

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: P332951-935

Luminaire Tested: **SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P332951-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A4
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6579.4 lumens
Efficiency: N/A
Efficacy: 115.6 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

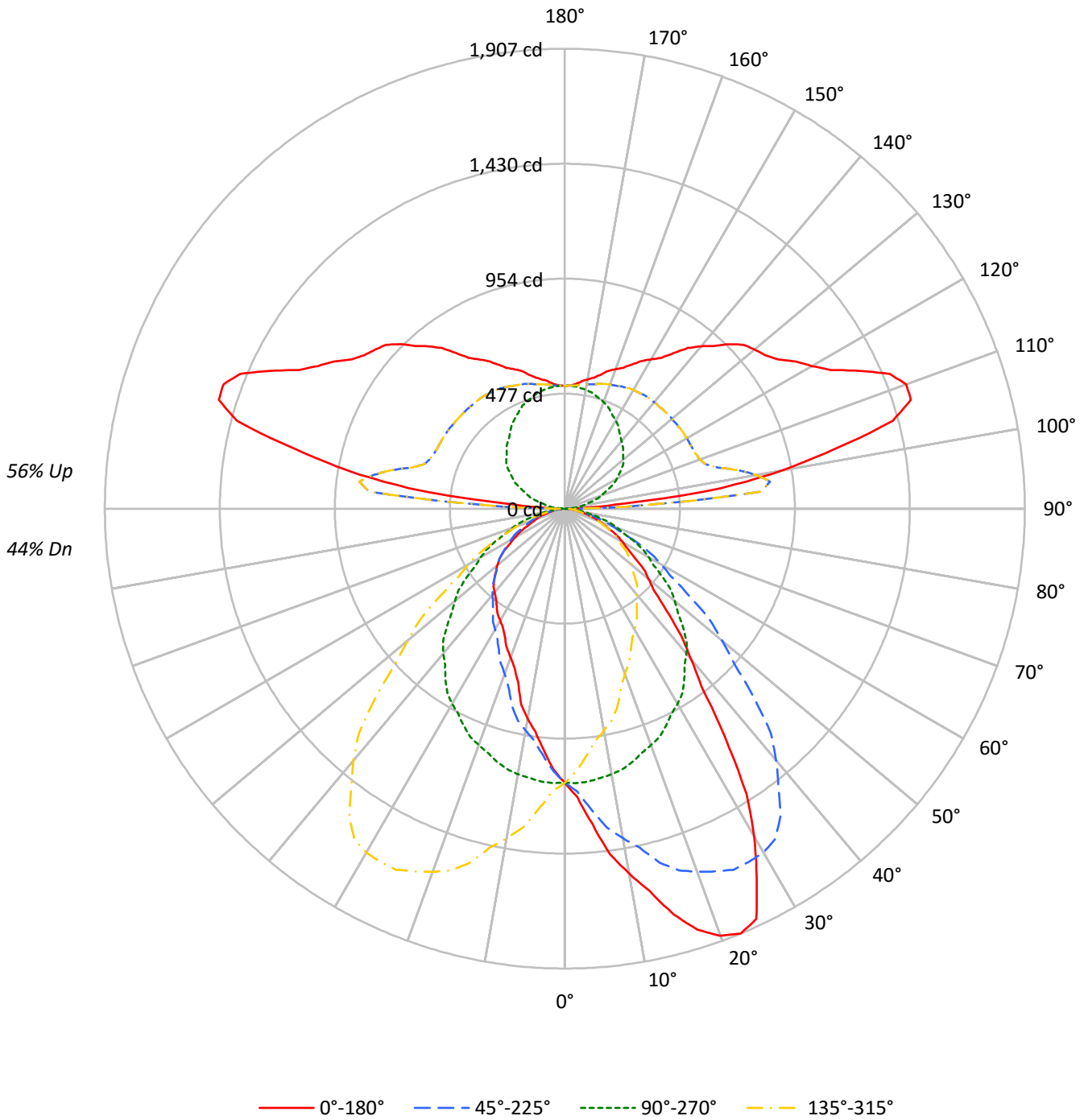
Input Watts (W): 56.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44				
1	97	93	89	86	88	85	82	79	71	68	66	57	56	54	45	44	43	38				
2	88	81	75	71	81	75	70	65	62	59	56	51	48	46	40	39	37	32				
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	64	56	50	68	59	52	47	49	44	40	40	37	34	32	30	28	24				
5	68	57	49	43	62	53	46	40	44	39	35	36	33	30	29	27	24	21				
6	63	51	43	38	57	47	40	35	40	35	31	33	29	26	27	24	22	19				
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	24	22	19	17				
8	54	42	34	29	49	39	32	28	33	28	24	28	24	21	22	20	17	15				
9	50	38	31	26	46	36	29	25	30	25	22	25	21	19	21	18	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	23	20	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9175	9175	9175	9175
5°	10643	9203	8135	9203
10°	12591	9163	7260	9163
15°	14543	9078	6238	9078
20°	16192	8961	5642	8961
25°	16715	8847	5238	8847
30°	14632	8708	4994	8708
35°	11391	8502	4847	8502
40°	8541	8266	4769	8266
45°	6744	7889	4727	7889
50°	5693	7454	4589	7454
55°	4963	6973	4345	6973
60°	4466	6476	3846	6476
65°	3935	5939	3307	5939
70°	3545	5384	2984	5384
75°	2969	4769	2542	4769
80°	2515	4068	2385	4068
85°	2121	3186	2121	3186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	1.7
10°-20°	332.2	5.0
20°-30°	519.5	7.9
30°-40°	577.6	8.8
40°-50°	512.4	7.8
50°-60°	399.3	6.1
60°-70°	261.4	4.0
70°-80°	128.6	2.0
80°-90°	34.5	0.5
90°-100°	367.8	5.6
100°-110°	765.5	11.6
110°-120°	685.7	10.4
120°-130°	576.8	8.8
130°-140°	480.9	7.3
140°-150°	367.4	5.6
150°-160°	258.2	3.9
160°-170°	151.9	2.3
170°-180°	49.4	0.8
0°-30°	961.8	14.6
0°-40°	1539.4	23.4
0°-60°	2451.2	37.3
0°-90°	2875.7	43.7
90°-120°	1819.0	27.6
90°-150°	3244.1	49.3
90°-180°	3704.0	56.3
0°-180°	6579.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1136	1136	1136	1136	1136	
5°	1313	1136	1004	1136	1313	133
15°	1740	1086	746	1086	1740	495
25°	1876	993	588	993	1876	832
35°	1156	863	492	863	1156	724
45°	591	691	414	691	591	468
55°	353	495	309	495	353	321
65°	206	311	173	311	206	207
75°	95	153	82	153	95	105
85°	23	34	23	34	23	26
90°	21	1	21	1	21	18
95°	244	33	244	33	244	379
105°	1408	117	1408	117	1408	1392
115°	1352	206	1352	206	1352	1342
125°	1078	287	1078	287	1078	980
135°	964	341	964	341	964	744
145°	787	393	787	393	787	499
155°	659	447	659	447	659	308
165°	575	487	575	487	575	165
175°	518	508	518	508	518	50
180°	509	509	509	509	509	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1198.8	1202.1	1198.8	1198.4	1194.8	1193.7	1192.2	1187.5	1178.6	1173.5	1174.7
5°	1313.3	1324.7	1318.4	1317.4	1307.3	1297.3	1290.8	1276.2	1260.6	1250.1	1241.4
7.5°	1445.7	1452.3	1448.3	1441.8	1425.6	1416.3	1401.4	1382.2	1354.3	1332.9	1313.4
10°	1535.9	1541.4	1539.5	1527.6	1515.7	1491.4	1477.6	1450.7	1415.4	1387.5	1361.4
12.5°	1624.4	1630.4	1614.2	1614.8	1592.2	1573.1	1551.3	1517.3	1476.6	1440.6	1407.9
15°	1740.1	1732.8	1732.8	1723.5	1698.4	1671.8	1649.4	1613.7	1562.4	1519.3	1474.0
17.5°	1830.6	1833.1	1829.4	1807.8	1788.0	1760.5	1719.3	1677.7	1630.0	1572.3	1526.0
20°	1884.7	1884.7	1880.7	1866.0	1840.4	1811.0	1766.6	1721.3	1660.9	1602.7	1550.5
22.5°	1906.8	1908.2	1903.3	1891.3	1868.2	1839.6	1801.8	1755.8	1693.4	1628.0	1563.3
25°	1876.5	1885.2	1886.1	1882.9	1876.0	1858.6	1826.2	1779.0	1723.1	1652.2	1582.5
27.5°	1722.9	1733.8	1743.4	1759.3	1780.4	1791.3	1792.8	1768.8	1720.1	1651.7	1581.7
30°	1569.7	1578.9	1608.6	1647.5	1677.8	1705.3	1729.1	1735.5	1708.1	1646.7	1573.0
32.5°	1399.7	1412.2	1442.0	1483.8	1534.2	1580.7	1634.2	1661.5	1660.8	1623.9	1555.7
35°	1155.8	1164.9	1192.4	1236.4	1296.8	1366.0	1450.7	1516.6	1561.5	1558.2	1516.6
37.5°	932.1	942.5	970.3	1006.7	1065.3	1150.9	1232.9	1323.7	1406.7	1453.3	1439.4
40°	810.5	811.0	838.0	875.6	930.5	1005.1	1094.4	1195.2	1287.6	1363.2	1377.9
42.5°	714.5	714.6	732.5	772.9	812.5	882.8	968.0	1068.1	1176.3	1263.6	1302.4
45°	590.7	594.9	609.5	633.8	664.9	724.4	792.6	885.6	1006.9	1110.4	1175.0
47.5°	500.2	506.3	515.6	535.4	560.2	599.9	656.3	739.8	838.5	952.4	1044.2
50°	453.3	454.3	466.1	477.2	498.7	530.3	579.7	649.3	739.9	849.5	951.6
52.5°	413.0	412.8	420.0	433.9	451.4	476.0	516.0	579.4	659.8	757.9	863.2
55°	352.6	354.9	360.4	371.3	384.6	402.1	433.6	481.3	544.5	628.3	723.9
57.5°	306.6	307.8	312.1	316.8	329.0	341.6	365.3	398.4	451.7	520.3	609.5
60°	276.6	277.1	278.4	285.2	294.9	306.8	322.8	350.8	395.6	458.4	528.9
62.5°	247.3	248.1	250.2	255.2	262.7	270.9	287.7	310.1	347.2	400.9	464.4
