

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P331747

Luminaire Tested: **SA2XXRDIP-C1005D725U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331747
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C1005D725U835-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 725 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

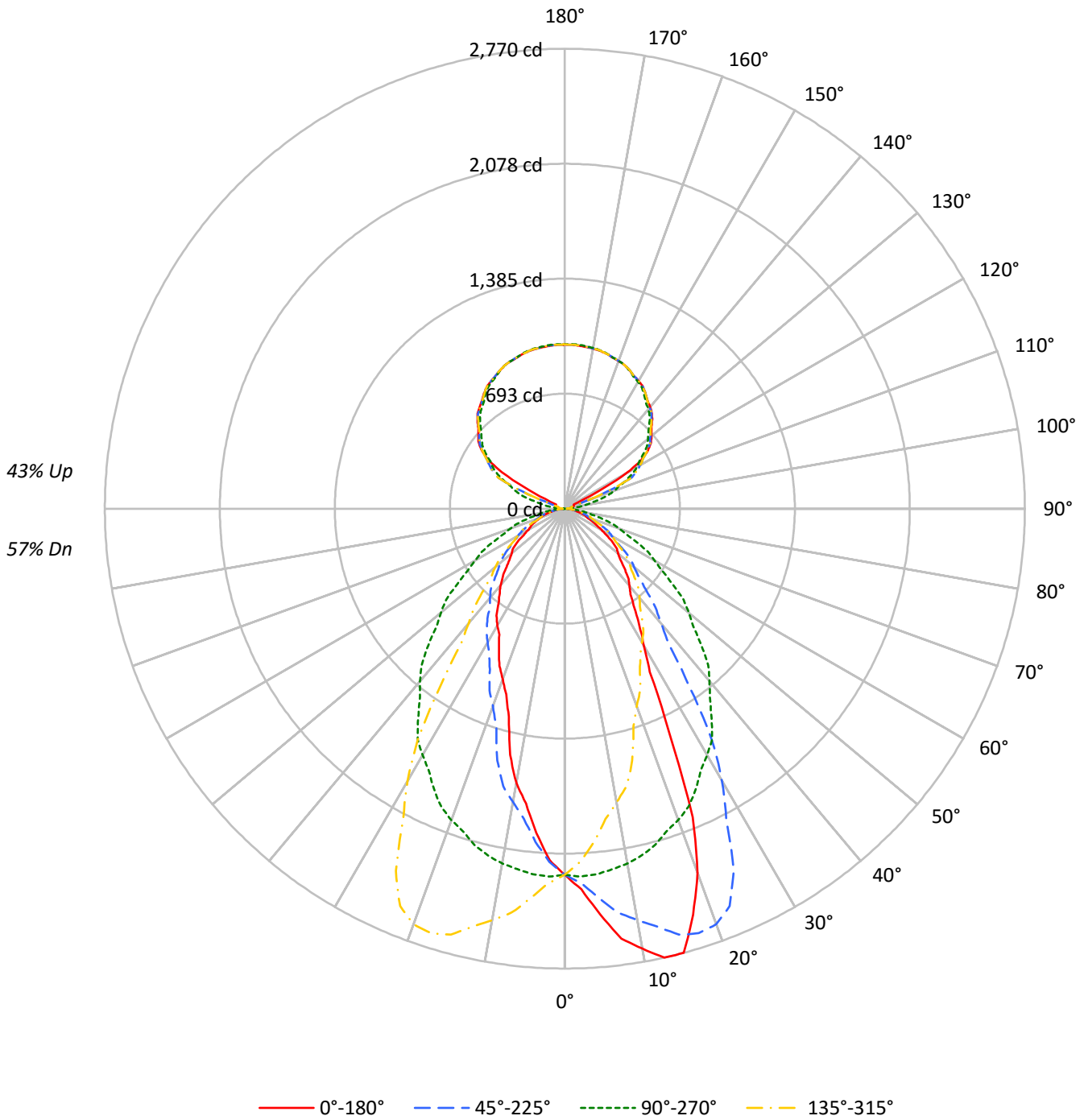
Lumens per Lamp: N/A
Luminaire Lumens: 6711.0 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 60.7
Input Voltage (V): 120
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: 25 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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57				
1	100	96	93	89	93	90	87	84	78	75	73	67	65	64	56	55	54	50				
2	92	85	79	74	86	80	75	70	69	65	62	60	57	55	51	49	47	43				
3	85	76	69	63	79	71	65	60	62	57	54	54	50	47	46	43	41	38				
4	78	68	60	54	72	64	57	52	56	51	47	49	45	41	42	39	37	33				
5	72	61	53	47	67	57	50	45	50	45	41	44	40	37	38	35	33	30				
6	67	55	47	42	62	52	45	40	46	40	36	40	36	33	35	32	29	27				
7	62	50	43	37	58	47	41	36	42	37	33	37	33	29	32	29	26	24				
8	58	46	38	33	54	43	37	32	39	33	29	34	30	27	30	27	24	22				
9	54	42	35	30	51	40	33	29	36	30	27	32	27	24	28	25	22	20				
10	51	39	32	27	47	37	31	26	33	28	24	30	25	22	26	23	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35608	35608	35608	35608
5°	39768	35832	31770	35832
10°	44124	35580	27539	35580
15°	46292	35059	21698	35059
20°	40132	34287	18777	34287
25°	26320	33228	16764	33228
30°	17715	31946	15172	31946
35°	14349	30328	13685	30328
40°	12760	28572	12663	28572
45°	11549	26510	11303	26510
50°	10510	24465	10472	24465
55°	9880	22196	9751	22196
60°	8263	20118	8167	20118
65°	6968	18269	7904	18269
70°	6439	16315	7454	16315
75°	6026	14198	6881	14198
80°	5560	11688	6127	11688
85°	5113	9226	5391	9226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.1	3.1
10°-20°	582.5	8.7
20°-30°	750.7	11.2
30°-40°	713.4	10.6
40°-50°	611.1	9.1
50°-60°	465.4	6.9
60°-70°	294.2	4.4
70°-80°	146.9	2.2
80°-90°	40.7	0.6
90°-100°	33.0	0.5
100°-110°	120.9	1.8
110°-120°	323.3	4.8
120°-130°	533.6	8.0
130°-140°	567.5	8.5
140°-150°	527.5	7.9
150°-160°	424.1	6.3
160°-170°	273.3	4.1
170°-180°	94.1	1.4
0°-30°	1542.3	23.0
0°-40°	2255.7	33.6
0°-60°	3332.1	49.7
0°-90°	3813.9	56.8
90°-120°	477.2	7.1
90°-150°	2105.7	31.4
90°-180°	2897.0	43.2
0°-180°	6711.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2205	2205	2205	2205	2205	
5°	2454	2211	1960	2211	2454	242
15°	2769	2097	1298	2097	2769	747
25°	1477	1865	941	1865	1477	701
35°	728	1539	694	1539	728	466
45°	506	1161	495	1161	506	391
55°	351	788	346	788	351	308
65°	182	478	207	478	182	186
75°	97	228	110	228	97	102
85°	28	50	29	50	28	30
90°	19	1	19	1	19	10
95°	31	46	31	46	31	29
105°	54	218	54	218	54	57
115°	59	411	59	411	59	147
125°	612	582	612	582	612	529
135°	743	720	743	720	743	573
145°	848	835	848	835	848	530
155°	920	919	920	919	920	424
165°	966	969	966	969	966	273
175°	985	991	985	991	985	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2294.9	2296.8	2298.6	2294.3	2294.3	2290.6	2282.7	2276.5	2259.4	2256.9	2256.9
5°	2453.7	2452.2	2455.2	2445.3	2431.5	2428.4	2413.9	2394.7	2374.8	2352.6	2348.0
7.5°	2611.6	2609.3	2603.1	2601.5	2590.9	2567.7	2544.3	2519.3	2486.2	2453.9	2437.6
10°	2691.3	2716.6	2701.2	2674.4	2679.8	2643.8	2624.6	2591.7	2564.1	2515.8	2505.1
12.5°	2769.7	2779.7	2774.8	2759.6	2752.7	2727.7	2701.8	2673.2	2622.3	2578.9	2541.2
15°	2769.4	2784.0	2787.8	2783.2	2787.1	2785.5	2771.7	2748.0	2703.5	2656.0	2614.6
17.5°	2565.0	2575.1	2600.2	2617.2	2638.7	2684.1	2706.4	2715.2	2708.6	2681.5	2652.3
20°	2335.7	2318.8	2389.3	2425.4	2456.0	2532.6	2598.5	2623.8	2664.4	2663.7	2656.0
22.5°	2010.8	2014.8	2081.6	2124.4	2213.9	2290.5	2365.6	2460.8	2539.4	2591.3	2621.7
25°	1477.4	1506.6	1573.2	1631.5	1731.1	1873.6	2003.1	2153.3	2295.1	2407.0	2513.5
27.5°	1109.6	1111.8	1164.6	1218.4	1277.6	1394.4	1557.4	1736.8	1938.9	2105.7	2297.5
30°	950.2	945.6	967.8	1000.8	1051.4	1141.8	1264.4	1440.7	1642.2	1893.5	2117.3
32.5°	837.4	837.7	854.4	878.8	920.8	981.8	1065.8	1208.9	1399.4	1646.5	1908.9
35°	728.0	727.2	739.5	757.1	774.7	813.8	871.3	946.4	1077.4	1308.1	1576.3
37.5°	649.5	652.9	658.9	669.9	689.4	711.1	745.6	796.0	889.4	1025.8	1251.2
40°	605.4	606.9	615.3	624.5	636.0	652.9	681.2	721.9	790.1	898.9	1063.6
42.5°	564.9	566.5	572.4	581.0	590.1	606.9	630.4	665.5	720.8	805.7	941.6
45°	505.8	505.8	511.1	515.0	524.9	540.2	559.4	588.5	626.8	689.7	780.1
47.5°	450.3	450.4	454.0	460.6	466.8	478.8	497.6	521.4	549.3	597.9	675.1
50°	418.4	419.2	421.5	426.8	430.7	441.4	456.0	476.6	505.8	543.3	607.7
52.5°	392.7	392.2	395.1	397.4	400.0	407.7	418.6	436.8	462.8	495.5	548.8
55°	351.0	347.9	352.5	356.3	358.6	361.7	367.8	379.3	401.5	429.1	469.0
57.5°	298.9	297.6	300.9	304.4	311.6	319.9	325.1	332.4	343.9	363.7	403.2
