

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: P331694-840

Luminaire Tested: **SA2XXRDIP-C675D925U840-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

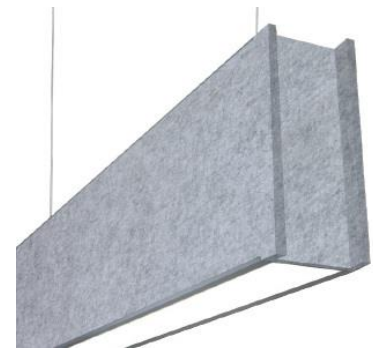
Test Information

Test Method: LM-79-08
Report Number: P331694-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C675D925U840-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5908.0 lumens
Efficiency: N/A
Efficacy: 113.6 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

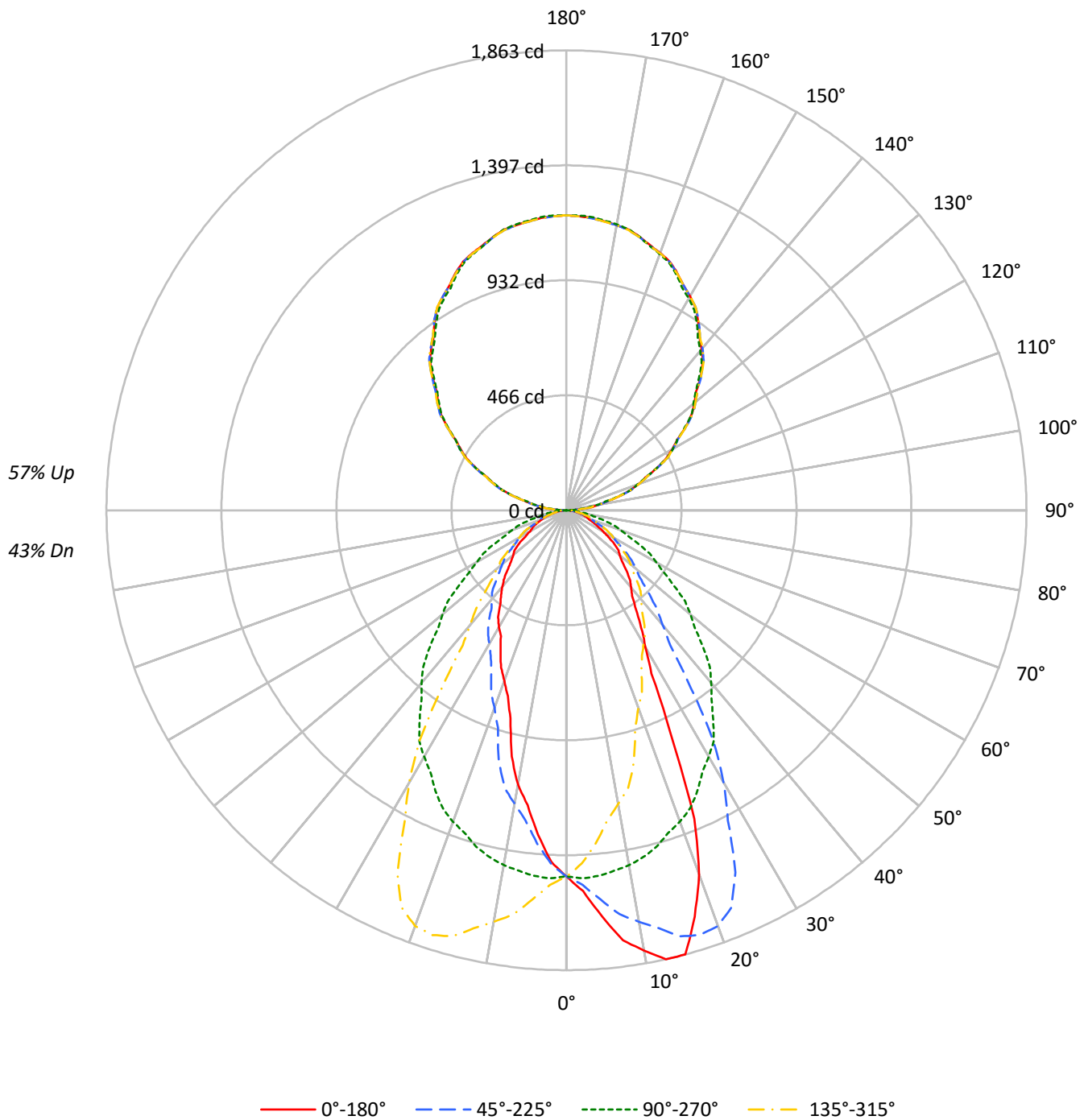
Input Watts (W): 52
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	43
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	45	44	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	33
3	82	73	66	60	74	67	61	56	56	52	48	46	43	40	37	35	29
4	75	65	57	52	68	60	53	48	50	46	42	42	38	35	33	31	25
5	69	58	50	45	63	54	47	42	45	40	37	38	34	31	30	28	23
6	64	52	45	39	58	49	42	37	41	36	32	34	31	28	28	25	20
7	59	48	40	35	54	44	37	33	38	33	29	32	28	25	26	23	18
8	55	43	36	31	51	40	34	29	35	29	26	29	25	22	24	21	17
9	51	40	33	28	47	37	31	26	32	27	23	27	23	20	22	19	15
10	48	37	30	25	44	34	28	24	29	25	21	25	21	19	21	18	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23954	23954	23954	23954
5°	26752	24104	21371	24104
10°	29681	23935	18525	23935
15°	31141	23584	14596	23584
20°	26996	23063	12631	23063
25°	17706	22352	11277	22352
30°	11917	21490	10206	21490
35°	9652	20402	9207	20402
40°	8585	19220	8517	19220
45°	7768	17831	7606	17831
50°	7068	16458	7043	16458
55°	6646	14933	6559	14933
60°	5561	13533	5493	13533
65°	4688	12287	5318	12287
70°	4334	10976	5013	10976
75°	4049	9551	4629	9551
80°	3738	7857	4119	7857
85°	3446	6206	3631	6206

