

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: P331693-940

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

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331693-940
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
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-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

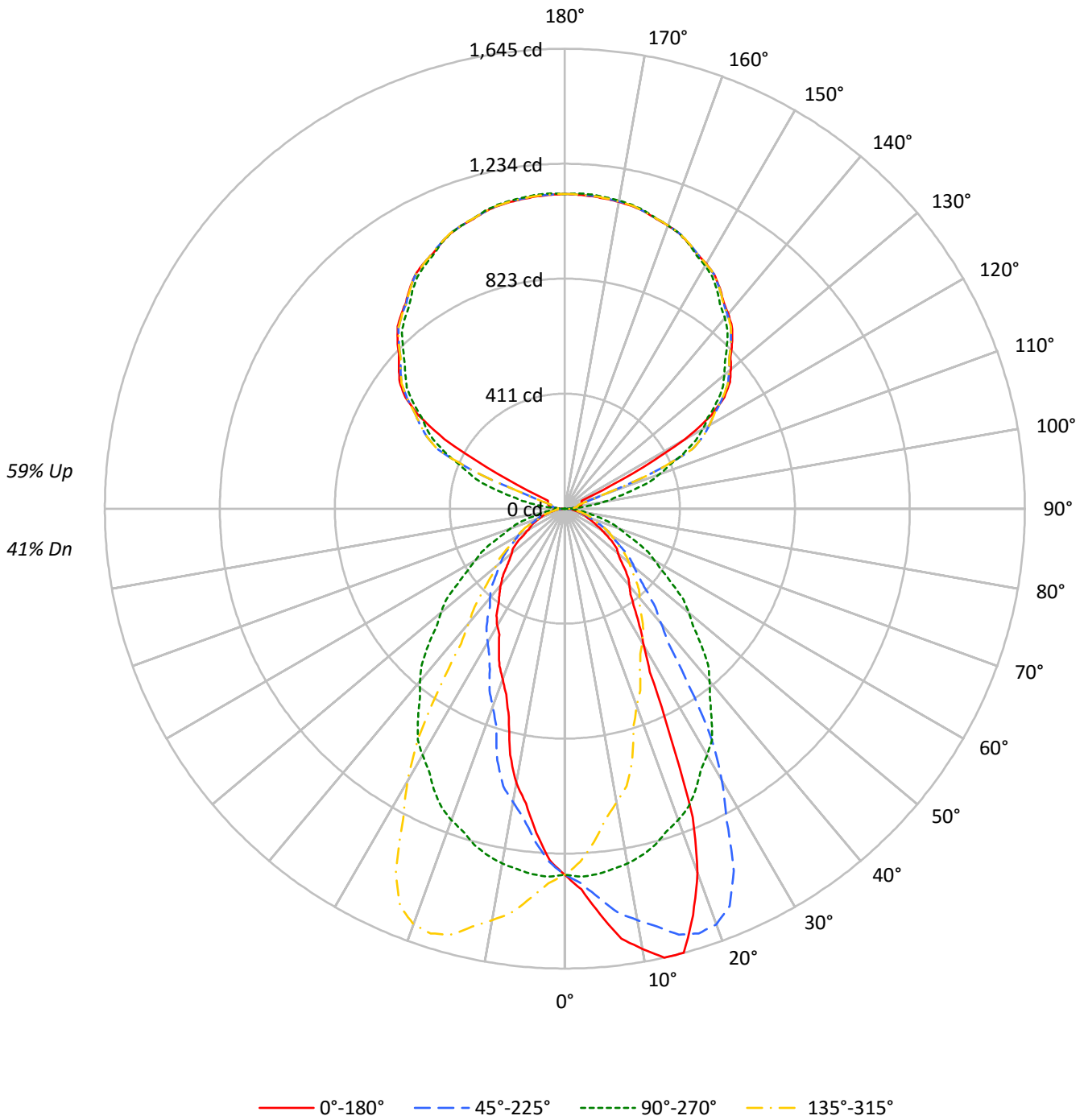
Lumens per Lamp: N/A
Luminaire Lumens: 5565.0 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				41
1	96	92	89	85	88	84	81	79	69	67	65	56	54	53	43	42	41				36	
2	88	81	76	71	80	74	70	65	62	58	55	50	47	45	39	37	36				31	
3	81	72	65	60	74	66	60	56	55	51	47	45	42	39	35	33	31				27	
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	32	29	28				24	
5	69	58	50	44	62	53	46	41	44	39	36	36	33	30	29	26	25				21	
6	63	52	44	39	58	48	41	36	40	35	31	33	29	27	27	24	22				19	
7	59	47	40	34	54	44	37	32	37	32	28	30	27	24	24	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	36	30	26	31	26	23	26	22	20	21	18	17				14	
10	48	36	29	25	44	34	27	23	29	24	21	24	20	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



