

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: P998687

Luminaire Tested: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998687
REPORT IS A COMBINATION OF REPORTS P984430 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_4000K
Description: Define 2 Direct/Indirect Pendant with 4000K BioUP LEDs {m-DER=0.865} {m-EER=0.951}
Light Source: -
Ballast/Driver: -

Summary

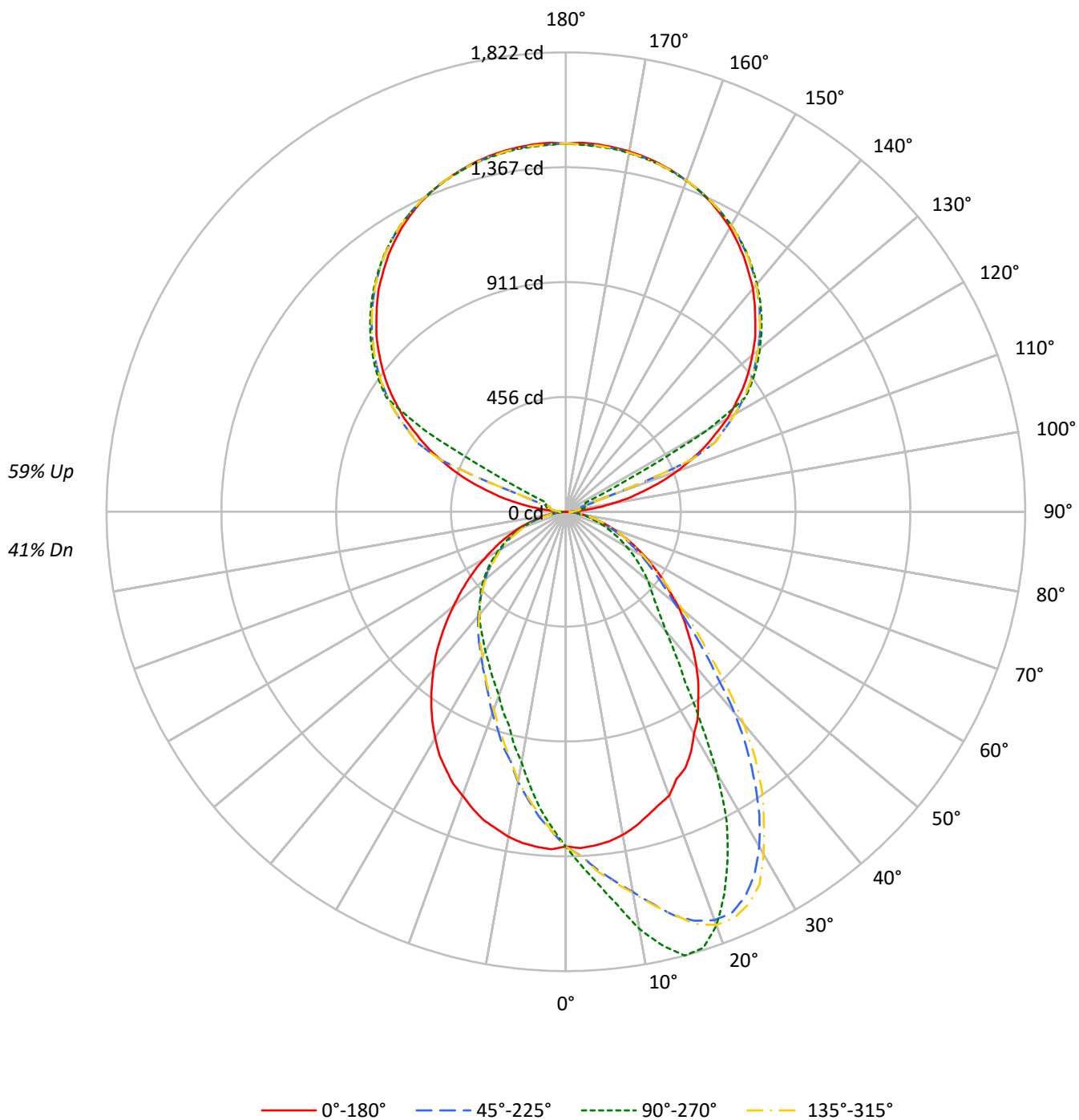
Lumens per Lamp: N/A
Luminaire Lumens: 7211.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	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°	21015	21015	21015	21015
5°	21065	22407	21146	17826
10°	20820	24460	20951	14697
15°	20316	25800	20597	12380
20°	19999	24224	19999	10760
25°	19360	20811	19448	9622
30°	18312	16359	18661	8716
35°	17383	11312	17674	7975
40°	16315	8542	16501	7384
45°	14998	7019	15244	6746
50°	13860	6160	13884	6174
55°	12561	5249	12644	5555
60°	11179	4385	11334	4849
65°	9940	3566	10121	4141
70°	8705	2799	8926	3340
75°	7306	2031	7591	2421
80°	5700	1287	6108	1438
85°	3743	649	4040	480