65°	206.0	206.6	209.7	211.5	217.5	224.8	237.2	252.3	277.9	322.8	370.9
67.5°	172.2	172.2	172.4	174.9	178.9	183.8	191.2	203.3	222.7	250.2	292.6
70°	150.2	150.2	151.1	152.5	154.8	158.9	163.0	172.2	186.4	208.8	241.3
72.5°	129.7	130.0	131.0	131.2	132.4	135.8	138.9	144.7	155.2	172.2	198.5
75°	95.2	96.6	98.9	100.7	103.1	102.5	105.8	109.4	112.6	122.7	137.8
77.5°	70.9	70.2	70.4	72.0	72.2	72.8	75.0	77.8	80.2	85.0	90.4
80°	54.1	54.1	55.4	55.9	55.4	55.9	58.1	59.5	60.4	62.3	67.3
82.5°	40.8	41.6	41.2	41.6	41.8	42.3	44.3	44.5	45.5	46.1	48.3
85°	22.9	23.3	23.8	22.9	22.9	22.9	23.8	24.3	25.2	24.7	25.7
87.5°	12.2	11.9	12.5	12.2	12.4	12.1	12.2	12.7	11.8	12.4	12.0
90°	21.0	21.0	22.0	21.0	20.0	20.0	19.0	18.0	17.0	18.0	16.0
92.5°	77.1	77.1	80.4	85.8	97.6	117.7	147.8	196.5	264.3	317.4	277.8
95°	244.1	257.1	275.2	306.2	355.2	452.2	586.3	741.3	838.4	815.4	615.3
97.5°	652.6	673.3	703.4	763.5	835.4	939.9	1037.7	1095.4	1053.3	858.8	575.8
100°	917.5	925.5	955.5	1016.5	1103.5	1177.6	1226.6	1206.6	1060.5	804.3	522.3
102.5°	1148.0	1154.3	1185.9	1230.2	1283.6	1314.4	1300.2	1201.0	1000.5	736.3	486.2
105°	1407.6	1413.7	1427.7	1435.7	1433.7	1392.7	1293.7	1120.5	891.4	656.3	455.2
107.5°	1504.2	1501.5	1491.5	1468.7	1419.3	1330.1	1190.6	1006.3	803.4	611.5	449.6
110°	1505.7	1496.8	1478.7	1436.7	1365.6	1255.6	1110.5	937.5	759.4	596.3	451.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1458.5	1443.9	1418.7	1367.9	1287.2	1177.2	1040.1	887.0	734.5	589.1	456.0
115°	1351.7	1343.7	1311.6	1251.6	1172.6	1076.5	959.5	836.4	711.4	585.3	465.2
117.5°	1243.4	1237.2	1204.8	1154.3	1086.9	1005.5	913.4	811.6	700.9	584.3	475.0
120°	1182.6	1171.6	1145.6	1101.6	1044.5	973.4	893.5	800.4	695.3	584.3	482.2
122.5°	1134.5	1123.5	1101.6	1063.9	1015.7	953.5	880.6	790.7	689.0	583.5	489.5
125°	1078.5	1072.5	1053.5	1024.5	984.5	929.4	860.4	774.4	678.3	582.3	500.2
127.5°	1045.7	1039.7	1023.7	997.9	957.7	905.4	836.6	754.3	664.1	580.1	508.9
130°	1026.5	1020.5	1004.4	979.5	938.5	885.5	817.4	738.4	655.3	579.3	515.2
132.5°	1004.9	998.8	983.7	955.5	915.2	862.2	795.8	721.5	647.3	578.5	520.8
135°	964.5	958.5	942.5	914.5	874.4	824.4	763.4	698.4	635.3	577.3	529.3
137.5°	914.5	907.2	894.1	866.4	829.0	783.8	732.4	677.3	624.9	577.0	534.3
140°	878.4	870.4	856.4	834.4	799.4	757.3	712.3	665.3	619.3	576.3	538.3
142.5°	840.0	834.4	822.0	801.6	770.6	734.2	695.5	654.1	614.5	576.3	541.5
145°	787.4	782.4	772.4	755.4	730.4	702.3	672.4	638.3	606.3	574.3	543.3
147.5°	740.7	739.0	731.3	716.8	698.4	676.3	652.3	625.3	598.9	570.7	544.2
150°	714.4	713.3	707.3	694.3	678.3	660.3	640.3	617.3	593.3	568.3	544.2
152.5°	690.3	689.3	685.7	675.1	661.5	646.7	628.3	608.5	586.9	564.3	542.7
155°	659.4	659.4	656.3	648.3	638.3	626.3	611.3	595.3	577.3	558.3	540.3
157.5°	632.1	632.1	630.3	624.3	616.7	607.1	594.5	581.1	567.5	552.1	537.7
160°	615.3	615.3	614.3	608.3	602.3	594.3	583.2	572.3	560.3	547.3	535.3
162.5°	599.3	600.1	599.1	593.1	588.7	581.5	572.9	563.4	553.9	542.4	532.9
165°	575.3	576.3	577.3	573.3	569.3	564.3	557.2	551.3	543.3	535.3	528.2
167.5°	556.3	557.1	557.2	554.7	552.7	549.7	544.1	539.5	533.6	528.1	523.5
170°	544.2	544.2	545.3	544.2	542.3	539.2	535.3	532.3	527.3	523.2	520.2
172.5°	532.3	533.8	534.9	533.8	532.6	530.5	528.1	525.8	521.7	518.4	517.0
175°	518.2	520.2	522.3	520.2	520.2	520.2	518.2	517.3	515.2	513.2	513.2
177.5°	510.1	511.6	513.2	512.5	513.2	512.5	512.5	511.6	510.8	510.1	510.1
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1171.0	1165.9	1163.3	1157.4	1150.5	1146.8	1143.5	1138.8	1132.5	1125.9	1121.1
5°	1230.4	1219.4	1205.7	1189.2	1174.6	1160.4	1148.0	1135.7	1121.5	1106.7	1092.1
7.5°	1291.4	1269.8	1246.5	1219.4	1193.2	1169.2	1147.3	1126.2	1102.3	1081.1	1061.6
10°	1333.9	1304.6	1272.0	1237.8	1203.4	1173.6	1144.4	1117.8	1088.5	1062.4	1040.3
12.5°	1368.3	1333.9	1294.8	1252.0	1210.7	1174.7	1141.0	1106.4	1073.1	1044.7	1015.5
15°	1425.5	1378.3	1325.7	1274.4	1220.8	1171.8	1126.4	1086.2	1048.2	1008.3	980.4
17.5°	1464.7	1408.8	1344.8	1283.1	1219.9	1162.1	1109.8	1061.8	1018.0	977.2	944.0
20°	1488.2	1426.4	1355.4	1285.4	1214.4	1152.5	1096.2	1043.1	997.8	953.8	919.5
22.5°	1501.4	1433.0	1355.4	1282.0	1208.5	1141.6	1079.8	1024.4	975.1	931.1	893.1
25°	1505.6	1432.4	1353.1	1268.9	1188.3	1117.3	1053.2	993.2	938.2	894.3	854.0
27.5°	1499.8	1413.5	1332.3	1245.9	1162.7	1087.9	1020.6	957.6	902.6	855.4	814.1
30°	1491.0	1398.4	1311.5	1221.7	1137.5	1065.6	994.5	934.1	876.9	827.9	786.3
32.5°	1471.9	1380.2	1286.5	1194.6	1109.2	1035.2	967.9	907.1	850.9	800.8	756.6
35°	1434.2	1341.3	1239.6	1145.2	1061.4	984.5	921.4	862.7	809.2	755.5	708.9
37.5°	1384.5	1289.5	1188.4	1085.0	1001.2	928.6	870.6	815.5	763.3	714.4	662.6
40°	1337.6	1251.0	1146.6	1044.0	957.9	887.9	834.3	784.4	731.8	683.2	631.5
42.5°	1280.7	1207.0	1101.6	998.6	913.6	846.1	796.3	747.4	699.5	652.5	598.5
45°	1186.0	1130.1	1031.2	932.3	846.7	779.8	734.0	691.0	648.8	604.0	553.2
