

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: P331833-930

Luminaire Tested: **S122RDIW-S865D970U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331833-930  
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: S122RDIW-S865D970U930-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 970 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5848.4 lumens  
Efficiency: N/A  
Efficacy: 95.6 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

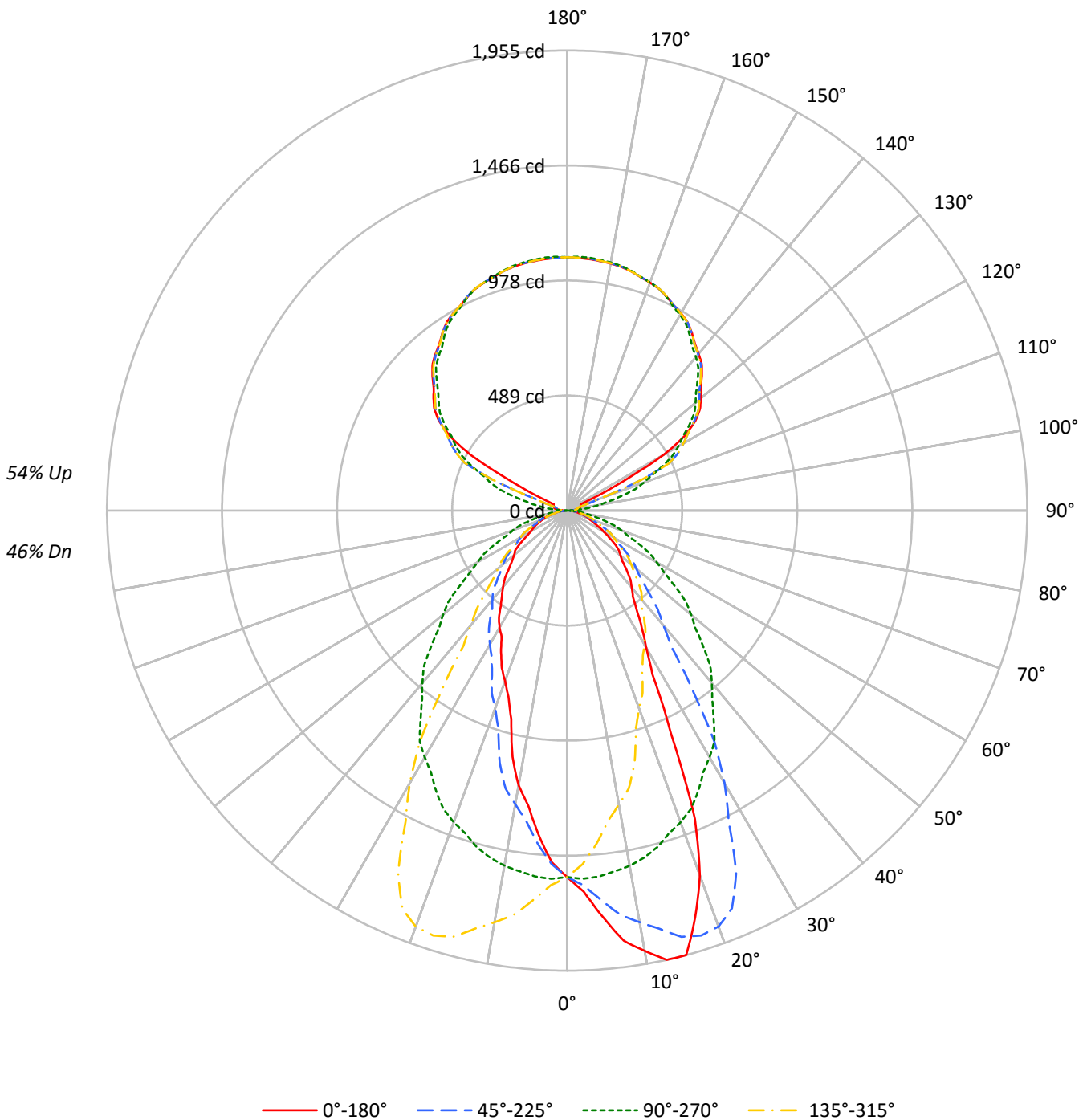
Input Watts (W): 61.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	98	94	90	87	89	86	83	80	72	70	68	59	58	56	47	47	46	40
2	89	83	77	72	82	76	71	67	64	61	57	53	51	48	43	41	40	35
3	82	73	66	61	75	68	62	57	57	53	49	48	44	42	39	36	35	30
4	76	65	58	52	69	61	54	49	51	47	43	43	39	37	35	33	31	27
5	70	59	51	45	64	54	48	43	46	41	37	39	35	32	32	29	27	24
6	64	53	45	40	59	49	42	38	42	37	33	36	32	29	29	27	24	22
7	60	48	41	35	55	45	38	33	39	33	30	33	29	26	27	24	22	19
8	56	44	37	31	51	41	34	30	35	30	27	30	26	23	25	22	20	18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	23	20	18	16
10	49	37	30	26	45	35	29	24	30	25	22	26	22	19	22	19	17	15

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

	0°	90°	180°	270°
0°	25137	25137	25137	25137
5°	28075	25293	22428	25293
10°	31147	25117	19441	25117
15°	32679	24749	15318	24749
20°	28331	24204	13254	24204
25°	18579	23457	11834	23457
30°	12506	22551	10711	22551
35°	10129	21409	9660	21409
40°	9008	20168	8939	20168
45°	8152	18712	7978	18712
50°	7420	17269	7390	17269
55°	6975	15671	6883	15671
60°	5835	14202	5767	14202
65°	4917	12894	5578	12894
70°	4546	11514	5264	11514
75°	4255	10025	4860	10025
80°	3924	8247	4333	8247
85°	3612	6502	3798	6502



