

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: P1000817

Luminaire Tested: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1000817
REPORT IS A COMBINATION OF REPORTS P995430 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K
Description: Define 4 Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

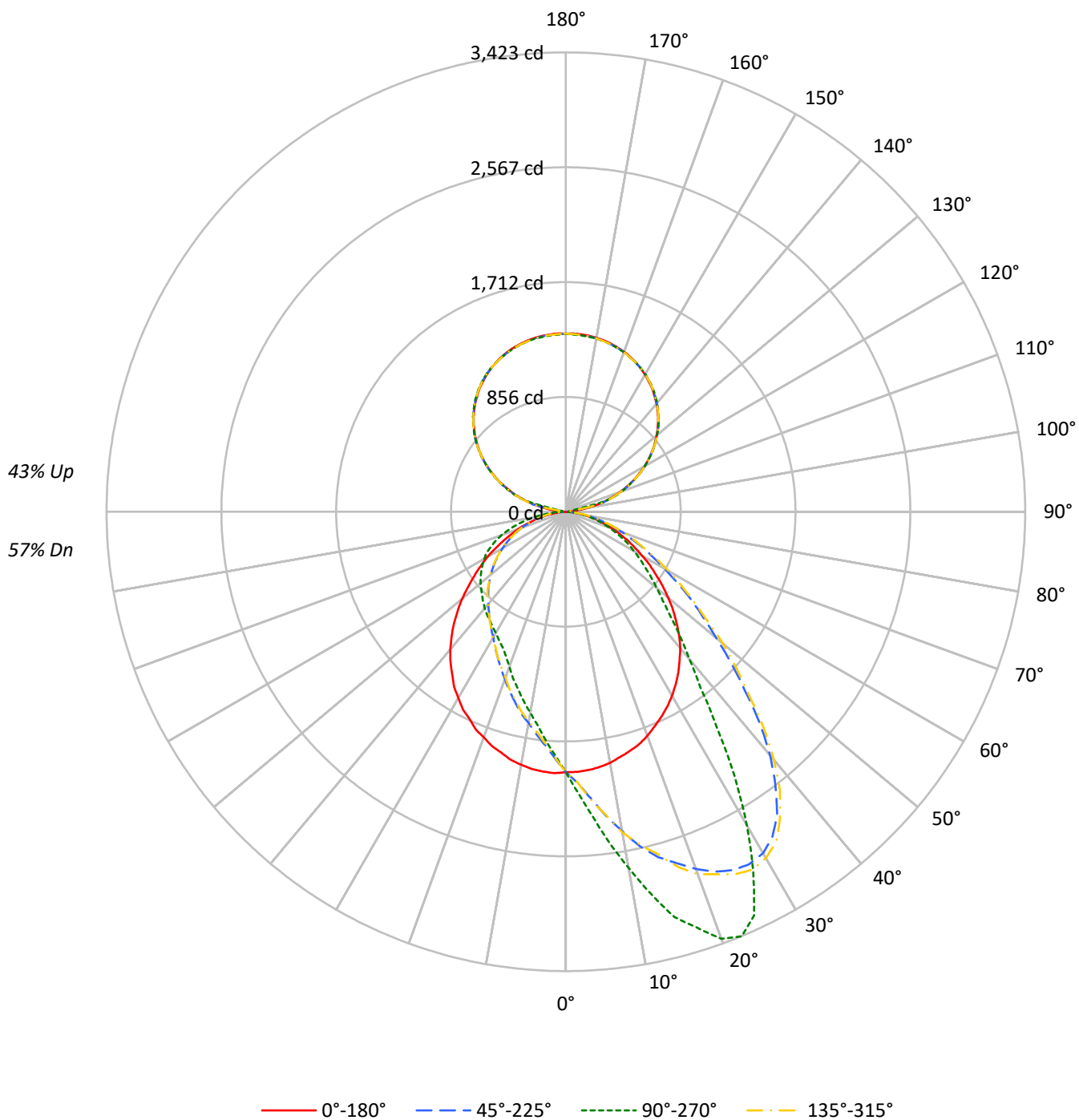
Lumens per Lamp: N/A
Luminaire Lumens: 9462.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 89.8
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



TEST NUMBER: P1000817

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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	50	30	10
RCR																				
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57		
1	100	95	91	88	92	89	85	82	77	74	72	66	64	62	55	54	53	48		
2	91	83	77	72	84	78	73	68	68	64	60	58	55	52	49	47	45	41		
3	83	74	66	61	77	69	62	57	60	55	51	51	48	45	44	41	39	35		
4	76	65	57	51	71	61	54	49	53	48	44	46	42	38	39	36	34	30		
5	70	58	50	44	65	55	48	42	48	42	38	41	37	34	35	32	29	26		
6	65	52	44	39	60	49	42	37	43	37	33	38	33	29	32	29	26	23		
7	60	47	40	34	56	45	37	32	39	33	29	34	30	26	29	26	23	21		
8	56	43	35	30	52	41	34	29	36	30	26	31	27	23	27	24	21	19		
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17		
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15819	15819	15819	15819
5°	15779	18148	15871	13637
10°	15661	21173	15781	11963
15°	15473	24408	15580	10704
20°	15273	26467	15383	9597
25°	14980	26165	15123	8781
30°	14694	21626	14873	8359
35°	14293	16116	14450	8104
40°	13824	12140	13959	7979
45°	13110	9743	13273	7809
50°	12256	8208	12434	7729
55°	11252	7144	11428	7639
60°	10275	6291	10577	7511
65°	9360	5414	9448	7199
70°	8284	4453	8462	6629
75°	7225	3421	7179	5632
80°	5684	2249	5618	4275
85°	3740	1010	3507	2492

