

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: P998688

Luminaire Tested: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P998688
REPORT IS A COMBINATION OF REPORTS P984431 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_5000K
Description: Define 2 Direct/Indirect Pendant with 5000K BioUP LEDs {m-DER=1.015} {m-EER=1.115}
Light Source: -
Ballast/Driver: -

Summary

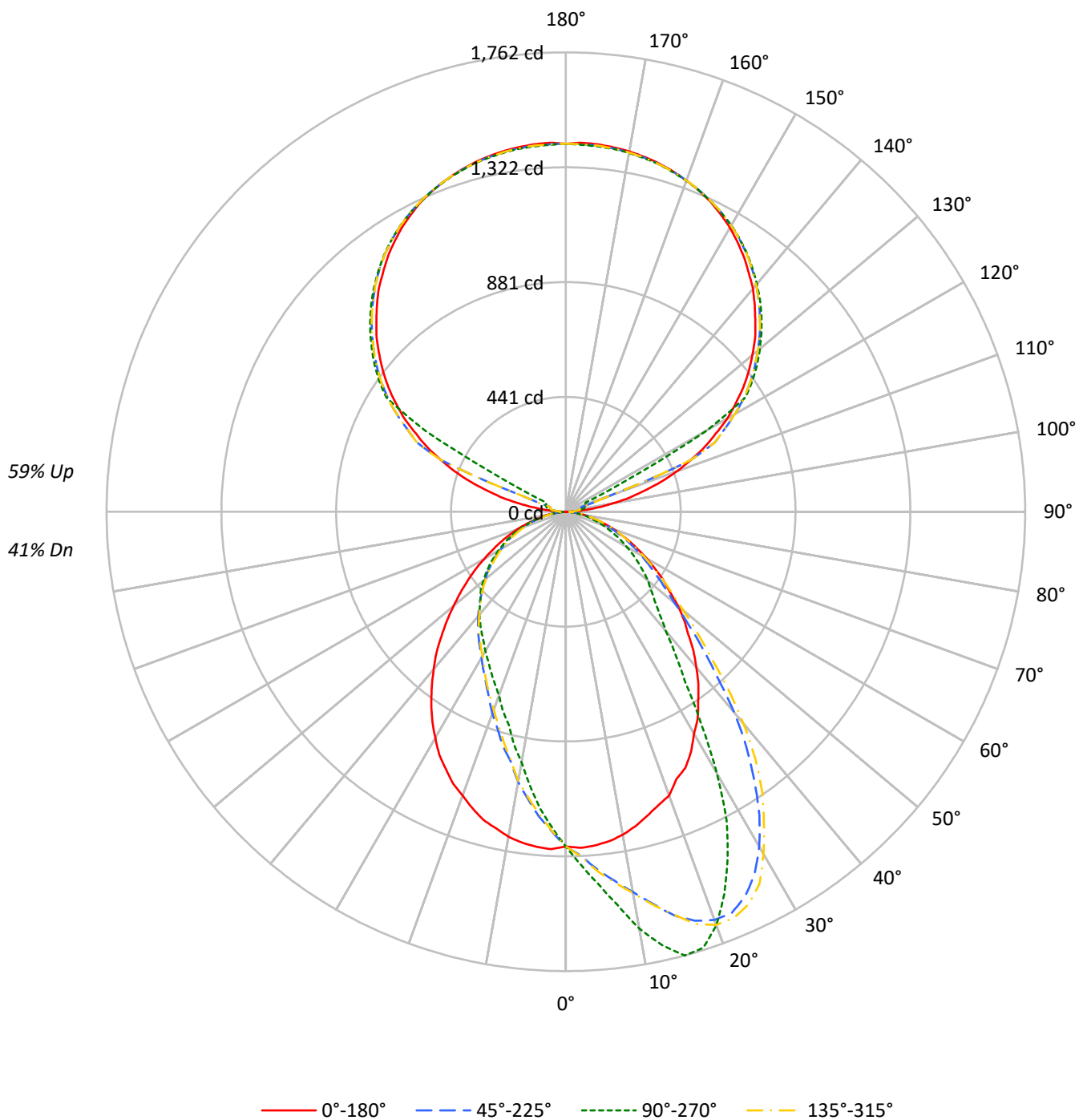
Lumens per Lamp: N/A
Luminaire Lumens: 6973.0 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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°	20318	20318	20318	20318
5°	20367	21665	20445	17235
10°	20130	23650	20257	14211
15°	19642	24945	19915	11969
20°	19336	23422	19336	10403
25°	18720	20122	18804	9304
30°	17706	15818	18043	8427
35°	16808	10938	17089	7711
40°	15774	8258	15954	7139
45°	14502	6787	14738	6522
50°	13401	5956	13425	5970
55°	12145	5075	12225	5371
60°	10809	4239	10957	4687
65°	9609	3448	9787	4003
70°	8419	2705	8631	3229
75°	7065	1964	7339	2341
80°	5517	1245	5908	1390
85°	3630	626	3899	463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 21003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	1.8
10°-20°	355.8	5.1
20°-30°	516.4	7.4
30°-40°	544.4	7.8
40°-50°	481.8	6.9
50°-60°	384.7	5.5
60°-70°	261.3	3.7
70°-80°	133.7	1.9
80°-90°	34.1	0.5
90°-100°	46.6	0.7
100°-110°	173.5	2.5
110°-120°	460.2	6.6
120°-130°	763.3	10.9
130°-140°	810.8	11.6
140°-150°	753.6	10.8
150°-160°	605.8	8.7
160°-170°	390.4	5.6
170°-180°	134.4	1.9
0°-30°	994.6	14.3
0°-40°	1539.0	22.1
0°-60°	2405.4	34.5
0°-90°	2834.5	40.6
90°-120°	680.3	9.8
90°-150°	3007.9	43.1
90°-180°	4139.0	59.4
0°-180°	6973.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1284	1284	1284	1284	1284	
5°	1285	1434	1290	1140	1285	122
15°	1207	1762	1223	846	1207	341
25°	1084	1468	1089	679	1084	496
35°	885	799	900	563	885	554
45°	664	482	675	463	664	515
55°	456	338	459	358	456	407
65°	270	208	275	242	270	269
75°	126	103	131	122	126	136
85°	26	27	28	20	26	30
90°	1	28	1	28	1	5
95°	66	44	66	44	66	79
105°	310	78	310	78	310	332
115°	587	84	587	84	587	578
125°	830	873	830	873	830	741
135°	1028	1061	1028	1061	1028	794
145°	1192	1210	1192	1210	1192	746
155°	1313	1314	1313	1314	1313	605
165°	1383	1380	1383	1380	1383	391
175°	1415	1407	1415	1407	1415	135
180°	1412	1412	1412	1412	1412	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1290.5	1293.5	1298.4	1299.4	1309.2	1317.1	1326.0	1326.0	1329.0	1328.0	1320.1
5°	1284.6	1293.5	1306.3	1317.1	1334.9	1342.8	1354.6	1363.5	1371.4	1377.3	1376.3
7.5°	1274.7	1290.5	1309.2	1330.0	1353.6	1367.5	1384.2	1400.0	1410.9	1420.7	1427.6
10°	1257.9	1284.6	1310.2	1337.9	1368.4	1387.2	1406.9	1427.6	1444.4	1463.2	1480.9
12.5°	1235.2	1273.7	1305.3	1341.8	1379.3	1400.0	1431.6	1447.4	1479.9	1527.3	1540.1
15°	1206.6	1258.9	1288.5	1334.9	1384.2	1401.0	1444.4	1470.1	1537.2	1566.8	1602.3
17.5°	1180.0	1238.2	1277.7	1331.0	1379.3	1411.9	1454.3	1506.6	1562.8	1605.2	1644.7
20°	1158.3	1214.5	1261.9	1321.1	1382.3	1423.7	1468.1	1531.2	1592.4	1635.8	1666.4
22.5°	1109.0	1181.0	1236.2	1302.3	1376.3	1433.6	1476.0	1545.0	1611.2	1637.8	1664.4
25°	1084.3	1146.5	1210.6	1285.6	1372.4	1440.5	1477.0	1553.9	1612.1	1622.0	1627.9
27.5°	1038.9	1109.0	1183.9	1269.8	1371.4	1428.6	1475.0	1545.0	1591.4	1584.5	1566.8
30°	982.7	1068.5	1151.4	1244.1	1357.6	1419.7	1463.2	1527.3	1551.0	1515.5	1483.9
32.5°	941.2	1022.1	1113.9	1221.4	1341.8	1401.0	1443.4	1493.7	1498.7	1434.5	1381.3
35°	885.0	974.8	1078.4	1191.8	1315.2	1368.4	1407.9	1438.5	1414.8	1325.0	1261.9
37.5°	834.7	923.5	1034.0	1149.4	1278.7	1331.0	1362.5	1367.5	1309.2	1230.3	1137.6
40°	779.4	871.2	986.6	1108.0	1238.2	1283.6	1303.3	1288.5	1204.7	1112.9	1005.4
42.5°	724.2	814.9	939.3	1063.6	1186.9	1225.4	1233.3	1192.8	1090.2	982.7	858.4
45°	664.0	758.7	883.0	1008.3	1127.7	1149.4	1150.4	1092.2	970.8	858.4	742.9
47.5°	614.7	702.5	825.8	951.1	1051.7	1066.5	1060.6	993.5	861.3	735.0	634.4
50°	560.4	644.3	766.6	889.9	975.8	979.7	964.9	869.2	740.0	624.5	544.6
52.5°	502.2	587.0	699.5	817.9	894.9	888.9	860.3	757.7	636.4	540.7	479.5
55°	455.8	530.8	636.4	751.8	806.1	789.3	757.7	653.1	557.4	476.5	423.3
57.5°	404.5	470.6	574.2	674.8	706.4	690.6	659.1	561.4	472.6	411.4	375.9
60°	356.2	416.4	507.1	591.0	615.7	598.9	562.4	474.6	410.4	359.1	332.5
62.5°	311.8	364.1	440.0	517.0	526.9	510.1	478.5	407.5	352.2	311.8	292.0
65°	270.3	319.7	380.8	439.0	447.9	430.2	397.6	346.3	299.9	274.3	255.5
67.5°	229.9	269.3	323.6	366.0	371.0	354.2	327.6	286.1	257.5	229.9	216.1
70°	194.4	224.0	266.4	300.9	302.9	287.1	273.3	235.8	214.1	194.4	183.5
72.5°	159.8	180.6	213.1	238.8	239.7	229.9	217.1	193.4	174.6	160.8	150.0
75°	126.3	144.0	163.8	186.5	185.5	177.6	167.7	152.9	137.1	128.3	123.3
77.5°	96.7	107.5	123.3	138.1	138.1	134.2	128.3	117.4	107.5	98.7	93.7
80°	69.1	76.0	88.8	93.7	95.7	94.7	89.8	81.9	77.9	71.0	69.1
82.5°	44.4	49.3	55.3	60.2	63.1	61.2	60.2	56.2	50.3	48.3	46.4
85°	25.7	27.6	30.6	33.5	34.5	33.5	35.5	32.6	29.6	29.6	28.6
87.5°	10.9	11.8	13.8	13.8	14.8	14.8	13.8	14.8	14.8	13.8	12.8
90°	1.0	3.5	6.0	8.5	11.0	12.3	13.2	15.0	16.8	18.6	20.4
92.5°	25.5	24.6	23.7	22.8	21.9	21.5	21.8	22.5	23.2	23.8	24.5
95°	66.4	58.9	51.4	43.9	36.4	32.7	33.5	35.1	36.6	38.2	39.8
97.5°	119.5	100.9	82.3	63.7	45.1	35.8	37.6	41.2	44.9	48.5	52.1
100°	180.8	149.7	118.6	87.5	56.4	40.9	42.8	46.7	50.5	54.4	58.2
102.5°	248.2	247.8	247.3	246.9	246.4	246.2	225.5	184.2	142.9	101.6	60.3
105°	310.5	317.3	324.1	331.0	337.8	341.2	310.2	248.2	186.3	124.3	62.3
107.5°	383.1	388.8	394.4	400.1	405.8	408.6	370.4	293.9	217.4	140.9	64.4
