

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: P331974-927

Luminaire Tested: **S123DIP-S775D805U927-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331974-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-9,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123DIP-S775D805U927-4F0-1E-UDD-A1  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 775 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 805 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4770.4 lumens  
Efficiency: N/A  
Efficacy: 103.9 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

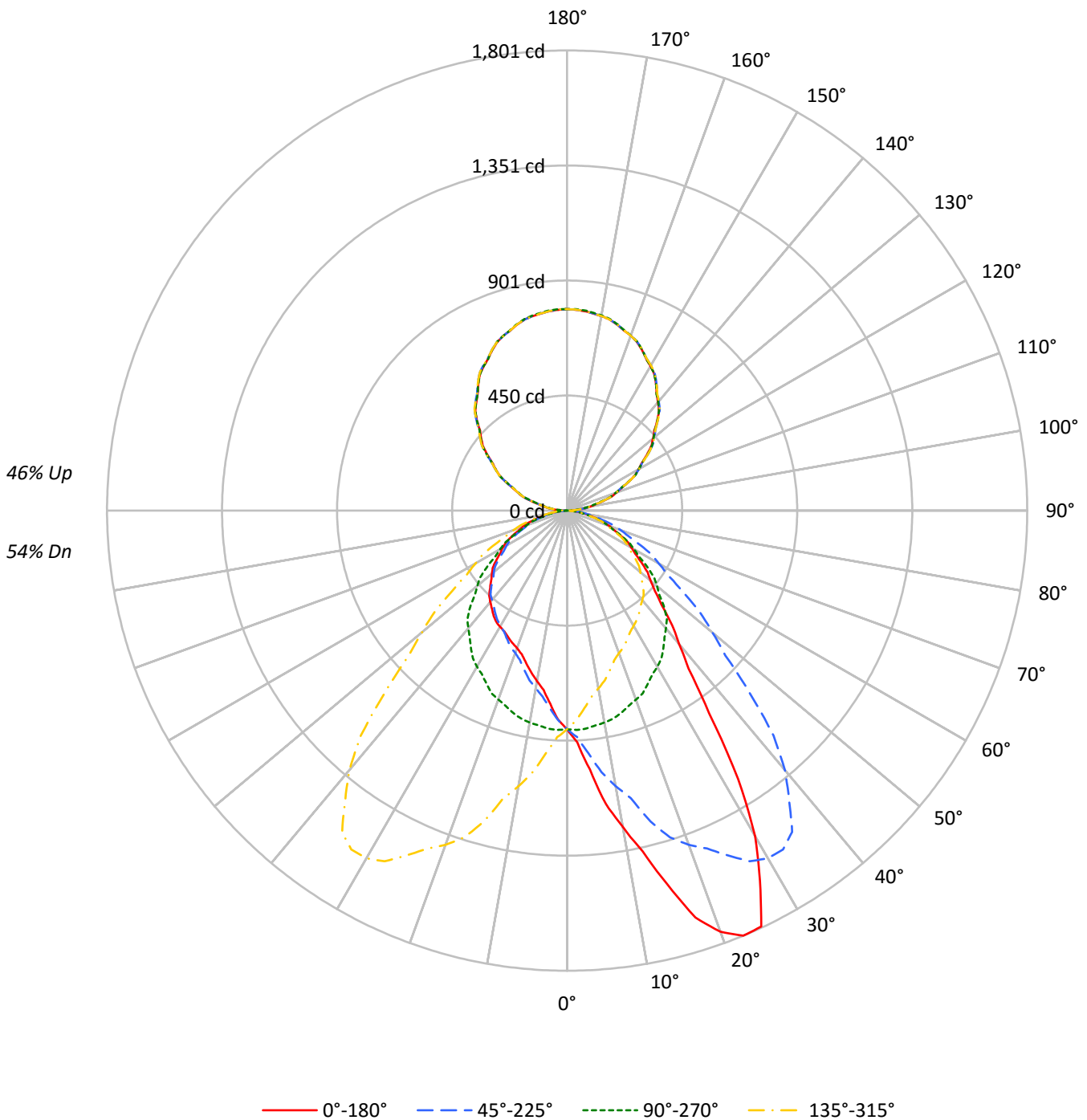
Input Watts (W): 45.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	73	71	64	62	61	53	52	51	46
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	47	45	44	39
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	37	33
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	32	29
5	70	58	50	44	64	54	47	42	47	41	37	40	36	33	34	31	28	25
6	64	52	44	38	59	49	42	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	33	29	25	28	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	18	22	19	16	14

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

	0°	90°	180°	270°
0°	9214	9214	9214	9214
5°	10988	9253	8200	9253
10°	13753	9206	7406	9206
15°	16868	9132	6896	9132
20°	20095	9016	6565	9016
25°	21338	8875	6492	8875
30°	18288	8772	6527	8772
35°	12720	8627	6594	8627
40°	9580	8455	6573	8455
45°	7954	8202	6491	8202
50°	7125	7681	6430	7681
55°	6662	7122	6351	7122
60°	6250	6536	6286	6536
65°	5873	5957	6082	5957
70°	5508	5297	5794	5297
75°	4932	4637	5311	4637
80°	4320	3806	4575	3806
85°	3384	2766	3075	2766