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	1.8
10°-20°	368.0	5.1
20°-30°	534.1	7.4
30°-40°	563.1	7.8
40°-50°	498.3	6.9
50°-60°	397.9	5.5
60°-70°	270.2	3.7
70°-80°	138.3	1.9
80°-90°	35.2	0.5
90°-100°	48.2	0.7
100°-110°	179.4	2.5
110°-120°	475.9	6.6
120°-130°	789.3	10.9
130°-140°	838.4	11.6
140°-150°	779.2	10.8
150°-160°	626.5	8.7
160°-170°	403.7	5.6
170°-180°	138.9	1.9
0°-30°	1028.6	14.3
0°-40°	1591.7	22.1
0°-60°	2487.8	34.5
0°-90°	2931.6	40.7
90°-120°	703.5	9.8
90°-150°	3110.4	43.1
90°-180°	4279.0	59.3
0°-180°	7211.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1328	1328	1328	1328	1328	
5°	1329	1483	1334	1180	1329	126
15°	1248	1822	1265	874	1248	352
25°	1121	1518	1126	702	1121	513
35°	915	826	931	583	915	573
45°	687	498	698	479	687	533
55°	471	350	474	370	471	421
65°	280	215	285	250	280	278
75°	131	106	136	126	131	140
85°	26	28	29	20	26	31
90°	1	28	1	28	1	5
95°	69	45	69	45	69	81
105°	321	80	321	80	321	343
115°	607	87	607	87	607	598
125°	859	903	859	903	859	766
135°	1063	1097	1063	1097	1063	821
145°	1233	1252	1233	1252	1233	771
155°	1357	1358	1357	1358	1357	625
165°	1430	1427	1430	1427	1430	404
175°	1463	1454	1463	1454	1463	139
180°	1460	1460	1460	1460	1460	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1334.7	1337.8	1342.9	1343.9	1354.1	1362.3	1371.4	1371.4	1374.5	1373.5	1365.3
5°	1328.6	1337.8	1351.0	1362.3	1380.6	1388.8	1401.0	1410.2	1418.4	1424.5	1423.5
7.5°	1318.4	1334.7	1354.1	1375.5	1400.0	1414.3	1431.6	1448.0	1459.2	1469.4	1476.5
10°	1301.0	1328.6	1355.1	1383.7	1415.3	1434.7	1455.1	1476.5	1493.9	1513.3	1531.6
12.5°	1277.6	1317.4	1350.0	1387.8	1426.5	1448.0	1480.6	1496.9	1530.6	1579.6	1592.9
15°	1248.0	1302.0	1332.7	1380.6	1431.6	1449.0	1493.9	1520.4	1589.8	1620.4	1657.2
17.5°	1220.4	1280.6	1321.4	1376.5	1426.5	1460.2	1504.1	1558.2	1616.3	1660.2	1701.0
20°	1198.0	1256.1	1305.1	1366.3	1429.6	1472.5	1518.4	1583.7	1646.9	1691.8	1723.5
22.5°	1146.9	1221.4	1278.6	1346.9	1423.5	1482.7	1526.5	1598.0	1666.3	1693.9	1721.4
25°	1121.4	1185.7	1252.0	1329.6	1419.4	1489.8	1527.6	1607.2	1667.4	1677.6	1683.7
27.5°	1074.5	1146.9	1224.5	1313.3	1418.4	1477.6	1525.5	1598.0	1645.9	1638.8	1620.4
30°	1016.3	1105.1	1190.8	1286.7	1404.1	1468.4	1513.3	1579.6	1604.1	1567.4	1534.7
32.5°	973.5	1057.1	1152.0	1263.3	1387.8	1449.0	1492.9	1544.9	1550.0	1483.7	1428.6
35°	915.3	1008.2	1115.3	1232.7	1360.2	1415.3	1456.1	1487.8	1463.3	1370.4	1305.1
37.5°	863.3	955.1	1069.4	1188.8	1322.5	1376.5	1409.2	1414.3	1354.1	1272.5	1176.5
40°	806.1	901.0	1020.4	1145.9	1280.6	1327.6	1348.0	1332.7	1245.9	1151.0	1039.8
42.5°	749.0	842.9	971.4	1100.0	1227.6	1267.4	1275.5	1233.7	1127.6	1016.3	887.8
45°	686.7	784.7	913.3	1042.9	1166.3	1188.8	1189.8	1129.6	1004.1	887.8	768.4
47.5°	635.7	726.5	854.1	983.7	1087.8	1103.1	1096.9	1027.6	890.8	760.2	656.1
50°	579.6	666.3	792.9	920.4	1009.2	1013.3	998.0	899.0	765.3	645.9	563.3
52.5°	519.4	607.1	723.5	845.9	925.5	919.4	889.8	783.7	658.2	559.2	495.9
55°	471.4	549.0	658.2	777.6	833.7	816.3	783.7	675.5	576.5	492.9	437.8
57.5°	418.4	486.7	593.9	698.0	730.6	714.3	681.6	580.6	488.8	425.5	388.8
60°	368.4	430.6	524.5	611.2	636.7	619.4	581.6	490.8	424.5	371.4	343.9
62.5°	322.5	376.5	455.1	534.7	544.9	527.6	494.9	421.4	364.3	322.5	302.0
65°	279.6	330.6	393.9	454.1	463.3	444.9	411.2	358.2	310.2	283.7	264.3
67.5°	237.8	278.6	334.7	378.6	383.7	366.3	338.8	295.9	266.3	237.8	223.5
70°	201.0	231.6	275.5	311.2	313.3	296.9	282.7	243.9	221.4	201.0	189.8
72.5°	165.3	186.7	220.4	246.9	248.0	237.8	224.5	200.0	180.6	166.3	155.1
75°	130.6	149.0	169.4	192.9	191.8	183.7	173.5	158.2	141.8	132.7	127.6
77.5°	100.0	111.2	127.6	142.9	142.9	138.8	132.7	121.4	111.2	102.0	96.9
80°	71.4	78.6	91.8	96.9	99.0	98.0	92.9	84.7	80.6	73.5	71.4
82.5°	45.9	51.0	57.1	62.2	65.3	63.3	62.2	58.2	52.0	50.0	48.0
85°	26.5	28.6	31.6	34.7	35.7	34.7	36.7	33.7	30.6	30.6	29.6
87.5°	11.2	12.2	14.3	14.3	15.3	15.3	14.3	15.3	15.3	14.3	13.3
90°	1.1	3.7	6.3	8.8	11.4	12.7	13.6	15.5	17.4	19.2	21.1
92.5°	26.4	25.5	24.5	23.6	22.7	22.2	22.5	23.2	23.9	24.6	25.3
95°	68.7	60.9	53.2	45.4	37.7	33.8	34.6	36.3	37.9	39.6	41.2
97.5°	123.6	104.4	85.1	65.9	46.6	37.0	38.9	42.6	46.4	50.1	53.9
100°	187.0	154.8	122.6	90.5	58.3	42.2	44.2	48.2	52.2	56.2	60.2
102.5°	256.7	256.2	255.8	255.3	254.8	254.6	233.2	190.5	147.8	105.0	62.3
105°	321.1	328.1	335.2	342.2	349.3	352.8	320.8	256.7	192.6	128.5	64.4
107.5°	396.1	402.0	407.8	413.7	419.6	422.5	382.9	303.8	224.7	145.6	66.5
110°	467.9	472.8	477.8	482.7	487.6	490.1	456.2	388.3	320.5	252.6	184.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	535.5	539.7	543.9	548.2	552.4	554.5	552.5	548.5	544.6	540.6	536.6
115°	607.3	611.3	615.3	619.3	623.3	625.3	628.2	634.1	640.0	645.8	651.7
117.5°	669.7	674.4	679.1	683.8	688.5	690.8	692.8	696.8	700.7	704.7	708.7
120°	739.4	742.9	746.4	749.9	753.4	755.2	757.3	761.5	765.8	770.0	774.2
122.5°	798.5	802.3	806.0	809.8	813.5	815.4	817.7	822.4	827.1	831.8	836.5
125°	858.7	861.8	864.8	867.9	871.0	872.5	874.7	879.2	883.6	888.1	892.5
127.5°	913.7	917.0	920.2	923.5	926.8	928.4	930.2	933.7	937.2	940.8	944.3
130°	965.4	969.2	972.9	976.7	980.4	982.3	983.6	986.2	988.7	991.3	993.9
132.5°	1018.2	1021.3	1024.3	1027.4	1030.5	1032.0	1033.3	1035.9	1038.4	1041.0	1043.6
135°	1062.6	1066.4	1070.1	1073.9	1077.6	1079.5	1080.6	1082.7	1084.8	1086.9	1089.0
137.5°	1109.1	1111.9	1114.7	1117.5	1120.3	1121.7	1122.9	1125.2	1127.6	1129.9	1132.3
140°	1154.5	1156.4	1158.2	1160.1	1162.0	1162.9	1164.2	1166.8	1169.3	1171.9	1174.5
142.5°	1192.5	1194.1	1195.8	1197.4	1199.1	1199.9	1201.4	1204.5	1207.5	1210.6	1213.6
145°	1232.6	1232.4	1232.2	1231.9	1231.7	1231.6	1233.6	1237.6	1241.5	1245.5	1249.5
147.5°	1267.5	1266.8	1266.1	1265.4	1264.7	1264.3	1266.3	1270.3	1274.3	1278.3	1282.3
150°	1301.3	1299.7	1298.0	1296.4	1294.7	1293.9	1295.8	1299.5	1303.3	1307.0	1310.8
152.5°	1329.8	1327.9	1326.1	1324.2	1322.3	1321.4	1323.2	1326.7	1330.2	1333.7	1337.2
155°	1357.3	1355.2	1353.1	1351.0	1348.9	1347.8	1349.2	1352.0	1354.8	1357.6	1360.4
157.5°	1379.5	1377.6	1375.7	1373.8	1371.9	1371.0	1372.1	1374.2	1376.3	1378.4	1380.5
160°	1398.5	1397.1	1395.7	1394.2	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5
162.5°	1415.4	1414.0	1412.6	1411.1	1409.7	1409.0	1409.6	1410.8	1411.9	1413.1	1414.3
165°	1430.2	1428.8	1427.4	1425.9	1424.5	1423.8	1424.2	1424.9	1425.6	1426.3	1427.0
167.5°	1441.8	1440.4	1439.0	1437.5	1436.1	1435.4	1435.8	1436.5	1437.2	1437.9	1438.6
170°	1451.3	1449.9	1448.5	1447.0	1445.6	1444.9	1445.1	1445.6	1446.1	1446.6	1447.1
172.5°	1457.6	1456.2	1454.8	1453.4	1452.0	1451.3	1451.5	1452.0	1452.5	1452.9	1453.4
175°	1462.9	1461.3	1459.6	1458.0	1456.3	1455.5	1455.7	1456.2	1456.7	1457.1	1457.6
177.5°	1465.0	1463.4	1461.7	1460.1	1458.4	1457.6	1457.7	1458.0	1458.2	1458.5	1458.7
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1379.6	1380.6	1382.7	1392.9	1398.0	1399.0	1394.9	1404.1	1407.2	1404.1	1402.0
5°	1444.9	1451.0	1463.3	1476.5	1475.5	1476.5	1482.7	1488.8	1490.8	1482.7	1485.7
7.5°	1502.1	1514.3	1527.6	1548.0	1548.0	1558.2	1562.3	1567.4	1579.6	1573.5	1571.4
10°	1567.4	1583.7	1608.2	1640.8	1641.8	1652.1	1662.3	1678.6	1683.7	1679.6	1681.6
12.5°	1649.0	1680.6	1682.7	1718.4	1734.7	1736.7	1753.1	1750.0	1760.2	1760.2	1777.6
15°	1684.7	1733.7	1761.2	1795.9	1806.1	1793.9	1807.2	1821.4	1822.5	1822.5	1821.4
17.5°	1749.0	1768.4	1795.9	1814.3	1818.4	1818.4	1819.4	1825.5	1821.4	1813.3	1819.4
20°	1762.3	1770.4	1780.6	1778.6	1780.6	1770.4	1760.2	1750.0	1751.0	1745.9	1761.2
22.5°	1737.8	1735.7	1712.3	1696.9	1696.9	1676.5	1657.2	1648.0	1638.8	1641.8	1646.9
25°	1676.5	1644.9	1616.3	1593.9	1588.8	1556.1	1529.6	1521.4	1506.1	1518.4	1520.4
27.5°	1578.6	1542.9	1496.9	1477.6	1451.0	1437.8	1419.4	1394.9	1363.3	1381.6	1378.6
30°	1473.5	1420.4	1382.7	1335.7	1293.9	1290.8	1256.1	1215.3	1199.0	1199.0	1208.2
32.5°	1356.1	1285.7	1230.6	1164.3	1123.5	1106.1	1064.3	1023.5	1032.7	1002.0	1013.3
35°	1219.4	1126.5	1057.1	992.9	962.3	941.8	887.8	865.3	840.8	826.5	853.1
37.5°	1088.8	981.6	892.9	822.5	811.2	774.5	737.8	723.5	709.2	715.3	714.3
40°	929.6	834.7	755.1	700.0	680.6	663.3	638.8	621.4	612.2	617.4	618.4
42.5°	785.7	706.1	646.9	608.2	591.8	579.6	567.4	553.1	550.0	550.0	554.1
45°	674.5	609.2	569.4	537.8	528.6	519.4	510.2	504.1	502.0	498.0	501.0
47.5°	585.7	533.7	509.2	485.7	475.5	473.5	465.3	462.2	458.2	457.1	458.2
50°	511.2	478.6	456.1	442.9	435.7	432.7	428.6	422.5	420.4	425.5	423.5
52.5°	459.2	428.6	416.3	403.1	399.0	394.9	388.8	389.8	388.8	386.7	386.7
55°	407.1	387.8	375.5	365.3	364.3	360.2	355.1	353.1	352.0	350.0	353.1
57.5°	365.3	350.0	338.8	329.6	325.5	325.5	320.4	316.3	316.3	315.3	316.3
60°	323.5	308.2	301.0	291.8	288.8	287.8	284.7	282.7	279.6	279.6	279.6
62.5°	284.7	272.5	264.3	256.1	257.1	252.0	248.0	245.9	245.9	246.9	246.9
65°	248.0	239.8	229.6	222.5	220.4	219.4	217.3	216.3	213.3	215.3	215.3
67.5°	214.3	203.1	196.9	193.9	190.8	189.8	187.8	185.7	184.7	183.7	185.7
70°	180.6	171.4	166.3	164.3	161.2	160.2	159.2	156.1	157.1	158.2	159.2
72.5°	150.0	141.8	140.8	134.7	134.7	134.7	130.6	132.7	131.6	129.6	131.6
75°	118.4	114.3	112.2	109.2	110.2	109.2	108.2	105.1	105.1	106.1	107.1
77.5°	93.9	89.8	88.8	85.7	83.7	85.7	83.7	82.7	82.7	83.7	83.7
80°	69.4	67.3	64.3	64.3	64.3	63.3	63.3	63.3	62.2	61.2	62.2
82.5°	45.9	45.9	44.9	43.9	44.9	42.9	43.9	43.9	43.9	43.9	43.9
85°	29.6	28.6	28.6	27.6	27.6	27.6	28.6	26.5	26.5	27.6	27.6
87.5°	13.3	13.3	13.3	14.3	13.3	13.3	13.3	14.3	13.3	13.3	13.3
90°	22.3	23.5	24.6	25.8	26.4	26.6	27.1	27.6	28.0	28.5	28.0
92.5°	25.8	26.3	26.8	27.3	27.5	27.6	27.8	28.1	28.3	28.5	28.3
95°	42.4	43.6	44.7	45.9	46.5	46.4	46.1	45.9	45.6	45.4	45.6
97.5°	54.6	55.3	56.0	56.7	57.0	57.1	57.4	57.6	57.9	58.1	57.9
100°	62.1	64.0	65.9	67.8	68.7	68.9	69.4	69.9	70.3	70.8	70.3
102.5°	64.9	67.5	70.0	72.6	73.9	74.3	75.0	75.7	76.4	77.1	76.4
105°	67.0	69.6	72.1	74.7	76.0	76.5	77.4	78.4	79.3	80.3	79.3
107.5°	69.1	71.7	74.3	76.9	78.2	78.7	79.6	80.5	81.5	82.4	81.5
110°	161.3	137.9	114.4	90.9	79.2	79.7	80.6	81.5	82.5	83.4	82.5