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.6	2.4
10°-20°	391.9	6.6
20°-30°	505.0	8.5
30°-40°	479.9	8.1
40°-50°	411.1	7.0
50°-60°	313.0	5.3
60°-70°	197.9	3.3
70°-80°	98.8	1.7
80°-90°	30.5	0.5
90°-100°	75.7	1.3
100°-110°	235.0	4.0
110°-120°	401.8	6.8
120°-130°	528.3	8.9
130°-140°	593.0	10.0
140°-150°	581.4	9.8
150°-160°	487.7	8.3
160°-170°	323.5	5.5
170°-180°	113.0	1.9
0°-30°	1037.5	17.6
0°-40°	1517.4	25.7
0°-60°	2241.5	37.9
0°-90°	2568.7	43.5
90°-120°	712.5	12.1
90°-150°	2415.2	40.9
90°-180°	3339.0	56.5
0°-180°	5908.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1484	1484	1484	1484	1484	
5°	1651	1487	1319	1487	1651	163
15°	1863	1411	873	1411	1863	503
25°	994	1255	633	1255	994	472
35°	490	1035	467	1035	490	313
45°	340	781	333	781	340	263
55°	236	530	233	530	236	207
65°	123	322	139	322	123	125
75°	65	153	74	153	65	69
85°	19	34	20	34	19	21
90°	34	1	34	1	34	16
95°	62	52	62	52	62	70
105°	224	217	224	217	224	235
115°	403	403	403	403	403	398
125°	588	586	588	586	588	525
135°	768	759	768	759	768	591
145°	931	921	931	921	931	582
155°	1061	1053	1061	1053	1061	488
165°	1147	1146	1147	1146	1147	323
175°	1188	1192	1188	1192	1188	113
180°	1194	1194	1194	1194	1194	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1543.8	1545.0	1546.3	1543.4	1543.4	1540.9	1535.5	1531.5	1519.8	1518.2	1518.2
5°	1650.6	1649.5	1651.6	1645.0	1635.7	1633.6	1623.8	1610.9	1597.5	1582.6	1579.4
7.5°	1756.8	1755.2	1751.1	1750.0	1742.8	1727.3	1711.5	1694.8	1672.4	1650.7	1639.8
10°	1810.4	1827.5	1817.1	1799.1	1802.7	1778.5	1765.5	1743.4	1724.8	1692.3	1685.2
12.5°	1863.2	1869.9	1866.6	1856.3	1851.7	1834.9	1817.6	1798.3	1764.0	1734.8	1709.5
15°	1863.0	1872.8	1875.3	1872.3	1874.8	1873.8	1864.5	1848.6	1818.7	1786.7	1758.9
17.5°	1725.5	1732.2	1749.2	1760.6	1775.0	1805.5	1820.6	1826.4	1822.0	1803.8	1784.2
20°	1571.2	1559.8	1607.3	1631.5	1652.1	1703.6	1748.0	1765.0	1792.3	1791.8	1786.7
22.5°	1352.6	1355.3	1400.3	1429.1	1489.2	1540.8	1591.3	1655.4	1708.2	1743.1	1763.6
25°	993.9	1013.5	1058.3	1097.5	1164.5	1260.4	1347.5	1448.6	1543.9	1619.1	1690.8
27.5°	746.4	747.9	783.5	819.6	859.4	938.0	1047.6	1168.3	1304.2	1416.4	1545.5
30°	639.2	636.1	651.1	673.3	707.2	768.1	850.5	969.2	1104.7	1273.7	1424.3
32.5°	563.3	563.5	574.8	591.2	619.5	660.5	716.9	813.2	941.4	1107.6	1284.0
35°	489.7	489.2	497.5	509.3	521.2	547.4	586.1	636.6	724.8	879.9	1060.4
37.5°	437.0	439.2	443.2	450.6	463.7	478.4	501.6	535.5	598.2	690.0	841.7
40°	407.3	408.3	413.9	420.1	427.9	439.2	458.3	485.5	531.5	604.7	715.5
42.5°	380.0	381.0	385.1	390.8	396.9	408.3	424.0	447.7	484.8	542.0	633.4
45°	340.2	340.2	343.9	346.4	353.1	363.5	376.3	395.9	421.7	463.9	524.7
47.5°	302.9	303.0	305.4	309.8	314.1	322.0	334.8	350.7	369.5	402.2	454.1
50°	281.4	282.0	283.5	287.1	289.7	296.9	306.7	320.6	340.2	365.5	408.8
52.5°	264.2	263.8	265.8	267.3	269.1	274.3	281.6	293.9	311.3	333.4	369.2
55°	236.1	234.0	237.1	239.7	241.3	243.3	247.4	255.2	270.1	288.7	315.5
57.5°	201.1	200.3	202.4	204.8	209.6	215.2	218.6	223.6	231.4	244.7	271.2
60°	172.2	172.2	176.8	178.3	184.0	191.3	198.4	202.6	210.4	219.0	238.6
62.5°	146.6	147.0	149.2	150.8	153.9	162.8	172.9	182.0	189.2	197.6	210.7
65°	122.7	123.7	123.7	124.7	126.8	128.9	133.0	140.2	153.1	164.9	174.7
67.5°	104.1	104.4	104.7	105.7	106.3	108.6	110.2	113.4	116.4	127.6	139.8
70°	91.8	93.3	92.8	93.8	94.3	95.3	97.5	99.0	103.6	106.2	113.4
72.5°	80.2	81.3	81.2	81.9	83.2	83.4	85.0	86.6	89.6	91.8	95.6
75°	64.9	64.4	64.9	65.9	66.4	67.1	67.1	69.1	70.6	72.7	75.2
77.5°	50.1	50.6	50.5	50.6	50.7	51.6	51.5	52.5	54.0	55.0	56.2
80°	40.2	40.7	40.2	40.7	41.2	41.7	41.2	41.7	43.3	44.3	44.3
82.5°	31.1	31.2	31.5	31.6	31.7	31.8	32.6	32.7	33.8	33.6	34.0
85°	18.6	18.1	18.1	18.1	18.6	19.1	18.6	18.6	19.1	19.1	19.1
87.5°	13.4	13.8	13.7	13.7	13.7	13.7	13.8	14.3	13.9	14.4	13.1
90°	34.2	34.0	33.8	33.6	33.3	33.5	33.9	34.3	34.8	35.2	30.3
92.5°	32.6	32.6	32.5	32.5	32.5	32.4	32.3	32.2	32.1	32.0	30.9
95°	62.5	62.9	63.4	63.8	64.2	64.5	64.5	64.5	64.5	64.5	64.0
97.5°	108.3	108.3	108.4	108.4	108.5	108.5	108.5	108.5	108.5	108.5	107.6
100°	138.0	138.3	138.6	138.8	139.0	139.1	139.1	139.1	139.1	139.1	138.5
102.5°	172.0	172.2	172.4	172.6	172.8	172.9	172.7	172.5	172.3	172.2	171.3
105°	223.7	223.7	223.7	223.7	223.7	223.5	223.1	222.6	222.2	221.7	221.3
107.5°	272.5	273.6	274.6	275.6	276.6	277.0	276.9	276.7	276.5	276.3	276.3
110°	310.4	311.0	311.7	312.5	313.1	313.5	313.5	313.5	313.5	313.5	313.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	346.7	347.2	347.7	348.2	348.6	349.2	349.7	350.2	350.8	351.3	351.5
115°	403.1	403.7	404.5	405.2	405.8	406.3	406.5	406.7	407.0	407.2	407.6
117.5°	457.0	457.6	458.3	459.0	459.6	460.2	460.8	461.3	461.8	462.4	463.6
120°	494.8	495.5	496.1	496.9	497.6	497.9	497.9	497.9	497.9	497.9	499.7
122.5°	531.9	532.4	532.9	533.4	533.9	534.4	534.9	535.4	536.0	536.5	537.9
125°	588.5	588.8	589.0	589.3	589.5	589.9	590.6	591.3	591.9	592.6	593.3
127.5°	640.2	640.9	641.6	642.3	643.0	643.8	644.6	645.4	646.2	647.0	647.8
130°	677.2	678.1	679.0	679.9	680.9	681.5	682.0	682.4	682.9	683.3	683.8
132.5°	712.8	713.5	714.2	714.9	715.6	716.4	717.4	718.4	719.4	720.3	720.2
135°	767.9	768.6	769.3	769.9	770.6	771.0	771.3	771.5	771.7	771.9	771.5
137.5°	817.9	818.8	819.7	820.6	821.5	822.0	822.2	822.4	822.6	822.7	822.2
140°	852.6	853.5	854.3	855.3	856.2	856.7	856.7	856.7	856.7	856.7	855.6
142.5°	884.0	884.9	885.9	886.8	887.7	888.0	887.8	887.7	887.5	887.3	886.5
145°	931.2	932.1	933.0	933.9	934.8	935.1	934.9	934.6	934.4	934.2	932.9
147.5°	973.3	974.2	975.0	975.9	976.7	976.9	976.4	975.9	975.4	974.9	974.0
150°	1000.8	1001.4	1002.1	1002.8	1003.4	1003.4	1002.8	1002.1	1001.4	1000.8	999.9
152.5°	1026.5	1027.4	1028.2	1029.1	1030.0	1030.0	1029.1	1028.2	1027.4	1026.5	1025.4
155°	1061.2	1061.9	1062.6	1063.2	1063.9	1063.7	1062.6	1061.5	1060.4	1059.1	1058.5
157.5°	1091.1	1092.1	1093.2	1094.3	1095.3	1095.1	1093.6	1092.1	1090.6	1089.0	1088.6
160°	1109.5	1110.4	1111.4	1112.3	1113.2	1113.0	1111.6	1110.2	1108.9	1107.5	1107.3
162.5°	1125.7	1126.8	1127.8	1128.9	1130.0	1129.7	1128.2	1126.7	1125.2	1123.7	1123.5
165°	1146.9	1148.0	1149.1	1150.2	1151.3	1151.1	1149.5	1148.0	1146.4	1144.9	1144.9
167.5°	1164.2	1165.4	1166.5	1167.7	1168.8	1168.6	1167.1	1165.5	1164.0	1162.4	1162.5
170°	1173.1	1174.4	1175.8	1177.1	1178.4	1178.3	1176.8	1175.2	1173.7	1172.0	1172.3
172.5°	1180.3	1181.6	1183.1	1184.4	1185.7	1185.6	1184.1	1182.5	1180.9	1179.3	1179.5
175°	1188.2	1189.5	1190.8	1192.2	1193.6	1193.5	1191.8	1190.3	1188.7	1187.2	1187.6
177.5°	1191.8	1192.9	1194.0	1195.1	1196.1	1196.1	1195.1	1194.0	1192.9	1191.8	1192.1
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1519.0	1515.7	1512.9	1505.4	1501.8	1493.5	1492.3	1491.9	1481.1	1470.8	1467.9
5°	1571.2	1563.0	1550.5	1536.1	1521.2	1505.7	1495.4	1487.2	1466.5	1446.9	1435.6
7.5°	1623.8	1606.1	1584.7	1557.4	1534.6	1509.0	1490.1	1473.1	1443.8	1415.7	1396.8
10°	1662.9	1634.1	1605.8	1568.1	1538.7	1509.8	1483.1	1459.9	1426.8	1389.8	1363.4
12.5°	1687.3	1655.6	1616.5	1579.6	1541.7	1504.9	1469.1	1439.3	1400.5	1362.1	1330.9
15°	1720.2	1686.2	1638.7	1586.2	1537.2	1489.2	1448.0	1410.9	1360.4	1314.5	1276.4
17.5°	1747.1	1700.3	1649.3	1588.5	1531.9	1470.9	1417.7	1370.4	1314.1	1258.8	1213.9
20°	1755.8	1709.4	1650.6	1589.7	1522.8	1451.1	1393.9	1342.3	1282.0	1221.7	1170.1
22.5°	1750.4	1714.3	1648.9	1576.2	1507.5	1432.5	1367.9	1308.1	1241.2	1179.6	1119.8
25°	1714.0	1701.6	1639.8	1560.3	1482.1	1394.9	1320.2	1254.7	1178.4	1112.5	1047.4
27.5°	1629.1	1655.9	1617.5	1533.0	1445.8	1352.4	1268.4	1193.9	1114.7	1040.5	975.7
30°	1547.5	1608.8	1592.4	1514.0	1416.5	1324.8	1230.5	1152.7	1068.1	991.8	927.9
32.5°	1435.7	1537.1	1553.2	1487.6	1386.8	1286.1	1187.2	1109.7	1021.5	941.1	878.8
35°	1257.8	1409.4	1478.9	1437.1	1336.2	1227.4	1125.3	1035.1	946.4	867.1	805.2
37.5°	1045.5	1251.9	1367.9	1370.9	1278.1	1165.0	1053.9	964.3	873.5	795.6	728.7
40°	907.8	1131.5	1282.5	1316.1	1237.7	1115.5	1003.1	911.9	823.2	746.9	670.1
42.5°	784.1	1006.9	1192.7	1250.9	1188.6	1067.2	954.5	859.1	773.0	700.7	622.3
45°	634.1	828.9	1033.6	1137.7	1103.2	990.8	871.7	780.9	700.0	637.6	562.4
47.5°	534.8	672.2	870.2	1011.1	1010.5	907.9	790.7	703.9	628.8	570.4	509.4
50°	478.4	597.9	765.5	925.3	938.7	852.6	741.2	655.2	585.1	523.7	474.7
52.5°	427.7	526.2	676.8	830.0	868.2	793.7	685.6	606.1	538.1	481.7	439.7
55°	361.3	437.7	552.1	695.4	753.2	700.5	604.7	530.5	475.2	427.9	391.7
57.5°	305.7	362.9	454.7	570.2	637.3	604.3	525.1	464.8	417.7	374.8	346.3
60°	270.6	317.5	395.4	491.8	566.0	542.8	475.2	419.1	378.9	341.7	315.0
62.5°	237.6	277.9	344.7	422.9	491.0	481.4	426.2	379.1	343.9	310.0	287.3
65°	191.3	220.7	272.7	334.1	388.7	393.3	353.7	321.6	290.2	263.4	243.3
67.5°	152.3	171.5	208.1	259.8	300.7	315.4	291.1	266.7	241.8	221.1	203.6
70°	128.4	143.8	170.7	212.4	250.0	265.5	251.6	232.5	210.9	193.8	178.8
72.5°	104.0	119.1	138.9	169.5	201.8	218.4	213.6	200.0	182.4	168.2	154.1
75°	78.4	83.0	96.4	117.0	142.3	156.7	160.4	153.1	139.2	128.4	120.1
77.5°	58.0	60.7	67.2	78.0	94.4	107.3	112.6	111.8	102.2	95.8	88.2
80°	46.4	48.0	51.0	55.6	68.1	80.9	84.5	84.5	77.9	75.2	67.6
82.5°	35.2	36.4	38.3	40.8	46.6	57.9	61.9	62.7	58.5	55.0	49.0
85°	20.1	19.6	20.6	22.1	23.2	26.3	32.5	33.5	32.5	28.4	26.8
87.5°	12.1	11.5	10.5	9.4	9.2	9.1	10.6	12.1	11.0	10.3	10.1
90°	25.4	20.5	15.6	11.7	9.1	6.4	3.7	1.0	3.7	6.4	9.1
92.5°	29.7	28.6	27.4	25.9	23.8	21.9	19.9	18.0	19.9	21.9	23.8
95°	63.6	63.1	62.7	61.4	59.1	56.9	54.6	52.4	54.6	56.9	59.1
97.5°	106.7	105.9	105.0	103.6	101.7	99.7	97.8	95.7	97.8	99.7	101.7
100°	137.7	137.0	136.4	135.1	133.4	131.6	129.8	127.9	129.8	131.6	133.4
102.5°	170.5	169.6	168.7	167.5	166.1	164.7	163.3	161.9	163.3	164.7	166.1
105°	220.9	220.4	219.9	219.3	218.7	218.0	217.3	216.7	217.3	218.0	218.7
107.5°	276.3	276.3	276.3	275.9	274.9	273.9	272.9	271.9	272.9	273.9	274.9
110°	313.5	313.5	313.5	312.8	311.4	310.0	308.7	307.4	308.7	310.0	311.4

