

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: P331695-940

Luminaire Tested: **SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331695-940  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

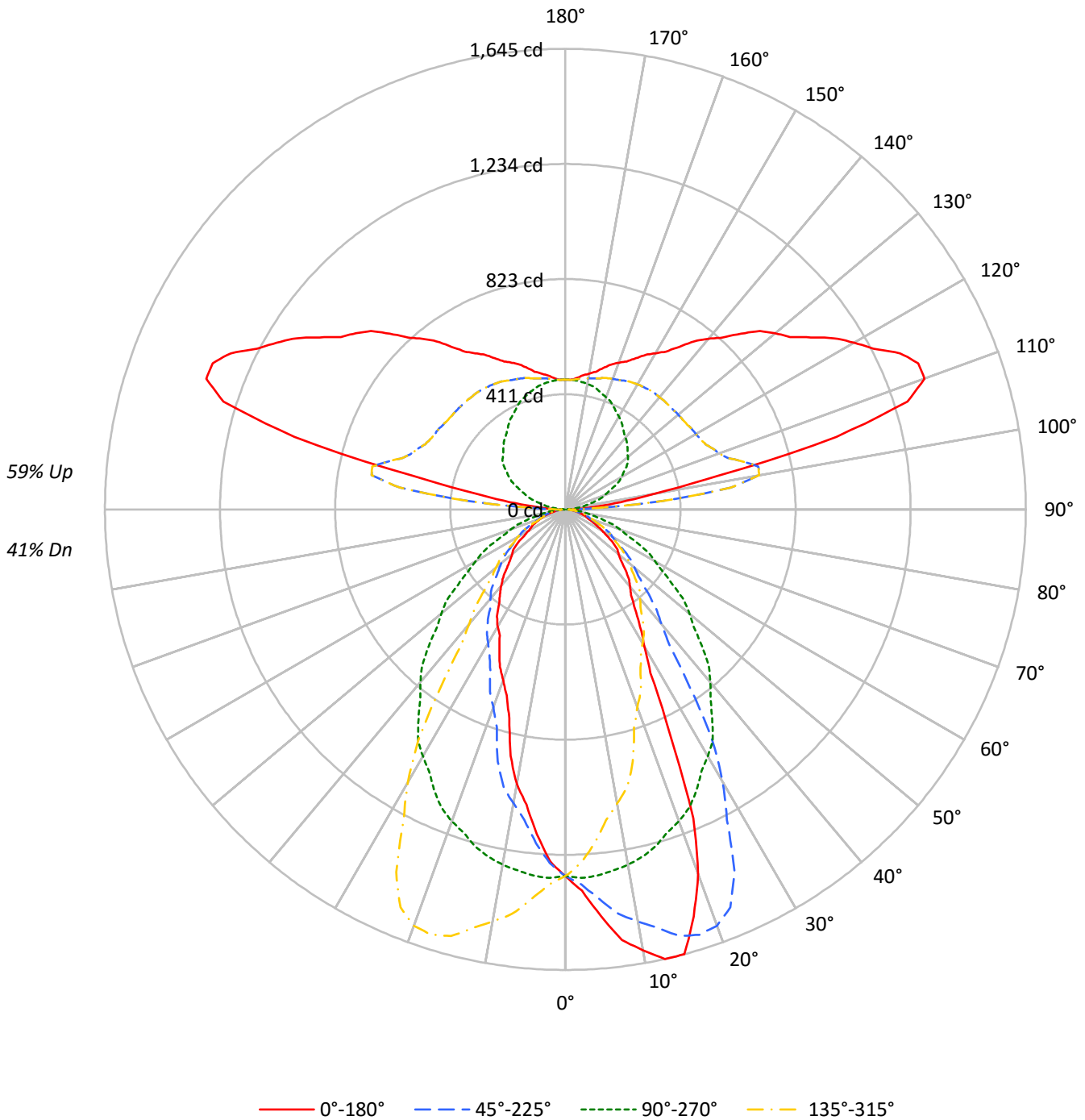
Lumens per Lamp: N/A  
Luminaire Lumens: 5488.4 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 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	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	48	48	48	41
1	96	92	89	86	88	85	81	79	70	68	66	56	55	53	43	43	42	36
2	88	81	76	71	80	75	70	66	62	58	55	50	48	46	39	38	36	31
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	32	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	30	28	24
5	69	58	50	44	63	53	47	42	45	40	36	37	33	30	29	27	25	21
6	63	52	44	39	58	48	41	36	40	35	32	33	30	27	27	24	22	19
7	59	47	40	34	54	44	37	32	37	32	28	31	27	24	25	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	37	30	26	31	26	23	26	22	20	21	19	17	15
10	48	36	29	25	44	34	28	23	29	24	21	24	21	18	20	17	15	13

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

	0°	90°	180°	270°
0°	21151	21151	21151	21151
5°	23622	21284	18870	21284
10°	26209	21135	16357	21135
15°	27497	20824	12889	20824
20°	23838	20366	11153	20366
25°	15634	19737	9957	19737
30°	10524	18975	9012	18975
35°	8523	18015	8129	18015
40°	7579	16971	7522	16971
45°	6859	15746	6715	15746
50°	6242	14531	6219	14531
55°	5869	13185	5790	13185
60°	4908	11951	4850	11951
65°	4138	10850	4695	10850
70°	3829	9692	4428	9692
75°	3575	8434	4086	8434
80°	3301	6936	3636	6936
85°	3038	5483	3205	5483



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.2	2.3
10°-20°	346.0	6.3
20°-30°	445.9	8.1
30°-40°	423.7	7.7
40°-50°	363.0	6.6
50°-60°	276.4	5.0
60°-70°	174.7	3.2
70°-80°	87.3	1.6
80°-90°	26.9	0.5
90°-100°	185.0	3.4
100°-110°	627.9	11.4
110°-120°	667.1	12.2
120°-130°	549.1	10.0
130°-140°	441.0	8.0
140°-150°	333.2	6.1
150°-160°	234.2	4.3
160°-170°	137.9	2.5
170°-180°	44.9	0.8
0°-30°	916.1	16.7
0°-40°	1339.8	24.4
0°-60°	1979.2	36.1
0°-90°	2268.1	41.3
90°-120°	1480.0	27.0
90°-150°	2803.4	51.1
90°-180°	3220.0	58.7
0°-180°	5488.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1310	1310	1310	1310	1310	
5°	1458	1313	1164	1313	1458	144
15°	1645	1246	771	1246	1645	444
25°	878	1108	559	1108	878	416
35°	432	914	412	914	432	277
45°	300	690	294	690	300	232
55°	208	468	206	468	208	183
65°	108	284	123	284	108	110
75°	57	135	66	135	57	61
85°	16	30	17	30	16	18
90°	29	1	29	1	29	16
95°	102	31	102	31	102	132
105°	1003	109	1003	109	1003	970
115°	1320	191	1320	191	1320	1292
125°	1071	267	1071	267	1071	967
135°	887	313	887	313	887	689
145°	708	358	708	358	708	450
155°	595	407	595	407	595	278
165°	522	443	522	443	522	149
175°	471	462	471	462	471	46
180°	463	463	463	463	463	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1363.2	1364.2	1365.4	1362.8	1362.8	1360.6	1355.8	1352.3	1342.0	1340.6	1340.6
5°	1457.5	1456.5	1458.4	1452.5	1444.3	1442.4	1433.8	1422.5	1410.6	1397.4	1394.6
7.5°	1551.2	1549.9	1546.2	1545.2	1538.9	1525.2	1511.3	1496.5	1476.8	1457.6	1448.0
10°	1598.6	1613.6	1604.5	1588.6	1591.8	1570.4	1559.0	1539.4	1523.0	1494.3	1488.0
12.5°	1645.2	1651.1	1648.2	1639.1	1635.0	1620.2	1604.9	1587.9	1557.6	1531.9	1509.5
15°	1645.0	1653.7	1655.9	1653.2	1655.5	1654.6	1646.4	1632.3	1605.9	1577.6	1553.1
17.5°	1523.6	1529.6	1544.5	1554.6	1567.4	1594.3	1607.6	1612.7	1608.8	1592.8	1575.5
20°	1387.4	1377.3	1419.2	1440.6	1458.8	1504.3	1543.5	1558.5	1582.6	1582.2	1577.6
22.5°	1194.4	1196.8	1236.4	1261.9	1315.0	1360.5	1405.2	1461.7	1508.3	1539.2	1557.3
25°	877.6	894.9	934.5	969.1	1028.2	1112.9	1189.8	1279.1	1363.2	1429.7	1493.0
27.5°	659.1	660.4	691.8	723.7	758.8	828.2	925.1	1031.6	1151.6	1250.7	1364.7
30°	564.5	561.7	574.9	594.5	624.5	678.2	751.0	855.8	975.4	1124.7	1257.7
32.5°	497.4	497.6	507.6	522.0	547.0	583.2	633.0	718.1	831.3	978.0	1133.8
35°	432.4	431.9	439.3	449.7	460.2	483.4	517.5	562.1	640.0	776.9	936.3
37.5°	385.8	387.8	391.4	397.9	409.5	422.4	442.9	472.9	528.2	609.3	743.2
40°	359.6	360.5	365.5	371.0	377.8	387.8	404.7	428.7	469.3	534.0	631.8
42.5°	335.6	336.4	340.0	345.1	350.4	360.5	374.4	395.3	428.1	478.6	559.3
45°	300.4	300.4	303.6	305.9	311.8	320.9	332.3	349.6	372.4	409.7	463.3
47.5°	267.4	267.5	269.7	273.6	277.3	284.4	295.6	309.7	326.3	355.2	401.0
50°	248.5	249.0	250.3	253.5	255.8	262.2	270.8	283.1	300.4	322.7	361.0
52.5°	233.3	232.9	234.7	236.0	237.6	242.2	248.6	259.5	274.9	294.4	326.0
55°	208.5	206.6	209.4	211.7	213.0	214.8	218.5	225.3	238.5	254.9	278.6
57.5°	177.5	176.8	178.7	180.8	185.1	190.0	193.1	197.4	204.3	216.1	239.5
60°	152.0	152.0	156.1	157.5	162.5	168.9	175.2	178.9	185.7	193.4	210.7
62.5°	129.5	129.8	131.7	133.1	135.9	143.7	152.7	160.7	167.1	174.5	186.0
65°	108.3	109.2	109.2	110.1	112.0	113.8	117.4	123.8	135.2	145.6	154.3