110°	452.5	457.3	462.1	466.8	471.6	474.0	441.2	375.6	310.0	244.4	178.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	517.9	522.0	526.1	530.2	534.3	536.3	534.4	530.5	526.6	522.8	518.9
115°	587.3	591.2	595.0	598.9	602.8	604.7	607.5	613.2	618.9	624.5	630.2
117.5°	647.6	652.1	656.7	661.2	665.7	668.0	669.9	673.8	677.7	681.5	685.4
120°	715.0	718.4	721.8	725.2	728.6	730.3	732.3	736.4	740.5	744.6	748.7
122.5°	772.2	775.8	779.5	783.1	786.8	788.6	790.9	795.4	799.9	804.5	809.0
125°	830.5	833.4	836.4	839.3	842.2	843.7	845.9	850.2	854.5	858.8	863.1
127.5°	883.6	886.8	890.0	893.1	896.3	897.9	899.6	903.0	906.4	909.8	913.2
130°	933.6	937.2	940.9	944.5	948.2	950.0	951.2	953.7	956.2	958.7	961.2
132.5°	984.7	987.7	990.6	993.6	996.5	998.0	999.2	1001.7	1004.2	1006.7	1009.2
135°	1027.6	1031.2	1034.8	1038.5	1042.1	1043.9	1044.9	1047.0	1049.0	1051.1	1053.1
137.5°	1072.5	1075.2	1078.0	1080.7	1083.4	1084.8	1085.9	1088.2	1090.5	1092.7	1095.0
140°	1116.5	1118.3	1120.1	1121.9	1123.7	1124.6	1125.9	1128.4	1130.9	1133.4	1135.9
142.5°	1153.2	1154.8	1156.4	1158.0	1159.6	1160.4	1161.9	1164.8	1167.8	1170.7	1173.7
145°	1192.1	1191.9	1191.6	1191.4	1191.1	1191.0	1192.9	1196.8	1200.7	1204.5	1208.4
147.5°	1225.8	1225.1	1224.4	1223.7	1223.0	1222.7	1224.6	1228.5	1232.4	1236.2	1240.1
150°	1258.4	1256.8	1255.2	1253.7	1252.1	1251.3	1253.1	1256.7	1260.4	1264.0	1267.6
152.5°	1286.0	1284.2	1282.4	1280.6	1278.8	1277.9	1279.6	1283.0	1286.4	1289.8	1293.2
155°	1312.6	1310.6	1308.5	1306.5	1304.4	1303.4	1304.8	1307.5	1310.2	1313.0	1315.7
157.5°	1334.0	1332.2	1330.4	1328.6	1326.8	1325.9	1326.9	1329.0	1331.0	1333.1	1335.1
160°	1352.4	1351.0	1349.7	1348.3	1347.0	1346.3	1347.0	1348.3	1349.7	1351.0	1352.4
162.5°	1368.8	1367.4	1366.0	1364.7	1363.3	1362.6	1363.2	1364.3	1365.4	1366.6	1367.7
165°	1383.1	1381.7	1380.3	1379.0	1377.6	1376.9	1377.2	1377.9	1378.6	1379.3	1380.0
167.5°	1394.3	1392.9	1391.6	1390.2	1388.9	1388.2	1388.5	1389.2	1389.9	1390.5	1391.2
170°	1403.5	1402.1	1400.8	1399.4	1398.1	1397.4	1397.6	1398.1	1398.5	1399.0	1399.4
172.5°	1409.6	1408.2	1406.9	1405.5	1404.2	1403.5	1403.7	1404.2	1404.6	1405.1	1405.5
175°	1414.7	1413.1	1411.5	1410.0	1408.4	1407.6	1407.8	1408.3	1408.7	1409.2	1409.6
177.5°	1416.8	1415.2	1413.6	1412.0	1410.4	1409.6	1409.7	1409.9	1410.2	1410.4	1410.6
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1333.9	1334.9	1336.9	1346.7	1351.7	1352.7	1348.7	1357.6	1360.6	1357.6	1355.6
5°	1397.1	1403.0	1414.8	1427.6	1426.7	1427.6	1433.6	1439.5	1441.5	1433.6	1436.5
7.5°	1452.3	1464.1	1477.0	1496.7	1496.7	1506.6	1510.5	1515.5	1527.3	1521.4	1519.4
10°	1515.5	1531.2	1554.9	1586.5	1587.5	1597.3	1607.2	1623.0	1627.9	1624.0	1626.0
12.5°	1594.4	1625.0	1626.9	1661.5	1677.3	1679.2	1695.0	1692.1	1701.9	1701.9	1718.7
15°	1628.9	1676.3	1702.9	1736.5	1746.3	1734.5	1747.3	1761.1	1762.1	1762.1	1761.1
17.5°	1691.1	1709.8	1736.5	1754.2	1758.2	1758.2	1759.1	1765.1	1761.1	1753.2	1759.1
20°	1703.9	1711.8	1721.7	1719.7	1721.7	1711.8	1701.9	1692.1	1693.0	1688.1	1702.9
22.5°	1680.2	1678.2	1655.6	1640.8	1640.8	1621.0	1602.3	1593.4	1584.5	1587.5	1592.4
25°	1621.0	1590.4	1562.8	1541.1	1536.2	1504.6	1478.9	1471.1	1456.3	1468.1	1470.1
27.5°	1526.3	1491.8	1447.4	1428.6	1403.0	1390.1	1372.4	1348.7	1318.1	1335.9	1332.9
30°	1424.7	1373.4	1336.9	1291.5	1251.0	1248.1	1214.5	1175.1	1159.3	1159.3	1168.2
32.5°	1311.2	1243.1	1189.9	1125.7	1086.3	1069.5	1029.0	989.6	998.5	968.9	979.7
35°	1179.0	1089.2	1022.1	960.0	930.4	910.7	858.4	836.7	813.0	799.2	824.8
37.5°	1052.7	949.1	863.3	795.2	784.4	748.8	713.3	699.5	685.7	691.6	690.6
40°	898.8	807.1	730.1	676.8	658.1	641.3	617.6	600.9	592.0	596.9	597.9
42.5°	759.7	682.7	625.5	588.0	572.2	560.4	548.6	534.7	531.8	531.8	535.7
45°	652.2	589.0	550.5	519.9	511.1	502.2	493.3	487.4	485.4	481.5	484.4
47.5°	566.3	516.0	492.3	469.6	459.8	457.8	449.9	446.9	443.0	442.0	443.0
50°	494.3	462.7	441.0	428.2	421.3	418.3	414.4	408.5	406.5	411.4	409.4
52.5°	444.0	414.4	402.5	389.7	385.8	381.8	375.9	376.9	375.9	373.9	373.9
55°	393.7	374.9	363.1	353.2	352.2	348.3	343.3	341.4	340.4	338.4	341.4
57.5°	353.2	338.4	327.6	318.7	314.7	314.7	309.8	305.9	305.9	304.9	305.9
60°	312.8	298.0	291.1	282.2	279.2	278.2	275.3	273.3	270.3	270.3	270.3
62.5°	275.3	263.4	255.5	247.6	248.6	243.7	239.7	237.8	237.8	238.8	238.8
65°	239.7	231.9	222.0	215.1	213.1	212.1	210.2	209.2	206.2	208.2	208.2
67.5°	207.2	196.3	190.4	187.5	184.5	183.5	181.5	179.6	178.6	177.6	179.6
70°	174.6	165.8	160.8	158.8	155.9	154.9	153.9	151.0	151.9	152.9	153.9
72.5°	145.0	137.1	136.2	130.2	130.2	130.2	126.3	128.3	127.3	125.3	127.3
75°	114.4	110.5	108.5	105.6	106.6	105.6	104.6	101.6	101.6	102.6	103.6
77.5°	90.8	86.8	85.8	82.9	80.9	82.9	80.9	79.9	79.9	80.9	80.9
80°	67.1	65.1	62.2	62.2	62.2	61.2	61.2	61.2	60.2	59.2	60.2
82.5°	44.4	44.4	43.4	42.4	43.4	41.4	42.4	42.4	42.4	42.4	42.4
85°	28.6	27.6	27.6	26.6	26.6	26.6	27.6	25.7	25.7	26.6	26.6
87.5°	12.8	12.8	12.8	13.8	12.8	12.8	12.8	13.8	12.8	12.8	12.8
90°	21.5	22.7	23.8	24.9	25.5	25.7	26.2	26.7	27.1	27.6	27.1
92.5°	25.0	25.4	25.9	26.4	26.6	26.7	26.9	27.2	27.4	27.6	27.4
95°	40.9	42.1	43.2	44.3	44.9	44.8	44.6	44.3	44.1	43.9	44.1
97.5°	52.8	53.5	54.2	54.9	55.2	55.3	55.5	55.8	56.0	56.2	56.0
100°	60.0	61.8	63.7	65.5	66.4	66.6	67.1	67.5	68.0	68.4	68.0
102.5°	62.8	65.3	67.8	70.3	71.5	71.8	72.5	73.2	73.9	74.6	73.9
105°	64.8	67.3	69.8	72.3	73.5	74.0	74.9	75.8	76.7	77.6	76.7
107.5°	66.9	69.4	71.9	74.4	75.6	76.1	77.0	77.9	78.8	79.7	78.8
110°	156.1	133.4	110.7	88.0	76.6	77.1	78.0	78.9	79.8	80.7	79.8