TEST NUMBER: P331693-940

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	2.2
10°-20°	346.0	6.2
20°-30°	445.9	8.0
30°-40°	423.7	7.6
40°-50°	363.0	6.5
50°-60°	276.4	5.0
60°-70°	174.7	3.1
70°-80°	87.3	1.6
80°-90°	25.5	0.5
90°-100°	37.5	0.7
100°-110°	137.7	2.5
110°-120°	368.0	6.6
120°-130°	607.5	10.9
130°-140°	646.1	11.6
140°-150°	600.5	10.8
150°-160°	482.8	8.7
160°-170°	311.1	5.6
170°-180°	107.1	1.9
0°-30°	916.1	16.5
0°-40°	1339.8	24.1
0°-60°	1979.2	35.6
0°-90°	2266.7	40.7
90°-120°	543.2	9.8
90°-150°	2397.3	43.1
90°-180°	3298.0	59.3
0°-180°	5565.0	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°	22	1	22	1	22	10
95°	35	53	35	53	35	33
105°	62	248	62	248	62	64
115°	67	468	67	468	67	167
125°	696	662	696	662	696	602
135°	846	819	846	819	846	652
145°	965	950	965	950	965	604
155°	1047	1046	1047	1046	1047	483
165°	1100	1103	1100	1103	1100	311
175°	1121	1128	1121	1128	1121	107
180°	1126	1126	1126	1126	1126	



TEST NUMBER: P331693-940

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

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°	10.3	10.5	10.4	10.3	10.3	10.2	10.0	10.2	9.6	9.8	9.2
90°	22.0	21.7	21.2	20.9	20.5	19.9	19.0	18.1	17.2	16.3	14.8
92.5°	22.0	21.8	21.6	21.3	21.1	20.8	20.3	19.8	19.4	18.9	18.2
95°	35.0	35.2	35.4	35.6	35.8	35.4	34.5	33.5	32.6	31.7	30.5
97.5°	46.7	46.5	46.3	46.1	45.8	45.4	44.7	44.0	43.2	42.5	39.6
100°	54.6	54.2	53.9	53.5	53.1	52.3	50.7	49.3	47.9	46.5	43.3
102.5°	58.5	58.0	57.4	57.0	56.4	55.3	53.4	51.5	49.6	47.7	73.5
105°	61.9	61.2	60.5	59.7	59.0	57.6	55.6	53.7	51.6	49.7	99.1
107.5°	63.7	63.0	62.2	61.5	60.8	61.4	63.5	65.5	67.5	69.6	128.8
110°	64.4	63.6	62.9	62.2	61.4	70.1	88.2	106.3	124.4	142.5	194.8



TEST NUMBER: P331693-940

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

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	65.0	64.4	63.8	63.2	62.7	95.4	161.4	227.5	293.5	359.4	372.4
115°	66.8	79.8	92.8	105.8	118.9	167.3	251.1	334.9	418.7	502.5	497.9
117.5°	272.7	315.5	358.3	401.1	443.9	475.5	495.8	516.0	536.3	556.5	553.5
120°	496.8	521.2	545.6	570.1	594.5	605.6	603.5	601.3	599.1	596.9	593.7
122.5°	619.9	624.6	629.4	634.2	638.9	640.6	639.3	638.0	636.7	635.4	631.9
125°	696.3	695.8	695.2	694.6	694.1	693.2	692.0	690.7	689.5	688.1	684.7
127.5°	744.5	744.4	744.3	744.2	744.0	743.2	741.3	739.4	737.5	735.8	733.2
130°	774.5	774.6	774.8	775.1	775.3	774.3	772.3	770.3	768.3	766.3	764.4
132.5°	803.8	804.0	804.1	804.3	804.5	803.8	802.1	800.4	798.7	796.9	795.0
135°	846.1	846.5	846.9	847.2	847.6	846.9	845.1	843.3	841.4	839.6	838.0
137.5°	884.8	885.4	886.0	886.6	887.3	886.6	884.8	883.1	881.3	879.6	877.7
140°	908.8	909.8	910.7	911.6	912.5	912.1	910.5	908.8	907.2	905.6	903.7
142.5°	932.3	933.3	934.2	935.0	935.9	935.7	934.2	932.6	931.2	929.7	927.5
145°	965.1	966.0	966.9	967.8	968.7	968.5	967.2	966.0	964.7	963.4	960.4
147.5°	993.9	994.6	995.4	996.1	996.9	996.8	995.9	995.0	994.0	993.1	990.1
150°	1011.5	1012.4	1013.3	1014.2	1015.1	1015.0	1014.0	1012.8	1011.7	1010.7	1007.8
152.5°	1026.4	1027.7	1028.9	1030.0	1031.3	1031.3	1030.2	1029.1	1028.1	1027.0	1024.2
155°	1047.3	1048.7	1050.2	1051.7	1053.1	1053.3	1052.2	1051.1	1050.0	1048.9	1046.8
157.5°	1066.4	1067.7	1069.2	1070.6	1072.0	1072.1	1070.9	1069.6	1068.4	1067.2	1065.7
160°	1077.5	1078.7	1080.0	1081.2	1082.5	1082.6	1081.6	1080.4	1079.3	1078.3	1077.2
162.5°	1086.5	1088.2	1089.7	1091.3	1092.8	1093.0	1091.7	1090.5	1089.2	1088.1	1087.1
165°	1100.3	1101.5	1102.8	1104.0	1105.3	1105.3	1104.0	1102.8	1101.5	1100.3	1099.7
167.5°	1108.8	1110.5	1112.1	1113.7	1115.4	1115.6	1114.3	1113.0	1111.8	1110.5	1110.0
170°	1114.1	1115.7	1117.3	1119.0	1120.6	1120.8	1119.5	1118.3	1117.0	1115.7	1115.4
172.5°	1118.0	1119.6	1121.2	1122.8	1124.5	1124.7	1123.5	1122.1	1120.9	1119.6	1119.3
175°	1121.4	1123.2	1125.1	1126.9	1128.6	1128.9	1127.7	1126.4	1125.2	1123.8	1123.5
177.5°	1123.6	1124.8	1126.1	1127.5	1128.7	1128.9	1127.9	1126.9	1125.9	1124.8	1124.7
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331693-940

