

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: P333143-840

Luminaire Tested: **S125DIP-S375D1035U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333143-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D1035U840-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5169.3 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

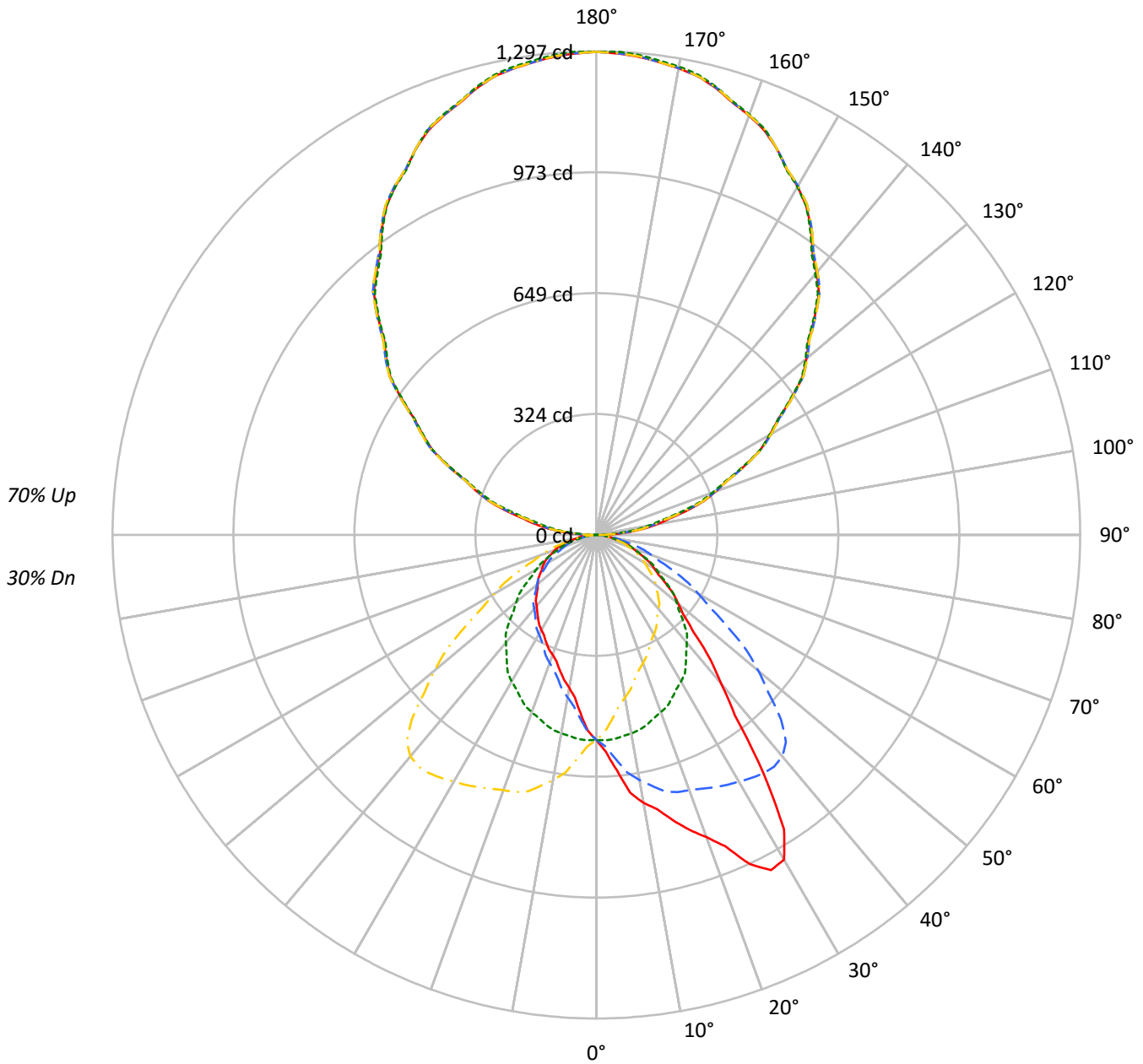
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	38	38	38	30
1	93	89	86	82	84	80	77	74	63	61	59	48	47	45	34	33	32	26
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	28	27	22
3	78	69	62	56	69	62	56	51	49	45	42	37	35	32	26	25	23	18
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	26	24	21	19	18	14
6	60	48	41	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11
8	51	39	32	27	46	36	29	25	29	24	20	22	19	16	16	14	12	10
9	48	36	29	24	43	33	26	22	26	22	18	20	17	15	15	13	11	9
10	44	33	26	21	40	30	24	19	24	19	16	19	15	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3551	3551	3551	3551
5°	4112	3563	3120	3563
10°	4783	3545	2733	3545
15°	5295	3518	2521	3518
20°	5927	3477	2351	3477
25°	6944	3430	2268	3430
30°	7500	3384	2196	3384
35°	6166	3299	2149	3299
40°	4383	3179	2097	3179
45°	3368	3018	2067	3018
50°	2875	2817	2063	2817
55°	2559	2622	2081	2622
60°	2308	2408	2134	2408
65°	2133	2193	2190	2193
70°	1939	1969	2221	1969
75°	1712	1737	2201	1737
80°	1443	1417	2012	1417
85°	1149	1015	1623	1015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	1.0
10°-20°	157.6	3.0
20°-30°	255.9	4.9
30°-40°	312.1	6.0
40°-50°	283.9	5.5
50°-60°	226.2	4.4
60°-70°	157.5	3.0
70°-80°	84.0	1.6
80°-90°	24.0	0.5
90°-100°	86.8	1.7
100°-110°	256.2	5.0
110°-120°	434.0	8.4
120°-130°	571.2	11.0
130°-140°	640.0	12.4
140°-150°	627.3	12.1
150°-160°	526.9	10.2
160°-170°	350.2	6.8
170°-180°	122.6	2.4
0°-30°	466.4	9.0
0°-40°	778.5	15.1
0°-60°	1288.6	24.9
0°-90°	1554.2	30.1
90°-120°	777.0	15.0
90°-150°	2615.5	50.6
90°-180°	3615.0	69.9
0°-180°	5169.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	550	550	550	550	550	
5°	634	550	481	550	634	64
15°	792	526	377	526	792	227
25°	974	481	318	481	974	445
35°	782	418	273	418	782	479
45°	369	330	226	330	369	295
55°	227	233	185	233	227	205
65°	140	144	143	144	140	138
75°	69	70	88	70	69	74
85°	16	14	22	14	16	18
90°	24	1	24	1	24	14