TEST NUMBER: P998688

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	421.1	323.3	225.4	127.6	78.7	79.0	79.7	80.4	81.0	81.7	81.0
115°	525.1	420.0	314.9	209.8	157.3	149.1	132.8	116.5	100.1	83.8	100.1
117.5°	652.9	620.5	588.0	555.5	539.3	509.6	450.1	390.6	331.2	271.7	331.2
120°	751.4	754.2	756.9	759.6	761.0	745.7	715.0	684.4	653.7	623.1	653.7
122.5°	810.4	811.7	813.1	814.4	815.1	815.2	815.5	815.7	816.0	816.2	816.0
125°	864.7	866.3	867.9	869.5	870.3	870.6	871.3	872.0	872.7	873.4	872.7
127.5°	915.5	917.7	920.0	922.3	923.4	923.5	923.7	924.0	924.2	924.4	924.2
130°	963.7	966.2	968.7	971.2	972.4	972.3	972.1	971.8	971.6	971.4	971.6
132.5°	1011.2	1013.3	1015.3	1017.4	1018.4	1018.3	1018.1	1017.8	1017.6	1017.4	1017.6
135°	1055.4	1057.6	1059.9	1062.2	1063.3	1063.1	1062.6	1062.2	1061.7	1061.3	1061.7
137.5°	1097.3	1099.5	1101.8	1104.1	1105.2	1104.9	1104.2	1103.5	1102.9	1102.2	1102.9
140°	1137.9	1140.0	1142.0	1144.1	1145.1	1144.5	1143.4	1142.3	1141.1	1140.0	1141.1
142.5°	1175.5	1177.3	1179.1	1180.9	1181.8	1181.2	1180.1	1179.0	1177.8	1176.7	1177.8
145°	1210.0	1211.6	1213.1	1214.7	1215.5	1214.9	1213.8	1212.7	1211.5	1210.4	1211.5
147.5°	1241.2	1242.4	1243.5	1244.6	1245.2	1244.7	1243.8	1242.9	1242.0	1241.1	1242.0
150°	1269.0	1270.4	1271.7	1273.1	1273.8	1273.2	1272.1	1271.0	1269.8	1268.7	1269.8
152.5°	1294.6	1295.9	1297.3	1298.6	1299.3	1298.5	1296.9	1295.4	1293.8	1292.2	1293.8
155°	1317.1	1318.4	1319.8	1321.1	1321.8	1320.9	1319.1	1317.2	1315.4	1313.6	1315.4
157.5°	1336.7	1338.3	1339.8	1341.4	1342.2	1341.3	1339.5	1337.6	1335.8	1334.0	1335.8
160°	1353.8	1355.2	1356.5	1357.9	1358.6	1357.8	1356.2	1354.6	1353.0	1351.4	1353.0
162.5°	1369.3	1370.9	1372.5	1374.1	1374.9	1373.9	1371.8	1369.8	1367.7	1365.7	1367.7
165°	1381.6	1383.2	1384.8	1386.4	1387.2	1386.4	1384.8	1383.2	1381.6	1380.0	1381.6
167.5°	1392.8	1394.4	1396.0	1397.6	1398.4	1397.4	1395.3	1393.3	1391.2	1389.2	1391.2
170°	1401.0	1402.6	1404.2	1405.8	1406.6	1405.6	1403.5	1401.5	1399.4	1397.4	1399.4
172.5°	1407.1	1408.7	1410.3	1411.9	1412.7	1411.7	1409.6	1407.6	1405.5	1403.5	1405.5
175°	1411.2	1412.8	1414.4	1416.0	1416.8	1415.7	1413.4	1411.1	1408.9	1406.6	1408.9
177.5°	1412.2	1413.8	1415.4	1417.0	1417.8	1416.8	1414.7	1412.7	1410.6	1408.6	1410.6
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

TEST NUMBER: P998688

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1360.6	1353.6	1347.7	1348.7	1353.6	1349.7	1339.8	1327.0	1322.1	1316.2	1322.1
5°	1442.4	1436.5	1424.7	1425.7	1422.7	1418.8	1403.0	1383.2	1383.2	1367.5	1365.5
7.5°	1523.3	1514.5	1506.6	1504.6	1493.7	1485.9	1472.0	1444.4	1433.6	1414.8	1404.0
10°	1614.1	1607.2	1598.3	1587.5	1581.6	1567.7	1545.0	1504.6	1484.9	1459.2	1440.5
12.5°	1705.9	1704.9	1685.1	1663.4	1662.5	1640.8	1625.0	1570.7	1544.1	1509.5	1465.1
15°	1764.1	1759.1	1748.3	1737.4	1740.4	1716.7	1681.2	1617.1	1599.3	1557.9	1510.5
17.5°	1763.1	1763.1	1760.1	1758.2	1755.2	1748.3	1728.6	1686.1	1657.5	1605.2	1560.8
20°	1706.9	1719.7	1722.6	1721.7	1731.5	1736.5	1735.5	1708.8	1686.1	1639.8	1594.4
22.5°	1594.4	1624.0	1636.8	1644.7	1665.4	1676.3	1701.9	1692.1	1686.1	1651.6	1613.1
25°	1489.8	1499.7	1538.1	1540.1	1568.7	1595.4	1621.0	1637.8	1659.5	1646.7	1614.1
27.5°	1354.6	1377.3	1404.9	1425.7	1431.6	1485.9	1528.3	1559.8	1609.2	1613.1	1602.3
30°	1201.7	1212.6	1257.9	1285.6	1317.1	1356.6	1417.8	1472.0	1516.4	1556.9	1570.7
32.5°	1015.2	1059.6	1086.3	1119.8	1147.4	1217.5	1292.5	1362.5	1413.8	1481.9	1511.5
35°	844.5	879.1	924.5	938.3	988.6	1047.8	1145.5	1235.2	1313.2	1382.3	1442.4
37.5°	703.5	731.1	779.4	801.1	830.7	906.7	988.6	1100.1	1193.8	1278.7	1353.6
40°	606.8	627.5	664.0	670.9	695.6	764.6	830.7	935.3	1059.6	1174.1	1256.0
42.5°	540.7	550.5	575.2	584.1	599.9	646.2	705.4	804.1	919.5	1037.9	1153.4
45°	493.3	500.2	515.0	522.9	542.6	563.4	611.7	690.6	781.4	900.8	1025.1
47.5°	450.9	459.8	465.7	470.6	481.5	504.2	535.7	593.9	680.8	790.3	910.7
50°	415.4	418.3	429.2	430.2	437.1	451.9	481.5	517.0	586.1	674.8	791.3
52.5°	379.8	382.8	389.7	396.6	399.6	411.4	431.2	460.8	512.1	582.1	685.7
55°	344.3	348.3	355.2	360.1	363.1	372.9	384.8	413.4	453.8	503.2	588.0
57.5°	308.8	317.7	319.7	322.6	327.6	338.4	349.3	366.0	397.6	443.0	505.2
60°	275.3	278.2	285.1	288.1	293.0	298.9	312.8	325.6	348.3	383.8	440.0
62.5°	240.7	247.6	250.6	253.6	257.5	264.4	273.3	287.1	306.8	335.5	379.8
65°	211.1	212.1	218.0	222.0	225.9	230.9	239.7	252.6	264.4	291.1	323.6
67.5°	182.5	184.5	186.5	190.4	195.4	200.3	208.2	215.1	229.9	247.6	273.3
70°	154.9	154.9	159.8	162.8	161.8	167.7	173.6	181.5	192.4	209.2	229.9
72.5°	130.2	129.2	133.2	134.2	136.2	140.1	144.0	151.9	157.9	170.7	186.5
75°	103.6	105.6	107.5	107.5	110.5	113.5	117.4	121.4	128.3	136.2	148.0
77.5°	81.9	81.9	83.9	84.8	87.8	86.8	90.8	94.7	99.6	106.6	115.4
80°	60.2	62.2	62.2	62.2	63.1	64.1	68.1	71.0	74.0	78.9	82.9
82.5°	42.4	42.4	44.4	44.4	44.4	46.4	46.4	47.4	49.3	52.3	55.3
85°	26.6	26.6	26.6	27.6	26.6	27.6	29.6	28.6	29.6	31.6	31.6
87.5°	12.8	12.8	12.8	12.8	12.8	13.8	12.8	13.8	14.8	14.8	14.8
90°	26.7	26.2	25.7	25.5	24.9	23.8	22.7	21.5	20.4	18.6	16.8
92.5°	27.2	26.9	26.7	26.6	26.4	25.9	25.4	25.0	24.5	23.8	23.2
95°	44.3	44.6	44.8	44.9	44.3	43.2	42.1	40.9	39.8	38.2	36.6
97.5°	55.8	55.5	55.3	55.2	54.9	54.2	53.5	52.8	52.1	48.5	44.9
100°	67.5	67.1	66.6	66.4	65.5	63.7	61.8	60.0	58.2	54.4	50.5
102.5°	73.2	72.5	71.8	71.5	70.3	67.8	65.3	62.8	60.3	101.6	142.9
105°	75.8	74.9	74.0	73.5	72.3	69.8	67.3	64.8	62.3	124.3	186.3
107.5°	77.9	77.0	76.1	75.6	74.4	71.9	69.4	66.9	64.4	140.9	217.4
110°	78.9	78.0	77.1	76.6	88.0	110.7	133.4	156.1	178.8	244.4	310.0

