

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: P331567-927

Luminaire Tested: **S122DIW-S865D970U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331567-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122DIW-S865D970U927-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 970 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6085.8 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

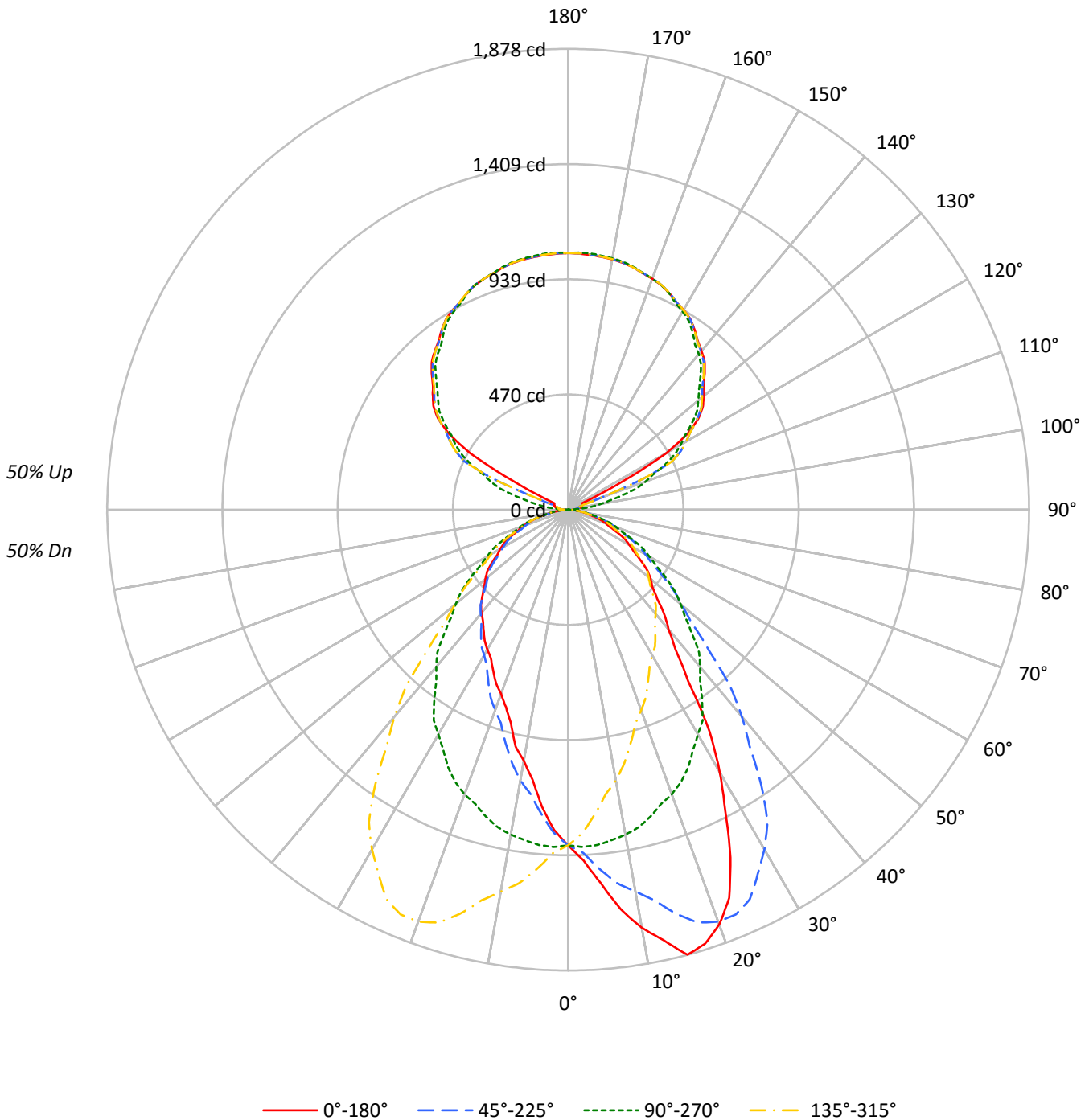
Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50					50			
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43					43			
2	90	83	77	72	83	77	71	67	65	61	58	54	52	49	45	43	41	37					37			
3	82	73	66	60	76	68	62	57	58	53	49	49	45	42	40	38	36	32					32			
4	75	65	57	52	69	60	54	48	52	47	43	44	40	37	36	33	31	27					27			
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27	24					24			
6	64	52	44	39	59	49	42	37	42	37	33	36	32	28	30	27	24	22					22			
7	59	47	40	34	55	44	37	32	38	33	29	33	28	25	27	24	22	19					19			
8	55	43	36	30	51	40	34	29	35	30	26	30	26	23	25	22	20	17					17			
9	51	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18	16					16			
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	16	14					14			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22083	22083	22083	22083
5°	24759	22227	19697	22227
10°	28370	22046	17046	22046
15°	31385	21641	15059	21641
20°	30907	21206	13728	21206
25°	27868	20630	12886	20630
30°	23029	19708	12269	19708
35°	16783	18743	11832	18743
40°	13405	17606	11590	17606
45°	11714	16287	11259	16287
50°	11012	15013	11037	15013
55°	10151	13717	10742	13717
60°	9300	12339	10285	12339
65°	8474	11106	9838	11106
70°	7695	9904	9182	9904
75°	6818	8559	8135	8559
80°	5867	7085	6546	7085
85°	5261	5261	3890	5261



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.3	2.1
10°-20°	378.7	6.2
20°-30°	549.6	9.0
30°-40°	579.9	9.5
40°-50°	513.5	8.4
50°-60°	409.8	6.7
60°-70°	278.5	4.6
70°-80°	142.8	2.3
80°-90°	37.0	0.6
90°-100°	34.9	0.6
100°-110°	128.0	2.1
110°-120°	342.1	5.6
120°-130°	564.7	9.3
130°-140°	600.5	9.9
140°-150°	558.1	9.2
150°-160°	448.7	7.4
160°-170°	289.2	4.8
170°-180°	99.5	1.6
0°-30°	1058.5	17.4
0°-40°	1638.5	26.9
0°-60°	2561.8	42.1
0°-90°	3020.1	49.6
90°-120°	504.9	8.3
90°-150°	2228.2	36.6
90°-180°	3066.0	50.4
0°-180°	6085.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1368	1368	1368	1368	1368	
5°	1528	1371	1215	1371	1528	153
15°	1878	1295	901	1295	1878	518
25°	1564	1158	723	1158	1564	707
35°	852	951	600	951	852	554
45°	513	713	493	713	513	403
55°	361	487	382	487	361	323
65°	222	291	258	291	222	221
75°	109	137	130	137	109	117
85°	28	28	21	28	28	32
90°	20	1	20	1	20	10
95°	33	49	33	49	33	30
105°	58	230	58	230	58	60
115°	62	435	62	435	62	155
125°	647	615	647	615	647	560
135°	786	762	786	762	786	606
145°	897	883	897	883	897	561
155°	973	973	973	973	973	449
165°	1023	1025	1023	1025	1023	289
175°	1042	1048	1042	1048	1042	99
180°	1046	1046	1046	1046	1046	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1430.8	1431.2	1432.1	1425.4	1424.5	1424.5	1418.6	1413.6	1407.7	1399.7	1400.6
5°	1527.6	1533.3	1535.4	1529.1	1519.6	1518.6	1509.7	1494.9	1481.3	1470.2	1462.4
7.5°	1643.0	1645.3	1640.1	1631.8	1624.8	1612.2	1595.5	1579.3	1556.5	1535.6	1520.0
10°	1730.4	1733.6	1724.7	1712.5	1702.6	1687.8	1663.7	1638.9	1609.0	1580.1	1557.0
12.5°	1796.9	1804.7	1793.2	1791.6	1774.5	1754.3	1725.5	1713.0	1670.9	1630.5	1605.8
15°	1877.6	1877.1	1878.2	1868.1	1855.5	1852.4	1821.9	1788.8	1729.4	1705.7	1664.8
17.5°	1854.3	1862.3	1866.0	1865.8	1865.5	1863.5	1853.8	1832.9	1803.1	1764.7	1717.4
20°	1798.8	1809.3	1810.8	1823.0	1829.8	1838.7	1842.4	1836.6	1818.2	1786.1	1745.2
22.5°	1713.0	1715.9	1720.9	1739.7	1754.5	1776.9	1788.6	1808.0	1800.9	1785.3	1751.0
25°	1564.3	1559.1	1577.5	1586.9	1621.1	1656.8	1682.6	1711.0	1736.2	1751.4	1741.5
27.5°	1385.8	1377.9	1405.5	1430.6	1458.3	1497.1	1537.2	1584.6	1624.1	1673.3	1690.3
30°	1235.2	1240.0	1266.3	1293.1	1335.1	1389.8	1435.0	1487.1	1543.3	1598.5	1636.9
32.5°	1072.9	1091.2	1107.8	1148.8	1185.9	1246.8	1313.0	1378.2	1448.3	1511.0	1570.4
35°	851.5	872.6	895.7	925.7	977.7	1038.2	1102.8	1190.6	1286.3	1372.0	1442.4
37.5°	716.8	713.4	726.7	748.3	790.4	839.2	913.7	1000.4	1113.0	1213.7	1313.0
40°	636.0	633.9	643.4	663.4	695.5	731.2	796.4	872.6	977.2	1100.2	1218.5
42.5°	580.5	581.8	587.0	601.1	623.1	652.5	701.3	766.2	862.0	977.8	1104.9
45°	513.0	516.7	522.5	529.3	541.9	566.1	593.4	639.7	715.4	812.1	937.2
47.5°	464.5	464.5	470.5	476.4	483.9	497.6	519.8	548.9	602.3	681.0	788.6
50°	438.4	434.7	438.9	443.6	451.5	461.0	475.7	503.0	538.8	602.4	692.3
52.5°	406.5	406.5	410.4	412.1	419.1	428.6	442.0	461.0	493.4	543.1	617.0
55°	360.6	363.2	365.4	368.4	374.8	381.6	392.1	404.7	430.0	467.3	522.0
57.5°	317.5	318.3	320.4	326.5	330.4	336.8	346.7	358.1	374.5	402.2	443.3
