

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: P331818-930

Luminaire Tested: **S122RDIW-S675D1240U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331818-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S675D1240U930-4F0-1E-UDD-A1
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 675 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1240 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5577.8 lumens
Efficiency: N/A
Efficacy: 90.8 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: Semi-Indirect

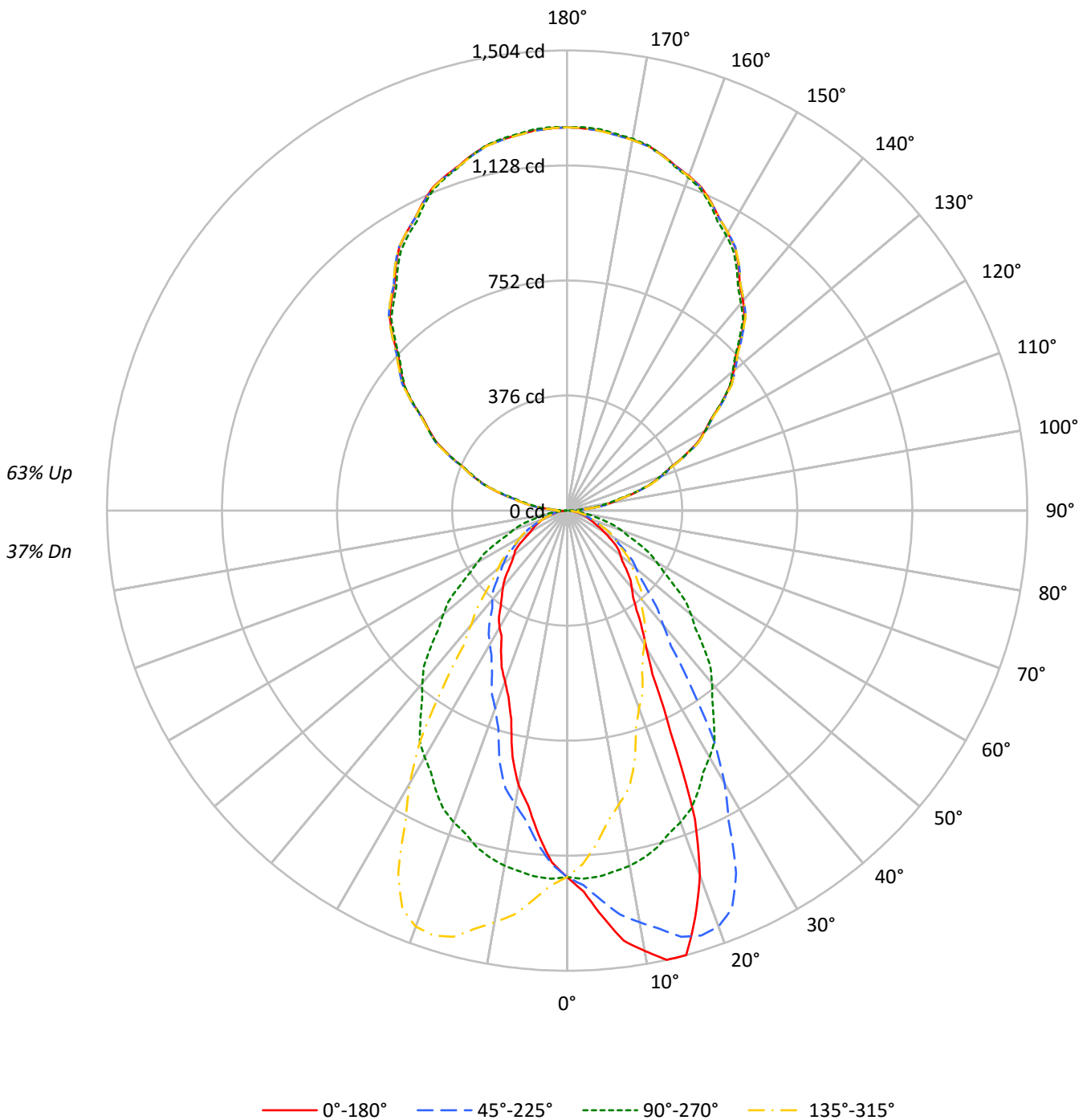
Input Watts (W): 61.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	88	85	86	83	80	77	68	65	64	53	52	51	40	39	38	32
2	87	81	75	70	79	73	69	64	60	56	54	47	45	43	36	35	33	28
3	80	71	64	59	73	65	59	55	53	49	46	43	40	37	32	31	29	25
4	74	63	56	50	67	58	52	47	48	43	40	38	35	32	29	27	26	22
5	68	57	49	44	61	52	45	41	43	38	34	35	31	29	27	25	23	19
6	63	51	44	38	57	47	40	36	39	34	30	32	28	25	25	22	20	17
7	58	46	39	34	53	43	36	31	36	31	27	29	25	23	23	20	18	16
8	54	42	35	30	49	39	32	28	33	28	24	27	23	20	21	19	17	14
9	50	39	32	27	46	36	29	25	30	25	22	25	21	19	20	17	15	13
10	47	36	29	24	43	33	27	23	28	23	20	23	19	17	18	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19339	19339	19339	19339
5°	21598	19460	17253	19460
10°	23963	19323	14955	19323
15°	25142	19041	11784	19041
20°	21795	18620	10198	18620
25°	14295	18045	9103	18045
30°	9622	17350	8240	17350
35°	7792	16472	7433	16472
40°	6930	15517	6877	15517
45°	6272	14397	6140	14397
50°	5707	13288	5687	13288
55°	5365	12056	5295	12056
60°	4489	10924	4434	10924
65°	3786	9922	4290	9922
70°	3498	8861	4050	8861
75°	3269	7711	3737	7711
80°	3013	6341	3329	6341
85°	2779	5020	2927	5020



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	2.0
10°-20°	316.4	5.7
20°-30°	407.7	7.3
30°-40°	387.4	6.9
40°-50°	331.9	6.0
50°-60°	252.7	4.5
60°-70°	159.8	2.9
70°-80°	79.8	1.4
80°-90°	25.8	0.5
90°-100°	79.4	1.4
100°-110°	246.5	4.4
110°-120°	421.4	7.6
120°-130°	554.2	9.9
130°-140°	622.0	11.2
140°-150°	609.9	10.9
150°-160°	511.5	9.2
160°-170°	339.3	6.1
170°-180°	118.6	2.1
0°-30°	837.6	15.0
0°-40°	1225.0	22.0
0°-60°	1809.6	32.4
0°-90°	2075.0	37.2
90°-120°	747.3	13.4
90°-150°	2533.4	45.4
90°-180°	3503.0	62.8
0°-180°	5577.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1198	1198	1198	1198	1198	
5°	1333	1201	1064	1201	1333	132
15°	1504	1139	705	1139	1504	406
25°	802	1013	511	1013	802	381
35°	395	836	377	836	395	253
45°	275	630	269	630	275	213
55°	191	428	188	428	191	167
65°	99	260	112	260	99	101
75°	52	124	60	124	52	56
85°	15	27	16	27	15	17
90°	36	1	36	1	36	16
95°	66	55	66	55	66	73
105°	235	227	235	227	235	247
115°	423	423	423	423	423	418
125°	617	615	617	615	617	550
135°	806	796	806	796	806	620
145°	977	966	977	966	977	610
155°	1113	1105	1113	1105	1113	512
165°	1203	1202	1203	1202	1203	339
175°	1246	1251	1246	1251	1246	118
180°	1253	1253	1253	1253	1253	



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1246.3	1247.3	1248.4	1246.0	1246.0	1244.0	1239.7	1236.4	1227.0	1225.7	1225.7
5°	1332.6	1331.7	1333.4	1328.0	1320.5	1318.8	1310.9	1300.6	1289.7	1277.7	1275.1
7.5°	1418.3	1417.1	1413.7	1412.8	1407.0	1394.5	1381.8	1368.2	1350.2	1332.7	1323.9
10°	1461.6	1475.4	1467.0	1452.5	1455.4	1435.8	1425.4	1407.5	1392.5	1366.3	1360.5
12.5°	1504.2	1509.6	1507.0	1498.7	1494.9	1481.4	1467.4	1451.8	1424.2	1400.6	1380.1
15°	1504.1	1512.0	1514.0	1511.6	1513.6	1512.8	1505.3	1492.4	1468.3	1442.4	1420.0
17.5°	1393.0	1398.5	1412.2	1421.4	1433.1	1457.7	1469.8	1474.6	1471.0	1456.3	1440.5
20°	1268.5	1259.3	1297.6	1317.2	1333.8	1375.4	1411.2	1425.0	1447.0	1446.6	1442.4
22.5°	1092.0	1094.2	1130.5	1153.7	1202.3	1243.9	1284.7	1336.4	1379.1	1407.3	1423.8
25°	802.4	818.2	854.4	886.1	940.1	1017.6	1087.9	1169.5	1246.4	1307.2	1365.1
27.5°	602.6	603.8	632.5	661.7	693.8	757.2	845.8	943.2	1053.0	1143.5	1247.7
30°	516.1	513.6	525.6	543.6	571.0	620.1	686.6	782.4	891.9	1028.3	1149.9
32.5°	454.8	454.9	464.1	477.3	500.1	533.2	578.8	656.6	760.0	894.2	1036.7
35°	395.3	394.9	401.6	411.2	420.8	442.0	473.2	514.0	585.1	710.4	856.1
37.5°	352.8	354.6	357.8	363.8	374.4	386.2	405.0	432.4	483.0	557.1	679.6
40°	328.8	329.6	334.2	339.2	345.4	354.6	370.0	392.0	429.1	488.2	577.6
42.5°	306.8	307.6	310.9	315.5	320.4	329.6	342.3	361.4	391.4	437.6	511.4
45°	274.7	274.7	277.6	279.6	285.1	293.4	303.8	319.6	340.5	374.5	423.6
47.5°	244.5	244.6	246.5	250.1	253.6	260.0	270.3	283.2	298.3	324.7	366.6
50°	227.2	227.6	228.9	231.8	233.9	239.7	247.6	258.9	274.7	295.1	330.0
52.5°	213.3	213.0	214.6	215.8	217.3	221.4	227.3	237.3	251.4	269.1	298.1
55°	190.6	188.9	191.4	193.6	194.8	196.4	199.7	206.0	218.1	233.1	254.7
57.5°	162.3	161.7	163.4	165.3	169.3	173.7	176.5	180.5	186.8	197.5	219.0
60°	139.0	139.0	142.8	144.0	148.5	154.4	160.2	163.5	169.8	176.8	192.7
