

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: P332187

Luminaire Tested: **S123DIW-S1000D755U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332187  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIW-S1000D755U835-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 755 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

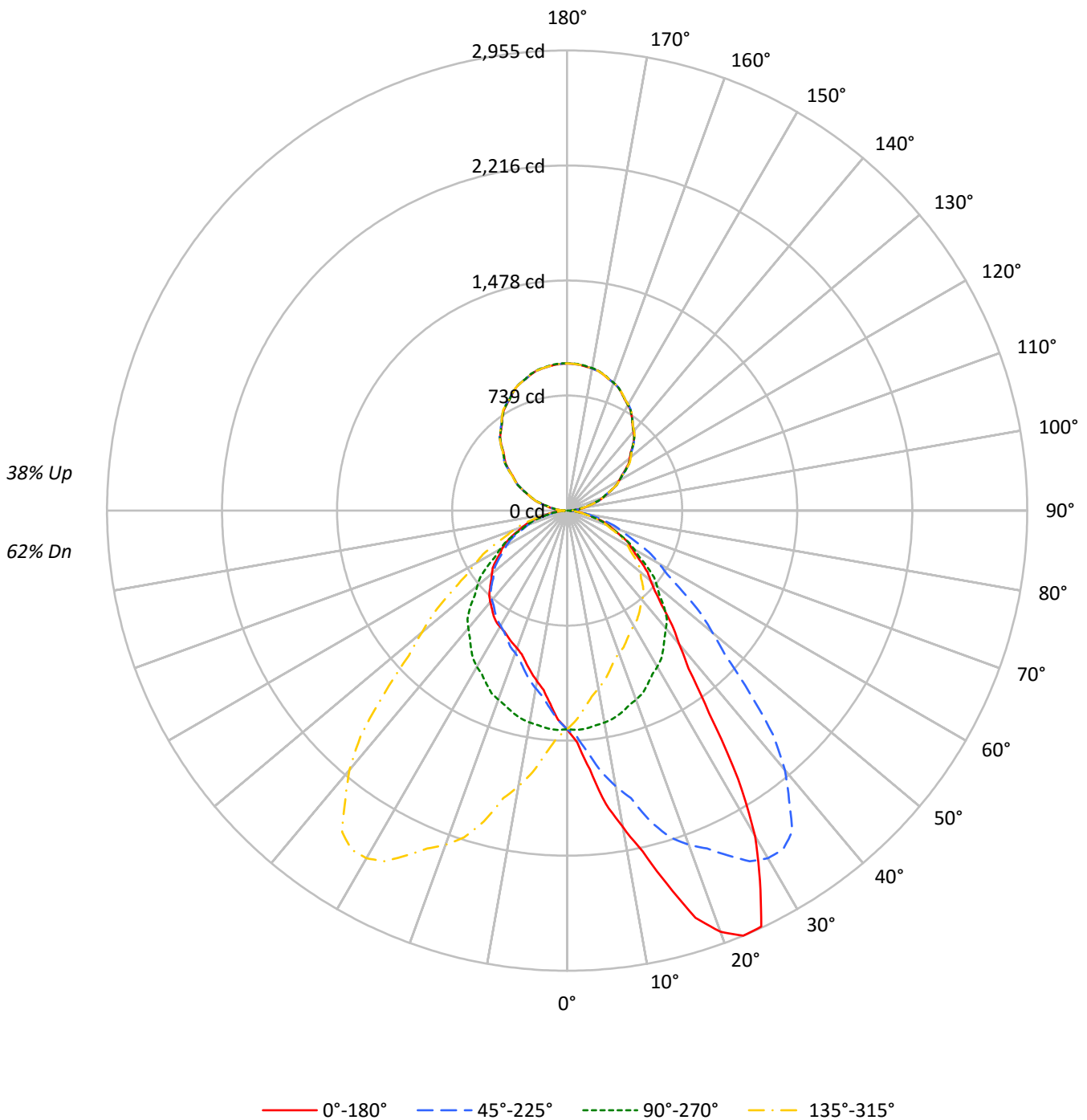
Lumens per Lamp: N/A  
Luminaire Lumens: 6859.9 lumens  
Efficiency: N/A  
Efficacy: 128.0 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 53.6  
Input Voltage (V): 120  
Input Current (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	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	97	93	89	94	91	87	84	79	77	75	69	67	66	60	58	57	53
2	92	85	79	73	86	80	74	70	70	66	62	61	58	55	53	51	49	45
3	84	75	67	62	79	70	64	59	62	57	53	54	50	47	47	44	42	38
4	77	66	58	52	72	63	55	50	55	50	45	49	44	41	42	39	36	33
5	71	59	51	45	66	56	49	43	50	44	39	44	39	35	38	35	32	29
6	65	53	45	39	61	50	43	38	45	39	34	40	35	31	35	31	28	25
7	61	48	40	35	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	31	26	22	28	23	20	25	21	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	15118	15118	15118	15118
5°	18029	15183	13456	15183
10°	22566	15106	12153	15106
15°	27679	14985	11314	14985
20°	32972	14795	10772	14795
25°	35011	14563	10652	14563
30°	30009	14395	10708	14395
35°	20871	14155	10820	14155
40°	15719	13874	10786	13874
45°	13052	13457	10648	13457
50°	11692	12603	10551	12603
55°	10931	11684	10421	11684
60°	10254	10723	10314	10723
65°	9638	9775	9984	9775
70°	9039	8696	9508	8696
75°	8093	7615	8717	7615
80°	7085	6242	7507	6242
85°	5545	4533	5039	4533



