

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: P999277

Luminaire Tested: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P999277
REPORT IS A COMBINATION OF REPORTS P987826 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K
Description: Define 2 Regressed Direct/Indirect Pendant with 3500K BioUP LEDs {m-DER=0.721}
{m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

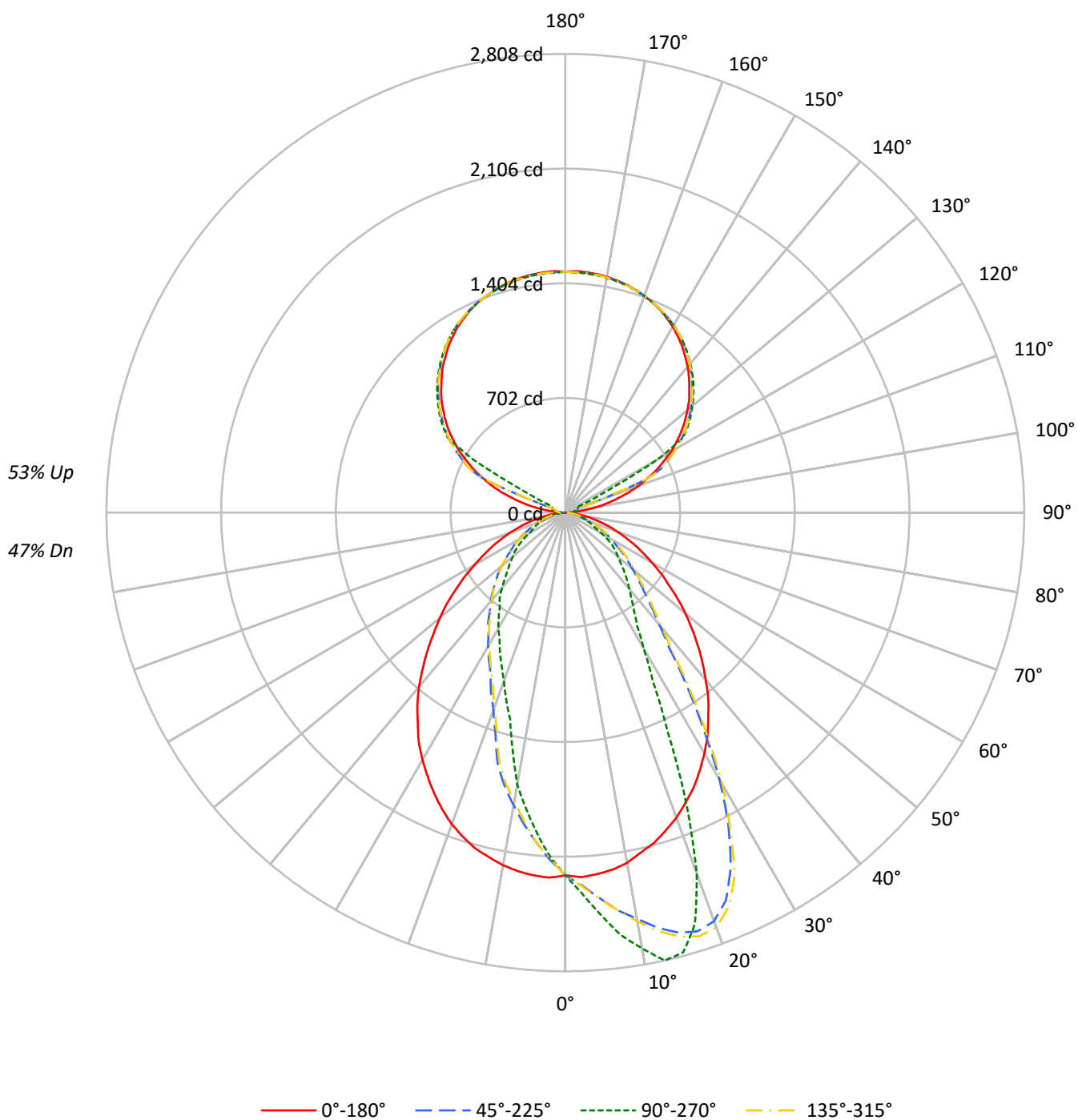
Lumens per Lamp: N/A
Luminaire Lumens: 8161.0 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 0.85 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')
CIE Type: General Diffuse

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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53
1	98	94	90	87	90	86	83	81	73	70	69	60	59	57	48	47	46
2	90	83	77	72	82	76	72	67	65	61	58	54	51	49	43	42	40
3	82	74	67	61	76	68	62	57	58	53	50	48	45	42	39	37	35
4	76	66	58	53	70	61	54	49	52	47	43	43	40	37	36	33	31
5	70	59	51	46	64	55	48	43	47	42	38	39	36	33	33	30	28
6	65	53	46	40	59	50	43	38	43	37	33	36	32	29	30	27	25
7	60	48	41	35	55	45	38	34	39	34	30	33	29	26	28	25	22
8	56	44	37	32	51	41	35	30	36	30	27	30	26	24	26	23	20
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19
10	49	37	30	26	45	35	29	25	30	25	22	26	22	20	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35136	35136	35136	35136
5°	35219	37321	35341	29815
10°	34832	39447	35078	24620
15°	34076	39460	34652	18497
20°	33166	32618	33887	15259
25°	32063	20381	32758	12981
30°	30656	13049	31490	11176
35°	28945	10028	29881	9564
40°	27037	8430	28191	8366
45°	24998	7174	26042	7022
50°	22907	6096	23978	6075
55°	20592	5297	21703	5228
60°	18538	4040	19518	3991
65°	16616	3041	17604	3448
70°	14495	2429	15634	2811
75°	12251	1860	13375	2126
80°	9732	1266	10467	1394
85°	6752	654	7402	689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 165°