47.5°	1077.4	1039.6	954.2	852.9	773.7	713.5	669.3	634.1	598.5	553.6	509.0
50°	1001.9	977.7	895.2	802.7	727.2	671.8	626.5	593.5	563.7	520.6	480.8
52.5°	921.4	908.4	838.8	750.4	677.3	623.0	584.3	554.7	524.5	488.8	451.5
55°	798.6	805.5	746.4	669.9	601.2	555.4	520.2	495.4	469.8	439.6	410.8
57.5°	673.1	698.2	658.6	591.4	527.0	484.7	458.2	437.4	415.9	390.8	366.2
60°	598.1	619.1	596.7	537.6	481.3	441.9	417.2	401.1	379.6	356.7	337.9
62.5°	524.8	547.3	534.0	486.3	434.0	400.1	378.3	363.4	347.4	327.4	307.9
65°	432.7	447.4	441.0	408.0	370.9	342.1	321.9	310.9	296.3	281.6	264.2
67.5°	331.4	359.7	356.0	338.5	306.4	283.9	270.7	261.0	247.6	236.8	224.9
70°	272.4	298.6	298.1	283.9	266.5	245.5	236.3	228.1	216.1	205.6	196.0
72.5°	223.0	246.9	250.5	239.6	227.6	211.7	202.9	197.3	185.7	178.5	170.7
75°	156.2	173.6	178.1	178.1	172.6	164.4	156.6	152.9	144.7	138.3	133.7
77.5°	102.4	113.4	120.5	122.2	123.0	120.3	113.8	111.2	105.0	102.6	98.2
80°	72.3	79.6	87.9	90.7	93.0	92.0	89.3	87.5	81.5	79.2	77.4
82.5°	50.0	54.1	60.8	66.8	66.2	68.6	66.2	64.7	60.3	59.4	57.6
85°	26.1	26.5	27.5	31.6	33.9	34.8	35.3	34.4	33.0	33.0	29.8
87.5°	11.6	11.2	10.8	10.8	10.9	12.2	12.7	12.7	12.0	11.5	10.6
90°	14.0	14.0	8.0	8.0	7.0	6.0	3.0	1.0	3.0	6.0	7.0
92.5°	202.1	124.5	73.6	52.9	38.2	26.0	16.6	11.4	16.6	26.0	38.2
95°	376.2	212.1	125.1	83.0	59.1	46.1	36.0	33.0	36.0	46.1	59.1
97.5°	338.2	202.7	135.7	100.5	79.8	67.8	59.2	59.2	59.2	67.8	79.8
100°	318.1	205.1	146.1	114.1	95.1	83.0	76.0	76.0	76.0	83.0	95.1
102.5°	312.5	213.1	159.7	129.2	111.1	99.9	93.7	92.0	93.7	99.9	111.1
105°	315.1	232.1	184.1	155.1	137.1	125.1	120.0	117.1	120.0	125.1	137.1
107.5°	329.9	254.3	210.3	181.7	164.5	151.7	146.6	144.6	146.6	151.7	164.5
110°	341.1	271.1	227.1	200.1	182.1	170.0	165.1	163.1	165.1	170.0	182.1



TEST NUMBER: P332951-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	353.2	287.1	244.7	217.7	199.7	188.5	182.7	180.7	182.7	188.5	199.7
115°	372.2	312.1	272.2	245.1	226.1	216.1	209.1	206.1	209.1	216.1	226.1
117.5°	391.6	336.4	298.3	270.4	252.5	241.5	235.3	232.5	235.3	241.5	252.5
120°	405.2	353.2	315.1	287.1	270.1	259.2	252.1	250.1	252.1	259.2	270.1
122.5°	418.0	369.2	331.1	303.9	285.3	275.2	268.1	266.1	268.1	275.2	285.3
125°	437.2	391.2	355.2	327.2	308.2	297.1	291.1	287.1	291.1	297.1	308.2
127.5°	453.8	411.6	376.8	348.5	328.7	316.2	308.9	305.7	308.9	316.2	328.7
130°	464.3	425.2	391.2	362.1	343.2	328.1	320.1	316.2	320.1	328.1	343.2
132.5°	474.7	436.4	402.4	375.0	354.4	340.2	329.8	326.6	329.8	340.2	354.4
135°	488.3	452.2	419.2	393.2	372.2	355.2	345.2	341.1	345.2	355.2	372.2
137.5°	497.8	464.3	433.4	408.6	386.8	370.6	359.6	355.8	359.6	370.6	386.8
140°	504.2	472.3	442.2	418.2	397.2	380.2	369.2	366.2	369.2	380.2	397.2
142.5°	509.0	479.4	450.2	427.0	406.8	390.5	380.4	377.4	380.4	390.5	406.8
145°	514.3	487.2	461.2	439.2	420.2	406.2	396.2	393.2	396.2	406.2	420.2
147.5°	518.8	495.2	470.8	451.0	435.2	420.8	412.0	411.0	412.0	420.8	435.2
150°	521.2	499.2	477.3	458.2	443.2	431.2	423.2	422.2	423.2	431.2	443.2
152.5°	522.9	502.5	482.8	465.5	452.0	440.8	432.8	432.6	432.8	440.8	452.0
155°	524.3	507.2	490.3	475.3	464.3	454.2	448.2	447.2	448.2	454.2	464.3
157.5°	524.3	510.7	496.3	484.4	474.8	467.0	461.4	461.4	461.4	467.0	474.8
160°	524.3	512.2	500.2	489.2	481.2	474.2	470.2	470.2	470.2	474.2	481.2
162.5°	524.3	513.8	502.7	494.0	486.8	480.6	477.4	478.2	477.4	480.6	486.8
165°	522.3	514.3	505.2	499.2	494.2	489.2	487.2	487.2	487.2	489.2	494.2
167.5°	519.9	514.0	507.5	502.8	500.1	496.3	495.2	496.3	495.2	496.3	500.1
170°	518.2	513.2	508.2	505.2	503.3	500.2	499.2	500.2	499.2	500.2	503.3
172.5°	516.7	512.5	509.0	506.9	505.7	503.4	503.3	504.2	503.3	503.4	505.7
175°	514.3	511.3	509.3	509.3	508.2	507.2	507.2	508.2	507.2	507.2	508.2
177.5°	511.6	510.1	509.3	509.3	509.3	508.4	509.3	510.1	509.3	508.4	509.3
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332951-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1116.0	1112.3	1107.6	1102.1	1095.5	1089.7	1087.1	1089.3	1090.4	1087.4	1087.1
5°	1082.0	1070.6	1061.4	1047.7	1036.7	1027.5	1021.1	1018.4	1019.3	1012.0	1010.1
7.5°	1043.9	1030.3	1015.3	999.0	983.8	970.3	963.3	959.4	951.7	948.3	942.7
10°	1019.3	1001.0	986.4	967.1	949.7	933.7	925.9	919.5	911.7	908.0	900.3
12.5°	994.0	972.8	956.7	936.7	918.9	899.6	892.2	880.3	868.1	860.4	850.4
15°	958.4	932.8	913.1	889.2	868.2	846.2	826.6	804.5	796.3	778.9	768.9
17.5°	916.7	890.7	866.3	834.4	801.9	774.6	753.6	732.5	720.0	708.9	703.7
20°	889.2	865.5	831.6	794.4	758.3	728.1	711.1	697.4	683.6	675.9	670.4
22.5°	863.2	832.8	793.5	753.5	717.3	693.6	679.2	665.1	654.0	646.6	639.2
25°	819.7	779.8	738.1	692.3	667.6	647.0	631.5	620.0	613.1	603.6	599.9
27.5°	774.9	726.6	680.6	649.9	624.1	605.3	591.7	583.1	574.4	568.3	563.5
30°	740.5	691.5	650.2	621.0	594.9	579.3	568.3	558.2	551.3	546.3	542.6
