

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: P997818

Luminaire Tested: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P997818
REPORT IS A COMBINATION OF REPORTS P983552 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1
Description: Define 2 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

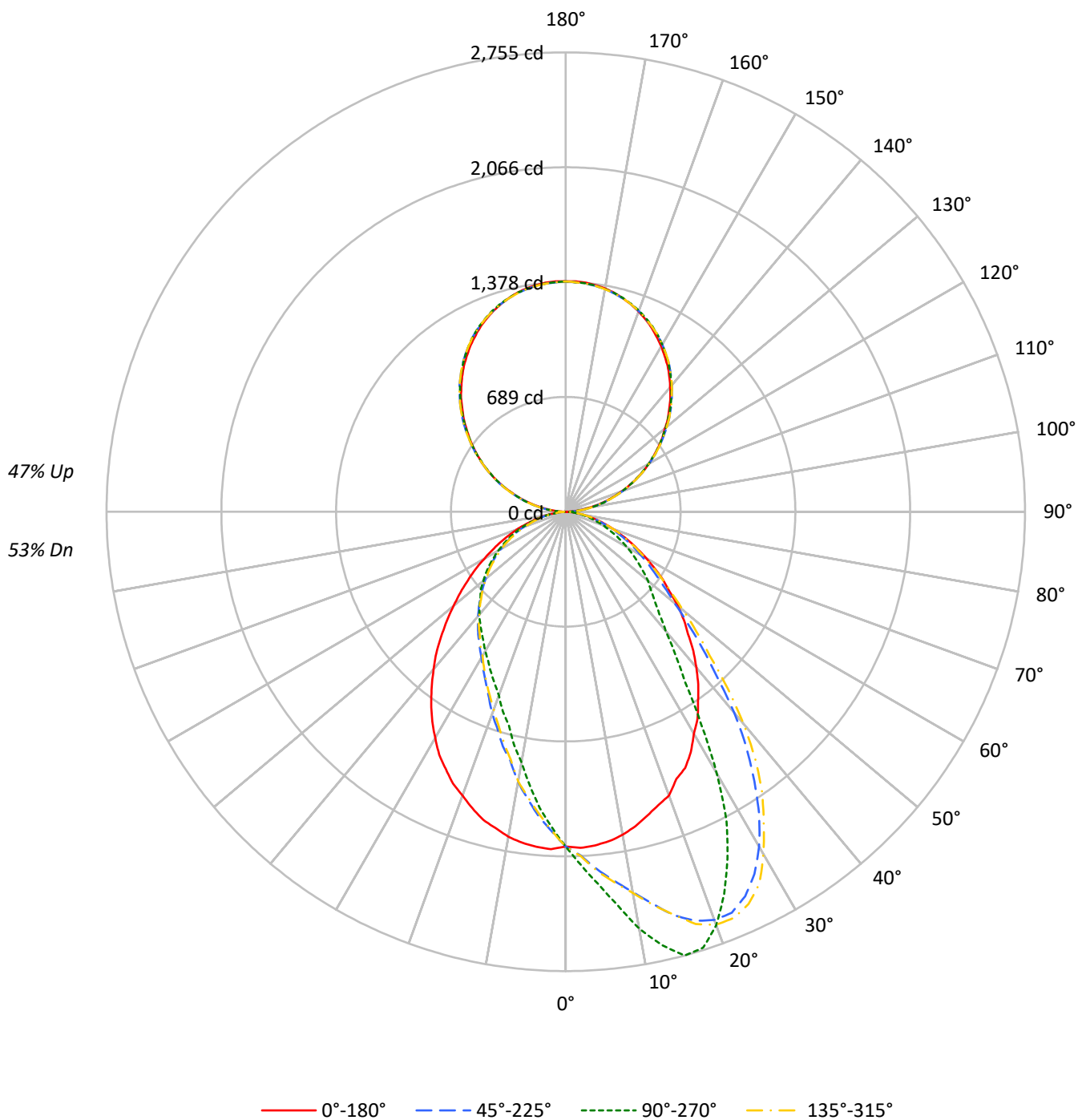
Lumens per Lamp: N/A
Luminaire Lumens: 8294.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59
1	99	95	91	88	92	88	85	82	76	73	71	64	62	61	53	52	51
2	91	83	78	73	84	78	73	68	67	63	60	57	54	52	47	46	44
3	83	74	67	61	77	69	63	58	59	55	51	51	47	44	43	40	38
4	76	66	58	52	70	61	55	49	53	48	44	45	42	38	38	35	33
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29
6	65	53	45	39	60	50	43	37	43	38	34	37	33	30	32	29	26
7	60	48	40	35	56	45	38	33	39	34	30	34	30	27	29	26	23
8	56	44	36	31	52	41	34	30	36	31	27	31	27	24	27	24	21
9	52	40	33	28	48	38	31	27	33	28	24	29	25	22	25	22	19
10	49	37	30	25	45	35	28	24	31	25	22	27	23	20	23	20	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31769	31769	31769	31769
5°	31845	33874	31967	26949
10°	31476	36978	31673	22219
15°	30711	39004	31139	18715
20°	30233	36622	30233	16267
25°	29270	31461	29403	14546
30°	27685	24732	28213	13176
35°	26279	17101	26719	12055
40°	24665	12912	24947	11162
45°	22674	10611	23046	10198
50°	20953	9313	20991	9335
55°	18991	7935	19113	8399
60°	16899	6629	17133	7330
65°	15027	5391	15300	6259
70°	13161	4230	13494	5049
75°	11048	3070	11479	3662
80°	8622	1947	9237	2174
85°	5664	981	6102	727