TEST NUMBER: P331694-840

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	351.6	351.8	352.0	351.4	350.1	348.8	347.4	346.1	347.4	348.8	350.1
115°	408.1	408.5	408.9	408.5	407.2	405.8	404.5	403.1	404.5	405.8	407.2
117.5°	464.8	466.2	467.4	467.2	465.3	463.5	461.7	460.0	461.7	463.5	465.3
120°	501.4	503.2	505.0	505.0	503.2	501.4	499.7	497.9	499.7	501.4	503.2
122.5°	539.1	540.3	541.6	541.1	539.0	536.8	534.6	532.5	534.6	536.8	539.0
125°	593.9	594.6	595.3	594.6	592.6	590.6	588.5	586.5	588.5	590.6	592.6
127.5°	648.6	649.4	650.3	649.3	646.8	644.3	641.7	639.1	641.7	644.3	646.8
130°	684.2	684.6	685.1	683.9	681.0	678.0	675.1	672.2	675.1	678.0	681.0
132.5°	720.2	720.1	720.0	718.8	716.4	714.1	711.7	709.3	711.7	714.1	716.4
135°	771.0	770.6	770.2	768.7	766.3	763.8	761.3	758.9	761.3	763.8	766.3
137.5°	821.6	821.0	820.4	819.1	817.1	815.1	813.0	811.1	813.0	815.1	817.1
140°	854.3	853.2	852.1	850.6	848.6	846.6	844.6	842.5	844.6	846.6	848.6
142.5°	885.8	884.9	884.2	882.8	880.8	878.8	876.8	874.7	876.8	878.8	880.8
145°	931.5	930.2	928.9	927.4	925.8	924.2	922.7	921.1	922.7	924.2	925.8
147.5°	973.1	972.3	971.4	970.0	968.1	966.2	964.3	962.4	964.3	966.2	968.1
150°	999.0	998.0	997.1	996.0	994.7	993.3	992.0	990.7	992.0	993.3	994.7
152.5°	1024.4	1023.3	1022.3	1021.1	1019.7	1018.3	1017.0	1015.6	1017.0	1018.3	1019.7
155°	1057.8	1057.2	1056.5	1055.8	1055.2	1054.5	1053.8	1053.2	1053.8	1054.5	1055.2
157.5°	1088.2	1087.8	1087.4	1087.0	1086.5	1086.1	1085.6	1085.2	1085.6	1086.1	1086.5
160°	1107.1	1106.9	1106.7	1106.3	1105.9	1105.4	1105.0	1104.6	1105.0	1105.4	1105.9
162.5°	1123.3	1123.1	1122.8	1122.7	1122.6	1122.5	1122.4	1122.3	1122.4	1122.5	1122.6
165°	1144.9	1144.9	1144.9	1145.0	1145.2	1145.4	1145.7	1145.9	1145.7	1145.4	1145.2
167.5°	1162.5	1162.6	1162.6	1163.0	1163.6	1164.3	1165.0	1165.6	1165.0	1164.3	1163.6
170°	1172.6	1172.8	1173.0	1173.4	1174.1	1174.8	1175.4	1176.1	1175.4	1174.8	1174.1
172.5°	1179.7	1180.0	1180.2	1180.6	1181.3	1182.0	1182.7	1183.4	1182.7	1182.0	1181.3
175°	1188.1	1188.5	1189.0	1189.5	1190.2	1190.8	1191.5	1192.2	1191.5	1190.8	1190.2
177.5°	1192.5	1192.9	1193.3	1193.7	1194.3	1194.8	1195.3	1195.9	1195.3	1194.8	1194.3
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3