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.3	1.8
10°-20°	270.4	5.7
20°-30°	453.8	9.5
30°-40°	513.8	10.8
40°-50°	460.8	9.7
50°-60°	371.8	7.8
60°-70°	259.1	5.4
70°-80°	136.2	2.9
80°-90°	35.6	0.7
90°-100°	51.4	1.1
100°-110°	153.7	3.2
110°-120°	261.5	5.5
120°-130°	343.9	7.2
130°-140°	386.6	8.1
140°-150°	380.0	8.0
150°-160°	319.9	6.7
160°-170°	212.9	4.5
170°-180°	74.6	1.6
0°-30°	808.5	16.9
0°-40°	1322.3	27.7
0°-60°	2154.9	45.2
0°-90°	2585.9	54.2
90°-120°	466.6	9.8
90°-150°	1577.1	33.1
90°-180°	2185.0	45.8
0°-180°	4770.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	856	856	856	856	856	
5°	1017	856	759	856	1017	105
15°	1514	820	619	820	1514	437
25°	1797	747	547	747	1797	788
35°	968	656	502	656	968	629
45°	522	539	426	539	522	413
55°	355	380	338	380	355	319
65°	231	234	239	234	231	230
75°	119	112	128	112	119	127
85°	27	22	25	22	27	33
90°	19	1	19	1	19	10
95°	48	36	48	36	48	50
105°	147	139	147	139	147	156
115°	264	263	264	263	264	261
125°	381	385	381	385	381	341
135°	499	500	499	500	499	384
145°	606	606	606	606	606	378
155°	693	694	693	694	693	319
165°	754	756	754	756	754	213
175°	784	787	784	787	784	74
180°	788	788	788	788	788	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	908.4	907.8	906.1	907.4	904.8	901.1	900.8	897.5	887.8	887.2	884.6
5°	1016.9	1013.6	1013.2	1012.7	1006.9	999.1	984.1	982.9	963.0	953.0	941.0
7.5°	1157.4	1159.1	1153.1	1147.8	1130.0	1118.3	1102.3	1081.8	1057.4	1032.6	1016.1
10°	1258.3	1271.9	1255.0	1243.3	1232.6	1212.2	1188.6	1159.1	1129.7	1095.3	1069.1
12.5°	1366.4	1373.2	1369.8	1358.8	1342.0	1311.1	1269.2	1236.8	1209.7	1152.3	1129.2
15°	1513.7	1539.1	1522.9	1485.5	1486.4	1456.9	1402.2	1342.0	1310.1	1259.9	1191.5
17.5°	1670.6	1673.8	1666.9	1635.9	1615.1	1574.6	1524.1	1466.5	1401.8	1341.0	1268.4
20°	1754.3	1751.8	1737.3	1721.1	1685.4	1653.9	1598.8	1534.5	1451.5	1391.8	1312.6
22.5°	1800.7	1796.6	1789.7	1776.2	1746.4	1712.6	1663.1	1592.8	1513.9	1431.6	1340.1
25°	1796.6	1802.0	1802.8	1799.0	1788.7	1768.4	1729.4	1673.4	1594.6	1488.8	1393.4
27.5°	1634.0	1641.6	1663.8	1683.5	1705.4	1727.8	1724.8	1697.0	1638.7	1547.4	1430.8
30°	1471.4	1454.8	1495.9	1547.8	1583.0	1645.2	1680.1	1682.1	1649.3	1571.0	1457.3
32.5°	1245.8	1264.1	1282.2	1346.0	1423.1	1492.9	1562.3	1618.1	1624.4	1572.3	1472.9
35°	968.0	990.8	1024.0	1057.1	1140.1	1211.4	1333.3	1439.5	1524.1	1535.3	1474.3
37.5°	780.0	791.3	812.3	845.5	899.8	984.4	1078.7	1212.9	1335.5	1426.6	1430.6
40°	681.8	685.2	708.8	734.0	778.0	847.7	932.7	1051.3	1198.1	1325.5	1378.6
42.5°	608.2	615.4	625.5	649.7	684.8	737.2	816.3	914.3	1048.8	1195.4	1299.3
45°	522.5	530.8	537.1	553.3	578.1	613.4	668.5	758.1	860.5	1011.9	1151.7
47.5°	466.0	466.7	471.3	483.5	500.4	526.9	565.9	623.4	717.5	840.2	983.7
50°	425.5	432.1	433.8	443.3	456.6	476.1	508.4	557.4	634.5	742.4	874.3
52.5°	397.0	398.9	403.6	410.5	422.1	437.3	465.3	503.7	564.2	656.1	777.4
55°	355.0	355.0	359.6	365.0	371.6	385.2	403.9	432.1	478.2	549.5	649.9
57.5°	316.2	318.2	321.5	323.1	328.8	337.9	353.4	374.9	409.2	464.1	543.8
60°	290.3	294.1	293.7	296.9	301.9	309.0	322.3	339.7	370.3	414.3	481.5
62.5°	267.8	267.5	267.4	271.4	276.4	283.1	291.7	306.8	332.9	371.9	429.0
65°	230.6	229.7	232.7	235.1	236.8	241.8	248.4	261.7	279.1	308.2	352.5
67.5°	197.6	195.2	196.8	197.6	200.4	204.3	210.5	218.7	232.6	255.9	289.3
70°	175.0	172.9	172.5	173.3	175.9	178.7	183.3	191.2	204.1	222.7	247.2
72.5°	151.8	150.4	150.3	152.1	153.3	155.2	158.4	165.6	175.9	189.9	212.7
75°	118.6	118.6	118.6	119.0	120.3	121.9	124.5	128.2	136.0	146.0	161.3
77.5°	88.9	88.8	88.3	88.2	90.1	90.9	91.4	94.9	99.3	106.0	117.2
80°	69.7	67.6	68.4	69.7	70.5	70.9	72.2	73.0	76.8	80.5	88.3
82.5°	51.7	50.0	50.1	52.1	52.3	52.7	53.9	55.1	56.5	59.9	64.1
85°	27.4	27.4	27.8	27.8	28.2	27.8	29.0	29.5	29.5	31.5	34.0
87.5°	13.7	12.9	13.2	13.5	13.2	13.4	13.6	13.8	14.0	14.3	14.3
90°	18.6	18.3	18.1	17.7	17.5	17.0	16.5	16.0	15.4	14.9	13.1
92.5°	25.0	25.2	25.3	25.5	25.7	25.5	25.1	24.6	24.2	23.8	22.7
95°	48.3	48.3	48.3	48.3	48.3	48.0	47.5	46.9	46.4	45.9	44.8
97.5°	74.3	74.4	74.5	74.5	74.5	74.2	73.6	73.0	72.3	71.7	70.9
100°	94.1	93.9	93.6	93.3	93.1	92.7	92.3	91.9	91.5	91.0	90.4
102.5°	114.5	114.5	114.5	114.6	114.7	114.5	114.1	113.7	113.3	112.9	111.9
105°	147.4	147.1	146.9	146.6	146.3	146.2	146.2	146.2	146.2	146.2	145.0
107.5°	181.7	181.9	182.0	182.2	182.4	182.3	181.8	181.3	180.9	180.5	180.0
110°	205.0	205.3	205.6	205.8	206.1	206.0	205.4	204.9	204.3	203.7	203.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	229.8	229.8	229.9	230.0	230.0	229.7	229.0	228.4	227.8	227.0	227.0
115°	263.9	264.0	264.1	264.3	264.4	264.4	264.3	264.1	264.0	263.9	264.1
117.5°	298.4	298.8	299.2	299.6	299.9	300.2	300.2	300.2	300.2	300.2	300.6
120°	322.7	323.0	323.2	323.5	323.8	324.0	324.2	324.2	324.4	324.6	325.3
122.5°	345.9	346.3	346.7	347.1	347.5	347.9	348.2	348.6	349.0	349.4	349.7
125°	380.9	381.4	382.0	382.5	383.1	383.7	384.2	384.8	385.3	385.9	386.1
127.5°	415.7	416.4	417.0	417.6	418.3	419.0	419.7	420.5	421.3	422.0	422.3
130°	438.5	439.5	440.5	441.4	442.4	443.1	443.7	444.3	444.7	445.3	445.8
132.5°	462.3	463.0	463.7	464.5	465.2	466.0	466.6	467.3	467.9	468.6	468.9
135°	499.2	499.5	499.8	500.0	500.3	500.7	501.3	501.8	502.4	503.0	503.0
137.5°	531.8	532.3	532.8	533.4	533.9	534.4	535.0	535.6	536.1	536.7	536.4
140°	553.1	554.1	555.0	556.0	557.0	557.5	557.6	557.8	557.9	558.0	557.9
142.5°	574.9	575.6	576.4	577.1	577.9	578.3	578.5	578.6	578.7	578.8	578.6
145°	606.3	606.9	607.4	608.0	608.6	608.9	609.0	609.2	609.3	609.4	609.0
147.5°	634.4	635.2	636.0	636.8	637.6	638.1	638.1	638.1	638.1	638.1	637.7
150°	652.2	653.0	653.9	654.7	655.5	655.9	655.9	655.9	655.9	655.9	655.6
152.5°	669.6	670.3	671.0	671.7	672.4	672.6	672.4	672.2	672.0	671.8	671.6
155°	693.1	694.0	695.0	695.9	696.9	697.1	696.6	696.0	695.5	694.9	694.8
157.5°	714.5	715.3	716.1	716.8	717.6	717.6	717.1	716.5	716.0	715.3	715.3
160°	728.3	728.9	729.4	730.0	730.6	730.5	729.8	729.1	728.4	727.8	727.8
162.5°	738.8	739.7	740.5	741.4	742.3	742.4	741.7	741.0	740.3	739.7	739.5
165°	753.8	754.7	755.7	756.7	757.6	757.7	756.9	756.1	755.2	754.4	754.4
167.5°	766.5	767.4	768.3	769.1	769.9	769.9	769.1	768.3	767.4	766.5	766.4
170°	772.9	774.0	774.9	775.9	776.8	776.8	775.9	774.9	774.0	772.9	772.9
172.5°	777.9	778.9	779.8	780.8	781.8	781.8	781.0	780.1	779.3	778.4	778.4
175°	783.5	784.4	785.4	786.4	787.3	787.4	786.6	785.8	785.0	784.1	784.1
177.5°	786.5	787.3	788.0	788.8	789.6	789.6	788.9	788.3	787.6	787.0	787.0
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	882.5	879.9	877.2	872.6	868.6	862.9	861.3	859.3	853.3	848.0	844.1
5°	936.4	926.5	912.0	898.7	888.0	873.4	865.1	856.4	844.0	832.7	823.6
7.5°	992.8	973.3	950.7	926.3	903.6	881.7	864.0	848.3	830.8	814.4	801.5
10°	1037.6	1009.4	977.9	943.9	914.9	886.7	863.0	842.3	819.9	800.4	784.3
12.5°	1088.7	1046.9	1003.5	962.2	927.8	888.7	860.1	833.7	808.3	784.8	766.7
15°	1149.2	1096.1	1044.7	987.9	935.6	886.7	852.7	819.5	790.0	766.0	742.8
17.5°	1204.3	1144.1	1076.3	1007.3	944.2	886.2	838.6	801.1	764.2	734.8	711.7
20°	1235.5	1167.0	1090.3	1018.6	948.9	884.2	831.9	787.1	747.3	716.2	690.1
22.5°	1262.3	1182.3	1102.9	1026.2	948.6	878.8	819.7	773.6	730.4	700.0	672.2
25°	1290.2	1194.4	1114.8	1024.8	938.1	865.9	799.5	747.3	704.2	668.5	639.9
27.5°	1314.1	1193.6	1099.1	1002.3	921.7	849.4	778.5	722.5	676.7	637.9	608.9
30°	1330.0	1195.2	1082.8	987.1	905.8	831.1	762.2	705.8	657.7	618.4	591.0
32.5°	1340.0	1194.2	1067.9	965.8	880.5	814.5	744.7	686.3	636.8	598.1	571.7
35°	1345.8	1186.9	1042.2	921.9	839.8	775.5	717.1	656.5	604.7	568.5	538.8
37.5°	1334.2	1171.6	1012.3	879.6	789.7	726.4	677.2	625.7	576.1	536.3	510.6
40°	1315.9	1161.7	989.1	849.8	755.2	694.3	652.4	601.7	552.8	515.1	491.0
42.5°	1281.0	1141.4	963.5	816.6	719.4	658.4	619.9	577.6	531.2	495.8	471.8
45°	1196.0	1097.3	925.3	766.8	666.5	603.4	569.4	538.8	496.9	462.4	441.6
47.5°	1078.1	1031.1	869.8	714.3	611.2	550.6	515.2	490.5	459.9	432.1	412.3
50°	996.2	976.7	832.3	678.5	574.4	515.1	481.1	458.7	436.7	408.9	390.7
52.5°	901.6	913.6	788.5	641.4	536.9	478.6	446.6	428.8	408.8	386.0	370.1
55°	768.5	812.0	712.9	578.9	481.1	425.5	395.2	379.5	367.9	350.9	337.2
57.5°	643.8	699.3	631.1	514.7	426.3	378.3	349.3	332.1	324.6	315.8	305.0
60°	569.8	624.6	572.7	471.5	389.4	343.8	318.1	303.6	296.1	289.9	280.7
62.5°	503.8	559.2	515.6	427.8	353.2	310.9	288.6	274.4	268.5	265.3	257.5
65°	413.0	460.7	431.7	359.6	301.5	264.2	243.8	233.9	228.5	227.3	222.3
67.5°	336.2	372.5	351.3	298.3	252.5	220.3	203.0	194.6	190.4	190.0	186.3
70°	285.7	319.7	303.6	255.5	216.1	190.8	175.9	168.3	165.9	165.5	163.4
72.5°	246.6	270.3	257.5	217.3	186.9	163.9	153.0	145.1	142.4	142.9	141.5
75°	182.4	200.3	192.8	165.1	140.6	125.6	116.5	111.5	109.1	110.4	108.7
77.5°	131.3	142.6	135.9	116.6	101.6	90.7	84.1	81.0	78.7	78.7	77.9
80°	99.1	105.8	102.0	90.4	78.0	68.8	63.5	61.4	60.1	59.7	59.3
82.5°	70.6	76.2	71.9	63.8	55.4	49.9	46.9	44.1	43.3	43.5	43.0
85°	35.6	37.7	36.0	31.1	27.8	25.3	23.6	22.4	21.5	21.9	21.2
87.5°	14.5	14.5	13.2	11.5	10.5	9.3	9.0	8.1	7.7	8.0	7.9
90°	11.2	9.5	7.7	6.1	4.8	3.4	2.0	0.6	2.0	3.4	4.8
92.5°	21.8	20.8	19.7	18.7	17.8	16.9	15.9	15.0	15.9	16.9	17.8
95°	43.6	42.5	41.4	40.4	39.5	38.5	37.5	36.5	37.5	38.5	39.5
97.5°	70.1	69.3	68.5	67.8	67.0	66.3	65.6	64.9	65.6	66.3	67.0
100°	89.7	89.0	88.3	87.5	86.7	85.9	85.1	84.2	85.1	85.9	86.7
102.5°	111.1	110.1	109.2	108.5	108.1	107.5	107.0	106.5	107.0	107.5	108.1
105°	143.7	142.4	141.2	140.5	140.2	139.9	139.7	139.3	139.7	139.9	140.2
107.5°	179.5	179.0	178.5	178.2	178.0	177.8	177.7	177.5	177.7	177.8	178.0
110°	203.2	203.0	202.6	202.4	202.1	201.8	201.5	201.3	201.5	201.8	202.1