62.5°	118.4	118.7	120.4	121.7	124.3	131.4	139.6	146.9	152.8	159.6	170.1
65°	99.1	99.9	99.9	100.7	102.4	104.0	107.4	113.2	123.6	133.1	141.0
67.5°	84.1	84.3	84.5	85.4	85.9	87.6	88.9	91.6	94.0	103.1	112.8
70°	74.1	75.3	74.9	75.7	76.1	77.0	78.7	79.9	83.6	85.8	91.6
72.5°	64.7	65.6	65.6	66.1	67.2	67.3	68.6	70.0	72.3	74.1	77.2
75°	52.4	52.0	52.4	53.2	53.6	54.1	54.1	55.8	57.0	58.7	60.7
77.5°	40.4	40.8	40.8	40.8	40.9	41.7	41.6	42.4	43.6	44.4	45.4
80°	32.4	32.9	32.4	32.9	33.3	33.7	33.3	33.7	35.0	35.8	35.8
82.5°	25.1	25.2	25.4	25.5	25.6	25.7	26.3	26.4	27.3	27.1	27.5
85°	15.0	14.6	14.6	14.6	15.0	15.4	15.0	15.0	15.4	15.4	15.4
87.5°	12.6	12.8	12.7	12.7	12.6	12.7	12.8	13.2	13.0	13.4	12.1
90°	36.0	35.7	35.5	35.2	35.0	35.1	35.6	36.0	36.5	37.0	31.8
92.5°	34.2	34.2	34.2	34.1	34.1	34.0	33.9	33.8	33.7	33.6	32.4
95°	65.6	66.0	66.4	66.9	67.4	67.7	67.7	67.7	67.7	67.7	67.2
97.5°	113.6	113.6	113.7	113.7	113.7	113.7	113.7	113.7	113.7	113.7	112.8
100°	144.8	145.0	145.3	145.5	145.8	145.9	145.9	145.9	145.9	145.9	145.2
102.5°	180.3	180.6	180.8	181.1	181.3	181.3	181.2	180.9	180.8	180.6	179.7
105°	234.7	234.7	234.7	234.7	234.7	234.5	234.0	233.5	233.0	232.6	232.1
107.5°	285.8	286.9	288.0	289.1	290.2	290.7	290.4	290.2	290.1	289.8	289.8
110°	325.6	326.3	327.0	327.8	328.4	328.8	328.8	328.8	328.8	328.8	328.8



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	363.6	364.2	364.7	365.2	365.7	366.2	366.8	367.4	367.9	368.5	368.7
115°	422.9	423.5	424.3	425.0	425.7	426.2	426.4	426.6	426.9	427.1	427.5
117.5°	479.3	480.0	480.7	481.4	482.2	482.7	483.3	483.9	484.5	485.0	486.3
120°	519.1	519.8	520.5	521.1	521.9	522.2	522.2	522.2	522.2	522.2	524.1
122.5°	558.0	558.5	559.0	559.5	560.0	560.6	561.2	561.7	562.2	562.8	564.1
125°	617.3	617.6	617.8	618.1	618.3	618.8	619.5	620.2	620.9	621.6	622.3
127.5°	671.5	672.3	673.0	673.8	674.5	675.3	676.1	677.0	677.8	678.7	679.6
130°	710.4	711.3	712.3	713.2	714.2	714.9	715.3	715.8	716.2	716.7	717.2
132.5°	747.6	748.4	749.1	749.9	750.6	751.5	752.5	753.6	754.6	755.6	755.5
135°	805.5	806.2	807.0	807.6	808.4	808.9	809.1	809.3	809.5	809.8	809.3
137.5°	858.0	858.9	859.9	860.8	861.8	862.3	862.5	862.7	862.9	863.1	862.4
140°	894.4	895.3	896.3	897.2	898.1	898.5	898.5	898.5	898.5	898.5	897.4
142.5°	927.3	928.3	929.2	930.2	931.1	931.5	931.3	931.1	930.9	930.7	929.9
145°	976.8	977.8	978.7	979.7	980.6	980.9	980.7	980.5	980.2	980.0	978.6
147.5°	1021.0	1021.9	1022.8	1023.7	1024.6	1024.7	1024.3	1023.7	1023.2	1022.7	1021.7
150°	1049.8	1050.4	1051.2	1051.9	1052.6	1052.6	1051.9	1051.2	1050.4	1049.8	1048.8
152.5°	1076.8	1077.7	1078.6	1079.5	1080.4	1080.4	1079.5	1078.6	1077.7	1076.8	1075.7
155°	1113.2	1113.9	1114.6	1115.3	1116.0	1115.7	1114.6	1113.5	1112.2	1111.1	1110.4
157.5°	1144.4	1145.6	1146.7	1147.9	1149.0	1148.8	1147.1	1145.6	1143.9	1142.4	1141.9
160°	1163.9	1164.9	1165.8	1166.8	1167.7	1167.4	1166.0	1164.7	1163.2	1161.8	1161.6
162.5°	1180.9	1181.9	1183.1	1184.2	1185.4	1185.1	1183.5	1181.9	1180.3	1178.8	1178.5
165°	1203.1	1204.2	1205.4	1206.6	1207.7	1207.5	1205.8	1204.2	1202.6	1200.9	1200.9
167.5°	1221.2	1222.5	1223.7	1224.9	1226.1	1225.9	1224.3	1222.6	1221.0	1219.3	1219.4
170°	1230.5	1231.9	1233.4	1234.8	1236.2	1236.1	1234.4	1232.7	1231.1	1229.5	1229.7
172.5°	1238.1	1239.6	1241.0	1242.4	1243.7	1243.7	1242.0	1240.4	1238.8	1237.1	1237.3
175°	1246.3	1247.8	1249.2	1250.6	1252.1	1251.9	1250.3	1248.6	1247.0	1245.3	1245.8
177.5°	1250.2	1251.3	1252.5	1253.6	1254.7	1254.7	1253.6	1252.5	1251.3	1250.2	1250.6
180°	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1226.4	1223.7	1221.4	1215.4	1212.4	1205.7	1204.8	1204.4	1195.7	1187.4	1185.1
5°	1268.5	1261.8	1251.8	1240.2	1228.1	1215.6	1207.3	1200.7	1184.0	1168.2	1159.0
7.5°	1310.9	1296.7	1279.4	1257.4	1238.9	1218.3	1203.0	1189.3	1165.6	1143.0	1127.7
10°	1342.6	1319.2	1296.4	1266.0	1242.3	1219.0	1197.3	1178.6	1151.9	1122.0	1100.7
12.5°	1362.2	1336.6	1305.0	1275.3	1244.6	1215.0	1186.0	1162.0	1130.7	1099.7	1074.5
15°	1388.8	1361.3	1323.0	1280.6	1241.0	1202.3	1169.1	1139.1	1098.3	1061.3	1030.5
17.5°	1410.5	1372.7	1331.5	1282.5	1236.7	1187.5	1144.6	1106.4	1060.9	1016.3	980.0
20°	1417.5	1380.1	1332.6	1283.4	1229.4	1171.5	1125.4	1083.7	1035.0	986.3	944.7
22.5°	1413.2	1384.1	1331.2	1272.5	1217.1	1156.5	1104.3	1056.1	1002.1	952.4	904.1
25°	1383.8	1373.8	1323.9	1259.7	1196.5	1126.2	1065.8	1012.9	951.4	898.1	845.6
27.5°	1315.2	1336.8	1305.9	1237.6	1167.3	1091.8	1024.0	963.8	899.9	840.0	787.7
30°	1249.4	1298.9	1285.6	1222.3	1143.6	1069.6	993.4	930.6	862.3	800.7	749.1
32.5°	1159.1	1241.0	1253.9	1201.0	1119.7	1038.3	958.5	895.9	824.7	759.8	709.5
35°	1015.5	1137.8	1194.0	1160.3	1078.7	990.9	908.5	835.7	764.1	700.0	650.0
37.5°	844.1	1010.7	1104.3	1106.8	1031.8	940.5	850.8	778.5	705.2	642.3	588.3
40°	732.9	913.5	1035.4	1062.5	999.2	900.6	809.8	736.2	664.6	603.0	541.0
42.5°	633.0	812.9	962.9	1009.9	959.6	861.6	770.6	693.6	624.0	565.7	502.4