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 20455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	2.0
10°-20°	582.7	6.2
20°-30°	925.8	9.8
30°-40°	1028.7	10.9
40°-50°	935.5	9.9
50°-60°	764.5	8.1
60°-70°	545.7	5.8
70°-80°	300.3	3.2
80°-90°	83.9	0.9
90°-100°	44.0	0.5
100°-110°	290.1	3.1
110°-120°	553.9	5.9
120°-130°	703.2	7.4
130°-140°	752.3	8.0
140°-150°	703.4	7.4
150°-160°	567.3	6.0
160°-170°	365.8	3.9
170°-180°	126.1	1.3
0°-30°	1697.3	17.9
0°-40°	2726.0	28.8
0°-60°	4425.9	46.8
0°-90°	5355.7	56.6
90°-120°	888.1	9.4
90°-150°	3047.1	32.2
90°-180°	4106.0	43.4
0°-180°	9462.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1940	1940	1940	1940	1940	
5°	1932	2276	1943	1710	1932	183
15°	1845	3126	1858	1371	1845	521
25°	1684	3319	1700	1114	1684	776
35°	1461	1962	1477	987	1461	913
45°	1165	1101	1180	882	1165	899
55°	820	720	832	770	820	737
65°	511	463	516	616	511	505
75°	251	231	249	381	251	263
85°	51	48	48	119	51	60
90°	3	30	3	30	3	6
95°	55	29	55	29	55	67
105°	299	283	299	283	299	313
115°	558	562	558	562	558	549
125°	784	790	784	790	784	700
135°	973	980	973	980	973	750
145°	1122	1128	1122	1128	1122	701
155°	1230	1229	1230	1229	1230	567
165°	1297	1291	1297	1291	1297	367
175°	1327	1319	1327	1319	1327	126
180°	1327	1327	1327	1327	1327	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1939.9	1959.2	1967.2	1973.6	1994.5	2001.0	2002.6	2012.2	2020.3	2021.9	2021.9
5°	1931.9	1962.4	1986.5	2009.0	2042.8	2057.2	2074.9	2094.2	2119.9	2136.0	2144.0
7.5°	1919.0	1964.0	2001.0	2039.5	2086.2	2115.1	2131.2	2182.6	2217.9	2246.9	2282.2
10°	1899.7	1957.6	2010.6	2066.9	2132.8	2168.1	2203.5	2266.2	2316.0	2372.2	2417.2
12.5°	1870.8	1946.3	2010.6	2089.4	2171.3	2213.1	2254.9	2364.2	2422.1	2471.9	2552.2
15°	1845.1	1920.6	2012.2	2092.6	2193.8	2256.5	2317.6	2388.3	2479.9	2587.6	2664.7
17.5°	1816.1	1911.0	1996.1	2108.7	2221.2	2280.6	2330.4	2439.7	2568.3	2674.4	2745.1
20°	1776.0	1872.4	1984.9	2103.8	2237.2	2283.8	2349.7	2496.0	2611.7	2716.2	2831.9
22.5°	1729.4	1841.9	1960.8	2074.9	2213.1	2311.2	2383.5	2512.1	2651.9	2772.4	2902.6
25°	1684.3	1806.5	1911.0	2066.9	2213.1	2279.0	2361.0	2513.7	2666.4	2812.6	2946.0
27.5°	1636.1	1750.2	1891.7	2015.4	2181.0	2253.3	2341.7	2508.8	2671.2	2817.4	2960.5
30°	1583.1	1705.2	1822.6	1968.8	2129.5	2222.8	2304.7	2486.3	2651.9	2804.6	2938.0
32.5°	1523.6	1639.3	1764.7	1902.9	2071.7	2166.5	2269.4	2455.8	2632.6	2764.4	2867.3
35°	1460.9	1578.3	1687.6	1829.0	2002.6	2097.4	2197.0	2402.8	2578.0	2685.6	2745.1
37.5°	1391.8	1502.7	1610.4	1750.2	1923.8	2025.1	2126.3	2325.6	2491.2	2581.2	2565.1
40°	1325.9	1425.6	1525.2	1657.0	1838.6	1946.3	2034.7	2235.6	2380.3	2418.8	2365.8
42.5°	1250.4	1335.6	1432.0	1567.0	1743.8	1845.1	1956.0	2139.2	2246.9	2230.8	2140.8
45°	1165.2	1240.8	1337.2	1464.2	1644.2	1748.6	1841.9	2015.4	2094.2	2054.0	1890.1
47.5°	1083.3	1157.2	1235.9	1362.9	1538.1	1626.5	1721.3	1877.2	1922.2	1837.0	1673.1
50°	994.9	1055.9	1137.9	1258.4	1422.4	1515.6	1594.3	1719.7	1735.8	1631.3	1460.9
52.5°	909.7	961.1	1039.9	1158.8	1311.5	1385.4	1462.6	1573.5	1560.6	1452.9	1289.0
55°	819.7	867.9	940.2	1049.5	1184.5	1255.2	1321.1	1419.2	1391.8	1280.9	1137.9
57.5°	744.1	777.9	848.6	949.9	1060.8	1137.9	1194.2	1271.3	1229.5	1118.6	985.2
60°	657.3	699.1	758.6	840.6	949.9	1001.3	1051.1	1102.5	1073.6	967.5	848.6
62.5°	578.6	610.7	662.2	740.9	826.1	872.7	925.7	957.9	929.0	830.9	731.3
65°	511.1	536.8	577.0	641.3	723.2	761.8	792.4	822.9	798.8	707.2	634.8
67.5°	437.2	459.7	493.4	544.8	614.0	641.3	670.2	691.1	663.8	602.7	532.0
70°	371.3	387.3	419.5	458.1	506.3	532.0	556.1	577.0	552.9	501.4	448.4
72.5°	303.8	316.6	345.5	372.9	416.3	433.9	451.6	467.7	459.7	411.4	368.0
75°	250.7	255.5	274.8	297.3	324.7	343.9	356.8	366.4	360.0	321.4	294.1
77.5°	189.7	196.1	210.5	228.2	252.3	263.6	271.6	281.3	273.2	242.7	223.4
80°	138.2	139.8	147.9	163.9	180.0	181.6	189.7	202.5	197.7	176.8	162.3
82.5°	88.4	93.2	96.4	106.1	117.3	120.5	125.4	128.6	127.0	114.1	109.3
85°	51.4	51.4	54.6	61.1	64.3	69.1	70.7	72.3	75.5	67.5	62.7
87.5°	22.5	24.1	24.1	25.7	28.9	28.9	30.5	32.1	33.8	32.1	27.3
90°	3.0	5.4	7.8	10.3	12.7	13.9	14.8	16.5	18.3	20.0	21.8
92.5°	14.9	14.5	14.0	13.6	13.1	12.9	13.8	15.5	17.3	19.0	20.8
95°	54.6	47.1	39.6	32.1	24.6	20.8	20.9	21.1	21.4	21.6	21.8
97.5°	104.2	109.1	113.9	118.8	123.7	126.1	114.5	91.3	68.2	45.0	21.8
100°	162.8	166.8	170.7	174.7	178.6	180.6	165.4	135.0	104.5	74.1	43.7
102.5°	228.3	230.9	233.6	236.2	238.9	240.2	241.5	244.2	246.8	249.5	252.1
105°	298.8	300.1	301.4	302.7	304.0	304.7	305.3	306.4	307.5	308.6	309.7
107.5°	363.3	363.9	364.6	365.2	365.9	366.2	367.0	368.5	370.1	371.6	373.2
110°	428.8	429.5	430.1	430.8	431.5	431.8	432.5	433.8	435.1	436.4	437.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	492.3	493.6	495.0	496.3	497.6	498.3	498.5	498.9	499.4	499.8	500.2
115°	557.8	558.5	559.1	559.8	560.5	560.8	560.7	560.5	560.2	560.0	559.8
117.5°	616.4	617.3	618.1	619.0	619.9	620.3	620.6	621.3	622.0	622.6	623.3
120°	675.9	676.8	677.7	678.6	679.5	679.9	679.8	679.6	679.3	679.1	678.9
122.5°	731.5	731.9	732.4	732.8	733.3	733.5	733.7	734.2	734.6	735.1	735.5
125°	784.1	785.0	785.9	786.8	787.7	788.1	787.9	787.4	787.0	786.5	786.1
127.5°	834.7	834.9	835.1	835.4	835.6	835.7	836.3	837.4	838.5	839.6	840.7
130°	883.4	883.6	883.8	884.0	884.2	884.3	884.6	885.3	886.0	886.6	887.3
132.5°	928.0	928.4	928.9	929.3	929.8	930.0	930.4	931.3	932.2	933.1	934.0
135°	972.7	972.5	972.3	972.0	971.8	971.7	972.1	973.0	973.9	974.8	975.7
137.5°	1012.4	1012.4	1012.4	1012.4	1012.4	1012.4	1012.9	1014.0	1015.1	1016.2	1017.3
140°	1051.1	1051.5	1052.0	1052.4	1052.9	1053.1	1053.3	1053.8	1054.2	1054.7	1055.1
142.5°	1085.8	1086.7	1087.6	1088.5	1089.4	1089.8	1089.9	1090.1	1090.4	1090.6	1090.8
145°	1121.6	1122.2	1122.9	1123.5	1124.2	1124.5	1124.5	1124.5	1124.5	1124.5	1124.5
147.5°	1149.4	1150.7	1152.0	1153.3	1154.6	1155.3	1155.2	1155.0	1154.7	1154.5	1154.3
150°	1180.1	1181.0	1181.9	1182.8	1183.7	1184.1	1184.0	1183.8	1183.5	1183.3	1183.1
152.5°	1205.9	1206.6	1207.2	1207.9	1208.6	1208.9	1208.7	1208.2	1207.8	1207.3	1206.9
155°	1229.7	1229.9	1230.1	1230.4	1230.6	1230.7	1230.4	1229.7	1229.1	1228.4	1227.8
157.5°	1250.6	1250.6	1250.6	1250.6	1250.6	1250.6	1250.2	1249.3	1248.4	1247.5	1246.6
160°	1268.5	1267.8	1267.2	1266.5	1265.8	1265.5	1265.4	1265.2	1264.9	1264.7	1264.5
162.5°	1284.3	1283.4	1282.6	1281.7	1280.8	1280.4	1280.3	1280.1	1279.8	1279.6	1279.4
165°	1297.2	1296.1	1295.0	1293.9	1292.8	1292.3	1292.3	1292.3	1292.3	1292.3	1292.3
167.5°	1308.2	1307.1	1306.0	1304.9	1303.8	1303.2	1303.1	1302.9	1302.6	1302.4	1302.2
170°	1317.1	1315.8	1314.4	1313.1	1311.8	1311.1	1311.2	1311.4	1311.7	1311.9	1312.1
172.5°	1323.0	1321.7	1320.4	1319.1	1317.8	1317.1	1317.2	1317.4	1317.7	1317.9	1318.1
175°	1327.0	1325.7	1324.4	1323.1	1321.8	1321.1	1321.2	1321.4	1321.7	1321.9	1322.1
177.5°	1330.0	1328.4	1326.9	1325.3	1323.8	1323.0	1323.2	1323.7	1324.1	1324.6	1325.0
180°	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	2026.7	2055.6	2068.5	2071.7	2089.4	2078.1	2082.9	2081.3	2094.2	2095.8	2095.8
5°	2174.5	2208.3	2219.5	2235.6	2259.7	2266.2	2261.3	2271.0	2288.7	2275.8	2295.1
7.5°	2330.4	2367.4	2393.1	2428.5	2436.5	2457.4	2470.3	2481.5	2484.7	2486.3	2489.6
10°	2475.1	2521.7	2557.1	2616.5	2629.4	2640.6	2696.9	2674.4	2703.3	2693.7	2696.9
12.5°	2592.4	2684.0	2713.0	2812.6	2822.2	2860.8	2857.6	2893.0	2899.4	2912.3	2899.4
15°	2746.7	2852.8	2899.4	2955.6	2987.8	3032.8	3040.8	3089.0	3108.3	3126.0	3108.3
17.5°	2888.1	2944.4	3063.3	3108.3	3129.2	3153.3	3214.4	3232.1	3261.0	3249.8	3281.9
20°	2958.9	3039.2	3164.6	3241.7	3273.9	3296.4	3347.8	3375.1	3386.4	3386.4	3389.6
22.5°	3021.5	3137.3	3230.5	3318.9	3347.8	3363.9	3394.4	3415.3	3420.1	3423.3	3426.6
25°	3077.8	3182.3	3257.8	3307.6	3318.9	3318.9	3336.6	3323.7	3302.8	3318.9	3328.5
27.5°	3077.8	3151.7	3185.5	3203.2	3203.2	3159.8	3134.0	3081.0	3036.0	3023.2	3052.1
30°	3026.4	3060.1	3013.5	2970.1	2936.4	2907.4	2806.2	2725.8	2709.7	2698.5	2741.9
32.5°	2907.4	2864.0	2772.4	2647.1	2597.2	2531.3	2452.6	2391.5	2354.6	2341.7	2332.1
35°	2696.9	2584.4	2465.5	2296.7	2261.3	2177.8	2070.1	2025.1	1964.0	1962.4	1983.3
37.5°	2467.1	2293.5	2164.9	2004.2	1954.4	1866.0	1764.7	1718.1	1676.3	1644.2	1682.7
40°	2198.7	2047.6	1851.5	1719.7	1649.0	1602.4	1517.2	1465.8	1446.5	1430.4	1454.5
42.5°	1947.9	1782.4	1629.7	1494.7	1436.8	1383.8	1327.6	1277.7	1263.3	1261.7	1279.3
45°	1698.8	1536.5	1395.1	1279.3	1242.4	1210.2	1155.6	1141.1	1117.0	1100.9	1109.0
47.5°	1499.5	1332.4	1215.0	1126.6	1094.5	1067.2	1031.8	1007.7	986.8	980.4	990.0
50°	1303.4	1190.9	1070.4	996.5	972.4	946.6	919.3	896.8	887.2	880.7	887.2
52.5°	1145.9	1025.4	943.4	884.0	859.9	840.6	821.3	811.6	798.8	802.0	808.4
55°	1004.5	898.4	829.3	785.9	771.5	763.4	739.3	728.1	723.2	720.0	723.2
57.5°	871.1	794.0	742.5	705.6	686.3	681.5	662.2	662.2	657.3	652.5	654.1
60°	765.0	699.1	649.3	620.4	617.2	609.1	596.3	594.7	583.4	588.2	589.8
62.5°	657.3	604.3	570.6	552.9	541.6	538.4	530.4	528.8	523.9	525.6	522.3
65°	572.2	528.8	495.0	480.6	475.7	474.1	467.7	462.9	459.7	462.9	459.7
67.5°	487.0	458.1	432.3	417.9	411.4	409.8	405.0	401.8	403.4	398.6	401.8
70°	406.6	377.7	361.6	353.6	350.4	345.5	345.5	345.5	345.5	342.3	340.7
72.5°	342.3	313.4	302.2	297.3	294.1	292.5	287.7	289.3	287.7	286.1	292.5
75°	271.6	253.9	242.7	237.9	241.1	236.3	231.4	234.7	229.8	231.4	237.9
77.5°	205.7	197.7	191.3	188.0	184.8	181.6	181.6	178.4	178.4	178.4	178.4
80°	149.5	147.9	136.6	135.0	135.0	131.8	131.8	131.8	131.8	130.2	131.8
82.5°	99.6	98.0	94.8	93.2	90.0	91.6	91.6	88.4	88.4	86.8	88.4
85°	57.9	57.9	54.6	53.0	51.4	53.0	49.8	48.2	49.8	48.2	49.8
87.5°	27.3	24.1	25.7	24.1	20.9	22.5	19.3	20.9	19.3	17.7	20.9
90°	23.1	24.5	25.8	27.1	27.8	28.0	28.5	28.9	29.4	29.8	29.4
92.5°	22.1	23.5	24.8	26.1	26.8	26.8	26.8	26.8	26.8	26.8	26.8
95°	23.1	24.5	25.8	27.1	27.8	27.9	28.1	28.4	28.6	28.8	28.6
97.5°	22.9	24.0	25.1	26.2	26.8	26.9	27.1	27.4	27.6	27.8	27.6
100°	39.9	36.2	32.4	28.7	26.8	26.9	27.1	27.4	27.6	27.8	27.6
102.5°	202.5	152.9	103.2	53.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8
105°	311.7	313.7	315.6	317.6	318.6	314.6	306.7	298.8	290.8	282.9	290.8
107.5°	374.3	375.4	376.5	377.6	378.2	378.6	379.5	380.4	381.2	382.1	381.2
110°	438.1	438.6	439.0	439.5	439.7	440.0	440.7	441.4	442.0	442.7	442.0