67.5°	91.9	92.2	92.5	93.4	93.9	95.9	97.3	100.1	102.8	112.7	123.4
70°	81.1	82.4	81.9	82.8	83.3	84.2	86.1	87.4	91.5	93.8	100.1
72.5°	70.8	71.8	71.7	72.3	73.5	73.7	75.1	76.5	79.1	81.1	84.4
75°	57.3	56.9	57.3	58.2	58.7	59.2	59.2	61.0	62.3	64.2	66.4
77.5°	44.2	44.7	44.6	44.7	44.8	45.6	45.5	46.4	47.7	48.6	49.7
80°	35.5	35.9	35.5	35.9	36.4	36.8	36.4	36.8	38.3	39.1	39.1
82.5°	27.5	27.6	27.8	27.9	28.0	28.1	28.8	28.9	29.9	29.7	30.1
85°	16.4	16.0	16.0	16.0	16.4	16.9	16.4	16.4	16.9	16.9	16.9
87.5°	11.7	12.0	12.0	12.0	12.0	11.9	11.5	12.2	12.0	12.6	12.0
90°	29.3	29.3	29.3	29.3	29.3	28.4	26.7	28.4	29.3	30.2	29.3
92.5°	49.3	50.7	50.0	52.9	53.6	59.1	66.6	77.6	97.7	115.7	114.0
95°	101.5	100.6	103.3	110.4	121.9	141.5	178.9	233.2	305.2	348.8	308.8
97.5°	199.7	207.1	220.2	242.1	284.6	348.8	445.1	544.1	624.7	595.6	448.5
100°	318.6	334.7	360.4	398.7	472.6	580.2	702.1	812.5	831.3	703.0	484.1
102.5°	560.7	582.4	614.6	679.9	760.2	874.3	963.5	988.4	908.1	706.6	470.6
105°	1003.0	1015.4	1053.7	1108.8	1164.0	1193.5	1181.9	1081.3	896.2	659.4	444.1
107.5°	1281.2	1297.7	1305.4	1308.4	1301.5	1258.4	1165.8	1014.4	818.1	608.9	430.9
110°	1365.2	1366.1	1358.1	1341.1	1302.9	1229.9	1116.0	956.7	768.9	584.7	428.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1363.8	1359.0	1343.8	1315.5	1262.3	1178.7	1056.9	904.0	734.8	569.0	428.7
115°	1319.8	1311.8	1288.6	1247.7	1184.5	1092.9	976.2	839.2	692.4	551.8	432.5
117.5°	1241.3	1234.6	1210.1	1166.9	1102.5	1016.5	910.8	790.4	665.7	543.4	438.9
120°	1190.8	1181.9	1156.0	1114.2	1052.0	970.9	876.6	766.2	651.5	538.4	443.2
122.5°	1138.1	1130.6	1107.6	1066.5	1010.7	937.5	848.1	747.0	639.4	535.6	448.2
125°	1070.6	1063.5	1041.3	1007.5	955.8	889.0	810.7	719.1	622.1	530.4	455.7
127.5°	1011.6	1005.8	986.6	954.9	909.9	848.3	774.5	691.5	606.1	527.4	463.3
130°	978.0	970.9	953.1	922.9	879.3	820.6	750.2	673.7	595.4	525.9	469.0
132.5°	943.2	936.7	920.4	890.1	847.2	792.0	727.5	656.6	586.8	525.2	474.7
135°	887.3	883.7	867.7	838.3	800.0	750.2	691.5	632.8	574.9	524.1	481.4
137.5°	832.5	827.2	813.1	787.8	752.9	709.4	662.8	613.7	566.5	524.0	487.5
140°	794.7	789.4	776.1	752.9	724.4	685.3	644.4	601.6	561.6	523.3	490.4
142.5°	757.0	755.9	744.0	723.0	696.0	663.2	627.9	591.7	556.6	523.3	492.5
145°	708.4	705.7	696.9	681.7	660.3	634.5	607.0	577.6	550.0	521.5	494.8
147.5°	667.6	666.0	660.0	647.9	630.3	611.4	589.9	566.7	543.2	518.4	495.5
150°	643.5	642.6	637.2	626.5	613.1	597.2	578.5	558.9	537.5	516.2	494.8
152.5°	622.8	622.6	618.7	609.4	599.0	585.1	569.2	551.1	532.5	512.6	493.4
155°	595.4	597.2	593.6	587.4	577.6	567.8	554.5	540.2	523.3	506.4	491.2
157.5°	572.0	572.0	570.4	565.3	558.4	550.7	539.5	527.5	514.6	500.0	487.1
160°	557.1	557.1	556.2	551.8	545.5	539.3	529.5	519.7	508.2	495.7	485.0
162.5°	542.9	543.6	542.7	539.7	533.4	528.6	520.2	511.9	502.5	492.1	482.9
165°	522.4	523.3	523.3	519.7	516.2	512.6	506.4	500.2	493.0	485.0	478.8
167.5°	503.5	504.6	504.8	502.8	501.2	498.0	493.7	488.9	483.8	478.8	474.7
170°	492.1	493.9	494.8	492.1	491.2	489.5	485.9	483.2	478.8	475.2	472.6
172.5°	482.9	483.9	484.8	483.6	482.7	481.6	478.8	476.8	473.9	471.0	469.8
175°	470.8	472.6	473.5	472.6	472.6	471.7	470.8	469.9	467.3	466.4	465.5
177.5°	463.5	464.9	465.7	465.7	465.7	465.7	464.9	464.9	463.5	462.8	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1341.3	1338.4	1335.9	1329.3	1326.1	1318.8	1317.7	1317.3	1307.8	1298.7	1296.2
5°	1387.4	1380.1	1369.1	1356.4	1343.2	1329.5	1320.4	1313.2	1294.9	1277.6	1267.7
7.5°	1433.8	1418.2	1399.3	1375.2	1355.0	1332.5	1315.7	1300.7	1274.9	1250.1	1233.4
10°	1468.4	1442.9	1417.9	1384.6	1358.7	1333.2	1309.6	1289.1	1259.9	1227.2	1203.9
12.5°	1489.9	1461.9	1427.4	1394.8	1361.3	1328.8	1297.2	1270.9	1236.6	1202.7	1175.2
15°	1518.9	1488.9	1447.0	1400.6	1357.4	1315.0	1278.6	1245.8	1201.2	1160.7	1127.0
17.5°	1542.7	1501.4	1456.3	1402.7	1352.6	1298.8	1251.9	1210.1	1160.4	1111.5	1071.8
20°	1550.3	1509.4	1457.5	1403.7	1344.6	1281.3	1230.8	1185.3	1132.0	1078.8	1033.2
22.5°	1545.6	1513.8	1456.0	1391.8	1331.1	1264.9	1207.8	1155.0	1096.0	1041.6	988.8
25°	1513.5	1502.5	1448.0	1377.8	1308.7	1231.7	1165.7	1107.9	1040.5	982.3	924.9
27.5°	1438.5	1462.1	1428.3	1353.6	1276.7	1194.2	1120.0	1054.2	984.3	918.7	861.6
30°	1366.5	1420.6	1406.0	1336.9	1250.8	1169.8	1086.5	1017.8	943.2	875.7	819.3
32.5°	1267.7	1357.3	1371.5	1313.6	1224.6	1135.6	1048.3	979.9	902.0	831.0	776.0
35°	1110.6	1244.5	1305.9	1269.0	1179.8	1083.8	993.6	914.0	835.7	765.6	711.0
37.5°	923.2	1105.5	1207.8	1210.5	1128.5	1028.7	930.6	851.5	771.3	702.5	643.5
40°	801.6	999.1	1132.5	1162.1	1092.9	985.0	885.7	805.2	726.9	659.5	591.7
42.5°	692.3	889.1	1053.1	1104.6	1049.5	942.4	842.8	758.6	682.5	618.8	549.5
45°	559.9	731.9	912.7	1004.6	974.1	874.9	769.7	689.6	618.1	563.0	496.6
47.5°	472.3	593.5	768.4	892.8	892.2	801.6	698.2	621.5	555.3	503.6	449.8