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.6	2.5
10°-20°	411.2	7.0
20°-30°	529.9	9.1
30°-40°	503.6	8.6
40°-50°	431.4	7.4
50°-60°	328.5	5.6
60°-70°	207.7	3.6
70°-80°	103.7	1.8
80°-90°	29.6	0.5
90°-100°	35.9	0.6
100°-110°	131.7	2.3
110°-120°	352.0	6.0
120°-130°	581.1	9.9
130°-140°	618.0	10.6
140°-150°	574.4	9.8
150°-160°	461.8	7.9
160°-170°	297.6	5.1
170°-180°	102.4	1.8
0°-30°	1088.7	18.6
0°-40°	1592.3	27.2
0°-60°	2352.3	40.2
0°-90°	2693.3	46.1
90°-120°	519.7	8.9
90°-150°	2293.2	39.2
90°-180°	3155.0	53.9
0°-180°	5848.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1557	1557	1557	1557	1557	
5°	1732	1561	1384	1561	1732	171
15°	1955	1481	916	1481	1955	527
25°	1043	1317	664	1317	1043	495
35°	514	1086	490	1086	514	329
45°	357	820	349	820	357	276
55°	248	557	244	557	248	217
65°	129	338	146	338	129	131
75°	68	161	78	161	68	72
85°	20	35	20	35	20	21
90°	21	1	21	1	21	10
95°	34	51	34	51	34	31
105°	59	237	59	237	59	62
115°	64	448	64	448	64	160
125°	666	633	666	633	666	576
135°	809	784	809	784	809	624
145°	923	909	923	909	923	577
155°	1002	1001	1002	1001	1002	462
165°	1052	1055	1052	1055	1052	297
175°	1073	1079	1073	1079	1073	102
180°	1077	1077	1077	1077	1077	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1620.1	1621.4	1622.7	1619.6	1619.6	1617.1	1611.4	1607.1	1595.0	1593.3	1593.3
5°	1732.2	1731.0	1733.2	1726.2	1716.4	1714.3	1704.1	1690.5	1676.4	1660.8	1657.5
7.5°	1843.6	1841.9	1837.6	1836.5	1829.0	1812.7	1796.1	1778.5	1755.1	1732.3	1720.8
10°	1899.8	1917.7	1906.9	1887.9	1891.7	1866.3	1852.8	1829.5	1810.0	1776.0	1768.4
12.5°	1955.3	1962.3	1958.8	1948.1	1943.3	1925.6	1907.3	1887.1	1851.1	1820.6	1793.9
15°	1955.0	1965.3	1968.0	1964.8	1967.5	1966.4	1956.6	1939.8	1908.5	1874.9	1845.8
17.5°	1810.7	1817.9	1835.6	1847.5	1862.7	1894.8	1910.6	1916.7	1912.0	1892.9	1872.3
20°	1648.9	1637.0	1686.7	1712.1	1733.7	1787.9	1834.4	1852.3	1880.9	1880.4	1874.9
22.5°	1419.4	1422.3	1469.5	1499.7	1562.8	1616.9	1670.0	1737.2	1792.6	1829.3	1850.7
25°	1042.9	1063.6	1110.6	1151.7	1222.1	1322.7	1414.1	1520.1	1620.2	1699.2	1774.3
27.5°	783.3	784.8	822.1	860.1	901.9	984.3	1099.4	1226.0	1368.7	1486.5	1621.9
30°	670.8	667.6	683.2	706.5	742.2	806.0	892.6	1017.0	1159.3	1336.7	1494.7
32.5°	591.2	591.3	603.2	620.4	650.0	693.1	752.4	853.5	987.9	1162.3	1347.5
35°	513.9	513.4	522.0	534.4	546.9	574.5	615.1	668.1	760.6	923.4	1112.7
37.5°	458.5	460.9	465.1	472.9	486.7	502.0	526.4	562.0	627.9	724.1	883.3
40°	427.4	428.4	434.4	440.9	449.0	460.9	480.9	509.6	557.7	634.5	750.8
42.5°	398.8	399.9	404.1	410.2	416.5	428.4	445.0	469.8	508.8	568.8	664.7
45°	357.0	357.0	360.9	363.5	370.6	381.4	394.9	415.5	442.5	486.9	550.7
47.5°	317.9	318.0	320.5	325.1	329.5	338.0	351.3	368.1	387.8	422.1	476.6
50°	295.4	295.9	297.5	301.3	304.0	311.6	321.9	336.5	357.0	383.5	429.0
52.5°	277.2	276.9	278.9	280.5	282.4	287.8	295.5	308.3	326.8	349.8	387.4
55°	247.8	245.6	248.8	251.5	253.2	255.4	259.7	267.7	283.5	303.0	331.1
57.5°	211.0	210.1	212.4	214.8	220.0	225.8	229.5	234.6	242.8	256.7	284.6
60°	180.7	180.7	185.6	187.2	193.1	200.7	208.3	212.6	220.7	229.9	250.5
62.5°	153.8	154.3	156.5	158.2	161.5	170.8	181.4	190.9	198.6	207.4	221.0
65°	128.7	129.8	129.8	130.9	133.1	135.3	139.6	147.2	160.7	173.1	183.4
67.5°	109.3	109.6	109.9	111.0	111.5	113.9	115.7	119.0	122.1	134.0	146.7
70°	96.3	97.9	97.3	98.5	99.0	100.0	102.2	103.9	108.8	111.5	119.0
72.5°	84.1	85.4	85.3	85.9	87.3	87.6	89.3	90.9	94.0	96.3	100.4
75°	68.2	67.6	68.2	69.2	69.8	70.4	70.4	72.5	74.1	76.3	79.0
77.5°	52.6	53.2	53.0	53.2	53.2	54.2	54.1	55.0	56.7	57.8	59.1
80°	42.2	42.7	42.2	42.7	43.3	43.8	43.3	43.8	45.4	46.6	46.6
82.5°	32.7	32.8	33.1	33.2	33.3	33.4	34.2	34.3	35.5	35.3	35.7
85°	19.5	18.9	18.9	18.9	19.5	20.0	19.5	19.5	20.0	20.0	20.0
87.5°	11.2	11.5	11.4	11.3	11.3	11.2	11.0	11.3	10.7	10.9	10.2
90°	21.0	20.7	20.3	20.0	19.6	19.1	18.2	17.3	16.5	15.6	14.2
92.5°	21.0	20.8	20.6	20.4	20.2	19.9	19.4	19.0	18.5	18.1	17.4
95°	33.5	33.7	33.8	34.0	34.2	33.8	33.0	32.1	31.2	30.4	29.2
97.5°	44.7	44.5	44.3	44.1	43.9	43.5	42.7	42.1	41.3	40.7	37.8
100°	52.2	51.9	51.5	51.1	50.8	50.0	48.6	47.2	45.8	44.4	41.5
102.5°	55.9	55.4	55.0	54.5	54.0	52.8	51.0	49.2	47.5	45.7	40.3
105°	59.2	58.5	57.8	57.2	56.4	55.1	53.2	51.4	49.4	47.5	44.8
107.5°	60.9	60.3	59.5	58.9	58.1	58.8	60.7	62.6	64.6	66.5	123.2
110°	61.6	60.8	60.2	59.4	58.8	67.1	84.4	101.7	119.0	136.3	186.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	62.2	61.6	61.1	60.5	59.9	91.2	154.4	217.5	280.7	343.9	356.2
115°	63.9	76.3	88.8	101.3	113.7	160.0	240.2	320.3	400.5	480.7	476.4
117.5°	260.8	301.8	342.8	383.7	424.7	454.9	474.3	493.6	513.0	532.4	529.5
120°	475.2	498.6	522.0	545.4	568.7	579.4	577.2	575.2	573.2	571.0	567.9
122.5°	593.0	597.5	602.1	606.6	611.1	612.8	611.6	610.3	609.0	607.8	604.4
125°	666.1	665.5	665.0	664.6	664.0	663.2	661.9	660.7	659.5	658.3	655.0
127.5°	712.2	712.1	712.0	711.9	711.8	710.9	709.1	707.4	705.6	703.8	701.3