TEST NUMBER: P998687

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	435.4	334.2	233.1	131.9	81.3	81.7	82.4	83.1	83.8	84.5	83.8
115°	543.0	434.4	325.7	217.0	162.7	154.2	137.3	120.4	103.5	86.6	103.5
117.5°	675.1	641.6	608.0	574.5	557.7	527.0	465.5	404.0	342.5	281.0	342.5
120°	777.0	779.8	782.7	785.5	786.9	771.1	739.4	707.7	676.0	644.3	676.0
122.5°	837.9	839.3	840.8	842.2	842.9	843.0	843.2	843.5	843.7	843.9	843.7
125°	894.1	895.8	897.4	899.1	899.9	900.3	901.0	901.7	902.4	903.1	902.4
127.5°	946.6	949.0	951.3	953.6	954.8	954.9	955.2	955.4	955.7	955.9	955.7
130°	996.5	999.1	1001.6	1004.2	1005.5	1005.4	1005.2	1004.9	1004.7	1004.5	1004.7
132.5°	1045.7	1047.8	1049.9	1052.0	1053.1	1053.0	1052.7	1052.5	1052.2	1052.0	1052.2
135°	1091.4	1093.7	1096.1	1098.4	1099.6	1099.4	1098.9	1098.4	1097.9	1097.4	1097.9
137.5°	1134.7	1137.0	1139.4	1141.7	1142.9	1142.5	1141.8	1141.1	1140.4	1139.7	1140.4
140°	1176.6	1178.8	1180.9	1183.0	1184.1	1183.5	1182.3	1181.2	1180.0	1178.8	1180.0
142.5°	1215.5	1217.4	1219.3	1221.2	1222.1	1221.5	1220.3	1219.2	1218.0	1216.8	1218.0
145°	1251.1	1252.8	1254.4	1256.1	1256.9	1256.3	1255.2	1254.0	1252.9	1251.7	1252.9
147.5°	1283.5	1284.7	1285.8	1287.0	1287.6	1287.1	1286.2	1285.2	1284.3	1283.3	1284.3
150°	1312.2	1313.6	1315.0	1316.4	1317.1	1316.5	1315.4	1314.2	1313.1	1311.9	1313.1
152.5°	1338.6	1340.0	1341.4	1342.8	1343.5	1342.7	1341.1	1339.4	1337.8	1336.2	1337.8
155°	1361.8	1363.2	1364.7	1366.1	1366.8	1365.9	1364.0	1362.1	1360.2	1358.3	1360.2
157.5°	1382.1	1383.8	1385.4	1387.1	1387.9	1387.0	1385.1	1383.2	1381.4	1379.5	1381.4
160°	1399.9	1401.3	1402.7	1404.1	1404.8	1404.0	1402.3	1400.7	1399.0	1397.4	1399.0
162.5°	1415.9	1417.6	1419.2	1420.9	1421.7	1420.6	1418.5	1416.4	1414.3	1412.2	1414.3
165°	1428.6	1430.3	1431.9	1433.6	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1428.6
167.5°	1440.2	1441.9	1443.5	1445.2	1446.0	1444.9	1442.8	1440.7	1438.6	1436.5	1438.6
170°	1448.7	1450.4	1452.0	1453.7	1454.5	1453.4	1451.3	1449.2	1447.0	1444.9	1447.0
172.5°	1455.0	1456.7	1458.3	1460.0	1460.8	1459.7	1457.6	1455.5	1453.4	1451.3	1453.4
175°	1459.2	1460.9	1462.5	1464.2	1465.0	1463.8	1461.5	1459.2	1456.8	1454.5	1456.8
177.5°	1460.3	1462.0	1463.6	1465.3	1466.1	1465.0	1462.9	1460.8	1458.7	1456.6	1458.7
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998687

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1407.2	1400.0	1393.9	1394.9	1400.0	1395.9	1385.7	1372.5	1367.4	1361.2	1367.4
5°	1491.8	1485.7	1473.5	1474.5	1471.4	1467.4	1451.0	1430.6	1430.6	1414.3	1412.3
7.5°	1575.5	1566.3	1558.2	1556.1	1544.9	1536.7	1522.5	1493.9	1482.7	1463.3	1452.0
10°	1669.4	1662.3	1653.1	1641.8	1635.7	1621.4	1598.0	1556.1	1535.7	1509.2	1489.8
12.5°	1764.3	1763.3	1742.9	1720.4	1719.4	1696.9	1680.6	1624.5	1596.9	1561.2	1515.3
15°	1824.5	1819.4	1808.2	1796.9	1800.0	1775.5	1738.8	1672.5	1654.1	1611.2	1562.3
17.5°	1823.5	1823.5	1820.4	1818.4	1815.3	1808.2	1787.8	1743.9	1714.3	1660.2	1614.3
20°	1765.3	1778.6	1781.6	1780.6	1790.8	1795.9	1794.9	1767.4	1743.9	1695.9	1649.0
22.5°	1649.0	1679.6	1692.9	1701.0	1722.5	1733.7	1760.2	1750.0	1743.9	1708.2	1668.4
25°	1540.8	1551.0	1590.8	1592.9	1622.5	1650.0	1676.5	1693.9	1716.3	1703.1	1669.4
27.5°	1401.0	1424.5	1453.1	1474.5	1480.6	1536.7	1580.6	1613.3	1664.3	1668.4	1657.2
30°	1242.9	1254.1	1301.0	1329.6	1362.3	1403.1	1466.3	1522.5	1568.4	1610.2	1624.5
32.5°	1050.0	1095.9	1123.5	1158.2	1186.7	1259.2	1336.7	1409.2	1462.3	1532.7	1563.3
35°	873.5	909.2	956.1	970.4	1022.5	1083.7	1184.7	1277.6	1358.2	1429.6	1491.8
37.5°	727.6	756.1	806.1	828.6	859.2	937.8	1022.5	1137.8	1234.7	1322.5	1400.0
40°	627.6	649.0	686.7	693.9	719.4	790.8	859.2	967.4	1095.9	1214.3	1299.0
42.5°	559.2	569.4	594.9	604.1	620.4	668.4	729.6	831.6	951.0	1073.5	1192.9
45°	510.2	517.4	532.7	540.8	561.2	582.7	632.7	714.3	808.2	931.6	1060.2
47.5°	466.3	475.5	481.6	486.7	498.0	521.4	554.1	614.3	704.1	817.4	941.8
50°	429.6	432.7	443.9	444.9	452.0	467.3	498.0	534.7	606.1	698.0	818.4
52.5°	392.9	395.9	403.1	410.2	413.3	425.5	445.9	476.5	529.6	602.0	709.2
55°	356.1	360.2	367.3	372.5	375.5	385.7	398.0	427.6	469.4	520.4	608.2
57.5°	319.4	328.6	330.6	333.7	338.8	350.0	361.2	378.6	411.2	458.2	522.5
60°	284.7	287.8	294.9	298.0	303.1	309.2	323.5	336.7	360.2	396.9	455.1
62.5°	249.0	256.1	259.2	262.2	266.3	273.5	282.7	296.9	317.3	346.9	392.9
65°	218.4	219.4	225.5	229.6	233.7	238.8	248.0	261.2	273.5	301.0	334.7
67.5°	188.8	190.8	192.9	196.9	202.0	207.1	215.3	222.5	237.8	256.1	282.7
70°	160.2	160.2	165.3	168.4	167.3	173.5	179.6	187.8	199.0	216.3	237.8
72.5°	134.7	133.7	137.8	138.8	140.8	144.9	149.0	157.1	163.3	176.5	192.9
75°	107.1	109.2	111.2	111.2	114.3	117.3	121.4	125.5	132.7	140.8	153.1
77.5°	84.7	84.7	86.7	87.8	90.8	89.8	93.9	98.0	103.1	110.2	119.4
80°	62.2	64.3	64.3	64.3	65.3	66.3	70.4	73.5	76.5	81.6	85.7
82.5°	43.9	43.9	45.9	45.9	45.9	48.0	48.0	49.0	51.0	54.1	57.1
85°	27.6	27.6	27.6	28.6	27.6	28.6	30.6	29.6	30.6	32.7	32.7
87.5°	13.3	13.3	13.3	13.3	13.3	14.3	13.3	14.3	15.3	15.3	15.3
90°	27.6	27.1	26.6	26.4	25.8	24.6	23.5	22.3	21.1	19.2	17.4
92.5°	28.1	27.8	27.6	27.5	27.3	26.8	26.3	25.8	25.3	24.6	23.9
95°	45.9	46.1	46.4	46.5	45.9	44.7	43.6	42.4	41.2	39.6	37.9
97.5°	57.6	57.4	57.1	57.0	56.7	56.0	55.3	54.6	53.9	50.1	46.4
100°	69.9	69.4	68.9	68.7	67.8	65.9	64.0	62.1	60.2	56.2	52.2
102.5°	75.7	75.0	74.3	73.9	72.6	70.0	67.5	64.9	62.3	105.0	147.8
105°	78.4	77.4	76.5	76.0	74.7	72.1	69.6	67.0	64.4	128.5	192.6
107.5°	80.5	79.6	78.7	78.2	76.9	74.3	71.7	69.1	66.5	145.6	224.7
110°	81.5	80.6	79.7	79.2	90.9	114.4	137.9	161.3	184.8	252.6	320.5

