

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: P997794

Luminaire Tested: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P997794
REPORT IS A COMBINATION OF REPORTS P983528 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K
Description: Define 2 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

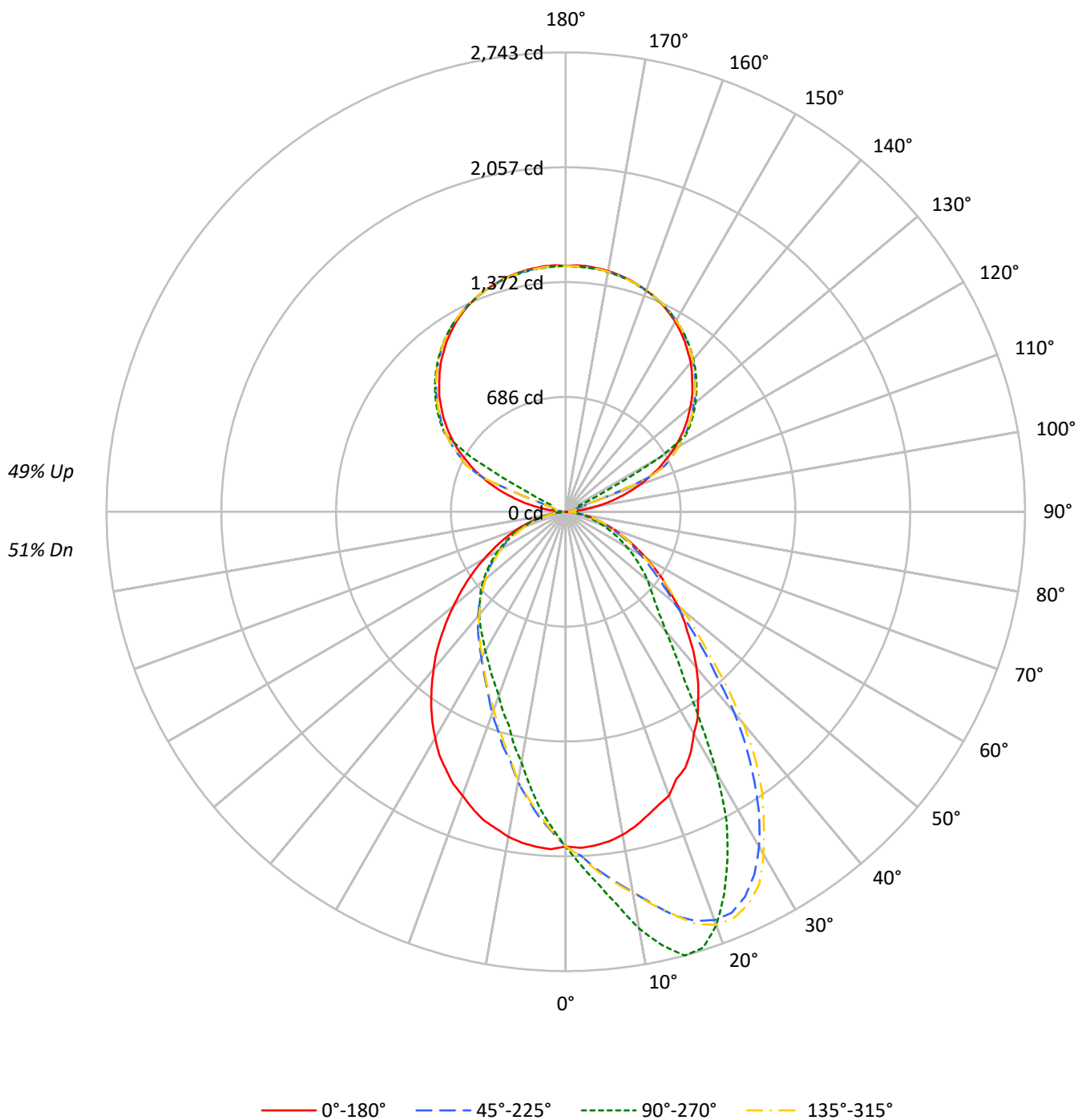
Lumens per Lamp: N/A
Luminaire Lumens: 8716.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 96.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

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	50	30	10
RCR																				
0	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51	51	51
1	98	94	91	87	91	87	84	81	74	72	70	62	60	59	51	50	49	44	44	44
2	90	83	77	72	83	77	72	67	65	62	58	55	52	50	45	44	42	37	37	37
3	82	73	66	61	76	68	62	57	58	54	50	49	46	43	41	38	36	32	32	32
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	37	34	32	28	28	28
5	70	58	50	45	64	54	47	42	47	41	37	40	36	33	33	30	28	25	25	25
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22	22	22
7	60	48	40	34	55	44	38	33	39	33	29	33	29	26	28	25	22	20	20	20
8	55	43	36	31	51	41	34	29	35	30	26	30	26	23	26	22	20	18	18	18
9	52	40	32	27	48	37	31	26	32	27	23	28	24	21	24	21	18	16	16	16
10	48	36	29	25	45	34	28	24	30	25	21	26	22	19	22	19	17	15	15	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31633	31633	31633	31633
5°	31709	33727	31831	26833
10°	31340	36820	31537	22123
15°	30581	38835	31006	18635
20°	30103	36464	30103	16197
25°	29144	31327	29277	14485
30°	27566	24625	28092	13119
35°	26167	17029	26605	12005
40°	24560	12857	24839	11114
45°	22576	10566	22945	10154
50°	20865	9273	20900	9296
55°	18908	7902	19033	8363
60°	16826	6600	17060	7298
65°	14963	5368	15236	6232
70°	13105	4212	13438	5028
75°	10998	3057	11429	3646
80°	8583	1938	9197	2163
85°	5636	976	6074	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32700 cd/sqm

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.3	2.2
10°-20°	554.0	6.4
20°-30°	804.0	9.2
30°-40°	847.6	9.7
40°-50°	750.0	8.6
50°-60°	598.9	6.9
60°-70°	406.8	4.7
70°-80°	208.1	2.4
80°-90°	51.8	0.6
90°-100°	48.4	0.6
100°-110°	180.5	2.1
110°-120°	478.7	5.5
120°-130°	793.9	9.1
130°-140°	843.3	9.7
140°-150°	783.8	9.0
150°-160°	630.1	7.2
160°-170°	406.0	4.7
170°-180°	139.7	1.6
0°-30°	1548.4	17.8
0°-40°	2396.0	27.5
0°-60°	3744.9	43.0
0°-90°	4411.6	50.6
90°-120°	707.6	8.1
90°-150°	3128.5	35.9
90°-180°	4304.0	49.4
0°-180°	8716.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1998	1998	1998	1998	1998	
5°	2000	2232	2008	1776	2000	190
15°	1879	2743	1905	1316	1879	531
25°	1688	2286	1696	1057	1688	772
35°	1378	1244	1401	877	1378	862
45°	1034	750	1051	720	1034	802
55°	710	527	714	558	710	633
65°	421	324	429	376	421	418
75°	197	160	204	190	197	211
85°	40	42	43	31	40	47
90°	1	29	1	29	1	6
95°	69	46	69	46	69	82
105°	323	81	323	81	323	345
115°	611	87	611	87	611	601
125°	864	908	864	908	864	770
135°	1069	1104	1069	1104	1069	826
145°	1240	1259	1240	1259	1240	775
155°	1365	1366	1365	1366	1365	629
165°	1438	1435	1438	1435	1438	406
175°	1471	1463	1471	1463	1471	140
180°	1468	1468	1468	1468	1468	