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 32840 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	2.3
10°-20°	556.4	6.7
20°-30°	807.5	9.7
30°-40°	851.2	10.3
40°-50°	753.3	9.1
50°-60°	601.5	7.3
60°-70°	408.5	4.9
70°-80°	209.0	2.5
80°-90°	53.3	0.6
90°-100°	85.5	1.0
100°-110°	271.7	3.3
110°-120°	464.8	5.6
120°-130°	611.3	7.4
130°-140°	686.2	8.3
140°-150°	672.9	8.1
150°-160°	564.5	6.8
160°-170°	374.4	4.5
170°-180°	130.8	1.6
0°-30°	1555.0	18.7
0°-40°	2406.3	29.0
0°-60°	3761.0	45.3
0°-90°	4431.9	53.4
90°-120°	822.0	9.9
90°-150°	2792.4	33.7
90°-180°	3862.0	46.6
0°-180°	8294.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2007	2007	2007	2007	2007	
5°	2008	2242	2016	1783	2008	190
15°	1887	2755	1913	1322	1887	533
25°	1695	2295	1703	1061	1695	775
35°	1384	1250	1407	881	1384	866
45°	1038	753	1055	724	1038	805
55°	713	529	717	560	713	636
65°	423	326	430	378	423	420
75°	198	160	205	191	198	212
85°	40	42	43	31	40	47
90°	1	40	1	40	1	6
95°	61	72	61	72	61	68
105°	251	259	251	259	251	265
115°	466	466	466	466	466	461
125°	678	681	678	681	678	606
135°	878	888	878	888	878	678
145°	1066	1077	1066	1077	1066	666
155°	1218	1228	1218	1228	1218	561
165°	1325	1327	1325	1327	1325	374
175°	1379	1374	1379	1374	1379	131
180°	1381	1381	1381	1381	1381	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2017.8	2022.4	2030.1	2031.7	2047.1	2059.4	2073.3	2073.3	2077.9	2076.4	2064.1
5°	2008.5	2022.4	2042.5	2059.4	2087.2	2099.5	2118.0	2131.9	2144.3	2153.5	2152.0
7.5°	1993.1	2017.8	2047.1	2079.5	2116.5	2138.1	2164.3	2189.0	2206.0	2221.4	2232.2
10°	1966.9	2008.5	2048.6	2091.8	2139.6	2169.0	2199.8	2232.2	2258.4	2287.7	2315.5
12.5°	1931.4	1991.5	2040.9	2098.0	2156.6	2189.0	2238.4	2263.1	2314.0	2388.0	2408.1
15°	1886.6	1968.4	2014.7	2087.2	2164.3	2190.6	2258.4	2298.5	2403.4	2449.7	2505.2
17.5°	1845.0	1936.0	1997.7	2081.0	2156.6	2207.5	2273.9	2355.6	2443.5	2509.9	2571.6
20°	1811.1	1899.0	1973.0	2065.6	2161.2	2226.0	2295.4	2394.2	2489.8	2557.7	2605.5
22.5°	1733.9	1846.5	1932.9	2036.3	2152.0	2241.5	2307.8	2415.8	2519.1	2560.8	2602.4
25°	1695.4	1792.5	1892.8	2010.1	2145.8	2252.3	2309.3	2429.7	2520.7	2536.1	2545.4
27.5°	1624.4	1733.9	1851.2	1985.4	2144.3	2233.7	2306.2	2415.8	2488.3	2477.5	2449.7
30°	1536.5	1670.7	1800.3	1945.3	2122.7	2219.9	2287.7	2388.0	2425.0	2369.5	2320.1
32.5°	1471.7	1598.2	1741.6	1909.8	2098.0	2190.6	2256.9	2335.6	2343.3	2243.0	2159.7
35°	1383.7	1524.1	1686.1	1863.5	2056.3	2139.6	2201.3	2249.2	2212.1	2071.8	1973.0
37.5°	1305.1	1443.9	1616.7	1797.2	1999.3	2081.0	2130.4	2138.1	2047.1	1923.7	1778.7
40°	1218.7	1362.2	1542.6	1732.4	1936.0	2007.0	2037.8	2014.7	1883.6	1740.1	1572.0
42.5°	1132.3	1274.2	1468.6	1663.0	1855.8	1916.0	1928.3	1865.1	1704.6	1536.5	1342.1
45°	1038.2	1186.3	1380.7	1576.6	1763.2	1797.2	1798.7	1707.7	1518.0	1342.1	1161.6
47.5°	961.1	1098.4	1291.2	1487.1	1644.5	1667.6	1658.3	1553.4	1346.7	1149.3	991.9
50°	876.2	1007.3	1198.6	1391.5	1525.7	1531.8	1508.7	1359.1	1157.0	976.5	851.5
52.5°	785.2	917.9	1093.7	1278.8	1399.2	1389.9	1345.2	1184.7	995.0	845.4	749.7
55°	712.7	829.9	995.0	1175.5	1260.3	1234.1	1184.7	1021.2	871.6	745.1	661.8
57.5°	632.5	735.8	897.8	1055.2	1104.5	1079.8	1030.5	877.8	738.9	643.3	587.7
60°	556.9	651.0	792.9	924.0	962.6	936.4	879.3	742.0	641.7	561.5	519.9
62.5°	487.5	569.2	688.0	808.3	823.8	797.5	748.2	637.1	550.7	487.5	456.6
65°	422.7	499.8	595.5	686.5	700.4	672.6	621.7	541.5	469.0	428.9	399.5
67.5°	359.4	421.1	506.0	572.3	580.0	553.8	512.2	447.4	402.6	359.4	337.8
70°	303.9	350.2	416.5	470.5	473.6	448.9	427.3	368.7	334.8	303.9	286.9
72.5°	249.9	282.3	333.2	373.3	374.9	359.4	339.4	302.4	273.0	251.5	234.5
75°	197.5	225.2	256.1	291.6	290.0	277.7	262.2	239.1	214.4	200.5	192.8
77.5°	151.2	168.1	192.8	216.0	216.0	209.8	200.5	183.6	168.1	154.3	146.6
80°	108.0	118.8	138.8	146.6	149.6	148.1	140.4	128.0	121.9	111.1	108.0
82.5°	69.4	77.1	86.4	94.1	98.7	95.6	94.1	87.9	78.7	75.6	72.5
85°	40.1	43.2	47.8	52.4	54.0	52.4	55.5	50.9	46.3	46.3	44.7
87.5°	17.0	18.5	21.6	21.6	23.1	23.1	21.6	23.1	23.1	21.6	20.1
90°	1.2	4.3	7.4	10.5	13.6	15.2	18.0	23.7	29.4	35.1	40.8
92.5°	25.6	27.7	29.8	31.9	34.0	35.0	35.1	35.4	35.6	35.9	36.1
95°	60.6	63.2	65.8	68.4	71.0	72.3	72.6	73.1	73.6	74.1	74.6
97.5°	101.4	103.7	106.1	108.4	110.7	111.9	112.4	113.5	114.5	115.6	116.6
100°	148.0	150.1	152.2	154.3	156.4	157.4	157.8	158.6	159.3	160.1	160.9
102.5°	197.0	198.6	200.1	201.7	203.2	204.0	204.5	205.6	206.6	207.7	208.7
105°	250.6	251.4	252.2	252.9	253.7	254.1	254.4	254.9	255.4	256.0	256.5
107.5°	304.3	305.3	306.3	307.4	308.4	308.9	308.9	308.9	308.9	308.9	308.9
110°	355.5	357.1	358.6	360.2	361.7	362.5	362.5	362.5	362.5	362.5	362.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	411.5	413.1	414.6	416.2	417.7	418.5	418.4	418.1	417.8	417.6	417.3
115°	466.3	467.9	469.4	471.0	472.5	473.3	473.0	472.5	472.0	471.5	471.0
117.5°	521.1	523.2	525.2	527.3	529.4	530.4	529.8	528.5	527.2	525.9	524.6
120°	575.9	578.0	580.0	582.1	584.2	585.2	584.2	582.1	580.0	578.0	575.9
122.5°	626.0	628.6	631.2	633.7	636.3	637.6	637.0	635.7	634.4	633.1	631.8
125°	678.4	680.7	683.1	685.4	687.7	688.9	688.5	687.7	687.0	686.2	685.4
127.5°	729.7	732.6	735.4	738.3	741.2	742.6	742.1	741.0	740.0	738.9	737.9
130°	777.5	780.9	784.3	787.6	791.0	792.7	792.4	791.9	791.4	790.9	790.4
132.5°	831.2	833.8	836.4	838.9	841.5	842.8	842.9	843.2	843.5	843.7	844.0
135°	877.8	880.6	883.5	886.3	889.2	890.6	890.9	891.4	891.9	892.4	892.9
137.5°	929.1	931.4	933.8	936.1	938.4	939.6	939.9	940.4	940.9	941.4	941.9
140°	974.5	976.8	979.2	981.5	983.8	985.0	985.7	987.0	988.3	989.6	990.9
142.5°	1021.2	1023.5	1025.9	1028.2	1030.5	1031.7	1032.1	1032.9	1033.6	1034.4	1035.2
145°	1065.5	1067.3	1069.1	1070.9	1072.7	1073.6	1074.4	1075.9	1077.5	1079.0	1080.6
147.5°	1105.1	1107.4	1109.8	1112.1	1114.4	1115.6	1116.1	1117.2	1118.2	1119.3	1120.3
150°	1145.9	1147.5	1149.0	1150.6	1152.1	1152.9	1153.4	1154.5	1155.5	1156.6	1157.6
152.5°	1182.0	1183.6	1185.1	1186.7	1188.2	1189.0	1189.7	1191.0	1192.3	1193.6	1194.9
155°	1218.2	1219.0	1219.8	1220.5	1221.3	1221.7	1222.1	1222.9	1223.6	1224.4	1225.2
157.5°	1249.7	1250.2	1250.7	1251.2	1251.7	1252.0	1252.3	1252.8	1253.3	1253.8	1254.3
160°	1277.6	1278.1	1278.7	1279.2	1279.7	1280.0	1280.1	1280.4	1280.6	1280.9	1281.1
162.5°	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.4	1303.7	1303.9	1304.2	1304.4
165°	1325.4	1325.2	1324.9	1324.7	1324.4	1324.3	1324.3	1324.3	1324.3	1324.3	1324.3
167.5°	1345.2	1344.4	1343.6	1342.9	1342.1	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7
170°	1360.4	1359.6	1358.8	1358.1	1357.3	1356.9	1356.8	1356.5	1356.2	1356.0	1355.7
172.5°	1370.9	1370.1	1369.3	1368.6	1367.8	1367.4	1367.3	1367.0	1366.7	1366.5	1366.2
175°	1379.0	1378.2	1377.4	1376.7	1375.9	1375.5	1375.2	1374.7	1374.2	1373.7	1373.2
177.5°	1383.7	1382.9	1382.1	1381.4	1380.6	1380.2	1379.9	1379.4	1378.9	1378.4	1377.9
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2085.7	2087.2	2090.3	2105.7	2113.4	2115.0	2108.8	2122.7	2127.3	2122.7	2119.6
5°	2184.4	2193.6	2212.1	2232.2	2230.7	2232.2	2241.5	2250.7	2253.8	2241.5	2246.1
7.5°	2270.8	2289.3	2309.3	2340.2	2340.2	2355.6	2361.8	2369.5	2388.0	2378.8	2375.7
10°	2369.5	2394.2	2431.2	2480.6	2482.1	2497.5	2513.0	2537.6	2545.4	2539.2	2542.3
12.5°	2492.9	2540.7	2543.8	2597.8	2622.5	2625.6	2650.3	2645.6	2661.1	2661.1	2687.3
15°	2546.9	2620.9	2662.6	2715.0	2730.5	2712.0	2732.0	2753.6	2755.2	2755.2	2753.6
17.5°	2644.1	2673.4	2715.0	2742.8	2749.0	2749.0	2750.5	2759.8	2753.6	2741.3	2750.5
20°	2664.1	2676.5	2691.9	2688.8	2691.9	2676.5	2661.1	2645.6	2647.2	2639.5	2662.6
22.5°	2627.1	2624.0	2588.6	2565.4	2565.4	2534.6	2505.2	2491.4	2477.5	2482.1	2489.8
25°	2534.6	2486.7	2443.5	2409.6	2401.9	2352.5	2312.4	2300.1	2276.9	2295.4	2298.5
27.5°	2386.5	2332.5	2263.1	2233.7	2193.6	2173.6	2145.8	2108.8	2061.0	2088.7	2084.1
30°	2227.6	2147.4	2090.3	2019.3	1956.1	1951.4	1899.0	1837.3	1812.6	1812.6	1826.5
32.5°	2050.2	1943.7	1860.4	1760.2	1698.4	1672.2	1609.0	1547.3	1561.2	1514.9	1531.8
35°	1843.5	1703.1	1598.2	1501.0	1454.7	1423.9	1342.1	1308.2	1271.1	1249.5	1289.6
37.5°	1646.0	1484.0	1349.8	1243.4	1226.4	1170.9	1115.3	1093.7	1072.1	1081.4	1079.8
40°	1405.3	1261.9	1141.6	1058.3	1028.9	1002.7	965.7	939.5	925.6	933.3	934.8
42.5°	1187.8	1067.5	978.0	919.4	894.7	876.2	857.7	836.1	831.5	831.5	837.7
45°	1019.7	921.0	860.8	813.0	799.1	785.2	771.3	762.1	759.0	752.8	757.4
47.5°	885.5	806.8	769.8	734.3	718.9	715.8	703.4	698.8	692.6	691.1	692.6
50°	772.9	723.5	689.6	669.5	658.7	654.1	647.9	638.7	635.6	643.3	640.2
52.5°	694.2	647.9	629.4	609.3	603.2	597.0	587.7	589.3	587.7	584.7	584.7
55°	615.5	586.2	567.7	552.3	550.7	544.6	536.8	533.8	532.2	529.1	533.8
57.5°	552.3	529.1	512.2	498.3	492.1	492.1	484.4	478.2	478.2	476.7	478.2
60°	489.0	465.9	455.1	441.2	436.6	435.0	430.4	427.3	422.7	422.7	422.7
62.5°	430.4	411.9	399.5	387.2	388.7	381.0	374.9	371.8	371.8	373.3	373.3
65°	374.9	362.5	347.1	336.3	333.2	331.7	328.6	327.0	322.4	325.5	325.5
67.5°	324.0	307.0	297.7	293.1	288.5	286.9	283.8	280.8	279.2	277.7	280.8
70°	273.0	259.2	251.5	248.4	243.7	242.2	240.7	236.0	237.6	239.1	240.7
72.5°	226.8	214.4	212.9	203.6	203.6	203.6	197.5	200.5	199.0	195.9	199.0
75°	178.9	172.8	169.7	165.1	166.6	165.1	163.5	158.9	158.9	160.4	162.0
77.5°	141.9	135.8	134.2	129.6	126.5	129.6	126.5	125.0	125.0	126.5	126.5
80°	104.9	101.8	97.2	97.2	97.2	95.6	95.6	95.6	94.1	92.6	94.1
82.5°	69.4	69.4	67.9	66.3	67.9	64.8	66.3	66.3	66.3	66.3	66.3
85°	44.7	43.2	43.2	41.7	41.7	41.7	43.2	40.1	40.1	41.7	41.7
87.5°	20.1	20.1	20.1	21.6	20.1	20.1	20.1	21.6	20.1	20.1	20.1
90°	40.3	39.8	39.3	38.8	38.5	38.6	38.9	39.1	39.4	39.6	39.4
92.5°	36.4	36.6	36.9	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3
95°	74.6	74.6	74.6	74.6	74.6	74.3	73.8	73.3	72.8	72.3	72.8
97.5°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
100°	160.9	160.9	160.9	160.9	160.9	160.8	160.5	160.2	160.0	159.7	160.0
102.5°	208.9	209.2	209.4	209.7	209.8	209.7	209.4	209.2	208.9	208.7	208.9
105°	257.0	257.5	258.0	258.5	258.8	258.8	258.8	258.8	258.8	258.8	258.8
107.5°	309.2	309.4	309.7	310.0	310.1	309.5	308.2	306.9	305.6	304.3	305.6
110°	362.5	362.5	362.5	362.5	362.5	362.1	361.3	360.6	359.8	359.0	359.8