TEST NUMBER: P331694-840

CATALOG NUMBER: SA2XXRDIP-C675D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1462.6	1459.7	1454.3	1446.0	1441.1	1432.4	1426.6	1430.0	1430.8	1430.0	1429.2
5°	1423.3	1412.4	1397.5	1383.0	1369.7	1355.2	1347.0	1343.3	1336.2	1332.0	1330.0
7.5°	1375.7	1357.1	1336.0	1310.8	1289.4	1267.1	1255.7	1249.9	1235.2	1227.2	1220.1
10°	1340.3	1310.9	1289.8	1256.8	1236.7	1207.3	1187.2	1187.7	1167.6	1156.2	1148.0
12.5°	1301.1	1268.8	1233.7	1204.0	1176.0	1152.5	1128.2	1118.4	1097.0	1086.1	1063.9
15°	1236.2	1198.5	1161.4	1121.2	1092.9	1056.2	1021.2	978.4	943.8	913.9	905.7
17.5°	1165.2	1118.6	1081.4	1034.2	985.6	924.0	883.4	858.6	837.8	822.0	810.2
20°	1116.5	1069.1	1029.5	958.3	892.8	851.1	821.2	802.1	780.4	763.5	754.2
22.5°	1065.4	1015.9	961.8	882.4	831.4	797.9	771.2	749.3	734.7	721.3	713.0
25°	992.8	938.7	849.5	794.9	753.7	718.6	700.0	686.6	671.2	653.1	644.9
27.5°	916.1	830.0	766.0	725.4	686.0	663.2	646.5	626.5	612.7	604.6	596.0
30°	858.8	772.7	722.8	678.4	650.6	625.3	605.7	594.4	581.0	567.0	561.4
32.5°	794.9	726.1	678.2	641.3	613.0	591.5	576.0	557.6	548.0	539.4	527.6
35°	715.5	663.5	619.7	589.8	562.9	545.4	527.4	516.5	499.0	491.8	487.2
37.5°	648.2	603.1	570.5	538.9	517.7	498.3	487.3	470.0	462.4	452.4	442.6
40°	610.4	566.0	534.5	508.8	485.0	470.6	456.8	442.8	431.4	426.9	415.0
42.5°	571.6	535.5	504.0	475.7	459.9	444.6	427.1	416.9	405.1	397.6	390.2
45°	518.1	486.1	459.3	436.1	418.6	402.6	391.2	374.3	367.6	352.5	346.4
47.5°	471.1	441.3	415.8	393.7	376.6	366.2	349.6	336.3	325.6	316.4	308.5
50°	437.7	412.9	388.2	368.6	353.1	338.2	321.1	314.5	297.9	293.3	288.7
52.5°	407.2	383.6	360.9	341.7	326.3	311.7	296.8	288.0	276.9	272.3	268.9
55°	364.5	341.7	320.1	303.1	287.6	272.7	263.4	252.6	247.4	243.8	239.7
57.5°	321.5	301.1	284.6	267.3	251.8	239.9	229.1	222.7	217.3	212.6	207.6
60°	294.4	274.8	259.8	243.8	227.8	218.0	209.8	202.1	195.9	188.6	186.6
62.5°	265.5	248.3	234.7	219.0	205.2	196.2	188.3	181.1	173.6	163.1	160.2
65°	225.8	212.4	197.9	185.1	172.7	163.9	152.6	144.3	141.3	140.2	139.7
67.5°	190.0	177.2	164.8	151.7	140.4	132.3	126.5	125.2	123.1	122.5	121.1
70°	166.0	154.1	141.8	129.4	118.6	117.0	114.9	112.9	110.3	109.3	108.3
72.5°	144.5	132.3	119.9	110.0	105.3	103.4	101.4	99.3	97.6	96.5	95.8
75°	110.8	99.5	91.3	87.7	85.0	83.5	80.4	78.9	77.9	76.2	75.7
77.5°	79.8	73.4	69.6	67.4	64.6	63.0	61.2	59.7	58.6	58.3	57.5
80°	60.8	57.8	55.1	52.1	51.0	49.0	48.5	47.0	47.5	45.8	45.8
82.5°	47.3	43.3	41.1	39.7	38.7	37.1	36.5	35.7	35.9	34.7	34.7
85°	24.2	23.2	22.1	21.1	21.1	19.6	20.1	19.6	19.6	18.6	18.1
87.5°	10.2	10.5	10.7	11.7	12.6	13.2	13.1	12.6	12.5	12.4	12.0
90°	11.7	15.6	20.5	25.4	30.3	35.2	34.8	34.3	33.9	33.5	33.3
92.5°	25.9	27.4	28.6	29.7	30.9	32.0	32.1	32.2	32.3	32.4	32.5
95°	61.4	62.7	63.1	63.6	64.0	64.5	64.5	64.5	64.5	64.5	64.2
97.5°	103.6	105.0	105.9	106.7	107.6	108.5	108.5	108.5	108.5	108.5	108.5
100°	135.1	136.4	137.0	137.7	138.5	139.1	139.1	139.1	139.1	139.1	139.0
102.5°	167.5	168.7	169.6	170.5	171.3	172.2	172.3	172.5	172.7	172.9	172.8
105°	219.3	219.9	220.4	220.9	221.3	221.7	222.2	222.6	223.1	223.5	223.7
107.5°	275.9	276.3	276.3	276.3	276.3	276.3	276.5	276.7	276.9	277.0	276.6
110°	312.8	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.5	313.1