130°	740.9	741.0	741.2	741.4	741.6	740.7	738.8	736.9	735.0	733.1	731.2
132.5°	768.9	769.1	769.2	769.4	769.6	768.9	767.3	765.6	764.0	762.4	760.4
135°	809.4	809.8	810.1	810.5	810.8	810.1	808.4	806.7	804.9	803.2	801.6
137.5°	846.4	846.9	847.5	848.2	848.7	848.2	846.4	844.7	843.1	841.4	839.6
140°	869.4	870.3	871.1	872.0	872.9	872.5	871.0	869.4	867.9	866.3	864.4
142.5°	891.9	892.8	893.6	894.5	895.3	895.0	893.6	892.2	890.8	889.3	887.2
145°	923.2	924.1	924.9	925.8	926.7	926.4	925.3	924.1	922.8	921.6	918.7
147.5°	950.7	951.5	952.2	952.9	953.7	953.6	952.7	951.8	950.9	950.0	947.1
150°	967.6	968.4	969.3	970.2	971.0	970.9	969.9	968.9	967.8	966.8	964.0
152.5°	981.9	983.1	984.2	985.4	986.5	986.5	985.5	984.5	983.4	982.4	979.7
155°	1001.8	1003.2	1004.6	1006.0	1007.4	1007.5	1006.5	1005.5	1004.4	1003.4	1001.4
157.5°	1020.1	1021.4	1022.8	1024.1	1025.5	1025.6	1024.4	1023.2	1022.1	1020.8	1019.4
160°	1030.7	1031.9	1033.1	1034.3	1035.5	1035.6	1034.5	1033.6	1032.5	1031.4	1030.5
162.5°	1039.4	1040.9	1042.4	1043.8	1045.4	1045.5	1044.3	1043.2	1042.0	1040.8	1039.9
165°	1052.5	1053.7	1054.9	1056.1	1057.4	1057.4	1056.1	1054.9	1053.7	1052.5	1052.0
167.5°	1060.8	1062.3	1063.9	1065.4	1067.0	1067.1	1065.9	1064.7	1063.5	1062.3	1061.8
170°	1065.8	1067.3	1068.9	1070.4	1072.0	1072.1	1070.9	1069.8	1068.5	1067.3	1067.0
172.5°	1069.5	1071.1	1072.6	1074.2	1075.7	1075.9	1074.6	1073.4	1072.3	1071.1	1070.7
175°	1072.8	1074.5	1076.2	1077.9	1079.7	1079.9	1078.7	1077.5	1076.3	1075.1	1074.7
177.5°	1074.8	1076.0	1077.3	1078.5	1079.8	1079.9	1078.9	1078.0	1077.0	1076.0	1075.9
180°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1594.1	1590.6	1587.6	1579.8	1575.9	1567.2	1565.9	1565.5	1554.3	1543.4	1540.4
5°	1648.9	1640.2	1627.2	1612.1	1596.4	1580.1	1569.3	1560.6	1539.0	1518.5	1506.6
7.5°	1704.1	1685.4	1663.0	1634.3	1610.5	1583.6	1563.7	1545.8	1515.2	1485.7	1465.9
10°	1745.1	1714.8	1685.1	1645.6	1614.8	1584.5	1556.3	1532.0	1497.4	1458.4	1430.9
12.5°	1770.7	1737.3	1696.3	1657.7	1617.8	1579.2	1541.6	1510.3	1469.7	1429.5	1396.6
15°	1805.2	1769.4	1719.7	1664.5	1613.2	1562.8	1519.6	1480.6	1427.6	1379.4	1339.4
17.5°	1833.4	1784.3	1730.9	1667.0	1607.5	1543.6	1487.8	1438.1	1379.1	1321.0	1273.8
20°	1842.5	1793.8	1732.2	1668.3	1598.0	1522.8	1462.7	1408.7	1345.3	1282.1	1228.0
22.5°	1836.9	1799.0	1730.4	1654.0	1582.0	1503.3	1435.5	1372.7	1302.5	1238.0	1175.2
25°	1798.7	1785.7	1720.8	1637.4	1555.3	1463.9	1385.4	1316.7	1236.6	1167.4	1099.2
27.5°	1709.7	1737.6	1697.5	1608.7	1517.3	1419.3	1331.1	1252.9	1169.8	1091.8	1023.9
30°	1624.0	1688.3	1671.0	1588.8	1486.5	1390.2	1291.3	1209.6	1120.9	1040.8	973.7
32.5°	1506.7	1613.0	1629.9	1561.1	1455.4	1349.6	1245.9	1164.6	1072.0	987.6	922.2
35°	1320.0	1479.0	1552.0	1508.2	1402.2	1288.0	1180.9	1086.2	993.2	909.9	845.0
37.5°	1097.1	1313.8	1435.5	1438.6	1341.2	1222.5	1106.0	1011.9	916.7	834.9	764.7
40°	952.6	1187.4	1345.9	1381.0	1298.9	1170.6	1052.7	956.9	863.9	783.8	703.3
42.5°	822.8	1056.7	1251.6	1312.7	1247.3	1120.0	1001.7	901.6	811.1	735.4	653.1
45°	665.4	869.8	1084.6	1193.9	1157.6	1039.8	914.8	819.5	734.6	669.2	590.2
47.5°	561.3	705.4	913.2	1061.0	1060.4	952.8	829.8	738.7	659.8	598.5	534.6
50°	502.0	627.5	803.3	971.0	985.0	894.7	777.9	687.5	614.0	549.6	498.2
52.5°	448.7	552.2	710.3	871.1	911.1	832.8	719.5	636.1	564.7	505.5	461.5
55°	379.2	459.3	579.4	729.8	790.4	735.2	634.5	556.7	498.8	449.0	411.2
57.5°	320.8	380.8	477.2	598.3	668.9	634.1	551.1	487.9	438.3	393.3	363.4
60°	284.0	333.2	414.9	516.1	593.9	569.6	498.8	439.8	397.6	358.7	330.5
62.5°	249.4	291.7	361.7	443.8	515.2	505.2	447.3	397.8	360.9	325.3	301.5
65°	200.7	231.5	286.2	350.6	407.9	412.8	371.1	337.5	304.6	276.5	255.4
67.5°	159.8	179.9	218.4	272.6	315.6	330.9	305.5	279.9	253.7	232.0	213.7
70°	134.7	150.9	179.0	222.9	262.4	278.6	264.0	243.9	221.3	203.4	187.7
72.5°	109.2	125.0	145.7	177.9	211.7	229.3	224.2	209.8	191.4	176.6	161.8
75°	82.3	87.1	101.2	122.8	149.3	164.4	168.3	160.7	146.0	134.7	126.0
77.5°	60.8	63.8	70.4	81.8	99.1	112.6	118.1	117.2	107.2	100.6	92.5
80°	48.7	50.3	53.6	58.5	71.4	85.0	88.7	88.7	81.7	79.0	70.8
82.5°	37.0	38.2	40.1	42.8	48.9	60.7	64.9	65.8	61.3	57.8	51.4
85°	21.1	20.5	21.6	23.2	24.4	27.6	34.1	35.1	34.1	29.8	28.1
87.5°	9.9	10.1	9.8	9.0	9.0	9.1	10.9	12.7	11.3	10.4	9.9
90°	12.8	11.4	10.0	8.4	6.5	4.6	2.7	0.8	2.7	4.6	6.5
92.5°	16.7	16.0	15.3	15.1	15.2	15.4	15.6	15.7	15.6	15.4	15.2
95°	28.0	26.7	25.5	27.8	33.5	39.2	44.9	50.6	44.9	39.2	33.5
97.5°	35.1	32.3	29.4	36.1	52.2	68.3	84.4	100.5	84.4	68.3	52.2
100°	38.5	35.5	32.6	43.0	66.8	90.4	114.1	137.9	114.1	90.4	66.8
102.5°	94.9	119.5	144.1	158.9	164.0	169.0	174.0	179.0	174.0	169.0	164.0
105°	142.0	189.3	236.6	257.6	252.4	247.2	242.1	236.8	242.1	247.2	252.4
107.5°	179.9	236.6	293.3	319.5	315.3	311.1	307.0	302.7	307.0	311.1	315.3
110°	236.4	286.4	336.5	359.6	356.0	352.4	348.8	345.1	348.8	352.4	356.0