50°	422.4	528.0	675.9	817.1	828.8	752.9	654.5	578.5	516.7	462.4	419.2
52.5°	377.6	464.7	597.6	732.9	766.6	700.8	605.4	535.2	475.1	425.3	388.3
55°	319.1	386.5	487.5	614.0	665.0	618.6	534.0	468.4	419.6	377.8	345.9
57.5°	269.9	320.5	401.5	503.5	562.8	533.6	463.7	410.5	368.8	330.9	305.8
60°	239.0	280.4	349.1	434.3	499.8	479.3	419.6	370.1	334.6	301.8	278.1
62.5°	209.8	245.4	304.3	373.4	433.5	425.1	376.3	334.7	303.6	273.8	253.7
65°	168.9	194.8	240.8	295.0	343.2	347.3	312.3	284.0	256.3	232.6	214.8
67.5°	134.5	151.4	183.8	229.4	265.6	278.5	257.1	235.5	213.5	195.2	179.8
70°	113.3	127.0	150.7	187.5	220.8	234.4	222.1	205.3	186.2	171.1	157.9
72.5°	91.8	105.1	122.6	149.6	178.2	192.9	188.6	176.6	161.0	148.6	136.1
75°	69.2	73.3	85.2	103.3	125.6	138.4	141.6	135.2	122.9	113.3	106.0
77.5°	51.2	53.6	59.3	68.8	83.4	94.8	99.4	98.7	90.2	84.6	77.8
80°	40.9	42.4	45.0	49.1	60.1	71.4	74.6	74.6	68.8	66.4	59.7
82.5°	31.1	32.1	33.8	36.0	41.1	51.1	54.7	55.4	51.6	48.6	43.2
85°	17.7	17.3	18.2	19.5	20.5	23.2	28.7	29.6	28.7	25.1	23.6
87.5°	11.0	10.1	9.2	8.3	8.3	8.4	9.5	10.7	9.8	9.5	9.1
90°	24.0	17.8	13.4	10.7	8.9	7.1	3.6	0.9	3.6	7.1	8.9
92.5°	88.8	60.5	40.4	32.0	25.9	22.1	15.7	10.9	15.7	22.1	25.9
95°	205.5	128.1	87.2	65.9	51.6	43.6	34.7	31.1	34.7	43.6	51.6
97.5°	277.0	169.1	117.6	93.5	77.0	65.0	55.6	50.7	55.6	65.0	77.0
100°	291.9	183.3	136.2	111.3	93.5	79.2	71.2	68.5	71.2	79.2	93.5
102.5°	292.7	196.2	152.6	127.6	109.1	94.9	86.9	84.9	86.9	94.9	109.1
105°	297.2	218.0	176.2	151.3	131.7	118.3	112.2	108.6	112.2	118.3	131.7
107.5°	309.5	240.5	199.9	174.8	155.4	143.1	137.1	134.2	137.1	143.1	155.4
110°	319.5	255.4	216.2	190.5	171.7	160.2	154.9	151.3	154.9	160.2	171.7





TEST NUMBER: P331695-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	330.2	269.7	231.9	205.4	187.4	176.6	170.5	166.9	170.5	176.6	187.4
115°	346.2	291.9	253.6	229.6	211.8	201.2	195.8	191.4	195.8	201.2	211.8
117.5°	363.3	312.4	277.0	252.0	235.0	225.5	220.2	216.6	220.2	225.5	235.0
120°	374.7	326.6	291.9	267.0	249.1	241.2	235.9	232.3	235.9	241.2	249.1
122.5°	384.6	340.1	307.6	282.0	264.1	255.4	250.0	247.3	250.0	255.4	264.1
125°	400.5	360.4	328.4	303.4	285.7	275.0	269.7	267.0	269.7	275.0	285.7
127.5°	415.3	379.3	348.1	322.5	305.4	293.6	286.2	282.7	286.2	293.6	305.4
130°	424.5	390.7	359.5	334.7	316.8	304.3	295.4	291.9	295.4	304.3	316.8
132.5°	433.7	400.6	371.0	346.0	327.5	314.3	304.7	300.4	304.7	314.3	327.5
135°	445.9	414.7	386.2	361.3	340.8	327.5	316.8	313.3	316.8	327.5	340.8
137.5°	455.1	426.1	398.0	374.9	354.5	340.3	329.7	325.4	329.7	340.3	354.5
140°	460.1	432.5	405.8	382.7	363.1	348.8	338.2	334.7	338.2	348.8	363.1
142.5°	464.4	437.5	411.5	389.8	371.0	356.7	346.7	343.8	346.7	356.7	371.0
145°	469.9	445.0	421.0	401.4	383.6	370.2	361.3	357.8	361.3	370.2	383.6
147.5°	473.0	451.0	428.5	411.0	396.2	383.9	375.4	372.7	375.4	383.9	396.2
150°	474.3	453.9	433.4	417.4	404.0	392.4	385.3	382.7	385.3	392.4	404.0
152.5°	475.0	456.7	438.4	423.8	411.2	401.0	393.9	392.6	393.9	401.0	411.2
155°	476.1	461.0	445.9	432.5	422.8	413.0	407.6	406.7	407.6	413.0	422.8
157.5°	476.1	464.0	451.2	440.0	432.1	423.7	419.4	418.5	419.4	423.7	432.1
160°	476.1	465.5	454.8	445.0	437.8	430.7	427.2	426.3	427.2	430.7	437.8
162.5°	475.4	466.2	456.9	449.2	442.8	437.1	433.5	434.1	433.5	437.1	442.8
165°	473.5	467.3	459.2	453.9	449.4	444.1	442.3	443.2	442.3	444.1	449.4
167.5°	472.3	467.1	461.2	457.8	454.6	451.2	449.6	450.7	449.6	451.2	454.6
170°	470.8	466.4	461.9	459.2	457.4	454.8	453.9	455.7	453.9	454.8	457.4
172.5°	468.7	465.7	462.6	460.7	459.6	456.9	457.4	458.5	457.4	456.9	459.6
175°	466.4	464.6	462.8	461.9	461.9	460.1	461.0	461.9	461.0	460.1	461.9
177.5°	464.9	463.5	462.8	462.8	462.8	461.4	462.1	463.5	462.1	461.4	462.8
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331695-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1291.5	1288.9	1284.2	1276.8	1272.5	1264.8	1259.7	1262.7	1263.4	1262.7	1261.9
5°	1256.8	1247.1	1233.9	1221.2	1209.4	1196.7	1189.4	1186.2	1179.8	1176.2	1174.4
7.5°	1214.8	1198.3	1179.6	1157.4	1138.5	1118.8	1108.8	1103.7	1090.7	1083.6	1077.4
10°	1183.5	1157.5	1138.9	1109.7	1092.0	1066.0	1048.3	1048.7	1031.0	1020.9	1013.7
12.5°	1148.9	1120.3	1089.3	1063.1	1038.4	1017.6	996.2	987.6	968.7	959.0	939.4
15°	1091.5	1058.3	1025.6	990.0	965.0	932.6	901.7	863.9	833.4	807.0	799.8
17.5°	1028.9	987.7	954.8	913.2	870.3	815.9	780.1	758.1	739.8	725.9	715.4
20°	985.9	944.1	909.0	846.1	788.4	751.5	725.1	708.3	689.1	674.1	665.9
22.5°	940.8	897.1	849.3	779.2	734.1	704.5	681.0	661.6	648.7	636.9	629.5
25°	876.6	828.8	750.1	701.9	665.5	634.5	618.1	606.3	592.6	576.7	569.4
27.5°	809.0	732.9	676.4	640.5	605.7	585.6	570.9	553.2	541.0	533.9	526.3
30°	758.3	682.3	638.2	599.1	574.4	552.1	534.8	524.9	513.0	500.7	495.7