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	416.5	415.7	415.0	414.2	413.8	413.5	413.0	412.5	412.0	411.5	412.0
115°	470.7	470.5	470.2	469.9	469.8	469.4	468.6	467.9	467.1	466.3	467.1
117.5°	523.8	523.0	522.3	521.5	521.1	520.7	519.9	519.2	518.4	517.6	518.4
120°	575.9	575.9	575.9	575.9	575.9	575.5	574.7	574.0	573.2	572.4	573.2
122.5°	631.0	630.2	629.5	628.7	628.3	628.0	627.5	627.0	626.5	626.0	626.5
125°	684.6	683.8	683.1	682.3	681.9	681.8	681.5	681.3	681.0	680.8	681.0
127.5°	736.9	735.8	734.8	733.7	733.2	732.8	732.0	731.3	730.5	729.7	730.5
130°	789.9	789.3	788.8	788.3	788.0	787.5	786.5	785.4	784.4	783.4	784.4
132.5°	842.7	841.4	840.1	838.8	838.2	837.8	837.0	836.3	835.5	834.7	835.5
135°	892.7	892.4	892.2	891.9	891.8	891.4	890.6	889.9	889.1	888.3	889.1
137.5°	941.6	941.4	941.1	940.8	940.7	940.2	939.2	938.1	937.1	936.1	937.1
140°	990.9	990.9	990.9	990.9	990.9	990.4	989.3	988.3	987.2	986.2	987.2
142.5°	1035.4	1035.7	1035.9	1036.2	1036.3	1035.8	1034.8	1033.7	1032.7	1031.7	1032.7
145°	1080.9	1081.1	1081.4	1081.7	1081.8	1081.3	1080.2	1079.2	1078.1	1077.1	1078.1
147.5°	1120.8	1121.3	1121.8	1122.3	1122.6	1122.1	1121.0	1120.0	1118.9	1117.9	1118.9
150°	1158.4	1159.2	1159.9	1160.7	1161.1	1160.7	1159.9	1159.2	1158.4	1157.6	1158.4
152.5°	1195.9	1196.9	1198.0	1199.0	1199.5	1199.0	1198.0	1196.9	1195.9	1194.9	1195.9
155°	1226.5	1227.8	1229.1	1230.4	1231.0	1230.6	1229.8	1229.1	1228.3	1227.5	1228.3
157.5°	1256.1	1257.9	1259.8	1261.6	1262.5	1261.8	1260.5	1259.2	1257.9	1256.6	1257.9
160°	1282.7	1284.2	1285.8	1287.3	1288.1	1287.6	1286.6	1285.5	1284.5	1283.5	1284.5
162.5°	1306.2	1308.0	1309.9	1311.7	1312.6	1312.0	1310.7	1309.4	1308.1	1306.8	1308.1
165°	1326.1	1327.9	1329.7	1331.5	1332.4	1331.8	1330.5	1329.2	1327.9	1326.6	1327.9
167.5°	1343.5	1345.3	1347.2	1349.0	1349.9	1349.3	1348.0	1346.7	1345.4	1344.1	1345.4
170°	1357.5	1359.3	1361.2	1363.0	1363.9	1363.1	1361.6	1360.0	1358.5	1356.9	1358.5
172.5°	1368.0	1369.8	1371.7	1373.5	1374.4	1373.6	1372.1	1370.5	1369.0	1367.4	1369.0
175°	1375.0	1376.8	1378.7	1380.5	1381.4	1380.6	1379.1	1377.5	1376.0	1374.4	1376.0
177.5°	1379.5	1381.0	1382.6	1384.1	1384.9	1384.1	1382.6	1381.0	1379.5	1377.9	1379.5
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2127.3	2116.5	2107.2	2108.8	2116.5	2110.3	2094.9	2074.9	2067.1	2057.9	2067.1
5°	2255.3	2246.1	2227.6	2229.1	2224.5	2218.3	2193.6	2162.8	2162.8	2138.1	2135.0
7.5°	2381.8	2368.0	2355.6	2352.5	2335.6	2323.2	2301.6	2258.4	2241.5	2212.1	2195.2
10°	2523.8	2513.0	2499.1	2482.1	2472.9	2451.3	2415.8	2352.5	2321.7	2281.6	2252.3
12.5°	2667.2	2665.7	2634.8	2600.9	2599.3	2565.4	2540.7	2455.9	2414.2	2360.2	2290.8
15°	2758.2	2750.5	2733.6	2716.6	2721.2	2684.2	2628.7	2528.4	2500.6	2435.8	2361.8
17.5°	2756.7	2756.7	2752.1	2749.0	2744.4	2733.6	2702.7	2636.4	2591.6	2509.9	2440.5
20°	2668.8	2688.8	2693.5	2691.9	2707.3	2715.0	2713.5	2671.9	2636.4	2563.9	2492.9
22.5°	2492.9	2539.2	2559.2	2571.6	2604.0	2620.9	2661.1	2645.6	2636.4	2582.4	2522.2
25°	2329.4	2344.8	2405.0	2408.1	2452.8	2494.5	2534.6	2560.8	2594.7	2574.7	2523.8
27.5°	2118.0	2153.5	2196.7	2229.1	2238.4	2323.2	2389.6	2438.9	2516.0	2522.2	2505.2
30°	1878.9	1895.9	1966.9	2010.1	2059.4	2121.1	2216.8	2301.6	2371.0	2434.3	2455.9
32.5°	1587.4	1656.8	1698.4	1750.9	1794.1	1903.6	2020.9	2130.4	2210.6	2317.0	2363.3
35°	1320.5	1374.5	1445.5	1467.1	1545.7	1638.3	1791.0	1931.4	2053.3	2161.2	2255.3
37.5°	1099.9	1143.1	1218.7	1252.6	1298.9	1417.7	1545.7	1720.0	1866.6	1999.3	2116.5
40°	948.7	981.1	1038.2	1049.0	1087.6	1195.5	1298.9	1462.4	1656.8	1835.7	1963.8
42.5°	845.4	860.8	899.4	913.2	937.9	1010.4	1103.0	1257.3	1437.7	1622.9	1803.3
45°	771.3	782.1	805.3	817.6	848.5	880.8	956.4	1079.8	1221.8	1408.4	1602.8
47.5°	705.0	718.9	728.1	735.8	752.8	788.3	837.7	928.7	1064.4	1235.7	1423.9
50°	649.5	654.1	671.0	672.6	683.4	706.5	752.8	808.3	916.3	1055.2	1237.2
52.5°	593.9	598.5	609.3	620.1	624.8	643.3	674.1	720.4	800.6	910.2	1072.1
55°	538.4	544.6	555.4	563.1	567.7	583.1	601.6	646.4	709.6	786.7	919.4
57.5°	482.8	496.7	499.8	504.4	512.2	529.1	546.1	572.3	621.7	692.6	789.8
60°	430.4	435.0	445.8	450.5	458.2	467.4	489.0	509.1	544.6	600.1	688.0
62.5°	376.4	387.2	391.8	396.5	402.6	413.4	427.3	448.9	479.8	524.5	593.9
65°	330.1	331.7	340.9	347.1	353.3	361.0	374.9	394.9	413.4	455.1	506.0
67.5°	285.4	288.5	291.6	297.7	305.4	313.2	325.5	336.3	359.4	387.2	427.3
70°	242.2	242.2	249.9	254.5	253.0	262.2	271.5	283.8	300.8	327.0	359.4
72.5°	203.6	202.1	208.3	209.8	212.9	219.1	225.2	237.6	246.8	266.9	291.6
75°	162.0	165.1	168.1	168.1	172.8	177.4	183.6	189.7	200.5	212.9	231.4
77.5°	128.0	128.0	131.1	132.7	137.3	135.8	141.9	148.1	155.8	166.6	180.5
80°	94.1	97.2	97.2	97.2	98.7	100.3	106.4	111.1	115.7	123.4	129.6
82.5°	66.3	66.3	69.4	69.4	69.4	72.5	72.5	74.0	77.1	81.8	86.4
85°	41.7	41.7	41.7	43.2	41.7	43.2	46.3	44.7	46.3	49.4	49.4
87.5°	20.1	20.1	20.1	20.1	20.1	21.6	20.1	21.6	23.1	23.1	23.1
90°	39.1	38.9	38.6	38.5	38.8	39.3	39.8	40.3	40.8	35.1	29.4
92.5°	37.3	37.3	37.3	37.3	37.2	36.9	36.6	36.4	36.1	35.9	35.6
95°	73.3	73.8	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.1	73.6
97.5°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	115.6	114.5
100°	160.2	160.5	160.8	160.9	160.9	160.9	160.9	160.9	160.9	160.1	159.3
102.5°	209.2	209.4	209.7	209.8	209.7	209.4	209.2	208.9	208.7	207.7	206.6
105°	258.8	258.8	258.8	258.8	258.5	258.0	257.5	257.0	256.5	256.0	255.4
107.5°	306.9	308.2	309.5	310.1	310.0	309.7	309.4	309.2	308.9	308.9	308.9