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.4	2.0
10°-20°	443.6	6.5
20°-30°	744.6	10.9
30°-40°	843.1	12.3
40°-50°	756.1	11.0
50°-60°	610.1	8.9
60°-70°	425.2	6.2
70°-80°	223.5	3.3
80°-90°	57.4	0.8
90°-100°	61.6	0.9
100°-110°	184.2	2.7
110°-120°	313.4	4.6
120°-130°	412.2	6.0
130°-140°	463.3	6.8
140°-150°	455.4	6.6
150°-160°	383.4	5.6
160°-170°	255.2	3.7
170°-180°	89.4	1.3
0°-30°	1326.6	19.3
0°-40°	2169.7	31.6
0°-60°	3535.9	51.5
0°-90°	4242.0	61.8
90°-120°	559.2	8.2
90°-150°	1890.0	27.6
90°-180°	2618.0	38.2
0°-180°	6859.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1404	1404	1404	1404	1404	
5°	1669	1405	1245	1405	1669	173
15°	2484	1345	1015	1345	2484	717
25°	2948	1226	897	1226	2948	1293
35°	1588	1077	823	1077	1588	1032
45°	857	884	700	884	857	678
55°	582	623	555	623	582	523
65°	378	384	392	384	378	377
75°	195	183	210	183	195	208
85°	45	37	41	37	45	54
90°	22	1	22	1	22	13
95°	58	44	58	44	58	59
105°	177	167	177	167	177	187
115°	316	316	316	316	316	313
125°	456	462	456	462	456	408
135°	598	599	598	599	598	460
145°	727	727	727	727	727	454
155°	831	832	831	832	831	382
165°	903	906	903	906	903	255
175°	939	943	939	943	939	89
180°	945	945	945	945	945	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1490.5	1489.5	1486.7	1488.9	1484.6	1478.6	1478.0	1472.6	1456.8	1455.7	1451.4
5°	1668.6	1663.1	1662.4	1661.8	1652.2	1639.3	1614.8	1612.8	1580.1	1563.8	1544.0
7.5°	1899.1	1902.0	1892.0	1883.3	1854.2	1835.0	1808.7	1775.1	1735.0	1694.3	1667.2
10°	2064.6	2087.1	2059.2	2040.1	2022.4	1989.1	1950.3	1902.0	1853.7	1797.2	1754.3
12.5°	2242.1	2253.1	2247.5	2229.6	2202.1	2151.3	2082.6	2029.4	1984.9	1890.8	1852.8
15°	2483.8	2525.3	2498.8	2437.5	2438.9	2390.6	2300.7	2202.1	2149.7	2067.3	1955.1
17.5°	2741.3	2746.5	2735.2	2684.1	2650.1	2583.7	2500.8	2406.2	2300.1	2200.4	2081.4
20°	2878.5	2874.4	2850.6	2824.0	2765.5	2713.8	2623.3	2517.8	2381.7	2283.7	2153.8
22.5°	2954.7	2947.9	2936.6	2914.4	2865.7	2810.2	2728.9	2613.6	2484.1	2349.1	2198.9
25°	2947.9	2956.7	2958.1	2952.0	2935.0	2901.6	2837.6	2745.8	2616.5	2443.0	2286.5
27.5°	2681.1	2693.7	2730.0	2762.3	2798.3	2835.1	2830.2	2784.6	2688.9	2539.0	2347.7
30°	2414.4	2387.2	2454.5	2539.6	2597.4	2699.5	2756.7	2760.1	2706.3	2577.7	2391.2
32.5°	2044.2	2074.1	2103.9	2208.6	2335.0	2449.6	2563.4	2655.0	2665.5	2579.9	2416.8
35°	1588.3	1625.7	1680.1	1734.6	1870.7	1987.7	2187.8	2362.0	2500.8	2519.2	2419.1
37.5°	1279.9	1298.4	1332.8	1387.4	1476.4	1615.2	1770.0	1990.2	2191.3	2340.9	2347.4
40°	1118.7	1124.2	1163.0	1204.5	1276.6	1390.9	1530.4	1725.0	1965.9	2174.9	2262.0
42.5°	997.9	1009.8	1026.3	1066.2	1123.6	1209.6	1339.3	1500.2	1721.0	1961.4	2131.8
45°	857.4	871.0	881.2	907.8	948.6	1006.4	1097.0	1243.9	1412.0	1660.4	1889.7
47.5°	764.6	765.7	773.3	793.3	821.1	864.5	928.5	1022.9	1177.2	1378.7	1614.1
50°	698.2	709.1	711.8	727.4	749.2	781.2	834.3	914.6	1041.2	1218.1	1434.5
52.5°	651.4	654.6	662.3	673.6	692.6	717.5	763.5	826.4	925.7	1076.5	1275.5
55°	582.5	582.5	590.0	598.8	609.7	632.2	662.8	709.1	784.6	901.7	1066.3
57.5°	518.8	522.2	527.5	530.2	539.5	554.3	579.9	615.0	671.4	761.5	892.4
60°	476.3	482.5	481.8	487.2	495.4	507.0	528.7	557.3	607.7	679.8	790.1
62.5°	439.3	438.9	438.8	445.3	453.5	464.5	478.7	503.4	546.2	610.1	704.0
65°	378.4	377.0	381.8	385.8	388.6	396.7	407.6	429.4	458.0	505.6	578.4
67.5°	324.2	320.2	322.8	324.2	328.8	335.2	345.4	358.9	381.6	419.9	474.7
70°	287.2	283.8	283.1	284.4	288.5	293.3	300.8	313.7	334.8	365.4	405.6
72.5°	249.1	246.7	246.6	249.6	251.5	254.6	259.9	271.8	288.5	311.5	349.0
75°	194.6	194.6	194.6	195.3	197.3	200.1	204.1	210.3	223.2	239.5	264.7
77.5°	145.9	145.8	144.9	144.8	147.8	149.0	150.0	155.7	162.9	173.9	192.3
80°	114.3	110.9	112.3	114.3	115.7	116.4	118.4	119.8	125.9	132.0	144.9
82.5°	84.9	82.1	82.3	85.5	85.7	86.4	88.5	90.4	92.7	98.3	105.2
85°	44.9	44.9	45.6	45.6	46.3	45.6	47.6	48.3	48.3	51.7	55.8
87.5°	20.8	19.6	20.1	20.6	20.0	20.4	20.8	21.2	21.7	22.1	22.2
90°	22.3	21.9	21.6	21.3	20.9	20.5	19.8	19.1	18.5	17.8	15.7
92.5°	30.0	30.2	30.4	30.6	30.8	30.6	30.1	29.6	29.0	28.5	27.3
95°	57.9	57.9	57.9	57.9	57.9	57.6	56.9	56.2	55.6	54.9	53.6
97.5°	89.1	89.1	89.2	89.3	89.3	89.0	88.2	87.5	86.7	86.0	85.0
100°	112.8	112.5	112.2	111.8	111.5	111.1	110.6	110.1	109.6	109.1	108.3
102.5°	137.2	137.2	137.3	137.4	137.4	137.2	136.7	136.2	135.7	135.2	134.1
105°	176.7	176.3	176.0	175.7	175.3	175.2	175.2	175.2	175.2	175.2	173.7
107.5°	217.8	218.0	218.2	218.4	218.6	218.4	217.9	217.3	216.8	216.3	215.7
110°	245.7	246.0	246.3	246.7	247.0	246.8	246.2	245.5	244.9	244.2	243.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	275.4	275.4	275.5	275.6	275.6	275.3	274.5	273.7	272.9	272.1	272.0
115°	316.2	316.4	316.5	316.7	316.9	316.9	316.7	316.5	316.4	316.2	316.5
117.5°	357.6	358.1	358.5	359.0	359.5	359.7	359.7	359.8	359.8	359.8	360.3
120°	386.7	387.0	387.4	387.7	388.0	388.3	388.4	388.6	388.8	388.9	389.8
122.5°	414.6	415.1	415.5	416.0	416.5	416.9	417.3	417.8	418.2	418.6	419.1