60°	288.0	288.0	292.2	294.9	300.2	306.4	314.3	325.3	340.1	362.7	395.9
62.5°	261.2	260.7	262.4	266.7	270.7	276.6	284.5	293.8	307.7	327.8	355.1
65°	221.8	220.8	223.9	225.0	229.2	235.0	241.3	251.3	262.3	277.0	301.2
67.5°	183.9	185.2	187.0	188.9	191.2	197.3	201.5	208.6	217.9	230.1	246.5
70°	163.0	163.0	163.0	164.5	167.7	170.9	175.1	180.9	189.7	200.3	215.0
72.5°	139.4	141.1	142.8	141.8	145.8	147.7	152.7	156.0	164.5	171.3	184.3
75°	109.3	109.3	109.3	111.9	113.5	115.1	118.3	121.4	125.6	134.0	140.9
77.5°	81.6	81.4	81.9	82.5	84.2	86.1	87.1	89.9	93.8	97.7	103.5
80°	63.1	64.2	64.6	65.7	65.7	66.8	67.3	71.0	73.6	76.2	79.9
82.5°	48.8	49.0	49.1	49.3	49.7	50.4	51.7	52.9	53.8	56.0	58.9
85°	28.4	27.9	27.9	28.9	28.4	28.4	29.5	30.5	30.5	31.0	32.6
87.5°	15.1	15.0	15.3	14.8	14.7	15.1	14.9	14.3	14.6	14.8	15.0
90°	20.4	20.1	19.7	19.4	19.1	18.5	17.7	16.8	16.0	15.1	13.8
92.5°	20.4	20.2	20.0	19.8	19.6	19.3	18.9	18.5	18.0	17.6	16.9
95°	32.6	32.7	32.9	33.0	33.2	32.9	32.1	31.2	30.3	29.5	28.4
97.5°	43.4	43.3	43.0	42.9	42.6	42.2	41.5	40.9	40.2	39.5	36.8
100°	50.7	50.4	50.1	49.7	49.4	48.6	47.2	45.9	44.5	43.2	40.3
102.5°	54.3	53.9	53.4	52.9	52.4	51.3	49.6	47.8	46.1	44.4	68.3
105°	57.5	56.9	56.2	55.5	54.8	53.6	51.7	49.9	48.0	46.2	92.1
107.5°	59.2	58.5	57.8	57.2	56.5	57.1	59.0	60.8	62.7	64.6	119.7
110°	59.8	59.1	58.5	57.8	57.1	65.2	82.0	98.8	115.7	132.5	181.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	60.4	59.9	59.3	58.8	58.2	88.6	150.0	211.4	272.7	334.1	346.1
115°	62.1	74.1	86.3	98.4	110.5	155.5	233.4	311.2	389.1	467.1	462.9
117.5°	253.4	293.3	333.0	372.8	412.6	442.0	460.8	479.6	498.4	517.3	514.4
120°	461.8	484.4	507.2	529.9	552.5	562.9	560.9	558.9	556.9	554.8	551.8
122.5°	576.2	580.6	585.0	589.4	593.8	595.4	594.2	593.0	591.8	590.6	587.2
125°	647.2	646.7	646.2	645.7	645.2	644.4	643.2	642.0	640.8	639.6	636.4
127.5°	692.0	691.9	691.8	691.7	691.6	690.7	689.0	687.3	685.6	683.8	681.4
130°	719.9	720.0	720.2	720.3	720.6	719.7	717.9	716.0	714.2	712.3	710.4
132.5°	747.1	747.3	747.4	747.6	747.8	747.1	745.5	743.9	742.4	740.8	738.9
135°	786.5	786.8	787.1	787.5	787.8	787.1	785.4	783.8	782.1	780.5	778.9
137.5°	822.4	822.9	823.5	824.1	824.7	824.1	822.4	820.8	819.2	817.5	815.8
140°	844.8	845.6	846.4	847.3	848.1	847.8	846.3	844.8	843.3	841.8	839.9
142.5°	866.6	867.4	868.2	869.1	869.9	869.7	868.3	866.9	865.5	864.1	862.1
145°	897.0	897.9	898.7	899.5	900.4	900.2	899.0	897.9	896.7	895.5	892.6
147.5°	923.8	924.5	925.2	925.9	926.6	926.5	925.7	924.8	923.9	923.1	920.2
150°	940.2	941.0	941.8	942.7	943.5	943.4	942.4	941.4	940.4	939.4	936.7
152.5°	954.1	955.2	956.3	957.4	958.5	958.5	957.5	956.6	955.5	954.5	952.0
155°	973.4	974.8	976.1	977.5	978.8	979.0	977.9	977.0	976.0	974.9	973.0
157.5°	991.2	992.4	993.8	995.1	996.4	996.5	995.4	994.2	993.1	991.9	990.5
160°	1001.5	1002.7	1003.8	1005.0	1006.2	1006.2	1005.2	1004.2	1003.2	1002.2	1001.2
162.5°	1010.0	1011.4	1012.8	1014.2	1015.7	1015.9	1014.7	1013.6	1012.4	1011.3	1010.4
165°	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4	1026.2	1025.0	1023.8	1022.6	1022.2
167.5°	1030.7	1032.2	1033.7	1035.2	1036.7	1036.9	1035.7	1034.5	1033.3	1032.2	1031.7
170°	1035.5	1037.0	1038.6	1040.1	1041.6	1041.7	1040.5	1039.4	1038.2	1037.0	1036.7
172.5°	1039.2	1040.7	1042.2	1043.7	1045.2	1045.4	1044.2	1043.0	1041.9	1040.7	1040.3
175°	1042.4	1044.0	1045.7	1047.3	1049.1	1049.3	1048.1	1046.9	1045.8	1044.6	1044.3
177.5°	1044.3	1045.5	1046.7	1047.9	1049.2	1049.2	1048.3	1047.4	1046.5	1045.5	1045.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1403.5	1400.1	1398.0	1390.4	1383.7	1377.0	1374.9	1375.7	1366.5	1357.6	1353.8
5°	1458.2	1447.6	1437.7	1423.5	1406.7	1388.2	1378.8	1371.4	1353.0	1333.1	1321.5
7.5°	1507.1	1492.1	1472.9	1446.2	1421.7	1392.7	1374.4	1358.0	1331.2	1303.0	1285.7
10°	1537.0	1516.5	1491.8	1459.2	1429.3	1394.0	1369.3	1344.7	1313.0	1279.5	1258.4
12.5°	1562.7	1535.0	1510.7	1468.9	1433.5	1389.4	1360.1	1325.2	1292.0	1252.1	1231.5
15°	1623.7	1572.7	1526.5	1479.2	1435.5	1374.0	1341.5	1294.7	1251.0	1201.7	1178.0
17.5°	1671.0	1613.7	1540.8	1480.7	1429.7	1361.7	1313.8	1257.7	1206.2	1149.7	1117.5
20°	1697.9	1632.1	1553.8	1482.3	1421.3	1343.5	1291.5	1234.2	1173.8	1110.2	1075.5
22.5°	1713.8	1644.7	1567.3	1476.0	1404.5	1328.8	1263.4	1200.6	1139.3	1070.6	1034.3
25°	1718.9	1655.8	1573.8	1470.8	1383.5	1297.8	1219.0	1158.0	1083.9	1019.8	966.7
27.5°	1693.8	1648.6	1569.8	1460.9	1359.2	1259.0	1171.2	1102.1	1023.9	954.3	900.9
30°	1663.2	1636.9	1560.1	1450.8	1339.9	1232.2	1135.4	1057.1	979.3	908.9	854.2
32.5°	1615.7	1610.0	1542.5	1436.5	1319.3	1198.1	1098.0	1018.8	932.6	863.4	811.3
35°	1522.3	1547.5	1504.9	1404.5	1280.5	1149.6	1041.3	950.9	861.6	795.3	746.4
37.5°	1397.2	1459.8	1448.7	1357.7	1228.1	1096.9	977.3	882.8	797.6	730.8	682.8
40°	1311.0	1390.8	1402.4	1322.0	1191.1	1056.1	929.4	835.3	752.2	691.3	642.9