110°	360.6	361.3	362.1	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	412.5	413.0	413.5	413.8	414.2	415.0	415.7	416.5	417.3	417.6	417.8
115°	467.9	468.6	469.4	469.8	469.9	470.2	470.5	470.7	471.0	471.5	472.0
117.5°	519.2	519.9	520.7	521.1	521.5	522.3	523.0	523.8	524.6	525.9	527.2
120°	574.0	574.7	575.5	575.9	575.9	575.9	575.9	575.9	575.9	578.0	580.0
122.5°	627.0	627.5	628.0	628.3	628.7	629.5	630.2	631.0	631.8	633.1	634.4
125°	681.3	681.5	681.8	681.9	682.3	683.1	683.8	684.6	685.4	686.2	687.0
127.5°	731.3	732.0	732.8	733.2	733.7	734.8	735.8	736.9	737.9	738.9	740.0
130°	785.4	786.5	787.5	788.0	788.3	788.8	789.3	789.9	790.4	790.9	791.4
132.5°	836.3	837.0	837.8	838.2	838.8	840.1	841.4	842.7	844.0	843.7	843.5
135°	889.9	890.6	891.4	891.8	891.9	892.2	892.4	892.7	892.9	892.4	891.9
137.5°	938.1	939.2	940.2	940.7	940.8	941.1	941.4	941.6	941.9	941.4	940.9
140°	988.3	989.3	990.4	990.9	990.9	990.9	990.9	990.9	990.9	989.6	988.3
142.5°	1033.7	1034.8	1035.8	1036.3	1036.2	1035.9	1035.7	1035.4	1035.2	1034.4	1033.6
145°	1079.2	1080.2	1081.3	1081.8	1081.7	1081.4	1081.1	1080.9	1080.6	1079.0	1077.5
147.5°	1120.0	1121.0	1122.1	1122.6	1122.3	1121.8	1121.3	1120.8	1120.3	1119.3	1118.2
150°	1159.2	1159.9	1160.7	1161.1	1160.7	1159.9	1159.2	1158.4	1157.6	1156.6	1155.5
152.5°	1196.9	1198.0	1199.0	1199.5	1199.0	1198.0	1196.9	1195.9	1194.9	1193.6	1192.3
155°	1229.1	1229.8	1230.6	1231.0	1230.4	1229.1	1227.8	1226.5	1225.2	1224.4	1223.6
157.5°	1259.2	1260.5	1261.8	1262.5	1261.6	1259.8	1257.9	1256.1	1254.3	1253.8	1253.3
160°	1285.5	1286.6	1287.6	1288.1	1287.3	1285.8	1284.2	1282.7	1281.1	1280.9	1280.6
162.5°	1309.4	1310.7	1312.0	1312.6	1311.7	1309.9	1308.0	1306.2	1304.4	1304.2	1303.9
165°	1329.2	1330.5	1331.8	1332.4	1331.5	1329.7	1327.9	1326.1	1324.3	1324.3	1324.3
167.5°	1346.7	1348.0	1349.3	1349.9	1349.0	1347.2	1345.3	1343.5	1341.7	1341.7	1341.7
170°	1360.0	1361.6	1363.1	1363.9	1363.0	1361.2	1359.3	1357.5	1355.7	1356.0	1356.2
172.5°	1370.5	1372.1	1373.6	1374.4	1373.5	1371.7	1369.8	1368.0	1366.2	1366.5	1366.7
175°	1377.5	1379.1	1380.6	1381.4	1380.5	1378.7	1376.8	1375.0	1373.2	1373.7	1374.2
177.5°	1381.0	1382.6	1384.1	1384.9	1384.1	1382.6	1381.0	1379.5	1377.9	1378.4	1378.9
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	2059.4	2051.7	2047.1	2050.2	2040.9	2017.8	2017.8	2025.5	2016.2	2007.0	1993.1
5°	2116.5	2101.1	2091.8	2090.3	2068.7	2031.7	2023.9	2016.2	1996.2	1974.6	1951.4
7.5°	2172.0	2144.3	2128.8	2118.0	2087.2	2039.4	2019.3	2002.3	1970.0	1937.6	1908.2
10°	2218.3	2178.2	2159.7	2142.7	2102.6	2042.5	2010.1	1979.2	1937.6	1895.9	1858.9
12.5°	2255.3	2209.1	2185.9	2161.2	2111.9	2033.2	1993.1	1943.7	1902.1	1846.5	1809.5
15°	2317.0	2221.4	2199.8	2176.7	2125.8	2017.8	1968.4	1912.9	1855.8	1781.8	1741.6
17.5°	2366.4	2238.4	2236.8	2187.5	2121.1	2011.6	1936.0	1863.5	1801.8	1727.8	1664.5
20°	2395.7	2264.6	2239.9	2189.0	2105.7	1970.0	1891.3	1811.1	1744.7	1655.3	1592.0
22.5°	2420.4	2301.6	2236.8	2175.1	2073.3	1956.1	1840.4	1764.8	1673.8	1576.6	1516.4
25°	2429.7	2309.3	2241.5	2170.5	2050.2	1916.0	1784.8	1703.1	1601.3	1513.3	1431.6
27.5°	2431.2	2307.8	2224.5	2150.4	2017.8	1863.5	1729.3	1642.9	1530.3	1428.5	1346.7
30°	2415.8	2290.8	2215.2	2135.0	1986.9	1815.7	1661.4	1565.8	1445.5	1343.6	1258.8
32.5°	2369.5	2256.9	2195.2	2107.2	1946.8	1749.4	1596.6	1490.2	1363.7	1263.4	1181.7
35°	2292.4	2215.2	2147.4	2065.6	1894.4	1687.6	1531.8	1406.9	1278.8	1183.2	1106.1
37.5°	2196.7	2155.1	2091.8	2011.6	1834.2	1632.1	1459.3	1320.5	1192.5	1099.9	1024.3
40°	2067.1	2077.9	2016.2	1943.7	1763.2	1556.5	1365.2	1232.6	1112.2	1025.9	951.8
42.5°	1926.8	1971.5	1936.0	1866.6	1684.6	1473.2	1295.8	1149.3	1032.0	942.6	880.8
45°	1775.6	1852.7	1831.1	1780.2	1602.8	1385.3	1197.1	1055.2	951.8	865.4	811.4
47.5°	1610.5	1720.0	1720.0	1683.0	1511.8	1297.4	1112.2	967.2	865.4	803.7	751.3
50°	1442.4	1565.8	1585.8	1561.2	1410.0	1197.1	1008.9	877.8	789.8	729.7	691.1
52.5°	1266.5	1410.0	1447.0	1434.7	1302.0	1101.4	924.0	796.0	715.8	663.3	629.4
55°	1098.4	1265.0	1305.1	1309.7	1186.3	996.5	829.9	717.3	640.2	604.7	575.4
57.5°	939.5	1099.9	1144.6	1152.4	1069.1	900.9	742.0	643.3	573.9	544.6	521.4
60°	803.7	937.9	996.5	1013.5	941.0	789.8	660.3	564.6	512.2	484.4	462.8
62.5°	692.6	800.6	862.3	867.0	834.6	692.6	575.4	495.2	450.5	425.8	415.0
65°	584.7	681.8	718.9	737.4	711.2	600.1	496.7	430.4	394.9	373.3	362.5
67.5°	498.3	560.0	590.8	615.5	589.3	506.0	422.7	368.7	342.5	320.9	314.7
70°	408.8	459.7	482.8	507.5	484.4	421.1	361.0	311.6	288.5	271.5	263.8
72.5°	327.0	367.1	388.7	404.2	390.3	337.8	288.5	254.5	237.6	225.2	220.6
75°	259.2	286.9	299.3	310.1	303.9	263.8	232.9	205.2	189.7	178.9	175.9
77.5°	197.5	217.5	231.4	234.5	226.8	200.5	174.3	157.3	145.0	138.8	135.8
80°	140.4	152.7	160.4	165.1	157.3	146.6	128.0	115.7	104.9	97.2	95.6
82.5°	94.1	100.3	106.4	104.9	101.8	92.6	81.8	75.6	71.0	64.8	64.8
85°	54.0	55.5	58.6	60.2	58.6	52.4	46.3	43.2	40.1	35.5	35.5
87.5°	23.1	24.7	24.7	26.2	23.1	23.1	20.1	17.0	17.0	15.4	13.9
90°	23.7	18.0	15.2	13.6	10.5	7.4	4.3	1.2	4.3	7.4	10.5
92.5°	35.4	35.1	35.0	34.0	31.9	29.8	27.7	25.6	27.7	29.8	31.9
95°	73.1	72.6	72.3	71.0	68.4	65.8	63.2	60.6	63.2	65.8	68.4
97.5°	113.5	112.4	111.9	110.7	108.4	106.1	103.7	101.4	103.7	106.1	108.4
100°	158.6	157.8	157.4	156.4	154.3	152.2	150.1	148.0	150.1	152.2	154.3
102.5°	205.6	204.5	204.0	203.2	201.7	200.1	198.6	197.0	198.6	200.1	201.7
105°	254.9	254.4	254.1	253.7	252.9	252.2	251.4	250.6	251.4	252.2	252.9
107.5°	308.9	308.9	308.9	308.4	307.4	306.3	305.3	304.3	305.3	306.3	307.4
110°	362.5	362.5	362.5	361.7	360.2	358.6	357.1	355.5	357.1	358.6	360.2