60°	255.9	255.9	262.8	265.1	273.6	284.3	295.0	301.2	312.7	325.7	354.8
62.5°	217.9	218.6	221.8	224.1	228.8	242.0	257.0	270.5	281.4	293.8	313.1
65°	182.4	183.9	183.9	185.4	188.5	191.6	197.7	208.4	227.6	245.2	259.8
67.5°	154.8	155.3	155.7	157.2	158.0	161.4	163.8	168.6	173.0	189.7	207.8
70°	136.4	138.7	137.9	139.5	140.2	141.8	144.8	147.1	154.0	157.9	168.6
72.5°	119.2	120.9	120.8	121.7	123.7	124.0	126.4	128.7	133.2	136.4	142.2
75°	96.6	95.8	96.6	98.1	98.9	99.6	99.6	102.7	105.0	108.0	111.9
77.5°	74.5	75.3	75.1	75.3	75.4	76.8	76.6	78.0	80.3	81.8	83.7
80°	59.8	60.5	59.8	60.5	61.3	62.1	61.3	62.1	64.4	65.9	65.9
82.5°	46.3	46.4	46.9	47.1	47.2	47.4	48.4	48.6	50.3	50.0	50.6
85°	27.6	26.8	26.8	26.8	27.6	28.4	27.6	27.6	28.4	28.4	28.4
87.5°	13.7	14.2	14.2	14.1	14.0	13.9	13.8	14.2	13.4	13.9	13.0
90°	19.3	19.0	18.7	18.4	18.0	17.5	16.7	15.9	15.1	14.3	13.0
92.5°	19.3	19.1	18.9	18.7	18.6	18.2	17.8	17.4	17.0	16.6	16.0
95°	30.8	30.9	31.1	31.2	31.4	31.1	30.3	29.5	28.7	27.9	26.8
97.5°	41.1	40.9	40.7	40.5	40.3	39.9	39.2	38.6	38.0	37.3	34.8
100°	47.9	47.6	47.3	47.0	46.7	45.9	44.6	43.3	42.0	40.8	38.1
102.5°	51.4	50.9	50.5	50.0	49.6	48.5	46.9	45.2	43.6	41.9	64.5
105°	54.4	53.7	53.1	52.5	51.8	50.6	48.9	47.1	45.4	43.6	87.0
107.5°	55.9	55.3	54.7	54.0	53.4	54.0	55.7	57.5	59.3	61.1	113.1
110°	56.5	55.9	55.2	54.6	54.0	61.6	77.5	93.4	109.3	125.2	171.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	57.1	56.6	56.1	55.6	55.0	83.8	141.8	199.8	257.8	315.7	327.1
115°	58.7	70.1	81.5	93.0	104.4	147.0	220.6	294.2	367.8	441.4	437.4
117.5°	239.5	277.1	314.7	352.3	389.9	417.6	435.4	453.3	471.1	488.9	486.1
120°	436.4	457.8	479.3	500.7	522.2	532.0	530.1	528.2	526.2	524.3	521.5
122.5°	544.5	548.7	552.8	557.0	561.2	562.7	561.5	560.4	559.2	558.1	555.0
125°	611.6	611.1	610.7	610.2	609.7	608.9	607.8	606.7	605.6	604.5	601.4
127.5°	654.0	653.9	653.8	653.7	653.6	652.7	651.1	649.5	647.9	646.2	644.0
130°	680.3	680.4	680.6	680.8	680.9	680.1	678.4	676.6	674.9	673.1	671.4
132.5°	706.0	706.2	706.4	706.5	706.7	706.0	704.5	703.0	701.5	700.0	698.3
135°	743.2	743.5	743.9	744.2	744.5	743.9	742.3	740.7	739.1	737.5	736.1
137.5°	777.1	777.7	778.2	778.8	779.3	778.8	777.2	775.7	774.1	772.6	770.9
140°	798.3	799.1	799.9	800.7	801.5	801.2	799.7	798.3	796.9	795.5	793.7
142.5°	818.9	819.7	820.5	821.3	822.1	821.8	820.5	819.2	817.9	816.6	814.6
145°	847.7	848.5	849.3	850.1	850.8	850.7	849.6	848.5	847.4	846.2	843.5
147.5°	873.0	873.7	874.3	875.0	875.7	875.6	874.8	873.9	873.1	872.3	869.6
150°	888.4	889.2	890.0	890.8	891.6	891.5	890.6	889.6	888.7	887.7	885.2
152.5°	901.6	902.7	903.7	904.8	905.8	905.9	904.9	903.9	903.0	902.0	899.6
155°	919.9	921.2	922.5	923.7	925.0	925.2	924.2	923.3	922.3	921.3	919.4
157.5°	936.7	937.9	939.1	940.4	941.6	941.7	940.6	939.5	938.5	937.4	936.0
160°	946.4	947.5	948.6	949.7	950.8	950.9	950.0	949.0	948.1	947.1	946.1
162.5°	954.4	955.8	957.1	958.5	959.9	960.0	958.9	957.8	956.8	955.7	954.9
165°	966.4	967.5	968.6	969.8	970.9	970.9	969.8	968.6	967.5	966.4	965.9
167.5°	974.0	975.4	976.9	978.3	979.7	979.9	978.8	977.7	976.5	975.4	975.0
170°	978.6	980.0	981.4	982.9	984.3	984.5	983.3	982.2	981.1	980.0	979.7
172.5°	982.0	983.4	984.9	986.3	987.7	987.9	986.8	985.7	984.6	983.4	983.1
175°	985.0	986.6	988.2	989.8	991.4	991.6	990.5	989.4	988.3	987.2	986.8
177.5°	986.9	988.0	989.2	990.3	991.5	991.6	990.7	989.8	988.9	988.0	987.9
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2258.2	2253.2	2249.0	2237.9	2232.4	2220.1	2218.3	2217.7	2201.8	2186.4	2182.1
5°	2335.7	2323.4	2305.1	2283.6	2261.4	2238.4	2223.1	2210.8	2180.1	2151.0	2134.2
7.5°	2413.9	2387.5	2355.8	2315.2	2281.3	2243.3	2215.1	2189.8	2146.3	2104.6	2076.5
10°	2472.1	2429.2	2387.0	2331.1	2287.4	2244.5	2204.7	2170.2	2121.1	2066.0	2026.9
12.5°	2508.3	2461.1	2403.0	2348.3	2291.7	2237.2	2183.8	2139.5	2081.9	2024.9	1978.5
15°	2557.2	2506.6	2436.1	2357.9	2285.1	2213.9	2152.6	2097.4	2022.3	1954.1	1897.4
17.5°	2597.2	2527.6	2451.9	2361.5	2277.2	2186.6	2107.7	2037.2	1953.6	1871.3	1804.5
20°	2610.0	2541.1	2453.7	2363.3	2263.7	2157.2	2072.1	1995.5	1905.8	1816.1	1739.5
22.5°	2602.1	2548.4	2451.3	2343.1	2241.0	2129.6	2033.5	1944.6	1845.1	1753.6	1664.7
25°	2548.0	2529.6	2437.6	2319.6	2203.1	2073.6	1962.5	1865.2	1751.8	1653.7	1557.1
27.5°	2421.8	2461.5	2404.5	2278.8	2149.3	2010.5	1885.6	1774.8	1657.1	1546.7	1450.5
30°	2300.5	2391.6	2367.1	2250.6	2105.8	1969.4	1829.2	1713.5	1587.8	1474.4	1379.4
32.5°	2134.3	2285.0	2308.9	2211.4	2061.7	1911.8	1764.8	1649.7	1518.5	1399.0	1306.4
35°	1869.8	2095.1	2198.5	2136.5	1986.3	1824.6	1672.8	1538.7	1406.9	1288.9	1197.0
37.5°	1554.2	1861.1	2033.5	2037.9	1900.0	1731.9	1566.6	1433.5	1298.6	1182.7	1083.3
40°	1349.5	1682.0	1906.6	1956.4	1839.9	1658.3	1491.2	1355.6	1223.8	1110.4	996.2
42.5°	1165.6	1496.9	1772.9	1859.5	1767.0	1586.6	1418.9	1277.1	1149.0	1041.7	925.1