42.5°	1218.5	1311.8	1343.5	1279.1	1150.7	1013.1	886.5	789.0	706.8	647.5	604.6
45°	1063.4	1186.9	1244.2	1207.4	1083.4	942.5	812.1	713.3	638.7	583.0	549.9
47.5°	918.4	1053.4	1130.4	1117.5	1008.4	868.9	740.0	645.2	572.5	528.1	498.4
50°	815.8	954.6	1047.6	1051.9	954.6	816.3	687.1	597.7	530.9	489.4	465.2
52.5°	726.7	859.1	960.6	982.9	894.5	761.7	639.5	550.6	491.8	453.6	432.0
55°	610.3	722.2	834.7	875.8	804.8	678.6	565.6	487.3	432.1	405.8	386.9
57.5°	507.4	600.7	704.6	749.9	706.2	598.2	492.2	424.2	379.4	356.4	341.9
60°	453.1	526.7	619.2	673.4	635.5	539.3	446.8	382.1	345.4	324.9	311.2
62.5°	402.7	467.9	546.1	595.6	575.0	484.3	401.4	344.3	312.5	293.3	283.4
65°	332.2	383.7	444.2	489.9	476.3	407.3	339.6	290.7	265.5	250.2	242.3
67.5°	273.5	310.8	352.7	392.8	381.8	333.0	278.5	240.4	221.7	208.5	203.7
70°	236.5	264.9	302.2	334.3	325.3	285.4	242.3	209.8	193.5	182.4	177.7
72.5°	201.2	224.6	253.0	279.2	273.2	240.0	204.1	179.4	166.9	156.8	152.9
75°	151.9	169.8	187.1	204.5	202.9	177.1	156.1	137.2	127.2	119.3	117.7
77.5°	112.2	122.2	134.0	144.3	141.4	126.7	110.2	99.3	92.0	86.7	85.9
80°	85.7	91.5	99.9	107.3	103.5	97.3	84.1	76.2	71.0	65.7	63.6
82.5°	62.1	67.9	73.0	76.9	74.1	68.2	60.1	54.7	51.7	48.0	47.2
85°	32.6	35.7	37.9	38.9	37.9	34.1	30.5	28.4	25.7	24.2	23.7
87.5°	15.1	14.8	14.6	15.1	13.5	13.1	11.0	9.4	9.3	9.3	8.8
90°	12.4	11.1	9.7	8.2	6.3	4.4	2.6	0.8	2.6	4.4	6.3
92.5°	16.2	15.5	14.9	14.7	14.8	15.0	15.1	15.3	15.1	15.0	14.8
95°	27.2	26.0	24.8	27.0	32.6	38.1	43.6	49.2	43.6	38.1	32.6
97.5°	34.1	31.4	28.6	35.1	50.7	66.4	82.0	97.7	82.0	66.4	50.7
100°	37.4	34.5	31.7	41.8	64.9	87.9	110.9	134.0	110.9	87.9	64.9
102.5°	92.2	116.1	140.1	154.4	159.3	164.2	169.1	174.0	169.1	164.2	159.3
105°	138.0	183.9	229.9	250.3	245.3	240.2	235.2	230.1	235.2	240.2	245.3
107.5°	174.8	229.9	284.9	310.5	306.3	302.3	298.3	294.1	298.3	302.3	306.3
110°	229.7	278.3	326.9	349.4	345.9	342.4	338.9	335.3	338.9	342.4	345.9



TEST NUMBER: P331567-927

CATALOG NUMBER: S122DIW-S865D970U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	358.1	370.2	382.1	386.6	383.5	380.3	377.2	374.1	377.2	380.3	383.5
115°	458.6	454.4	450.2	446.7	443.9	441.0	438.1	435.2	438.1	441.0	443.9
117.5°	511.5	508.7	505.7	502.7	499.5	496.3	493.1	489.9	493.1	496.3	499.5
120°	548.8	545.7	542.7	540.0	537.4	534.9	532.4	529.9	532.4	534.9	537.4
122.5°	584.0	580.7	577.4	574.4	571.7	569.1	566.4	563.8	566.4	569.1	571.7
125°	633.3	630.0	626.9	624.2	621.9	619.8	617.6	615.4	617.6	619.8	621.9
127.5°	679.1	676.7	674.3	671.8	669.5	667.0	664.6	662.2	664.6	667.0	669.5
130°	708.6	706.7	704.9	702.6	699.9	697.3	694.6	691.9	694.6	697.3	699.9
132.5°	737.0	735.2	733.3	731.3	729.0	726.7	724.5	722.2	724.5	726.7	729.0
135°	777.4	775.9	774.4	772.3	769.6	766.9	764.2	761.5	764.2	766.9	769.6
137.5°	814.0	812.4	810.6	808.8	807.0	805.1	803.2	801.3	803.2	805.1	807.0
140°	838.0	836.1	834.3	832.7	831.4	830.0	828.7	827.4	828.7	830.0	831.4
142.5°	859.9	857.8	855.6	854.0	852.8	851.6	850.3	849.1	850.3	851.6	852.8
145°	889.8	886.9	884.1	882.7	882.9	883.0	883.2	883.4	883.2	883.0	882.9
147.5°	917.3	914.6	911.7	910.6	911.2	911.9	912.5	913.2	912.5	911.9	911.2
150°	934.0	931.3	928.6	927.9	929.1	930.2	931.4	932.6	931.4	930.2	929.1
152.5°	949.4	946.8	944.3	943.6	945.0	946.3	947.6	949.0	947.6	946.3	945.0
155°	970.9	968.9	966.9	966.6	968.1	969.6	971.1	972.7	971.1	969.6	968.1
157.5°	989.1	987.7	986.3	986.2	987.5	988.7	990.1	991.3	990.1	988.7	987.5
160°	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2	1001.2	1000.2	999.2
162.5°	1009.6	1008.7	1007.8	1007.9	1008.8	1009.9	1010.9	1011.9	1010.9	1009.9	1008.8
165°	1021.6	1021.1	1020.6	1020.9	1021.9	1022.9	1023.9	1024.9	1023.9	1022.9	1021.9
167.5°	1031.3	1030.8	1030.3	1030.5	1031.6	1032.6	1033.6	1034.6	1033.6	1032.6	1031.6
170°	1036.3	1036.0	1035.7	1036.0	1037.0	1038.1	1039.0	1040.1	1039.0	1038.1	1037.0
172.5°	1040.0	1039.7	1039.3	1039.7	1040.7	1041.6	1042.7	1043.7	1042.7	1041.6	1040.7
175°	1043.9	1043.6	1043.2	1043.7	1044.9	1046.0	1047.2	1048.4	1047.2	1046.0	1044.9
177.5°	1045.2	1045.1	1045.0	1045.4	1046.3	1047.3	1048.2	1049.2	1048.2	1047.3	1046.3
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1349.6	1347.1	1338.3	1333.7	1326.1	1319.0	1314.3	1316.4	1318.1	1317.2	1316.1
5°	1311.0	1301.0	1285.7	1272.6	1263.1	1245.8	1238.4	1234.8	1231.6	1227.9	1224.2
7.5°	1265.0	1249.2	1227.2	1208.6	1190.9	1169.3	1157.1	1149.7	1142.2	1133.9	1126.5
10°	1232.2	1210.1	1186.9	1160.6	1139.6	1120.1	1102.8	1091.2	1080.8	1070.7	1063.4
12.5°	1197.6	1172.2	1143.6	1107.6	1084.5	1056.7	1054.0	1033.6	1017.2	1011.1	1002.4
15°	1142.8	1107.0	1070.7	1028.2	1009.8	984.5	968.8	953.0	938.8	928.8	926.2
17.5°	1080.5	1034.2	998.1	967.5	937.3	911.5	897.0	884.4	872.7	859.4	857.5
20°	1032.9	992.9	953.5	926.7	895.7	869.4	851.5	838.9	828.9	821.1	814.2
22.5°	987.9	944.2	908.1	878.8	848.2	827.0	812.9	800.7	792.3	783.6	777.2