125°	456.5	457.1	457.8	458.5	459.1	459.8	460.4	461.1	461.8	462.4	462.7
127.5°	498.2	499.0	499.7	500.5	501.2	502.1	503.0	503.9	504.8	505.8	506.1
130°	525.5	526.7	527.8	529.0	530.1	531.0	531.7	532.4	533.0	533.7	534.2
132.5°	554.0	554.9	555.8	556.7	557.6	558.4	559.2	560.0	560.8	561.6	561.9
135°	598.2	598.6	598.9	599.2	599.6	600.1	600.7	601.4	602.0	602.7	602.9
137.5°	637.3	637.9	638.5	639.2	639.8	640.5	641.1	641.8	642.5	643.2	642.8
140°	662.8	664.0	665.1	666.3	667.4	668.1	668.3	668.4	668.6	668.8	668.6
142.5°	688.9	689.8	690.7	691.6	692.5	693.0	693.2	693.4	693.5	693.7	693.4
145°	726.7	727.3	728.0	728.6	729.3	729.7	729.9	730.0	730.2	730.4	729.9
147.5°	760.2	761.2	762.2	763.2	764.2	764.7	764.7	764.7	764.7	764.7	764.2
150°	781.6	782.6	783.6	784.5	785.5	786.0	786.0	786.0	786.0	786.0	785.7
152.5°	802.4	803.2	804.1	804.9	805.8	806.1	805.8	805.6	805.3	805.0	804.8
155°	830.6	831.7	832.9	834.0	835.2	835.4	834.8	834.1	833.5	832.8	832.6
157.5°	856.2	857.2	858.1	859.0	859.9	860.1	859.4	858.7	858.0	857.3	857.2
160°	872.9	873.5	874.2	874.9	875.5	875.4	874.6	873.8	873.0	872.1	872.1
162.5°	885.3	886.4	887.5	888.5	889.6	889.7	888.9	888.0	887.2	886.4	886.3
165°	903.3	904.5	905.6	906.8	907.9	908.0	907.0	906.0	905.0	904.0	904.0
167.5°	918.6	919.6	920.6	921.7	922.7	922.7	921.7	920.6	919.6	918.6	918.5
170°	926.3	927.5	928.6	929.8	930.9	930.9	929.8	928.6	927.5	926.3	926.3
172.5°	932.3	933.4	934.6	935.7	936.9	936.9	935.9	934.9	933.9	932.8	932.8
175°	938.9	940.1	941.2	942.4	943.6	943.6	942.6	941.7	940.7	939.7	939.7
177.5°	942.5	943.4	944.3	945.3	946.2	946.3	945.5	944.7	943.9	943.1	943.1
180°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1448.1	1443.7	1439.4	1431.8	1425.2	1416.0	1413.2	1410.0	1400.2	1391.5	1384.9
5°	1536.5	1520.2	1496.4	1474.6	1456.9	1433.1	1419.5	1405.2	1384.8	1366.4	1351.5
7.5°	1629.1	1597.0	1560.0	1519.9	1482.7	1446.7	1417.7	1391.9	1363.3	1336.2	1315.1
10°	1702.6	1656.3	1604.6	1548.8	1501.2	1454.9	1416.1	1382.1	1345.3	1313.3	1286.8
12.5°	1786.4	1717.8	1646.5	1578.7	1522.4	1458.2	1411.2	1367.9	1326.3	1287.8	1258.0
15°	1885.6	1798.5	1714.2	1620.9	1535.2	1454.9	1399.1	1344.7	1296.3	1256.9	1218.8
17.5°	1976.0	1877.3	1766.1	1652.8	1549.3	1454.1	1376.0	1314.4	1254.0	1205.7	1167.7
20°	2027.2	1914.9	1789.0	1671.3	1557.0	1450.8	1365.1	1291.6	1226.2	1175.2	1132.3
22.5°	2071.3	1939.9	1809.7	1683.8	1556.4	1442.1	1344.9	1269.3	1198.5	1148.5	1102.9
25°	2117.0	1959.8	1829.2	1681.5	1539.3	1420.9	1312.0	1226.2	1155.5	1097.0	1050.0
27.5°	2156.2	1958.5	1803.4	1644.6	1512.3	1393.6	1277.4	1185.4	1110.3	1046.7	999.1
30°	2182.3	1961.2	1776.8	1619.6	1486.2	1363.7	1250.7	1158.2	1079.3	1014.6	969.7
32.5°	2198.7	1959.5	1752.3	1584.7	1444.8	1336.5	1221.9	1126.1	1045.0	981.4	938.1
35°	2208.2	1947.6	1710.1	1512.7	1378.0	1272.5	1176.6	1077.2	992.2	933.0	884.0
37.5°	2189.1	1922.4	1661.1	1443.3	1295.8	1191.9	1111.2	1026.6	945.2	880.0	837.8
40°	2159.2	1906.1	1623.0	1394.3	1239.2	1139.1	1070.4	987.4	907.1	845.2	805.7
42.5°	2102.0	1872.8	1581.1	1339.9	1180.4	1080.3	1017.1	947.7	871.7	813.6	774.1
45°	1962.5	1800.6	1518.2	1258.2	1093.5	990.1	934.3	884.0	815.2	758.7	724.7
47.5°	1769.0	1691.8	1427.3	1172.1	1002.9	903.4	845.4	804.9	754.7	709.1	676.4
50°	1634.5	1602.6	1365.7	1113.3	942.5	845.2	789.4	752.6	716.6	671.0	641.0
52.5°	1479.4	1499.1	1293.9	1052.3	881.0	785.3	732.8	703.6	670.8	633.4	607.3
55°	1261.0	1332.4	1169.8	950.0	789.4	698.2	648.5	622.6	603.6	575.7	553.2
57.5°	1056.4	1147.3	1035.6	844.5	699.4	620.7	573.1	544.9	532.7	518.1	500.4
60°	935.0	1024.8	939.8	773.7	639.0	564.1	521.9	498.1	485.9	475.7	460.7
62.5°	826.7	917.6	846.1	701.9	579.6	510.2	473.5	450.2	440.7	435.4	422.6
65°	677.8	756.0	708.4	590.0	494.7	433.5	400.1	383.8	375.0	372.9	364.7
67.5°	551.6	611.2	576.5	489.4	414.4	361.5	333.2	319.3	312.5	311.8	305.7
70°	468.9	524.7	498.1	419.2	354.5	313.0	288.5	276.3	272.2	271.5	268.1
72.5°	404.6	443.5	422.4	356.6	306.6	268.9	251.0	238.2	233.5	234.5	232.2
75°	299.4	328.7	316.4	270.8	230.7	206.2	191.2	183.1	179.0	181.0	178.3
77.5°	215.4	234.0	222.9	191.4	166.6	148.9	137.9	132.8	129.2	129.0	127.8
80°	162.6	173.5	167.4	148.3	127.9	113.0	104.1	100.7	98.7	98.0	97.3
82.5°	115.8	125.1	117.9	104.8	90.9	81.9	76.9	72.4	70.9	71.3	70.6
85°	58.5	61.9	59.2	51.0	45.6	41.5	38.8	36.7	35.4	36.1	34.7
87.5°	22.8	23.0	20.9	18.3	16.9	15.0	14.6	13.2	12.5	12.8	12.6
90°	13.5	11.4	9.2	7.3	5.7	4.0	2.4	0.7	2.4	4.0	5.7
92.5°	26.1	24.8	23.6	22.4	21.3	20.2	19.1	18.0	19.1	20.2	21.3
95°	52.3	51.0	49.6	48.4	47.3	46.1	44.9	43.8	44.9	46.1	47.3
97.5°	84.0	83.1	82.1	81.2	80.4	79.5	78.6	77.8	78.6	79.5	80.4
100°	107.5	106.6	105.8	104.9	103.9	102.9	101.9	100.9	101.9	102.9	103.9
102.5°	133.1	132.0	130.9	130.0	129.4	128.9	128.3	127.7	128.3	128.9	129.4
105°	172.2	170.7	169.2	168.3	168.0	167.7	167.3	167.0	167.3	167.7	168.0
107.5°	215.1	214.5	213.9	213.5	213.3	213.1	212.9	212.7	212.9	213.1	213.3
110°	243.5	243.2	242.9	242.5	242.2	241.9	241.6	241.2	241.6	241.9	242.2