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

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°	8.8	8.9	8.6	7.9	7.9	7.8	9.3	10.7	9.6	9.0	8.6
90°	13.4	11.9	10.5	8.7	6.8	4.8	2.8	0.8	2.8	4.8	6.8
92.5°	17.5	16.8	16.0	15.7	15.9	16.1	16.2	16.4	16.2	16.1	15.9
95°	29.2	28.0	26.7	29.1	35.0	41.0	47.0	53.0	47.0	41.0	35.0
97.5°	36.6	33.7	30.8	37.7	54.6	71.4	88.2	105.0	88.2	71.4	54.6
100°	40.3	37.2	34.2	44.9	69.7	94.5	119.3	144.2	119.3	94.5	69.7
102.5°	99.2	124.9	150.7	166.1	171.4	176.6	181.9	187.2	181.9	176.6	171.4
105°	148.5	197.9	247.3	269.3	263.9	258.4	253.0	247.5	253.0	258.4	263.9
107.5°	188.1	247.3	306.6	334.0	329.6	325.2	320.8	316.5	320.8	325.2	329.6
110°	247.1	299.4	351.7	375.9	372.2	368.4	364.6	360.8	364.6	368.4	372.2



TEST NUMBER: P331693-940

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	385.3	398.2	411.2	415.9	412.6	409.2	405.8	402.4	405.8	409.2	412.6
115°	493.5	488.9	484.4	480.5	477.5	474.4	471.4	468.2	471.4	474.4	477.5
117.5°	550.4	547.2	544.1	540.8	537.4	534.0	530.5	527.1	530.5	534.0	537.4
120°	590.4	587.2	583.9	580.9	578.2	575.5	572.7	570.1	572.7	575.5	578.2
122.5°	628.3	624.7	621.2	618.0	615.1	612.2	609.4	606.5	609.4	612.2	615.1
125°	681.3	677.9	674.4	671.5	669.1	666.8	664.4	662.1	664.4	666.8	669.1
127.5°	730.6	728.0	725.4	722.8	720.2	717.6	715.1	712.4	715.1	717.6	720.2
130°	762.3	760.4	758.4	755.9	753.0	750.1	747.3	744.4	747.3	750.1	753.0
132.5°	793.0	791.0	789.0	786.8	784.3	781.9	779.4	776.9	779.4	781.9	784.3
135°	836.4	834.7	833.1	830.9	828.0	825.1	822.2	819.3	822.2	825.1	828.0
137.5°	875.8	874.0	872.2	870.2	868.2	866.2	864.2	862.1	864.2	866.2	868.2
140°	901.6	899.6	897.7	895.9	894.5	893.0	891.6	890.1	891.6	893.0	894.5
142.5°	925.1	922.8	920.6	918.8	917.5	916.2	914.9	913.6	914.9	916.2	917.5
145°	957.3	954.2	951.1	949.7	949.9	950.0	950.2	950.4	950.2	950.0	949.9
147.5°	987.0	983.9	980.9	979.7	980.4	981.1	981.8	982.5	981.8	981.1	980.4
150°	1004.9	1002.0	999.1	998.3	999.5	1000.8	1002.1	1003.4	1002.1	1000.8	999.5
152.5°	1021.5	1018.7	1015.9	1015.3	1016.7	1018.1	1019.5	1020.9	1019.5	1018.1	1016.7
155°	1044.6	1042.4	1040.3	1040.0	1041.6	1043.2	1044.9	1046.5	1044.9	1043.2	1041.6
157.5°	1064.2	1062.7	1061.1	1061.0	1062.4	1063.8	1065.1	1066.5	1065.1	1063.8	1062.4
160°	1076.1	1075.0	1073.9	1073.9	1075.0	1076.1	1077.2	1078.3	1077.2	1076.1	1075.0
162.5°	1086.1	1085.2	1084.2	1084.3	1085.4	1086.5	1087.6	1088.7	1087.6	1086.5	1085.4
165°	1099.1	1098.6	1098.1	1098.3	1099.4	1100.5	1101.6	1102.7	1101.6	1100.5	1099.4
167.5°	1109.5	1109.0	1108.5	1108.8	1109.8	1111.0	1112.1	1113.1	1112.1	1111.0	1109.8
170°	1115.0	1114.6	1114.3	1114.6	1115.7	1116.8	1117.8	1119.0	1117.8	1116.8	1115.7
172.5°	1118.9	1118.6	1118.2	1118.6	1119.6	1120.7	1121.8	1122.8	1121.8	1120.7	1119.6
175°	1123.1	1122.8	1122.4	1122.8	1124.1	1125.4	1126.7	1127.9	1126.7	1125.4	1124.1
177.5°	1124.5	1124.4	1124.3	1124.7	1125.7	1126.8	1127.7	1128.7	1127.7	1126.8	1125.7
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331693-940