25°	915.7	881.5	842.1	809.0	783.7	770.1	758.5	748.0	742.8	737.0	729.6
27.5°	852.5	814.5	777.7	752.0	729.8	717.7	709.6	702.3	697.4	694.0	689.8
30°	807.9	769.5	740.6	715.4	697.0	684.9	679.7	675.5	669.7	667.6	665.5
32.5°	765.0	730.5	705.8	683.9	666.3	658.5	653.6	649.8	645.3	643.2	639.0
35°	704.4	675.5	651.3	639.2	625.0	618.1	614.5	609.3	605.0	602.9	602.4
37.5°	647.3	622.2	606.3	590.7	584.7	580.5	575.5	571.9	570.6	570.3	569.8
40°	610.3	589.8	575.6	563.0	560.3	554.1	549.9	546.7	546.7	547.2	546.7
42.5°	576.6	558.3	545.7	534.8	531.7	528.0	523.8	523.6	524.4	526.2	524.4
45°	525.6	512.5	503.6	498.3	492.5	488.9	488.3	489.9	490.4	491.0	492.5
47.5°	478.8	470.0	461.9	456.1	453.6	453.0	452.3	455.1	457.6	458.6	461.0
50°	451.0	441.0	434.2	430.5	428.4	427.4	428.4	431.6	433.6	436.3	437.8
52.5°	419.9	412.8	408.1	405.3	404.4	405.0	405.3	408.8	412.3	413.1	413.9
55°	376.9	371.6	370.6	365.8	368.0	367.4	370.0	372.2	375.3	378.5	379.0
57.5°	334.0	329.8	326.9	327.4	328.0	330.3	332.6	336.2	339.6	342.9	343.3
60°	305.4	303.3	301.7	301.7	302.8	305.9	308.6	312.2	314.3	316.5	318.0
62.5°	279.3	277.3	275.7	276.5	279.2	281.1	284.2	286.1	288.3	290.3	291.1
65°	238.1	237.1	238.7	239.7	240.2	242.9	246.5	248.1	250.2	251.3	254.9
67.5°	200.2	200.3	200.2	201.6	204.7	205.3	208.8	212.5	212.9	214.9	217.3
70°	174.5	175.5	176.7	177.7	180.3	181.3	183.9	185.5	187.7	189.3	190.8
72.5°	151.0	151.1	152.3	152.0	154.2	156.5	158.8	160.3	162.4	164.5	166.0
75°	116.1	116.1	117.2	117.7	120.4	123.0	122.5	123.5	125.6	127.7	128.8
77.5°	84.8	83.7	84.8	85.4	86.2	88.4	88.8	90.3	92.7	92.0	93.2
80°	64.6	63.1	64.6	65.2	65.2	67.8	67.8	68.8	70.4	68.8	70.4
82.5°	46.2	45.4	46.6	46.7	47.5	47.6	48.5	48.6	50.2	49.5	50.2
85°	23.1	22.6	23.1	22.6	23.1	23.7	23.7	23.1	23.1	24.2	22.6
87.5°	8.8	8.7	8.6	8.8	8.6	8.5	8.2	8.4	8.6	7.9	8.0
90°	8.2	9.7	11.1	12.4	13.8	15.1	16.0	16.8	17.7	18.5	19.1
92.5°	14.7	14.9	15.5	16.2	16.9	17.6	18.0	18.5	18.9	19.3	19.6
95°	27.0	24.8	26.0	27.2	28.4	29.5	30.3	31.2	32.1	32.9	33.2
97.5°	35.1	28.6	31.4	34.1	36.8	39.5	40.2	40.9	41.5	42.2	42.6
100°	41.8	31.7	34.5	37.4	40.3	43.2	44.5	45.9	47.2	48.6	49.4
102.5°	154.4	140.1	116.1	92.2	68.3	44.4	46.1	47.8	49.6	51.3	52.4
105°	250.3	229.9	183.9	138.0	92.1	46.2	48.0	49.9	51.7	53.6	54.8
107.5°	310.5	284.9	229.9	174.8	119.7	64.6	62.7	60.8	59.0	57.1	56.5
110°	349.4	326.9	278.3	229.7	181.1	132.5	115.7	98.8	82.0	65.2	57.1



TEST NUMBER: P331567-927

CATALOG NUMBER: S122DIW-S865D970U927-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	386.6	382.1	370.2	358.1	346.1	334.1	272.7	211.4	150.0	88.6	58.2
115°	446.7	450.2	454.4	458.6	462.9	467.1	389.1	311.2	233.4	155.5	110.5
117.5°	502.7	505.7	508.7	511.5	514.4	517.3	498.4	479.6	460.8	442.0	412.6
120°	540.0	542.7	545.7	548.8	551.8	554.8	556.9	558.9	560.9	562.9	552.5
122.5°	574.4	577.4	580.7	584.0	587.2	590.6	591.8	593.0	594.2	595.4	593.8
125°	624.2	626.9	630.0	633.3	636.4	639.6	640.8	642.0	643.2	644.4	645.2
127.5°	671.8	674.3	676.7	679.1	681.4	683.8	685.6	687.3	689.0	690.7	691.6
130°	702.6	704.9	706.7	708.6	710.4	712.3	714.2	716.0	717.9	719.7	720.6
132.5°	731.3	733.3	735.2	737.0	738.9	740.8	742.4	743.9	745.5	747.1	747.8
135°	772.3	774.4	775.9	777.4	778.9	780.5	782.1	783.8	785.4	787.1	787.8
137.5°	808.8	810.6	812.4	814.0	815.8	817.5	819.2	820.8	822.4	824.1	824.7
140°	832.7	834.3	836.1	838.0	839.9	841.8	843.3	844.8	846.3	847.8	848.1
142.5°	854.0	855.6	857.8	859.9	862.1	864.1	865.5	866.9	868.3	869.7	869.9
145°	882.7	884.1	886.9	889.8	892.6	895.5	896.7	897.9	899.0	900.2	900.4
147.5°	910.6	911.7	914.6	917.3	920.2	923.1	923.9	924.8	925.7	926.5	926.6
150°	927.9	928.6	931.3	934.0	936.7	939.4	940.4	941.4	942.4	943.4	943.5
152.5°	943.6	944.3	946.8	949.4	952.0	954.5	955.5	956.6	957.5	958.5	958.5
155°	966.6	966.9	968.9	970.9	973.0	974.9	976.0	977.0	977.9	979.0	978.8
157.5°	986.2	986.3	987.7	989.1	990.5	991.9	993.1	994.2	995.4	996.5	996.4
160°	998.1	998.1	999.2	1000.2	1001.2	1002.2	1003.2	1004.2	1005.2	1006.2	1006.2
162.5°	1007.9	1007.8	1008.7	1009.6	1010.4	1011.3	1012.4	1013.6	1014.7	1015.9	1015.7
165°	1020.9	1020.6	1021.1	1021.6	1022.2	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4
167.5°	1030.5	1030.3	1030.8	1031.3	1031.7	1032.2	1033.3	1034.5	1035.7	1036.9	1036.7
170°	1036.0	1035.7	1036.0	1036.3	1036.7	1037.0	1038.2	1039.4	1040.5	1041.7	1041.6
172.5°	1039.7	1039.3	1039.7	1040.0	1040.3	1040.7	1041.9	1043.0	1044.2	1045.4	1045.2
175°	1043.7	1043.2	1043.6	1043.9	1044.3	1044.6	1045.8	1046.9	1048.1	1049.3	1049.1
177.5°	1045.4	1045.0	1045.1	1045.2	1045.4	1045.5	1046.5	1047.4	1048.3	1049.2	1049.2
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P331567-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1311.8	1311.0	1311.0	1307.2	1311.0	1311.0	1311.8	1316.1	1317.2	1318.1	1316.4
5°	1216.9	1215.3	1212.7	1215.3	1212.7	1215.3	1216.9	1224.2	1227.9	1231.6	1234.8
