

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: P997784

Luminaire Tested: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

Issue Date: 5/6/2025

Test Information

Test Method: LM-79-2019
Report Number: P997784
REPORT IS A COMBINATION OF REPORTS P983518 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/6/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A
Description: Define 2 Direct/Indirect Pendant with 2700K BioUP LEDs {m-DER=0.473} {m-EER=0.52}
Light Source: -
Ballast/Driver: -

Summary

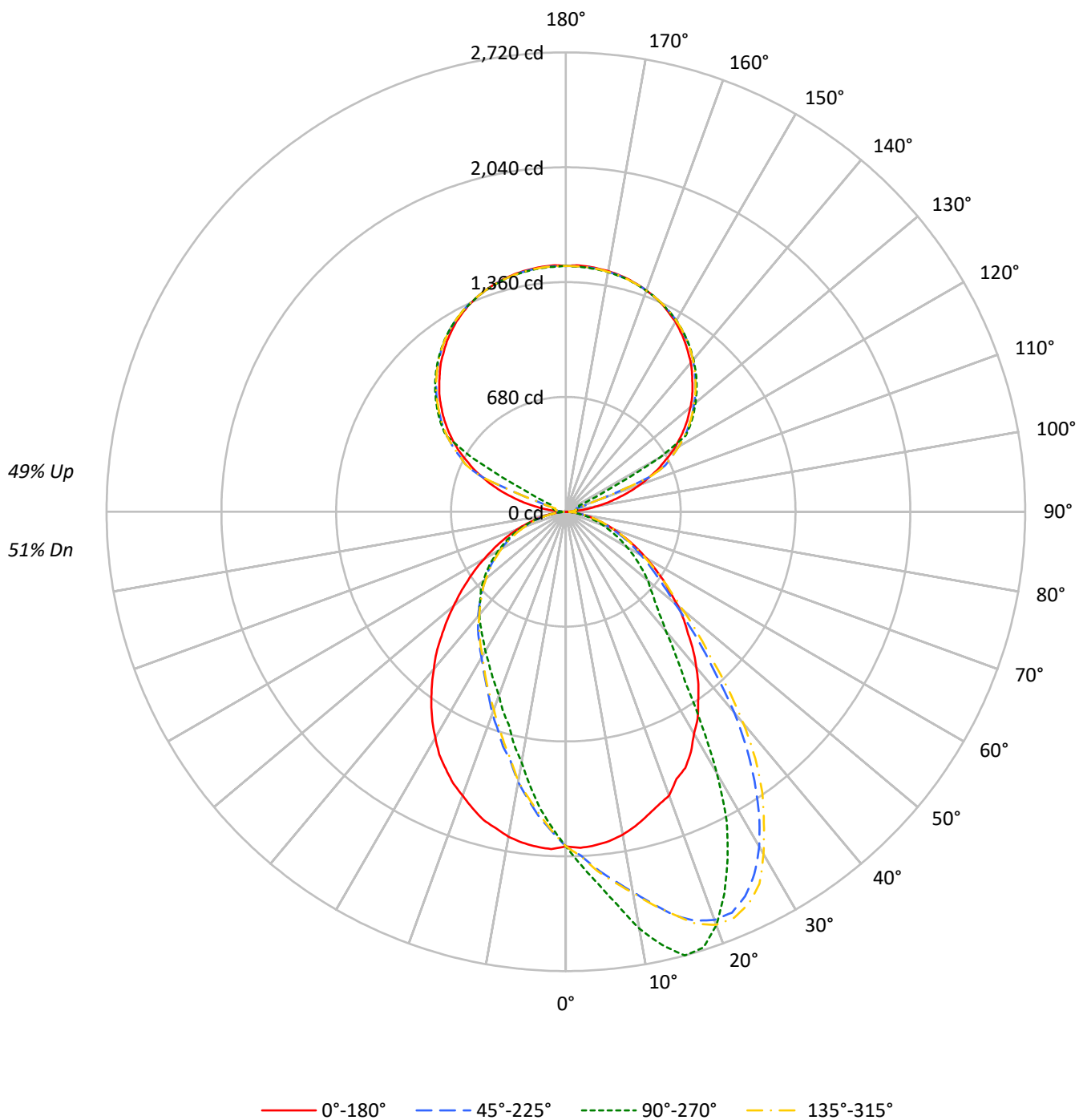
Lumens per Lamp: N/A
Luminaire Lumens: 8641.0 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 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: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

Luminous Intensity Polar Plot



TEST NUMBER: P997784

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	31359	31359	31359	31359
5°	31436	33437	31556	26602
10°	31070	36502	31265	21932
15°	30317	38501	30739	18474
20°	29843	36150	29843	16057
25°	28892	31057	29025	14360
30°	27328	24414	27849	13007
35°	25941	16882	26375	11901
40°	24348	12746	24625	11018
45°	22382	10474	22749	10067
50°	20683	9193	20721	9215
55°	18746	7833	18868	8291
60°	16680	6542	16911	7235
65°	14831	5321	15105	6179
70°	12992	4175	13321	4983
75°	10903	3032	11328	3614
80°	8511	1922	9117	2144
85°	5594	966	6018	717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32417 cd/sqm

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	2.2
10°-20°	549.2	6.4
20°-30°	797.1	9.2
30°-40°	840.3	9.7
40°-50°	743.6	8.6
50°-60°	593.7	6.9
60°-70°	403.3	4.7
70°-80°	206.3	2.4
80°-90°	51.3	0.6
90°-100°	48.0	0.6
100°-110°	178.9	2.1
110°-120°	474.6	5.5
120°-130°	787.1	9.1
130°-140°	836.1	9.7
140°-150°	777.0	9.0
150°-160°	624.7	7.2
160°-170°	402.5	4.7
170°-180°	138.5	1.6
0°-30°	1535.0	17.8
0°-40°	2375.3	27.5
0°-60°	3712.6	43.0
0°-90°	4373.6	50.6
90°-120°	701.5	8.1
90°-150°	3101.6	35.9
90°-180°	4267.0	49.4
0°-180°	8641.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1981	1981	1981	1981	1981	
5°	1983	2213	1990	1760	1983	188
15°	1862	2720	1888	1305	1862	526
25°	1674	2266	1681	1048	1674	765
35°	1366	1234	1389	870	1366	855
45°	1025	743	1042	714	1025	795
55°	704	522	708	553	704	628
65°	417	321	425	373	417	415
75°	195	158	202	189	195	209
85°	40	41	43	30	40	46
90°	1	28	1	28	1	6
95°	68	45	68	45	68	81
105°	320	80	320	80	320	342
115°	606	86	606	86	606	596
125°	856	901	856	901	856	764
135°	1060	1094	1060	1094	1060	819
145°	1229	1248	1229	1248	1229	769
155°	1354	1354	1354	1354	1354	624
165°	1426	1423	1426	1423	1426	403
175°	1459	1450	1459	1450	1459	139
180°	1456	1456	1456	1456	1456	