TEST NUMBER: P998688

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	80.4	79.7	79.0	78.7	127.6	225.4	323.3	421.1	518.9	522.8	526.6
115°	116.5	132.8	149.1	157.3	209.8	314.9	420.0	525.1	630.2	624.5	618.9
117.5°	390.6	450.1	509.6	539.3	555.5	588.0	620.5	652.9	685.4	681.5	677.7
120°	684.4	715.0	745.7	761.0	759.6	756.9	754.2	751.4	748.7	744.6	740.5
122.5°	815.7	815.5	815.2	815.1	814.4	813.1	811.7	810.4	809.0	804.5	799.9
125°	872.0	871.3	870.6	870.3	869.5	867.9	866.3	864.7	863.1	858.8	854.5
127.5°	924.0	923.7	923.5	923.4	922.3	920.0	917.7	915.5	913.2	909.8	906.4
130°	971.8	972.1	972.3	972.4	971.2	968.7	966.2	963.7	961.2	958.7	956.2
132.5°	1017.8	1018.1	1018.3	1018.4	1017.4	1015.3	1013.3	1011.2	1009.2	1006.7	1004.2
135°	1062.2	1062.6	1063.1	1063.3	1062.2	1059.9	1057.6	1055.4	1053.1	1051.1	1049.0
137.5°	1103.5	1104.2	1104.9	1105.2	1104.1	1101.8	1099.5	1097.3	1095.0	1092.7	1090.5
140°	1142.3	1143.4	1144.5	1145.1	1144.1	1142.0	1140.0	1137.9	1135.9	1133.4	1130.9
142.5°	1179.0	1180.1	1181.2	1181.8	1180.9	1179.1	1177.3	1175.5	1173.7	1170.7	1167.8
145°	1212.7	1213.8	1214.9	1215.5	1214.7	1213.1	1211.6	1210.0	1208.4	1204.5	1200.7
147.5°	1242.9	1243.8	1244.7	1245.2	1244.6	1243.5	1242.4	1241.2	1240.1	1236.2	1232.4
150°	1271.0	1272.1	1273.2	1273.8	1273.1	1271.7	1270.4	1269.0	1267.6	1264.0	1260.4
152.5°	1295.4	1296.9	1298.5	1299.3	1298.6	1297.3	1295.9	1294.6	1293.2	1289.8	1286.4
155°	1317.2	1319.1	1320.9	1321.8	1321.1	1319.8	1318.4	1317.1	1315.7	1313.0	1310.2
157.5°	1337.6	1339.5	1341.3	1342.2	1341.4	1339.8	1338.3	1336.7	1335.1	1333.1	1331.0
160°	1354.6	1356.2	1357.8	1358.6	1357.9	1356.5	1355.2	1353.8	1352.4	1351.0	1349.7
162.5°	1369.8	1371.8	1373.9	1374.9	1374.1	1372.5	1370.9	1369.3	1367.7	1366.6	1365.4
165°	1383.2	1384.8	1386.4	1387.2	1386.4	1384.8	1383.2	1381.6	1380.0	1379.3	1378.6
167.5°	1393.3	1395.3	1397.4	1398.4	1397.6	1396.0	1394.4	1392.8	1391.2	1390.5	1389.9
170°	1401.5	1403.5	1405.6	1406.6	1405.8	1404.2	1402.6	1401.0	1399.4	1399.0	1398.5
172.5°	1407.6	1409.6	1411.7	1412.7	1411.9	1410.3	1408.7	1407.1	1405.5	1405.1	1404.6
175°	1411.1	1413.4	1415.7	1416.8	1416.0	1414.4	1412.8	1411.2	1409.6	1409.2	1408.7
177.5°	1412.7	1414.7	1416.8	1417.8	1417.0	1415.4	1413.8	1412.2	1410.6	1410.4	1410.2
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

TEST NUMBER: P998688

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1317.1	1312.2	1309.2	1311.2	1305.3	1290.5	1290.5	1295.4	1289.5	1283.6	1274.7
5°	1353.6	1343.8	1337.9	1336.9	1323.1	1299.4	1294.4	1289.5	1276.7	1262.9	1248.1
7.5°	1389.2	1371.4	1361.5	1354.6	1334.9	1304.3	1291.5	1280.6	1259.9	1239.2	1220.5
10°	1418.8	1393.1	1381.3	1370.4	1344.8	1306.3	1285.6	1265.8	1239.2	1212.6	1188.9
12.5°	1442.4	1412.8	1398.0	1382.3	1350.7	1300.4	1274.7	1243.1	1216.5	1181.0	1157.3
15°	1481.9	1420.7	1406.9	1392.1	1359.6	1290.5	1258.9	1223.4	1186.9	1139.5	1113.9
17.5°	1513.5	1431.6	1430.6	1399.0	1356.6	1286.6	1238.2	1191.8	1152.4	1105.0	1064.6
20°	1532.2	1448.4	1432.6	1400.0	1346.7	1259.9	1209.6	1158.3	1115.9	1058.6	1018.2
22.5°	1548.0	1472.0	1430.6	1391.1	1326.0	1251.0	1177.0	1128.7	1070.5	1008.3	969.8
25°	1553.9	1477.0	1433.6	1388.2	1311.2	1225.4	1141.5	1089.2	1024.1	967.9	915.6
27.5°	1554.9	1476.0	1422.7	1375.4	1290.5	1191.8	1106.0	1050.8	978.7	913.6	861.3
30°	1545.0	1465.1	1416.8	1365.5	1270.8	1161.3	1062.6	1001.4	924.5	859.3	805.1
32.5°	1515.5	1443.4	1404.0	1347.7	1245.1	1118.8	1021.2	953.1	872.2	808.0	755.8
35°	1466.1	1416.8	1373.4	1321.1	1211.6	1079.4	979.7	899.8	817.9	756.7	707.4
37.5°	1404.9	1378.3	1337.9	1286.6	1173.1	1043.8	933.3	844.5	762.7	703.5	655.1
40°	1322.1	1329.0	1289.5	1243.1	1127.7	995.5	873.2	788.3	711.4	656.1	608.7
42.5°	1232.3	1260.9	1238.2	1193.8	1077.4	942.2	828.8	735.0	660.0	602.8	563.4
45°	1135.6	1184.9	1171.1	1138.6	1025.1	886.0	765.6	674.8	608.7	553.5	519.0
47.5°	1030.0	1100.1	1100.1	1076.4	966.9	829.7	711.4	618.6	553.5	514.0	480.5
50°	922.5	1001.4	1014.2	998.5	901.8	765.6	645.3	561.4	505.2	466.7	442.0
52.5°	810.0	901.8	925.5	917.6	832.7	704.4	591.0	509.1	457.8	424.2	402.5
55°	702.5	809.0	834.7	837.6	758.7	637.4	530.8	458.8	409.4	386.8	368.0
57.5°	600.9	703.5	732.1	737.0	683.7	576.2	474.6	411.4	367.0	348.3	333.5
60°	514.0	599.9	637.4	648.2	601.8	505.2	422.3	361.1	327.6	309.8	296.0
62.5°	443.0	512.1	551.5	554.5	533.8	443.0	368.0	316.7	288.1	272.3	265.4
65°	373.9	436.1	459.8	471.6	454.8	383.8	317.7	275.3	252.6	238.8	231.9
67.5°	318.7	358.1	377.9	393.7	376.9	323.6	270.3	235.8	219.0	205.2	201.3
70°	261.5	294.0	308.8	324.6	309.8	269.3	230.9	199.3	184.5	173.6	168.7
72.5°	209.2	234.8	248.6	258.5	249.6	216.1	184.5	162.8	151.9	144.0	141.1
75°	165.8	183.5	191.4	198.3	194.4	168.7	149.0	131.2	121.4	114.4	112.5
77.5°	126.3	139.1	148.0	150.0	145.0	128.3	111.5	100.6	92.7	88.8	86.8
80°	89.8	97.7	102.6	105.6	100.6	93.7	81.9	74.0	67.1	62.2	61.2
82.5°	60.2	64.1	68.1	67.1	65.1	59.2	52.3	48.3	45.4	41.4	41.4
85°	34.5	35.5	37.5	38.5	37.5	33.5	29.6	27.6	25.7	22.7	22.7
87.5°	14.8	15.8	15.8	16.8	14.8	14.8	12.8	10.9	10.9	9.9	8.9
90°	15.0	13.2	12.3	11.0	8.5	6.0	3.5	1.0	3.5	6.0	8.5
92.5°	22.5	21.8	21.5	21.9	22.8	23.7	24.6	25.5	24.6	23.7	22.8
95°	35.1	33.5	32.7	36.4	43.9	51.4	58.9	66.4	58.9	51.4	43.9
97.5°	41.2	37.6	35.8	45.1	63.7	82.3	100.9	119.5	100.9	82.3	63.7
100°	46.7	42.8	40.9	56.4	87.5	118.6	149.7	180.8	149.7	118.6	87.5
102.5°	184.2	225.5	246.2	246.4	246.9	247.3	247.8	248.2	247.8	247.3	246.9
105°	248.2	310.2	341.2	337.8	331.0	324.1	317.3	310.5	317.3	324.1	331.0
107.5°	293.9	370.4	408.6	405.8	400.1	394.4	388.8	383.1	388.8	394.4	400.1
110°	375.6	441.2	474.0	471.6	466.8	462.1	457.3	452.5	457.3	462.1	466.8

