

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: P332938

Luminaire Tested: **SA4XXRDIP-C795D810U835-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332938
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D810U835-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

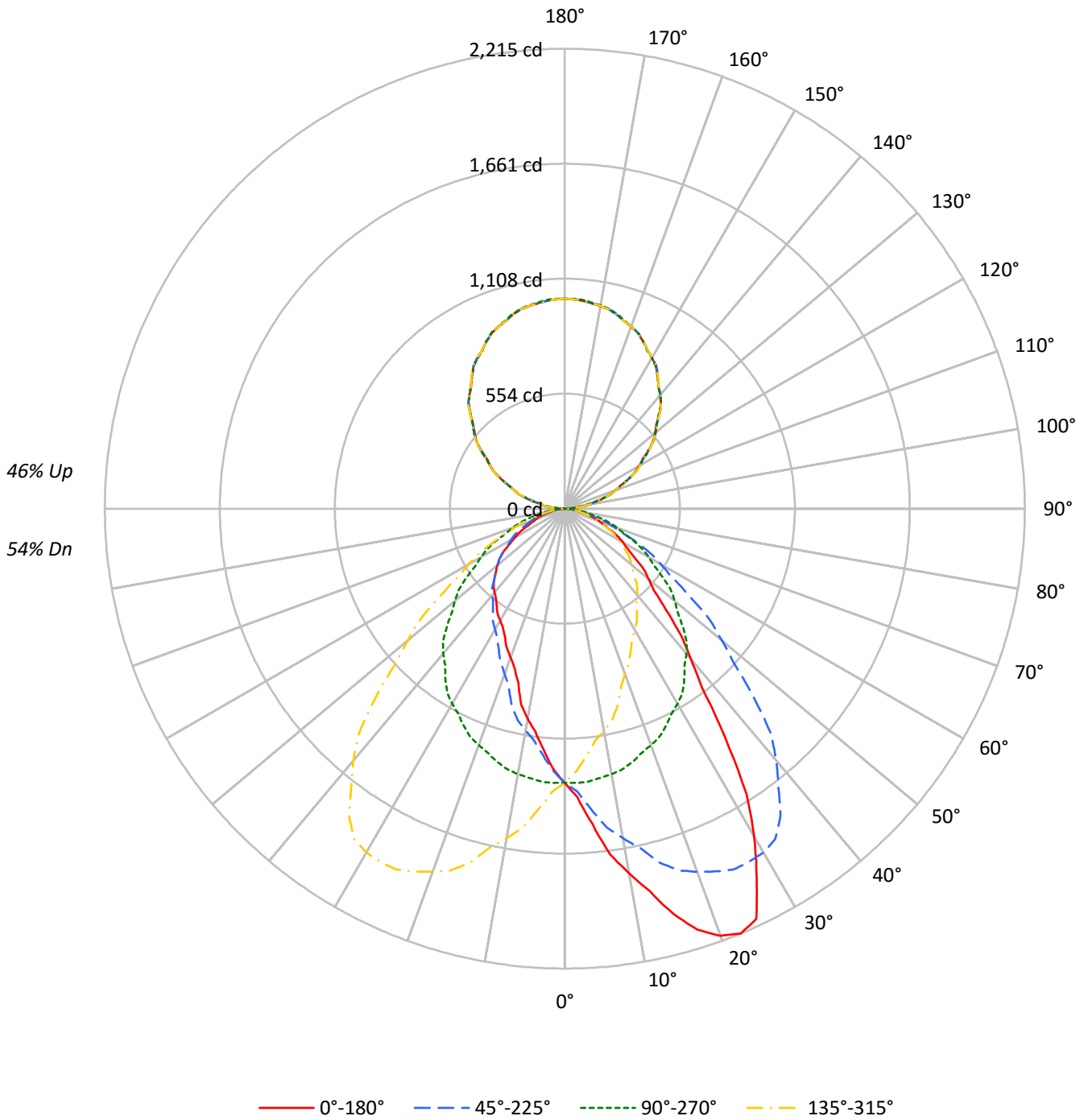
Lumens per Lamp: N/A
Luminaire Lumens: 6144.3 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 45.9
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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54	54	54	54	
1	99	95	91	88	92	88	85	82	76	74	72	65	63	61	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	68	67	63	60	57	54	52	48	46	44	40	40	40	40	
3	83	74	67	61	77	69	63	58	60	55	51	51	47	45	43	40	38	34	34	34	34	
4	76	66	58	52	71	61	55	49	53	48	44	46	42	39	39	36	33	30	30	30	30	
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26	26	26	26	
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	29	26	23	23	23	23	
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21	21	21	21	
8	56	44	36	31	52	41	34	29	36	30	26	31	27	24	27	23	21	19	19	19	19	
9	52	40	32	27	48	38	31	26	33	28	24	29	24	21	25	21	19	17	17	17	17	
10	49	37	29	25	45	35	28	24	31	25	21	27	22	19	23	20	17	15	15	15	15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10656	10656	10656	10656
5°	12361	10689	9447	10689
10°	14623	10642	8432	10642
15°	16891	10543	7245	10543
20°	18806	10408	6552	10408
25°	19414	10276	6083	10276
30°	16995	10113	5800	10113
35°	13230	9875	5629	9875
40°	9921	9601	5538	9601
45°	7833	9162	5489	9162
50°	6612	8657	5330	8657
55°	5764	8099	5046	8099
60°	5186	7522	4466	7522
65°	4571	6898	3840	6898
70°	4116	6253	3465	6253
75°	3450	5540	2954	5540
80°	2920	4723	2771	4723
85°	2464	3696	2464	3696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	2.1
10°-20°	385.8	6.3
20°-30°	603.4	9.8
30°-40°	670.8	10.9
40°-50°	595.2	9.7
50°-60°	463.8	7.5
60°-70°	303.6	4.9
70°-80°	149.3	2.4
80°-90°	39.9	0.6
90°-100°	66.7	1.1
100°-110°	197.5	3.2
110°-120°	335.2	5.5
120°-130°	442.0	7.2
130°-140°	496.4	8.1
140°-150°	487.8	7.9
150°-160°	410.3	6.7
160°-170°	273.0	4.4
170°-180°	95.6	1.6
0°-30°	1117.1	18.2
0°-40°	1787.9	29.1
0°-60°	2846.9	46.3
0°-90°	3339.7	54.4
90°-120°	599.4	9.8
90°-150°	2025.7	33.0
90°-180°	2805.0	45.7
0°-180°	6144.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1320	1320	1320	1320	1320	
5°	1525	1319	1166	1319	1525	154
15°	2021	1262	867	1262	2021	575
25°	2180	1154	683	1154	2180	967
35°	1342	1002	571	1002	1342	841
45°	686	802	481	802	686	543
55°	410	575	358	575	410	372
65°	239	361	201	361	239	241
75°	111	178	95	178	111	122
85°	27	40	27	40	27	31
90°	24	2	24	2	24	13
95°	62	47	62	47	62	64
105°	191	182	191	182	191	201
115°	338	341	338	341	338	334
125°	492	496	492	496	492	439
135°	641	640	641	640	641	495
145°	779	778	779	778	779	487
155°	890	891	890	891	890	410
165°	968	970	968	970	968	273
175°	1005	1009	1005	1009	1005	95
180°	1011	1011	1011	1011	1011	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1392.3	1396.2	1392.3	1391.9	1387.7	1386.4	1384.7	1379.2	1368.9	1363.0	1364.3
5°	1525.3	1538.6	1531.2	1530.1	1518.4	1506.7	1499.2	1482.2	1464.1	1451.9	1441.8
7.5°	1679.1	1686.8	1682.1	1674.6	1655.7	1645.0	1627.7	1605.3	1572.9	1548.1	1525.4
10°	1783.8	1790.2	1788.0	1774.2	1760.4	1732.2	1716.2	1684.9	1643.9	1611.5	1581.2
12.5°	1886.7	1893.6	1874.8	1875.5	1849.3	1827.1	1801.8	1762.3	1715.0	1673.2	1635.2
15°	2021.0	2012.5	2012.5	2001.8	1972.6	1941.7	1915.7	1874.2	1814.6	1764.6	1712.0
17.5°	2126.1	2129.0	2124.7	2099.6	2076.6	2044.7	1996.9	1948.5	1893.2	1826.1	1772.3
20°	2189.0	2189.0	2184.3	2167.2	2137.5	2103.4	2051.8	1999.2	1929.0	1861.4	1800.8
22.5°	2214.6	2216.3	2210.6	2196.6	2169.8	2136.6	2092.7	2039.2	1966.8	1890.8	1815.7
25°	2179.5	2189.6	2190.6	2186.9	2178.9	2158.7	2121.0	2066.2	2001.3	1918.9	1838.0
27.5°	2001.0	2013.7	2024.9	2043.3	2067.8	2080.5	2082.2	2054.4	1997.8	1918.4	1837.1
30°	1823.1	1833.8	1868.3	1913.5	1948.7	1980.6	2008.2	2015.7	1983.8	1912.5	1826.9
32.5°	1625.7	1640.2	1674.8	1723.4	1781.9	1835.9	1898.0	1929.7	1928.9	1886.1	1806.9
35°	1342.4	1353.0	1384.9	1436.0	1506.2	1586.5	1684.9	1761.4	1813.6	1809.8	1761.4
37.5°	1082.6	1094.6	1126.9	1169.2	1237.3	1336.7	1431.9	1537.4	1633.8	1687.9	1671.8
40°	941.4	941.9	973.3	1016.9	1080.7	1167.4	1271.1	1388.1	1495.5	1583.3	1600.3
42.5°	829.9	830.0	850.7	897.7	943.7	1025.3	1124.3	1240.5	1366.2	1467.6	1512.7
45°	686.1	690.9	707.9	736.1	772.2	841.4	920.6	1028.6	1169.5	1289.7	1364.7
47.5°	581.0	588.0	598.8	621.8	650.6	696.7	762.2	859.2	973.9	1106.1	1212.8
50°	526.5	527.6	541.4	554.2	579.2	615.9	673.3	754.1	859.4	986.6	1105.2
52.5°	479.7	479.5	487.8	504.0	524.3	552.9	599.3	672.9	766.3	880.2	1002.6
55°	409.5	412.2	418.6	431.3	446.7	467.0	503.6	559.0	632.4	729.7	840.8
57.5°	356.1	357.5	362.5	367.9	382.1	396.8	424.3	462.7	524.6	604.3	707.9
60°	321.2	321.8	323.4	331.3	342.5	356.3	374.9	407.4	459.5	532.4	614.3
62.5°	287.2	288.1	290.6	296.4	305.1	314.6	334.1	360.2	403.3	465.6	539.4
65°	239.3	239.9	243.6	245.7	252.6	261.1	275.5	293.0	322.8	374.9	430.8
67.5°	200.0	200.0	200.2	203.1	207.8	213.5	222.1	236.1	258.6	290.6	339.8
70°	174.4	174.4	175.5	177.1	179.8	184.5	189.3	200.0	216.5	242.5	280.3
72.5°	150.6	151.0	152.1	152.4	153.8	157.7	161.3	168.1	180.3	200.0	230.5
75°	110.6	112.2	114.9	117.0	119.7	119.1	122.9	127.1	130.8	142.5	160.1
77.5°	82.3	81.5	81.8	83.6	83.9	84.5	87.1	90.4	93.2	98.7	105.0
80°	62.8	62.8	64.4	64.9	64.4	64.9	67.5	69.1	70.2	72.3	78.2
82.5°	47.4	48.3	47.8	48.3	48.6	49.1	51.4	51.7	52.8	53.6	56.1
85°	26.6	27.1	27.7	26.6	26.6	26.6	27.7	28.2	29.3	28.7	29.8
87.5°	14.1	13.6	13.9	13.8	14.2	13.6	13.9	14.5	13.4	13.7	13.4
90°	23.5	23.1	22.8	22.4	22.1	21.4	20.3	19.3	18.2	17.2	15.8
92.5°	34.7	34.5	34.3	34.1	33.9	33.5	32.8	32.2	31.6	31.0	30.0
95°	61.8	61.8	61.8	61.8	61.8	61.5	61.0	60.5	59.9	59.4	58.2