45°	511.9	669.2	834.5	918.5	890.6	799.9	703.8	630.5	565.2	514.8	454.0
47.5°	431.8	542.7	702.5	816.3	815.8	733.0	638.4	568.3	507.7	460.5	411.2
50°	386.2	482.7	618.0	747.1	757.8	688.4	598.4	529.0	472.4	422.8	383.3
52.5°	345.3	424.9	546.4	670.1	700.9	640.7	553.5	489.3	434.4	388.9	355.0
55°	291.7	353.4	445.7	561.4	608.1	565.6	488.2	428.3	383.7	345.4	316.3
57.5°	246.8	293.0	367.1	460.3	514.5	487.9	424.0	375.3	337.2	302.6	279.6
60°	218.5	256.3	319.2	397.1	457.0	438.2	383.7	338.3	305.9	275.9	254.3
62.5°	191.8	224.4	278.3	341.4	396.4	388.7	344.1	306.1	277.6	250.3	232.0
65°	154.4	178.1	220.1	269.7	313.8	317.6	285.5	259.7	234.3	212.6	196.4
67.5°	122.9	138.4	168.0	209.8	242.8	254.6	235.1	215.3	195.2	178.5	164.4
70°	103.6	116.1	137.8	171.5	201.9	214.3	203.1	187.7	170.2	156.5	144.4
72.5°	84.0	96.1	112.1	136.8	162.9	176.3	172.4	161.4	147.2	135.8	124.4
75°	63.3	67.0	77.9	94.5	114.9	126.5	129.5	123.6	112.3	103.6	96.9
77.5°	46.8	49.0	54.2	62.9	76.2	86.7	90.9	90.3	82.5	77.4	71.2
80°	37.4	38.7	41.2	44.9	55.0	65.3	68.2	68.2	62.9	60.7	54.5
82.5°	28.5	29.4	30.9	32.9	37.6	46.7	50.0	50.6	47.2	44.4	39.5
85°	16.2	15.8	16.6	17.9	18.8	21.2	26.3	27.1	26.3	22.9	21.6
87.5°	11.0	10.3	9.3	8.2	7.9	7.7	8.8	9.9	9.1	8.6	8.6
90°	26.7	21.5	16.3	12.3	9.5	6.7	3.9	1.1	3.9	6.7	9.5
92.5°	31.1	29.9	28.7	27.1	25.0	23.0	20.9	18.8	20.9	23.0	25.0
95°	66.7	66.3	65.8	64.4	62.0	59.7	57.3	55.0	57.3	59.7	62.0
97.5°	111.9	111.0	110.1	108.7	106.6	104.6	102.5	100.4	102.5	104.6	106.6
100°	144.5	143.7	143.1	141.8	139.9	138.0	136.2	134.3	136.2	138.0	139.9
102.5°	178.8	177.9	177.0	175.8	174.3	172.8	171.3	169.7	171.3	172.8	174.3
105°	231.6	231.1	230.7	230.1	229.4	228.7	228.0	227.3	228.0	228.7	229.4
107.5°	289.8	289.8	289.8	289.3	288.3	287.3	286.3	285.2	286.3	287.3	288.3
110°	328.8	328.8	328.8	328.1	326.7	325.2	323.8	322.5	323.8	325.2	326.7



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	368.9	369.1	369.2	368.7	367.3	365.8	364.4	363.1	364.4	365.8	367.3
115°	428.0	428.5	428.9	428.5	427.1	425.7	424.3	422.9	424.3	425.7	427.1
117.5°	487.6	488.9	490.3	490.0	488.1	486.2	484.4	482.5	484.4	486.2	488.1
120°	526.0	527.9	529.8	529.8	527.9	526.0	524.1	522.2	524.1	526.0	527.9
122.5°	565.5	566.8	568.1	567.6	565.3	563.1	560.8	558.6	560.8	563.1	565.3
125°	623.1	623.7	624.4	623.7	621.6	619.5	617.3	615.2	617.3	619.5	621.6
127.5°	680.4	681.3	682.1	681.2	678.5	675.8	673.1	670.4	673.1	675.8	678.5
130°	717.7	718.2	718.6	717.3	714.3	711.3	708.2	705.2	708.2	711.3	714.3
132.5°	755.5	755.4	755.3	754.0	751.5	749.0	746.5	744.0	746.5	749.0	751.5
135°	808.9	808.4	807.9	806.4	803.8	801.2	798.6	796.1	798.6	801.2	803.8
137.5°	861.9	861.2	860.6	859.2	857.1	855.0	852.9	850.8	852.9	855.0	857.1
140°	896.3	895.0	893.9	892.3	890.1	888.0	885.9	883.8	885.9	888.0	890.1
142.5°	929.1	928.3	927.5	926.1	924.0	921.9	919.7	917.6	919.7	921.9	924.0
145°	977.1	975.8	974.4	972.8	971.2	969.6	967.9	966.2	967.9	969.6	971.2
147.5°	1020.8	1019.9	1019.0	1017.5	1015.5	1013.5	1011.5	1009.6	1011.5	1013.5	1015.5
150°	1047.9	1046.9	1046.0	1044.8	1043.4	1042.0	1040.6	1039.2	1040.6	1042.0	1043.4
152.5°	1074.6	1073.4	1072.3	1071.1	1069.6	1068.2	1066.8	1065.4	1066.8	1068.2	1069.6
155°	1109.6	1109.0	1108.2	1107.6	1106.9	1106.1	1105.5	1104.7	1105.5	1106.1	1106.9
157.5°	1141.5	1141.1	1140.7	1140.2	1139.8	1139.3	1138.8	1138.3	1138.8	1139.3	1139.8
160°	1161.3	1161.1	1160.9	1160.5	1160.1	1159.6	1159.1	1158.6	1159.1	1159.6	1160.1
162.5°	1178.3	1178.0	1177.8	1177.6	1177.5	1177.5	1177.4	1177.2	1177.4	1177.5	1177.5
165°	1200.9	1200.9	1200.9	1201.0	1201.3	1201.5	1201.8	1202.0	1201.8	1201.5	1201.3
167.5°	1219.4	1219.4	1219.5	1219.9	1220.6	1221.3	1222.0	1222.7	1222.0	1221.3	1220.6
170°	1230.0	1230.2	1230.4	1230.9	1231.6	1232.3	1233.0	1233.7	1233.0	1232.3	1231.6
172.5°	1237.5	1237.8	1238.0	1238.5	1239.2	1239.9	1240.6	1241.3	1240.6	1239.9	1239.2
175°	1246.3	1246.8	1247.2	1247.8	1248.5	1249.2	1249.9	1250.6	1249.9	1249.2	1248.5
177.5°	1250.9	1251.3	1251.7	1252.1	1252.7	1253.3	1253.8	1254.4	1253.8	1253.3	1252.7
180°	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1180.8	1178.4	1174.1	1167.4	1163.4	1156.4	1151.8	1154.5	1155.1	1154.5	1153.8
5°	1149.1	1140.3	1128.2	1116.6	1105.8	1094.1	1087.4	1084.5	1078.7	1075.4	1073.7
7.5°	1110.7	1095.6	1078.6	1058.3	1041.0	1023.0	1013.7	1009.1	997.2	990.8	985.0
10°	1082.1	1058.3	1041.3	1014.6	998.4	974.7	958.5	958.9	942.6	933.4	926.8
12.5°	1050.4	1024.3	996.0	972.0	949.4	930.4	910.9	902.9	885.7	876.9	858.9
15°	998.0	967.6	937.7	905.1	882.3	852.7	824.4	789.9	762.0	737.8	731.2
17.5°	940.7	903.1	873.0	834.9	795.7	746.0	713.2	693.2	676.4	663.7	654.1
20°	901.4	863.2	831.1	773.6	720.8	687.1	663.0	647.6	630.1	616.4	608.9
22.5°	860.1	820.2	776.5	712.4	671.2	644.2	622.6	605.0	593.1	582.4	575.6
25°	801.5	757.8	685.8	641.7	608.5	580.2	565.2	554.3	541.8	527.3	520.7
