

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: P332945-940

Luminaire Tested: **SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332945-940  
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-C795D1035U940-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6273.3 lumens  
Efficiency: N/A  
Efficacy: 120.6 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

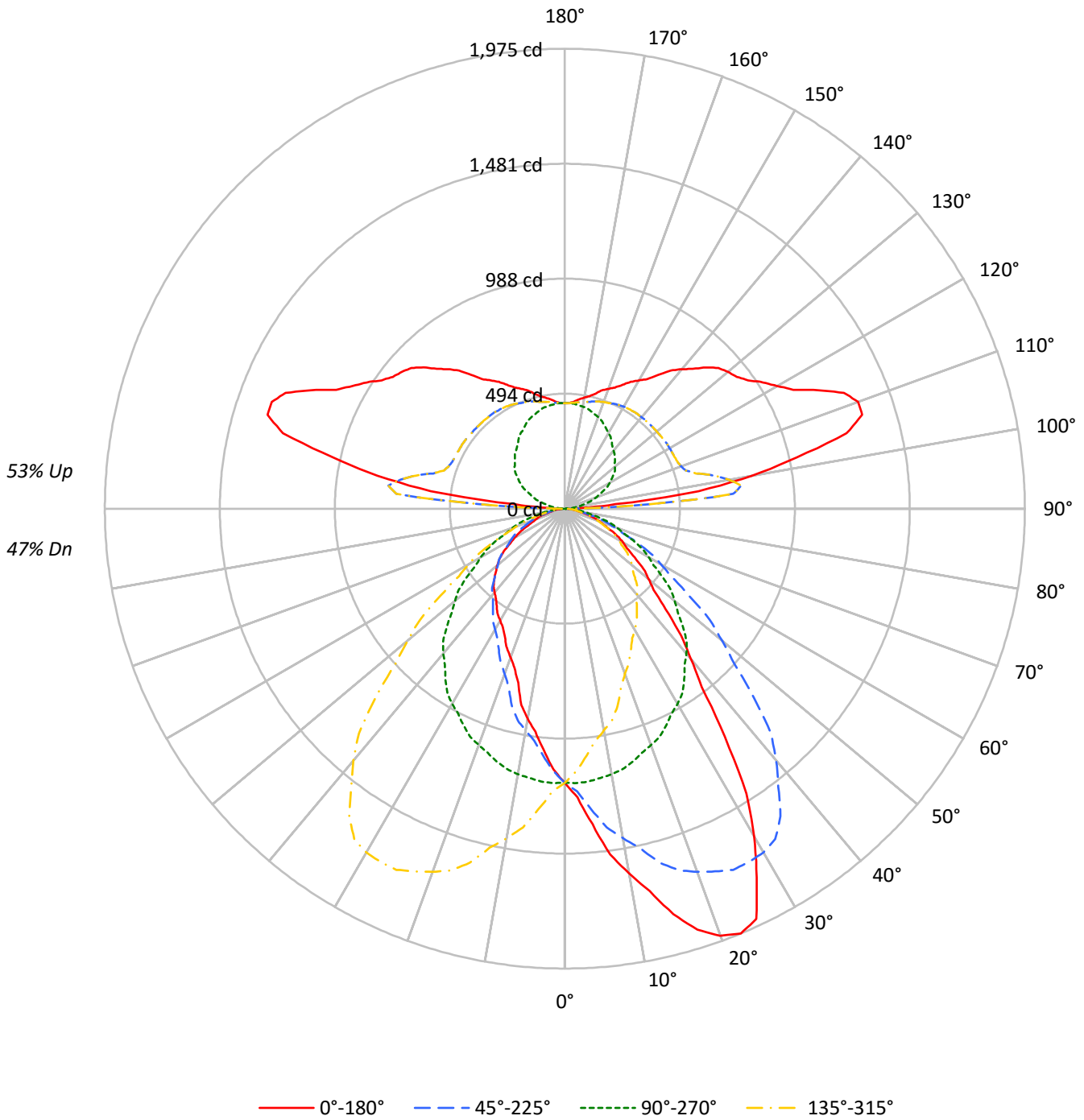
Input Watts (W): 52  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47				47
1	98	94	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41				41
2	89	82	76	71	82	76	71	66	64	60	57	53	50	48	43	41	40	35				35
3	82	73	65	60	75	67	61	56	57	52	48	47	44	41	38	36	34	30				30
4	75	64	57	51	69	60	53	48	51	46	42	42	39	36	35	32	30	26				26
5	69	58	50	44	63	53	46	41	46	40	36	38	34	31	31	28	26	23				23
6	64	52	44	38	58	48	41	36	41	36	32	35	31	27	29	26	23	20				20
7	59	47	39	34	54	44	37	32	37	32	28	32	27	24	26	23	21	18				18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	16				16
9	51	39	32	27	47	36	30	25	31	26	22	27	23	20	22	19	17	15				15
10	47	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	15	13				13

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

	0°	90°	180°	270°
0°	9503	9503	9503	9503
5°	11022	9532	8425	9532
10°	13039	9489	7519	9489
15°	15061	9402	6461	9402
20°	16770	9281	5843	9281
25°	17312	9163	5424	9163
30°	15155	9018	5172	9018
35°	11797	8806	5019	8806
40°	8847	8560	4938	8560
45°	6985	8170	4894	8170
50°	5897	7720	4752	7720
55°	5140	7222	4500	7222
60°	4624	6707	3982	6707
65°	4076	6151	3423	6151
70°	3670	5575	3090	5575
75°	3075	4941	2633	4941
80°	2603	4212	2469	4212
85°	2195	3298	2195	3298