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1991.8	1996.4	2004.0	2005.5	2020.7	2032.9	2046.6	2046.6	2051.2	2049.7	2037.5
5°	1982.7	1996.4	2016.2	2032.9	2060.3	2072.5	2090.8	2104.5	2116.7	2125.8	2124.3
7.5°	1967.4	1991.8	2020.7	2052.7	2089.3	2110.6	2136.5	2160.8	2177.6	2192.8	2203.5
10°	1941.5	1982.7	2022.3	2064.9	2112.1	2141.0	2171.5	2203.5	2229.4	2258.3	2285.7
12.5°	1906.5	1965.9	2014.6	2071.0	2128.9	2160.8	2209.6	2233.9	2284.2	2357.3	2377.1
15°	1862.4	1943.1	1988.8	2060.3	2136.5	2162.4	2229.4	2268.9	2372.5	2418.2	2473.0
17.5°	1821.2	1911.1	1972.0	2054.2	2128.9	2179.1	2244.6	2325.3	2412.1	2477.6	2538.5
20°	1787.7	1874.5	1947.6	2039.0	2133.4	2197.4	2265.9	2363.4	2457.8	2524.8	2572.0
22.5°	1711.6	1822.8	1908.0	2010.1	2124.3	2212.6	2278.1	2384.7	2486.7	2527.8	2568.9
25°	1673.5	1769.5	1868.5	1984.2	2118.2	2223.3	2279.6	2398.4	2488.2	2503.5	2512.6
27.5°	1603.5	1711.6	1827.3	1959.8	2116.7	2205.0	2276.6	2384.7	2456.2	2445.6	2418.2
30°	1516.7	1649.2	1777.1	1920.2	2095.3	2191.3	2258.3	2357.3	2393.8	2339.0	2290.3
32.5°	1452.7	1577.6	1719.2	1885.2	2071.0	2162.4	2227.8	2305.5	2313.1	2214.1	2131.9
35°	1365.9	1504.5	1664.4	1839.5	2029.9	2112.1	2173.0	2220.2	2183.7	2045.1	1947.6
37.5°	1288.3	1425.3	1595.9	1774.0	1973.5	2054.2	2103.0	2110.6	2020.7	1898.9	1755.8
40°	1203.0	1344.6	1522.8	1710.1	1911.1	1981.1	2011.6	1988.8	1859.3	1717.7	1551.7
42.5°	1117.7	1257.8	1449.7	1641.6	1831.9	1891.3	1903.5	1841.0	1682.7	1516.7	1324.8
45°	1024.8	1171.0	1362.9	1556.3	1740.5	1774.0	1775.6	1685.7	1498.4	1324.8	1146.7
47.5°	948.7	1084.2	1274.6	1468.0	1623.3	1646.1	1637.0	1533.4	1329.4	1134.5	979.1
50°	864.9	994.4	1183.2	1373.6	1506.0	1512.1	1489.3	1341.6	1142.1	963.9	840.6
52.5°	775.1	906.1	1079.7	1262.4	1381.2	1372.0	1327.9	1169.5	982.2	834.5	740.1
55°	703.5	819.3	982.2	1160.4	1244.1	1218.2	1169.5	1008.1	860.4	735.5	653.3
57.5°	624.3	726.4	886.3	1041.6	1090.3	1065.9	1017.2	866.5	729.4	635.0	580.2
60°	549.7	642.6	782.7	912.1	950.2	924.3	868.0	732.5	633.5	554.3	513.2
62.5°	481.2	561.9	679.2	797.9	813.2	787.3	738.5	628.9	543.6	481.2	450.7
65°	417.2	493.4	587.8	677.6	691.3	663.9	613.7	534.5	462.9	423.3	394.4
67.5°	354.8	415.7	499.5	565.0	572.6	546.7	505.6	441.6	397.4	354.8	333.5
70°	300.0	345.7	411.2	464.4	467.5	443.1	421.8	363.9	330.4	300.0	283.2
72.5°	246.7	278.7	328.9	368.5	370.0	354.8	335.0	298.5	269.5	248.2	231.5
75°	194.9	222.3	252.8	287.8	286.3	274.1	258.9	236.0	211.7	198.0	190.3
77.5°	149.2	166.0	190.3	213.2	213.2	207.1	198.0	181.2	166.0	152.3	144.7
80°	106.6	117.3	137.1	144.7	147.7	146.2	138.6	126.4	120.3	109.6	106.6
82.5°	68.5	76.1	85.3	92.9	97.5	94.4	92.9	86.8	77.7	74.6	71.6
85°	39.6	42.6	47.2	51.8	53.3	51.8	54.8	50.3	45.7	45.7	44.2
87.5°	16.8	18.3	21.3	21.3	22.8	22.8	21.3	22.8	22.8	21.3	19.8
90°	1.1	3.7	6.2	8.8	11.3	12.6	13.5	15.4	17.3	19.2	21.1
92.5°	26.3	25.4	24.4	23.5	22.6	22.1	22.5	23.2	23.9	24.6	25.3
95°	68.5	60.8	53.0	45.3	37.6	33.7	34.5	36.2	37.8	39.5	41.1
97.5°	123.2	104.0	84.8	65.7	46.5	36.9	38.8	42.5	46.2	50.0	53.7
100°	186.4	154.3	122.3	90.2	58.1	42.1	44.1	48.1	52.0	56.0	60.0
102.5°	255.9	255.4	255.0	254.5	254.0	253.8	232.5	189.9	147.3	104.7	62.1
105°	320.2	327.2	334.2	341.3	348.3	351.8	319.9	256.0	192.1	128.2	64.3
107.5°	395.0	400.8	406.7	412.5	418.4	421.3	381.9	303.0	224.1	145.3	66.4
110°	466.6	471.5	476.4	481.3	486.2	488.7	454.9	387.2	319.6	251.9	184.3

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	534.0	538.2	542.4	546.7	550.9	553.0	551.0	547.0	543.1	539.1	535.1
115°	605.6	609.6	613.6	617.5	621.5	623.5	626.4	632.3	638.2	644.0	649.9
117.5°	667.8	672.5	677.2	681.9	686.6	688.9	690.9	694.9	698.8	702.8	706.8
120°	737.3	740.8	744.3	747.8	751.3	753.1	755.2	759.4	763.7	767.9	772.1
122.5°	796.3	800.0	803.8	807.5	811.2	813.1	815.4	820.1	824.8	829.5	834.2
125°	856.3	859.3	862.4	865.4	868.5	870.0	872.2	876.7	881.1	885.6	890.0
127.5°	911.1	914.4	917.6	920.9	924.2	925.8	927.6	931.1	934.6	938.1	941.6
130°	962.7	966.5	970.2	974.0	977.7	979.6	980.9	983.4	986.0	988.5	991.1
132.5°	1015.4	1018.4	1021.5	1024.5	1027.6	1029.1	1030.4	1032.9	1035.5	1038.0	1040.6
135°	1059.6	1063.4	1067.1	1070.9	1074.6	1076.5	1077.5	1079.6	1081.7	1083.8	1085.9
137.5°	1106.0	1108.8	1111.6	1114.4	1117.2	1118.6	1119.8	1122.1	1124.4	1126.8	1129.1
140°	1151.2	1153.1	1155.0	1156.9	1158.8	1159.7	1161.0	1163.6	1166.1	1168.7	1171.3
142.5°	1189.2	1190.8	1192.4	1194.1	1195.7	1196.5	1198.0	1201.1	1204.1	1207.2	1210.2
145°	1229.2	1229.0	1228.7	1228.5	1228.2	1228.1	1230.1	1234.1	1238.0	1242.0	1246.0
147.5°	1263.9	1263.2	1262.5	1261.8	1261.1	1260.8	1262.8	1266.8	1270.7	1274.7	1278.7
150°	1297.7	1296.1	1294.4	1292.8	1291.1	1290.3	1292.2	1295.9	1299.6	1303.4	1307.1
152.5°	1326.1	1324.2	1322.4	1320.5	1318.6	1317.7	1319.5	1323.0	1326.5	1330.0	1333.5
155°	1353.5	1351.4	1349.3	1347.2	1345.1	1344.0	1345.4	1348.2	1351.0	1353.8	1356.6
157.5°	1375.6	1373.7	1371.9	1370.0	1368.1	1367.2	1368.2	1370.3	1372.4	1374.5	1376.6
160°	1394.6	1393.2	1391.8	1390.3	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6
162.5°	1411.4	1410.0	1408.6	1407.2	1405.8	1405.1	1405.7	1406.9	1408.0	1409.2	1410.4
165°	1426.2	1424.8	1423.4	1421.9	1420.5	1419.8	1420.2	1420.9	1421.6	1422.3	1423.0
167.5°	1437.7	1436.3	1434.9	1433.5	1432.1	1431.4	1431.8	1432.5	1433.2	1433.9	1434.6
170°	1447.2	1445.8	1444.4	1443.0	1441.6	1440.9	1441.1	1441.6	1442.1	1442.5	1443.0
172.5°	1453.5	1452.1	1450.7	1449.3	1447.9	1447.2	1447.4	1447.9	1448.4	1448.8	1449.3
175°	1458.8	1457.2	1455.5	1453.9	1452.2	1451.4	1451.6	1452.1	1452.6	1453.0	1453.5
177.5°	1460.9	1459.3	1457.6	1456.0	1454.3	1453.5	1453.6	1453.9	1454.1	1454.4	1454.6
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2058.8	2060.3	2063.4	2078.6	2086.2	2087.7	2081.6	2095.3	2099.9	2095.3	2092.3
5°	2156.3	2165.4	2183.7	2203.5	2201.9	2203.5	2212.6	2221.7	2224.8	2212.6	2217.2
7.5°	2241.5	2259.8	2279.6	2310.1	2310.1	2325.3	2331.4	2339.0	2357.3	2348.1	2345.1
10°	2339.0	2363.4	2399.9	2448.6	2450.2	2465.4	2480.6	2505.0	2512.6	2506.5	2509.5
12.5°	2460.8	2508.0	2511.1	2564.4	2588.7	2591.8	2616.1	2611.6	2626.8	2626.8	2652.7
15°	2514.1	2587.2	2628.3	2680.1	2695.3	2677.1	2696.8	2718.2	2719.7	2719.7	2718.2
17.5°	2610.1	2639.0	2680.1	2707.5	2713.6	2713.6	2715.1	2724.3	2718.2	2706.0	2715.1
20°	2629.8	2642.0	2657.3	2654.2	2657.3	2642.0	2626.8	2611.6	2613.1	2605.5	2628.3
22.5°	2593.3	2590.3	2555.2	2532.4	2532.4	2501.9	2473.0	2459.3	2445.6	2450.2	2457.8
25°	2501.9	2454.7	2412.1	2378.6	2371.0	2322.2	2282.7	2270.5	2247.6	2265.9	2268.9
27.5°	2355.7	2302.4	2233.9	2205.0	2165.4	2145.6	2118.2	2081.6	2034.4	2061.8	2057.3
30°	2198.9	2119.7	2063.4	1993.3	1930.9	1926.3	1874.5	1813.6	1789.3	1789.3	1803.0
32.5°	2023.8	1918.7	1836.5	1737.5	1676.6	1650.7	1588.3	1527.4	1541.1	1495.4	1512.1
35°	1819.7	1681.2	1577.6	1481.7	1436.0	1405.5	1324.8	1291.3	1254.8	1233.5	1273.0
37.5°	1624.8	1464.9	1332.4	1227.4	1210.6	1155.8	1101.0	1079.7	1058.3	1067.5	1065.9
40°	1387.3	1245.6	1126.9	1044.6	1015.7	989.8	953.3	927.4	913.7	921.3	922.8
42.5°	1172.5	1053.8	965.4	907.6	883.2	864.9	846.7	825.3	820.8	820.8	826.9
45°	1006.6	909.1	849.7	802.5	788.8	775.1	761.4	752.3	749.2	743.1	747.7
47.5°	874.1	796.4	759.9	724.8	709.6	706.6	694.4	689.8	683.7	682.2	683.7
50°	762.9	714.2	680.7	660.9	650.2	645.7	639.6	630.4	627.4	635.0	632.0
52.5°	685.3	639.6	621.3	601.5	595.4	589.3	580.2	581.7	580.2	577.1	577.1
55°	607.6	578.7	560.4	545.2	543.6	537.5	529.9	526.9	525.4	522.3	526.9
57.5°	545.2	522.3	505.6	491.9	485.8	485.8	478.2	472.1	472.1	470.5	472.1
60°	482.7	459.9	449.2	435.5	430.9	429.4	424.9	421.8	417.2	417.2	417.2
62.5°	424.9	406.6	394.4	382.2	383.7	376.1	370.0	367.0	367.0	368.5	368.5
65°	370.0	357.9	342.6	332.0	328.9	327.4	324.4	322.8	318.3	321.3	321.3
67.5°	319.8	303.0	293.9	289.3	284.8	283.2	280.2	277.1	275.6	274.1	277.1
70°	269.5	255.8	248.2	245.2	240.6	239.1	237.6	233.0	234.5	236.0	237.6
72.5°	223.8	211.7	210.1	201.0	201.0	201.0	194.9	198.0	196.4	193.4	196.4
75°	176.6	170.6	167.5	162.9	164.5	162.9	161.4	156.8	156.8	158.4	159.9
77.5°	140.1	134.0	132.5	127.9	124.9	127.9	124.9	123.3	123.3	124.9	124.9
80°	103.5	100.5	95.9	95.9	95.9	94.4	94.4	94.4	92.9	91.4	92.9
82.5°	68.5	68.5	67.0	65.5	67.0	64.0	65.5	65.5	65.5	65.5	65.5
85°	44.2	42.6	42.6	41.1	41.1	41.1	42.6	39.6	39.6	41.1	41.1
87.5°	19.8	19.8	19.8	21.3	19.8	19.8	19.8	21.3	19.8	19.8	19.8
90°	22.3	23.4	24.6	25.7	26.3	26.5	27.0	27.5	27.9	28.4	27.9
92.5°	25.8	26.2	26.7	27.2	27.4	27.5	27.7	28.0	28.2	28.4	28.2
95°	42.3	43.4	44.6	45.7	46.3	46.2	46.0	45.7	45.5	45.3	45.5
97.5°	54.4	55.1	55.8	56.5	56.9	57.0	57.2	57.5	57.7	57.9	57.7
100°	61.9	63.8	65.7	67.6	68.5	68.7	69.2	69.7	70.1	70.6	70.1
102.5°	64.7	67.3	69.8	72.4	73.7	74.1	74.8	75.5	76.2	76.9	76.2
105°	66.9	69.4	72.0	74.5	75.8	76.3	77.2	78.1	79.1	80.0	79.1
107.5°	69.0	71.5	74.1	76.6	77.9	78.4	79.3	80.3	81.2	82.2	81.2
110°	160.9	137.5	114.1	90.7	79.0	79.5	80.4	81.3	82.3	83.2	82.3