TEST NUMBER: P331694-840

CATALOG NUMBER: SA2XXRDIP-C675D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	351.4	352.0	351.8	351.6	351.5	351.3	350.8	350.2	349.7	349.2	348.6
115°	408.5	408.9	408.5	408.1	407.6	407.2	407.0	406.7	406.5	406.3	405.8
117.5°	467.2	467.4	466.2	464.8	463.6	462.4	461.8	461.3	460.8	460.2	459.6
120°	505.0	505.0	503.2	501.4	499.7	497.9	497.9	497.9	497.9	497.9	497.6
122.5°	541.1	541.6	540.3	539.1	537.9	536.5	536.0	535.4	534.9	534.4	533.9
125°	594.6	595.3	594.6	593.9	593.3	592.6	591.9	591.3	590.6	589.9	589.5
127.5°	649.3	650.3	649.4	648.6	647.8	647.0	646.2	645.4	644.6	643.8	643.0
130°	683.9	685.1	684.6	684.2	683.8	683.3	682.9	682.4	682.0	681.5	680.9
132.5°	718.8	720.0	720.1	720.2	720.2	720.3	719.4	718.4	717.4	716.4	715.6
135°	768.7	770.2	770.6	771.0	771.5	771.9	771.7	771.5	771.3	771.0	770.6
137.5°	819.1	820.4	821.0	821.6	822.2	822.7	822.6	822.4	822.2	822.0	821.5
140°	850.6	852.1	853.2	854.3	855.6	856.7	856.7	856.7	856.7	856.7	856.2
142.5°	882.8	884.2	884.9	885.8	886.5	887.3	887.5	887.7	887.8	888.0	887.7
145°	927.4	928.9	930.2	931.5	932.9	934.2	934.4	934.6	934.9	935.1	934.8
147.5°	970.0	971.4	972.3	973.1	974.0	974.9	975.4	975.9	976.4	976.9	976.7
150°	996.0	997.1	998.0	999.0	999.9	1000.8	1001.4	1002.1	1002.8	1003.4	1003.4
152.5°	1021.1	1022.3	1023.3	1024.4	1025.4	1026.5	1027.4	1028.2	1029.1	1030.0	1030.0
155°	1055.8	1056.5	1057.2	1057.8	1058.5	1059.1	1060.4	1061.5	1062.6	1063.7	1063.9
157.5°	1087.0	1087.4	1087.8	1088.2	1088.6	1089.0	1090.6	1092.1	1093.6	1095.1	1095.3
160°	1106.3	1106.7	1106.9	1107.1	1107.3	1107.5	1108.9	1110.2	1111.6	1113.0	1113.2
162.5°	1122.7	1122.8	1123.1	1123.3	1123.5	1123.7	1125.2	1126.7	1128.2	1129.7	1130.0
165°	1145.0	1144.9	1144.9	1144.9	1144.9	1144.9	1146.4	1148.0	1149.5	1151.1	1151.3
167.5°	1163.0	1162.6	1162.6	1162.5	1162.5	1162.4	1164.0	1165.5	1167.1	1168.6	1168.8
170°	1173.4	1173.0	1172.8	1172.6	1172.3	1172.0	1173.7	1175.2	1176.8	1178.3	1178.4
172.5°	1180.6	1180.2	1180.0	1179.7	1179.5	1179.3	1180.9	1182.5	1184.1	1185.6	1185.7
175°	1189.5	1189.0	1188.5	1188.1	1187.6	1187.2	1188.7	1190.3	1191.8	1193.5	1193.6
177.5°	1193.7	1193.3	1192.9	1192.5	1192.1	1191.8	1192.9	1194.0	1195.1	1196.1	1196.1
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1424.6	1425.4	1424.2	1425.0	1424.2	1425.4	1424.6	1429.2	1430.0	1430.8	1430.0
5°	1327.4	1321.2	1320.2	1318.6	1320.2	1321.2	1327.4	1330.0	1332.0	1336.2	1343.3
7.5°	1211.3	1210.3	1207.8	1204.2	1207.8	1210.3	1211.3	1220.1	1227.2	1235.2	1249.9
10°	1136.6	1134.1	1133.6	1129.9	1133.6	1134.1	1136.6	1148.0	1156.2	1167.6	1187.7
12.5°	1049.2	1032.6	1030.9	1021.9	1030.9	1032.6	1049.2	1063.9	1086.1	1097.0	1118.4
15°	893.3	890.3	879.9	873.2	879.9	890.3	893.3	905.7	913.9	943.8	978.4
17.5°	804.3	794.2	790.9	789.5	790.9	794.2	804.3	810.2	822.0	837.8	858.6
20°	746.9	737.7	736.1	735.1	736.1	737.7	746.9	754.2	763.5	780.4	802.1
22.5°	707.3	697.6	693.7	690.5	693.7	697.6	707.3	713.0	721.3	734.7	749.3
25°	639.7	636.1	634.1	633.0	634.1	636.1	639.7	644.9	653.1	671.2	686.6
27.5°	586.8	578.9	577.3	574.7	577.3	578.9	586.8	596.0	604.6	612.7	626.5
30°	556.7	554.1	550.6	547.4	550.6	554.1	556.7	561.4	567.0	581.0	594.4
32.5°	521.3	519.1	515.9	514.4	515.9	519.1	521.3	527.6	539.4	548.0	557.6
35°	482.0	474.7	471.7	467.1	471.7	474.7	482.0	487.2	491.8	499.0	516.5
37.5°	440.4	436.7	432.3	433.8	432.3	436.7	440.4	442.6	452.4	462.4	470.0
40°	408.3	405.7	404.7	404.1	404.7	405.7	408.3	415.0	426.9	431.4	442.8
42.5°	382.7	375.6	372.9	372.8	372.9	375.6	382.7	390.2	397.6	405.1	416.9
45°	343.9	337.1	332.4	333.1	332.4	337.1	343.9	346.4	352.5	367.6	374.3
47.5°	304.1	303.9	300.9	301.8	300.9	303.9	304.1	308.5	316.4	325.6	336.3
50°	285.1	282.0	279.9	280.4	279.9	282.0	285.1	288.7	293.3	297.9	314.5
52.5°	266.9	264.3	262.6	264.8	262.6	264.3	266.9	268.9	272.3	276.9	288.0
55°	237.1	234.0	233.5	233.0	233.5	234.0	237.1	239.7	243.8	247.4	252.6
57.5°	203.8	201.8	198.6	197.3	198.6	201.8	203.8	207.6	212.6	217.3	222.7
60°	179.9	175.8	170.7	170.1	170.7	175.8	179.9	186.6	188.6	195.9	202.1
62.5°	158.0	157.2	156.2	156.1	156.2	157.2	158.0	160.2	163.1	173.6	181.1
65°	138.7	138.1	138.7	139.2	138.7	138.1	138.7	139.7	140.2	141.3	144.3
67.5°	120.9	119.9	119.0	119.4	119.0	119.9	120.9	121.1	122.5	123.1	125.2
70°	107.2	106.7	106.2	106.2	106.2	106.7	107.2	108.3	109.3	110.3	112.9
72.5°	94.0	93.9	93.4	93.0	93.4	93.9	94.0	95.8	96.5	97.6	99.3
75°	75.2	74.2	74.2	74.2	74.2	74.2	75.2	75.7	76.2	77.9	78.9
77.5°	57.4	56.9	56.2	55.8	56.2	56.9	57.4	57.5	58.3	58.6	59.7
80°	45.3	44.8	44.3	44.3	44.3	44.8	45.3	45.8	45.8	47.5	47.0
82.5°	34.6	34.1	34.0	33.6	34.0	34.1	34.6	34.7	34.7	35.9	35.7
85°	18.6	19.1	18.6	19.6	18.6	19.1	18.6	18.1	18.6	19.6	19.6
87.5°	12.1	11.7	12.2	11.8	12.2	11.7	12.1	12.0	12.4	12.5	12.6
90°	33.6	33.8	34.0	34.2	34.0	33.8	33.6	33.3	33.5	33.9	34.3
92.5°	32.5	32.5	32.6	32.6	32.6	32.5	32.5	32.5	32.4	32.3	32.2
95°	63.8	63.4	62.9	62.5	62.9	63.4	63.8	64.2	64.5	64.5	64.5
97.5°	108.4	108.4	108.3	108.3	108.3	108.4	108.4	108.5	108.5	108.5	108.5
100°	138.8	138.6	138.3	138.0	138.3	138.6	138.8	139.0	139.1	139.1	139.1
102.5°	172.6	172.4	172.2	172.0	172.2	172.4	172.6	172.8	172.9	172.7	172.5
105°	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.7	223.5	223.1	222.6
107.5°	275.6	274.6	273.6	272.5	273.6	274.6	275.6	276.6	277.0	276.9	276.7
110°	312.5	311.7	311.0	310.4	311.0	311.7	312.5	313.1	313.5	313.5	313.5

TEST NUMBER: P331694-840

CATALOG NUMBER: SA2XXRDIP-C675D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	348.2	347.7	347.2	346.7	347.2	347.7	348.2	348.6	349.2	349.7	350.2
115°	405.2	404.5	403.7	403.1	403.7	404.5	405.2	405.8	406.3	406.5	406.7
117.5°	459.0	458.3	457.6	457.0	457.6	458.3	459.0	459.6	460.2	460.8	461.3
120°	496.9	496.1	495.5	494.8	495.5	496.1	496.9	497.6	497.9	497.9	497.9
122.5°	533.4	532.9	532.4	531.9	532.4	532.9	533.4	533.9	534.4	534.9	535.4
125°	589.3	589.0	588.8	588.5	588.8	589.0	589.3	589.5	589.9	590.6	591.3
127.5°	642.3	641.6	640.9	640.2	640.9	641.6	642.3	643.0	643.8	644.6	645.4
130°	679.9	679.0	678.1	677.2	678.1	679.0	679.9	680.9	681.5	682.0	682.4
132.5°	714.9	714.2	713.5	712.8	713.5	714.2	714.9	715.6	716.4	717.4	718.4
135°	769.9	769.3	768.6	767.9	768.6	769.3	769.9	770.6	771.0	771.3	771.5
137.5°	820.6	819.7	818.8	817.9	818.8	819.7	820.6	821.5	822.0	822.2	822.4
140°	855.3	854.3	853.5	852.6	853.5	854.3	855.3	856.2	856.7	856.7	856.7
142.5°	886.8	885.9	884.9	884.0	884.9	885.9	886.8	887.7	888.0	887.8	887.7
145°	933.9	933.0	932.1	931.2	932.1	933.0	933.9	934.8	935.1	934.9	934.6
147.5°	975.9	975.0	974.2	973.3	974.2	975.0	975.9	976.7	976.9	976.4	975.9
150°	1002.8	1002.1	1001.4	1000.8	1001.4	1002.1	1002.8	1003.4	1003.4	1002.8	1002.1
152.5°	1029.1	1028.2	1027.4	1026.5	1027.4	1028.2	1029.1	1030.0	1030.0	1029.1	1028.2
155°	1063.2	1062.6	1061.9	1061.2	1061.9	1062.6	1063.2	1063.9	1063.7	1062.6	1061.5
157.5°	1094.3	1093.2	1092.1	1091.1	1092.1	1093.2	1094.3	1095.3	1095.1	1093.6	1092.1
160°	1112.3	1111.4	1110.4	1109.5	1110.4	1111.4	1112.3	1113.2	1113.0	1111.6	1110.2
162.5°	1128.9	1127.8	1126.8	1125.7	1126.8	1127.8	1128.9	1130.0	1129.7	1128.2	1126.7
165°	1150.2	1149.1	1148.0	1146.9	1148.0	1149.1	1150.2	1151.3	1151.1	1149.5	1148.0
167.5°	1167.7	1166.5	1165.4	1164.2	1165.4	1166.5	1167.7	1168.8	1168.6	1167.1	1165.5
170°	1177.1	1175.8	1174.4	1173.1	1174.4	1175.8	1177.1	1178.4	1178.3	1176.8	1175.2
172.5°	1184.4	1183.1	1181.6	1180.3	1181.6	1183.1	1184.4	1185.7	1185.6	1184.1	1182.5
175°	1192.2	1190.8	1189.5	1188.2	1189.5	1190.8	1192.2	1193.6	1193.5	1191.8	1190.3
177.5°	1195.1	1194.0	1192.9	1191.8	1192.9	1194.0	1195.1	1196.1	1196.1	1195.1	1194.0
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3