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	500.0	499.8	499.5	499.3	499.2	499.6	500.5	501.4	502.3	503.2	502.3
115°	560.2	560.7	561.1	561.6	561.8	561.8	561.8	561.8	561.8	561.8	561.8
117.5°	623.1	622.9	622.6	622.4	622.3	622.3	622.3	622.3	622.3	622.3	622.3
120°	679.3	679.8	680.2	680.7	680.9	680.7	680.2	679.8	679.3	678.9	679.3
122.5°	735.7	735.9	736.2	736.4	736.5	736.3	735.8	735.4	734.9	734.5	734.9
125°	786.8	787.4	788.1	788.8	789.1	789.2	789.4	789.7	789.9	790.1	789.9
127.5°	840.5	840.3	840.0	839.8	839.7	839.6	839.4	839.1	838.9	838.7	838.9
130°	887.5	887.7	888.0	888.2	888.3	888.3	888.3	888.3	888.3	888.3	888.3
132.5°	934.2	934.4	934.7	934.9	935.0	934.9	934.7	934.4	934.2	934.0	934.2
135°	976.1	976.5	977.0	977.4	977.6	977.8	978.3	978.7	979.2	979.6	979.2
137.5°	1017.7	1018.2	1018.6	1019.1	1019.3	1019.2	1019.0	1018.7	1018.5	1018.3	1018.5
140°	1055.7	1056.4	1057.0	1057.7	1058.0	1058.1	1058.3	1058.6	1058.8	1059.0	1058.8
142.5°	1091.2	1091.7	1092.1	1092.6	1092.8	1092.8	1092.8	1092.8	1092.8	1092.8	1092.8
145°	1124.7	1124.9	1125.2	1125.4	1125.5	1125.7	1126.2	1126.6	1127.1	1127.5	1127.1
147.5°	1154.5	1154.7	1155.0	1155.2	1155.3	1155.4	1155.6	1155.9	1156.1	1156.3	1156.1
150°	1183.1	1183.1	1183.1	1183.1	1183.1	1183.2	1183.4	1183.7	1183.9	1184.1	1183.9
152.5°	1207.3	1207.8	1208.2	1208.7	1208.9	1208.8	1208.6	1208.3	1208.1	1207.9	1208.1
155°	1228.7	1229.5	1230.4	1231.3	1231.7	1231.4	1230.7	1230.1	1229.4	1228.8	1229.4
157.5°	1247.7	1248.8	1249.9	1251.0	1251.6	1251.0	1249.9	1248.8	1247.7	1246.6	1247.7
160°	1265.8	1267.1	1268.4	1269.7	1270.4	1269.7	1268.4	1267.1	1265.8	1264.5	1265.8
162.5°	1280.7	1282.0	1283.3	1284.6	1285.3	1284.5	1283.0	1281.5	1279.9	1278.4	1279.9
165°	1294.1	1295.8	1297.6	1299.3	1300.2	1299.2	1297.2	1295.3	1293.3	1291.3	1293.3
167.5°	1304.2	1306.2	1308.1	1310.1	1311.1	1310.0	1307.8	1305.6	1303.4	1301.2	1303.4
170°	1313.9	1315.7	1317.4	1319.2	1320.1	1319.0	1316.8	1314.5	1312.3	1310.1	1312.3
172.5°	1319.9	1321.6	1323.4	1325.1	1326.0	1324.8	1322.4	1319.9	1317.5	1315.1	1317.5
175°	1324.1	1326.1	1328.0	1330.0	1331.0	1329.7	1327.0	1324.4	1321.7	1319.1	1321.7
177.5°	1326.8	1328.6	1330.3	1332.1	1333.0	1331.7	1329.0	1326.4	1323.7	1321.1	1323.7
180°	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	2092.6	2087.8	2081.3	2081.3	2073.3	2073.3	2060.4	2037.9	2018.6	2012.2	2015.4
5°	2271.0	2272.6	2262.9	2254.9	2240.4	2229.2	2208.3	2168.1	2155.3	2129.5	2111.9
7.5°	2475.1	2468.7	2451.0	2438.1	2434.9	2409.2	2364.2	2316.0	2277.4	2251.7	2214.7
10°	2704.9	2679.2	2653.5	2645.5	2626.2	2582.8	2531.3	2478.3	2425.3	2369.0	2306.3
12.5°	2897.8	2848.0	2846.4	2827.1	2790.1	2766.0	2704.9	2629.4	2537.8	2475.1	2404.4
15°	3105.1	3058.5	3019.9	2984.6	2966.9	2896.2	2844.8	2749.9	2640.6	2573.1	2524.9
17.5°	3253.0	3232.1	3166.2	3150.1	3126.0	3044.0	2962.1	2868.9	2774.0	2679.2	2549.0
20°	3371.9	3359.1	3315.7	3293.2	3254.6	3190.3	3090.7	2983.0	2873.7	2738.7	2616.5
22.5°	3423.3	3407.3	3371.9	3352.6	3328.5	3273.9	3188.7	3066.5	2923.5	2803.0	2672.8
25°	3322.1	3351.0	3341.4	3333.3	3323.7	3291.6	3227.3	3119.6	2979.8	2843.1	2680.8
27.5°	3093.9	3143.7	3191.9	3198.3	3214.4	3227.3	3201.5	3124.4	3007.1	2862.4	2684.0
30°	2786.9	2809.4	2907.4	2936.4	2958.9	3040.8	3089.0	3069.8	2979.8	2849.6	2685.6
32.5°	2393.1	2452.6	2552.2	2621.3	2682.4	2774.0	2899.4	2949.2	2917.1	2811.0	2648.7
35°	2020.3	2091.0	2206.7	2295.1	2356.2	2486.3	2634.2	2741.9	2782.1	2729.0	2584.4
37.5°	1714.9	1800.1	1902.9	1936.7	2007.4	2168.1	2372.2	2521.7	2619.7	2624.6	2512.1
40°	1485.1	1528.5	1610.4	1661.8	1731.0	1866.0	2065.3	2262.9	2410.8	2460.6	2401.2
42.5°	1290.6	1324.3	1385.4	1448.1	1510.8	1613.6	1796.9	1981.7	2181.0	2280.6	2279.0
45°	1136.3	1171.7	1213.4	1264.9	1308.3	1419.2	1563.8	1753.5	1925.4	2079.7	2118.3
47.5°	1001.3	1031.8	1083.3	1105.8	1134.7	1239.2	1364.5	1541.3	1719.7	1896.5	1941.5
50°	901.6	927.4	962.7	977.2	1009.3	1086.5	1189.3	1332.4	1530.1	1692.4	1776.0
52.5°	811.6	830.9	858.2	869.5	892.0	949.9	1043.1	1155.6	1319.5	1486.7	1604.0
55°	734.5	747.3	766.6	779.5	795.6	847.0	916.1	1017.4	1158.8	1303.4	1417.6
57.5°	662.2	671.8	691.1	697.5	710.4	750.6	798.8	884.0	1014.1	1142.7	1253.6
60°	594.7	601.1	612.3	626.8	636.5	663.8	708.8	779.5	884.0	1001.3	1091.3
62.5°	530.4	540.0	543.2	549.7	557.7	583.4	618.8	670.2	761.8	858.2	953.1
65°	464.5	472.5	478.9	480.6	488.6	507.9	540.0	585.0	644.5	728.1	816.5
67.5°	403.4	408.2	411.4	417.9	425.9	435.6	461.3	495.0	549.7	617.2	687.9
70°	347.2	347.2	352.0	353.6	363.2	374.5	385.7	417.9	466.1	520.7	569.0
72.5°	286.1	294.1	292.5	300.5	298.9	307.0	321.4	342.3	377.7	421.1	467.7
75°	233.0	237.9	237.9	237.9	241.1	247.5	255.5	274.8	302.2	337.5	364.8
77.5°	181.6	184.8	184.8	184.8	186.4	192.9	200.9	213.8	233.0	253.9	270.0
80°	130.2	133.4	133.4	136.6	136.6	138.2	146.3	152.7	162.3	178.4	194.5
82.5°	88.4	90.0	93.2	93.2	91.6	94.8	96.4	102.9	112.5	115.7	127.0
85°	48.2	49.8	51.4	51.4	53.0	56.3	54.6	61.1	61.1	67.5	70.7
87.5°	19.3	22.5	22.5	20.9	22.5	22.5	22.5	25.7	27.3	28.9	27.3
90°	28.9	28.5	28.0	27.8	27.1	25.8	24.5	23.1	21.8	20.0	18.3
92.5°	26.8	26.8	26.8	26.8	26.1	24.8	23.5	22.1	20.8	19.0	17.3
95°	28.4	28.1	27.9	27.8	27.1	25.8	24.5	23.1	21.8	21.6	21.4
97.5°	27.4	27.1	26.9	26.8	26.2	25.1	24.0	22.9	21.8	45.0	68.2
100°	27.4	27.1	26.9	26.8	28.7	32.4	36.2	39.9	43.7	74.1	104.5
102.5°	28.8	28.8	28.8	28.8	53.6	103.2	152.9	202.5	252.1	249.5	246.8
105°	298.8	306.7	314.6	318.6	317.6	315.6	313.7	311.7	309.7	308.6	307.5
107.5°	380.4	379.5	378.6	378.2	377.6	376.5	375.4	374.3	373.2	371.6	370.1
110°	441.4	440.7	440.0	439.7	439.5	439.0	438.6	438.1	437.7	436.4	435.1