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.1	1.8
10°-20°	344.0	5.5
20°-30°	538.1	8.6
30°-40°	598.2	9.5
40°-50°	530.7	8.5
50°-60°	413.6	6.6
60°-70°	270.8	4.3
70°-80°	133.1	2.1
80°-90°	35.4	0.6
90°-100°	327.3	5.2
100°-110°	681.1	10.9
110°-120°	610.1	9.7
120°-130°	513.2	8.2
130°-140°	427.9	6.8
140°-150°	326.9	5.2
150°-160°	229.8	3.7
160°-170°	135.2	2.2
170°-180°	44.0	0.7
0°-30°	996.2	15.9
0°-40°	1594.3	25.4
0°-60°	2538.6	40.5
0°-90°	2977.9	47.5
90°-120°	1618.5	25.8
90°-150°	2886.5	46.0
90°-180°	3295.0	52.5
0°-180°	6273.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1177	1177	1177	1177	1177	
5°	1360	1176	1040	1176	1360	138
15°	1802	1125	773	1125	1802	512
25°	1944	1029	609	1029	1944	862
35°	1197	894	509	894	1197	750
45°	612	716	429	716	612	485
55°	365	513	320	513	365	332
65°	213	322	179	322	213	215
75°	99	158	84	158	99	109
85°	24	36	24	36	24	27
90°	19	1	19	1	19	16
95°	217	29	217	29	217	337
105°	1252	104	1252	104	1252	1238
115°	1203	183	1203	183	1203	1194
125°	960	256	960	256	960	872
135°	858	304	858	304	858	662
145°	701	350	701	350	701	444
155°	587	398	587	398	587	274
165°	512	434	512	434	512	147
175°	461	452	461	452	461	45
180°	453	453	453	453	453	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1241.5	1245.0	1241.5	1241.2	1237.4	1236.3	1234.8	1229.8	1220.7	1215.4	1216.6
5°	1360.1	1372.0	1365.4	1364.4	1354.0	1343.5	1336.9	1321.7	1305.6	1294.7	1285.7
7.5°	1497.3	1504.1	1499.9	1493.3	1476.4	1466.9	1451.4	1431.5	1402.6	1380.5	1360.2
10°	1590.6	1596.3	1594.4	1582.1	1569.8	1544.6	1530.4	1502.4	1465.9	1437.0	1410.0
12.5°	1682.4	1688.5	1671.8	1672.4	1649.0	1629.2	1606.7	1571.5	1529.3	1492.0	1458.1
15°	1802.1	1794.6	1794.6	1785.0	1759.0	1731.4	1708.3	1671.2	1618.1	1573.5	1526.6
17.5°	1895.9	1898.5	1894.6	1872.2	1851.7	1823.3	1780.7	1737.5	1688.2	1628.4	1580.4
20°	1952.0	1952.0	1947.8	1932.5	1906.0	1875.6	1829.6	1782.7	1720.1	1659.8	1605.8
22.5°	1974.8	1976.3	1971.2	1958.7	1934.8	1905.2	1866.1	1818.4	1753.8	1686.0	1619.1
25°	1943.5	1952.5	1953.4	1950.1	1942.9	1924.9	1891.3	1842.5	1784.6	1711.1	1639.0
27.5°	1784.3	1795.6	1805.6	1822.0	1843.9	1855.2	1856.7	1831.9	1781.5	1710.7	1638.2
30°	1625.7	1635.2	1666.0	1706.3	1737.7	1766.1	1790.7	1797.4	1769.0	1705.4	1629.1
32.5°	1449.7	1462.6	1493.4	1536.8	1588.9	1637.1	1692.5	1720.7	1720.0	1681.9	1611.2
35°	1197.0	1206.5	1234.9	1280.5	1343.1	1414.7	1502.4	1570.7	1617.2	1613.8	1570.7
37.5°	965.4	976.1	1004.9	1042.6	1103.3	1191.9	1276.8	1370.9	1456.9	1505.1	1490.8
40°	839.5	839.9	867.9	906.8	963.7	1041.0	1133.5	1237.8	1333.6	1411.8	1427.0
42.5°	740.0	740.1	758.6	800.5	841.5	914.3	1002.6	1106.2	1218.3	1308.7	1348.9
45°	611.8	616.1	631.2	656.4	688.6	750.3	820.9	917.2	1042.9	1150.0	1216.9
47.5°	518.1	524.3	534.0	554.5	580.1	621.3	679.7	766.2	868.4	986.3	1081.5
50°	469.5	470.5	482.8	494.2	516.5	549.2	600.4	672.4	766.3	879.8	985.5
52.5°	427.8	427.6	435.0	449.4	467.5	493.0	534.4	600.0	683.3	784.9	894.0
55°	365.2	367.6	373.3	384.6	398.3	416.4	449.1	498.5	563.9	650.7	749.8
57.5°	317.5	318.8	323.2	328.1	340.7	353.8	378.4	412.6	467.8	538.9	631.2
60°	286.4	287.0	288.4	295.4	305.4	317.7	334.3	363.3	409.7	474.7	547.8
62.5°	256.1	256.9	259.1	264.3	272.1	280.5	297.9	321.2	359.6	415.2	481.0
65°	213.4	213.9	217.2	219.1	225.2	232.8	245.7	261.3	287.8	334.3	384.1
67.5°	178.3	178.3	178.5	181.1	185.3	190.4	198.0	210.5	230.6	259.1	303.0
70°	155.5	155.5	156.5	157.9	160.3	164.5	168.8	178.3	193.1	216.2	249.9
72.5°	134.3	134.6	135.6	135.9	137.1	140.6	143.8	149.9	160.8	178.3	205.5
75°	98.6	100.0	102.5	104.3	106.7	106.2	109.6	113.3	116.6	127.1	142.8
77.5°	73.4	72.7	72.9	74.5	74.8	75.3	77.7	80.6	83.1	88.0	93.6
80°	56.0	56.0	57.4	57.9	57.4	57.9	60.2	61.6	62.6	64.5	69.7
82.5°	42.3	43.1	42.6	43.1	43.3	43.8	45.8	46.1	47.1	47.8	50.0
85°	23.7	24.2	24.7	23.7	23.7	23.7	24.7	25.1	26.1	25.6	26.6
87.5°	12.1	11.7	12.3	12.1	12.3	11.9	12.1	12.7	11.8	12.3	11.9
90°	18.7	18.7	19.6	18.7	17.8	17.8	16.9	16.1	15.2	16.1	14.3
92.5°	68.6	68.6	71.6	76.4	86.9	104.7	131.6	174.9	235.2	282.4	247.1
95°	217.2	228.8	244.8	272.4	316.0	402.3	521.7	659.6	746.0	725.5	547.5
97.5°	580.6	599.1	625.8	679.4	743.3	836.2	923.3	974.6	937.2	764.1	512.4
100°	816.4	823.4	850.2	904.5	981.9	1047.8	1091.4	1073.6	943.6	715.7	464.7
102.5°	1021.5	1027.2	1055.3	1094.6	1142.1	1169.6	1156.9	1068.6	890.2	655.2	432.7
105°	1252.5	1257.8	1270.3	1277.5	1275.7	1239.1	1151.0	997.0	793.2	584.0	405.0
107.5°	1338.4	1336.1	1327.1	1306.8	1262.8	1183.5	1059.4	895.4	714.8	544.1	400.0
110°	1339.8	1331.8	1315.7	1278.4	1215.1	1117.2	988.1	834.1	675.6	530.6	401.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1297.7	1284.8	1262.3	1217.1	1145.3	1047.4	925.4	789.3	653.6	524.1	405.7
115°	1202.7	1195.5	1167.1	1113.7	1043.3	957.9	853.7	744.2	632.9	520.8	413.9
117.5°	1106.3	1100.8	1072.0	1027.2	967.1	894.7	812.8	722.1	623.7	519.9	422.7
120°	1052.2	1042.4	1019.3	980.1	929.3	866.2	795.0	712.1	618.7	519.9	429.1