45°	942.6	1232.2	1536.4	1691.2	1639.9	1472.8	1295.8	1161.0	1040.6	947.9	836.0
47.5°	795.1	999.3	1293.7	1503.0	1502.1	1349.6	1175.5	1046.3	934.7	847.8	757.3
50°	711.1	888.9	1138.0	1375.5	1395.4	1267.5	1101.9	974.0	869.8	778.6	705.8
52.5°	635.7	782.2	1006.2	1233.9	1290.6	1179.8	1019.2	901.0	799.9	716.0	653.7
55°	537.2	650.6	820.7	1033.7	1119.6	1041.4	898.9	788.5	706.5	636.0	582.4
57.5°	454.4	539.5	676.0	847.5	947.5	898.3	780.7	691.1	620.9	557.1	514.8
60°	402.3	472.0	587.8	731.1	841.4	806.9	706.5	623.0	563.2	508.1	468.2
62.5°	353.3	413.2	512.4	628.7	729.8	715.6	633.6	563.5	511.1	460.9	427.1
65°	284.3	328.0	405.4	496.6	577.8	584.7	525.7	478.2	431.4	391.6	361.7
67.5°	226.4	254.9	309.4	386.2	447.1	468.8	432.8	396.5	359.4	328.6	302.7
70°	190.8	213.8	253.6	315.7	371.7	394.6	374.0	345.6	313.4	288.1	265.9
72.5°	154.6	177.0	206.4	252.0	299.9	324.8	317.6	297.2	271.1	250.1	229.1
75°	116.5	123.4	143.3	174.0	211.5	233.0	238.3	227.6	206.9	190.8	178.5
77.5°	86.1	90.3	99.8	115.9	140.4	159.5	167.4	166.1	151.9	142.5	131.0
80°	69.0	71.3	75.9	82.8	101.2	120.3	125.7	125.7	115.7	111.9	100.4
82.5°	52.4	54.1	56.9	60.7	69.3	86.0	92.0	93.2	86.9	81.8	72.8
85°	29.9	29.1	30.7	33.0	34.5	39.1	48.3	49.8	48.3	42.1	39.8
87.5°	12.8	13.1	12.9	12.0	12.2	12.5	15.2	17.9	15.8	14.3	13.5
90°	11.8	10.5	9.2	7.7	6.0	4.2	2.5	0.7	2.5	4.2	6.0
92.5°	15.3	14.7	14.1	13.8	14.0	14.1	14.3	14.4	14.3	14.1	14.0
95°	25.7	24.6	23.4	25.5	30.8	36.0	41.3	46.5	41.3	36.0	30.8
97.5°	32.2	29.6	27.0	33.1	47.9	62.7	77.5	92.3	77.5	62.7	47.9
100°	35.4	32.7	30.0	39.5	61.3	83.1	104.8	126.6	104.8	83.1	61.3
102.5°	87.1	109.7	132.3	145.9	150.6	155.2	159.8	164.4	159.8	155.2	150.6
105°	130.4	173.8	217.2	236.5	231.8	227.0	222.2	217.5	222.2	227.0	231.8
107.5°	165.2	217.2	269.3	293.4	289.5	285.7	281.8	278.0	281.8	285.7	289.5
110°	217.1	263.0	308.9	330.2	326.9	323.6	320.2	316.9	320.2	323.6	326.9



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CATALOG NUMBER: SA2XXRDIP-C1005D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	338.4	349.8	361.1	365.3	362.4	359.4	356.5	353.5	356.5	359.4	362.4
115°	433.4	429.4	425.5	422.1	419.4	416.7	414.0	411.3	414.0	416.7	419.4
117.5°	483.4	480.7	477.9	475.0	472.0	469.0	466.0	463.0	466.0	469.0	472.0
120°	518.6	515.8	512.9	510.3	507.9	505.5	503.1	500.7	503.1	505.5	507.9
122.5°	551.9	548.8	545.6	542.8	540.3	537.8	535.3	532.8	535.3	537.8	540.3
125°	598.4	595.4	592.4	589.8	587.8	585.7	583.6	581.6	583.6	585.7	587.8
127.5°	641.7	639.5	637.2	634.9	632.6	630.4	628.1	625.8	628.1	630.4	632.6
130°	669.6	667.9	666.1	664.0	661.4	658.9	656.4	653.8	656.4	658.9	661.4
132.5°	696.5	694.8	693.0	691.1	688.9	686.8	684.6	682.4	684.6	686.8	688.9
135°	734.6	733.2	731.8	729.8	727.3	724.7	722.2	719.6	722.2	724.7	727.3
137.5°	769.3	767.7	766.1	764.4	762.6	760.8	759.0	757.3	759.0	760.8	762.6
140°	792.0	790.2	788.5	786.9	785.7	784.4	783.1	781.9	783.1	784.4	785.7
142.5°	812.6	810.6	808.6	807.0	805.9	804.8	803.6	802.5	803.6	804.8	805.9
145°	840.8	838.1	835.4	834.2	834.3	834.5	834.6	834.8	834.6	834.5	834.3
147.5°	866.9	864.3	861.6	860.6	861.2	861.8	862.4	863.0	862.4	861.8	861.2
150°	882.6	880.1	877.6	876.8	878.0	879.1	880.2	881.3	880.2	879.1	878.0
152.5°	897.2	894.8	892.4	891.8	893.0	894.3	895.5	896.7	895.5	894.3	893.0
155°	917.5	915.6	913.7	913.5	914.9	916.3	917.8	919.2	917.8	916.3	914.9
157.5°	934.7	933.4	932.0	932.0	933.2	934.4	935.6	936.8	935.6	934.4	933.2
160°	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1	946.1	945.2	944.2
162.5°	954.0	953.2	952.4	952.4	953.4	954.4	955.3	956.3	955.3	954.4	953.4
165°	965.5	965.0	964.5	964.7	965.7	966.7	967.6	968.6	967.6	966.7	965.7
167.5°	974.5	974.1	973.6	973.9	974.9	975.8	976.8	977.7	976.8	975.8	974.9
170°	979.4	979.1	978.7	979.1	980.0	981.0	981.9	982.9	981.9	981.0	980.0
172.5°	982.8	982.5	982.2	982.5	983.4	984.4	985.3	986.3	985.3	984.4	983.4
175°	986.5	986.2	985.9	986.3	987.4	988.5	989.6	990.7	989.6	988.5	987.4
177.5°	987.8	987.6	987.5	987.9	988.8	989.7	990.6	991.5	990.6	989.7	988.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



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CATALOG NUMBER: SA2XXRDIP-C1005D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2174.2	2169.9	2161.9	2149.6	2142.3	2129.4	2120.8	2125.7	2127.0	2125.7	2124.5
5°	2115.8	2099.7	2077.5	2056.0	2036.1	2014.6	2002.4	1997.0	1986.3	1980.1	1977.1
7.5°	2045.1	2017.4	1986.0	1948.6	1916.8	1883.6	1866.6	1858.1	1836.2	1824.3	1813.8
10°	1992.4	1948.7	1917.3	1868.3	1838.4	1794.7	1764.8	1765.6	1735.7	1718.8	1706.6
12.5°	1934.2	1886.2	1833.9	1789.8	1748.3	1713.2	1677.1	1662.6	1630.9	1614.6	1581.5
15°	1837.6	1781.7	1726.5	1666.7	1624.6	1570.2	1518.1	1454.5	1403.1	1358.7	1346.4
17.5°	1732.2	1662.9	1607.6	1537.4	1465.2	1373.7	1313.3	1276.4	1245.4	1222.0	1204.5
20°	1659.8	1589.3	1530.3	1424.6	1327.2	1265.2	1220.7	1192.4	1160.2	1134.9	1121.1