TEST NUMBER: P998687

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.1	82.4	81.7	81.3	131.9	233.1	334.2	435.4	536.6	540.6	544.6
115°	120.4	137.3	154.2	162.7	217.0	325.7	434.4	543.0	651.7	645.8	640.0
117.5°	404.0	465.5	527.0	557.7	574.5	608.0	641.6	675.1	708.7	704.7	700.7
120°	707.7	739.4	771.1	786.9	785.5	782.7	779.8	777.0	774.2	770.0	765.8
122.5°	843.5	843.2	843.0	842.9	842.2	840.8	839.3	837.9	836.5	831.8	827.1
125°	901.7	901.0	900.3	899.9	899.1	897.4	895.8	894.1	892.5	888.1	883.6
127.5°	955.4	955.2	954.9	954.8	953.6	951.3	949.0	946.6	944.3	940.8	937.2
130°	1004.9	1005.2	1005.4	1005.5	1004.2	1001.6	999.1	996.5	993.9	991.3	988.7
132.5°	1052.5	1052.7	1053.0	1053.1	1052.0	1049.9	1047.8	1045.7	1043.6	1041.0	1038.4
135°	1098.4	1098.9	1099.4	1099.6	1098.4	1096.1	1093.7	1091.4	1089.0	1086.9	1084.8
137.5°	1141.1	1141.8	1142.5	1142.9	1141.7	1139.4	1137.0	1134.7	1132.3	1129.9	1127.6
140°	1181.2	1182.3	1183.5	1184.1	1183.0	1180.9	1178.8	1176.6	1174.5	1171.9	1169.3
142.5°	1219.2	1220.3	1221.5	1222.1	1221.2	1219.3	1217.4	1215.5	1213.6	1210.6	1207.5
145°	1254.0	1255.2	1256.3	1256.9	1256.1	1254.4	1252.8	1251.1	1249.5	1245.5	1241.5
147.5°	1285.2	1286.2	1287.1	1287.6	1287.0	1285.8	1284.7	1283.5	1282.3	1278.3	1274.3
150°	1314.2	1315.4	1316.5	1317.1	1316.4	1315.0	1313.6	1312.2	1310.8	1307.0	1303.3
152.5°	1339.4	1341.1	1342.7	1343.5	1342.8	1341.4	1340.0	1338.6	1337.2	1333.7	1330.2
155°	1362.1	1364.0	1365.9	1366.8	1366.1	1364.7	1363.2	1361.8	1360.4	1357.6	1354.8
157.5°	1383.2	1385.1	1387.0	1387.9	1387.1	1385.4	1383.8	1382.1	1380.5	1378.4	1376.3
160°	1400.7	1402.3	1404.0	1404.8	1404.1	1402.7	1401.3	1399.9	1398.5	1397.1	1395.7
162.5°	1416.4	1418.5	1420.6	1421.7	1420.9	1419.2	1417.6	1415.9	1414.3	1413.1	1411.9
165°	1430.3	1431.9	1433.6	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1426.3	1425.6
167.5°	1440.7	1442.8	1444.9	1446.0	1445.2	1443.5	1441.9	1440.2	1438.6	1437.9	1437.2
170°	1449.2	1451.3	1453.4	1454.5	1453.7	1452.0	1450.4	1448.7	1447.1	1446.6	1446.1
172.5°	1455.5	1457.6	1459.7	1460.8	1460.0	1458.3	1456.7	1455.0	1453.4	1452.9	1452.5
175°	1459.2	1461.5	1463.8	1465.0	1464.2	1462.5	1460.9	1459.2	1457.6	1457.1	1456.7
177.5°	1460.8	1462.9	1465.0	1466.1	1465.3	1463.6	1462.0	1460.3	1458.7	1458.5	1458.2
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1362.3	1357.2	1354.1	1356.1	1350.0	1334.7	1334.7	1339.8	1333.7	1327.6	1318.4
5°	1400.0	1389.8	1383.7	1382.7	1368.4	1343.9	1338.8	1333.7	1320.4	1306.1	1290.8
7.5°	1436.7	1418.4	1408.2	1401.0	1380.6	1349.0	1335.7	1324.5	1303.1	1281.6	1262.3
10°	1467.4	1440.8	1428.6	1417.4	1390.8	1351.0	1329.6	1309.2	1281.6	1254.1	1229.6
12.5°	1491.8	1461.2	1445.9	1429.6	1396.9	1344.9	1318.4	1285.7	1258.2	1221.4	1196.9
15°	1532.7	1469.4	1455.1	1439.8	1406.1	1334.7	1302.0	1265.3	1227.6	1178.6	1152.0
17.5°	1565.3	1480.6	1479.6	1446.9	1403.1	1330.6	1280.6	1232.7	1191.8	1142.9	1101.0
20°	1584.7	1498.0	1481.6	1448.0	1392.9	1303.1	1251.0	1198.0	1154.1	1094.9	1053.1
22.5°	1601.0	1522.5	1479.6	1438.8	1371.4	1293.9	1217.4	1167.4	1107.1	1042.9	1003.1
25°	1607.2	1527.6	1482.7	1435.7	1356.1	1267.4	1180.6	1126.5	1059.2	1001.0	946.9
27.5°	1608.2	1526.5	1471.4	1422.5	1334.7	1232.7	1143.9	1086.7	1012.3	944.9	890.8
30°	1598.0	1515.3	1465.3	1412.3	1314.3	1201.0	1099.0	1035.7	956.1	888.8	832.7
32.5°	1567.4	1492.9	1452.0	1393.9	1287.8	1157.2	1056.1	985.7	902.0	835.7	781.6
35°	1516.3	1465.3	1420.4	1366.3	1253.1	1116.3	1013.3	930.6	845.9	782.7	731.6
37.5°	1453.1	1425.5	1383.7	1330.6	1213.3	1079.6	965.3	873.5	788.8	727.6	677.6
40°	1367.4	1374.5	1333.7	1285.7	1166.3	1029.6	903.1	815.3	735.7	678.6	629.6
42.5°	1274.5	1304.1	1280.6	1234.7	1114.3	974.5	857.1	760.2	682.7	623.5	582.7
45°	1174.5	1225.5	1211.2	1177.6	1060.2	916.3	791.8	698.0	629.6	572.5	536.7
47.5°	1065.3	1137.8	1137.8	1113.3	1000.0	858.2	735.7	639.8	572.5	531.6	496.9
50°	954.1	1035.7	1049.0	1032.7	932.7	791.8	667.4	580.6	522.5	482.7	457.1
52.5°	837.8	932.7	957.1	949.0	861.2	728.6	611.2	526.5	473.5	438.8	416.3
55°	726.5	836.7	863.3	866.3	784.7	659.2	549.0	474.5	423.5	400.0	380.6
57.5°	621.4	727.6	757.1	762.2	707.1	595.9	490.8	425.5	379.6	360.2	344.9
60°	531.6	620.4	659.2	670.4	622.5	522.5	436.7	373.5	338.8	320.4	306.1
62.5°	458.2	529.6	570.4	573.5	552.0	458.2	380.6	327.6	298.0	281.6	274.5
65°	386.7	451.0	475.5	487.8	470.4	396.9	328.6	284.7	261.2	246.9	239.8
67.5°	329.6	370.4	390.8	407.1	389.8	334.7	279.6	243.9	226.5	212.2	208.2
70°	270.4	304.1	319.4	335.7	320.4	278.6	238.8	206.1	190.8	179.6	174.5
72.5°	216.3	242.9	257.1	267.3	258.2	223.5	190.8	168.4	157.1	149.0	145.9
75°	171.4	189.8	198.0	205.1	201.0	174.5	154.1	135.7	125.5	118.4	116.3
77.5°	130.6	143.9	153.1	155.1	150.0	132.7	115.3	104.1	95.9	91.8	89.8
80°	92.9	101.0	106.1	109.2	104.1	96.9	84.7	76.5	69.4	64.3	63.3
82.5°	62.2	66.3	70.4	69.4	67.3	61.2	54.1	50.0	46.9	42.9	42.9
85°	35.7	36.7	38.8	39.8	38.8	34.7	30.6	28.6	26.5	23.5	23.5
87.5°	15.3	16.3	16.3	17.3	15.3	15.3	13.3	11.2	11.2	10.2	9.2
90°	15.5	13.6	12.7	11.4	8.8	6.3	3.7	1.1	3.7	6.3	8.8
92.5°	23.2	22.5	22.2	22.7	23.6	24.5	25.5	26.4	25.5	24.5	23.6
95°	36.3	34.6	33.8	37.7	45.4	53.2	60.9	68.7	60.9	53.2	45.4
97.5°	42.6	38.9	37.0	46.6	65.9	85.1	104.4	123.6	104.4	85.1	65.9
100°	48.2	44.2	42.2	58.3	90.5	122.6	154.8	187.0	154.8	122.6	90.5
102.5°	190.5	233.2	254.6	254.8	255.3	255.8	256.2	256.7	256.2	255.8	255.3
105°	256.7	320.8	352.8	349.3	342.2	335.2	328.1	321.1	328.1	335.2	342.2
107.5°	303.8	382.9	422.5	419.6	413.7	407.8	402.0	396.1	402.0	407.8	413.7
110°	388.3	456.2	490.1	487.6	482.7	477.8	472.8	467.9	472.8	477.8	482.7