122.5°	1009.5	999.7	980.1	946.6	903.7	848.4	783.5	703.6	613.0	519.2	435.5
125°	959.7	954.3	937.4	911.6	875.9	827.0	765.5	689.0	603.6	518.1	445.1
127.5°	930.4	925.1	910.9	887.9	852.1	805.7	744.4	671.2	590.9	516.1	452.7
130°	913.4	908.0	893.8	871.5	835.0	787.8	727.3	657.0	583.1	515.4	458.4
132.5°	894.1	888.8	875.2	850.2	814.4	767.1	708.1	642.0	576.0	514.7	463.4
135°	858.2	852.8	838.6	813.7	778.0	733.5	679.2	621.3	565.3	513.6	470.9
137.5°	813.7	807.3	795.5	770.9	737.6	697.4	651.7	602.7	556.0	513.4	475.4
140°	781.6	774.5	762.1	742.4	711.2	673.9	633.8	592.0	551.1	512.7	478.9
142.5°	747.4	742.4	731.4	713.2	685.6	653.3	618.8	582.0	546.8	512.7	481.8
145°	700.6	696.2	687.2	672.1	649.9	624.9	598.2	567.9	539.5	511.0	483.4
147.5°	659.1	657.5	650.8	637.8	621.3	601.8	580.4	556.3	532.9	507.7	484.3
150°	635.6	634.7	629.4	617.8	603.6	587.5	569.7	549.3	527.9	505.6	484.3
152.5°	614.2	613.3	610.1	600.7	588.6	575.4	559.0	541.4	522.2	502.0	482.9
155°	586.7	586.7	584.0	576.8	567.9	557.2	543.9	529.7	513.6	496.8	480.7
157.5°	562.4	562.4	560.8	555.4	548.8	540.2	529.0	517.0	504.9	491.2	478.4
160°	547.5	547.5	546.6	541.3	535.9	528.8	519.0	509.2	498.6	487.0	476.3
162.5°	533.2	534.0	533.1	527.7	523.8	517.4	509.7	501.3	492.8	482.7	474.1
165°	511.8	512.7	513.6	510.1	506.5	502.0	495.9	490.5	483.4	476.3	470.0
167.5°	495.0	495.7	495.9	493.6	491.8	489.1	484.1	480.0	474.8	469.8	465.7
170°	484.3	484.3	485.2	484.3	482.5	479.8	476.3	473.6	469.1	465.6	462.9
172.5°	473.6	475.0	475.9	475.0	473.9	472.0	469.8	467.9	464.1	461.3	460.0
175°	461.1	462.9	464.7	462.9	462.9	462.9	461.1	460.2	458.4	456.6	456.6
177.5°	453.8	455.2	456.6	455.9	456.6	455.9	455.9	455.2	454.5	453.8	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1212.7	1207.5	1204.8	1198.7	1191.5	1187.7	1184.3	1179.4	1172.9	1166.1	1161.1
5°	1274.3	1262.9	1248.7	1231.6	1216.5	1201.8	1188.9	1176.2	1161.5	1146.2	1131.0
7.5°	1337.5	1315.1	1290.9	1262.9	1235.7	1210.9	1188.2	1166.4	1141.7	1119.6	1099.5
10°	1381.4	1351.1	1317.4	1281.9	1246.3	1215.5	1185.2	1157.6	1127.3	1100.3	1077.5
12.5°	1417.1	1381.4	1341.0	1296.6	1253.9	1216.7	1181.7	1145.8	1111.3	1082.0	1051.7
15°	1476.3	1427.5	1373.0	1319.8	1264.4	1213.6	1166.6	1124.9	1085.6	1044.3	1015.4
17.5°	1517.0	1459.0	1392.8	1328.9	1263.4	1203.5	1149.4	1099.7	1054.3	1012.1	977.7
20°	1541.3	1477.3	1403.7	1331.2	1257.7	1193.6	1135.3	1080.3	1033.4	987.8	952.3
22.5°	1555.0	1484.1	1403.7	1327.8	1251.6	1182.3	1118.3	1061.0	1009.9	964.3	925.0
25°	1559.3	1483.5	1401.4	1314.1	1230.7	1157.2	1090.7	1028.7	971.7	926.2	884.5
27.5°	1553.3	1463.9	1379.8	1290.3	1204.2	1126.7	1057.0	991.8	934.8	885.9	843.1
30°	1544.2	1448.3	1358.3	1265.2	1178.0	1103.6	1030.0	967.4	908.2	857.5	814.3
32.5°	1524.4	1429.4	1332.4	1237.2	1148.8	1072.1	1002.4	939.4	881.3	829.4	783.5
35°	1485.3	1389.1	1283.8	1186.1	1099.3	1019.6	954.2	893.5	838.0	782.5	734.1
37.5°	1433.9	1335.5	1230.7	1123.7	1036.9	961.7	901.6	844.6	790.5	739.9	686.3
40°	1385.3	1295.7	1187.5	1081.3	992.1	919.5	864.1	812.3	757.9	707.6	654.0
42.5°	1326.4	1250.1	1140.9	1034.2	946.2	876.3	824.7	774.1	724.4	675.7	619.8
45°	1228.3	1170.5	1068.0	965.5	876.9	807.6	760.2	715.6	672.0	625.5	572.9
47.5°	1115.8	1076.7	988.2	883.3	801.3	739.0	693.1	656.7	619.8	573.4	527.2
50°	1037.7	1012.5	927.1	831.3	753.1	695.7	648.8	614.7	583.8	539.2	497.9
52.5°	954.2	940.8	868.7	777.1	701.5	645.2	605.1	574.4	543.2	506.2	467.6
55°	827.1	834.2	773.0	693.8	622.7	575.2	538.8	513.1	486.6	455.3	425.4
57.5°	697.1	723.1	682.1	612.5	545.8	502.0	474.6	453.0	430.7	404.7	379.2
60°	619.4	641.1	618.0	556.8	498.5	457.6	432.0	415.4	393.2	369.4	350.0
62.5°	543.5	566.9	553.0	503.6	449.5	414.4	391.8	376.4	359.8	339.1	318.9
65°	448.2	463.3	456.7	422.6	384.1	354.3	333.4	322.0	306.8	291.7	273.7
67.5°	343.2	372.6	368.7	350.5	317.4	294.0	280.4	270.3	256.5	245.2	232.9
70°	282.1	309.2	308.7	294.0	276.0	254.2	244.7	236.2	223.8	212.9	203.0
72.5°	231.0	255.7	259.4	248.2	235.8	219.3	210.2	204.3	192.3	184.9	176.8
75°	161.8	179.8	184.5	184.5	178.8	170.2	162.2	158.4	149.9	143.2	138.5
77.5°	106.0	117.4	124.8	126.5	127.4	124.6	117.9	115.2	108.7	106.3	101.7
80°	74.9	82.5	91.0	93.9	96.3	95.3	92.5	90.6	84.4	82.0	80.2
82.5°	51.8	56.0	63.0	69.2	68.6	71.1	68.6	67.1	62.4	61.5	59.7
85°	27.0	27.5	28.4	32.7	35.1	36.0	36.6	35.6	34.2	34.2	30.9
87.5°	11.6	11.2	10.9	10.9	11.1	12.5	13.0	13.1	12.3	11.7	10.7
90°	12.5	12.5	7.1	7.1	6.2	5.4	2.7	0.9	2.7	5.4	6.2
92.5°	179.9	110.8	65.5	47.0	34.0	23.2	14.8	10.2	14.8	23.2	34.0
95°	334.7	188.7	111.3	73.9	52.5	40.9	32.0	29.3	32.0	40.9	52.5
97.5°	300.9	180.4	120.7	89.3	71.1	60.4	52.7	52.7	52.7	60.4	71.1
100°	283.1	182.5	130.0	101.5	84.5	73.9	67.7	67.7	67.7	73.9	84.5
102.5°	278.1	189.6	142.0	115.0	98.8	88.8	83.3	81.9	83.3	88.8	98.8
105°	280.4	206.5	163.8	137.9	122.0	111.3	106.8	104.2	106.8	111.3	122.0
107.5°	293.6	226.3	187.1	161.7	146.3	134.9	130.5	128.8	130.5	134.9	146.3
110°	303.5	241.2	202.1	178.1	162.0	151.3	146.9	145.1	146.9	151.3	162.0





