

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: P1001053

Luminaire Tested: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1001053
REPORT IS A COMBINATION OF REPORTS P995669 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K
Description: Define 4 Direct/Indirect Pendant with 3000K BioUP LEDs {m-DER=0.589} {m-EER=0.647}
Light Source: -
Ballast/Driver: -

Summary

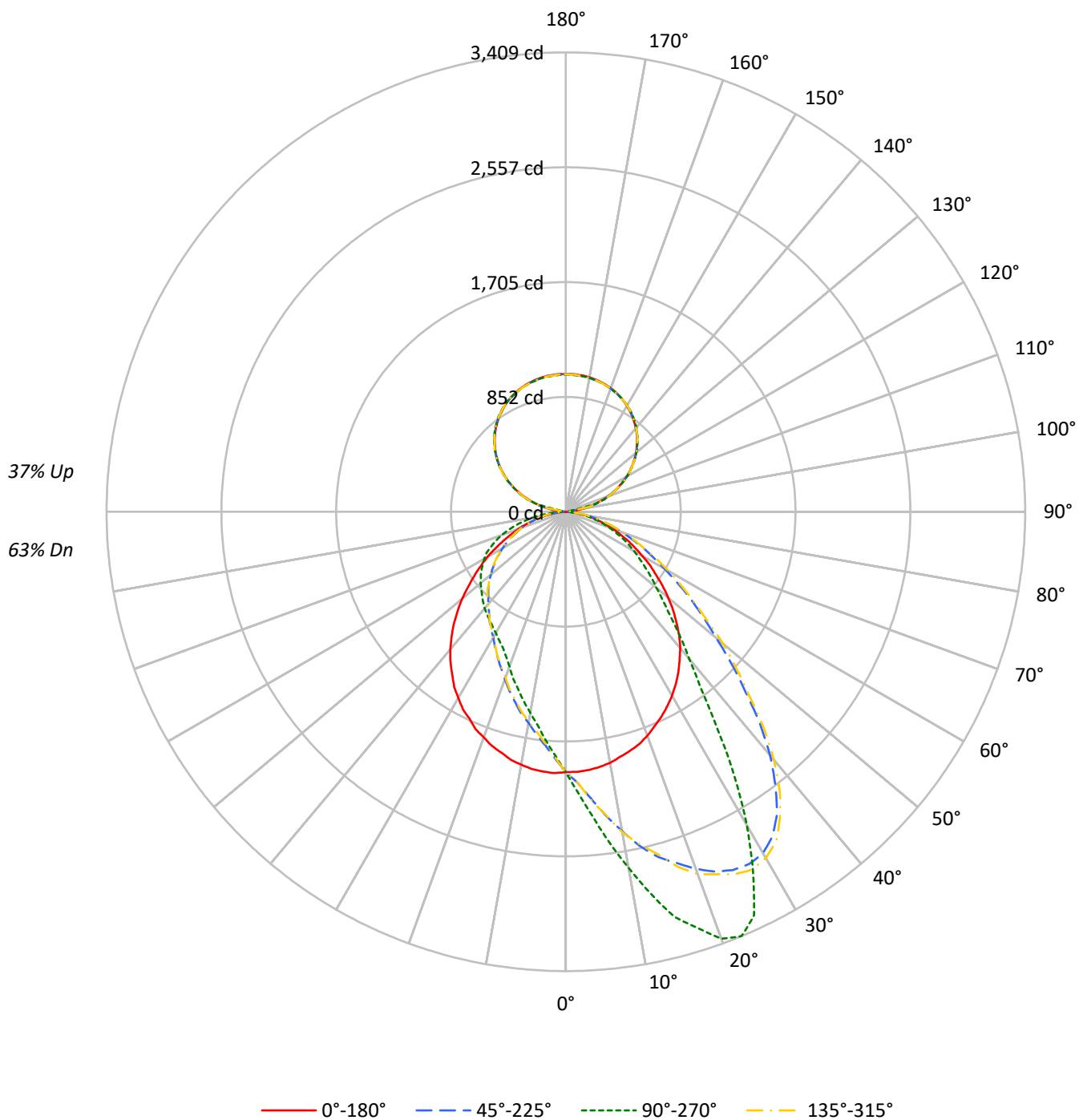
Lumens per Lamp: N/A
Luminaire Lumens: 8491.0 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 82.4
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	50	30	10
RCR																				
0	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	68	68	68
1	101	97	93	89	94	91	87	84	80	77	75	70	68	66	60	59	58	58	58	53
2	92	85	79	73	86	80	74	70	70	66	63	62	58	56	54	51	49	49	49	45
3	84	75	67	62	79	70	64	59	62	57	53	55	51	47	48	45	42	42	42	39
4	77	66	58	52	72	63	56	50	56	50	45	49	45	41	43	39	37	37	37	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	36	39	35	32	32	32	29
6	66	53	45	39	61	51	43	38	45	39	35	40	35	31	35	31	28	28	28	26
7	61	48	40	35	57	46	39	33	41	35	31	36	32	28	32	28	25	25	25	23
8	57	44	36	31	53	42	35	30	38	32	27	33	29	25	30	26	23	23	23	21
9	53	40	33	28	49	38	31	27	34	29	25	31	26	23	27	23	21	21	21	19
10	49	37	30	25	46	35	29	24	32	26	22	29	24	21	25	22	19	19	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15751	15751	15751	15751
5°	15712	18070	15803	13578
10°	15594	21082	15713	11912
15°	15406	24304	15513	10659
20°	15207	26353	15317	9556
25°	14916	26052	15058	8743
30°	14631	21533	14809	8323
35°	14232	16047	14389	8069
40°	13765	12088	13898	7945
45°	13053	9702	13215	7776
50°	12203	8174	12381	7697
55°	11204	7114	11380	7606
60°	10231	6264	10531	7479
65°	9320	5390	9408	7168
70°	8248	4435	8426	6600
75°	7193	3407	7147	5608
80°	5659	2239	5593	4256
85°	3726	1006	3493	2482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 145°