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	227.0	226.9	226.8	226.7	226.6	226.4	226.2	226.1	226.2	226.4	226.6
115°	264.4	264.7	265.0	264.9	264.4	264.0	263.6	263.2	263.6	264.0	264.4
117.5°	301.0	301.3	301.7	301.7	301.4	301.2	301.0	300.6	301.0	301.2	301.4
120°	325.9	326.6	327.3	327.3	326.4	325.6	324.7	323.9	324.7	325.6	326.4
122.5°	350.1	350.4	350.8	350.6	350.0	349.4	348.8	348.2	348.8	349.4	350.0
125°	386.4	386.7	387.0	386.9	386.5	386.0	385.6	385.2	385.6	386.0	386.5
127.5°	422.6	422.9	423.3	422.9	422.1	421.2	420.3	419.5	420.3	421.2	422.1
130°	446.2	446.6	446.9	446.6	445.5	444.4	443.3	442.2	443.3	444.4	445.5
132.5°	469.2	469.5	469.8	469.4	468.3	467.2	466.1	465.0	466.1	467.2	468.3
135°	503.2	503.4	503.5	503.1	502.3	501.5	500.7	499.8	500.7	501.5	502.3
137.5°	536.0	535.7	535.3	534.8	534.1	533.4	532.7	532.0	532.7	533.4	534.1
140°	557.8	557.6	557.5	557.1	556.4	555.7	555.0	554.3	555.0	555.7	556.4
142.5°	578.4	578.1	577.9	577.4	576.7	576.0	575.4	574.6	575.4	576.0	576.7
145°	608.6	608.2	607.8	607.4	607.2	606.9	606.7	606.3	606.7	606.9	607.2
147.5°	637.3	636.9	636.5	636.1	635.6	635.1	634.6	634.1	634.6	635.1	635.6
150°	655.4	655.1	654.8	654.5	654.3	653.9	653.7	653.4	653.7	653.9	654.3
152.5°	671.5	671.3	671.1	670.8	670.4	670.0	669.6	669.3	669.6	670.0	670.4
155°	694.7	694.5	694.3	694.3	694.3	694.3	694.3	694.3	694.3	694.3	694.3
157.5°	715.2	715.0	714.9	714.9	715.1	715.3	715.4	715.6	715.4	715.3	715.1
160°	727.8	727.8	727.8	727.9	728.2	728.4	728.7	729.0	728.7	728.4	728.2
162.5°	739.4	739.3	739.2	739.3	739.7	740.1	740.5	740.8	740.5	740.1	739.7
165°	754.4	754.4	754.4	754.6	755.0	755.4	755.8	756.2	755.8	755.4	755.0
167.5°	766.3	766.2	766.1	766.3	766.8	767.4	767.9	768.5	767.9	767.4	766.8
170°	772.9	772.9	772.9	773.2	773.8	774.4	774.9	775.5	774.9	774.4	773.8
172.5°	778.4	778.4	778.4	778.7	779.3	779.8	780.4	780.9	780.4	779.8	779.3
175°	784.1	784.1	784.1	784.4	785.0	785.5	786.0	786.6	786.0	785.5	785.0
177.5°	787.0	787.0	787.0	787.2	787.6	788.1	788.5	788.9	788.5	788.1	787.6
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