TEST NUMBER: P332187

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	272.0	271.9	271.8	271.7	271.5	271.3	271.1	270.9	271.1	271.3	271.5
115°	316.9	317.2	317.5	317.4	316.9	316.4	315.9	315.5	315.9	316.4	316.9
117.5°	360.7	361.1	361.6	361.6	361.3	360.9	360.6	360.3	360.6	360.9	361.3
120°	390.6	391.4	392.2	392.2	391.2	390.2	389.2	388.2	389.2	390.2	391.2
122.5°	419.5	419.9	420.3	420.2	419.5	418.7	418.0	417.3	418.0	418.7	419.5
125°	463.1	463.4	463.7	463.7	463.2	462.7	462.2	461.7	462.2	462.7	463.2
127.5°	506.5	506.9	507.2	506.9	505.8	504.8	503.7	502.6	503.7	504.8	505.8
130°	534.7	535.2	535.7	535.2	533.9	532.6	531.3	530.0	531.3	532.6	533.9
132.5°	562.3	562.7	563.0	562.6	561.2	559.9	558.6	557.3	558.6	559.9	561.2
135°	603.0	603.2	603.4	602.9	602.0	601.0	600.0	599.0	600.0	601.0	602.0
137.5°	642.4	641.9	641.5	640.9	640.1	639.2	638.4	637.6	638.4	639.2	640.1
140°	668.4	668.3	668.1	667.6	666.8	666.0	665.1	664.3	665.1	666.0	666.8
142.5°	693.1	692.8	692.5	691.9	691.1	690.3	689.5	688.7	689.5	690.3	691.1
145°	729.4	728.9	728.4	728.0	727.6	727.3	727.0	726.7	727.0	727.3	727.6
147.5°	763.7	763.3	762.8	762.3	761.7	761.1	760.5	759.9	760.5	761.1	761.7
150°	785.4	785.0	784.7	784.4	784.1	783.7	783.4	783.1	783.4	783.7	784.1
152.5°	804.6	804.4	804.2	803.9	803.5	803.0	802.5	802.1	802.5	803.0	803.5
155°	832.5	832.3	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1
157.5°	857.0	856.9	856.8	856.8	857.0	857.2	857.4	857.6	857.4	857.2	857.0
160°	872.1	872.1	872.1	872.3	872.6	873.0	873.3	873.6	873.3	873.0	872.6
162.5°	886.1	886.0	885.9	886.0	886.5	886.9	887.4	887.9	887.4	886.9	886.5
165°	904.0	904.0	904.0	904.3	904.8	905.3	905.8	906.3	905.8	905.3	904.8
167.5°	918.3	918.2	918.1	918.3	919.0	919.7	920.3	921.0	920.3	919.7	919.0
170°	926.3	926.3	926.3	926.6	927.3	928.0	928.6	929.3	928.6	928.0	927.3
172.5°	932.8	932.8	932.8	933.2	933.8	934.5	935.2	935.8	935.2	934.5	933.8
175°	939.7	939.7	939.7	940.0	940.7	941.3	942.0	942.6	942.0	941.3	940.7
177.5°	943.1	943.1	943.1	943.4	943.9	944.4	944.9	945.5	944.9	944.4	943.9
180°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9