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	434.2	333.3	232.4	131.5	81.1	81.5	82.2	82.9	83.6	84.3	83.6
115°	541.5	433.1	324.8	216.4	162.2	153.8	136.9	120.1	103.2	86.4	103.2
117.5°	673.3	639.8	606.3	572.8	556.1	525.4	464.1	402.8	341.5	280.2	341.5
120°	774.9	777.7	780.5	783.3	784.7	768.9	737.3	705.7	674.1	642.5	674.1
122.5°	835.6	837.0	838.4	839.8	840.5	840.6	840.9	841.1	841.4	841.6	841.4
125°	891.6	893.3	894.9	896.6	897.4	897.8	898.5	899.2	899.9	900.6	899.9
127.5°	944.0	946.3	948.7	951.0	952.2	952.3	952.5	952.8	953.0	953.2	953.0
130°	993.7	996.3	998.8	1001.4	1002.7	1002.6	1002.4	1002.1	1001.9	1001.7	1001.9
132.5°	1042.7	1044.8	1046.9	1049.0	1050.1	1050.0	1049.8	1049.5	1049.3	1049.1	1049.3
135°	1088.3	1090.6	1093.0	1095.3	1096.5	1096.3	1095.8	1095.3	1094.9	1094.4	1094.9
137.5°	1131.5	1133.8	1136.2	1138.5	1139.7	1139.3	1138.6	1137.9	1137.2	1136.5	1137.2
140°	1173.4	1175.5	1177.6	1179.7	1180.7	1180.1	1179.0	1177.8	1176.7	1175.5	1176.7
142.5°	1212.1	1214.0	1215.9	1217.8	1218.7	1218.1	1216.9	1215.8	1214.6	1213.4	1214.6
145°	1247.6	1249.3	1250.9	1252.6	1253.4	1252.8	1251.6	1250.5	1249.3	1248.1	1249.3
147.5°	1279.9	1281.1	1282.2	1283.4	1284.0	1283.5	1282.6	1281.6	1280.7	1279.7	1280.7
150°	1308.5	1309.9	1311.4	1312.8	1313.5	1312.9	1311.7	1310.6	1309.4	1308.2	1309.4
152.5°	1334.9	1336.3	1337.7	1339.1	1339.8	1339.0	1337.3	1335.7	1334.0	1332.4	1334.0
155°	1358.0	1359.4	1360.9	1362.3	1363.0	1362.1	1360.2	1358.3	1356.4	1354.5	1356.4
157.5°	1378.2	1379.9	1381.5	1383.2	1384.0	1383.1	1381.2	1379.3	1377.5	1375.6	1377.5
160°	1396.0	1397.4	1398.8	1400.2	1400.9	1400.1	1398.4	1396.8	1395.1	1393.5	1395.1
162.5°	1412.0	1413.6	1415.3	1416.9	1417.7	1416.6	1414.5	1412.4	1410.3	1408.2	1410.3
165°	1424.6	1426.3	1427.9	1429.6	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1424.6
167.5°	1436.2	1437.9	1439.5	1441.2	1442.0	1440.9	1438.8	1436.7	1434.6	1432.5	1434.6
170°	1444.6	1446.3	1447.9	1449.6	1450.4	1449.3	1447.2	1445.1	1443.0	1440.9	1443.0
172.5°	1450.9	1452.6	1454.2	1455.9	1456.7	1455.6	1453.5	1451.4	1449.3	1447.2	1449.3
175°	1455.1	1456.8	1458.4	1460.1	1460.9	1459.7	1457.4	1455.1	1452.7	1450.4	1452.7
177.5°	1456.2	1457.9	1459.5	1461.2	1462.0	1460.9	1458.8	1456.7	1454.6	1452.5	1454.6
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2099.9	2089.3	2080.1	2081.6	2089.3	2083.2	2067.9	2048.1	2040.5	2031.4	2040.5
5°	2226.3	2217.2	2198.9	2200.4	2195.9	2189.8	2165.4	2134.9	2134.9	2110.6	2107.5
7.5°	2351.2	2337.5	2325.3	2322.2	2305.5	2293.3	2272.0	2229.4	2212.6	2183.7	2166.9
10°	2491.3	2480.6	2466.9	2450.2	2441.0	2419.7	2384.7	2322.2	2291.8	2252.2	2223.3
12.5°	2632.9	2631.4	2600.9	2567.4	2565.9	2532.4	2508.0	2424.3	2383.2	2329.9	2261.3
15°	2722.7	2715.1	2698.4	2681.6	2686.2	2649.6	2594.8	2495.8	2468.4	2404.5	2331.4
17.5°	2721.2	2721.2	2716.6	2713.6	2709.0	2698.4	2667.9	2602.4	2558.3	2477.6	2409.0
20°	2634.4	2654.2	2658.8	2657.3	2672.5	2680.1	2678.6	2637.5	2602.4	2530.9	2460.8
22.5°	2460.8	2506.5	2526.3	2538.5	2570.5	2587.2	2626.8	2611.6	2602.4	2549.1	2489.8
25°	2299.4	2314.6	2374.0	2377.1	2421.2	2462.3	2501.9	2527.8	2561.3	2541.5	2491.3
27.5°	2090.8	2125.8	2168.4	2200.4	2209.6	2293.3	2358.8	2407.5	2483.7	2489.8	2473.0
30°	1854.7	1871.5	1941.5	1984.2	2032.9	2093.8	2188.2	2272.0	2340.5	2403.0	2424.3
32.5°	1566.9	1635.5	1676.6	1728.4	1771.0	1879.1	1994.8	2103.0	2182.1	2287.2	2332.9
35°	1303.5	1356.8	1426.8	1448.2	1525.8	1617.2	1768.0	1906.5	2026.8	2133.4	2226.3
37.5°	1085.7	1128.4	1203.0	1236.5	1282.2	1399.4	1525.8	1697.9	1842.6	1973.5	2089.3
40°	936.5	968.5	1024.8	1035.5	1073.6	1180.2	1282.2	1443.6	1635.5	1812.1	1938.5
42.5°	834.5	849.7	887.8	901.5	925.9	997.4	1088.8	1241.1	1419.2	1602.0	1780.1
45°	761.4	772.1	794.9	807.1	837.5	869.5	944.1	1065.9	1206.0	1390.3	1582.2
47.5°	695.9	709.6	718.8	726.4	743.1	778.1	826.9	916.7	1050.7	1219.7	1405.5
50°	641.1	645.7	662.4	663.9	674.6	697.4	743.1	797.9	904.5	1041.6	1221.3
52.5°	586.3	590.8	601.5	612.2	616.7	635.0	665.5	711.1	790.3	898.4	1058.3
55°	531.5	537.5	548.2	555.8	560.4	575.6	593.9	638.0	700.5	776.6	907.6
57.5°	476.6	490.3	493.4	498.0	505.6	522.3	539.1	565.0	613.7	683.7	779.7
60°	424.9	429.4	440.1	444.7	452.3	461.4	482.7	502.5	537.5	592.4	679.2
62.5°	371.6	382.2	386.8	391.4	397.4	408.1	421.8	443.1	473.6	517.7	586.3
65°	325.9	327.4	336.5	342.6	348.7	356.3	370.0	389.8	408.1	449.2	499.5
67.5°	281.7	284.8	287.8	293.9	301.5	309.1	321.3	332.0	354.8	382.2	421.8
70°	239.1	239.1	246.7	251.3	249.7	258.9	268.0	280.2	296.9	322.8	354.8
72.5°	201.0	199.5	205.6	207.1	210.1	216.2	222.3	234.5	243.6	263.4	287.8
75°	159.9	162.9	166.0	166.0	170.6	175.1	181.2	187.3	198.0	210.1	228.4
77.5°	126.4	126.4	129.4	131.0	135.5	134.0	140.1	146.2	153.8	164.5	178.2
80°	92.9	95.9	95.9	95.9	97.5	99.0	105.1	109.6	114.2	121.8	127.9
82.5°	65.5	65.5	68.5	68.5	68.5	71.6	71.6	73.1	76.1	80.7	85.3
85°	41.1	41.1	41.1	42.6	41.1	42.6	45.7	44.2	45.7	48.7	48.7
87.5°	19.8	19.8	19.8	19.8	19.8	21.3	19.8	21.3	22.8	22.8	22.8
90°	27.5	27.0	26.5	26.3	25.7	24.6	23.4	22.3	21.1	19.2	17.3
92.5°	28.0	27.7	27.5	27.4	27.2	26.7	26.2	25.8	25.3	24.6	23.9
95°	45.7	46.0	46.2	46.3	45.7	44.6	43.4	42.3	41.1	39.5	37.8
97.5°	57.5	57.2	57.0	56.9	56.5	55.8	55.1	54.4	53.7	50.0	46.2
100°	69.7	69.2	68.7	68.5	67.6	65.7	63.8	61.9	60.0	56.0	52.0
102.5°	75.5	74.8	74.1	73.7	72.4	69.8	67.3	64.7	62.1	104.7	147.3
105°	78.1	77.2	76.3	75.8	74.5	72.0	69.4	66.9	64.3	128.2	192.1
107.5°	80.3	79.3	78.4	77.9	76.6	74.1	71.5	69.0	66.4	145.3	224.1
110°	81.3	80.4	79.5	79.0	90.7	114.1	137.5	160.9	184.3	251.9	319.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	82.9	82.2	81.5	81.1	131.5	232.4	333.3	434.2	535.1	539.1	543.1
115°	120.1	136.9	153.8	162.2	216.4	324.8	433.1	541.5	649.9	644.0	638.2
117.5°	402.8	464.1	525.4	556.1	572.8	606.3	639.8	673.3	706.8	702.8	698.8
120°	705.7	737.3	768.9	784.7	783.3	780.5	777.7	774.9	772.1	767.9	763.7
122.5°	841.1	840.9	840.6	840.5	839.8	838.4	837.0	835.6	834.2	829.5	824.8
125°	899.2	898.5	897.8	897.4	896.6	894.9	893.3	891.6	890.0	885.6	881.1
127.5°	952.8	952.5	952.3	952.2	951.0	948.7	946.3	944.0	941.6	938.1	934.6
130°	1002.1	1002.4	1002.6	1002.7	1001.4	998.8	996.3	993.7	991.1	988.5	986.0
132.5°	1049.5	1049.8	1050.0	1050.1	1049.0	1046.9	1044.8	1042.7	1040.6	1038.0	1035.5
135°	1095.3	1095.8	1096.3	1096.5	1095.3	1093.0	1090.6	1088.3	1085.9	1083.8	1081.7
137.5°	1137.9	1138.6	1139.3	1139.7	1138.5	1136.2	1133.8	1131.5	1129.1	1126.8	1124.4
140°	1177.8	1179.0	1180.1	1180.7	1179.7	1177.6	1175.5	1173.4	1171.3	1168.7	1166.1
142.5°	1215.8	1216.9	1218.1	1218.7	1217.8	1215.9	1214.0	1212.1	1210.2	1207.2	1204.1
145°	1250.5	1251.6	1252.8	1253.4	1252.6	1250.9	1249.3	1247.6	1246.0	1242.0	1238.0
147.5°	1281.6	1282.6	1283.5	1284.0	1283.4	1282.2	1281.1	1279.9	1278.7	1274.7	1270.7
150°	1310.6	1311.7	1312.9	1313.5	1312.8	1311.4	1309.9	1308.5	1307.1	1303.4	1299.6
152.5°	1335.7	1337.3	1339.0	1339.8	1339.1	1337.7	1336.3	1334.9	1333.5	1330.0	1326.5
155°	1358.3	1360.2	1362.1	1363.0	1362.3	1360.9	1359.4	1358.0	1356.6	1353.8	1351.0
157.5°	1379.3	1381.2	1383.1	1384.0	1383.2	1381.5	1379.9	1378.2	1376.6	1374.5	1372.4
160°	1396.8	1398.4	1400.1	1400.9	1400.2	1398.8	1397.4	1396.0	1394.6	1393.2	1391.8
162.5°	1412.4	1414.5	1416.6	1417.7	1416.9	1415.3	1413.6	1412.0	1410.4	1409.2	1408.0
165°	1426.3	1427.9	1429.6	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1422.3	1421.6
167.5°	1436.7	1438.8	1440.9	1442.0	1441.2	1439.5	1437.9	1436.2	1434.6	1433.9	1433.2
170°	1445.1	1447.2	1449.3	1450.4	1449.6	1447.9	1446.3	1444.6	1443.0	1442.5	1442.1
172.5°	1451.4	1453.5	1455.6	1456.7	1455.9	1454.2	1452.6	1450.9	1449.3	1448.8	1448.4
175°	1455.1	1457.4	1459.7	1460.9	1460.1	1458.4	1456.8	1455.1	1453.5	1453.0	1452.6
177.5°	1456.7	1458.8	1460.9	1462.0	1461.2	1459.5	1457.9	1456.2	1454.6	1454.4	1454.1
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	2032.9	2025.3	2020.7	2023.8	2014.6	1991.8	1991.8	1999.4	1990.3	1981.1	1967.4
5°	2089.3	2074.0	2064.9	2063.4	2042.1	2005.5	1997.9	1990.3	1970.5	1949.2	1926.3
7.5°	2144.1	2116.7	2101.4	2090.8	2060.3	2013.1	1993.3	1976.6	1944.6	1912.6	1883.7
10°	2189.8	2150.2	2131.9	2115.1	2075.6	2016.2	1984.2	1953.7	1912.6	1871.5	1835.0
12.5°	2226.3	2180.6	2157.8	2133.4	2084.7	2007.0	1967.4	1918.7	1877.6	1822.8	1786.2
15°	2287.2	2192.8	2171.5	2148.6	2098.4	1991.8	1943.1	1888.3	1831.9	1758.8	1719.2
17.5°	2335.9	2209.6	2208.0	2159.3	2093.8	1985.7	1911.1	1839.5	1778.6	1705.5	1643.1
20°	2364.9	2235.4	2211.1	2160.8	2078.6	1944.6	1866.9	1787.7	1722.3	1633.9	1571.5
22.5°	2389.2	2272.0	2208.0	2147.1	2046.6	1930.9	1816.7	1742.1	1652.2	1556.3	1496.9
25°	2398.4	2279.6	2212.6	2142.6	2023.8	1891.3	1761.9	1681.2	1580.6	1493.9	1413.1
27.5°	2399.9	2278.1	2195.9	2122.8	1991.8	1839.5	1707.0	1621.8	1510.6	1410.1	1329.4
30°	2384.7	2261.3	2186.7	2107.5	1961.3	1792.3	1640.0	1545.6	1426.8	1326.3	1242.6
32.5°	2339.0	2227.8	2166.9	2080.1	1921.8	1726.8	1576.1	1471.0	1346.1	1247.2	1166.5
35°	2262.9	2186.7	2119.7	2039.0	1870.0	1665.9	1512.1	1388.8	1262.4	1168.0	1091.8
37.5°	2168.4	2127.3	2064.9	1985.7	1810.6	1611.1	1440.6	1303.5	1177.1	1085.7	1011.1
40°	2040.5	2051.2	1990.3	1918.7	1740.5	1536.5	1347.7	1216.7	1097.9	1012.7	939.6
42.5°	1902.0	1946.1	1911.1	1842.6	1662.9	1454.3	1279.1	1134.5	1018.7	930.4	869.5
45°	1752.7	1828.9	1807.5	1757.3	1582.2	1367.5	1181.7	1041.6	939.6	854.3	801.0
47.5°	1589.8	1697.9	1697.9	1661.4	1492.3	1280.7	1097.9	954.8	854.3	793.4	741.6
50°	1423.8	1545.6	1565.4	1541.1	1391.8	1181.7	995.9	866.5	779.7	720.3	682.2
52.5°	1250.2	1391.8	1428.4	1416.2	1285.2	1087.3	912.1	785.8	706.6	654.8	621.3
55°	1084.2	1248.7	1288.3	1292.8	1171.0	983.7	819.3	708.1	632.0	596.9	568.0
57.5°	927.4	1085.7	1129.9	1137.5	1055.3	889.3	732.5	635.0	566.5	537.5	514.7
60°	793.4	925.9	983.7	1000.5	928.9	779.7	651.8	557.3	505.6	478.2	456.8
62.5°	683.7	790.3	851.2	855.8	823.8	683.7	568.0	488.8	444.7	420.3	409.6
65°	577.1	673.1	709.6	727.9	702.0	592.4	490.3	424.9	389.8	368.5	357.9
67.5°	491.9	552.8	583.2	607.6	581.7	499.5	417.2	363.9	338.1	316.7	310.6
70°	403.5	453.8	476.6	501.0	478.2	415.7	356.3	307.6	284.8	268.0	260.4
72.5°	322.8	362.4	383.7	399.0	385.3	333.5	284.8	251.3	234.5	222.3	217.8
75°	255.8	283.2	295.4	306.1	300.0	260.4	229.9	202.5	187.3	176.6	173.6
77.5°	194.9	214.7	228.4	231.5	223.8	198.0	172.1	155.3	143.1	137.1	134.0
80°	138.6	150.8	158.4	162.9	155.3	144.7	126.4	114.2	103.5	95.9	94.4
82.5°	92.9	99.0	105.1	103.5	100.5	91.4	80.7	74.6	70.0	64.0	64.0
85°	53.3	54.8	57.9	59.4	57.9	51.8	45.7	42.6	39.6	35.0	35.0
87.5°	22.8	24.4	24.4	25.9	22.8	22.8	19.8	16.8	16.8	15.2	13.7
90°	15.4	13.5	12.6	11.3	8.8	6.2	3.7	1.1	3.7	6.2	8.8
92.5°	23.2	22.5	22.1	22.6	23.5	24.4	25.4	26.3	25.4	24.4	23.5
95°	36.2	34.5	33.7	37.6	45.3	53.0	60.8	68.5	60.8	53.0	45.3
97.5°	42.5	38.8	36.9	46.5	65.7	84.8	104.0	123.2	104.0	84.8	65.7
100°	48.1	44.1	42.1	58.1	90.2	122.3	154.3	186.4	154.3	122.3	90.2
102.5°	189.9	232.5	253.8	254.0	254.5	255.0	255.4	255.9	255.4	255.0	254.5
105°	256.0	319.9	351.8	348.3	341.3	334.2	327.2	320.2	327.2	334.2	341.3
107.5°	303.0	381.9	421.3	418.4	412.5	406.7	400.8	395.0	400.8	406.7	412.5
110°	387.2	454.9	488.7	486.2	481.3	476.4	471.5	466.6	471.5	476.4	481.3