TEST NUMBER: P998687

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	548.5	552.5	554.5	552.4	548.2	543.9	539.7	535.5	539.7	543.9	548.2
115°	634.1	628.2	625.3	623.3	619.3	615.3	611.3	607.3	611.3	615.3	619.3
117.5°	696.8	692.8	690.8	688.5	683.8	679.1	674.4	669.7	674.4	679.1	683.8
120°	761.5	757.3	755.2	753.4	749.9	746.4	742.9	739.4	742.9	746.4	749.9
122.5°	822.4	817.7	815.4	813.5	809.8	806.0	802.3	798.5	802.3	806.0	809.8
125°	879.2	874.7	872.5	871.0	867.9	864.8	861.8	858.7	861.8	864.8	867.9
127.5°	933.7	930.2	928.4	926.8	923.5	920.2	917.0	913.7	917.0	920.2	923.5
130°	986.2	983.6	982.3	980.4	976.7	972.9	969.2	965.4	969.2	972.9	976.7
132.5°	1035.9	1033.3	1032.0	1030.5	1027.4	1024.3	1021.3	1018.2	1021.3	1024.3	1027.4
135°	1082.7	1080.6	1079.5	1077.6	1073.9	1070.1	1066.4	1062.6	1066.4	1070.1	1073.9
137.5°	1125.2	1122.9	1121.7	1120.3	1117.5	1114.7	1111.9	1109.1	1111.9	1114.7	1117.5
140°	1166.8	1164.2	1162.9	1162.0	1160.1	1158.2	1156.4	1154.5	1156.4	1158.2	1160.1
142.5°	1204.5	1201.4	1199.9	1199.1	1197.4	1195.8	1194.1	1192.5	1194.1	1195.8	1197.4
145°	1237.6	1233.6	1231.6	1231.7	1231.9	1232.2	1232.4	1232.6	1232.4	1232.2	1231.9
147.5°	1270.3	1266.3	1264.3	1264.7	1265.4	1266.1	1266.8	1267.5	1266.8	1266.1	1265.4
150°	1299.5	1295.8	1293.9	1294.7	1296.4	1298.0	1299.7	1301.3	1299.7	1298.0	1296.4
152.5°	1326.7	1323.2	1321.4	1322.3	1324.2	1326.1	1327.9	1329.8	1327.9	1326.1	1324.2
155°	1352.0	1349.2	1347.8	1348.9	1351.0	1353.1	1355.2	1357.3	1355.2	1353.1	1351.0
157.5°	1374.2	1372.1	1371.0	1371.9	1373.8	1375.7	1377.6	1379.5	1377.6	1375.7	1373.8
160°	1394.2	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5	1397.1	1395.7	1394.2
162.5°	1410.8	1409.6	1409.0	1409.7	1411.1	1412.6	1414.0	1415.4	1414.0	1412.6	1411.1
165°	1424.9	1424.2	1423.8	1424.5	1425.9	1427.4	1428.8	1430.2	1428.8	1427.4	1425.9
167.5°	1436.5	1435.8	1435.4	1436.1	1437.5	1439.0	1440.4	1441.8	1440.4	1439.0	1437.5
170°	1445.6	1445.1	1444.9	1445.6	1447.0	1448.5	1449.9	1451.3	1449.9	1448.5	1447.0
172.5°	1452.0	1451.5	1451.3	1452.0	1453.4	1454.8	1456.2	1457.6	1456.2	1454.8	1453.4
175°	1456.2	1455.7	1455.5	1456.3	1458.0	1459.6	1461.3	1462.9	1461.3	1459.6	1458.0
177.5°	1458.0	1457.7	1457.6	1458.4	1460.1	1461.7	1463.4	1465.0	1463.4	1461.7	1460.1
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998687

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1313.3	1318.4	1317.4	1307.2	1295.9	1286.7	1269.4	1271.4	1265.3	1266.3	1272.5
5°	1280.6	1280.6	1276.5	1262.3	1243.9	1233.7	1214.3	1209.2	1196.9	1195.9	1194.9
7.5°	1245.9	1240.8	1235.7	1215.3	1192.9	1176.5	1150.0	1143.9	1131.6	1123.5	1119.4
10°	1205.1	1198.0	1187.8	1164.3	1136.7	1116.3	1088.8	1080.6	1057.1	1046.9	1040.8
12.5°	1160.2	1156.1	1139.8	1120.4	1075.5	1053.1	1013.3	1021.4	998.0	977.6	974.5
15°	1115.3	1100.0	1090.8	1059.2	1005.1	994.9	963.3	946.9	925.5	909.2	909.2
17.5°	1071.4	1048.0	1027.6	993.9	954.1	925.5	902.0	893.9	867.4	851.0	848.0
20°	1013.3	986.7	981.6	933.7	906.1	874.5	852.0	831.6	812.2	805.1	800.0
22.5°	958.2	927.6	919.4	878.6	851.0	819.4	796.9	782.7	768.4	763.3	754.1
25°	899.0	880.6	868.4	824.5	793.9	764.3	749.0	738.8	725.5	724.5	718.4
27.5°	841.8	824.5	812.2	770.4	748.0	720.4	708.2	696.9	689.8	686.7	683.7
30°	792.9	773.5	759.2	728.6	701.0	678.6	668.4	661.2	657.1	652.0	651.0
32.5°	738.8	727.6	708.2	684.7	663.3	641.8	635.7	630.6	624.5	622.5	621.4
35°	692.9	677.6	665.3	638.8	629.6	611.2	604.1	600.0	591.8	589.8	587.8
37.5°	648.0	633.7	620.4	604.1	586.7	576.5	572.5	566.3	562.2	563.3	561.2
40°	603.1	591.8	581.6	564.3	554.1	549.0	540.8	534.7	532.7	533.7	532.7
42.5°	559.2	549.0	542.9	529.6	519.4	514.3	509.2	503.1	506.1	506.1	509.2
45°	519.4	510.2	506.1	495.9	489.8	481.6	476.5	475.5	479.6	478.6	478.6
47.5°	478.6	475.5	470.4	461.2	453.1	448.0	446.9	446.9	451.0	453.1	452.0
50°	446.9	440.8	434.7	427.6	421.4	419.4	416.3	418.4	422.5	422.5	424.5
52.5°	407.1	403.1	401.0	394.9	390.8	390.8	390.8	391.8	394.9	398.0	396.9
55°	372.5	369.4	367.3	364.3	359.2	360.2	359.2	361.2	364.3	367.3	369.4
57.5°	335.7	334.7	332.7	327.6	327.6	326.5	329.6	330.6	335.7	337.8	340.8
60°	303.1	300.0	300.0	295.9	295.9	295.9	299.0	302.0	306.1	307.1	309.2
62.5°	268.4	268.4	267.3	264.3	264.3	267.3	268.4	272.5	274.5	274.5	277.6
65°	235.7	234.7	233.7	234.7	235.7	235.7	238.8	240.8	242.9	243.9	244.9
67.5°	203.1	202.0	204.1	203.1	205.1	209.2	208.2	211.2	214.3	214.3	215.3
70°	172.5	174.5	173.5	175.5	174.5	176.5	179.6	180.6	180.6	181.6	184.7
72.5°	143.9	143.9	143.9	142.9	143.9	145.9	148.0	149.0	151.0	152.0	155.1
75°	116.3	116.3	114.3	116.3	116.3	118.4	120.4	120.4	120.4	122.4	125.5
77.5°	87.8	88.8	87.8	89.8	89.8	90.8	92.9	91.8	93.9	94.9	95.9
80°	64.3	63.3	63.3	63.3	64.3	64.3	66.3	67.3	67.3	70.4	68.4
82.5°	40.8	41.8	40.8	41.8	41.8	42.9	41.8	42.9	43.9	45.9	44.9
85°	23.5	22.4	22.4	23.5	22.4	22.4	23.5	22.4	23.5	22.4	23.5
87.5°	9.2	8.2	8.2	8.2	8.2	7.1	7.1	6.1	6.1	6.1	5.1
90°	11.4	12.7	13.6	15.5	17.4	19.2	21.1	22.3	23.5	24.6	25.8
92.5°	22.7	22.2	22.5	23.2	23.9	24.6	25.3	25.8	26.3	26.8	27.3
95°	37.7	33.8	34.6	36.3	37.9	39.6	41.2	42.4	43.6	44.7	45.9
97.5°	46.6	37.0	38.9	42.6	46.4	50.1	53.9	54.6	55.3	56.0	56.7
100°	58.3	42.2	44.2	48.2	52.2	56.2	60.2	62.1	64.0	65.9	67.8
102.5°	254.8	254.6	233.2	190.5	147.8	105.0	62.3	64.9	67.5	70.0	72.6
105°	349.3	352.8	320.8	256.7	192.6	128.5	64.4	67.0	69.6	72.1	74.7
107.5°	419.6	422.5	382.9	303.8	224.7	145.6	66.5	69.1	71.7	74.3	76.9
110°	487.6	490.1	456.2	388.3	320.5	252.6	184.8	161.3	137.9	114.4	90.9