32.5°	706.4	657.4	622.8	591.2	570.7	555.4	543.7	536.2	530.8	524.3	522.1
35°	657.1	613.6	583.4	555.0	533.9	520.2	511.0	503.3	498.7	496.8	495.4
37.5°	609.8	574.1	541.7	518.3	499.6	488.8	477.9	474.2	471.0	467.7	469.2
40°	579.7	546.3	517.5	492.8	477.6	465.7	459.3	454.7	451.9	451.9	451.9
42.5°	553.7	521.0	492.9	470.7	455.6	445.6	438.4	434.5	433.6	433.3	435.5
45°	513.3	483.1	454.7	436.4	423.5	413.5	409.4	406.1	406.1	408.0	408.5
47.5°	473.3	445.0	422.2	401.7	389.9	383.7	380.0	378.4	378.6	380.5	382.5
50°	448.8	420.9	398.4	380.0	369.1	363.1	359.9	359.0	359.9	359.9	363.1
52.5°	422.0	397.0	375.0	359.6	347.1	341.5	339.8	338.5	339.1	340.5	341.9
55°	382.8	360.4	339.3	324.7	315.5	311.9	307.7	308.2	307.3	308.2	308.2
57.5°	343.5	323.4	303.8	292.1	284.1	278.8	274.3	275.6	274.2	274.1	273.3
60°	318.2	296.3	280.7	270.2	261.0	256.4	252.3	253.2	251.8	250.9	249.1
62.5°	290.8	272.4	257.6	247.5	240.1	234.8	230.7	229.8	226.6	223.4	219.5
65°	250.9	235.8	222.6	212.9	206.0	201.9	198.7	196.0	189.1	181.8	178.1
67.5°	212.2	201.3	188.9	180.8	175.2	169.8	163.7	159.0	152.6	148.5	146.3
70°	187.3	176.8	166.3	158.4	152.5	147.5	140.6	137.4	132.8	131.0	128.6
72.5°	163.5	153.7	143.9	136.8	130.5	126.6	121.1	118.0	116.0	115.2	113.0
75°	127.3	119.5	112.2	105.8	100.7	98.0	95.7	93.4	92.5	88.3	86.1
77.5°	92.9	87.7	83.2	78.6	75.0	73.2	68.8	66.1	64.6	62.7	62.2
80°	72.3	68.7	64.1	61.4	56.3	54.5	52.7	52.2	51.7	51.3	50.8
82.5°	54.4	50.7	46.1	44.5	43.1	42.0	40.9	40.5	40.0	40.3	40.2
85°	27.5	25.7	25.7	25.2	24.7	24.3	23.8	23.8	23.3	23.8	23.3
87.5°	10.8	10.4	11.6	10.8	11.6	12.1	11.5	11.6	12.2	11.7	11.7
90°	8.0	8.0	14.0	14.0	16.0	18.0	17.0	18.0	19.0	20.0	20.0
92.5°	52.9	73.6	124.5	202.1	277.8	317.4	264.3	196.5	147.8	117.7	97.6
95°	83.0	125.1	212.1	376.2	615.3	815.4	838.4	741.3	586.3	452.2	355.2
97.5°	100.5	135.7	202.7	338.2	575.8	858.8	1053.3	1095.4	1037.7	939.9	835.4
100°	114.1	146.1	205.1	318.1	522.3	804.3	1060.5	1206.6	1226.6	1177.6	1103.5
102.5°	129.2	159.7	213.1	312.5	486.2	736.3	1000.5	1201.0	1300.2	1314.4	1283.6
105°	155.1	184.1	232.1	315.1	455.2	656.3	891.4	1120.5	1293.7	1392.7	1433.7
107.5°	181.7	210.3	254.3	329.9	449.6	611.5	803.4	1006.3	1190.6	1330.1	1419.3
110°	200.1	227.1	271.1	341.1	451.3	596.3	759.4	937.5	1110.5	1255.6	1365.6



TEST NUMBER: P332951-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	217.7	244.7	287.1	353.2	456.0	589.1	734.5	887.0	1040.1	1177.2	1287.2
115°	245.1	272.2	312.1	372.2	465.2	585.3	711.4	836.4	959.5	1076.5	1172.6
117.5°	270.4	298.3	336.4	391.6	475.0	584.3	700.9	811.6	913.4	1005.5	1086.9
120°	287.1	315.1	353.2	405.2	482.2	584.3	695.3	800.4	893.5	973.4	1044.5
122.5°	303.9	331.1	369.2	418.0	489.5	583.5	689.0	790.7	880.6	953.5	1015.7
125°	327.2	355.2	391.2	437.2	500.2	582.3	678.3	774.4	860.4	929.4	984.5
127.5°	348.5	376.8	411.6	453.8	508.9	580.1	664.1	754.3	836.6	905.4	957.7
130°	362.1	391.2	425.2	464.3	515.2	579.3	655.3	738.4	817.4	885.5	938.5
132.5°	375.0	402.4	436.4	474.7	520.8	578.5	647.3	721.5	795.8	862.2	915.2
135°	393.2	419.2	452.2	488.3	529.3	577.3	635.3	698.4	763.4	824.4	874.4
137.5°	408.6	433.4	464.3	497.8	534.3	577.0	624.9	677.3	732.4	783.8	829.0
140°	418.2	442.2	472.3	504.2	538.3	576.3	619.3	665.3	712.3	757.3	799.4
142.5°	427.0	450.2	479.4	509.0	541.5	576.3	614.5	654.1	695.5	734.2	770.6
145°	439.2	461.2	487.2	514.3	543.3	574.3	606.3	638.3	672.4	702.3	730.4
147.5°	451.0	470.8	495.2	518.8	544.2	570.7	598.9	625.3	652.3	676.3	698.4
150°	458.2	477.3	499.2	521.2	544.2	568.3	593.3	617.3	640.3	660.3	678.3
152.5°	465.5	482.8	502.5	522.9	542.7	564.3	586.9	608.5	628.3	646.7	661.5
155°	475.3	490.3	507.2	524.3	540.3	558.3	577.3	595.3	611.3	626.3	638.3
157.5°	484.4	496.3	510.7	524.3	537.7	552.1	567.5	581.1	594.5	607.1	616.7
160°	489.2	500.2	512.2	524.3	535.3	547.3	560.3	572.3	583.2	594.3	602.3
162.5°	494.0	502.7	513.8	524.3	532.9	542.4	553.9	563.4	572.9	581.5	588.7
165°	499.2	505.2	514.3	522.3	528.2	535.3	543.3	551.3	557.2	564.3	569.3
167.5°	502.8	507.5	514.0	519.9	523.5	528.1	533.6	539.5	544.1	549.7	552.7
170°	505.2	508.2	513.2	518.2	520.2	523.2	527.3	532.3	535.3	539.2	542.3
172.5°	506.9	509.0	512.5	516.7	517.0	518.4	521.7	525.8	528.1	530.5	532.6
175°	509.3	509.3	511.3	514.3	513.2	513.2	515.2	517.3	518.2	520.2	520.2
177.5°	509.3	509.3	510.1	511.6	510.1	510.1	510.8	511.6	512.5	512.5	513.2
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332951-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1084.9	1085.6	1083.1	1082.3	1083.1	1085.6	1084.9	1087.1	1087.4	1090.4	1089.3
5°	1006.5	1005.6	1003.3	1003.8	1003.3	1005.6	1006.5	1010.1	1012.0	1019.3	1018.4
7.5°	939.4	935.9	936.9	933.2	936.9	935.9	939.4	942.7	948.3	951.7	959.4
10°	898.5	893.4	889.2	885.6	889.2	893.4	898.5	900.3	908.0	911.7	919.5
12.5°	842.4	838.1	832.5	833.6	832.5	838.1	842.4	850.4	860.4	868.1	880.3
15°	762.8	756.0	745.0	746.4	745.0	756.0	762.8	768.9	778.9	796.3	804.5