TEST NUMBER: P332945-940

CATALOG NUMBER: SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.2	255.5	217.8	193.7	177.7	167.7	162.6	160.8	162.6	167.7	177.7
115°	331.2	277.8	242.1	218.1	201.2	192.3	186.0	183.4	186.0	192.3	201.2
117.5°	348.4	299.3	265.5	240.5	224.7	214.9	209.4	206.9	209.4	214.9	224.7
120°	360.5	314.2	280.4	255.5	240.3	230.6	224.4	222.6	224.4	230.6	240.3
122.5°	371.9	328.5	294.6	270.5	253.9	244.8	238.5	236.8	238.5	244.8	253.9
125°	389.1	348.0	316.0	291.1	274.2	264.4	259.0	255.5	259.0	264.4	274.2
127.5°	403.8	366.2	335.3	310.1	292.5	281.3	274.9	272.1	274.9	281.3	292.5
130°	413.0	378.4	348.0	322.3	305.3	291.9	284.9	281.3	284.9	291.9	305.3
132.5°	422.3	388.3	358.0	333.7	315.3	302.6	293.4	290.5	293.4	302.6	315.3
135°	434.4	402.3	373.0	349.8	331.2	316.0	307.1	303.5	307.1	316.0	331.2
137.5°	443.0	413.0	385.7	363.6	344.1	329.8	319.9	316.6	319.9	329.8	344.1
140°	448.6	420.2	393.5	372.1	353.4	338.3	328.5	325.8	328.5	338.3	353.4
142.5°	452.9	426.6	400.6	380.0	361.9	347.5	338.5	335.8	338.5	347.5	361.9
145°	457.5	433.5	410.4	390.8	373.9	361.4	352.5	349.8	352.5	361.4	373.9
147.5°	461.6	440.7	418.9	401.3	387.3	374.4	366.6	365.7	366.6	374.4	387.3
150°	463.8	444.3	424.6	407.7	394.4	383.7	376.6	375.7	376.6	383.7	394.4
152.5°	465.2	447.1	429.6	414.1	402.2	392.3	385.1	385.0	385.1	392.3	402.2
155°	466.5	451.3	436.2	422.8	413.0	404.1	398.8	397.9	398.8	404.1	413.0
157.5°	466.5	454.3	441.6	431.1	422.5	415.5	410.5	410.5	410.5	415.5	422.5
160°	466.5	455.8	445.1	435.3	428.2	422.0	418.4	418.4	418.4	422.0	428.2
162.5°	466.5	457.2	447.3	439.6	433.2	427.7	424.8	425.5	424.8	427.7	433.2
165°	464.7	457.5	449.5	444.3	439.8	435.3	433.5	433.5	433.5	435.3	439.8
167.5°	462.5	457.4	451.5	447.5	445.0	441.6	440.7	441.6	440.7	441.6	445.0
170°	461.1	456.6	452.2	449.5	447.8	445.1	444.3	445.1	444.3	445.1	447.8
172.5°	459.7	455.9	452.9	450.9	449.9	447.9	447.8	448.6	447.8	447.9	449.9
175°	457.5	454.9	453.1	453.1	452.2	451.3	451.3	452.2	451.3	451.3	452.2
177.5°	455.2	453.8	453.1	453.1	453.1	452.4	453.1	453.8	453.1	452.4	453.1
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332945-940