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2009.1	2013.7	2021.4	2022.9	2038.3	2050.6	2064.4	2064.4	2069.0	2067.5	2055.2
5°	1999.9	2013.7	2033.7	2050.6	2078.2	2090.5	2109.0	2122.8	2135.1	2144.3	2142.8
7.5°	1984.5	2009.1	2038.3	2070.6	2107.4	2128.9	2155.0	2179.6	2196.5	2211.9	2222.6
10°	1958.4	1999.9	2039.8	2082.8	2130.5	2159.6	2190.4	2222.6	2248.7	2277.9	2305.6
12.5°	1923.1	1983.0	2032.2	2089.0	2147.4	2179.6	2228.8	2253.3	2304.0	2377.8	2397.7
15°	1878.6	1960.0	2006.0	2078.2	2155.0	2181.2	2248.7	2288.7	2393.1	2439.2	2494.5
17.5°	1837.1	1927.7	1989.1	2072.1	2147.4	2198.0	2264.1	2345.5	2433.1	2499.1	2560.5
20°	1803.3	1890.8	1964.6	2056.7	2152.0	2216.5	2285.6	2383.9	2479.1	2546.7	2594.3
22.5°	1726.5	1838.6	1924.6	2027.5	2142.8	2231.8	2297.9	2405.4	2508.3	2549.8	2591.3
25°	1688.1	1784.9	1884.7	2001.4	2136.6	2242.6	2299.4	2419.2	2509.9	2525.2	2534.4
27.5°	1617.4	1726.5	1843.2	1976.9	2135.1	2224.2	2296.4	2405.4	2477.6	2466.9	2439.2
30°	1529.9	1663.5	1792.5	1936.9	2113.6	2210.3	2277.9	2377.8	2414.6	2359.3	2310.2
32.5°	1465.4	1591.3	1734.2	1901.6	2089.0	2181.2	2247.2	2325.5	2333.2	2233.4	2150.4
35°	1377.8	1517.6	1678.9	1855.5	2047.5	2130.5	2191.9	2239.5	2202.7	2062.9	1964.6
37.5°	1299.5	1437.7	1609.8	1789.5	1990.7	2072.1	2121.2	2128.9	2038.3	1915.4	1771.0
40°	1213.5	1356.3	1536.0	1725.0	1927.7	1998.4	2029.1	2006.0	1875.5	1732.6	1565.2
42.5°	1127.4	1268.8	1462.3	1655.8	1847.8	1907.7	1920.0	1857.1	1697.3	1529.9	1336.3
45°	1033.7	1181.2	1374.7	1569.8	1755.7	1789.5	1791.0	1700.4	1511.4	1336.3	1156.6
47.5°	956.9	1093.6	1285.7	1480.7	1637.4	1660.4	1651.2	1546.8	1340.9	1144.3	987.7
50°	872.5	1003.0	1193.5	1385.5	1519.1	1525.3	1502.2	1353.2	1152.0	972.3	847.9
52.5°	781.8	913.9	1089.0	1273.4	1393.2	1384.0	1339.4	1179.7	990.7	841.7	746.5
55°	709.6	826.4	990.7	1170.4	1254.9	1228.8	1179.7	1016.8	867.9	741.9	659.0
57.5°	629.8	732.7	894.0	1050.6	1099.8	1075.2	1026.1	874.0	735.8	640.5	585.2
60°	554.5	648.2	789.5	920.1	958.5	932.4	875.5	738.8	639.0	559.1	517.6
62.5°	485.4	566.8	685.1	804.9	820.2	794.1	745.0	634.4	548.4	485.4	454.7
65°	420.9	497.7	592.9	683.5	697.4	669.7	619.0	539.1	467.0	427.0	397.8
67.5°	357.9	419.3	503.8	569.9	577.5	551.4	510.0	445.4	400.9	357.9	336.4
70°	302.6	348.7	414.7	468.5	471.6	447.0	425.5	367.1	333.3	302.6	285.7
72.5°	248.8	281.1	331.8	371.7	373.3	357.9	337.9	301.1	271.9	250.4	233.5
75°	196.6	224.3	255.0	290.3	288.8	276.5	261.1	238.1	213.5	199.7	192.0
77.5°	150.5	167.4	192.0	215.0	215.0	208.9	199.7	182.8	167.4	153.6	145.9
80°	107.5	118.3	138.2	145.9	149.0	147.5	139.8	127.5	121.3	110.6	107.5
82.5°	69.1	76.8	86.0	93.7	98.3	95.2	93.7	87.6	78.3	75.3	72.2
85°	39.9	43.0	47.6	52.2	53.8	52.2	55.3	50.7	46.1	46.1	44.5
87.5°	16.9	18.4	21.5	21.5	23.0	23.0	21.5	23.0	23.0	21.5	20.0
90°	1.1	3.7	6.3	8.8	11.4	12.7	13.6	15.5	17.4	19.3	21.2
92.5°	26.6	25.6	24.7	23.7	22.8	22.3	22.7	23.4	24.1	24.8	25.5
95°	69.1	61.3	53.5	45.7	37.9	34.0	34.8	36.5	38.1	39.8	41.4
97.5°	124.3	104.9	85.6	66.2	46.9	37.2	39.1	42.9	46.6	50.4	54.2
100°	188.0	155.7	123.3	91.0	58.7	42.5	44.5	48.5	52.6	56.6	60.6
102.5°	258.2	257.7	257.2	256.7	256.2	256.0	234.5	191.6	148.6	105.7	62.7
105°	323.0	330.1	337.1	344.2	351.3	354.8	322.6	258.1	193.7	129.2	64.8
107.5°	398.4	404.3	410.2	416.1	422.0	425.0	385.2	305.6	226.1	146.5	66.9
110°	470.6	475.6	480.6	485.5	490.5	493.0	458.9	390.6	322.4	254.1	185.9

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	538.6	542.9	547.1	551.4	555.7	557.8	555.8	551.8	547.7	543.7	539.7
115°	610.9	614.9	618.9	622.9	626.9	628.9	631.9	637.8	643.7	649.6	655.5
117.5°	673.6	678.3	683.0	687.7	692.4	694.8	696.8	700.8	704.9	708.9	712.9
120°	743.7	747.2	750.8	754.3	757.8	759.6	761.7	766.0	770.3	774.5	778.8
122.5°	803.2	807.0	810.8	814.5	818.3	820.2	822.6	827.3	832.0	836.7	841.4
125°	863.7	866.8	869.9	873.0	876.1	877.6	879.8	884.3	888.8	893.2	897.7
127.5°	919.0	922.3	925.6	928.9	932.2	933.9	935.7	939.2	942.7	946.3	949.8
130°	971.0	974.8	978.6	982.3	986.1	988.0	989.3	991.9	994.5	997.1	999.7
132.5°	1024.2	1027.3	1030.3	1033.4	1036.5	1038.0	1039.3	1041.9	1044.5	1047.1	1049.7
135°	1068.8	1072.6	1076.4	1080.1	1083.9	1085.8	1086.9	1089.0	1091.1	1093.2	1095.3
137.5°	1115.5	1118.3	1121.2	1124.0	1126.9	1128.3	1129.5	1131.8	1134.2	1136.5	1138.9
140°	1161.2	1163.1	1165.0	1166.9	1168.8	1169.7	1171.0	1173.6	1176.2	1178.8	1181.4
142.5°	1199.5	1201.1	1202.8	1204.4	1206.1	1206.9	1208.4	1211.5	1214.6	1217.6	1220.7
145°	1239.8	1239.6	1239.4	1239.1	1238.9	1238.8	1240.8	1244.8	1248.8	1252.8	1256.8
147.5°	1274.9	1274.2	1273.5	1272.8	1272.1	1271.7	1273.7	1277.7	1281.8	1285.8	1289.8
150°	1308.9	1307.3	1305.6	1304.0	1302.3	1301.5	1303.4	1307.2	1310.9	1314.7	1318.5
152.5°	1337.6	1335.7	1333.8	1331.9	1330.0	1329.1	1330.9	1334.4	1337.9	1341.5	1345.0
155°	1365.2	1363.1	1360.9	1358.8	1356.7	1355.6	1357.0	1359.9	1362.7	1365.6	1368.4
157.5°	1387.5	1385.6	1383.7	1381.8	1379.9	1379.0	1380.1	1382.2	1384.3	1386.5	1388.6
160°	1406.6	1405.2	1403.8	1402.4	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6
162.5°	1423.6	1422.2	1420.8	1419.4	1418.0	1417.3	1417.9	1419.1	1420.2	1421.4	1422.6
165°	1438.5	1437.1	1435.7	1434.2	1432.8	1432.1	1432.5	1433.2	1433.9	1434.6	1435.3
167.5°	1450.2	1448.8	1447.4	1445.9	1444.5	1443.8	1444.2	1444.9	1445.6	1446.3	1447.0
170°	1459.8	1458.4	1457.0	1455.5	1454.1	1453.4	1453.6	1454.1	1454.6	1455.0	1455.5
172.5°	1466.1	1464.7	1463.3	1461.9	1460.5	1459.8	1460.0	1460.5	1461.0	1461.4	1461.9
175°	1471.4	1469.8	1468.1	1466.5	1464.8	1464.0	1464.2	1464.7	1465.2	1465.6	1466.1
177.5°	1473.6	1471.9	1470.3	1468.6	1466.9	1466.1	1466.2	1466.5	1466.7	1467.0	1467.2
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2076.7	2078.2	2081.3	2096.7	2104.3	2105.9	2099.7	2113.6	2118.2	2113.6	2110.5
5°	2175.0	2184.2	2202.7	2222.6	2221.1	2222.6	2231.8	2241.1	2244.1	2231.8	2236.4
7.5°	2261.0	2279.5	2299.4	2330.1	2330.1	2345.5	2351.6	2359.3	2377.8	2368.5	2365.5
10°	2359.3	2383.9	2420.8	2469.9	2471.5	2486.8	2502.2	2526.8	2534.4	2528.3	2531.4
12.5°	2482.2	2529.8	2532.9	2586.7	2611.2	2614.3	2638.9	2634.3	2649.6	2649.6	2675.7
15°	2536.0	2609.7	2651.2	2703.4	2718.8	2700.3	2720.3	2741.8	2743.3	2743.3	2741.8
17.5°	2632.7	2661.9	2703.4	2731.0	2737.2	2737.2	2738.7	2747.9	2741.8	2729.5	2738.7
20°	2652.7	2665.0	2680.4	2677.3	2680.4	2665.0	2649.6	2634.3	2635.8	2628.1	2651.2
22.5°	2615.8	2612.8	2577.4	2554.4	2554.4	2523.7	2494.5	2480.7	2466.9	2471.5	2479.1
25°	2523.7	2476.1	2433.1	2399.3	2391.6	2342.4	2302.5	2290.2	2267.2	2285.6	2288.7
27.5°	2376.2	2322.5	2253.3	2224.2	2184.2	2164.3	2136.6	2099.7	2052.1	2079.8	2075.2
30°	2218.0	2138.1	2081.3	2010.7	1947.7	1943.1	1890.8	1829.4	1804.8	1804.8	1818.6
32.5°	2041.4	1935.4	1852.4	1752.6	1691.2	1665.0	1602.1	1540.6	1554.5	1508.4	1525.3
35°	1835.5	1695.8	1591.3	1494.5	1448.5	1417.7	1336.3	1302.5	1265.7	1244.2	1284.1
37.5°	1638.9	1477.7	1344.0	1238.0	1221.1	1165.8	1110.5	1089.0	1067.5	1076.8	1075.2
40°	1399.3	1256.5	1136.7	1053.7	1024.5	998.4	961.5	935.4	921.6	929.3	930.8
42.5°	1182.7	1062.9	973.8	915.5	890.9	872.5	854.0	832.5	827.9	827.9	834.1
45°	1015.3	917.0	857.1	809.5	795.7	781.8	768.0	758.8	755.7	749.6	754.2
47.5°	881.7	803.3	766.5	731.1	715.8	712.7	700.4	695.8	689.7	688.1	689.7
50°	769.5	720.4	686.6	666.6	655.9	651.3	645.1	635.9	632.8	640.5	637.4
52.5°	691.2	645.1	626.7	606.7	600.6	594.4	585.2	586.8	585.2	582.2	582.2
55°	612.9	583.7	565.3	549.9	548.4	542.2	534.5	531.5	529.9	526.9	531.5
57.5°	549.9	526.9	510.0	496.1	490.0	490.0	482.3	476.2	476.2	474.6	476.2
60°	486.9	463.9	453.1	439.3	434.7	433.2	428.6	425.5	420.9	420.9	420.9
62.5°	428.6	410.1	397.8	385.5	387.1	379.4	373.3	370.2	370.2	371.7	371.7
65°	373.3	361.0	345.6	334.9	331.8	330.2	327.2	325.6	321.0	324.1	324.1
67.5°	322.6	305.7	296.5	291.8	287.2	285.7	282.6	279.6	278.0	276.5	279.6
70°	271.9	258.1	250.4	247.3	242.7	241.2	239.6	235.0	236.5	238.1	239.6
72.5°	225.8	213.5	212.0	202.8	202.8	202.8	196.6	199.7	198.1	195.1	198.1
75°	178.2	172.0	169.0	164.4	165.9	164.4	162.8	158.2	158.2	159.7	161.3
77.5°	141.3	135.2	133.6	129.0	126.0	129.0	126.0	124.4	124.4	126.0	126.0
80°	104.4	101.4	96.8	96.8	96.8	95.2	95.2	95.2	93.7	92.2	93.7
82.5°	69.1	69.1	67.6	66.0	67.6	64.5	66.0	66.0	66.0	66.0	66.0
85°	44.5	43.0	43.0	41.5	41.5	41.5	43.0	39.9	39.9	41.5	41.5
87.5°	20.0	20.0	20.0	21.5	20.0	20.0	20.0	21.5	20.0	20.0	20.0
90°	22.4	23.6	24.8	26.0	26.6	26.8	27.3	27.8	28.2	28.7	28.2
92.5°	26.0	26.4	26.9	27.4	27.6	27.7	28.0	28.2	28.5	28.7	28.5
95°	42.6	43.8	44.9	46.1	46.7	46.6	46.4	46.1	45.9	45.7	45.9
97.5°	54.9	55.6	56.3	57.0	57.4	57.5	57.7	58.0	58.2	58.4	58.2
100°	62.5	64.4	66.3	68.2	69.1	69.3	69.8	70.3	70.7	71.2	70.7
102.5°	65.3	67.9	70.5	73.1	74.4	74.8	75.5	76.2	76.9	77.6	76.9
105°	67.4	70.0	72.6	75.2	76.5	77.0	77.9	78.8	79.8	80.7	79.8
107.5°	69.5	72.1	74.7	77.3	78.6	79.1	80.0	81.0	81.9	82.9	81.9
110°	162.3	138.7	115.1	91.5	79.7	80.2	81.1	82.0	83.0	83.9	83.0