17.5°	695.6	695.7	690.6	691.8	690.6	695.7	695.6	703.7	708.9	720.0	732.5
20°	660.7	657.5	658.0	656.7	658.0	657.5	660.7	670.4	675.9	683.6	697.4
22.5°	636.6	632.7	629.5	626.6	629.5	632.7	636.6	639.2	646.6	654.0	665.1
25°	595.7	593.0	588.8	588.0	588.8	593.0	595.7	599.9	603.6	613.1	620.0
27.5°	559.8	559.3	557.7	555.5	557.7	559.3	559.8	563.5	568.3	574.4	583.1
30°	539.0	538.0	537.1	535.7	537.1	538.0	539.0	542.6	546.3	551.3	558.2
32.5°	520.3	519.7	518.8	518.9	518.8	519.7	520.3	522.1	524.3	530.8	536.2
35°	493.6	493.2	492.2	491.8	492.2	493.2	493.6	495.4	496.8	498.7	503.3
37.5°	468.7	469.9	469.3	469.2	469.3	469.9	468.7	469.2	467.7	471.0	474.2
40°	451.5	451.9	452.9	452.5	452.9	451.9	451.5	451.9	451.9	451.9	454.7
42.5°	437.2	437.3	438.6	437.0	438.6	437.3	437.2	435.5	433.3	433.6	434.5
45°	411.6	414.4	414.0	414.0	414.0	414.4	411.6	408.5	408.0	406.1	406.1
47.5°	383.7	386.1	386.8	386.7	386.8	386.1	383.7	382.5	380.5	378.6	378.4
50°	365.4	364.5	365.8	365.4	365.8	364.5	365.4	363.1	359.9	359.9	359.0
52.5°	343.1	343.3	343.2	342.7	343.2	343.3	343.1	341.9	340.5	339.1	338.5
55°	308.7	309.1	308.2	308.7	308.2	309.1	308.7	308.2	308.2	307.3	308.2
57.5°	271.3	269.1	270.0	268.9	270.0	269.1	271.3	273.3	274.1	274.2	275.6
60°	244.5	240.8	240.0	238.2	240.0	240.8	244.5	249.1	250.9	251.8	253.2
62.5°	214.5	211.9	208.8	210.3	208.8	211.9	214.5	219.5	223.4	226.6	229.8
65°	174.4	172.6	171.3	173.1	171.3	172.6	174.4	178.1	181.8	189.1	196.0
67.5°	144.4	143.4	143.4	142.5	143.4	143.4	144.4	146.3	148.5	152.6	159.0
70°	128.6	127.3	127.3	126.4	127.3	127.3	128.6	128.6	131.0	132.8	137.4
72.5°	112.5	111.2	111.6	111.0	111.6	111.2	112.5	113.0	115.2	116.0	118.0
75°	83.3	81.0	81.0	81.5	81.0	81.0	83.3	86.1	88.3	92.5	93.4
77.5°	62.2	61.7	62.3	61.6	62.3	61.7	62.2	62.2	62.7	64.6	66.1
80°	50.8	50.4	49.9	51.3	49.9	50.4	50.8	50.8	51.3	51.7	52.2
82.5°	39.4	39.3	39.3	41.1	39.3	39.3	39.4	40.2	40.3	40.0	40.5
85°	23.8	22.9	23.8	22.9	23.8	22.9	23.8	23.3	23.8	23.3	23.8
87.5°	12.7	12.5	11.9	12.2	11.9	12.5	12.7	11.7	11.7	12.2	11.6
90°	21.0	22.0	21.0	21.0	21.0	22.0	21.0	20.0	20.0	19.0	18.0
92.5°	85.8	80.4	77.1	77.1	77.1	80.4	85.8	97.6	117.7	147.8	196.5
95°	306.2	275.2	257.1	244.1	257.1	275.2	306.2	355.2	452.2	586.3	741.3
97.5°	763.5	703.4	673.3	652.6	673.3	703.4	763.5	835.4	939.9	1037.7	1095.4
100°	1016.5	955.5	925.5	917.5	925.5	955.5	1016.5	1103.5	1177.6	1226.6	1206.6
102.5°	1230.2	1185.9	1154.3	1148.0	1154.3	1185.9	1230.2	1283.6	1314.4	1300.2	1201.0
105°	1435.7	1427.7	1413.7	1407.6	1413.7	1427.7	1435.7	1433.7	1392.7	1293.7	1120.5
107.5°	1468.7	1491.5	1501.5	1504.2	1501.5	1491.5	1468.7	1419.3	1330.1	1190.6	1006.3
110°	1436.7	1478.7	1496.8	1505.7	1496.8	1478.7	1436.7	1365.6	1255.6	1110.5	937.5



TEST NUMBER: P332951-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1367.9	1418.7	1443.9	1458.5	1443.9	1418.7	1367.9	1287.2	1177.2	1040.1	887.0
115°	1251.6	1311.6	1343.7	1351.7	1343.7	1311.6	1251.6	1172.6	1076.5	959.5	836.4
117.5°	1154.3	1204.8	1237.2	1243.4	1237.2	1204.8	1154.3	1086.9	1005.5	913.4	811.6
120°	1101.6	1145.6	1171.6	1182.6	1171.6	1145.6	1101.6	1044.5	973.4	893.5	800.4
122.5°	1063.9	1101.6	1123.5	1134.5	1123.5	1101.6	1063.9	1015.7	953.5	880.6	790.7
125°	1024.5	1053.5	1072.5	1078.5	1072.5	1053.5	1024.5	984.5	929.4	860.4	774.4
127.5°	997.9	1023.7	1039.7	1045.7	1039.7	1023.7	997.9	957.7	905.4	836.6	754.3
130°	979.5	1004.4	1020.5	1026.5	1020.5	1004.4	979.5	938.5	885.5	817.4	738.4
132.5°	955.5	983.7	998.8	1004.9	998.8	983.7	955.5	915.2	862.2	795.8	721.5
135°	914.5	942.5	958.5	964.5	958.5	942.5	914.5	874.4	824.4	763.4	698.4
137.5°	866.4	894.1	907.2	914.5	907.2	894.1	866.4	829.0	783.8	732.4	677.3
140°	834.4	856.4	870.4	878.4	870.4	856.4	834.4	799.4	757.3	712.3	665.3
142.5°	801.6	822.0	834.4	840.0	834.4	822.0	801.6	770.6	734.2	695.5	654.1
145°	755.4	772.4	782.4	787.4	782.4	772.4	755.4	730.4	702.3	672.4	638.3
147.5°	716.8	731.3	739.0	740.7	739.0	731.3	716.8	698.4	676.3	652.3	625.3
150°	694.3	707.3	713.3	714.4	713.3	707.3	694.3	678.3	660.3	640.3	617.3
152.5°	675.1	685.7	689.3	690.3	689.3	685.7	675.1	661.5	646.7	628.3	608.5
155°	648.3	656.3	659.4	659.4	659.4	656.3	648.3	638.3	626.3	611.3	595.3
157.5°	624.3	630.3	632.1	632.1	632.1	630.3	624.3	616.7	607.1	594.5	581.1
160°	608.3	614.3	615.3	615.3	615.3	614.3	608.3	602.3	594.3	583.2	572.3
162.5°	593.1	599.1	600.1	599.3	600.1	599.1	593.1	588.7	581.5	572.9	563.4
165°	573.3	577.3	576.3	575.3	576.3	577.3	573.3	569.3	564.3	557.2	551.3
167.5°	554.7	557.2	557.1	556.3	557.1	557.2	554.7	552.7	549.7	544.1	539.5
170°	544.2	545.3	544.2	544.2	544.2	545.3	544.2	542.3	539.2	535.3	532.3
172.5°	533.8	534.9	533.8	532.3	533.8	534.9	533.8	532.6	530.5	528.1	525.8
175°	520.2	522.3	520.2	518.2	520.2	522.3	520.2	520.2	520.2	518.2	517.3
177.5°	512.5	513.2	511.6	510.1	511.6	513.2	512.5	513.2	512.5	512.5	511.6