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	418.1	418.4	418.5	417.7	416.2	414.6	413.1	411.5	413.1	414.6	416.2
115°	472.5	473.0	473.3	472.5	471.0	469.4	467.9	466.3	467.9	469.4	471.0
117.5°	528.5	529.8	530.4	529.4	527.3	525.2	523.2	521.1	523.2	525.2	527.3
120°	582.1	584.2	585.2	584.2	582.1	580.0	578.0	575.9	578.0	580.0	582.1
122.5°	635.7	637.0	637.6	636.3	633.7	631.2	628.6	626.0	628.6	631.2	633.7
125°	687.7	688.5	688.9	687.7	685.4	683.1	680.7	678.4	680.7	683.1	685.4
127.5°	741.0	742.1	742.6	741.2	738.3	735.4	732.6	729.7	732.6	735.4	738.3
130°	791.9	792.4	792.7	791.0	787.6	784.3	780.9	777.5	780.9	784.3	787.6
132.5°	843.2	842.9	842.8	841.5	838.9	836.4	833.8	831.2	833.8	836.4	838.9
135°	891.4	890.9	890.6	889.2	886.3	883.5	880.6	877.8	880.6	883.5	886.3
137.5°	940.4	939.9	939.6	938.4	936.1	933.8	931.4	929.1	931.4	933.8	936.1
140°	987.0	985.7	985.0	983.8	981.5	979.2	976.8	974.5	976.8	979.2	981.5
142.5°	1032.9	1032.1	1031.7	1030.5	1028.2	1025.9	1023.5	1021.2	1023.5	1025.9	1028.2
145°	1075.9	1074.4	1073.6	1072.7	1070.9	1069.1	1067.3	1065.5	1067.3	1069.1	1070.9
147.5°	1117.2	1116.1	1115.6	1114.4	1112.1	1109.8	1107.4	1105.1	1107.4	1109.8	1112.1
150°	1154.5	1153.4	1152.9	1152.1	1150.6	1149.0	1147.5	1145.9	1147.5	1149.0	1150.6
152.5°	1191.0	1189.7	1189.0	1188.2	1186.7	1185.1	1183.6	1182.0	1183.6	1185.1	1186.7
155°	1222.9	1222.1	1221.7	1221.3	1220.5	1219.8	1219.0	1218.2	1219.0	1219.8	1220.5
157.5°	1252.8	1252.3	1252.0	1251.7	1251.2	1250.7	1250.2	1249.7	1250.2	1250.7	1251.2
160°	1280.4	1280.1	1280.0	1279.7	1279.2	1278.7	1278.1	1277.6	1278.1	1278.7	1279.2
162.5°	1303.7	1303.4	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3	1303.3
165°	1324.3	1324.3	1324.3	1324.4	1324.7	1324.9	1325.2	1325.4	1325.2	1324.9	1324.7
167.5°	1341.7	1341.7	1341.7	1342.1	1342.9	1343.6	1344.4	1345.2	1344.4	1343.6	1342.9
170°	1356.5	1356.8	1356.9	1357.3	1358.1	1358.8	1359.6	1360.4	1359.6	1358.8	1358.1
172.5°	1367.0	1367.3	1367.4	1367.8	1368.6	1369.3	1370.1	1370.9	1370.1	1369.3	1368.6
175°	1374.7	1375.2	1375.5	1375.9	1376.7	1377.4	1378.2	1379.0	1378.2	1377.4	1376.7
177.5°	1379.4	1379.9	1380.2	1380.6	1381.4	1382.1	1382.9	1383.7	1382.9	1382.1	1381.4
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1985.4	1993.1	1991.5	1976.1	1959.2	1945.3	1919.0	1922.1	1912.9	1914.4	1923.7
5°	1936.0	1936.0	1929.8	1908.2	1880.5	1865.1	1835.7	1828.0	1809.5	1808.0	1806.4
7.5°	1883.6	1875.9	1868.1	1837.3	1803.3	1778.7	1738.6	1729.3	1710.8	1698.4	1692.3
10°	1821.9	1811.1	1795.6	1760.2	1718.5	1687.6	1646.0	1633.7	1598.2	1582.7	1573.5
12.5°	1754.0	1747.8	1723.1	1693.8	1625.9	1592.0	1531.8	1544.2	1508.7	1477.9	1473.2
15°	1686.1	1663.0	1649.1	1601.3	1519.5	1504.1	1456.3	1431.6	1399.2	1374.5	1374.5
17.5°	1619.8	1584.3	1553.4	1502.5	1442.4	1399.2	1363.7	1351.4	1311.2	1286.6	1281.9
20°	1531.8	1491.7	1484.0	1411.5	1369.9	1322.0	1288.1	1257.3	1227.9	1217.1	1209.4
22.5°	1448.5	1402.3	1389.9	1328.2	1286.6	1238.7	1204.8	1183.2	1161.6	1153.9	1140.0
25°	1359.1	1331.3	1312.8	1246.5	1200.2	1155.4	1132.3	1116.9	1096.8	1095.3	1086.0
27.5°	1272.7	1246.5	1227.9	1164.7	1130.8	1089.1	1070.6	1053.6	1042.8	1038.2	1033.6
30°	1198.6	1169.3	1147.7	1101.4	1059.8	1025.9	1010.4	999.6	993.5	985.7	984.2
32.5°	1116.9	1099.9	1070.6	1035.1	1002.7	970.3	961.1	953.4	944.1	941.0	939.5
35°	1047.5	1024.3	1005.8	965.7	951.8	924.0	913.2	907.1	894.7	891.6	888.6
37.5°	979.6	958.0	937.9	913.2	887.0	871.6	865.4	856.2	850.0	851.5	848.5
40°	911.7	894.7	879.3	853.1	837.7	829.9	817.6	808.3	805.3	806.8	805.3
42.5°	845.4	829.9	820.7	800.6	785.2	777.5	769.8	760.5	765.1	765.1	769.8
45°	785.2	771.3	765.1	749.7	740.5	728.1	720.4	718.9	725.0	723.5	723.5
47.5°	723.5	718.9	711.2	697.3	684.9	677.2	675.7	675.7	681.8	684.9	683.4
50°	675.7	666.4	657.2	646.4	637.1	634.0	629.4	632.5	638.7	638.7	641.7
52.5°	615.5	609.3	606.3	597.0	590.8	590.8	590.8	592.4	597.0	601.6	600.1
55°	563.1	558.4	555.4	550.7	543.0	544.6	543.0	546.1	550.7	555.4	558.4
57.5°	507.5	506.0	502.9	495.2	495.2	493.6	498.3	499.8	507.5	510.6	515.2
60°	458.2	453.5	453.5	447.4	447.4	447.4	452.0	456.6	462.8	464.3	467.4
62.5°	405.7	405.7	404.2	399.5	399.5	404.2	405.7	411.9	415.0	415.0	419.6
65°	356.4	354.8	353.3	354.8	356.4	356.4	361.0	364.1	367.1	368.7	370.2
67.5°	307.0	305.4	308.5	307.0	310.1	316.2	314.7	319.3	324.0	324.0	325.5
70°	260.7	263.8	262.2	265.3	263.8	266.9	271.5	273.0	273.0	274.6	279.2
72.5°	217.5	217.5	217.5	216.0	217.5	220.6	223.7	225.2	228.3	229.9	234.5
75°	175.9	175.9	172.8	175.9	175.9	178.9	182.0	182.0	182.0	185.1	189.7
77.5°	132.7	134.2	132.7	135.8	135.8	137.3	140.4	138.8	141.9	143.5	145.0
80°	97.2	95.6	95.6	95.6	97.2	97.2	100.3	101.8	101.8	106.4	103.4
82.5°	61.7	63.2	61.7	63.2	63.2	64.8	63.2	64.8	66.3	69.4	67.9
85°	35.5	33.9	33.9	35.5	33.9	33.9	35.5	33.9	35.5	33.9	35.5
87.5°	13.9	12.3	12.3	12.3	12.3	10.8	10.8	9.3	9.3	9.3	7.7
90°	13.6	15.2	18.0	23.7	29.4	35.1	40.8	40.3	39.8	39.3	38.8
92.5°	34.0	35.0	35.1	35.4	35.6	35.9	36.1	36.4	36.6	36.9	37.2
95°	71.0	72.3	72.6	73.1	73.6	74.1	74.6	74.6	74.6	74.6	74.6
97.5°	110.7	111.9	112.4	113.5	114.5	115.6	116.6	116.6	116.6	116.6	116.6
100°	156.4	157.4	157.8	158.6	159.3	160.1	160.9	160.9	160.9	160.9	160.9
102.5°	203.2	204.0	204.5	205.6	206.6	207.7	208.7	208.9	209.2	209.4	209.7
105°	253.7	254.1	254.4	254.9	255.4	256.0	256.5	257.0	257.5	258.0	258.5
107.5°	308.4	308.9	308.9	308.9	308.9	308.9	308.9	309.2	309.4	309.7	310.0
110°	361.7	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5