27.5°	739.6	670.1	618.4	585.6	553.8	535.4	522.0	505.8	494.6	488.1	481.2
30°	693.3	623.9	583.5	547.7	525.2	504.8	489.0	479.9	469.0	457.8	453.2
32.5°	641.7	586.2	547.6	517.7	494.9	477.5	465.0	450.2	442.4	435.5	425.9
35°	577.6	535.7	500.3	476.1	454.4	440.3	425.7	417.0	402.8	397.1	393.3
37.5°	523.3	486.9	460.6	435.0	417.9	402.3	393.4	379.4	373.3	365.3	357.3
40°	492.8	457.0	431.5	410.7	391.6	379.9	368.8	357.5	348.3	344.6	335.0
42.5°	461.5	432.4	406.9	384.1	371.3	359.0	344.8	336.6	327.0	321.0	315.0
45°	418.2	392.5	370.8	352.0	337.9	325.1	315.8	302.1	296.8	284.6	279.6
47.5°	380.3	356.3	335.7	317.9	304.0	295.6	282.3	271.5	262.9	255.4	249.1
50°	353.4	333.4	313.4	297.6	285.1	273.0	259.3	253.9	240.5	236.8	233.1
52.5°	328.7	309.7	291.4	275.9	263.4	251.7	239.6	232.5	223.6	219.8	217.1
55°	294.2	275.9	258.4	244.7	232.2	220.1	212.6	203.9	199.7	196.8	193.6
57.5°	259.6	243.1	229.8	215.8	203.3	193.7	185.0	179.8	175.5	171.6	167.6
60°	237.7	221.8	209.8	196.8	183.9	176.0	169.4	163.1	158.2	152.3	150.7
62.5°	214.3	200.5	189.5	176.8	165.7	158.4	152.1	146.2	140.1	131.7	129.3
65°	182.3	171.5	159.8	149.4	139.4	132.3	123.2	116.5	114.1	113.2	112.8
67.5°	153.4	143.1	133.1	122.5	113.3	106.8	102.2	101.1	99.4	98.9	97.8
70°	134.0	124.4	114.5	104.4	95.7	94.5	92.8	91.2	89.0	88.2	87.4
72.5°	116.7	106.8	96.8	88.8	85.0	83.5	81.9	80.1	78.8	77.9	77.4
75°	89.4	80.3	73.7	70.8	68.6	67.4	64.9	63.7	62.9	61.6	61.1
77.5°	64.4	59.3	56.2	54.4	52.2	50.9	49.4	48.2	47.3	47.0	46.4
80°	49.1	46.6	44.5	42.1	41.2	39.5	39.1	37.9	38.3	37.0	37.0
82.5°	38.2	35.0	33.2	32.0	31.2	29.9	29.4	28.9	28.9	28.0	28.0
85°	19.6	18.8	17.9	17.0	17.0	15.8	16.2	15.8	15.8	15.0	14.6
87.5°	8.8	9.3	9.6	10.7	11.7	12.4	12.3	11.9	11.7	11.7	11.3
90°	12.3	16.3	21.5	26.7	31.8	37.0	36.5	36.0	35.6	35.1	35.0
92.5°	27.1	28.7	29.9	31.1	32.4	33.6	33.7	33.8	33.9	34.0	34.1
95°	64.4	65.8	66.3	66.7	67.2	67.7	67.7	67.7	67.7	67.7	67.4
97.5°	108.7	110.1	111.0	111.9	112.8	113.7	113.7	113.7	113.7	113.7	113.7
100°	141.8	143.1	143.7	144.5	145.2	145.9	145.9	145.9	145.9	145.9	145.8
102.5°	175.8	177.0	177.9	178.8	179.7	180.6	180.8	180.9	181.2	181.3	181.3
105°	230.1	230.7	231.1	231.6	232.1	232.6	233.0	233.5	234.0	234.5	234.7
107.5°	289.3	289.8	289.8	289.8	289.8	289.8	290.1	290.2	290.4	290.7	290.2
110°	328.1	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.8	328.4



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	368.7	369.2	369.1	368.9	368.7	368.5	367.9	367.4	366.8	366.2	365.7
115°	428.5	428.9	428.5	428.0	427.5	427.1	426.9	426.6	426.4	426.2	425.7
117.5°	490.0	490.3	488.9	487.6	486.3	485.0	484.5	483.9	483.3	482.7	482.2
120°	529.8	529.8	527.9	526.0	524.1	522.2	522.2	522.2	522.2	522.2	521.9
122.5°	567.6	568.1	566.8	565.5	564.1	562.8	562.2	561.7	561.2	560.6	560.0
125°	623.7	624.4	623.7	623.1	622.3	621.6	620.9	620.2	619.5	618.8	618.3
127.5°	681.2	682.1	681.3	680.4	679.6	678.7	677.8	677.0	676.1	675.3	674.5
130°	717.3	718.6	718.2	717.7	717.2	716.7	716.2	715.8	715.3	714.9	714.2
132.5°	754.0	755.3	755.4	755.5	755.5	755.6	754.6	753.6	752.5	751.5	750.6
135°	806.4	807.9	808.4	808.9	809.3	809.8	809.5	809.3	809.1	808.9	808.4
137.5°	859.2	860.6	861.2	861.9	862.4	863.1	862.9	862.7	862.5	862.3	861.8
140°	892.3	893.9	895.0	896.3	897.4	898.5	898.5	898.5	898.5	898.5	898.1
142.5°	926.1	927.5	928.3	929.1	929.9	930.7	930.9	931.1	931.3	931.5	931.1
145°	972.8	974.4	975.8	977.1	978.6	980.0	980.2	980.5	980.7	980.9	980.6
147.5°	1017.5	1019.0	1019.9	1020.8	1021.7	1022.7	1023.2	1023.7	1024.3	1024.7	1024.6
150°	1044.8	1046.0	1046.9	1047.9	1048.8	1049.8	1050.4	1051.2	1051.9	1052.6	1052.6
152.5°	1071.1	1072.3	1073.4	1074.6	1075.7	1076.8	1077.7	1078.6	1079.5	1080.4	1080.4
155°	1107.6	1108.2	1109.0	1109.6	1110.4	1111.1	1112.2	1113.5	1114.6	1115.7	1116.0
157.5°	1140.2	1140.7	1141.1	1141.5	1141.9	1142.4	1143.9	1145.6	1147.1	1148.8	1149.0
160°	1160.5	1160.9	1161.1	1161.3	1161.6	1161.8	1163.2	1164.7	1166.0	1167.4	1167.7
162.5°	1177.6	1177.8	1178.0	1178.3	1178.5	1178.8	1180.3	1181.9	1183.5	1185.1	1185.4
165°	1201.0	1200.9	1200.9	1200.9	1200.9	1200.9	1202.6	1204.2	1205.8	1207.5	1207.7
167.5°	1219.9	1219.5	1219.4	1219.4	1219.4	1219.3	1221.0	1222.6	1224.3	1225.9	1226.1
170°	1230.9	1230.4	1230.2	1230.0	1229.7	1229.5	1231.1	1232.7	1234.4	1236.1	1236.2
172.5°	1238.5	1238.0	1237.8	1237.5	1237.3	1237.1	1238.8	1240.4	1242.0	1243.7	1243.7
175°	1247.8	1247.2	1246.8	1246.3	1245.8	1245.3	1247.0	1248.6	1250.3	1251.9	1252.1
177.5°	1252.1	1251.7	1251.3	1250.9	1250.6	1250.2	1251.3	1252.5	1253.6	1254.7	1254.7
180°	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1150.1	1150.8	1149.8	1150.5	1149.8	1150.8	1150.1	1153.8	1154.5	1155.1	1154.5
5°	1071.6	1066.7	1065.8	1064.5	1065.8	1066.7	1071.6	1073.7	1075.4	1078.7	1084.5
7.5°	978.0	977.1	975.1	972.2	975.1	977.1	978.0	985.0	990.8	997.2	1009.1
10°	917.6	915.6	915.2	912.2	915.2	915.6	917.6	926.8	933.4	942.6	958.9