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332951-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1087.1	1089.7	1095.5	1102.1	1107.6	1112.3	1116.0	1121.1	1125.9	1132.5	1138.8
5°	1021.1	1027.5	1036.7	1047.7	1061.4	1070.6	1082.0	1092.1	1106.7	1121.5	1135.7
7.5°	963.3	970.3	983.8	999.0	1015.3	1030.3	1043.9	1061.6	1081.1	1102.3	1126.2
10°	925.9	933.7	949.7	967.1	986.4	1001.0	1019.3	1040.3	1062.4	1088.5	1117.8
12.5°	892.2	899.6	918.9	936.7	956.7	972.8	994.0	1015.5	1044.7	1073.1	1106.4
15°	826.6	846.2	868.2	889.2	913.1	932.8	958.4	980.4	1008.3	1048.2	1086.2
17.5°	753.6	774.6	801.9	834.4	866.3	890.7	916.7	944.0	977.2	1018.0	1061.8
20°	711.1	728.1	758.3	794.4	831.6	865.5	889.2	919.5	953.8	997.8	1043.1
22.5°	679.2	693.6	717.3	753.5	793.5	832.8	863.2	893.1	931.1	975.1	1024.4
25°	631.5	647.0	667.6	692.3	738.1	779.8	819.7	854.0	894.3	938.2	993.2
27.5°	591.7	605.3	624.1	649.9	680.6	726.6	774.9	814.1	855.4	902.6	957.6
30°	568.3	579.3	594.9	621.0	650.2	691.5	740.5	786.3	827.9	876.9	934.1
32.5°	543.7	555.4	570.7	591.2	622.8	657.4	706.4	756.6	800.8	850.9	907.1
35°	511.0	520.2	533.9	555.0	583.4	613.6	657.1	708.9	755.5	809.2	862.7
37.5°	477.9	488.8	499.6	518.3	541.7	574.1	609.8	662.6	714.4	763.3	815.5
40°	459.3	465.7	477.6	492.8	517.5	546.3	579.7	631.5	683.2	731.8	784.4
42.5°	438.4	445.6	455.6	470.7	492.9	521.0	553.7	598.5	652.5	699.5	747.4
45°	409.4	413.5	423.5	436.4	454.7	483.1	513.3	553.2	604.0	648.8	691.0
47.5°	380.0	383.7	389.9	401.7	422.2	445.0	473.3	509.0	553.6	598.5	634.1
50°	359.9	363.1	369.1	380.0	398.4	420.9	448.8	480.8	520.6	563.7	593.5
52.5°	339.8	341.5	347.1	359.6	375.0	397.0	422.0	451.5	488.8	524.5	554.7
55°	307.7	311.9	315.5	324.7	339.3	360.4	382.8	410.8	439.6	469.8	495.4
57.5°	274.3	278.8	284.1	292.1	303.8	323.4	343.5	366.2	390.8	415.9	437.4
60°	252.3	256.4	261.0	270.2	280.7	296.3	318.2	337.9	356.7	379.6	401.1
62.5°	230.7	234.8	240.1	247.5	257.6	272.4	290.8	307.9	327.4	347.4	363.4
65°	198.7	201.9	206.0	212.9	222.6	235.8	250.9	264.2	281.6	296.3	310.9
67.5°	163.7	169.8	175.2	180.8	188.9	201.3	212.2	224.9	236.8	247.6	261.0
70°	140.6	147.5	152.5	158.4	166.3	176.8	187.3	196.0	205.6	216.1	228.1
72.5°	121.1	126.6	130.5	136.8	143.9	153.7	163.5	170.7	178.5	185.7	197.3
75°	95.7	98.0	100.7	105.8	112.2	119.5	127.3	133.7	138.3	144.7	152.9
77.5°	68.8	73.2	75.0	78.6	83.2	87.7	92.9	98.2	102.6	105.0	111.2
80°	52.7	54.5	56.3	61.4	64.1	68.7	72.3	77.4	79.2	81.5	87.5
82.5°	40.9	42.0	43.1	44.5	46.1	50.7	54.4	57.6	59.4	60.3	64.7
85°	23.8	24.3	24.7	25.2	25.7	25.7	27.5	29.8	33.0	33.0	34.4
87.5°	11.5	12.1	11.6	10.8	11.6	10.4	10.8	10.6	11.5	12.0	12.7
90°	17.0	18.0	16.0	14.0	14.0	8.0	8.0	7.0	6.0	3.0	1.0
92.5°	264.3	317.4	277.8	202.1	124.5	73.6	52.9	38.2	26.0	16.6	11.4
95°	838.4	815.4	615.3	376.2	212.1	125.1	83.0	59.1	46.1	36.0	33.0
97.5°	1053.3	858.8	575.8	338.2	202.7	135.7	100.5	79.8	67.8	59.2	59.2
100°	1060.5	804.3	522.3	318.1	205.1	146.1	114.1	95.1	83.0	76.0	76.0
102.5°	1000.5	736.3	486.2	312.5	213.1	159.7	129.2	111.1	99.9	93.7	92.0
105°	891.4	656.3	455.2	315.1	232.1	184.1	155.1	137.1	125.1	120.0	117.1
107.5°	803.4	611.5	449.6	329.9	254.3	210.3	181.7	164.5	151.7	146.6	144.6
110°	759.4	596.3	451.3	341.1	271.1	227.1	200.1	182.1	170.0	165.1	163.1



TEST NUMBER: P332951-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	734.5	589.1	456.0	353.2	287.1	244.7	217.7	199.7	188.5	182.7	180.7
115°	711.4	585.3	465.2	372.2	312.1	272.2	245.1	226.1	216.1	209.1	206.1
117.5°	700.9	584.3	475.0	391.6	336.4	298.3	270.4	252.5	241.5	235.3	232.5
120°	695.3	584.3	482.2	405.2	353.2	315.1	287.1	270.1	259.2	252.1	250.1
122.5°	689.0	583.5	489.5	418.0	369.2	331.1	303.9	285.3	275.2	268.1	266.1
125°	678.3	582.3	500.2	437.2	391.2	355.2	327.2	308.2	297.1	291.1	287.1
127.5°	664.1	580.1	508.9	453.8	411.6	376.8	348.5	328.7	316.2	308.9	305.7
130°	655.3	579.3	515.2	464.3	425.2	391.2	362.1	343.2	328.1	320.1	316.2
132.5°	647.3	578.5	520.8	474.7	436.4	402.4	375.0	354.4	340.2	329.8	326.6
135°	635.3	577.3	529.3	488.3	452.2	419.2	393.2	372.2	355.2	345.2	341.1
137.5°	624.9	577.0	534.3	497.8	464.3	433.4	408.6	386.8	370.6	359.6	355.8
140°	619.3	576.3	538.3	504.2	472.3	442.2	418.2	397.2	380.2	369.2	366.2
142.5°	614.5	576.3	541.5	509.0	479.4	450.2	427.0	406.8	390.5	380.4	377.4
145°	606.3	574.3	543.3	514.3	487.2	461.2	439.2	420.2	406.2	396.2	393.2
147.5°	598.9	570.7	544.2	518.8	495.2	470.8	451.0	435.2	420.8	412.0	411.0
150°	593.3	568.3	544.2	521.2	499.2	477.3	458.2	443.2	431.2	423.2	422.2
152.5°	586.9	564.3	542.7	522.9	502.5	482.8	465.5	452.0	440.8	432.8	432.6
155°	577.3	558.3	540.3	524.3	507.2	490.3	475.3	464.3	454.2	448.2	447.2
157.5°	567.5	552.1	537.7	524.3	510.7	496.3	484.4	474.8	467.0	461.4	461.4
160°	560.3	547.3	535.3	524.3	512.2	500.2	489.2	481.2	474.2	470.2	470.2
162.5°	553.9	542.4	532.9	524.3	513.8	502.7	494.0	486.8	480.6	477.4	478.2