32.5°	701.9	641.1	598.9	566.2	541.3	522.3	508.6	492.4	483.8	476.3	465.8
35°	631.8	585.9	547.2	520.8	497.0	481.6	465.7	456.1	440.6	434.3	430.2
37.5°	572.4	532.5	503.7	475.8	457.1	440.0	430.3	415.0	408.3	399.5	390.8
40°	539.0	499.8	472.0	449.2	428.3	415.5	403.3	391.0	380.9	376.9	366.4
42.5°	504.7	472.9	445.1	420.1	406.1	392.6	377.1	368.1	357.7	351.1	344.6
45°	457.4	429.3	405.6	385.0	369.6	355.5	345.4	330.5	324.6	311.3	305.9
47.5°	416.0	389.7	367.1	347.7	332.5	323.3	308.7	296.9	287.5	279.4	272.4
50°	386.5	364.6	342.8	325.5	311.8	298.6	283.6	277.7	263.1	259.0	254.9
52.5°	359.5	338.8	318.7	301.8	288.1	275.3	262.1	254.3	244.5	240.4	237.5
55°	321.8	301.8	282.7	267.6	254.0	240.8	232.6	223.0	218.5	215.3	211.7
57.5°	283.9	265.9	251.3	236.0	222.3	211.9	202.3	196.6	191.9	187.7	183.3
60°	259.9	242.6	229.4	215.3	201.2	192.5	185.3	178.4	173.0	166.6	164.8
62.5°	234.4	219.3	207.2	193.4	181.2	173.3	166.3	159.9	153.3	144.0	141.4
65°	199.4	187.5	174.8	163.5	152.5	144.7	134.7	127.4	124.8	123.8	123.3
67.5°	167.7	156.5	145.5	133.9	123.9	116.8	111.7	110.6	108.7	108.2	106.9
70°	146.6	136.1	125.2	114.2	104.7	103.3	101.5	99.7	97.4	96.5	95.6
72.5°	127.6	116.8	105.8	97.1	93.0	91.3	89.5	87.7	86.1	85.2	84.6
75°	97.8	87.8	80.6	77.4	75.1	73.7	71.0	69.6	68.8	67.3	66.9
77.5°	70.4	64.8	61.4	59.5	57.1	55.6	54.0	52.7	51.7	51.5	50.7
80°	53.7	51.0	48.7	46.0	45.0	43.2	42.8	41.5	41.9	40.5	40.5
82.5°	41.7	38.3	36.3	35.0	34.2	32.7	32.2	31.6	31.7	30.7	30.7
85°	21.4	20.5	19.5	18.6	18.6	17.3	17.7	17.3	17.3	16.4	16.0
87.5°	9.1	9.2	9.4	10.6	11.7	11.5	11.3	10.8	10.4	10.8	10.6
90°	10.7	13.4	17.8	24.0	29.3	30.2	29.3	28.4	26.7	28.4	29.3
92.5°	32.0	40.4	60.5	88.8	114.0	115.7	97.7	77.6	66.6	59.1	53.6
95°	65.9	87.2	128.1	205.5	308.8	348.8	305.2	233.2	178.9	141.5	121.9
97.5°	93.5	117.6	169.1	277.0	448.5	595.6	624.7	544.1	445.1	348.8	284.6
100°	111.3	136.2	183.3	291.9	484.1	703.0	831.3	812.5	702.1	580.2	472.6
102.5°	127.6	152.6	196.2	292.7	470.6	706.6	908.1	988.4	963.5	874.3	760.2
105°	151.3	176.2	218.0	297.2	444.1	659.4	896.2	1081.3	1181.9	1193.5	1164.0
107.5°	174.8	199.9	240.5	309.5	430.9	608.9	818.1	1014.4	1165.8	1258.4	1301.5
110°	190.5	216.2	255.4	319.5	428.1	584.7	768.9	956.7	1116.0	1229.9	1302.9



TEST NUMBER: P331695-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	205.4	231.9	269.7	330.2	428.7	569.0	734.8	904.0	1056.9	1178.7	1262.3
115°	229.6	253.6	291.9	346.2	432.5	551.8	692.4	839.2	976.2	1092.9	1184.5
117.5°	252.0	277.0	312.4	363.3	438.9	543.4	665.7	790.4	910.8	1016.5	1102.5
120°	267.0	291.9	326.6	374.7	443.2	538.4	651.5	766.2	876.6	970.9	1052.0
122.5°	282.0	307.6	340.1	384.6	448.2	535.6	639.4	747.0	848.1	937.5	1010.7
125°	303.4	328.4	360.4	400.5	455.7	530.4	622.1	719.1	810.7	889.0	955.8
127.5°	322.5	348.1	379.3	415.3	463.3	527.4	606.1	691.5	774.5	848.3	909.9
130°	334.7	359.5	390.7	424.5	469.0	525.9	595.4	673.7	750.2	820.6	879.3
132.5°	346.0	371.0	400.6	433.7	474.7	525.2	586.8	656.6	727.5	792.0	847.2
135°	361.3	386.2	414.7	445.9	481.4	524.1	574.9	632.8	691.5	750.2	800.0
137.5°	374.9	398.0	426.1	455.1	487.5	524.0	566.5	613.7	662.8	709.4	752.9
140°	382.7	405.8	432.5	460.1	490.4	523.3	561.6	601.6	644.4	685.3	724.4
142.5°	389.8	411.5	437.5	464.4	492.5	523.3	556.6	591.7	627.9	663.2	696.0
145°	401.4	421.0	445.0	469.9	494.8	521.5	550.0	577.6	607.0	634.5	660.3
147.5°	411.0	428.5	451.0	473.0	495.5	518.4	543.2	566.7	589.9	611.4	630.3
150°	417.4	433.4	453.9	474.3	494.8	516.2	537.5	558.9	578.5	597.2	613.1
152.5°	423.8	438.4	456.7	475.0	493.4	512.6	532.5	551.1	569.2	585.1	599.0
155°	432.5	445.9	461.0	476.1	491.2	506.4	523.3	540.2	554.5	567.8	577.6
157.5°	440.0	451.2	464.0	476.1	487.1	500.0	514.6	527.5	539.5	550.7	558.4
160°	445.0	454.8	465.5	476.1	485.0	495.7	508.2	519.7	529.5	539.3	545.5
162.5°	449.2	456.9	466.2	475.4	482.9	492.1	502.5	511.9	520.2	528.6	533.4
165°	453.9	459.2	467.3	473.5	478.8	485.0	493.0	500.2	506.4	512.6	516.2
167.5°	457.8	461.2	467.1	472.3	474.7	478.8	483.8	488.9	493.7	498.0	501.2
170°	459.2	461.9	466.4	470.8	472.6	475.2	478.8	483.2	485.9	489.5	491.2
172.5°	460.7	462.6	465.7	468.7	469.8	471.0	473.9	476.8	478.8	481.6	482.7
175°	461.9	462.8	464.6	466.4	465.5	466.4	467.3	469.9	470.8	471.7	472.6
177.5°	462.8	462.8	463.5	464.9	463.5	462.8	463.5	464.9	464.9	465.7	465.7
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331695-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1257.9	1258.6	1257.6	1258.3	1257.6	1258.6	1257.9	1261.9	1262.7	1263.4	1262.7
5°	1172.1	1166.6	1165.7	1164.3	1165.7	1166.6	1172.1	1174.4	1176.2	1179.8	1186.2
7.5°	1069.6	1068.7	1066.5	1063.3	1066.5	1068.7	1069.6	1077.4	1083.6	1090.7	1103.7
10°	1003.6	1001.4	1000.9	997.7	1000.9	1001.4	1003.6	1013.7	1020.9	1031.0	1048.7
12.5°	926.5	911.8	910.3	902.3	910.3	911.8	926.5	939.4	959.0	968.7	987.6
15°	788.8	786.1	776.9	771.1	776.9	786.1	788.8	799.8	807.0	833.4	863.9