TEST NUMBER: P331833-930

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	368.6	381.0	393.3	397.9	394.7	391.4	388.2	385.0	388.2	391.4	394.7
115°	472.0	467.7	463.3	459.7	456.8	453.9	450.9	447.9	450.9	453.9	456.8
117.5°	526.4	523.5	520.5	517.4	514.0	510.8	507.5	504.2	507.5	510.8	514.0
120°	564.8	561.7	558.6	555.7	553.1	550.5	548.0	545.4	548.0	550.5	553.1
122.5°	601.0	597.6	594.3	591.2	588.4	585.7	582.9	580.2	582.9	585.7	588.4
125°	651.8	648.4	645.1	642.4	640.1	637.9	635.6	633.3	635.6	637.9	640.1
127.5°	698.9	696.4	694.0	691.5	689.0	686.5	684.0	681.5	684.0	686.5	689.0
130°	729.3	727.3	725.5	723.1	720.3	717.6	714.9	712.1	714.9	717.6	720.3
132.5°	758.6	756.7	754.7	752.6	750.2	748.0	745.6	743.2	745.6	748.0	750.2
135°	800.1	798.5	797.0	794.8	792.1	789.3	786.5	783.7	786.5	789.3	792.1
137.5°	837.8	836.1	834.3	832.4	830.5	828.6	826.6	824.7	826.6	828.6	830.5
140°	862.5	860.5	858.7	857.0	855.7	854.3	852.9	851.5	852.9	854.3	855.7
142.5°	885.0	882.8	880.6	878.9	877.7	876.4	875.1	873.9	875.1	876.4	877.7
145°	915.7	912.8	909.9	908.5	908.7	908.8	909.0	909.1	909.0	908.8	908.7
147.5°	944.1	941.3	938.3	937.2	937.8	938.5	939.1	939.9	939.1	938.5	937.8
150°	961.2	958.5	955.7	955.0	956.2	957.3	958.5	959.8	958.5	957.3	956.2
152.5°	977.1	974.4	971.8	971.2	972.6	973.9	975.3	976.6	975.3	973.9	972.6
155°	999.2	997.2	995.1	994.8	996.4	997.9	999.5	1001.1	999.5	997.9	996.4
157.5°	1018.0	1016.5	1015.0	1015.0	1016.3	1017.6	1019.0	1020.3	1019.0	1017.6	1016.3
160°	1029.4	1028.3	1027.3	1027.3	1028.3	1029.4	1030.5	1031.4	1030.5	1029.4	1028.3
162.5°	1039.0	1038.1	1037.2	1037.3	1038.3	1039.3	1040.4	1041.5	1040.4	1039.3	1038.3
165°	1051.4	1050.9	1050.4	1050.7	1051.7	1052.7	1053.8	1054.8	1053.8	1052.7	1051.7
167.5°	1061.4	1060.9	1060.4	1060.6	1061.7	1062.7	1063.7	1064.8	1063.7	1062.7	1061.7
170°	1066.6	1066.2	1065.9	1066.2	1067.3	1068.4	1069.3	1070.4	1069.3	1068.4	1067.3
172.5°	1070.3	1070.0	1069.7	1070.0	1071.1	1072.0	1073.1	1074.2	1073.1	1072.0	1071.1
175°	1074.4	1074.1	1073.7	1074.2	1075.4	1076.5	1077.7	1079.0	1077.7	1076.5	1075.4
177.5°	1075.7	1075.6	1075.5	1075.9	1076.8	1077.8	1078.8	1079.8	1078.8	1077.8	1076.8
180°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1534.8	1531.8	1526.2	1517.5	1512.3	1503.2	1497.1	1500.6	1501.5	1500.6	1499.7
5°	1493.5	1482.2	1466.6	1451.4	1437.3	1422.2	1413.5	1409.7	1402.2	1397.8	1395.7
7.5°	1443.7	1424.2	1401.9	1375.6	1353.2	1329.7	1317.7	1311.7	1296.2	1287.8	1280.4
10°	1406.5	1375.7	1353.5	1318.8	1297.8	1266.9	1245.9	1246.3	1225.2	1213.3	1204.7
12.5°	1365.4	1331.5	1294.6	1263.5	1234.1	1209.3	1184.0	1173.6	1151.3	1139.8	1116.4
15°	1297.2	1257.8	1218.8	1176.6	1146.8	1108.4	1071.6	1026.7	990.5	959.1	950.5
17.5°	1222.8	1173.9	1134.8	1085.2	1034.3	969.7	927.1	901.0	879.1	862.6	850.3
20°	1171.7	1121.9	1080.3	1005.7	936.9	893.2	861.8	841.7	819.0	801.2	791.4
22.5°	1118.0	1066.1	1009.3	926.0	872.5	837.3	809.3	786.4	770.9	757.0	748.1
25°	1041.9	985.0	891.5	834.1	790.8	754.1	734.6	720.6	704.3	685.4	676.7
27.5°	961.4	871.1	803.9	761.2	719.9	696.0	678.5	657.5	642.9	634.5	625.4
30°	901.2	810.9	758.4	711.9	682.7	656.2	635.6	623.7	609.7	595.1	589.1
32.5°	834.1	762.0	711.7	672.9	643.3	620.7	604.5	585.2	575.0	566.1	553.6
35°	750.8	696.2	650.2	618.9	590.8	572.3	553.4	542.0	523.7	516.1	511.2
37.5°	680.3	632.9	598.6	565.5	543.2	522.9	511.3	493.3	485.3	474.7	464.5
40°	640.5	593.9	561.0	533.9	509.1	493.9	479.3	464.7	452.8	447.9	435.5
42.5°	599.8	562.0	529.0	499.3	482.7	466.6	448.2	437.4	425.1	417.2	409.5
45°	543.6	510.1	482.0	457.6	439.3	422.5	410.6	392.7	385.7	370.0	363.5
47.5°	494.3	463.2	436.3	413.2	395.3	384.3	366.9	352.9	341.7	332.1	323.7
50°	459.3	433.3	407.3	386.8	370.6	354.9	337.0	330.0	312.7	307.8	303.0
52.5°	427.2	402.6	378.8	358.7	342.4	327.2	311.4	302.3	290.6	285.8	282.2
55°	382.5	358.7	335.9	318.0	301.8	286.2	276.5	265.1	259.7	255.8	251.5
57.5°	337.5	316.0	298.6	280.5	264.2	251.8	240.5	233.7	228.0	223.1	217.9
60°	308.9	288.3	272.6	255.8	239.1	228.9	220.1	212.1	205.5	198.0	195.8
62.5°	278.6	260.7	246.2	229.9	215.3	205.9	197.6	190.0	182.2	171.1	168.1
65°	236.9	222.9	207.7	194.2	181.2	172.0	160.1	151.5	148.2	147.2	146.6
67.5°	199.3	186.0	173.0	159.1	147.3	138.8	132.7	131.4	129.1	128.5	127.0
70°	174.1	161.8	148.8	135.7	124.4	122.8	120.7	118.5	115.8	114.7	113.6
72.5°	151.6	138.8	125.8	115.4	110.6	108.5	106.3	104.2	102.3	101.3	100.6
75°	116.3	104.4	95.7	92.0	89.3	87.6	84.4	82.8	81.7	80.1	79.5
77.5°	83.7	77.0	73.1	70.7	67.8	66.1	64.2	62.6	61.5	61.1	60.3
80°	63.8	60.6	57.9	54.6	53.6	51.4	50.9	49.2	49.7	48.2	48.2
82.5°	49.6	45.4	43.1	41.7	40.6	38.8	38.3	37.5	37.7	36.4	36.4
85°	25.4	24.4	23.2	22.2	22.2	20.5	21.1	20.5	20.5	19.5	18.9
87.5°	9.9	9.8	9.2	9.5	9.8	9.6	9.8	9.5	9.7	9.9	9.5
90°	8.4	10.0	11.4	12.8	14.2	15.6	16.5	17.3	18.2	19.1	19.6
92.5°	15.1	15.3	16.0	16.7	17.4	18.1	18.5	19.0	19.4	19.9	20.2
95°	27.8	25.5	26.7	28.0	29.2	30.4	31.2	32.1	33.0	33.8	34.2
97.5°	36.1	29.4	32.3	35.1	37.8	40.7	41.3	42.1	42.7	43.5	43.9
100°	43.0	32.6	35.5	38.5	41.5	44.4	45.8	47.2	48.6	50.0	50.8
102.5°	158.9	144.1	119.5	94.9	70.3	45.7	47.5	49.2	51.0	52.8	54.0
105°	257.6	236.6	189.3	142.0	94.8	47.5	49.4	51.4	53.2	55.1	56.4
107.5°	319.5	293.3	236.6	179.9	123.2	66.5	64.6	62.6	60.7	58.8	58.1
110°	359.6	336.5	286.4	236.4	186.4	136.3	119.0	101.7	84.4	67.1	58.8



TEST NUMBER: P331833-930

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	397.9	393.3	381.0	368.6	356.2	343.9	280.7	217.5	154.4	91.2	59.9
115°	459.7	463.3	467.7	472.0	476.4	480.7	400.5	320.3	240.2	160.0	113.7
117.5°	517.4	520.5	523.5	526.4	529.5	532.4	513.0	493.6	474.3	454.9	424.7
120°	555.7	558.6	561.7	564.8	567.9	571.0	573.2	575.2	577.2	579.4	568.7
122.5°	591.2	594.3	597.6	601.0	604.4	607.8	609.0	610.3	611.6	612.8	611.1
125°	642.4	645.1	648.4	651.8	655.0	658.3	659.5	660.7	661.9	663.2	664.0
127.5°	691.5	694.0	696.4	698.9	701.3	703.8	705.6	707.4	709.1	710.9	711.8
130°	723.1	725.5	727.3	729.3	731.2	733.1	735.0	736.9	738.8	740.7	741.6
132.5°	752.6	754.7	756.7	758.6	760.4	762.4	764.0	765.6	767.3	768.9	769.6
135°	794.8	797.0	798.5	800.1	801.6	803.2	804.9	806.7	808.4	810.1	810.8
137.5°	832.4	834.3	836.1	837.8	839.6	841.4	843.1	844.7	846.4	848.2	848.7
140°	857.0	858.7	860.5	862.5	864.4	866.3	867.9	869.4	871.0	872.5	872.9
142.5°	878.9	880.6	882.8	885.0	887.2	889.3	890.8	892.2	893.6	895.0	895.3
145°	908.5	909.9	912.8	915.7	918.7	921.6	922.8	924.1	925.3	926.4	926.7
147.5°	937.2	938.3	941.3	944.1	947.1	950.0	950.9	951.8	952.7	953.6	953.7
150°	955.0	955.7	958.5	961.2	964.0	966.8	967.8	968.9	969.9	970.9	971.0
152.5°	971.2	971.8	974.4	977.1	979.7	982.4	983.4	984.5	985.5	986.5	986.5
155°	994.8	995.1	997.2	999.2	1001.4	1003.4	1004.4	1005.5	1006.5	1007.5	1007.4
157.5°	1015.0	1015.0	1016.5	1018.0	1019.4	1020.8	1022.1	1023.2	1024.4	1025.6	1025.5
160°	1027.3	1027.3	1028.3	1029.4	1030.5	1031.4	1032.5	1033.6	1034.5	1035.6	1035.5
162.5°	1037.3	1037.2	1038.1	1039.0	1039.9	1040.8	1042.0	1043.2	1044.3	1045.5	1045.4
165°	1050.7	1050.4	1050.9	1051.4	1052.0	1052.5	1053.7	1054.9	1056.1	1057.4	1057.4
167.5°	1060.6	1060.4	1060.9	1061.4	1061.8	1062.3	1063.5	1064.7	1065.9	1067.1	1067.0
170°	1066.2	1065.9	1066.2	1066.6	1067.0	1067.3	1068.5	1069.8	1070.9	1072.1	1072.0
172.5°	1070.0	1069.7	1070.0	1070.3	1070.7	1071.1	1072.3	1073.4	1074.6	1075.9	1075.7
175°	1074.2	1073.7	1074.1	1074.4	1074.7	1075.1	1076.3	1077.5	1078.7	1079.9	1079.7
177.5°	1075.9	1075.5	1075.6	1075.7	1075.9	1076.0	1077.0	1078.0	1078.9	1079.9	1079.8
180°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6