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	437.9	336.2	234.4	132.7	81.8	82.2	82.9	83.6	84.3	85.0	84.3
115°	546.2	436.9	327.6	218.3	163.6	155.1	138.1	121.1	104.1	87.1	104.1
117.5°	679.1	645.4	611.6	577.9	561.0	530.1	468.2	406.3	344.5	282.6	344.5
120°	781.6	784.4	787.3	790.1	791.5	775.6	743.7	711.8	680.0	648.1	680.0
122.5°	842.8	844.2	845.7	847.1	847.8	847.9	848.2	848.4	848.7	848.9	848.7
125°	899.4	901.0	902.7	904.4	905.2	905.6	906.3	907.0	907.7	908.4	907.7
127.5°	952.2	954.5	956.9	959.2	960.4	960.5	960.8	961.0	961.3	961.5	961.3
130°	1002.3	1004.9	1007.5	1010.1	1011.4	1011.3	1011.1	1010.8	1010.6	1010.4	1010.6
132.5°	1051.8	1053.9	1056.0	1058.1	1059.2	1059.1	1058.9	1058.6	1058.4	1058.2	1058.4
135°	1097.7	1100.1	1102.4	1104.8	1106.0	1105.8	1105.3	1104.8	1104.3	1103.8	1104.3
137.5°	1141.3	1143.6	1146.0	1148.3	1149.5	1149.1	1148.4	1147.7	1147.0	1146.3	1147.0
140°	1183.5	1185.7	1187.8	1189.9	1191.0	1190.4	1189.2	1188.1	1186.9	1185.7	1186.9
142.5°	1222.6	1224.5	1226.4	1228.3	1229.2	1228.6	1227.4	1226.3	1225.1	1223.9	1225.1
145°	1258.5	1260.1	1261.8	1263.5	1264.3	1263.7	1262.5	1261.4	1260.2	1259.0	1260.2
147.5°	1291.0	1292.2	1293.3	1294.5	1295.1	1294.6	1293.7	1292.7	1291.8	1290.8	1291.8
150°	1319.9	1321.3	1322.7	1324.1	1324.8	1324.2	1323.0	1321.9	1320.7	1319.5	1320.7
152.5°	1346.4	1347.8	1349.3	1350.7	1351.4	1350.6	1348.9	1347.3	1345.6	1344.0	1345.6
155°	1369.8	1371.2	1372.7	1374.1	1374.8	1373.9	1372.0	1370.1	1368.2	1366.3	1368.2
157.5°	1390.2	1391.9	1393.5	1395.2	1396.0	1395.1	1393.2	1391.3	1389.4	1387.5	1389.4
160°	1408.0	1409.4	1410.9	1412.3	1413.0	1412.2	1410.5	1408.9	1407.2	1405.6	1407.2
162.5°	1424.2	1425.9	1427.5	1429.2	1430.0	1428.9	1426.8	1424.7	1422.5	1420.4	1422.5
165°	1437.0	1438.6	1440.3	1442.0	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1437.0
167.5°	1448.6	1450.3	1451.9	1453.6	1454.4	1453.3	1451.2	1449.1	1447.0	1444.9	1447.0
170°	1457.1	1458.8	1460.4	1462.1	1462.9	1461.8	1459.7	1457.6	1455.5	1453.4	1455.5
172.5°	1463.5	1465.2	1466.8	1468.5	1469.3	1468.2	1466.1	1464.0	1461.9	1459.8	1461.9
175°	1467.8	1469.4	1471.1	1472.8	1473.6	1472.4	1470.0	1467.7	1465.3	1462.9	1465.3
177.5°	1468.8	1470.5	1472.1	1473.8	1474.6	1473.5	1471.4	1469.3	1467.2	1465.1	1467.2
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2118.2	2107.4	2098.2	2099.7	2107.4	2101.3	2085.9	2065.9	2058.3	2049.1	2058.3
5°	2245.7	2236.4	2218.0	2219.6	2214.9	2208.8	2184.2	2153.5	2153.5	2128.9	2125.9
7.5°	2371.6	2357.8	2345.5	2342.4	2325.5	2313.2	2291.7	2248.7	2231.8	2202.7	2185.8
10°	2512.9	2502.2	2488.4	2471.5	2462.2	2440.7	2405.4	2342.4	2311.7	2271.8	2242.6
12.5°	2655.8	2654.2	2623.5	2589.7	2588.2	2554.4	2529.8	2445.3	2403.9	2350.1	2281.0
15°	2746.4	2738.7	2721.8	2704.9	2709.5	2672.7	2617.4	2517.5	2489.9	2425.4	2351.6
17.5°	2744.9	2744.9	2740.3	2737.2	2732.6	2721.8	2691.1	2625.1	2580.5	2499.1	2430.0
20°	2657.3	2677.3	2681.9	2680.4	2695.7	2703.4	2701.9	2660.4	2625.1	2552.9	2482.2
22.5°	2482.2	2528.3	2548.3	2560.5	2592.8	2609.7	2649.6	2634.3	2625.1	2571.3	2511.4
25°	2319.4	2334.8	2394.7	2397.7	2442.3	2483.7	2523.7	2549.8	2583.6	2563.6	2512.9
27.5°	2109.0	2144.3	2187.3	2219.6	2228.8	2313.2	2379.3	2428.5	2505.3	2511.4	2494.5
30°	1870.9	1887.8	1958.4	2001.4	2050.6	2112.0	2207.3	2291.7	2360.9	2423.8	2445.3
32.5°	1580.6	1649.7	1691.2	1743.4	1786.4	1895.5	2012.2	2121.2	2201.1	2307.1	2353.2
35°	1314.8	1368.6	1439.3	1460.8	1539.1	1631.3	1783.3	1923.1	2044.4	2152.0	2245.7
37.5°	1095.2	1138.2	1213.5	1247.2	1293.3	1411.6	1539.1	1712.7	1858.6	1990.7	2107.4
40°	944.7	976.9	1033.7	1044.5	1082.9	1190.4	1293.3	1456.1	1649.7	1827.9	1955.4
42.5°	841.7	857.1	895.5	909.3	933.9	1006.1	1098.3	1251.9	1431.6	1615.9	1795.6
45°	768.0	778.8	801.8	814.1	844.8	877.1	952.3	1075.2	1216.5	1402.4	1595.9
47.5°	702.0	715.8	725.0	732.7	749.6	784.9	834.1	924.7	1059.9	1230.4	1417.7
50°	646.7	651.3	668.2	669.7	680.5	703.5	749.6	804.9	912.4	1050.6	1231.9
52.5°	591.4	596.0	606.7	617.5	622.1	640.5	671.2	717.3	797.2	906.3	1067.5
55°	536.1	542.2	553.0	560.6	565.3	580.6	599.0	643.6	706.6	783.4	915.5
57.5°	480.8	494.6	497.7	502.3	510.0	526.9	543.8	569.9	619.0	689.7	786.4
60°	428.6	433.2	443.9	448.5	456.2	465.4	486.9	506.9	542.2	597.5	685.1
62.5°	374.8	385.5	390.1	394.8	400.9	411.7	425.5	447.0	477.7	522.2	591.4
65°	328.7	330.2	339.5	345.6	351.7	359.4	373.3	393.2	411.7	453.1	503.8
67.5°	284.2	287.2	290.3	296.5	304.1	311.8	324.1	334.9	357.9	385.5	425.5
70°	241.2	241.2	248.8	253.4	251.9	261.1	270.3	282.6	299.5	325.6	357.9
72.5°	202.8	201.2	207.4	208.9	212.0	218.1	224.3	236.5	245.8	265.7	290.3
75°	161.3	164.4	167.4	167.4	172.0	176.6	182.8	188.9	199.7	212.0	230.4
77.5°	127.5	127.5	130.6	132.1	136.7	135.2	141.3	147.5	155.1	165.9	179.7
80°	93.7	96.8	96.8	96.8	98.3	99.8	106.0	110.6	115.2	122.9	129.0
82.5°	66.0	66.0	69.1	69.1	69.1	72.2	72.2	73.7	76.8	81.4	86.0
85°	41.5	41.5	41.5	43.0	41.5	43.0	46.1	44.5	46.1	49.2	49.2
87.5°	20.0	20.0	20.0	20.0	20.0	21.5	20.0	21.5	23.0	23.0	23.0
90°	27.8	27.3	26.8	26.6	26.0	24.8	23.6	22.4	21.2	19.3	17.4
92.5°	28.2	28.0	27.7	27.6	27.4	26.9	26.4	26.0	25.5	24.8	24.1
95°	46.1	46.4	46.6	46.7	46.1	44.9	43.8	42.6	41.4	39.8	38.1
97.5°	58.0	57.7	57.5	57.4	57.0	56.3	55.6	54.9	54.2	50.4	46.6
100°	70.3	69.8	69.3	69.1	68.2	66.3	64.4	62.5	60.6	56.6	52.6
102.5°	76.2	75.5	74.8	74.4	73.1	70.5	67.9	65.3	62.7	105.7	148.6
105°	78.8	77.9	77.0	76.5	75.2	72.6	70.0	67.4	64.8	129.2	193.7
107.5°	81.0	80.0	79.1	78.6	77.3	74.7	72.1	69.5	66.9	146.5	226.1
110°	82.0	81.1	80.2	79.7	91.5	115.1	138.7	162.3	185.9	254.1	322.4