22.5°	1583.8	1510.2	1429.8	1311.8	1235.9	1186.1	1146.5	1113.9	1092.1	1072.4	1059.8
25°	1475.9	1395.4	1262.9	1181.6	1120.3	1068.2	1040.6	1020.7	997.7	970.9	958.7
27.5°	1361.9	1233.9	1138.7	1078.3	1019.8	985.9	961.1	931.4	910.8	898.7	886.0
30°	1276.7	1148.7	1074.4	1008.5	967.1	929.5	900.4	883.6	863.6	842.9	834.5
32.5°	1181.6	1079.4	1008.2	953.3	911.3	879.3	856.3	829.0	814.6	801.9	784.2
35°	1063.6	986.2	921.1	876.7	836.8	810.8	783.9	767.8	741.8	731.1	724.2
37.5°	963.7	896.6	848.0	801.1	769.5	740.7	724.3	698.7	687.4	672.5	658.0
40°	907.3	841.4	794.7	756.3	721.1	699.6	678.9	658.3	641.4	634.5	616.9
42.5°	849.7	796.0	749.3	707.3	683.7	661.0	634.8	619.6	602.2	591.0	580.1
45°	770.1	722.6	682.8	648.3	622.2	598.5	581.6	556.3	546.4	524.2	515.0
47.5°	700.3	656.1	618.1	585.3	559.9	544.4	519.7	499.9	484.0	470.4	458.6
50°	650.6	613.8	577.0	547.9	524.9	502.7	477.4	467.4	442.9	436.0	429.1
52.5°	605.2	570.3	536.6	508.1	485.1	463.5	441.2	428.2	411.7	404.8	399.7
55°	541.8	508.1	475.9	450.6	427.6	405.4	391.6	375.5	367.8	362.5	356.3
57.5°	478.0	447.7	423.0	397.4	374.3	356.6	340.7	331.0	323.1	316.0	308.7
60°	437.6	408.4	386.2	362.5	338.7	324.1	311.9	300.4	291.2	280.5	277.4
62.5°	394.6	369.2	348.8	325.7	305.0	291.7	280.0	269.1	258.1	242.5	238.2
65°	335.6	315.7	294.3	275.1	256.7	243.7	226.8	214.6	210.0	208.4	207.7
67.5°	282.3	263.5	245.1	225.4	208.7	196.6	188.1	186.2	183.0	182.1	179.9
70°	246.8	229.1	210.7	192.3	176.3	174.0	170.9	167.8	164.0	162.5	160.9
72.5°	214.9	196.6	178.2	163.5	156.6	153.7	150.7	147.6	145.0	143.5	142.5
75°	164.8	147.9	135.6	130.3	126.4	124.1	119.5	117.2	115.7	113.4	112.6
77.5°	118.6	109.1	103.5	100.1	96.1	93.6	91.0	88.7	87.1	86.6	85.4
80°	90.4	85.8	82.0	77.4	75.9	72.8	72.0	69.7	70.5	68.2	68.2
82.5°	70.2	64.4	61.2	59.0	57.5	55.0	54.3	53.2	53.3	51.6	51.6
85°	36.0	34.5	33.0	31.4	31.4	29.1	29.9	29.1	29.1	27.6	26.8
87.5°	13.2	12.9	11.9	12.2	12.4	12.1	12.2	11.8	11.9	12.1	11.6
90°	7.7	9.2	10.5	11.8	13.0	14.3	15.1	15.9	16.7	17.5	18.0
92.5°	13.8	14.1	14.7	15.3	16.0	16.6	17.0	17.4	17.8	18.2	18.6
95°	25.5	23.4	24.6	25.7	26.8	27.9	28.7	29.5	30.3	31.1	31.4
97.5°	33.1	27.0	29.6	32.2	34.8	37.3	38.0	38.6	39.2	39.9	40.3
100°	39.5	30.0	32.7	35.4	38.1	40.8	42.0	43.3	44.6	45.9	46.7
102.5°	145.9	132.3	109.7	87.1	64.5	41.9	43.6	45.2	46.9	48.5	49.6
105°	236.5	217.2	173.8	130.4	87.0	43.6	45.4	47.1	48.9	50.6	51.8
107.5°	293.4	269.3	217.2	165.2	113.1	61.1	59.3	57.5	55.7	54.0	53.4
110°	330.2	308.9	263.0	217.1	171.1	125.2	109.3	93.4	77.5	61.6	54.0



TEST NUMBER: P331747

CATALOG NUMBER: SA2XXRDIP-C1005D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	365.3	361.1	349.8	338.4	327.1	315.7	257.8	199.8	141.8	83.8	55.0
115°	422.1	425.5	429.4	433.4	437.4	441.4	367.8	294.2	220.6	147.0	104.4
117.5°	475.0	477.9	480.7	483.4	486.1	488.9	471.1	453.3	435.4	417.6	389.9
120°	510.3	512.9	515.8	518.6	521.5	524.3	526.2	528.2	530.1	532.0	522.2
122.5°	542.8	545.6	548.8	551.9	555.0	558.1	559.2	560.4	561.5	562.7	561.2
125°	589.8	592.4	595.4	598.4	601.4	604.5	605.6	606.7	607.8	608.9	609.7
127.5°	634.9	637.2	639.5	641.7	644.0	646.2	647.9	649.5	651.1	652.7	653.6
130°	664.0	666.1	667.9	669.6	671.4	673.1	674.9	676.6	678.4	680.1	680.9
132.5°	691.1	693.0	694.8	696.5	698.3	700.0	701.5	703.0	704.5	706.0	706.7
135°	729.8	731.8	733.2	734.6	736.1	737.5	739.1	740.7	742.3	743.9	744.5
137.5°	764.4	766.1	767.7	769.3	770.9	772.6	774.1	775.7	777.2	778.8	779.3
140°	786.9	788.5	790.2	792.0	793.7	795.5	796.9	798.3	799.7	801.2	801.5
142.5°	807.0	808.6	810.6	812.6	814.6	816.6	817.9	819.2	820.5	821.8	822.1
145°	834.2	835.4	838.1	840.8	843.5	846.2	847.4	848.5	849.6	850.7	850.8
147.5°	860.6	861.6	864.3	866.9	869.6	872.3	873.1	873.9	874.8	875.6	875.7
150°	876.8	877.6	880.1	882.6	885.2	887.7	888.7	889.6	890.6	891.5	891.6
152.5°	891.8	892.4	894.8	897.2	899.6	902.0	903.0	903.9	904.9	905.9	905.8
155°	913.5	913.7	915.6	917.5	919.4	921.3	922.3	923.3	924.2	925.2	925.0
157.5°	932.0	932.0	933.4	934.7	936.0	937.4	938.5	939.5	940.6	941.7	941.6
160°	943.3	943.3	944.2	945.2	946.1	947.1	948.1	949.0	950.0	950.9	950.8
162.5°	952.4	952.4	953.2	954.0	954.9	955.7	956.8	957.8	958.9	960.0	959.9
165°	964.7	964.5	965.0	965.5	965.9	966.4	967.5	968.6	969.8	970.9	970.9
167.5°	973.9	973.6	974.1	974.5	975.0	975.4	976.5	977.7	978.8	979.9	979.7
170°	979.1	978.7	979.1	979.4	979.7	980.0	981.1	982.2	983.3	984.5	984.3
172.5°	982.5	982.2	982.5	982.8	983.1	983.4	984.6	985.7	986.8	987.9	987.7
175°	986.3	985.9	986.2	986.5	986.8	987.2	988.3	989.4	990.5	991.6	991.4
177.5°	987.9	987.5	987.6	987.8	987.9	988.0	988.9	989.8	990.7	991.6	991.5
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331747

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2117.8	2119.0	2117.2	2118.4	2117.2	2119.0	2117.8	2124.5	2125.7	2127.0	2125.7
5°	1973.2	1964.0	1962.5	1960.2	1962.5	1964.0	1973.2	1977.1	1980.1	1986.3	1997.0