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	547.0	551.0	553.0	550.9	546.7	542.4	538.2	534.0	538.2	542.4	546.7
115°	632.3	626.4	623.5	621.5	617.5	613.6	609.6	605.6	609.6	613.6	617.5
117.5°	694.9	690.9	688.9	686.6	681.9	677.2	672.5	667.8	672.5	677.2	681.9
120°	759.4	755.2	753.1	751.3	747.8	744.3	740.8	737.3	740.8	744.3	747.8
122.5°	820.1	815.4	813.1	811.2	807.5	803.8	800.0	796.3	800.0	803.8	807.5
125°	876.7	872.2	870.0	868.5	865.4	862.4	859.3	856.3	859.3	862.4	865.4
127.5°	931.1	927.6	925.8	924.2	920.9	917.6	914.4	911.1	914.4	917.6	920.9
130°	983.4	980.9	979.6	977.7	974.0	970.2	966.5	962.7	966.5	970.2	974.0
132.5°	1032.9	1030.4	1029.1	1027.6	1024.5	1021.5	1018.4	1015.4	1018.4	1021.5	1024.5
135°	1079.6	1077.5	1076.5	1074.6	1070.9	1067.1	1063.4	1059.6	1063.4	1067.1	1070.9
137.5°	1122.1	1119.8	1118.6	1117.2	1114.4	1111.6	1108.8	1106.0	1108.8	1111.6	1114.4
140°	1163.6	1161.0	1159.7	1158.8	1156.9	1155.0	1153.1	1151.2	1153.1	1155.0	1156.9
142.5°	1201.1	1198.0	1196.5	1195.7	1194.1	1192.4	1190.8	1189.2	1190.8	1192.4	1194.1
145°	1234.1	1230.1	1228.1	1228.2	1228.5	1228.7	1229.0	1229.2	1229.0	1228.7	1228.5
147.5°	1266.8	1262.8	1260.8	1261.1	1261.8	1262.5	1263.2	1263.9	1263.2	1262.5	1261.8
150°	1295.9	1292.2	1290.3	1291.1	1292.8	1294.4	1296.1	1297.7	1296.1	1294.4	1292.8
152.5°	1323.0	1319.5	1317.7	1318.6	1320.5	1322.4	1324.2	1326.1	1324.2	1322.4	1320.5
155°	1348.2	1345.4	1344.0	1345.1	1347.2	1349.3	1351.4	1353.5	1351.4	1349.3	1347.2
157.5°	1370.3	1368.2	1367.2	1368.1	1370.0	1371.9	1373.7	1375.6	1373.7	1371.9	1370.0
160°	1390.3	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6	1393.2	1391.8	1390.3
162.5°	1406.9	1405.7	1405.1	1405.8	1407.2	1408.6	1410.0	1411.4	1410.0	1408.6	1407.2
165°	1420.9	1420.2	1419.8	1420.5	1421.9	1423.4	1424.8	1426.2	1424.8	1423.4	1421.9
167.5°	1432.5	1431.8	1431.4	1432.1	1433.5	1434.9	1436.3	1437.7	1436.3	1434.9	1433.5
170°	1441.6	1441.1	1440.9	1441.6	1443.0	1444.4	1445.8	1447.2	1445.8	1444.4	1443.0
172.5°	1447.9	1447.4	1447.2	1447.9	1449.3	1450.7	1452.1	1453.5	1452.1	1450.7	1449.3
175°	1452.1	1451.6	1451.4	1452.2	1453.9	1455.5	1457.2	1458.8	1457.2	1455.5	1453.9
177.5°	1453.9	1453.6	1453.5	1454.3	1456.0	1457.6	1459.3	1460.9	1459.3	1457.6	1456.0
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1959.8	1967.4	1965.9	1950.7	1933.9	1920.2	1894.3	1897.4	1888.3	1889.8	1898.9
5°	1911.1	1911.1	1905.0	1883.7	1856.3	1841.0	1812.1	1804.5	1786.2	1784.7	1783.2
7.5°	1859.3	1851.7	1844.1	1813.6	1780.1	1755.8	1716.2	1707.0	1688.8	1676.6	1670.5
10°	1798.4	1787.7	1772.5	1737.5	1696.4	1665.9	1624.8	1612.6	1577.6	1562.4	1553.2
12.5°	1731.4	1725.3	1700.9	1672.0	1605.0	1571.5	1512.1	1524.3	1489.3	1458.8	1454.3
15°	1664.4	1641.6	1627.9	1580.6	1499.9	1484.7	1437.5	1413.1	1381.2	1356.8	1356.8
17.5°	1598.9	1563.9	1533.4	1483.2	1423.8	1381.2	1346.1	1334.0	1294.4	1270.0	1265.4
20°	1512.1	1472.5	1464.9	1393.3	1352.2	1305.0	1271.5	1241.1	1212.1	1201.5	1193.9
22.5°	1429.9	1384.2	1372.0	1311.1	1270.0	1222.8	1189.3	1168.0	1146.7	1139.0	1125.3
25°	1341.6	1314.2	1295.9	1230.4	1184.7	1140.6	1117.7	1102.5	1082.7	1081.2	1072.0
27.5°	1256.3	1230.4	1212.1	1149.7	1116.2	1075.1	1056.8	1040.1	1029.4	1024.8	1020.3
30°	1183.2	1154.3	1133.0	1087.3	1046.2	1012.7	997.4	986.8	980.7	973.1	971.5
32.5°	1102.5	1085.7	1056.8	1021.8	989.8	957.8	948.7	941.1	931.9	928.9	927.4
35°	1034.0	1011.1	992.9	953.3	939.6	912.1	901.5	895.4	883.2	880.2	877.1
37.5°	967.0	945.6	925.9	901.5	875.6	860.4	854.3	845.1	839.1	840.6	837.5
40°	900.0	883.2	868.0	842.1	826.9	819.3	807.1	797.9	794.9	796.4	794.9
42.5°	834.5	819.3	810.1	790.3	775.1	767.5	759.9	750.7	755.3	755.3	759.9
45°	775.1	761.4	755.3	740.1	730.9	718.8	711.1	709.6	715.7	714.2	714.2
47.5°	714.2	709.6	702.0	688.3	676.1	668.5	667.0	667.0	673.1	676.1	674.6
50°	667.0	657.8	648.7	638.0	628.9	625.9	621.3	624.3	630.4	630.4	633.5
52.5°	607.6	601.5	598.5	589.3	583.2	583.2	583.2	584.7	589.3	593.9	592.4
55°	555.8	551.2	548.2	543.6	536.0	537.5	536.0	539.1	543.6	548.2	551.2
57.5°	501.0	499.5	496.4	488.8	488.8	487.3	491.9	493.4	501.0	504.0	508.6
60°	452.3	447.7	447.7	441.6	441.6	441.6	446.2	450.7	456.8	458.4	461.4
62.5°	400.5	400.5	399.0	394.4	394.4	399.0	400.5	406.6	409.6	409.6	414.2
65°	351.8	350.2	348.7	350.2	351.8	351.8	356.3	359.4	362.4	363.9	365.5
67.5°	303.0	301.5	304.6	303.0	306.1	312.2	310.6	315.2	319.8	319.8	321.3
70°	257.4	260.4	258.9	261.9	260.4	263.4	268.0	269.5	269.5	271.1	275.6
72.5°	214.7	214.7	214.7	213.2	214.7	217.8	220.8	222.3	225.4	226.9	231.5
75°	173.6	173.6	170.6	173.6	173.6	176.6	179.7	179.7	179.7	182.7	187.3
77.5°	131.0	132.5	131.0	134.0	134.0	135.5	138.6	137.1	140.1	141.6	143.1
80°	95.9	94.4	94.4	94.4	95.9	95.9	99.0	100.5	100.5	105.1	102.0
82.5°	60.9	62.4	60.9	62.4	62.4	64.0	62.4	64.0	65.5	68.5	67.0
85°	35.0	33.5	33.5	35.0	33.5	33.5	35.0	33.5	35.0	33.5	35.0
87.5°	13.7	12.2	12.2	12.2	12.2	10.7	10.7	9.1	9.1	9.1	7.6
90°	11.3	12.6	13.5	15.4	17.3	19.2	21.1	22.3	23.4	24.6	25.7
92.5°	22.6	22.1	22.5	23.2	23.9	24.6	25.3	25.8	26.2	26.7	27.2
95°	37.6	33.7	34.5	36.2	37.8	39.5	41.1	42.3	43.4	44.6	45.7
97.5°	46.5	36.9	38.8	42.5	46.2	50.0	53.7	54.4	55.1	55.8	56.5
100°	58.1	42.1	44.1	48.1	52.0	56.0	60.0	61.9	63.8	65.7	67.6
102.5°	254.0	253.8	232.5	189.9	147.3	104.7	62.1	64.7	67.3	69.8	72.4
105°	348.3	351.8	319.9	256.0	192.1	128.2	64.3	66.9	69.4	72.0	74.5
107.5°	418.4	421.3	381.9	303.0	224.1	145.3	66.4	69.0	71.5	74.1	76.6
110°	486.2	488.7	454.9	387.2	319.6	251.9	184.3	160.9	137.5	114.1	90.7