TEST NUMBER: P331833-930

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1495.0	1495.8	1494.5	1495.4	1494.5	1495.8	1495.0	1499.7	1500.6	1501.5	1500.6
5°	1392.9	1386.5	1385.4	1383.8	1385.4	1386.5	1392.9	1395.7	1397.8	1402.2	1409.7
7.5°	1271.1	1270.2	1267.5	1263.7	1267.5	1270.2	1271.1	1280.4	1287.8	1296.2	1311.7
10°	1192.8	1190.1	1189.6	1185.8	1189.6	1190.1	1192.8	1204.7	1213.3	1225.2	1246.3
12.5°	1101.1	1083.6	1081.8	1072.4	1081.8	1083.6	1101.1	1116.4	1139.8	1151.3	1173.6
15°	937.5	934.3	923.4	916.4	923.4	934.3	937.5	950.5	959.1	990.5	1026.7
17.5°	844.0	833.4	830.1	828.5	830.1	833.4	844.0	850.3	862.6	879.1	901.0
20°	783.8	774.1	772.5	771.4	772.5	774.1	783.8	791.4	801.2	819.0	841.7
22.5°	742.3	732.1	727.9	724.6	727.9	732.1	742.3	748.1	757.0	770.9	786.4
25°	671.3	667.6	665.4	664.3	665.4	667.6	671.3	676.7	685.4	704.3	720.6
27.5°	615.8	607.5	605.8	603.1	605.8	607.5	615.8	625.4	634.5	642.9	657.5
30°	584.2	581.6	577.7	574.5	577.7	581.6	584.2	589.1	595.1	609.7	623.7
32.5°	547.0	544.8	541.4	539.9	541.4	544.8	547.0	553.6	566.1	575.0	585.2
35°	505.8	498.2	495.0	490.1	495.0	498.2	505.8	511.2	516.1	523.7	542.0
37.5°	462.2	458.2	453.6	455.3	453.6	458.2	462.2	464.5	474.7	485.3	493.3
40°	428.4	425.7	424.7	424.1	424.7	425.7	428.4	435.5	447.9	452.8	464.7
42.5°	401.6	394.1	391.3	391.2	391.3	394.1	401.6	409.5	417.2	425.1	437.4
45°	360.9	353.8	348.9	349.4	348.9	353.8	360.9	363.5	370.0	385.7	392.7
47.5°	319.0	318.9	315.8	316.8	315.8	318.9	319.0	323.7	332.1	341.7	352.9
50°	299.1	295.9	293.8	294.2	293.8	295.9	299.1	303.0	307.8	312.7	330.0
52.5°	280.1	277.3	275.6	277.9	275.6	277.3	280.1	282.2	285.8	290.6	302.3
55°	248.8	245.6	245.1	244.5	245.1	245.6	248.8	251.5	255.8	259.7	265.1
57.5°	213.9	211.7	208.5	207.1	208.5	211.7	213.9	217.9	223.1	228.0	233.7
60°	188.8	184.5	179.0	178.6	179.0	184.5	188.8	195.8	198.0	205.5	212.1
62.5°	165.8	165.0	163.9	163.8	163.9	165.0	165.8	168.1	171.1	182.2	190.0
65°	145.5	145.0	145.5	146.0	145.5	145.0	145.5	146.6	147.2	148.2	151.5
67.5°	126.8	125.8	124.8	125.3	124.8	125.8	126.8	127.0	128.5	129.1	131.4
70°	112.5	111.9	111.5	111.5	111.5	111.9	112.5	113.6	114.7	115.8	118.5
72.5°	98.7	98.6	98.0	97.6	98.0	98.6	98.7	100.6	101.3	102.3	104.2
75°	79.0	77.9	77.9	77.9	77.9	77.9	79.0	79.5	80.1	81.7	82.8
77.5°	60.2	59.6	59.1	58.6	59.1	59.6	60.2	60.3	61.1	61.5	62.6
80°	47.6	47.0	46.6	46.6	46.6	47.0	47.6	48.2	48.2	49.7	49.2
82.5°	36.4	35.8	35.7	35.3	35.7	35.8	36.4	36.4	36.4	37.7	37.5
85°	19.5	20.0	19.5	20.5	19.5	20.0	19.5	18.9	19.5	20.5	20.5
87.5°	9.6	9.3	9.8	9.4	9.8	9.3	9.6	9.5	9.9	9.7	9.5
90°	20.0	20.3	20.7	21.0	20.7	20.3	20.0	19.6	19.1	18.2	17.3
92.5°	20.4	20.6	20.8	21.0	20.8	20.6	20.4	20.2	19.9	19.4	19.0
95°	34.0	33.8	33.7	33.5	33.7	33.8	34.0	34.2	33.8	33.0	32.1
97.5°	44.1	44.3	44.5	44.7	44.5	44.3	44.1	43.9	43.5	42.7	42.1
100°	51.1	51.5	51.9	52.2	51.9	51.5	51.1	50.8	50.0	48.6	47.2
102.5°	54.5	55.0	55.4	55.9	55.4	55.0	54.5	54.0	52.8	51.0	49.2
105°	57.2	57.8	58.5	59.2	58.5	57.8	57.2	56.4	55.1	53.2	51.4
107.5°	58.9	59.5	60.3	60.9	60.3	59.5	58.9	58.1	58.8	60.7	62.6
110°	59.4	60.2	60.8	61.6	60.8	60.2	59.4	58.8	67.1	84.4	101.7