TEST NUMBER: P997818

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	417.7	418.5	418.4	418.1	417.8	417.6	417.3	416.5	415.7	415.0	414.2
115°	472.5	473.3	473.0	472.5	472.0	471.5	471.0	470.7	470.5	470.2	469.9
117.5°	529.4	530.4	529.8	528.5	527.2	525.9	524.6	523.8	523.0	522.3	521.5
120°	584.2	585.2	584.2	582.1	580.0	578.0	575.9	575.9	575.9	575.9	575.9
122.5°	636.3	637.6	637.0	635.7	634.4	633.1	631.8	631.0	630.2	629.5	628.7
125°	687.7	688.9	688.5	687.7	687.0	686.2	685.4	684.6	683.8	683.1	682.3
127.5°	741.2	742.6	742.1	741.0	740.0	738.9	737.9	736.9	735.8	734.8	733.7
130°	791.0	792.7	792.4	791.9	791.4	790.9	790.4	789.9	789.3	788.8	788.3
132.5°	841.5	842.8	842.9	843.2	843.5	843.7	844.0	842.7	841.4	840.1	838.8
135°	889.2	890.6	890.9	891.4	891.9	892.4	892.9	892.7	892.4	892.2	891.9
137.5°	938.4	939.6	939.9	940.4	940.9	941.4	941.9	941.6	941.4	941.1	940.8
140°	983.8	985.0	985.7	987.0	988.3	989.6	990.9	990.9	990.9	990.9	990.9
142.5°	1030.5	1031.7	1032.1	1032.9	1033.6	1034.4	1035.2	1035.4	1035.7	1035.9	1036.2
145°	1072.7	1073.6	1074.4	1075.9	1077.5	1079.0	1080.6	1080.9	1081.1	1081.4	1081.7
147.5°	1114.4	1115.6	1116.1	1117.2	1118.2	1119.3	1120.3	1120.8	1121.3	1121.8	1122.3
150°	1152.1	1152.9	1153.4	1154.5	1155.5	1156.6	1157.6	1158.4	1159.2	1159.9	1160.7
152.5°	1188.2	1189.0	1189.7	1191.0	1192.3	1193.6	1194.9	1195.9	1196.9	1198.0	1199.0
155°	1221.3	1221.7	1222.1	1222.9	1223.6	1224.4	1225.2	1226.5	1227.8	1229.1	1230.4
157.5°	1251.7	1252.0	1252.3	1252.8	1253.3	1253.8	1254.3	1256.1	1257.9	1259.8	1261.6
160°	1279.7	1280.0	1280.1	1280.4	1280.6	1280.9	1281.1	1282.7	1284.2	1285.8	1287.3
162.5°	1303.3	1303.3	1303.4	1303.7	1303.9	1304.2	1304.4	1306.2	1308.0	1309.9	1311.7
165°	1324.4	1324.3	1324.3	1324.3	1324.3	1324.3	1324.3	1326.1	1327.9	1329.7	1331.5
167.5°	1342.1	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1343.5	1345.3	1347.2	1349.0
170°	1357.3	1356.9	1356.8	1356.5	1356.2	1356.0	1355.7	1357.5	1359.3	1361.2	1363.0
172.5°	1367.8	1367.4	1367.3	1367.0	1366.7	1366.5	1366.2	1368.0	1369.8	1371.7	1373.5
175°	1375.9	1375.5	1375.2	1374.7	1374.2	1373.7	1373.2	1375.0	1376.8	1378.7	1380.5
177.5°	1380.6	1380.2	1379.9	1379.4	1378.9	1378.4	1377.9	1379.5	1381.0	1382.6	1384.1
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4

TEST NUMBER: P997818

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1912.9	1917.5	1906.7	1903.6	1906.7	1895.9	1899.0	1902.1	1902.1	1906.7	1909.8
5°	1801.8	1795.6	1784.8	1781.8	1778.7	1783.3	1780.2	1784.8	1786.4	1797.2	1798.7
7.5°	1692.3	1683.0	1673.8	1664.5	1661.4	1653.7	1661.4	1661.4	1672.2	1669.1	1676.9
10°	1562.7	1561.2	1548.8	1544.2	1538.0	1525.7	1542.6	1538.0	1545.7	1559.6	1562.7
12.5°	1467.1	1450.1	1457.8	1436.2	1443.9	1431.6	1433.1	1433.1	1445.5	1447.0	1443.9
15°	1376.0	1362.2	1342.1	1332.8	1328.2	1322.0	1342.1	1343.6	1334.4	1356.0	1348.3
17.5°	1283.5	1283.5	1265.0	1260.3	1248.0	1254.2	1251.1	1252.6	1249.5	1265.0	1272.7
20°	1203.3	1195.5	1189.4	1190.9	1175.5	1172.4	1169.3	1172.4	1183.2	1194.0	1197.1
22.5°	1138.5	1133.8	1118.4	1121.5	1109.2	1113.8	1110.7	1118.4	1120.0	1120.0	1130.8
25°	1076.8	1070.6	1072.1	1066.0	1061.3	1061.3	1056.7	1061.3	1067.5	1070.6	1072.1
27.5°	1030.5	1025.9	1018.1	1013.5	1016.6	1008.9	1015.1	1019.7	1019.7	1016.6	1019.7
30°	974.9	978.0	978.0	962.6	968.8	965.7	970.3	973.4	973.4	974.9	971.9
32.5°	937.9	928.7	927.1	925.6	925.6	919.4	919.4	924.0	925.6	927.1	931.8
35°	888.6	888.6	880.8	885.5	879.3	880.8	879.3	880.8	883.9	879.3	883.9
37.5°	843.8	845.4	842.3	845.4	846.9	843.8	840.7	846.9	843.8	843.8	840.7
40°	805.3	803.7	805.3	805.3	805.3	806.8	803.7	803.7	803.7	800.6	797.5
42.5°	772.9	763.6	766.7	768.2	763.6	763.6	765.1	763.6	768.2	759.0	759.0
45°	726.6	723.5	725.0	725.0	728.1	723.5	726.6	728.1	723.5	722.0	718.9
47.5°	684.9	688.0	684.9	688.0	688.0	691.1	684.9	686.5	688.0	681.8	677.2
50°	643.3	643.3	647.9	646.4	647.9	644.8	644.8	643.3	644.8	641.7	637.1
52.5°	604.7	600.1	607.8	606.3	604.7	603.2	601.6	603.2	600.1	597.0	597.0
55°	556.9	556.9	561.5	563.1	563.1	560.0	556.9	558.4	556.9	555.4	553.8
57.5°	518.3	512.2	515.2	516.8	516.8	512.2	515.2	512.2	512.2	513.7	509.1
60°	469.0	469.0	465.9	470.5	470.5	467.4	467.4	469.0	465.9	464.3	462.8
62.5°	416.5	418.1	422.7	424.2	425.8	422.7	419.6	421.1	421.1	416.5	418.1
65°	371.8	374.9	381.0	379.5	376.4	377.9	374.9	376.4	371.8	373.3	368.7
67.5°	328.6	327.0	328.6	328.6	331.7	330.1	327.0	327.0	325.5	330.1	325.5
70°	282.3	282.3	282.3	282.3	283.8	285.4	282.3	279.2	280.8	277.7	276.1
72.5°	234.5	236.0	234.5	237.6	232.9	236.0	236.0	234.5	232.9	232.9	232.9
75°	189.7	192.8	188.2	189.7	188.2	191.3	189.7	189.7	186.7	185.1	186.7
77.5°	145.0	146.6	143.5	145.0	143.5	145.0	145.0	143.5	143.5	143.5	143.5
80°	103.4	104.9	103.4	101.8	100.3	103.4	100.3	101.8	103.4	101.8	104.9
82.5°	66.3	66.3	64.8	66.3	63.2	63.2	64.8	64.8	63.2	66.3	63.2
85°	32.4	32.4	35.5	32.4	30.9	30.9	30.9	32.4	30.9	33.9	32.4
87.5°	7.7	6.2	7.7	7.7	6.2	6.2	7.7	6.2	7.7	9.3	6.2
90°	38.5	38.6	38.9	39.1	39.4	39.6	39.4	39.1	38.9	38.6	38.5
92.5°	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
95°	74.6	74.3	73.8	73.3	72.8	72.3	72.8	73.3	73.8	74.3	74.6
97.5°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
100°	160.9	160.8	160.5	160.2	160.0	159.7	160.0	160.2	160.5	160.8	160.9
102.5°	209.8	209.7	209.4	209.2	208.9	208.7	208.9	209.2	209.4	209.7	209.8
105°	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8	258.8
107.5°	310.1	309.5	308.2	306.9	305.6	304.3	305.6	306.9	308.2	309.5	310.1
110°	362.5	362.1	361.3	360.6	359.8	359.0	359.8	360.6	361.3	362.1	362.5