Vertical Angle: 45°

Luminance: 32142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	2.6
10°-20°	587.7	7.2
20°-30°	756.4	9.3
30°-40°	717.5	8.8
40°-50°	615.0	7.5
50°-60°	468.3	5.7
60°-70°	295.3	3.6
70°-80°	147.3	1.8
80°-90°	40.5	0.5
90°-100°	48.6	0.6
100°-110°	181.2	2.2
110°-120°	480.7	5.9
120°-130°	797.2	9.8
130°-140°	846.8	10.4
140°-150°	787.0	9.6
150°-160°	632.7	7.8
160°-170°	407.7	5.0
170°-180°	140.3	1.7
0°-30°	1554.6	19.0
0°-40°	2272.1	27.8
0°-60°	3355.4	41.1
0°-90°	3838.6	47.0
90°-120°	710.5	8.7
90°-150°	3141.6	38.5
90°-180°	4322.0	53.0
0°-180°	8161.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2220	2220	2220	2220	2220	
5°	2221	2470	2229	1973	2221	211
15°	2093	2787	2129	1307	2093	589
25°	1857	1487	1897	947	1857	853
35°	1524	733	1573	699	1524	954
45°	1145	509	1192	498	1145	883
55°	773	353	814	349	773	696
65°	467	184	495	208	467	464
75°	219	97	239	111	219	237
85°	48	28	52	29	48	54
90°	1	29	1	29	1	7
95°	69	46	69	46	69	82
105°	324	81	324	81	324	347
115°	613	88	613	88	613	604
125°	867	912	867	912	867	774
135°	1073	1108	1073	1108	1073	829
145°	1245	1264	1245	1264	1245	779
155°	1371	1372	1371	1372	1371	632
165°	1444	1441	1444	1441	1444	408
175°	1478	1469	1478	1469	1478	141
180°	1474	1474	1474	1474	1474	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2233.6	2242.9	2247.5	2253.7	2267.6	2276.8	2290.7	2293.8	2292.2	2298.4	2281.5
5°	2221.3	2241.3	2259.9	2275.3	2300.0	2315.4	2332.4	2352.4	2357.0	2380.2	2366.3
7.5°	2204.3	2233.6	2259.9	2290.7	2327.7	2347.8	2374.0	2404.9	2418.7	2446.5	2454.2
10°	2176.6	2218.2	2262.9	2295.3	2346.2	2381.7	2406.4	2455.8	2488.2	2529.8	2523.6
12.5°	2131.8	2185.8	2246.0	2300.0	2366.3	2389.4	2435.7	2486.6	2528.3	2566.8	2600.8
15°	2093.3	2155.0	2221.3	2287.6	2363.2	2406.4	2452.7	2519.0	2563.7	2631.6	2660.9
17.5°	2040.8	2119.5	2198.2	2272.2	2361.7	2411.0	2468.1	2532.9	2599.2	2664.0	2687.1
20°	1986.8	2071.7	2156.5	2256.8	2358.6	2406.4	2465.0	2545.2	2610.0	2660.9	2660.9
22.5°	1922.0	2025.4	2122.6	2218.2	2329.3	2398.7	2458.8	2552.9	2599.2	2610.0	2568.4
25°	1857.2	1960.6	2067.0	2185.8	2312.3	2374.0	2441.9	2529.8	2545.2	2502.0	2394.1
27.5°	1780.1	1895.8	2016.1	2144.2	2276.8	2354.0	2415.7	2474.3	2445.0	2329.3	2161.1
30°	1701.4	1826.4	1962.1	2084.0	2244.4	2315.4	2367.8	2384.8	2292.2	2104.1	1886.6
32.5°	1619.7	1741.6	1885.0	2031.6	2193.5	2261.4	2295.3	2250.6	2080.9	1843.4	1578.0
35°	1524.1	1661.3	1811.0	1963.7	2124.1	2175.0	2195.1	2085.5	1868.0	1561.1	1297.3
37.5°	1437.7	1575.0	1735.4	1891.2	2047.0	2074.7	2054.7	1883.5	1607.4	1303.5	1045.9
40°	1335.9	1482.4	1639.7	1814.1	1942.1	1949.8	1900.4	1678.3	1335.9	1050.5	891.6
42.5°	1241.8	1389.8	1547.2	1724.6	1821.8	1795.5	1729.2	1437.7	1115.3	905.5	777.5
45°	1144.6	1285.0	1454.6	1612.0	1681.4	1619.7	1519.4	1209.4	936.3	779.0	680.3
47.5°	1050.5	1181.6	1349.7	1500.9	1513.3	1443.8	1325.1	1013.5	811.4	684.9	604.7
50°	957.9	1089.0	1246.4	1371.3	1359.0	1263.4	1129.2	880.8	705.0	604.7	538.4
52.5°	865.4	984.2	1136.9	1235.6	1183.1	1090.6	957.9	746.6	615.5	527.6	476.7
55°	772.8	883.9	1015.0	1096.8	1013.5	907.0	812.9	640.2	533.7	462.8	424.2
57.5°	695.7	783.6	903.9	953.3	853.0	769.7	688.0	550.7	462.8	411.9	367.1
60°	610.9	691.1	789.8	819.1	715.7	647.9	578.5	465.9	396.4	351.7	322.4
62.5°	538.4	604.7	680.3	680.3	589.3	538.4	485.9	390.3	333.2	297.7	283.8
65°	467.4	515.2	569.2	563.0	485.9	441.2	399.5	322.4	279.2	254.5	240.6
67.5°	398.0	435.0	470.5	448.9	393.4	354.8	316.2	260.7	231.4	214.4	195.9
70°	334.7	364.0	382.6	362.5	307.0	274.6	246.8	209.8	186.7	165.1	154.3
72.5°	280.7	293.1	299.3	274.6	228.3	209.8	189.7	163.5	143.5	132.7	129.6
75°	219.0	229.8	225.2	206.7	168.1	154.3	138.8	120.3	115.7	109.5	106.4
77.5°	171.2	171.2	163.5	146.5	120.3	109.5	103.4	94.1	89.5	87.9	84.8
80°	121.9	120.3	115.7	97.2	81.8	75.6	75.6	69.4	67.9	64.8	64.8
82.5°	80.2	80.2	74.0	58.6	54.0	52.4	50.9	47.8	47.8	46.3	46.3
85°	47.8	44.7	37.0	32.4	30.9	30.9	29.3	27.8	29.3	27.8	27.8
87.5°	21.6	17.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
90°	1.1	3.7	6.3	8.9	11.5	12.8	13.7	15.6	17.5	19.4	21.3
92.5°	26.7	25.7	24.8	23.8	22.9	22.4	22.8	23.5	24.2	24.9	25.6
95°	69.3	61.5	53.7	45.8	38.0	34.1	34.9	36.6	38.3	39.9	41.6
97.5°	124.8	105.4	85.9	66.5	47.0	37.3	39.2	43.0	46.8	50.6	54.4
100°	188.8	156.3	123.9	91.4	58.9	42.7	44.7	48.7	52.8	56.8	60.8
102.5°	259.2	258.7	258.3	257.8	257.3	257.1	235.5	192.4	149.2	106.1	62.9
105°	324.3	331.4	338.5	345.6	352.7	356.3	323.9	259.2	194.5	129.8	65.1
107.5°	400.1	406.0	411.9	417.8	423.7	426.7	386.8	306.9	227.0	147.1	67.2
110°	472.6	477.6	482.6	487.5	492.5	495.0	460.7	392.2	323.7	255.2	186.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	540.9	545.2	549.4	553.7	558.0	560.1	558.1	554.1	550.0	546.0	542.0
115°	613.4	617.4	621.5	625.5	629.6	631.6	634.6	640.5	646.4	652.3	658.2
117.5°	676.4	681.1	685.9	690.6	695.3	697.7	699.7	703.8	707.8	711.9	715.9
120°	746.8	750.4	753.9	757.5	761.0	762.8	764.9	769.2	773.5	777.7	782.0
122.5°	806.5	810.3	814.1	817.9	821.7	823.6	826.0	830.7	835.4	840.2	844.9
125°	867.4	870.5	873.5	876.6	879.7	881.2	883.5	888.0	892.5	897.0	901.5
127.5°	922.8	926.1	929.5	932.8	936.1	937.8	939.6	943.1	946.7	950.2	953.8
130°	975.1	978.9	982.7	986.5	990.3	992.2	993.5	996.1	998.7	1001.3	1003.9
132.5°	1028.4	1031.5	1034.6	1037.7	1040.8	1042.3	1043.6	1046.2	1048.9	1051.5	1054.1
135°	1073.3	1077.1	1080.9	1084.6	1088.4	1090.3	1091.4	1093.5	1095.6	1097.8	1099.9
137.5°	1120.2	1123.0	1125.9	1128.7	1131.6	1133.0	1134.2	1136.6	1138.9	1141.3	1143.7
140°	1166.1	1168.0	1169.9	1171.8	1173.7	1174.6	1175.9	1178.5	1181.1	1183.7	1186.3
142.5°	1204.5	1206.1	1207.8	1209.4	1211.1	1211.9	1213.4	1216.5	1219.6	1222.7	1225.8
145°	1245.0	1244.8	1244.6	1244.3	1244.1	1244.0	1246.0	1250.0	1254.1	1258.1	1262.1
147.5°	1280.2	1279.5	1278.8	1278.1	1277.4	1277.0	1279.0	1283.1	1287.1	1291.2	1295.2
150°	1314.4	1312.7	1311.1	1309.4	1307.7	1306.9	1308.8	1312.6	1316.4	1320.2	1324.0
152.5°	1343.2	1341.3	1339.4	1337.5	1335.6	1334.6	1336.4	1339.9	1343.5	1347.0	1350.6
155°	1370.9	1368.8	1366.6	1364.5	1362.4	1361.3	1362.7	1365.6	1368.4	1371.3	1374.1
157.5°	1393.3	1391.4	1389.5	1387.6	1385.7	1384.8	1385.9	1388.0	1390.1	1392.3	1394.4
160°	1412.5	1411.1	1409.7	1408.2	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5
162.5°	1429.6	1428.2	1426.8	1425.3	1423.9	1423.2	1423.8	1425.0	1426.1	1427.3	1428.5
165°	1444.5	1443.1	1441.7	1440.2	1438.8	1438.1	1438.5	1439.2	1439.9	1440.6	1441.3
167.5°	1456.3	1454.9	1453.5	1452.0	1450.6	1449.9	1450.3	1451.0	1451.7	1452.4	1453.1
170°	1465.9	1464.5	1463.1	1461.6	1460.2	1459.5	1459.7	1460.2	1460.7	1461.1	1461.6
172.5°	1472.3	1470.9	1469.5	1468.0	1466.6	1465.9	1466.1	1466.6	1467.1	1467.5	1468.0
175°	1477.6	1475.9	1474.3	1472.6	1470.9	1470.1	1470.3	1470.8	1471.3	1471.8	1472.3
177.5°	1479.7	1478.1	1476.4	1474.8	1473.1	1472.3	1472.4	1472.6	1472.9	1473.1	1473.3
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2298.4	2301.5	2306.1	2327.7	2330.8	2337.0	2333.9	2333.9	2335.4	2332.4	2333.9
5°	2397.1	2401.8	2424.9	2451.1	2457.3	2451.1	2458.8	2469.6	2469.6	2469.6	2466.6
7.5°	2489.7	2506.7	2532.9	2571.5	2579.2	2586.9	2600.8	2591.5	2594.6	2608.5	2603.8
10°	2579.2	2603.8	2633.2	2665.5	2682.5	2693.3	2699.5	2713.4	2745.8	2708.7	2722.6
12.5°	2664.0	2699.5	2730.3	2765.8	2778.2	2792.0	2796.7	2809.0	2809.0	2807.5	2818.3
15°	2719.5	2751.9	2779.7	2802.8	2805.9	2802.8	2799.8	2801.3	2805.9	2787.4	2798.2
17.5°	2731.9	2735.0	2744.2	2735.0	2736.5	2704.1	2685.6	2681.0	2637.8	2639.3	2674.8
20°	2671.7	2619.3	2605.4	2554.5	2523.6	2440.3	2437.2	2414.1	2323.1	2350.9	2344.7
22.5°	2506.7	2417.2	2298.4	2239.8	2210.5	2122.6	2054.7	2006.9	1974.5	1942.1	1928.2
25°	2289.2	2144.2	1976.0	1860.3	1843.4	1761.6	1636.7	1578.0	1508.6	1487.0	1524.1
27.5°	2008.4	1820.2	1630.5	1453.1	1420.7	1346.7	1283.4	1241.8	1161.5	1156.9	1160.0
30°	1627.4	1437.7	1278.8	1163.1	1082.9	1048.9	1007.3	976.4	944.0	956.4	959.5
32.5°	1337.4	1156.9	1008.8	947.1	910.1	888.5	853.0	833.0	819.1	814.5	812.9
35°	1062.8	942.5	876.2	816.0	794.4	779.0	752.8	743.5	731.2	732.7	732.7
37.5°	910.1	809.8	760.5	729.6	709.6	701.9	684.9	675.6	667.9	664.8	669.5
40°	785.2	715.7	684.9	657.1	640.2	637.1	627.8	617.0	607.8	609.3	613.9
42.5°	694.2	654.0	617.0	595.4	583.1	578.5	570.7	563.0	563.0	558.4	556.9
45°	621.7	589.3	558.4	538.4	530.6	524.5	515.2	513.7	507.5	509.0	510.6
47.5°	556.9	530.6	507.5	487.4	479.7	478.2	468.9	462.8	462.8	461.2	459.7
50°	498.2	472.0	452.0	441.2	430.4	427.3	425.7	424.2	421.1	421.1	422.7
52.5°	450.4	424.2	408.8	399.5	393.4	390.3	390.3	388.7	388.7	388.7	387.2
55°	398.0	376.4	364.0	361.0	357.9	356.3	354.8	351.7	350.2	353.2	350.2
57.5°	348.6	340.9	330.1	327.0	319.3	319.3	314.7	311.6	308.5	311.6	311.6
60°	310.1	299.3	293.1	283.8	277.7	271.5	263.8	262.2	259.2	257.6	256.1
62.5°	269.9	260.7	245.3	231.4	222.1	216.0	212.9	211.3	211.3	209.8	209.8
65°	225.2	203.6	195.9	191.3	189.7	188.2	185.1	183.6	185.1	183.6	185.1
67.5°	175.9	172.8	168.1	165.1	163.5	162.0	162.0	160.4	160.4	160.4	160.4
70°	152.7	145.0	143.5	140.4	140.4	138.8	138.8	138.8	138.8	137.3	140.4
72.5°	126.5	121.9	120.3	118.8	118.8	118.8	117.2	117.2	117.2	115.7	117.2
75°	103.4	101.8	98.7	98.7	97.2	98.7	97.2	97.2	95.6	97.2	97.2
77.5°	83.3	81.8	80.2	80.2	78.7	78.7	78.7	78.7	78.7	78.7	80.2
80°	63.2	61.7	60.2	61.7	60.2	61.7	60.2	60.2	61.7	60.2	60.2
82.5°	46.3	44.7	44.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
85°	27.8	26.2	26.2	27.8	26.2	27.8	26.2	26.2	26.2	27.8	27.8
87.5°	12.3	13.9	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	13.9
90°	22.5	23.7	24.9	26.1	26.7	26.9	27.4	27.9	28.3	28.8	28.3
92.5°	26.1	26.5	27.0	27.5	27.7	27.8	28.1	28.3	28.6	28.8	28.6
95°	42.8	44.0	45.1	46.3	46.9	46.8	46.6	46.3	46.1	45.9	46.1
97.5°	55.1	55.8	56.5	57.2	57.6	57.7	58.0	58.2	58.5	58.7	58.5
100°	62.7	64.6	66.5	68.4	69.3	69.5	70.0	70.5	71.0	71.5	71.0
102.5°	65.5	68.1	70.8	73.4	74.7	75.1	75.8	76.5	77.2	77.9	77.2
105°	67.7	70.3	72.9	75.5	76.8	77.3	78.2	79.2	80.1	81.1	80.1
107.5°	69.8	72.4	75.0	77.6	78.9	79.4	80.3	81.3	82.2	83.2	82.2
110°	163.0	139.3	115.6	91.9	80.0	80.5	81.4	82.4	83.3	84.3	83.3