17.5°	710.2	701.2	698.4	697.1	698.4	701.2	710.2	715.4	725.9	739.8	758.1
20°	659.5	651.4	650.0	649.1	650.0	651.4	659.5	665.9	674.1	689.1	708.3
22.5°	624.6	616.0	612.5	609.8	612.5	616.0	624.6	629.5	636.9	648.7	661.6
25°	564.9	561.7	559.9	558.9	559.9	561.7	564.9	569.4	576.7	592.6	606.3
27.5°	518.2	511.1	509.8	507.5	509.8	511.1	518.2	526.3	533.9	541.0	553.2
30°	491.6	489.3	486.2	483.4	486.2	489.3	491.6	495.7	500.7	513.0	524.9
32.5°	460.3	458.3	455.6	454.2	455.6	458.3	460.3	465.8	476.3	483.8	492.4
35°	425.6	419.2	416.5	412.4	416.5	419.2	425.6	430.2	434.3	440.6	456.1
37.5°	388.9	385.6	381.7	383.1	381.7	385.6	388.9	390.8	399.5	408.3	415.0
40°	360.5	358.2	357.3	356.9	357.3	358.2	360.5	366.4	376.9	380.9	391.0
42.5°	338.0	331.6	329.3	329.2	329.3	331.6	338.0	344.6	351.1	357.7	368.1
45°	303.6	297.7	293.6	294.1	293.6	297.7	303.6	305.9	311.3	324.6	330.5
47.5°	268.5	268.3	265.7	266.5	265.7	268.3	268.5	272.4	279.4	287.5	296.9
50°	251.7	249.0	247.2	247.6	247.2	249.0	251.7	254.9	259.0	263.1	277.7
52.5°	235.7	233.4	231.8	233.8	231.8	233.4	235.7	237.5	240.4	244.5	254.3
55°	209.4	206.6	206.2	205.7	206.2	206.6	209.4	211.7	215.3	218.5	223.0
57.5°	179.9	178.2	175.4	174.2	175.4	178.2	179.9	183.3	187.7	191.9	196.6
60°	158.8	155.2	150.7	150.2	150.7	155.2	158.8	164.8	166.6	173.0	178.4
62.5°	139.6	138.8	137.9	137.9	137.9	138.8	139.6	141.4	144.0	153.3	159.9
65°	122.4	122.0	122.4	122.9	122.4	122.0	122.4	123.3	123.8	124.8	127.4
67.5°	106.7	105.8	105.0	105.4	105.0	105.8	106.7	106.9	108.2	108.7	110.6
70°	94.7	94.3	93.8	93.8	93.8	94.3	94.7	95.6	96.5	97.4	99.7
72.5°	83.0	82.9	82.5	82.1	82.5	82.9	83.0	84.6	85.2	86.1	87.7
75°	66.4	65.5	65.5	65.5	65.5	65.5	66.4	66.9	67.3	68.8	69.6
77.5°	50.6	50.2	49.7	49.3	49.7	50.2	50.6	50.7	51.5	51.7	52.7
80°	40.0	39.6	39.1	39.1	39.1	39.6	40.0	40.5	40.5	41.9	41.5
82.5°	30.6	30.1	30.1	29.7	30.1	30.1	30.6	30.7	30.7	31.7	31.6
85°	16.4	16.9	16.4	17.3	16.4	16.9	16.4	16.0	16.4	17.3	17.3
87.5°	10.6	10.3	10.6	10.3	10.6	10.3	10.6	10.6	10.8	10.4	10.8
90°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	28.4	26.7	28.4
92.5°	52.9	50.0	50.7	49.3	50.7	50.0	52.9	53.6	59.1	66.6	77.6
95°	110.4	103.3	100.6	101.5	100.6	103.3	110.4	121.9	141.5	178.9	233.2
97.5°	242.1	220.2	207.1	199.7	207.1	220.2	242.1	284.6	348.8	445.1	544.1
100°	398.7	360.4	334.7	318.6	334.7	360.4	398.7	472.6	580.2	702.1	812.5
102.5°	679.9	614.6	582.4	560.7	582.4	614.6	679.9	760.2	874.3	963.5	988.4
105°	1108.8	1053.7	1015.4	1003.0	1015.4	1053.7	1108.8	1164.0	1193.5	1181.9	1081.3
107.5°	1308.4	1305.4	1297.7	1281.2	1297.7	1305.4	1308.4	1301.5	1258.4	1165.8	1014.4
110°	1341.1	1358.1	1366.1	1365.2	1366.1	1358.1	1341.1	1302.9	1229.9	1116.0	956.7



TEST NUMBER: P331695-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1315.5	1343.8	1359.0	1363.8	1359.0	1343.8	1315.5	1262.3	1178.7	1056.9	904.0
115°	1247.7	1288.6	1311.8	1319.8	1311.8	1288.6	1247.7	1184.5	1092.9	976.2	839.2
117.5°	1166.9	1210.1	1234.6	1241.3	1234.6	1210.1	1166.9	1102.5	1016.5	910.8	790.4
120°	1114.2	1156.0	1181.9	1190.8	1181.9	1156.0	1114.2	1052.0	970.9	876.6	766.2
122.5°	1066.5	1107.6	1130.6	1138.1	1130.6	1107.6	1066.5	1010.7	937.5	848.1	747.0
125°	1007.5	1041.3	1063.5	1070.6	1063.5	1041.3	1007.5	955.8	889.0	810.7	719.1
127.5°	954.9	986.6	1005.8	1011.6	1005.8	986.6	954.9	909.9	848.3	774.5	691.5
130°	922.9	953.1	970.9	978.0	970.9	953.1	922.9	879.3	820.6	750.2	673.7
132.5°	890.1	920.4	936.7	943.2	936.7	920.4	890.1	847.2	792.0	727.5	656.6
135°	838.3	867.7	883.7	887.3	883.7	867.7	838.3	800.0	750.2	691.5	632.8
137.5°	787.8	813.1	827.2	832.5	827.2	813.1	787.8	752.9	709.4	662.8	613.7
140°	752.9	776.1	789.4	794.7	789.4	776.1	752.9	724.4	685.3	644.4	601.6
142.5°	723.0	744.0	755.9	757.0	755.9	744.0	723.0	696.0	663.2	627.9	591.7
145°	681.7	696.9	705.7	708.4	705.7	696.9	681.7	660.3	634.5	607.0	577.6
147.5°	647.9	660.0	666.0	667.6	666.0	660.0	647.9	630.3	611.4	589.9	566.7
150°	626.5	637.2	642.6	643.5	642.6	637.2	626.5	613.1	597.2	578.5	558.9
152.5°	609.4	618.7	622.6	622.8	622.6	618.7	609.4	599.0	585.1	569.2	551.1
155°	587.4	593.6	597.2	595.4	597.2	593.6	587.4	577.6	567.8	554.5	540.2
157.5°	565.3	570.4	572.0	572.0	572.0	570.4	565.3	558.4	550.7	539.5	527.5
160°	551.8	556.2	557.1	557.1	557.1	556.2	551.8	545.5	539.3	529.5	519.7
162.5°	539.7	542.7	543.6	542.9	543.6	542.7	539.7	533.4	528.6	520.2	511.9
165°	519.7	523.3	523.3	522.4	523.3	523.3	519.7	516.2	512.6	506.4	500.2
167.5°	502.8	504.8	504.6	503.5	504.6	504.8	502.8	501.2	498.0	493.7	488.9
170°	492.1	494.8	493.9	492.1	493.9	494.8	492.1	491.2	489.5	485.9	483.2
172.5°	483.6	484.8	483.9	482.9	483.9	484.8	483.6	482.7	481.6	478.8	476.8
175°	472.6	473.5	472.6	470.8	472.6	473.5	472.6	472.6	471.7	470.8	469.9
177.5°	465.7	465.7	464.9	463.5	464.9	465.7	465.7	465.7	465.7	464.9	464.9