TEST NUMBER: P998687

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	552.4	554.5	552.5	548.5	544.6	540.6	536.6	435.4	334.2	233.1	131.9
115°	623.3	625.3	628.2	634.1	640.0	645.8	651.7	543.0	434.4	325.7	217.0
117.5°	688.5	690.8	692.8	696.8	700.7	704.7	708.7	675.1	641.6	608.0	574.5
120°	753.4	755.2	757.3	761.5	765.8	770.0	774.2	777.0	779.8	782.7	785.5
122.5°	813.5	815.4	817.7	822.4	827.1	831.8	836.5	837.9	839.3	840.8	842.2
125°	871.0	872.5	874.7	879.2	883.6	888.1	892.5	894.1	895.8	897.4	899.1
127.5°	926.8	928.4	930.2	933.7	937.2	940.8	944.3	946.6	949.0	951.3	953.6
130°	980.4	982.3	983.6	986.2	988.7	991.3	993.9	996.5	999.1	1001.6	1004.2
132.5°	1030.5	1032.0	1033.3	1035.9	1038.4	1041.0	1043.6	1045.7	1047.8	1049.9	1052.0
135°	1077.6	1079.5	1080.6	1082.7	1084.8	1086.9	1089.0	1091.4	1093.7	1096.1	1098.4
137.5°	1120.3	1121.7	1122.9	1125.2	1127.6	1129.9	1132.3	1134.7	1137.0	1139.4	1141.7
140°	1162.0	1162.9	1164.2	1166.8	1169.3	1171.9	1174.5	1176.6	1178.8	1180.9	1183.0
142.5°	1199.1	1199.9	1201.4	1204.5	1207.5	1210.6	1213.6	1215.5	1217.4	1219.3	1221.2
145°	1231.7	1231.6	1233.6	1237.6	1241.5	1245.5	1249.5	1251.1	1252.8	1254.4	1256.1
147.5°	1264.7	1264.3	1266.3	1270.3	1274.3	1278.3	1282.3	1283.5	1284.7	1285.8	1287.0
150°	1294.7	1293.9	1295.8	1299.5	1303.3	1307.0	1310.8	1312.2	1313.6	1315.0	1316.4
152.5°	1322.3	1321.4	1323.2	1326.7	1330.2	1333.7	1337.2	1338.6	1340.0	1341.4	1342.8
155°	1348.9	1347.8	1349.2	1352.0	1354.8	1357.6	1360.4	1361.8	1363.2	1364.7	1366.1
157.5°	1371.9	1371.0	1372.1	1374.2	1376.3	1378.4	1380.5	1382.1	1383.8	1385.4	1387.1
160°	1392.8	1392.1	1392.8	1394.2	1395.7	1397.1	1398.5	1399.9	1401.3	1402.7	1404.1
162.5°	1409.7	1409.0	1409.6	1410.8	1411.9	1413.1	1414.3	1415.9	1417.6	1419.2	1420.9
165°	1424.5	1423.8	1424.2	1424.9	1425.6	1426.3	1427.0	1428.6	1430.3	1431.9	1433.6
167.5°	1436.1	1435.4	1435.8	1436.5	1437.2	1437.9	1438.6	1440.2	1441.9	1443.5	1445.2
170°	1445.6	1444.9	1445.1	1445.6	1446.1	1446.6	1447.1	1448.7	1450.4	1452.0	1453.7
172.5°	1452.0	1451.3	1451.5	1452.0	1452.5	1452.9	1453.4	1455.0	1456.7	1458.3	1460.0
175°	1456.3	1455.5	1455.7	1456.2	1456.7	1457.1	1457.6	1459.2	1460.9	1462.5	1464.2
177.5°	1458.4	1457.6	1457.7	1458.0	1458.2	1458.5	1458.7	1460.3	1462.0	1463.6	1465.3
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998687

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1265.3	1268.4	1261.2	1259.2	1261.2	1254.1	1256.1	1258.2	1258.2	1261.2	1263.3
5°	1191.8	1187.8	1180.6	1178.6	1176.5	1179.6	1177.6	1180.6	1181.6	1188.8	1189.8
7.5°	1119.4	1113.3	1107.1	1101.0	1099.0	1093.9	1099.0	1099.0	1106.1	1104.1	1109.2
10°	1033.7	1032.7	1024.5	1021.4	1017.4	1009.2	1020.4	1017.4	1022.5	1031.6	1033.7
12.5°	970.4	959.2	964.3	950.0	955.1	946.9	948.0	948.0	956.1	957.1	955.1
15°	910.2	901.0	887.8	881.6	878.6	874.5	887.8	888.8	882.7	896.9	891.8
17.5°	849.0	849.0	836.7	833.7	825.5	829.6	827.6	828.6	826.5	836.7	841.8
20°	795.9	790.8	786.7	787.8	777.6	775.5	773.5	775.5	782.7	789.8	791.8
22.5°	753.1	750.0	739.8	741.8	733.7	736.7	734.7	739.8	740.8	740.8	748.0
25°	712.2	708.2	709.2	705.1	702.0	702.0	699.0	702.0	706.1	708.2	709.2
27.5°	681.6	678.6	673.5	670.4	672.5	667.4	671.4	674.5	674.5	672.5	674.5
30°	644.9	646.9	646.9	636.7	640.8	638.8	641.8	643.9	643.9	644.9	642.9
32.5°	620.4	614.3	613.3	612.2	612.2	608.2	608.2	611.2	612.2	613.3	616.3
35°	587.8	587.8	582.7	585.7	581.6	582.7	581.6	582.7	584.7	581.6	584.7
37.5°	558.2	559.2	557.1	559.2	560.2	558.2	556.1	560.2	558.2	558.2	556.1
40°	532.7	531.6	532.7	532.7	532.7	533.7	531.6	531.6	531.6	529.6	527.6
42.5°	511.2	505.1	507.1	508.2	505.1	505.1	506.1	505.1	508.2	502.0	502.0
45°	480.6	478.6	479.6	479.6	481.6	478.6	480.6	481.6	478.6	477.6	475.5
47.5°	453.1	455.1	453.1	455.1	455.1	457.1	453.1	454.1	455.1	451.0	448.0
50°	425.5	425.5	428.6	427.6	428.6	426.5	426.5	425.5	426.5	424.5	421.4
52.5°	400.0	396.9	402.0	401.0	400.0	399.0	398.0	399.0	396.9	394.9	394.9
55°	368.4	368.4	371.4	372.5	372.5	370.4	368.4	369.4	368.4	367.3	366.3
57.5°	342.9	338.8	340.8	341.8	341.8	338.8	340.8	338.8	338.8	339.8	336.7
60°	310.2	310.2	308.2	311.2	311.2	309.2	309.2	310.2	308.2	307.1	306.1
62.5°	275.5	276.5	279.6	280.6	281.6	279.6	277.6	278.6	278.6	275.5	276.5
65°	245.9	248.0	252.0	251.0	249.0	250.0	248.0	249.0	245.9	246.9	243.9
67.5°	217.3	216.3	217.3	217.3	219.4	218.4	216.3	216.3	215.3	218.4	215.3
70°	186.7	186.7	186.7	186.7	187.8	188.8	186.7	184.7	185.7	183.7	182.7
72.5°	155.1	156.1	155.1	157.1	154.1	156.1	156.1	155.1	154.1	154.1	154.1
75°	125.5	127.6	124.5	125.5	124.5	126.5	125.5	125.5	123.5	122.4	123.5
77.5°	95.9	96.9	94.9	95.9	94.9	95.9	95.9	94.9	94.9	94.9	94.9
80°	68.4	69.4	68.4	67.3	66.3	68.4	66.3	67.3	68.4	67.3	69.4
82.5°	43.9	43.9	42.9	43.9	41.8	41.8	42.9	42.9	41.8	43.9	41.8
85°	21.4	21.4	23.5	21.4	20.4	20.4	20.4	21.4	20.4	22.4	21.4
87.5°	5.1	4.1	5.1	5.1	4.1	4.1	5.1	4.1	5.1	6.1	4.1
90°	26.4	26.6	27.1	27.6	28.0	28.5	28.0	27.6	27.1	26.6	26.4
92.5°	27.5	27.6	27.8	28.1	28.3	28.5	28.3	28.1	27.8	27.6	27.5
95°	46.5	46.4	46.1	45.9	45.6	45.4	45.6	45.9	46.1	46.4	46.5
97.5°	57.0	57.1	57.4	57.6	57.9	58.1	57.9	57.6	57.4	57.1	57.0
100°	68.7	68.9	69.4	69.9	70.3	70.8	70.3	69.9	69.4	68.9	68.7
102.5°	73.9	74.3	75.0	75.7	76.4	77.1	76.4	75.7	75.0	74.3	73.9
105°	76.0	76.5	77.4	78.4	79.3	80.3	79.3	78.4	77.4	76.5	76.0
107.5°	78.2	78.7	79.6	80.5	81.5	82.4	81.5	80.5	79.6	78.7	78.2
110°	79.2	79.7	80.6	81.5	82.5	83.4	82.5	81.5	80.6	79.7	79.2