TEST NUMBER: P331974-927

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	841.7	839.4	836.1	831.1	827.1	820.8	820.8	821.8	821.8	821.5	820.8
5°	816.2	809.9	802.5	793.8	784.7	775.5	773.9	770.6	768.1	766.4	764.3
7.5°	789.3	778.2	767.3	755.1	744.0	734.8	728.4	723.1	719.7	716.1	713.4
10°	771.0	757.2	744.4	731.6	717.5	706.3	699.3	694.3	690.5	687.2	685.6
12.5°	749.4	733.7	719.5	707.3	691.9	680.4	673.7	671.4	666.9	660.0	656.3
15°	717.9	703.4	686.3	667.7	660.2	646.1	638.3	634.5	632.0	626.6	625.0
17.5°	690.9	671.9	652.8	638.9	625.0	613.6	609.2	604.6	601.3	596.8	595.6
20°	669.4	652.4	634.9	620.0	605.5	593.0	589.3	586.0	582.7	580.6	578.9
22.5°	647.5	630.5	616.0	602.1	586.6	578.5	574.4	570.8	568.4	567.0	565.4
25°	616.7	601.7	585.6	573.1	560.7	555.3	552.8	550.7	549.1	547.0	546.6
27.5°	589.1	572.9	559.8	548.2	539.2	534.7	532.3	531.3	531.7	532.4	532.9
30°	568.5	553.7	542.9	532.9	524.7	520.5	520.1	520.1	521.7	522.1	523.0
32.5°	549.7	537.4	526.6	517.0	510.7	507.9	509.5	509.5	510.8	511.8	513.3
35°	522.1	511.4	503.0	494.8	489.4	490.6	491.5	492.3	494.3	496.9	498.5
37.5°	495.8	486.5	477.8	471.3	468.9	471.1	473.1	474.8	477.3	479.2	480.9
40°	476.9	469.8	461.6	455.7	456.6	457.9	459.5	461.6	463.7	464.9	466.6
42.5°	459.3	451.9	445.7	440.8	442.0	443.6	444.6	445.7	448.1	450.3	451.3
45°	432.5	426.7	421.0	418.0	418.9	419.7	420.5	421.8	423.8	425.5	426.0
47.5°	402.4	398.4	394.5	391.7	393.0	392.7	393.7	396.4	397.0	398.1	400.4
50°	383.2	379.5	374.9	374.1	374.1	374.1	374.5	377.8	377.8	379.5	381.1
52.5°	361.9	359.6	356.6	355.1	354.5	354.5	356.2	357.9	358.5	360.9	362.6
55°	330.5	328.0	325.6	324.3	323.4	324.3	327.6	328.4	330.5	331.8	333.0
57.5°	297.8	295.9	293.9	293.2	293.0	294.1	296.0	298.4	299.0	302.8	304.7
60°	276.2	273.3	271.6	271.6	270.8	274.6	273.7	277.9	278.7	281.1	284.1
62.5°	254.0	250.1	249.4	249.4	250.6	251.7	252.8	254.6	256.8	259.9	262.2
65°	218.2	216.1	219.0	218.6	217.7	220.2	220.2	222.3	224.7	227.7	232.3
67.5°	184.2	183.2	183.4	183.4	184.7	186.1	187.2	189.0	192.0	195.1	198.0
70°	161.3	162.6	160.5	162.2	163.4	163.8	164.6	167.2	170.5	172.5	175.9
72.5°	139.1	139.0	139.3	139.9	141.2	141.9	142.8	145.6	149.2	151.0	153.6
75°	107.0	106.5	107.8	107.8	109.9	110.7	111.5	112.8	116.1	118.6	120.6
77.5°	78.1	78.7	78.3	79.8	79.2	79.4	81.9	83.2	83.5	88.4	89.5
80°	58.9	59.7	60.1	60.5	61.0	60.1	63.1	64.2	64.2	67.2	69.2
82.5°	42.3	42.8	43.9	44.3	44.4	45.2	45.5	46.3	47.4	48.6	51.3
85°	21.2	22.4	22.8	22.4	22.8	21.9	23.2	23.6	24.1	24.1	24.1
87.5°	7.8	8.5	8.6	9.2	9.3	9.9	10.1	9.5	9.6	10.7	9.5
90°	6.1	7.7	9.5	11.2	13.1	14.9	15.4	16.0	16.5	17.0	17.5
92.5°	18.7	19.7	20.8	21.8	22.7	23.8	24.2	24.6	25.1	25.5	25.7
95°	40.4	41.4	42.5	43.6	44.8	45.9	46.4	46.9	47.5	48.0	48.3
97.5°	67.8	68.5	69.3	70.1	70.9	71.7	72.3	73.0	73.6	74.2	74.5
100°	87.5	88.3	89.0	89.7	90.4	91.0	91.5	91.9	92.3	92.7	93.1
102.5°	108.5	109.2	110.1	111.1	111.9	112.9	113.3	113.7	114.1	114.5	114.7
105°	140.5	141.2	142.4	143.7	145.0	146.2	146.2	146.2	146.2	146.2	146.3
107.5°	178.2	178.5	179.0	179.5	180.0	180.5	180.9	181.3	181.8	182.3	182.4
110°	202.4	202.6	203.0	203.2	203.5	203.7	204.3	204.9	205.4	206.0	206.1



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	226.7	226.8	226.9	227.0	227.0	227.0	227.8	228.4	229.0	229.7	230.0
115°	264.9	265.0	264.7	264.4	264.1	263.9	264.0	264.1	264.3	264.4	264.4
117.5°	301.7	301.7	301.3	301.0	300.6	300.2	300.2	300.2	300.2	300.2	299.9
120°	327.3	327.3	326.6	325.9	325.3	324.6	324.4	324.2	324.2	324.0	323.8
122.5°	350.6	350.8	350.4	350.1	349.7	349.4	349.0	348.6	348.2	347.9	347.5
125°	386.9	387.0	386.7	386.4	386.1	385.9	385.3	384.8	384.2	383.7	383.1
127.5°	422.9	423.3	422.9	422.6	422.3	422.0	421.3	420.5	419.7	419.0	418.3
130°	446.6	446.9	446.6	446.2	445.8	445.3	444.7	444.3	443.7	443.1	442.4
132.5°	469.4	469.8	469.5	469.2	468.9	468.6	467.9	467.3	466.6	466.0	465.2
135°	503.1	503.5	503.4	503.2	503.0	503.0	502.4	501.8	501.3	500.7	500.3
137.5°	534.8	535.3	535.7	536.0	536.4	536.7	536.1	535.6	535.0	534.4	533.9
140°	557.1	557.5	557.6	557.8	557.9	558.0	557.9	557.8	557.6	557.5	557.0
142.5°	577.4	577.9	578.1	578.4	578.6	578.8	578.7	578.6	578.5	578.3	577.9
145°	607.4	607.8	608.2	608.6	609.0	609.4	609.3	609.2	609.0	608.9	608.6
147.5°	636.1	636.5	636.9	637.3	637.7	638.1	638.1	638.1	638.1	638.1	637.6
150°	654.5	654.8	655.1	655.4	655.6	655.9	655.9	655.9	655.9	655.9	655.5
152.5°	670.8	671.1	671.3	671.5	671.6	671.8	672.0	672.2	672.4	672.6	672.4
155°	694.3	694.3	694.5	694.7	694.8	694.9	695.5	696.0	696.6	697.1	696.9
157.5°	714.9	714.9	715.0	715.2	715.3	715.3	716.0	716.5	717.1	717.6	717.6
160°	727.9	727.8	727.8	727.8	727.8	727.8	728.4	729.1	729.8	730.5	730.6
162.5°	739.3	739.2	739.3	739.4	739.5	739.7	740.3	741.0	741.7	742.4	742.3
165°	754.6	754.4	754.4	754.4	754.4	754.4	755.2	756.1	756.9	757.7	757.6
167.5°	766.3	766.1	766.2	766.3	766.4	766.5	767.4	768.3	769.1	769.9	769.9
170°	773.2	772.9	772.9	772.9	772.9	772.9	774.0	774.9	775.9	776.8	776.8
172.5°	778.7	778.4	778.4	778.4	778.4	778.4	779.3	780.1	781.0	781.8	781.8
175°	784.4	784.1	784.1	784.1	784.1	784.1	785.0	785.8	786.6	787.4	787.3
177.5°	787.2	787.0	787.0	787.0	787.0	787.0	787.6	788.3	788.9	789.6	789.6
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