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	501.4	500.5	499.6	499.2	499.3	499.5	499.8	500.0	500.2	499.8	499.4
115°	561.8	561.8	561.8	561.8	561.6	561.1	560.7	560.2	559.8	560.0	560.2
117.5°	622.3	622.3	622.3	622.3	622.4	622.6	622.9	623.1	623.3	622.6	622.0
120°	679.8	680.2	680.7	680.9	680.7	680.2	679.8	679.3	678.9	679.1	679.3
122.5°	735.4	735.8	736.3	736.5	736.4	736.2	735.9	735.7	735.5	735.1	734.6
125°	789.7	789.4	789.2	789.1	788.8	788.1	787.4	786.8	786.1	786.5	787.0
127.5°	839.1	839.4	839.6	839.7	839.8	840.0	840.3	840.5	840.7	839.6	838.5
130°	888.3	888.3	888.3	888.3	888.2	888.0	887.7	887.5	887.3	886.6	886.0
132.5°	934.4	934.7	934.9	935.0	934.9	934.7	934.4	934.2	934.0	933.1	932.2
135°	978.7	978.3	977.8	977.6	977.4	977.0	976.5	976.1	975.7	974.8	973.9
137.5°	1018.7	1019.0	1019.2	1019.3	1019.1	1018.6	1018.2	1017.7	1017.3	1016.2	1015.1
140°	1058.6	1058.3	1058.1	1058.0	1057.7	1057.0	1056.4	1055.7	1055.1	1054.7	1054.2
142.5°	1092.8	1092.8	1092.8	1092.8	1092.6	1092.1	1091.7	1091.2	1090.8	1090.6	1090.4
145°	1126.6	1126.2	1125.7	1125.5	1125.4	1125.2	1124.9	1124.7	1124.5	1124.5	1124.5
147.5°	1155.9	1155.6	1155.4	1155.3	1155.2	1155.0	1154.7	1154.5	1154.3	1154.5	1154.7
150°	1183.7	1183.4	1183.2	1183.1	1183.1	1183.1	1183.1	1183.1	1183.1	1183.3	1183.5
152.5°	1208.3	1208.6	1208.8	1208.9	1208.7	1208.2	1207.8	1207.3	1206.9	1207.3	1207.8
155°	1230.1	1230.7	1231.4	1231.7	1231.3	1230.4	1229.5	1228.7	1227.8	1228.4	1229.1
157.5°	1248.8	1249.9	1251.0	1251.6	1251.0	1249.9	1248.8	1247.7	1246.6	1247.5	1248.4
160°	1267.1	1268.4	1269.7	1270.4	1269.7	1268.4	1267.1	1265.8	1264.5	1264.7	1264.9
162.5°	1281.5	1283.0	1284.5	1285.3	1284.6	1283.3	1282.0	1280.7	1279.4	1279.6	1279.8
165°	1295.3	1297.2	1299.2	1300.2	1299.3	1297.6	1295.8	1294.1	1292.3	1292.3	1292.3
167.5°	1305.6	1307.8	1310.0	1311.1	1310.1	1308.1	1306.2	1304.2	1302.2	1302.4	1302.6
170°	1314.5	1316.8	1319.0	1320.1	1319.2	1317.4	1315.7	1313.9	1312.1	1311.9	1311.7
172.5°	1319.9	1322.4	1324.8	1326.0	1325.1	1323.4	1321.6	1319.9	1318.1	1317.9	1317.7
175°	1324.4	1327.0	1329.7	1331.0	1330.0	1328.0	1326.1	1324.1	1322.1	1321.9	1321.7
177.5°	1326.4	1329.0	1331.7	1333.0	1332.1	1330.3	1328.6	1326.8	1325.0	1324.6	1324.1
180°	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	2001.0	1994.5	1989.7	1989.7	1975.3	1960.8	1952.8	1949.5	1946.3	1933.5	1915.8
5°	2082.9	2062.0	2047.6	2033.1	2009.0	1983.3	1957.6	1943.1	1922.2	1893.3	1872.4
7.5°	2174.5	2124.7	2108.7	2091.0	2042.8	1999.4	1964.0	1933.5	1899.7	1862.7	1825.8
10°	2251.7	2198.7	2163.3	2132.8	2070.1	2012.2	1959.2	1914.2	1870.8	1822.6	1777.6
12.5°	2325.6	2250.1	2213.1	2168.1	2102.2	2018.6	1949.5	1893.3	1829.0	1779.2	1724.5
15°	2428.5	2301.5	2240.4	2211.5	2123.1	2025.1	1941.5	1857.9	1804.9	1729.4	1681.1
17.5°	2444.6	2341.7	2301.5	2227.6	2121.5	2010.6	1914.2	1830.6	1750.2	1682.7	1620.1
20°	2500.8	2365.8	2301.5	2254.9	2115.1	2002.6	1896.5	1788.8	1711.7	1639.3	1568.6
22.5°	2536.2	2383.5	2316.0	2242.0	2108.7	1973.6	1848.3	1755.1	1660.2	1586.3	1530.1
25°	2526.5	2373.8	2298.3	2229.2	2066.9	1931.9	1819.4	1700.4	1612.0	1531.7	1457.7
27.5°	2521.7	2349.7	2269.4	2192.2	2039.5	1898.1	1756.7	1660.2	1562.2	1469.0	1414.3
30°	2508.8	2319.2	2226.0	2142.4	1983.3	1835.4	1714.9	1602.4	1504.3	1419.2	1346.8
32.5°	2465.5	2267.8	2177.8	2087.8	1922.2	1774.4	1652.2	1547.7	1449.7	1361.3	1292.2
35°	2407.6	2206.7	2108.7	2013.8	1848.3	1698.8	1586.3	1477.0	1385.4	1300.2	1234.3
37.5°	2349.7	2136.0	2044.4	1935.1	1782.4	1626.5	1510.8	1412.7	1327.6	1239.2	1166.8
40°	2266.2	2052.4	1951.1	1857.9	1679.5	1533.3	1427.2	1338.8	1255.2	1171.7	1110.6
42.5°	2152.0	1960.8	1856.3	1753.5	1586.3	1441.7	1338.8	1260.0	1181.3	1112.2	1044.7
45°	2036.3	1849.9	1756.7	1665.1	1483.4	1346.8	1252.0	1179.7	1113.8	1038.3	983.6
47.5°	1896.5	1739.0	1645.8	1555.8	1383.8	1247.2	1160.4	1092.9	1031.8	969.1	917.7
50°	1753.5	1616.8	1531.7	1438.4	1274.5	1150.8	1065.6	1009.3	959.5	900.0	858.2
52.5°	1599.2	1480.2	1407.9	1317.9	1173.3	1059.1	972.4	916.1	874.3	830.9	794.0
55°	1435.2	1348.4	1271.3	1199.0	1062.4	959.5	882.4	832.5	803.6	763.4	731.3
57.5°	1287.4	1203.8	1157.2	1075.2	956.3	855.0	794.0	752.2	718.4	694.3	668.6
60°	1133.1	1065.6	1014.1	954.7	850.2	765.0	700.7	676.6	641.3	623.6	612.3
62.5°	985.2	937.0	888.8	843.8	750.6	670.2	622.0	591.5	570.6	552.9	543.2
65°	845.4	800.4	766.6	726.5	649.3	585.0	540.0	515.9	495.0	490.2	478.9
67.5°	708.8	689.5	652.5	620.4	554.5	504.7	470.9	440.4	429.1	424.3	414.7
70°	593.1	570.6	541.6	514.3	464.5	421.1	390.6	379.3	363.2	361.6	350.4
72.5°	488.6	461.3	440.4	419.5	382.5	343.9	327.9	311.8	303.8	297.3	292.5
75°	387.3	368.0	353.6	335.9	303.8	278.0	255.5	249.1	244.3	242.7	239.5
77.5°	289.3	276.4	270.0	252.3	229.8	207.3	197.7	188.0	188.0	184.8	186.4
80°	205.7	197.7	189.7	180.0	160.7	151.1	143.0	136.6	133.4	131.8	133.4
82.5°	130.2	125.4	123.8	117.3	104.5	99.6	93.2	88.4	88.4	88.4	88.4
85°	72.3	72.3	72.3	62.7	57.9	53.0	49.8	48.2	48.2	48.2	49.8
87.5°	30.5	30.5	25.7	25.7	24.1	20.9	19.3	19.3	20.9	20.9	22.5
90°	16.5	14.8	13.9	12.7	10.3	7.8	5.4	3.0	5.4	7.8	10.3
92.5°	15.5	13.8	12.9	13.1	13.6	14.0	14.5	14.9	14.5	14.0	13.6
95°	21.1	20.9	20.8	24.6	32.1	39.6	47.1	54.6	47.1	39.6	32.1
97.5°	91.3	114.5	126.1	123.7	118.8	113.9	109.1	104.2	109.1	113.9	118.8
100°	135.0	165.4	180.6	178.6	174.7	170.7	166.8	162.8	166.8	170.7	174.7
102.5°	244.2	241.5	240.2	238.9	236.2	233.6	230.9	228.3	230.9	233.6	236.2
105°	306.4	305.3	304.7	304.0	302.7	301.4	300.1	298.8	300.1	301.4	302.7
107.5°	368.5	367.0	366.2	365.9	365.2	364.6	363.9	363.3	363.9	364.6	365.2
110°	433.8	432.5	431.8	431.5	430.8	430.1	429.5	428.8	429.5	430.1	430.8