TEST NUMBER: P331694-840

CATALOG NUMBER: SA2XXRDIP-C675D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1426.6	1432.4	1441.1	1446.0	1454.3	1459.7	1462.6	1467.9	1470.8	1481.1	1491.9
5°	1347.0	1355.2	1369.7	1383.0	1397.5	1412.4	1423.3	1435.6	1446.9	1466.5	1487.2
7.5°	1255.7	1267.1	1289.4	1310.8	1336.0	1357.1	1375.7	1396.8	1415.7	1443.8	1473.1
10°	1187.2	1207.3	1236.7	1256.8	1289.8	1310.9	1340.3	1363.4	1389.8	1426.8	1459.9
12.5°	1128.2	1152.5	1176.0	1204.0	1233.7	1268.8	1301.1	1330.9	1362.1	1400.5	1439.3
15°	1021.2	1056.2	1092.9	1121.2	1161.4	1198.5	1236.2	1276.4	1314.5	1360.4	1410.9
17.5°	883.4	924.0	985.6	1034.2	1081.4	1118.6	1165.2	1213.9	1258.8	1314.1	1370.4
20°	821.2	851.1	892.8	958.3	1029.5	1069.1	1116.5	1170.1	1221.7	1282.0	1342.3
22.5°	771.2	797.9	831.4	882.4	961.8	1015.9	1065.4	1119.8	1179.6	1241.2	1308.1
25°	700.0	718.6	753.7	794.9	849.5	938.7	992.8	1047.4	1112.5	1178.4	1254.7
27.5°	646.5	663.2	686.0	725.4	766.0	830.0	916.1	975.7	1040.5	1114.7	1193.9
30°	605.7	625.3	650.6	678.4	722.8	772.7	858.8	927.9	991.8	1068.1	1152.7
32.5°	576.0	591.5	613.0	641.3	678.2	726.1	794.9	878.8	941.1	1021.5	1109.7
35°	527.4	545.4	562.9	589.8	619.7	663.5	715.5	805.2	867.1	946.4	1035.1
37.5°	487.3	498.3	517.7	538.9	570.5	603.1	648.2	728.7	795.6	873.5	964.3
40°	456.8	470.6	485.0	508.8	534.5	566.0	610.4	670.1	746.9	823.2	911.9
42.5°	427.1	444.6	459.9	475.7	504.0	535.5	571.6	622.3	700.7	773.0	859.1
45°	391.2	402.6	418.6	436.1	459.3	486.1	518.1	562.4	637.6	700.0	780.9
47.5°	349.6	366.2	376.6	393.7	415.8	441.3	471.1	509.4	570.4	628.8	703.9
50°	321.1	338.2	353.1	368.6	388.2	412.9	437.7	474.7	523.7	585.1	655.2
52.5°	296.8	311.7	326.3	341.7	360.9	383.6	407.2	439.7	481.7	538.1	606.1
55°	263.4	272.7	287.6	303.1	320.1	341.7	364.5	391.7	427.9	475.2	530.5
57.5°	229.1	239.9	251.8	267.3	284.6	301.1	321.5	346.3	374.8	417.7	464.8
60°	209.8	218.0	227.8	243.8	259.8	274.8	294.4	315.0	341.7	378.9	419.1
62.5°	188.3	196.2	205.2	219.0	234.7	248.3	265.5	287.3	310.0	343.9	379.1
65°	152.6	163.9	172.7	185.1	197.9	212.4	225.8	243.3	263.4	290.2	321.6
67.5°	126.5	132.3	140.4	151.7	164.8	177.2	190.0	203.6	221.1	241.8	266.7
70°	114.9	117.0	118.6	129.4	141.8	154.1	166.0	178.8	193.8	210.9	232.5
72.5°	101.4	103.4	105.3	110.0	119.9	132.3	144.5	154.1	168.2	182.4	200.0
75°	80.4	83.5	85.0	87.7	91.3	99.5	110.8	120.1	128.4	139.2	153.1
77.5°	61.2	63.0	64.6	67.4	69.6	73.4	79.8	88.2	95.8	102.2	111.8
80°	48.5	49.0	51.0	52.1	55.1	57.8	60.8	67.6	75.2	77.9	84.5
82.5°	36.5	37.1	38.7	39.7	41.1	43.3	47.3	49.0	55.0	58.5	62.7
85°	20.1	19.6	21.1	21.1	22.1	23.2	24.2	26.8	28.4	32.5	33.5
87.5°	13.1	13.2	12.6	11.7	10.7	10.5	10.2	10.1	10.3	11.0	12.1
90°	34.8	35.2	30.3	25.4	20.5	15.6	11.7	9.1	6.4	3.7	1.0
92.5°	32.1	32.0	30.9	29.7	28.6	27.4	25.9	23.8	21.9	19.9	18.0
95°	64.5	64.5	64.0	63.6	63.1	62.7	61.4	59.1	56.9	54.6	52.4
97.5°	108.5	108.5	107.6	106.7	105.9	105.0	103.6	101.7	99.7	97.8	95.7
100°	139.1	139.1	138.5	137.7	137.0	136.4	135.1	133.4	131.6	129.8	127.9
102.5°	172.3	172.2	171.3	170.5	169.6	168.7	167.5	166.1	164.7	163.3	161.9
105°	222.2	221.7	221.3	220.9	220.4	219.9	219.3	218.7	218.0	217.3	216.7
107.5°	276.5	276.3	276.3	276.3	276.3	276.3	275.9	274.9	273.9	272.9	271.9
110°	313.5	313.5	313.5	313.5	313.5	313.5	312.8	311.4	310.0	308.7	307.4