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	550.9	553.0	551.0	547.0	543.1	539.1	535.1	434.2	333.3	232.4	131.5
115°	621.5	623.5	626.4	632.3	638.2	644.0	649.9	541.5	433.1	324.8	216.4
117.5°	686.6	688.9	690.9	694.9	698.8	702.8	706.8	673.3	639.8	606.3	572.8
120°	751.3	753.1	755.2	759.4	763.7	767.9	772.1	774.9	777.7	780.5	783.3
122.5°	811.2	813.1	815.4	820.1	824.8	829.5	834.2	835.6	837.0	838.4	839.8
125°	868.5	870.0	872.2	876.7	881.1	885.6	890.0	891.6	893.3	894.9	896.6
127.5°	924.2	925.8	927.6	931.1	934.6	938.1	941.6	944.0	946.3	948.7	951.0
130°	977.7	979.6	980.9	983.4	986.0	988.5	991.1	993.7	996.3	998.8	1001.4
132.5°	1027.6	1029.1	1030.4	1032.9	1035.5	1038.0	1040.6	1042.7	1044.8	1046.9	1049.0
135°	1074.6	1076.5	1077.5	1079.6	1081.7	1083.8	1085.9	1088.3	1090.6	1093.0	1095.3
137.5°	1117.2	1118.6	1119.8	1122.1	1124.4	1126.8	1129.1	1131.5	1133.8	1136.2	1138.5
140°	1158.8	1159.7	1161.0	1163.6	1166.1	1168.7	1171.3	1173.4	1175.5	1177.6	1179.7
142.5°	1195.7	1196.5	1198.0	1201.1	1204.1	1207.2	1210.2	1212.1	1214.0	1215.9	1217.8
145°	1228.2	1228.1	1230.1	1234.1	1238.0	1242.0	1246.0	1247.6	1249.3	1250.9	1252.6
147.5°	1261.1	1260.8	1262.8	1266.8	1270.7	1274.7	1278.7	1279.9	1281.1	1282.2	1283.4
150°	1291.1	1290.3	1292.2	1295.9	1299.6	1303.4	1307.1	1308.5	1309.9	1311.4	1312.8
152.5°	1318.6	1317.7	1319.5	1323.0	1326.5	1330.0	1333.5	1334.9	1336.3	1337.7	1339.1
155°	1345.1	1344.0	1345.4	1348.2	1351.0	1353.8	1356.6	1358.0	1359.4	1360.9	1362.3
157.5°	1368.1	1367.2	1368.2	1370.3	1372.4	1374.5	1376.6	1378.2	1379.9	1381.5	1383.2
160°	1388.9	1388.2	1388.9	1390.3	1391.8	1393.2	1394.6	1396.0	1397.4	1398.8	1400.2
162.5°	1405.8	1405.1	1405.7	1406.9	1408.0	1409.2	1410.4	1412.0	1413.6	1415.3	1416.9
165°	1420.5	1419.8	1420.2	1420.9	1421.6	1422.3	1423.0	1424.6	1426.3	1427.9	1429.6
167.5°	1432.1	1431.4	1431.8	1432.5	1433.2	1433.9	1434.6	1436.2	1437.9	1439.5	1441.2
170°	1441.6	1440.9	1441.1	1441.6	1442.1	1442.5	1443.0	1444.6	1446.3	1447.9	1449.6
172.5°	1447.9	1447.2	1447.4	1447.9	1448.4	1448.8	1449.3	1450.9	1452.6	1454.2	1455.9
175°	1452.2	1451.4	1451.6	1452.1	1452.6	1453.0	1453.5	1455.1	1456.8	1458.4	1460.1
177.5°	1454.3	1453.5	1453.6	1453.9	1454.1	1454.4	1454.6	1456.2	1457.9	1459.5	1461.2
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1888.3	1892.8	1882.2	1879.1	1882.2	1871.5	1874.5	1877.6	1877.6	1882.2	1885.2
5°	1778.6	1772.5	1761.9	1758.8	1755.8	1760.3	1757.3	1761.9	1763.4	1774.0	1775.6
7.5°	1670.5	1661.4	1652.2	1643.1	1640.0	1632.4	1640.0	1640.0	1650.7	1647.7	1655.3
10°	1542.6	1541.1	1528.9	1524.3	1518.2	1506.0	1522.8	1518.2	1525.8	1539.5	1542.6
12.5°	1448.2	1431.4	1439.0	1417.7	1425.3	1413.1	1414.7	1414.7	1426.8	1428.4	1425.3
15°	1358.3	1344.6	1324.8	1315.7	1311.1	1305.0	1324.8	1326.3	1317.2	1338.5	1330.9
17.5°	1267.0	1267.0	1248.7	1244.1	1231.9	1238.0	1235.0	1236.5	1233.5	1248.7	1256.3
20°	1187.8	1180.2	1174.1	1175.6	1160.4	1157.3	1154.3	1157.3	1168.0	1178.6	1181.7
22.5°	1123.8	1119.2	1104.0	1107.1	1094.9	1099.4	1096.4	1104.0	1105.5	1105.5	1116.2
25°	1062.9	1056.8	1058.3	1052.2	1047.7	1047.7	1043.1	1047.7	1053.8	1056.8	1058.3
27.5°	1017.2	1012.7	1005.0	1000.5	1003.5	995.9	1002.0	1006.6	1006.6	1003.5	1006.6
30°	962.4	965.4	965.4	950.2	956.3	953.3	957.8	960.9	960.9	962.4	959.4
32.5°	925.9	916.7	915.2	913.7	913.7	907.6	907.6	912.1	913.7	915.2	919.8
35°	877.1	877.1	869.5	874.1	868.0	869.5	868.0	869.5	872.6	868.0	872.6
37.5°	833.0	834.5	831.4	834.5	836.0	833.0	829.9	836.0	833.0	833.0	829.9
40°	794.9	793.4	794.9	794.9	794.9	796.4	793.4	793.4	793.4	790.3	787.3
42.5°	762.9	753.8	756.8	758.3	753.8	753.8	755.3	753.8	758.3	749.2	749.2
45°	717.2	714.2	715.7	715.7	718.8	714.2	717.2	718.8	714.2	712.7	709.6
47.5°	676.1	679.2	676.1	679.2	679.2	682.2	676.1	677.6	679.2	673.1	668.5
50°	635.0	635.0	639.6	638.0	639.6	636.5	636.5	635.0	636.5	633.5	628.9
52.5°	596.9	592.4	600.0	598.5	596.9	595.4	593.9	595.4	592.4	589.3	589.3
55°	549.7	549.7	554.3	555.8	555.8	552.8	549.7	551.2	549.7	548.2	546.7
57.5°	511.7	505.6	508.6	510.1	510.1	505.6	508.6	505.6	505.6	507.1	502.5
60°	462.9	462.9	459.9	464.4	464.4	461.4	461.4	462.9	459.9	458.4	456.8
62.5°	411.2	412.7	417.2	418.8	420.3	417.2	414.2	415.7	415.7	411.2	412.7
65°	367.0	370.0	376.1	374.6	371.6	373.1	370.0	371.6	367.0	368.5	363.9
67.5°	324.4	322.8	324.4	324.4	327.4	325.9	322.8	322.8	321.3	325.9	321.3
70°	278.7	278.7	278.7	278.7	280.2	281.7	278.7	275.6	277.1	274.1	272.6
72.5°	231.5	233.0	231.5	234.5	229.9	233.0	233.0	231.5	229.9	229.9	229.9
75°	187.3	190.3	185.8	187.3	185.8	188.8	187.3	187.3	184.3	182.7	184.3
77.5°	143.1	144.7	141.6	143.1	141.6	143.1	143.1	141.6	141.6	141.6	141.6
80°	102.0	103.5	102.0	100.5	99.0	102.0	99.0	100.5	102.0	100.5	103.5
82.5°	65.5	65.5	64.0	65.5	62.4	62.4	64.0	64.0	62.4	65.5	62.4
85°	32.0	32.0	35.0	32.0	30.5	30.5	30.5	32.0	30.5	33.5	32.0
87.5°	7.6	6.1	7.6	7.6	6.1	6.1	7.6	6.1	7.6	9.1	6.1
90°	26.3	26.5	27.0	27.5	27.9	28.4	27.9	27.5	27.0	26.5	26.3
92.5°	27.4	27.5	27.7	28.0	28.2	28.4	28.2	28.0	27.7	27.5	27.4
95°	46.3	46.2	46.0	45.7	45.5	45.3	45.5	45.7	46.0	46.2	46.3
97.5°	56.9	57.0	57.2	57.5	57.7	57.9	57.7	57.5	57.2	57.0	56.9
100°	68.5	68.7	69.2	69.7	70.1	70.6	70.1	69.7	69.2	68.7	68.5
102.5°	73.7	74.1	74.8	75.5	76.2	76.9	76.2	75.5	74.8	74.1	73.7
105°	75.8	76.3	77.2	78.1	79.1	80.0	79.1	78.1	77.2	76.3	75.8
107.5°	77.9	78.4	79.3	80.3	81.2	82.2	81.2	80.3	79.3	78.4	77.9
110°	79.0	79.5	80.4	81.3	82.3	83.2	82.3	81.3	80.4	79.5	79.0