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.6	82.9	82.2	81.8	132.7	234.4	336.2	437.9	539.7	543.7	547.7
115°	121.1	138.1	155.1	163.6	218.3	327.6	436.9	546.2	655.5	649.6	643.7
117.5°	406.3	468.2	530.1	561.0	577.9	611.6	645.4	679.1	712.9	708.9	704.9
120°	711.8	743.7	775.6	791.5	790.1	787.3	784.4	781.6	778.8	774.5	770.3
122.5°	848.4	848.2	847.9	847.8	847.1	845.7	844.2	842.8	841.4	836.7	832.0
125°	907.0	906.3	905.6	905.2	904.4	902.7	901.0	899.4	897.7	893.2	888.8
127.5°	961.0	960.8	960.5	960.4	959.2	956.9	954.5	952.2	949.8	946.3	942.7
130°	1010.8	1011.1	1011.3	1011.4	1010.1	1007.5	1004.9	1002.3	999.7	997.1	994.5
132.5°	1058.6	1058.9	1059.1	1059.2	1058.1	1056.0	1053.9	1051.8	1049.7	1047.1	1044.5
135°	1104.8	1105.3	1105.8	1106.0	1104.8	1102.4	1100.1	1097.7	1095.3	1093.2	1091.1
137.5°	1147.7	1148.4	1149.1	1149.5	1148.3	1146.0	1143.6	1141.3	1138.9	1136.5	1134.2
140°	1188.1	1189.2	1190.4	1191.0	1189.9	1187.8	1185.7	1183.5	1181.4	1178.8	1176.2
142.5°	1226.3	1227.4	1228.6	1229.2	1228.3	1226.4	1224.5	1222.6	1220.7	1217.6	1214.6
145°	1261.4	1262.5	1263.7	1264.3	1263.5	1261.8	1260.1	1258.5	1256.8	1252.8	1248.8
147.5°	1292.7	1293.7	1294.6	1295.1	1294.5	1293.3	1292.2	1291.0	1289.8	1285.8	1281.8
150°	1321.9	1323.0	1324.2	1324.8	1324.1	1322.7	1321.3	1319.9	1318.5	1314.7	1310.9
152.5°	1347.3	1348.9	1350.6	1351.4	1350.7	1349.3	1347.8	1346.4	1345.0	1341.5	1337.9
155°	1370.1	1372.0	1373.9	1374.8	1374.1	1372.7	1371.2	1369.8	1368.4	1365.6	1362.7
157.5°	1391.3	1393.2	1395.1	1396.0	1395.2	1393.5	1391.9	1390.2	1388.6	1386.5	1384.3
160°	1408.9	1410.5	1412.2	1413.0	1412.3	1410.9	1409.4	1408.0	1406.6	1405.2	1403.8
162.5°	1424.7	1426.8	1428.9	1430.0	1429.2	1427.5	1425.9	1424.2	1422.6	1421.4	1420.2
165°	1438.6	1440.3	1442.0	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1434.6	1433.9
167.5°	1449.1	1451.2	1453.3	1454.4	1453.6	1451.9	1450.3	1448.6	1447.0	1446.3	1445.6
170°	1457.6	1459.7	1461.8	1462.9	1462.1	1460.4	1458.8	1457.1	1455.5	1455.0	1454.6
172.5°	1464.0	1466.1	1468.2	1469.3	1468.5	1466.8	1465.2	1463.5	1461.9	1461.4	1461.0
175°	1467.7	1470.0	1472.4	1473.6	1472.8	1471.1	1469.4	1467.8	1466.1	1465.6	1465.2
177.5°	1469.3	1471.4	1473.5	1474.6	1473.8	1472.1	1470.5	1468.8	1467.2	1467.0	1466.7
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	2050.6	2042.9	2038.3	2041.4	2032.2	2009.1	2009.1	2016.8	2007.6	1998.4	1984.5
5°	2107.4	2092.1	2082.8	2081.3	2059.8	2022.9	2015.3	2007.6	1987.6	1966.1	1943.1
7.5°	2162.7	2135.1	2119.7	2109.0	2078.2	2030.6	2010.7	1993.8	1961.5	1929.2	1900.1
10°	2208.8	2168.9	2150.4	2133.5	2093.6	2033.7	2001.4	1970.7	1929.2	1887.8	1850.9
12.5°	2245.7	2199.6	2176.5	2152.0	2102.8	2024.5	1984.5	1935.4	1893.9	1838.6	1801.8
15°	2307.1	2211.9	2190.4	2167.3	2116.6	2009.1	1960.0	1904.7	1847.8	1774.1	1734.2
17.5°	2356.3	2228.8	2227.2	2178.1	2112.0	2003.0	1927.7	1855.5	1794.1	1720.3	1657.4
20°	2385.4	2254.9	2230.3	2179.6	2096.7	1961.5	1883.2	1803.3	1737.2	1648.2	1585.2
22.5°	2410.0	2291.7	2227.2	2165.8	2064.4	1947.7	1832.5	1757.2	1666.6	1569.8	1509.9
25°	2419.2	2299.4	2231.8	2161.2	2041.4	1907.7	1777.2	1695.8	1594.4	1506.8	1425.4
27.5°	2420.8	2297.9	2214.9	2141.2	2009.1	1855.5	1721.9	1635.9	1523.7	1422.4	1340.9
30°	2405.4	2281.0	2205.7	2125.9	1978.4	1807.9	1654.3	1559.1	1439.3	1337.9	1253.4
32.5°	2359.3	2247.2	2185.8	2098.2	1938.5	1741.8	1589.8	1483.8	1357.8	1258.0	1176.6
35°	2282.5	2205.7	2138.1	2056.7	1886.2	1680.4	1525.3	1400.9	1273.4	1178.1	1101.3
37.5°	2187.3	2145.8	2082.8	2003.0	1826.3	1625.1	1453.1	1314.8	1187.3	1095.2	1019.9
40°	2058.3	2069.0	2007.6	1935.4	1755.7	1549.8	1359.4	1227.3	1107.5	1021.5	947.7
42.5°	1918.5	1963.0	1927.7	1858.6	1677.3	1466.9	1290.3	1144.3	1027.6	938.5	877.1
45°	1768.0	1844.8	1823.3	1772.6	1595.9	1379.3	1192.0	1050.6	947.7	861.7	807.9
47.5°	1603.6	1712.7	1712.7	1675.8	1505.3	1291.8	1107.5	963.1	861.7	800.3	748.0
50°	1436.2	1559.1	1579.0	1554.5	1403.9	1192.0	1004.6	874.0	786.4	726.5	688.1
52.5°	1261.1	1403.9	1440.8	1428.5	1296.4	1096.7	920.1	792.6	712.7	660.5	626.7
55°	1093.6	1259.5	1299.5	1304.1	1181.2	992.3	826.4	714.3	637.4	602.1	572.9
57.5°	935.4	1095.2	1139.7	1147.4	1064.5	897.0	738.8	640.5	571.4	542.2	519.2
60°	800.3	933.9	992.3	1009.2	937.0	786.4	657.4	562.2	510.0	482.3	460.8
62.5°	689.7	797.2	858.6	863.2	831.0	689.7	572.9	493.1	448.5	423.9	413.2
65°	582.2	678.9	715.8	734.2	708.1	597.5	494.6	428.6	393.2	371.7	361.0
67.5°	496.1	557.6	588.3	612.9	586.8	503.8	420.9	367.1	341.0	319.5	313.3
70°	407.0	457.7	480.8	505.4	482.3	419.3	359.4	310.3	287.2	270.3	262.7
72.5°	325.6	365.6	387.1	402.4	388.6	336.4	287.2	253.4	236.5	224.3	219.7
75°	258.1	285.7	298.0	308.7	302.6	262.7	231.9	204.3	188.9	178.2	175.1
77.5°	196.6	216.6	230.4	233.5	225.8	199.7	173.6	156.7	144.4	138.2	135.2
80°	139.8	152.1	159.7	164.4	156.7	145.9	127.5	115.2	104.4	96.8	95.2
82.5°	93.7	99.8	106.0	104.4	101.4	92.2	81.4	75.3	70.7	64.5	64.5
85°	53.8	55.3	58.4	59.9	58.4	52.2	46.1	43.0	39.9	35.3	35.3
87.5°	23.0	24.6	24.6	26.1	23.0	23.0	20.0	16.9	16.9	15.4	13.8
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°	23.4	22.7	22.3	22.8	23.7	24.7	25.6	26.6	25.6	24.7	23.7
95°	36.5	34.8	34.0	37.9	45.7	53.5	61.3	69.1	61.3	53.5	45.7
97.5°	42.9	39.1	37.2	46.9	66.2	85.6	104.9	124.3	104.9	85.6	66.2
100°	48.5	44.5	42.5	58.7	91.0	123.3	155.7	188.0	155.7	123.3	91.0
102.5°	191.6	234.5	256.0	256.2	256.7	257.2	257.7	258.2	257.7	257.2	256.7
105°	258.1	322.6	354.8	351.3	344.2	337.1	330.1	323.0	330.1	337.1	344.2
107.5°	305.6	385.2	425.0	422.0	416.1	410.2	404.3	398.4	404.3	410.2	416.1
110°	390.6	458.9	493.0	490.5	485.5	480.6	475.6	470.6	475.6	480.6	485.5