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331695-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1259.7	1264.8	1272.5	1276.8	1284.2	1288.9	1291.5	1296.2	1298.7	1307.8	1317.3
5°	1189.4	1196.7	1209.4	1221.2	1233.9	1247.1	1256.8	1267.7	1277.6	1294.9	1313.2
7.5°	1108.8	1118.8	1138.5	1157.4	1179.6	1198.3	1214.8	1233.4	1250.1	1274.9	1300.7
10°	1048.3	1066.0	1092.0	1109.7	1138.9	1157.5	1183.5	1203.9	1227.2	1259.9	1289.1
12.5°	996.2	1017.6	1038.4	1063.1	1089.3	1120.3	1148.9	1175.2	1202.7	1236.6	1270.9
15°	901.7	932.6	965.0	990.0	1025.6	1058.3	1091.5	1127.0	1160.7	1201.2	1245.8
17.5°	780.1	815.9	870.3	913.2	954.8	987.7	1028.9	1071.8	1111.5	1160.4	1210.1
20°	725.1	751.5	788.4	846.1	909.0	944.1	985.9	1033.2	1078.8	1132.0	1185.3
22.5°	681.0	704.5	734.1	779.2	849.3	897.1	940.8	988.8	1041.6	1096.0	1155.0
25°	618.1	634.5	665.5	701.9	750.1	828.8	876.6	924.9	982.3	1040.5	1107.9
27.5°	570.9	585.6	605.7	640.5	676.4	732.9	809.0	861.6	918.7	984.3	1054.2
30°	534.8	552.1	574.4	599.1	638.2	682.3	758.3	819.3	875.7	943.2	1017.8
32.5°	508.6	522.3	541.3	566.2	598.9	641.1	701.9	776.0	831.0	902.0	979.9
35°	465.7	481.6	497.0	520.8	547.2	585.9	631.8	711.0	765.6	835.7	914.0
37.5°	430.3	440.0	457.1	475.8	503.7	532.5	572.4	643.5	702.5	771.3	851.5
40°	403.3	415.5	428.3	449.2	472.0	499.8	539.0	591.7	659.5	726.9	805.2
42.5°	377.1	392.6	406.1	420.1	445.1	472.9	504.7	549.5	618.8	682.5	758.6
45°	345.4	355.5	369.6	385.0	405.6	429.3	457.4	496.6	563.0	618.1	689.6
47.5°	308.7	323.3	332.5	347.7	367.1	389.7	416.0	449.8	503.6	555.3	621.5
50°	283.6	298.6	311.8	325.5	342.8	364.6	386.5	419.2	462.4	516.7	578.5
52.5°	262.1	275.3	288.1	301.8	318.7	338.8	359.5	388.3	425.3	475.1	535.2
55°	232.6	240.8	254.0	267.6	282.7	301.8	321.8	345.9	377.8	419.6	468.4
57.5°	202.3	211.9	222.3	236.0	251.3	265.9	283.9	305.8	330.9	368.8	410.5
60°	185.3	192.5	201.2	215.3	229.4	242.6	259.9	278.1	301.8	334.6	370.1
62.5°	166.3	173.3	181.2	193.4	207.2	219.3	234.4	253.7	273.8	303.6	334.7
65°	134.7	144.7	152.5	163.5	174.8	187.5	199.4	214.8	232.6	256.3	284.0
67.5°	111.7	116.8	123.9	133.9	145.5	156.5	167.7	179.8	195.2	213.5	235.5
70°	101.5	103.3	104.7	114.2	125.2	136.1	146.6	157.9	171.1	186.2	205.3
72.5°	89.5	91.3	93.0	97.1	105.8	116.8	127.6	136.1	148.6	161.0	176.6
75°	71.0	73.7	75.1	77.4	80.6	87.8	97.8	106.0	113.3	122.9	135.2
77.5°	54.0	55.6	57.1	59.5	61.4	64.8	70.4	77.8	84.6	90.2	98.7
80°	42.8	43.2	45.0	46.0	48.7	51.0	53.7	59.7	66.4	68.8	74.6
82.5°	32.2	32.7	34.2	35.0	36.3	38.3	41.7	43.2	48.6	51.6	55.4
85°	17.7	17.3	18.6	18.6	19.5	20.5	21.4	23.6	25.1	28.7	29.6
87.5°	11.3	11.5	11.7	10.6	9.4	9.2	9.1	9.1	9.5	9.8	10.7
90°	29.3	30.2	29.3	24.0	17.8	13.4	10.7	8.9	7.1	3.6	0.9
92.5°	97.7	115.7	114.0	88.8	60.5	40.4	32.0	25.9	22.1	15.7	10.9
95°	305.2	348.8	308.8	205.5	128.1	87.2	65.9	51.6	43.6	34.7	31.1
97.5°	624.7	595.6	448.5	277.0	169.1	117.6	93.5	77.0	65.0	55.6	50.7
100°	831.3	703.0	484.1	291.9	183.3	136.2	111.3	93.5	79.2	71.2	68.5
102.5°	908.1	706.6	470.6	292.7	196.2	152.6	127.6	109.1	94.9	86.9	84.9
105°	896.2	659.4	444.1	297.2	218.0	176.2	151.3	131.7	118.3	112.2	108.6
107.5°	818.1	608.9	430.9	309.5	240.5	199.9	174.8	155.4	143.1	137.1	134.2
110°	768.9	584.7	428.1	319.5	255.4	216.2	190.5	171.7	160.2	154.9	151.3



TEST NUMBER: P331695-940  
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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	734.8	569.0	428.7	330.2	269.7	231.9	205.4	187.4	176.6	170.5	166.9
115°	692.4	551.8	432.5	346.2	291.9	253.6	229.6	211.8	201.2	195.8	191.4
117.5°	665.7	543.4	438.9	363.3	312.4	277.0	252.0	235.0	225.5	220.2	216.6
120°	651.5	538.4	443.2	374.7	326.6	291.9	267.0	249.1	241.2	235.9	232.3
122.5°	639.4	535.6	448.2	384.6	340.1	307.6	282.0	264.1	255.4	250.0	247.3
125°	622.1	530.4	455.7	400.5	360.4	328.4	303.4	285.7	275.0	269.7	267.0
127.5°	606.1	527.4	463.3	415.3	379.3	348.1	322.5	305.4	293.6	286.2	282.7
130°	595.4	525.9	469.0	424.5	390.7	359.5	334.7	316.8	304.3	295.4	291.9
132.5°	586.8	525.2	474.7	433.7	400.6	371.0	346.0	327.5	314.3	304.7	300.4
135°	574.9	524.1	481.4	445.9	414.7	386.2	361.3	340.8	327.5	316.8	313.3
137.5°	566.5	524.0	487.5	455.1	426.1	398.0	374.9	354.5	340.3	329.7	325.4
140°	561.6	523.3	490.4	460.1	432.5	405.8	382.7	363.1	348.8	338.2	334.7
142.5°	556.6	523.3	492.5	464.4	437.5	411.5	389.8	371.0	356.7	346.7	343.8
145°	550.0	521.5	494.8	469.9	445.0	421.0	401.4	383.6	370.2	361.3	357.8
147.5°	543.2	518.4	495.5	473.0	451.0	428.5	411.0	396.2	383.9	375.4	372.7
150°	537.5	516.2	494.8	474.3	453.9	433.4	417.4	404.0	392.4	385.3	382.7
152.5°	532.5	512.6	493.4	475.0	456.7	438.4	423.8	411.2	401.0	393.9	392.6
155°	523.3	506.4	491.2	476.1	461.0	445.9	432.5	422.8	413.0	407.6	406.7
157.5°	514.6	500.0	487.1	476.1	464.0	451.2	440.0	432.1	423.7	419.4	418.5
160°	508.2	495.7	485.0	476.1	465.5	454.8	445.0	437.8	430.7	427.2	426.3