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

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°	8.6	8.6	8.2	8.5	8.8	8.7	8.9	8.7	8.9	9.1	8.8
90°	8.7	10.5	11.9	13.4	14.8	16.3	17.2	18.1	19.0	19.9	20.5
92.5°	15.7	16.0	16.8	17.5	18.2	18.9	19.4	19.8	20.3	20.8	21.1
95°	29.1	26.7	28.0	29.2	30.5	31.7	32.6	33.5	34.5	35.4	35.8
97.5°	37.7	30.8	33.7	36.6	39.6	42.5	43.2	44.0	44.7	45.4	45.8
100°	44.9	34.2	37.2	40.3	43.3	46.5	47.9	49.3	50.7	52.3	53.1
102.5°	166.1	150.7	124.9	99.2	73.5	47.7	49.6	51.5	53.4	55.3	56.4
105°	269.3	247.3	197.9	148.5	99.1	49.7	51.6	53.7	55.6	57.6	59.0
107.5°	334.0	306.6	247.3	188.1	128.8	69.6	67.5	65.5	63.5	61.4	60.8
110°	375.9	351.7	299.4	247.1	194.8	142.5	124.4	106.3	88.2	70.1	61.4



TEST NUMBER: P331693-940

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	415.9	411.2	398.2	385.3	372.4	359.4	293.5	227.5	161.4	95.4	62.7
115°	480.5	484.4	488.9	493.5	497.9	502.5	418.7	334.9	251.1	167.3	118.9
117.5°	540.8	544.1	547.2	550.4	553.5	556.5	536.3	516.0	495.8	475.5	443.9
120°	580.9	583.9	587.2	590.4	593.7	596.9	599.1	601.3	603.5	605.6	594.5
122.5°	618.0	621.2	624.7	628.3	631.9	635.4	636.7	638.0	639.3	640.6	638.9
125°	671.5	674.4	677.9	681.3	684.7	688.1	689.5	690.7	692.0	693.2	694.1
127.5°	722.8	725.4	728.0	730.6	733.2	735.8	737.5	739.4	741.3	743.2	744.0
130°	755.9	758.4	760.4	762.3	764.4	766.3	768.3	770.3	772.3	774.3	775.3
132.5°	786.8	789.0	791.0	793.0	795.0	796.9	798.7	800.4	802.1	803.8	804.5
135°	830.9	833.1	834.7	836.4	838.0	839.6	841.4	843.3	845.1	846.9	847.6
137.5°	870.2	872.2	874.0	875.8	877.7	879.6	881.3	883.1	884.8	886.6	887.3
140°	895.9	897.7	899.6	901.6	903.7	905.6	907.2	908.8	910.5	912.1	912.5
142.5°	918.8	920.6	922.8	925.1	927.5	929.7	931.2	932.6	934.2	935.7	935.9
145°	949.7	951.1	954.2	957.3	960.4	963.4	964.7	966.0	967.2	968.5	968.7
147.5°	979.7	980.9	983.9	987.0	990.1	993.1	994.0	995.0	995.9	996.8	996.9
150°	998.3	999.1	1002.0	1004.9	1007.8	1010.7	1011.7	1012.8	1014.0	1015.0	1015.1
152.5°	1015.3	1015.9	1018.7	1021.5	1024.2	1027.0	1028.1	1029.1	1030.2	1031.3	1031.3
155°	1040.0	1040.3	1042.4	1044.6	1046.8	1048.9	1050.0	1051.1	1052.2	1053.3	1053.1
157.5°	1061.0	1061.1	1062.7	1064.2	1065.7	1067.2	1068.4	1069.6	1070.9	1072.1	1072.0
160°	1073.9	1073.9	1075.0	1076.1	1077.2	1078.3	1079.3	1080.4	1081.6	1082.6	1082.5
162.5°	1084.3	1084.2	1085.2	1086.1	1087.1	1088.1	1089.2	1090.5	1091.7	1093.0	1092.8
165°	1098.3	1098.1	1098.6	1099.1	1099.7	1100.3	1101.5	1102.8	1104.0	1105.3	1105.3
167.5°	1108.8	1108.5	1109.0	1109.5	1110.0	1110.5	1111.8	1113.0	1114.3	1115.6	1115.4
170°	1114.6	1114.3	1114.6	1115.0	1115.4	1115.7	1117.0	1118.3	1119.5	1120.8	1120.6
172.5°	1118.6	1118.2	1118.6	1118.9	1119.3	1119.6	1120.9	1122.1	1123.5	1124.7	1124.5
175°	1122.8	1122.4	1122.8	1123.1	1123.5	1123.8	1125.2	1126.4	1127.7	1128.9	1128.6
177.5°	1124.7	1124.3	1124.4	1124.5	1124.7	1124.8	1125.9	1126.9	1127.9	1128.9	1128.7
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331693-940