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	413.8	413.5	413.0	412.5	412.0	411.5	412.0	412.5	413.0	413.5	413.8
115°	469.8	469.4	468.6	467.9	467.1	466.3	467.1	467.9	468.6	469.4	469.8
117.5°	521.1	520.7	519.9	519.2	518.4	517.6	518.4	519.2	519.9	520.7	521.1
120°	575.9	575.5	574.7	574.0	573.2	572.4	573.2	574.0	574.7	575.5	575.9
122.5°	628.3	628.0	627.5	627.0	626.5	626.0	626.5	627.0	627.5	628.0	628.3
125°	681.9	681.8	681.5	681.3	681.0	680.8	681.0	681.3	681.5	681.8	681.9
127.5°	733.2	732.8	732.0	731.3	730.5	729.7	730.5	731.3	732.0	732.8	733.2
130°	788.0	787.5	786.5	785.4	784.4	783.4	784.4	785.4	786.5	787.5	788.0
132.5°	838.2	837.8	837.0	836.3	835.5	834.7	835.5	836.3	837.0	837.8	838.2
135°	891.8	891.4	890.6	889.9	889.1	888.3	889.1	889.9	890.6	891.4	891.8
137.5°	940.7	940.2	939.2	938.1	937.1	936.1	937.1	938.1	939.2	940.2	940.7
140°	990.9	990.4	989.3	988.3	987.2	986.2	987.2	988.3	989.3	990.4	990.9
142.5°	1036.3	1035.8	1034.8	1033.7	1032.7	1031.7	1032.7	1033.7	1034.8	1035.8	1036.3
145°	1081.8	1081.3	1080.2	1079.2	1078.1	1077.1	1078.1	1079.2	1080.2	1081.3	1081.8
147.5°	1122.6	1122.1	1121.0	1120.0	1118.9	1117.9	1118.9	1120.0	1121.0	1122.1	1122.6
150°	1161.1	1160.7	1159.9	1159.2	1158.4	1157.6	1158.4	1159.2	1159.9	1160.7	1161.1
152.5°	1199.5	1199.0	1198.0	1196.9	1195.9	1194.9	1195.9	1196.9	1198.0	1199.0	1199.5
155°	1231.0	1230.6	1229.8	1229.1	1228.3	1227.5	1228.3	1229.1	1229.8	1230.6	1231.0
157.5°	1262.5	1261.8	1260.5	1259.2	1257.9	1256.6	1257.9	1259.2	1260.5	1261.8	1262.5
160°	1288.1	1287.6	1286.6	1285.5	1284.5	1283.5	1284.5	1285.5	1286.6	1287.6	1288.1
162.5°	1312.6	1312.0	1310.7	1309.4	1308.1	1306.8	1308.1	1309.4	1310.7	1312.0	1312.6
165°	1332.4	1331.8	1330.5	1329.2	1327.9	1326.6	1327.9	1329.2	1330.5	1331.8	1332.4
167.5°	1349.9	1349.3	1348.0	1346.7	1345.4	1344.1	1345.4	1346.7	1348.0	1349.3	1349.9
170°	1363.9	1363.1	1361.6	1360.0	1358.5	1356.9	1358.5	1360.0	1361.6	1363.1	1363.9
172.5°	1374.4	1373.6	1372.1	1370.5	1369.0	1367.4	1369.0	1370.5	1372.1	1373.6	1374.4
175°	1381.4	1380.6	1379.1	1377.5	1376.0	1374.4	1376.0	1377.5	1379.1	1380.6	1381.4
177.5°	1384.9	1384.1	1382.6	1381.0	1379.5	1377.9	1379.5	1381.0	1382.6	1384.1	1384.9
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
2.5°	1905.2	1917.5	1912.9	1895.9	1916.0	1916.0	1929.8	1929.8	1946.8	1953.0	1962.2
5°	1797.2	1806.4	1814.1	1806.4	1820.3	1841.9	1854.3	1865.1	1888.2	1897.4	1911.3
7.5°	1681.5	1698.4	1706.2	1706.2	1729.3	1754.0	1778.7	1794.1	1826.5	1838.8	1852.7
10°	1568.9	1588.9	1604.3	1602.8	1641.4	1656.8	1687.6	1723.1	1755.5	1774.0	1794.1
12.5°	1450.1	1460.9	1482.5	1513.3	1522.6	1550.4	1585.8	1630.6	1689.2	1706.2	1735.5
15°	1351.4	1380.7	1397.6	1411.5	1433.1	1459.3	1497.9	1541.1	1599.7	1636.7	1667.6
17.5°	1268.1	1306.6	1317.4	1314.3	1342.1	1382.2	1426.9	1459.3	1511.8	1556.5	1585.8
20°	1200.2	1215.6	1234.1	1241.8	1263.4	1306.6	1349.8	1386.8	1430.0	1465.5	1499.4
22.5°	1132.3	1144.6	1160.1	1173.9	1190.9	1215.6	1257.3	1303.5	1345.2	1379.1	1417.7
25°	1076.8	1084.5	1098.4	1109.2	1127.7	1144.6	1173.9	1224.9	1274.2	1294.3	1328.2
27.5°	1022.8	1028.9	1038.2	1050.5	1059.8	1076.8	1103.0	1144.6	1195.5	1215.6	1261.9
30°	974.9	979.6	988.8	995.0	999.6	1019.7	1039.7	1072.1	1110.7	1138.5	1172.4
32.5°	930.2	934.8	944.1	945.6	951.8	962.6	981.1	1010.4	1044.4	1067.5	1096.8
35°	880.8	883.9	893.2	896.3	900.9	910.2	924.0	945.6	976.5	993.5	1019.7
37.5°	842.3	840.7	846.9	851.5	857.7	862.3	867.0	888.6	911.7	927.1	947.2
40°	800.6	797.5	799.1	805.3	808.3	814.5	814.5	836.1	851.5	863.9	879.3
42.5°	759.0	757.4	754.4	757.4	760.5	762.1	763.6	779.0	794.5	805.3	822.2
45°	717.3	715.8	712.7	714.2	714.2	717.3	722.0	728.1	738.9	748.2	757.4
47.5°	678.8	675.7	671.0	669.5	672.6	672.6	672.6	678.8	689.6	692.6	701.9
50°	638.7	634.0	627.9	624.8	624.8	623.2	626.3	627.9	637.1	640.2	647.9
52.5°	595.5	592.4	586.2	580.0	581.6	578.5	580.0	581.6	584.7	589.3	593.9
55°	552.3	546.1	541.5	539.9	535.3	535.3	530.7	536.8	535.3	536.8	543.0
57.5°	510.6	504.4	496.7	493.6	489.0	487.5	484.4	482.8	484.4	489.0	493.6
60°	461.2	458.2	453.5	448.9	445.8	441.2	438.1	438.1	436.6	436.6	438.1
62.5°	413.4	411.9	405.7	404.2	401.1	398.0	393.4	390.3	390.3	393.4	394.9
65°	367.1	365.6	361.0	359.4	351.7	348.6	347.1	345.6	342.5	342.5	342.5
67.5°	324.0	319.3	319.3	311.6	305.4	302.4	299.3	297.7	297.7	297.7	299.3
70°	276.1	276.1	271.5	266.9	260.7	262.2	257.6	253.0	253.0	249.9	251.5
72.5°	229.9	228.3	223.7	222.1	217.5	212.9	209.8	212.9	208.3	206.7	208.3
75°	185.1	183.6	180.5	177.4	178.9	174.3	169.7	168.1	168.1	165.1	165.1
77.5°	141.9	145.0	138.8	137.3	134.2	131.1	129.6	128.0	128.0	128.0	131.1
80°	98.7	100.3	100.3	97.2	98.7	94.1	94.1	94.1	89.5	91.0	92.6
82.5°	63.2	63.2	61.7	63.2	61.7	61.7	60.2	60.2	58.6	58.6	60.2
85°	35.5	33.9	32.4	35.5	33.9	33.9	32.4	32.4	32.4	32.4	32.4
87.5°	7.7	9.3	9.3	9.3	9.3	10.8	10.8	10.8	12.3	12.3	12.3
90°	38.8	39.3	39.8	40.3	40.8	35.1	29.4	23.7	18.0	15.2	13.6
92.5°	37.2	36.9	36.6	36.4	36.1	35.9	35.6	35.4	35.1	35.0	34.0
95°	74.6	74.6	74.6	74.6	74.6	74.1	73.6	73.1	72.6	72.3	71.0
97.5°	116.6	116.6	116.6	116.6	116.6	115.6	114.5	113.5	112.4	111.9	110.7
100°	160.9	160.9	160.9	160.9	160.9	160.1	159.3	158.6	157.8	157.4	156.4
102.5°	209.7	209.4	209.2	208.9	208.7	207.7	206.6	205.6	204.5	204.0	203.2
105°	258.5	258.0	257.5	257.0	256.5	256.0	255.4	254.9	254.4	254.1	253.7
107.5°	310.0	309.7	309.4	309.2	308.9	308.9	308.9	308.9	308.9	308.9	308.4
110°	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	362.5	361.7