TEST NUMBER: P332187

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1381.1	1377.3	1371.9	1363.7	1357.2	1346.8	1346.8	1348.5	1348.5	1347.9	1346.8
5°	1339.2	1329.0	1316.8	1302.5	1287.5	1272.5	1269.8	1264.4	1260.3	1257.5	1254.1
7.5°	1295.0	1276.9	1259.0	1239.0	1220.8	1205.7	1195.2	1186.5	1180.9	1174.9	1170.6
10°	1265.0	1242.6	1221.5	1200.4	1177.2	1158.9	1147.3	1139.1	1133.0	1127.6	1124.9
12.5°	1229.6	1203.9	1180.7	1160.6	1135.3	1116.4	1105.4	1101.6	1094.4	1082.9	1076.9
15°	1177.9	1154.1	1126.2	1095.6	1083.3	1060.2	1047.3	1041.2	1037.1	1028.2	1025.5
17.5°	1133.7	1102.5	1071.2	1048.4	1025.6	1006.9	999.6	992.0	986.6	979.4	977.2
20°	1098.3	1070.4	1041.8	1017.3	993.5	973.1	967.0	961.5	956.1	952.7	950.0
22.5°	1062.4	1034.5	1010.8	987.9	962.5	949.1	942.5	936.5	932.7	930.4	927.6
25°	1011.9	987.4	960.9	940.4	920.0	911.2	907.1	903.7	901.0	897.6	896.9
27.5°	966.7	940.0	918.5	899.5	884.8	877.4	873.5	871.8	872.4	873.6	874.4
30°	933.0	908.5	890.8	874.4	860.8	854.0	853.3	853.3	856.1	856.7	858.1
32.5°	901.9	881.8	864.1	848.3	838.0	833.3	835.9	835.9	838.1	839.9	842.3
35°	856.7	839.0	825.4	811.8	803.0	805.0	806.4	807.7	811.1	815.2	818.0
37.5°	813.6	798.2	784.1	773.4	769.4	773.0	776.3	779.2	783.1	786.2	789.0
40°	782.6	771.0	757.4	747.9	749.2	751.3	754.0	757.4	760.8	762.8	765.6
42.5°	753.7	741.6	731.3	723.4	725.3	727.9	729.5	731.3	735.2	738.9	740.5
45°	709.8	700.2	690.7	685.9	687.3	688.7	690.0	692.1	695.5	698.2	698.9
47.5°	660.3	653.7	647.3	642.7	644.8	644.3	646.1	650.4	651.5	653.1	656.9
50°	628.8	622.6	615.2	613.8	613.8	613.8	614.5	619.9	619.9	622.6	625.4
52.5°	593.9	590.0	585.2	582.8	581.7	581.7	584.5	587.3	588.4	592.2	594.9
55°	542.4	538.3	534.2	532.1	530.8	532.1	537.6	538.9	542.4	544.4	546.4
57.5°	488.6	485.5	482.2	481.1	480.8	482.6	485.6	489.7	490.5	496.8	499.9
60°	453.2	448.4	445.7	445.7	444.4	450.5	449.1	455.9	457.3	461.4	466.1
62.5°	416.7	410.3	409.2	409.2	411.2	412.9	414.8	417.8	421.4	426.5	430.2
65°	357.9	354.5	359.3	358.6	357.3	361.3	361.3	364.7	368.8	373.6	381.1
67.5°	302.3	300.5	300.9	300.9	303.0	305.3	307.2	310.2	315.1	320.1	325.0
70°	264.7	266.8	263.4	266.1	268.1	268.8	270.2	274.2	279.7	283.1	288.5
72.5°	228.2	228.1	228.5	229.6	231.6	232.9	234.2	238.9	244.8	247.7	252.1
75°	175.6	174.9	176.9	176.9	180.3	181.7	183.1	185.1	190.5	194.6	198.0
77.5°	128.2	129.0	128.6	130.9	130.0	130.2	134.5	136.5	137.1	145.1	146.9
80°	96.6	98.0	98.7	99.4	100.0	98.7	103.4	105.5	105.5	110.2	113.6
82.5°	69.4	70.2	72.0	72.7	72.8	74.2	74.6	76.1	77.7	79.8	84.2
85°	34.7	36.7	37.4	36.7	37.4	36.1	38.1	38.8	39.5	39.5	39.5
87.5°	12.4	13.3	13.2	14.1	14.0	15.0	15.1	14.2	14.3	16.1	14.0
90°	7.3	9.2	11.4	13.5	15.7	17.8	18.5	19.1	19.8	20.5	20.9
92.5°	22.4	23.6	24.8	26.1	27.3	28.5	29.0	29.6	30.1	30.6	30.8
95°	48.4	49.6	51.0	52.3	53.6	54.9	55.6	56.2	56.9	57.6	57.9
97.5°	81.2	82.1	83.1	84.0	85.0	86.0	86.7	87.5	88.2	89.0	89.3
100°	104.9	105.8	106.6	107.5	108.3	109.1	109.6	110.1	110.6	111.1	111.5
102.5°	130.0	130.9	132.0	133.1	134.1	135.2	135.7	136.2	136.7	137.2	137.4
105°	168.3	169.2	170.7	172.2	173.7	175.2	175.2	175.2	175.2	175.2	175.3
107.5°	213.5	213.9	214.5	215.1	215.7	216.3	216.8	217.3	217.9	218.4	218.6
110°	242.5	242.9	243.2	243.5	243.9	244.2	244.9	245.5	246.2	246.8	247.0



TEST NUMBER: P332187

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	271.7	271.8	271.9	272.0	272.0	272.1	272.9	273.7	274.5	275.3	275.6
115°	317.4	317.5	317.2	316.9	316.5	316.2	316.4	316.5	316.7	316.9	316.9
117.5°	361.6	361.6	361.1	360.7	360.3	359.8	359.8	359.8	359.7	359.7	359.5
120°	392.2	392.2	391.4	390.6	389.8	388.9	388.8	388.6	388.4	388.3	388.0
122.5°	420.2	420.3	419.9	419.5	419.1	418.6	418.2	417.8	417.3	416.9	416.5
125°	463.7	463.7	463.4	463.1	462.7	462.4	461.8	461.1	460.4	459.8	459.1
127.5°	506.9	507.2	506.9	506.5	506.1	505.8	504.8	503.9	503.0	502.1	501.2
130°	535.2	535.7	535.2	534.7	534.2	533.7	533.0	532.4	531.7	531.0	530.1
132.5°	562.6	563.0	562.7	562.3	561.9	561.6	560.8	560.0	559.2	558.4	557.6
135°	602.9	603.4	603.2	603.0	602.9	602.7	602.0	601.4	600.7	600.1	599.6
137.5°	640.9	641.5	641.9	642.4	642.8	643.2	642.5	641.8	641.1	640.5	639.8
140°	667.6	668.1	668.3	668.4	668.6	668.8	668.6	668.4	668.3	668.1	667.4
142.5°	691.9	692.5	692.8	693.1	693.4	693.7	693.5	693.4	693.2	693.0	692.5
145°	728.0	728.4	728.9	729.4	729.9	730.4	730.2	730.0	729.9	729.7	729.3
147.5°	762.3	762.8	763.3	763.7	764.2	764.7	764.7	764.7	764.7	764.7	764.2
150°	784.4	784.7	785.0	785.4	785.7	786.0	786.0	786.0	786.0	786.0	785.5
152.5°	803.9	804.2	804.4	804.6	804.8	805.0	805.3	805.6	805.8	806.1	805.8
155°	832.1	832.1	832.3	832.5	832.6	832.8	833.5	834.1	834.8	835.4	835.2
157.5°	856.8	856.8	856.9	857.0	857.2	857.3	858.0	858.7	859.4	860.1	859.9
160°	872.3	872.1	872.1	872.1	872.1	872.1	873.0	873.8	874.6	875.4	875.5
162.5°	886.0	885.9	886.0	886.1	886.3	886.4	887.2	888.0	888.9	889.7	889.6
165°	904.3	904.0	904.0	904.0	904.0	904.0	905.0	906.0	907.0	908.0	907.9
167.5°	918.3	918.1	918.2	918.3	918.5	918.6	919.6	920.6	921.7	922.7	922.7
170°	926.6	926.3	926.3	926.3	926.3	926.3	927.5	928.6	929.8	930.9	930.9
172.5°	933.2	932.8	932.8	932.8	932.8	932.8	933.9	934.9	935.9	936.9	936.9
175°	940.0	939.7	939.7	939.7	939.7	939.7	940.7	941.7	942.6	943.6	943.6
177.5°	943.4	943.1	943.1	943.1	943.1	943.1	943.9	944.7	945.5	946.3	946.2
180°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9