165°	543.3	535.3	528.2	522.3	514.3	505.2	499.2	494.2	489.2	487.2	487.2
167.5°	533.6	528.1	523.5	519.9	514.0	507.5	502.8	500.1	496.3	495.2	496.3
170°	527.3	523.2	520.2	518.2	513.2	508.2	505.2	503.3	500.2	499.2	500.2
172.5°	521.7	518.4	517.0	516.7	512.5	509.0	506.9	505.7	503.4	503.3	504.2
175°	515.2	513.2	513.2	514.3	511.3	509.3	509.3	508.2	507.2	507.2	508.2
177.5°	510.8	510.1	510.1	511.6	510.1	509.3	509.3	509.3	508.4	509.3	510.1
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



TEST NUMBER: P332951-935

CATALOG NUMBER: SA4XXRDIP-C795D1205U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1143.5	1146.8	1150.5	1157.4	1163.3	1165.9	1171.0	1174.7	1173.5	1178.6	1187.5
5°	1148.0	1160.4	1174.6	1189.2	1205.7	1219.4	1230.4	1241.4	1250.1	1260.6	1276.2
7.5°	1147.3	1169.2	1193.2	1219.4	1246.5	1269.8	1291.4	1313.4	1332.9	1354.3	1382.2
10°	1144.4	1173.6	1203.4	1237.8	1272.0	1304.6	1333.9	1361.4	1387.5	1415.4	1450.7
12.5°	1141.0	1174.7	1210.7	1252.0	1294.8	1333.9	1368.3	1407.9	1440.6	1476.6	1517.3
15°	1126.4	1171.8	1220.8	1274.4	1325.7	1378.3	1425.5	1474.0	1519.3	1562.4	1613.7
17.5°	1109.8	1162.1	1219.9	1283.1	1344.8	1408.8	1464.7	1526.0	1572.3	1630.0	1677.7
20°	1096.2	1152.5	1214.4	1285.4	1355.4	1426.4	1488.2	1550.5	1602.7	1660.9	1721.3
22.5°	1079.8	1141.6	1208.5	1282.0	1355.4	1433.0	1501.4	1563.3	1628.0	1693.4	1755.8
25°	1053.2	1117.3	1188.3	1268.9	1353.1	1432.4	1505.6	1582.5	1652.2	1723.1	1779.0
27.5°	1020.6	1087.9	1162.7	1245.9	1332.3	1413.5	1499.8	1581.7	1651.7	1720.1	1768.8
30°	994.5	1065.6	1137.5	1221.7	1311.5	1398.4	1491.0	1573.0	1646.7	1708.1	1735.5
32.5°	967.9	1035.2	1109.2	1194.6	1286.5	1380.2	1471.9	1555.7	1623.9	1660.8	1661.5
35°	921.4	984.5	1061.4	1145.2	1239.6	1341.3	1434.2	1516.6	1558.2	1561.5	1516.6
37.5°	870.6	928.6	1001.2	1085.0	1188.4	1289.5	1384.5	1439.4	1453.3	1406.7	1323.7
40°	834.3	887.9	957.9	1044.0	1146.6	1251.0	1337.6	1377.9	1363.2	1287.6	1195.2
42.5°	796.3	846.1	913.6	998.6	1101.6	1207.0	1280.7	1302.4	1263.6	1176.3	1068.1
45°	734.0	779.8	846.7	932.3	1031.2	1130.1	1186.0	1175.0	1110.4	1006.9	885.6
47.5°	669.3	713.5	773.7	852.9	954.2	1039.6	1077.4	1044.2	952.4	838.5	739.8
50°	626.5	671.8	727.2	802.7	895.2	977.7	1001.9	951.6	849.5	739.9	649.3
52.5°	584.3	623.0	677.3	750.4	838.8	908.4	921.4	863.2	757.9	659.8	579.4
55°	520.2	555.4	601.2	669.9	746.4	805.5	798.6	723.9	628.3	544.5	481.3
57.5°	458.2	484.7	527.0	591.4	658.6	698.2	673.1	609.5	520.3	451.7	398.4
60°	417.2	441.9	481.3	537.6	596.7	619.1	598.1	528.9	458.4	395.6	350.8
62.5°	378.3	400.1	434.0	486.3	534.0	547.3	524.8	464.4	400.9	347.2	310.1
65°	321.9	342.1	370.9	408.0	441.0	447.4	432.7	370.9	322.8	277.9	252.3
67.5°	270.7	283.9	306.4	338.5	356.0	359.7	331.4	292.6	250.2	222.7	203.3
70°	236.3	245.5	266.5	283.9	298.1	298.6	272.4	241.3	208.8	186.4	172.2
72.5°	202.9	211.7	227.6	239.6	250.5	246.9	223.0	198.5	172.2	155.2	144.7
75°	156.6	164.4	172.6	178.1	178.1	173.6	156.2	137.8	122.7	112.6	109.4
77.5°	113.8	120.3	123.0	122.2	120.5	113.4	102.4	90.4	85.0	80.2	77.8
80°	89.3	92.0	93.0	90.7	87.9	79.6	72.3	67.3	62.3	60.4	59.5
82.5°	66.2	68.6	66.2	66.8	60.8	54.1	50.0	48.3	46.1	45.5	44.5
85°	35.3	34.8	33.9	31.6	27.5	26.5	26.1	25.7	24.7	25.2	24.3
87.5°	12.7	12.2	10.9	10.8	10.8	11.2	11.6	12.0	12.4	11.8	12.7
90°	3.0	6.0	7.0	8.0	8.0	14.0	14.0	16.0	18.0	17.0	18.0
92.5°	16.6	26.0	38.2	52.9	73.6	124.5	202.1	277.8	317.4	264.3	196.5
95°	36.0	46.1	59.1	83.0	125.1	212.1	376.2	615.3	815.4	838.4	741.3
97.5°	59.2	67.8	79.8	100.5	135.7	202.7	338.2	575.8	858.8	1053.3	1095.4
100°	76.0	83.0	95.1	114.1	146.1	205.1	318.1	522.3	804.3	1060.5	1206.6
102.5°	93.7	99.9	111.1	129.2	159.7	213.1	312.5	486.2	736.3	1000.5	1201.0
105°	120.0	125.1	137.1	155.1	184.1	232.1	315.1	455.2	656.3	891.4	1120.5
107.5°	146.6	151.7	164.5	181.7	210.3	254.3	329.9	449.6	611.5	803.4	1006.3
110°	165.1	170.0	182.1	200.1	227.1	271.1	341.1	451.3	596.3	759.4	937.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	182.7	188.5	199.7	217.7	244.7	287.1	353.2	456.0	589.1	734.5	887.0
115°	209.1	216.1	226.1	245.1	272.2	312.1	372.2	465.2	585.3	711.4	836.4
117.5°	235.3	241.5	252.5	270.4	298.3	336.4	391.6	475.0	584.3	700.9	811.6
120°	252.1	259.2	270.1	287.1	315.1	353.2	405.2	482.2	584.3	695.3	800.4
122.5°	268.1	275.2	285.3	303.9	331.1	369.2	418.0	489.5	583.5	689.0	790.7
125°	291.1	297.1	308.2	327.2	355.2	391.2	437.2	500.2	582.3	678.3	774.4
127.5°	308.9	316.2	328.7	348.5	376.8	411.6	453.8	508.9	580.1	664.1	754.3
130°	320.1	328.1	343.2	362.1	391.2	425.2	464.3	515.2	579.3	655.3	738.4
132.5°	329.8	340.2	354.4	375.0	402.4	436.4	474.7	520.8	578.5	647.3	721.5
135°	345.2	355.2	372.2	393.2	419.2	452.2	488.3	529.3	577.3	635.3	698.4
137.5°	359.6	370.6	386.8	408.6	433.4	464.3	497.8	534.3	577.0	624.9	677.3
140°	369.2	380.2	397.2	418.2	442.2	472.3	504.2	538.3	576.3	619.3	665.3