97.5°	96.8	96.8	96.8	96.8	96.8	96.5	95.8	95.2	94.6	94.0	92.5
100°	121.2	121.2	121.2	121.2	121.2	121.0	120.7	120.3	120.0	119.6	118.0
102.5°	148.7	148.6	148.4	148.3	148.1	147.8	147.3	146.9	146.4	145.9	144.5
105°	190.8	190.2	189.7	189.2	188.7	188.1	187.6	187.1	186.6	186.1	185.4
107.5°	231.7	231.8	231.8	231.8	231.9	231.6	231.1	230.7	230.2	229.7	229.6
110°	261.1	260.6	260.1	259.6	259.0	258.9	259.3	259.6	260.0	260.3	260.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	291.1	291.0	290.9	290.8	290.7	290.7	290.8	290.8	290.9	291.0	291.3
115°	337.7	337.9	338.1	338.3	338.4	338.6	338.8	338.9	339.1	339.3	339.6
117.5°	382.1	382.5	382.8	383.2	383.5	384.0	384.6	385.2	385.8	386.4	386.6
120°	415.9	415.6	415.2	414.9	414.5	414.8	415.6	416.5	417.4	418.3	418.8
122.5°	444.1	444.7	445.3	445.9	446.6	447.2	447.8	448.3	448.9	449.5	449.8
125°	492.5	492.9	493.2	493.6	493.9	494.3	494.6	495.0	495.3	495.7	495.8
127.5°	537.4	537.7	538.0	538.2	538.5	538.8	539.2	539.5	539.9	540.2	540.5
130°	566.8	567.5	568.2	568.9	569.6	570.1	570.4	570.8	571.1	571.5	571.5
132.5°	598.1	598.3	598.6	598.9	599.2	599.5	599.8	600.2	600.5	600.9	601.0
135°	641.1	641.6	642.1	642.6	643.1	643.6	643.9	644.3	644.6	645.0	645.0
137.5°	686.3	686.1	686.0	685.9	685.8	686.0	686.5	686.9	687.4	687.8	687.5
140°	713.8	713.9	714.1	714.3	714.5	714.6	714.8	715.0	715.2	715.3	715.3
142.5°	741.3	741.3	741.4	741.4	741.4	741.5	741.5	741.5	741.6	741.6	741.7
145°	778.7	779.2	779.7	780.2	780.7	781.1	781.3	781.4	781.6	781.8	781.6
147.5°	816.5	816.7	816.8	817.0	817.2	817.3	817.5	817.6	817.8	817.9	818.0
150°	839.6	839.8	840.0	840.2	840.3	840.4	840.4	840.4	840.4	840.4	840.4
152.5°	860.9	861.4	861.8	862.3	862.7	862.7	862.3	861.9	861.5	861.1	860.9
155°	890.5	891.1	891.8	892.5	893.2	893.2	892.5	891.8	891.1	890.5	890.6
157.5°	916.9	917.5	918.1	918.7	919.2	919.3	918.8	918.2	917.7	917.2	917.2
160°	931.9	932.8	933.6	934.5	935.4	935.5	935.0	934.5	934.0	933.5	933.6
162.5°	947.5	948.4	949.3	950.1	951.0	951.0	950.0	949.1	948.2	947.2	947.4
165°	967.9	968.5	969.2	969.9	970.6	970.5	969.4	968.4	967.3	966.3	966.6
167.5°	982.4	983.5	984.5	985.6	986.7	986.7	985.7	984.6	983.6	982.5	982.5
170°	990.5	991.7	993.0	994.2	995.4	995.5	994.4	993.4	992.3	991.3	991.1
172.5°	997.4	998.6	999.8	1001.1	1002.3	1002.3	1001.1	999.9	998.7	997.6	997.5
175°	1004.6	1005.8	1007.0	1008.2	1009.5	1009.5	1008.2	1007.0	1005.8	1004.6	1004.8
177.5°	1008.3	1009.5	1010.6	1011.7	1012.8	1012.9	1011.9	1010.9	1009.9	1009.0	1009.0
180°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1360.0	1354.1	1351.1	1344.3	1336.2	1331.9	1328.1	1322.6	1315.3	1307.7	1302.1
5°	1429.0	1416.3	1400.3	1381.2	1364.2	1347.7	1333.3	1319.0	1302.5	1285.4	1268.4
7.5°	1499.9	1474.8	1447.7	1416.3	1385.8	1358.0	1332.5	1308.0	1280.3	1255.6	1233.0
10°	1549.2	1515.2	1477.4	1437.6	1397.7	1363.1	1329.1	1298.2	1264.2	1233.9	1208.3
12.5°	1589.2	1549.2	1503.8	1454.1	1406.2	1364.4	1325.2	1285.0	1246.3	1213.4	1179.4
15°	1655.6	1600.8	1539.7	1480.1	1417.9	1361.0	1308.3	1261.5	1217.4	1171.1	1138.7
17.5°	1701.2	1636.2	1561.9	1490.3	1416.8	1349.7	1289.0	1233.2	1182.3	1135.0	1096.4
20°	1728.5	1656.7	1574.2	1492.9	1410.4	1338.6	1273.2	1211.5	1158.9	1107.8	1067.9
22.5°	1743.8	1664.3	1574.2	1489.0	1403.6	1325.9	1254.1	1189.8	1132.5	1081.4	1037.3
25°	1748.7	1663.6	1571.6	1473.7	1380.1	1297.7	1223.2	1153.6	1089.7	1038.7	991.9
27.5°	1741.9	1641.7	1547.4	1447.0	1350.4	1263.5	1185.4	1112.2	1048.3	993.5	945.5
30°	1731.7	1624.2	1523.2	1418.9	1321.1	1237.6	1155.1	1084.9	1018.5	961.6	913.2
32.5°	1709.5	1603.0	1494.2	1387.5	1288.3	1202.3	1124.1	1053.5	988.3	930.1	878.7
35°	1665.7	1557.8	1439.7	1330.1	1232.8	1143.4	1070.1	1002.0	939.8	877.5	823.3
37.5°	1608.0	1497.7	1380.2	1260.2	1162.8	1078.5	1011.1	947.2	886.5	829.7	769.6
40°	1553.5	1453.0	1331.7	1212.6	1112.6	1031.2	969.0	911.0	849.9	793.5	733.4
42.5°	1487.5	1401.9	1279.4	1159.8	1061.1	982.7	924.8	868.1	812.4	757.8	695.1
45°	1377.5	1312.6	1197.7	1082.8	983.4	905.7	852.5	802.5	753.6	701.5	642.5
47.5°	1251.3	1207.4	1108.2	990.6	898.6	828.7	777.3	736.5	695.1	643.0	591.2
50°	1163.7	1135.5	1039.7	932.3	844.6	780.2	727.6	689.3	654.7	604.7	558.4
52.5°	1070.1	1055.1	974.2	871.5	786.7	723.6	678.6	644.2	609.2	567.7	524.4
55°	927.5	935.5	866.9	778.1	698.3	645.1	604.2	575.4	545.7	510.6	477.1
57.5°	781.8	810.9	764.9	686.9	612.1	563.0	532.2	508.0	483.0	453.9	425.3
60°	694.6	719.0	693.0	624.4	559.0	513.2	484.5	465.9	440.9	414.3	392.5
62.5°	609.5	635.7	620.2	564.8	504.1	464.7	439.4	422.1	403.5	380.3	357.6
65°	502.6	519.6	512.2	473.9	430.8	397.3	373.9	361.1	344.1	327.1	306.9
67.5°	384.9	417.8	413.5	393.1	355.9	329.7	314.4	303.1	287.6	275.0	261.2
70°	316.4	346.8	346.2	329.7	309.5	285.1	274.4	264.9	251.0	238.8	227.6
72.5°	259.0	286.8	290.9	278.3	264.4	245.9	235.7	229.1	215.7	207.3	198.3
75°	181.4	201.6	206.9	206.9	200.5	190.9	181.9	177.6	168.1	160.6	155.3
77.5°	118.9	131.7	140.0	141.9	142.9	139.7	132.2	129.2	121.9	119.2	114.1
80°	84.0	92.5	102.1	105.3	108.0	106.9	103.7	101.6	94.7	92.0	89.9
82.5°	58.1	62.8	70.6	77.6	76.9	79.7	76.9	75.2	70.0	69.0	66.9
85°	30.3	30.8	31.9	36.7	39.4	40.4	41.0	39.9	38.3	38.3	34.6
87.5°	13.1	12.4	13.0	12.6	12.7	14.0	14.9	14.9	14.0	13.1	12.3
90°	14.4	13.0	11.6	10.0	8.1	6.2	4.3	2.3	4.3	6.2	8.1
92.5°	29.0	28.0	27.1	25.5	23.3	21.1	18.9	16.7	18.9	21.1	23.3
95°	57.0	55.8	54.6	53.2	51.6	50.0	48.5	46.9	48.5	50.0	51.6
97.5°	91.1	89.7	88.3	86.9	85.7	84.4	83.2	81.9	83.2	84.4	85.7
100°	116.5	114.9	113.4	112.2	111.5	110.8	110.1	109.5	110.1	110.8	111.5
102.5°	143.0	141.6	140.2	139.3	139.1	138.8	138.5	138.2	138.5	138.8	139.1
105°	184.7	184.0	183.3	182.9	182.7	182.5	182.3	182.2	182.3	182.5	182.7
107.5°	229.5	229.4	229.3	229.1	228.9	228.7	228.5	228.3	228.5	228.7	228.9
110°	260.7	260.9	261.0	260.9	260.6	260.2	259.9	259.6	259.9	260.2	260.6