TEST NUMBER: P332187

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1343.0	1342.5	1346.3	1343.6	1346.3	1342.5	1343.0	1346.8	1347.9	1348.5	1348.5
5°	1250.1	1252.1	1245.3	1245.3	1245.3	1252.1	1250.1	1254.1	1257.5	1260.3	1264.4
7.5°	1167.3	1164.3	1164.6	1160.9	1164.6	1164.3	1167.3	1170.6	1174.9	1180.9	1186.5
10°	1116.7	1112.6	1111.2	1111.9	1111.2	1112.6	1116.7	1124.9	1127.6	1133.0	1139.1
12.5°	1074.8	1074.0	1065.0	1065.1	1065.0	1074.0	1074.8	1076.9	1082.9	1094.4	1101.6
15°	1025.5	1012.6	1011.2	1015.3	1011.2	1012.6	1025.5	1025.5	1028.2	1037.1	1041.2
17.5°	976.1	969.3	969.7	967.7	969.7	969.3	976.1	977.2	979.4	986.6	992.0
20°	950.0	945.9	945.2	940.4	945.2	945.9	950.0	950.0	952.7	956.1	961.5
22.5°	926.0	924.7	925.1	919.8	925.1	924.7	926.0	927.6	930.4	932.7	936.5
25°	896.2	899.6	896.9	896.9	896.9	899.6	896.2	896.9	897.6	901.0	903.7
27.5°	876.1	875.9	874.6	874.6	874.6	875.9	876.1	874.4	873.6	872.4	871.8
30°	860.8	860.1	861.5	861.5	861.5	860.1	860.8	858.1	856.7	856.1	853.3
32.5°	845.6	846.5	846.8	847.3	846.8	846.5	845.6	842.3	839.9	838.1	835.9
35°	822.0	822.7	824.8	823.4	824.8	822.7	822.0	818.0	815.2	811.1	807.7
37.5°	790.2	793.3	792.6	793.7	792.6	793.3	790.2	789.0	786.2	783.1	779.2
40°	766.2	768.3	767.6	767.6	767.6	768.3	766.2	765.6	762.8	760.8	757.4
42.5°	741.7	743.2	741.5	740.4	741.5	743.2	741.7	740.5	738.9	735.2	731.3
45°	701.6	700.2	702.3	699.5	702.3	700.2	701.6	698.9	698.2	695.5	692.1
47.5°	656.7	658.0	658.6	660.6	658.6	658.0	656.7	656.9	653.1	651.5	650.4
50°	626.7	630.8	630.8	630.1	630.8	630.8	626.7	625.4	622.6	619.9	619.9
52.5°	597.3	599.2	602.0	601.8	602.0	599.2	597.3	594.9	592.2	588.4	587.3
55°	551.9	553.2	554.6	555.3	554.6	553.2	551.9	546.4	544.4	542.4	538.9
57.5°	504.8	504.2	507.5	508.5	507.5	504.2	504.8	499.9	496.8	490.5	489.7
60°	471.6	471.6	477.0	479.1	477.0	471.6	471.6	466.1	461.4	457.3	455.9
62.5°	436.2	438.4	443.8	441.0	443.8	438.4	436.2	430.2	426.5	421.4	417.8
65°	384.5	389.9	389.2	392.0	389.2	389.9	384.5	381.1	373.6	368.8	364.7
67.5°	330.4	333.8	338.7	339.2	338.7	333.8	330.4	325.0	320.1	315.1	310.2
70°	294.0	297.4	300.1	302.1	300.1	297.4	294.0	288.5	283.1	279.7	274.2
72.5°	258.6	260.4	266.9	264.0	266.9	260.4	258.6	252.1	247.7	244.8	238.9
75°	202.8	207.5	211.6	209.6	211.6	207.5	202.8	198.0	194.6	190.5	185.1
77.5°	150.0	154.7	156.6	154.9	156.6	154.7	150.0	146.9	145.1	137.1	136.5
80°	118.4	117.7	121.8	121.1	121.8	117.7	118.4	113.6	110.2	105.5	105.5
82.5°	86.8	86.2	88.1	88.5	88.1	86.2	86.8	84.2	79.8	77.7	76.1
85°	42.2	44.2	41.5	40.8	41.5	44.2	42.2	39.5	39.5	39.5	38.8
87.5°	14.1	14.1	13.6	13.2	13.6	14.1	14.1	14.0	16.1	14.3	14.2
90°	21.3	21.6	21.9	22.3	21.9	21.6	21.3	20.9	20.5	19.8	19.1
92.5°	30.6	30.4	30.2	30.0	30.2	30.4	30.6	30.8	30.6	30.1	29.6
95°	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.6	56.9	56.2
97.5°	89.3	89.2	89.1	89.1	89.1	89.2	89.3	89.3	89.0	88.2	87.5
100°	111.8	112.2	112.5	112.8	112.5	112.2	111.8	111.5	111.1	110.6	110.1
102.5°	137.4	137.3	137.2	137.2	137.2	137.3	137.4	137.4	137.2	136.7	136.2
105°	175.7	176.0	176.3	176.7	176.3	176.0	175.7	175.3	175.2	175.2	175.2
107.5°	218.4	218.2	218.0	217.8	218.0	218.2	218.4	218.6	218.4	217.9	217.3
110°	246.7	246.3	246.0	245.7	246.0	246.3	246.7	247.0	246.8	246.2	245.5



TEST NUMBER: P332187

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	275.6	275.5	275.4	275.4	275.4	275.5	275.6	275.6	275.3	274.5	273.7
115°	316.7	316.5	316.4	316.2	316.4	316.5	316.7	316.9	316.9	316.7	316.5
117.5°	359.0	358.5	358.1	357.6	358.1	358.5	359.0	359.5	359.7	359.7	359.8
120°	387.7	387.4	387.0	386.7	387.0	387.4	387.7	388.0	388.3	388.4	388.6
122.5°	416.0	415.5	415.1	414.6	415.1	415.5	416.0	416.5	416.9	417.3	417.8
125°	458.5	457.8	457.1	456.5	457.1	457.8	458.5	459.1	459.8	460.4	461.1
127.5°	500.5	499.7	499.0	498.2	499.0	499.7	500.5	501.2	502.1	503.0	503.9
130°	529.0	527.8	526.7	525.5	526.7	527.8	529.0	530.1	531.0	531.7	532.4
132.5°	556.7	555.8	554.9	554.0	554.9	555.8	556.7	557.6	558.4	559.2	560.0
135°	599.2	598.9	598.6	598.2	598.6	598.9	599.2	599.6	600.1	600.7	601.4
137.5°	639.2	638.5	637.9	637.3	637.9	638.5	639.2	639.8	640.5	641.1	641.8
140°	666.3	665.1	664.0	662.8	664.0	665.1	666.3	667.4	668.1	668.3	668.4
142.5°	691.6	690.7	689.8	688.9	689.8	690.7	691.6	692.5	693.0	693.2	693.4
145°	728.6	728.0	727.3	726.7	727.3	728.0	728.6	729.3	729.7	729.9	730.0
147.5°	763.2	762.2	761.2	760.2	761.2	762.2	763.2	764.2	764.7	764.7	764.7
150°	784.5	783.6	782.6	781.6	782.6	783.6	784.5	785.5	786.0	786.0	786.0
152.5°	804.9	804.1	803.2	802.4	803.2	804.1	804.9	805.8	806.1	805.8	805.6
155°	834.0	832.9	831.7	830.6	831.7	832.9	834.0	835.2	835.4	834.8	834.1
157.5°	859.0	858.1	857.2	856.2	857.2	858.1	859.0	859.9	860.1	859.4	858.7
160°	874.9	874.2	873.5	872.9	873.5	874.2	874.9	875.5	875.4	874.6	873.8
162.5°	888.5	887.5	886.4	885.3	886.4	887.5	888.5	889.6	889.7	888.9	888.0
165°	906.8	905.6	904.5	903.3	904.5	905.6	906.8	907.9	908.0	907.0	906.0
167.5°	921.7	920.6	919.6	918.6	919.6	920.6	921.7	922.7	922.7	921.7	920.6
170°	929.8	928.6	927.5	926.3	927.5	928.6	929.8	930.9	930.9	929.8	928.6
172.5°	935.7	934.6	933.4	932.3	933.4	934.6	935.7	936.9	936.9	935.9	934.9
175°	942.4	941.2	940.1	938.9	940.1	941.2	942.4	943.6	943.6	942.6	941.7
177.5°	945.3	944.3	943.4	942.5	943.4	944.3	945.3	946.2	946.3	945.5	944.7
180°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9