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

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°	8.9	8.6	9.1	8.7	9.1	8.6	8.9	8.8	9.1	8.9	8.7
90°	20.9	21.2	21.7	22.0	21.7	21.2	20.9	20.5	19.9	19.0	18.1
92.5°	21.3	21.6	21.8	22.0	21.8	21.6	21.3	21.1	20.8	20.3	19.8
95°	35.6	35.4	35.2	35.0	35.2	35.4	35.6	35.8	35.4	34.5	33.5
97.5°	46.1	46.3	46.5	46.7	46.5	46.3	46.1	45.8	45.4	44.7	44.0
100°	53.5	53.9	54.2	54.6	54.2	53.9	53.5	53.1	52.3	50.7	49.3
102.5°	57.0	57.4	58.0	58.5	58.0	57.4	57.0	56.4	55.3	53.4	51.5
105°	59.7	60.5	61.2	61.9	61.2	60.5	59.7	59.0	57.6	55.6	53.7
107.5°	61.5	62.2	63.0	63.7	63.0	62.2	61.5	60.8	61.4	63.5	65.5
110°	62.2	62.9	63.6	64.4	63.6	62.9	62.2	61.4	70.1	88.2	106.3



TEST NUMBER: P331693-940

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	63.2	63.8	64.4	65.0	64.4	63.8	63.2	62.7	95.4	161.4	227.5
115°	105.8	92.8	79.8	66.8	79.8	92.8	105.8	118.9	167.3	251.1	334.9
117.5°	401.1	358.3	315.5	272.7	315.5	358.3	401.1	443.9	475.5	495.8	516.0
120°	570.1	545.6	521.2	496.8	521.2	545.6	570.1	594.5	605.6	603.5	601.3
122.5°	634.2	629.4	624.6	619.9	624.6	629.4	634.2	638.9	640.6	639.3	638.0
125°	694.6	695.2	695.8	696.3	695.8	695.2	694.6	694.1	693.2	692.0	690.7
127.5°	744.2	744.3	744.4	744.5	744.4	744.3	744.2	744.0	743.2	741.3	739.4
130°	775.1	774.8	774.6	774.5	774.6	774.8	775.1	775.3	774.3	772.3	770.3
132.5°	804.3	804.1	804.0	803.8	804.0	804.1	804.3	804.5	803.8	802.1	800.4
135°	847.2	846.9	846.5	846.1	846.5	846.9	847.2	847.6	846.9	845.1	843.3
137.5°	886.6	886.0	885.4	884.8	885.4	886.0	886.6	887.3	886.6	884.8	883.1
140°	911.6	910.7	909.8	908.8	909.8	910.7	911.6	912.5	912.1	910.5	908.8
142.5°	935.0	934.2	933.3	932.3	933.3	934.2	935.0	935.9	935.7	934.2	932.6
145°	967.8	966.9	966.0	965.1	966.0	966.9	967.8	968.7	968.5	967.2	966.0
147.5°	996.1	995.4	994.6	993.9	994.6	995.4	996.1	996.9	996.8	995.9	995.0
150°	1014.2	1013.3	1012.4	1011.5	1012.4	1013.3	1014.2	1015.1	1015.0	1014.0	1012.8
152.5°	1030.0	1028.9	1027.7	1026.4	1027.7	1028.9	1030.0	1031.3	1031.3	1030.2	1029.1
155°	1051.7	1050.2	1048.7	1047.3	1048.7	1050.2	1051.7	1053.1	1053.3	1052.2	1051.1
157.5°	1070.6	1069.2	1067.7	1066.4	1067.7	1069.2	1070.6	1072.0	1072.1	1070.9	1069.6
160°	1081.2	1080.0	1078.7	1077.5	1078.7	1080.0	1081.2	1082.5	1082.6	1081.6	1080.4
162.5°	1091.3	1089.7	1088.2	1086.5	1088.2	1089.7	1091.3	1092.8	1093.0	1091.7	1090.5
165°	1104.0	1102.8	1101.5	1100.3	1101.5	1102.8	1104.0	1105.3	1105.3	1104.0	1102.8
167.5°	1113.7	1112.1	1110.5	1108.8	1110.5	1112.1	1113.7	1115.4	1115.6	1114.3	1113.0
170°	1119.0	1117.3	1115.7	1114.1	1115.7	1117.3	1119.0	1120.6	1120.8	1119.5	1118.3
172.5°	1122.8	1121.2	1119.6	1118.0	1119.6	1121.2	1122.8	1124.5	1124.7	1123.5	1122.1
175°	1126.9	1125.1	1123.2	1121.4	1123.2	1125.1	1126.9	1128.6	1128.9	1127.7	1126.4
177.5°	1127.5	1126.1	1124.8	1123.6	1124.8	1126.1	1127.5	1128.7	1128.9	1127.9	1126.9
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331693-940