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CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	530.5	534.4	536.3	534.3	530.2	526.1	522.0	517.9	522.0	526.1	530.2
115°	613.2	607.5	604.7	602.8	598.9	595.0	591.2	587.3	591.2	595.0	598.9
117.5°	673.8	669.9	668.0	665.7	661.2	656.7	652.1	647.6	652.1	656.7	661.2
120°	736.4	732.3	730.3	728.6	725.2	721.8	718.4	715.0	718.4	721.8	725.2
122.5°	795.4	790.9	788.6	786.8	783.1	779.5	775.8	772.2	775.8	779.5	783.1
125°	850.2	845.9	843.7	842.2	839.3	836.4	833.4	830.5	833.4	836.4	839.3
127.5°	903.0	899.6	897.9	896.3	893.1	890.0	886.8	883.6	886.8	890.0	893.1
130°	953.7	951.2	950.0	948.2	944.5	940.9	937.2	933.6	937.2	940.9	944.5
132.5°	1001.7	999.2	998.0	996.5	993.6	990.6	987.7	984.7	987.7	990.6	993.6
135°	1047.0	1044.9	1043.9	1042.1	1038.5	1034.8	1031.2	1027.6	1031.2	1034.8	1038.5
137.5°	1088.2	1085.9	1084.8	1083.4	1080.7	1078.0	1075.2	1072.5	1075.2	1078.0	1080.7
140°	1128.4	1125.9	1124.6	1123.7	1121.9	1120.1	1118.3	1116.5	1118.3	1120.1	1121.9
142.5°	1164.8	1161.9	1160.4	1159.6	1158.0	1156.4	1154.8	1153.2	1154.8	1156.4	1158.0
145°	1196.8	1192.9	1191.0	1191.1	1191.4	1191.6	1191.9	1192.1	1191.9	1191.6	1191.4
147.5°	1228.5	1224.6	1222.7	1223.0	1223.7	1224.4	1225.1	1225.8	1225.1	1224.4	1223.7
150°	1256.7	1253.1	1251.3	1252.1	1253.7	1255.2	1256.8	1258.4	1256.8	1255.2	1253.7
152.5°	1283.0	1279.6	1277.9	1278.8	1280.6	1282.4	1284.2	1286.0	1284.2	1282.4	1280.6
155°	1307.5	1304.8	1303.4	1304.4	1306.5	1308.5	1310.6	1312.6	1310.6	1308.5	1306.5
157.5°	1329.0	1326.9	1325.9	1326.8	1328.6	1330.4	1332.2	1334.0	1332.2	1330.4	1328.6
160°	1348.3	1347.0	1346.3	1347.0	1348.3	1349.7	1351.0	1352.4	1351.0	1349.7	1348.3
162.5°	1364.3	1363.2	1362.6	1363.3	1364.7	1366.0	1367.4	1368.8	1367.4	1366.0	1364.7
165°	1377.9	1377.2	1376.9	1377.6	1379.0	1380.3	1381.7	1383.1	1381.7	1380.3	1379.0
167.5°	1389.2	1388.5	1388.2	1388.9	1390.2	1391.6	1392.9	1394.3	1392.9	1391.6	1390.2
170°	1398.1	1397.6	1397.4	1398.1	1399.4	1400.8	1402.1	1403.5	1402.1	1400.8	1399.4
172.5°	1404.2	1403.7	1403.5	1404.2	1405.5	1406.9	1408.2	1409.6	1408.2	1406.9	1405.5
175°	1408.3	1407.8	1407.6	1408.4	1410.0	1411.5	1413.1	1414.7	1413.1	1411.5	1410.0
177.5°	1409.9	1409.7	1409.6	1410.4	1412.0	1413.6	1415.2	1416.8	1415.2	1413.6	1412.0
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

TEST NUMBER: P998688

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1269.8	1274.7	1273.7	1263.9	1253.0	1244.1	1227.4	1229.3	1223.4	1224.4	1230.3
5°	1238.2	1238.2	1234.3	1220.5	1202.7	1192.8	1174.1	1169.1	1157.3	1156.3	1155.3
7.5°	1204.7	1199.7	1194.8	1175.1	1153.4	1137.6	1111.9	1106.0	1094.2	1086.3	1082.3
10°	1165.2	1158.3	1148.4	1125.7	1099.1	1079.4	1052.7	1044.8	1022.1	1012.3	1006.4
12.5°	1121.8	1117.8	1102.1	1083.3	1039.9	1018.2	979.7	987.6	964.9	945.2	942.2
15°	1078.4	1063.6	1054.7	1024.1	971.8	962.0	931.4	915.6	894.9	879.1	879.1
17.5°	1036.0	1013.3	993.5	961.0	922.5	894.9	872.2	864.3	838.6	822.8	819.9
20°	979.7	954.1	949.1	902.8	876.1	845.5	823.8	804.1	785.4	778.4	773.5
22.5°	926.4	896.8	888.9	849.5	822.8	792.3	770.6	756.7	742.9	738.0	729.1
25°	869.2	851.5	839.6	797.2	767.6	739.0	724.2	714.3	701.5	700.5	694.6
27.5°	814.0	797.2	785.4	744.9	723.2	696.6	684.7	673.9	667.0	664.0	661.0
30°	766.6	747.9	734.0	704.4	677.8	656.1	646.2	639.3	635.4	630.5	629.5
32.5°	714.3	703.5	684.7	662.0	641.3	620.6	614.7	609.7	603.8	601.8	600.9
35°	669.9	655.1	643.3	617.6	608.7	591.0	584.1	580.1	572.2	570.3	568.3
37.5°	626.5	612.7	599.9	584.1	567.3	557.4	553.5	547.6	543.6	544.6	542.6
40°	583.1	572.2	562.4	545.6	535.7	530.8	522.9	517.0	515.0	516.0	515.0
42.5°	540.7	530.8	524.9	512.1	502.2	497.3	492.3	486.4	489.4	489.4	492.3
45°	502.2	493.3	489.4	479.5	473.6	465.7	460.8	459.8	463.7	462.7	462.7
47.5°	462.7	459.8	454.8	446.0	438.1	433.1	432.1	432.1	436.1	438.1	437.1
50°	432.1	426.2	420.3	413.4	407.5	405.5	402.5	404.5	408.5	408.5	410.4
52.5°	393.7	389.7	387.7	381.8	377.9	377.9	377.9	378.9	381.8	384.8	383.8
55°	360.1	357.2	355.2	352.2	347.3	348.3	347.3	349.3	352.2	355.2	357.2
57.5°	324.6	323.6	321.6	316.7	316.7	315.7	318.7	319.7	324.6	326.6	329.5
60°	293.0	290.1	290.1	286.1	286.1	286.1	289.1	292.0	296.0	297.0	298.9
62.5°	259.5	259.5	258.5	255.5	255.5	258.5	259.5	263.4	265.4	265.4	268.4
65°	227.9	226.9	225.9	226.9	227.9	227.9	230.9	232.8	234.8	235.8	236.8
67.5°	196.3	195.4	197.3	196.3	198.3	202.3	201.3	204.2	207.2	207.2	208.2
70°	166.7	168.7	167.7	169.7	168.7	170.7	173.6	174.6	174.6	175.6	178.6
72.5°	139.1	139.1	139.1	138.1	139.1	141.1	143.1	144.0	146.0	147.0	150.0
75°	112.5	112.5	110.5	112.5	112.5	114.4	116.4	116.4	116.4	118.4	121.4
77.5°	84.8	85.8	84.8	86.8	86.8	87.8	89.8	88.8	90.8	91.8	92.7
80°	62.2	61.2	61.2	61.2	62.2	62.2	64.1	65.1	65.1	68.1	66.1
82.5°	39.5	40.5	39.5	40.5	40.5	41.4	40.5	41.4	42.4	44.4	43.4
85°	22.7	21.7	21.7	22.7	21.7	21.7	22.7	21.7	22.7	21.7	22.7
87.5°	8.9	7.9	7.9	7.9	7.9	6.9	6.9	5.9	5.9	5.9	4.9
90°	11.0	12.3	13.2	15.0	16.8	18.6	20.4	21.5	22.7	23.8	24.9
92.5°	21.9	21.5	21.8	22.5	23.2	23.8	24.5	25.0	25.4	25.9	26.4
95°	36.4	32.7	33.5	35.1	36.6	38.2	39.8	40.9	42.1	43.2	44.3
97.5°	45.1	35.8	37.6	41.2	44.9	48.5	52.1	52.8	53.5	54.2	54.9
100°	56.4	40.9	42.8	46.7	50.5	54.4	58.2	60.0	61.8	63.7	65.5
102.5°	246.4	246.2	225.5	184.2	142.9	101.6	60.3	62.8	65.3	67.8	70.3
105°	337.8	341.2	310.2	248.2	186.3	124.3	62.3	64.8	67.3	69.8	72.3
107.5°	405.8	408.6	370.4	293.9	217.4	140.9	64.4	66.9	69.4	71.9	74.4
110°	471.6	474.0	441.2	375.6	310.0	244.4	178.8	156.1	133.4	110.7	88.0