Vertical Angle: 45°

Luminance: 20367 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.0	2.2
10°-20°	580.2	6.8
20°-30°	921.8	10.9
30°-40°	1024.3	12.1
40°-50°	931.5	11.0
50°-60°	761.2	9.0
60°-70°	543.3	6.4
70°-80°	299.0	3.5
80°-90°	82.9	1.0
90°-100°	33.9	0.4
100°-110°	223.1	2.6
110°-120°	426.1	5.0
120°-130°	541.0	6.4
130°-140°	578.7	6.8
140°-150°	541.2	6.4
150°-160°	436.4	5.1
160°-170°	281.4	3.3
170°-180°	97.0	1.1
0°-30°	1690.0	19.9
0°-40°	2714.3	32.0
0°-60°	4406.9	51.9
0°-90°	5332.1	62.8
90°-120°	683.2	8.0
90°-150°	2344.0	27.6
90°-180°	3159.0	37.2
0°-180°	8491.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1932	1932	1932	1932	1932	
5°	1924	2266	1935	1703	1924	183
15°	1837	3113	1850	1365	1837	518
25°	1677	3305	1693	1109	1677	773
35°	1455	1954	1471	983	1455	909
45°	1160	1096	1175	879	1160	895
55°	816	717	829	766	816	734
65°	509	461	514	613	509	503
75°	250	230	248	379	250	262
85°	51	48	48	118	51	60
90°	2	23	2	23	2	5
95°	42	22	42	22	42	52
105°	230	218	230	218	230	241
115°	429	432	429	432	429	422
125°	603	608	603	608	603	539
135°	748	754	748	754	748	577
145°	863	867	863	867	863	539
155°	946	945	946	945	946	436
165°	998	993	998	993	998	282
175°	1021	1015	1021	1015	1021	97
180°	1021	1021	1021	1021	1021	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	1931.6	1950.8	1958.8	1965.2	1986.0	1992.4	1994.0	2003.6	2011.6	2013.2	2013.2
5°	1923.6	1954.0	1978.0	2000.4	2034.0	2048.4	2066.0	2085.2	2110.8	2126.8	2134.8
7.5°	1910.8	1955.6	1992.4	2030.8	2077.2	2106.0	2122.0	2173.2	2208.4	2237.2	2272.4
10°	1891.6	1949.2	2002.0	2058.0	2123.6	2158.8	2194.0	2256.4	2306.0	2362.0	2406.8
12.5°	1862.7	1938.0	2002.0	2080.4	2162.0	2203.6	2245.2	2354.0	2411.6	2461.3	2541.3
15°	1837.1	1912.4	2003.6	2083.6	2184.4	2246.8	2307.6	2378.0	2469.3	2576.5	2653.3
17.5°	1808.3	1902.8	1987.6	2099.6	2211.6	2270.8	2320.4	2429.3	2557.3	2662.9	2733.3
20°	1768.3	1864.3	1976.4	2094.8	2227.6	2274.0	2339.6	2485.3	2600.5	2704.5	2819.7
22.5°	1721.9	1833.9	1952.4	2066.0	2203.6	2301.2	2373.2	2501.3	2640.5	2760.5	2890.1
25°	1677.1	1798.7	1902.8	2058.0	2203.6	2269.2	2350.8	2502.9	2654.9	2800.5	2933.3
27.5°	1629.1	1742.7	1883.6	2006.8	2171.6	2243.6	2331.6	2498.1	2659.7	2805.3	2947.7
30°	1576.3	1697.9	1814.7	1960.4	2120.4	2213.2	2294.8	2475.7	2640.5	2792.5	2925.3
32.5°	1517.1	1632.3	1757.1	1894.8	2062.8	2157.2	2259.6	2445.3	2621.3	2752.5	2854.9
35°	1454.7	1571.5	1680.3	1821.1	1994.0	2088.4	2187.6	2392.4	2566.9	2674.1	2733.3
37.5°	1385.9	1496.3	1603.5	1742.7	1915.6	2016.4	2117.2	2315.6	2480.5	2570.1	2554.1
40°	1320.2	1419.5	1518.7	1649.9	1830.7	1938.0	2026.0	2226.0	2370.0	2408.4	2355.6
42.5°	1245.0	1329.8	1425.9	1560.3	1736.3	1837.1	1947.6	2130.0	2237.2	2221.2	2131.6
45°	1160.2	1235.4	1331.4	1457.9	1637.1	1741.1	1833.9	2006.8	2085.2	2045.2	1882.0
47.5°	1078.6	1152.2	1230.6	1357.1	1531.5	1619.5	1713.9	1869.1	1914.0	1829.1	1665.9
50°	990.6	1051.4	1133.0	1253.0	1416.3	1509.1	1587.5	1712.3	1728.3	1624.3	1454.7
52.5°	905.8	957.0	1035.4	1153.8	1305.8	1379.5	1456.3	1566.7	1553.9	1446.7	1283.4
55°	816.2	864.2	936.2	1045.0	1179.4	1249.8	1315.4	1413.1	1385.9	1275.4	1133.0
57.5°	740.9	774.5	845.0	945.8	1056.2	1133.0	1189.0	1265.8	1224.2	1113.8	981.0
60°	654.5	696.1	755.3	837.0	945.8	997.0	1046.6	1097.8	1069.0	963.4	845.0
62.5°	576.1	608.1	659.3	737.7	822.6	869.0	921.8	953.8	925.0	827.4	728.1
65°	508.9	534.5	574.5	638.5	720.1	758.5	788.9	819.4	795.3	704.1	632.1
67.5°	435.3	457.7	491.3	542.5	611.3	638.5	667.3	688.1	660.9	600.1	529.7
70°	369.7	385.7	417.7	456.1	504.1	529.7	553.7	574.5	550.5	499.3	446.5
72.5°	302.5	315.3	344.1	371.3	414.5	432.1	449.7	465.7	457.7	409.7	366.5
75°	249.6	254.4	273.7	296.1	323.3	342.5	355.3	364.9	358.5	320.1	292.9
77.5°	188.8	195.2	209.6	227.2	251.2	262.4	270.5	280.1	272.1	241.6	222.4
80°	137.6	139.2	147.2	163.2	179.2	180.8	188.8	201.6	196.8	176.0	161.6
82.5°	88.0	92.8	96.0	105.6	116.8	120.0	124.8	128.0	126.4	113.6	108.8
85°	51.2	51.2	54.4	60.8	64.0	68.8	70.4	72.0	75.2	67.2	62.4
87.5°	22.4	24.0	24.0	25.6	28.8	28.8	30.4	32.0	33.6	32.0	27.2
90°	2.3	4.2	6.0	7.9	9.8	10.7	11.4	12.7	14.1	15.4	16.8
92.5°	11.5	11.1	10.8	10.4	10.1	9.9	10.6	11.9	13.3	14.6	16.0
95°	42.0	36.2	30.4	24.7	18.9	16.0	16.1	16.3	16.4	16.6	16.8
97.5°	80.2	83.9	87.7	91.4	95.1	97.0	88.1	70.3	52.4	34.6	16.8
100°	125.2	128.3	131.3	134.4	137.5	139.0	127.3	103.9	80.4	57.0	33.6
102.5°	175.6	177.6	179.7	181.7	183.8	184.8	185.8	187.8	189.9	191.9	193.9
105°	229.8	230.8	231.8	232.9	233.9	234.4	234.8	235.7	236.5	237.4	238.2
107.5°	279.5	280.0	280.5	281.0	281.5	281.7	282.3	283.5	284.7	285.9	287.1
110°	329.9	330.4	330.9	331.4	331.9	332.1	332.6	333.6	334.7	335.7	336.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	378.7	379.7	380.7	381.8	382.8	383.3	383.5	383.8	384.1	384.5	384.8
115°	429.1	429.6	430.1	430.6	431.1	431.4	431.3	431.1	431.0	430.8	430.6
117.5°	474.2	474.9	475.5	476.2	476.9	477.2	477.5	478.0	478.5	479.0	479.5
120°	520.0	520.7	521.3	522.0	522.7	523.0	522.9	522.8	522.6	522.5	522.3
122.5°	562.7	563.1	563.4	563.8	564.1	564.3	564.5	564.8	565.1	565.5	565.8
125°	603.2	603.9	604.6	605.3	606.0	606.3	606.1	605.8	605.4	605.1	604.7
127.5°	642.1	642.3	642.5	642.6	642.8	642.9	643.3	644.2	645.0	645.9	646.7
130°	679.6	679.8	679.9	680.1	680.2	680.3	680.6	681.1	681.6	682.1	682.6
132.5°	713.9	714.2	714.6	714.9	715.2	715.4	715.7	716.4	717.1	717.8	718.5
135°	748.3	748.1	747.9	747.8	747.6	747.5	747.8	748.5	749.2	749.9	750.6
137.5°	778.8	778.8	778.8	778.8	778.8	778.8	779.2	780.1	780.9	781.8	782.6
140°	808.6	808.9	809.3	809.6	809.9	810.1	810.3	810.6	810.9	811.3	811.6
142.5°	835.3	836.0	836.7	837.4	838.1	838.4	838.5	838.6	838.8	838.9	839.1
145°	862.8	863.3	863.8	864.3	864.8	865.1	865.1	865.1	865.1	865.1	865.1
147.5°	884.2	885.2	886.2	887.3	888.3	888.8	888.7	888.5	888.4	888.2	888.0
150°	907.9	908.6	909.2	909.9	910.6	910.9	910.8	910.6	910.5	910.3	910.1
152.5°	927.7	928.2	928.7	929.2	929.7	930.0	929.8	929.5	929.2	928.8	928.5
155°	946.0	946.2	946.4	946.5	946.7	946.8	946.5	946.0	945.5	945.0	944.5
157.5°	962.1	962.1	962.1	962.1	962.1	962.1	961.8	961.1	960.4	959.7	959.0
160°	975.8	975.3	974.8	974.3	973.8	973.5	973.4	973.3	973.1	973.0	972.8
162.5°	988.0	987.3	986.7	986.0	985.3	985.0	984.9	984.7	984.6	984.4	984.2
165°	998.0	997.1	996.3	995.4	994.5	994.1	994.1	994.1	994.1	994.1	994.1
167.5°	1006.3	1005.5	1004.6	1003.8	1002.9	1002.5	1002.4	1002.3	1002.1	1002.0	1001.8
170°	1013.2	1012.2	1011.2	1010.1	1009.1	1008.6	1008.7	1008.9	1009.0	1009.2	1009.4
172.5°	1017.8	1016.8	1015.8	1014.7	1013.7	1013.2	1013.3	1013.5	1013.6	1013.8	1014.0
175°	1020.9	1019.9	1018.9	1017.8	1016.8	1016.3	1016.4	1016.5	1016.7	1016.8	1017.0
177.5°	1023.1	1021.9	1020.7	1019.6	1018.4	1017.8	1018.0	1018.3	1018.6	1019.0	1019.3
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	2018.0	2046.8	2059.6	2062.8	2080.4	2069.2	2074.0	2072.4	2085.2	2086.8	2086.8
5°	2165.2	2198.8	2210.0	2226.0	2250.0	2256.4	2251.6	2261.2	2278.8	2266.0	2285.2
7.5°	2320.4	2357.2	2382.8	2418.1	2426.1	2446.9	2459.7	2470.9	2474.1	2475.7	2478.9
10°	2464.5	2510.9	2546.1	2605.3	2618.1	2629.3	2685.3	2662.9	2691.7	2682.1	2685.3
12.5°	2581.3	2672.5	2701.3	2800.5	2810.1	2848.5	2845.3	2880.5	2886.9	2899.7	2886.9
15°	2734.9	2840.5	2886.9	2942.9	2975.0	3019.8	3027.8	3075.8	3095.0	3112.6	3095.0
17.5°	2875.7	2931.7	3050.2	3095.0	3115.8	3139.8	3200.6	3218.2	3247.0	3235.8	3267.8
20°	2946.1	3026.2	3151.0	3227.8	3259.8	3282.2	3333.4	3360.6	3371.8	3371.8	3375.0
22.5°	3008.6	3123.8	3216.6	3304.6	3333.4	3349.4	3379.8	3400.6	3405.4	3408.6	3411.8
25°	3064.6	3168.6	3243.8	3293.4	3304.6	3304.6	3322.2	3309.4	3288.6	3304.6	3314.2
27.5°	3064.6	3138.2	3171.8	3189.4	3189.4	3146.2	3120.6	3067.8	3023.0	3010.2	3039.0
30°	3013.4	3047.0	3000.6	2957.4	2923.7	2894.9	2794.1	2714.1	2698.1	2686.9	2730.1
32.5°	2894.9	2851.7	2760.5	2635.7	2586.1	2520.5	2442.1	2381.2	2344.4	2331.6	2322.0
35°	2685.3	2573.3	2454.9	2286.8	2251.6	2168.4	2061.2	2016.4	1955.6	1954.0	1974.8
37.5°	2456.5	2283.6	2155.6	1995.6	1946.0	1857.9	1757.1	1710.7	1669.1	1637.1	1675.5
40°	2189.2	2038.8	1843.5	1712.3	1641.9	1595.5	1510.7	1459.5	1440.3	1424.3	1448.3
42.5°	1939.6	1774.7	1622.7	1488.3	1430.7	1377.9	1321.8	1272.2	1257.8	1256.2	1273.8
45°	1691.5	1529.9	1389.1	1273.8	1237.0	1205.0	1150.6	1136.2	1112.2	1096.2	1104.2
47.5°	1493.1	1326.6	1209.8	1121.8	1089.8	1062.6	1027.4	1003.4	982.6	976.2	985.8
50°	1297.8	1185.8	1065.8	992.2	968.2	942.6	915.4	893.0	883.4	877.0	883.4
52.5°	1141.0	1021.0	939.4	880.2	856.2	837.0	817.8	808.2	795.3	798.5	804.9
55°	1000.2	894.6	825.8	782.5	768.1	760.1	736.1	724.9	720.1	716.9	720.1
57.5°	867.4	790.5	739.3	702.5	683.3	678.5	659.3	659.3	654.5	649.7	651.3
60°	761.7	696.1	646.5	617.7	614.5	606.5	593.7	592.1	580.9	585.7	587.3
62.5°	654.5	601.7	568.1	550.5	539.3	536.1	528.1	526.5	521.7	523.3	520.1
65°	569.7	526.5	492.9	478.5	473.7	472.1	465.7	460.9	457.7	460.9	457.7
67.5°	484.9	456.1	430.5	416.1	409.7	408.1	403.3	400.1	401.7	396.9	400.1
70°	404.9	376.1	360.1	352.1	348.9	344.1	344.1	344.1	344.1	340.9	339.3
72.5°	340.9	312.1	300.9	296.1	292.9	291.3	286.5	288.1	286.5	284.9	291.3
75°	270.5	252.8	241.6	236.8	240.0	235.2	230.4	233.6	228.8	230.4	236.8
77.5°	204.8	196.8	190.4	187.2	184.0	180.8	180.8	177.6	177.6	177.6	177.6
80°	148.8	147.2	136.0	134.4	134.4	131.2	131.2	131.2	131.2	129.6	131.2
82.5°	99.2	97.6	94.4	92.8	89.6	91.2	91.2	88.0	88.0	86.4	88.0
85°	57.6	57.6	54.4	52.8	51.2	52.8	49.6	48.0	49.6	48.0	49.6
87.5°	27.2	24.0	25.6	24.0	20.8	22.4	19.2	20.8	19.2	17.6	20.8
90°	17.8	18.8	19.9	20.9	21.4	21.6	21.9	22.2	22.6	22.9	22.6
92.5°	17.0	18.0	19.1	20.1	20.6	20.6	20.6	20.6	20.6	20.6	20.6
95°	17.8	18.8	19.9	20.9	21.4	21.5	21.6	21.8	21.9	22.1	21.9
97.5°	17.6	18.5	19.3	20.2	20.6	20.7	20.9	21.0	21.2	21.4	21.2
100°	30.7	27.8	24.9	22.0	20.6	20.7	20.9	21.0	21.2	21.4	21.2
102.5°	155.7	117.5	79.4	41.2	22.1	22.1	22.1	22.1	22.1	22.1	22.1
105°	239.7	241.3	242.8	244.3	245.1	242.0	235.9	229.8	223.7	217.6	223.7
107.5°	287.9	288.8	289.6	290.5	290.9	291.2	291.9	292.6	293.3	294.0	293.3
110°	337.0	337.4	337.7	338.0	338.2	338.5	339.0	339.5	340.0	340.5	340.0

