

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: P332186-927

Luminaire Tested: **S123DIW-S1000D755U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332186-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIW-S1000D755U927-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 755 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5753.2 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.37 / 1.23 / 1.49
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')
CIE Type: General Diffuse

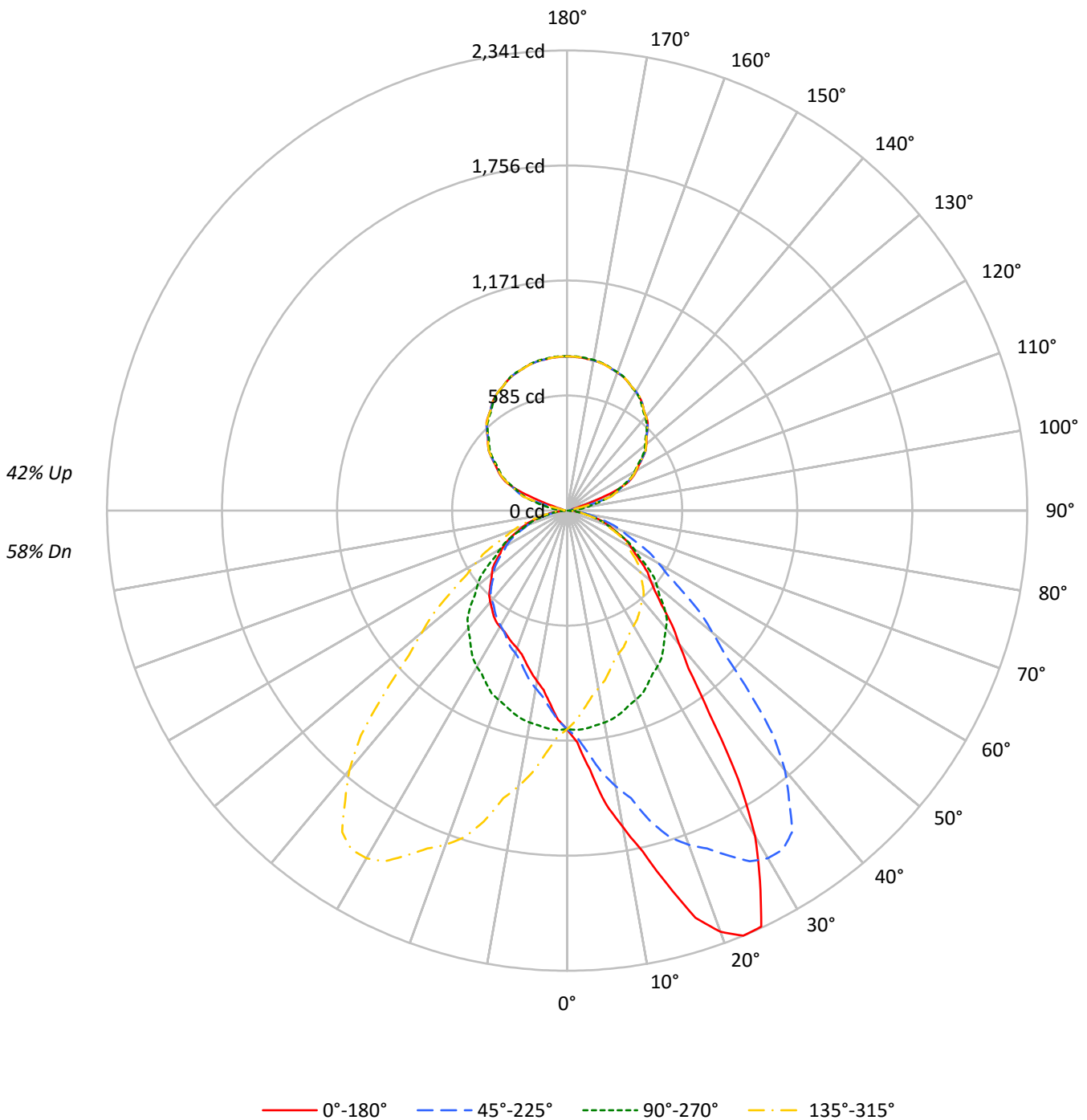
Input Watts (W): 53.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50
2	91	84	78	73	85	79	73	69	68	64	61	59	56	54	50	48	46	42
3	83	74	67	61	78	69	63	58	61	56	52	53	49	46	45	42	40	36
4	77	66	58	52	71	62	55	49	54	49	44	47	43	39	40	37	35	31
5	70	59	51	45	65	55	48	42	48	43	38	42	38	34	36	33	30	27
6	65	53	45	39	60	50	42	37	44	38	34	38	34	30	33	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	31	26	33	28	24	29	25	21	26	22	19	17
10	49	36	29	24	45	34	28	23	31	25	21	27	23	19	24	20	17	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11976	11976	11976	11976
5°	14282	12028	10659	12028
10°	17876	11967	9627	11967
15°	21926	11870	8963	11870
20°	26120	11720	8534	11720
25°	27736	11537	8438	11537
30°	23772	11404	8483	11404
35°	16533	11213	8571	11213
40°	12452	10991	8545	10991
45°	10339	10660	8435	10660
50°	9262	9984	8359	9984
55°	8659	9256	8255	9256
60°	8122	8495	8170	8495
65°	7636	7743	7908	7743
70°	7160	6889	7531	6889
75°	6413	6030	6904	6030
80°	5610	4947	5945	4947
85°	4397	3594	3989	3594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	1.9
10°-20°	351.5	6.1
20°-30°	589.8	10.3
30°-40°	667.9	11.6
40°-50°	598.9	10.4
50°-60°	483.3	8.4
60°-70°	336.8	5.9
70°-80°	177.0	3.1
80°-90°	45.5	0.8
90°-100°	28.5	0.5
100°-110°	136.0	2.4
110°-120°	326.6	5.7
120°-130°	415.9	7.2
130°-140°	444.3	7.7
140°-150°	415.5	7.2
150°-160°	335.2	5.8
160°-170°	216.3	3.8
170°-180°	74.5	1.3
0°-30°	1050.9	18.3
0°-40°	1718.8	29.9
0°-60°	2801.1	48.7
0°-90°	3360.4	58.4
90°-120°	491.1	8.5
90°-150°	1766.8	30.7
90°-180°	2393.0	41.6
0°-180°	5753.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1113	1113	1113	1113	1113	
5°	1322	1113	986	1113	1322	137
15°	1968	1065	804	1065	1968	568
25°	2335	971	710	971	2335	1024
35°	1258	853	652	853	1258	817
45°	679	700	554	700	679	537
55°	461	493	440	493	461	414
65°	300	304	310	304	300	298
75°	154	145	166	145	154	165
85°	36	29	32	29	36	43
90°	18	1	18	1	18	10
95°	22	36	22	36	22	19
105°	26	174	26	174	26	59
115°	343	326	343	326	343	317
125°	469	459	469	459	469	419
135°	578	572	578	572	578	445
145°	666	660	666	660	666	416
155°	726	727	726	727	726	335
165°	765	767	765	767	765	216
175°	782	785	782	785	782	74
180°	785	785	785	785	785	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1180.7	1180.0	1177.7	1179.5	1176.1	1171.3	1170.8	1166.6	1154.1	1153.2	1149.8
5°	1321.8	1317.5	1316.9	1316.4	1308.8	1298.6	1279.2	1277.6	1251.7	1238.8	1223.1
7.5°	1504.4	1506.7	1498.8	1491.9	1468.9	1453.7	1432.8	1406.2	1374.4	1342.2	1320.7
10°	1635.5	1653.4	1631.3	1616.1	1602.1	1575.7	1545.0	1506.7	1468.5	1423.7	1389.7
12.5°	1776.2	1784.9	1780.4	1766.2	1744.5	1704.2	1649.8	1607.7	1572.4	1497.9	1467.8
15°	1967.6	2000.5	1979.5	1930.9	1932.1	1893.8	1822.6	1744.5	1703.0	1637.7	1548.8
17.5°	2171.6	2175.7	2166.8	2126.3	2099.4	2046.8	1981.1	1906.1	1822.1	1743.1	1648.8
20°	2280.3	2277.0	2258.2	2237.1	2190.8	2149.8	2078.1	1994.6	1886.7	1809.1	1706.2
22.5°	2340.7	2335.3	2326.3	2308.7	2270.2	2226.2	2161.8	2070.4	1967.9	1860.9	1741.9
25°	2335.3	2342.2	2343.4	2338.5	2325.1	2298.6	2247.9	2175.2	2072.7	1935.3	1811.3
27.5°	2123.9	2133.9	2162.7	2188.2	2216.8	2245.9	2242.0	2205.9	2130.1	2011.4	1859.8
30°	1912.6	1891.1	1944.4	2011.8	2057.6	2138.5	2183.8	2186.5	2143.9	2042.0	1894.3
32.5°	1619.4	1643.1	1666.7	1749.6	1849.7	1940.5	2030.7	2103.2	2111.6	2043.8	1914.5
35°	1258.2	1287.9	1330.9	1374.1	1481.9	1574.6	1733.1	1871.1	1981.1	1995.7	1916.4
37.5°	1013.9	1028.6	1055.8	1099.1	1169.6	1279.5	1402.2	1576.6	1735.9	1854.4	1859.6
40°	886.2	890.6	921.3	954.2	1011.3	1101.8	1212.4	1366.5	1557.4	1722.9	1791.9
42.5°	790.5	799.9	813.0	844.6	890.1	958.2	1061.0	1188.4	1363.3	1553.8	1688.8
45°	679.2	690.0	698.1	719.1	751.5	797.3	869.0	985.4	1118.6	1315.3	1497.0
47.5°	605.7	606.6	612.6	628.4	650.5	684.8	735.5	810.3	932.6	1092.2	1278.7
50°	553.1	561.7	563.9	576.2	593.5	618.9	660.9	724.5	824.8	965.0	1136.4
52.5°	516.0	518.6	524.7	533.6	548.7	568.4	604.8	654.7	733.3	852.8	1010.4
55°	461.4	461.4	467.4	474.4	483.0	500.8	525.1	561.7	621.5	714.3	844.7
57.5°	411.0	413.7	417.9	420.0	427.4	439.1	459.4	487.2	531.9	603.2	706.9
60°	377.3	382.2	381.7	386.0	392.4	401.6	418.8	441.5	481.4	538.5	625.9