TEST NUMBER: P331974-927

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	818.5	818.2	820.5	818.8	820.5	818.2	818.5	820.8	821.5	821.8	821.8
5°	761.8	763.1	758.9	758.9	758.9	763.1	761.8	764.3	766.4	768.1	770.6
7.5°	711.4	709.6	709.7	707.5	709.7	709.6	711.4	713.4	716.1	719.7	723.1
10°	680.6	678.1	677.2	677.6	677.2	678.1	680.6	685.6	687.2	690.5	694.3
12.5°	655.0	654.5	649.0	649.1	649.0	654.5	655.0	656.3	660.0	666.9	671.4
15°	625.0	617.1	616.2	618.8	616.2	617.1	625.0	625.0	626.6	632.0	634.5
17.5°	594.8	590.7	591.0	589.7	591.0	590.7	594.8	595.6	596.8	601.3	604.6
20°	578.9	576.5	576.1	573.1	576.1	576.5	578.9	578.9	580.6	582.7	586.0
22.5°	564.4	563.6	563.8	560.5	563.8	563.6	564.4	565.4	567.0	568.4	570.8
25°	546.2	548.3	546.6	546.6	546.6	548.3	546.2	546.6	547.0	549.1	550.7
27.5°	533.9	533.9	533.0	533.0	533.0	533.9	533.9	532.9	532.4	531.7	531.3
30°	524.7	524.2	525.1	525.1	525.1	524.2	524.7	523.0	522.1	521.7	520.1
32.5°	515.3	515.9	516.1	516.4	516.1	515.9	515.3	513.3	511.8	510.8	509.5
35°	501.0	501.4	502.6	501.8	502.6	501.4	501.0	498.5	496.9	494.3	492.3
37.5°	481.6	483.5	483.1	483.7	483.1	483.5	481.6	480.9	479.2	477.3	474.8
40°	467.0	468.3	467.8	467.8	467.8	468.3	467.0	466.6	464.9	463.7	461.6
42.5°	452.0	453.0	451.9	451.2	451.9	453.0	452.0	451.3	450.3	448.1	445.7
45°	427.5	426.7	428.0	426.4	428.0	426.7	427.5	426.0	425.5	423.8	421.8
47.5°	400.2	401.0	401.4	402.6	401.4	401.0	400.2	400.4	398.1	397.0	396.4
50°	382.0	384.4	384.4	384.0	384.4	384.4	382.0	381.1	379.5	377.8	377.8
52.5°	364.0	365.2	366.9	366.8	366.9	365.2	364.0	362.6	360.9	358.5	357.9
55°	336.4	337.2	338.0	338.4	338.0	337.2	336.4	333.0	331.8	330.5	328.4
57.5°	307.6	307.3	309.3	309.9	309.3	307.3	307.6	304.7	302.8	299.0	298.4
60°	287.4	287.4	290.7	292.0	290.7	287.4	287.4	284.1	281.1	278.7	277.9
62.5°	265.9	267.2	270.5	268.7	270.5	267.2	265.9	262.2	259.9	256.8	254.6
65°	234.3	237.7	237.3	238.8	237.3	237.7	234.3	232.3	227.7	224.7	222.3
67.5°	201.4	203.4	206.4	206.7	206.4	203.4	201.4	198.0	195.1	192.0	189.0
70°	179.2	181.3	182.9	184.1	182.9	181.3	179.2	175.9	172.5	170.5	167.2
72.5°	157.6	158.7	162.6	160.9	162.6	158.7	157.6	153.6	151.0	149.2	145.6
75°	123.6	126.5	129.0	127.7	129.0	126.5	123.6	120.6	118.6	116.1	112.8
77.5°	91.4	94.3	95.5	94.4	95.5	94.3	91.4	89.5	88.4	83.5	83.2
80°	72.2	71.8	74.2	73.8	74.2	71.8	72.2	69.2	67.2	64.2	64.2
82.5°	52.9	52.5	53.6	53.9	53.6	52.5	52.9	51.3	48.6	47.4	46.3
85°	25.7	26.9	25.3	24.9	25.3	26.9	25.7	24.1	24.1	24.1	23.6
87.5°	9.5	9.6	9.3	9.0	9.3	9.6	9.5	9.5	10.7	9.6	9.5
90°	17.7	18.1	18.3	18.6	18.3	18.1	17.7	17.5	17.0	16.5	16.0
92.5°	25.5	25.3	25.2	25.0	25.2	25.3	25.5	25.7	25.5	25.1	24.6
95°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.0	47.5	46.9
97.5°	74.5	74.5	74.4	74.3	74.4	74.5	74.5	74.5	74.2	73.6	73.0
100°	93.3	93.6	93.9	94.1	93.9	93.6	93.3	93.1	92.7	92.3	91.9
102.5°	114.6	114.5	114.5	114.5	114.5	114.5	114.6	114.7	114.5	114.1	113.7
105°	146.6	146.9	147.1	147.4	147.1	146.9	146.6	146.3	146.2	146.2	146.2
107.5°	182.2	182.0	181.9	181.7	181.9	182.0	182.2	182.4	182.3	181.8	181.3
110°	205.8	205.6	205.3	205.0	205.3	205.6	205.8	206.1	206.0	205.4	204.9



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	230.0	229.9	229.8	229.8	229.8	229.9	230.0	230.0	229.7	229.0	228.4
115°	264.3	264.1	264.0	263.9	264.0	264.1	264.3	264.4	264.4	264.3	264.1
117.5°	299.6	299.2	298.8	298.4	298.8	299.2	299.6	299.9	300.2	300.2	300.2
120°	323.5	323.2	323.0	322.7	323.0	323.2	323.5	323.8	324.0	324.2	324.2
122.5°	347.1	346.7	346.3	345.9	346.3	346.7	347.1	347.5	347.9	348.2	348.6
125°	382.5	382.0	381.4	380.9	381.4	382.0	382.5	383.1	383.7	384.2	384.8
127.5°	417.6	417.0	416.4	415.7	416.4	417.0	417.6	418.3	419.0	419.7	420.5
130°	441.4	440.5	439.5	438.5	439.5	440.5	441.4	442.4	443.1	443.7	444.3
132.5°	464.5	463.7	463.0	462.3	463.0	463.7	464.5	465.2	466.0	466.6	467.3
135°	500.0	499.8	499.5	499.2	499.5	499.8	500.0	500.3	500.7	501.3	501.8
137.5°	533.4	532.8	532.3	531.8	532.3	532.8	533.4	533.9	534.4	535.0	535.6
140°	556.0	555.0	554.1	553.1	554.1	555.0	556.0	557.0	557.5	557.6	557.8
142.5°	577.1	576.4	575.6	574.9	575.6	576.4	577.1	577.9	578.3	578.5	578.6
145°	608.0	607.4	606.9	606.3	606.9	607.4	608.0	608.6	608.9	609.0	609.2
147.5°	636.8	636.0	635.2	634.4	635.2	636.0	636.8	637.6	638.1	638.1	638.1
150°	654.7	653.9	653.0	652.2	653.0	653.9	654.7	655.5	655.9	655.9	655.9
152.5°	671.7	671.0	670.3	669.6	670.3	671.0	671.7	672.4	672.6	672.4	672.2
155°	695.9	695.0	694.0	693.1	694.0	695.0	695.9	696.9	697.1	696.6	696.0
157.5°	716.8	716.1	715.3	714.5	715.3	716.1	716.8	717.6	717.6	717.1	716.5
160°	730.0	729.4	728.9	728.3	728.9	729.4	730.0	730.6	730.5	729.8	729.1
162.5°	741.4	740.5	739.7	738.8	739.7	740.5	741.4	742.3	742.4	741.7	741.0
165°	756.7	755.7	754.7	753.8	754.7	755.7	756.7	757.6	757.7	756.9	756.1
167.5°	769.1	768.3	767.4	766.5	767.4	768.3	769.1	769.9	769.9	769.1	768.3
170°	775.9	774.9	774.0	772.9	774.0	774.9	775.9	776.8	776.8	775.9	774.9
172.5°	780.8	779.8	778.9	777.9	778.9	779.8	780.8	781.8	781.8	781.0	780.1
175°	786.4	785.4	784.4	783.5	784.4	785.4	786.4	787.3	787.4	786.6	785.8
177.5°	788.8	788.0	787.3	786.5	787.3	788.0	788.8	789.6	789.6	788.9	788.3
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