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CATALOG NUMBER: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	384.6	384.5	384.3	384.2	384.1	384.4	385.1	385.8	386.4	387.1	386.4
115°	431.0	431.3	431.7	432.0	432.2	432.2	432.2	432.2	432.2	432.2	432.2
117.5°	479.3	479.1	479.0	478.8	478.7	478.7	478.7	478.7	478.7	478.7	478.7
120°	522.6	523.0	523.3	523.6	523.8	523.6	523.3	523.0	522.6	522.3	522.6
122.5°	566.0	566.1	566.3	566.4	566.5	566.3	566.0	565.7	565.3	565.0	565.3
125°	605.2	605.7	606.2	606.7	607.0	607.1	607.3	607.4	607.6	607.8	607.6
127.5°	646.5	646.4	646.2	646.1	646.0	645.9	645.7	645.6	645.4	645.2	645.4
130°	682.8	683.0	683.1	683.3	683.4	683.4	683.4	683.4	683.4	683.4	683.4
132.5°	718.7	718.9	719.0	719.2	719.3	719.2	719.0	718.9	718.7	718.5	718.7
135°	750.9	751.3	751.6	751.9	752.1	752.3	752.6	752.9	753.3	753.6	753.3
137.5°	783.0	783.3	783.7	784.0	784.2	784.1	783.9	783.8	783.6	783.4	783.6
140°	812.1	812.6	813.1	813.6	813.9	814.0	814.2	814.3	814.5	814.7	814.5
142.5°	839.5	839.8	840.2	840.5	840.7	840.7	840.7	840.7	840.7	840.7	840.7
145°	865.3	865.5	865.6	865.8	865.9	866.1	866.4	866.7	867.1	867.4	867.1
147.5°	888.2	888.4	888.5	888.7	888.8	888.9	889.0	889.2	889.3	889.5	889.3
150°	910.1	910.1	910.1	910.1	910.1	910.2	910.4	910.5	910.7	910.9	910.7
152.5°	928.8	929.2	929.5	929.8	930.0	929.9	929.7	929.6	929.4	929.2	929.4
155°	945.2	945.9	946.6	947.3	947.6	947.3	946.8	946.3	945.8	945.3	945.8
157.5°	959.8	960.7	961.5	962.4	962.8	962.4	961.5	960.7	959.8	959.0	959.8
160°	973.8	974.8	975.8	976.8	977.3	976.8	975.8	974.8	973.8	972.8	973.8
162.5°	985.2	986.2	987.3	988.3	988.8	988.2	987.0	985.8	984.6	983.4	984.6
165°	995.5	996.8	998.2	999.5	1000.2	999.4	997.9	996.4	994.9	993.4	994.9
167.5°	1003.3	1004.8	1006.3	1007.8	1008.6	1007.8	1006.1	1004.4	1002.7	1001.0	1002.7
170°	1010.8	1012.1	1013.5	1014.8	1015.5	1014.7	1013.0	1011.3	1009.6	1007.9	1009.6
172.5°	1015.4	1016.7	1018.1	1019.4	1020.1	1019.2	1017.3	1015.4	1013.6	1011.7	1013.6
175°	1018.5	1020.1	1021.6	1023.1	1023.9	1022.9	1020.8	1018.8	1016.7	1014.7	1016.7
177.5°	1020.7	1022.0	1023.4	1024.7	1025.4	1024.4	1022.4	1020.3	1018.3	1016.3	1018.3
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	2083.6	2078.8	2072.4	2072.4	2064.4	2064.4	2051.6	2029.2	2010.0	2003.6	2006.8
5°	2261.2	2262.8	2253.2	2245.2	2230.8	2219.6	2198.8	2158.8	2146.0	2120.4	2102.8
7.5°	2464.5	2458.1	2440.5	2427.7	2424.5	2398.8	2354.0	2306.0	2267.6	2242.0	2205.2
10°	2693.3	2667.7	2642.1	2634.1	2614.9	2571.7	2520.5	2467.7	2414.8	2358.8	2296.4
12.5°	2885.3	2835.7	2834.1	2814.9	2778.1	2754.1	2693.3	2618.1	2526.9	2464.5	2394.0
15°	3091.8	3045.4	3007.0	2971.8	2954.2	2883.7	2832.5	2738.1	2629.3	2562.1	2514.1
17.5°	3239.0	3218.2	3152.6	3136.6	3112.6	3031.0	2949.3	2856.5	2762.1	2667.7	2538.1
20°	3357.4	3344.6	3301.4	3279.0	3240.6	3176.6	3077.4	2970.2	2861.3	2726.9	2605.3
22.5°	3408.6	3392.6	3357.4	3338.2	3314.2	3259.8	3175.0	3053.4	2910.9	2790.9	2661.3
25°	3307.8	3336.6	3327.0	3319.0	3309.4	3277.4	3213.4	3106.2	2967.0	2830.9	2669.3
27.5°	3080.6	3130.2	3178.2	3184.6	3200.6	3213.4	3187.8	3111.0	2994.2	2850.1	2672.5
30°	2774.9	2797.3	2894.9	2923.7	2946.1	3027.8	3075.8	3056.6	2967.0	2837.3	2674.1
32.5°	2382.8	2442.1	2541.3	2610.1	2670.9	2762.1	2886.9	2936.5	2904.5	2798.9	2637.3
35°	2011.6	2082.0	2197.2	2285.2	2346.0	2475.7	2622.9	2730.1	2770.1	2717.3	2573.3
37.5°	1707.5	1792.3	1894.8	1928.4	1998.8	2158.8	2362.0	2510.9	2608.5	2613.3	2501.3
40°	1478.7	1521.9	1603.5	1654.7	1723.5	1857.9	2056.4	2253.2	2400.4	2450.1	2390.8
42.5°	1285.0	1318.6	1379.5	1441.9	1504.3	1606.7	1789.1	1973.2	2171.6	2270.8	2269.2
45°	1131.4	1166.6	1208.2	1259.4	1302.6	1413.1	1557.1	1745.9	1917.2	2070.8	2109.2
47.5°	997.0	1027.4	1078.6	1101.0	1129.8	1233.8	1358.7	1534.7	1712.3	1888.4	1933.2
50°	897.8	923.4	958.6	973.0	1005.0	1081.8	1184.2	1326.6	1523.5	1685.1	1768.3
52.5°	808.2	827.4	854.6	865.8	888.2	945.8	1038.6	1150.6	1313.8	1480.3	1597.1
55°	731.3	744.1	763.3	776.1	792.1	843.4	912.2	1013.0	1153.8	1297.8	1411.5
57.5°	659.3	668.9	688.1	694.5	707.3	747.3	795.3	880.2	1009.8	1137.8	1248.2
60°	592.1	598.5	609.7	624.1	633.7	660.9	705.7	776.1	880.2	997.0	1086.6
62.5°	528.1	537.7	540.9	547.3	555.3	580.9	616.1	667.3	758.5	854.6	949.0
65°	462.5	470.5	476.9	478.5	486.5	505.7	537.7	582.5	641.7	724.9	813.0
67.5°	401.7	406.5	409.7	416.1	424.1	433.7	459.3	492.9	547.3	614.5	684.9
70°	345.7	345.7	350.5	352.1	361.7	372.9	384.1	416.1	464.1	518.5	566.5
72.5°	284.9	292.9	291.3	299.3	297.7	305.7	320.1	340.9	376.1	419.3	465.7
75°	232.0	236.8	236.8	236.8	240.0	246.4	254.4	273.7	300.9	336.1	363.3
77.5°	180.8	184.0	184.0	184.0	185.6	192.0	200.0	212.8	232.0	252.8	268.9
80°	129.6	132.8	132.8	136.0	136.0	137.6	145.6	152.0	161.6	177.6	193.6
82.5°	88.0	89.6	92.8	92.8	91.2	94.4	96.0	102.4	112.0	115.2	126.4
85°	48.0	49.6	51.2	51.2	52.8	56.0	54.4	60.8	60.8	67.2	70.4
87.5°	19.2	22.4	22.4	20.8	22.4	22.4	22.4	25.6	27.2	28.8	27.2
90°	22.2	21.9	21.6	21.4	20.9	19.9	18.8	17.8	16.8	15.4	14.1
92.5°	20.6	20.6	20.6	20.6	20.1	19.1	18.0	17.0	16.0	14.6	13.3
95°	21.8	21.6	21.5	21.4	20.9	19.9	18.8	17.8	16.8	16.6	16.4
97.5°	21.0	20.9	20.7	20.6	20.2	19.3	18.5	17.6	16.8	34.6	52.4
100°	21.0	20.9	20.7	20.6	22.0	24.9	27.8	30.7	33.6	57.0	80.4
102.5°	22.1	22.1	22.1	22.1	41.2	79.4	117.5	155.7	193.9	191.9	189.9
105°	229.8	235.9	242.0	245.1	244.3	242.8	241.3	239.7	238.2	237.4	236.5
107.5°	292.6	291.9	291.2	290.9	290.5	289.6	288.8	287.9	287.1	285.9	284.7
110°	339.5	339.0	338.5	338.2	338.0	337.7	337.4	337.0	336.7	335.7	334.7