TEST NUMBER: P999277

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	439.8	337.6	235.4	133.2	82.1	82.5	83.2	83.9	84.6	85.3	84.6
115°	548.4	438.7	328.9	219.2	164.3	155.8	138.7	121.6	104.6	87.5	104.6
117.5°	682.0	648.1	614.2	580.3	563.3	532.2	470.1	408.0	345.9	283.8	345.9
120°	784.8	787.7	790.5	793.4	794.8	778.8	746.8	714.8	682.8	650.8	682.8
122.5°	846.3	847.8	849.2	850.7	851.4	851.5	851.7	852.0	852.2	852.4	852.2
125°	903.2	904.8	906.5	908.2	909.0	909.4	910.1	910.8	911.5	912.2	911.5
127.5°	956.2	958.5	960.9	963.2	964.4	964.5	964.8	965.0	965.3	965.5	965.3
130°	1006.5	1009.1	1011.7	1014.3	1015.6	1015.5	1015.3	1015.0	1014.8	1014.6	1014.8
132.5°	1056.2	1058.4	1060.5	1062.6	1063.7	1063.6	1063.3	1063.1	1062.8	1062.6	1062.8
135°	1102.3	1104.7	1107.0	1109.4	1110.6	1110.4	1109.9	1109.4	1109.0	1108.5	1109.0
137.5°	1146.1	1148.4	1150.8	1153.1	1154.3	1153.9	1153.2	1152.5	1151.8	1151.1	1151.8
140°	1188.4	1190.6	1192.7	1194.8	1195.9	1195.3	1194.1	1193.0	1191.8	1190.6	1191.8
142.5°	1227.7	1229.6	1231.5	1233.4	1234.4	1233.8	1232.6	1231.4	1230.2	1229.0	1230.2
145°	1263.8	1265.4	1267.1	1268.8	1269.6	1269.0	1267.8	1266.6	1265.4	1264.2	1265.4
147.5°	1296.4	1297.6	1298.7	1299.9	1300.5	1300.0	1299.1	1298.1	1297.2	1296.2	1297.2
150°	1325.4	1326.8	1328.3	1329.7	1330.4	1329.8	1328.6	1327.4	1326.2	1325.0	1326.2
152.5°	1352.0	1353.4	1354.9	1356.3	1357.0	1356.2	1354.5	1352.9	1351.2	1349.6	1351.2
155°	1375.5	1376.9	1378.4	1379.8	1380.5	1379.6	1377.7	1375.8	1373.9	1372.0	1373.9
157.5°	1396.0	1397.7	1399.3	1401.0	1401.8	1400.9	1399.0	1397.1	1395.2	1393.3	1395.2
160°	1413.9	1415.3	1416.8	1418.2	1418.9	1418.1	1416.4	1414.7	1413.1	1411.4	1413.1
162.5°	1430.2	1431.8	1433.5	1435.2	1436.0	1434.9	1432.8	1430.7	1428.5	1426.4	1428.5
165°	1443.0	1444.6	1446.3	1448.0	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1443.0
167.5°	1454.7	1456.4	1458.0	1459.7	1460.5	1459.4	1457.3	1455.2	1453.0	1450.9	1453.0
170°	1463.3	1464.9	1466.6	1468.3	1469.1	1468.0	1465.9	1463.8	1461.6	1459.5	1461.6
172.5°	1469.7	1471.3	1473.0	1474.7	1475.5	1474.4	1472.3	1470.2	1468.0	1465.9	1468.0
175°	1473.9	1475.6	1477.2	1478.9	1479.7	1478.5	1476.2	1473.8	1471.5	1469.1	1471.5
177.5°	1475.0	1476.6	1478.3	1480.0	1480.8	1479.7	1477.6	1475.5	1473.3	1471.2	1473.3
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2340.1	2329.3	2326.2	2329.3	2326.2	2327.7	2316.9	2276.8	2287.6	2270.7	2279.9
5°	2472.7	2463.5	2443.4	2440.3	2437.2	2434.2	2418.7	2383.3	2369.4	2346.2	2344.7
7.5°	2599.2	2599.2	2583.8	2573.0	2559.1	2548.3	2528.3	2475.8	2454.2	2426.5	2411.0
10°	2724.2	2684.1	2701.0	2690.2	2656.3	2650.1	2613.1	2582.3	2540.6	2512.8	2488.2
12.5°	2813.6	2801.3	2785.9	2776.6	2767.4	2747.3	2722.6	2644.0	2622.4	2566.8	2539.1
15°	2810.5	2802.8	2807.5	2807.5	2804.4	2799.8	2779.7	2722.6	2685.6	2631.6	2583.8
17.5°	2659.4	2679.4	2699.5	2713.4	2744.2	2758.1	2776.6	2742.7	2719.5	2673.3	2622.4
20°	2395.6	2445.0	2503.6	2515.9	2543.7	2625.4	2662.5	2691.8	2701.0	2685.6	2644.0
22.5°	2028.5	2070.1	2212.0	2209.0	2249.1	2346.2	2454.2	2542.1	2611.6	2650.1	2634.7
25°	1588.8	1647.5	1723.0	1780.1	1911.2	2056.2	2190.4	2330.8	2451.1	2557.6	2583.8
27.5°	1201.7	1278.8	1338.9	1414.5	1480.9	1652.1	1824.9	2043.9	2184.3	2386.3	2491.2
30°	971.8	1007.3	1067.5	1102.9	1135.3	1266.4	1462.3	1678.3	1925.1	2158.0	2338.5
32.5°	829.9	854.6	899.3	914.7	948.7	1036.6	1160.0	1357.5	1612.0	1894.3	2131.8
35°	745.1	771.3	780.5	794.4	822.2	877.7	962.6	1106.0	1335.9	1612.0	1895.8
37.5°	672.6	686.4	712.7	721.9	731.2	772.8	829.9	930.2	1082.9	1309.6	1624.3
40°	621.7	629.4	643.2	651.0	657.1	686.4	737.3	805.2	917.8	1090.6	1380.6
42.5°	567.7	576.9	586.2	595.4	603.1	626.3	657.1	721.9	797.5	928.6	1138.4
45°	515.2	521.4	532.2	538.4	549.2	567.7	595.4	640.2	708.0	791.3	961.0
47.5°	467.4	475.1	479.7	487.4	495.2	515.2	541.4	570.7	626.3	708.0	831.4
50°	424.2	433.5	439.6	441.2	447.3	465.9	487.4	519.8	555.3	618.6	726.5
52.5°	393.4	394.9	399.5	405.7	404.2	414.9	435.0	459.7	496.7	547.6	626.3
55°	357.9	362.5	365.6	367.1	367.1	376.4	387.2	410.3	439.6	481.3	547.6
57.5°	313.1	317.8	327.0	330.1	334.7	339.4	344.0	359.4	384.1	424.2	478.2
60°	266.9	269.9	279.2	285.4	288.5	300.8	307.0	319.3	333.2	362.5	413.4
62.5°	214.4	217.5	222.1	228.3	234.5	253.0	268.4	280.7	291.5	311.6	353.2
65°	186.7	188.2	191.3	192.8	194.4	202.1	216.0	232.9	253.0	268.4	293.1
67.5°	162.0	163.5	165.1	168.1	169.7	171.2	177.4	182.0	202.1	223.7	242.2
70°	138.8	141.9	143.5	143.5	145.0	148.1	151.2	157.3	163.5	174.3	197.4
72.5°	117.2	118.8	121.9	121.9	121.9	124.9	128.0	131.1	134.2	140.4	149.6
75°	97.2	100.3	100.3	100.3	101.8	101.8	104.9	108.0	111.1	115.7	118.8
77.5°	80.2	80.2	80.2	80.2	81.8	81.8	83.3	86.4	87.9	89.5	92.6
80°	60.2	61.7	61.7	61.7	63.2	63.2	63.2	66.3	67.9	67.9	71.0
82.5°	44.7	44.7	44.7	46.3	44.7	46.3	46.3	47.8	46.3	47.8	49.4
85°	27.8	27.8	27.8	29.3	29.3	29.3	29.3	29.3	29.3	29.3	30.9
87.5°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	15.4	13.9	13.9
90°	27.9	27.4	26.9	26.7	26.1	24.9	23.7	22.5	21.3	19.4	17.5
92.5°	28.3	28.1	27.8	27.7	27.5	27.0	26.5	26.1	25.6	24.9	24.2
95°	46.3	46.6	46.8	46.9	46.3	45.1	44.0	42.8	41.6	39.9	38.3
97.5°	58.2	58.0	57.7	57.6	57.2	56.5	55.8	55.1	54.4	50.6	46.8
100°	70.5	70.0	69.5	69.3	68.4	66.5	64.6	62.7	60.8	56.8	52.8
102.5°	76.5	75.8	75.1	74.7	73.4	70.8	68.1	65.5	62.9	106.1	149.2
105°	79.2	78.2	77.3	76.8	75.5	72.9	70.3	67.7	65.1	129.8	194.5
107.5°	81.3	80.3	79.4	78.9	77.6	75.0	72.4	69.8	67.2	147.1	227.0
110°	82.4	81.4	80.5	80.0	91.9	115.6	139.3	163.0	186.7	255.2	323.7