7.5°	1123.0	1116.7	1115.7	1109.5	1115.7	1116.7	1123.0	1126.5	1133.9	1142.2	1149.7
10°	1054.5	1050.3	1049.7	1039.7	1049.7	1050.3	1054.5	1063.4	1070.7	1080.8	1091.2
12.5°	1002.3	992.2	994.2	988.4	994.2	992.2	1002.3	1002.4	1011.1	1017.2	1033.6
15°	912.0	912.0	909.9	900.9	909.9	912.0	912.0	926.2	928.8	938.8	953.0
17.5°	847.2	846.1	841.1	843.6	841.1	846.1	847.2	857.5	859.4	872.7	884.4
20°	808.4	805.3	799.0	799.0	799.0	805.3	808.4	814.2	821.1	828.9	838.9
22.5°	771.9	771.7	764.9	767.0	764.9	771.7	771.9	777.2	783.6	792.3	800.7
25°	729.0	724.8	721.8	723.3	721.8	724.8	729.0	729.6	737.0	742.8	748.0
27.5°	688.5	686.2	686.0	681.7	686.0	686.2	688.5	689.8	694.0	697.4	702.3
30°	665.0	659.7	660.8	658.1	660.8	659.7	665.0	665.5	667.6	669.7	675.5
32.5°	638.0	636.1	635.1	632.9	635.1	636.1	638.0	639.0	643.2	645.3	649.8
35°	601.3	601.9	599.2	600.3	599.2	601.9	601.3	602.4	602.9	605.0	609.3
37.5°	569.3	570.9	569.7	570.1	569.7	570.9	569.3	569.8	570.3	570.6	571.9
40°	548.3	548.3	548.3	549.9	548.3	548.3	548.3	546.7	547.2	546.7	546.7
42.5°	528.1	527.2	526.4	526.2	526.4	527.2	528.1	524.4	526.2	524.4	523.6
45°	493.6	495.2	495.7	493.1	495.7	495.2	493.6	492.5	491.0	490.4	489.9
47.5°	462.4	462.6	462.4	464.7	462.4	462.6	462.4	461.0	458.6	457.6	455.1
50°	440.5	439.4	440.5	439.4	440.5	439.4	440.5	437.8	436.3	433.6	431.6
52.5°	417.4	417.6	416.9	416.8	416.9	417.6	417.4	413.9	413.1	412.3	408.8
55°	381.1	382.1	381.6	381.6	381.6	382.1	381.1	379.0	378.5	375.3	372.2
57.5°	343.6	344.5	345.2	342.9	345.2	344.5	343.6	343.3	342.9	339.6	336.2
60°	317.5	320.1	319.6	318.5	319.6	320.1	317.5	318.0	316.5	314.3	312.2
62.5°	293.5	294.5	294.4	294.1	294.4	294.5	293.5	291.1	290.3	288.3	286.1
65°	256.5	257.5	256.0	257.5	256.0	257.5	256.5	254.9	251.3	250.2	248.1
67.5°	216.7	217.0	218.2	218.9	218.2	217.0	216.7	217.3	214.9	212.9	212.5
70°	191.9	191.3	192.9	194.5	192.9	191.3	191.9	190.8	189.3	187.7	185.5
72.5°	165.8	166.9	166.4	167.5	166.4	166.9	165.8	166.0	164.5	162.4	160.3
75°	127.7	129.3	128.8	130.4	128.8	129.3	127.7	128.8	127.7	125.6	123.5
77.5°	92.3	92.5	92.3	93.2	92.3	92.5	92.3	93.2	92.0	92.7	90.3
80°	70.4	69.4	68.4	70.4	68.4	69.4	70.4	70.4	68.8	70.4	68.8
82.5°	49.0	49.6	48.6	48.6	48.6	49.6	49.0	50.2	49.5	50.2	48.6
85°	22.6	22.1	21.0	21.0	21.0	22.1	22.6	22.6	24.2	23.1	23.1
87.5°	8.1	7.8	7.8	7.4	7.8	7.8	8.1	8.0	7.9	8.6	8.4
90°	19.4	19.7	20.1	20.4	20.1	19.7	19.4	19.1	18.5	17.7	16.8
92.5°	19.8	20.0	20.2	20.4	20.2	20.0	19.8	19.6	19.3	18.9	18.5
95°	33.0	32.9	32.7	32.6	32.7	32.9	33.0	33.2	32.9	32.1	31.2
97.5°	42.9	43.0	43.3	43.4	43.3	43.0	42.9	42.6	42.2	41.5	40.9
100°	49.7	50.1	50.4	50.7	50.4	50.1	49.7	49.4	48.6	47.2	45.9
102.5°	52.9	53.4	53.9	54.3	53.9	53.4	52.9	52.4	51.3	49.6	47.8
105°	55.5	56.2	56.9	57.5	56.9	56.2	55.5	54.8	53.6	51.7	49.9
107.5°	57.2	57.8	58.5	59.2	58.5	57.8	57.2	56.5	57.1	59.0	60.8
110°	57.8	58.5	59.1	59.8	59.1	58.5	57.8	57.1	65.2	82.0	98.8



TEST NUMBER: P331567-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	58.8	59.3	59.9	60.4	59.9	59.3	58.8	58.2	88.6	150.0	211.4
115°	98.4	86.3	74.1	62.1	74.1	86.3	98.4	110.5	155.5	233.4	311.2
117.5°	372.8	333.0	293.3	253.4	293.3	333.0	372.8	412.6	442.0	460.8	479.6
120°	529.9	507.2	484.4	461.8	484.4	507.2	529.9	552.5	562.9	560.9	558.9
122.5°	589.4	585.0	580.6	576.2	580.6	585.0	589.4	593.8	595.4	594.2	593.0
125°	645.7	646.2	646.7	647.2	646.7	646.2	645.7	645.2	644.4	643.2	642.0
127.5°	691.7	691.8	691.9	692.0	691.9	691.8	691.7	691.6	690.7	689.0	687.3
130°	720.3	720.2	720.0	719.9	720.0	720.2	720.3	720.6	719.7	717.9	716.0
132.5°	747.6	747.4	747.3	747.1	747.3	747.4	747.6	747.8	747.1	745.5	743.9
135°	787.5	787.1	786.8	786.5	786.8	787.1	787.5	787.8	787.1	785.4	783.8
137.5°	824.1	823.5	822.9	822.4	822.9	823.5	824.1	824.7	824.1	822.4	820.8
140°	847.3	846.4	845.6	844.8	845.6	846.4	847.3	848.1	847.8	846.3	844.8
142.5°	869.1	868.2	867.4	866.6	867.4	868.2	869.1	869.9	869.7	868.3	866.9
145°	899.5	898.7	897.9	897.0	897.9	898.7	899.5	900.4	900.2	899.0	897.9
147.5°	925.9	925.2	924.5	923.8	924.5	925.2	925.9	926.6	926.5	925.7	924.8
150°	942.7	941.8	941.0	940.2	941.0	941.8	942.7	943.5	943.4	942.4	941.4
152.5°	957.4	956.3	955.2	954.1	955.2	956.3	957.4	958.5	958.5	957.5	956.6
155°	977.5	976.1	974.8	973.4	974.8	976.1	977.5	978.8	979.0	977.9	977.0
157.5°	995.1	993.8	992.4	991.2	992.4	993.8	995.1	996.4	996.5	995.4	994.2
160°	1005.0	1003.8	1002.7	1001.5	1002.7	1003.8	1005.0	1006.2	1006.2	1005.2	1004.2
162.5°	1014.2	1012.8	1011.4	1010.0	1011.4	1012.8	1014.2	1015.7	1015.9	1014.7	1013.6
165°	1026.2	1025.0	1023.8	1022.6	1023.8	1025.0	1026.2	1027.4	1027.4	1026.2	1025.0
167.5°	1035.2	1033.7	1032.2	1030.7	1032.2	1033.7	1035.2	1036.7	1036.9	1035.7	1034.5
170°	1040.1	1038.6	1037.0	1035.5	1037.0	1038.6	1040.1	1041.6	1041.7	1040.5	1039.4
172.5°	1043.7	1042.2	1040.7	1039.2	1040.7	1042.2	1043.7	1045.2	1045.4	1044.2	1043.0