7.5°	1800.7	1799.3	1795.5	1790.1	1795.5	1799.3	1800.7	1813.8	1824.3	1836.2	1858.1
10°	1689.7	1685.9	1685.1	1679.7	1685.1	1685.9	1689.7	1706.6	1718.8	1735.7	1765.6
12.5°	1559.7	1535.1	1532.5	1519.1	1532.5	1535.1	1559.7	1581.5	1614.6	1630.9	1662.6
15°	1328.0	1323.4	1308.1	1298.1	1308.1	1323.4	1328.0	1346.4	1358.7	1403.1	1454.5
17.5°	1195.6	1180.6	1175.8	1173.7	1175.8	1180.6	1195.6	1204.5	1222.0	1245.4	1276.4
20°	1110.4	1096.6	1094.3	1092.8	1094.3	1096.6	1110.4	1121.1	1134.9	1160.2	1192.4
22.5°	1051.5	1037.1	1031.1	1026.5	1031.1	1037.1	1051.5	1059.8	1072.4	1092.1	1113.9
25°	951.0	945.6	942.6	941.0	942.6	945.6	951.0	958.7	970.9	997.7	1020.7
27.5°	872.4	860.6	858.3	854.3	858.3	860.6	872.4	886.0	898.7	910.8	931.4
30°	827.6	823.8	818.4	813.8	818.4	823.8	827.6	834.5	842.9	863.6	883.6
32.5°	774.9	771.7	766.9	764.8	766.9	771.7	774.9	784.2	801.9	814.6	829.0
35°	716.5	705.8	701.2	694.3	701.2	705.8	716.5	724.2	731.1	741.8	767.8
37.5°	654.7	649.1	642.6	644.9	642.6	649.1	654.7	658.0	672.5	687.4	698.7
40°	606.9	603.1	601.6	600.8	601.6	603.1	606.9	616.9	634.5	641.4	658.3
42.5°	568.9	558.3	554.3	554.2	554.3	558.3	568.9	580.1	591.0	602.2	619.6
45°	511.1	501.2	494.3	495.0	494.3	501.2	511.1	515.0	524.2	546.4	556.3
47.5°	452.0	451.7	447.4	448.7	447.4	451.7	452.0	458.6	470.4	484.0	499.9
50°	423.8	419.2	416.1	416.9	416.1	419.2	423.8	429.1	436.0	442.9	467.4
52.5°	396.8	392.8	390.4	393.6	390.4	392.8	396.8	399.7	404.8	411.7	428.2
55°	352.5	347.9	347.1	346.4	347.1	347.9	352.5	356.3	362.5	367.8	375.5
57.5°	303.0	299.9	295.3	293.3	295.3	299.9	303.0	308.7	316.0	323.1	331.0
60°	267.4	261.3	253.6	252.9	253.6	261.3	267.4	277.4	280.5	291.2	300.4
62.5°	234.9	233.7	232.2	232.0	232.2	233.7	234.9	238.2	242.5	258.1	269.1
65°	206.1	205.4	206.1	206.9	206.1	205.4	206.1	207.7	208.4	210.0	214.6
67.5°	179.6	178.2	176.9	177.5	176.9	178.2	179.6	179.9	182.1	183.0	186.2
70°	159.4	158.6	157.9	157.9	157.9	158.6	159.4	160.9	162.5	164.0	167.8
72.5°	139.8	139.6	138.9	138.2	138.9	139.6	139.8	142.5	143.5	145.0	147.6
75°	111.9	110.3	110.3	110.3	110.3	110.3	111.9	112.6	113.4	115.7	117.2
77.5°	85.2	84.4	83.7	83.1	83.7	84.4	85.2	85.4	86.6	87.1	88.7
80°	67.4	66.7	65.9	65.9	65.9	66.7	67.4	68.2	68.2	70.5	69.7
82.5°	51.5	50.7	50.6	50.0	50.6	50.7	51.5	51.6	51.6	53.3	53.2
85°	27.6	28.4	27.6	29.1	27.6	28.4	27.6	26.8	27.6	29.1	29.1
87.5°	11.6	11.1	11.8	11.2	11.8	11.1	11.6	11.6	12.1	11.9	11.8
90°	18.4	18.7	19.0	19.3	19.0	18.7	18.4	18.0	17.5	16.7	15.9
92.5°	18.7	18.9	19.1	19.3	19.1	18.9	18.7	18.6	18.2	17.8	17.4
95°	31.2	31.1	30.9	30.8	30.9	31.1	31.2	31.4	31.1	30.3	29.5
97.5°	40.5	40.7	40.9	41.1	40.9	40.7	40.5	40.3	39.9	39.2	38.6
100°	47.0	47.3	47.6	47.9	47.6	47.3	47.0	46.7	45.9	44.6	43.3
102.5°	50.0	50.5	50.9	51.4	50.9	50.5	50.0	49.6	48.5	46.9	45.2
105°	52.5	53.1	53.7	54.4	53.7	53.1	52.5	51.8	50.6	48.9	47.1
107.5°	54.0	54.7	55.3	55.9	55.3	54.7	54.0	53.4	54.0	55.7	57.5
110°	54.6	55.2	55.9	56.5	55.9	55.2	54.6	54.0	61.6	77.5	93.4



TEST NUMBER: P331747

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	55.6	56.1	56.6	57.1	56.6	56.1	55.6	55.0	83.8	141.8	199.8
115°	93.0	81.5	70.1	58.7	70.1	81.5	93.0	104.4	147.0	220.6	294.2
117.5°	352.3	314.7	277.1	239.5	277.1	314.7	352.3	389.9	417.6	435.4	453.3
120°	500.7	479.3	457.8	436.4	457.8	479.3	500.7	522.2	532.0	530.1	528.2
122.5°	557.0	552.8	548.7	544.5	548.7	552.8	557.0	561.2	562.7	561.5	560.4
125°	610.2	610.7	611.1	611.6	611.1	610.7	610.2	609.7	608.9	607.8	606.7
127.5°	653.7	653.8	653.9	654.0	653.9	653.8	653.7	653.6	652.7	651.1	649.5
130°	680.8	680.6	680.4	680.3	680.4	680.6	680.8	680.9	680.1	678.4	676.6
132.5°	706.5	706.4	706.2	706.0	706.2	706.4	706.5	706.7	706.0	704.5	703.0
135°	744.2	743.9	743.5	743.2	743.5	743.9	744.2	744.5	743.9	742.3	740.7
137.5°	778.8	778.2	777.7	777.1	777.7	778.2	778.8	779.3	778.8	777.2	775.7
140°	800.7	799.9	799.1	798.3	799.1	799.9	800.7	801.5	801.2	799.7	798.3
142.5°	821.3	820.5	819.7	818.9	819.7	820.5	821.3	822.1	821.8	820.5	819.2
145°	850.1	849.3	848.5	847.7	848.5	849.3	850.1	850.8	850.7	849.6	848.5
147.5°	875.0	874.3	873.7	873.0	873.7	874.3	875.0	875.7	875.6	874.8	873.9
150°	890.8	890.0	889.2	888.4	889.2	890.0	890.8	891.6	891.5	890.6	889.6
152.5°	904.8	903.7	902.7	901.6	902.7	903.7	904.8	905.8	905.9	904.9	903.9
155°	923.7	922.5	921.2	919.9	921.2	922.5	923.7	925.0	925.2	924.2	923.3
157.5°	940.4	939.1	937.9	936.7	937.9	939.1	940.4	941.6	941.7	940.6	939.5
160°	949.7	948.6	947.5	946.4	947.5	948.6	949.7	950.8	950.9	950.0	949.0
162.5°	958.5	957.1	955.8	954.4	955.8	957.1	958.5	959.9	960.0	958.9	957.8
165°	969.8	968.6	967.5	966.4	967.5	968.6	969.8	970.9	970.9	969.8	968.6
167.5°	978.3	976.9	975.4	974.0	975.4	976.9	978.3	979.7	979.9	978.8	977.7
170°	982.9	981.4	980.0	978.6	980.0	981.4	982.9	984.3	984.5	983.3	982.2
172.5°	986.3	984.9	983.4	982.0	983.4	984.9	986.3	987.7	987.9	986.8	985.7