12.5°	847.1	833.6	832.3	825.0	832.3	833.6	847.1	858.9	876.9	885.7	902.9
15°	721.2	718.8	710.4	705.0	710.4	718.8	721.2	731.2	737.8	762.0	789.9
17.5°	649.3	641.2	638.5	637.4	638.5	641.2	649.3	654.1	663.7	676.4	693.2
20°	603.0	595.6	594.3	593.5	594.3	595.6	603.0	608.9	616.4	630.1	647.6
22.5°	571.0	563.2	560.0	557.5	560.0	563.2	571.0	575.6	582.4	593.1	605.0
25°	516.5	513.6	511.9	511.0	511.9	513.6	516.5	520.7	527.3	541.8	554.3
27.5°	473.8	467.3	466.1	464.0	466.1	467.3	473.8	481.2	488.1	494.6	505.8
30°	449.5	447.4	444.5	442.0	444.5	447.4	449.5	453.2	457.8	469.0	479.9
32.5°	420.9	419.1	416.5	415.3	416.5	419.1	420.9	425.9	435.5	442.4	450.2
35°	389.1	383.3	380.8	377.1	380.8	383.3	389.1	393.3	397.1	402.8	417.0
37.5°	355.6	352.5	349.0	350.3	349.0	352.5	355.6	357.3	365.3	373.3	379.4
40°	329.6	327.5	326.7	326.3	326.7	327.5	329.6	335.0	344.6	348.3	357.5
42.5°	309.0	303.2	301.1	301.0	301.1	303.2	309.0	315.0	321.0	327.0	336.6
45°	277.6	272.1	268.4	268.9	268.4	272.1	277.6	279.6	284.6	296.8	302.1
47.5°	245.5	245.3	243.0	243.7	243.0	245.3	245.5	249.1	255.4	262.9	271.5
50°	230.2	227.6	226.0	226.4	226.0	227.6	230.2	233.1	236.8	240.5	253.9
52.5°	215.5	213.4	212.0	213.8	212.0	213.4	215.5	217.1	219.8	223.6	232.5
55°	191.4	188.9	188.5	188.1	188.5	188.9	191.4	193.6	196.8	199.7	203.9
57.5°	164.5	162.9	160.4	159.3	160.4	162.9	164.5	167.6	171.6	175.5	179.8
60°	145.2	141.9	137.8	137.3	137.8	141.9	145.2	150.7	152.3	158.2	163.1
62.5°	127.6	126.9	126.1	126.0	126.1	126.9	127.6	129.3	131.7	140.1	146.2
65°	111.9	111.5	111.9	112.3	111.9	111.5	111.9	112.8	113.2	114.1	116.5
67.5°	97.6	96.8	96.0	96.4	96.0	96.8	97.6	97.8	98.9	99.4	101.1
70°	86.6	86.2	85.8	85.8	85.8	86.2	86.6	87.4	88.2	89.0	91.2
72.5°	75.9	75.8	75.4	75.1	75.4	75.8	75.9	77.4	77.9	78.8	80.1
75°	60.7	59.9	59.9	59.9	59.9	59.9	60.7	61.1	61.6	62.9	63.7
77.5°	46.3	45.9	45.4	45.1	45.4	45.9	46.3	46.4	47.0	47.3	48.2
80°	36.6	36.2	35.8	35.8	35.8	36.2	36.6	37.0	37.0	38.3	37.9
82.5°	28.0	27.6	27.5	27.1	27.5	27.6	28.0	28.0	28.0	28.9	28.9
85°	15.0	15.4	15.0	15.8	15.0	15.4	15.0	14.6	15.0	15.8	15.8
87.5°	11.4	11.1	11.5	11.2	11.5	11.1	11.4	11.3	11.7	11.7	11.9
90°	35.2	35.5	35.7	36.0	35.7	35.5	35.2	35.0	35.1	35.6	36.0
92.5°	34.1	34.2	34.2	34.2	34.2	34.2	34.1	34.1	34.0	33.9	33.8
95°	66.9	66.4	66.0	65.6	66.0	66.4	66.9	67.4	67.7	67.7	67.7
97.5°	113.7	113.7	113.6	113.6	113.6	113.7	113.7	113.7	113.7	113.7	113.7
100°	145.5	145.3	145.0	144.8	145.0	145.3	145.5	145.8	145.9	145.9	145.9
102.5°	181.1	180.8	180.6	180.3	180.6	180.8	181.1	181.3	181.3	181.2	180.9
105°	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.7	234.5	234.0	233.5
107.5°	289.1	288.0	286.9	285.8	286.9	288.0	289.1	290.2	290.7	290.4	290.2
110°	327.8	327.0	326.3	325.6	326.3	327.0	327.8	328.4	328.8	328.8	328.8



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	365.2	364.7	364.2	363.6	364.2	364.7	365.2	365.7	366.2	366.8	367.4
115°	425.0	424.3	423.5	422.9	423.5	424.3	425.0	425.7	426.2	426.4	426.6
117.5°	481.4	480.7	480.0	479.3	480.0	480.7	481.4	482.2	482.7	483.3	483.9
120°	521.1	520.5	519.8	519.1	519.8	520.5	521.1	521.9	522.2	522.2	522.2
122.5°	559.5	559.0	558.5	558.0	558.5	559.0	559.5	560.0	560.6	561.2	561.7
125°	618.1	617.8	617.6	617.3	617.6	617.8	618.1	618.3	618.8	619.5	620.2
127.5°	673.8	673.0	672.3	671.5	672.3	673.0	673.8	674.5	675.3	676.1	677.0
130°	713.2	712.3	711.3	710.4	711.3	712.3	713.2	714.2	714.9	715.3	715.8
132.5°	749.9	749.1	748.4	747.6	748.4	749.1	749.9	750.6	751.5	752.5	753.6
135°	807.6	807.0	806.2	805.5	806.2	807.0	807.6	808.4	808.9	809.1	809.3
137.5°	860.8	859.9	858.9	858.0	858.9	859.9	860.8	861.8	862.3	862.5	862.7
140°	897.2	896.3	895.3	894.4	895.3	896.3	897.2	898.1	898.5	898.5	898.5
142.5°	930.2	929.2	928.3	927.3	928.3	929.2	930.2	931.1	931.5	931.3	931.1
145°	979.7	978.7	977.8	976.8	977.8	978.7	979.7	980.6	980.9	980.7	980.5
147.5°	1023.7	1022.8	1021.9	1021.0	1021.9	1022.8	1023.7	1024.6	1024.7	1024.3	1023.7
150°	1051.9	1051.2	1050.4	1049.8	1050.4	1051.2	1051.9	1052.6	1052.6	1051.9	1051.2
152.5°	1079.5	1078.6	1077.7	1076.8	1077.7	1078.6	1079.5	1080.4	1080.4	1079.5	1078.6
155°	1115.3	1114.6	1113.9	1113.2	1113.9	1114.6	1115.3	1116.0	1115.7	1114.6	1113.5
157.5°	1147.9	1146.7	1145.6	1144.4	1145.6	1146.7	1147.9	1149.0	1148.8	1147.1	1145.6
160°	1166.8	1165.8	1164.9	1163.9	1164.9	1165.8	1166.8	1167.7	1167.4	1166.0	1164.7
162.5°	1184.2	1183.1	1181.9	1180.9	1181.9	1183.1	1184.2	1185.4	1185.1	1183.5	1181.9
165°	1206.6	1205.4	1204.2	1203.1	1204.2	1205.4	1206.6	1207.7	1207.5	1205.8	1204.2
167.5°	1224.9	1223.7	1222.5	1221.2	1222.5	1223.7	1224.9	1226.1	1225.9	1224.3	1222.6
170°	1234.8	1233.4	1231.9	1230.5	1231.9	1233.4	1234.8	1236.2	1236.1	1234.4	1232.7
172.5°	1242.4	1241.0	1239.6	1238.1	1239.6	1241.0	1242.4	1243.7	1243.7	1242.0	1240.4
175°	1250.6	1249.2	1247.8	1246.3	1247.8	1249.2	1250.6	1252.1	1251.9	1250.3	1248.6