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	385.8	385.1	384.4	384.1	384.2	384.3	384.5	384.6	384.8	384.5	384.1
115°	432.2	432.2	432.2	432.2	432.0	431.7	431.3	431.0	430.6	430.8	431.0
117.5°	478.7	478.7	478.7	478.7	478.8	479.0	479.1	479.3	479.5	479.0	478.5
120°	523.0	523.3	523.6	523.8	523.6	523.3	523.0	522.6	522.3	522.5	522.6
122.5°	565.7	566.0	566.3	566.5	566.4	566.3	566.1	566.0	565.8	565.5	565.1
125°	607.4	607.3	607.1	607.0	606.7	606.2	605.7	605.2	604.7	605.1	605.4
127.5°	645.6	645.7	645.9	646.0	646.1	646.2	646.4	646.5	646.7	645.9	645.0
130°	683.4	683.4	683.4	683.4	683.3	683.1	683.0	682.8	682.6	682.1	681.6
132.5°	718.9	719.0	719.2	719.3	719.2	719.0	718.9	718.7	718.5	717.8	717.1
135°	752.9	752.6	752.3	752.1	751.9	751.6	751.3	750.9	750.6	749.9	749.2
137.5°	783.8	783.9	784.1	784.2	784.0	783.7	783.3	783.0	782.6	781.8	780.9
140°	814.3	814.2	814.0	813.9	813.6	813.1	812.6	812.1	811.6	811.3	810.9
142.5°	840.7	840.7	840.7	840.7	840.5	840.2	839.8	839.5	839.1	838.9	838.8
145°	866.7	866.4	866.1	865.9	865.8	865.6	865.5	865.3	865.1	865.1	865.1
147.5°	889.2	889.0	888.9	888.8	888.7	888.5	888.4	888.2	888.0	888.2	888.4
150°	910.5	910.4	910.2	910.1	910.1	910.1	910.1	910.1	910.1	910.3	910.5
152.5°	929.6	929.7	929.9	930.0	929.8	929.5	929.2	928.8	928.5	928.8	929.2
155°	946.3	946.8	947.3	947.6	947.3	946.6	945.9	945.2	944.5	945.0	945.5
157.5°	960.7	961.5	962.4	962.8	962.4	961.5	960.7	959.8	959.0	959.7	960.4
160°	974.8	975.8	976.8	977.3	976.8	975.8	974.8	973.8	972.8	973.0	973.1
162.5°	985.8	987.0	988.2	988.8	988.3	987.3	986.2	985.2	984.2	984.4	984.6
165°	996.4	997.9	999.4	1000.2	999.5	998.2	996.8	995.5	994.1	994.1	994.1
167.5°	1004.4	1006.1	1007.8	1008.6	1007.8	1006.3	1004.8	1003.3	1001.8	1002.0	1002.1
170°	1011.3	1013.0	1014.7	1015.5	1014.8	1013.5	1012.1	1010.8	1009.4	1009.2	1009.0
172.5°	1015.4	1017.3	1019.2	1020.1	1019.4	1018.1	1016.7	1015.4	1014.0	1013.8	1013.6
175°	1018.8	1020.8	1022.9	1023.9	1023.1	1021.6	1020.1	1018.5	1017.0	1016.8	1016.7
177.5°	1020.3	1022.4	1024.4	1025.4	1024.7	1023.4	1022.0	1020.7	1019.3	1019.0	1018.6
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	1992.4	1986.0	1981.2	1981.2	1966.8	1952.4	1944.4	1941.2	1938.0	1925.2	1907.6
5°	2074.0	2053.2	2038.8	2024.4	2000.4	1974.8	1949.2	1934.8	1914.0	1885.2	1864.3
7.5°	2165.2	2115.6	2099.6	2082.0	2034.0	1990.8	1955.6	1925.2	1891.6	1854.7	1817.9
10°	2242.0	2189.2	2154.0	2123.6	2061.2	2003.6	1950.8	1906.0	1862.7	1814.7	1769.9
12.5°	2315.6	2240.4	2203.6	2158.8	2093.2	2010.0	1941.2	1885.2	1821.1	1771.5	1717.1
15°	2418.1	2291.6	2230.8	2202.0	2114.0	2016.4	1933.2	1849.9	1797.1	1721.9	1673.9
17.5°	2434.1	2331.6	2291.6	2218.0	2112.4	2002.0	1906.0	1822.7	1742.7	1675.5	1613.1
20°	2490.1	2355.6	2291.6	2245.2	2106.0	1994.0	1888.4	1781.1	1704.3	1632.3	1561.9
22.5°	2525.3	2373.2	2306.0	2232.4	2099.6	1965.2	1840.3	1747.5	1653.1	1579.5	1523.5
25°	2515.7	2363.6	2288.4	2219.6	2058.0	1923.6	1811.5	1693.1	1605.1	1525.1	1451.5
27.5°	2510.9	2339.6	2259.6	2182.8	2030.8	1890.0	1749.1	1653.1	1555.5	1462.7	1408.3
30°	2498.1	2309.2	2216.4	2133.2	1974.8	1827.5	1707.5	1595.5	1497.9	1413.1	1341.0
32.5°	2454.9	2258.0	2168.4	2078.8	1914.0	1766.7	1645.1	1541.1	1443.5	1355.5	1286.6
35°	2397.2	2197.2	2099.6	2005.2	1840.3	1691.5	1579.5	1470.7	1379.5	1294.6	1229.0
37.5°	2339.6	2126.8	2035.6	1926.8	1774.7	1619.5	1504.3	1406.7	1321.8	1233.8	1161.8
40°	2256.4	2043.6	1942.8	1849.9	1672.3	1526.7	1421.1	1333.0	1249.8	1166.6	1105.8
42.5°	2142.8	1952.4	1848.3	1745.9	1579.5	1435.5	1333.0	1254.6	1176.2	1107.4	1040.2
45°	2027.6	1841.9	1749.1	1657.9	1477.1	1341.0	1246.6	1174.6	1109.0	1033.8	979.4
47.5°	1888.4	1731.5	1638.7	1549.1	1377.9	1241.8	1155.4	1088.2	1027.4	965.0	913.8
50°	1745.9	1609.9	1525.1	1432.3	1269.0	1145.8	1061.0	1005.0	955.4	896.2	854.6
52.5°	1592.3	1473.9	1401.9	1312.2	1168.2	1054.6	968.2	912.2	870.6	827.4	790.5
55°	1429.1	1342.7	1265.8	1193.8	1057.8	955.4	878.6	829.0	800.1	760.1	728.1
57.5°	1281.8	1198.6	1152.2	1070.6	952.2	851.4	790.5	748.9	715.3	691.3	665.7
60°	1128.2	1061.0	1009.8	950.6	846.6	761.7	697.7	673.7	638.5	620.9	609.7
62.5°	981.0	933.0	885.0	840.2	747.3	667.3	619.3	588.9	568.1	550.5	540.9
65°	841.8	796.9	763.3	723.3	646.5	582.5	537.7	513.7	492.9	488.1	476.9
67.5°	705.7	686.5	649.7	617.7	552.1	502.5	468.9	438.5	427.3	422.5	412.9
70°	590.5	568.1	539.3	512.1	462.5	419.3	388.9	377.7	361.7	360.1	348.9
72.5°	486.5	459.3	438.5	417.7	380.9	342.5	326.5	310.5	302.5	296.1	291.3
75°	385.7	366.5	352.1	334.5	302.5	276.9	254.4	248.0	243.2	241.6	238.4
77.5°	288.1	275.3	268.9	251.2	228.8	206.4	196.8	187.2	187.2	184.0	185.6
80°	204.8	196.8	188.8	179.2	160.0	150.4	142.4	136.0	132.8	131.2	132.8
82.5°	129.6	124.8	123.2	116.8	104.0	99.2	92.8	88.0	88.0	88.0	88.0
85°	72.0	72.0	72.0	62.4	57.6	52.8	49.6	48.0	48.0	48.0	49.6
87.5°	30.4	30.4	25.6	25.6	24.0	20.8	19.2	19.2	20.8	20.8	22.4
90°	12.7	11.4	10.7	9.8	7.9	6.0	4.2	2.3	4.2	6.0	7.9
92.5°	11.9	10.6	9.9	10.1	10.4	10.8	11.1	11.5	11.1	10.8	10.4
95°	16.3	16.1	16.0	18.9	24.7	30.4	36.2	42.0	36.2	30.4	24.7
97.5°	70.3	88.1	97.0	95.1	91.4	87.7	83.9	80.2	83.9	87.7	91.4
100°	103.9	127.3	139.0	137.5	134.4	131.3	128.3	125.2	128.3	131.3	134.4
102.5°	187.8	185.8	184.8	183.8	181.7	179.7	177.6	175.6	177.6	179.7	181.7
105°	235.7	234.8	234.4	233.9	232.9	231.8	230.8	229.8	230.8	231.8	232.9
107.5°	283.5	282.3	281.7	281.5	281.0	280.5	280.0	279.5	280.0	280.5	281.0
110°	333.6	332.6	332.1	331.9	331.4	330.9	330.4	329.9	330.4	330.9	331.4