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	551.8	555.8	557.8	555.7	551.4	547.1	542.9	538.6	542.9	547.1	551.4
115°	637.8	631.9	628.9	626.9	622.9	618.9	614.9	610.9	614.9	618.9	622.9
117.5°	700.8	696.8	694.8	692.4	687.7	683.0	678.3	673.6	678.3	683.0	687.7
120°	766.0	761.7	759.6	757.8	754.3	750.8	747.2	743.7	747.2	750.8	754.3
122.5°	827.3	822.6	820.2	818.3	814.5	810.8	807.0	803.2	807.0	810.8	814.5
125°	884.3	879.8	877.6	876.1	873.0	869.9	866.8	863.7	866.8	869.9	873.0
127.5°	939.2	935.7	933.9	932.2	928.9	925.6	922.3	919.0	922.3	925.6	928.9
130°	991.9	989.3	988.0	986.1	982.3	978.6	974.8	971.0	974.8	978.6	982.3
132.5°	1041.9	1039.3	1038.0	1036.5	1033.4	1030.3	1027.3	1024.2	1027.3	1030.3	1033.4
135°	1089.0	1086.9	1085.8	1083.9	1080.1	1076.4	1072.6	1068.8	1072.6	1076.4	1080.1
137.5°	1131.8	1129.5	1128.3	1126.9	1124.0	1121.2	1118.3	1115.5	1118.3	1121.2	1124.0
140°	1173.6	1171.0	1169.7	1168.8	1166.9	1165.0	1163.1	1161.2	1163.1	1165.0	1166.9
142.5°	1211.5	1208.4	1206.9	1206.1	1204.4	1202.8	1201.1	1199.5	1201.1	1202.8	1204.4
145°	1244.8	1240.8	1238.8	1238.9	1239.1	1239.4	1239.6	1239.8	1239.6	1239.4	1239.1
147.5°	1277.7	1273.7	1271.7	1272.1	1272.8	1273.5	1274.2	1274.9	1274.2	1273.5	1272.8
150°	1307.2	1303.4	1301.5	1302.3	1304.0	1305.6	1307.3	1308.9	1307.3	1305.6	1304.0
152.5°	1334.4	1330.9	1329.1	1330.0	1331.9	1333.8	1335.7	1337.6	1335.7	1333.8	1331.9
155°	1359.9	1357.0	1355.6	1356.7	1358.8	1360.9	1363.1	1365.2	1363.1	1360.9	1358.8
157.5°	1382.2	1380.1	1379.0	1379.9	1381.8	1383.7	1385.6	1387.5	1385.6	1383.7	1381.8
160°	1402.4	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6	1405.2	1403.8	1402.4
162.5°	1419.1	1417.9	1417.3	1418.0	1419.4	1420.8	1422.2	1423.6	1422.2	1420.8	1419.4
165°	1433.2	1432.5	1432.1	1432.8	1434.2	1435.7	1437.1	1438.5	1437.1	1435.7	1434.2
167.5°	1444.9	1444.2	1443.8	1444.5	1445.9	1447.4	1448.8	1450.2	1448.8	1447.4	1445.9
170°	1454.1	1453.6	1453.4	1454.1	1455.5	1457.0	1458.4	1459.8	1458.4	1457.0	1455.5
172.5°	1460.5	1460.0	1459.8	1460.5	1461.9	1463.3	1464.7	1466.1	1464.7	1463.3	1461.9
175°	1464.7	1464.2	1464.0	1464.8	1466.5	1468.1	1469.8	1471.4	1469.8	1468.1	1466.5
177.5°	1466.5	1466.2	1466.1	1466.9	1468.6	1470.3	1471.9	1473.6	1471.9	1470.3	1468.6
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1976.9	1984.5	1983.0	1967.6	1950.7	1936.9	1910.8	1913.9	1904.7	1906.2	1915.4
5°	1927.7	1927.7	1921.6	1900.1	1872.4	1857.1	1827.9	1820.2	1801.8	1800.2	1798.7
7.5°	1875.5	1867.8	1860.1	1829.4	1795.6	1771.0	1731.1	1721.9	1703.4	1691.2	1685.0
10°	1814.0	1803.3	1787.9	1752.6	1711.1	1680.4	1638.9	1626.6	1591.3	1576.0	1566.7
12.5°	1746.5	1740.3	1715.7	1686.6	1619.0	1585.2	1525.3	1537.6	1502.2	1471.5	1466.9
15°	1678.9	1655.8	1642.0	1594.4	1513.0	1497.6	1450.0	1425.4	1393.2	1368.6	1368.6
17.5°	1612.8	1577.5	1546.8	1496.1	1436.2	1393.2	1357.8	1345.6	1305.6	1281.0	1276.4
20°	1525.3	1485.3	1477.7	1405.5	1364.0	1316.4	1282.6	1251.9	1222.7	1211.9	1204.2
22.5°	1442.3	1396.2	1384.0	1322.5	1281.0	1233.4	1199.6	1178.1	1156.6	1148.9	1135.1
25°	1353.2	1325.6	1307.2	1241.1	1195.0	1150.5	1127.4	1112.1	1092.1	1090.6	1081.4
27.5°	1267.2	1241.1	1222.7	1159.7	1125.9	1084.4	1066.0	1049.1	1038.4	1033.7	1029.1
30°	1193.5	1164.3	1142.8	1096.7	1055.2	1021.5	1006.1	995.3	989.2	981.5	980.0
32.5°	1112.1	1095.2	1066.0	1030.7	998.4	966.2	956.9	949.3	940.0	937.0	935.4
35°	1043.0	1019.9	1001.5	961.5	947.7	920.1	909.3	903.2	890.9	887.8	884.7
37.5°	975.4	953.9	933.9	909.3	883.2	867.9	861.7	852.5	846.3	847.9	844.8
40°	907.8	890.9	875.5	849.4	834.1	826.4	814.1	804.9	801.8	803.3	801.8
42.5°	841.7	826.4	817.2	797.2	781.8	774.2	766.5	757.3	761.9	761.9	766.5
45°	781.8	768.0	761.9	746.5	737.3	725.0	717.3	715.8	721.9	720.4	720.4
47.5°	720.4	715.8	708.1	694.3	682.0	674.3	672.8	672.8	678.9	682.0	680.5
50°	672.8	663.6	654.3	643.6	634.4	631.3	626.7	629.8	635.9	635.9	639.0
52.5°	612.9	606.7	603.7	594.4	588.3	588.3	588.3	589.8	594.4	599.0	597.5
55°	560.6	556.0	553.0	548.4	540.7	542.2	540.7	543.8	548.4	553.0	556.0
57.5°	505.4	503.8	500.7	493.1	493.1	491.5	496.1	497.7	505.4	508.4	513.0
60°	456.2	451.6	451.6	445.4	445.4	445.4	450.1	454.7	460.8	462.3	465.4
62.5°	404.0	404.0	402.4	397.8	397.8	402.4	404.0	410.1	413.2	413.2	417.8
65°	354.8	353.3	351.7	353.3	354.8	354.8	359.4	362.5	365.6	367.1	368.6
67.5°	305.7	304.1	307.2	305.7	308.7	314.9	313.3	318.0	322.6	322.6	324.1
70°	259.6	262.7	261.1	264.2	262.7	265.7	270.3	271.9	271.9	273.4	278.0
72.5°	216.6	216.6	216.6	215.0	216.6	219.7	222.7	224.3	227.3	228.9	233.5
75°	175.1	175.1	172.0	175.1	175.1	178.2	181.3	181.3	181.3	184.3	188.9
77.5°	132.1	133.6	132.1	135.2	135.2	136.7	139.8	138.2	141.3	142.9	144.4
80°	96.8	95.2	95.2	95.2	96.8	96.8	99.8	101.4	101.4	106.0	102.9
82.5°	61.4	63.0	61.4	63.0	63.0	64.5	63.0	64.5	66.0	69.1	67.6
85°	35.3	33.8	33.8	35.3	33.8	33.8	35.3	33.8	35.3	33.8	35.3
87.5°	13.8	12.3	12.3	12.3	12.3	10.8	10.8	9.2	9.2	9.2	7.7
90°	11.4	12.7	13.6	15.5	17.4	19.3	21.2	22.4	23.6	24.8	26.0
92.5°	22.8	22.3	22.7	23.4	24.1	24.8	25.5	26.0	26.4	26.9	27.4
95°	37.9	34.0	34.8	36.5	38.1	39.8	41.4	42.6	43.8	44.9	46.1
97.5°	46.9	37.2	39.1	42.9	46.6	50.4	54.2	54.9	55.6	56.3	57.0
100°	58.7	42.5	44.5	48.5	52.6	56.6	60.6	62.5	64.4	66.3	68.2
102.5°	256.2	256.0	234.5	191.6	148.6	105.7	62.7	65.3	67.9	70.5	73.1
105°	351.3	354.8	322.6	258.1	193.7	129.2	64.8	67.4	70.0	72.6	75.2
107.5°	422.0	425.0	385.2	305.6	226.1	146.5	66.9	69.5	72.1	74.7	77.3
110°	490.5	493.0	458.9	390.6	322.4	254.1	185.9	162.3	138.7	115.1	91.5