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	498.9	498.5	498.3	497.6	496.3	495.0	493.6	492.3	493.6	495.0	496.3
115°	560.5	560.7	560.8	560.5	559.8	559.1	558.5	557.8	558.5	559.1	559.8
117.5°	621.3	620.6	620.3	619.9	619.0	618.1	617.3	616.4	617.3	618.1	619.0
120°	679.6	679.8	679.9	679.5	678.6	677.7	676.8	675.9	676.8	677.7	678.6
122.5°	734.2	733.7	733.5	733.3	732.8	732.4	731.9	731.5	731.9	732.4	732.8
125°	787.4	787.9	788.1	787.7	786.8	785.9	785.0	784.1	785.0	785.9	786.8
127.5°	837.4	836.3	835.7	835.6	835.4	835.1	834.9	834.7	834.9	835.1	835.4
130°	885.3	884.6	884.3	884.2	884.0	883.8	883.6	883.4	883.6	883.8	884.0
132.5°	931.3	930.4	930.0	929.8	929.3	928.9	928.4	928.0	928.4	928.9	929.3
135°	973.0	972.1	971.7	971.8	972.0	972.3	972.5	972.7	972.5	972.3	972.0
137.5°	1014.0	1012.9	1012.4	1012.4	1012.4	1012.4	1012.4	1012.4	1012.4	1012.4	1012.4
140°	1053.8	1053.3	1053.1	1052.9	1052.4	1052.0	1051.5	1051.1	1051.5	1052.0	1052.4
142.5°	1090.1	1089.9	1089.8	1089.4	1088.5	1087.6	1086.7	1085.8	1086.7	1087.6	1088.5
145°	1124.5	1124.5	1124.5	1124.2	1123.5	1122.9	1122.2	1121.6	1122.2	1122.9	1123.5
147.5°	1155.0	1155.2	1155.3	1154.6	1153.3	1152.0	1150.7	1149.4	1150.7	1152.0	1153.3
150°	1183.8	1184.0	1184.1	1183.7	1182.8	1181.9	1181.0	1180.1	1181.0	1181.9	1182.8
152.5°	1208.2	1208.7	1208.9	1208.6	1207.9	1207.2	1206.6	1205.9	1206.6	1207.2	1207.9
155°	1229.7	1230.4	1230.7	1230.6	1230.4	1230.1	1229.9	1229.7	1229.9	1230.1	1230.4
157.5°	1249.3	1250.2	1250.6	1250.6	1250.6	1250.6	1250.6	1250.6	1250.6	1250.6	1250.6
160°	1265.2	1265.4	1265.5	1265.8	1266.5	1267.2	1267.8	1268.5	1267.8	1267.2	1266.5
162.5°	1280.1	1280.3	1280.4	1280.8	1281.7	1282.6	1283.4	1284.3	1283.4	1282.6	1281.7
165°	1292.3	1292.3	1292.3	1292.8	1293.9	1295.0	1296.1	1297.2	1296.1	1295.0	1293.9
167.5°	1302.9	1303.1	1303.2	1303.8	1304.9	1306.0	1307.1	1308.2	1307.1	1306.0	1304.9
170°	1311.4	1311.2	1311.1	1311.8	1313.1	1314.4	1315.8	1317.1	1315.8	1314.4	1313.1
172.5°	1317.4	1317.2	1317.1	1317.8	1319.1	1320.4	1321.7	1323.0	1321.7	1320.4	1319.1
175°	1321.4	1321.2	1321.1	1321.8	1323.1	1324.4	1325.7	1327.0	1325.7	1324.4	1323.1
177.5°	1323.7	1323.2	1323.0	1323.8	1325.3	1326.9	1328.4	1330.0	1328.4	1326.9	1325.3
180°	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1911.0	1904.5	1907.8	1891.7	1877.2	1856.3	1838.6	1835.4	1832.2	1841.9	1835.4
5°	1856.3	1848.3	1840.2	1821.0	1792.0	1774.4	1748.6	1747.0	1737.4	1722.9	1726.1
7.5°	1796.9	1792.0	1780.8	1750.2	1724.5	1694.0	1673.1	1655.4	1647.4	1634.5	1629.7
10°	1748.6	1731.0	1721.3	1687.6	1657.0	1624.9	1597.6	1584.7	1570.2	1559.0	1551.0
12.5°	1682.7	1677.9	1650.6	1623.3	1597.6	1560.6	1539.7	1502.7	1483.4	1493.1	1489.9
15°	1639.3	1616.8	1610.4	1571.8	1528.5	1504.3	1465.8	1441.7	1433.6	1419.2	1401.5
17.5°	1581.5	1567.0	1544.5	1509.2	1459.3	1425.6	1398.3	1375.8	1366.1	1346.8	1332.4
20°	1526.8	1502.7	1485.1	1452.9	1404.7	1361.3	1327.6	1313.1	1289.0	1272.9	1264.9
22.5°	1477.0	1459.3	1433.6	1385.4	1343.6	1301.8	1261.7	1240.8	1218.3	1208.6	1195.8
25°	1415.9	1387.0	1369.3	1316.3	1271.3	1237.5	1200.6	1173.3	1160.4	1144.3	1141.1
27.5°	1356.5	1329.2	1308.3	1261.7	1207.0	1163.6	1141.1	1121.8	1099.3	1099.3	1091.3
30°	1297.0	1277.7	1245.6	1200.6	1149.2	1107.4	1081.6	1064.0	1055.9	1049.5	1047.9
32.5°	1237.5	1211.8	1192.5	1131.5	1092.9	1054.3	1035.0	1020.6	1010.9	1009.3	1010.9
35°	1176.5	1147.5	1128.3	1073.6	1035.0	999.7	991.6	978.8	974.0	972.4	980.4
37.5°	1112.2	1089.7	1065.6	1020.6	977.2	956.3	940.2	935.4	933.8	943.4	946.6
40°	1052.7	1033.4	1010.9	962.7	930.6	908.1	900.0	895.2	901.6	911.3	916.1
42.5°	996.5	969.1	951.5	908.1	879.1	866.3	856.6	856.6	863.1	874.3	882.4
45°	937.0	916.1	898.4	859.9	834.1	819.7	818.1	819.7	827.7	835.7	845.4
47.5°	879.1	858.2	839.0	806.8	784.3	776.3	774.7	776.3	789.1	800.4	811.6
50°	826.1	803.6	785.9	755.4	737.7	728.1	729.7	737.7	747.3	763.4	777.9
52.5°	763.4	747.3	731.3	704.0	687.9	681.5	686.3	692.7	710.4	721.6	739.3
55°	702.3	687.9	675.0	654.1	641.3	636.5	639.7	649.3	663.8	683.1	704.0
57.5°	646.1	630.0	617.2	602.7	588.2	589.8	591.5	604.3	622.0	639.7	663.8
60°	583.4	573.8	562.5	544.8	538.4	538.4	543.2	557.7	573.8	602.7	623.6
62.5°	527.2	514.3	506.3	495.0	485.4	487.0	498.2	511.1	530.4	554.5	581.8
65°	469.3	454.8	448.4	438.8	435.6	437.2	445.2	464.5	485.4	506.3	532.0
67.5°	405.0	400.2	393.8	384.1	387.3	388.9	397.0	413.1	435.6	456.4	485.4
70°	350.4	340.7	339.1	331.1	331.1	335.9	352.0	363.2	384.1	406.6	437.2
72.5°	292.5	284.5	284.5	278.0	282.9	287.7	295.7	311.8	331.1	353.6	379.3
75°	233.0	229.8	233.0	229.8	229.8	237.9	247.5	260.4	281.3	305.4	326.3
77.5°	180.0	180.0	178.4	183.2	183.2	188.0	200.9	213.8	229.8	249.1	271.6
80°	131.8	131.8	131.8	136.6	141.4	141.4	149.5	165.5	180.0	192.9	213.8
82.5°	90.0	90.0	90.0	93.2	99.6	99.6	109.3	118.9	135.0	146.3	155.9
85°	54.6	54.6	53.0	56.3	57.9	62.7	70.7	77.1	85.2	94.8	104.5
87.5°	24.1	24.1	25.7	27.3	28.9	32.1	35.4	38.6	46.6	49.8	54.6
90°	12.7	13.9	14.8	16.5	18.3	20.0	21.8	23.1	24.5	25.8	27.1
92.5°	13.1	12.9	13.8	15.5	17.3	19.0	20.8	22.1	23.5	24.8	26.1
95°	24.6	20.8	20.9	21.1	21.4	21.6	21.8	23.1	24.5	25.8	27.1
97.5°	123.7	126.1	114.5	91.3	68.2	45.0	21.8	22.9	24.0	25.1	26.2
100°	178.6	180.6	165.4	135.0	104.5	74.1	43.7	39.9	36.2	32.4	28.7
102.5°	238.9	240.2	241.5	244.2	246.8	249.5	252.1	202.5	152.9	103.2	53.6
105°	304.0	304.7	305.3	306.4	307.5	308.6	309.7	311.7	313.7	315.6	317.6
107.5°	365.9	366.2	367.0	368.5	370.1	371.6	373.2	374.3	375.4	376.5	377.6
110°	431.5	431.8	432.5	433.8	435.1	436.4	437.7	438.1	438.6	439.0	439.5