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

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°	8.9	8.7	8.8	8.5	8.2	8.6	8.6	8.6	9.0	9.6	10.7
90°	17.2	16.3	14.8	13.4	11.9	10.5	8.7	6.8	4.8	2.8	0.8
92.5°	19.4	18.9	18.2	17.5	16.8	16.0	15.7	15.9	16.1	16.2	16.4
95°	32.6	31.7	30.5	29.2	28.0	26.7	29.1	35.0	41.0	47.0	53.0
97.5°	43.2	42.5	39.6	36.6	33.7	30.8	37.7	54.6	71.4	88.2	105.0
100°	47.9	46.5	43.3	40.3	37.2	34.2	44.9	69.7	94.5	119.3	144.2
102.5°	49.6	47.7	73.5	99.2	124.9	150.7	166.1	171.4	176.6	181.9	187.2
105°	51.6	49.7	99.1	148.5	197.9	247.3	269.3	263.9	258.4	253.0	247.5
107.5°	67.5	69.6	128.8	188.1	247.3	306.6	334.0	329.6	325.2	320.8	316.5
110°	124.4	142.5	194.8	247.1	299.4	351.7	375.9	372.2	368.4	364.6	360.8



TEST NUMBER: P331693-940

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

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	293.5	359.4	372.4	385.3	398.2	411.2	415.9	412.6	409.2	405.8	402.4
115°	418.7	502.5	497.9	493.5	488.9	484.4	480.5	477.5	474.4	471.4	468.2
117.5°	536.3	556.5	553.5	550.4	547.2	544.1	540.8	537.4	534.0	530.5	527.1
120°	599.1	596.9	593.7	590.4	587.2	583.9	580.9	578.2	575.5	572.7	570.1
122.5°	636.7	635.4	631.9	628.3	624.7	621.2	618.0	615.1	612.2	609.4	606.5
125°	689.5	688.1	684.7	681.3	677.9	674.4	671.5	669.1	666.8	664.4	662.1
127.5°	737.5	735.8	733.2	730.6	728.0	725.4	722.8	720.2	717.6	715.1	712.4
130°	768.3	766.3	764.4	762.3	760.4	758.4	755.9	753.0	750.1	747.3	744.4
132.5°	798.7	796.9	795.0	793.0	791.0	789.0	786.8	784.3	781.9	779.4	776.9
135°	841.4	839.6	838.0	836.4	834.7	833.1	830.9	828.0	825.1	822.2	819.3
137.5°	881.3	879.6	877.7	875.8	874.0	872.2	870.2	868.2	866.2	864.2	862.1
140°	907.2	905.6	903.7	901.6	899.6	897.7	895.9	894.5	893.0	891.6	890.1
142.5°	931.2	929.7	927.5	925.1	922.8	920.6	918.8	917.5	916.2	914.9	913.6
145°	964.7	963.4	960.4	957.3	954.2	951.1	949.7	949.9	950.0	950.2	950.4
147.5°	994.0	993.1	990.1	987.0	983.9	980.9	979.7	980.4	981.1	981.8	982.5
150°	1011.7	1010.7	1007.8	1004.9	1002.0	999.1	998.3	999.5	1000.8	1002.1	1003.4
152.5°	1028.1	1027.0	1024.2	1021.5	1018.7	1015.9	1015.3	1016.7	1018.1	1019.5	1020.9
155°	1050.0	1048.9	1046.8	1044.6	1042.4	1040.3	1040.0	1041.6	1043.2	1044.9	1046.5
157.5°	1068.4	1067.2	1065.7	1064.2	1062.7	1061.1	1061.0	1062.4	1063.8	1065.1	1066.5
160°	1079.3	1078.3	1077.2	1076.1	1075.0	1073.9	1073.9	1075.0	1076.1	1077.2	1078.3
162.5°	1089.2	1088.1	1087.1	1086.1	1085.2	1084.2	1084.3	1085.4	1086.5	1087.6	1088.7
165°	1101.5	1100.3	1099.7	1099.1	1098.6	1098.1	1098.3	1099.4	1100.5	1101.6	1102.7
167.5°	1111.8	1110.5	1110.0	1109.5	1109.0	1108.5	1108.8	1109.8	1111.0	1112.1	1113.1
170°	1117.0	1115.7	1115.4	1115.0	1114.6	1114.3	1114.6	1115.7	1116.8	1117.8	1119.0
172.5°	1120.9	1119.6	1119.3	1118.9	1118.6	1118.2	1118.6	1119.6	1120.7	1121.8	1122.8
175°	1125.2	1123.8	1123.5	1123.1	1122.8	1122.4	1122.8	1124.1	1125.4	1126.7	1127.9
177.5°	1125.9	1124.8	1124.7	1124.5	1124.4	1124.3	1124.7	1125.7	1126.8	1127.7	1128.7
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331693-940