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	555.7	557.8	555.8	551.8	547.7	543.7	539.7	437.9	336.2	234.4	132.7
115°	626.9	628.9	631.9	637.8	643.7	649.6	655.5	546.2	436.9	327.6	218.3
117.5°	692.4	694.8	696.8	700.8	704.9	708.9	712.9	679.1	645.4	611.6	577.9
120°	757.8	759.6	761.7	766.0	770.3	774.5	778.8	781.6	784.4	787.3	790.1
122.5°	818.3	820.2	822.6	827.3	832.0	836.7	841.4	842.8	844.2	845.7	847.1
125°	876.1	877.6	879.8	884.3	888.8	893.2	897.7	899.4	901.0	902.7	904.4
127.5°	932.2	933.9	935.7	939.2	942.7	946.3	949.8	952.2	954.5	956.9	959.2
130°	986.1	988.0	989.3	991.9	994.5	997.1	999.7	1002.3	1004.9	1007.5	1010.1
132.5°	1036.5	1038.0	1039.3	1041.9	1044.5	1047.1	1049.7	1051.8	1053.9	1056.0	1058.1
135°	1083.9	1085.8	1086.9	1089.0	1091.1	1093.2	1095.3	1097.7	1100.1	1102.4	1104.8
137.5°	1126.9	1128.3	1129.5	1131.8	1134.2	1136.5	1138.9	1141.3	1143.6	1146.0	1148.3
140°	1168.8	1169.7	1171.0	1173.6	1176.2	1178.8	1181.4	1183.5	1185.7	1187.8	1189.9
142.5°	1206.1	1206.9	1208.4	1211.5	1214.6	1217.6	1220.7	1222.6	1224.5	1226.4	1228.3
145°	1238.9	1238.8	1240.8	1244.8	1248.8	1252.8	1256.8	1258.5	1260.1	1261.8	1263.5
147.5°	1272.1	1271.7	1273.7	1277.7	1281.8	1285.8	1289.8	1291.0	1292.2	1293.3	1294.5
150°	1302.3	1301.5	1303.4	1307.2	1310.9	1314.7	1318.5	1319.9	1321.3	1322.7	1324.1
152.5°	1330.0	1329.1	1330.9	1334.4	1337.9	1341.5	1345.0	1346.4	1347.8	1349.3	1350.7
155°	1356.7	1355.6	1357.0	1359.9	1362.7	1365.6	1368.4	1369.8	1371.2	1372.7	1374.1
157.5°	1379.9	1379.0	1380.1	1382.2	1384.3	1386.5	1388.6	1390.2	1391.9	1393.5	1395.2
160°	1401.0	1400.3	1401.0	1402.4	1403.8	1405.2	1406.6	1408.0	1409.4	1410.9	1412.3
162.5°	1418.0	1417.3	1417.9	1419.1	1420.2	1421.4	1422.6	1424.2	1425.9	1427.5	1429.2
165°	1432.8	1432.1	1432.5	1433.2	1433.9	1434.6	1435.3	1437.0	1438.6	1440.3	1442.0
167.5°	1444.5	1443.8	1444.2	1444.9	1445.6	1446.3	1447.0	1448.6	1450.3	1451.9	1453.6
170°	1454.1	1453.4	1453.6	1454.1	1454.6	1455.0	1455.5	1457.1	1458.8	1460.4	1462.1
172.5°	1460.5	1459.8	1460.0	1460.5	1461.0	1461.4	1461.9	1463.5	1465.2	1466.8	1468.5
175°	1464.8	1464.0	1464.2	1464.7	1465.2	1465.6	1466.1	1467.8	1469.4	1471.1	1472.8
177.5°	1466.9	1466.1	1466.2	1466.5	1466.7	1467.0	1467.2	1468.8	1470.5	1472.1	1473.8
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1904.7	1909.3	1898.5	1895.5	1898.5	1887.8	1890.8	1893.9	1893.9	1898.5	1901.6
5°	1794.1	1787.9	1777.2	1774.1	1771.0	1775.6	1772.6	1777.2	1778.7	1789.5	1791.0
7.5°	1685.0	1675.8	1666.6	1657.4	1654.3	1646.6	1654.3	1654.3	1665.0	1662.0	1669.7
10°	1556.0	1554.5	1542.2	1537.6	1531.4	1519.1	1536.0	1531.4	1539.1	1552.9	1556.0
12.5°	1460.8	1443.9	1451.5	1430.0	1437.7	1425.4	1427.0	1427.0	1439.3	1440.8	1437.7
15°	1370.1	1356.3	1336.3	1327.1	1322.5	1316.4	1336.3	1337.9	1328.7	1350.2	1342.5
17.5°	1278.0	1278.0	1259.5	1254.9	1242.6	1248.8	1245.7	1247.2	1244.2	1259.5	1267.2
20°	1198.1	1190.4	1184.3	1185.8	1170.4	1167.4	1164.3	1167.4	1178.1	1188.9	1192.0
22.5°	1133.6	1129.0	1113.6	1116.7	1104.4	1109.0	1105.9	1113.6	1115.2	1115.2	1125.9
25°	1072.1	1066.0	1067.5	1061.4	1056.8	1056.8	1052.2	1056.8	1062.9	1066.0	1067.5
27.5°	1026.1	1021.5	1013.8	1009.2	1012.2	1004.6	1010.7	1015.3	1015.3	1012.2	1015.3
30°	970.8	973.8	973.8	958.5	964.6	961.5	966.2	969.2	969.2	970.8	967.7
32.5°	933.9	924.7	923.1	921.6	921.6	915.5	915.5	920.1	921.6	923.1	927.8
35°	884.7	884.7	877.1	881.7	875.5	877.1	875.5	877.1	880.1	875.5	880.1
37.5°	840.2	841.7	838.7	841.7	843.3	840.2	837.1	843.3	840.2	840.2	837.1
40°	801.8	800.3	801.8	801.8	801.8	803.3	800.3	800.3	800.3	797.2	794.1
42.5°	769.5	760.3	763.4	764.9	760.3	760.3	761.9	760.3	764.9	755.7	755.7
45°	723.5	720.4	721.9	721.9	725.0	720.4	723.5	725.0	720.4	718.9	715.8
47.5°	682.0	685.1	682.0	685.1	685.1	688.1	682.0	683.5	685.1	678.9	674.3
50°	640.5	640.5	645.1	643.6	645.1	642.1	642.1	640.5	642.1	639.0	634.4
52.5°	602.1	597.5	605.2	603.7	602.1	600.6	599.0	600.6	597.5	594.4	594.4
55°	554.5	554.5	559.1	560.6	560.6	557.6	554.5	556.0	554.5	553.0	551.4
57.5°	516.1	510.0	513.0	514.6	514.6	510.0	513.0	510.0	510.0	511.5	506.9
60°	467.0	467.0	463.9	468.5	468.5	465.4	465.4	467.0	463.9	462.3	460.8
62.5°	414.7	416.3	420.9	422.4	423.9	420.9	417.8	419.3	419.3	414.7	416.3
65°	370.2	373.3	379.4	377.9	374.8	376.3	373.3	374.8	370.2	371.7	367.1
67.5°	327.2	325.6	327.2	327.2	330.2	328.7	325.6	325.6	324.1	328.7	324.1
70°	281.1	281.1	281.1	281.1	282.6	284.2	281.1	278.0	279.6	276.5	274.9
72.5°	233.5	235.0	233.5	236.5	231.9	235.0	235.0	233.5	231.9	231.9	231.9
75°	188.9	192.0	187.4	188.9	187.4	190.5	188.9	188.9	185.9	184.3	185.9
77.5°	144.4	145.9	142.9	144.4	142.9	144.4	144.4	142.9	142.9	142.9	142.9
80°	102.9	104.4	102.9	101.4	99.8	102.9	99.8	101.4	102.9	101.4	104.4
82.5°	66.0	66.0	64.5	66.0	63.0	63.0	64.5	64.5	63.0	66.0	63.0
85°	32.3	32.3	35.3	32.3	30.7	30.7	30.7	32.3	30.7	33.8	32.3
87.5°	7.7	6.1	7.7	7.7	6.1	6.1	7.7	6.1	7.7	9.2	6.1
90°	26.6	26.8	27.3	27.8	28.2	28.7	28.2	27.8	27.3	26.8	26.6
92.5°	27.6	27.7	28.0	28.2	28.5	28.7	28.5	28.2	28.0	27.7	27.6
95°	46.7	46.6	46.4	46.1	45.9	45.7	45.9	46.1	46.4	46.6	46.7
97.5°	57.4	57.5	57.7	58.0	58.2	58.4	58.2	58.0	57.7	57.5	57.4
100°	69.1	69.3	69.8	70.3	70.7	71.2	70.7	70.3	69.8	69.3	69.1
102.5°	74.4	74.8	75.5	76.2	76.9	77.6	76.9	76.2	75.5	74.8	74.4
105°	76.5	77.0	77.9	78.8	79.8	80.7	79.8	78.8	77.9	77.0	76.5
107.5°	78.6	79.1	80.0	81.0	81.9	82.9	81.9	81.0	80.0	79.1	78.6
110°	79.7	80.2	81.1	82.0	83.0	83.9	83.0	82.0	81.1	80.2	79.7