62.5°	348.0	347.7	347.6	352.8	359.3	368.0	379.2	398.8	432.7	483.3	557.7
65°	299.8	298.7	302.5	305.6	307.8	314.3	322.9	340.2	362.8	400.5	458.2
67.5°	256.8	253.7	255.7	256.8	260.5	265.5	273.6	284.3	302.3	332.6	376.0
70°	227.5	224.8	224.3	225.3	228.5	232.3	238.3	248.5	265.2	289.5	321.3
72.5°	197.3	195.4	195.4	197.7	199.2	201.7	205.9	215.3	228.5	246.8	276.5
75°	154.2	154.2	154.2	154.7	156.3	158.5	161.7	166.6	176.8	189.7	209.7
77.5°	115.6	115.5	114.8	114.7	117.1	118.0	118.8	123.3	129.0	137.8	152.3
80°	90.5	87.9	89.0	90.5	91.7	92.2	93.8	94.9	99.7	104.6	114.8
82.5°	67.3	65.0	65.2	67.7	67.9	68.4	70.1	71.6	73.4	77.9	83.3
85°	35.6	35.6	36.1	36.1	36.7	36.1	37.7	38.3	38.3	41.0	44.2
87.5°	16.4	15.5	15.9	16.3	15.8	16.2	16.5	16.8	17.1	17.4	17.6
90°	17.5	17.2	17.0	16.7	16.5	16.1	15.5	15.1	14.5	14.0	12.3
92.5°	19.3	19.2	19.0	18.9	18.7	18.2	17.4	16.6	15.8	14.9	13.6
95°	22.2	22.2	22.2	22.2	22.2	21.7	20.8	19.9	19.0	18.1	16.6
97.5°	24.0	23.9	23.8	23.6	23.5	22.9	21.9	20.8	19.8	18.8	28.1
100°	24.5	24.3	24.2	24.1	24.0	23.4	22.3	21.3	20.3	19.3	39.5
102.5°	25.0	24.7	24.5	24.2	24.0	25.5	28.8	31.9	35.2	38.3	60.4
105°	25.7	25.4	25.1	24.9	24.6	36.0	58.9	81.8	104.7	127.7	139.3
107.5°	80.6	97.8	115.1	132.4	149.7	166.8	183.5	200.3	217.1	234.0	232.2
110°	160.3	178.8	197.3	215.9	234.4	245.8	250.1	254.4	258.6	262.9	261.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	275.0	278.9	282.9	286.8	290.7	292.6	292.6	292.5	292.4	292.3	290.9
115°	342.8	342.2	341.7	341.2	340.7	339.8	338.5	337.2	335.9	334.6	333.4
117.5°	380.8	380.6	380.6	380.5	380.3	379.8	378.7	377.7	376.7	375.7	375.0
120°	406.9	406.9	406.9	406.9	406.9	406.4	405.4	404.3	403.3	402.2	401.9
122.5°	432.5	432.5	432.3	432.2	432.1	431.7	430.9	430.2	429.5	428.8	428.3
125°	468.7	468.4	468.2	467.9	467.6	467.4	467.1	466.8	466.6	466.4	465.8
127.5°	503.4	503.7	503.9	504.2	504.5	504.4	504.0	503.6	503.1	502.7	502.1
130°	525.8	526.1	526.3	526.6	526.9	526.7	526.2	525.7	525.1	524.7	524.1
132.5°	546.3	546.7	547.1	547.4	547.8	547.7	547.2	546.7	546.1	545.7	545.2
135°	577.7	578.1	578.5	578.8	579.2	579.2	578.8	578.5	578.1	577.7	577.2
137.5°	607.2	607.4	607.7	608.0	608.2	608.1	607.4	606.8	606.2	605.5	605.3
140°	624.9	625.2	625.4	625.7	626.0	625.8	625.3	624.8	624.2	623.8	623.4
142.5°	641.2	641.6	642.0	642.3	642.7	642.6	642.2	641.8	641.4	641.0	640.6
145°	666.3	666.3	666.3	666.3	666.3	666.1	665.9	665.7	665.4	665.1	664.9
147.5°	684.9	685.6	686.1	686.7	687.3	687.5	687.2	687.0	686.7	686.4	686.2
150°	698.9	699.3	699.7	700.1	700.5	700.5	700.3	700.1	699.8	699.5	699.3
152.5°	710.1	710.7	711.3	711.9	712.5	712.6	712.1	711.6	711.1	710.7	710.6
155°	725.7	726.5	727.3	728.1	728.9	729.0	728.3	727.6	727.0	726.4	726.2
157.5°	738.9	740.0	740.9	742.0	743.0	743.1	742.3	741.6	740.8	740.0	740.1
160°	747.3	748.2	749.2	750.0	751.0	751.0	750.3	749.5	748.7	747.9	748.1
162.5°	755.3	756.1	756.9	757.6	758.4	758.4	757.6	756.7	755.8	754.9	755.0
165°	764.8	765.7	766.6	767.5	768.4	768.3	767.3	766.3	765.2	764.2	764.4
167.5°	771.7	772.7	773.7	774.8	775.9	775.9	774.8	773.7	772.7	771.7	771.7
170°	775.9	776.9	777.9	779.0	780.1	780.1	779.0	777.9	776.9	775.9	775.9
172.5°	778.2	779.3	780.5	781.6	782.8	782.8	781.8	780.8	779.7	778.7	778.6
175°	781.7	782.8	783.8	784.8	785.8	785.9	785.1	784.1	783.2	782.3	782.2
177.5°	782.8	783.8	784.8	785.8	786.9	787.0	786.2	785.4	784.5	783.7	783.6
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1147.2	1143.7	1140.3	1134.2	1129.0	1121.7	1119.5	1117.0	1109.2	1102.3	1097.1
5°	1217.2	1204.3	1185.4	1168.2	1154.1	1135.3	1124.5	1113.2	1097.0	1082.4	1070.6
7.5°	1290.5	1265.1	1235.8	1204.0	1174.6	1146.1	1123.1	1102.6	1080.0	1058.5	1041.8
10°	1348.8	1312.1	1271.1	1226.9	1189.2	1152.5	1121.8	1094.9	1065.7	1040.4	1019.4
12.5°	1415.2	1360.8	1304.3	1250.6	1206.0	1155.2	1117.9	1083.6	1050.7	1020.2	996.6
15°	1493.7	1424.7	1358.0	1284.0	1216.2	1152.5	1108.3	1065.2	1026.9	995.7	965.5
17.5°	1565.4	1487.2	1399.1	1309.3	1227.3	1151.9	1090.0	1041.2	993.4	955.1	925.0
20°	1605.9	1516.9	1417.2	1324.0	1233.4	1149.3	1081.4	1023.2	971.4	931.0	897.0
22.5°	1640.8	1536.8	1433.6	1333.9	1233.0	1142.4	1065.4	1005.5	949.4	909.8	873.7
25°	1677.0	1552.5	1449.1	1332.1	1219.4	1125.6	1039.3	971.4	915.4	869.0	831.8
27.5°	1708.1	1551.5	1428.6	1302.8	1198.0	1104.0	1011.9	939.1	879.6	829.2	791.5
30°	1728.8	1553.6	1407.5	1283.0	1177.3	1080.3	990.8	917.5	855.0	803.7	768.2
32.5°	1741.8	1552.3	1388.1	1255.4	1144.5	1058.8	968.0	892.1	827.8	777.4	743.1
35°	1749.3	1542.9	1354.7	1198.3	1091.6	1008.1	932.1	853.3	786.0	739.1	700.3
37.5°	1734.2	1522.9	1315.9	1143.4	1026.5	944.2	880.3	813.3	748.8	697.1	663.7
40°	1710.5	1510.0	1285.7	1104.5	981.7	902.4	848.0	782.2	718.6	669.6	638.3
42.5°	1665.2	1483.6	1252.5	1061.4	935.1	855.8	805.7	750.8	690.5	644.5	613.2