TEST NUMBER: P331974-927

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	820.8	820.8	827.1	831.1	836.1	839.4	841.7	844.1	848.0	853.3	859.3
5°	773.9	775.5	784.7	793.8	802.5	809.9	816.2	823.6	832.7	844.0	856.4
7.5°	728.4	734.8	744.0	755.1	767.3	778.2	789.3	801.5	814.4	830.8	848.3
10°	699.3	706.3	717.5	731.6	744.4	757.2	771.0	784.3	800.4	819.9	842.3
12.5°	673.7	680.4	691.9	707.3	719.5	733.7	749.4	766.7	784.8	808.3	833.7
15°	638.3	646.1	660.2	667.7	686.3	703.4	717.9	742.8	766.0	790.0	819.5
17.5°	609.2	613.6	625.0	638.9	652.8	671.9	690.9	711.7	734.8	764.2	801.1
20°	589.3	593.0	605.5	620.0	634.9	652.4	669.4	690.1	716.2	747.3	787.1
22.5°	574.4	578.5	586.6	602.1	616.0	630.5	647.5	672.2	700.0	730.4	773.6
25°	552.8	555.3	560.7	573.1	585.6	601.7	616.7	639.9	668.5	704.2	747.3
27.5°	532.3	534.7	539.2	548.2	559.8	572.9	589.1	608.9	637.9	676.7	722.5
30°	520.1	520.5	524.7	532.9	542.9	553.7	568.5	591.0	618.4	657.7	705.8
32.5°	509.5	507.9	510.7	517.0	526.6	537.4	549.7	571.7	598.1	636.8	686.3
35°	491.5	490.6	489.4	494.8	503.0	511.4	522.1	538.8	568.5	604.7	656.5
37.5°	473.1	471.1	468.9	471.3	477.8	486.5	495.8	510.6	536.3	576.1	625.7
40°	459.5	457.9	456.6	455.7	461.6	469.8	476.9	491.0	515.1	552.8	601.7
42.5°	444.6	443.6	442.0	440.8	445.7	451.9	459.3	471.8	495.8	531.2	577.6
45°	420.5	419.7	418.9	418.0	421.0	426.7	432.5	441.6	462.4	496.9	538.8
47.5°	393.7	392.7	393.0	391.7	394.5	398.4	402.4	412.3	432.1	459.9	490.5
50°	374.5	374.1	374.1	374.1	374.9	379.5	383.2	390.7	408.9	436.7	458.7
52.5°	356.2	354.5	354.5	355.1	356.6	359.6	361.9	370.1	386.0	408.8	428.8
55°	327.6	324.3	323.4	324.3	325.6	328.0	330.5	337.2	350.9	367.9	379.5
57.5°	296.0	294.1	293.0	293.2	293.9	295.9	297.8	305.0	315.8	324.6	332.1
60°	273.7	274.6	270.8	271.6	271.6	273.3	276.2	280.7	289.9	296.1	303.6
62.5°	252.8	251.7	250.6	249.4	249.4	250.1	254.0	257.5	265.3	268.5	274.4
65°	220.2	220.2	217.7	218.6	219.0	216.1	218.2	222.3	227.3	228.5	233.9
67.5°	187.2	186.1	184.7	183.4	183.4	183.2	184.2	186.3	190.0	190.4	194.6
70°	164.6	163.8	163.4	162.2	160.5	162.6	161.3	163.4	165.5	165.9	168.3
72.5°	142.8	141.9	141.2	139.9	139.3	139.0	139.1	141.5	142.9	142.4	145.1
75°	111.5	110.7	109.9	107.8	107.8	106.5	107.0	108.7	110.4	109.1	111.5
77.5°	81.9	79.4	79.2	79.8	78.3	78.7	78.1	77.9	78.7	78.7	81.0
80°	63.1	60.1	61.0	60.5	60.1	59.7	58.9	59.3	59.7	60.1	61.4
82.5°	45.5	45.2	44.4	44.3	43.9	42.8	42.3	43.0	43.5	43.3	44.1
85°	23.2	21.9	22.8	22.4	22.8	22.4	21.2	21.2	21.9	21.5	22.4
87.5°	10.1	9.9	9.3	9.2	8.6	8.5	7.8	7.9	8.0	7.7	8.1
90°	15.4	14.9	13.1	11.2	9.5	7.7	6.1	4.8	3.4	2.0	0.6
92.5°	24.2	23.8	22.7	21.8	20.8	19.7	18.7	17.8	16.9	15.9	15.0
95°	46.4	45.9	44.8	43.6	42.5	41.4	40.4	39.5	38.5	37.5	36.5
97.5°	72.3	71.7	70.9	70.1	69.3	68.5	67.8	67.0	66.3	65.6	64.9
100°	91.5	91.0	90.4	89.7	89.0	88.3	87.5	86.7	85.9	85.1	84.2
102.5°	113.3	112.9	111.9	111.1	110.1	109.2	108.5	108.1	107.5	107.0	106.5
105°	146.2	146.2	145.0	143.7	142.4	141.2	140.5	140.2	139.9	139.7	139.3
107.5°	180.9	180.5	180.0	179.5	179.0	178.5	178.2	178.0	177.8	177.7	177.5
110°	204.3	203.7	203.5	203.2	203.0	202.6	202.4	202.1	201.8	201.5	201.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	227.8	227.0	227.0	227.0	226.9	226.8	226.7	226.6	226.4	226.2	226.1
115°	264.0	263.9	264.1	264.4	264.7	265.0	264.9	264.4	264.0	263.6	263.2
117.5°	300.2	300.2	300.6	301.0	301.3	301.7	301.7	301.4	301.2	301.0	300.6
120°	324.4	324.6	325.3	325.9	326.6	327.3	327.3	326.4	325.6	324.7	323.9
122.5°	349.0	349.4	349.7	350.1	350.4	350.8	350.6	350.0	349.4	348.8	348.2
125°	385.3	385.9	386.1	386.4	386.7	387.0	386.9	386.5	386.0	385.6	385.2
127.5°	421.3	422.0	422.3	422.6	422.9	423.3	422.9	422.1	421.2	420.3	419.5
130°	444.7	445.3	445.8	446.2	446.6	446.9	446.6	445.5	444.4	443.3	442.2
132.5°	467.9	468.6	468.9	469.2	469.5	469.8	469.4	468.3	467.2	466.1	465.0
135°	502.4	503.0	503.0	503.2	503.4	503.5	503.1	502.3	501.5	500.7	499.8
137.5°	536.1	536.7	536.4	536.0	535.7	535.3	534.8	534.1	533.4	532.7	532.0
140°	557.9	558.0	557.9	557.8	557.6	557.5	557.1	556.4	555.7	555.0	554.3
142.5°	578.7	578.8	578.6	578.4	578.1	577.9	577.4	576.7	576.0	575.4	574.6
145°	609.3	609.4	609.0	608.6	608.2	607.8	607.4	607.2	606.9	606.7	606.3
147.5°	638.1	638.1	637.7	637.3	636.9	636.5	636.1	635.6	635.1	634.6	634.1
150°	655.9	655.9	655.6	655.4	655.1	654.8	654.5	654.3	653.9	653.7	653.4
152.5°	672.0	671.8	671.6	671.5	671.3	671.1	670.8	670.4	670.0	669.6	669.3
155°	695.5	694.9	694.8	694.7	694.5	694.3	694.3	694.3	694.3	694.3	694.3
157.5°	716.0	715.3	715.3	715.2	715.0	714.9	714.9	715.1	715.3	715.4	715.6
160°	728.4	727.8	727.8	727.8	727.8	727.8	727.9	728.2	728.4	728.7	729.0
162.5°	740.3	739.7	739.5	739.4	739.3	739.2	739.3	739.7	740.1	740.5	740.8
165°	755.2	754.4	754.4	754.4	754.4	754.4	754.6	755.0	755.4	755.8	756.2
167.5°	767.4	766.5	766.4	766.3	766.2	766.1	766.3	766.8	767.4	767.9	768.5
170°	774.0	772.9	772.9	772.9	772.9	772.9	773.2	773.8	774.4	774.9	775.5
172.5°	779.3	778.4	778.4	778.4	778.4	778.4	778.7	779.3	779.8	780.4	780.9
175°	785.0	784.1	784.1	784.1	784.1	784.1	784.4	785.0	785.5	786.0	786.6
177.5°	787.6	787.0	787.0	787.0	787.0	787.0	787.2	787.6	788.1	788.5	788.9
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	861.3	862.9	868.6	872.6	877.2	879.9	882.5	884.6	887.2	887.8	897.5