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	83.9	83.2	82.5	82.1	133.2	235.4	337.6	439.8	542.0	546.0	550.0
115°	121.6	138.7	155.8	164.3	219.2	328.9	438.7	548.4	658.2	652.3	646.4
117.5°	408.0	470.1	532.2	563.3	580.3	614.2	648.1	682.0	715.9	711.9	707.8
120°	714.8	746.8	778.8	794.8	793.4	790.5	787.7	784.8	782.0	777.7	773.5
122.5°	852.0	851.7	851.5	851.4	850.7	849.2	847.8	846.3	844.9	840.2	835.4
125°	910.8	910.1	909.4	909.0	908.2	906.5	904.8	903.2	901.5	897.0	892.5
127.5°	965.0	964.8	964.5	964.4	963.2	960.9	958.5	956.2	953.8	950.2	946.7
130°	1015.0	1015.3	1015.5	1015.6	1014.3	1011.7	1009.1	1006.5	1003.9	1001.3	998.7
132.5°	1063.1	1063.3	1063.6	1063.7	1062.6	1060.5	1058.4	1056.2	1054.1	1051.5	1048.9
135°	1109.4	1109.9	1110.4	1110.6	1109.4	1107.0	1104.7	1102.3	1099.9	1097.8	1095.6
137.5°	1152.5	1153.2	1153.9	1154.3	1153.1	1150.8	1148.4	1146.1	1143.7	1141.3	1138.9
140°	1193.0	1194.1	1195.3	1195.9	1194.8	1192.7	1190.6	1188.4	1186.3	1183.7	1181.1
142.5°	1231.4	1232.6	1233.8	1234.4	1233.4	1231.5	1229.6	1227.7	1225.8	1222.7	1219.6
145°	1266.6	1267.8	1269.0	1269.6	1268.8	1267.1	1265.4	1263.8	1262.1	1258.1	1254.1
147.5°	1298.1	1299.1	1300.0	1300.5	1299.9	1298.7	1297.6	1296.4	1295.2	1291.2	1287.1
150°	1327.4	1328.6	1329.8	1330.4	1329.7	1328.3	1326.8	1325.4	1324.0	1320.2	1316.4
152.5°	1352.9	1354.5	1356.2	1357.0	1356.3	1354.9	1353.4	1352.0	1350.6	1347.0	1343.5
155°	1375.8	1377.7	1379.6	1380.5	1379.8	1378.4	1376.9	1375.5	1374.1	1371.3	1368.4
157.5°	1397.1	1399.0	1400.9	1401.8	1401.0	1399.3	1397.7	1396.0	1394.4	1392.3	1390.1
160°	1414.7	1416.4	1418.1	1418.9	1418.2	1416.8	1415.3	1413.9	1412.5	1411.1	1409.7
162.5°	1430.7	1432.8	1434.9	1436.0	1435.2	1433.5	1431.8	1430.2	1428.5	1427.3	1426.1
165°	1444.6	1446.3	1448.0	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1440.6	1439.9
167.5°	1455.2	1457.3	1459.4	1460.5	1459.7	1458.0	1456.4	1454.7	1453.1	1452.4	1451.7
170°	1463.8	1465.9	1468.0	1469.1	1468.3	1466.6	1464.9	1463.3	1461.6	1461.1	1460.7
172.5°	1470.2	1472.3	1474.4	1475.5	1474.7	1473.0	1471.3	1469.7	1468.0	1467.5	1467.1
175°	1473.8	1476.2	1478.5	1479.7	1478.9	1477.2	1475.6	1473.9	1472.3	1471.8	1471.3
177.5°	1475.5	1477.6	1479.7	1480.8	1480.0	1478.3	1476.6	1475.0	1473.3	1473.1	1472.9
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P999277

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2266.0	2258.3	2258.3	2253.7	2253.7	2229.0	2229.0	2236.7	2227.5	2216.7	2201.2
5°	2324.6	2307.7	2303.0	2296.9	2276.8	2246.0	2233.6	2229.0	2210.5	2187.4	2161.1
7.5°	2380.2	2352.4	2338.5	2324.6	2298.4	2255.2	2230.5	2213.6	2185.8	2150.3	2116.4
10°	2434.2	2398.7	2363.2	2346.2	2309.2	2255.2	2219.7	2192.0	2151.9	2104.1	2056.2
12.5°	2483.5	2409.5	2403.3	2369.4	2315.4	2253.7	2199.7	2159.6	2108.7	2053.2	1997.6
15°	2526.7	2451.1	2414.1	2383.3	2312.3	2235.2	2178.1	2128.7	2060.9	1997.6	1929.7
17.5°	2548.3	2466.6	2441.9	2391.0	2318.5	2218.2	2141.1	2080.9	2006.9	1931.3	1854.2
20°	2569.9	2474.3	2434.2	2398.7	2300.0	2185.8	2099.4	2030.0	1948.3	1858.8	1773.9
22.5°	2580.7	2474.3	2426.5	2377.1	2281.5	2150.3	2048.5	1966.8	1871.1	1780.1	1678.3
25°	2562.2	2465.0	2407.9	2357.0	2249.1	2107.1	1989.9	1897.4	1795.5	1692.2	1588.8
27.5°	2515.9	2443.4	2377.1	2324.6	2204.3	2051.6	1928.2	1823.3	1718.4	1602.7	1497.8
30°	2429.5	2397.1	2344.7	2286.1	2155.0	2002.2	1855.7	1747.7	1632.0	1516.3	1406.8
32.5°	2295.3	2323.1	2289.2	2238.3	2096.3	1934.4	1778.6	1669.1	1542.6	1417.6	1317.3
35°	2131.8	2230.5	2212.0	2176.6	2034.6	1861.9	1706.1	1573.4	1446.9	1320.4	1220.2
37.5°	1952.9	2102.5	2117.9	2096.3	1963.7	1787.8	1616.6	1487.0	1357.5	1229.4	1127.6
40°	1707.6	1937.5	1986.8	1996.1	1889.6	1698.4	1519.4	1392.9	1264.9	1140.0	1016.5
42.5°	1482.4	1772.4	1834.1	1872.7	1795.5	1610.4	1430.0	1289.6	1163.1	1050.5	927.1
45°	1271.1	1573.4	1673.7	1723.0	1689.1	1510.2	1323.5	1192.4	1076.7	973.4	854.6
47.5°	1053.6	1357.5	1497.8	1576.5	1576.5	1408.4	1221.7	1092.1	981.1	893.1	788.2
50°	908.6	1161.5	1306.6	1409.9	1437.7	1305.0	1129.2	1002.7	897.8	802.1	721.9
52.5°	774.4	1001.1	1121.4	1229.4	1309.6	1193.9	1025.8	911.7	808.3	718.8	655.6
55°	669.5	839.2	948.7	1067.5	1156.9	1081.3	925.5	814.5	725.0	651.0	597.0
57.5°	569.2	717.3	806.8	911.7	1007.3	950.2	825.3	729.6	651.0	586.2	538.4
60°	484.4	604.7	674.1	755.9	874.6	834.5	731.2	643.2	580.0	521.4	481.3
62.5°	411.9	507.5	566.1	624.7	732.7	714.2	634.0	566.1	512.1	462.8	428.8
65°	337.8	416.5	462.8	513.7	600.1	607.8	543.0	495.2	445.8	402.6	371.8
67.5°	273.0	334.7	376.4	419.6	489.0	510.6	465.9	425.7	384.1	348.6	320.9
70°	220.6	263.8	294.6	328.6	385.6	411.9	388.7	361.0	327.0	297.7	273.0
72.5°	174.3	202.1	220.6	246.8	293.1	319.3	317.8	293.1	268.4	248.4	228.3
75°	128.0	149.6	165.1	182.0	219.0	243.7	249.9	239.1	214.4	199.0	183.6
77.5°	97.2	109.5	117.2	129.6	155.8	177.4	186.7	183.6	166.6	154.3	143.5
80°	74.0	77.1	80.2	84.8	106.4	126.5	132.7	131.1	121.9	117.2	104.9
82.5°	52.4	54.0	55.5	57.1	64.8	81.8	87.9	91.0	83.3	78.7	67.9
85°	30.9	32.4	32.4	35.5	37.0	41.6	52.4	52.4	50.9	44.7	43.2
87.5°	15.4	15.4	13.9	13.9	15.4	17.0	20.1	23.1	20.1	18.5	17.0
90°	15.6	13.7	12.8	11.5	8.9	6.3	3.7	1.1	3.7	6.3	8.9
92.5°	23.5	22.8	22.4	22.9	23.8	24.8	25.7	26.7	25.7	24.8	23.8
95°	36.6	34.9	34.1	38.0	45.8	53.7	61.5	69.3	61.5	53.7	45.8
97.5°	43.0	39.2	37.3	47.0	66.5	85.9	105.4	124.8	105.4	85.9	66.5
100°	48.7	44.7	42.7	58.9	91.4	123.9	156.3	188.8	156.3	123.9	91.4
102.5°	192.4	235.5	257.1	257.3	257.8	258.3	258.7	259.2	258.7	258.3	257.8
105°	259.2	323.9	356.3	352.7	345.6	338.5	331.4	324.3	331.4	338.5	345.6
107.5°	306.9	386.8	426.7	423.7	417.8	411.9	406.0	400.1	406.0	411.9	417.8
110°	392.2	460.7	495.0	492.5	487.5	482.6	477.6	472.6	477.6	482.6	487.5