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CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	534.3	536.3	534.4	530.5	526.6	522.8	518.9	421.1	323.3	225.4	127.6
115°	602.8	604.7	607.5	613.2	618.9	624.5	630.2	525.1	420.0	314.9	209.8
117.5°	665.7	668.0	669.9	673.8	677.7	681.5	685.4	652.9	620.5	588.0	555.5
120°	728.6	730.3	732.3	736.4	740.5	744.6	748.7	751.4	754.2	756.9	759.6
122.5°	786.8	788.6	790.9	795.4	799.9	804.5	809.0	810.4	811.7	813.1	814.4
125°	842.2	843.7	845.9	850.2	854.5	858.8	863.1	864.7	866.3	867.9	869.5
127.5°	896.3	897.9	899.6	903.0	906.4	909.8	913.2	915.5	917.7	920.0	922.3
130°	948.2	950.0	951.2	953.7	956.2	958.7	961.2	963.7	966.2	968.7	971.2
132.5°	996.5	998.0	999.2	1001.7	1004.2	1006.7	1009.2	1011.2	1013.3	1015.3	1017.4
135°	1042.1	1043.9	1044.9	1047.0	1049.0	1051.1	1053.1	1055.4	1057.6	1059.9	1062.2
137.5°	1083.4	1084.8	1085.9	1088.2	1090.5	1092.7	1095.0	1097.3	1099.5	1101.8	1104.1
140°	1123.7	1124.6	1125.9	1128.4	1130.9	1133.4	1135.9	1137.9	1140.0	1142.0	1144.1
142.5°	1159.6	1160.4	1161.9	1164.8	1167.8	1170.7	1173.7	1175.5	1177.3	1179.1	1180.9
145°	1191.1	1191.0	1192.9	1196.8	1200.7	1204.5	1208.4	1210.0	1211.6	1213.1	1214.7
147.5°	1223.0	1222.7	1224.6	1228.5	1232.4	1236.2	1240.1	1241.2	1242.4	1243.5	1244.6
150°	1252.1	1251.3	1253.1	1256.7	1260.4	1264.0	1267.6	1269.0	1270.4	1271.7	1273.1
152.5°	1278.8	1277.9	1279.6	1283.0	1286.4	1289.8	1293.2	1294.6	1295.9	1297.3	1298.6
155°	1304.4	1303.4	1304.8	1307.5	1310.2	1313.0	1315.7	1317.1	1318.4	1319.8	1321.1
157.5°	1326.8	1325.9	1326.9	1329.0	1331.0	1333.1	1335.1	1336.7	1338.3	1339.8	1341.4
160°	1347.0	1346.3	1347.0	1348.3	1349.7	1351.0	1352.4	1353.8	1355.2	1356.5	1357.9
162.5°	1363.3	1362.6	1363.2	1364.3	1365.4	1366.6	1367.7	1369.3	1370.9	1372.5	1374.1
165°	1377.6	1376.9	1377.2	1377.9	1378.6	1379.3	1380.0	1381.6	1383.2	1384.8	1386.4
167.5°	1388.9	1388.2	1388.5	1389.2	1389.9	1390.5	1391.2	1392.8	1394.4	1396.0	1397.6
170°	1398.1	1397.4	1397.6	1398.1	1398.5	1399.0	1399.4	1401.0	1402.6	1404.2	1405.8
172.5°	1404.2	1403.5	1403.7	1404.2	1404.6	1405.1	1405.5	1407.1	1408.7	1410.3	1411.9
175°	1408.4	1407.6	1407.8	1408.3	1408.7	1409.2	1409.6	1411.2	1412.8	1414.4	1416.0
177.5°	1410.4	1409.6	1409.7	1409.9	1410.2	1410.4	1410.6	1412.2	1413.8	1415.4	1417.0
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1223.4	1226.4	1219.5	1217.5	1219.5	1212.6	1214.5	1216.5	1216.5	1219.5	1221.4
5°	1152.4	1148.4	1141.5	1139.5	1137.6	1140.5	1138.6	1141.5	1142.5	1149.4	1150.4
7.5°	1082.3	1076.4	1070.5	1064.6	1062.6	1057.7	1062.6	1062.6	1069.5	1067.5	1072.5
10°	999.4	998.5	990.6	987.6	983.7	975.8	986.6	983.7	988.6	997.5	999.4
12.5°	938.3	927.4	932.4	918.5	923.5	915.6	916.6	916.6	924.5	925.5	923.5
15°	880.1	871.2	858.4	852.4	849.5	845.5	858.4	859.3	853.4	867.2	862.3
17.5°	820.9	820.9	809.0	806.1	798.2	802.1	800.1	801.1	799.2	809.0	814.0
20°	769.6	764.6	760.7	761.7	751.8	749.8	747.9	749.8	756.7	763.6	765.6
22.5°	728.1	725.2	715.3	717.3	709.4	712.3	710.4	715.3	716.3	716.3	723.2
25°	688.7	684.7	685.7	681.8	678.8	678.8	675.8	678.8	682.7	684.7	685.7
27.5°	659.1	656.1	651.2	648.2	650.2	645.3	649.2	652.2	652.2	650.2	652.2
30°	623.5	625.5	625.5	615.7	619.6	617.6	620.6	622.6	622.6	623.5	621.6
32.5°	599.9	593.9	593.0	592.0	592.0	588.0	588.0	591.0	592.0	593.0	595.9
35°	568.3	568.3	563.4	566.3	562.4	563.4	562.4	563.4	565.3	562.4	565.3
37.5°	539.7	540.7	538.7	540.7	541.7	539.7	537.7	541.7	539.7	539.7	537.7
40°	515.0	514.0	515.0	515.0	515.0	516.0	514.0	514.0	514.0	512.1	510.1
42.5°	494.3	488.4	490.4	491.3	488.4	488.4	489.4	488.4	491.3	485.4	485.4
45°	464.7	462.7	463.7	463.7	465.7	462.7	464.7	465.7	462.7	461.7	459.8
47.5°	438.1	440.0	438.1	440.0	440.0	442.0	438.1	439.0	440.0	436.1	433.1
50°	411.4	411.4	414.4	413.4	414.4	412.4	412.4	411.4	412.4	410.4	407.5
52.5°	386.8	383.8	388.7	387.7	386.8	385.8	384.8	385.8	383.8	381.8	381.8
55°	356.2	356.2	359.1	360.1	360.1	358.1	356.2	357.2	356.2	355.2	354.2
57.5°	331.5	327.6	329.5	330.5	330.5	327.6	329.5	327.6	327.6	328.5	325.6
60°	299.9	299.9	298.0	300.9	300.9	298.9	298.9	299.9	298.0	297.0	296.0
62.5°	266.4	267.4	270.3	271.3	272.3	270.3	268.4	269.3	269.3	266.4	267.4
65°	237.8	239.7	243.7	242.7	240.7	241.7	239.7	240.7	237.8	238.8	235.8
67.5°	210.2	209.2	210.2	210.2	212.1	211.1	209.2	209.2	208.2	211.1	208.2
70°	180.6	180.6	180.6	180.6	181.5	182.5	180.6	178.6	179.6	177.6	176.6
72.5°	150.0	151.0	150.0	151.9	149.0	151.0	151.0	150.0	149.0	149.0	149.0
75°	121.4	123.3	120.4	121.4	120.4	122.3	121.4	121.4	119.4	118.4	119.4
77.5°	92.7	93.7	91.8	92.7	91.8	92.7	92.7	91.8	91.8	91.8	91.8
80°	66.1	67.1	66.1	65.1	64.1	66.1	64.1	65.1	66.1	65.1	67.1
82.5°	42.4	42.4	41.4	42.4	40.5	40.5	41.4	41.4	40.5	42.4	40.5
85°	20.7	20.7	22.7	20.7	19.7	19.7	19.7	20.7	19.7	21.7	20.7
87.5°	4.9	3.9	4.9	4.9	3.9	3.9	4.9	3.9	4.9	5.9	3.9
90°	25.5	25.7	26.2	26.7	27.1	27.6	27.1	26.7	26.2	25.7	25.5
92.5°	26.6	26.7	26.9	27.2	27.4	27.6	27.4	27.2	26.9	26.7	26.6
95°	44.9	44.8	44.6	44.3	44.1	43.9	44.1	44.3	44.6	44.8	44.9
97.5°	55.2	55.3	55.5	55.8	56.0	56.2	56.0	55.8	55.5	55.3	55.2
100°	66.4	66.6	67.1	67.5	68.0	68.4	68.0	67.5	67.1	66.6	66.4
102.5°	71.5	71.8	72.5	73.2	73.9	74.6	73.9	73.2	72.5	71.8	71.5
105°	73.5	74.0	74.9	75.8	76.7	77.6	76.7	75.8	74.9	74.0	73.5
107.5°	75.6	76.1	77.0	77.9	78.8	79.7	78.8	77.9	77.0	76.1	75.6
110°	76.6	77.1	78.0	78.9	79.8	80.7	79.8	78.9	78.0	77.1	76.6