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	81.1	81.5	82.2	82.9	83.6	84.3	83.6	82.9	82.2	81.5	81.1
115°	162.2	153.8	136.9	120.1	103.2	86.4	103.2	120.1	136.9	153.8	162.2
117.5°	556.1	525.4	464.1	402.8	341.5	280.2	341.5	402.8	464.1	525.4	556.1
120°	784.7	768.9	737.3	705.7	674.1	642.5	674.1	705.7	737.3	768.9	784.7
122.5°	840.5	840.6	840.9	841.1	841.4	841.6	841.4	841.1	840.9	840.6	840.5
125°	897.4	897.8	898.5	899.2	899.9	900.6	899.9	899.2	898.5	897.8	897.4
127.5°	952.2	952.3	952.5	952.8	953.0	953.2	953.0	952.8	952.5	952.3	952.2
130°	1002.7	1002.6	1002.4	1002.1	1001.9	1001.7	1001.9	1002.1	1002.4	1002.6	1002.7
132.5°	1050.1	1050.0	1049.8	1049.5	1049.3	1049.1	1049.3	1049.5	1049.8	1050.0	1050.1
135°	1096.5	1096.3	1095.8	1095.3	1094.9	1094.4	1094.9	1095.3	1095.8	1096.3	1096.5
137.5°	1139.7	1139.3	1138.6	1137.9	1137.2	1136.5	1137.2	1137.9	1138.6	1139.3	1139.7
140°	1180.7	1180.1	1179.0	1177.8	1176.7	1175.5	1176.7	1177.8	1179.0	1180.1	1180.7
142.5°	1218.7	1218.1	1216.9	1215.8	1214.6	1213.4	1214.6	1215.8	1216.9	1218.1	1218.7
145°	1253.4	1252.8	1251.6	1250.5	1249.3	1248.1	1249.3	1250.5	1251.6	1252.8	1253.4
147.5°	1284.0	1283.5	1282.6	1281.6	1280.7	1279.7	1280.7	1281.6	1282.6	1283.5	1284.0
150°	1313.5	1312.9	1311.7	1310.6	1309.4	1308.2	1309.4	1310.6	1311.7	1312.9	1313.5
152.5°	1339.8	1339.0	1337.3	1335.7	1334.0	1332.4	1334.0	1335.7	1337.3	1339.0	1339.8
155°	1363.0	1362.1	1360.2	1358.3	1356.4	1354.5	1356.4	1358.3	1360.2	1362.1	1363.0
157.5°	1384.0	1383.1	1381.2	1379.3	1377.5	1375.6	1377.5	1379.3	1381.2	1383.1	1384.0
160°	1400.9	1400.1	1398.4	1396.8	1395.1	1393.5	1395.1	1396.8	1398.4	1400.1	1400.9
162.5°	1417.7	1416.6	1414.5	1412.4	1410.3	1408.2	1410.3	1412.4	1414.5	1416.6	1417.7
165°	1430.4	1429.6	1427.9	1426.3	1424.6	1423.0	1424.6	1426.3	1427.9	1429.6	1430.4
167.5°	1442.0	1440.9	1438.8	1436.7	1434.6	1432.5	1434.6	1436.7	1438.8	1440.9	1442.0
170°	1450.4	1449.3	1447.2	1445.1	1443.0	1440.9	1443.0	1445.1	1447.2	1449.3	1450.4
172.5°	1456.7	1455.6	1453.5	1451.4	1449.3	1447.2	1449.3	1451.4	1453.5	1455.6	1456.7
175°	1460.9	1459.7	1457.4	1455.1	1452.7	1450.4	1452.7	1455.1	1457.4	1459.7	1460.9
177.5°	1462.0	1460.9	1458.8	1456.7	1454.6	1452.5	1454.6	1456.7	1458.8	1460.9	1462.0
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1	1981.1
2.5°	1880.6	1892.8	1888.3	1871.5	1891.3	1891.3	1905.0	1905.0	1921.8	1927.8	1937.0
5°	1774.0	1783.2	1790.8	1783.2	1796.9	1818.2	1830.4	1841.0	1863.9	1873.0	1886.7
7.5°	1659.8	1676.6	1684.2	1684.2	1707.0	1731.4	1755.8	1771.0	1803.0	1815.2	1828.9
10°	1548.7	1568.5	1583.7	1582.2	1620.2	1635.5	1665.9	1700.9	1732.9	1751.2	1771.0
12.5°	1431.4	1442.1	1463.4	1493.9	1503.0	1530.4	1565.4	1609.6	1667.4	1684.2	1713.1
15°	1334.0	1362.9	1379.6	1393.3	1414.7	1440.6	1478.6	1521.3	1579.1	1615.7	1646.1
17.5°	1251.7	1289.8	1300.5	1297.4	1324.8	1364.4	1408.6	1440.6	1492.3	1536.5	1565.4
20°	1184.7	1200.0	1218.2	1225.8	1247.2	1289.8	1332.4	1369.0	1411.6	1446.6	1480.1
22.5°	1117.7	1129.9	1145.1	1158.8	1175.6	1200.0	1241.1	1286.8	1327.9	1361.4	1399.4
25°	1062.9	1070.5	1084.2	1094.9	1113.2	1129.9	1158.8	1209.1	1257.8	1277.6	1311.1
27.5°	1009.6	1015.7	1024.8	1037.0	1046.2	1062.9	1088.8	1129.9	1180.2	1200.0	1245.6
30°	962.4	967.0	976.1	982.2	986.8	1006.6	1026.4	1058.3	1096.4	1123.8	1157.3
32.5°	918.2	922.8	931.9	933.5	939.6	950.2	968.5	997.4	1030.9	1053.8	1082.7
35°	869.5	872.6	881.7	884.7	889.3	898.4	912.1	933.5	963.9	980.7	1006.6
37.5°	831.4	829.9	836.0	840.6	846.7	851.2	855.8	877.1	900.0	915.2	935.0
40°	790.3	787.3	788.8	794.9	797.9	804.0	804.0	825.3	840.6	852.8	868.0
42.5°	749.2	747.7	744.6	747.7	750.7	752.3	753.8	769.0	784.2	794.9	811.6
45°	708.1	706.6	703.5	705.0	705.0	708.1	712.7	718.8	729.4	738.5	747.7
47.5°	670.0	667.0	662.4	660.9	663.9	663.9	663.9	670.0	680.7	683.7	692.9
50°	630.4	625.9	619.8	616.7	616.7	615.2	618.2	619.8	628.9	632.0	639.6
52.5°	587.8	584.7	578.7	572.6	574.1	571.0	572.6	574.1	577.1	581.7	586.3
55°	545.2	539.1	534.5	533.0	528.4	528.4	523.8	529.9	528.4	529.9	536.0
57.5°	504.0	498.0	490.3	487.3	482.7	481.2	478.2	476.6	478.2	482.7	487.3
60°	455.3	452.3	447.7	443.1	440.1	435.5	432.5	432.5	430.9	430.9	432.5
62.5°	408.1	406.6	400.5	399.0	395.9	392.9	388.3	385.3	385.3	388.3	389.8
65°	362.4	360.9	356.3	354.8	347.2	344.1	342.6	341.1	338.1	338.1	338.1
67.5°	319.8	315.2	315.2	307.6	301.5	298.5	295.4	293.9	293.9	293.9	295.4
70°	272.6	272.6	268.0	263.4	257.4	258.9	254.3	249.7	249.7	246.7	248.2
72.5°	226.9	225.4	220.8	219.3	214.7	210.1	207.1	210.1	205.6	204.1	205.6
75°	182.7	181.2	178.2	175.1	176.6	172.1	167.5	166.0	166.0	162.9	162.9
77.5°	140.1	143.1	137.1	135.5	132.5	129.4	127.9	126.4	126.4	126.4	129.4
80°	97.5	99.0	99.0	95.9	97.5	92.9	92.9	92.9	88.3	89.8	91.4
82.5°	62.4	62.4	60.9	62.4	60.9	60.9	59.4	59.4	57.9	57.9	59.4
85°	35.0	33.5	32.0	35.0	33.5	33.5	32.0	32.0	32.0	32.0	32.0
87.5°	7.6	9.1	9.1	9.1	9.1	10.7	10.7	10.7	12.2	12.2	12.2
90°	25.7	24.6	23.4	22.3	21.1	19.2	17.3	15.4	13.5	12.6	11.3
92.5°	27.2	26.7	26.2	25.8	25.3	24.6	23.9	23.2	22.5	22.1	22.6
95°	45.7	44.6	43.4	42.3	41.1	39.5	37.8	36.2	34.5	33.7	37.6
97.5°	56.5	55.8	55.1	54.4	53.7	50.0	46.2	42.5	38.8	36.9	46.5
100°	67.6	65.7	63.8	61.9	60.0	56.0	52.0	48.1	44.1	42.1	58.1
102.5°	72.4	69.8	67.3	64.7	62.1	104.7	147.3	189.9	232.5	253.8	254.0
105°	74.5	72.0	69.4	66.9	64.3	128.2	192.1	256.0	319.9	351.8	348.3
107.5°	76.6	74.1	71.5	69.0	66.4	145.3	224.1	303.0	381.9	421.3	418.4
110°	90.7	114.1	137.5	160.9	184.3	251.9	319.6	387.2	454.9	488.7	486.2