TEST NUMBER: P1001053

CATALOG NUMBER: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	383.8	383.5	383.3	382.8	381.8	380.7	379.7	378.7	379.7	380.7	381.8
115°	431.1	431.3	431.4	431.1	430.6	430.1	429.6	429.1	429.6	430.1	430.6
117.5°	478.0	477.5	477.2	476.9	476.2	475.5	474.9	474.2	474.9	475.5	476.2
120°	522.8	522.9	523.0	522.7	522.0	521.3	520.7	520.0	520.7	521.3	522.0
122.5°	564.8	564.5	564.3	564.1	563.8	563.4	563.1	562.7	563.1	563.4	563.8
125°	605.8	606.1	606.3	606.0	605.3	604.6	603.9	603.2	603.9	604.6	605.3
127.5°	644.2	643.3	642.9	642.8	642.6	642.5	642.3	642.1	642.3	642.5	642.6
130°	681.1	680.6	680.3	680.2	680.1	679.9	679.8	679.6	679.8	679.9	680.1
132.5°	716.4	715.7	715.4	715.2	714.9	714.6	714.2	713.9	714.2	714.6	714.9
135°	748.5	747.8	747.5	747.6	747.8	747.9	748.1	748.3	748.1	747.9	747.8
137.5°	780.1	779.2	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8	778.8
140°	810.6	810.3	810.1	809.9	809.6	809.3	808.9	808.6	808.9	809.3	809.6
142.5°	838.6	838.5	838.4	838.1	837.4	836.7	836.0	835.3	836.0	836.7	837.4
145°	865.1	865.1	865.1	864.8	864.3	863.8	863.3	862.8	863.3	863.8	864.3
147.5°	888.5	888.7	888.8	888.3	887.3	886.2	885.2	884.2	885.2	886.2	887.3
150°	910.6	910.8	910.9	910.6	909.9	909.2	908.6	907.9	908.6	909.2	909.9
152.5°	929.5	929.8	930.0	929.7	929.2	928.7	928.2	927.7	928.2	928.7	929.2
155°	946.0	946.5	946.8	946.7	946.5	946.4	946.2	946.0	946.2	946.4	946.5
157.5°	961.1	961.8	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1	962.1
160°	973.3	973.4	973.5	973.8	974.3	974.8	975.3	975.8	975.3	974.8	974.3
162.5°	984.7	984.9	985.0	985.3	986.0	986.7	987.3	988.0	987.3	986.7	986.0
165°	994.1	994.1	994.1	994.5	995.4	996.3	997.1	998.0	997.1	996.3	995.4
167.5°	1002.3	1002.4	1002.5	1002.9	1003.8	1004.6	1005.5	1006.3	1005.5	1004.6	1003.8
170°	1008.9	1008.7	1008.6	1009.1	1010.1	1011.2	1012.2	1013.2	1012.2	1011.2	1010.1
172.5°	1013.5	1013.3	1013.2	1013.7	1014.7	1015.8	1016.8	1017.8	1016.8	1015.8	1014.7
175°	1016.5	1016.4	1016.3	1016.8	1017.8	1018.9	1019.9	1020.9	1019.9	1018.9	1017.8
177.5°	1018.3	1018.0	1017.8	1018.4	1019.6	1020.7	1021.9	1023.1	1021.9	1020.7	1019.6
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1001053