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	414.2	415.0	415.7	416.5	417.3	417.6	417.8	418.1	418.4	418.5	417.7
115°	469.9	470.2	470.5	470.7	471.0	471.5	472.0	472.5	473.0	473.3	472.5
117.5°	521.5	522.3	523.0	523.8	524.6	525.9	527.2	528.5	529.8	530.4	529.4
120°	575.9	575.9	575.9	575.9	575.9	578.0	580.0	582.1	584.2	585.2	584.2
122.5°	628.7	629.5	630.2	631.0	631.8	633.1	634.4	635.7	637.0	637.6	636.3
125°	682.3	683.1	683.8	684.6	685.4	686.2	687.0	687.7	688.5	688.9	687.7
127.5°	733.7	734.8	735.8	736.9	737.9	738.9	740.0	741.0	742.1	742.6	741.2
130°	788.3	788.8	789.3	789.9	790.4	790.9	791.4	791.9	792.4	792.7	791.0
132.5°	838.8	840.1	841.4	842.7	844.0	843.7	843.5	843.2	842.9	842.8	841.5
135°	891.9	892.2	892.4	892.7	892.9	892.4	891.9	891.4	890.9	890.6	889.2
137.5°	940.8	941.1	941.4	941.6	941.9	941.4	940.9	940.4	939.9	939.6	938.4
140°	990.9	990.9	990.9	990.9	990.9	989.6	988.3	987.0	985.7	985.0	983.8
142.5°	1036.2	1035.9	1035.7	1035.4	1035.2	1034.4	1033.6	1032.9	1032.1	1031.7	1030.5
145°	1081.7	1081.4	1081.1	1080.9	1080.6	1079.0	1077.5	1075.9	1074.4	1073.6	1072.7
147.5°	1122.3	1121.8	1121.3	1120.8	1120.3	1119.3	1118.2	1117.2	1116.1	1115.6	1114.4
150°	1160.7	1159.9	1159.2	1158.4	1157.6	1156.6	1155.5	1154.5	1153.4	1152.9	1152.1
152.5°	1199.0	1198.0	1196.9	1195.9	1194.9	1193.6	1192.3	1191.0	1189.7	1189.0	1188.2
155°	1230.4	1229.1	1227.8	1226.5	1225.2	1224.4	1223.6	1222.9	1222.1	1221.7	1221.3
157.5°	1261.6	1259.8	1257.9	1256.1	1254.3	1253.8	1253.3	1252.8	1252.3	1252.0	1251.7
160°	1287.3	1285.8	1284.2	1282.7	1281.1	1280.9	1280.6	1280.4	1280.1	1280.0	1279.7
162.5°	1311.7	1309.9	1308.0	1306.2	1304.4	1304.2	1303.9	1303.7	1303.4	1303.3	1303.3
165°	1331.5	1329.7	1327.9	1326.1	1324.3	1324.3	1324.3	1324.3	1324.3	1324.3	1324.4
167.5°	1349.0	1347.2	1345.3	1343.5	1341.7	1341.7	1341.7	1341.7	1341.7	1341.7	1342.1
170°	1363.0	1361.2	1359.3	1357.5	1355.7	1356.0	1356.2	1356.5	1356.8	1356.9	1357.3
172.5°	1373.5	1371.7	1369.8	1368.0	1366.2	1366.5	1366.7	1367.0	1367.3	1367.4	1367.8
175°	1380.5	1378.7	1376.8	1375.0	1373.2	1373.7	1374.2	1374.7	1375.2	1375.5	1375.9
177.5°	1384.1	1382.6	1381.0	1379.5	1377.9	1378.4	1378.9	1379.4	1379.9	1380.2	1380.6
180°	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4	1381.4

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2007.0	2007.0	2007.0	2007.0
2.5°	1970.0	1970.0	1993.1	2017.8
5°	1926.8	1937.6	1974.6	2008.5
7.5°	1885.1	1903.6	1949.9	1993.1
10°	1834.2	1858.9	1916.0	1966.9
12.5°	1784.8	1808.0	1874.3	1931.4
15°	1715.4	1744.7	1815.7	1886.6
17.5°	1646.0	1675.3	1761.7	1845.0
20°	1564.2	1602.8	1700.0	1811.1
22.5°	1488.6	1536.5	1644.5	1733.9
25°	1405.3	1479.4	1579.7	1695.4
27.5°	1331.3	1405.3	1507.2	1624.4
30°	1248.0	1323.6	1428.5	1536.5
32.5°	1167.8	1237.2	1339.0	1471.7
35°	1084.5	1150.8	1249.5	1383.7
37.5°	1008.9	1073.7	1181.7	1305.1
40°	934.8	1002.7	1095.3	1218.7
42.5°	865.4	925.6	1008.9	1132.3
45°	802.2	845.4	922.5	1038.2
47.5°	735.8	774.4	845.4	961.1
50°	674.1	706.5	768.2	876.2
52.5°	614.0	641.7	698.8	785.2
55°	560.0	586.2	627.9	712.7
57.5°	504.4	524.5	564.6	632.5
60°	450.5	469.0	501.4	556.9
62.5°	396.5	411.9	442.7	487.5
65°	348.6	361.0	384.1	422.7
67.5°	302.4	310.1	328.6	359.4
70°	257.6	263.8	279.2	303.9
72.5°	209.8	216.0	232.9	249.9
75°	169.7	171.2	183.6	197.5
77.5°	132.7	131.1	140.4	151.2
80°	91.0	95.6	103.4	108.0
82.5°	61.7	63.2	66.3	69.4
85°	33.9	35.5	35.5	40.1
87.5°	13.9	15.4	15.4	17.0
90°	10.5	7.4	4.3	1.2
92.5°	31.9	29.8	27.7	25.6
95°	68.4	65.8	63.2	60.6
97.5°	108.4	106.1	103.7	101.4
100°	154.3	152.2	150.1	148.0
102.5°	201.7	200.1	198.6	197.0
105°	252.9	252.2	251.4	250.6
107.5°	307.4	306.3	305.3	304.3
110°	360.2	358.6	357.1	355.5

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	416.2	414.6	413.1	411.5
115°	471.0	469.4	467.9	466.3
117.5°	527.3	525.2	523.2	521.1
120°	582.1	580.0	578.0	575.9
122.5°	633.7	631.2	628.6	626.0
125°	685.4	683.1	680.7	678.4
127.5°	738.3	735.4	732.6	729.7
130°	787.6	784.3	780.9	777.5
132.5°	838.9	836.4	833.8	831.2
135°	886.3	883.5	880.6	877.8
137.5°	936.1	933.8	931.4	929.1
140°	981.5	979.2	976.8	974.5
142.5°	1028.2	1025.9	1023.5	1021.2
145°	1070.9	1069.1	1067.3	1065.5
147.5°	1112.1	1109.8	1107.4	1105.1
150°	1150.6	1149.0	1147.5	1145.9
152.5°	1186.7	1185.1	1183.6	1182.0
155°	1220.5	1219.8	1219.0	1218.2
157.5°	1251.2	1250.7	1250.2	1249.7
160°	1279.2	1278.7	1278.1	1277.6
162.5°	1303.3	1303.3	1303.3	1303.3
165°	1324.7	1324.9	1325.2	1325.4
167.5°	1342.9	1343.6	1344.4	1345.2
170°	1358.1	1358.8	1359.6	1360.4
172.5°	1368.6	1369.3	1370.1	1370.9
175°	1376.7	1377.4	1378.2	1379.0
177.5°	1381.4	1382.1	1382.9	1383.7
180°	1381.4	1381.4	1381.4	1381.4

TEST NUMBER: P997818

CATALOG NUMBER: SA2XXDIP-B1005D1080UB35-4F0-XX-W2A-A1

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	18.17	19.03	19.11	19.98	21.20	15.67	16.52	16.60	17.47	18.69
	3H	18.99	19.75	19.93	20.71	21.96	17.01	17.78	17.96	18.73	19.98
	4H	19.15	19.88	20.11	20.84	22.10	17.47	18.20	18.43	19.16	20.42
	6H	19.20	19.87	20.17	20.83	22.10	17.78	18.45	18.75	19.41	20.68
	8H	19.18	19.81	20.16	20.80	22.06	17.86	18.50	18.84	19.48	20.75
	12H	19.14	19.74	20.12	20.72	22.01	17.91	18.51	18.89	19.49	20.78
4H	2H	18.21	18.94	19.18	19.90	21.16	16.11	16.84	17.08	17.80	19.05
	3H	19.20	19.80	20.17	20.79	22.06	17.57	18.18	18.55	19.17	20.44
	4H	19.47	20.02	20.46	21.01	22.30	18.11	18.66	19.09	19.64	20.94
	6H	19.60	20.07	20.60	21.08	22.38	18.49	18.96	19.48	19.97	21.26
	8H	19.60	20.04	20.60	21.04	22.35	18.60	19.04	19.60	20.04	21.35
	12H	19.56	19.96	20.58	20.98	22.29	18.65	19.05	19.67	20.07	21.38
8H	4H	19.48	19.92	20.48	20.92	22.23	18.25	18.69	19.25	19.69	21.00
	6H	19.66	20.02	20.68	21.07	22.37	18.68	19.05	19.71	20.09	21.40
	8H	19.69	20.01	20.72	21.04	22.36	18.83	19.16	19.87	20.18	21.51
	12H	19.67	19.96	20.71	20.98	22.35	18.93	19.21	19.96	20.23	21.60
12H	4H	19.44	19.84	20.45	20.85	22.16	18.22	18.62	19.24	19.64	20.95
	6H	19.64	19.96	20.67	20.99	22.31	18.68	19.01	19.71	20.03	21.36
	8H	19.67	19.95	20.70	20.98	22.34	18.84	19.12	19.87	20.15	21.52