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	497.6	498.3	498.5	498.9	499.4	499.8	500.2	500.0	499.8	499.5	499.3
115°	560.5	560.8	560.7	560.5	560.2	560.0	559.8	560.2	560.7	561.1	561.6
117.5°	619.9	620.3	620.6	621.3	622.0	622.6	623.3	623.1	622.9	622.6	622.4
120°	679.5	679.9	679.8	679.6	679.3	679.1	678.9	679.3	679.8	680.2	680.7
122.5°	733.3	733.5	733.7	734.2	734.6	735.1	735.5	735.7	735.9	736.2	736.4
125°	787.7	788.1	787.9	787.4	787.0	786.5	786.1	786.8	787.4	788.1	788.8
127.5°	835.6	835.7	836.3	837.4	838.5	839.6	840.7	840.5	840.3	840.0	839.8
130°	884.2	884.3	884.6	885.3	886.0	886.6	887.3	887.5	887.7	888.0	888.2
132.5°	929.8	930.0	930.4	931.3	932.2	933.1	934.0	934.2	934.4	934.7	934.9
135°	971.8	971.7	972.1	973.0	973.9	974.8	975.7	976.1	976.5	977.0	977.4
137.5°	1012.4	1012.4	1012.9	1014.0	1015.1	1016.2	1017.3	1017.7	1018.2	1018.6	1019.1
140°	1052.9	1053.1	1053.3	1053.8	1054.2	1054.7	1055.1	1055.7	1056.4	1057.0	1057.7
142.5°	1089.4	1089.8	1089.9	1090.1	1090.4	1090.6	1090.8	1091.2	1091.7	1092.1	1092.6
145°	1124.2	1124.5	1124.5	1124.5	1124.5	1124.5	1124.5	1124.7	1124.9	1125.2	1125.4
147.5°	1154.6	1155.3	1155.2	1155.0	1154.7	1154.5	1154.3	1154.5	1154.7	1155.0	1155.2
150°	1183.7	1184.1	1184.0	1183.8	1183.5	1183.3	1183.1	1183.1	1183.1	1183.1	1183.1
152.5°	1208.6	1208.9	1208.7	1208.2	1207.8	1207.3	1206.9	1207.3	1207.8	1208.2	1208.7
155°	1230.6	1230.7	1230.4	1229.7	1229.1	1228.4	1227.8	1228.7	1229.5	1230.4	1231.3
157.5°	1250.6	1250.6	1250.2	1249.3	1248.4	1247.5	1246.6	1247.7	1248.8	1249.9	1251.0
160°	1265.8	1265.5	1265.4	1265.2	1264.9	1264.7	1264.5	1265.8	1267.1	1268.4	1269.7
162.5°	1280.8	1280.4	1280.3	1280.1	1279.8	1279.6	1279.4	1280.7	1282.0	1283.3	1284.6
165°	1292.8	1292.3	1292.3	1292.3	1292.3	1292.3	1292.3	1294.1	1295.8	1297.6	1299.3
167.5°	1303.8	1303.2	1303.1	1302.9	1302.6	1302.4	1302.2	1304.2	1306.2	1308.1	1310.1
170°	1311.8	1311.1	1311.2	1311.4	1311.7	1311.9	1312.1	1313.9	1315.7	1317.4	1319.2
172.5°	1317.8	1317.1	1317.2	1317.4	1317.7	1317.9	1318.1	1319.9	1321.6	1323.4	1325.1
175°	1321.8	1321.1	1321.2	1321.4	1321.7	1321.9	1322.1	1324.1	1326.1	1328.0	1330.0
177.5°	1323.8	1323.0	1323.2	1323.7	1324.1	1324.6	1325.0	1326.8	1328.6	1330.3	1332.1
180°	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1830.6	1829.0	1821.0	1824.2	1814.5	1817.7	1822.6	1824.2	1830.6	1825.8	1824.2
5°	1718.1	1714.9	1710.1	1705.2	1703.6	1710.1	1698.8	1702.0	1705.2	1710.1	1716.5
7.5°	1626.5	1624.9	1620.1	1612.0	1608.8	1605.6	1607.2	1618.5	1616.8	1615.2	1626.5
10°	1542.9	1544.5	1534.9	1533.3	1523.6	1522.0	1523.6	1526.8	1531.7	1538.1	1539.7
12.5°	1456.1	1477.0	1459.3	1452.9	1438.4	1446.5	1449.7	1435.2	1443.3	1448.1	1472.2
15°	1401.5	1391.8	1380.6	1380.6	1374.2	1370.9	1362.9	1374.2	1380.6	1390.2	1387.0
17.5°	1325.9	1309.9	1303.4	1297.0	1298.6	1305.0	1287.4	1313.1	1313.1	1317.9	1309.9
20°	1260.0	1247.2	1239.2	1235.9	1231.1	1227.9	1226.3	1232.7	1242.4	1245.6	1253.6
22.5°	1190.9	1190.9	1178.1	1173.3	1170.0	1165.2	1173.3	1168.4	1174.9	1181.3	1194.2
25°	1133.1	1133.1	1128.3	1121.8	1117.0	1113.8	1118.6	1117.0	1121.8	1129.9	1133.1
27.5°	1086.5	1081.6	1080.0	1078.4	1076.8	1078.4	1076.8	1081.6	1086.5	1088.1	1084.9
30°	1046.3	1041.5	1043.1	1043.1	1044.7	1043.1	1041.5	1046.3	1047.9	1044.7	1046.3
32.5°	1009.3	1009.3	1012.5	1014.1	1014.1	1015.8	1017.4	1014.1	1015.8	1010.9	1012.5
35°	978.8	982.0	985.2	986.8	988.4	986.8	990.0	988.4	985.2	982.0	980.4
37.5°	948.3	951.5	957.9	959.5	964.3	965.9	962.7	962.7	961.1	954.7	951.5
40°	916.1	919.3	927.4	932.2	935.4	940.2	937.0	937.0	930.6	924.1	919.3
42.5°	885.6	892.0	900.0	904.9	911.3	911.3	911.3	908.1	900.0	893.6	888.8
45°	855.0	856.6	867.9	875.9	882.4	882.4	882.4	877.5	872.7	859.9	853.4
47.5°	821.3	826.1	839.0	847.0	853.4	855.0	855.0	850.2	840.6	829.3	821.3
50°	784.3	792.4	806.8	818.1	826.1	829.3	824.5	821.3	810.0	797.2	787.5
52.5°	749.0	758.6	776.3	785.9	797.2	798.8	797.2	792.4	779.5	761.8	753.8
55°	713.6	721.6	740.9	757.0	766.6	769.9	766.6	758.6	742.5	724.8	716.8
57.5°	675.0	686.3	707.2	723.2	734.5	736.1	732.9	724.8	712.0	689.5	678.2
60°	634.8	649.3	670.2	686.3	700.7	702.3	699.1	687.9	671.8	649.3	639.7
62.5°	594.7	605.9	630.0	647.7	659.0	667.0	660.6	649.3	633.2	610.7	596.3
65°	548.1	564.1	585.0	601.1	614.0	615.6	612.3	602.7	585.0	560.9	549.7
67.5°	503.1	514.3	535.2	556.1	560.9	565.7	560.9	551.3	536.8	515.9	499.8
70°	448.4	458.1	483.8	498.2	504.7	509.5	506.3	496.6	483.8	464.5	451.6
72.5°	393.8	401.8	425.9	437.2	450.0	448.4	446.8	440.4	422.7	409.8	401.8
75°	335.9	345.5	361.6	376.1	380.9	380.9	380.9	376.1	364.8	343.9	335.9
77.5°	282.9	287.7	300.5	308.6	313.4	315.0	313.4	305.4	298.9	284.5	279.7
80°	217.0	229.8	239.5	241.1	247.5	247.5	247.5	244.3	237.9	223.4	221.8
82.5°	163.9	167.1	176.8	181.6	184.8	183.2	183.2	176.8	175.2	167.1	163.9
85°	110.9	115.7	114.1	120.5	122.1	118.9	118.9	122.1	114.1	115.7	110.9
87.5°	61.1	61.1	64.3	62.7	69.1	69.1	65.9	67.5	64.3	62.7	61.1
90°	27.8	28.0	28.5	28.9	29.4	29.8	29.4	28.9	28.5	28.0	27.8
92.5°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
95°	27.8	27.9	28.1	28.4	28.6	28.8	28.6	28.4	28.1	27.9	27.8
97.5°	26.8	26.9	27.1	27.4	27.6	27.8	27.6	27.4	27.1	26.9	26.8
100°	26.8	26.9	27.1	27.4	27.6	27.8	27.6	27.4	27.1	26.9	26.8
102.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
105°	318.6	314.6	306.7	298.8	290.8	282.9	290.8	298.8	306.7	314.6	318.6
107.5°	378.2	378.6	379.5	380.4	381.2	382.1	381.2	380.4	379.5	378.6	378.2
110°	439.7	440.0	440.7	441.4	442.0	442.7	442.0	441.4	440.7	440.0	439.7