TEST NUMBER: P332938

CATALOG NUMBER: SA4XXRDIP-C795D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	291.6	291.9	292.2	292.4	292.3	292.2	292.1	292.1	292.1	292.2	292.3
115°	340.0	340.3	340.7	340.9	340.9	340.9	340.9	340.9	340.9	340.9	340.9
117.5°	386.8	387.1	387.3	387.4	387.2	387.1	387.0	386.8	387.0	387.1	387.2
120°	419.3	419.8	420.3	420.3	419.6	418.9	418.2	417.5	418.2	418.9	419.6
122.5°	450.0	450.3	450.5	450.5	450.2	449.9	449.6	449.4	449.6	449.9	450.2
125°	496.0	496.2	496.3	496.4	496.4	496.4	496.4	496.4	496.4	496.4	496.4
127.5°	540.8	541.0	541.3	541.2	540.7	540.2	539.6	539.1	539.6	540.2	540.7
130°	571.5	571.5	571.5	571.2	570.7	570.2	569.7	569.1	569.7	570.2	570.7
132.5°	601.2	601.3	601.4	601.3	600.9	600.6	600.2	599.8	600.2	600.6	600.9
135°	645.0	645.0	645.0	644.5	643.4	642.4	641.3	640.3	641.3	642.4	643.4
137.5°	687.3	687.0	686.7	686.3	685.8	685.3	684.9	684.4	684.9	685.3	685.8
140°	715.3	715.3	715.3	715.2	714.8	714.5	714.1	713.8	714.1	714.5	714.8
142.5°	741.9	742.0	742.2	742.1	741.7	741.4	741.0	740.7	741.0	741.4	741.7
145°	781.4	781.3	781.1	780.7	780.0	779.3	778.6	777.9	778.6	779.3	780.0
147.5°	818.2	818.3	818.5	818.1	817.3	816.4	815.6	814.8	815.6	816.4	817.3
150°	840.4	840.4	840.4	840.1	839.4	838.7	838.0	837.3	838.0	838.7	839.4
152.5°	860.8	860.6	860.5	860.2	859.8	859.4	859.0	858.6	859.0	859.4	859.8
155°	890.8	891.0	891.1	891.2	891.2	891.2	891.2	891.2	891.2	891.2	891.2
157.5°	917.3	917.3	917.3	917.5	917.8	918.1	918.4	918.8	918.4	918.1	917.8
160°	933.8	934.0	934.1	934.3	934.5	934.7	934.8	935.0	934.8	934.7	934.5
162.5°	947.6	947.7	947.9	948.2	948.7	949.1	949.6	950.0	949.6	949.1	948.7
165°	967.0	967.3	967.7	968.1	968.6	969.2	969.7	970.2	969.7	969.2	968.6
167.5°	982.5	982.4	982.4	982.8	983.5	984.2	984.9	985.7	984.9	984.2	983.5
170°	991.0	990.8	990.6	991.0	991.8	992.7	993.6	994.4	993.6	992.7	991.8
172.5°	997.5	997.5	997.4	997.8	998.5	999.2	1000.0	1000.7	1000.0	999.2	998.5
175°	1004.9	1005.1	1005.3	1005.8	1006.7	1007.5	1008.4	1009.3	1008.4	1007.5	1006.7
177.5°	1009.0	1009.0	1009.0	1009.3	1010.0	1010.7	1011.4	1012.1	1011.4	1010.7	1010.0
180°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8