45°	1554.7	1426.4	1202.7	996.7	866.3	784.3	740.1	700.3	645.8	601.0	574.1
47.5°	1401.4	1340.2	1130.7	928.5	794.5	715.7	669.7	637.6	597.9	561.7	535.8
50°	1294.8	1269.6	1081.9	881.9	746.6	669.6	625.3	596.2	567.7	531.6	507.8
52.5°	1172.0	1187.6	1025.0	833.6	697.9	622.1	580.5	557.4	531.4	501.8	481.1
55°	998.9	1055.5	926.7	752.6	625.3	553.1	513.7	493.2	478.2	456.1	438.2
57.5°	836.9	908.9	820.4	669.0	554.1	491.7	454.0	431.7	422.0	410.4	396.4
60°	740.7	811.8	744.5	612.9	506.2	446.9	413.4	394.6	384.9	376.8	365.0
62.5°	654.9	726.9	670.3	556.0	459.1	404.2	375.1	356.6	349.1	344.9	334.8
65°	536.9	598.9	561.2	467.4	391.9	343.4	317.0	304.0	297.1	295.4	288.9
67.5°	437.0	484.2	456.7	387.7	328.3	286.4	264.0	252.9	247.6	247.0	242.2
70°	371.5	415.7	394.6	332.1	280.8	248.0	228.5	218.9	215.6	215.1	212.4
72.5°	320.5	351.3	334.6	282.5	242.9	213.0	198.8	188.7	185.0	185.8	183.9
75°	237.2	260.4	250.6	214.5	182.8	163.3	151.5	145.0	141.8	143.4	141.2
77.5°	170.6	185.4	176.6	151.6	132.0	118.0	109.2	105.2	102.3	102.2	101.2
80°	128.8	137.4	132.6	117.5	101.3	89.5	82.5	79.8	78.2	77.6	77.1
82.5°	91.7	99.1	93.4	83.0	72.0	64.9	60.9	57.4	56.2	56.5	55.9
85°	46.3	49.0	46.9	40.4	36.1	32.9	30.7	29.1	28.0	28.6	27.5
87.5°	18.1	18.1	16.6	14.5	13.4	11.9	11.6	10.5	9.9	10.1	10.0
90°	10.6	9.0	7.3	5.8	4.4	3.2	1.9	0.6	1.9	3.2	4.4
92.5°	12.4	11.1	9.8	9.4	9.7	10.1	10.5	10.9	10.5	10.1	9.7
95°	15.2	13.8	12.4	14.3	19.6	25.0	30.3	35.6	30.3	25.0	19.6
97.5°	37.4	46.7	56.1	61.9	64.3	66.7	69.1	71.5	69.1	66.7	64.3
100°	59.7	79.9	100.1	108.8	106.3	103.7	101.1	98.5	101.1	103.7	106.3
102.5°	82.5	104.6	126.7	136.7	134.9	133.0	131.2	129.3	131.2	133.0	134.9
105°	151.0	162.6	174.3	179.4	178.0	176.6	175.2	173.7	175.2	176.6	178.0
107.5°	230.3	228.5	226.6	225.1	224.0	222.8	221.7	220.5	221.7	222.8	224.0
110°	260.1	258.6	257.2	256.0	254.9	253.9	252.9	251.8	252.9	253.9	254.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	289.5	288.0	286.6	285.4	284.5	283.5	282.6	281.7	282.6	283.5	284.5
115°	332.2	331.1	329.9	329.0	328.2	327.4	326.6	325.8	326.6	327.4	328.2
117.5°	374.5	373.8	373.3	372.5	371.5	370.6	369.6	368.7	369.6	370.6	371.5
120°	401.5	401.1	400.7	399.9	398.7	397.6	396.4	395.2	396.4	397.6	398.7
122.5°	427.9	427.3	426.8	426.1	425.2	424.2	423.3	422.3	423.3	424.2	425.2
125°	465.3	464.8	464.3	463.5	462.5	461.4	460.4	459.4	460.4	461.4	462.5
127.5°	501.5	500.9	500.3	499.4	498.4	497.3	496.3	495.3	496.3	497.3	498.4
130°	523.6	523.1	522.6	521.8	520.8	519.8	518.7	517.6	518.7	519.8	520.8
132.5°	544.8	544.4	544.0	543.3	542.2	541.1	540.1	539.1	540.1	541.1	542.2
135°	576.6	576.2	575.6	575.0	574.2	573.4	572.7	571.9	572.7	573.4	574.2
137.5°	605.0	604.7	604.4	603.8	602.8	601.8	600.8	599.8	600.8	601.8	602.8
140°	623.0	622.6	622.2	621.6	620.8	620.0	619.2	618.5	619.2	620.0	620.8
142.5°	640.2	639.8	639.4	638.9	638.1	637.3	636.5	635.7	636.5	637.3	638.1
145°	664.6	664.3	664.1	663.5	662.6	661.7	660.8	659.9	660.8	661.7	662.6
147.5°	686.0	685.7	685.4	685.0	684.4	683.8	683.2	682.6	683.2	683.8	684.4
150°	699.0	698.8	698.5	698.2	697.8	697.4	697.0	696.6	697.0	697.4	697.8
152.5°	710.4	710.3	710.1	710.0	709.7	709.6	709.4	709.2	709.4	709.6	709.7
155°	726.1	726.0	725.8	725.9	726.1	726.4	726.7	726.9	726.7	726.4	726.1
157.5°	740.2	740.4	740.5	740.6	740.6	740.6	740.7	740.7	740.7	740.6	740.6
160°	748.1	748.3	748.5	748.5	748.7	748.8	748.9	749.1	748.9	748.8	748.7
162.5°	755.2	755.3	755.4	755.7	756.0	756.3	756.7	757.0	756.7	756.3	756.0
165°	764.5	764.6	764.8	765.0	765.4	765.8	766.2	766.6	766.2	765.8	765.4
167.5°	771.7	771.7	771.7	772.0	772.5	773.0	773.5	774.0	773.5	773.0	772.5
170°	775.9	775.9	775.9	776.2	776.7	777.2	777.7	778.2	777.7	777.2	776.7
172.5°	778.5	778.4	778.2	778.6	779.2	779.7	780.4	781.0	780.4	779.7	779.2
175°	782.0	781.9	781.8	782.0	782.7	783.3	783.9	784.7	783.9	783.3	782.7
177.5°	783.5	783.4	783.3	783.5	784.0	784.5	785.1	785.5	785.1	784.5	784.0
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1094.1	1091.1	1086.8	1080.3	1075.1	1066.9	1066.9	1068.3	1068.3	1067.8	1066.9
5°	1060.9	1052.8	1043.1	1031.8	1019.9	1008.1	1005.9	1001.6	998.4	996.2	993.5
7.5°	1025.9	1011.5	997.4	981.5	967.1	955.1	946.8	939.9	935.5	930.7	927.3
10°	1002.1	984.4	967.7	950.9	932.6	918.1	908.9	902.4	897.5	893.3	891.1
12.5°	974.1	953.7	935.3	919.4	899.4	884.4	875.7	872.7	867.0	857.9	853.1
15°	933.1	914.3	892.2	867.9	858.2	839.9	829.7	824.8	821.6	814.5	812.4
17.5°	898.1	873.4	848.6	830.5	812.5	797.6	791.9	785.8	781.6	775.9	774.1
20°	870.1	848.0	825.3	805.9	787.0	770.9	766.0	761.7	757.4	754.7	752.6
22.5°	841.6	819.5	800.7	782.6	762.5	751.9	746.6	741.9	738.9	737.0	734.8
25°	801.6	782.2	761.2	745.0	728.8	721.8	718.6	715.9	713.8	711.1	710.5
27.5°	765.8	744.7	727.6	712.6	700.9	695.1	692.0	690.6	691.1	692.1	692.7