177.5°	1253.6	1252.5	1251.3	1250.2	1251.3	1252.5	1253.6	1254.7	1254.7	1253.6	1252.5
180°	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1151.8	1156.4	1163.4	1167.4	1174.1	1178.4	1180.8	1185.1	1187.4	1195.7	1204.4
5°	1087.4	1094.1	1105.8	1116.6	1128.2	1140.3	1149.1	1159.0	1168.2	1184.0	1200.7
7.5°	1013.7	1023.0	1041.0	1058.3	1078.6	1095.6	1110.7	1127.7	1143.0	1165.6	1189.3
10°	958.5	974.7	998.4	1014.6	1041.3	1058.3	1082.1	1100.7	1122.0	1151.9	1178.6
12.5°	910.9	930.4	949.4	972.0	996.0	1024.3	1050.4	1074.5	1099.7	1130.7	1162.0
15°	824.4	852.7	882.3	905.1	937.7	967.6	998.0	1030.5	1061.3	1098.3	1139.1
17.5°	713.2	746.0	795.7	834.9	873.0	903.1	940.7	980.0	1016.3	1060.9	1106.4
20°	663.0	687.1	720.8	773.6	831.1	863.2	901.4	944.7	986.3	1035.0	1083.7
22.5°	622.6	644.2	671.2	712.4	776.5	820.2	860.1	904.1	952.4	1002.1	1056.1
25°	565.2	580.2	608.5	641.7	685.8	757.8	801.5	845.6	898.1	951.4	1012.9
27.5°	522.0	535.4	553.8	585.6	618.4	670.1	739.6	787.7	840.0	899.9	963.8
30°	489.0	504.8	525.2	547.7	583.5	623.9	693.3	749.1	800.7	862.3	930.6
32.5°	465.0	477.5	494.9	517.7	547.6	586.2	641.7	709.5	759.8	824.7	895.9
35°	425.7	440.3	454.4	476.1	500.3	535.7	577.6	650.0	700.0	764.1	835.7
37.5°	393.4	402.3	417.9	435.0	460.6	486.9	523.3	588.3	642.3	705.2	778.5
40°	368.8	379.9	391.6	410.7	431.5	457.0	492.8	541.0	603.0	664.6	736.2
42.5°	344.8	359.0	371.3	384.1	406.9	432.4	461.5	502.4	565.7	624.0	693.6
45°	315.8	325.1	337.9	352.0	370.8	392.5	418.2	454.0	514.8	565.2	630.5
47.5°	282.3	295.6	304.0	317.9	335.7	356.3	380.3	411.2	460.5	507.7	568.3
50°	259.3	273.0	285.1	297.6	313.4	333.4	353.4	383.3	422.8	472.4	529.0
52.5°	239.6	251.7	263.4	275.9	291.4	309.7	328.7	355.0	388.9	434.4	489.3
55°	212.6	220.1	232.2	244.7	258.4	275.9	294.2	316.3	345.4	383.7	428.3
57.5°	185.0	193.7	203.3	215.8	229.8	243.1	259.6	279.6	302.6	337.2	375.3
60°	169.4	176.0	183.9	196.8	209.8	221.8	237.7	254.3	275.9	305.9	338.3
62.5°	152.1	158.4	165.7	176.8	189.5	200.5	214.3	232.0	250.3	277.6	306.1
65°	123.2	132.3	139.4	149.4	159.8	171.5	182.3	196.4	212.6	234.3	259.7
67.5°	102.2	106.8	113.3	122.5	133.1	143.1	153.4	164.4	178.5	195.2	215.3
70°	92.8	94.5	95.7	104.4	114.5	124.4	134.0	144.4	156.5	170.2	187.7
72.5°	81.9	83.5	85.0	88.8	96.8	106.8	116.7	124.4	135.8	147.2	161.4
75°	64.9	67.4	68.6	70.8	73.7	80.3	89.4	96.9	103.6	112.3	123.6
77.5°	49.4	50.9	52.2	54.4	56.2	59.3	64.4	71.2	77.4	82.5	90.3
80°	39.1	39.5	41.2	42.1	44.5	46.6	49.1	54.5	60.7	62.9	68.2
82.5°	29.4	29.9	31.2	32.0	33.2	35.0	38.2	39.5	44.4	47.2	50.6
85°	16.2	15.8	17.0	17.0	17.9	18.8	19.6	21.6	22.9	26.3	27.1
87.5°	12.3	12.4	11.7	10.7	9.6	9.3	8.8	8.6	8.6	9.1	9.9
90°	36.5	37.0	31.8	26.7	21.5	16.3	12.3	9.5	6.7	3.9	1.1
92.5°	33.7	33.6	32.4	31.1	29.9	28.7	27.1	25.0	23.0	20.9	18.8
95°	67.7	67.7	67.2	66.7	66.3	65.8	64.4	62.0	59.7	57.3	55.0
97.5°	113.7	113.7	112.8	111.9	111.0	110.1	108.7	106.6	104.6	102.5	100.4
100°	145.9	145.9	145.2	144.5	143.7	143.1	141.8	139.9	138.0	136.2	134.3
102.5°	180.8	180.6	179.7	178.8	177.9	177.0	175.8	174.3	172.8	171.3	169.7
105°	233.0	232.6	232.1	231.6	231.1	230.7	230.1	229.4	228.7	228.0	227.3
107.5°	290.1	289.8	289.8	289.8	289.8	289.8	289.3	288.3	287.3	286.3	285.2
110°	328.8	328.8	328.8	328.8	328.8	328.8	328.1	326.7	325.2	323.8	322.5



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	367.9	368.5	368.7	368.9	369.1	369.2	368.7	367.3	365.8	364.4	363.1
115°	426.9	427.1	427.5	428.0	428.5	428.9	428.5	427.1	425.7	424.3	422.9
117.5°	484.5	485.0	486.3	487.6	488.9	490.3	490.0	488.1	486.2	484.4	482.5
120°	522.2	522.2	524.1	526.0	527.9	529.8	529.8	527.9	526.0	524.1	522.2
122.5°	562.2	562.8	564.1	565.5	566.8	568.1	567.6	565.3	563.1	560.8	558.6
125°	620.9	621.6	622.3	623.1	623.7	624.4	623.7	621.6	619.5	617.3	615.2
127.5°	677.8	678.7	679.6	680.4	681.3	682.1	681.2	678.5	675.8	673.1	670.4
130°	716.2	716.7	717.2	717.7	718.2	718.6	717.3	714.3	711.3	708.2	705.2
132.5°	754.6	755.6	755.5	755.5	755.4	755.3	754.0	751.5	749.0	746.5	744.0
135°	809.5	809.8	809.3	808.9	808.4	807.9	806.4	803.8	801.2	798.6	796.1
137.5°	862.9	863.1	862.4	861.9	861.2	860.6	859.2	857.1	855.0	852.9	850.8
140°	898.5	898.5	897.4	896.3	895.0	893.9	892.3	890.1	888.0	885.9	883.8
142.5°	930.9	930.7	929.9	929.1	928.3	927.5	926.1	924.0	921.9	919.7	917.6
145°	980.2	980.0	978.6	977.1	975.8	974.4	972.8	971.2	969.6	967.9	966.2
147.5°	1023.2	1022.7	1021.7	1020.8	1019.9	1019.0	1017.5	1015.5	1013.5	1011.5	1009.6
150°	1050.4	1049.8	1048.8	1047.9	1046.9	1046.0	1044.8	1043.4	1042.0	1040.6	1039.2
152.5°	1077.7	1076.8	1075.7	1074.6	1073.4	1072.3	1071.1	1069.6	1068.2	1066.8	1065.4
155°	1112.2	1111.1	1110.4	1109.6	1109.0	1108.2	1107.6	1106.9	1106.1	1105.5	1104.7
157.5°	1143.9	1142.4	1141.9	1141.5	1141.1	1140.7	1140.2	1139.8	1139.3	1138.8	1138.3
160°	1163.2	1161.8	1161.6	1161.3	1161.1	1160.9	1160.5	1160.1	1159.6	1159.1	1158.6
162.5°	1180.3	1178.8	1178.5	1178.3	1178.0	1177.8	1177.6	1177.5	1177.5	1177.4	1177.2