TEST NUMBER: P332938

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1296.2	1291.9	1286.4	1280.0	1272.4	1265.6	1262.6	1265.1	1266.4	1263.0	1262.6
5°	1256.7	1243.4	1232.8	1216.8	1204.1	1193.4	1186.0	1182.8	1183.9	1175.4	1173.2
7.5°	1212.4	1196.6	1179.2	1160.3	1142.6	1127.0	1118.8	1114.3	1105.3	1101.4	1094.9
10°	1183.9	1162.6	1145.6	1123.2	1103.0	1084.4	1075.4	1067.9	1058.9	1054.6	1045.6
12.5°	1154.5	1129.8	1111.1	1087.9	1067.3	1044.8	1036.2	1022.4	1008.3	999.3	987.7
15°	1113.1	1083.4	1060.5	1032.8	1008.4	982.8	960.0	934.4	924.9	904.7	893.0
17.5°	1064.7	1034.5	1006.2	969.1	931.4	899.7	875.3	850.8	836.2	823.3	817.3
20°	1032.8	1005.2	965.8	922.7	880.7	845.6	825.9	810.0	794.0	785.0	778.6
22.5°	1002.6	967.3	921.6	875.1	833.1	805.6	788.9	772.5	759.6	751.0	742.4
25°	952.0	905.7	857.3	804.1	775.4	751.5	733.4	720.1	712.1	701.0	696.7
27.5°	900.0	843.9	790.5	754.8	724.9	703.0	687.2	677.2	667.1	660.0	654.5
30°	860.0	803.1	755.2	721.2	690.9	672.8	660.0	648.3	640.3	634.5	630.2
32.5°	820.4	763.5	723.3	686.7	662.8	645.1	631.5	622.8	616.5	609.0	606.4
35°	763.2	712.7	677.6	644.6	620.1	604.2	593.5	584.5	579.2	577.0	575.4
37.5°	708.2	666.8	629.1	602.0	580.2	567.7	555.1	550.7	547.0	543.2	544.9
40°	673.3	634.5	601.0	572.3	554.7	540.9	533.4	528.1	524.9	524.9	524.9
42.5°	643.1	605.1	572.5	546.7	529.2	517.5	509.2	504.7	503.6	503.2	505.8
45°	596.2	561.1	528.1	506.8	491.9	480.2	475.5	471.7	471.7	473.9	474.4
47.5°	549.7	516.8	490.4	466.5	452.9	445.6	441.4	439.5	439.7	441.9	444.3
50°	521.2	488.8	462.7	441.4	428.7	421.7	418.0	417.0	418.0	418.0	421.7
52.5°	490.1	461.1	435.5	417.6	403.1	396.6	394.6	393.1	393.8	395.5	397.1
55°	444.6	418.6	394.1	377.1	366.4	362.2	357.4	357.9	356.9	357.9	357.9
57.5°	399.0	375.6	352.8	339.3	330.0	323.8	318.6	320.1	318.5	318.3	317.4
60°	369.6	344.1	326.0	313.8	303.1	297.8	293.0	294.1	292.5	291.4	289.3
62.5°	337.7	316.4	299.2	287.4	278.9	272.7	267.9	266.9	263.2	259.5	254.9
65°	291.4	273.9	258.5	247.3	239.3	234.5	230.8	227.6	219.6	211.1	206.9
67.5°	246.5	233.8	219.4	210.0	203.5	197.2	190.1	184.7	177.2	172.5	169.9
70°	217.5	205.3	193.1	184.0	177.1	171.3	163.3	159.6	154.2	152.1	149.4
72.5°	189.9	178.5	167.1	158.9	151.6	147.0	140.7	137.0	134.7	133.8	131.2
75°	147.9	138.8	130.3	122.9	117.0	113.8	111.2	108.5	107.4	102.6	100.0
77.5°	107.9	101.9	96.6	91.3	87.1	85.0	79.9	76.8	75.0	72.8	72.2
80°	84.0	79.8	74.5	71.3	65.4	63.3	61.2	60.6	60.1	59.6	59.0
82.5°	63.2	58.9	53.6	51.7	50.1	48.8	47.5	47.0	46.5	46.8	46.7
85°	31.9	29.8	29.8	29.3	28.7	28.2	27.7	27.7	27.1	27.7	27.1
87.5°	12.6	12.5	12.8	12.2	12.9	13.2	13.0	13.2	13.9	13.2	13.3
90°	10.0	11.6	13.0	14.4	15.8	17.2	18.2	19.3	20.3	21.4	22.1
92.5°	25.5	27.1	28.0	29.0	30.0	31.0	31.6	32.2	32.8	33.5	33.9
95°	53.2	54.6	55.8	57.0	58.2	59.4	59.9	60.5	61.0	61.5	61.8
97.5°	86.9	88.3	89.7	91.1	92.5	94.0	94.6	95.2	95.8	96.5	96.8
100°	112.2	113.4	114.9	116.5	118.0	119.6	120.0	120.3	120.7	121.0	121.2
102.5°	139.3	140.2	141.6	143.0	144.5	145.9	146.4	146.9	147.3	147.8	148.1
105°	182.9	183.3	184.0	184.7	185.4	186.1	186.6	187.1	187.6	188.1	188.7
107.5°	229.1	229.3	229.4	229.5	229.6	229.7	230.2	230.7	231.1	231.6	231.9
110°	260.9	261.0	260.9	260.7	260.5	260.3	260.0	259.6	259.3	258.9	259.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	292.4	292.2	291.9	291.6	291.3	291.0	290.9	290.8	290.8	290.7	290.7
115°	340.9	340.7	340.3	340.0	339.6	339.3	339.1	338.9	338.8	338.6	338.4
117.5°	387.4	387.3	387.1	386.8	386.6	386.4	385.8	385.2	384.6	384.0	383.5
120°	420.3	420.3	419.8	419.3	418.8	418.3	417.4	416.5	415.6	414.8	414.5
122.5°	450.5	450.5	450.3	450.0	449.8	449.5	448.9	448.3	447.8	447.2	446.6
125°	496.4	496.3	496.2	496.0	495.8	495.7	495.3	495.0	494.6	494.3	493.9
127.5°	541.2	541.3	541.0	540.8	540.5	540.2	539.9	539.5	539.2	538.8	538.5
130°	571.2	571.5	571.5	571.5	571.5	571.5	571.1	570.8	570.4	570.1	569.6
132.5°	601.3	601.4	601.3	601.2	601.0	600.9	600.5	600.2	599.8	599.5	599.2
135°	644.5	645.0	645.0	645.0	645.0	645.0	644.6	644.3	643.9	643.6	643.1
137.5°	686.3	686.7	687.0	687.3	687.5	687.8	687.4	686.9	686.5	686.0	685.8
140°	715.2	715.3	715.3	715.3	715.3	715.3	715.2	715.0	714.8	714.6	714.5
142.5°	742.1	742.2	742.0	741.9	741.7	741.6	741.6	741.5	741.5	741.5	741.4
145°	780.7	781.1	781.3	781.4	781.6	781.8	781.6	781.4	781.3	781.1	780.7
147.5°	818.1	818.5	818.3	818.2	818.0	817.9	817.8	817.6	817.5	817.3	817.2
150°	840.1	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.4	840.3
152.5°	860.2	860.5	860.6	860.8	860.9	861.1	861.5	861.9	862.3	862.7	862.7
155°	891.2	891.1	891.0	890.8	890.6	890.5	891.1	891.8	892.5	893.2	893.2
157.5°	917.5	917.3	917.3	917.3	917.2	917.2	917.7	918.2	918.8	919.3	919.2
160°	934.3	934.1	934.0	933.8	933.6	933.5	934.0	934.5	935.0	935.5	935.4
162.5°	948.2	947.9	947.7	947.6	947.4	947.2	948.2	949.1	950.0	951.0	951.0
165°	968.1	967.7	967.3	967.0	966.6	966.3	967.3	968.4	969.4	970.5	970.6
167.5°	982.8	982.4	982.4	982.5	982.5	982.5	983.6	984.6	985.7	986.7	986.7
170°	991.0	990.6	990.8	991.0	991.1	991.3	992.3	993.4	994.4	995.5	995.4
172.5°	997.8	997.4	997.5	997.5	997.5	997.6	998.7	999.9	1001.1	1002.3	1002.3
175°	1005.8	1005.3	1005.1	1004.9	1004.8	1004.6	1005.8	1007.0	1008.2	1009.5	1009.5
177.5°	1009.3	1009.0	1009.0	1009.0	1009.0	1009.0	1009.9	1010.9	1011.9	1012.9	1012.8
180°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8