30°	739.1	719.7	705.7	692.7	681.9	676.5	676.0	676.0	678.2	678.7	679.8
32.5°	714.5	698.5	684.5	672.0	663.8	660.1	662.2	662.2	663.9	665.4	667.3
35°	678.7	664.6	653.9	643.1	636.1	637.7	638.8	639.8	642.5	645.8	648.0
37.5°	644.5	632.3	621.2	612.7	609.5	612.4	615.0	617.3	620.4	622.8	625.0
40°	620.0	610.8	600.0	592.5	593.5	595.2	597.3	600.0	602.7	604.3	606.5
42.5°	597.1	587.5	579.3	573.1	574.6	576.6	577.9	579.3	582.4	585.3	586.6
45°	562.3	554.7	547.2	543.4	544.5	545.6	546.6	548.3	551.0	553.1	553.7
47.5°	523.1	517.8	512.8	509.1	510.8	510.4	511.8	515.2	516.1	517.4	520.4
50°	498.1	493.2	487.4	486.2	486.2	486.2	486.8	491.1	491.1	493.2	495.4
52.5°	470.5	467.4	463.6	461.7	460.8	460.8	463.0	465.2	466.1	469.1	471.3
55°	429.7	426.4	423.2	421.5	420.5	421.5	425.9	426.9	429.7	431.3	432.8
57.5°	387.1	384.6	382.0	381.1	380.9	382.3	384.7	387.9	388.6	393.6	396.0
60°	359.0	355.2	353.1	353.1	352.0	356.9	355.8	361.2	362.3	365.5	369.2
62.5°	330.1	325.0	324.2	324.2	325.7	327.1	328.6	331.0	333.8	337.9	340.8
65°	283.5	280.8	284.6	284.1	283.0	286.2	286.2	288.9	292.2	296.0	301.9
67.5°	239.5	238.1	238.4	238.4	240.0	241.9	243.4	245.7	249.6	253.6	257.5
70°	209.7	211.4	208.7	210.8	212.4	212.9	214.0	217.2	221.6	224.3	228.5
72.5°	180.8	180.7	181.0	181.9	183.5	184.5	185.5	189.3	193.9	196.2	199.7
75°	139.1	138.6	140.1	140.1	142.8	143.9	145.0	146.6	150.9	154.2	156.9
77.5°	101.6	102.2	101.9	103.7	103.0	103.1	106.5	108.1	108.6	114.9	116.4
80°	76.5	77.6	78.2	78.7	79.2	78.2	81.9	83.6	83.6	87.3	90.0
82.5°	55.0	55.6	57.0	57.6	57.7	58.8	59.1	60.3	61.6	63.2	66.7
85°	27.5	29.1	29.6	29.1	29.6	28.6	30.2	30.7	31.3	31.3	31.3
87.5°	9.7	10.5	10.4	11.2	11.1	11.9	12.0	11.2	11.3	12.7	11.1
90°	5.8	7.3	9.0	10.6	12.3	14.0	14.5	15.1	15.5	16.1	16.5
92.5°	9.4	9.8	11.1	12.4	13.6	14.9	15.8	16.6	17.4	18.2	18.7
95°	14.3	12.4	13.8	15.2	16.6	18.1	19.0	19.9	20.8	21.7	22.2
97.5°	61.9	56.1	46.7	37.4	28.1	18.8	19.8	20.8	21.9	22.9	23.5
100°	108.8	100.1	79.9	59.7	39.5	19.3	20.3	21.3	22.3	23.4	24.0
102.5°	136.7	126.7	104.6	82.5	60.4	38.3	35.2	31.9	28.8	25.5	24.0
105°	179.4	174.3	162.6	151.0	139.3	127.7	104.7	81.8	58.9	36.0	24.6
107.5°	225.1	226.6	228.5	230.3	232.2	234.0	217.1	200.3	183.5	166.8	149.7
110°	256.0	257.2	258.6	260.1	261.5	262.9	258.6	254.4	250.1	245.8	234.4



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	285.4	286.6	288.0	289.5	290.9	292.3	292.4	292.5	292.6	292.6	290.7
115°	329.0	329.9	331.1	332.2	333.4	334.6	335.9	337.2	338.5	339.8	340.7
117.5°	372.5	373.3	373.8	374.5	375.0	375.7	376.7	377.7	378.7	379.8	380.3
120°	399.9	400.7	401.1	401.5	401.9	402.2	403.3	404.3	405.4	406.4	406.9
122.5°	426.1	426.8	427.3	427.9	428.3	428.8	429.5	430.2	430.9	431.7	432.1
125°	463.5	464.3	464.8	465.3	465.8	466.4	466.6	466.8	467.1	467.4	467.6
127.5°	499.4	500.3	500.9	501.5	502.1	502.7	503.1	503.6	504.0	504.4	504.5
130°	521.8	522.6	523.1	523.6	524.1	524.7	525.1	525.7	526.2	526.7	526.9
132.5°	543.3	544.0	544.4	544.8	545.2	545.7	546.1	546.7	547.2	547.7	547.8
135°	575.0	575.6	576.2	576.6	577.2	577.7	578.1	578.5	578.8	579.2	579.2
137.5°	603.8	604.4	604.7	605.0	605.3	605.5	606.2	606.8	607.4	608.1	608.2
140°	621.6	622.2	622.6	623.0	623.4	623.8	624.2	624.8	625.3	625.8	626.0
142.5°	638.9	639.4	639.8	640.2	640.6	641.0	641.4	641.8	642.2	642.6	642.7
145°	663.5	664.1	664.3	664.6	664.9	665.1	665.4	665.7	665.9	666.1	666.3
147.5°	685.0	685.4	685.7	686.0	686.2	686.4	686.7	687.0	687.2	687.5	687.3
150°	698.2	698.5	698.8	699.0	699.3	699.5	699.8	700.1	700.3	700.5	700.5
152.5°	710.0	710.1	710.3	710.4	710.6	710.7	711.1	711.6	712.1	712.6	712.5
155°	725.9	725.8	726.0	726.1	726.2	726.4	727.0	727.6	728.3	729.0	728.9
157.5°	740.6	740.5	740.4	740.2	740.1	740.0	740.8	741.6	742.3	743.1	743.0
160°	748.5	748.5	748.3	748.1	748.1	747.9	748.7	749.5	750.3	751.0	751.0
162.5°	755.7	755.4	755.3	755.2	755.0	754.9	755.8	756.7	757.6	758.4	758.4
165°	765.0	764.8	764.6	764.5	764.4	764.2	765.2	766.3	767.3	768.3	768.4
167.5°	772.0	771.7	771.7	771.7	771.7	771.7	772.7	773.7	774.8	775.9	775.9
170°	776.2	775.9	775.9	775.9	775.9	775.9	776.9	777.9	779.0	780.1	780.1
172.5°	778.6	778.2	778.4	778.5	778.6	778.7	779.7	780.8	781.8	782.8	782.8
175°	782.0	781.8	781.9	782.0	782.2	782.3	783.2	784.1	785.1	785.9	785.8
177.5°	783.5	783.3	783.4	783.5	783.6	783.7	784.5	785.4	786.2	787.0	786.9
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1063.9	1063.5	1066.5	1064.4	1066.5	1063.5	1063.9	1066.9	1067.8	1068.3	1068.3
5°	990.3	991.9	986.5	986.5	986.5	991.9	990.3	993.5	996.2	998.4	1001.6
7.5°	924.7	922.3	922.6	919.6	922.6	922.3	924.7	927.3	930.7	935.5	939.9
10°	884.6	881.4	880.3	880.8	880.3	881.4	884.6	891.1	893.3	897.5	902.4
12.5°	851.4	850.8	843.7	843.8	843.7	850.8	851.4	853.1	857.9	867.0	872.7
15°	812.4	802.2	801.1	804.3	801.1	802.2	812.4	812.4	814.5	821.6	824.8