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	60.5	61.1	61.6	62.2	61.6	61.1	60.5	59.9	91.2	154.4	217.5
115°	101.3	88.8	76.3	63.9	76.3	88.8	101.3	113.7	160.0	240.2	320.3
117.5°	383.7	342.8	301.8	260.8	301.8	342.8	383.7	424.7	454.9	474.3	493.6
120°	545.4	522.0	498.6	475.2	498.6	522.0	545.4	568.7	579.4	577.2	575.2
122.5°	606.6	602.1	597.5	593.0	597.5	602.1	606.6	611.1	612.8	611.6	610.3
125°	664.6	665.0	665.5	666.1	665.5	665.0	664.6	664.0	663.2	661.9	660.7
127.5°	711.9	712.0	712.1	712.2	712.1	712.0	711.9	711.8	710.9	709.1	707.4
130°	741.4	741.2	741.0	740.9	741.0	741.2	741.4	741.6	740.7	738.8	736.9
132.5°	769.4	769.2	769.1	768.9	769.1	769.2	769.4	769.6	768.9	767.3	765.6
135°	810.5	810.1	809.8	809.4	809.8	810.1	810.5	810.8	810.1	808.4	806.7
137.5°	848.2	847.5	846.9	846.4	846.9	847.5	848.2	848.7	848.2	846.4	844.7
140°	872.0	871.1	870.3	869.4	870.3	871.1	872.0	872.9	872.5	871.0	869.4
142.5°	894.5	893.6	892.8	891.9	892.8	893.6	894.5	895.3	895.0	893.6	892.2
145°	925.8	924.9	924.1	923.2	924.1	924.9	925.8	926.7	926.4	925.3	924.1
147.5°	952.9	952.2	951.5	950.7	951.5	952.2	952.9	953.7	953.6	952.7	951.8
150°	970.2	969.3	968.4	967.6	968.4	969.3	970.2	971.0	970.9	969.9	968.9
152.5°	985.4	984.2	983.1	981.9	983.1	984.2	985.4	986.5	986.5	985.5	984.5
155°	1006.0	1004.6	1003.2	1001.8	1003.2	1004.6	1006.0	1007.4	1007.5	1006.5	1005.5
157.5°	1024.1	1022.8	1021.4	1020.1	1021.4	1022.8	1024.1	1025.5	1025.6	1024.4	1023.2
160°	1034.3	1033.1	1031.9	1030.7	1031.9	1033.1	1034.3	1035.5	1035.6	1034.5	1033.6
162.5°	1043.8	1042.4	1040.9	1039.4	1040.9	1042.4	1043.8	1045.4	1045.5	1044.3	1043.2
165°	1056.1	1054.9	1053.7	1052.5	1053.7	1054.9	1056.1	1057.4	1057.4	1056.1	1054.9
167.5°	1065.4	1063.9	1062.3	1060.8	1062.3	1063.9	1065.4	1067.0	1067.1	1065.9	1064.7
170°	1070.4	1068.9	1067.3	1065.8	1067.3	1068.9	1070.4	1072.0	1072.1	1070.9	1069.8
172.5°	1074.2	1072.6	1071.1	1069.5	1071.1	1072.6	1074.2	1075.7	1075.9	1074.6	1073.4
175°	1077.9	1076.2	1074.5	1072.8	1074.5	1076.2	1077.9	1079.7	1079.9	1078.7	1077.5
177.5°	1078.5	1077.3	1076.0	1074.8	1076.0	1077.3	1078.5	1079.8	1079.9	1078.9	1078.0
180°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1497.1	1503.2	1512.3	1517.5	1526.2	1531.8	1534.8	1540.4	1543.4	1554.3	1565.5
5°	1413.5	1422.2	1437.3	1451.4	1466.6	1482.2	1493.5	1506.6	1518.5	1539.0	1560.6
7.5°	1317.7	1329.7	1353.2	1375.6	1401.9	1424.2	1443.7	1465.9	1485.7	1515.2	1545.8
10°	1245.9	1266.9	1297.8	1318.8	1353.5	1375.7	1406.5	1430.9	1458.4	1497.4	1532.0
12.5°	1184.0	1209.3	1234.1	1263.5	1294.6	1331.5	1365.4	1396.6	1429.5	1469.7	1510.3
15°	1071.6	1108.4	1146.8	1176.6	1218.8	1257.8	1297.2	1339.4	1379.4	1427.6	1480.6
17.5°	927.1	969.7	1034.3	1085.2	1134.8	1173.9	1222.8	1273.8	1321.0	1379.1	1438.1
20°	861.8	893.2	936.9	1005.7	1080.3	1121.9	1171.7	1228.0	1282.1	1345.3	1408.7
22.5°	809.3	837.3	872.5	926.0	1009.3	1066.1	1118.0	1175.2	1238.0	1302.5	1372.7
25°	734.6	754.1	790.8	834.1	891.5	985.0	1041.9	1099.2	1167.4	1236.6	1316.7
27.5°	678.5	696.0	719.9	761.2	803.9	871.1	961.4	1023.9	1091.8	1169.8	1252.9
30°	635.6	656.2	682.7	711.9	758.4	810.9	901.2	973.7	1040.8	1120.9	1209.6
32.5°	604.5	620.7	643.3	672.9	711.7	762.0	834.1	922.2	987.6	1072.0	1164.6
35°	553.4	572.3	590.8	618.9	650.2	696.2	750.8	845.0	909.9	993.2	1086.2
37.5°	511.3	522.9	543.2	565.5	598.6	632.9	680.3	764.7	834.9	916.7	1011.9
40°	479.3	493.9	509.1	533.9	561.0	593.9	640.5	703.3	783.8	863.9	956.9
42.5°	448.2	466.6	482.7	499.3	529.0	562.0	599.8	653.1	735.4	811.1	901.6
45°	410.6	422.5	439.3	457.6	482.0	510.1	543.6	590.2	669.2	734.6	819.5
47.5°	366.9	384.3	395.3	413.2	436.3	463.2	494.3	534.6	598.5	659.8	738.7
50°	337.0	354.9	370.6	386.8	407.3	433.3	459.3	498.2	549.6	614.0	687.5
52.5°	311.4	327.2	342.4	358.7	378.8	402.6	427.2	461.5	505.5	564.7	636.1
55°	276.5	286.2	301.8	318.0	335.9	358.7	382.5	411.2	449.0	498.8	556.7
57.5°	240.5	251.8	264.2	280.5	298.6	316.0	337.5	363.4	393.3	438.3	487.9
60°	220.1	228.9	239.1	255.8	272.6	288.3	308.9	330.5	358.7	397.6	439.8
62.5°	197.6	205.9	215.3	229.9	246.2	260.7	278.6	301.5	325.3	360.9	397.8
65°	160.1	172.0	181.2	194.2	207.7	222.9	236.9	255.4	276.5	304.6	337.5
67.5°	132.7	138.8	147.3	159.1	173.0	186.0	199.3	213.7	232.0	253.7	279.9
70°	120.7	122.8	124.4	135.7	148.8	161.8	174.1	187.7	203.4	221.3	243.9
72.5°	106.3	108.5	110.6	115.4	125.8	138.8	151.6	161.8	176.6	191.4	209.8
75°	84.4	87.6	89.3	92.0	95.7	104.4	116.3	126.0	134.7	146.0	160.7
77.5°	64.2	66.1	67.8	70.7	73.1	77.0	83.7	92.5	100.6	107.2	117.2
80°	50.9	51.4	53.6	54.6	57.9	60.6	63.8	70.8	79.0	81.7	88.7
82.5°	38.3	38.8	40.6	41.7	43.1	45.4	49.6	51.4	57.8	61.3	65.8
85°	21.1	20.5	22.2	22.2	23.2	24.4	25.4	28.1	29.8	34.1	35.1
87.5°	9.8	9.6	9.8	9.5	9.2	9.8	9.9	9.9	10.4	11.3	12.7
90°	16.5	15.6	14.2	12.8	11.4	10.0	8.4	6.5	4.6	2.7	0.8
92.5°	18.5	18.1	17.4	16.7	16.0	15.3	15.1	15.2	15.4	15.6	15.7
95°	31.2	30.4	29.2	28.0	26.7	25.5	27.8	33.5	39.2	44.9	50.6
97.5°	41.3	40.7	37.8	35.1	32.3	29.4	36.1	52.2	68.3	84.4	100.5
100°	45.8	44.4	41.5	38.5	35.5	32.6	43.0	66.8	90.4	114.1	137.9
102.5°	47.5	45.7	70.3	94.9	119.5	144.1	158.9	164.0	169.0	174.0	179.0
105°	49.4	47.5	94.8	142.0	189.3	236.6	257.6	252.4	247.2	242.1	236.8
107.5°	64.6	66.5	123.2	179.9	236.6	293.3	319.5	315.3	311.1	307.0	302.7
110°	119.0	136.3	186.4	236.4	286.4	336.5	359.6	356.0	352.4	348.8	345.1