CATALOG NUMBER: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	1902.8	1896.4	1899.6	1883.6	1869.1	1848.3	1830.7	1827.5	1824.3	1833.9	1827.5
5°	1848.3	1840.3	1832.3	1813.1	1784.3	1766.7	1741.1	1739.5	1729.9	1715.5	1718.7
7.5°	1789.1	1784.3	1773.1	1742.7	1717.1	1686.7	1665.9	1648.3	1640.3	1627.5	1622.7
10°	1741.1	1723.5	1713.9	1680.3	1649.9	1617.9	1590.7	1577.9	1563.5	1552.3	1544.3
12.5°	1675.5	1670.7	1643.5	1616.3	1590.7	1553.9	1533.1	1496.3	1477.1	1486.7	1483.5
15°	1632.3	1609.9	1603.5	1565.1	1521.9	1497.9	1459.5	1435.5	1427.5	1413.1	1395.5
17.5°	1574.7	1560.3	1537.9	1502.7	1453.1	1419.5	1392.3	1369.9	1360.3	1341.0	1326.6
20°	1520.3	1496.3	1478.7	1446.7	1398.7	1355.5	1321.8	1307.4	1283.4	1267.4	1259.4
22.5°	1470.7	1453.1	1427.5	1379.5	1337.8	1296.2	1256.2	1235.4	1213.0	1203.4	1190.6
25°	1409.9	1381.1	1363.5	1310.6	1265.8	1232.2	1195.4	1168.2	1155.4	1139.4	1136.2
27.5°	1350.7	1323.4	1302.6	1256.2	1201.8	1158.6	1136.2	1117.0	1094.6	1094.6	1086.6
30°	1291.4	1272.2	1240.2	1195.4	1144.2	1102.6	1077.0	1059.4	1051.4	1045.0	1043.4
32.5°	1232.2	1206.6	1187.4	1126.6	1088.2	1049.8	1030.6	1016.2	1006.6	1005.0	1006.6
35°	1171.4	1142.6	1123.4	1069.0	1030.6	995.4	987.4	974.6	969.8	968.2	976.2
37.5°	1107.4	1085.0	1061.0	1016.2	973.0	952.2	936.2	931.4	929.8	939.4	942.6
40°	1048.2	1029.0	1006.6	958.6	926.6	904.2	896.2	891.4	897.8	907.4	912.2
42.5°	992.2	965.0	947.4	904.2	875.4	862.6	853.0	853.0	859.4	870.6	878.6
45°	933.0	912.2	894.6	856.2	830.6	816.2	814.6	816.2	824.2	832.2	841.8
47.5°	875.4	854.6	835.4	803.3	780.9	772.9	771.3	772.9	785.7	796.9	808.2
50°	822.6	800.1	782.5	752.1	734.5	724.9	726.5	734.5	744.1	760.1	774.5
52.5°	760.1	744.1	728.1	700.9	684.9	678.5	683.3	689.7	707.3	718.5	736.1
55°	699.3	684.9	672.1	651.3	638.5	633.7	636.9	646.5	660.9	680.1	700.9
57.5°	643.3	627.3	614.5	600.1	585.7	587.3	588.9	601.7	619.3	636.9	660.9
60°	580.9	571.3	560.1	542.5	536.1	536.1	540.9	555.3	571.3	600.1	620.9
62.5°	524.9	512.1	504.1	492.9	483.3	484.9	496.1	508.9	528.1	552.1	579.3
65°	467.3	452.9	446.5	436.9	433.7	435.3	443.3	462.5	483.3	504.1	529.7
67.5°	403.3	398.5	392.1	382.5	385.7	387.3	395.3	411.3	433.7	454.5	483.3
70°	348.9	339.3	337.7	329.7	329.7	334.5	350.5	361.7	382.5	404.9	435.3
72.5°	291.3	283.3	283.3	276.9	281.7	286.5	294.5	310.5	329.7	352.1	377.7
75°	232.0	228.8	232.0	228.8	228.8	236.8	246.4	259.2	280.1	304.1	324.9
77.5°	179.2	179.2	177.6	182.4	182.4	187.2	200.0	212.8	228.8	248.0	270.5
80°	131.2	131.2	131.2	136.0	140.8	140.8	148.8	164.8	179.2	192.0	212.8
82.5°	89.6	89.6	89.6	92.8	99.2	99.2	108.8	118.4	134.4	145.6	155.2
85°	54.4	54.4	52.8	56.0	57.6	62.4	70.4	76.8	84.8	94.4	104.0
87.5°	24.0	24.0	25.6	27.2	28.8	32.0	35.2	38.4	46.4	49.6	54.4
90°	9.8	10.7	11.4	12.7	14.1	15.4	16.8	17.8	18.8	19.9	20.9
92.5°	10.1	9.9	10.6	11.9	13.3	14.6	16.0	17.0	18.0	19.1	20.1
95°	18.9	16.0	16.1	16.3	16.4	16.6	16.8	17.8	18.8	19.9	20.9
97.5°	95.1	97.0	88.1	70.3	52.4	34.6	16.8	17.6	18.5	19.3	20.2
100°	137.5	139.0	127.3	103.9	80.4	57.0	33.6	30.7	27.8	24.9	22.0
102.5°	183.8	184.8	185.8	187.8	189.9	191.9	193.9	155.7	117.5	79.4	41.2
105°	233.9	234.4	234.8	235.7	236.5	237.4	238.2	239.7	241.3	242.8	244.3
107.5°	281.5	281.7	282.3	283.5	284.7	285.9	287.1	287.9	288.8	289.6	290.5
110°	331.9	332.1	332.6	333.6	334.7	335.7	336.7	337.0	337.4	337.7	338.0

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CATALOG NUMBER: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	382.8	383.3	383.5	383.8	384.1	384.5	384.8	384.6	384.5	384.3	384.2
115°	431.1	431.4	431.3	431.1	431.0	430.8	430.6	431.0	431.3	431.7	432.0
117.5°	476.9	477.2	477.5	478.0	478.5	479.0	479.5	479.3	479.1	479.0	478.8
120°	522.7	523.0	522.9	522.8	522.6	522.5	522.3	522.6	523.0	523.3	523.6
122.5°	564.1	564.3	564.5	564.8	565.1	565.5	565.8	566.0	566.1	566.3	566.4
125°	606.0	606.3	606.1	605.8	605.4	605.1	604.7	605.2	605.7	606.2	606.7
127.5°	642.8	642.9	643.3	644.2	645.0	645.9	646.7	646.5	646.4	646.2	646.1
130°	680.2	680.3	680.6	681.1	681.6	682.1	682.6	682.8	683.0	683.1	683.3
132.5°	715.2	715.4	715.7	716.4	717.1	717.8	718.5	718.7	718.9	719.0	719.2
135°	747.6	747.5	747.8	748.5	749.2	749.9	750.6	750.9	751.3	751.6	751.9
137.5°	778.8	778.8	779.2	780.1	780.9	781.8	782.6	783.0	783.3	783.7	784.0
140°	809.9	810.1	810.3	810.6	810.9	811.3	811.6	812.1	812.6	813.1	813.6
142.5°	838.1	838.4	838.5	838.6	838.8	838.9	839.1	839.5	839.8	840.2	840.5
145°	864.8	865.1	865.1	865.1	865.1	865.1	865.1	865.3	865.5	865.6	865.8
147.5°	888.3	888.8	888.7	888.5	888.4	888.2	888.0	888.2	888.4	888.5	888.7
150°	910.6	910.9	910.8	910.6	910.5	910.3	910.1	910.1	910.1	910.1	910.1
152.5°	929.7	930.0	929.8	929.5	929.2	928.8	928.5	928.8	929.2	929.5	929.8
155°	946.7	946.8	946.5	946.0	945.5	945.0	944.5	945.2	945.9	946.6	947.3
157.5°	962.1	962.1	961.8	961.1	960.4	959.7	959.0	959.8	960.7	961.5	962.4
160°	973.8	973.5	973.4	973.3	973.1	973.0	972.8	973.8	974.8	975.8	976.8
162.5°	985.3	985.0	984.9	984.7	984.6	984.4	984.2	985.2	986.2	987.3	988.3
165°	994.5	994.1	994.1	994.1	994.1	994.1	994.1	995.5	996.8	998.2	999.5
167.5°	1002.9	1002.5	1002.4	1002.3	1002.1	1002.0	1001.8	1003.3	1004.8	1006.3	1007.8
170°	1009.1	1008.6	1008.7	1008.9	1009.0	1009.2	1009.4	1010.8	1012.1	1013.5	1014.8
172.5°	1013.7	1013.2	1013.3	1013.5	1013.6	1013.8	1014.0	1015.4	1016.7	1018.1	1019.4
175°	1016.8	1016.3	1016.4	1016.5	1016.7	1016.8	1017.0	1018.5	1020.1	1021.6	1023.1
177.5°	1018.4	1017.8	1018.0	1018.3	1018.6	1019.0	1019.3	1020.7	1022.0	1023.4	1024.7
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1001053

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	1822.7	1821.1	1813.1	1816.3	1806.7	1809.9	1814.7	1816.3	1822.7	1817.9	1816.3
5°	1710.7	1707.5	1702.7	1697.9	1696.3	1702.7	1691.5	1694.7	1697.9	1702.7	1709.1
7.5°	1619.5	1617.9	1613.1	1605.1	1601.9	1598.7	1600.3	1611.5	1609.9	1608.3	1619.5
10°	1536.3	1537.9	1528.3	1526.7	1517.1	1515.5	1517.1	1520.3	1525.1	1531.5	1533.1
12.5°	1449.9	1470.7	1453.1	1446.7	1432.3	1440.3	1443.5	1429.1	1437.1	1441.9	1465.9
15°	1395.5	1385.9	1374.7	1374.7	1368.3	1365.1	1357.1	1368.3	1374.7	1384.3	1381.1
17.5°	1320.2	1304.2	1297.8	1291.4	1293.0	1299.4	1281.8	1307.4	1307.4	1312.2	1304.2
20°	1254.6	1241.8	1233.8	1230.6	1225.8	1222.6	1221.0	1227.4	1237.0	1240.2	1248.2
22.5°	1185.8	1185.8	1173.0	1168.2	1165.0	1160.2	1168.2	1163.4	1169.8	1176.2	1189.0
25°	1128.2	1128.2	1123.4	1117.0	1112.2	1109.0	1113.8	1112.2	1117.0	1125.0	1128.2
27.5°	1081.8	1077.0	1075.4	1073.8	1072.2	1073.8	1072.2	1077.0	1081.8	1083.4	1080.2
30°	1041.8	1037.0	1038.6	1038.6	1040.2	1038.6	1037.0	1041.8	1043.4	1040.2	1041.8
32.5°	1005.0	1005.0	1008.2	1009.8	1009.8	1011.4	1013.0	1009.8	1011.4	1006.6	1008.2
35°	974.6	977.8	981.0	982.6	984.2	982.6	985.8	984.2	981.0	977.8	976.2
37.5°	944.2	947.4	953.8	955.4	960.2	961.8	958.6	958.6	957.0	950.6	947.4
40°	912.2	915.4	923.4	928.2	931.4	936.2	933.0	933.0	926.6	920.2	915.4
42.5°	881.8	888.2	896.2	901.0	907.4	907.4	907.4	904.2	896.2	889.8	885.0
45°	851.4	853.0	864.2	872.2	878.6	878.6	878.6	873.8	869.0	856.2	849.8
47.5°	817.8	822.6	835.4	843.4	849.8	851.4	851.4	846.6	837.0	825.8	817.8
50°	780.9	788.9	803.3	814.6	822.6	825.8	821.0	817.8	806.6	793.7	784.1
52.5°	745.7	755.3	772.9	782.5	793.7	795.3	793.7	788.9	776.1	758.5	750.5
55°	710.5	718.5	737.7	753.7	763.3	766.5	763.3	755.3	739.3	721.7	713.7
57.5°	672.1	683.3	704.1	720.1	731.3	732.9	729.7	721.7	708.9	686.5	675.3
60°	632.1	646.5	667.3	683.3	697.7	699.3	696.1	684.9	668.9	646.5	636.9
62.5°	592.1	603.3	627.3	644.9	656.1	664.1	657.7	646.5	630.5	608.1	593.7
65°	545.7	561.7	582.5	598.5	611.3	612.9	609.7	600.1	582.5	558.5	547.3
67.5°	500.9	512.1	532.9	553.7	558.5	563.3	558.5	548.9	534.5	513.7	497.7
70°	446.5	456.1	481.7	496.1	502.5	507.3	504.1	494.5	481.7	462.5	449.7
72.5°	392.1	400.1	424.1	435.3	448.1	446.5	444.9	438.5	420.9	408.1	400.1
75°	334.5	344.1	360.1	374.5	379.3	379.3	379.3	374.5	363.3	342.5	334.5
77.5°	281.7	286.5	299.3	307.3	312.1	313.7	312.1	304.1	297.7	283.3	278.5
80°	216.0	228.8	238.4	240.0	246.4	246.4	246.4	243.2	236.8	222.4	220.8
82.5°	163.2	166.4	176.0	180.8	184.0	182.4	182.4	176.0	174.4	166.4	163.2
85°	110.4	115.2	113.6	120.0	121.6	118.4	118.4	121.6	113.6	115.2	110.4
87.5°	60.8	60.8	64.0	62.4	68.8	68.8	65.6	67.2	64.0	62.4	60.8
90°	21.4	21.6	21.9	22.2	22.6	22.9	22.6	22.2	21.9	21.6	21.4
92.5°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
95°	21.4	21.5	21.6	21.8	21.9	22.1	21.9	21.8	21.6	21.5	21.4
97.5°	20.6	20.7	20.9	21.0	21.2	21.4	21.2	21.0	20.9	20.7	20.6
100°	20.6	20.7	20.9	21.0	21.2	21.4	21.2	21.0	20.9	20.7	20.6
102.5°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
105°	245.1	242.0	235.9	229.8	223.7	217.6	223.7	229.8	235.9	242.0	245.1
107.5°	290.9	291.2	291.9	292.6	293.3	294.0	293.3	292.6	291.9	291.2	290.9
110°	338.2	338.5	339.0	339.5	340.0	340.5	340.0	339.5	339.0	338.5	338.2