175°	1047.3	1045.7	1044.0	1042.4	1044.0	1045.7	1047.3	1049.1	1049.3	1048.1	1046.9
177.5°	1047.9	1046.7	1045.5	1044.3	1045.5	1046.7	1047.9	1049.2	1049.2	1048.3	1047.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1314.3	1319.0	1326.1	1333.7	1338.3	1347.1	1349.6	1353.8	1357.6	1366.5	1375.7
5°	1238.4	1245.8	1263.1	1272.6	1285.7	1301.0	1311.0	1321.5	1333.1	1353.0	1371.4
7.5°	1157.1	1169.3	1190.9	1208.6	1227.2	1249.2	1265.0	1285.7	1303.0	1331.2	1358.0
10°	1102.8	1120.1	1139.6	1160.6	1186.9	1210.1	1232.2	1258.4	1279.5	1313.0	1344.7
12.5°	1054.0	1056.7	1084.5	1107.6	1143.6	1172.2	1197.6	1231.5	1252.1	1292.0	1325.2
15°	968.8	984.5	1009.8	1028.2	1070.7	1107.0	1142.8	1178.0	1201.7	1251.0	1294.7
17.5°	897.0	911.5	937.3	967.5	998.1	1034.2	1080.5	1117.5	1149.7	1206.2	1257.7
20°	851.5	869.4	895.7	926.7	953.5	992.9	1032.9	1075.5	1110.2	1173.8	1234.2
22.5°	812.9	827.0	848.2	878.8	908.1	944.2	987.9	1034.3	1070.6	1139.3	1200.6
25°	758.5	770.1	783.7	809.0	842.1	881.5	915.7	966.7	1019.8	1083.9	1158.0
27.5°	709.6	717.7	729.8	752.0	777.7	814.5	852.5	900.9	954.3	1023.9	1102.1
30°	679.7	684.9	697.0	715.4	740.6	769.5	807.9	854.2	908.9	979.3	1057.1
32.5°	653.6	658.5	666.3	683.9	705.8	730.5	765.0	811.3	863.4	932.6	1018.8
35°	614.5	618.1	625.0	639.2	651.3	675.5	704.4	746.4	795.3	861.6	950.9
37.5°	575.5	580.5	584.7	590.7	606.3	622.2	647.3	682.8	730.8	797.6	882.8
40°	549.9	554.1	560.3	563.0	575.6	589.8	610.3	642.9	691.3	752.2	835.3
42.5°	523.8	528.0	531.7	534.8	545.7	558.3	576.6	604.6	647.5	706.8	789.0
45°	488.3	488.9	492.5	498.3	503.6	512.5	525.6	549.9	583.0	638.7	713.3
47.5°	452.3	453.0	453.6	456.1	461.9	470.0	478.8	498.4	528.1	572.5	645.2
50°	428.4	427.4	428.4	430.5	434.2	441.0	451.0	465.2	489.4	530.9	597.7
52.5°	405.3	405.0	404.4	405.3	408.1	412.8	419.9	432.0	453.6	491.8	550.6
55°	370.0	367.4	368.0	365.8	370.6	371.6	376.9	386.9	405.8	432.1	487.3
57.5°	332.6	330.3	328.0	327.4	326.9	329.8	334.0	341.9	356.4	379.4	424.2
60°	308.6	305.9	302.8	301.7	301.7	303.3	305.4	311.2	324.9	345.4	382.1
62.5°	284.2	281.1	279.2	276.5	275.7	277.3	279.3	283.4	293.3	312.5	344.3
65°	246.5	242.9	240.2	239.7	238.7	237.1	238.1	242.3	250.2	265.5	290.7
67.5°	208.8	205.3	204.7	201.6	200.2	200.3	200.2	203.7	208.5	221.7	240.4
70°	183.9	181.3	180.3	177.7	176.7	175.5	174.5	177.7	182.4	193.5	209.8
72.5°	158.8	156.5	154.2	152.0	152.3	151.1	151.0	152.9	156.8	166.9	179.4
75°	122.5	123.0	120.4	117.7	117.2	116.1	116.1	117.7	119.3	127.2	137.2
77.5°	88.8	88.4	86.2	85.4	84.8	83.7	84.8	85.9	86.7	92.0	99.3
80°	67.8	67.8	65.2	65.2	64.6	63.1	64.6	63.6	65.7	71.0	76.2
82.5°	48.5	47.6	47.5	46.7	46.6	45.4	46.2	47.2	48.0	51.7	54.7
85°	23.7	23.7	23.1	22.6	23.1	22.6	23.1	23.7	24.2	25.7	28.4
87.5°	8.2	8.5	8.6	8.8	8.6	8.7	8.8	8.8	9.3	9.3	9.4
90°	16.0	15.1	13.8	12.4	11.1	9.7	8.2	6.3	4.4	2.6	0.8
92.5°	18.0	17.6	16.9	16.2	15.5	14.9	14.7	14.8	15.0	15.1	15.3
95°	30.3	29.5	28.4	27.2	26.0	24.8	27.0	32.6	38.1	43.6	49.2
97.5°	40.2	39.5	36.8	34.1	31.4	28.6	35.1	50.7	66.4	82.0	97.7
100°	44.5	43.2	40.3	37.4	34.5	31.7	41.8	64.9	87.9	110.9	134.0
102.5°	46.1	44.4	68.3	92.2	116.1	140.1	154.4	159.3	164.2	169.1	174.0
105°	48.0	46.2	92.1	138.0	183.9	229.9	250.3	245.3	240.2	235.2	230.1
107.5°	62.7	64.6	119.7	174.8	229.9	284.9	310.5	306.3	302.3	298.3	294.1
110°	115.7	132.5	181.1	229.7	278.3	326.9	349.4	345.9	342.4	338.9	335.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	272.7	334.1	346.1	358.1	370.2	382.1	386.6	383.5	380.3	377.2	374.1
115°	389.1	467.1	462.9	458.6	454.4	450.2	446.7	443.9	441.0	438.1	435.2
117.5°	498.4	517.3	514.4	511.5	508.7	505.7	502.7	499.5	496.3	493.1	489.9
120°	556.9	554.8	551.8	548.8	545.7	542.7	540.0	537.4	534.9	532.4	529.9
122.5°	591.8	590.6	587.2	584.0	580.7	577.4	574.4	571.7	569.1	566.4	563.8
125°	640.8	639.6	636.4	633.3	630.0	626.9	624.2	621.9	619.8	617.6	615.4
127.5°	685.6	683.8	681.4	679.1	676.7	674.3	671.8	669.5	667.0	664.6	662.2
130°	714.2	712.3	710.4	708.6	706.7	704.9	702.6	699.9	697.3	694.6	691.9
132.5°	742.4	740.8	738.9	737.0	735.2	733.3	731.3	729.0	726.7	724.5	722.2
135°	782.1	780.5	778.9	777.4	775.9	774.4	772.3	769.6	766.9	764.2	761.5
137.5°	819.2	817.5	815.8	814.0	812.4	810.6	808.8	807.0	805.1	803.2	801.3
140°	843.3	841.8	839.9	838.0	836.1	834.3	832.7	831.4	830.0	828.7	827.4
142.5°	865.5	864.1	862.1	859.9	857.8	855.6	854.0	852.8	851.6	850.3	849.1
145°	896.7	895.5	892.6	889.8	886.9	884.1	882.7	882.9	883.0	883.2	883.4
147.5°	923.9	923.1	920.2	917.3	914.6	911.7	910.6	911.2	911.9	912.5	913.2
150°	940.4	939.4	936.7	934.0	931.3	928.6	927.9	929.1	930.2	931.4	932.6
152.5°	955.5	954.5	952.0	949.4	946.8	944.3	943.6	945.0	946.3	947.6	949.0
155°	976.0	974.9	973.0	970.9	968.9	966.9	966.6	968.1	969.6	971.1	972.7
157.5°	993.1	991.9	990.5	989.1	987.7	986.3	986.2	987.5	988.7	990.1	991.3
160°	1003.2	1002.2	1001.2	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2
