	18.20	19.67	15.53	15.88	16.64	16.98	18.46
	6H	16.95	17.23	18.06	18.34	19.83	15.99	16.27	17.11	17.39	18.87
	8H	16.97	17.22	18.09	18.33	19.85	16.14	16.39	17.27	17.50	19.03