TEST NUMBER: P332938

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1260.0	1260.9	1257.9	1257.0	1257.9	1260.9	1260.0	1262.6	1263.0	1266.4	1265.1
5°	1169.0	1167.9	1165.3	1165.8	1165.3	1167.9	1169.0	1173.2	1175.4	1183.9	1182.8
7.5°	1091.1	1087.0	1088.1	1083.9	1088.1	1087.0	1091.1	1094.9	1101.4	1105.3	1114.3
10°	1043.5	1037.6	1032.8	1028.6	1032.8	1037.6	1043.5	1045.6	1054.6	1058.9	1067.9
12.5°	978.4	973.4	966.9	968.2	966.9	973.4	978.4	987.7	999.3	1008.3	1022.4
15°	886.0	878.1	865.3	866.9	865.3	878.1	886.0	893.0	904.7	924.9	934.4
17.5°	807.9	808.0	802.1	803.5	802.1	808.0	807.9	817.3	823.3	836.2	850.8
20°	767.4	763.7	764.2	762.7	764.2	763.7	767.4	778.6	785.0	794.0	810.0
22.5°	739.4	734.8	731.1	727.8	731.1	734.8	739.4	742.4	751.0	759.6	772.5
25°	691.9	688.7	683.9	682.9	683.9	688.7	691.9	696.7	701.0	712.1	720.1
27.5°	650.2	649.6	647.7	645.2	647.7	649.6	650.2	654.5	660.0	667.1	677.2
30°	626.0	624.9	623.8	622.2	623.8	624.9	626.0	630.2	634.5	640.3	648.3
32.5°	604.3	603.6	602.6	602.7	602.6	603.6	604.3	606.4	609.0	616.5	622.8
35°	573.3	572.8	571.7	571.2	571.7	572.8	573.3	575.4	577.0	579.2	584.5
37.5°	544.4	545.8	545.1	545.0	545.1	545.8	544.4	544.9	543.2	547.0	550.7
40°	524.4	524.9	526.0	525.5	526.0	524.9	524.4	524.9	524.9	524.9	528.1
42.5°	507.8	507.9	509.4	507.6	509.4	507.9	507.8	505.8	503.2	503.6	504.7
45°	478.1	481.3	480.8	480.8	480.8	481.3	478.1	474.4	473.9	471.7	471.7
47.5°	445.7	448.4	449.2	449.1	449.2	448.4	445.7	444.3	441.9	439.7	439.5
50°	424.4	423.3	424.9	424.4	424.9	423.3	424.4	421.7	418.0	418.0	417.0
52.5°	398.5	398.7	398.6	398.0	398.6	398.7	398.5	397.1	395.5	393.8	393.1
55°	358.5	359.0	357.9	358.5	357.9	359.0	358.5	357.9	357.9	356.9	357.9
57.5°	315.1	312.5	313.6	312.3	313.6	312.5	315.1	317.4	318.3	318.5	320.1
60°	284.0	279.7	278.7	276.6	278.7	279.7	284.0	289.3	291.4	292.5	294.1
62.5°	249.1	246.1	242.5	244.2	242.5	246.1	249.1	254.9	259.5	263.2	266.9
65°	202.6	200.5	198.9	201.0	198.9	200.5	202.6	206.9	211.1	219.6	227.6
67.5°	167.7	166.6	166.6	165.5	166.6	166.6	167.7	169.9	172.5	177.2	184.7
70°	149.4	147.9	147.9	146.8	147.9	147.9	149.4	149.4	152.1	154.2	159.6
72.5°	130.7	129.1	129.6	128.9	129.6	129.1	130.7	131.2	133.8	134.7	137.0
75°	96.8	94.1	94.1	94.7	94.1	94.1	96.8	100.0	102.6	107.4	108.5
77.5°	72.2	71.7	72.4	71.5	72.4	71.7	72.2	72.2	72.8	75.0	76.8
80°	59.0	58.5	58.0	59.6	58.0	58.5	59.0	59.0	59.6	60.1	60.6
82.5°	45.8	45.7	45.6	47.7	45.6	45.7	45.8	46.7	46.8	46.5	47.0
85°	27.7	26.6	27.7	26.6	27.7	26.6	27.7	27.1	27.7	27.1	27.7
87.5°	14.3	13.9	13.6	14.1	13.6	13.9	14.3	13.3	13.2	13.9	13.2
90°	22.4	22.8	23.1	23.5	23.1	22.8	22.4	22.1	21.4	20.3	19.3
92.5°	34.1	34.3	34.5	34.7	34.5	34.3	34.1	33.9	33.5	32.8	32.2
95°	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.5	61.0	60.5
97.5°	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.5	95.8	95.2
100°	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.2	121.0	120.7	120.3
102.5°	148.3	148.4	148.6	148.7	148.6	148.4	148.3	148.1	147.8	147.3	146.9
105°	189.2	189.7	190.2	190.8	190.2	189.7	189.2	188.7	188.1	187.6	187.1
107.5°	231.8	231.8	231.8	231.7	231.8	231.8	231.8	231.9	231.6	231.1	230.7
110°	259.6	260.1	260.6	261.1	260.6	260.1	259.6	259.0	258.9	259.3	259.6



TEST NUMBER: P332938

CATALOG NUMBER: SA4XXRDIP-C795D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	290.8	290.9	291.0	291.1	291.0	290.9	290.8	290.7	290.7	290.8	290.8
115°	338.3	338.1	337.9	337.7	337.9	338.1	338.3	338.4	338.6	338.8	338.9
117.5°	383.2	382.8	382.5	382.1	382.5	382.8	383.2	383.5	384.0	384.6	385.2
120°	414.9	415.2	415.6	415.9	415.6	415.2	414.9	414.5	414.8	415.6	416.5
122.5°	445.9	445.3	444.7	444.1	444.7	445.3	445.9	446.6	447.2	447.8	448.3
125°	493.6	493.2	492.9	492.5	492.9	493.2	493.6	493.9	494.3	494.6	495.0
127.5°	538.2	538.0	537.7	537.4	537.7	538.0	538.2	538.5	538.8	539.2	539.5
130°	568.9	568.2	567.5	566.8	567.5	568.2	568.9	569.6	570.1	570.4	570.8
132.5°	598.9	598.6	598.3	598.1	598.3	598.6	598.9	599.2	599.5	599.8	600.2
135°	642.6	642.1	641.6	641.1	641.6	642.1	642.6	643.1	643.6	643.9	644.3
137.5°	685.9	686.0	686.1	686.3	686.1	686.0	685.9	685.8	686.0	686.5	686.9
140°	714.3	714.1	713.9	713.8	713.9	714.1	714.3	714.5	714.6	714.8	715.0
142.5°	741.4	741.4	741.3	741.3	741.3	741.4	741.4	741.4	741.5	741.5	741.5
145°	780.2	779.7	779.2	778.7	779.2	779.7	780.2	780.7	781.1	781.3	781.4
147.5°	817.0	816.8	816.7	816.5	816.7	816.8	817.0	817.2	817.3	817.5	817.6
150°	840.2	840.0	839.8	839.6	839.8	840.0	840.2	840.3	840.4	840.4	840.4
152.5°	862.3	861.8	861.4	860.9	861.4	861.8	862.3	862.7	862.7	862.3	861.9
155°	892.5	891.8	891.1	890.5	891.1	891.8	892.5	893.2	893.2	892.5	891.8
157.5°	918.7	918.1	917.5	916.9	917.5	918.1	918.7	919.2	919.3	918.8	918.2
160°	934.5	933.6	932.8	931.9	932.8	933.6	934.5	935.4	935.5	935.0	934.5
162.5°	950.1	949.3	948.4	947.5	948.4	949.3	950.1	951.0	951.0	950.0	949.1
165°	969.9	969.2	968.5	967.9	968.5	969.2	969.9	970.6	970.5	969.4	968.4
167.5°	985.6	984.5	983.5	982.4	983.5	984.5	985.6	986.7	986.7	985.7	984.6
170°	994.2	993.0	991.7	990.5	991.7	993.0	994.2	995.4	995.5	994.4	993.4
172.5°	1001.1	999.8	998.6	997.4	998.6	999.8	1001.1	1002.3	1002.3	1001.1	999.9
175°	1008.2	1007.0	1005.8	1004.6	1005.8	1007.0	1008.2	1009.5	1009.5	1008.2	1007.0
177.5°	1011.7	1010.6	1009.5	1008.3	1009.5	1010.6	1011.7	1012.8	1012.9	1011.9	1010.9
180°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8