TEST NUMBER: P999277

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	554.1	558.1	560.1	558.0	553.7	549.4	545.2	540.9	545.2	549.4	553.7
115°	640.5	634.6	631.6	629.6	625.5	621.5	617.4	613.4	617.4	621.5	625.5
117.5°	703.8	699.7	697.7	695.3	690.6	685.9	681.1	676.4	681.1	685.9	690.6
120°	769.2	764.9	762.8	761.0	757.5	753.9	750.4	746.8	750.4	753.9	757.5
122.5°	830.7	826.0	823.6	821.7	817.9	814.1	810.3	806.5	810.3	814.1	817.9
125°	888.0	883.5	881.2	879.7	876.6	873.5	870.5	867.4	870.5	873.5	876.6
127.5°	943.1	939.6	937.8	936.1	932.8	929.5	926.1	922.8	926.1	929.5	932.8
130°	996.1	993.5	992.2	990.3	986.5	982.7	978.9	975.1	978.9	982.7	986.5
132.5°	1046.2	1043.6	1042.3	1040.8	1037.7	1034.6	1031.5	1028.4	1031.5	1034.6	1037.7
135°	1093.5	1091.4	1090.3	1088.4	1084.6	1080.9	1077.1	1073.3	1077.1	1080.9	1084.6
137.5°	1136.6	1134.2	1133.0	1131.6	1128.7	1125.9	1123.0	1120.2	1123.0	1125.9	1128.7
140°	1178.5	1175.9	1174.6	1173.7	1171.8	1169.9	1168.0	1166.1	1168.0	1169.9	1171.8
142.5°	1216.5	1213.4	1211.9	1211.1	1209.4	1207.8	1206.1	1204.5	1206.1	1207.8	1209.4
145°	1250.0	1246.0	1244.0	1244.1	1244.3	1244.6	1244.8	1245.0	1244.8	1244.6	1244.3
147.5°	1283.1	1279.0	1277.0	1277.4	1278.1	1278.8	1279.5	1280.2	1279.5	1278.8	1278.1
150°	1312.6	1308.8	1306.9	1307.7	1309.4	1311.1	1312.7	1314.4	1312.7	1311.1	1309.4
152.5°	1339.9	1336.4	1334.6	1335.6	1337.5	1339.4	1341.3	1343.2	1341.3	1339.4	1337.5
155°	1365.6	1362.7	1361.3	1362.4	1364.5	1366.6	1368.8	1370.9	1368.8	1366.6	1364.5
157.5°	1388.0	1385.9	1384.8	1385.7	1387.6	1389.5	1391.4	1393.3	1391.4	1389.5	1387.6
160°	1408.2	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5	1411.1	1409.7	1408.2
162.5°	1425.0	1423.8	1423.2	1423.9	1425.3	1426.8	1428.2	1429.6	1428.2	1426.8	1425.3
165°	1439.2	1438.5	1438.1	1438.8	1440.2	1441.7	1443.1	1444.5	1443.1	1441.7	1440.2
167.5°	1451.0	1450.3	1449.9	1450.6	1452.0	1453.5	1454.9	1456.3	1454.9	1453.5	1452.0
170°	1460.2	1459.7	1459.5	1460.2	1461.6	1463.1	1464.5	1465.9	1464.5	1463.1	1461.6
172.5°	1466.6	1466.1	1465.9	1466.6	1468.0	1469.5	1470.9	1472.3	1470.9	1469.5	1468.0
175°	1470.8	1470.3	1470.1	1470.9	1472.6	1474.3	1475.9	1477.6	1475.9	1474.3	1472.6
177.5°	1472.6	1472.4	1472.3	1473.1	1474.8	1476.4	1478.1	1479.7	1478.1	1476.4	1474.8
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2195.1	2196.6	2201.2	2187.4	2165.8	2156.5	2128.7	2124.1	2119.5	2119.5	2124.1
5°	2145.7	2139.5	2141.1	2114.9	2084.0	2065.5	2026.9	2033.1	2013.0	2000.7	2003.8
7.5°	2091.7	2074.7	2073.2	2039.3	2000.7	1966.8	1926.7	1917.4	1898.9	1877.3	1868.0
10°	2023.8	2011.5	1988.4	1949.8	1900.4	1872.7	1818.7	1786.3	1781.7	1749.3	1736.9
12.5°	1954.4	1932.8	1909.7	1855.7	1800.2	1755.4	1715.3	1679.9	1655.2	1627.4	1608.9
15°	1874.2	1848.0	1821.8	1764.7	1699.9	1655.2	1595.0	1542.6	1470.1	1413.0	1380.6
17.5°	1786.3	1757.0	1721.5	1658.3	1595.0	1533.3	1422.2	1360.5	1309.6	1275.7	1255.6
20°	1695.3	1662.9	1627.4	1564.2	1454.6	1346.7	1285.0	1237.1	1206.3	1172.3	1147.7
22.5°	1599.6	1565.7	1527.1	1428.4	1312.7	1237.1	1189.3	1144.6	1099.8	1081.3	1069.0
25°	1510.2	1479.3	1430.0	1295.8	1204.7	1135.3	1081.3	1052.0	1028.9	1004.2	981.1
27.5°	1417.6	1360.5	1291.1	1178.5	1121.4	1050.5	1011.9	990.3	950.2	933.3	922.5
30°	1306.6	1243.3	1177.0	1096.8	1030.4	981.1	945.6	910.1	887.0	870.0	851.5
32.5°	1193.9	1133.8	1092.1	1008.8	959.5	908.6	874.6	853.0	819.1	808.3	800.6
35°	1096.8	1045.9	1008.8	941.0	894.7	848.4	823.7	791.3	769.7	749.7	737.3
37.5°	1001.1	973.4	934.8	877.7	828.4	791.3	757.4	746.6	717.3	706.5	694.2
40°	934.8	893.1	860.8	811.4	769.7	729.6	708.0	683.4	663.3	646.3	641.7
42.5°	854.6	823.7	805.2	751.2	708.0	684.9	658.7	630.9	615.5	601.6	584.6
45°	794.4	766.7	740.4	697.2	658.7	629.4	606.2	587.7	561.5	555.3	529.1
47.5°	731.2	703.4	683.4	640.2	604.7	576.9	560.0	535.3	513.7	499.8	487.4
50°	667.9	644.8	626.3	589.3	558.4	529.1	506.0	481.3	472.0	448.9	441.2
52.5°	607.8	592.3	572.3	536.8	506.0	481.3	456.6	436.5	422.7	410.3	401.1
55°	556.9	532.2	522.9	484.4	458.1	431.9	410.3	398.0	381.0	373.3	365.6
57.5°	499.8	485.9	470.5	441.2	411.9	387.2	371.8	353.2	344.0	334.7	328.6
60°	450.4	430.4	418.0	393.4	367.1	344.0	330.1	316.2	303.9	296.2	283.8
62.5°	393.4	377.9	370.2	344.0	322.4	300.8	288.5	274.6	265.3	251.4	236.0
65°	344.0	331.7	322.4	300.8	280.7	260.7	248.4	231.4	219.0	211.3	209.8
67.5°	300.8	291.5	277.7	257.6	237.6	222.1	208.2	194.4	192.8	189.7	189.7
70°	253.0	243.7	236.0	214.4	197.4	180.5	177.4	172.8	168.1	166.6	163.5
72.5°	211.3	203.6	194.4	175.9	158.9	154.3	151.2	148.1	143.5	141.9	140.4
75°	171.2	160.4	154.3	137.3	132.7	129.6	126.5	121.9	118.8	117.2	114.1
77.5°	131.1	120.3	120.3	111.1	108.0	103.4	100.3	97.2	95.6	92.6	92.6
80°	92.6	92.6	89.5	84.8	80.2	78.7	74.0	72.5	71.0	72.5	69.4
82.5°	67.9	61.7	61.7	58.6	55.5	54.0	50.9	50.9	49.4	49.4	49.4
85°	38.6	38.6	37.0	33.9	32.4	32.4	30.9	30.9	29.3	29.3	27.8
87.5°	15.4	13.9	15.4	13.9	13.9	12.3	12.3	12.3	10.8	12.3	10.8
90°	11.5	12.8	13.7	15.6	17.5	19.4	21.3	22.5	23.7	24.9	26.1
92.5°	22.9	22.4	22.8	23.5	24.2	24.9	25.6	26.1	26.5	27.0	27.5
95°	38.0	34.1	34.9	36.6	38.3	39.9	41.6	42.8	44.0	45.1	46.3
97.5°	47.0	37.3	39.2	43.0	46.8	50.6	54.4	55.1	55.8	56.5	57.2
100°	58.9	42.7	44.7	48.7	52.8	56.8	60.8	62.7	64.6	66.5	68.4
102.5°	257.3	257.1	235.5	192.4	149.2	106.1	62.9	65.5	68.1	70.8	73.4
105°	352.7	356.3	323.9	259.2	194.5	129.8	65.1	67.7	70.3	72.9	75.5
107.5°	423.7	426.7	386.8	306.9	227.0	147.1	67.2	69.8	72.4	75.0	77.6
110°	492.5	495.0	460.7	392.2	323.7	255.2	186.7	163.0	139.3	115.6	91.9