165°	1202.6	1200.9	1200.9	1200.9	1200.9	1200.9	1201.0	1201.3	1201.5	1201.8	1202.0
167.5°	1221.0	1219.3	1219.4	1219.4	1219.4	1219.5	1219.9	1220.6	1221.3	1222.0	1222.7
170°	1231.1	1229.5	1229.7	1230.0	1230.2	1230.4	1230.9	1231.6	1232.3	1233.0	1233.7
172.5°	1238.8	1237.1	1237.3	1237.5	1237.8	1238.0	1238.5	1239.2	1239.9	1240.6	1241.3
175°	1247.0	1245.3	1245.8	1246.3	1246.8	1247.2	1247.8	1248.5	1249.2	1249.9	1250.6
177.5°	1251.3	1250.2	1250.6	1250.9	1251.3	1251.7	1252.1	1252.7	1253.3	1253.8	1254.4
180°	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1204.8	1205.7	1212.4	1215.4	1221.4	1223.7	1226.4	1225.7	1225.7	1227.0	1236.4
5°	1207.3	1215.6	1228.1	1240.2	1251.8	1261.8	1268.5	1275.1	1277.7	1289.7	1300.6
7.5°	1203.0	1218.3	1238.9	1257.4	1279.4	1296.7	1310.9	1323.9	1332.7	1350.2	1368.2
10°	1197.3	1219.0	1242.3	1266.0	1296.4	1319.2	1342.6	1360.5	1366.3	1392.5	1407.5
12.5°	1186.0	1215.0	1244.6	1275.3	1305.0	1336.6	1362.2	1380.1	1400.6	1424.2	1451.8
15°	1169.1	1202.3	1241.0	1280.6	1323.0	1361.3	1388.8	1420.0	1442.4	1468.3	1492.4
17.5°	1144.6	1187.5	1236.7	1282.5	1331.5	1372.7	1410.5	1440.5	1456.3	1471.0	1474.6
20°	1125.4	1171.5	1229.4	1283.4	1332.6	1380.1	1417.5	1442.4	1446.6	1447.0	1425.0
22.5°	1104.3	1156.5	1217.1	1272.5	1331.2	1384.1	1413.2	1423.8	1407.3	1379.1	1336.4
25°	1065.8	1126.2	1196.5	1259.7	1323.9	1373.8	1383.8	1365.1	1307.2	1246.4	1169.5
27.5°	1024.0	1091.8	1167.3	1237.6	1305.9	1336.8	1315.2	1247.7	1143.5	1053.0	943.2
30°	993.4	1069.6	1143.6	1222.3	1285.6	1298.9	1249.4	1149.9	1028.3	891.9	782.4
32.5°	958.5	1038.3	1119.7	1201.0	1253.9	1241.0	1159.1	1036.7	894.2	760.0	656.6
35°	908.5	990.9	1078.7	1160.3	1194.0	1137.8	1015.5	856.1	710.4	585.1	514.0
37.5°	850.8	940.5	1031.8	1106.8	1104.3	1010.7	844.1	679.6	557.1	483.0	432.4
40°	809.8	900.6	999.2	1062.5	1035.4	913.5	732.9	577.6	488.2	429.1	392.0
42.5°	770.6	861.6	959.6	1009.9	962.9	812.9	633.0	511.4	437.6	391.4	361.4
45°	703.8	799.9	890.6	918.5	834.5	669.2	511.9	423.6	374.5	340.5	319.6
47.5°	638.4	733.0	815.8	816.3	702.5	542.7	431.8	366.6	324.7	298.3	283.2
50°	598.4	688.4	757.8	747.1	618.0	482.7	386.2	330.0	295.1	274.7	258.9
52.5°	553.5	640.7	700.9	670.1	546.4	424.9	345.3	298.1	269.1	251.4	237.3
55°	488.2	565.6	608.1	561.4	445.7	353.4	291.7	254.7	233.1	218.1	206.0
57.5°	424.0	487.9	514.5	460.3	367.1	293.0	246.8	219.0	197.5	186.8	180.5
60°	383.7	438.2	457.0	397.1	319.2	256.3	218.5	192.7	176.8	169.8	163.5
62.5°	344.1	388.7	396.4	341.4	278.3	224.4	191.8	170.1	159.6	152.8	146.9
65°	285.5	317.6	313.8	269.7	220.1	178.1	154.4	141.0	133.1	123.6	113.2
67.5°	235.1	254.6	242.8	209.8	168.0	138.4	122.9	112.8	103.1	94.0	91.6
70°	203.1	214.3	201.9	171.5	137.8	116.1	103.6	91.6	85.8	83.6	79.9
72.5°	172.4	176.3	162.9	136.8	112.1	96.1	84.0	77.2	74.1	72.3	70.0
75°	129.5	126.5	114.9	94.5	77.9	67.0	63.3	60.7	58.7	57.0	55.8
77.5°	90.9	86.7	76.2	62.9	54.2	49.0	46.8	45.4	44.4	43.6	42.4
80°	68.2	65.3	55.0	44.9	41.2	38.7	37.4	35.8	35.8	35.0	33.7
82.5°	50.0	46.7	37.6	32.9	30.9	29.4	28.5	27.5	27.1	27.3	26.4
85°	26.3	21.2	18.8	17.9	16.6	15.8	16.2	15.4	15.4	15.4	15.0
87.5°	8.8	7.7	7.9	8.2	9.3	10.3	11.0	12.1	13.4	13.0	13.2
90°	3.9	6.7	9.5	12.3	16.3	21.5	26.7	31.8	37.0	36.5	36.0
92.5°	20.9	23.0	25.0	27.1	28.7	29.9	31.1	32.4	33.6	33.7	33.8
95°	57.3	59.7	62.0	64.4	65.8	66.3	66.7	67.2	67.7	67.7	67.7
97.5°	102.5	104.6	106.6	108.7	110.1	111.0	111.9	112.8	113.7	113.7	113.7
100°	136.2	138.0	139.9	141.8	143.1	143.7	144.5	145.2	145.9	145.9	145.9
102.5°	171.3	172.8	174.3	175.8	177.0	177.9	178.8	179.7	180.6	180.8	180.9
105°	228.0	228.7	229.4	230.1	230.7	231.1	231.6	232.1	232.6	233.0	233.5
107.5°	286.3	287.3	288.3	289.3	289.8	289.8	289.8	289.8	289.8	290.1	290.2
110°	323.8	325.2	326.7	328.1	328.8	328.8	328.8	328.8	328.8	328.8	328.8



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	364.4	365.8	367.3	368.7	369.2	369.1	368.9	368.7	368.5	367.9	367.4
115°	424.3	425.7	427.1	428.5	428.9	428.5	428.0	427.5	427.1	426.9	426.6
117.5°	484.4	486.2	488.1	490.0	490.3	488.9	487.6	486.3	485.0	484.5	483.9
120°	524.1	526.0	527.9	529.8	529.8	527.9	526.0	524.1	522.2	522.2	522.2
122.5°	560.8	563.1	565.3	567.6	568.1	566.8	565.5	564.1	562.8	562.2	561.7
125°	617.3	619.5	621.6	623.7	624.4	623.7	623.1	622.3	621.6	620.9	620.2
127.5°	673.1	675.8	678.5	681.2	682.1	681.3	680.4	679.6	678.7	677.8	677.0
130°	708.2	711.3	714.3	717.3	718.6	718.2	717.7	717.2	716.7	716.2	715.8
132.5°	746.5	749.0	751.5	754.0	755.3	755.4	755.5	755.5	755.6	754.6	753.6
135°	798.6	801.2	803.8	806.4	807.9	808.4	808.9	809.3	809.8	809.5	809.3
137.5°	852.9	855.0	857.1	859.2	860.6	861.2	861.9	862.4	863.1	862.9	862.7
140°	885.9	888.0	890.1	892.3	893.9	895.0	896.3	897.4	898.5	898.5	898.5
142.5°	919.7	921.9	924.0	926.1	927.5	928.3	929.1	929.9	930.7	930.9	931.1
145°	967.9	969.6	971.2	972.8	974.4	975.8	977.1	978.6	980.0	980.2	980.5