175°	989.8	988.2	986.6	985.0	986.6	988.2	989.8	991.4	991.6	990.5	989.4
177.5°	990.3	989.2	988.0	986.9	988.0	989.2	990.3	991.5	991.6	990.7	989.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331747

CATALOG NUMBER: SA2XXRDIP-C1005D725U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2120.8	2129.4	2142.3	2149.6	2161.9	2169.9	2174.2	2182.1	2186.4	2201.8	2217.7
5°	2002.4	2014.6	2036.1	2056.0	2077.5	2099.7	2115.8	2134.2	2151.0	2180.1	2210.8
7.5°	1866.6	1883.6	1916.8	1948.6	1986.0	2017.4	2045.1	2076.5	2104.6	2146.3	2189.8
10°	1764.8	1794.7	1838.4	1868.3	1917.3	1948.7	1992.4	2026.9	2066.0	2121.1	2170.2
12.5°	1677.1	1713.2	1748.3	1789.8	1833.9	1886.2	1934.2	1978.5	2024.9	2081.9	2139.5
15°	1518.1	1570.2	1624.6	1666.7	1726.5	1781.7	1837.6	1897.4	1954.1	2022.3	2097.4
17.5°	1313.3	1373.7	1465.2	1537.4	1607.6	1662.9	1732.2	1804.5	1871.3	1953.6	2037.2
20°	1220.7	1265.2	1327.2	1424.6	1530.3	1589.3	1659.8	1739.5	1816.1	1905.8	1995.5
22.5°	1146.5	1186.1	1235.9	1311.8	1429.8	1510.2	1583.8	1664.7	1753.6	1845.1	1944.6
25°	1040.6	1068.2	1120.3	1181.6	1262.9	1395.4	1475.9	1557.1	1653.7	1751.8	1865.2
27.5°	961.1	985.9	1019.8	1078.3	1138.7	1233.9	1361.9	1450.5	1546.7	1657.1	1774.8
30°	900.4	929.5	967.1	1008.5	1074.4	1148.7	1276.7	1379.4	1474.4	1587.8	1713.5
32.5°	856.3	879.3	911.3	953.3	1008.2	1079.4	1181.6	1306.4	1399.0	1518.5	1649.7
35°	783.9	810.8	836.8	876.7	921.1	986.2	1063.6	1197.0	1288.9	1406.9	1538.7
37.5°	724.3	740.7	769.5	801.1	848.0	896.6	963.7	1083.3	1182.7	1298.6	1433.5
40°	678.9	699.6	721.1	756.3	794.7	841.4	907.3	996.2	1110.4	1223.8	1355.6
42.5°	634.8	661.0	683.7	707.3	749.3	796.0	849.7	925.1	1041.7	1149.0	1277.1
45°	581.6	598.5	622.2	648.3	682.8	722.6	770.1	836.0	947.9	1040.6	1161.0
47.5°	519.7	544.4	559.9	585.3	618.1	656.1	700.3	757.3	847.8	934.7	1046.3
50°	477.4	502.7	524.9	547.9	577.0	613.8	650.6	705.8	778.6	869.8	974.0
52.5°	441.2	463.5	485.1	508.1	536.6	570.3	605.2	653.7	716.0	799.9	901.0
55°	391.6	405.4	427.6	450.6	475.9	508.1	541.8	582.4	636.0	706.5	788.5
57.5°	340.7	356.6	374.3	397.4	423.0	447.7	478.0	514.8	557.1	620.9	691.1
60°	311.9	324.1	338.7	362.5	386.2	408.4	437.6	468.2	508.1	563.2	623.0
62.5°	280.0	291.7	305.0	325.7	348.8	369.2	394.6	427.1	460.9	511.1	563.5
65°	226.8	243.7	256.7	275.1	294.3	315.7	335.6	361.7	391.6	431.4	478.2
67.5°	188.1	196.6	208.7	225.4	245.1	263.5	282.3	302.7	328.6	359.4	396.5
70°	170.9	174.0	176.3	192.3	210.7	229.1	246.8	265.9	288.1	313.4	345.6
72.5°	150.7	153.7	156.6	163.5	178.2	196.6	214.9	229.1	250.1	271.1	297.2
75°	119.5	124.1	126.4	130.3	135.6	147.9	164.8	178.5	190.8	206.9	227.6
77.5°	91.0	93.6	96.1	100.1	103.5	109.1	118.6	131.0	142.5	151.9	166.1
80°	72.0	72.8	75.9	77.4	82.0	85.8	90.4	100.4	111.9	115.7	125.7
82.5°	54.3	55.0	57.5	59.0	61.2	64.4	70.2	72.8	81.8	86.9	93.2
85°	29.9	29.1	31.4	31.4	33.0	34.5	36.0	39.8	42.1	48.3	49.8
87.5°	12.2	12.1	12.4	12.2	11.9	12.9	13.2	13.5	14.3	15.8	17.9
90°	15.1	14.3	13.0	11.8	10.5	9.2	7.7	6.0	4.2	2.5	0.7
92.5°	17.0	16.6	16.0	15.3	14.7	14.1	13.8	14.0	14.1	14.3	14.4
95°	28.7	27.9	26.8	25.7	24.6	23.4	25.5	30.8	36.0	41.3	46.5
97.5°	38.0	37.3	34.8	32.2	29.6	27.0	33.1	47.9	62.7	77.5	92.3
100°	42.0	40.8	38.1	35.4	32.7	30.0	39.5	61.3	83.1	104.8	126.6
102.5°	43.6	41.9	64.5	87.1	109.7	132.3	145.9	150.6	155.2	159.8	164.4
105°	45.4	43.6	87.0	130.4	173.8	217.2	236.5	231.8	227.0	222.2	217.5
107.5°	59.3	61.1	113.1	165.2	217.2	269.3	293.4	289.5	285.7	281.8	278.0
110°	109.3	125.2	171.1	217.1	263.0	308.9	330.2	326.9	323.6	320.2	316.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	257.8	315.7	327.1	338.4	349.8	361.1	365.3	362.4	359.4	356.5	353.5
115°	367.8	441.4	437.4	433.4	429.4	425.5	422.1	419.4	416.7	414.0	411.3
117.5°	471.1	488.9	486.1	483.4	480.7	477.9	475.0	472.0	469.0	466.0	463.0
120°	526.2	524.3	521.5	518.6	515.8	512.9	510.3	507.9	505.5	503.1	500.7
122.5°	559.2	558.1	555.0	551.9	548.8	545.6	542.8	540.3	537.8	535.3	532.8
125°	605.6	604.5	601.4	598.4	595.4	592.4	589.8	587.8	585.7	583.6	581.6
127.5°	647.9	646.2	644.0	641.7	639.5	637.2	634.9	632.6	630.4	628.1	625.8
130°	674.9	673.1	671.4	669.6	667.9	666.1	664.0	661.4	658.9	656.4	653.8
132.5°	701.5	700.0	698.3	696.5	694.8	693.0	691.1	688.9	686.8	684.6	682.4
135°	739.1	737.5	736.1	734.6	733.2	731.8	729.8	727.3	724.7	722.2	719.6
137.5°	774.1	772.6	770.9	769.3	767.7	766.1	764.4	762.6	760.8	759.0	757.3
140°	796.9	795.5	793.7	792.0	790.2	788.5	786.9	785.7	784.4	783.1	781.9
142.5°	817.9	816.6	814.6	812.6	810.6	808.6	807.0	805.9	804.8	803.6	802.5
145°	847.4	846.2	843.5	840.8	838.1	835.4	834.2	834.3	834.5	834.6	834.8
147.5°	873.1	872.3	869.6	866.9	864.3	861.6	860.6	861.2	861.8	862.4	863.0
150°	888.7	887.7	885.2	882.6	880.1	877.6	876.8	878.0	879.1	880.2	881.3
152.5°	903.0	902.0	899.6	897.2	894.8	892.4	891.8	893.0	894.3	895.5	896.7
155°	922.3	921.3	919.4	917.5	915.6	913.7	913.5	914.9	916.3	917.8	919.2