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CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.3	81.7	82.4	83.1	83.8	84.5	83.8	83.1	82.4	81.7	81.3
115°	162.7	154.2	137.3	120.4	103.5	86.6	103.5	120.4	137.3	154.2	162.7
117.5°	557.7	527.0	465.5	404.0	342.5	281.0	342.5	404.0	465.5	527.0	557.7
120°	786.9	771.1	739.4	707.7	676.0	644.3	676.0	707.7	739.4	771.1	786.9
122.5°	842.9	843.0	843.2	843.5	843.7	843.9	843.7	843.5	843.2	843.0	842.9
125°	899.9	900.3	901.0	901.7	902.4	903.1	902.4	901.7	901.0	900.3	899.9
127.5°	954.8	954.9	955.2	955.4	955.7	955.9	955.7	955.4	955.2	954.9	954.8
130°	1005.5	1005.4	1005.2	1004.9	1004.7	1004.5	1004.7	1004.9	1005.2	1005.4	1005.5
132.5°	1053.1	1053.0	1052.7	1052.5	1052.2	1052.0	1052.2	1052.5	1052.7	1053.0	1053.1
135°	1099.6	1099.4	1098.9	1098.4	1097.9	1097.4	1097.9	1098.4	1098.9	1099.4	1099.6
137.5°	1142.9	1142.5	1141.8	1141.1	1140.4	1139.7	1140.4	1141.1	1141.8	1142.5	1142.9
140°	1184.1	1183.5	1182.3	1181.2	1180.0	1178.8	1180.0	1181.2	1182.3	1183.5	1184.1
142.5°	1222.1	1221.5	1220.3	1219.2	1218.0	1216.8	1218.0	1219.2	1220.3	1221.5	1222.1
145°	1256.9	1256.3	1255.2	1254.0	1252.9	1251.7	1252.9	1254.0	1255.2	1256.3	1256.9
147.5°	1287.6	1287.1	1286.2	1285.2	1284.3	1283.3	1284.3	1285.2	1286.2	1287.1	1287.6
150°	1317.1	1316.5	1315.4	1314.2	1313.1	1311.9	1313.1	1314.2	1315.4	1316.5	1317.1
152.5°	1343.5	1342.7	1341.1	1339.4	1337.8	1336.2	1337.8	1339.4	1341.1	1342.7	1343.5
155°	1366.8	1365.9	1364.0	1362.1	1360.2	1358.3	1360.2	1362.1	1364.0	1365.9	1366.8
157.5°	1387.9	1387.0	1385.1	1383.2	1381.4	1379.5	1381.4	1383.2	1385.1	1387.0	1387.9
160°	1404.8	1404.0	1402.3	1400.7	1399.0	1397.4	1399.0	1400.7	1402.3	1404.0	1404.8
162.5°	1421.7	1420.6	1418.5	1416.4	1414.3	1412.2	1414.3	1416.4	1418.5	1420.6	1421.7
165°	1434.4	1433.6	1431.9	1430.3	1428.6	1427.0	1428.6	1430.3	1431.9	1433.6	1434.4
167.5°	1446.0	1444.9	1442.8	1440.7	1438.6	1436.5	1438.6	1440.7	1442.8	1444.9	1446.0
170°	1454.5	1453.4	1451.3	1449.2	1447.0	1444.9	1447.0	1449.2	1451.3	1453.4	1454.5
172.5°	1460.8	1459.7	1457.6	1455.5	1453.4	1451.3	1453.4	1455.5	1457.6	1459.7	1460.8
175°	1465.0	1463.8	1461.5	1459.2	1456.8	1454.5	1456.8	1459.2	1461.5	1463.8	1465.0
177.5°	1466.1	1465.0	1462.9	1460.8	1458.7	1456.6	1458.7	1460.8	1462.9	1465.0	1466.1
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6	1327.6
2.5°	1260.2	1268.4	1265.3	1254.1	1267.4	1267.4	1276.5	1276.5	1287.8	1291.8	1298.0
5°	1188.8	1194.9	1200.0	1194.9	1204.1	1218.4	1226.5	1233.7	1249.0	1255.1	1264.3
7.5°	1112.3	1123.5	1128.6	1128.6	1143.9	1160.2	1176.5	1186.7	1208.2	1216.3	1225.5
10°	1037.8	1051.0	1061.2	1060.2	1085.7	1095.9	1116.3	1139.8	1161.2	1173.5	1186.7
12.5°	959.2	966.3	980.6	1001.0	1007.1	1025.5	1049.0	1078.6	1117.4	1128.6	1148.0
15°	893.9	913.3	924.5	933.7	948.0	965.3	990.8	1019.4	1058.2	1082.7	1103.1
17.5°	838.8	864.3	871.4	869.4	887.8	914.3	943.9	965.3	1000.0	1029.6	1049.0
20°	793.9	804.1	816.3	821.4	835.7	864.3	892.9	917.4	945.9	969.4	991.8
22.5°	749.0	757.1	767.4	776.5	787.8	804.1	831.6	862.3	889.8	912.3	937.8
25°	712.2	717.4	726.5	733.7	745.9	757.1	776.5	810.2	842.9	856.1	878.6
27.5°	676.5	680.6	686.7	694.9	701.0	712.2	729.6	757.1	790.8	804.1	834.7
30°	644.9	648.0	654.1	658.2	661.2	674.5	687.8	709.2	734.7	753.1	775.5
32.5°	615.3	618.4	624.5	625.5	629.6	636.7	649.0	668.4	690.8	706.1	725.5
35°	582.7	584.7	590.8	592.9	595.9	602.0	611.2	625.5	645.9	657.1	674.5
37.5°	557.1	556.1	560.2	563.3	567.4	570.4	573.5	587.8	603.1	613.3	626.5
40°	529.6	527.6	528.6	532.7	534.7	538.8	538.8	553.1	563.3	571.4	581.6
42.5°	502.0	501.0	499.0	501.0	503.1	504.1	505.1	515.3	525.5	532.7	543.9
45°	474.5	473.5	471.4	472.5	472.5	474.5	477.6	481.6	488.8	494.9	501.0
47.5°	449.0	446.9	443.9	442.9	444.9	444.9	444.9	449.0	456.1	458.2	464.3
50°	422.5	419.4	415.3	413.3	413.3	412.2	414.3	415.3	421.4	423.5	428.6
52.5°	393.9	391.8	387.8	383.7	384.7	382.7	383.7	384.7	386.7	389.8	392.9
55°	365.3	361.2	358.2	357.1	354.1	354.1	351.0	355.1	354.1	355.1	359.2
57.5°	337.8	333.7	328.6	326.5	323.5	322.5	320.4	319.4	320.4	323.5	326.5
60°	305.1	303.1	300.0	296.9	294.9	291.8	289.8	289.8	288.8	288.8	289.8
62.5°	273.5	272.5	268.4	267.3	265.3	263.3	260.2	258.2	258.2	260.2	261.2
65°	242.9	241.8	238.8	237.8	232.7	230.6	229.6	228.6	226.5	226.5	226.5
67.5°	214.3	211.2	211.2	206.1	202.0	200.0	198.0	196.9	196.9	196.9	198.0
70°	182.7	182.7	179.6	176.5	172.5	173.5	170.4	167.3	167.3	165.3	166.3
72.5°	152.0	151.0	148.0	146.9	143.9	140.8	138.8	140.8	137.8	136.7	137.8
75°	122.4	121.4	119.4	117.3	118.4	115.3	112.2	111.2	111.2	109.2	109.2
77.5°	93.9	95.9	91.8	90.8	88.8	86.7	85.7	84.7	84.7	84.7	86.7
80°	65.3	66.3	66.3	64.3	65.3	62.2	62.2	62.2	59.2	60.2	61.2
82.5°	41.8	41.8	40.8	41.8	40.8	40.8	39.8	39.8	38.8	38.8	39.8
85°	23.5	22.4	21.4	23.5	22.4	22.4	21.4	21.4	21.4	21.4	21.4
87.5°	5.1	6.1	6.1	6.1	6.1	7.1	7.1	7.1	8.2	8.2	8.2
90°	25.8	24.6	23.5	22.3	21.1	19.2	17.4	15.5	13.6	12.7	11.4
92.5°	27.3	26.8	26.3	25.8	25.3	24.6	23.9	23.2	22.5	22.2	22.7
95°	45.9	44.7	43.6	42.4	41.2	39.6	37.9	36.3	34.6	33.8	37.7
97.5°	56.7	56.0	55.3	54.6	53.9	50.1	46.4	42.6	38.9	37.0	46.6
100°	67.8	65.9	64.0	62.1	60.2	56.2	52.2	48.2	44.2	42.2	58.3
102.5°	72.6	70.0	67.5	64.9	62.3	105.0	147.8	190.5	233.2	254.6	254.8
105°	74.7	72.1	69.6	67.0	64.4	128.5	192.6	256.7	320.8	352.8	349.3
107.5°	76.9	74.3	71.7	69.1	66.5	145.6	224.7	303.8	382.9	422.5	419.6
110°	90.9	114.4	137.9	161.3	184.8	252.6	320.5	388.3	456.2	490.1	487.6