17.5°	773.2	767.9	768.2	766.6	768.2	767.9	773.2	774.1	775.9	781.6	785.8
20°	752.6	749.3	748.8	745.0	748.8	749.3	752.6	752.6	754.7	757.4	761.7
22.5°	733.6	732.5	732.8	728.6	732.8	732.5	733.6	734.8	737.0	738.9	741.9
25°	710.0	712.6	710.5	710.5	710.5	712.6	710.0	710.5	711.1	713.8	715.9
27.5°	694.0	693.9	692.8	692.8	692.8	693.9	694.0	692.7	692.1	691.1	690.6
30°	681.9	681.4	682.5	682.5	682.5	681.4	681.9	679.8	678.7	678.2	676.0
32.5°	669.9	670.6	670.8	671.2	670.8	670.6	669.9	667.3	665.4	663.9	662.2
35°	651.2	651.7	653.4	652.3	653.4	651.7	651.2	648.0	645.8	642.5	639.8
37.5°	626.0	628.4	627.9	628.8	627.9	628.4	626.0	625.0	622.8	620.4	617.3
40°	607.0	608.6	608.1	608.1	608.1	608.6	607.0	606.5	604.3	602.7	600.0
42.5°	587.6	588.7	587.4	586.5	587.4	588.7	587.6	586.6	585.3	582.4	579.3
45°	555.8	554.7	556.3	554.1	556.3	554.7	555.8	553.7	553.1	551.0	548.3
47.5°	520.2	521.3	521.7	523.3	521.7	521.3	520.2	520.4	517.4	516.1	515.2
50°	496.5	499.7	499.7	499.2	499.7	499.7	496.5	495.4	493.2	491.1	491.1
52.5°	473.2	474.7	476.9	476.7	476.9	474.7	473.2	471.3	469.1	466.1	465.2
55°	437.2	438.2	439.3	439.9	439.3	438.2	437.2	432.8	431.3	429.7	426.9
57.5°	399.9	399.4	402.0	402.8	402.0	399.4	399.9	396.0	393.6	388.6	387.9
60°	373.6	373.6	377.9	379.5	377.9	373.6	373.6	369.2	365.5	362.3	361.2
62.5°	345.5	347.3	351.6	349.4	351.6	347.3	345.5	340.8	337.9	333.8	331.0
65°	304.6	308.9	308.3	310.5	308.3	308.9	304.6	301.9	296.0	292.2	288.9
67.5°	261.7	264.4	268.3	268.7	268.3	264.4	261.7	257.5	253.6	249.6	245.7
70°	232.9	235.6	237.7	239.3	237.7	235.6	232.9	228.5	224.3	221.6	217.2
72.5°	204.9	206.3	211.4	209.1	211.4	206.3	204.9	199.7	196.2	193.9	189.3
75°	160.7	164.4	167.6	166.0	167.6	164.4	160.7	156.9	154.2	150.9	146.6
77.5°	118.8	122.6	124.1	122.7	124.1	122.6	118.8	116.4	114.9	108.6	108.1
80°	93.8	93.2	96.5	95.9	96.5	93.2	93.8	90.0	87.3	83.6	83.6
82.5°	68.8	68.3	69.8	70.1	69.8	68.3	68.8	66.7	63.2	61.6	60.3
85°	33.4	35.0	32.9	32.3	32.9	35.0	33.4	31.3	31.3	31.3	30.7
87.5°	11.1	11.2	10.8	10.4	10.8	11.2	11.1	11.1	12.7	11.3	11.2
90°	16.7	17.0	17.2	17.5	17.2	17.0	16.7	16.5	16.1	15.5	15.1
92.5°	18.9	19.0	19.2	19.3	19.2	19.0	18.9	18.7	18.2	17.4	16.6
95°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.7	20.8	19.9
97.5°	23.6	23.8	23.9	24.0	23.9	23.8	23.6	23.5	22.9	21.9	20.8
100°	24.1	24.2	24.3	24.5	24.3	24.2	24.1	24.0	23.4	22.3	21.3
102.5°	24.2	24.5	24.7	25.0	24.7	24.5	24.2	24.0	25.5	28.8	31.9
105°	24.9	25.1	25.4	25.7	25.4	25.1	24.9	24.6	36.0	58.9	81.8
107.5°	132.4	115.1	97.8	80.6	97.8	115.1	132.4	149.7	166.8	183.5	200.3
110°	215.9	197.3	178.8	160.3	178.8	197.3	215.9	234.4	245.8	250.1	254.4



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	286.8	282.9	278.9	275.0	278.9	282.9	286.8	290.7	292.6	292.6	292.5
115°	341.2	341.7	342.2	342.8	342.2	341.7	341.2	340.7	339.8	338.5	337.2
117.5°	380.5	380.6	380.6	380.8	380.6	380.6	380.5	380.3	379.8	378.7	377.7
120°	406.9	406.9	406.9	406.9	406.9	406.9	406.9	406.9	406.4	405.4	404.3
122.5°	432.2	432.3	432.5	432.5	432.5	432.3	432.2	432.1	431.7	430.9	430.2
125°	467.9	468.2	468.4	468.7	468.4	468.2	467.9	467.6	467.4	467.1	466.8
127.5°	504.2	503.9	503.7	503.4	503.7	503.9	504.2	504.5	504.4	504.0	503.6
130°	526.6	526.3	526.1	525.8	526.1	526.3	526.6	526.9	526.7	526.2	525.7
132.5°	547.4	547.1	546.7	546.3	546.7	547.1	547.4	547.8	547.7	547.2	546.7
135°	578.8	578.5	578.1	577.7	578.1	578.5	578.8	579.2	579.2	578.8	578.5
137.5°	608.0	607.7	607.4	607.2	607.4	607.7	608.0	608.2	608.1	607.4	606.8
140°	625.7	625.4	625.2	624.9	625.2	625.4	625.7	626.0	625.8	625.3	624.8
142.5°	642.3	642.0	641.6	641.2	641.6	642.0	642.3	642.7	642.6	642.2	641.8
145°	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.1	665.9	665.7
147.5°	686.7	686.1	685.6	684.9	685.6	686.1	686.7	687.3	687.5	687.2	687.0
150°	700.1	699.7	699.3	698.9	699.3	699.7	700.1	700.5	700.5	700.3	700.1
152.5°	711.9	711.3	710.7	710.1	710.7	711.3	711.9	712.5	712.6	712.1	711.6
155°	728.1	727.3	726.5	725.7	726.5	727.3	728.1	728.9	729.0	728.3	727.6
157.5°	742.0	740.9	740.0	738.9	740.0	740.9	742.0	743.0	743.1	742.3	741.6
160°	750.0	749.2	748.2	747.3	748.2	749.2	750.0	751.0	751.0	750.3	749.5
162.5°	757.6	756.9	756.1	755.3	756.1	756.9	757.6	758.4	758.4	757.6	756.7
165°	767.5	766.6	765.7	764.8	765.7	766.6	767.5	768.4	768.3	767.3	766.3
167.5°	774.8	773.7	772.7	771.7	772.7	773.7	774.8	775.9	775.9	774.8	773.7
170°	779.0	777.9	776.9	775.9	776.9	777.9	779.0	780.1	780.1	779.0	777.9
172.5°	781.6	780.5	779.3	778.2	779.3	780.5	781.6	782.8	782.8	781.8	780.8
175°	784.8	783.8	782.8	781.7	782.8	783.8	784.8	785.8	785.9	785.1	784.1
177.5°	785.8	784.8	783.8	782.8	783.8	784.8	785.8	786.9	787.0	786.2	785.4
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332186-927