TEST NUMBER: P332938

CATALOG NUMBER: SA4XXRDIP-C795D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1262.6	1265.6	1272.4	1280.0	1286.4	1291.9	1296.2	1302.1	1307.7	1315.3	1322.6
5°	1186.0	1193.4	1204.1	1216.8	1232.8	1243.4	1256.7	1268.4	1285.4	1302.5	1319.0
7.5°	1118.8	1127.0	1142.6	1160.3	1179.2	1196.6	1212.4	1233.0	1255.6	1280.3	1308.0
10°	1075.4	1084.4	1103.0	1123.2	1145.6	1162.6	1183.9	1208.3	1233.9	1264.2	1298.2
12.5°	1036.2	1044.8	1067.3	1087.9	1111.1	1129.8	1154.5	1179.4	1213.4	1246.3	1285.0
15°	960.0	982.8	1008.4	1032.8	1060.5	1083.4	1113.1	1138.7	1171.1	1217.4	1261.5
17.5°	875.3	899.7	931.4	969.1	1006.2	1034.5	1064.7	1096.4	1135.0	1182.3	1233.2
20°	825.9	845.6	880.7	922.7	965.8	1005.2	1032.8	1067.9	1107.8	1158.9	1211.5
22.5°	788.9	805.6	833.1	875.1	921.6	967.3	1002.6	1037.3	1081.4	1132.5	1189.8
25°	733.4	751.5	775.4	804.1	857.3	905.7	952.0	991.9	1038.7	1089.7	1153.6
27.5°	687.2	703.0	724.9	754.8	790.5	843.9	900.0	945.5	993.5	1048.3	1112.2
30°	660.0	672.8	690.9	721.2	755.2	803.1	860.0	913.2	961.6	1018.5	1084.9
32.5°	631.5	645.1	662.8	686.7	723.3	763.5	820.4	878.7	930.1	988.3	1053.5
35°	593.5	604.2	620.1	644.6	677.6	712.7	763.2	823.3	877.5	939.8	1002.0
37.5°	555.1	567.7	580.2	602.0	629.1	666.8	708.2	769.6	829.7	886.5	947.2
40°	533.4	540.9	554.7	572.3	601.0	634.5	673.3	733.4	793.5	849.9	911.0
42.5°	509.2	517.5	529.2	546.7	572.5	605.1	643.1	695.1	757.8	812.4	868.1
45°	475.5	480.2	491.9	506.8	528.1	561.1	596.2	642.5	701.5	753.6	802.5
47.5°	441.4	445.6	452.9	466.5	490.4	516.8	549.7	591.2	643.0	695.1	736.5
50°	418.0	421.7	428.7	441.4	462.7	488.8	521.2	558.4	604.7	654.7	689.3
52.5°	394.6	396.6	403.1	417.6	435.5	461.1	490.1	524.4	567.7	609.2	644.2
55°	357.4	362.2	366.4	377.1	394.1	418.6	444.6	477.1	510.6	545.7	575.4
57.5°	318.6	323.8	330.0	339.3	352.8	375.6	399.0	425.3	453.9	483.0	508.0
60°	293.0	297.8	303.1	313.8	326.0	344.1	369.6	392.5	414.3	440.9	465.9
62.5°	267.9	272.7	278.9	287.4	299.2	316.4	337.7	357.6	380.3	403.5	422.1
65°	230.8	234.5	239.3	247.3	258.5	273.9	291.4	306.9	327.1	344.1	361.1
67.5°	190.1	197.2	203.5	210.0	219.4	233.8	246.5	261.2	275.0	287.6	303.1
70°	163.3	171.3	177.1	184.0	193.1	205.3	217.5	227.6	238.8	251.0	264.9
72.5°	140.7	147.0	151.6	158.9	167.1	178.5	189.9	198.3	207.3	215.7	229.1
75°	111.2	113.8	117.0	122.9	130.3	138.8	147.9	155.3	160.6	168.1	177.6
77.5°	79.9	85.0	87.1	91.3	96.6	101.9	107.9	114.1	119.2	121.9	129.2
80°	61.2	63.3	65.4	71.3	74.5	79.8	84.0	89.9	92.0	94.7	101.6
82.5°	47.5	48.8	50.1	51.7	53.6	58.9	63.2	66.9	69.0	70.0	75.2
85°	27.7	28.2	28.7	29.3	29.8	29.8	31.9	34.6	38.3	38.3	39.9
87.5°	13.0	13.2	12.9	12.2	12.8	12.5	12.6	12.3	13.1	14.0	14.9
90°	18.2	17.2	15.8	14.4	13.0	11.6	10.0	8.1	6.2	4.3	2.3
92.5°	31.6	31.0	30.0	29.0	28.0	27.1	25.5	23.3	21.1	18.9	16.7
95°	59.9	59.4	58.2	57.0	55.8	54.6	53.2	51.6	50.0	48.5	46.9
97.5°	94.6	94.0	92.5	91.1	89.7	88.3	86.9	85.7	84.4	83.2	81.9
100°	120.0	119.6	118.0	116.5	114.9	113.4	112.2	111.5	110.8	110.1	109.5
102.5°	146.4	145.9	144.5	143.0	141.6	140.2	139.3	139.1	138.8	138.5	138.2
105°	186.6	186.1	185.4	184.7	184.0	183.3	182.9	182.7	182.5	182.3	182.2
107.5°	230.2	229.7	229.6	229.5	229.4	229.3	229.1	228.9	228.7	228.5	228.3
110°	260.0	260.3	260.5	260.7	260.9	261.0	260.9	260.6	260.2	259.9	259.6



TEST NUMBER: P332938

CATALOG NUMBER: SA4XXRDIP-C795D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	290.9	291.0	291.3	291.6	291.9	292.2	292.4	292.3	292.2	292.1	292.1
115°	339.1	339.3	339.6	340.0	340.3	340.7	340.9	340.9	340.9	340.9	340.9
117.5°	385.8	386.4	386.6	386.8	387.1	387.3	387.4	387.2	387.1	387.0	386.8
120°	417.4	418.3	418.8	419.3	419.8	420.3	420.3	419.6	418.9	418.2	417.5
122.5°	448.9	449.5	449.8	450.0	450.3	450.5	450.5	450.2	449.9	449.6	449.4
125°	495.3	495.7	495.8	496.0	496.2	496.3	496.4	496.4	496.4	496.4	496.4
127.5°	539.9	540.2	540.5	540.8	541.0	541.3	541.2	540.7	540.2	539.6	539.1
130°	571.1	571.5	571.5	571.5	571.5	571.5	571.2	570.7	570.2	569.7	569.1
132.5°	600.5	600.9	601.0	601.2	601.3	601.4	601.3	600.9	600.6	600.2	599.8
135°	644.6	645.0	645.0	645.0	645.0	645.0	644.5	643.4	642.4	641.3	640.3
137.5°	687.4	687.8	687.5	687.3	687.0	686.7	686.3	685.8	685.3	684.9	684.4
140°	715.2	715.3	715.3	715.3	715.3	715.3	715.2	714.8	714.5	714.1	713.8
142.5°	741.6	741.6	741.7	741.9	742.0	742.2	742.1	741.7	741.4	741.0	740.7
145°	781.6	781.8	781.6	781.4	781.3	781.1	780.7	780.0	779.3	778.6	777.9
147.5°	817.8	817.9	818.0	818.2	818.3	818.5	818.1	817.3	816.4	815.6	814.8
150°	840.4	840.4	840.4	840.4	840.4	840.4	840.1	839.4	838.7	838.0	837.3
152.5°	861.5	861.1	860.9	860.8	860.6	860.5	860.2	859.8	859.4	859.0	858.6
155°	891.1	890.5	890.6	890.8	891.0	891.1	891.2	891.2	891.2	891.2	891.2
157.5°	917.7	917.2	917.2	917.3	917.3	917.3	917.5	917.8	918.1	918.4	918.8
160°	934.0	933.5	933.6	933.8	934.0	934.1	934.3	934.5	934.7	934.8	935.0
162.5°	948.2	947.2	947.4	947.6	947.7	947.9	948.2	948.7	949.1	949.6	950.0
165°	967.3	966.3	966.6	967.0	967.3	967.7	968.1	968.6	969.2	969.7	970.2
167.5°	983.6	982.5	982.5	982.5	982.4	982.4	982.8	983.5	984.2	984.9	985.7
170°	992.3	991.3	991.1	991.0	990.8	990.6	991.0	991.8	992.7	993.6	994.4
172.5°	998.7	997.6	997.5	997.5	997.5	997.4	997.8	998.5	999.2	1000.0	1000.7
175°	1005.8	1004.6	1004.8	1004.9	1005.1	1005.3	1005.8	1006.7	1007.5	1008.4	1009.3
177.5°	1009.9	1009.0	1009.0	1009.0	1009.0	1009.0	1009.3	1010.0	1010.7	1011.4	1012.1
180°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8