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CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	131.9	233.1	334.2	435.4	536.6	540.6	544.6	548.5	552.5	554.5	552.4
115°	217.0	325.7	434.4	543.0	651.7	645.8	640.0	634.1	628.2	625.3	623.3
117.5°	574.5	608.0	641.6	675.1	708.7	704.7	700.7	696.8	692.8	690.8	688.5
120°	785.5	782.7	779.8	777.0	774.2	770.0	765.8	761.5	757.3	755.2	753.4
122.5°	842.2	840.8	839.3	837.9	836.5	831.8	827.1	822.4	817.7	815.4	813.5
125°	899.1	897.4	895.8	894.1	892.5	888.1	883.6	879.2	874.7	872.5	871.0
127.5°	953.6	951.3	949.0	946.6	944.3	940.8	937.2	933.7	930.2	928.4	926.8
130°	1004.2	1001.6	999.1	996.5	993.9	991.3	988.7	986.2	983.6	982.3	980.4
132.5°	1052.0	1049.9	1047.8	1045.7	1043.6	1041.0	1038.4	1035.9	1033.3	1032.0	1030.5
135°	1098.4	1096.1	1093.7	1091.4	1089.0	1086.9	1084.8	1082.7	1080.6	1079.5	1077.6
137.5°	1141.7	1139.4	1137.0	1134.7	1132.3	1129.9	1127.6	1125.2	1122.9	1121.7	1120.3
140°	1183.0	1180.9	1178.8	1176.6	1174.5	1171.9	1169.3	1166.8	1164.2	1162.9	1162.0
142.5°	1221.2	1219.3	1217.4	1215.5	1213.6	1210.6	1207.5	1204.5	1201.4	1199.9	1199.1
145°	1256.1	1254.4	1252.8	1251.1	1249.5	1245.5	1241.5	1237.6	1233.6	1231.6	1231.7
147.5°	1287.0	1285.8	1284.7	1283.5	1282.3	1278.3	1274.3	1270.3	1266.3	1264.3	1264.7
150°	1316.4	1315.0	1313.6	1312.2	1310.8	1307.0	1303.3	1299.5	1295.8	1293.9	1294.7
152.5°	1342.8	1341.4	1340.0	1338.6	1337.2	1333.7	1330.2	1326.7	1323.2	1321.4	1322.3
155°	1366.1	1364.7	1363.2	1361.8	1360.4	1357.6	1354.8	1352.0	1349.2	1347.8	1348.9
157.5°	1387.1	1385.4	1383.8	1382.1	1380.5	1378.4	1376.3	1374.2	1372.1	1371.0	1371.9
160°	1404.1	1402.7	1401.3	1399.9	1398.5	1397.1	1395.7	1394.2	1392.8	1392.1	1392.8
162.5°	1420.9	1419.2	1417.6	1415.9	1414.3	1413.1	1411.9	1410.8	1409.6	1409.0	1409.7
165°	1433.6	1431.9	1430.3	1428.6	1427.0	1426.3	1425.6	1424.9	1424.2	1423.8	1424.5
167.5°	1445.2	1443.5	1441.9	1440.2	1438.6	1437.9	1437.2	1436.5	1435.8	1435.4	1436.1
170°	1453.7	1452.0	1450.4	1448.7	1447.1	1446.6	1446.1	1445.6	1445.1	1444.9	1445.6
172.5°	1460.0	1458.3	1456.7	1455.0	1453.4	1452.9	1452.5	1452.0	1451.5	1451.3	1452.0
175°	1464.2	1462.5	1460.9	1459.2	1457.6	1457.1	1456.7	1456.2	1455.7	1455.5	1456.3
177.5°	1465.3	1463.6	1462.0	1460.3	1458.7	1458.5	1458.2	1458.0	1457.7	1457.6	1458.4
180°	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7	1459.7

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1327.6	1327.6	1327.6	1327.6
2.5°	1303.1	1303.1	1318.4	1334.7
5°	1274.5	1281.6	1306.1	1328.6
7.5°	1246.9	1259.2	1289.8	1318.4
10°	1213.3	1229.6	1267.4	1301.0
12.5°	1180.6	1195.9	1239.8	1277.6
15°	1134.7	1154.1	1201.0	1248.0
17.5°	1088.8	1108.2	1165.3	1220.4
20°	1034.7	1060.2	1124.5	1198.0
22.5°	984.7	1016.3	1087.8	1146.9
25°	929.6	978.6	1044.9	1121.4
27.5°	880.6	929.6	996.9	1074.5
30°	825.5	875.5	944.9	1016.3
32.5°	772.5	818.4	885.7	973.5
35°	717.4	761.2	826.5	915.3
37.5°	667.4	710.2	781.6	863.3
40°	618.4	663.3	724.5	806.1
42.5°	572.5	612.2	667.4	749.0
45°	530.6	559.2	610.2	686.7
47.5°	486.7	512.2	559.2	635.7
50°	445.9	467.3	508.2	579.6
52.5°	406.1	424.5	462.2	519.4
55°	370.4	387.8	415.3	471.4
57.5°	333.7	346.9	373.5	418.4
60°	298.0	310.2	331.6	368.4
62.5°	262.2	272.5	292.9	322.5
65°	230.6	238.8	254.1	279.6
67.5°	200.0	205.1	217.3	237.8
70°	170.4	174.5	184.7	201.0
72.5°	138.8	142.9	154.1	165.3
75°	112.2	113.3	121.4	130.6
77.5°	87.8	86.7	92.9	100.0
80°	60.2	63.3	68.4	71.4
82.5°	40.8	41.8	43.9	45.9
85°	22.4	23.5	23.5	26.5
87.5°	9.2	10.2	10.2	11.2
90°	8.8	6.3	3.7	1.1
92.5°	23.6	24.5	25.5	26.4
95°	45.4	53.2	60.9	68.7
97.5°	65.9	85.1	104.4	123.6
100°	90.5	122.6	154.8	187.0
102.5°	255.3	255.8	256.2	256.7
105°	342.2	335.2	328.1	321.1
107.5°	413.7	407.8	402.0	396.1
110°	482.7	477.8	472.8	467.9



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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	548.2	543.9	539.7	535.5
115°	619.3	615.3	611.3	607.3
117.5°	683.8	679.1	674.4	669.7
120°	749.9	746.4	742.9	739.4
122.5°	809.8	806.0	802.3	798.5
125°	867.9	864.8	861.8	858.7
127.5°	923.5	920.2	917.0	913.7
130°	976.7	972.9	969.2	965.4
132.5°	1027.4	1024.3	1021.3	1018.2
135°	1073.9	1070.1	1066.4	1062.6
137.5°	1117.5	1114.7	1111.9	1109.1
140°	1160.1	1158.2	1156.4	1154.5
142.5°	1197.4	1195.8	1194.1	1192.5
145°	1231.9	1232.2	1232.4	1232.6
147.5°	1265.4	1266.1	1266.8	1267.5
150°	1296.4	1298.0	1299.7	1301.3
152.5°	1324.2	1326.1	1327.9	1329.8
155°	1351.0	1353.1	1355.2	1357.3
157.5°	1373.8	1375.7	1377.6	1379.5
160°	1394.2	1395.7	1397.1	1398.5
162.5°	1411.1	1412.6	1414.0	1415.4
165°	1425.9	1427.4	1428.8	1430.2
167.5°	1437.5	1439.0	1440.4	1441.8
170°	1447.0	1448.5	1449.9	1451.3
172.5°	1453.4	1454.8	1456.2	1457.6
175°	1458.0	1459.6	1461.3	1462.9
177.5°	1460.1	1461.7	1463.4	1465.0
180°	1459.7	1459.7	1459.7	1459.7

TEST NUMBER: P998687

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_4000K

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	15.48	16.24	16.52	17.28	18.68	12.98	13.73	14.02	14.78	16.18
	3H	16.29	16.97	17.34	18.02	19.44	14.31	14.99	15.36	16.04	17.46
	4H	16.45	17.09	17.51	18.15	19.57	14.77	15.41	15.83	16.47	17.89
	6H	16.49	17.08	17.56	18.14	19.58	15.07	15.66	16.14	16.72	18.16
	8H	16.47	17.03	17.54	18.10	19.54	15.15	15.72	16.23	16.79	18.22
	12H	16.43	16.96	17.51	18.03	19.48	15.19	15.73	16.27	16.79	18.25
4H	2H	15.51	16.15	16.58	17.21	18.63	13.41	14.05	14.48	15.10	16.53
	3H	16.48	17.02	17.56	18.10	19.54	14.86	15.40	15.94	16.48	17.92
	4H	16.76	17.25	17.84	18.32	19.78	15.39	15.88	16.47	16.95	18.42
	6H	16.88	17.30	17.97	18.40	19.85	15.77	16.19	16.86	17.28	18.74
	8H	16.88	17.27	17.97	18.36	19.83	15.88	16.27	16.96	17.35	18.82
	12H	16.84	17.19	17.94	18.29	19.77	15.93	16.28	17.03	17.38	18.86
8H	4H	16.76	17.15	17.85	18.24	19.71	15.53	15.92	16.62	17.01	18.48
	6H	16.93	17.26	18.04	18.38	19.85	15.96	16.28	17.07	17.41	18.88
	8H	16.96	17.25	18.08	18.36	19.84	16.11	16.39	17.23	17.50	18.99
	12H	16.94	17.19	18.06	18.30	19.82	16.20	16.44	17.32	17.55	19.08
12H	4H	16.71	17.06	17.82	18.16	19.64	15.50	15.85	16.60	16.95	18.43
	6H	16.91	17.19	18.03	18.30	19.79	15.96	16.24	17.08	17.35	18.84
	8H	16.94	17.19	18.06	18.29	19.82	16.11	16.36	17.23	17.47	18.99