TEST NUMBER: P332187

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1346.8	1346.8	1357.2	1363.7	1371.9	1377.3	1381.1	1384.9	1391.5	1400.2	1410.0
5°	1269.8	1272.5	1287.5	1302.5	1316.8	1329.0	1339.2	1351.5	1366.4	1384.8	1405.2
7.5°	1195.2	1205.7	1220.8	1239.0	1259.0	1276.9	1295.0	1315.1	1336.2	1363.3	1391.9
10°	1147.3	1158.9	1177.2	1200.4	1221.5	1242.6	1265.0	1286.8	1313.3	1345.3	1382.1
12.5°	1105.4	1116.4	1135.3	1160.6	1180.7	1203.9	1229.6	1258.0	1287.8	1326.3	1367.9
15°	1047.3	1060.2	1083.3	1095.6	1126.2	1154.1	1177.9	1218.8	1256.9	1296.3	1344.7
17.5°	999.6	1006.9	1025.6	1048.4	1071.2	1102.5	1133.7	1167.7	1205.7	1254.0	1314.4
20°	967.0	973.1	993.5	1017.3	1041.8	1070.4	1098.3	1132.3	1175.2	1226.2	1291.6
22.5°	942.5	949.1	962.5	987.9	1010.8	1034.5	1062.4	1102.9	1148.5	1198.5	1269.3
25°	907.1	911.2	920.0	940.4	960.9	987.4	1011.9	1050.0	1097.0	1155.5	1226.2
27.5°	873.5	877.4	884.8	899.5	918.5	940.0	966.7	999.1	1046.7	1110.3	1185.4
30°	853.3	854.0	860.8	874.4	890.8	908.5	933.0	969.7	1014.6	1079.3	1158.2
32.5°	835.9	833.3	838.0	848.3	864.1	881.8	901.9	938.1	981.4	1045.0	1126.1
35°	806.4	805.0	803.0	811.8	825.4	839.0	856.7	884.0	933.0	992.2	1077.2
37.5°	776.3	773.0	769.4	773.4	784.1	798.2	813.6	837.8	880.0	945.2	1026.6
40°	754.0	751.3	749.2	747.9	757.4	771.0	782.6	805.7	845.2	907.1	987.4
42.5°	729.5	727.9	725.3	723.4	731.3	741.6	753.7	774.1	813.6	871.7	947.7
45°	690.0	688.7	687.3	685.9	690.7	700.2	709.8	724.7	758.7	815.2	884.0
47.5°	646.1	644.3	644.8	642.7	647.3	653.7	660.3	676.4	709.1	754.7	804.9
50°	614.5	613.8	613.8	613.8	615.2	622.6	628.8	641.0	671.0	716.6	752.6
52.5°	584.5	581.7	581.7	582.8	585.2	590.0	593.9	607.3	633.4	670.8	703.6
55°	537.6	532.1	530.8	532.1	534.2	538.3	542.4	553.2	575.7	603.6	622.6
57.5°	485.6	482.6	480.8	481.1	482.2	485.5	488.6	500.4	518.1	532.7	544.9
60°	449.1	450.5	444.4	445.7	445.7	448.4	453.2	460.7	475.7	485.9	498.1
62.5°	414.8	412.9	411.2	409.2	409.2	410.3	416.7	422.6	435.4	440.7	450.2
65°	361.3	361.3	357.3	358.6	359.3	354.5	357.9	364.7	372.9	375.0	383.8
67.5°	307.2	305.3	303.0	300.9	300.9	300.5	302.3	305.7	311.8	312.5	319.3
70°	270.2	268.8	268.1	266.1	263.4	266.8	264.7	268.1	271.5	272.2	276.3
72.5°	234.2	232.9	231.6	229.6	228.5	228.1	228.2	232.2	234.5	233.5	238.2
75°	183.1	181.7	180.3	176.9	176.9	174.9	175.6	178.3	181.0	179.0	183.1
77.5°	134.5	130.2	130.0	130.9	128.6	129.0	128.2	127.8	129.0	129.2	132.8
80°	103.4	98.7	100.0	99.4	98.7	98.0	96.6	97.3	98.0	98.7	100.7
82.5°	74.6	74.2	72.8	72.7	72.0	70.2	69.4	70.6	71.3	70.9	72.4
85°	38.1	36.1	37.4	36.7	37.4	36.7	34.7	34.7	36.1	35.4	36.7
87.5°	15.1	15.0	14.0	14.1	13.2	13.3	12.4	12.6	12.8	12.5	13.2
90°	18.5	17.8	15.7	13.5	11.4	9.2	7.3	5.7	4.0	2.4	0.7
92.5°	29.0	28.5	27.3	26.1	24.8	23.6	22.4	21.3	20.2	19.1	18.0
95°	55.6	54.9	53.6	52.3	51.0	49.6	48.4	47.3	46.1	44.9	43.8
97.5°	86.7	86.0	85.0	84.0	83.1	82.1	81.2	80.4	79.5	78.6	77.8
100°	109.6	109.1	108.3	107.5	106.6	105.8	104.9	103.9	102.9	101.9	100.9
102.5°	135.7	135.2	134.1	133.1	132.0	130.9	130.0	129.4	128.9	128.3	127.7
105°	175.2	175.2	173.7	172.2	170.7	169.2	168.3	168.0	167.7	167.3	167.0
107.5°	216.8	216.3	215.7	215.1	214.5	213.9	213.5	213.3	213.1	212.9	212.7
110°	244.9	244.2	243.9	243.5	243.2	242.9	242.5	242.2	241.9	241.6	241.2



TEST NUMBER: P332187

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	272.9	272.1	272.0	272.0	271.9	271.8	271.7	271.5	271.3	271.1	270.9
115°	316.4	316.2	316.5	316.9	317.2	317.5	317.4	316.9	316.4	315.9	315.5
117.5°	359.8	359.8	360.3	360.7	361.1	361.6	361.6	361.3	360.9	360.6	360.3
120°	388.8	388.9	389.8	390.6	391.4	392.2	392.2	391.2	390.2	389.2	388.2
122.5°	418.2	418.6	419.1	419.5	419.9	420.3	420.2	419.5	418.7	418.0	417.3
125°	461.8	462.4	462.7	463.1	463.4	463.7	463.7	463.2	462.7	462.2	461.7
127.5°	504.8	505.8	506.1	506.5	506.9	507.2	506.9	505.8	504.8	503.7	502.6
130°	533.0	533.7	534.2	534.7	535.2	535.7	535.2	533.9	532.6	531.3	530.0
132.5°	560.8	561.6	561.9	562.3	562.7	563.0	562.6	561.2	559.9	558.6	557.3
135°	602.0	602.7	602.9	603.0	603.2	603.4	602.9	602.0	601.0	600.0	599.0
137.5°	642.5	643.2	642.8	642.4	641.9	641.5	640.9	640.1	639.2	638.4	637.6
140°	668.6	668.8	668.6	668.4	668.3	668.1	667.6	666.8	666.0	665.1	664.3
142.5°	693.5	693.7	693.4	693.1	692.8	692.5	691.9	691.1	690.3	689.5	688.7
145°	730.2	730.4	729.9	729.4	728.9	728.4	728.0	727.6	727.3	727.0	726.7
147.5°	764.7	764.7	764.2	763.7	763.3	762.8	762.3	761.7	761.1	760.5	759.9
150°	786.0	786.0	785.7	785.4	785.0	784.7	784.4	784.1	783.7	783.4	783.1
152.5°	805.3	805.0	804.8	804.6	804.4	804.2	803.9	803.5	803.0	802.5	802.1
155°	833.5	832.8	832.6	832.5	832.3	832.1	832.1	832.1	832.1	832.1	832.1
157.5°	858.0	857.3	857.2	857.0	856.9	856.8	856.8	857.0	857.2	857.4	857.6
160°	873.0	872.1	872.1	872.1	872.1	872.1	872.3	872.6	873.0	873.3	873.6
162.5°	887.2	886.4	886.3	886.1	886.0	885.9	886.0	886.5	886.9	887.4	887.9
165°	905.0	904.0	904.0	904.0	904.0	904.0	904.3	904.8	905.3	905.8	906.3
167.5°	919.6	918.6	918.5	918.3	918.2	918.1	918.3	919.0	919.7	920.3	921.0
170°	927.5	926.3	926.3	926.3	926.3	926.3	926.6	927.3	928.0	928.6	929.3
172.5°	933.9	932.8	932.8	932.8	932.8	932.8	933.2	933.8	934.5	935.2	935.8
175°	940.7	939.7	939.7	939.7	939.7	939.7	940.0	940.7	941.3	942.0	942.6
177.5°	943.9	943.1	943.1	943.1	943.1	943.1	943.4	943.9	944.4	944.9	945.5
180°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9