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	280.7	343.9	356.2	368.6	381.0	393.3	397.9	394.7	391.4	388.2	385.0
115°	400.5	480.7	476.4	472.0	467.7	463.3	459.7	456.8	453.9	450.9	447.9
117.5°	513.0	532.4	529.5	526.4	523.5	520.5	517.4	514.0	510.8	507.5	504.2
120°	573.2	571.0	567.9	564.8	561.7	558.6	555.7	553.1	550.5	548.0	545.4
122.5°	609.0	607.8	604.4	601.0	597.6	594.3	591.2	588.4	585.7	582.9	580.2
125°	659.5	658.3	655.0	651.8	648.4	645.1	642.4	640.1	637.9	635.6	633.3
127.5°	705.6	703.8	701.3	698.9	696.4	694.0	691.5	689.0	686.5	684.0	681.5
130°	735.0	733.1	731.2	729.3	727.3	725.5	723.1	720.3	717.6	714.9	712.1
132.5°	764.0	762.4	760.4	758.6	756.7	754.7	752.6	750.2	748.0	745.6	743.2
135°	804.9	803.2	801.6	800.1	798.5	797.0	794.8	792.1	789.3	786.5	783.7
137.5°	843.1	841.4	839.6	837.8	836.1	834.3	832.4	830.5	828.6	826.6	824.7
140°	867.9	866.3	864.4	862.5	860.5	858.7	857.0	855.7	854.3	852.9	851.5
142.5°	890.8	889.3	887.2	885.0	882.8	880.6	878.9	877.7	876.4	875.1	873.9
145°	922.8	921.6	918.7	915.7	912.8	909.9	908.5	908.7	908.8	909.0	909.1
147.5°	950.9	950.0	947.1	944.1	941.3	938.3	937.2	937.8	938.5	939.1	939.9
150°	967.8	966.8	964.0	961.2	958.5	955.7	955.0	956.2	957.3	958.5	959.8
152.5°	983.4	982.4	979.7	977.1	974.4	971.8	971.2	972.6	973.9	975.3	976.6
155°	1004.4	1003.4	1001.4	999.2	997.2	995.1	994.8	996.4	997.9	999.5	1001.1
157.5°	1022.1	1020.8	1019.4	1018.0	1016.5	1015.0	1015.0	1016.3	1017.6	1019.0	1020.3
160°	1032.5	1031.4	1030.5	1029.4	1028.3	1027.3	1027.3	1028.3	1029.4	1030.5	1031.4
162.5°	1042.0	1040.8	1039.9	1039.0	1038.1	1037.2	1037.3	1038.3	1039.3	1040.4	1041.5
165°	1053.7	1052.5	1052.0	1051.4	1050.9	1050.4	1050.7	1051.7	1052.7	1053.8	1054.8
167.5°	1063.5	1062.3	1061.8	1061.4	1060.9	1060.4	1060.6	1061.7	1062.7	1063.7	1064.8
170°	1068.5	1067.3	1067.0	1066.6	1066.2	1065.9	1066.2	1067.3	1068.4	1069.3	1070.4
172.5°	1072.3	1071.1	1070.7	1070.3	1070.0	1069.7	1070.0	1071.1	1072.0	1073.1	1074.2
175°	1076.3	1075.1	1074.7	1074.4	1074.1	1073.7	1074.2	1075.4	1076.5	1077.7	1079.0
177.5°	1077.0	1076.0	1075.9	1075.7	1075.6	1075.5	1075.9	1076.8	1077.8	1078.8	1079.8
180°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1565.9	1567.2	1575.9	1579.8	1587.6	1590.6	1594.1	1593.3	1593.3	1595.0	1607.1
5°	1569.3	1580.1	1596.4	1612.1	1627.2	1640.2	1648.9	1657.5	1660.8	1676.4	1690.5
7.5°	1563.7	1583.6	1610.5	1634.3	1663.0	1685.4	1704.1	1720.8	1732.3	1755.1	1778.5
10°	1556.3	1584.5	1614.8	1645.6	1685.1	1714.8	1745.1	1768.4	1776.0	1810.0	1829.5
12.5°	1541.6	1579.2	1617.8	1657.7	1696.3	1737.3	1770.7	1793.9	1820.6	1851.1	1887.1
15°	1519.6	1562.8	1613.2	1664.5	1719.7	1769.4	1805.2	1845.8	1874.9	1908.5	1939.8
17.5°	1487.8	1543.6	1607.5	1667.0	1730.9	1784.3	1833.4	1872.3	1892.9	1912.0	1916.7
20°	1462.7	1522.8	1598.0	1668.3	1732.2	1793.8	1842.5	1874.9	1880.4	1880.9	1852.3
22.5°	1435.5	1503.3	1582.0	1654.0	1730.4	1799.0	1836.9	1850.7	1829.3	1792.6	1737.2
25°	1385.4	1463.9	1555.3	1637.4	1720.8	1785.7	1798.7	1774.3	1699.2	1620.2	1520.1
27.5°	1331.1	1419.3	1517.3	1608.7	1697.5	1737.6	1709.7	1621.9	1486.5	1368.7	1226.0
30°	1291.3	1390.2	1486.5	1588.8	1671.0	1688.3	1624.0	1494.7	1336.7	1159.3	1017.0
32.5°	1245.9	1349.6	1455.4	1561.1	1629.9	1613.0	1506.7	1347.5	1162.3	987.9	853.5
35°	1180.9	1288.0	1402.2	1508.2	1552.0	1479.0	1320.0	1112.7	923.4	760.6	668.1
37.5°	1106.0	1222.5	1341.2	1438.6	1435.5	1313.8	1097.1	883.3	724.1	627.9	562.0
40°	1052.7	1170.6	1298.9	1381.0	1345.9	1187.4	952.6	750.8	634.5	557.7	509.6
42.5°	1001.7	1120.0	1247.3	1312.7	1251.6	1056.7	822.8	664.7	568.8	508.8	469.8
45°	914.8	1039.8	1157.6	1193.9	1084.6	869.8	665.4	550.7	486.9	442.5	415.5
47.5°	829.8	952.8	1060.4	1061.0	913.2	705.4	561.3	476.6	422.1	387.8	368.1
50°	777.9	894.7	985.0	971.0	803.3	627.5	502.0	429.0	383.5	357.0	336.5
52.5°	719.5	832.8	911.1	871.1	710.3	552.2	448.7	387.4	349.8	326.8	308.3
55°	634.5	735.2	790.4	729.8	579.4	459.3	379.2	331.1	303.0	283.5	267.7
57.5°	551.1	634.1	668.9	598.3	477.2	380.8	320.8	284.6	256.7	242.8	234.6
60°	498.8	569.6	593.9	516.1	414.9	333.2	284.0	250.5	229.9	220.7	212.6
62.5°	447.3	505.2	515.2	443.8	361.7	291.7	249.4	221.0	207.4	198.6	190.9
65°	371.1	412.8	407.9	350.6	286.2	231.5	200.7	183.4	173.1	160.7	147.2
67.5°	305.5	330.9	315.6	272.6	218.4	179.9	159.8	146.7	134.0	122.1	119.0
70°	264.0	278.6	262.4	222.9	179.0	150.9	134.7	119.0	111.5	108.8	103.9
72.5°	224.2	229.3	211.7	177.9	145.7	125.0	109.2	100.4	96.3	94.0	90.9
75°	168.3	164.4	149.3	122.8	101.2	87.1	82.3	79.0	76.3	74.1	72.5
77.5°	118.1	112.6	99.1	81.8	70.4	63.8	60.8	59.1	57.8	56.7	55.0
80°	88.7	85.0	71.4	58.5	53.6	50.3	48.7	46.6	46.6	45.4	43.8
82.5°	64.9	60.7	48.9	42.8	40.1	38.2	37.0	35.7	35.3	35.5	34.3
85°	34.1	27.6	24.4	23.2	21.6	20.5	21.1	20.0	20.0	20.0	19.5
87.5°	10.9	9.1	9.0	9.0	9.8	10.1	9.9	10.2	10.9	10.7	11.3
90°	2.7	4.6	6.5	8.4	10.0	11.4	12.8	14.2	15.6	16.5	17.3
92.5°	15.6	15.4	15.2	15.1	15.3	16.0	16.7	17.4	18.1	18.5	19.0
95°	44.9	39.2	33.5	27.8	25.5	26.7	28.0	29.2	30.4	31.2	32.1
97.5°	84.4	68.3	52.2	36.1	29.4	32.3	35.1	37.8	40.7	41.3	42.1
100°	114.1	90.4	66.8	43.0	32.6	35.5	38.5	41.5	44.4	45.8	47.2
102.5°	174.0	169.0	164.0	158.9	144.1	119.5	94.9	70.3	45.7	47.5	49.2
105°	242.1	247.2	252.4	257.6	236.6	189.3	142.0	94.8	47.5	49.4	51.4
107.5°	307.0	311.1	315.3	319.5	293.3	236.6	179.9	123.2	66.5	64.6	62.6
110°	348.8	352.4	356.0	359.6	336.5	286.4	236.4	186.4	136.3	119.0	101.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	388.2	391.4	394.7	397.9	393.3	381.0	368.6	356.2	343.9	280.7	217.5
115°	450.9	453.9	456.8	459.7	463.3	467.7	472.0	476.4	480.7	400.5	320.3
117.5°	507.5	510.8	514.0	517.4	520.5	523.5	526.4	529.5	532.4	513.0	493.6
120°	548.0	550.5	553.1	555.7	558.6	561.7	564.8	567.9	571.0	573.2	575.2
122.5°	582.9	585.7	588.4	591.2	594.3	597.6	601.0	604.4	607.8	609.0	610.3
125°	635.6	637.9	640.1	642.4	645.1	648.4	651.8	655.0	658.3	659.5	660.7
127.5°	684.0	686.5	689.0	691.5	694.0	696.4	698.9	701.3	703.8	705.6	707.4
130°	714.9	717.6	720.3	723.1	725.5	727.3	729.3	731.2	733.1	735.0	736.9
132.5°	745.6	748.0	750.2	752.6	754.7	756.7	758.6	760.4	762.4	764.0	765.6
135°	786.5	789.3	792.1	794.8	797.0	798.5	800.1	801.6	803.2	804.9	806.7
137.5°	826.6	828.6	830.5	832.4	834.3	836.1	837.8	839.6	841.4	843.1	844.7
140°	852.9	854.3	855.7	857.0	858.7	860.5	862.5	864.4	866.3	867.9	869.4
142.5°	875.1	876.4	877.7	878.9	880.6	882.8	885.0	887.2	889.3	890.8	892.2
145°	909.0	908.8	908.7	908.5	909.9	912.8	915.7	918.7	921.6	922.8	924.1
147.5°	939.1	938.5	937.8	937.2	938.3	941.3	944.1	947.1	950.0	950.9	951.8
150°	958.5	957.3	956.2	955.0	955.7	958.5	961.2	964.0	966.8	967.8	968.9
152.5°	975.3	973.9	972.6	971.2	971.8	974.4	977.1	979.7	982.4	983.4	984.5
155°	999.5	997.9	996.4	994.8	995.1	997.2	999.2	1001.4	1003.4	1004.4	1005.5
157.5°	1019.0	1017.6	1016.3	1015.0	1015.0	1016.5	1018.0	1019.4	1020.8	1022.1	1023.2
160°	1030.5	1029.4	1028.3	1027.3	1027.3	1028.3	1029.4	1030.5	1031.4	1032.5	1033.6
162.5°	1040.4	1039.3	1038.3	1037.3	1037.2	1038.1	1039.0	1039.9	1040.8	1042.0	1043.2
165°	1053.8	1052.7	1051.7	1050.7	1050.4	1050.9	1051.4	1052.0	1052.5	1053.7	1054.9
167.5°	1063.7	1062.7	1061.7	1060.6	1060.4	1060.9	1061.4	1061.8	1062.3	1063.5	1064.7
170°	1069.3	1068.4	1067.3	1066.2	1065.9	1066.2	1066.6	1067.0	1067.3	1068.5	1069.8
172.5°	1073.1	1072.0	1071.1	1070.0	1069.7	1070.0	1070.3	1070.7	1071.1	1072.3	1073.4
175°	1077.7	1076.5	1075.4	1074.2	1073.7	1074.1	1074.4	1074.7	1075.1	1076.3	1077.5
177.5°	1078.8	1077.8	1076.8	1075.9	1075.5	1075.6	1075.7	1075.9	1076.0	1077.0	1078.0
180°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9	1556.9
2.5°	1611.4	1617.1	1619.6	1619.6	1622.7	1621.4	1620.1
5°	1704.1	1714.3	1716.4	1726.2	1733.2	1731.0	1732.2
7.5°	1796.1	1812.7	1829.0	1836.5	1837.6	1841.9	1843.6
10°	1852.8	1866.3	1891.7	1887.9	1906.9	1917.7	1899.8
12.5°	1907.3	1925.6	1943.3	1948.1	1958.8	1962.3	1955.3
15°	1956.6	1966.4	1967.5	1964.8	1968.0	1965.3	1955.0
17.5°	1910.6	1894.8	1862.7	1847.5	1835.6	1817.9	1810.7
20°	1834.4	1787.9	1733.7	1712.1	1686.7	1637.0	1648.9
22.5°	1670.0	1616.9	1562.8	1499.7	1469.5	1422.3	1419.4
25°	1414.1	1322.7	1222.1	1151.7	1110.6	1063.6	1042.9
27.5°	1099.4	984.3	901.9	860.1	822.1	784.8	783.3
30°	892.6	806.0	742.2	706.5	683.2	667.6	670.8
32.5°	752.4	693.1	650.0	620.4	603.2	591.3	591.2
35°	615.1	574.5	546.9	534.4	522.0	513.4	513.9
37.5°	526.4	502.0	486.7	472.9	465.1	460.9	458.5
40°	480.9	460.9	449.0	440.9	434.4	428.4	427.4
42.5°	445.0	428.4	416.5	410.2	404.1	399.9	398.8
45°	394.9	381.4	370.6	363.5	360.9	357.0	357.0
47.5°	351.3	338.0	329.5	325.1	320.5	318.0	317.9
50°	321.9	311.6	304.0	301.3	297.5	295.9	295.4
52.5°	295.5	287.8	282.4	280.5	278.9	276.9	277.2
55°	259.7	255.4	253.2	251.5	248.8	245.6	247.8
57.5°	229.5	225.8	220.0	214.8	212.4	210.1	211.0
60°	208.3	200.7	193.1	187.2	185.6	180.7	180.7
62.5°	181.4	170.8	161.5	158.2	156.5	154.3	153.8
65°	139.6	135.3	133.1	130.9	129.8	129.8	128.7
67.5°	115.7	113.9	111.5	111.0	109.9	109.6	109.3
70°	102.2	100.0	99.0	98.5	97.3	97.9	96.3
72.5°	89.3	87.6	87.3	85.9	85.3	85.4	84.1
75°	70.4	70.4	69.8	69.2	68.2	67.6	68.2
77.5°	54.1	54.2	53.2	53.2	53.0	53.2	52.6
80°	43.3	43.8	43.3	42.7	42.2	42.7	42.2
82.5°	34.2	33.4	33.3	33.2	33.1	32.8	32.7
85°	19.5	20.0	19.5	18.9	18.9	18.9	19.5
87.5°	11.0	11.2	11.3	11.3	11.4	11.5	11.2
90°	18.2	19.1	19.6	20.0	20.3	20.7	21.0
92.5°	19.4	19.9	20.2	20.4	20.6	20.8	21.0
95°	33.0	33.8	34.2	34.0	33.8	33.7	33.5
97.5°	42.7	43.5	43.9	44.1	44.3	44.5	44.7
100°	48.6	50.0	50.8	51.1	51.5	51.9	52.2
102.5°	51.0	52.8	54.0	54.5	55.0	55.4	55.9
105°	53.2	55.1	56.4	57.2	57.8	58.5	59.2
107.5°	60.7	58.8	58.1	58.9	59.5	60.3	60.9
110°	84.4	67.1	58.8	59.4	60.2	60.8	61.6