5°	865.1	873.4	888.0	898.7	912.0	926.5	936.4	941.0	953.0	963.0	982.9
7.5°	864.0	881.7	903.6	926.3	950.7	973.3	992.8	1016.1	1032.6	1057.4	1081.8
10°	863.0	886.7	914.9	943.9	977.9	1009.4	1037.6	1069.1	1095.3	1129.7	1159.1
12.5°	860.1	888.7	927.8	962.2	1003.5	1046.9	1088.7	1129.2	1152.3	1209.7	1236.8
15°	852.7	886.7	935.6	987.9	1044.7	1096.1	1149.2	1191.5	1259.9	1310.1	1342.0
17.5°	838.6	886.2	944.2	1007.3	1076.3	1144.1	1204.3	1268.4	1341.0	1401.8	1466.5
20°	831.9	884.2	948.9	1018.6	1090.3	1167.0	1235.5	1312.6	1391.8	1451.5	1534.5
22.5°	819.7	878.8	948.6	1026.2	1102.9	1182.3	1262.3	1340.1	1431.6	1513.9	1592.8
25°	799.5	865.9	938.1	1024.8	1114.8	1194.4	1290.2	1393.4	1488.8	1594.6	1673.4
27.5°	778.5	849.4	921.7	1002.3	1099.1	1193.6	1314.1	1430.8	1547.4	1638.7	1697.0
30°	762.2	831.1	905.8	987.1	1082.8	1195.2	1330.0	1457.3	1571.0	1649.3	1682.1
32.5°	744.7	814.5	880.5	965.8	1067.9	1194.2	1340.0	1472.9	1572.3	1624.4	1618.1
35°	717.1	775.5	839.8	921.9	1042.2	1186.9	1345.8	1474.3	1535.3	1524.1	1439.5
37.5°	677.2	726.4	789.7	879.6	1012.3	1171.6	1334.2	1430.6	1426.6	1335.5	1212.9
40°	652.4	694.3	755.2	849.8	989.1	1161.7	1315.9	1378.6	1325.5	1198.1	1051.3
42.5°	619.9	658.4	719.4	816.6	963.5	1141.4	1281.0	1299.3	1195.4	1048.8	914.3
45°	569.4	603.4	666.5	766.8	925.3	1097.3	1196.0	1151.7	1011.9	860.5	758.1
47.5°	515.2	550.6	611.2	714.3	869.8	1031.1	1078.1	983.7	840.2	717.5	623.4
50°	481.1	515.1	574.4	678.5	832.3	976.7	996.2	874.3	742.4	634.5	557.4
52.5°	446.6	478.6	536.9	641.4	788.5	913.6	901.6	777.4	656.1	564.2	503.7
55°	395.2	425.5	481.1	578.9	712.9	812.0	768.5	649.9	549.5	478.2	432.1
57.5°	349.3	378.3	426.3	514.7	631.1	699.3	643.8	543.8	464.1	409.2	374.9
60°	318.1	343.8	389.4	471.5	572.7	624.6	569.8	481.5	414.3	370.3	339.7
62.5°	288.6	310.9	353.2	427.8	515.6	559.2	503.8	429.0	371.9	332.9	306.8
65°	243.8	264.2	301.5	359.6	431.7	460.7	413.0	352.5	308.2	279.1	261.7
67.5°	203.0	220.3	252.5	298.3	351.3	372.5	336.2	289.3	255.9	232.6	218.7
70°	175.9	190.8	216.1	255.5	303.6	319.7	285.7	247.2	222.7	204.1	191.2
72.5°	153.0	163.9	186.9	217.3	257.5	270.3	246.6	212.7	189.9	175.9	165.6
75°	116.5	125.6	140.6	165.1	192.8	200.3	182.4	161.3	146.0	136.0	128.2
77.5°	84.1	90.7	101.6	116.6	135.9	142.6	131.3	117.2	106.0	99.3	94.9
80°	63.5	68.8	78.0	90.4	102.0	105.8	99.1	88.3	80.5	76.8	73.0
82.5°	46.9	49.9	55.4	63.8	71.9	76.2	70.6	64.1	59.9	56.5	55.1
85°	23.6	25.3	27.8	31.1	36.0	37.7	35.6	34.0	31.5	29.5	29.5
87.5°	9.0	9.3	10.5	11.5	13.2	14.5	14.5	14.3	14.3	14.0	13.8
90°	2.0	3.4	4.8	6.1	7.7	9.5	11.2	13.1	14.9	15.4	16.0
92.5°	15.9	16.9	17.8	18.7	19.7	20.8	21.8	22.7	23.8	24.2	24.6
95°	37.5	38.5	39.5	40.4	41.4	42.5	43.6	44.8	45.9	46.4	46.9
97.5°	65.6	66.3	67.0	67.8	68.5	69.3	70.1	70.9	71.7	72.3	73.0
100°	85.1	85.9	86.7	87.5	88.3	89.0	89.7	90.4	91.0	91.5	91.9
102.5°	107.0	107.5	108.1	108.5	109.2	110.1	111.1	111.9	112.9	113.3	113.7
105°	139.7	139.9	140.2	140.5	141.2	142.4	143.7	145.0	146.2	146.2	146.2
107.5°	177.7	177.8	178.0	178.2	178.5	179.0	179.5	180.0	180.5	180.9	181.3
110°	201.5	201.8	202.1	202.4	202.6	203.0	203.2	203.5	203.7	204.3	204.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	226.2	226.4	226.6	226.7	226.8	226.9	227.0	227.0	227.0	227.8	228.4
115°	263.6	264.0	264.4	264.9	265.0	264.7	264.4	264.1	263.9	264.0	264.1
117.5°	301.0	301.2	301.4	301.7	301.7	301.3	301.0	300.6	300.2	300.2	300.2
120°	324.7	325.6	326.4	327.3	327.3	326.6	325.9	325.3	324.6	324.4	324.2
122.5°	348.8	349.4	350.0	350.6	350.8	350.4	350.1	349.7	349.4	349.0	348.6
125°	385.6	386.0	386.5	386.9	387.0	386.7	386.4	386.1	385.9	385.3	384.8
127.5°	420.3	421.2	422.1	422.9	423.3	422.9	422.6	422.3	422.0	421.3	420.5
130°	443.3	444.4	445.5	446.6	446.9	446.6	446.2	445.8	445.3	444.7	444.3
132.5°	466.1	467.2	468.3	469.4	469.8	469.5	469.2	468.9	468.6	467.9	467.3
135°	500.7	501.5	502.3	503.1	503.5	503.4	503.2	503.0	503.0	502.4	501.8
137.5°	532.7	533.4	534.1	534.8	535.3	535.7	536.0	536.4	536.7	536.1	535.6
140°	555.0	555.7	556.4	557.1	557.5	557.6	557.8	557.9	558.0	557.9	557.8
142.5°	575.4	576.0	576.7	577.4	577.9	578.1	578.4	578.6	578.8	578.7	578.6
145°	606.7	606.9	607.2	607.4	607.8	608.2	608.6	609.0	609.4	609.3	609.2
147.5°	634.6	635.1	635.6	636.1	636.5	636.9	637.3	637.7	638.1	638.1	638.1
150°	653.7	653.9	654.3	654.5	654.8	655.1	655.4	655.6	655.9	655.9	655.9
152.5°	669.6	670.0	670.4	670.8	671.1	671.3	671.5	671.6	671.8	672.0	672.2
155°	694.3	694.3	694.3	694.3	694.3	694.5	694.7	694.8	694.9	695.5	696.0
157.5°	715.4	715.3	715.1	714.9	714.9	715.0	715.2	715.3	715.3	716.0	716.5
160°	728.7	728.4	728.2	727.9	727.8	727.8	727.8	727.8	727.8	728.4	729.1
162.5°	740.5	740.1	739.7	739.3	739.2	739.3	739.4	739.5	739.7	740.3	741.0
165°	755.8	755.4	755.0	754.6	754.4	754.4	754.4	754.4	754.4	755.2	756.1
167.5°	767.9	767.4	766.8	766.3	766.1	766.2	766.3	766.4	766.5	767.4	768.3
170°	774.9	774.4	773.8	773.2	772.9	772.9	772.9	772.9	772.9	774.0	774.9
172.5°	780.4	779.8	779.3	778.7	778.4	778.4	778.4	778.4	778.4	779.3	780.1
175°	786.0	785.5	785.0	784.4	784.1	784.1	784.1	784.1	784.1	785.0	785.8
177.5°	788.5	788.1	787.6	787.2	787.0	787.0	787.0	787.0	787.0	787.6	788.3
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5	788.5