162.5°	1012.4	1011.3	1010.4	1009.6	1008.7	1007.8	1007.9	1008.8	1009.9	1010.9	1011.9
165°	1023.8	1022.6	1022.2	1021.6	1021.1	1020.6	1020.9	1021.9	1022.9	1023.9	1024.9
167.5°	1033.3	1032.2	1031.7	1031.3	1030.8	1030.3	1030.5	1031.6	1032.6	1033.6	1034.6
170°	1038.2	1037.0	1036.7	1036.3	1036.0	1035.7	1036.0	1037.0	1038.1	1039.0	1040.1
172.5°	1041.9	1040.7	1040.3	1040.0	1039.7	1039.3	1039.7	1040.7	1041.6	1042.7	1043.7
175°	1045.8	1044.6	1044.3	1043.9	1043.6	1043.2	1043.7	1044.9	1046.0	1047.2	1048.4
177.5°	1046.5	1045.5	1045.4	1045.2	1045.1	1045.0	1045.4	1046.3	1047.3	1048.2	1049.2
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1374.9	1377.0	1383.7	1390.4	1398.0	1400.1	1403.5	1400.6	1399.7	1407.7	1413.6
5°	1378.8	1388.2	1406.7	1423.5	1437.7	1447.6	1458.2	1462.4	1470.2	1481.3	1494.9
7.5°	1374.4	1392.7	1421.7	1446.2	1472.9	1492.1	1507.1	1520.0	1535.6	1556.5	1579.3
10°	1369.3	1394.0	1429.3	1459.2	1491.8	1516.5	1537.0	1557.0	1580.1	1609.0	1638.9
12.5°	1360.1	1389.4	1433.5	1468.9	1510.7	1535.0	1562.7	1605.8	1630.5	1670.9	1713.0
15°	1341.5	1374.0	1435.5	1479.2	1526.5	1572.7	1623.7	1664.8	1705.7	1729.4	1788.8
17.5°	1313.8	1361.7	1429.7	1480.7	1540.8	1613.7	1671.0	1717.4	1764.7	1803.1	1832.9
20°	1291.5	1343.5	1421.3	1482.3	1553.8	1632.1	1697.9	1745.2	1786.1	1818.2	1836.6
22.5°	1263.4	1328.8	1404.5	1476.0	1567.3	1644.7	1713.8	1751.0	1785.3	1800.9	1808.0
25°	1219.0	1297.8	1383.5	1470.8	1573.8	1655.8	1718.9	1741.5	1751.4	1736.2	1711.0
27.5°	1171.2	1259.0	1359.2	1460.9	1569.8	1648.6	1693.8	1690.3	1673.3	1624.1	1584.6
30°	1135.4	1232.2	1339.9	1450.8	1560.1	1636.9	1663.2	1636.9	1598.5	1543.3	1487.1
32.5°	1098.0	1198.1	1319.3	1436.5	1542.5	1610.0	1615.7	1570.4	1511.0	1448.3	1378.2
35°	1041.3	1149.6	1280.5	1404.5	1504.9	1547.5	1522.3	1442.4	1372.0	1286.3	1190.6
37.5°	977.3	1096.9	1228.1	1357.7	1448.7	1459.8	1397.2	1313.0	1213.7	1113.0	1000.4
40°	929.4	1056.1	1191.1	1322.0	1402.4	1390.8	1311.0	1218.5	1100.2	977.2	872.6
42.5°	886.5	1013.1	1150.7	1279.1	1343.5	1311.8	1218.5	1104.9	977.8	862.0	766.2
45°	812.1	942.5	1083.4	1207.4	1244.2	1186.9	1063.4	937.2	812.1	715.4	639.7
47.5°	740.0	868.9	1008.4	1117.5	1130.4	1053.4	918.4	788.6	681.0	602.3	548.9
50°	687.1	816.3	954.6	1051.9	1047.6	954.6	815.8	692.3	602.4	538.8	503.0
52.5°	639.5	761.7	894.5	982.9	960.6	859.1	726.7	617.0	543.1	493.4	461.0
55°	565.6	678.6	804.8	875.8	834.7	722.2	610.3	522.0	467.3	430.0	404.7
57.5°	492.2	598.2	706.2	749.9	704.6	600.7	507.4	443.3	402.2	374.5	358.1
60°	446.8	539.3	635.5	673.4	619.2	526.7	453.1	395.9	362.7	340.1	325.3
62.5°	401.4	484.3	575.0	595.6	546.1	467.9	402.7	355.1	327.8	307.7	293.8
65°	339.6	407.3	476.3	489.9	444.2	383.7	332.2	301.2	277.0	262.3	251.3
67.5°	278.5	333.0	381.8	392.8	352.7	310.8	273.5	246.5	230.1	217.9	208.6
70°	242.3	285.4	325.3	334.3	302.2	264.9	236.5	215.0	200.3	189.7	180.9
72.5°	204.1	240.0	273.2	279.2	253.0	224.6	201.2	184.3	171.3	164.5	156.0
75°	156.1	177.1	202.9	204.5	187.1	169.8	151.9	140.9	134.0	125.6	121.4
77.5°	110.2	126.7	141.4	144.3	134.0	122.2	112.2	103.5	97.7	93.8	89.9
80°	84.1	97.3	103.5	107.3	99.9	91.5	85.7	79.9	76.2	73.6	71.0
82.5°	60.1	68.2	74.1	76.9	73.0	67.9	62.1	58.9	56.0	53.8	52.9
85°	30.5	34.1	37.9	38.9	37.9	35.7	32.6	32.6	31.0	30.5	30.5
87.5°	11.0	13.1	13.5	15.1	14.6	14.8	15.1	15.0	14.8	14.6	14.3
90°	2.6	4.4	6.3	8.2	9.7	11.1	12.4	13.8	15.1	16.0	16.8
92.5°	15.1	15.0	14.8	14.7	14.9	15.5	16.2	16.9	17.6	18.0	18.5
95°	43.6	38.1	32.6	27.0	24.8	26.0	27.2	28.4	29.5	30.3	31.2
97.5°	82.0	66.4	50.7	35.1	28.6	31.4	34.1	36.8	39.5	40.2	40.9
100°	110.9	87.9	64.9	41.8	31.7	34.5	37.4	40.3	43.2	44.5	45.9
102.5°	169.1	164.2	159.3	154.4	140.1	116.1	92.2	68.3	44.4	46.1	47.8
105°	235.2	240.2	245.3	250.3	229.9	183.9	138.0	92.1	46.2	48.0	49.9
107.5°	298.3	302.3	306.3	310.5	284.9	229.9	174.8	119.7	64.6	62.7	60.8
110°	338.9	342.4	345.9	349.4	326.9	278.3	229.7	181.1	132.5	115.7	98.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	377.2	380.3	383.5	386.6	382.1	370.2	358.1	346.1	334.1	272.7	211.4
115°	438.1	441.0	443.9	446.7	450.2	454.4	458.6	462.9	467.1	389.1	311.2
117.5°	493.1	496.3	499.5	502.7	505.7	508.7	511.5	514.4	517.3	498.4	479.6
120°	532.4	534.9	537.4	540.0	542.7	545.7	548.8	551.8	554.8	556.9	558.9
122.5°	566.4	569.1	571.7	574.4	577.4	580.7	584.0	587.2	590.6	591.8	593.0
125°	617.6	619.8	621.9	624.2	626.9	630.0	633.3	636.4	639.6	640.8	642.0
127.5°	664.6	667.0	669.5	671.8	674.3	676.7	679.1	681.4	683.8	685.6	687.3
130°	694.6	697.3	699.9	702.6	704.9	706.7	708.6	710.4	712.3	714.2	716.0
132.5°	724.5	726.7	729.0	731.3	733.3	735.2	737.0	738.9	740.8	742.4	743.9
135°	764.2	766.9	769.6	772.3	774.4	775.9	777.4	778.9	780.5	782.1	783.8
137.5°	803.2	805.1	807.0	808.8	810.6	812.4	814.0	815.8	817.5	819.2	820.8
140°	828.7	830.0	831.4	832.7	834.3	836.1	838.0	839.9	841.8	843.3	844.8