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	499.2	499.6	500.5	501.4	502.3	503.2	502.3	501.4	500.5	499.6	499.2
115°	561.8	561.8	561.8	561.8	561.8	561.8	561.8	561.8	561.8	561.8	561.8
117.5°	622.3	622.3	622.3	622.3	622.3	622.3	622.3	622.3	622.3	622.3	622.3
120°	680.9	680.7	680.2	679.8	679.3	678.9	679.3	679.8	680.2	680.7	680.9
122.5°	736.5	736.3	735.8	735.4	734.9	734.5	734.9	735.4	735.8	736.3	736.5
125°	789.1	789.2	789.4	789.7	789.9	790.1	789.9	789.7	789.4	789.2	789.1
127.5°	839.7	839.6	839.4	839.1	838.9	838.7	838.9	839.1	839.4	839.6	839.7
130°	888.3	888.3	888.3	888.3	888.3	888.3	888.3	888.3	888.3	888.3	888.3
132.5°	935.0	934.9	934.7	934.4	934.2	934.0	934.2	934.4	934.7	934.9	935.0
135°	977.6	977.8	978.3	978.7	979.2	979.6	979.2	978.7	978.3	977.8	977.6
137.5°	1019.3	1019.2	1019.0	1018.7	1018.5	1018.3	1018.5	1018.7	1019.0	1019.2	1019.3
140°	1058.0	1058.1	1058.3	1058.6	1058.8	1059.0	1058.8	1058.6	1058.3	1058.1	1058.0
142.5°	1092.8	1092.8	1092.8	1092.8	1092.8	1092.8	1092.8	1092.8	1092.8	1092.8	1092.8
145°	1125.5	1125.7	1126.2	1126.6	1127.1	1127.5	1127.1	1126.6	1126.2	1125.7	1125.5
147.5°	1155.3	1155.4	1155.6	1155.9	1156.1	1156.3	1156.1	1155.9	1155.6	1155.4	1155.3
150°	1183.1	1183.2	1183.4	1183.7	1183.9	1184.1	1183.9	1183.7	1183.4	1183.2	1183.1
152.5°	1208.9	1208.8	1208.6	1208.3	1208.1	1207.9	1208.1	1208.3	1208.6	1208.8	1208.9
155°	1231.7	1231.4	1230.7	1230.1	1229.4	1228.8	1229.4	1230.1	1230.7	1231.4	1231.7
157.5°	1251.6	1251.0	1249.9	1248.8	1247.7	1246.6	1247.7	1248.8	1249.9	1251.0	1251.6
160°	1270.4	1269.7	1268.4	1267.1	1265.8	1264.5	1265.8	1267.1	1268.4	1269.7	1270.4
162.5°	1285.3	1284.5	1283.0	1281.5	1279.9	1278.4	1279.9	1281.5	1283.0	1284.5	1285.3
165°	1300.2	1299.2	1297.2	1295.3	1293.3	1291.3	1293.3	1295.3	1297.2	1299.2	1300.2
167.5°	1311.1	1310.0	1307.8	1305.6	1303.4	1301.2	1303.4	1305.6	1307.8	1310.0	1311.1
170°	1320.1	1319.0	1316.8	1314.5	1312.3	1310.1	1312.3	1314.5	1316.8	1319.0	1320.1
172.5°	1326.0	1324.8	1322.4	1319.9	1317.5	1315.1	1317.5	1319.9	1322.4	1324.8	1326.0
175°	1331.0	1329.7	1327.0	1324.4	1321.7	1319.1	1321.7	1324.4	1327.0	1329.7	1331.0
177.5°	1333.0	1331.7	1329.0	1326.4	1323.7	1321.1	1323.7	1326.4	1329.0	1331.7	1333.0
180°	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9	1939.9
2.5°	1824.2	1833.8	1824.2	1830.6	1833.8	1841.9	1845.1	1859.5	1864.4	1875.6	1875.6
5°	1714.9	1719.7	1721.3	1727.7	1734.2	1750.2	1761.5	1782.4	1806.5	1809.7	1824.2
7.5°	1626.5	1634.5	1647.4	1642.6	1653.8	1677.9	1692.4	1718.1	1742.2	1755.1	1772.7
10°	1547.7	1557.4	1562.2	1567.0	1587.9	1608.8	1631.3	1649.0	1681.1	1700.4	1714.9
12.5°	1483.4	1475.4	1485.1	1502.7	1526.8	1539.7	1570.2	1597.6	1621.7	1642.6	1655.4
15°	1399.9	1406.3	1415.9	1446.5	1452.9	1485.1	1496.3	1526.8	1571.8	1591.1	1607.2
17.5°	1319.5	1340.4	1359.7	1370.9	1390.2	1415.9	1448.1	1481.8	1510.8	1533.3	1552.6
20°	1255.2	1276.1	1287.4	1295.4	1314.7	1350.1	1380.6	1422.4	1459.3	1477.0	1502.7
22.5°	1203.8	1203.8	1219.9	1244.0	1255.2	1289.0	1314.7	1359.7	1399.9	1422.4	1446.5
25°	1139.5	1149.2	1162.0	1182.9	1199.0	1226.3	1263.3	1301.8	1345.2	1364.5	1395.1
27.5°	1086.5	1097.7	1115.4	1120.2	1136.3	1160.4	1199.0	1240.8	1285.8	1306.7	1332.4
30°	1046.3	1052.7	1059.1	1068.8	1083.3	1104.1	1136.3	1173.3	1227.9	1244.0	1276.1
32.5°	1010.9	1014.1	1017.4	1025.4	1033.4	1054.3	1080.0	1120.2	1165.2	1189.3	1218.3
35°	978.8	975.6	977.2	982.0	990.0	998.1	1025.4	1059.1	1100.9	1129.9	1152.4
37.5°	948.3	941.8	940.2	940.2	943.4	953.1	974.0	1002.9	1047.9	1072.0	1094.5
40°	914.5	908.1	904.9	903.2	901.6	908.1	924.1	953.1	988.4	1010.9	1036.6
42.5°	882.4	875.9	867.9	866.3	863.1	866.3	877.5	904.9	935.4	957.9	978.8
45°	850.2	839.0	829.3	822.9	824.5	819.7	827.7	848.6	884.0	898.4	919.3
47.5°	814.9	802.0	789.1	782.7	776.3	779.5	782.7	800.4	830.9	845.4	866.3
50°	781.1	763.4	749.0	740.9	736.1	732.9	736.1	753.8	776.3	789.1	806.8
52.5°	742.5	724.8	710.4	697.5	691.1	686.3	687.9	704.0	724.8	737.7	755.4
55°	707.2	684.7	665.4	649.3	644.5	642.9	641.3	652.5	670.2	683.1	697.5
57.5°	667.0	644.5	623.6	604.3	594.7	593.1	593.1	596.3	618.8	628.4	636.5
60°	626.8	602.7	580.2	562.5	548.1	543.2	541.6	548.1	559.3	569.0	580.2
62.5°	581.8	557.7	530.4	514.3	499.8	487.0	491.8	493.4	509.5	514.3	523.9
65°	538.4	511.1	488.6	462.9	446.8	438.8	435.6	438.8	451.6	453.2	459.7
67.5°	488.6	462.9	435.6	417.9	403.4	388.9	385.7	385.7	392.2	397.0	405.0
70°	440.4	414.7	384.1	364.8	350.4	337.5	332.7	331.1	335.9	339.1	347.2
72.5°	384.1	358.4	335.9	315.0	297.3	287.7	282.9	279.7	284.5	287.7	289.3
75°	324.7	303.8	281.3	260.4	249.1	239.5	233.0	228.2	231.4	231.4	231.4
77.5°	268.4	247.5	229.8	215.4	200.9	189.7	184.8	180.0	181.6	181.6	184.8
80°	208.9	194.5	180.0	167.1	154.3	144.6	141.4	136.6	133.4	131.8	131.8
82.5°	154.3	143.0	130.2	118.9	112.5	102.9	99.6	93.2	93.2	91.6	91.6
85°	102.9	96.4	83.6	75.5	70.7	65.9	62.7	59.5	54.6	54.6	53.0
87.5°	54.6	51.4	48.2	38.6	38.6	33.8	32.1	30.5	25.7	27.3	27.3
90°	27.1	25.8	24.5	23.1	21.8	20.0	18.3	16.5	14.8	13.9	12.7
92.5°	26.1	24.8	23.5	22.1	20.8	19.0	17.3	15.5	13.8	12.9	13.1
95°	27.1	25.8	24.5	23.1	21.8	21.6	21.4	21.1	20.9	20.8	24.6
97.5°	26.2	25.1	24.0	22.9	21.8	45.0	68.2	91.3	114.5	126.1	123.7
100°	28.7	32.4	36.2	39.9	43.7	74.1	104.5	135.0	165.4	180.6	178.6
102.5°	53.6	103.2	152.9	202.5	252.1	249.5	246.8	244.2	241.5	240.2	238.9
105°	317.6	315.6	313.7	311.7	309.7	308.6	307.5	306.4	305.3	304.7	304.0
107.5°	377.6	376.5	375.4	374.3	373.2	371.6	370.1	368.5	367.0	366.2	365.9
110°	439.5	439.0	438.6	438.1	437.7	436.4	435.1	433.8	432.5	431.8	431.5