147.5°	1011.5	1013.5	1015.5	1017.5	1019.0	1019.9	1020.8	1021.7	1022.7	1023.2	1023.7
150°	1040.6	1042.0	1043.4	1044.8	1046.0	1046.9	1047.9	1048.8	1049.8	1050.4	1051.2
152.5°	1066.8	1068.2	1069.6	1071.1	1072.3	1073.4	1074.6	1075.7	1076.8	1077.7	1078.6
155°	1105.5	1106.1	1106.9	1107.6	1108.2	1109.0	1109.6	1110.4	1111.1	1112.2	1113.5
157.5°	1138.8	1139.3	1139.8	1140.2	1140.7	1141.1	1141.5	1141.9	1142.4	1143.9	1145.6
160°	1159.1	1159.6	1160.1	1160.5	1160.9	1161.1	1161.3	1161.6	1161.8	1163.2	1164.7
162.5°	1177.4	1177.5	1177.5	1177.6	1177.8	1178.0	1178.3	1178.5	1178.8	1180.3	1181.9
165°	1201.8	1201.5	1201.3	1201.0	1200.9	1200.9	1200.9	1200.9	1200.9	1202.6	1204.2
167.5°	1222.0	1221.3	1220.6	1219.9	1219.5	1219.4	1219.4	1219.4	1219.3	1221.0	1222.6
170°	1233.0	1232.3	1231.6	1230.9	1230.4	1230.2	1230.0	1229.7	1229.5	1231.1	1232.7
172.5°	1240.6	1239.9	1239.2	1238.5	1238.0	1237.8	1237.5	1237.3	1237.1	1238.8	1240.4
175°	1249.9	1249.2	1248.5	1247.8	1247.2	1246.8	1246.3	1245.8	1245.3	1247.0	1248.6
177.5°	1253.8	1253.3	1252.7	1252.1	1251.7	1251.3	1250.9	1250.6	1250.2	1251.3	1252.5
180°	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1239.7	1244.0	1246.0	1246.0	1248.4	1247.3	1246.3
5°	1310.9	1318.8	1320.5	1328.0	1333.4	1331.7	1332.6
7.5°	1381.8	1394.5	1407.0	1412.8	1413.7	1417.1	1418.3
10°	1425.4	1435.8	1455.4	1452.5	1467.0	1475.4	1461.6
12.5°	1467.4	1481.4	1494.9	1498.7	1507.0	1509.6	1504.2
15°	1505.3	1512.8	1513.6	1511.6	1514.0	1512.0	1504.1
17.5°	1469.8	1457.7	1433.1	1421.4	1412.2	1398.5	1393.0
20°	1411.2	1375.4	1333.8	1317.2	1297.6	1259.3	1268.5
22.5°	1284.7	1243.9	1202.3	1153.7	1130.5	1094.2	1092.0
25°	1087.9	1017.6	940.1	886.1	854.4	818.2	802.4
27.5°	845.8	757.2	693.8	661.7	632.5	603.8	602.6
30°	686.6	620.1	571.0	543.6	525.6	513.6	516.1
32.5°	578.8	533.2	500.1	477.3	464.1	454.9	454.8
35°	473.2	442.0	420.8	411.2	401.6	394.9	395.3
37.5°	405.0	386.2	374.4	363.8	357.8	354.6	352.8
40°	370.0	354.6	345.4	339.2	334.2	329.6	328.8
42.5°	342.3	329.6	320.4	315.5	310.9	307.6	306.8
45°	303.8	293.4	285.1	279.6	277.6	274.7	274.7
47.5°	270.3	260.0	253.6	250.1	246.5	244.6	244.5
50°	247.6	239.7	233.9	231.8	228.9	227.6	227.2
52.5°	227.3	221.4	217.3	215.8	214.6	213.0	213.3
55°	199.7	196.4	194.8	193.6	191.4	188.9	190.6
57.5°	176.5	173.7	169.3	165.3	163.4	161.7	162.3
60°	160.2	154.4	148.5	144.0	142.8	139.0	139.0
62.5°	139.6	131.4	124.3	121.7	120.4	118.7	118.4
65°	107.4	104.0	102.4	100.7	99.9	99.9	99.1
67.5°	88.9	87.6	85.9	85.4	84.5	84.3	84.1
70°	78.7	77.0	76.1	75.7	74.9	75.3	74.1
72.5°	68.6	67.3	67.2	66.1	65.6	65.6	64.7
75°	54.1	54.1	53.6	53.2	52.4	52.0	52.4
77.5°	41.6	41.7	40.9	40.8	40.8	40.8	40.4
80°	33.3	33.7	33.3	32.9	32.4	32.9	32.4
82.5°	26.3	25.7	25.6	25.5	25.4	25.2	25.1
85°	15.0	15.4	15.0	14.6	14.6	14.6	15.0
87.5°	12.8	12.7	12.6	12.7	12.7	12.8	12.6
90°	35.6	35.1	35.0	35.2	35.5	35.7	36.0
92.5°	33.9	34.0	34.1	34.1	34.2	34.2	34.2
95°	67.7	67.7	67.4	66.9	66.4	66.0	65.6
97.5°	113.7	113.7	113.7	113.7	113.7	113.6	113.6
100°	145.9	145.9	145.8	145.5	145.3	145.0	144.8
102.5°	181.2	181.3	181.3	181.1	180.8	180.6	180.3
105°	234.0	234.5	234.7	234.7	234.7	234.7	234.7
107.5°	290.4	290.7	290.2	289.1	288.0	286.9	285.8
110°	328.8	328.8	328.4	327.8	327.0	326.3	325.6



TEST NUMBER: P331818-930

CATALOG NUMBER: S122RDIW-S675D1240U930-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	366.8	366.2	365.7	365.2	364.7	364.2	363.6
115°	426.4	426.2	425.7	425.0	424.3	423.5	422.9
117.5°	483.3	482.7	482.2	481.4	480.7	480.0	479.3
120°	522.2	522.2	521.9	521.1	520.5	519.8	519.1
122.5°	561.2	560.6	560.0	559.5	559.0	558.5	558.0
125°	619.5	618.8	618.3	618.1	617.8	617.6	617.3
127.5°	676.1	675.3	674.5	673.8	673.0	672.3	671.5
130°	715.3	714.9	714.2	713.2	712.3	711.3	710.4
132.5°	752.5	751.5	750.6	749.9	749.1	748.4	747.6
135°	809.1	808.9	808.4	807.6	807.0	806.2	805.5
137.5°	862.5	862.3	861.8	860.8	859.9	858.9	858.0
140°	898.5	898.5	898.1	897.2	896.3	895.3	894.4
142.5°	931.3	931.5	931.1	930.2	929.2	928.3	927.3
145°	980.7	980.9	980.6	979.7	978.7	977.8	976.8
147.5°	1024.3	1024.7	1024.6	1023.7	1022.8	1021.9	1021.0
150°	1051.9	1052.6	1052.6	1051.9	1051.2	1050.4	1049.8
152.5°	1079.5	1080.4	1080.4	1079.5	1078.6	1077.7	1076.8
155°	1114.6	1115.7	1116.0	1115.3	1114.6	1113.9	1113.2
157.5°	1147.1	1148.8	1149.0	1147.9	1146.7	1145.6	1144.4
160°	1166.0	1167.4	1167.7	1166.8	1165.8	1164.9	1163.9
162.5°	1183.5	1185.1	1185.4	1184.2	1183.1	1181.9	1180.9
165°	1205.8	1207.5	1207.7	1206.6	1205.4	1204.2	1203.1
167.5°	1224.3	1225.9	1226.1	1224.9	1223.7	1222.5	1221.2
170°	1234.4	1236.1	1236.2	1234.8	1233.4	1231.9	1230.5
172.5°	1242.0	1243.7	1243.7	1242.4	1241.0	1239.6	1238.1
175°	1250.3	1251.9	1252.1	1250.6	1249.2	1247.8	1246.3
177.5°	1253.6	1254.7	1254.7	1253.6	1252.5	1251.3	1250.2
180°	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7	1252.7

(END OF REPORT)