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

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°	9.3	7.8	7.9	7.9	8.6	8.9	8.8	9.2	9.8	9.6	10.2
90°	2.8	4.8	6.8	8.7	10.5	11.9	13.4	14.8	16.3	17.2	18.1
92.5°	16.2	16.1	15.9	15.7	16.0	16.8	17.5	18.2	18.9	19.4	19.8
95°	47.0	41.0	35.0	29.1	26.7	28.0	29.2	30.5	31.7	32.6	33.5
97.5°	88.2	71.4	54.6	37.7	30.8	33.7	36.6	39.6	42.5	43.2	44.0
100°	119.3	94.5	69.7	44.9	34.2	37.2	40.3	43.3	46.5	47.9	49.3
102.5°	181.9	176.6	171.4	166.1	150.7	124.9	99.2	73.5	47.7	49.6	51.5
105°	253.0	258.4	263.9	269.3	247.3	197.9	148.5	99.1	49.7	51.6	53.7
107.5°	320.8	325.2	329.6	334.0	306.6	247.3	188.1	128.8	69.6	67.5	65.5
110°	364.6	368.4	372.2	375.9	351.7	299.4	247.1	194.8	142.5	124.4	106.3



TEST NUMBER: P331693-940

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

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	405.8	409.2	412.6	415.9	411.2	398.2	385.3	372.4	359.4	293.5	227.5
115°	471.4	474.4	477.5	480.5	484.4	488.9	493.5	497.9	502.5	418.7	334.9
117.5°	530.5	534.0	537.4	540.8	544.1	547.2	550.4	553.5	556.5	536.3	516.0
120°	572.7	575.5	578.2	580.9	583.9	587.2	590.4	593.7	596.9	599.1	601.3
122.5°	609.4	612.2	615.1	618.0	621.2	624.7	628.3	631.9	635.4	636.7	638.0
125°	664.4	666.8	669.1	671.5	674.4	677.9	681.3	684.7	688.1	689.5	690.7
127.5°	715.1	717.6	720.2	722.8	725.4	728.0	730.6	733.2	735.8	737.5	739.4
130°	747.3	750.1	753.0	755.9	758.4	760.4	762.3	764.4	766.3	768.3	770.3
132.5°	779.4	781.9	784.3	786.8	789.0	791.0	793.0	795.0	796.9	798.7	800.4
135°	822.2	825.1	828.0	830.9	833.1	834.7	836.4	838.0	839.6	841.4	843.3
137.5°	864.2	866.2	868.2	870.2	872.2	874.0	875.8	877.7	879.6	881.3	883.1
140°	891.6	893.0	894.5	895.9	897.7	899.6	901.6	903.7	905.6	907.2	908.8
142.5°	914.9	916.2	917.5	918.8	920.6	922.8	925.1	927.5	929.7	931.2	932.6
145°	950.2	950.0	949.9	949.7	951.1	954.2	957.3	960.4	963.4	964.7	966.0
147.5°	981.8	981.1	980.4	979.7	980.9	983.9	987.0	990.1	993.1	994.0	995.0
150°	1002.1	1000.8	999.5	998.3	999.1	1002.0	1004.9	1007.8	1010.7	1011.7	1012.8
152.5°	1019.5	1018.1	1016.7	1015.3	1015.9	1018.7	1021.5	1024.2	1027.0	1028.1	1029.1
155°	1044.9	1043.2	1041.6	1040.0	1040.3	1042.4	1044.6	1046.8	1048.9	1050.0	1051.1
157.5°	1065.1	1063.8	1062.4	1061.0	1061.1	1062.7	1064.2	1065.7	1067.2	1068.4	1069.6
160°	1077.2	1076.1	1075.0	1073.9	1073.9	1075.0	1076.1	1077.2	1078.3	1079.3	1080.4
162.5°	1087.6	1086.5	1085.4	1084.3	1084.2	1085.2	1086.1	1087.1	1088.1	1089.2	1090.5
165°	1101.6	1100.5	1099.4	1098.3	1098.1	1098.6	1099.1	1099.7	1100.3	1101.5	1102.8
167.5°	1112.1	1111.0	1109.8	1108.8	1108.5	1109.0	1109.5	1110.0	1110.5	1111.8	1113.0
170°	1117.8	1116.8	1115.7	1114.6	1114.3	1114.6	1115.0	1115.4	1115.7	1117.0	1118.3
172.5°	1121.8	1120.7	1119.6	1118.6	1118.2	1118.6	1118.9	1119.3	1119.6	1120.9	1122.1
175°	1126.7	1125.4	1124.1	1122.8	1122.4	1122.8	1123.1	1123.5	1123.8	1125.2	1126.4
177.5°	1127.7	1126.8	1125.7	1124.7	1124.3	1124.4	1124.5	1124.7	1124.8	1125.9	1126.9
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5