CATALOG NUMBER: SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1155.8	1152.0	1147.1	1141.4	1134.6	1128.5	1125.9	1128.1	1129.3	1126.2	1125.9
5°	1120.6	1108.8	1099.3	1085.0	1073.7	1064.2	1057.6	1054.7	1055.7	1048.1	1046.2
7.5°	1081.1	1067.0	1051.5	1034.7	1018.9	1005.0	997.6	993.6	985.6	982.1	976.3
10°	1055.7	1036.7	1021.5	1001.6	983.6	967.0	958.9	952.3	944.2	940.4	932.4
12.5°	1029.5	1007.5	990.8	970.1	951.7	931.7	924.0	911.7	899.1	891.1	880.7
15°	992.6	966.1	945.7	921.0	899.2	876.4	856.0	833.2	824.7	806.7	796.3
17.5°	949.4	922.5	897.2	864.2	830.5	802.3	780.5	758.7	745.6	734.1	728.8
20°	921.0	896.3	861.2	822.8	785.3	754.0	736.5	722.3	708.0	700.0	694.3
22.5°	894.0	862.6	821.8	780.3	742.9	718.4	703.5	688.8	677.3	669.7	662.0
25°	848.9	807.6	764.5	717.0	691.4	670.1	654.0	642.1	635.0	625.1	621.3
27.5°	802.5	752.5	704.9	673.1	646.4	626.9	612.8	603.9	594.9	588.5	583.6
30°	766.9	716.1	673.4	643.1	616.1	599.9	588.5	578.1	571.0	565.8	562.0
32.5°	731.6	680.8	645.0	612.3	591.0	575.2	563.1	555.4	549.7	543.1	540.7
35°	680.6	635.5	604.2	574.8	552.9	538.8	529.2	521.2	516.5	514.5	513.1
37.5°	631.5	594.6	561.0	536.8	517.4	506.2	495.0	491.1	487.8	484.4	485.9
40°	600.4	565.8	535.9	510.3	494.6	482.3	475.6	470.9	468.1	468.1	468.1
42.5°	573.5	539.6	510.5	487.5	471.9	461.5	454.1	450.0	449.1	448.7	451.0
45°	531.6	500.3	470.9	451.9	438.6	428.2	424.0	420.6	420.6	422.6	423.0
47.5°	490.2	460.8	437.3	416.0	403.9	397.3	393.6	391.9	392.1	394.0	396.2
50°	464.8	435.9	412.6	393.6	382.3	376.0	372.7	371.8	372.7	372.7	376.0
52.5°	437.0	411.2	388.3	372.4	359.4	353.7	351.9	350.5	351.2	352.7	354.1
55°	396.5	373.3	351.4	336.3	326.7	323.0	318.7	319.1	318.3	319.1	319.1
57.5°	355.8	334.9	314.6	302.6	294.3	288.7	284.1	285.4	284.0	283.8	283.0
60°	329.6	306.8	290.7	279.8	270.3	265.6	261.3	262.3	260.8	259.8	258.0
62.5°	301.1	282.1	266.8	256.3	248.7	243.2	238.9	238.0	234.7	231.4	227.3
65°	259.8	244.2	230.5	220.5	213.4	209.1	205.8	203.0	195.8	188.2	184.5
67.5°	219.8	208.5	195.6	187.3	181.5	175.8	169.5	164.7	158.0	153.8	151.5
70°	193.9	183.1	172.2	164.1	157.9	152.8	145.6	142.3	137.5	135.6	133.2
72.5°	169.3	159.2	149.0	141.7	135.2	131.1	125.5	122.2	120.1	119.3	117.0
75°	131.9	123.8	116.2	109.6	104.3	101.5	99.2	96.8	95.8	91.5	89.2
77.5°	96.2	90.9	86.1	81.4	77.7	75.8	71.2	68.5	66.9	64.9	64.4
80°	74.9	71.2	66.4	63.6	58.3	56.4	54.6	54.0	53.6	53.1	52.6
82.5°	56.4	52.5	47.8	46.1	44.7	43.5	42.4	41.9	41.5	41.7	41.6
85°	28.4	26.6	26.6	26.1	25.6	25.1	24.7	24.7	24.2	24.7	24.2
87.5°	10.9	10.5	11.6	10.9	11.6	11.9	11.4	11.6	12.1	11.5	11.5
90°	7.1	7.1	12.5	12.5	14.3	16.1	15.2	16.1	16.9	17.8	17.8
92.5°	47.0	65.5	110.8	179.9	247.1	282.4	235.2	174.9	131.6	104.7	86.9
95°	73.9	111.3	188.7	334.7	547.5	725.5	746.0	659.6	521.7	402.3	316.0
97.5°	89.3	120.7	180.4	300.9	512.4	764.1	937.2	974.6	923.3	836.2	743.3
100°	101.5	130.0	182.5	283.1	464.7	715.7	943.6	1073.6	1091.4	1047.8	981.9
102.5°	115.0	142.0	189.6	278.1	432.7	655.2	890.2	1068.6	1156.9	1169.6	1142.1
105°	137.9	163.8	206.5	280.4	405.0	584.0	793.2	997.0	1151.0	1239.1	1275.7
107.5°	161.7	187.1	226.3	293.6	400.0	544.1	714.8	895.4	1059.4	1183.5	1262.8
110°	178.1	202.1	241.2	303.5	401.4	530.6	675.6	834.1	988.1	1117.2	1215.1



TEST NUMBER: P332945-940

CATALOG NUMBER: SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	193.7	217.8	255.5	314.2	405.7	524.1	653.6	789.3	925.4	1047.4	1145.3
115°	218.1	242.1	277.8	331.2	413.9	520.8	632.9	744.2	853.7	957.9	1043.3
117.5°	240.5	265.5	299.3	348.4	422.7	519.9	623.7	722.1	812.8	894.7	967.1
120°	255.5	280.4	314.2	360.5	429.1	519.9	618.7	712.1	795.0	866.2	929.3
122.5°	270.5	294.6	328.5	371.9	435.5	519.2	613.0	703.6	783.5	848.4	903.7
125°	291.1	316.0	348.0	389.1	445.1	518.1	603.6	689.0	765.5	827.0	875.9
127.5°	310.1	335.3	366.2	403.8	452.7	516.1	590.9	671.2	744.4	805.7	852.1
130°	322.3	348.0	378.4	413.0	458.4	515.4	583.1	657.0	727.3	787.8	835.0
132.5°	333.7	358.0	388.3	422.3	463.4	514.7	576.0	642.0	708.1	767.1	814.4
135°	349.8	373.0	402.3	434.4	470.9	513.6	565.3	621.3	679.2	733.5	778.0
137.5°	363.6	385.7	413.0	443.0	475.4	513.4	556.0	602.7	651.7	697.4	737.6
140°	372.1	393.5	420.2	448.6	478.9	512.7	551.1	592.0	633.8	673.9	711.2
142.5°	380.0	400.6	426.6	452.9	481.8	512.7	546.8	582.0	618.8	653.3	685.6
145°	390.8	410.4	433.5	457.5	483.4	511.0	539.5	567.9	598.2	624.9	649.9
147.5°	401.3	418.9	440.7	461.6	484.3	507.7	532.9	556.3	580.4	601.8	621.3
150°	407.7	424.6	444.3	463.8	484.3	505.6	527.9	549.3	569.7	587.5	603.6
152.5°	414.1	429.6	447.1	465.2	482.9	502.0	522.2	541.4	559.0	575.4	588.6
155°	422.8	436.2	451.3	466.5	480.7	496.8	513.6	529.7	543.9	557.2	567.9
157.5°	431.1	441.6	454.3	466.5	478.4	491.2	504.9	517.0	529.0	540.2	548.8
160°	435.3	445.1	455.8	466.5	476.3	487.0	498.6	509.2	519.0	528.8	535.9
162.5°	439.6	447.3	457.2	466.5	474.1	482.7	492.8	501.3	509.7	517.4	523.8
165°	444.3	449.5	457.5	464.7	470.0	476.3	483.4	490.5	495.9	502.0	506.5
167.5°	447.5	451.5	457.4	462.5	465.7	469.8	474.8	480.0	484.1	489.1	491.8
170°	449.5	452.2	456.6	461.1	462.9	465.6	469.1	473.6	476.3	479.8	482.5
172.5°	450.9	452.9	455.9	459.7	460.0	461.3	464.1	467.9	469.8	472.0	473.9
175°	453.1	453.1	454.9	457.5	456.6	456.6	458.4	460.2	461.1	462.9	462.9
177.5°	453.1	453.1	453.8	455.2	453.8	453.8	454.5	455.2	455.9	455.9	456.6
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332945-940