TEST NUMBER: P332938

CATALOG NUMBER: SA4XXRDIP-C795D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1328.1	1331.9	1336.2	1344.3	1351.1	1354.1	1360.0	1364.3	1363.0	1368.9	1379.2
5°	1333.3	1347.7	1364.2	1381.2	1400.3	1416.3	1429.0	1441.8	1451.9	1464.1	1482.2
7.5°	1332.5	1358.0	1385.8	1416.3	1447.7	1474.8	1499.9	1525.4	1548.1	1572.9	1605.3
10°	1329.1	1363.1	1397.7	1437.6	1477.4	1515.2	1549.2	1581.2	1611.5	1643.9	1684.9
12.5°	1325.2	1364.4	1406.2	1454.1	1503.8	1549.2	1589.2	1635.2	1673.2	1715.0	1762.3
15°	1308.3	1361.0	1417.9	1480.1	1539.7	1600.8	1655.6	1712.0	1764.6	1814.6	1874.2
17.5°	1289.0	1349.7	1416.8	1490.3	1561.9	1636.2	1701.2	1772.3	1826.1	1893.2	1948.5
20°	1273.2	1338.6	1410.4	1492.9	1574.2	1656.7	1728.5	1800.8	1861.4	1929.0	1999.2
22.5°	1254.1	1325.9	1403.6	1489.0	1574.2	1664.3	1743.8	1815.7	1890.8	1966.8	2039.2
25°	1223.2	1297.7	1380.1	1473.7	1571.6	1663.6	1748.7	1838.0	1918.9	2001.3	2066.2
27.5°	1185.4	1263.5	1350.4	1447.0	1547.4	1641.7	1741.9	1837.1	1918.4	1997.8	2054.4
30°	1155.1	1237.6	1321.1	1418.9	1523.2	1624.2	1731.7	1826.9	1912.5	1983.8	2015.7
32.5°	1124.1	1202.3	1288.3	1387.5	1494.2	1603.0	1709.5	1806.9	1886.1	1928.9	1929.7
35°	1070.1	1143.4	1232.8	1330.1	1439.7	1557.8	1665.7	1761.4	1809.8	1813.6	1761.4
37.5°	1011.1	1078.5	1162.8	1260.2	1380.2	1497.7	1608.0	1671.8	1687.9	1633.8	1537.4
40°	969.0	1031.2	1112.6	1212.6	1331.7	1453.0	1553.5	1600.3	1583.3	1495.5	1388.1
42.5°	924.8	982.7	1061.1	1159.8	1279.4	1401.9	1487.5	1512.7	1467.6	1366.2	1240.5
45°	852.5	905.7	983.4	1082.8	1197.7	1312.6	1377.5	1364.7	1289.7	1169.5	1028.6
47.5°	777.3	828.7	898.6	990.6	1108.2	1207.4	1251.3	1212.8	1106.1	973.9	859.2
50°	727.6	780.2	844.6	932.3	1039.7	1135.5	1163.7	1105.2	986.6	859.4	754.1
52.5°	678.6	723.6	786.7	871.5	974.2	1055.1	1070.1	1002.6	880.2	766.3	672.9
55°	604.2	645.1	698.3	778.1	866.9	935.5	927.5	840.8	729.7	632.4	559.0
57.5°	532.2	563.0	612.1	686.9	764.9	810.9	781.8	707.9	604.3	524.6	462.7
60°	484.5	513.2	559.0	624.4	693.0	719.0	694.6	614.3	532.4	459.5	407.4
62.5°	439.4	464.7	504.1	564.8	620.2	635.7	609.5	539.4	465.6	403.3	360.2
65°	373.9	397.3	430.8	473.9	512.2	519.6	502.6	430.8	374.9	322.8	293.0
67.5°	314.4	329.7	355.9	393.1	413.5	417.8	384.9	339.8	290.6	258.6	236.1
70°	274.4	285.1	309.5	329.7	346.2	346.8	316.4	280.3	242.5	216.5	200.0
72.5°	235.7	245.9	264.4	278.3	290.9	286.8	259.0	230.5	200.0	180.3	168.1
75°	181.9	190.9	200.5	206.9	206.9	201.6	181.4	160.1	142.5	130.8	127.1
77.5°	132.2	139.7	142.9	141.9	140.0	131.7	118.9	105.0	98.7	93.2	90.4
80°	103.7	106.9	108.0	105.3	102.1	92.5	84.0	78.2	72.3	70.2	69.1
82.5°	76.9	79.7	76.9	77.6	70.6	62.8	58.1	56.1	53.6	52.8	51.7
85°	41.0	40.4	39.4	36.7	31.9	30.8	30.3	29.8	28.7	29.3	28.2
87.5°	14.9	14.0	12.7	12.6	13.0	12.4	13.1	13.4	13.7	13.4	14.5
90°	4.3	6.2	8.1	10.0	11.6	13.0	14.4	15.8	17.2	18.2	19.3
92.5°	18.9	21.1	23.3	25.5	27.1	28.0	29.0	30.0	31.0	31.6	32.2
95°	48.5	50.0	51.6	53.2	54.6	55.8	57.0	58.2	59.4	59.9	60.5
97.5°	83.2	84.4	85.7	86.9	88.3	89.7	91.1	92.5	94.0	94.6	95.2
100°	110.1	110.8	111.5	112.2	113.4	114.9	116.5	118.0	119.6	120.0	120.3
102.5°	138.5	138.8	139.1	139.3	140.2	141.6	143.0	144.5	145.9	146.4	146.9
105°	182.3	182.5	182.7	182.9	183.3	184.0	184.7	185.4	186.1	186.6	187.1
107.5°	228.5	228.7	228.9	229.1	229.3	229.4	229.5	229.6	229.7	230.2	230.7
110°	259.9	260.2	260.6	260.9	261.0	260.9	260.7	260.5	260.3	260.0	259.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	292.1	292.2	292.3	292.4	292.2	291.9	291.6	291.3	291.0	290.9	290.8
115°	340.9	340.9	340.9	340.9	340.7	340.3	340.0	339.6	339.3	339.1	338.9
117.5°	387.0	387.1	387.2	387.4	387.3	387.1	386.8	386.6	386.4	385.8	385.2
120°	418.2	418.9	419.6	420.3	420.3	419.8	419.3	418.8	418.3	417.4	416.5
122.5°	449.6	449.9	450.2	450.5	450.5	450.3	450.0	449.8	449.5	448.9	448.3
125°	496.4	496.4	496.4	496.4	496.3	496.2	496.0	495.8	495.7	495.3	495.0
127.5°	539.6	540.2	540.7	541.2	541.3	541.0	540.8	540.5	540.2	539.9	539.5
130°	569.7	570.2	570.7	571.2	571.5	571.5	571.5	571.5	571.5	571.1	570.8
132.5°	600.2	600.6	600.9	601.3	601.4	601.3	601.2	601.0	600.9	600.5	600.2
135°	641.3	642.4	643.4	644.5	645.0	645.0	645.0	645.0	645.0	644.6	644.3
137.5°	684.9	685.3	685.8	686.3	686.7	687.0	687.3	687.5	687.8	687.4	686.9
140°	714.1	714.5	714.8	715.2	715.3	715.3	715.3	715.3	715.3	715.2	715.0
142.5°	741.0	741.4	741.7	742.1	742.2	742.0	741.9	741.7	741.6	741.6	741.5
145°	778.6	779.3	780.0	780.7	781.1	781.3	781.4	781.6	781.8	781.6	781.4
147.5°	815.6	816.4	817.3	818.1	818.5	818.3	818.2	818.0	817.9	817.8	817.6