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	384.1	384.4	385.1	385.8	386.4	387.1	386.4	385.8	385.1	384.4	384.1
115°	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2	432.2
117.5°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7
120°	523.8	523.6	523.3	523.0	522.6	522.3	522.6	523.0	523.3	523.6	523.8
122.5°	566.5	566.3	566.0	565.7	565.3	565.0	565.3	565.7	566.0	566.3	566.5
125°	607.0	607.1	607.3	607.4	607.6	607.8	607.6	607.4	607.3	607.1	607.0
127.5°	646.0	645.9	645.7	645.6	645.4	645.2	645.4	645.6	645.7	645.9	646.0
130°	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4	683.4
132.5°	719.3	719.2	719.0	718.9	718.7	718.5	718.7	718.9	719.0	719.2	719.3
135°	752.1	752.3	752.6	752.9	753.3	753.6	753.3	752.9	752.6	752.3	752.1
137.5°	784.2	784.1	783.9	783.8	783.6	783.4	783.6	783.8	783.9	784.1	784.2
140°	813.9	814.0	814.2	814.3	814.5	814.7	814.5	814.3	814.2	814.0	813.9
142.5°	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7	840.7
145°	865.9	866.1	866.4	866.7	867.1	867.4	867.1	866.7	866.4	866.1	865.9
147.5°	888.8	888.9	889.0	889.2	889.3	889.5	889.3	889.2	889.0	888.9	888.8
150°	910.1	910.2	910.4	910.5	910.7	910.9	910.7	910.5	910.4	910.2	910.1
152.5°	930.0	929.9	929.7	929.6	929.4	929.2	929.4	929.6	929.7	929.9	930.0
155°	947.6	947.3	946.8	946.3	945.8	945.3	945.8	946.3	946.8	947.3	947.6
157.5°	962.8	962.4	961.5	960.7	959.8	959.0	959.8	960.7	961.5	962.4	962.8
160°	977.3	976.8	975.8	974.8	973.8	972.8	973.8	974.8	975.8	976.8	977.3
162.5°	988.8	988.2	987.0	985.8	984.6	983.4	984.6	985.8	987.0	988.2	988.8
165°	1000.2	999.4	997.9	996.4	994.9	993.4	994.9	996.4	997.9	999.4	1000.2
167.5°	1008.6	1007.8	1006.1	1004.4	1002.7	1001.0	1002.7	1004.4	1006.1	1007.8	1008.6
170°	1015.5	1014.7	1013.0	1011.3	1009.6	1007.9	1009.6	1011.3	1013.0	1014.7	1015.5
172.5°	1020.1	1019.2	1017.3	1015.4	1013.6	1011.7	1013.6	1015.4	1017.3	1019.2	1020.1
175°	1023.9	1022.9	1020.8	1018.8	1016.7	1014.7	1016.7	1018.8	1020.8	1022.9	1023.9
177.5°	1025.4	1024.4	1022.4	1020.3	1018.3	1016.3	1018.3	1020.3	1022.4	1024.4	1025.4
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1001053

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6	1931.6
2.5°	1816.3	1825.9	1816.3	1822.7	1825.9	1833.9	1837.1	1851.5	1856.3	1867.5	1867.5
5°	1707.5	1712.3	1713.9	1720.3	1726.7	1742.7	1753.9	1774.7	1798.7	1801.9	1816.3
7.5°	1619.5	1627.5	1640.3	1635.5	1646.7	1670.7	1685.1	1710.7	1734.7	1747.5	1765.1
10°	1541.1	1550.7	1555.5	1560.3	1581.1	1601.9	1624.3	1641.9	1673.9	1693.1	1707.5
12.5°	1477.1	1469.1	1478.7	1496.3	1520.3	1533.1	1563.5	1590.7	1614.7	1635.5	1648.3
15°	1393.9	1400.3	1409.9	1440.3	1446.7	1478.7	1489.9	1520.3	1565.1	1584.3	1600.3
17.5°	1313.8	1334.6	1353.9	1365.1	1384.3	1409.9	1441.9	1475.5	1504.3	1526.7	1545.9
20°	1249.8	1270.6	1281.8	1289.8	1309.0	1344.3	1374.7	1416.3	1453.1	1470.7	1496.3
22.5°	1198.6	1198.6	1214.6	1238.6	1249.8	1283.4	1309.0	1353.9	1393.9	1416.3	1440.3
25°	1134.6	1144.2	1157.0	1177.8	1193.8	1221.0	1257.8	1296.2	1339.4	1358.7	1389.1
27.5°	1081.8	1093.0	1110.6	1115.4	1131.4	1155.4	1193.8	1235.4	1280.2	1301.0	1326.6
30°	1041.8	1048.2	1054.6	1064.2	1078.6	1099.4	1131.4	1168.2	1222.6	1238.6	1270.6
32.5°	1006.6	1009.8	1013.0	1021.0	1029.0	1049.8	1075.4	1115.4	1160.2	1184.2	1213.0
35°	974.6	971.4	973.0	977.8	985.8	993.8	1021.0	1054.6	1096.2	1125.0	1147.4
37.5°	944.2	937.8	936.2	936.2	939.4	949.0	969.8	998.6	1043.4	1067.4	1089.8
40°	910.6	904.2	901.0	899.4	897.8	904.2	920.2	949.0	984.2	1006.6	1032.2
42.5°	878.6	872.2	864.2	862.6	859.4	862.6	873.8	901.0	931.4	953.8	974.6
45°	846.6	835.4	825.8	819.4	821.0	816.2	824.2	845.0	880.2	894.6	915.4
47.5°	811.4	798.5	785.7	779.3	772.9	776.1	779.3	796.9	827.4	841.8	862.6
50°	777.7	760.1	745.7	737.7	732.9	729.7	732.9	750.5	772.9	785.7	803.3
52.5°	739.3	721.7	707.3	694.5	688.1	683.3	684.9	700.9	721.7	734.5	752.1
55°	704.1	681.7	662.5	646.5	641.7	640.1	638.5	649.7	667.3	680.1	694.5
57.5°	664.1	641.7	620.9	601.7	592.1	590.5	590.5	593.7	616.1	625.7	633.7
60°	624.1	600.1	577.7	560.1	545.7	540.9	539.3	545.7	556.9	566.5	577.7
62.5°	579.3	555.3	528.1	512.1	497.7	484.9	489.7	491.3	507.3	512.1	521.7
65°	536.1	508.9	486.5	460.9	444.9	436.9	433.7	436.9	449.7	451.3	457.7
67.5°	486.5	460.9	433.7	416.1	401.7	387.3	384.1	384.1	390.5	395.3	403.3
70°	438.5	412.9	382.5	363.3	348.9	336.1	331.3	329.7	334.5	337.7	345.7
72.5°	382.5	356.9	334.5	313.7	296.1	286.5	281.7	278.5	283.3	286.5	288.1
75°	323.3	302.5	280.1	259.2	248.0	238.4	232.0	227.2	230.4	230.4	230.4
77.5°	267.2	246.4	228.8	214.4	200.0	188.8	184.0	179.2	180.8	180.8	184.0
80°	208.0	193.6	179.2	166.4	153.6	144.0	140.8	136.0	132.8	131.2	131.2
82.5°	153.6	142.4	129.6	118.4	112.0	102.4	99.2	92.8	92.8	91.2	91.2
85°	102.4	96.0	83.2	75.2	70.4	65.6	62.4	59.2	54.4	54.4	52.8
87.5°	54.4	51.2	48.0	38.4	38.4	33.6	32.0	30.4	25.6	27.2	27.2
90°	20.9	19.9	18.8	17.8	16.8	15.4	14.1	12.7	11.4	10.7	9.8
92.5°	20.1	19.1	18.0	17.0	16.0	14.6	13.3	11.9	10.6	9.9	10.1
95°	20.9	19.9	18.8	17.8	16.8	16.6	16.4	16.3	16.1	16.0	18.9
97.5°	20.2	19.3	18.5	17.6	16.8	34.6	52.4	70.3	88.1	97.0	95.1
100°	22.0	24.9	27.8	30.7	33.6	57.0	80.4	103.9	127.3	139.0	137.5
102.5°	41.2	79.4	117.5	155.7	193.9	191.9	189.9	187.8	185.8	184.8	183.8
105°	244.3	242.8	241.3	239.7	238.2	237.4	236.5	235.7	234.8	234.4	233.9
107.5°	290.5	289.6	288.8	287.9	287.1	285.9	284.7	283.5	282.3	281.7	281.5
110°	338.0	337.7	337.4	337.0	336.7	335.7	334.7	333.6	332.6	332.1	331.9