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.8	82.2	82.9	83.6	84.3	85.0	84.3	83.6	82.9	82.2	81.8
115°	163.6	155.1	138.1	121.1	104.1	87.1	104.1	121.1	138.1	155.1	163.6
117.5°	561.0	530.1	468.2	406.3	344.5	282.6	344.5	406.3	468.2	530.1	561.0
120°	791.5	775.6	743.7	711.8	680.0	648.1	680.0	711.8	743.7	775.6	791.5
122.5°	847.8	847.9	848.2	848.4	848.7	848.9	848.7	848.4	848.2	847.9	847.8
125°	905.2	905.6	906.3	907.0	907.7	908.4	907.7	907.0	906.3	905.6	905.2
127.5°	960.4	960.5	960.8	961.0	961.3	961.5	961.3	961.0	960.8	960.5	960.4
130°	1011.4	1011.3	1011.1	1010.8	1010.6	1010.4	1010.6	1010.8	1011.1	1011.3	1011.4
132.5°	1059.2	1059.1	1058.9	1058.6	1058.4	1058.2	1058.4	1058.6	1058.9	1059.1	1059.2
135°	1106.0	1105.8	1105.3	1104.8	1104.3	1103.8	1104.3	1104.8	1105.3	1105.8	1106.0
137.5°	1149.5	1149.1	1148.4	1147.7	1147.0	1146.3	1147.0	1147.7	1148.4	1149.1	1149.5
140°	1191.0	1190.4	1189.2	1188.1	1186.9	1185.7	1186.9	1188.1	1189.2	1190.4	1191.0
142.5°	1229.2	1228.6	1227.4	1226.3	1225.1	1223.9	1225.1	1226.3	1227.4	1228.6	1229.2
145°	1264.3	1263.7	1262.5	1261.4	1260.2	1259.0	1260.2	1261.4	1262.5	1263.7	1264.3
147.5°	1295.1	1294.6	1293.7	1292.7	1291.8	1290.8	1291.8	1292.7	1293.7	1294.6	1295.1
150°	1324.8	1324.2	1323.0	1321.9	1320.7	1319.5	1320.7	1321.9	1323.0	1324.2	1324.8
152.5°	1351.4	1350.6	1348.9	1347.3	1345.6	1344.0	1345.6	1347.3	1348.9	1350.6	1351.4
155°	1374.8	1373.9	1372.0	1370.1	1368.2	1366.3	1368.2	1370.1	1372.0	1373.9	1374.8
157.5°	1396.0	1395.1	1393.2	1391.3	1389.4	1387.5	1389.4	1391.3	1393.2	1395.1	1396.0
160°	1413.0	1412.2	1410.5	1408.9	1407.2	1405.6	1407.2	1408.9	1410.5	1412.2	1413.0
162.5°	1430.0	1428.9	1426.8	1424.7	1422.5	1420.4	1422.5	1424.7	1426.8	1428.9	1430.0
165°	1442.8	1442.0	1440.3	1438.6	1437.0	1435.3	1437.0	1438.6	1440.3	1442.0	1442.8
167.5°	1454.4	1453.3	1451.2	1449.1	1447.0	1444.9	1447.0	1449.1	1451.2	1453.3	1454.4
170°	1462.9	1461.8	1459.7	1457.6	1455.5	1453.4	1455.5	1457.6	1459.7	1461.8	1462.9
172.5°	1469.3	1468.2	1466.1	1464.0	1461.9	1459.8	1461.9	1464.0	1466.1	1468.2	1469.3
175°	1473.6	1472.4	1470.0	1467.7	1465.3	1462.9	1465.3	1467.7	1470.0	1472.4	1473.6
177.5°	1474.6	1473.5	1471.4	1469.3	1467.2	1465.1	1467.2	1469.3	1471.4	1473.5	1474.6
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4	1998.4
2.5°	1897.0	1909.3	1904.7	1887.8	1907.7	1907.7	1921.6	1921.6	1938.5	1944.6	1953.8
5°	1789.5	1798.7	1806.4	1798.7	1812.5	1834.0	1846.3	1857.1	1880.1	1889.3	1903.1
7.5°	1674.3	1691.2	1698.8	1698.8	1721.9	1746.5	1771.0	1786.4	1818.6	1830.9	1844.8
10°	1562.1	1582.1	1597.5	1595.9	1634.3	1649.7	1680.4	1715.7	1748.0	1766.4	1786.4
12.5°	1443.9	1454.6	1476.1	1506.8	1516.1	1543.7	1579.0	1623.6	1681.9	1698.8	1728.0
15°	1345.6	1374.7	1391.6	1405.5	1427.0	1453.1	1491.5	1534.5	1592.9	1629.7	1660.4
17.5°	1262.6	1301.0	1311.8	1308.7	1336.3	1376.3	1420.8	1453.1	1505.3	1549.8	1579.0
20°	1195.0	1210.4	1228.8	1236.5	1258.0	1301.0	1344.0	1380.9	1423.9	1459.2	1493.0
22.5°	1127.4	1139.7	1155.1	1168.9	1185.8	1210.4	1251.9	1297.9	1339.4	1373.2	1411.6
25°	1072.1	1079.8	1093.6	1104.4	1122.8	1139.7	1168.9	1219.6	1268.8	1288.7	1322.5
27.5°	1018.4	1024.5	1033.7	1046.0	1055.2	1072.1	1098.3	1139.7	1190.4	1210.4	1256.5
30°	970.8	975.4	984.6	990.7	995.3	1015.3	1035.3	1067.5	1105.9	1133.6	1167.4
32.5°	926.2	930.8	940.0	941.6	947.7	958.5	976.9	1006.1	1039.9	1062.9	1092.1
35°	877.1	880.1	889.4	892.4	897.0	906.3	920.1	941.6	972.3	989.2	1015.3
37.5°	838.7	837.1	843.3	847.9	854.0	858.6	863.2	884.7	907.8	923.1	943.1
40°	797.2	794.1	795.7	801.8	804.9	811.0	811.0	832.5	847.9	860.2	875.5
42.5°	755.7	754.2	751.1	754.2	757.3	758.8	760.3	775.7	791.1	801.8	818.7
45°	714.3	712.7	709.6	711.2	711.2	714.3	718.9	725.0	735.8	745.0	754.2
47.5°	675.8	672.8	668.2	666.6	669.7	669.7	669.7	675.8	686.6	689.7	698.9
50°	635.9	631.3	625.2	622.1	622.1	620.6	623.6	625.2	634.4	637.4	645.1
52.5°	592.9	589.8	583.7	577.5	579.1	576.0	577.5	579.1	582.2	586.8	591.4
55°	549.9	543.8	539.1	537.6	533.0	533.0	528.4	534.5	533.0	534.5	540.7
57.5°	508.4	502.3	494.6	491.5	486.9	485.4	482.3	480.8	482.3	486.9	491.5
60°	459.3	456.2	451.6	447.0	443.9	439.3	436.2	436.2	434.7	434.7	436.2
62.5°	411.7	410.1	404.0	402.4	399.4	396.3	391.7	388.6	388.6	391.7	393.2
65°	365.6	364.0	359.4	357.9	350.2	347.1	345.6	344.1	341.0	341.0	341.0
67.5°	322.6	318.0	318.0	310.3	304.1	301.1	298.0	296.5	296.5	296.5	298.0
70°	274.9	274.9	270.3	265.7	259.6	261.1	256.5	251.9	251.9	248.8	250.4
72.5°	228.9	227.3	222.7	221.2	216.6	212.0	208.9	212.0	207.4	205.8	207.4
75°	184.3	182.8	179.7	176.6	178.2	173.6	169.0	167.4	167.4	164.4	164.4
77.5°	141.3	144.4	138.2	136.7	133.6	130.6	129.0	127.5	127.5	127.5	130.6
80°	98.3	99.8	99.8	96.8	98.3	93.7	93.7	93.7	89.1	90.6	92.2
82.5°	63.0	63.0	61.4	63.0	61.4	61.4	59.9	59.9	58.4	58.4	59.9
85°	35.3	33.8	32.3	35.3	33.8	33.8	32.3	32.3	32.3	32.3	32.3
87.5°	7.7	9.2	9.2	9.2	9.2	10.8	10.8	10.8	12.3	12.3	12.3
90°	26.0	24.8	23.6	22.4	21.2	19.3	17.4	15.5	13.6	12.7	11.4
92.5°	27.4	26.9	26.4	26.0	25.5	24.8	24.1	23.4	22.7	22.3	22.8
95°	46.1	44.9	43.8	42.6	41.4	39.8	38.1	36.5	34.8	34.0	37.9
97.5°	57.0	56.3	55.6	54.9	54.2	50.4	46.6	42.9	39.1	37.2	46.9
100°	68.2	66.3	64.4	62.5	60.6	56.6	52.6	48.5	44.5	42.5	58.7
102.5°	73.1	70.5	67.9	65.3	62.7	105.7	148.6	191.6	234.5	256.0	256.2
105°	75.2	72.6	70.0	67.4	64.8	129.2	193.7	258.1	322.6	354.8	351.3
107.5°	77.3	74.7	72.1	69.5	66.9	146.5	226.1	305.6	385.2	425.0	422.0
110°	91.5	115.1	138.7	162.3	185.9	254.1	322.4	390.6	458.9	493.0	490.5