150°	838.0	838.7	839.4	840.1	840.4	840.4	840.4	840.4	840.4	840.4	840.4
152.5°	859.0	859.4	859.8	860.2	860.5	860.6	860.8	860.9	861.1	861.5	861.9
155°	891.2	891.2	891.2	891.2	891.1	891.0	890.8	890.6	890.5	891.1	891.8
157.5°	918.4	918.1	917.8	917.5	917.3	917.3	917.3	917.2	917.2	917.7	918.2
160°	934.8	934.7	934.5	934.3	934.1	934.0	933.8	933.6	933.5	934.0	934.5
162.5°	949.6	949.1	948.7	948.2	947.9	947.7	947.6	947.4	947.2	948.2	949.1
165°	969.7	969.2	968.6	968.1	967.7	967.3	967.0	966.6	966.3	967.3	968.4
167.5°	984.9	984.2	983.5	982.8	982.4	982.4	982.5	982.5	982.5	983.6	984.6
170°	993.6	992.7	991.8	991.0	990.6	990.8	991.0	991.1	991.3	992.3	993.4
172.5°	1000.0	999.2	998.5	997.8	997.4	997.5	997.5	997.5	997.6	998.7	999.9
175°	1008.4	1007.5	1006.7	1005.8	1005.3	1005.1	1004.9	1004.8	1004.6	1005.8	1007.0
177.5°	1011.4	1010.7	1010.0	1009.3	1009.0	1009.0	1009.0	1009.0	1009.0	1009.9	1010.9
180°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1384.7	1386.4	1387.7	1391.9	1392.3	1396.2	1392.3
5°	1499.2	1506.7	1518.4	1530.1	1531.2	1538.6	1525.3
7.5°	1627.7	1645.0	1655.7	1674.6	1682.1	1686.8	1679.1
10°	1716.2	1732.2	1760.4	1774.2	1788.0	1790.2	1783.8
12.5°	1801.8	1827.1	1849.3	1875.5	1874.8	1893.6	1886.7
15°	1915.7	1941.7	1972.6	2001.8	2012.5	2012.5	2021.0
17.5°	1996.9	2044.7	2076.6	2099.6	2124.7	2129.0	2126.1
20°	2051.8	2103.4	2137.5	2167.2	2184.3	2189.0	2189.0
22.5°	2092.7	2136.6	2169.8	2196.6	2210.6	2216.3	2214.6
25°	2121.0	2158.7	2178.9	2186.9	2190.6	2189.6	2179.5
27.5°	2082.2	2080.5	2067.8	2043.3	2024.9	2013.7	2001.0
30°	2008.2	1980.6	1948.7	1913.5	1868.3	1833.8	1823.1
32.5°	1898.0	1835.9	1781.9	1723.4	1674.8	1640.2	1625.7
35°	1684.9	1586.5	1506.2	1436.0	1384.9	1353.0	1342.4
37.5°	1431.9	1336.7	1237.3	1169.2	1126.9	1094.6	1082.6
40°	1271.1	1167.4	1080.7	1016.9	973.3	941.9	941.4
42.5°	1124.3	1025.3	943.7	897.7	850.7	830.0	829.9
45°	920.6	841.4	772.2	736.1	707.9	690.9	686.1
47.5°	762.2	696.7	650.6	621.8	598.8	588.0	581.0
50°	673.3	615.9	579.2	554.2	541.4	527.6	526.5
52.5°	599.3	552.9	524.3	504.0	487.8	479.5	479.7
55°	503.6	467.0	446.7	431.3	418.6	412.2	409.5
57.5°	424.3	396.8	382.1	367.9	362.5	357.5	356.1
60°	374.9	356.3	342.5	331.3	323.4	321.8	321.2
62.5°	334.1	314.6	305.1	296.4	290.6	288.1	287.2
65°	275.5	261.1	252.6	245.7	243.6	239.9	239.3
67.5°	222.1	213.5	207.8	203.1	200.2	200.0	200.0
70°	189.3	184.5	179.8	177.1	175.5	174.4	174.4
72.5°	161.3	157.7	153.8	152.4	152.1	151.0	150.6
75°	122.9	119.1	119.7	117.0	114.9	112.2	110.6
77.5°	87.1	84.5	83.9	83.6	81.8	81.5	82.3
80°	67.5	64.9	64.4	64.9	64.4	62.8	62.8
82.5°	51.4	49.1	48.6	48.3	47.8	48.3	47.4
85°	27.7	26.6	26.6	26.6	27.7	27.1	26.6
87.5°	13.9	13.6	14.2	13.8	13.9	13.6	14.1
90°	20.3	21.4	22.1	22.4	22.8	23.1	23.5
92.5°	32.8	33.5	33.9	34.1	34.3	34.5	34.7
95°	61.0	61.5	61.8	61.8	61.8	61.8	61.8
97.5°	95.8	96.5	96.8	96.8	96.8	96.8	96.8
100°	120.7	121.0	121.2	121.2	121.2	121.2	121.2
102.5°	147.3	147.8	148.1	148.3	148.4	148.6	148.7
105°	187.6	188.1	188.7	189.2	189.7	190.2	190.8
107.5°	231.1	231.6	231.9	231.8	231.8	231.8	231.7
110°	259.3	258.9	259.0	259.6	260.1	260.6	261.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	290.8	290.7	290.7	290.8	290.9	291.0	291.1
115°	338.8	338.6	338.4	338.3	338.1	337.9	337.7
117.5°	384.6	384.0	383.5	383.2	382.8	382.5	382.1
120°	415.6	414.8	414.5	414.9	415.2	415.6	415.9
122.5°	447.8	447.2	446.6	445.9	445.3	444.7	444.1
125°	494.6	494.3	493.9	493.6	493.2	492.9	492.5
127.5°	539.2	538.8	538.5	538.2	538.0	537.7	537.4
130°	570.4	570.1	569.6	568.9	568.2	567.5	566.8
132.5°	599.8	599.5	599.2	598.9	598.6	598.3	598.1
135°	643.9	643.6	643.1	642.6	642.1	641.6	641.1
137.5°	686.5	686.0	685.8	685.9	686.0	686.1	686.3
140°	714.8	714.6	714.5	714.3	714.1	713.9	713.8
142.5°	741.5	741.5	741.4	741.4	741.4	741.3	741.3
145°	781.3	781.1	780.7	780.2	779.7	779.2	778.7
147.5°	817.5	817.3	817.2	817.0	816.8	816.7	816.5
150°	840.4	840.4	840.3	840.2	840.0	839.8	839.6
152.5°	862.3	862.7	862.7	862.3	861.8	861.4	860.9
155°	892.5	893.2	893.2	892.5	891.8	891.1	890.5
157.5°	918.8	919.3	919.2	918.7	918.1	917.5	916.9
160°	935.0	935.5	935.4	934.5	933.6	932.8	931.9
162.5°	950.0	951.0	951.0	950.1	949.3	948.4	947.5
165°	969.4	970.5	970.6	969.9	969.2	968.5	967.9
167.5°	985.7	986.7	986.7	985.6	984.5	983.5	982.4
170°	994.4	995.5	995.4	994.2	993.0	991.7	990.5
172.5°	1001.1	1002.3	1002.3	1001.1	999.8	998.6	997.4
175°	1008.2	1009.5	1009.5	1008.2	1007.0	1005.8	1004.6
177.5°	1011.9	1012.9	1012.8	1011.7	1010.6	1009.5	1008.3
180°	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8	1010.8

(END OF REPORT)