CATALOG NUMBER: SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1123.6	1124.4	1121.7	1120.9	1121.7	1124.4	1123.6	1125.9	1126.2	1129.3	1128.1
5°	1042.4	1041.4	1039.1	1039.6	1039.1	1041.4	1042.4	1046.2	1048.1	1055.7	1054.7
7.5°	972.9	969.3	970.3	966.5	970.3	969.3	972.9	976.3	982.1	985.6	993.6
10°	930.5	925.2	921.0	917.2	921.0	925.2	930.5	932.4	940.4	944.2	952.3
12.5°	872.4	868.0	862.2	863.4	862.2	868.0	872.4	880.7	891.1	899.1	911.7
15°	790.1	783.0	771.6	773.0	771.6	783.0	790.1	796.3	806.7	824.7	833.2
17.5°	720.4	720.5	715.2	716.5	715.2	720.5	720.4	728.8	734.1	745.6	758.7
20°	684.3	681.0	681.4	680.1	681.4	681.0	684.3	694.3	700.0	708.0	722.3
22.5°	659.3	655.2	651.9	649.0	651.9	655.2	659.3	662.0	669.7	677.3	688.8
25°	617.0	614.1	609.8	608.9	609.8	614.1	617.0	621.3	625.1	635.0	642.1
27.5°	579.8	579.3	577.6	575.3	577.6	579.3	579.8	583.6	588.5	594.9	603.9
30°	558.2	557.2	556.2	554.8	556.2	557.2	558.2	562.0	565.8	571.0	578.1
32.5°	538.9	538.2	537.3	537.4	537.3	538.2	538.9	540.7	543.1	549.7	555.4
35°	511.2	510.8	509.8	509.3	509.8	510.8	511.2	513.1	514.5	516.5	521.2
37.5°	485.4	486.7	486.1	486.0	486.1	486.7	485.4	485.9	484.4	487.8	491.1
40°	467.6	468.1	469.0	468.6	469.0	468.1	467.6	468.1	468.1	468.1	470.9
42.5°	452.8	452.9	454.2	452.6	454.2	452.9	452.8	451.0	448.7	449.1	450.0
45°	426.3	429.2	428.7	428.7	428.7	429.2	426.3	423.0	422.6	420.6	420.6
47.5°	397.4	399.8	400.6	400.5	400.6	399.8	397.4	396.2	394.0	392.1	391.9
50°	378.4	377.5	378.9	378.4	378.9	377.5	378.4	376.0	372.7	372.7	371.8
52.5°	355.3	355.5	355.4	354.9	355.4	355.5	355.3	354.1	352.7	351.2	350.5
55°	319.7	320.1	319.1	319.7	319.1	320.1	319.7	319.1	319.1	318.3	319.1
57.5°	281.0	278.7	279.6	278.5	279.6	278.7	281.0	283.0	283.8	284.0	285.4
60°	253.2	249.4	248.5	246.6	248.5	249.4	253.2	258.0	259.8	260.8	262.3
62.5°	222.1	219.5	216.2	217.8	216.2	219.5	222.1	227.3	231.4	234.7	238.0
65°	180.7	178.8	177.4	179.2	177.4	178.8	180.7	184.5	188.2	195.8	203.0
67.5°	149.5	148.6	148.6	147.6	148.6	148.6	149.5	151.5	153.8	158.0	164.7
70°	133.2	131.9	131.9	130.9	131.9	131.9	133.2	133.2	135.6	137.5	142.3
72.5°	116.5	115.1	115.6	114.9	115.6	115.1	116.5	117.0	119.3	120.1	122.2
75°	86.3	83.9	83.9	84.4	83.9	83.9	86.3	89.2	91.5	95.8	96.8
77.5°	64.4	63.9	64.6	63.8	64.6	63.9	64.4	64.4	64.9	66.9	68.5
80°	52.6	52.2	51.7	53.1	51.7	52.2	52.6	52.6	53.1	53.6	54.0
82.5°	40.8	40.8	40.7	42.5	40.7	40.8	40.8	41.6	41.7	41.5	41.9
85°	24.7	23.7	24.7	23.7	24.7	23.7	24.7	24.2	24.7	24.2	24.7
87.5°	12.5	12.3	11.7	12.1	11.7	12.3	12.5	11.5	11.5	12.1	11.6
90°	18.7	19.6	18.7	18.7	18.7	19.6	18.7	17.8	17.8	16.9	16.1
92.5°	76.4	71.6	68.6	68.6	68.6	71.6	76.4	86.9	104.7	131.6	174.9
95°	272.4	244.8	228.8	217.2	228.8	244.8	272.4	316.0	402.3	521.7	659.6
97.5°	679.4	625.8	599.1	580.6	599.1	625.8	679.4	743.3	836.2	923.3	974.6
100°	904.5	850.2	823.4	816.4	823.4	850.2	904.5	981.9	1047.8	1091.4	1073.6
102.5°	1094.6	1055.3	1027.2	1021.5	1027.2	1055.3	1094.6	1142.1	1169.6	1156.9	1068.6
105°	1277.5	1270.3	1257.8	1252.5	1257.8	1270.3	1277.5	1275.7	1239.1	1151.0	997.0
107.5°	1306.8	1327.1	1336.1	1338.4	1336.1	1327.1	1306.8	1262.8	1183.5	1059.4	895.4
110°	1278.4	1315.7	1331.8	1339.8	1331.8	1315.7	1278.4	1215.1	1117.2	988.1	834.1



TEST NUMBER: P332945-940

CATALOG NUMBER: SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1217.1	1262.3	1284.8	1297.7	1284.8	1262.3	1217.1	1145.3	1047.4	925.4	789.3
115°	1113.7	1167.1	1195.5	1202.7	1195.5	1167.1	1113.7	1043.3	957.9	853.7	744.2
117.5°	1027.2	1072.0	1100.8	1106.3	1100.8	1072.0	1027.2	967.1	894.7	812.8	722.1
120°	980.1	1019.3	1042.4	1052.2	1042.4	1019.3	980.1	929.3	866.2	795.0	712.1
122.5°	946.6	980.1	999.7	1009.5	999.7	980.1	946.6	903.7	848.4	783.5	703.6
125°	911.6	937.4	954.3	959.7	954.3	937.4	911.6	875.9	827.0	765.5	689.0
127.5°	887.9	910.9	925.1	930.4	925.1	910.9	887.9	852.1	805.7	744.4	671.2
130°	871.5	893.8	908.0	913.4	908.0	893.8	871.5	835.0	787.8	727.3	657.0
132.5°	850.2	875.2	888.8	894.1	888.8	875.2	850.2	814.4	767.1	708.1	642.0
135°	813.7	838.6	852.8	858.2	852.8	838.6	813.7	778.0	733.5	679.2	621.3
137.5°	770.9	795.5	807.3	813.7	807.3	795.5	770.9	737.6	697.4	651.7	602.7
140°	742.4	762.1	774.5	781.6	774.5	762.1	742.4	711.2	673.9	633.8	592.0
142.5°	713.2	731.4	742.4	747.4	742.4	731.4	713.2	685.6	653.3	618.8	582.0
145°	672.1	687.2	696.2	700.6	696.2	687.2	672.1	649.9	624.9	598.2	567.9
147.5°	637.8	650.8	657.5	659.1	657.5	650.8	637.8	621.3	601.8	580.4	556.3
150°	617.8	629.4	634.7	635.6	634.7	629.4	617.8	603.6	587.5	569.7	549.3
152.5°	600.7	610.1	613.3	614.2	613.3	610.1	600.7	588.6	575.4	559.0	541.4
155°	576.8	584.0	586.7	586.7	586.7	584.0	576.8	567.9	557.2	543.9	529.7
157.5°	555.4	560.8	562.4	562.4	562.4	560.8	555.4	548.8	540.2	529.0	517.0
160°	541.3	546.6	547.5	547.5	547.5	546.6	541.3	535.9	528.8	519.0	509.2
162.5°	527.7	533.1	534.0	533.2	534.0	533.1	527.7	523.8	517.4	509.7	501.3
165°	510.1	513.6	512.7	511.8	512.7	513.6	510.1	506.5	502.0	495.9	490.5
167.5°	493.6	495.9	495.7	495.0	495.7	495.9	493.6	491.8	489.1	484.1	480.0
170°	484.3	485.2	484.3	484.3	484.3	485.2	484.3	482.5	479.8	476.3	473.6
172.5°	475.0	475.9	475.0	473.6	475.0	475.9	475.0	473.9	472.0	469.8	467.9
175°	462.9	464.7	462.9	461.1	462.9	464.7	462.9	462.9	462.9	461.1	460.2
177.5°	455.9	456.6	455.2	453.8	455.2	456.6	455.9	456.6	455.9	455.9	455.2
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332945-940