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	131.5	232.4	333.3	434.2	535.1	539.1	543.1	547.0	551.0	553.0	550.9
115°	216.4	324.8	433.1	541.5	649.9	644.0	638.2	632.3	626.4	623.5	621.5
117.5°	572.8	606.3	639.8	673.3	706.8	702.8	698.8	694.9	690.9	688.9	686.6
120°	783.3	780.5	777.7	774.9	772.1	767.9	763.7	759.4	755.2	753.1	751.3
122.5°	839.8	838.4	837.0	835.6	834.2	829.5	824.8	820.1	815.4	813.1	811.2
125°	896.6	894.9	893.3	891.6	890.0	885.6	881.1	876.7	872.2	870.0	868.5
127.5°	951.0	948.7	946.3	944.0	941.6	938.1	934.6	931.1	927.6	925.8	924.2
130°	1001.4	998.8	996.3	993.7	991.1	988.5	986.0	983.4	980.9	979.6	977.7
132.5°	1049.0	1046.9	1044.8	1042.7	1040.6	1038.0	1035.5	1032.9	1030.4	1029.1	1027.6
135°	1095.3	1093.0	1090.6	1088.3	1085.9	1083.8	1081.7	1079.6	1077.5	1076.5	1074.6
137.5°	1138.5	1136.2	1133.8	1131.5	1129.1	1126.8	1124.4	1122.1	1119.8	1118.6	1117.2
140°	1179.7	1177.6	1175.5	1173.4	1171.3	1168.7	1166.1	1163.6	1161.0	1159.7	1158.8
142.5°	1217.8	1215.9	1214.0	1212.1	1210.2	1207.2	1204.1	1201.1	1198.0	1196.5	1195.7
145°	1252.6	1250.9	1249.3	1247.6	1246.0	1242.0	1238.0	1234.1	1230.1	1228.1	1228.2
147.5°	1283.4	1282.2	1281.1	1279.9	1278.7	1274.7	1270.7	1266.8	1262.8	1260.8	1261.1
150°	1312.8	1311.4	1309.9	1308.5	1307.1	1303.4	1299.6	1295.9	1292.2	1290.3	1291.1
152.5°	1339.1	1337.7	1336.3	1334.9	1333.5	1330.0	1326.5	1323.0	1319.5	1317.7	1318.6
155°	1362.3	1360.9	1359.4	1358.0	1356.6	1353.8	1351.0	1348.2	1345.4	1344.0	1345.1
157.5°	1383.2	1381.5	1379.9	1378.2	1376.6	1374.5	1372.4	1370.3	1368.2	1367.2	1368.1
160°	1400.2	1398.8	1397.4	1396.0	1394.6	1393.2	1391.8	1390.3	1388.9	1388.2	1388.9
162.5°	1416.9	1415.3	1413.6	1412.0	1410.4	1409.2	1408.0	1406.9	1405.7	1405.1	1405.8
165°	1429.6	1427.9	1426.3	1424.6	1423.0	1422.3	1421.6	1420.9	1420.2	1419.8	1420.5
167.5°	1441.2	1439.5	1437.9	1436.2	1434.6	1433.9	1433.2	1432.5	1431.8	1431.4	1432.1
170°	1449.6	1447.9	1446.3	1444.6	1443.0	1442.5	1442.1	1441.6	1441.1	1440.9	1441.6
172.5°	1455.9	1454.2	1452.6	1450.9	1449.3	1448.8	1448.4	1447.9	1447.4	1447.2	1447.9
175°	1460.1	1458.4	1456.8	1455.1	1453.5	1453.0	1452.6	1452.1	1451.6	1451.4	1452.2
177.5°	1461.2	1459.5	1457.9	1456.2	1454.6	1454.4	1454.1	1453.9	1453.6	1453.5	1454.3
180°	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6	1455.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1981.1	1981.1	1981.1	1981.1
2.5°	1944.6	1944.6	1967.4	1991.8
5°	1902.0	1912.6	1949.2	1982.7
7.5°	1860.8	1879.1	1924.8	1967.4
10°	1810.6	1835.0	1891.3	1941.5
12.5°	1761.9	1784.7	1850.2	1906.5
15°	1693.3	1722.3	1792.3	1862.4
17.5°	1624.8	1653.7	1739.0	1821.2
20°	1544.1	1582.2	1678.1	1787.7
22.5°	1469.5	1516.7	1623.3	1711.6
25°	1387.3	1460.3	1559.3	1673.5
27.5°	1314.2	1387.3	1487.8	1603.5
30°	1231.9	1306.5	1410.1	1516.7
32.5°	1152.7	1221.3	1321.8	1452.7
35°	1070.5	1136.0	1233.5	1365.9
37.5°	995.9	1059.9	1166.5	1288.3
40°	922.8	989.8	1081.2	1203.0
42.5°	854.3	913.7	995.9	1117.7
45°	791.8	834.5	910.6	1024.8
47.5°	726.4	764.4	834.5	948.7
50°	665.5	697.4	758.3	864.9
52.5°	606.1	633.5	689.8	775.1
55°	552.8	578.7	619.8	703.5
57.5°	498.0	517.7	557.3	624.3
60°	444.7	462.9	494.9	549.7
62.5°	391.4	406.6	437.0	481.2
65°	344.1	356.3	379.2	417.2
67.5°	298.5	306.1	324.4	354.8
70°	254.3	260.4	275.6	300.0
72.5°	207.1	213.2	229.9	246.7
75°	167.5	169.0	181.2	194.9
77.5°	131.0	129.4	138.6	149.2
80°	89.8	94.4	102.0	106.6
82.5°	60.9	62.4	65.5	68.5
85°	33.5	35.0	35.0	39.6
87.5°	13.7	15.2	15.2	16.8
90°	8.8	6.2	3.7	1.1
92.5°	23.5	24.4	25.4	26.3
95°	45.3	53.0	60.8	68.5
97.5°	65.7	84.8	104.0	123.2
100°	90.2	122.3	154.3	186.4
102.5°	254.5	255.0	255.4	255.9
105°	341.3	334.2	327.2	320.2
107.5°	412.5	406.7	400.8	395.0
110°	481.3	476.4	471.5	466.6

TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	546.7	542.4	538.2	534.0
115°	617.5	613.6	609.6	605.6
117.5°	681.9	677.2	672.5	667.8
120°	747.8	744.3	740.8	737.3
122.5°	807.5	803.8	800.0	796.3
125°	865.4	862.4	859.3	856.3
127.5°	920.9	917.6	914.4	911.1
130°	974.0	970.2	966.5	962.7
132.5°	1024.5	1021.5	1018.4	1015.4
135°	1070.9	1067.1	1063.4	1059.6
137.5°	1114.4	1111.6	1108.8	1106.0
140°	1156.9	1155.0	1153.1	1151.2
142.5°	1194.1	1192.4	1190.8	1189.2
145°	1228.5	1228.7	1229.0	1229.2
147.5°	1261.8	1262.5	1263.2	1263.9
150°	1292.8	1294.4	1296.1	1297.7
152.5°	1320.5	1322.4	1324.2	1326.1
155°	1347.2	1349.3	1351.4	1353.5
157.5°	1370.0	1371.9	1373.7	1375.6
160°	1390.3	1391.8	1393.2	1394.6
162.5°	1407.2	1408.6	1410.0	1411.4
165°	1421.9	1423.4	1424.8	1426.2
167.5°	1433.5	1434.9	1436.3	1437.7
170°	1443.0	1444.4	1445.8	1447.2
172.5°	1449.3	1450.7	1452.1	1453.5
175°	1453.9	1455.5	1457.2	1458.8
177.5°	1456.0	1457.6	1459.3	1460.9
180°	1455.6	1455.6	1455.6	1455.6



TEST NUMBER: P997784

CATALOG NUMBER: SA2XXDIP-B1005D1080UB27-4F0-XX-W2A-A

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	17.87	18.71	18.83	19.67	20.94	15.37	16.20	16.32	17.17	18.43
	3H	18.68	19.43	19.65	20.41	21.69	16.71	17.45	17.68	18.43	19.72
	4H	18.85	19.55	19.83	20.54	21.83	17.17	17.87	18.15	18.86	20.15
	6H	18.89	19.54	19.89	20.53	21.84	17.48	18.12	18.47	19.11	20.42
	8H	18.87	19.49	19.87	20.49	21.80	17.56	18.17	18.56	19.18	20.48
	12H	18.83	19.42	19.84	20.42	21.75	17.60	18.19	18.61	19.18	20.51
4H	2H	17.91	18.62	18.90	19.60	20.89	15.81	16.51	16.80	17.50	18.79
	3H	18.89	19.47	19.89	20.49	21.80	17.27	17.85	18.27	18.86	20.17
	4H	19.16	19.70	20.17	20.70	22.04	17.80	18.34	18.81	19.34	20.67
	6H	19.29	19.75	20.31	20.78	22.11	18.18	18.64	19.20	19.67	21.00
	8H	19.29	19.72	20.31	20.74	22.09	18.29	18.72	19.31	19.74	21.08
	12H	19.25	19.64	20.29	20.68	22.03	18.34	18.73	19.38	19.77	21.12
8H	4H	19.17	19.60	20.19	20.62	21.97	17.94	18.37	18.96	19.39	20.74
	6H	19.35	19.70	20.39	20.77	22.11	18.37	18.73	19.42	19.79	21.13
	8H	19.38	19.69	20.43	20.74	22.10	18.52	18.84	19.58	19.88	21.25
	12H	19.36	19.64	20.42	20.68	22.08	18.62	18.89	19.67	19.93	21.34
12H	4H	19.13	19.51	20.16	20.55	21.90	17.91	18.30	18.95	19.34	20.69
	6H	19.33	19.64	20.38	20.69	22.05	18.37	18.69	19.43	19.73	21.10
	8H	19.36	19.63	20.41	20.68	22.08	18.53	18.80	19.58	19.85	21.25