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	132.7	234.4	336.2	437.9	539.7	543.7	547.7	551.8	555.8	557.8	555.7
115°	218.3	327.6	436.9	546.2	655.5	649.6	643.7	637.8	631.9	628.9	626.9
117.5°	577.9	611.6	645.4	679.1	712.9	708.9	704.9	700.8	696.8	694.8	692.4
120°	790.1	787.3	784.4	781.6	778.8	774.5	770.3	766.0	761.7	759.6	757.8
122.5°	847.1	845.7	844.2	842.8	841.4	836.7	832.0	827.3	822.6	820.2	818.3
125°	904.4	902.7	901.0	899.4	897.7	893.2	888.8	884.3	879.8	877.6	876.1
127.5°	959.2	956.9	954.5	952.2	949.8	946.3	942.7	939.2	935.7	933.9	932.2
130°	1010.1	1007.5	1004.9	1002.3	999.7	997.1	994.5	991.9	989.3	988.0	986.1
132.5°	1058.1	1056.0	1053.9	1051.8	1049.7	1047.1	1044.5	1041.9	1039.3	1038.0	1036.5
135°	1104.8	1102.4	1100.1	1097.7	1095.3	1093.2	1091.1	1089.0	1086.9	1085.8	1083.9
137.5°	1148.3	1146.0	1143.6	1141.3	1138.9	1136.5	1134.2	1131.8	1129.5	1128.3	1126.9
140°	1189.9	1187.8	1185.7	1183.5	1181.4	1178.8	1176.2	1173.6	1171.0	1169.7	1168.8
142.5°	1228.3	1226.4	1224.5	1222.6	1220.7	1217.6	1214.6	1211.5	1208.4	1206.9	1206.1
145°	1263.5	1261.8	1260.1	1258.5	1256.8	1252.8	1248.8	1244.8	1240.8	1238.8	1238.9
147.5°	1294.5	1293.3	1292.2	1291.0	1289.8	1285.8	1281.8	1277.7	1273.7	1271.7	1272.1
150°	1324.1	1322.7	1321.3	1319.9	1318.5	1314.7	1310.9	1307.2	1303.4	1301.5	1302.3
152.5°	1350.7	1349.3	1347.8	1346.4	1345.0	1341.5	1337.9	1334.4	1330.9	1329.1	1330.0
155°	1374.1	1372.7	1371.2	1369.8	1368.4	1365.6	1362.7	1359.9	1357.0	1355.6	1356.7
157.5°	1395.2	1393.5	1391.9	1390.2	1388.6	1386.5	1384.3	1382.2	1380.1	1379.0	1379.9
160°	1412.3	1410.9	1409.4	1408.0	1406.6	1405.2	1403.8	1402.4	1401.0	1400.3	1401.0
162.5°	1429.2	1427.5	1425.9	1424.2	1422.6	1421.4	1420.2	1419.1	1417.9	1417.3	1418.0
165°	1442.0	1440.3	1438.6	1437.0	1435.3	1434.6	1433.9	1433.2	1432.5	1432.1	1432.8
167.5°	1453.6	1451.9	1450.3	1448.6	1447.0	1446.3	1445.6	1444.9	1444.2	1443.8	1444.5
170°	1462.1	1460.4	1458.8	1457.1	1455.5	1455.0	1454.6	1454.1	1453.6	1453.4	1454.1
172.5°	1468.5	1466.8	1465.2	1463.5	1461.9	1461.4	1461.0	1460.5	1460.0	1459.8	1460.5
175°	1472.8	1471.1	1469.4	1467.8	1466.1	1465.6	1465.2	1464.7	1464.2	1464.0	1464.8
177.5°	1473.8	1472.1	1470.5	1468.8	1467.2	1467.0	1466.7	1466.5	1466.2	1466.1	1466.9
180°	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1998.4	1998.4	1998.4	1998.4
2.5°	1961.5	1961.5	1984.5	2009.1
5°	1918.5	1929.2	1966.1	1999.9
7.5°	1877.0	1895.5	1941.5	1984.5
10°	1826.3	1850.9	1907.7	1958.4
12.5°	1777.2	1800.2	1866.3	1923.1
15°	1708.1	1737.2	1807.9	1878.6
17.5°	1638.9	1668.1	1754.1	1837.1
20°	1557.5	1595.9	1692.7	1803.3
22.5°	1482.3	1529.9	1637.4	1726.5
25°	1399.3	1473.0	1572.9	1688.1
27.5°	1325.6	1399.3	1500.7	1617.4
30°	1242.6	1317.9	1422.4	1529.9
32.5°	1162.8	1231.9	1333.3	1465.4
35°	1079.8	1145.9	1244.2	1377.8
37.5°	1004.6	1069.1	1176.6	1299.5
40°	930.8	998.4	1090.6	1213.5
42.5°	861.7	921.6	1004.6	1127.4
45°	798.7	841.7	918.5	1033.7
47.5°	732.7	771.1	841.7	956.9
50°	671.2	703.5	764.9	872.5
52.5°	611.3	639.0	695.8	781.8
55°	557.6	583.7	625.2	709.6
57.5°	502.3	522.2	562.2	629.8
60°	448.5	467.0	499.2	554.5
62.5°	394.8	410.1	440.8	485.4
65°	347.1	359.4	382.5	420.9
67.5°	301.1	308.7	327.2	357.9
70°	256.5	262.7	278.0	302.6
72.5°	208.9	215.0	231.9	248.8
75°	169.0	170.5	182.8	196.6
77.5°	132.1	130.6	139.8	150.5
80°	90.6	95.2	102.9	107.5
82.5°	61.4	63.0	66.0	69.1
85°	33.8	35.3	35.3	39.9
87.5°	13.8	15.4	15.4	16.9
90°	8.8	6.3	3.7	1.1
92.5°	23.7	24.7	25.6	26.6
95°	45.7	53.5	61.3	69.1
97.5°	66.2	85.6	104.9	124.3
100°	91.0	123.3	155.7	188.0
102.5°	256.7	257.2	257.7	258.2
105°	344.2	337.1	330.1	323.0
107.5°	416.1	410.2	404.3	398.4
110°	485.5	480.6	475.6	470.6

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	551.4	547.1	542.9	538.6
115°	622.9	618.9	614.9	610.9
117.5°	687.7	683.0	678.3	673.6
120°	754.3	750.8	747.2	743.7
122.5°	814.5	810.8	807.0	803.2
125°	873.0	869.9	866.8	863.7
127.5°	928.9	925.6	922.3	919.0
130°	982.3	978.6	974.8	971.0
132.5°	1033.4	1030.3	1027.3	1024.2
135°	1080.1	1076.4	1072.6	1068.8
137.5°	1124.0	1121.2	1118.3	1115.5
140°	1166.9	1165.0	1163.1	1161.2
142.5°	1204.4	1202.8	1201.1	1199.5
145°	1239.1	1239.4	1239.6	1239.8
147.5°	1272.8	1273.5	1274.2	1274.9
150°	1304.0	1305.6	1307.3	1308.9
152.5°	1331.9	1333.8	1335.7	1337.6
155°	1358.8	1360.9	1363.1	1365.2
157.5°	1381.8	1383.7	1385.6	1387.5
160°	1402.4	1403.8	1405.2	1406.6
162.5°	1419.4	1420.8	1422.2	1423.6
165°	1434.2	1435.7	1437.1	1438.5
167.5°	1445.9	1447.4	1448.8	1450.2
170°	1455.5	1457.0	1458.4	1459.8
172.5°	1461.9	1463.3	1464.7	1466.1
175°	1466.5	1468.1	1469.8	1471.4
177.5°	1468.6	1470.3	1471.9	1473.6
180°	1468.3	1468.3	1468.3	1468.3

TEST NUMBER: P997794

CATALOG NUMBER: SA2XXDIP-B1005D1080UB2750-4F0-XX-W2A-A_3000K

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	17.90	18.74	18.86	19.70	20.97	15.40	16.23	16.35	17.20	18.46
	3H	18.71	19.46	19.68	20.44	21.72	16.74	17.48	17.71	18.46	19.75
	4H	18.88	19.58	19.86	20.57	21.86	17.20	17.90	18.18	18.89	20.18
	6H	18.92	19.57	19.92	20.56	21.87	17.51	18.15	18.50	19.14	20.45
	8H	18.90	19.52	19.90	20.52	21.83	17.59	18.21	18.59	19.21	20.51
	12H	18.86	19.45	19.87	20.45	21.78	17.63	18.22	18.64	19.21	20.54
4H	2H	17.94	18.65	18.93	19.63	20.92	15.84	16.54	16.83	17.53	18.82
	3H	18.92	19.50	19.92	20.52	21.83	17.30	17.88	18.30	18.89	20.20
	4H	19.19	19.73	20.20	20.73	22.07	17.83	18.37	18.84	19.37	20.70
	6H	19.32	19.78	20.34	20.81	22.14	18.21	18.67	19.23	19.70	21.03
	8H	19.32	19.75	20.34	20.77	22.12	18.32	18.75	19.34	19.77	21.11
	12H	19.28	19.67	20.32	20.71	22.06	18.37	18.76	19.41	19.80	21.15
8H	4H	19.20	19.63	20.22	20.65	22.00	17.97	18.40	18.99	19.42	20.77
	6H	19.38	19.73	20.42	20.80	22.14	18.40	18.76	19.45	19.82	21.16
	8H	19.41	19.72	20.46	20.77	22.13	18.55	18.87	19.61	19.91	21.28
	12H	19.39	19.67	20.45	20.71	22.11	18.65	18.92	19.70	19.96	21.37
12H	4H	19.16	19.54	20.19	20.58	21.93	17.94	18.33	18.98	19.37	20.72
	6H	19.36	19.67	20.41	20.72	22.08	18.40	18.72	19.46	19.76	21.13
	8H	19.39	19.66	20.44	20.71	22.11	18.56	18.83	19.61	19.88	21.28