CATALOG NUMBER: SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1125.9	1128.5	1134.6	1141.4	1147.1	1152.0	1155.8	1161.1	1166.1	1172.9	1179.4
5°	1057.6	1064.2	1073.7	1085.0	1099.3	1108.8	1120.6	1131.0	1146.2	1161.5	1176.2
7.5°	997.6	1005.0	1018.9	1034.7	1051.5	1067.0	1081.1	1099.5	1119.6	1141.7	1166.4
10°	958.9	967.0	983.6	1001.6	1021.5	1036.7	1055.7	1077.5	1100.3	1127.3	1157.6
12.5°	924.0	931.7	951.7	970.1	990.8	1007.5	1029.5	1051.7	1082.0	1111.3	1145.8
15°	856.0	876.4	899.2	921.0	945.7	966.1	992.6	1015.4	1044.3	1085.6	1124.9
17.5°	780.5	802.3	830.5	864.2	897.2	922.5	949.4	977.7	1012.1	1054.3	1099.7
20°	736.5	754.0	785.3	822.8	861.2	896.3	921.0	952.3	987.8	1033.4	1080.3
22.5°	703.5	718.4	742.9	780.3	821.8	862.6	894.0	925.0	964.3	1009.9	1061.0
25°	654.0	670.1	691.4	717.0	764.5	807.6	848.9	884.5	926.2	971.7	1028.7
27.5°	612.8	626.9	646.4	673.1	704.9	752.5	802.5	843.1	885.9	934.8	991.8
30°	588.5	599.9	616.1	643.1	673.4	716.1	766.9	814.3	857.5	908.2	967.4
32.5°	563.1	575.2	591.0	612.3	645.0	680.8	731.6	783.5	829.4	881.3	939.4
35°	529.2	538.8	552.9	574.8	604.2	635.5	680.6	734.1	782.5	838.0	893.5
37.5°	495.0	506.2	517.4	536.8	561.0	594.6	631.5	686.3	739.9	790.5	844.6
40°	475.6	482.3	494.6	510.3	535.9	565.8	600.4	654.0	707.6	757.9	812.3
42.5°	454.1	461.5	471.9	487.5	510.5	539.6	573.5	619.8	675.7	724.4	774.1
45°	424.0	428.2	438.6	451.9	470.9	500.3	531.6	572.9	625.5	672.0	715.6
47.5°	393.6	397.3	403.9	416.0	437.3	460.8	490.2	527.2	573.4	619.8	656.7
50°	372.7	376.0	382.3	393.6	412.6	435.9	464.8	497.9	539.2	583.8	614.7
52.5°	351.9	353.7	359.4	372.4	388.3	411.2	437.0	467.6	506.2	543.2	574.4
55°	318.7	323.0	326.7	336.3	351.4	373.3	396.5	425.4	455.3	486.6	513.1
57.5°	284.1	288.7	294.3	302.6	314.6	334.9	355.8	379.2	404.7	430.7	453.0
60°	261.3	265.6	270.3	279.8	290.7	306.8	329.6	350.0	369.4	393.2	415.4
62.5°	238.9	243.2	248.7	256.3	266.8	282.1	301.1	318.9	339.1	359.8	376.4
65°	205.8	209.1	213.4	220.5	230.5	244.2	259.8	273.7	291.7	306.8	322.0
67.5°	169.5	175.8	181.5	187.3	195.6	208.5	219.8	232.9	245.2	256.5	270.3
70°	145.6	152.8	157.9	164.1	172.2	183.1	193.9	203.0	212.9	223.8	236.2
72.5°	125.5	131.1	135.2	141.7	149.0	159.2	169.3	176.8	184.9	192.3	204.3
75°	99.2	101.5	104.3	109.6	116.2	123.8	131.9	138.5	143.2	149.9	158.4
77.5°	71.2	75.8	77.7	81.4	86.1	90.9	96.2	101.7	106.3	108.7	115.2
80°	54.6	56.4	58.3	63.6	66.4	71.2	74.9	80.2	82.0	84.4	90.6
82.5°	42.4	43.5	44.7	46.1	47.8	52.5	56.4	59.7	61.5	62.4	67.1
85°	24.7	25.1	25.6	26.1	26.6	26.6	28.4	30.9	34.2	34.2	35.6
87.5°	11.4	11.9	11.6	10.9	11.6	10.5	10.9	10.7	11.7	12.3	13.1
90°	15.2	16.1	14.3	12.5	12.5	7.1	7.1	6.2	5.4	2.7	0.9
92.5°	235.2	282.4	247.1	179.9	110.8	65.5	47.0	34.0	23.2	14.8	10.2
95°	746.0	725.5	547.5	334.7	188.7	111.3	73.9	52.5	40.9	32.0	29.3
97.5°	937.2	764.1	512.4	300.9	180.4	120.7	89.3	71.1	60.4	52.7	52.7
100°	943.6	715.7	464.7	283.1	182.5	130.0	101.5	84.5	73.9	67.7	67.7
102.5°	890.2	655.2	432.7	278.1	189.6	142.0	115.0	98.8	88.8	83.3	81.9
105°	793.2	584.0	405.0	280.4	206.5	163.8	137.9	122.0	111.3	106.8	104.2
107.5°	714.8	544.1	400.0	293.6	226.3	187.1	161.7	146.3	134.9	130.5	128.8
110°	675.6	530.6	401.4	303.5	241.2	202.1	178.1	162.0	151.3	146.9	145.1



TEST NUMBER: P332945-940

CATALOG NUMBER: SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	653.6	524.1	405.7	314.2	255.5	217.8	193.7	177.7	167.7	162.6	160.8
115°	632.9	520.8	413.9	331.2	277.8	242.1	218.1	201.2	192.3	186.0	183.4
117.5°	623.7	519.9	422.7	348.4	299.3	265.5	240.5	224.7	214.9	209.4	206.9
120°	618.7	519.9	429.1	360.5	314.2	280.4	255.5	240.3	230.6	224.4	222.6
122.5°	613.0	519.2	435.5	371.9	328.5	294.6	270.5	253.9	244.8	238.5	236.8
125°	603.6	518.1	445.1	389.1	348.0	316.0	291.1	274.2	264.4	259.0	255.5
127.5°	590.9	516.1	452.7	403.8	366.2	335.3	310.1	292.5	281.3	274.9	272.1
130°	583.1	515.4	458.4	413.0	378.4	348.0	322.3	305.3	291.9	284.9	281.3
132.5°	576.0	514.7	463.4	422.3	388.3	358.0	333.7	315.3	302.6	293.4	290.5
135°	565.3	513.6	470.9	434.4	402.3	373.0	349.8	331.2	316.0	307.1	303.5
137.5°	556.0	513.4	475.4	443.0	413.0	385.7	363.6	344.1	329.8	319.9	316.6
140°	551.1	512.7	478.9	448.6	420.2	393.5	372.1	353.4	338.3	328.5	325.8
142.5°	546.8	512.7	481.8	452.9	426.6	400.6	380.0	361.9	347.5	338.5	335.8
145°	539.5	511.0	483.4	457.5	433.5	410.4	390.8	373.9	361.4	352.5	349.8
147.5°	532.9	507.7	484.3	461.6	440.7	418.9	401.3	387.3	374.4	366.6	365.7
150°	527.9	505.6	484.3	463.8	444.3	424.6	407.7	394.4	383.7	376.6	375.7
152.5°	522.2	502.0	482.9	465.2	447.1	429.6	414.1	402.2	392.3	385.1	385.0
155°	513.6	496.8	480.7	466.5	451.3	436.2	422.8	413.0	404.1	398.8	397.9
157.5°	504.9	491.2	478.4	466.5	454.3	441.6	431.1	422.5	415.5	410.5	410.5
160°	498.6	487.0	476.3	466.5	455.8	445.1	435.3	428.2	422.0	418.4	418.4
162.5°	492.8	482.7	474.1	466.5	457.2	447.3	439.6	433.2	427.7	424.8	425.5
165°	483.4	476.3	470.0	464.7	457.5	449.5	444.3	439.8	435.3	433.5	433.5
167.5°	474.8	469.8	465.7	462.5	457.4	451.5	447.5	445.0	441.6	440.7	441.6
170°	469.1	465.6	462.9	461.1	456.6	452.2	449.5	447.8	445.1	444.3	445.1
172.5°	464.1	461.3	460.0	459.7	455.9	452.9	450.9	449.9	447.9	447.8	448.6
175°	458.4	456.6	456.6	457.5	454.9	453.1	453.1	452.2	451.3	451.3	452.2
177.5°	454.5	453.8	453.8	455.2	453.8	453.1	453.1	453.1	452.4	453.1	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