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CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	558.0	560.1	558.1	554.1	550.0	546.0	542.0	439.8	337.6	235.4	133.2
115°	629.6	631.6	634.6	640.5	646.4	652.3	658.2	548.4	438.7	328.9	219.2
117.5°	695.3	697.7	699.7	703.8	707.8	711.9	715.9	682.0	648.1	614.2	580.3
120°	761.0	762.8	764.9	769.2	773.5	777.7	782.0	784.8	787.7	790.5	793.4
122.5°	821.7	823.6	826.0	830.7	835.4	840.2	844.9	846.3	847.8	849.2	850.7
125°	879.7	881.2	883.5	888.0	892.5	897.0	901.5	903.2	904.8	906.5	908.2
127.5°	936.1	937.8	939.6	943.1	946.7	950.2	953.8	956.2	958.5	960.9	963.2
130°	990.3	992.2	993.5	996.1	998.7	1001.3	1003.9	1006.5	1009.1	1011.7	1014.3
132.5°	1040.8	1042.3	1043.6	1046.2	1048.9	1051.5	1054.1	1056.2	1058.4	1060.5	1062.6
135°	1088.4	1090.3	1091.4	1093.5	1095.6	1097.8	1099.9	1102.3	1104.7	1107.0	1109.4
137.5°	1131.6	1133.0	1134.2	1136.6	1138.9	1141.3	1143.7	1146.1	1148.4	1150.8	1153.1
140°	1173.7	1174.6	1175.9	1178.5	1181.1	1183.7	1186.3	1188.4	1190.6	1192.7	1194.8
142.5°	1211.1	1211.9	1213.4	1216.5	1219.6	1222.7	1225.8	1227.7	1229.6	1231.5	1233.4
145°	1244.1	1244.0	1246.0	1250.0	1254.1	1258.1	1262.1	1263.8	1265.4	1267.1	1268.8
147.5°	1277.4	1277.0	1279.0	1283.1	1287.1	1291.2	1295.2	1296.4	1297.6	1298.7	1299.9
150°	1307.7	1306.9	1308.8	1312.6	1316.4	1320.2	1324.0	1325.4	1326.8	1328.3	1329.7
152.5°	1335.6	1334.6	1336.4	1339.9	1343.5	1347.0	1350.6	1352.0	1353.4	1354.9	1356.3
155°	1362.4	1361.3	1362.7	1365.6	1368.4	1371.3	1374.1	1375.5	1376.9	1378.4	1379.8
157.5°	1385.7	1384.8	1385.9	1388.0	1390.1	1392.3	1394.4	1396.0	1397.7	1399.3	1401.0
160°	1406.8	1406.1	1406.8	1408.2	1409.7	1411.1	1412.5	1413.9	1415.3	1416.8	1418.2
162.5°	1423.9	1423.2	1423.8	1425.0	1426.1	1427.3	1428.5	1430.2	1431.8	1433.5	1435.2
165°	1438.8	1438.1	1438.5	1439.2	1439.9	1440.6	1441.3	1443.0	1444.6	1446.3	1448.0
167.5°	1450.6	1449.9	1450.3	1451.0	1451.7	1452.4	1453.1	1454.7	1456.4	1458.0	1459.7
170°	1460.2	1459.5	1459.7	1460.2	1460.7	1461.1	1461.6	1463.3	1464.9	1466.6	1468.3
172.5°	1466.6	1465.9	1466.1	1466.6	1467.1	1467.5	1468.0	1469.7	1471.3	1473.0	1474.7
175°	1470.9	1470.1	1470.3	1470.8	1471.3	1471.8	1472.3	1473.9	1475.6	1477.2	1478.9
177.5°	1473.1	1472.3	1472.4	1472.6	1472.9	1473.1	1473.3	1475.0	1476.6	1478.3	1480.0
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

TEST NUMBER: P999277

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2124.1	2121.0	2111.8	2114.9	2110.2	2110.2	2107.1	2107.1	2107.1	2114.9	2110.2
5°	2008.4	1997.6	1986.8	1982.2	1977.6	1972.9	1972.9	1971.4	1985.3	1982.2	1994.5
7.5°	1865.0	1861.9	1840.3	1840.3	1832.6	1829.5	1837.2	1838.7	1840.3	1843.4	1851.1
10°	1736.9	1729.2	1698.4	1701.4	1696.8	1690.6	1695.3	1692.2	1703.0	1706.1	1703.0
12.5°	1585.8	1571.9	1537.9	1521.0	1502.5	1488.6	1505.5	1493.2	1536.4	1548.7	1582.7
15°	1385.2	1359.0	1335.9	1335.9	1318.9	1306.6	1314.3	1328.1	1337.4	1351.3	1357.5
17.5°	1251.0	1240.2	1221.7	1210.9	1206.3	1201.7	1201.7	1207.8	1227.9	1226.3	1238.7
20°	1136.9	1130.7	1121.4	1107.6	1102.9	1099.8	1099.8	1099.8	1113.7	1126.1	1133.8
22.5°	1058.2	1053.6	1047.4	1028.9	1019.6	1016.5	1024.3	1028.9	1039.7	1048.9	1056.7
25°	979.5	968.7	957.9	951.8	947.1	947.1	950.2	951.8	956.4	961.0	970.3
27.5°	914.7	907.0	891.6	874.6	874.6	870.0	873.1	876.2	887.0	902.4	910.1
30°	842.2	840.7	834.5	828.4	822.2	819.1	825.3	829.9	831.4	839.2	839.2
32.5°	789.8	779.0	768.2	762.0	758.9	757.4	758.9	765.1	765.1	774.4	785.2
35°	737.3	731.2	720.4	709.6	706.5	698.8	705.0	711.1	721.9	726.5	731.2
37.5°	680.3	672.6	667.9	664.8	658.7	660.2	655.6	664.8	674.1	672.6	675.6
40°	637.1	623.2	609.3	607.8	606.2	604.7	604.7	606.2	612.4	618.6	627.8
42.5°	581.5	576.9	564.6	552.2	549.2	546.1	543.0	549.2	561.5	572.3	576.9
45°	524.5	518.3	515.2	506.0	499.8	498.2	495.2	502.9	513.7	518.3	521.4
47.5°	472.0	470.5	461.2	462.8	458.1	459.7	458.1	462.8	462.8	467.4	470.5
50°	436.5	431.9	427.3	424.2	419.6	419.6	418.0	419.6	425.7	431.9	430.4
52.5°	401.1	393.4	391.8	390.3	387.2	390.3	385.6	387.2	393.4	396.4	394.9
55°	359.4	357.9	354.8	351.7	350.2	348.6	348.6	348.6	354.8	359.4	361.0
57.5°	327.0	319.3	313.1	313.1	307.0	305.4	308.5	310.1	314.7	317.8	320.9
60°	282.3	279.2	269.9	265.3	256.1	254.5	254.5	260.7	268.4	279.2	282.3
62.5°	234.5	229.8	228.3	228.3	228.3	228.3	228.3	228.3	228.3	229.8	229.8
65°	208.2	209.8	208.2	206.7	208.2	208.2	206.7	206.7	206.7	208.2	209.8
67.5°	186.7	185.1	186.7	185.1	183.6	183.6	182.0	183.6	185.1	186.7	186.7
70°	162.0	162.0	160.4	162.0	160.4	158.9	157.3	157.3	160.4	162.0	162.0
72.5°	138.8	138.8	137.3	137.3	134.2	134.2	135.7	134.2	134.2	138.8	138.8
75°	115.7	114.1	112.6	112.6	111.1	111.1	111.1	109.5	112.6	112.6	114.1
77.5°	91.0	91.0	91.0	89.5	89.5	87.9	87.9	89.5	89.5	89.5	91.0
80°	69.4	69.4	69.4	67.9	66.3	66.3	66.3	66.3	66.3	67.9	66.3
82.5°	47.8	47.8	47.8	47.8	47.8	46.3	46.3	46.3	47.8	47.8	46.3
85°	29.3	27.8	29.3	29.3	27.8	29.3	27.8	27.8	26.2	26.2	27.8
87.5°	12.3	10.8	9.3	9.3	10.8	9.3	9.3	9.3	10.8	9.3	9.3
90°	26.7	26.9	27.4	27.9	28.3	28.8	28.3	27.9	27.4	26.9	26.7
92.5°	27.7	27.8	28.1	28.3	28.6	28.8	28.6	28.3	28.1	27.8	27.7
95°	46.9	46.8	46.6	46.3	46.1	45.9	46.1	46.3	46.6	46.8	46.9
97.5°	57.6	57.7	58.0	58.2	58.5	58.7	58.5	58.2	58.0	57.7	57.6
100°	69.3	69.5	70.0	70.5	71.0	71.5	71.0	70.5	70.0	69.5	69.3
102.5°	74.7	75.1	75.8	76.5	77.2	77.9	77.2	76.5	75.8	75.1	74.7
105°	76.8	77.3	78.2	79.2	80.1	81.1	80.1	79.2	78.2	77.3	76.8
107.5°	78.9	79.4	80.3	81.3	82.2	83.2	82.2	81.3	80.3	79.4	78.9
110°	80.0	80.5	81.4	82.4	83.3	84.3	83.3	82.4	81.4	80.5	80.0