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1066.9	1066.9	1075.1	1080.3	1086.8	1091.1	1094.1	1097.1	1102.3	1109.2	1117.0
5°	1005.9	1008.1	1019.9	1031.8	1043.1	1052.8	1060.9	1070.6	1082.4	1097.0	1113.2
7.5°	946.8	955.1	967.1	981.5	997.4	1011.5	1025.9	1041.8	1058.5	1080.0	1102.6
10°	908.9	918.1	932.6	950.9	967.7	984.4	1002.1	1019.4	1040.4	1065.7	1094.9
12.5°	875.7	884.4	899.4	919.4	935.3	953.7	974.1	996.6	1020.2	1050.7	1083.6
15°	829.7	839.9	858.2	867.9	892.2	914.3	933.1	965.5	995.7	1026.9	1065.2
17.5°	791.9	797.6	812.5	830.5	848.6	873.4	898.1	925.0	955.1	993.4	1041.2
20°	766.0	770.9	787.0	805.9	825.3	848.0	870.1	897.0	931.0	971.4	1023.2
22.5°	746.6	751.9	762.5	782.6	800.7	819.5	841.6	873.7	909.8	949.4	1005.5
25°	718.6	721.8	728.8	745.0	761.2	782.2	801.6	831.8	869.0	915.4	971.4
27.5°	692.0	695.1	700.9	712.6	727.6	744.7	765.8	791.5	829.2	879.6	939.1
30°	676.0	676.5	681.9	692.7	705.7	719.7	739.1	768.2	803.7	855.0	917.5
32.5°	662.2	660.1	663.8	672.0	684.5	698.5	714.5	743.1	777.4	827.8	892.1
35°	638.8	637.7	636.1	643.1	653.9	664.6	678.7	700.3	739.1	786.0	853.3
37.5°	615.0	612.4	609.5	612.7	621.2	632.3	644.5	663.7	697.1	748.8	813.3
40°	597.3	595.2	593.5	592.5	600.0	610.8	620.0	638.3	669.6	718.6	782.2
42.5°	577.9	576.6	574.6	573.1	579.3	587.5	597.1	613.2	644.5	690.5	750.8
45°	546.6	545.6	544.5	543.4	547.2	554.7	562.3	574.1	601.0	645.8	700.3
47.5°	511.8	510.4	510.8	509.1	512.8	517.8	523.1	535.8	561.7	597.9	637.6
50°	486.8	486.2	486.2	486.2	487.4	493.2	498.1	507.8	531.6	567.7	596.2
52.5°	463.0	460.8	460.8	461.7	463.6	467.4	470.5	481.1	501.8	531.4	557.4
55°	425.9	421.5	420.5	421.5	423.2	426.4	429.7	438.2	456.1	478.2	493.2
57.5°	384.7	382.3	380.9	381.1	382.0	384.6	387.1	396.4	410.4	422.0	431.7
60°	355.8	356.9	352.0	353.1	353.1	355.2	359.0	365.0	376.8	384.9	394.6
62.5°	328.6	327.1	325.7	324.2	324.2	325.0	330.1	334.8	344.9	349.1	356.6
65°	286.2	286.2	283.0	284.1	284.6	280.8	283.5	288.9	295.4	297.1	304.0
67.5°	243.4	241.9	240.0	238.4	238.4	238.1	239.5	242.2	247.0	247.6	252.9
70°	214.0	212.9	212.4	210.8	208.7	211.4	209.7	212.4	215.1	215.6	218.9
72.5°	185.5	184.5	183.5	181.9	181.0	180.7	180.8	183.9	185.8	185.0	188.7
75°	145.0	143.9	142.8	140.1	140.1	138.6	139.1	141.2	143.4	141.8	145.0
77.5°	106.5	103.1	103.0	103.7	101.9	102.2	101.6	101.2	102.2	102.3	105.2
80°	81.9	78.2	79.2	78.7	78.2	77.6	76.5	77.1	77.6	78.2	79.8
82.5°	59.1	58.8	57.7	57.6	57.0	55.6	55.0	55.9	56.5	56.2	57.4
85°	30.2	28.6	29.6	29.1	29.6	29.1	27.5	27.5	28.6	28.0	29.1
87.5°	12.0	11.9	11.1	11.2	10.4	10.5	9.7	10.0	10.1	9.9	10.5
90°	14.5	14.0	12.3	10.6	9.0	7.3	5.8	4.4	3.2	1.9	0.6
92.5°	15.8	14.9	13.6	12.4	11.1	9.8	9.4	9.7	10.1	10.5	10.9
95°	19.0	18.1	16.6	15.2	13.8	12.4	14.3	19.6	25.0	30.3	35.6
97.5°	19.8	18.8	28.1	37.4	46.7	56.1	61.9	64.3	66.7	69.1	71.5
100°	20.3	19.3	39.5	59.7	79.9	100.1	108.8	106.3	103.7	101.1	98.5
102.5°	35.2	38.3	60.4	82.5	104.6	126.7	136.7	134.9	133.0	131.2	129.3
105°	104.7	127.7	139.3	151.0	162.6	174.3	179.4	178.0	176.6	175.2	173.7
107.5°	217.1	234.0	232.2	230.3	228.5	226.6	225.1	224.0	222.8	221.7	220.5
110°	258.6	262.9	261.5	260.1	258.6	257.2	256.0	254.9	253.9	252.9	251.8



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	292.4	292.3	290.9	289.5	288.0	286.6	285.4	284.5	283.5	282.6	281.7
115°	335.9	334.6	333.4	332.2	331.1	329.9	329.0	328.2	327.4	326.6	325.8
117.5°	376.7	375.7	375.0	374.5	373.8	373.3	372.5	371.5	370.6	369.6	368.7
120°	403.3	402.2	401.9	401.5	401.1	400.7	399.9	398.7	397.6	396.4	395.2
122.5°	429.5	428.8	428.3	427.9	427.3	426.8	426.1	425.2	424.2	423.3	422.3
125°	466.6	466.4	465.8	465.3	464.8	464.3	463.5	462.5	461.4	460.4	459.4
127.5°	503.1	502.7	502.1	501.5	500.9	500.3	499.4	498.4	497.3	496.3	495.3
130°	525.1	524.7	524.1	523.6	523.1	522.6	521.8	520.8	519.8	518.7	517.6
132.5°	546.1	545.7	545.2	544.8	544.4	544.0	543.3	542.2	541.1	540.1	539.1
135°	578.1	577.7	577.2	576.6	576.2	575.6	575.0	574.2	573.4	572.7	571.9
137.5°	606.2	605.5	605.3	605.0	604.7	604.4	603.8	602.8	601.8	600.8	599.8
140°	624.2	623.8	623.4	623.0	622.6	622.2	621.6	620.8	620.0	619.2	618.5
142.5°	641.4	641.0	640.6	640.2	639.8	639.4	638.9	638.1	637.3	636.5	635.7
145°	665.4	665.1	664.9	664.6	664.3	664.1	663.5	662.6	661.7	660.8	659.9
147.5°	686.7	686.4	686.2	686.0	685.7	685.4	685.0	684.4	683.8	683.2	682.6
150°	699.8	699.5	699.3	699.0	698.8	698.5	698.2	697.8	697.4	697.0	696.6
152.5°	711.1	710.7	710.6	710.4	710.3	710.1	710.0	709.7	709.6	709.4	709.2
155°	727.0	726.4	726.2	726.1	726.0	725.8	725.9	726.1	726.4	726.7	726.9
157.5°	740.8	740.0	740.1	740.2	740.4	740.5	740.6	740.6	740.6	740.7	740.7
160°	748.7	747.9	748.1	748.1	748.3	748.5	748.5	748.7	748.8	748.9	749.1
162.5°	755.8	754.9	755.0	755.2	755.3	755.4	755.7	756.0	756.3	756.7	757.0
165°	765.2	764.2	764.4	764.5	764.6	764.8	765.0	765.4	765.8	766.2	766.6