162.5°	502.5	492.1	482.9	475.4	466.2	456.9	449.2	442.8	437.1	433.5	434.1
165°	493.0	485.0	478.8	473.5	467.3	459.2	453.9	449.4	444.1	442.3	443.2
167.5°	483.8	478.8	474.7	472.3	467.1	461.2	457.8	454.6	451.2	449.6	450.7
170°	478.8	475.2	472.6	470.8	466.4	461.9	459.2	457.4	454.8	453.9	455.7
172.5°	473.9	471.0	469.8	468.7	465.7	462.6	460.7	459.6	456.9	457.4	458.5
175°	467.3	466.4	465.5	466.4	464.6	462.8	461.9	461.9	460.1	461.0	461.9
177.5°	463.5	462.8	463.5	464.9	463.5	462.8	462.8	462.8	461.4	462.1	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



TEST NUMBER: P331695-940

CATALOG NUMBER: SA2XXRDIP-C675D925U940-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1317.7	1318.8	1326.1	1329.3	1335.9	1338.4	1341.3	1340.6	1340.6	1342.0	1352.3
5°	1320.4	1329.5	1343.2	1356.4	1369.1	1380.1	1387.4	1394.6	1397.4	1410.6	1422.5
7.5°	1315.7	1332.5	1355.0	1375.2	1399.3	1418.2	1433.8	1448.0	1457.6	1476.8	1496.5
10°	1309.6	1333.2	1358.7	1384.6	1417.9	1442.9	1468.4	1488.0	1494.3	1523.0	1539.4
12.5°	1297.2	1328.8	1361.3	1394.8	1427.4	1461.9	1489.9	1509.5	1531.9	1557.6	1587.9
15°	1278.6	1315.0	1357.4	1400.6	1447.0	1488.9	1518.9	1553.1	1577.6	1605.9	1632.3
17.5°	1251.9	1298.8	1352.6	1402.7	1456.3	1501.4	1542.7	1575.5	1592.8	1608.8	1612.7
20°	1230.8	1281.3	1344.6	1403.7	1457.5	1509.4	1550.3	1577.6	1582.2	1582.6	1558.5
22.5°	1207.8	1264.9	1331.1	1391.8	1456.0	1513.8	1545.6	1557.3	1539.2	1508.3	1461.7
25°	1165.7	1231.7	1308.7	1377.8	1448.0	1502.5	1513.5	1493.0	1429.7	1363.2	1279.1
27.5°	1120.0	1194.2	1276.7	1353.6	1428.3	1462.1	1438.5	1364.7	1250.7	1151.6	1031.6
30°	1086.5	1169.8	1250.8	1336.9	1406.0	1420.6	1366.5	1257.7	1124.7	975.4	855.8
32.5°	1048.3	1135.6	1224.6	1313.6	1371.5	1357.3	1267.7	1133.8	978.0	831.3	718.1
35°	993.6	1083.8	1179.8	1269.0	1305.9	1244.5	1110.6	936.3	776.9	640.0	562.1
37.5°	930.6	1028.7	1128.5	1210.5	1207.8	1105.5	923.2	743.2	609.3	528.2	472.9
40°	885.7	985.0	1092.9	1162.1	1132.5	999.1	801.6	631.8	534.0	469.3	428.7
42.5°	842.8	942.4	1049.5	1104.6	1053.1	889.1	692.3	559.3	478.6	428.1	395.3
45°	769.7	874.9	974.1	1004.6	912.7	731.9	559.9	463.3	409.7	372.4	349.6
47.5°	698.2	801.6	892.2	892.8	768.4	593.5	472.3	401.0	355.2	326.3	309.7
50°	654.5	752.9	828.8	817.1	675.9	528.0	422.4	361.0	322.7	300.4	283.1
52.5°	605.4	700.8	766.6	732.9	597.6	464.7	377.6	326.0	294.4	274.9	259.5
55°	534.0	618.6	665.0	614.0	487.5	386.5	319.1	278.6	254.9	238.5	225.3
57.5°	463.7	533.6	562.8	503.5	401.5	320.5	269.9	239.5	216.1	204.3	197.4
60°	419.6	479.3	499.8	434.3	349.1	280.4	239.0	210.7	193.4	185.7	178.9
62.5°	376.3	425.1	433.5	373.4	304.3	245.4	209.8	186.0	174.5	167.1	160.7
65°	312.3	347.3	343.2	295.0	240.8	194.8	168.9	154.3	145.6	135.2	123.8
67.5°	257.1	278.5	265.6	229.4	183.8	151.4	134.5	123.4	112.7	102.8	100.1
70°	222.1	234.4	220.8	187.5	150.7	127.0	113.3	100.1	93.8	91.5	87.4
72.5°	188.6	192.9	178.2	149.6	122.6	105.1	91.8	84.4	81.1	79.1	76.5
75°	141.6	138.4	125.6	103.3	85.2	73.3	69.2	66.4	64.2	62.3	61.0
77.5°	99.4	94.8	83.4	68.8	59.3	53.6	51.2	49.7	48.6	47.7	46.4
80°	74.6	71.4	60.1	49.1	45.0	42.4	40.9	39.1	39.1	38.3	36.8
82.5°	54.7	51.1	41.1	36.0	33.8	32.1	31.1	30.1	29.7	29.9	28.9
85°	28.7	23.2	20.5	19.5	18.2	17.3	17.7	16.9	16.9	16.9	16.4
87.5°	9.5	8.4	8.3	8.3	9.2	10.1	11.0	12.0	12.6	12.0	12.2
90°	3.6	7.1	8.9	10.7	13.4	17.8	24.0	29.3	30.2	29.3	28.4
92.5°	15.7	22.1	25.9	32.0	40.4	60.5	88.8	114.0	115.7	97.7	77.6
95°	34.7	43.6	51.6	65.9	87.2	128.1	205.5	308.8	348.8	305.2	233.2
97.5°	55.6	65.0	77.0	93.5	117.6	169.1	277.0	448.5	595.6	624.7	544.1
100°	71.2	79.2	93.5	111.3	136.2	183.3	291.9	484.1	703.0	831.3	812.5
102.5°	86.9	94.9	109.1	127.6	152.6	196.2	292.7	470.6	706.6	908.1	988.4
105°	112.2	118.3	131.7	151.3	176.2	218.0	297.2	444.1	659.4	896.2	1081.3
107.5°	137.1	143.1	155.4	174.8	199.9	240.5	309.5	430.9	608.9	818.1	1014.4
110°	154.9	160.2	171.7	190.5	216.2	255.4	319.5	428.1	584.7	768.9	956.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	170.5	176.6	187.4	205.4	231.9	269.7	330.2	428.7	569.0	734.8	904.0
115°	195.8	201.2	211.8	229.6	253.6	291.9	346.2	432.5	551.8	692.4	839.2
117.5°	220.2	225.5	235.0	252.0	277.0	312.4	363.3	438.9	543.4	665.7	790.4
120°	235.9	241.2	249.1	267.0	291.9	326.6	374.7	443.2	538.4	651.5	766.2
122.5°	250.0	255.4	264.1	282.0	307.6	340.1	384.6	448.2	535.6	639.4	747.0
125°	269.7	275.0	285.7	303.4	328.4	360.4	400.5	455.7	530.4	622.1	719.1
127.5°	286.2	293.6	305.4	322.5	348.1	379.3	415.3	463.3	527.4	606.1	691.5
130°	295.4	304.3	316.8	334.7	359.5	390.7	424.5	469.0	525.9	595.4	673.7
132.5°	304.7	314.3	327.5	346.0	371.0	400.6	433.7	474.7	525.2	586.8	656.6
135°	316.8	327.5	340.8	361.3	386.2	414.7	445.9	481.4	524.1	574.9	632.8
137.5°	329.7	340.3	354.5	374.9	398.0	426.1	455.1	487.5	524.0	566.5	613.7
140°	338.2	348.8	363.1	382.7	405.8	432.5	460.1	490.4	523.3	561.6	601.6