TEST NUMBER: P331693-940

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

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°	10.0	10.2	10.3	10.3	10.4	10.5	10.3
90°	19.0	19.9	20.5	20.9	21.2	21.7	22.0
92.5°	20.3	20.8	21.1	21.3	21.6	21.8	22.0
95°	34.5	35.4	35.8	35.6	35.4	35.2	35.0
97.5°	44.7	45.4	45.8	46.1	46.3	46.5	46.7
100°	50.7	52.3	53.1	53.5	53.9	54.2	54.6
102.5°	53.4	55.3	56.4	57.0	57.4	58.0	58.5
105°	55.6	57.6	59.0	59.7	60.5	61.2	61.9
107.5°	63.5	61.4	60.8	61.5	62.2	63.0	63.7
110°	88.2	70.1	61.4	62.2	62.9	63.6	64.4



TEST NUMBER: P331693-940

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

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	161.4	95.4	62.7	63.2	63.8	64.4	65.0
115°	251.1	167.3	118.9	105.8	92.8	79.8	66.8
117.5°	495.8	475.5	443.9	401.1	358.3	315.5	272.7
120°	603.5	605.6	594.5	570.1	545.6	521.2	496.8
122.5°	639.3	640.6	638.9	634.2	629.4	624.6	619.9
125°	692.0	693.2	694.1	694.6	695.2	695.8	696.3
127.5°	741.3	743.2	744.0	744.2	744.3	744.4	744.5
130°	772.3	774.3	775.3	775.1	774.8	774.6	774.5
132.5°	802.1	803.8	804.5	804.3	804.1	804.0	803.8
135°	845.1	846.9	847.6	847.2	846.9	846.5	846.1
137.5°	884.8	886.6	887.3	886.6	886.0	885.4	884.8
140°	910.5	912.1	912.5	911.6	910.7	909.8	908.8
142.5°	934.2	935.7	935.9	935.0	934.2	933.3	932.3
145°	967.2	968.5	968.7	967.8	966.9	966.0	965.1
147.5°	995.9	996.8	996.9	996.1	995.4	994.6	993.9
150°	1014.0	1015.0	1015.1	1014.2	1013.3	1012.4	1011.5
152.5°	1030.2	1031.3	1031.3	1030.0	1028.9	1027.7	1026.4
155°	1052.2	1053.3	1053.1	1051.7	1050.2	1048.7	1047.3
157.5°	1070.9	1072.1	1072.0	1070.6	1069.2	1067.7	1066.4
160°	1081.6	1082.6	1082.5	1081.2	1080.0	1078.7	1077.5
162.5°	1091.7	1093.0	1092.8	1091.3	1089.7	1088.2	1086.5
165°	1104.0	1105.3	1105.3	1104.0	1102.8	1101.5	1100.3
167.5°	1114.3	1115.6	1115.4	1113.7	1112.1	1110.5	1108.8
170°	1119.5	1120.8	1120.6	1119.0	1117.3	1115.7	1114.1
172.5°	1123.5	1124.7	1124.5	1122.8	1121.2	1119.6	1118.0
175°	1127.7	1128.9	1128.6	1126.9	1125.1	1123.2	1121.4
177.5°	1127.9	1128.9	1128.7	1127.5	1126.1	1124.8	1123.6
180°	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5	1125.5

(END OF REPORT)