157.5°	938.5	937.4	936.0	934.7	933.4	932.0	932.0	933.2	934.4	935.6	936.8
160°	948.1	947.1	946.1	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1
162.5°	956.8	955.7	954.9	954.0	953.2	952.4	952.4	953.4	954.4	955.3	956.3
165°	967.5	966.4	965.9	965.5	965.0	964.5	964.7	965.7	966.7	967.6	968.6
167.5°	976.5	975.4	975.0	974.5	974.1	973.6	973.9	974.9	975.8	976.8	977.7
170°	981.1	980.0	979.7	979.4	979.1	978.7	979.1	980.0	981.0	981.9	982.9
172.5°	984.6	983.4	983.1	982.8	982.5	982.2	982.5	983.4	984.4	985.3	986.3
175°	988.3	987.2	986.8	986.5	986.2	985.9	986.3	987.4	988.5	989.6	990.7
177.5°	988.9	988.0	987.9	987.8	987.6	987.5	987.9	988.8	989.7	990.6	991.5
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



TEST NUMBER: P331747

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2218.3	2220.1	2232.4	2237.9	2249.0	2253.2	2258.2	2256.9	2256.9	2259.4	2276.5
5°	2223.1	2238.4	2261.4	2283.6	2305.1	2323.4	2335.7	2348.0	2352.6	2374.8	2394.7
7.5°	2215.1	2243.3	2281.3	2315.2	2355.8	2387.5	2413.9	2437.6	2453.9	2486.2	2519.3
10°	2204.7	2244.5	2287.4	2331.1	2387.0	2429.2	2472.1	2505.1	2515.8	2564.1	2591.7
12.5°	2183.8	2237.2	2291.7	2348.3	2403.0	2461.1	2508.3	2541.2	2578.9	2622.3	2673.2
15°	2152.6	2213.9	2285.1	2357.9	2436.1	2506.6	2557.2	2614.6	2656.0	2703.5	2748.0
17.5°	2107.7	2186.6	2277.2	2361.5	2451.9	2527.6	2597.2	2652.3	2681.5	2708.6	2715.2
20°	2072.1	2157.2	2263.7	2363.3	2453.7	2541.1	2610.0	2656.0	2663.7	2664.4	2623.8
22.5°	2033.5	2129.6	2241.0	2343.1	2451.3	2548.4	2602.1	2621.7	2591.3	2539.4	2460.8
25°	1962.5	2073.6	2203.1	2319.6	2437.6	2529.6	2548.0	2513.5	2407.0	2295.1	2153.3
27.5°	1885.6	2010.5	2149.3	2278.8	2404.5	2461.5	2421.8	2297.5	2105.7	1938.9	1736.8
30°	1829.2	1969.4	2105.8	2250.6	2367.1	2391.6	2300.5	2117.3	1893.5	1642.2	1440.7
32.5°	1764.8	1911.8	2061.7	2211.4	2308.9	2285.0	2134.3	1908.9	1646.5	1399.4	1208.9
35°	1672.8	1824.6	1986.3	2136.5	2198.5	2095.1	1869.8	1576.3	1308.1	1077.4	946.4
37.5°	1566.6	1731.9	1900.0	2037.9	2033.5	1861.1	1554.2	1251.2	1025.8	889.4	796.0
40°	1491.2	1658.3	1839.9	1956.4	1906.6	1682.0	1349.5	1063.6	898.9	790.1	721.9
42.5°	1418.9	1586.6	1767.0	1859.5	1772.9	1496.9	1165.6	941.6	805.7	720.8	665.5
45°	1295.8	1472.8	1639.9	1691.2	1536.4	1232.2	942.6	780.1	689.7	626.8	588.5
47.5°	1175.5	1349.6	1502.1	1503.0	1293.7	999.3	795.1	675.1	597.9	549.3	521.4
50°	1101.9	1267.5	1395.4	1375.5	1138.0	888.9	711.1	607.7	543.3	505.8	476.6
52.5°	1019.2	1179.8	1290.6	1233.9	1006.2	782.2	635.7	548.8	495.5	462.8	436.8
55°	898.9	1041.4	1119.6	1033.7	820.7	650.6	537.2	469.0	429.1	401.5	379.3
57.5°	780.7	898.3	947.5	847.5	676.0	539.5	454.4	403.2	363.7	343.9	332.4
60°	706.5	806.9	841.4	731.1	587.8	472.0	402.3	354.8	325.7	312.7	301.2
62.5°	633.6	715.6	729.8	628.7	512.4	413.2	353.3	313.1	293.8	281.4	270.5
65°	525.7	584.7	577.8	496.6	405.4	328.0	284.3	259.8	245.2	227.6	208.4
67.5°	432.8	468.8	447.1	386.2	309.4	254.9	226.4	207.8	189.7	173.0	168.6
70°	374.0	394.6	371.7	315.7	253.6	213.8	190.8	168.6	157.9	154.0	147.1
72.5°	317.6	324.8	299.9	252.0	206.4	177.0	154.6	142.2	136.4	133.2	128.7
75°	238.3	233.0	211.5	174.0	143.3	123.4	116.5	111.9	108.0	105.0	102.7
77.5°	167.4	159.5	140.4	115.9	99.8	90.3	86.1	83.7	81.8	80.3	78.0
80°	125.7	120.3	101.2	82.8	75.9	71.3	69.0	65.9	65.9	64.4	62.1
82.5°	92.0	86.0	69.3	60.7	56.9	54.1	52.4	50.6	50.0	50.3	48.6
85°	48.3	39.1	34.5	33.0	30.7	29.1	29.9	28.4	28.4	28.4	27.6
87.5°	15.2	12.5	12.2	12.0	12.9	13.1	12.8	13.0	13.9	13.4	14.2
90°	2.5	4.2	6.0	7.7	9.2	10.5	11.8	13.0	14.3	15.1	15.9
92.5°	14.3	14.1	14.0	13.8	14.1	14.7	15.3	16.0	16.6	17.0	17.4
95°	41.3	36.0	30.8	25.5	23.4	24.6	25.7	26.8	27.9	28.7	29.5
97.5°	77.5	62.7	47.9	33.1	27.0	29.6	32.2	34.8	37.3	38.0	38.6
100°	104.8	83.1	61.3	39.5	30.0	32.7	35.4	38.1	40.8	42.0	43.3
102.5°	159.8	155.2	150.6	145.9	132.3	109.7	87.1	64.5	41.9	43.6	45.2
105°	222.2	227.0	231.8	236.5	217.2	173.8	130.4	87.0	43.6	45.4	47.1
107.5°	281.8	285.7	289.5	293.4	269.3	217.2	165.2	113.1	61.1	59.3	57.5
110°	320.2	323.6	326.9	330.2	308.9	263.0	217.1	171.1	125.2	109.3	93.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	356.5	359.4	362.4	365.3	361.1	349.8	338.4	327.1	315.7	257.8	199.8
115°	414.0	416.7	419.4	422.1	425.5	429.4	433.4	437.4	441.4	367.8	294.2
117.5°	466.0	469.0	472.0	475.0	477.9	480.7	483.4	486.1	488.9	471.1	453.3
120°	503.1	505.5	507.9	510.3	512.9	515.8	518.6	521.5	524.3	526.2	528.2
122.5°	535.3	537.8	540.3	542.8	545.6	548.8	551.9	555.0	558.1	559.2	560.4
125°	583.6	585.7	587.8	589.8	592.4	595.4	598.4	601.4	604.5	605.6	606.7
127.5°	628.1	630.4	632.6	634.9	637.2	639.5	641.7	644.0	646.2	647.9	649.5
130°	656.4	658.9	661.4	664.0	666.1	667.9	669.6	671.4	673.1	674.9	676.6
132.5°	684.6	686.8	688.9	691.1	693.0	694.8	696.5	698.3	700.0	701.5	703.0
135°	722.2	724.7	727.3	729.8	731.8	733.2	734.6	736.1	737.5	739.1	740.7