TEST NUMBER: P332187

CATALOG NUMBER: S123DIW-S1000D755U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1413.2	1416.0	1425.2	1431.8	1439.4	1443.7	1448.1	1451.4	1455.7	1456.8	1472.6
5°	1419.5	1433.1	1456.9	1474.6	1496.4	1520.2	1536.5	1544.0	1563.8	1580.1	1612.8
7.5°	1417.7	1446.7	1482.7	1519.9	1560.0	1597.0	1629.1	1667.2	1694.3	1735.0	1775.1
10°	1416.1	1454.9	1501.2	1548.8	1604.6	1656.3	1702.6	1754.3	1797.2	1853.7	1902.0
12.5°	1411.2	1458.2	1522.4	1578.7	1646.5	1717.8	1786.4	1852.8	1890.8	1984.9	2029.4
15°	1399.1	1454.9	1535.2	1620.9	1714.2	1798.5	1885.6	1955.1	2067.3	2149.7	2202.1
17.5°	1376.0	1454.1	1549.3	1652.8	1766.1	1877.3	1976.0	2081.4	2200.4	2300.1	2406.2
20°	1365.1	1450.8	1557.0	1671.3	1789.0	1914.9	2027.2	2153.8	2283.7	2381.7	2517.8
22.5°	1344.9	1442.1	1556.4	1683.8	1809.7	1939.9	2071.3	2198.9	2349.1	2484.1	2613.6
25°	1312.0	1420.9	1539.3	1681.5	1829.2	1959.8	2117.0	2286.5	2443.0	2616.5	2745.8
27.5°	1277.4	1393.6	1512.3	1644.6	1803.4	1958.5	2156.2	2347.7	2539.0	2688.9	2784.6
30°	1250.7	1363.7	1486.2	1619.6	1776.8	1961.2	2182.3	2391.2	2577.7	2706.3	2760.1
32.5°	1221.9	1336.5	1444.8	1584.7	1752.3	1959.5	2198.7	2416.8	2579.9	2665.5	2655.0
35°	1176.6	1272.5	1378.0	1512.7	1710.1	1947.6	2208.2	2419.1	2519.2	2500.8	2362.0
37.5°	1111.2	1191.9	1295.8	1443.3	1661.1	1922.4	2189.1	2347.4	2340.9	2191.3	1990.2
40°	1070.4	1139.1	1239.2	1394.3	1623.0	1906.1	2159.2	2262.0	2174.9	1965.9	1725.0
42.5°	1017.1	1080.3	1180.4	1339.9	1581.1	1872.8	2102.0	2131.8	1961.4	1721.0	1500.2
45°	934.3	990.1	1093.5	1258.2	1518.2	1800.6	1962.5	1889.7	1660.4	1412.0	1243.9
47.5°	845.4	903.4	1002.9	1172.1	1427.3	1691.8	1769.0	1614.1	1378.7	1177.2	1022.9
50°	789.4	845.2	942.5	1113.3	1365.7	1602.6	1634.5	1434.5	1218.1	1041.2	914.6
52.5°	732.8	785.3	881.0	1052.3	1293.9	1499.1	1479.4	1275.5	1076.5	925.7	826.4
55°	648.5	698.2	789.4	950.0	1169.8	1332.4	1261.0	1066.3	901.7	784.6	709.1
57.5°	573.1	620.7	699.4	844.5	1035.6	1147.3	1056.4	892.4	761.5	671.4	615.0
60°	521.9	564.1	639.0	773.7	939.8	1024.8	935.0	790.1	679.8	607.7	557.3
62.5°	473.5	510.2	579.6	701.9	846.1	917.6	826.7	704.0	610.1	546.2	503.4
65°	400.1	433.5	494.7	590.0	708.4	756.0	677.8	578.4	505.6	458.0	429.4
67.5°	333.2	361.5	414.4	489.4	576.5	611.2	551.6	474.7	419.9	381.6	358.9
70°	288.5	313.0	354.5	419.2	498.1	524.7	468.9	405.6	365.4	334.8	313.7
72.5°	251.0	268.9	306.6	356.6	422.4	443.5	404.6	349.0	311.5	288.5	271.8
75°	191.2	206.2	230.7	270.8	316.4	328.7	299.4	264.7	239.5	223.2	210.3
77.5°	137.9	148.9	166.6	191.4	222.9	234.0	215.4	192.3	173.9	162.9	155.7
80°	104.1	113.0	127.9	148.3	167.4	173.5	162.6	144.9	132.0	125.9	119.8
82.5°	76.9	81.9	90.9	104.8	117.9	125.1	115.8	105.2	98.3	92.7	90.4
85°	38.8	41.5	45.6	51.0	59.2	61.9	58.5	55.8	51.7	48.3	48.3
87.5°	14.6	15.0	16.9	18.3	20.9	23.0	22.8	22.2	22.1	21.7	21.2
90°	2.4	4.0	5.7	7.3	9.2	11.4	13.5	15.7	17.8	18.5	19.1
92.5°	19.1	20.2	21.3	22.4	23.6	24.8	26.1	27.3	28.5	29.0	29.6
95°	44.9	46.1	47.3	48.4	49.6	51.0	52.3	53.6	54.9	55.6	56.2
97.5°	78.6	79.5	80.4	81.2	82.1	83.1	84.0	85.0	86.0	86.7	87.5
100°	101.9	102.9	103.9	104.9	105.8	106.6	107.5	108.3	109.1	109.6	110.1
102.5°	128.3	128.9	129.4	130.0	130.9	132.0	133.1	134.1	135.2	135.7	136.2
105°	167.3	167.7	168.0	168.3	169.2	170.7	172.2	173.7	175.2	175.2	175.2
107.5°	212.9	213.1	213.3	213.5	213.9	214.5	215.1	215.7	216.3	216.8	217.3
110°	241.6	241.9	242.2	242.5	242.9	243.2	243.5	243.9	244.2	244.9	245.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	271.1	271.3	271.5	271.7	271.8	271.9	272.0	272.0	272.1	272.9	273.7
115°	315.9	316.4	316.9	317.4	317.5	317.2	316.9	316.5	316.2	316.4	316.5
117.5°	360.6	360.9	361.3	361.6	361.6	361.1	360.7	360.3	359.8	359.8	359.8
120°	389.2	390.2	391.2	392.2	392.2	391.4	390.6	389.8	388.9	388.8	388.6
122.5°	418.0	418.7	419.5	420.2	420.3	419.9	419.5	419.1	418.6	418.2	417.8
125°	462.2	462.7	463.2	463.7	463.7	463.4	463.1	462.7	462.4	461.8	461.1
127.5°	503.7	504.8	505.8	506.9	507.2	506.9	506.5	506.1	505.8	504.8	503.9
130°	531.3	532.6	533.9	535.2	535.7	535.2	534.7	534.2	533.7	533.0	532.4
132.5°	558.6	559.9	561.2	562.6	563.0	562.7	562.3	561.9	561.6	560.8	560.0
135°	600.0	601.0	602.0	602.9	603.4	603.2	603.0	602.9	602.7	602.0	601.4
137.5°	638.4	639.2	640.1	640.9	641.5	641.9	642.4	642.8	643.2	642.5	641.8
140°	665.1	666.0	666.8	667.6	668.1	668.3	668.4	668.6	668.8	668.6	668.4
142.5°	689.5	690.3	691.1	691.9	692.5	692.8	693.1	693.4	693.7	693.5	693.4
145°	727.0	727.3	727.6	728.0	728.4	728.9	729.4	729.9	730.4	730.2	730.0
147.5°	760.5	761.1	761.7	762.3	762.8	763.3	763.7	764.2	764.7	764.7	764.7
150°	783.4	783.7	784.1	784.4	784.7	785.0	785.4	785.7	786.0	786.0	786.0
152.5°	802.5	803.0	803.5	803.9	804.2	804.4	804.6	804.8	805.0	805.3	805.6
155°	832.1	832.1	832.1	832.1	832.1	832.3	832.5	832.6	832.8	833.5	834.1
157.5°	857.4	857.2	857.0	856.8	856.8	856.9	857.0	857.2	857.3	858.0	858.7
160°	873.3	873.0	872.6	872.3	872.1	872.1	872.1	872.1	872.1	873.0	873.8
162.5°	887.4	886.9	886.5	886.0	885.9	886.0	886.1	886.3	886.4	887.2	888.0
165°	905.8	905.3	904.8	904.3	904.0	904.0	904.0	904.0	904.0	905.0	906.0
167.5°	920.3	919.7	919.0	918.3	918.1	918.2	918.3	918.5	918.6	919.6	920.6
170°	928.6	928.0	927.3	926.6	926.3	926.3	926.3	926.3	926.3	927.5	928.6
172.5°	935.2	934.5	933.8	933.2	932.8	932.8	932.8	932.8	932.8	933.9	934.9
175°	942.0	941.3	940.7	940.0	939.7	939.7	939.7	939.7	939.7	940.7	941.7
177.5°	944.9	944.4	943.9	943.4	943.1	943.1	943.1	943.1	943.1	943.9	944.7
180°	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9	944.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5	1404.5
2.5°	1478.0	1478.6	1484.6	1488.9	1486.7	1489.5	1490.5
5°	1614.8	1639.3	1652.2	1661.8	1662.4	1663.1	1668.6
7.5°	1808.7	1835.0	1854.2	1883.3	1892.0	1902.0	1899.1
10°	1950.3	1989.1	2022.4	2040.1	2059.2	2087.1	2064.6
12.5°	2082.6	2151.3	2202.1	2229.6	2247.5	2253.1	2242.1
15°	2300.7	2390.6	2438.9	2437.5	2498.8	2525.3	2483.8
17.5°	2500.8	2583.7	2650.1	2684.1	2735.2	2746.5	2741.3
20°	2623.3	2713.8	2765.5	2824.0	2850.6	2874.4	2878.5
22.5°	2728.9	2810.2	2865.7	2914.4	2936.6	2947.9	2954.7
25°	2837.6	2901.6	2935.0	2952.0	2958.1	2956.7	2947.9
27.5°	2830.2	2835.1	2798.3	2762.3	2730.0	2693.7	2681.1
30°	2756.7	2699.5	2597.4	2539.6	2454.5	2387.2	2414.4
32.5°	2563.4	2449.6	2335.0	2208.6	2103.9	2074.1	2044.2
35°	2187.8	1987.7	1870.7	1734.6	1680.1	1625.7	1588.3
37.5°	1770.0	1615.2	1476.4	1387.4	1332.8	1298.4	1279.9
40°	1530.4	1390.9	1276.6	1204.5	1163.0	1124.2	1118.7
42.5°	1339.3	1209.6	1123.6	1066.2	1026.3	1009.8	997.9
45°	1097.0	1006.4	948.6	907.8	881.2	871.0	857.4
47.5°	928.5	864.5	821.1	793.3	773.3	765.7	764.6
50°	834.3	781.2	749.2	727.4	711.8	709.1	698.2
52.5°	763.5	717.5	692.6	673.6	662.3	654.6	651.4
55°	662.8	632.2	609.7	598.8	590.0	582.5	582.5
57.5°	579.9	554.3	539.5	530.2	527.5	522.2	518.8
60°	528.7	507.0	495.4	487.2	481.8	482.5	476.3
62.5°	478.7	464.5	453.5	445.3	438.8	438.9	439.3
65°	407.6	396.7	388.6	385.8	381.8	377.0	378.4
67.5°	345.4	335.2	328.8	324.2	322.8	320.2	324.2
70°	300.8	293.3	288.5	284.4	283.1	283.8	287.2
72.5°	259.9	254.6	251.5	249.6	246.6	246.7	249.1
75°	204.1	200.1	197.3	195.3	194.6	194.6	194.6
77.5°	150.0	149.0	147.8	144.8	144.9	145.8	145.9
80°	118.4	116.4	115.7	114.3	112.3	110.9	114.3
82.5°	88.5	86.4	85.7	85.5	82.3	82.1	84.9
85°	47.6	45.6	46.3	45.6	45.6	44.9	44.9
87.5°	20.8	20.4	20.0	20.6	20.1	19.6	20.8
90°	19.8	20.5	20.9	21.3	21.6	21.9	22.3
92.5°	30.1	30.6	30.8	30.6	30.4	30.2	30.0
95°	56.9	57.6	57.9	57.9	57.9	57.9	57.9
97.5°	88.2	89.0	89.3	89.3	89.2	89.1	89.1
100°	110.6	111.1	111.5	111.8	112.2	112.5	112.8
102.5°	136.7	137.2	137.4	137.4	137.3	137.2	137.2
105°	175.2	175.2	175.3	175.7	176.0	176.3	176.7
107.5°	217.9	218.4	218.6	218.4	218.2	218.0	217.8
110°	246.2	246.8	247.0	246.7	246.3	246.0	245.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	274.5	275.3	275.6	275.6	275.5	275.4	275.4
115°	316.7	316.9	316.9	316.7	316.5	316.4	316.2
117.5°	359.7	359.7	359.5	359.0	358.5	358.1	357.6
120°	388.4	388.3	388.0	387.7	387.4	387.0	386.7
122.5°	417.3	416.9	416.5	416.0	415.5	415.1	414.6
125°	460.4	459.8	459.1	458.5	457.8	457.1	456.5
127.5°	503.0	502.1	501.2	500.5	499.7	499.0	498.2
130°	531.7	531.0	530.1	529.0	527.8	526.7	525.5
132.5°	559.2	558.4	557.6	556.7	555.8	554.9	554.0
135°	600.7	600.1	599.6	599.2	598.9	598.6	598.2
137.5°	641.1	640.5	639.8	639.2	638.5	637.9	637.3
140°	668.3	668.1	667.4	666.3	665.1	664.0	662.8
142.5°	693.2	693.0	692.5	691.6	690.7	689.8	688.9
145°	729.9	729.7	729.3	728.6	728.0	727.3	726.7
147.5°	764.7	764.7	764.2	763.2	762.2	761.2	760.2
150°	786.0	786.0	785.5	784.5	783.6	782.6	781.6
152.5°	805.8	806.1	805.8	804.9	804.1	803.2	802.4
155°	834.8	835.4	835.2	834.0	832.9	831.7	830.6
157.5°	859.4	860.1	859.9	859.0	858.1	857.2	856.2
160°	874.6	875.4	875.5	874.9	874.2	873.5	872.9
162.5°	888.9	889.7	889.6	888.5	887.5	886.4	885.3
165°	907.0	908.0	907.9	906.8	905.6	904.5	903.3
167.5°	921.7	922.7	922.7	921.7	920.6	919.6	918.6
170°	929.8	930.9	930.9	929.8	928.6	927.5	926.3
172.5°	935.9	936.9	936.9	935.7	934.6	933.4	932.3
175°	942.6	943.6	943.6	942.4	941.2	940.1	938.9
177.5°	945.5	946.3	946.2	945.3	944.3	943.4	942.5
180°	944.9	944.9	944.9	944.9	944.9	944.9	944.9

(END OF REPORT)