TEST NUMBER: P331694-840

CATALOG NUMBER: SA2XXRDIP-C675D925U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	350.8	351.3	351.5	351.6	351.8	352.0	351.4	350.1	348.8	347.4	346.1
115°	407.0	407.2	407.6	408.1	408.5	408.9	408.5	407.2	405.8	404.5	403.1
117.5°	461.8	462.4	463.6	464.8	466.2	467.4	467.2	465.3	463.5	461.7	460.0
120°	497.9	497.9	499.7	501.4	503.2	505.0	505.0	503.2	501.4	499.7	497.9
122.5°	536.0	536.5	537.9	539.1	540.3	541.6	541.1	539.0	536.8	534.6	532.5
125°	591.9	592.6	593.3	593.9	594.6	595.3	594.6	592.6	590.6	588.5	586.5
127.5°	646.2	647.0	647.8	648.6	649.4	650.3	649.3	646.8	644.3	641.7	639.1
130°	682.9	683.3	683.8	684.2	684.6	685.1	683.9	681.0	678.0	675.1	672.2
132.5°	719.4	720.3	720.2	720.2	720.1	720.0	718.8	716.4	714.1	711.7	709.3
135°	771.7	771.9	771.5	771.0	770.6	770.2	768.7	766.3	763.8	761.3	758.9
137.5°	822.6	822.7	822.2	821.6	821.0	820.4	819.1	817.1	815.1	813.0	811.1
140°	856.7	856.7	855.6	854.3	853.2	852.1	850.6	848.6	846.6	844.6	842.5
142.5°	887.5	887.3	886.5	885.8	884.9	884.2	882.8	880.8	878.8	876.8	874.7
145°	934.4	934.2	932.9	931.5	930.2	928.9	927.4	925.8	924.2	922.7	921.1
147.5°	975.4	974.9	974.0	973.1	972.3	971.4	970.0	968.1	966.2	964.3	962.4
150°	1001.4	1000.8	999.9	999.0	998.0	997.1	996.0	994.7	993.3	992.0	990.7
152.5°	1027.4	1026.5	1025.4	1024.4	1023.3	1022.3	1021.1	1019.7	1018.3	1017.0	1015.6
155°	1060.4	1059.1	1058.5	1057.8	1057.2	1056.5	1055.8	1055.2	1054.5	1053.8	1053.2
157.5°	1090.6	1089.0	1088.6	1088.2	1087.8	1087.4	1087.0	1086.5	1086.1	1085.6	1085.2
160°	1108.9	1107.5	1107.3	1107.1	1106.9	1106.7	1106.3	1105.9	1105.4	1105.0	1104.6
162.5°	1125.2	1123.7	1123.5	1123.3	1123.1	1122.8	1122.7	1122.6	1122.5	1122.4	1122.3
165°	1146.4	1144.9	1144.9	1144.9	1144.9	1144.9	1145.0	1145.2	1145.4	1145.7	1145.9
167.5°	1164.0	1162.4	1162.5	1162.5	1162.6	1162.6	1163.0	1163.6	1164.3	1165.0	1165.6
170°	1173.7	1172.0	1172.3	1172.6	1172.8	1173.0	1173.4	1174.1	1174.8	1175.4	1176.1
172.5°	1180.9	1179.3	1179.5	1179.7	1180.0	1180.2	1180.6	1181.3	1182.0	1182.7	1183.4
175°	1188.7	1187.2	1187.6	1188.1	1188.5	1189.0	1189.5	1190.2	1190.8	1191.5	1192.2
177.5°	1192.9	1191.8	1192.1	1192.5	1192.9	1193.3	1193.7	1194.3	1194.8	1195.3	1195.9
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1492.3	1493.5	1501.8	1505.4	1512.9	1515.7	1519.0	1518.2	1518.2	1519.8	1531.5
5°	1495.4	1505.7	1521.2	1536.1	1550.5	1563.0	1571.2	1579.4	1582.6	1597.5	1610.9
7.5°	1490.1	1509.0	1534.6	1557.4	1584.7	1606.1	1623.8	1639.8	1650.7	1672.4	1694.8
10°	1483.1	1509.8	1538.7	1568.1	1605.8	1634.1	1662.9	1685.2	1692.3	1724.8	1743.4
12.5°	1469.1	1504.9	1541.7	1579.6	1616.5	1655.6	1687.3	1709.5	1734.8	1764.0	1798.3
15°	1448.0	1489.2	1537.2	1586.2	1638.7	1686.2	1720.2	1758.9	1786.7	1818.7	1848.6
17.5°	1417.7	1470.9	1531.9	1588.5	1649.3	1700.3	1747.1	1784.2	1803.8	1822.0	1826.4
20°	1393.9	1451.1	1522.8	1589.7	1650.6	1709.4	1755.8	1786.7	1791.8	1792.3	1765.0
22.5°	1367.9	1432.5	1507.5	1576.2	1648.9	1714.3	1750.4	1763.6	1743.1	1708.2	1655.4
25°	1320.2	1394.9	1482.1	1560.3	1639.8	1701.6	1714.0	1690.8	1619.1	1543.9	1448.6
27.5°	1268.4	1352.4	1445.8	1533.0	1617.5	1655.9	1629.1	1545.5	1416.4	1304.2	1168.3
30°	1230.5	1324.8	1416.5	1514.0	1592.4	1608.8	1547.5	1424.3	1273.7	1104.7	969.2
32.5°	1187.2	1286.1	1386.8	1487.6	1553.2	1537.1	1435.7	1284.0	1107.6	941.4	813.2
35°	1125.3	1227.4	1336.2	1437.1	1478.9	1409.4	1257.8	1060.4	879.9	724.8	636.6
37.5°	1053.9	1165.0	1278.1	1370.9	1367.9	1251.9	1045.5	841.7	690.0	598.2	535.5
40°	1003.1	1115.5	1237.7	1316.1	1282.5	1131.5	907.8	715.5	604.7	531.5	485.5
42.5°	954.5	1067.2	1188.6	1250.9	1192.7	1006.9	784.1	633.4	542.0	484.8	447.7
45°	871.7	990.8	1103.2	1137.7	1033.6	828.9	634.1	524.7	463.9	421.7	395.9
47.5°	790.7	907.9	1010.5	1011.1	870.2	672.2	534.8	454.1	402.2	369.5	350.7
50°	741.2	852.6	938.7	925.3	765.5	597.9	478.4	408.8	365.5	340.2	320.6
52.5°	685.6	793.7	868.2	830.0	676.8	526.2	427.7	369.2	333.4	311.3	293.9
55°	604.7	700.5	753.2	695.4	552.1	437.7	361.3	315.5	288.7	270.1	255.2
57.5°	525.1	604.3	637.3	570.2	454.7	362.9	305.7	271.2	244.7	231.4	223.6
60°	475.2	542.8	566.0	491.8	395.4	317.5	270.6	238.6	219.0	210.4	202.6
62.5°	426.2	481.4	491.0	422.9	344.7	277.9	237.6	210.7	197.6	189.2	182.0
65°	353.7	393.3	388.7	334.1	272.7	220.7	191.3	174.7	164.9	153.1	140.2
67.5°	291.1	315.4	300.7	259.8	208.1	171.5	152.3	139.8	127.6	116.4	113.4
70°	251.6	265.5	250.0	212.4	170.7	143.8	128.4	113.4	106.2	103.6	99.0
72.5°	213.6	218.4	201.8	169.5	138.9	119.1	104.0	95.6	91.8	89.6	86.6
75°	160.4	156.7	142.3	117.0	96.4	83.0	78.4	75.2	72.7	70.6	69.1
77.5°	112.6	107.3	94.4	78.0	67.2	60.7	58.0	56.2	55.0	54.0	52.5
80°	84.5	80.9	68.1	55.6	51.0	48.0	46.4	44.3	44.3	43.3	41.7
82.5°	61.9	57.9	46.6	40.8	38.3	36.4	35.2	34.0	33.6	33.8	32.7
85°	32.5	26.3	23.2	22.1	20.6	19.6	20.1	19.1	19.1	19.1	18.6
87.5°	10.6	9.1	9.2	9.4	10.5	11.5	12.1	13.1	14.4	13.9	14.3
90°	3.7	6.4	9.1	11.7	15.6	20.5	25.4	30.3	35.2	34.8	34.3
92.5°	19.9	21.9	23.8	25.9	27.4	28.6	29.7	30.9	32.0	32.1	32.2
95°	54.6	56.9	59.1	61.4	62.7	63.1	63.6	64.0	64.5	64.5	64.5
97.5°	97.8	99.7	101.7	103.6	105.0	105.9	106.7	107.6	108.5	108.5	108.5
100°	129.8	131.6	133.4	135.1	136.4	137.0	137.7	138.5	139.1	139.1	139.1
102.5°	163.3	164.7	166.1	167.5	168.7	169.6	170.5	171.3	172.2	172.3	172.5
105°	217.3	218.0	218.7	219.3	219.9	220.4	220.9	221.3	221.7	222.2	222.6
107.5°	272.9	273.9	274.9	275.9	276.3	276.3	276.3	276.3	276.3	276.5	276.7
110°	308.7	310.0	311.4	312.8	313.5	313.5	313.5	313.5	313.5	313.5	313.5