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	856.0	856.0	856.0	856.0	856.0	856.0	856.0
2.5°	900.8	901.1	904.8	907.4	906.1	907.8	908.4
5°	984.1	999.1	1006.9	1012.7	1013.2	1013.6	1016.9
7.5°	1102.3	1118.3	1130.0	1147.8	1153.1	1159.1	1157.4
10°	1188.6	1212.2	1232.6	1243.3	1255.0	1271.9	1258.3
12.5°	1269.2	1311.1	1342.0	1358.8	1369.8	1373.2	1366.4
15°	1402.2	1456.9	1486.4	1485.5	1522.9	1539.1	1513.7
17.5°	1524.1	1574.6	1615.1	1635.9	1666.9	1673.8	1670.6
20°	1598.8	1653.9	1685.4	1721.1	1737.3	1751.8	1754.3
22.5°	1663.1	1712.6	1746.4	1776.2	1789.7	1796.6	1800.7
25°	1729.4	1768.4	1788.7	1799.0	1802.8	1802.0	1796.6
27.5°	1724.8	1727.8	1705.4	1683.5	1663.8	1641.6	1634.0
30°	1680.1	1645.2	1583.0	1547.8	1495.9	1454.8	1471.4
32.5°	1562.3	1492.9	1423.1	1346.0	1282.2	1264.1	1245.8
35°	1333.3	1211.4	1140.1	1057.1	1024.0	990.8	968.0
37.5°	1078.7	984.4	899.8	845.5	812.3	791.3	780.0
40°	932.7	847.7	778.0	734.0	708.8	685.2	681.8
42.5°	816.3	737.2	684.8	649.7	625.5	615.4	608.2
45°	668.5	613.4	578.1	553.3	537.1	530.8	522.5
47.5°	565.9	526.9	500.4	483.5	471.3	466.7	466.0
50°	508.4	476.1	456.6	443.3	433.8	432.1	425.5
52.5°	465.3	437.3	422.1	410.5	403.6	398.9	397.0
55°	403.9	385.2	371.6	365.0	359.6	355.0	355.0
57.5°	353.4	337.9	328.8	323.1	321.5	318.2	316.2
60°	322.3	309.0	301.9	296.9	293.7	294.1	290.3
62.5°	291.7	283.1	276.4	271.4	267.4	267.5	267.8
65°	248.4	241.8	236.8	235.1	232.7	229.7	230.6
67.5°	210.5	204.3	200.4	197.6	196.8	195.2	197.6
70°	183.3	178.7	175.9	173.3	172.5	172.9	175.0
72.5°	158.4	155.2	153.3	152.1	150.3	150.4	151.8
75°	124.5	121.9	120.3	119.0	118.6	118.6	118.6
77.5°	91.4	90.9	90.1	88.2	88.3	88.8	88.9
80°	72.2	70.9	70.5	69.7	68.4	67.6	69.7
82.5°	53.9	52.7	52.3	52.1	50.1	50.0	51.7
85°	29.0	27.8	28.2	27.8	27.8	27.4	27.4
87.5°	13.6	13.4	13.2	13.5	13.2	12.9	13.7
90°	16.5	17.0	17.5	17.7	18.1	18.3	18.6
92.5°	25.1	25.5	25.7	25.5	25.3	25.2	25.0
95°	47.5	48.0	48.3	48.3	48.3	48.3	48.3
97.5°	73.6	74.2	74.5	74.5	74.5	74.4	74.3
100°	92.3	92.7	93.1	93.3	93.6	93.9	94.1
102.5°	114.1	114.5	114.7	114.6	114.5	114.5	114.5
105°	146.2	146.2	146.3	146.6	146.9	147.1	147.4
107.5°	181.8	182.3	182.4	182.2	182.0	181.9	181.7
110°	205.4	206.0	206.1	205.8	205.6	205.3	205.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	229.0	229.7	230.0	230.0	229.9	229.8	229.8
115°	264.3	264.4	264.4	264.3	264.1	264.0	263.9
117.5°	300.2	300.2	299.9	299.6	299.2	298.8	298.4
120°	324.2	324.0	323.8	323.5	323.2	323.0	322.7
122.5°	348.2	347.9	347.5	347.1	346.7	346.3	345.9
125°	384.2	383.7	383.1	382.5	382.0	381.4	380.9
127.5°	419.7	419.0	418.3	417.6	417.0	416.4	415.7
130°	443.7	443.1	442.4	441.4	440.5	439.5	438.5
132.5°	466.6	466.0	465.2	464.5	463.7	463.0	462.3
135°	501.3	500.7	500.3	500.0	499.8	499.5	499.2
137.5°	535.0	534.4	533.9	533.4	532.8	532.3	531.8
140°	557.6	557.5	557.0	556.0	555.0	554.1	553.1
142.5°	578.5	578.3	577.9	577.1	576.4	575.6	574.9
145°	609.0	608.9	608.6	608.0	607.4	606.9	606.3
147.5°	638.1	638.1	637.6	636.8	636.0	635.2	634.4
150°	655.9	655.9	655.5	654.7	653.9	653.0	652.2
152.5°	672.4	672.6	672.4	671.7	671.0	670.3	669.6
155°	696.6	697.1	696.9	695.9	695.0	694.0	693.1
157.5°	717.1	717.6	717.6	716.8	716.1	715.3	714.5
160°	729.8	730.5	730.6	730.0	729.4	728.9	728.3
162.5°	741.7	742.4	742.3	741.4	740.5	739.7	738.8
165°	756.9	757.7	757.6	756.7	755.7	754.7	753.8
167.5°	769.1	769.9	769.9	769.1	768.3	767.4	766.5
170°	775.9	776.8	776.8	775.9	774.9	774.0	772.9
172.5°	781.0	781.8	781.8	780.8	779.8	778.9	777.9
175°	786.6	787.4	787.3	786.4	785.4	784.4	783.5
177.5°	788.9	789.6	789.6	788.8	788.0	787.3	786.5
180°	788.5	788.5	788.5	788.5	788.5	788.5	788.5

(END OF REPORT)