142.5°	850.3	851.6	852.8	854.0	855.6	857.8	859.9	862.1	864.1	865.5	866.9
145°	883.2	883.0	882.9	882.7	884.1	886.9	889.8	892.6	895.5	896.7	897.9
147.5°	912.5	911.9	911.2	910.6	911.7	914.6	917.3	920.2	923.1	923.9	924.8
150°	931.4	930.2	929.1	927.9	928.6	931.3	934.0	936.7	939.4	940.4	941.4
152.5°	947.6	946.3	945.0	943.6	944.3	946.8	949.4	952.0	954.5	955.5	956.6
155°	971.1	969.6	968.1	966.6	966.9	968.9	970.9	973.0	974.9	976.0	977.0
157.5°	990.1	988.7	987.5	986.2	986.3	987.7	989.1	990.5	991.9	993.1	994.2
160°	1001.2	1000.2	999.2	998.1	998.1	999.2	1000.2	1001.2	1002.2	1003.2	1004.2
162.5°	1010.9	1009.9	1008.8	1007.9	1007.8	1008.7	1009.6	1010.4	1011.3	1012.4	1013.6
165°	1023.9	1022.9	1021.9	1020.9	1020.6	1021.1	1021.6	1022.2	1022.6	1023.8	1025.0
167.5°	1033.6	1032.6	1031.6	1030.5	1030.3	1030.8	1031.3	1031.7	1032.2	1033.3	1034.5
170°	1039.0	1038.1	1037.0	1036.0	1035.7	1036.0	1036.3	1036.7	1037.0	1038.2	1039.4
172.5°	1042.7	1041.6	1040.7	1039.7	1039.3	1039.7	1040.0	1040.3	1040.7	1041.9	1043.0
175°	1047.2	1046.0	1044.9	1043.7	1043.2	1043.6	1043.9	1044.3	1044.6	1045.8	1046.9
177.5°	1048.2	1047.3	1046.3	1045.4	1045.0	1045.1	1045.2	1045.4	1045.5	1046.5	1047.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7	1367.7
2.5°	1418.6	1424.5	1424.5	1425.4	1432.1	1431.2	1430.8
5°	1509.7	1518.6	1519.6	1529.1	1535.4	1533.3	1527.6
7.5°	1595.5	1612.2	1624.8	1631.8	1640.1	1645.3	1643.0
10°	1663.7	1687.8	1702.6	1712.5	1724.7	1733.6	1730.4
12.5°	1725.5	1754.3	1774.5	1791.6	1793.2	1804.7	1796.9
15°	1821.9	1852.4	1855.5	1868.1	1878.2	1877.1	1877.6
17.5°	1853.8	1863.5	1865.5	1865.8	1866.0	1862.3	1854.3
20°	1842.4	1838.7	1829.8	1823.0	1810.8	1809.3	1798.8
22.5°	1788.6	1776.9	1754.5	1739.7	1720.9	1715.9	1713.0
25°	1682.6	1656.8	1621.1	1586.9	1577.5	1559.1	1564.3
27.5°	1537.2	1497.1	1458.3	1430.6	1405.5	1377.9	1385.8
30°	1435.0	1389.8	1335.1	1293.1	1266.3	1240.0	1235.2
32.5°	1313.0	1246.8	1185.9	1148.8	1107.8	1091.2	1072.9
35°	1102.8	1038.2	977.7	925.7	895.7	872.6	851.5
37.5°	913.7	839.2	790.4	748.3	726.7	713.4	716.8
40°	796.4	731.2	695.5	663.4	643.4	633.9	636.0
42.5°	701.3	652.5	623.1	601.1	587.0	581.8	580.5
45°	593.4	566.1	541.9	529.3	522.5	516.7	513.0
47.5°	519.8	497.6	483.9	476.4	470.5	464.5	464.5
50°	475.7	461.0	451.5	443.6	438.9	434.7	438.4
52.5°	442.0	428.6	419.1	412.1	410.4	406.5	406.5
55°	392.1	381.6	374.8	368.4	365.4	363.2	360.6
57.5°	346.7	336.8	330.4	326.5	320.4	318.3	317.5
60°	314.3	306.4	300.2	294.9	292.2	288.0	288.0
62.5°	284.5	276.6	270.7	266.7	262.4	260.7	261.2
65°	241.3	235.0	229.2	225.0	223.9	220.8	221.8
67.5°	201.5	197.3	191.2	188.9	187.0	185.2	183.9
70°	175.1	170.9	167.7	164.5	163.0	163.0	163.0
72.5°	152.7	147.7	145.8	141.8	142.8	141.1	139.4
75°	118.3	115.1	113.5	111.9	109.3	109.3	109.3
77.5°	87.1	86.1	84.2	82.5	81.9	81.4	81.6
80°	67.3	66.8	65.7	65.7	64.6	64.2	63.1
82.5°	51.7	50.4	49.7	49.3	49.1	49.0	48.8
85°	29.5	28.4	28.4	28.9	27.9	27.9	28.4
87.5°	14.9	15.1	14.7	14.8	15.3	15.0	15.1
90°	17.7	18.5	19.1	19.4	19.7	20.1	20.4
92.5°	18.9	19.3	19.6	19.8	20.0	20.2	20.4
95°	32.1	32.9	33.2	33.0	32.9	32.7	32.6
97.5°	41.5	42.2	42.6	42.9	43.0	43.3	43.4
100°	47.2	48.6	49.4	49.7	50.1	50.4	50.7
102.5°	49.6	51.3	52.4	52.9	53.4	53.9	54.3
105°	51.7	53.6	54.8	55.5	56.2	56.9	57.5
107.5°	59.0	57.1	56.5	57.2	57.8	58.5	59.2
110°	82.0	65.2	57.1	57.8	58.5	59.1	59.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	150.0	88.6	58.2	58.8	59.3	59.9	60.4
115°	233.4	155.5	110.5	98.4	86.3	74.1	62.1
117.5°	460.8	442.0	412.6	372.8	333.0	293.3	253.4
120°	560.9	562.9	552.5	529.9	507.2	484.4	461.8
122.5°	594.2	595.4	593.8	589.4	585.0	580.6	576.2
125°	643.2	644.4	645.2	645.7	646.2	646.7	647.2
127.5°	689.0	690.7	691.6	691.7	691.8	691.9	692.0
130°	717.9	719.7	720.6	720.3	720.2	720.0	719.9
132.5°	745.5	747.1	747.8	747.6	747.4	747.3	747.1
135°	785.4	787.1	787.8	787.5	787.1	786.8	786.5
137.5°	822.4	824.1	824.7	824.1	823.5	822.9	822.4
140°	846.3	847.8	848.1	847.3	846.4	845.6	844.8
142.5°	868.3	869.7	869.9	869.1	868.2	867.4	866.6
145°	899.0	900.2	900.4	899.5	898.7	897.9	897.0
147.5°	925.7	926.5	926.6	925.9	925.2	924.5	923.8
150°	942.4	943.4	943.5	942.7	941.8	941.0	940.2
152.5°	957.5	958.5	958.5	957.4	956.3	955.2	954.1
155°	977.9	979.0	978.8	977.5	976.1	974.8	973.4
157.5°	995.4	996.5	996.4	995.1	993.8	992.4	991.2
160°	1005.2	1006.2	1006.2	1005.0	1003.8	1002.7	1001.5
162.5°	1014.7	1015.9	1015.7	1014.2	1012.8	1011.4	1010.0
165°	1026.2	1027.4	1027.4	1026.2	1025.0	1023.8	1022.6
167.5°	1035.7	1036.9	1036.7	1035.2	1033.7	1032.2	1030.7
170°	1040.5	1041.7	1041.6	1040.1	1038.6	1037.0	1035.5
172.5°	1044.2	1045.4	1045.2	1043.7	1042.2	1040.7	1039.2
175°	1048.1	1049.3	1049.1	1047.3	1045.7	1044.0	1042.4
177.5°	1048.3	1049.2	1049.2	1047.9	1046.7	1045.5	1044.3
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1

(END OF REPORT)