137.5°	759.0	760.8	762.6	764.4	766.1	767.7	769.3	770.9	772.6	774.1	775.7
140°	783.1	784.4	785.7	786.9	788.5	790.2	792.0	793.7	795.5	796.9	798.3
142.5°	803.6	804.8	805.9	807.0	808.6	810.6	812.6	814.6	816.6	817.9	819.2
145°	834.6	834.5	834.3	834.2	835.4	838.1	840.8	843.5	846.2	847.4	848.5
147.5°	862.4	861.8	861.2	860.6	861.6	864.3	866.9	869.6	872.3	873.1	873.9
150°	880.2	879.1	878.0	876.8	877.6	880.1	882.6	885.2	887.7	888.7	889.6
152.5°	895.5	894.3	893.0	891.8	892.4	894.8	897.2	899.6	902.0	903.0	903.9
155°	917.8	916.3	914.9	913.5	913.7	915.6	917.5	919.4	921.3	922.3	923.3
157.5°	935.6	934.4	933.2	932.0	932.0	933.4	934.7	936.0	937.4	938.5	939.5
160°	946.1	945.2	944.2	943.3	943.3	944.2	945.2	946.1	947.1	948.1	949.0
162.5°	955.3	954.4	953.4	952.4	952.4	953.2	954.0	954.9	955.7	956.8	957.8
165°	967.6	966.7	965.7	964.7	964.5	965.0	965.5	965.9	966.4	967.5	968.6
167.5°	976.8	975.8	974.9	973.9	973.6	974.1	974.5	975.0	975.4	976.5	977.7
170°	981.9	981.0	980.0	979.1	978.7	979.1	979.4	979.7	980.0	981.1	982.2
172.5°	985.3	984.4	983.4	982.5	982.2	982.5	982.8	983.1	983.4	984.6	985.7
175°	989.6	988.5	987.4	986.3	985.9	986.2	986.5	986.8	987.2	988.3	989.4
177.5°	990.6	989.7	988.8	987.9	987.5	987.6	987.8	987.9	988.0	988.9	989.8
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6	988.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4	2205.4
2.5°	2282.7	2290.6	2294.3	2294.3	2298.6	2296.8	2294.9
5°	2413.9	2428.4	2431.5	2445.3	2455.2	2452.2	2453.7
7.5°	2544.3	2567.7	2590.9	2601.5	2603.1	2609.3	2611.6
10°	2624.6	2643.8	2679.8	2674.4	2701.2	2716.6	2691.3
12.5°	2701.8	2727.7	2752.7	2759.6	2774.8	2779.7	2769.7
15°	2771.7	2785.5	2787.1	2783.2	2787.8	2784.0	2769.4
17.5°	2706.4	2684.1	2638.7	2617.2	2600.2	2575.1	2565.0
20°	2598.5	2532.6	2456.0	2425.4	2389.3	2318.8	2335.7
22.5°	2365.6	2290.5	2213.9	2124.4	2081.6	2014.8	2010.8
25°	2003.1	1873.6	1731.1	1631.5	1573.2	1506.6	1477.4
27.5°	1557.4	1394.4	1277.6	1218.4	1164.6	1111.8	1109.6
30°	1264.4	1141.8	1051.4	1000.8	967.8	945.6	950.2
32.5°	1065.8	981.8	920.8	878.8	854.4	837.7	837.4
35°	871.3	813.8	774.7	757.1	739.5	727.2	728.0
37.5°	745.6	711.1	689.4	669.9	658.9	652.9	649.5
40°	681.2	652.9	636.0	624.5	615.3	606.9	605.4
42.5°	630.4	606.9	590.1	581.0	572.4	566.5	564.9
45°	559.4	540.2	524.9	515.0	511.1	505.8	505.8
47.5°	497.6	478.8	466.8	460.6	454.0	450.4	450.3
50°	456.0	441.4	430.7	426.8	421.5	419.2	418.4
52.5°	418.6	407.7	400.0	397.4	395.1	392.2	392.7
55°	367.8	361.7	358.6	356.3	352.5	347.9	351.0
57.5°	325.1	319.9	311.6	304.4	300.9	297.6	298.9
60°	295.0	284.3	273.6	265.1	262.8	255.9	255.9
62.5°	257.0	242.0	228.8	224.1	221.8	218.6	217.9
65°	197.7	191.6	188.5	185.4	183.9	183.9	182.4
67.5°	163.8	161.4	158.0	157.2	155.7	155.3	154.8
70°	144.8	141.8	140.2	139.5	137.9	138.7	136.4
72.5°	126.4	124.0	123.7	121.7	120.8	120.9	119.2
75°	99.6	99.6	98.9	98.1	96.6	95.8	96.6
77.5°	76.6	76.8	75.4	75.3	75.1	75.3	74.5
80°	61.3	62.1	61.3	60.5	59.8	60.5	59.8
82.5°	48.4	47.4	47.2	47.1	46.9	46.4	46.3
85°	27.6	28.4	27.6	26.8	26.8	26.8	27.6
87.5°	13.8	13.9	14.0	14.1	14.2	14.2	13.7
90°	16.7	17.5	18.0	18.4	18.7	19.0	19.3
92.5°	17.8	18.2	18.6	18.7	18.9	19.1	19.3
95°	30.3	31.1	31.4	31.2	31.1	30.9	30.8
97.5°	39.2	39.9	40.3	40.5	40.7	40.9	41.1
100°	44.6	45.9	46.7	47.0	47.3	47.6	47.9
102.5°	46.9	48.5	49.6	50.0	50.5	50.9	51.4
105°	48.9	50.6	51.8	52.5	53.1	53.7	54.4
107.5°	55.7	54.0	53.4	54.0	54.7	55.3	55.9
110°	77.5	61.6	54.0	54.6	55.2	55.9	56.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	141.8	83.8	55.0	55.6	56.1	56.6	57.1
115°	220.6	147.0	104.4	93.0	81.5	70.1	58.7
117.5°	435.4	417.6	389.9	352.3	314.7	277.1	239.5
120°	530.1	532.0	522.2	500.7	479.3	457.8	436.4
122.5°	561.5	562.7	561.2	557.0	552.8	548.7	544.5
125°	607.8	608.9	609.7	610.2	610.7	611.1	611.6
127.5°	651.1	652.7	653.6	653.7	653.8	653.9	654.0
130°	678.4	680.1	680.9	680.8	680.6	680.4	680.3
132.5°	704.5	706.0	706.7	706.5	706.4	706.2	706.0
135°	742.3	743.9	744.5	744.2	743.9	743.5	743.2
137.5°	777.2	778.8	779.3	778.8	778.2	777.7	777.1
140°	799.7	801.2	801.5	800.7	799.9	799.1	798.3
142.5°	820.5	821.8	822.1	821.3	820.5	819.7	818.9
145°	849.6	850.7	850.8	850.1	849.3	848.5	847.7
147.5°	874.8	875.6	875.7	875.0	874.3	873.7	873.0
150°	890.6	891.5	891.6	890.8	890.0	889.2	888.4
152.5°	904.9	905.9	905.8	904.8	903.7	902.7	901.6
155°	924.2	925.2	925.0	923.7	922.5	921.2	919.9
157.5°	940.6	941.7	941.6	940.4	939.1	937.9	936.7
160°	950.0	950.9	950.8	949.7	948.6	947.5	946.4
162.5°	958.9	960.0	959.9	958.5	957.1	955.8	954.4
165°	969.8	970.9	970.9	969.8	968.6	967.5	966.4
167.5°	978.8	979.9	979.7	978.3	976.9	975.4	974.0
170°	983.3	984.5	984.3	982.9	981.4	980.0	978.6
172.5°	986.8	987.9	987.7	986.3	984.9	983.4	982.0
175°	990.5	991.6	991.4	989.8	988.2	986.6	985.0
177.5°	990.7	991.6	991.5	990.3	989.2	988.0	986.9
180°	988.6	988.6	988.6	988.6	988.6	988.6	988.6

(END OF REPORT)