142.5°	380.4	390.5	406.8	427.0	450.2	479.4	509.0	541.5	576.3	614.5	654.1
145°	396.2	406.2	420.2	439.2	461.2	487.2	514.3	543.3	574.3	606.3	638.3
147.5°	412.0	420.8	435.2	451.0	470.8	495.2	518.8	544.2	570.7	598.9	625.3
150°	423.2	431.2	443.2	458.2	477.3	499.2	521.2	544.2	568.3	593.3	617.3
152.5°	432.8	440.8	452.0	465.5	482.8	502.5	522.9	542.7	564.3	586.9	608.5
155°	448.2	454.2	464.3	475.3	490.3	507.2	524.3	540.3	558.3	577.3	595.3
157.5°	461.4	467.0	474.8	484.4	496.3	510.7	524.3	537.7	552.1	567.5	581.1
160°	470.2	474.2	481.2	489.2	500.2	512.2	524.3	535.3	547.3	560.3	572.3
162.5°	477.4	480.6	486.8	494.0	502.7	513.8	524.3	532.9	542.4	553.9	563.4
165°	487.2	489.2	494.2	499.2	505.2	514.3	522.3	528.2	535.3	543.3	551.3
167.5°	495.2	496.3	500.1	502.8	507.5	514.0	519.9	523.5	528.1	533.6	539.5
170°	499.2	500.2	503.3	505.2	508.2	513.2	518.2	520.2	523.2	527.3	532.3
172.5°	503.3	503.4	505.7	506.9	509.0	512.5	516.7	517.0	518.4	521.7	525.8
175°	507.2	507.2	508.2	509.3	509.3	511.3	514.3	513.2	513.2	515.2	517.3
177.5°	509.3	508.4	509.3	509.3	509.3	510.1	511.6	510.1	510.1	510.8	511.6
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3	509.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1192.2	1193.7	1194.8	1198.4	1198.8	1202.1	1198.8
5°	1290.8	1297.3	1307.3	1317.4	1318.4	1324.7	1313.3
7.5°	1401.4	1416.3	1425.6	1441.8	1448.3	1452.3	1445.7
10°	1477.6	1491.4	1515.7	1527.6	1539.5	1541.4	1535.9
12.5°	1551.3	1573.1	1592.2	1614.8	1614.2	1630.4	1624.4
15°	1649.4	1671.8	1698.4	1723.5	1732.8	1732.8	1740.1
17.5°	1719.3	1760.5	1788.0	1807.8	1829.4	1833.1	1830.6
20°	1766.6	1811.0	1840.4	1866.0	1880.7	1884.7	1884.7
22.5°	1801.8	1839.6	1868.2	1891.3	1903.3	1908.2	1906.8
25°	1826.2	1858.6	1876.0	1882.9	1886.1	1885.2	1876.5
27.5°	1792.8	1791.3	1780.4	1759.3	1743.4	1733.8	1722.9
30°	1729.1	1705.3	1677.8	1647.5	1608.6	1578.9	1569.7
32.5°	1634.2	1580.7	1534.2	1483.8	1442.0	1412.2	1399.7
35°	1450.7	1366.0	1296.8	1236.4	1192.4	1164.9	1155.8
37.5°	1232.9	1150.9	1065.3	1006.7	970.3	942.5	932.1
40°	1094.4	1005.1	930.5	875.6	838.0	811.0	810.5
42.5°	968.0	882.8	812.5	772.9	732.5	714.6	714.5
45°	792.6	724.4	664.9	633.8	609.5	594.9	590.7
47.5°	656.3	599.9	560.2	535.4	515.6	506.3	500.2
50°	579.7	530.3	498.7	477.2	466.1	454.3	453.3
52.5°	516.0	476.0	451.4	433.9	420.0	412.8	413.0
55°	433.6	402.1	384.6	371.3	360.4	354.9	352.6
57.5°	365.3	341.6	329.0	316.8	312.1	307.8	306.6
60°	322.8	306.8	294.9	285.2	278.4	277.1	276.6
62.5°	287.7	270.9	262.7	255.2	250.2	248.1	247.3
65°	237.2	224.8	217.5	211.5	209.7	206.6	206.0
67.5°	191.2	183.8	178.9	174.9	172.4	172.2	172.2
70°	163.0	158.9	154.8	152.5	151.1	150.2	150.2
72.5°	138.9	135.8	132.4	131.2	131.0	130.0	129.7
75°	105.8	102.5	103.1	100.7	98.9	96.6	95.2
77.5°	75.0	72.8	72.2	72.0	70.4	70.2	70.9
80°	58.1	55.9	55.4	55.9	55.4	54.1	54.1
82.5°	44.3	42.3	41.8	41.6	41.2	41.6	40.8
85°	23.8	22.9	22.9	22.9	23.8	23.3	22.9
87.5°	12.2	12.1	12.4	12.2	12.5	11.9	12.2
90°	19.0	20.0	20.0	21.0	22.0	21.0	21.0
92.5°	147.8	117.7	97.6	85.8	80.4	77.1	77.1
95°	586.3	452.2	355.2	306.2	275.2	257.1	244.1
97.5°	1037.7	939.9	835.4	763.5	703.4	673.3	652.6
100°	1226.6	1177.6	1103.5	1016.5	955.5	925.5	917.5
102.5°	1300.2	1314.4	1283.6	1230.2	1185.9	1154.3	1148.0
105°	1293.7	1392.7	1433.7	1435.7	1427.7	1413.7	1407.6
107.5°	1190.6	1330.1	1419.3	1468.7	1491.5	1501.5	1504.2
110°	1110.5	1255.6	1365.6	1436.7	1478.7	1496.8	1505.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1040.1	1177.2	1287.2	1367.9	1418.7	1443.9	1458.5
115°	959.5	1076.5	1172.6	1251.6	1311.6	1343.7	1351.7
117.5°	913.4	1005.5	1086.9	1154.3	1204.8	1237.2	1243.4
120°	893.5	973.4	1044.5	1101.6	1145.6	1171.6	1182.6
122.5°	880.6	953.5	1015.7	1063.9	1101.6	1123.5	1134.5
125°	860.4	929.4	984.5	1024.5	1053.5	1072.5	1078.5
127.5°	836.6	905.4	957.7	997.9	1023.7	1039.7	1045.7
130°	817.4	885.5	938.5	979.5	1004.4	1020.5	1026.5
132.5°	795.8	862.2	915.2	955.5	983.7	998.8	1004.9
135°	763.4	824.4	874.4	914.5	942.5	958.5	964.5
137.5°	732.4	783.8	829.0	866.4	894.1	907.2	914.5
140°	712.3	757.3	799.4	834.4	856.4	870.4	878.4
142.5°	695.5	734.2	770.6	801.6	822.0	834.4	840.0
145°	672.4	702.3	730.4	755.4	772.4	782.4	787.4
147.5°	652.3	676.3	698.4	716.8	731.3	739.0	740.7
150°	640.3	660.3	678.3	694.3	707.3	713.3	714.4
152.5°	628.3	646.7	661.5	675.1	685.7	689.3	690.3
155°	611.3	626.3	638.3	648.3	656.3	659.4	659.4
157.5°	594.5	607.1	616.7	624.3	630.3	632.1	632.1
160°	583.2	594.3	602.3	608.3	614.3	615.3	615.3
162.5°	572.9	581.5	588.7	593.1	599.1	600.1	599.3
165°	557.2	564.3	569.3	573.3	577.3	576.3	575.3
167.5°	544.1	549.7	552.7	554.7	557.2	557.1	556.3
170°	535.3	539.2	542.3	544.2	545.3	544.2	544.2
172.5°	528.1	530.5	532.6	533.8	534.9	533.8	532.3
175°	518.2	520.2	520.2	520.2	522.3	520.2	518.2
177.5°	512.5	512.5	513.2	512.5	513.2	511.6	510.1
180°	509.3	509.3	509.3	509.3	509.3	509.3	509.3

(END OF REPORT)