TEST NUMBER: P998688

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	78.7	79.0	79.7	80.4	81.0	81.7	81.0	80.4	79.7	79.0	78.7
115°	157.3	149.1	132.8	116.5	100.1	83.8	100.1	116.5	132.8	149.1	157.3
117.5°	539.3	509.6	450.1	390.6	331.2	271.7	331.2	390.6	450.1	509.6	539.3
120°	761.0	745.7	715.0	684.4	653.7	623.1	653.7	684.4	715.0	745.7	761.0
122.5°	815.1	815.2	815.5	815.7	816.0	816.2	816.0	815.7	815.5	815.2	815.1
125°	870.3	870.6	871.3	872.0	872.7	873.4	872.7	872.0	871.3	870.6	870.3
127.5°	923.4	923.5	923.7	924.0	924.2	924.4	924.2	924.0	923.7	923.5	923.4
130°	972.4	972.3	972.1	971.8	971.6	971.4	971.6	971.8	972.1	972.3	972.4
132.5°	1018.4	1018.3	1018.1	1017.8	1017.6	1017.4	1017.6	1017.8	1018.1	1018.3	1018.4
135°	1063.3	1063.1	1062.6	1062.2	1061.7	1061.3	1061.7	1062.2	1062.6	1063.1	1063.3
137.5°	1105.2	1104.9	1104.2	1103.5	1102.9	1102.2	1102.9	1103.5	1104.2	1104.9	1105.2
140°	1145.1	1144.5	1143.4	1142.3	1141.1	1140.0	1141.1	1142.3	1143.4	1144.5	1145.1
142.5°	1181.8	1181.2	1180.1	1179.0	1177.8	1176.7	1177.8	1179.0	1180.1	1181.2	1181.8
145°	1215.5	1214.9	1213.8	1212.7	1211.5	1210.4	1211.5	1212.7	1213.8	1214.9	1215.5
147.5°	1245.2	1244.7	1243.8	1242.9	1242.0	1241.1	1242.0	1242.9	1243.8	1244.7	1245.2
150°	1273.8	1273.2	1272.1	1271.0	1269.8	1268.7	1269.8	1271.0	1272.1	1273.2	1273.8
152.5°	1299.3	1298.5	1296.9	1295.4	1293.8	1292.2	1293.8	1295.4	1296.9	1298.5	1299.3
155°	1321.8	1320.9	1319.1	1317.2	1315.4	1313.6	1315.4	1317.2	1319.1	1320.9	1321.8
157.5°	1342.2	1341.3	1339.5	1337.6	1335.8	1334.0	1335.8	1337.6	1339.5	1341.3	1342.2
160°	1358.6	1357.8	1356.2	1354.6	1353.0	1351.4	1353.0	1354.6	1356.2	1357.8	1358.6
162.5°	1374.9	1373.9	1371.8	1369.8	1367.7	1365.7	1367.7	1369.8	1371.8	1373.9	1374.9
165°	1387.2	1386.4	1384.8	1383.2	1381.6	1380.0	1381.6	1383.2	1384.8	1386.4	1387.2
167.5°	1398.4	1397.4	1395.3	1393.3	1391.2	1389.2	1391.2	1393.3	1395.3	1397.4	1398.4
170°	1406.6	1405.6	1403.5	1401.5	1399.4	1397.4	1399.4	1401.5	1403.5	1405.6	1406.6
172.5°	1412.7	1411.7	1409.6	1407.6	1405.5	1403.5	1405.5	1407.6	1409.6	1411.7	1412.7
175°	1416.8	1415.7	1413.4	1411.1	1408.9	1406.6	1408.9	1411.1	1413.4	1415.7	1416.8
177.5°	1417.8	1416.8	1414.7	1412.7	1410.6	1408.6	1410.6	1412.7	1414.7	1416.8	1417.8
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6	1283.6
2.5°	1218.5	1226.4	1223.4	1212.6	1225.4	1225.4	1234.3	1234.3	1245.1	1249.1	1255.0
5°	1149.4	1155.3	1160.3	1155.3	1164.2	1178.0	1185.9	1192.8	1207.6	1213.5	1222.4
7.5°	1075.4	1086.3	1091.2	1091.2	1106.0	1121.8	1137.6	1147.4	1168.2	1176.1	1184.9
10°	1003.4	1016.2	1026.1	1025.1	1049.8	1059.6	1079.4	1102.1	1122.8	1134.6	1147.4
12.5°	927.4	934.3	948.1	967.9	973.8	991.6	1014.2	1042.9	1080.4	1091.2	1109.9
15°	864.3	883.0	893.9	902.8	916.6	933.3	958.0	985.6	1023.1	1046.8	1066.5
17.5°	811.0	835.7	842.6	840.6	858.4	884.0	912.6	933.3	966.9	995.5	1014.2
20°	767.6	777.5	789.3	794.2	808.0	835.7	863.3	887.0	914.6	937.3	959.0
22.5°	724.2	732.1	741.9	750.8	761.7	777.5	804.1	833.7	860.3	882.0	906.7
25°	688.7	693.6	702.5	709.4	721.2	732.1	750.8	783.4	814.9	827.8	849.5
27.5°	654.1	658.1	664.0	671.9	677.8	688.7	705.4	732.1	764.6	777.5	807.1
30°	623.5	626.5	632.4	636.4	639.3	652.2	665.0	685.7	710.4	728.1	749.8
32.5°	594.9	597.9	603.8	604.8	608.7	615.7	627.5	646.2	667.9	682.7	701.5
35°	563.4	565.3	571.3	573.2	576.2	582.1	591.0	604.8	624.5	635.4	652.2
37.5°	538.7	537.7	541.7	544.6	548.6	551.5	554.5	568.3	583.1	593.0	605.8
40°	512.1	510.1	511.1	515.0	517.0	520.9	520.9	534.7	544.6	552.5	562.4
42.5°	485.4	484.4	482.5	484.4	486.4	487.4	488.4	498.2	508.1	515.0	525.9
45°	458.8	457.8	455.8	456.8	456.8	458.8	461.7	465.7	472.6	478.5	484.4
47.5°	434.1	432.1	429.2	428.2	430.2	430.2	430.2	434.1	441.0	443.0	448.9
50°	408.5	405.5	401.6	399.6	399.6	398.6	400.6	401.6	407.5	409.4	414.4
52.5°	380.8	378.9	374.9	371.0	372.0	370.0	371.0	372.0	373.9	376.9	379.8
55°	353.2	349.3	346.3	345.3	342.4	342.4	339.4	343.3	342.4	343.3	347.3
57.5°	326.6	322.6	317.7	315.7	312.8	311.8	309.8	308.8	309.8	312.8	315.7
60°	295.0	293.0	290.1	287.1	285.1	282.2	280.2	280.2	279.2	279.2	280.2
62.5°	264.4	263.4	259.5	258.5	256.5	254.5	251.6	249.6	249.6	251.6	252.6
65°	234.8	233.8	230.9	229.9	224.9	223.0	222.0	221.0	219.0	219.0	219.0
67.5°	207.2	204.2	204.2	199.3	195.4	193.4	191.4	190.4	190.4	190.4	191.4
70°	176.6	176.6	173.6	170.7	166.7	167.7	164.8	161.8	161.8	159.8	160.8
72.5°	147.0	146.0	143.1	142.1	139.1	136.2	134.2	136.2	133.2	132.2	133.2
75°	118.4	117.4	115.4	113.5	114.4	111.5	108.5	107.5	107.5	105.6	105.6
77.5°	90.8	92.7	88.8	87.8	85.8	83.9	82.9	81.9	81.9	81.9	83.9
80°	63.1	64.1	64.1	62.2	63.1	60.2	60.2	60.2	57.2	58.2	59.2
82.5°	40.5	40.5	39.5	40.5	39.5	39.5	38.5	38.5	37.5	37.5	38.5
85°	22.7	21.7	20.7	22.7	21.7	21.7	20.7	20.7	20.7	20.7	20.7
87.5°	4.9	5.9	5.9	5.9	5.9	6.9	6.9	6.9	7.9	7.9	7.9
90°	24.9	23.8	22.7	21.5	20.4	18.6	16.8	15.0	13.2	12.3	11.0
92.5°	26.4	25.9	25.4	25.0	24.5	23.8	23.2	22.5	21.8	21.5	21.9
95°	44.3	43.2	42.1	40.9	39.8	38.2	36.6	35.1	33.5	32.7	36.4
97.5°	54.9	54.2	53.5	52.8	52.1	48.5	44.9	41.2	37.6	35.8	45.1
100°	65.5	63.7	61.8	60.0	58.2	54.4	50.5	46.7	42.8	40.9	56.4
102.5°	70.3	67.8	65.3	62.8	60.3	101.6	142.9	184.2	225.5	246.2	246.4
105°	72.3	69.8	67.3	64.8	62.3	124.3	186.3	248.2	310.2	341.2	337.8
107.5°	74.4	71.9	69.4	66.9	64.4	140.9	217.4	293.9	370.4	408.6	405.8
110°	88.0	110.7	133.4	156.1	178.8	244.4	310.0	375.6	441.2	474.0	471.6