142.5°	346.7	356.7	371.0	389.8	411.5	437.5	464.4	492.5	523.3	556.6	591.7
145°	361.3	370.2	383.6	401.4	421.0	445.0	469.9	494.8	521.5	550.0	577.6
147.5°	375.4	383.9	396.2	411.0	428.5	451.0	473.0	495.5	518.4	543.2	566.7
150°	385.3	392.4	404.0	417.4	433.4	453.9	474.3	494.8	516.2	537.5	558.9
152.5°	393.9	401.0	411.2	423.8	438.4	456.7	475.0	493.4	512.6	532.5	551.1
155°	407.6	413.0	422.8	432.5	445.9	461.0	476.1	491.2	506.4	523.3	540.2
157.5°	419.4	423.7	432.1	440.0	451.2	464.0	476.1	487.1	500.0	514.6	527.5
160°	427.2	430.7	437.8	445.0	454.8	465.5	476.1	485.0	495.7	508.2	519.7
162.5°	433.5	437.1	442.8	449.2	456.9	466.2	475.4	482.9	492.1	502.5	511.9
165°	442.3	444.1	449.4	453.9	459.2	467.3	473.5	478.8	485.0	493.0	500.2
167.5°	449.6	451.2	454.6	457.8	461.2	467.1	472.3	474.7	478.8	483.8	488.9
170°	453.9	454.8	457.4	459.2	461.9	466.4	470.8	472.6	475.2	478.8	483.2
172.5°	457.4	456.9	459.6	460.7	462.6	465.7	468.7	469.8	471.0	473.9	476.8
175°	461.0	460.1	461.9	461.9	462.8	464.6	466.4	465.5	466.4	467.3	469.9
177.5°	462.1	461.4	462.8	462.8	462.8	463.5	464.9	463.5	462.8	463.5	464.9
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8	462.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1355.8	1360.6	1362.8	1362.8	1365.4	1364.2	1363.2
5°	1433.8	1442.4	1444.3	1452.5	1458.4	1456.5	1457.5
7.5°	1511.3	1525.2	1538.9	1545.2	1546.2	1549.9	1551.2
10°	1559.0	1570.4	1591.8	1588.6	1604.5	1613.6	1598.6
12.5°	1604.9	1620.2	1635.0	1639.1	1648.2	1651.1	1645.2
15°	1646.4	1654.6	1655.5	1653.2	1655.9	1653.7	1645.0
17.5°	1607.6	1594.3	1567.4	1554.6	1544.5	1529.6	1523.6
20°	1543.5	1504.3	1458.8	1440.6	1419.2	1377.3	1387.4
22.5°	1405.2	1360.5	1315.0	1261.9	1236.4	1196.8	1194.4
25°	1189.8	1112.9	1028.2	969.1	934.5	894.9	877.6
27.5°	925.1	828.2	758.8	723.7	691.8	660.4	659.1
30°	751.0	678.2	624.5	594.5	574.9	561.7	564.5
32.5°	633.0	583.2	547.0	522.0	507.6	497.6	497.4
35°	517.5	483.4	460.2	449.7	439.3	431.9	432.4
37.5°	442.9	422.4	409.5	397.9	391.4	387.8	385.8
40°	404.7	387.8	377.8	371.0	365.5	360.5	359.6
42.5°	374.4	360.5	350.4	345.1	340.0	336.4	335.6
45°	332.3	320.9	311.8	305.9	303.6	300.4	300.4
47.5°	295.6	284.4	277.3	273.6	269.7	267.5	267.4
50°	270.8	262.2	255.8	253.5	250.3	249.0	248.5
52.5°	248.6	242.2	237.6	236.0	234.7	232.9	233.3
55°	218.5	214.8	213.0	211.7	209.4	206.6	208.5
57.5°	193.1	190.0	185.1	180.8	178.7	176.8	177.5
60°	175.2	168.9	162.5	157.5	156.1	152.0	152.0
62.5°	152.7	143.7	135.9	133.1	131.7	129.8	129.5
65°	117.4	113.8	112.0	110.1	109.2	109.2	108.3
67.5°	97.3	95.9	93.9	93.4	92.5	92.2	91.9
70°	86.1	84.2	83.3	82.8	81.9	82.4	81.1
72.5°	75.1	73.7	73.5	72.3	71.7	71.8	70.8
75°	59.2	59.2	58.7	58.2	57.3	56.9	57.3
77.5°	45.5	45.6	44.8	44.7	44.6	44.7	44.2
80°	36.4	36.8	36.4	35.9	35.5	35.9	35.5
82.5°	28.8	28.1	28.0	27.9	27.8	27.6	27.5
85°	16.4	16.9	16.4	16.0	16.0	16.0	16.4
87.5°	11.5	11.9	12.0	12.0	12.0	12.0	11.7
90°	26.7	28.4	29.3	29.3	29.3	29.3	29.3
92.5°	66.6	59.1	53.6	52.9	50.0	50.7	49.3
95°	178.9	141.5	121.9	110.4	103.3	100.6	101.5
97.5°	445.1	348.8	284.6	242.1	220.2	207.1	199.7
100°	702.1	580.2	472.6	398.7	360.4	334.7	318.6
102.5°	963.5	874.3	760.2	679.9	614.6	582.4	560.7
105°	1181.9	1193.5	1164.0	1108.8	1053.7	1015.4	1003.0
107.5°	1165.8	1258.4	1301.5	1308.4	1305.4	1297.7	1281.2
110°	1116.0	1229.9	1302.9	1341.1	1358.1	1366.1	1365.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1056.9	1178.7	1262.3	1315.5	1343.8	1359.0	1363.8
115°	976.2	1092.9	1184.5	1247.7	1288.6	1311.8	1319.8
117.5°	910.8	1016.5	1102.5	1166.9	1210.1	1234.6	1241.3
120°	876.6	970.9	1052.0	1114.2	1156.0	1181.9	1190.8
122.5°	848.1	937.5	1010.7	1066.5	1107.6	1130.6	1138.1
125°	810.7	889.0	955.8	1007.5	1041.3	1063.5	1070.6
127.5°	774.5	848.3	909.9	954.9	986.6	1005.8	1011.6
130°	750.2	820.6	879.3	922.9	953.1	970.9	978.0
132.5°	727.5	792.0	847.2	890.1	920.4	936.7	943.2
135°	691.5	750.2	800.0	838.3	867.7	883.7	887.3
137.5°	662.8	709.4	752.9	787.8	813.1	827.2	832.5
140°	644.4	685.3	724.4	752.9	776.1	789.4	794.7
142.5°	627.9	663.2	696.0	723.0	744.0	755.9	757.0
145°	607.0	634.5	660.3	681.7	696.9	705.7	708.4
147.5°	589.9	611.4	630.3	647.9	660.0	666.0	667.6
150°	578.5	597.2	613.1	626.5	637.2	642.6	643.5
152.5°	569.2	585.1	599.0	609.4	618.7	622.6	622.8
155°	554.5	567.8	577.6	587.4	593.6	597.2	595.4
157.5°	539.5	550.7	558.4	565.3	570.4	572.0	572.0
160°	529.5	539.3	545.5	551.8	556.2	557.1	557.1
162.5°	520.2	528.6	533.4	539.7	542.7	543.6	542.9
165°	506.4	512.6	516.2	519.7	523.3	523.3	522.4
167.5°	493.7	498.0	501.2	502.8	504.8	504.6	503.5
170°	485.9	489.5	491.2	492.1	494.8	493.9	492.1
172.5°	478.8	481.6	482.7	483.6	484.8	483.9	482.9
175°	470.8	471.7	472.6	472.6	473.5	472.6	470.8
177.5°	464.9	465.7	465.7	465.7	465.7	464.9	463.5
180°	462.8	462.8	462.8	462.8	462.8	462.8	462.8

(END OF REPORT)