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	154.4	91.2	59.9	60.5	61.1	61.6	62.2
115°	240.2	160.0	113.7	101.3	88.8	76.3	63.9
117.5°	474.3	454.9	424.7	383.7	342.8	301.8	260.8
120°	577.2	579.4	568.7	545.4	522.0	498.6	475.2
122.5°	611.6	612.8	611.1	606.6	602.1	597.5	593.0
125°	661.9	663.2	664.0	664.6	665.0	665.5	666.1
127.5°	709.1	710.9	711.8	711.9	712.0	712.1	712.2
130°	738.8	740.7	741.6	741.4	741.2	741.0	740.9
132.5°	767.3	768.9	769.6	769.4	769.2	769.1	768.9
135°	808.4	810.1	810.8	810.5	810.1	809.8	809.4
137.5°	846.4	848.2	848.7	848.2	847.5	846.9	846.4
140°	871.0	872.5	872.9	872.0	871.1	870.3	869.4
142.5°	893.6	895.0	895.3	894.5	893.6	892.8	891.9
145°	925.3	926.4	926.7	925.8	924.9	924.1	923.2
147.5°	952.7	953.6	953.7	952.9	952.2	951.5	950.7
150°	969.9	970.9	971.0	970.2	969.3	968.4	967.6
152.5°	985.5	986.5	986.5	985.4	984.2	983.1	981.9
155°	1006.5	1007.5	1007.4	1006.0	1004.6	1003.2	1001.8
157.5°	1024.4	1025.6	1025.5	1024.1	1022.8	1021.4	1020.1
160°	1034.5	1035.6	1035.5	1034.3	1033.1	1031.9	1030.7
162.5°	1044.3	1045.5	1045.4	1043.8	1042.4	1040.9	1039.4
165°	1056.1	1057.4	1057.4	1056.1	1054.9	1053.7	1052.5
167.5°	1065.9	1067.1	1067.0	1065.4	1063.9	1062.3	1060.8
170°	1070.9	1072.1	1072.0	1070.4	1068.9	1067.3	1065.8
172.5°	1074.6	1075.9	1075.7	1074.2	1072.6	1071.1	1069.5
175°	1078.7	1079.9	1079.7	1077.9	1076.2	1074.5	1072.8
177.5°	1078.9	1079.9	1079.8	1078.5	1077.3	1076.0	1074.8
180°	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6	1076.6

(END OF REPORT)