167.5°	772.7	771.7	771.7	771.7	771.7	771.7	772.0	772.5	773.0	773.5	774.0
170°	776.9	775.9	775.9	775.9	775.9	775.9	776.2	776.7	777.2	777.7	778.2
172.5°	779.7	778.7	778.6	778.5	778.4	778.2	778.6	779.2	779.7	780.4	781.0
175°	783.2	782.3	782.2	782.0	781.9	781.8	782.0	782.7	783.3	783.9	784.7
177.5°	784.5	783.7	783.6	783.5	783.4	783.3	783.5	784.0	784.5	785.1	785.5
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



TEST NUMBER: P332186-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1119.5	1121.7	1129.0	1134.2	1140.3	1143.7	1147.2	1149.8	1153.2	1154.1	1166.6
5°	1124.5	1135.3	1154.1	1168.2	1185.4	1204.3	1217.2	1223.1	1238.8	1251.7	1277.6
7.5°	1123.1	1146.1	1174.6	1204.0	1235.8	1265.1	1290.5	1320.7	1342.2	1374.4	1406.2
10°	1121.8	1152.5	1189.2	1226.9	1271.1	1312.1	1348.8	1389.7	1423.7	1468.5	1506.7
12.5°	1117.9	1155.2	1206.0	1250.6	1304.3	1360.8	1415.2	1467.8	1497.9	1572.4	1607.7
15°	1108.3	1152.5	1216.2	1284.0	1358.0	1424.7	1493.7	1548.8	1637.7	1703.0	1744.5
17.5°	1090.0	1151.9	1227.3	1309.3	1399.1	1487.2	1565.4	1648.8	1743.1	1822.1	1906.1
20°	1081.4	1149.3	1233.4	1324.0	1417.2	1516.9	1605.9	1706.2	1809.1	1886.7	1994.6
22.5°	1065.4	1142.4	1233.0	1333.9	1433.6	1536.8	1640.8	1741.9	1860.9	1967.9	2070.4
25°	1039.3	1125.6	1219.4	1332.1	1449.1	1552.5	1677.0	1811.3	1935.3	2072.7	2175.2
27.5°	1011.9	1104.0	1198.0	1302.8	1428.6	1551.5	1708.1	1859.8	2011.4	2130.1	2205.9
30°	990.8	1080.3	1177.3	1283.0	1407.5	1553.6	1728.8	1894.3	2042.0	2143.9	2186.5
32.5°	968.0	1058.8	1144.5	1255.4	1388.1	1552.3	1741.8	1914.5	2043.8	2111.6	2103.2
35°	932.1	1008.1	1091.6	1198.3	1354.7	1542.9	1749.3	1916.4	1995.7	1981.1	1871.1
37.5°	880.3	944.2	1026.5	1143.4	1315.9	1522.9	1734.2	1859.6	1854.4	1735.9	1576.6
40°	848.0	902.4	981.7	1104.5	1285.7	1510.0	1710.5	1791.9	1722.9	1557.4	1366.5
42.5°	805.7	855.8	935.1	1061.4	1252.5	1483.6	1665.2	1688.8	1553.8	1363.3	1188.4
45°	740.1	784.3	866.3	996.7	1202.7	1426.4	1554.7	1497.0	1315.3	1118.6	985.4
47.5°	669.7	715.7	794.5	928.5	1130.7	1340.2	1401.4	1278.7	1092.2	932.6	810.3
50°	625.3	669.6	746.6	881.9	1081.9	1269.6	1294.8	1136.4	965.0	824.8	724.5
52.5°	580.5	622.1	697.9	833.6	1025.0	1187.6	1172.0	1010.4	852.8	733.3	654.7
55°	513.7	553.1	625.3	752.6	926.7	1055.5	998.9	844.7	714.3	621.5	561.7
57.5°	454.0	491.7	554.1	669.0	820.4	908.9	836.9	706.9	603.2	531.9	487.2
60°	413.4	446.9	506.2	612.9	744.5	811.8	740.7	625.9	538.5	481.4	441.5
62.5°	375.1	404.2	459.1	556.0	670.3	726.9	654.9	557.7	483.3	432.7	398.8
65°	317.0	343.4	391.9	467.4	561.2	598.9	536.9	458.2	400.5	362.8	340.2
67.5°	264.0	286.4	328.3	387.7	456.7	484.2	437.0	376.0	332.6	302.3	284.3
70°	228.5	248.0	280.8	332.1	394.6	415.7	371.5	321.3	289.5	265.2	248.5
72.5°	198.8	213.0	242.9	282.5	334.6	351.3	320.5	276.5	246.8	228.5	215.3
75°	151.5	163.3	182.8	214.5	250.6	260.4	237.2	209.7	189.7	176.8	166.6
77.5°	109.2	118.0	132.0	151.6	176.6	185.4	170.6	152.3	137.8	129.0	123.3
80°	82.5	89.5	101.3	117.5	132.6	137.4	128.8	114.8	104.6	99.7	94.9
82.5°	60.9	64.9	72.0	83.0	93.4	99.1	91.7	83.3	77.9	73.4	71.6
85°	30.7	32.9	36.1	40.4	46.9	49.0	46.3	44.2	41.0	38.3	38.3
87.5°	11.6	11.9	13.4	14.5	16.6	18.1	18.1	17.6	17.4	17.1	16.8
90°	1.9	3.2	4.4	5.8	7.3	9.0	10.6	12.3	14.0	14.5	15.1
92.5°	10.5	10.1	9.7	9.4	9.8	11.1	12.4	13.6	14.9	15.8	16.6
95°	30.3	25.0	19.6	14.3	12.4	13.8	15.2	16.6	18.1	19.0	19.9
97.5°	69.1	66.7	64.3	61.9	56.1	46.7	37.4	28.1	18.8	19.8	20.8
100°	101.1	103.7	106.3	108.8	100.1	79.9	59.7	39.5	19.3	20.3	21.3
102.5°	131.2	133.0	134.9	136.7	126.7	104.6	82.5	60.4	38.3	35.2	31.9
105°	175.2	176.6	178.0	179.4	174.3	162.6	151.0	139.3	127.7	104.7	81.8
107.5°	221.7	222.8	224.0	225.1	226.6	228.5	230.3	232.2	234.0	217.1	200.3
110°	252.9	253.9	254.9	256.0	257.2	258.6	260.1	261.5	262.9	258.6	254.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	282.6	283.5	284.5	285.4	286.6	288.0	289.5	290.9	292.3	292.4	292.5
115°	326.6	327.4	328.2	329.0	329.9	331.1	332.2	333.4	334.6	335.9	337.2
117.5°	369.6	370.6	371.5	372.5	373.3	373.8	374.5	375.0	375.7	376.7	377.7
120°	396.4	397.6	398.7	399.9	400.7	401.1	401.5	401.9	402.2	403.3	404.3
122.5°	423.3	424.2	425.2	426.1	426.8	427.3	427.9	428.3	428.8	429.5	430.2
125°	460.4	461.4	462.5	463.5	464.3	464.8	465.3	465.8	466.4	466.6	466.8
127.5°	496.3	497.3	498.4	499.4	500.3	500.9	501.5	502.1	502.7	503.1	503.6
130°	518.7	519.8	520.8	521.8	522.6	523.1	523.6	524.1	524.7	525.1	525.7
132.5°	540.1	541.1	542.2	543.3	544.0	544.4	544.8	545.2	545.7	546.1	546.7
135°	572.7	573.4	574.2	575.0	575.6	576.2	576.6	577.2	577.7	578.1	578.5
137.5°	600.8	601.8	602.8	603.8	604.4	604.7	605.0	605.3	605.5	606.2	606.8
140°	619.2	620.0	620.8	621.6	622.2	622.6	623.0	623.4	623.8	624.2	624.8