TEST NUMBER: P999277

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	82.1	82.5	83.2	83.9	84.6	85.3	84.6	83.9	83.2	82.5	82.1
115°	164.3	155.8	138.7	121.6	104.6	87.5	104.6	121.6	138.7	155.8	164.3
117.5°	563.3	532.2	470.1	408.0	345.9	283.8	345.9	408.0	470.1	532.2	563.3
120°	794.8	778.8	746.8	714.8	682.8	650.8	682.8	714.8	746.8	778.8	794.8
122.5°	851.4	851.5	851.7	852.0	852.2	852.4	852.2	852.0	851.7	851.5	851.4
125°	909.0	909.4	910.1	910.8	911.5	912.2	911.5	910.8	910.1	909.4	909.0
127.5°	964.4	964.5	964.8	965.0	965.3	965.5	965.3	965.0	964.8	964.5	964.4
130°	1015.6	1015.5	1015.3	1015.0	1014.8	1014.6	1014.8	1015.0	1015.3	1015.5	1015.6
132.5°	1063.7	1063.6	1063.3	1063.1	1062.8	1062.6	1062.8	1063.1	1063.3	1063.6	1063.7
135°	1110.6	1110.4	1109.9	1109.4	1109.0	1108.5	1109.0	1109.4	1109.9	1110.4	1110.6
137.5°	1154.3	1153.9	1153.2	1152.5	1151.8	1151.1	1151.8	1152.5	1153.2	1153.9	1154.3
140°	1195.9	1195.3	1194.1	1193.0	1191.8	1190.6	1191.8	1193.0	1194.1	1195.3	1195.9
142.5°	1234.4	1233.8	1232.6	1231.4	1230.2	1229.0	1230.2	1231.4	1232.6	1233.8	1234.4
145°	1269.6	1269.0	1267.8	1266.6	1265.4	1264.2	1265.4	1266.6	1267.8	1269.0	1269.6
147.5°	1300.5	1300.0	1299.1	1298.1	1297.2	1296.2	1297.2	1298.1	1299.1	1300.0	1300.5
150°	1330.4	1329.8	1328.6	1327.4	1326.2	1325.0	1326.2	1327.4	1328.6	1329.8	1330.4
152.5°	1357.0	1356.2	1354.5	1352.9	1351.2	1349.6	1351.2	1352.9	1354.5	1356.2	1357.0
155°	1380.5	1379.6	1377.7	1375.8	1373.9	1372.0	1373.9	1375.8	1377.7	1379.6	1380.5
157.5°	1401.8	1400.9	1399.0	1397.1	1395.2	1393.3	1395.2	1397.1	1399.0	1400.9	1401.8
160°	1418.9	1418.1	1416.4	1414.7	1413.1	1411.4	1413.1	1414.7	1416.4	1418.1	1418.9
162.5°	1436.0	1434.9	1432.8	1430.7	1428.5	1426.4	1428.5	1430.7	1432.8	1434.9	1436.0
165°	1448.8	1448.0	1446.3	1444.6	1443.0	1441.3	1443.0	1444.6	1446.3	1448.0	1448.8
167.5°	1460.5	1459.4	1457.3	1455.2	1453.0	1450.9	1453.0	1455.2	1457.3	1459.4	1460.5
170°	1469.1	1468.0	1465.9	1463.8	1461.6	1459.5	1461.6	1463.8	1465.9	1468.0	1469.1
172.5°	1475.5	1474.4	1472.3	1470.2	1468.0	1465.9	1468.0	1470.2	1472.3	1474.4	1475.5
175°	1479.7	1478.5	1476.2	1473.8	1471.5	1469.1	1471.5	1473.8	1476.2	1478.5	1479.7
177.5°	1480.8	1479.7	1477.6	1475.5	1473.3	1471.2	1473.3	1475.5	1477.6	1479.7	1480.8
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7	2219.7
2.5°	2114.9	2122.6	2119.5	2102.5	2119.5	2124.1	2133.4	2142.6	2148.8	2158.0	2165.8
5°	1982.2	1997.6	2006.9	1997.6	2028.5	2033.1	2054.7	2067.0	2085.5	2101.0	2113.3
7.5°	1857.2	1869.6	1888.1	1891.2	1909.7	1931.3	1962.1	1993.0	2022.3	2037.7	2051.6
10°	1723.0	1744.6	1772.4	1766.2	1794.0	1827.9	1860.3	1909.7	1934.4	1962.1	1986.8
12.5°	1588.8	1602.7	1639.7	1652.1	1692.2	1718.4	1763.1	1794.0	1855.7	1888.1	1909.7
15°	1354.4	1411.4	1457.7	1513.3	1565.7	1615.1	1655.2	1710.7	1764.7	1789.4	1824.9
17.5°	1247.9	1274.2	1301.9	1329.7	1397.6	1485.5	1556.4	1616.6	1662.9	1695.3	1736.9
20°	1136.9	1163.1	1193.9	1220.2	1261.8	1325.1	1413.0	1516.3	1571.9	1605.8	1645.9
22.5°	1058.2	1082.9	1102.9	1126.1	1158.5	1204.7	1271.1	1399.1	1473.1	1514.8	1550.3
25°	973.4	1004.2	1025.8	1042.8	1069.0	1119.9	1173.9	1246.4	1379.1	1411.4	1460.8
27.5°	914.7	924.0	948.7	974.9	1001.1	1028.9	1084.4	1146.1	1235.6	1306.6	1366.7
30°	845.3	868.5	891.6	902.4	925.5	965.6	999.6	1065.9	1135.3	1190.9	1263.4
32.5°	792.9	806.8	822.2	848.4	870.0	897.8	931.7	987.2	1045.9	1081.3	1136.9
35°	734.3	743.5	775.9	786.7	808.3	836.1	870.0	913.2	976.4	1004.2	1044.3
37.5°	678.7	700.3	709.6	734.3	754.3	782.1	806.8	856.1	897.8	930.2	967.2
40°	635.5	644.8	661.8	683.4	700.3	721.9	752.8	788.2	833.0	859.2	891.6
42.5°	583.1	590.8	612.4	624.7	652.5	672.6	691.1	734.3	774.4	794.4	826.8
45°	526.0	544.5	558.4	583.1	598.5	623.2	646.3	677.2	714.2	737.3	755.9
47.5°	476.7	495.2	509.0	532.2	556.9	567.7	592.3	624.7	658.7	677.2	703.4
50°	436.5	442.7	468.9	479.7	506.0	527.6	544.5	572.3	609.3	620.1	641.7
52.5°	398.0	402.6	419.6	433.5	456.6	475.1	496.7	522.9	553.8	570.7	587.7
55°	364.0	367.1	374.8	390.3	405.7	428.8	448.9	473.6	499.8	518.3	533.7
57.5°	325.5	331.7	337.8	347.1	362.5	384.1	405.7	428.8	450.4	462.8	482.8
60°	280.7	290.0	300.8	311.6	322.4	337.8	362.5	384.1	404.2	414.9	430.4
62.5°	232.9	251.4	260.7	273.0	282.3	296.2	314.7	339.4	353.2	367.1	379.5
65°	209.8	211.3	212.9	225.2	242.2	256.1	273.0	291.5	313.1	322.4	331.7
67.5°	186.7	188.2	191.3	192.8	199.0	214.4	232.9	253.0	269.9	276.1	285.4
70°	163.5	163.5	169.7	171.2	172.8	174.3	189.7	209.8	225.2	232.9	243.7
72.5°	138.8	140.4	143.5	145.0	148.1	151.2	155.8	166.6	185.1	192.8	205.2
75°	114.1	115.7	117.2	118.8	123.4	124.9	129.6	135.7	143.5	152.7	160.4
77.5°	91.0	91.0	92.6	95.6	98.7	100.3	104.9	108.0	111.1	115.7	121.9
80°	67.9	69.4	69.4	72.5	72.5	74.0	75.6	80.2	83.3	86.4	89.5
82.5°	46.3	49.4	49.4	49.4	50.9	52.4	54.0	54.0	57.1	58.6	63.2
85°	27.8	29.3	29.3	29.3	27.8	30.9	30.9	32.4	32.4	32.4	33.9
87.5°	10.8	9.3	10.8	10.8	10.8	12.3	10.8	10.8	12.3	13.9	13.9
90°	26.1	24.9	23.7	22.5	21.3	19.4	17.5	15.6	13.7	12.8	11.5
92.5°	27.5	27.0	26.5	26.1	25.6	24.9	24.2	23.5	22.8	22.4	22.9
95°	46.3	45.1	44.0	42.8	41.6	39.9	38.3	36.6	34.9	34.1	38.0
97.5°	57.2	56.5	55.8	55.1	54.4	50.6	46.8	43.0	39.2	37.3	47.0
100°	68.4	66.5	64.6	62.7	60.8	56.8	52.8	48.7	44.7	42.7	58.9
102.5°	73.4	70.8	68.1	65.5	62.9	106.1	149.2	192.4	235.5	257.1	257.3
105°	75.5	72.9	70.3	67.7	65.1	129.8	194.5	259.2	323.9	356.3	352.7
107.5°	77.6	75.0	72.4	69.8	67.2	147.1	227.0	306.9	386.8	426.7	423.7
110°	91.9	115.6	139.3	163.0	186.7	255.2	323.7	392.2	460.7	495.0	492.5