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	499.3	499.5	499.8	500.0	500.2	499.8	499.4	498.9	498.5	498.3	497.6
115°	561.6	561.1	560.7	560.2	559.8	560.0	560.2	560.5	560.7	560.8	560.5
117.5°	622.4	622.6	622.9	623.1	623.3	622.6	622.0	621.3	620.6	620.3	619.9
120°	680.7	680.2	679.8	679.3	678.9	679.1	679.3	679.6	679.8	679.9	679.5
122.5°	736.4	736.2	735.9	735.7	735.5	735.1	734.6	734.2	733.7	733.5	733.3
125°	788.8	788.1	787.4	786.8	786.1	786.5	787.0	787.4	787.9	788.1	787.7
127.5°	839.8	840.0	840.3	840.5	840.7	839.6	838.5	837.4	836.3	835.7	835.6
130°	888.2	888.0	887.7	887.5	887.3	886.6	886.0	885.3	884.6	884.3	884.2
132.5°	934.9	934.7	934.4	934.2	934.0	933.1	932.2	931.3	930.4	930.0	929.8
135°	977.4	977.0	976.5	976.1	975.7	974.8	973.9	973.0	972.1	971.7	971.8
137.5°	1019.1	1018.6	1018.2	1017.7	1017.3	1016.2	1015.1	1014.0	1012.9	1012.4	1012.4
140°	1057.7	1057.0	1056.4	1055.7	1055.1	1054.7	1054.2	1053.8	1053.3	1053.1	1052.9
142.5°	1092.6	1092.1	1091.7	1091.2	1090.8	1090.6	1090.4	1090.1	1089.9	1089.8	1089.4
145°	1125.4	1125.2	1124.9	1124.7	1124.5	1124.5	1124.5	1124.5	1124.5	1124.5	1124.2
147.5°	1155.2	1155.0	1154.7	1154.5	1154.3	1154.5	1154.7	1155.0	1155.2	1155.3	1154.6
150°	1183.1	1183.1	1183.1	1183.1	1183.1	1183.3	1183.5	1183.8	1184.0	1184.1	1183.7
152.5°	1208.7	1208.2	1207.8	1207.3	1206.9	1207.3	1207.8	1208.2	1208.7	1208.9	1208.6
155°	1231.3	1230.4	1229.5	1228.7	1227.8	1228.4	1229.1	1229.7	1230.4	1230.7	1230.6
157.5°	1251.0	1249.9	1248.8	1247.7	1246.6	1247.5	1248.4	1249.3	1250.2	1250.6	1250.6
160°	1269.7	1268.4	1267.1	1265.8	1264.5	1264.7	1264.9	1265.2	1265.4	1265.5	1265.8
162.5°	1284.6	1283.3	1282.0	1280.7	1279.4	1279.6	1279.8	1280.1	1280.3	1280.4	1280.8
165°	1299.3	1297.6	1295.8	1294.1	1292.3	1292.3	1292.3	1292.3	1292.3	1292.3	1292.8
167.5°	1310.1	1308.1	1306.2	1304.2	1302.2	1302.4	1302.6	1302.9	1303.1	1303.2	1303.8
170°	1319.2	1317.4	1315.7	1313.9	1312.1	1311.9	1311.7	1311.4	1311.2	1311.1	1311.8
172.5°	1325.1	1323.4	1321.6	1319.9	1318.1	1317.9	1317.7	1317.4	1317.2	1317.1	1317.8
175°	1330.0	1328.0	1326.1	1324.1	1322.1	1321.9	1321.7	1321.4	1321.2	1321.1	1321.8
177.5°	1332.1	1330.3	1328.6	1326.8	1325.0	1324.6	1324.1	1323.7	1323.2	1323.0	1323.8
180°	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0	1327.0

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1939.9	1939.9	1939.9	1939.9
2.5°	1886.9	1902.9	1917.4	1939.9
5°	1845.1	1867.6	1898.1	1931.9
7.5°	1796.9	1832.2	1872.4	1919.0
10°	1751.9	1792.0	1843.5	1899.7
12.5°	1705.2	1753.5	1809.7	1870.8
15°	1652.2	1700.4	1763.1	1845.1
17.5°	1604.0	1661.8	1729.4	1816.1
20°	1547.7	1602.4	1676.3	1776.0
22.5°	1497.9	1560.6	1642.6	1729.4
25°	1443.3	1497.9	1579.9	1684.3
27.5°	1388.6	1456.1	1534.9	1636.1
30°	1335.6	1391.8	1477.0	1583.1
32.5°	1277.7	1345.2	1424.0	1523.6
35°	1215.0	1279.3	1353.3	1460.9
37.5°	1158.8	1221.5	1297.0	1391.8
40°	1096.1	1162.0	1231.1	1325.9
42.5°	1035.0	1094.5	1163.6	1250.4
45°	975.6	1027.0	1089.7	1165.2
47.5°	914.5	957.9	1015.8	1083.3
50°	848.6	895.2	938.6	994.9
52.5°	787.5	827.7	863.1	909.7
55°	728.1	755.4	784.3	819.7
57.5°	665.4	686.3	707.2	744.1
60°	602.7	622.0	633.2	657.3
62.5°	541.6	549.7	564.1	578.6
65°	474.1	485.4	493.4	511.1
67.5°	413.1	417.9	425.9	437.2
70°	348.8	360.0	363.2	371.3
72.5°	294.1	298.9	302.2	303.8
75°	233.0	237.9	241.1	250.7
77.5°	183.2	181.6	188.0	189.7
80°	135.0	130.2	131.8	138.2
82.5°	88.4	90.0	88.4	88.4
85°	54.6	53.0	49.8	51.4
87.5°	24.1	24.1	22.5	22.5
90°	10.3	7.8	5.4	3.0
92.5°	13.6	14.0	14.5	14.9
95°	32.1	39.6	47.1	54.6
97.5°	118.8	113.9	109.1	104.2
100°	174.7	170.7	166.8	162.8
102.5°	236.2	233.6	230.9	228.3
105°	302.7	301.4	300.1	298.8
107.5°	365.2	364.6	363.9	363.3
110°	430.8	430.1	429.5	428.8

TEST NUMBER: P1000817

CATALOG NUMBER: SA4XXDIP-B1195D1035UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	496.3	495.0	493.6	492.3
115°	559.8	559.1	558.5	557.8
117.5°	619.0	618.1	617.3	616.4
120°	678.6	677.7	676.8	675.9
122.5°	732.8	732.4	731.9	731.5
125°	786.8	785.9	785.0	784.1
127.5°	835.4	835.1	834.9	834.7
130°	884.0	883.8	883.6	883.4
132.5°	929.3	928.9	928.4	928.0
135°	972.0	972.3	972.5	972.7
137.5°	1012.4	1012.4	1012.4	1012.4
140°	1052.4	1052.0	1051.5	1051.1
142.5°	1088.5	1087.6	1086.7	1085.8
145°	1123.5	1122.9	1122.2	1121.6
147.5°	1153.3	1152.0	1150.7	1149.4
150°	1182.8	1181.9	1181.0	1180.1
152.5°	1207.9	1207.2	1206.6	1205.9
155°	1230.4	1230.1	1229.9	1229.7
157.5°	1250.6	1250.6	1250.6	1250.6
160°	1266.5	1267.2	1267.8	1268.5
162.5°	1281.7	1282.6	1283.4	1284.3
165°	1293.9	1295.0	1296.1	1297.2
167.5°	1304.9	1306.0	1307.1	1308.2
170°	1313.1	1314.4	1315.8	1317.1
172.5°	1319.1	1320.4	1321.7	1323.0
175°	1323.1	1324.4	1325.7	1327.0
177.5°	1325.3	1326.9	1328.4	1330.0
180°	1327.0	1327.0	1327.0	1327.0

(END OF REPORT)