TEST NUMBER: P1001053

CATALOG NUMBER: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	384.2	384.3	384.5	384.6	384.8	384.5	384.1	383.8	383.5	383.3	382.8
115°	432.0	431.7	431.3	431.0	430.6	430.8	431.0	431.1	431.3	431.4	431.1
117.5°	478.8	479.0	479.1	479.3	479.5	479.0	478.5	478.0	477.5	477.2	476.9
120°	523.6	523.3	523.0	522.6	522.3	522.5	522.6	522.8	522.9	523.0	522.7
122.5°	566.4	566.3	566.1	566.0	565.8	565.5	565.1	564.8	564.5	564.3	564.1
125°	606.7	606.2	605.7	605.2	604.7	605.1	605.4	605.8	606.1	606.3	606.0
127.5°	646.1	646.2	646.4	646.5	646.7	645.9	645.0	644.2	643.3	642.9	642.8
130°	683.3	683.1	683.0	682.8	682.6	682.1	681.6	681.1	680.6	680.3	680.2
132.5°	719.2	719.0	718.9	718.7	718.5	717.8	717.1	716.4	715.7	715.4	715.2
135°	751.9	751.6	751.3	750.9	750.6	749.9	749.2	748.5	747.8	747.5	747.6
137.5°	784.0	783.7	783.3	783.0	782.6	781.8	780.9	780.1	779.2	778.8	778.8
140°	813.6	813.1	812.6	812.1	811.6	811.3	810.9	810.6	810.3	810.1	809.9
142.5°	840.5	840.2	839.8	839.5	839.1	838.9	838.8	838.6	838.5	838.4	838.1
145°	865.8	865.6	865.5	865.3	865.1	865.1	865.1	865.1	865.1	865.1	864.8
147.5°	888.7	888.5	888.4	888.2	888.0	888.2	888.4	888.5	888.7	888.8	888.3
150°	910.1	910.1	910.1	910.1	910.1	910.3	910.5	910.6	910.8	910.9	910.6
152.5°	929.8	929.5	929.2	928.8	928.5	928.8	929.2	929.5	929.8	930.0	929.7
155°	947.3	946.6	945.9	945.2	944.5	945.0	945.5	946.0	946.5	946.8	946.7
157.5°	962.4	961.5	960.7	959.8	959.0	959.7	960.4	961.1	961.8	962.1	962.1
160°	976.8	975.8	974.8	973.8	972.8	973.0	973.1	973.3	973.4	973.5	973.8
162.5°	988.3	987.3	986.2	985.2	984.2	984.4	984.6	984.7	984.9	985.0	985.3
165°	999.5	998.2	996.8	995.5	994.1	994.1	994.1	994.1	994.1	994.1	994.5
167.5°	1007.8	1006.3	1004.8	1003.3	1001.8	1002.0	1002.1	1002.3	1002.4	1002.5	1002.9
170°	1014.8	1013.5	1012.1	1010.8	1009.4	1009.2	1009.0	1008.9	1008.7	1008.6	1009.1
172.5°	1019.4	1018.1	1016.7	1015.4	1014.0	1013.8	1013.6	1013.5	1013.3	1013.2	1013.7
175°	1023.1	1021.6	1020.1	1018.5	1017.0	1016.8	1016.7	1016.5	1016.4	1016.3	1016.8
177.5°	1024.7	1023.4	1022.0	1020.7	1019.3	1019.0	1018.6	1018.3	1018.0	1017.8	1018.4
180°	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9	1020.9

TEST NUMBER: P1001053

CATALOG NUMBER: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1931.6	1931.6	1931.6	1931.6
2.5°	1878.7	1894.8	1909.2	1931.6
5°	1837.1	1859.5	1890.0	1923.6
7.5°	1789.1	1824.3	1864.3	1910.8
10°	1744.3	1784.3	1835.5	1891.6
12.5°	1697.9	1745.9	1801.9	1862.7
15°	1645.1	1693.1	1755.5	1837.1
17.5°	1597.1	1654.7	1721.9	1808.3
20°	1541.1	1595.5	1669.1	1768.3
22.5°	1491.5	1553.9	1635.5	1721.9
25°	1437.1	1491.5	1573.1	1677.1
27.5°	1382.7	1449.9	1528.3	1629.1
30°	1329.8	1385.9	1470.7	1576.3
32.5°	1272.2	1339.4	1417.9	1517.1
35°	1209.8	1273.8	1347.5	1454.7
37.5°	1153.8	1216.2	1291.4	1385.9
40°	1091.4	1157.0	1225.8	1320.2
42.5°	1030.6	1089.8	1158.6	1245.0
45°	971.4	1022.6	1085.0	1160.2
47.5°	910.6	953.8	1011.4	1078.6
50°	845.0	891.4	934.6	990.6
52.5°	784.1	824.2	859.4	905.8
55°	724.9	752.1	780.9	816.2
57.5°	662.5	683.3	704.1	740.9
60°	600.1	619.3	630.5	654.5
62.5°	539.3	547.3	561.7	576.1
65°	472.1	483.3	491.3	508.9
67.5°	411.3	416.1	424.1	435.3
70°	347.3	358.5	361.7	369.7
72.5°	292.9	297.7	300.9	302.5
75°	232.0	236.8	240.0	249.6
77.5°	182.4	180.8	187.2	188.8
80°	134.4	129.6	131.2	137.6
82.5°	88.0	89.6	88.0	88.0
85°	54.4	52.8	49.6	51.2
87.5°	24.0	24.0	22.4	22.4
90°	7.9	6.0	4.2	2.3
92.5°	10.4	10.8	11.1	11.5
95°	24.7	30.4	36.2	42.0
97.5°	91.4	87.7	83.9	80.2
100°	134.4	131.3	128.3	125.2
102.5°	181.7	179.7	177.6	175.6
105°	232.9	231.8	230.8	229.8
107.5°	281.0	280.5	280.0	279.5
110°	331.4	330.9	330.4	329.9



TEST NUMBER: P1001053

CATALOG NUMBER: SA4XXDIP-B1195D810UB2750-4F0-XX-W2A-A_3000K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	381.8	380.7	379.7	378.7
115°	430.6	430.1	429.6	429.1
117.5°	476.2	475.5	474.9	474.2
120°	522.0	521.3	520.7	520.0
122.5°	563.8	563.4	563.1	562.7
125°	605.3	604.6	603.9	603.2
127.5°	642.6	642.5	642.3	642.1
130°	680.1	679.9	679.8	679.6
132.5°	714.9	714.6	714.2	713.9
135°	747.8	747.9	748.1	748.3
137.5°	778.8	778.8	778.8	778.8
140°	809.6	809.3	808.9	808.6
142.5°	837.4	836.7	836.0	835.3
145°	864.3	863.8	863.3	862.8
147.5°	887.3	886.2	885.2	884.2
150°	909.9	909.2	908.6	907.9
152.5°	929.2	928.7	928.2	927.7
155°	946.5	946.4	946.2	946.0
157.5°	962.1	962.1	962.1	962.1
160°	974.3	974.8	975.3	975.8
162.5°	986.0	986.7	987.3	988.0
165°	995.4	996.3	997.1	998.0
167.5°	1003.8	1004.6	1005.5	1006.3
170°	1010.1	1011.2	1012.2	1013.2
172.5°	1014.7	1015.8	1016.8	1017.8
175°	1017.8	1018.9	1019.9	1020.9
177.5°	1019.6	1020.7	1021.9	1023.1
180°	1020.9	1020.9	1020.9	1020.9

(END OF REPORT)