TEST NUMBER: P332945-940

CATALOG NUMBER: SA4XXRDIP-C795D1035U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1184.3	1187.7	1191.5	1198.7	1204.8	1207.5	1212.7	1216.6	1215.4	1220.7	1229.8
5°	1188.9	1201.8	1216.5	1231.6	1248.7	1262.9	1274.3	1285.7	1294.7	1305.6	1321.7
7.5°	1188.2	1210.9	1235.7	1262.9	1290.9	1315.1	1337.5	1360.2	1380.5	1402.6	1431.5
10°	1185.2	1215.5	1246.3	1281.9	1317.4	1351.1	1381.4	1410.0	1437.0	1465.9	1502.4
12.5°	1181.7	1216.7	1253.9	1296.6	1341.0	1381.4	1417.1	1458.1	1492.0	1529.3	1571.5
15°	1166.6	1213.6	1264.4	1319.8	1373.0	1427.5	1476.3	1526.6	1573.5	1618.1	1671.2
17.5°	1149.4	1203.5	1263.4	1328.9	1392.8	1459.0	1517.0	1580.4	1628.4	1688.2	1737.5
20°	1135.3	1193.6	1257.7	1331.2	1403.7	1477.3	1541.3	1605.8	1659.8	1720.1	1782.7
22.5°	1118.3	1182.3	1251.6	1327.8	1403.7	1484.1	1555.0	1619.1	1686.0	1753.8	1818.4
25°	1090.7	1157.2	1230.7	1314.1	1401.4	1483.5	1559.3	1639.0	1711.1	1784.6	1842.5
27.5°	1057.0	1126.7	1204.2	1290.3	1379.8	1463.9	1553.3	1638.2	1710.7	1781.5	1831.9
30°	1030.0	1103.6	1178.0	1265.2	1358.3	1448.3	1544.2	1629.1	1705.4	1769.0	1797.4
32.5°	1002.4	1072.1	1148.8	1237.2	1332.4	1429.4	1524.4	1611.2	1681.9	1720.0	1720.7
35°	954.2	1019.6	1099.3	1186.1	1283.8	1389.1	1485.3	1570.7	1613.8	1617.2	1570.7
37.5°	901.6	961.7	1036.9	1123.7	1230.7	1335.5	1433.9	1490.8	1505.1	1456.9	1370.9
40°	864.1	919.5	992.1	1081.3	1187.5	1295.7	1385.3	1427.0	1411.8	1333.6	1237.8
42.5°	824.7	876.3	946.2	1034.2	1140.9	1250.1	1326.4	1348.9	1308.7	1218.3	1106.2
45°	760.2	807.6	876.9	965.5	1068.0	1170.5	1228.3	1216.9	1150.0	1042.9	917.2
47.5°	693.1	739.0	801.3	883.3	988.2	1076.7	1115.8	1081.5	986.3	868.4	766.2
50°	648.8	695.7	753.1	831.3	927.1	1012.5	1037.7	985.5	879.8	766.3	672.4
52.5°	605.1	645.2	701.5	777.1	868.7	940.8	954.2	894.0	784.9	683.3	600.0
55°	538.8	575.2	622.7	693.8	773.0	834.2	827.1	749.8	650.7	563.9	498.5
57.5°	474.6	502.0	545.8	612.5	682.1	723.1	697.1	631.2	538.9	467.8	412.6
60°	432.0	457.6	498.5	556.8	618.0	641.1	619.4	547.8	474.7	409.7	363.3
62.5°	391.8	414.4	449.5	503.6	553.0	566.9	543.5	481.0	415.2	359.6	321.2
65°	333.4	354.3	384.1	422.6	456.7	463.3	448.2	384.1	334.3	287.8	261.3
67.5°	280.4	294.0	317.4	350.5	368.7	372.6	343.2	303.0	259.1	230.6	210.5
70°	244.7	254.2	276.0	294.0	308.7	309.2	282.1	249.9	216.2	193.1	178.3
72.5°	210.2	219.3	235.8	248.2	259.4	255.7	231.0	205.5	178.3	160.8	149.9
75°	162.2	170.2	178.8	184.5	184.5	179.8	161.8	142.8	127.1	116.6	113.3
77.5°	117.9	124.6	127.4	126.5	124.8	117.4	106.0	93.6	88.0	83.1	80.6
80°	92.5	95.3	96.3	93.9	91.0	82.5	74.9	69.7	64.5	62.6	61.6
82.5°	68.6	71.1	68.6	69.2	63.0	56.0	51.8	50.0	47.8	47.1	46.1
85°	36.6	36.0	35.1	32.7	28.4	27.5	27.0	26.6	25.6	26.1	25.1
87.5°	13.0	12.5	11.1	10.9	10.9	11.2	11.6	11.9	12.3	11.8	12.7
90°	2.7	5.4	6.2	7.1	7.1	12.5	12.5	14.3	16.1	15.2	16.1
92.5°	14.8	23.2	34.0	47.0	65.5	110.8	179.9	247.1	282.4	235.2	174.9
95°	32.0	40.9	52.5	73.9	111.3	188.7	334.7	547.5	725.5	746.0	659.6
97.5°	52.7	60.4	71.1	89.3	120.7	180.4	300.9	512.4	764.1	937.2	974.6
100°	67.7	73.9	84.5	101.5	130.0	182.5	283.1	464.7	715.7	943.6	1073.6
102.5°	83.3	88.8	98.8	115.0	142.0	189.6	278.1	432.7	655.2	890.2	1068.6
105°	106.8	111.3	122.0	137.9	163.8	206.5	280.4	405.0	584.0	793.2	997.0
107.5°	130.5	134.9	146.3	161.7	187.1	226.3	293.6	400.0	544.1	714.8	895.4
110°	146.9	151.3	162.0	178.1	202.1	241.2	303.5	401.4	530.6	675.6	834.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	162.6	167.7	177.7	193.7	217.8	255.5	314.2	405.7	524.1	653.6	789.3
115°	186.0	192.3	201.2	218.1	242.1	277.8	331.2	413.9	520.8	632.9	744.2
117.5°	209.4	214.9	224.7	240.5	265.5	299.3	348.4	422.7	519.9	623.7	722.1
120°	224.4	230.6	240.3	255.5	280.4	314.2	360.5	429.1	519.9	618.7	712.1
122.5°	238.5	244.8	253.9	270.5	294.6	328.5	371.9	435.5	519.2	613.0	703.6
125°	259.0	264.4	274.2	291.1	316.0	348.0	389.1	445.1	518.1	603.6	689.0
127.5°	274.9	281.3	292.5	310.1	335.3	366.2	403.8	452.7	516.1	590.9	671.2
130°	284.9	291.9	305.3	322.3	348.0	378.4	413.0	458.4	515.4	583.1	657.0
132.5°	293.4	302.6	315.3	333.7	358.0	388.3	422.3	463.4	514.7	576.0	642.0
135°	307.1	316.0	331.2	349.8	373.0	402.3	434.4	470.9	513.6	565.3	621.3
137.5°	319.9	329.8	344.1	363.6	385.7	413.0	443.0	475.4	513.4	556.0	602.7
140°	328.5	338.3	353.4	372.1	393.5	420.2	448.6	478.9	512.7	551.1	592.0
142.5°	338.5	347.5	361.9	380.0	400.6	426.6	452.9	481.8	512.7	546.8	582.0
145°	352.5	361.4	373.9	390.8	410.4	433.5	457.5	483.4	511.0	539.5	567.9
147.5°	366.6	374.4	387.3	401.3	418.9	440.7	461.6	484.3	507.7	532.9	556.3
150°	376.6	383.7	394.4	407.7	424.6	444.3	463.8	484.3	505.6	527.9	549.3
152.5°	385.1	392.3	402.2	414.1	429.6	447.1	465.2	482.9	502.0	522.2	541.4
155°	398.8	404.1	413.0	422.8	436.2	451.3	466.5	480.7	496.8	513.6	529.7
157.5°	410.5	415.5	422.5	431.1	441.6	454.3	466.5	478.4	491.2	504.9	517.0
160°	418.4	422.0	428.2	435.3	445.1	455.8	466.5	476.3	487.0	498.6	509.2
162.5°	424.8	427.7	433.2	439.6	447.3	457.2	466.5	474.1	482.7	492.8	501.3
165°	433.5	435.3	439.8	444.3	449.5	457.5	464.7	470.0	476.3	483.4	490.5
167.5°	440.7	441.6	445.0	447.5	451.5	457.4	462.5	465.7	469.8	474.8	480.0
170°	444.3	445.1	447.8	449.5	452.2	456.6	461.1	462.9	465.6	469.1	473.6
172.5°	447.8	447.9	449.9	450.9	452.9	455.9	459.7	460.0	461.3	464.1	467.9
175°	451.3	451.3	452.2	453.1	453.1	454.9	457.5	456.6	456.6	458.4	460.2
177.5°	453.1	452.4	453.1	453.1	453.1	453.8	455.2	453.8	453.8	454.5	455.2
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1	453.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1	1177.1
2.5°	1234.8	1236.3	1237.4	1241.2	1241.5	1245.0	1241.5
5°	1336.9	1343.5	1354.0	1364.4	1365.4	1372.0	1360.1
7.5°	1451.4	1466.9	1476.4	1493.3	1499.9	1504.1	1497.3
10°	1530.4	1544.6	1569.8	1582.1	1594.4	1596.3	1590.6
12.5°	1606.7	1629.2	1649.0	1672.4	1671.8	1688.5	1682.4
15°	1708.3	1731.4	1759.0	1785.0	1794.6	1794.6	1802.1
17.5°	1780.7	1823.3	1851.7	1872.2	1894.6	1898.5	1895.9
20°	1829.6	1875.6	1906.0	1932.5	1947.8	1952.0	1952.0
22.5°	1866.1	1905.2	1934.8	1958.7	1971.2	1976.3	1974.8
25°	1891.3	1924.9	1942.9	1950.1	1953.4	1952.5	1943.5
27.5°	1856.7	1855.2	1843.9	1822.0	1805.6	1795.6	1784.3
30°	1790.7	1766.1	1737.7	1706.3	1666.0	1635.2	1625.7
32.5°	1692.5	1637.1	1588.9	1536.8	1493.4	1462.6	1449.7
35°	1502.4	1414.7	1343.1	1280.5	1234.9	1206.5	1197.0
37.5°	1276.8	1191.9	1103.3	1042.6	1004.9	976.1	965.4
40°	1133.5	1041.0	963.7	906.8	867.9	839.9	839.5
42.5°	1002.6	914.3	841.5	800.5	758.6	740.1	740.0
45°	820.9	750.3	688.6	656.4	631.2	616.1	611.8
47.5°	679.7	621.3	580.1	554.5	534.0	524.3	518.1
50°	600.4	549.2	516.5	494.2	482.8	470.5	469.5
52.5°	534.4	493.0	467.5	449.4	435.0	427.6	427.8
55°	449.1	416.4	398.3	384.6	373.3	367.6	365.2
57.5°	378.4	353.8	340.7	328.1	323.2	318.8	317.5
60°	334.3	317.7	305.4	295.4	288.4	287.0	286.4
62.5°	297.9	280.5	272.1	264.3	259.1	256.9	256.1
65°	245.7	232.8	225.2	219.1	217.2	213.9	213.4
67.5°	198.0	190.4	185.3	181.1	178.5	178.3	178.3
70°	168.8	164.5	160.3	157.9	156.5	155.5	155.5
72.5°	143.8	140.6	137.1	135.9	135.6	134.6	134.3
75°	109.6	106.2	106.7	104.3	102.5	100.0	98.6
77.5°	77.7	75.3	74.8	74.5	72.9	72.7	73.4
80°	60.2	57.9	57.4	57.9	57.4	56.0	56.0
82.5°	45.8	43.8	43.3	43.1	42.6	43.1	42.3
85°	24.7	23.7	23.7	23.7	24.7	24.2	23.7
87.5°	12.1	11.9	12.3	12.1	12.3	11.7	12.1
90°	16.9	17.8	17.8	18.7	19.6	18.7	18.7
92.5°	131.6	104.7	86.9	76.4	71.6	68.6	68.6
95°	521.7	402.3	316.0	272.4	244.8	228.8	217.2
97.5°	923.3	836.2	743.3	679.4	625.8	599.1	580.6
100°	1091.4	1047.8	981.9	904.5	850.2	823.4	816.4
102.5°	1156.9	1169.6	1142.1	1094.6	1055.3	1027.2	1021.5
105°	1151.0	1239.1	1275.7	1277.5	1270.3	1257.8	1252.5
107.5°	1059.4	1183.5	1262.8	1306.8	1327.1	1336.1	1338.4
110°	988.1	1117.2	1215.1	1278.4	1315.7	1331.8	1339.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	925.4	1047.4	1145.3	1217.1	1262.3	1284.8	1297.7
115°	853.7	957.9	1043.3	1113.7	1167.1	1195.5	1202.7
117.5°	812.8	894.7	967.1	1027.2	1072.0	1100.8	1106.3
120°	795.0	866.2	929.3	980.1	1019.3	1042.4	1052.2
122.5°	783.5	848.4	903.7	946.6	980.1	999.7	1009.5
125°	765.5	827.0	875.9	911.6	937.4	954.3	959.7
127.5°	744.4	805.7	852.1	887.9	910.9	925.1	930.4
130°	727.3	787.8	835.0	871.5	893.8	908.0	913.4
132.5°	708.1	767.1	814.4	850.2	875.2	888.8	894.1
135°	679.2	733.5	778.0	813.7	838.6	852.8	858.2
137.5°	651.7	697.4	737.6	770.9	795.5	807.3	813.7
140°	633.8	673.9	711.2	742.4	762.1	774.5	781.6
142.5°	618.8	653.3	685.6	713.2	731.4	742.4	747.4
145°	598.2	624.9	649.9	672.1	687.2	696.2	700.6
147.5°	580.4	601.8	621.3	637.8	650.8	657.5	659.1
150°	569.7	587.5	603.6	617.8	629.4	634.7	635.6
152.5°	559.0	575.4	588.6	600.7	610.1	613.3	614.2
155°	543.9	557.2	567.9	576.8	584.0	586.7	586.7
157.5°	529.0	540.2	548.8	555.4	560.8	562.4	562.4
160°	519.0	528.8	535.9	541.3	546.6	547.5	547.5
162.5°	509.7	517.4	523.8	527.7	533.1	534.0	533.2
165°	495.9	502.0	506.5	510.1	513.6	512.7	511.8
167.5°	484.1	489.1	491.8	493.6	495.9	495.7	495.0
170°	476.3	479.8	482.5	484.3	485.2	484.3	484.3
172.5°	469.8	472.0	473.9	475.0	475.9	475.0	473.6
175°	461.1	462.9	462.9	462.9	464.7	462.9	461.1
177.5°	455.9	455.9	456.6	455.9	456.6	455.2	453.8
180°	453.1	453.1	453.1	453.1	453.1	453.1	453.1

(END OF REPORT)