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	347.4	348.8	350.1	351.4	352.0	351.8	351.6	351.5	351.3	350.8	350.2
115°	404.5	405.8	407.2	408.5	408.9	408.5	408.1	407.6	407.2	407.0	406.7
117.5°	461.7	463.5	465.3	467.2	467.4	466.2	464.8	463.6	462.4	461.8	461.3
120°	499.7	501.4	503.2	505.0	505.0	503.2	501.4	499.7	497.9	497.9	497.9
122.5°	534.6	536.8	539.0	541.1	541.6	540.3	539.1	537.9	536.5	536.0	535.4
125°	588.5	590.6	592.6	594.6	595.3	594.6	593.9	593.3	592.6	591.9	591.3
127.5°	641.7	644.3	646.8	649.3	650.3	649.4	648.6	647.8	647.0	646.2	645.4
130°	675.1	678.0	681.0	683.9	685.1	684.6	684.2	683.8	683.3	682.9	682.4
132.5°	711.7	714.1	716.4	718.8	720.0	720.1	720.2	720.2	720.3	719.4	718.4
135°	761.3	763.8	766.3	768.7	770.2	770.6	771.0	771.5	771.9	771.7	771.5
137.5°	813.0	815.1	817.1	819.1	820.4	821.0	821.6	822.2	822.7	822.6	822.4
140°	844.6	846.6	848.6	850.6	852.1	853.2	854.3	855.6	856.7	856.7	856.7
142.5°	876.8	878.8	880.8	882.8	884.2	884.9	885.8	886.5	887.3	887.5	887.7
145°	922.7	924.2	925.8	927.4	928.9	930.2	931.5	932.9	934.2	934.4	934.6
147.5°	964.3	966.2	968.1	970.0	971.4	972.3	973.1	974.0	974.9	975.4	975.9
150°	992.0	993.3	994.7	996.0	997.1	998.0	999.0	999.9	1000.8	1001.4	1002.1
152.5°	1017.0	1018.3	1019.7	1021.1	1022.3	1023.3	1024.4	1025.4	1026.5	1027.4	1028.2
155°	1053.8	1054.5	1055.2	1055.8	1056.5	1057.2	1057.8	1058.5	1059.1	1060.4	1061.5
157.5°	1085.6	1086.1	1086.5	1087.0	1087.4	1087.8	1088.2	1088.6	1089.0	1090.6	1092.1
160°	1105.0	1105.4	1105.9	1106.3	1106.7	1106.9	1107.1	1107.3	1107.5	1108.9	1110.2
162.5°	1122.4	1122.5	1122.6	1122.7	1122.8	1123.1	1123.3	1123.5	1123.7	1125.2	1126.7
165°	1145.7	1145.4	1145.2	1145.0	1144.9	1144.9	1144.9	1144.9	1144.9	1146.4	1148.0
167.5°	1165.0	1164.3	1163.6	1163.0	1162.6	1162.6	1162.5	1162.5	1162.4	1164.0	1165.5
170°	1175.4	1174.8	1174.1	1173.4	1173.0	1172.8	1172.6	1172.3	1172.0	1173.7	1175.2
172.5°	1182.7	1182.0	1181.3	1180.6	1180.2	1180.0	1179.7	1179.5	1179.3	1180.9	1182.5
175°	1191.5	1190.8	1190.2	1189.5	1189.0	1188.5	1188.1	1187.6	1187.2	1188.7	1190.3
177.5°	1195.3	1194.8	1194.3	1193.7	1193.3	1192.9	1192.5	1192.1	1191.8	1192.9	1194.0
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6	1483.6
2.5°	1535.5	1540.9	1543.4	1543.4	1546.3	1545.0	1543.8
5°	1623.8	1633.6	1635.7	1645.0	1651.6	1649.5	1650.6
7.5°	1711.5	1727.3	1742.8	1750.0	1751.1	1755.2	1756.8
10°	1765.5	1778.5	1802.7	1799.1	1817.1	1827.5	1810.4
12.5°	1817.6	1834.9	1851.7	1856.3	1866.6	1869.9	1863.2
15°	1864.5	1873.8	1874.8	1872.3	1875.3	1872.8	1863.0
17.5°	1820.6	1805.5	1775.0	1760.6	1749.2	1732.2	1725.5
20°	1748.0	1703.6	1652.1	1631.5	1607.3	1559.8	1571.2
22.5°	1591.3	1540.8	1489.2	1429.1	1400.3	1355.3	1352.6
25°	1347.5	1260.4	1164.5	1097.5	1058.3	1013.5	993.9
27.5°	1047.6	938.0	859.4	819.6	783.5	747.9	746.4
30°	850.5	768.1	707.2	673.3	651.1	636.1	639.2
32.5°	716.9	660.5	619.5	591.2	574.8	563.5	563.3
35°	586.1	547.4	521.2	509.3	497.5	489.2	489.7
37.5°	501.6	478.4	463.7	450.6	443.2	439.2	437.0
40°	458.3	439.2	427.9	420.1	413.9	408.3	407.3
42.5°	424.0	408.3	396.9	390.8	385.1	381.0	380.0
45°	376.3	363.5	353.1	346.4	343.9	340.2	340.2
47.5°	334.8	322.0	314.1	309.8	305.4	303.0	302.9
50°	306.7	296.9	289.7	287.1	283.5	282.0	281.4
52.5°	281.6	274.3	269.1	267.3	265.8	263.8	264.2
55°	247.4	243.3	241.3	239.7	237.1	234.0	236.1
57.5°	218.6	215.2	209.6	204.8	202.4	200.3	201.1
60°	198.4	191.3	184.0	178.3	176.8	172.2	172.2
62.5°	172.9	162.8	153.9	150.8	149.2	147.0	146.6
65°	133.0	128.9	126.8	124.7	123.7	123.7	122.7
67.5°	110.2	108.6	106.3	105.7	104.7	104.4	104.1
70°	97.5	95.3	94.3	93.8	92.8	93.3	91.8
72.5°	85.0	83.4	83.2	81.9	81.2	81.3	80.2
75°	67.1	67.1	66.4	65.9	64.9	64.4	64.9
77.5°	51.5	51.6	50.7	50.6	50.5	50.6	50.1
80°	41.2	41.7	41.2	40.7	40.2	40.7	40.2
82.5°	32.6	31.8	31.7	31.6	31.5	31.2	31.1
85°	18.6	19.1	18.6	18.1	18.1	18.1	18.6
87.5°	13.8	13.7	13.7	13.7	13.7	13.8	13.4
90°	33.9	33.5	33.3	33.6	33.8	34.0	34.2
92.5°	32.3	32.4	32.5	32.5	32.5	32.6	32.6
95°	64.5	64.5	64.2	63.8	63.4	62.9	62.5
97.5°	108.5	108.5	108.5	108.4	108.4	108.3	108.3
100°	139.1	139.1	139.0	138.8	138.6	138.3	138.0
102.5°	172.7	172.9	172.8	172.6	172.4	172.2	172.0
105°	223.1	223.5	223.7	223.7	223.7	223.7	223.7
107.5°	276.9	277.0	276.6	275.6	274.6	273.6	272.5
110°	313.5	313.5	313.1	312.5	311.7	311.0	310.4

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	349.7	349.2	348.6	348.2	347.7	347.2	346.7
115°	406.5	406.3	405.8	405.2	404.5	403.7	403.1
117.5°	460.8	460.2	459.6	459.0	458.3	457.6	457.0
120°	497.9	497.9	497.6	496.9	496.1	495.5	494.8
122.5°	534.9	534.4	533.9	533.4	532.9	532.4	531.9
125°	590.6	589.9	589.5	589.3	589.0	588.8	588.5
127.5°	644.6	643.8	643.0	642.3	641.6	640.9	640.2
130°	682.0	681.5	680.9	679.9	679.0	678.1	677.2
132.5°	717.4	716.4	715.6	714.9	714.2	713.5	712.8
135°	771.3	771.0	770.6	769.9	769.3	768.6	767.9
137.5°	822.2	822.0	821.5	820.6	819.7	818.8	817.9
140°	856.7	856.7	856.2	855.3	854.3	853.5	852.6
142.5°	887.8	888.0	887.7	886.8	885.9	884.9	884.0
145°	934.9	935.1	934.8	933.9	933.0	932.1	931.2
147.5°	976.4	976.9	976.7	975.9	975.0	974.2	973.3
150°	1002.8	1003.4	1003.4	1002.8	1002.1	1001.4	1000.8
152.5°	1029.1	1030.0	1030.0	1029.1	1028.2	1027.4	1026.5
155°	1062.6	1063.7	1063.9	1063.2	1062.6	1061.9	1061.2
157.5°	1093.6	1095.1	1095.3	1094.3	1093.2	1092.1	1091.1
160°	1111.6	1113.0	1113.2	1112.3	1111.4	1110.4	1109.5
162.5°	1128.2	1129.7	1130.0	1128.9	1127.8	1126.8	1125.7
165°	1149.5	1151.1	1151.3	1150.2	1149.1	1148.0	1146.9
167.5°	1167.1	1168.6	1168.8	1167.7	1166.5	1165.4	1164.2
170°	1176.8	1178.3	1178.4	1177.1	1175.8	1174.4	1173.1
172.5°	1184.1	1185.6	1185.7	1184.4	1183.1	1181.6	1180.3
175°	1191.8	1193.5	1193.6	1192.2	1190.8	1189.5	1188.2
177.5°	1195.1	1196.1	1196.1	1195.1	1194.0	1192.9	1191.8
180°	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3	1194.3

(END OF REPORT)