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CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	127.6	225.4	323.3	421.1	518.9	522.8	526.6	530.5	534.4	536.3	534.3
115°	209.8	314.9	420.0	525.1	630.2	624.5	618.9	613.2	607.5	604.7	602.8
117.5°	555.5	588.0	620.5	652.9	685.4	681.5	677.7	673.8	669.9	668.0	665.7
120°	759.6	756.9	754.2	751.4	748.7	744.6	740.5	736.4	732.3	730.3	728.6
122.5°	814.4	813.1	811.7	810.4	809.0	804.5	799.9	795.4	790.9	788.6	786.8
125°	869.5	867.9	866.3	864.7	863.1	858.8	854.5	850.2	845.9	843.7	842.2
127.5°	922.3	920.0	917.7	915.5	913.2	909.8	906.4	903.0	899.6	897.9	896.3
130°	971.2	968.7	966.2	963.7	961.2	958.7	956.2	953.7	951.2	950.0	948.2
132.5°	1017.4	1015.3	1013.3	1011.2	1009.2	1006.7	1004.2	1001.7	999.2	998.0	996.5
135°	1062.2	1059.9	1057.6	1055.4	1053.1	1051.1	1049.0	1047.0	1044.9	1043.9	1042.1
137.5°	1104.1	1101.8	1099.5	1097.3	1095.0	1092.7	1090.5	1088.2	1085.9	1084.8	1083.4
140°	1144.1	1142.0	1140.0	1137.9	1135.9	1133.4	1130.9	1128.4	1125.9	1124.6	1123.7
142.5°	1180.9	1179.1	1177.3	1175.5	1173.7	1170.7	1167.8	1164.8	1161.9	1160.4	1159.6
145°	1214.7	1213.1	1211.6	1210.0	1208.4	1204.5	1200.7	1196.8	1192.9	1191.0	1191.1
147.5°	1244.6	1243.5	1242.4	1241.2	1240.1	1236.2	1232.4	1228.5	1224.6	1222.7	1223.0
150°	1273.1	1271.7	1270.4	1269.0	1267.6	1264.0	1260.4	1256.7	1253.1	1251.3	1252.1
152.5°	1298.6	1297.3	1295.9	1294.6	1293.2	1289.8	1286.4	1283.0	1279.6	1277.9	1278.8
155°	1321.1	1319.8	1318.4	1317.1	1315.7	1313.0	1310.2	1307.5	1304.8	1303.4	1304.4
157.5°	1341.4	1339.8	1338.3	1336.7	1335.1	1333.1	1331.0	1329.0	1326.9	1325.9	1326.8
160°	1357.9	1356.5	1355.2	1353.8	1352.4	1351.0	1349.7	1348.3	1347.0	1346.3	1347.0
162.5°	1374.1	1372.5	1370.9	1369.3	1367.7	1366.6	1365.4	1364.3	1363.2	1362.6	1363.3
165°	1386.4	1384.8	1383.2	1381.6	1380.0	1379.3	1378.6	1377.9	1377.2	1376.9	1377.6
167.5°	1397.6	1396.0	1394.4	1392.8	1391.2	1390.5	1389.9	1389.2	1388.5	1388.2	1388.9
170°	1405.8	1404.2	1402.6	1401.0	1399.4	1399.0	1398.5	1398.1	1397.6	1397.4	1398.1
172.5°	1411.9	1410.3	1408.7	1407.1	1405.5	1405.1	1404.6	1404.2	1403.7	1403.5	1404.2
175°	1416.0	1414.4	1412.8	1411.2	1409.6	1409.2	1408.7	1408.3	1407.8	1407.6	1408.4
177.5°	1417.0	1415.4	1413.8	1412.2	1410.6	1410.4	1410.2	1409.9	1409.7	1409.6	1410.4
180°	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7	1411.7

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CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1283.6	1283.6	1283.6	1283.6
2.5°	1259.9	1259.9	1274.7	1290.5
5°	1232.3	1239.2	1262.9	1284.6
7.5°	1205.7	1217.5	1247.1	1274.7
10°	1173.1	1188.9	1225.4	1257.9
12.5°	1141.5	1156.3	1198.7	1235.2
15°	1097.1	1115.9	1161.3	1206.6
17.5°	1052.7	1071.5	1126.7	1180.0
20°	1000.4	1025.1	1087.3	1158.3
22.5°	952.1	982.7	1051.7	1109.0
25°	898.8	946.2	1010.3	1084.3
27.5°	851.5	898.8	963.9	1038.9
30°	798.2	846.5	913.6	982.7
32.5°	746.9	791.3	856.4	941.2
35°	693.6	736.0	799.2	885.0
37.5°	645.3	686.7	755.8	834.7
40°	597.9	641.3	700.5	779.4
42.5°	553.5	592.0	645.3	724.2
45°	513.0	540.7	590.0	664.0
47.5°	470.6	495.3	540.7	614.7
50°	431.2	451.9	491.3	560.4
52.5°	392.7	410.4	446.9	502.2
55°	358.1	374.9	401.6	455.8
57.5°	322.6	335.5	361.1	404.5
60°	288.1	299.9	320.7	356.2
62.5°	253.6	263.4	283.2	311.8
65°	223.0	230.9	245.7	270.3
67.5°	193.4	198.3	210.2	229.9
70°	164.8	168.7	178.6	194.4
72.5°	134.2	138.1	149.0	159.8
75°	108.5	109.5	117.4	126.3
77.5°	84.8	83.9	89.8	96.7
80°	58.2	61.2	66.1	69.1
82.5°	39.5	40.5	42.4	44.4
85°	21.7	22.7	22.7	25.7
87.5°	8.9	9.9	9.9	10.9
90°	8.5	6.0	3.5	1.0
92.5°	22.8	23.7	24.6	25.5
95°	43.9	51.4	58.9	66.4
97.5°	63.7	82.3	100.9	119.5
100°	87.5	118.6	149.7	180.8
102.5°	246.9	247.3	247.8	248.2
105°	331.0	324.1	317.3	310.5
107.5°	400.1	394.4	388.8	383.1
110°	466.8	462.1	457.3	452.5



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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	530.2	526.1	522.0	517.9
115°	598.9	595.0	591.2	587.3
117.5°	661.2	656.7	652.1	647.6
120°	725.2	721.8	718.4	715.0
122.5°	783.1	779.5	775.8	772.2
125°	839.3	836.4	833.4	830.5
127.5°	893.1	890.0	886.8	883.6
130°	944.5	940.9	937.2	933.6
132.5°	993.6	990.6	987.7	984.7
135°	1038.5	1034.8	1031.2	1027.6
137.5°	1080.7	1078.0	1075.2	1072.5
140°	1121.9	1120.1	1118.3	1116.5
142.5°	1158.0	1156.4	1154.8	1153.2
145°	1191.4	1191.6	1191.9	1192.1
147.5°	1223.7	1224.4	1225.1	1225.8
150°	1253.7	1255.2	1256.8	1258.4
152.5°	1280.6	1282.4	1284.2	1286.0
155°	1306.5	1308.5	1310.6	1312.6
157.5°	1328.6	1330.4	1332.2	1334.0
160°	1348.3	1349.7	1351.0	1352.4
162.5°	1364.7	1366.0	1367.4	1368.8
165°	1379.0	1380.3	1381.7	1383.1
167.5°	1390.2	1391.6	1392.9	1394.3
170°	1399.4	1400.8	1402.1	1403.5
172.5°	1405.5	1406.9	1408.2	1409.6
175°	1410.0	1411.5	1413.1	1414.7
177.5°	1412.0	1413.6	1415.2	1416.8
180°	1411.7	1411.7	1411.7	1411.7

TEST NUMBER: P998688

CATALOG NUMBER: SA2XXDIP-B675D1080UB2750-4F0-XX-W2A-A_5000K

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	15.37	16.12	16.41	17.17	18.57	12.86	13.62	13.90	14.66	16.06
	3H	16.17	16.85	17.22	17.90	19.32	14.20	14.87	15.25	15.92	17.35
	4H	16.33	16.98	17.40	18.03	19.46	14.65	15.30	15.72	16.35	17.78
	6H	16.37	16.96	17.45	18.02	19.46	14.96	15.55	16.03	16.60	18.04
	8H	16.35	16.91	17.43	17.98	19.42	15.04	15.60	16.11	16.67	18.10
	12H	16.31	16.84	17.39	17.91	19.37	15.08	15.61	16.16	16.67	18.13
4H	2H	15.39	16.04	16.46	17.09	18.52	13.29	13.93	14.36	14.99	16.41
	3H	16.37	16.90	17.44	17.98	19.42	14.74	15.28	15.82	16.36	17.80
	4H	16.64	17.13	17.72	18.20	19.66	15.28	15.76	16.36	16.84	18.30
	6H	16.76	17.18	17.85	18.28	19.73	15.65	16.07	16.74	17.16	18.62
	8H	16.76	17.15	17.85	18.24	19.71	15.76	16.15	16.85	17.24	18.71
	12H	16.72	17.07	17.83	18.17	19.65	15.81	16.16	16.92	17.26	18.74
8H	4H	16.64	17.03	17.73	18.12	19.59	15.41	15.80	16.50	16.89	18.36
	6H	16.82	17.14	17.93	18.27	19.74	15.84	16.16	16.95	17.29	18.76
	8H	16.85	17.13	17.96	18.24	19.73	15.99	16.27	17.11	17.38	18.87
	12H	16.83	17.07	17.95	18.18	19.71	16.08	16.33	17.20	17.43	18.96
12H	4H	16.59	16.95	17.70	18.05	19.52	15.38	15.73	16.49	16.83	18.31
	6H	16.79	17.08	17.91	18.19	19.68	15.84	16.12	16.96	17.23	18.72
	8H	16.82	17.07	17.94	18.18	19.70	15.99	16.24	17.11	17.35	18.87