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CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	133.2	235.4	337.6	439.8	542.0	546.0	550.0	554.1	558.1	560.1	558.0
115°	219.2	328.9	438.7	548.4	658.2	652.3	646.4	640.5	634.6	631.6	629.6
117.5°	580.3	614.2	648.1	682.0	715.9	711.9	707.8	703.8	699.7	697.7	695.3
120°	793.4	790.5	787.7	784.8	782.0	777.7	773.5	769.2	764.9	762.8	761.0
122.5°	850.7	849.2	847.8	846.3	844.9	840.2	835.4	830.7	826.0	823.6	821.7
125°	908.2	906.5	904.8	903.2	901.5	897.0	892.5	888.0	883.5	881.2	879.7
127.5°	963.2	960.9	958.5	956.2	953.8	950.2	946.7	943.1	939.6	937.8	936.1
130°	1014.3	1011.7	1009.1	1006.5	1003.9	1001.3	998.7	996.1	993.5	992.2	990.3
132.5°	1062.6	1060.5	1058.4	1056.2	1054.1	1051.5	1048.9	1046.2	1043.6	1042.3	1040.8
135°	1109.4	1107.0	1104.7	1102.3	1099.9	1097.8	1095.6	1093.5	1091.4	1090.3	1088.4
137.5°	1153.1	1150.8	1148.4	1146.1	1143.7	1141.3	1138.9	1136.6	1134.2	1133.0	1131.6
140°	1194.8	1192.7	1190.6	1188.4	1186.3	1183.7	1181.1	1178.5	1175.9	1174.6	1173.7
142.5°	1233.4	1231.5	1229.6	1227.7	1225.8	1222.7	1219.6	1216.5	1213.4	1211.9	1211.1
145°	1268.8	1267.1	1265.4	1263.8	1262.1	1258.1	1254.1	1250.0	1246.0	1244.0	1244.1
147.5°	1299.9	1298.7	1297.6	1296.4	1295.2	1291.2	1287.1	1283.1	1279.0	1277.0	1277.4
150°	1329.7	1328.3	1326.8	1325.4	1324.0	1320.2	1316.4	1312.6	1308.8	1306.9	1307.7
152.5°	1356.3	1354.9	1353.4	1352.0	1350.6	1347.0	1343.5	1339.9	1336.4	1334.6	1335.6
155°	1379.8	1378.4	1376.9	1375.5	1374.1	1371.3	1368.4	1365.6	1362.7	1361.3	1362.4
157.5°	1401.0	1399.3	1397.7	1396.0	1394.4	1392.3	1390.1	1388.0	1385.9	1384.8	1385.7
160°	1418.2	1416.8	1415.3	1413.9	1412.5	1411.1	1409.7	1408.2	1406.8	1406.1	1406.8
162.5°	1435.2	1433.5	1431.8	1430.2	1428.5	1427.3	1426.1	1425.0	1423.8	1423.2	1423.9
165°	1448.0	1446.3	1444.6	1443.0	1441.3	1440.6	1439.9	1439.2	1438.5	1438.1	1438.8
167.5°	1459.7	1458.0	1456.4	1454.7	1453.1	1452.4	1451.7	1451.0	1450.3	1449.9	1450.6
170°	1468.3	1466.6	1464.9	1463.3	1461.6	1461.1	1460.7	1460.2	1459.7	1459.5	1460.2
172.5°	1474.7	1473.0	1471.3	1469.7	1468.0	1467.5	1467.1	1466.6	1466.1	1465.9	1466.6
175°	1478.9	1477.2	1475.6	1473.9	1472.3	1471.8	1471.3	1470.8	1470.3	1470.1	1470.9
177.5°	1480.0	1478.3	1476.6	1475.0	1473.3	1473.1	1472.9	1472.6	1472.4	1472.3	1473.1
180°	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4	1474.4

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2219.7	2219.7	2219.7	2219.7
2.5°	2179.6	2175.0	2202.8	2233.6
5°	2134.9	2142.6	2178.1	2221.3
7.5°	2088.6	2105.6	2147.2	2204.3
10°	2023.8	2054.7	2117.9	2176.6
12.5°	1960.6	2002.2	2062.4	2131.8
15°	1889.6	1935.9	2010.0	2093.3
17.5°	1811.0	1863.4	1949.8	2040.8
20°	1727.7	1797.1	1888.1	1986.8
22.5°	1635.1	1718.4	1812.5	1922.0
25°	1545.6	1636.7	1730.8	1857.2
27.5°	1457.7	1547.2	1652.1	1780.1
30°	1369.8	1451.6	1564.2	1701.4
32.5°	1275.7	1360.5	1479.3	1619.7
35°	1189.3	1274.2	1385.2	1524.1
37.5°	1096.8	1187.8	1294.2	1437.7
40°	988.8	1095.2	1198.6	1335.9
42.5°	899.3	1011.9	1112.2	1241.8
45°	828.4	934.8	1018.1	1144.6
47.5°	762.0	848.4	933.3	1050.5
50°	698.8	765.1	853.0	957.9
52.5°	634.0	691.1	766.7	865.4
55°	575.4	629.4	697.2	772.8
57.5°	521.4	560.0	627.8	695.7
60°	461.2	501.3	553.8	610.9
62.5°	410.3	441.2	490.5	538.4
65°	356.3	385.6	422.7	467.4
67.5°	307.0	333.2	362.5	398.0
70°	262.2	282.3	303.9	334.7
72.5°	214.4	236.0	256.1	280.7
75°	175.9	185.1	202.1	219.0
77.5°	135.7	148.1	157.3	171.2
80°	97.2	108.0	111.1	121.9
82.5°	64.8	71.0	77.1	80.2
85°	37.0	40.1	46.3	47.8
87.5°	13.9	15.4	18.5	21.6
90°	8.9	6.3	3.7	1.1
92.5°	23.8	24.8	25.7	26.7
95°	45.8	53.7	61.5	69.3
97.5°	66.5	85.9	105.4	124.8
100°	91.4	123.9	156.3	188.8
102.5°	257.8	258.3	258.7	259.2
105°	345.6	338.5	331.4	324.3
107.5°	417.8	411.9	406.0	400.1
110°	487.5	482.6	477.6	472.6

TEST NUMBER: P999277

CATALOG NUMBER: SA2XXRDIP-B1005D1080UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	553.7	549.4	545.2	540.9
115°	625.5	621.5	617.4	613.4
117.5°	690.6	685.9	681.1	676.4
120°	757.5	753.9	750.4	746.8
122.5°	817.9	814.1	810.3	806.5
125°	876.6	873.5	870.5	867.4
127.5°	932.8	929.5	926.1	922.8
130°	986.5	982.7	978.9	975.1
132.5°	1037.7	1034.6	1031.5	1028.4
135°	1084.6	1080.9	1077.1	1073.3
137.5°	1128.7	1125.9	1123.0	1120.2
140°	1171.8	1169.9	1168.0	1166.1
142.5°	1209.4	1207.8	1206.1	1204.5
145°	1244.3	1244.6	1244.8	1245.0
147.5°	1278.1	1278.8	1279.5	1280.2
150°	1309.4	1311.1	1312.7	1314.4
152.5°	1337.5	1339.4	1341.3	1343.2
155°	1364.5	1366.6	1368.8	1370.9
157.5°	1387.6	1389.5	1391.4	1393.3
160°	1408.2	1409.7	1411.1	1412.5
162.5°	1425.3	1426.8	1428.2	1429.6
165°	1440.2	1441.7	1443.1	1444.5
167.5°	1452.0	1453.5	1454.9	1456.3
170°	1461.6	1463.1	1464.5	1465.9
172.5°	1468.0	1469.5	1470.9	1472.3
175°	1472.6	1474.3	1475.9	1477.6
177.5°	1474.8	1476.4	1478.1	1479.7
180°	1474.4	1474.4	1474.4	1474.4

(END OF REPORT)