142.5°	636.5	637.3	638.1	638.9	639.4	639.8	640.2	640.6	641.0	641.4	641.8
145°	660.8	661.7	662.6	663.5	664.1	664.3	664.6	664.9	665.1	665.4	665.7
147.5°	683.2	683.8	684.4	685.0	685.4	685.7	686.0	686.2	686.4	686.7	687.0
150°	697.0	697.4	697.8	698.2	698.5	698.8	699.0	699.3	699.5	699.8	700.1
152.5°	709.4	709.6	709.7	710.0	710.1	710.3	710.4	710.6	710.7	711.1	711.6
155°	726.7	726.4	726.1	725.9	725.8	726.0	726.1	726.2	726.4	727.0	727.6
157.5°	740.7	740.6	740.6	740.6	740.5	740.4	740.2	740.1	740.0	740.8	741.6
160°	748.9	748.8	748.7	748.5	748.5	748.3	748.1	748.1	747.9	748.7	749.5
162.5°	756.7	756.3	756.0	755.7	755.4	755.3	755.2	755.0	754.9	755.8	756.7
165°	766.2	765.8	765.4	765.0	764.8	764.6	764.5	764.4	764.2	765.2	766.3
167.5°	773.5	773.0	772.5	772.0	771.7	771.7	771.7	771.7	771.7	772.7	773.7
170°	777.7	777.2	776.7	776.2	775.9	775.9	775.9	775.9	775.9	776.9	777.9
172.5°	780.4	779.7	779.2	778.6	778.2	778.4	778.5	778.6	778.7	779.7	780.8
175°	783.9	783.3	782.7	782.0	781.8	781.9	782.0	782.2	782.3	783.2	784.1
177.5°	785.1	784.5	784.0	783.5	783.3	783.4	783.5	783.6	783.7	784.5	785.4
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7	784.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6	1112.6
2.5°	1170.8	1171.3	1176.1	1179.5	1177.7	1180.0	1180.7
5°	1279.2	1298.6	1308.8	1316.4	1316.9	1317.5	1321.8
7.5°	1432.8	1453.7	1468.9	1491.9	1498.8	1506.7	1504.4
10°	1545.0	1575.7	1602.1	1616.1	1631.3	1653.4	1635.5
12.5°	1649.8	1704.2	1744.5	1766.2	1780.4	1784.9	1776.2
15°	1822.6	1893.8	1932.1	1930.9	1979.5	2000.5	1967.6
17.5°	1981.1	2046.8	2099.4	2126.3	2166.8	2175.7	2171.6
20°	2078.1	2149.8	2190.8	2237.1	2258.2	2277.0	2280.3
22.5°	2161.8	2226.2	2270.2	2308.7	2326.3	2335.3	2340.7
25°	2247.9	2298.6	2325.1	2338.5	2343.4	2342.2	2335.3
27.5°	2242.0	2245.9	2216.8	2188.2	2162.7	2133.9	2123.9
30°	2183.8	2138.5	2057.6	2011.8	1944.4	1891.1	1912.6
32.5°	2030.7	1940.5	1849.7	1749.6	1666.7	1643.1	1619.4
35°	1733.1	1574.6	1481.9	1374.1	1330.9	1287.9	1258.2
37.5°	1402.2	1279.5	1169.6	1099.1	1055.8	1028.6	1013.9
40°	1212.4	1101.8	1011.3	954.2	921.3	890.6	886.2
42.5°	1061.0	958.2	890.1	844.6	813.0	799.9	790.5
45°	869.0	797.3	751.5	719.1	698.1	690.0	679.2
47.5°	735.5	684.8	650.5	628.4	612.6	606.6	605.7
50°	660.9	618.9	593.5	576.2	563.9	561.7	553.1
52.5°	604.8	568.4	548.7	533.6	524.7	518.6	516.0
55°	525.1	500.8	483.0	474.4	467.4	461.4	461.4
57.5°	459.4	439.1	427.4	420.0	417.9	413.7	411.0
60°	418.8	401.6	392.4	386.0	381.7	382.2	377.3
62.5°	379.2	368.0	359.3	352.8	347.6	347.7	348.0
65°	322.9	314.3	307.8	305.6	302.5	298.7	299.8
67.5°	273.6	265.5	260.5	256.8	255.7	253.7	256.8
70°	238.3	232.3	228.5	225.3	224.3	224.8	227.5
72.5°	205.9	201.7	199.2	197.7	195.4	195.4	197.3
75°	161.7	158.5	156.3	154.7	154.2	154.2	154.2
77.5°	118.8	118.0	117.1	114.7	114.8	115.5	115.6
80°	93.8	92.2	91.7	90.5	89.0	87.9	90.5
82.5°	70.1	68.4	67.9	67.7	65.2	65.0	67.3
85°	37.7	36.1	36.7	36.1	36.1	35.6	35.6
87.5°	16.5	16.2	15.8	16.3	15.9	15.5	16.4
90°	15.5	16.1	16.5	16.7	17.0	17.2	17.5
92.5°	17.4	18.2	18.7	18.9	19.0	19.2	19.3
95°	20.8	21.7	22.2	22.2	22.2	22.2	22.2
97.5°	21.9	22.9	23.5	23.6	23.8	23.9	24.0
100°	22.3	23.4	24.0	24.1	24.2	24.3	24.5
102.5°	28.8	25.5	24.0	24.2	24.5	24.7	25.0
105°	58.9	36.0	24.6	24.9	25.1	25.4	25.7
107.5°	183.5	166.8	149.7	132.4	115.1	97.8	80.6
110°	250.1	245.8	234.4	215.9	197.3	178.8	160.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	292.6	292.6	290.7	286.8	282.9	278.9	275.0
115°	338.5	339.8	340.7	341.2	341.7	342.2	342.8
117.5°	378.7	379.8	380.3	380.5	380.6	380.6	380.8
120°	405.4	406.4	406.9	406.9	406.9	406.9	406.9
122.5°	430.9	431.7	432.1	432.2	432.3	432.5	432.5
125°	467.1	467.4	467.6	467.9	468.2	468.4	468.7
127.5°	504.0	504.4	504.5	504.2	503.9	503.7	503.4
130°	526.2	526.7	526.9	526.6	526.3	526.1	525.8
132.5°	547.2	547.7	547.8	547.4	547.1	546.7	546.3
135°	578.8	579.2	579.2	578.8	578.5	578.1	577.7
137.5°	607.4	608.1	608.2	608.0	607.7	607.4	607.2
140°	625.3	625.8	626.0	625.7	625.4	625.2	624.9
142.5°	642.2	642.6	642.7	642.3	642.0	641.6	641.2
145°	665.9	666.1	666.3	666.3	666.3	666.3	666.3
147.5°	687.2	687.5	687.3	686.7	686.1	685.6	684.9
150°	700.3	700.5	700.5	700.1	699.7	699.3	698.9
152.5°	712.1	712.6	712.5	711.9	711.3	710.7	710.1
155°	728.3	729.0	728.9	728.1	727.3	726.5	725.7
157.5°	742.3	743.1	743.0	742.0	740.9	740.0	738.9
160°	750.3	751.0	751.0	750.0	749.2	748.2	747.3
162.5°	757.6	758.4	758.4	757.6	756.9	756.1	755.3
165°	767.3	768.3	768.4	767.5	766.6	765.7	764.8
167.5°	774.8	775.9	775.9	774.8	773.7	772.7	771.7
170°	779.0	780.1	780.1	779.0	777.9	776.9	775.9
172.5°	781.8	782.8	782.8	781.6	780.5	779.3	778.2
175°	785.1	785.9	785.8	784.8	783.8	782.8	781.7
177.5°	786.2	787.0	786.9	785.8	784.8	783.8	782.8
180°	784.7	784.7	784.7	784.7	784.7	784.7	784.7

(END OF REPORT)