95°	87	66	87	66	87	88
105°	250	230	250	230	250	265
115°	439	434	439	434	439	434
125°	638	634	638	634	638	570
135°	828	825	828	825	828	638
145°	1003	999	1003	999	1003	626
155°	1143	1143	1143	1143	1143	526
165°	1240	1243	1240	1243	1240	350
175°	1288	1292	1288	1292	1288	122
180°	1296	1296	1296	1296	1296	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	581.5	580.8	580.0	578.6	579.7	576.4	575.0	572.4	569.2	568.0	566.7
5°	634.2	635.4	636.6	631.7	632.2	628.8	621.4	615.3	610.5	604.1	599.7
7.5°	697.7	695.0	694.7	691.6	686.1	681.7	673.9	663.9	654.2	643.2	634.1
10°	729.4	729.7	727.6	723.9	718.0	713.8	703.6	693.8	681.9	667.8	657.8
12.5°	753.4	754.4	751.6	746.6	743.8	734.4	726.3	714.7	700.5	689.3	674.1
15°	791.9	789.4	787.6	781.2	776.4	766.6	753.8	741.5	726.2	712.0	697.7
17.5°	829.2	831.3	827.8	822.0	806.8	795.4	778.2	761.5	742.4	723.3	706.3
20°	862.4	864.3	859.0	848.9	830.7	819.3	796.7	775.2	753.1	728.5	709.8
22.5°	903.9	902.4	895.1	879.9	864.1	843.0	818.5	792.3	764.6	736.9	712.1
25°	974.4	964.6	960.2	941.3	920.6	889.5	856.0	817.7	783.2	746.5	714.8
27.5°	1013.6	1010.5	1005.5	992.4	970.6	937.4	897.8	851.1	802.4	756.2	714.6
30°	1005.7	1006.2	1006.6	1002.5	988.5	963.5	924.0	873.9	816.0	764.0	715.9
32.5°	936.2	944.7	952.9	962.5	966.4	961.6	937.0	891.6	832.0	773.0	715.2
35°	782.1	784.8	811.1	837.3	872.7	900.3	918.7	898.6	848.5	780.5	714.3
37.5°	609.9	622.5	640.8	670.2	721.4	767.3	826.3	853.3	837.2	783.0	712.7
40°	519.9	531.6	543.5	573.6	616.7	672.3	739.2	796.4	809.7	775.2	707.0
42.5°	450.5	459.7	472.9	495.5	531.6	580.8	644.8	719.5	765.5	752.5	695.3
45°	368.7	374.6	384.8	402.7	428.9	467.4	523.8	605.5	676.7	700.2	667.4
47.5°	315.6	315.6	323.6	335.9	354.8	387.5	429.3	493.2	569.3	625.5	622.9
50°	286.1	284.9	291.2	301.9	316.9	338.6	378.5	429.6	502.6	566.3	584.1
52.5°	260.6	260.8	264.7	272.7	285.2	303.7	333.5	379.6	441.9	507.4	540.8
55°	227.3	226.3	230.8	236.1	245.3	257.4	278.8	314.1	364.8	429.1	472.5
57.5°	196.6	199.2	201.0	204.7	212.3	220.5	238.5	264.4	304.6	359.8	405.7
60°	178.7	181.3	182.7	186.4	192.5	199.5	213.5	234.5	268.3	316.0	361.4
62.5°	162.7	164.7	165.2	168.5	173.5	180.3	191.3	208.9	235.7	277.3	321.8
65°	139.6	139.6	140.5	144.0	146.3	152.4	160.8	173.6	195.1	227.5	265.6
67.5°	117.2	118.4	118.2	119.7	121.8	126.5	132.5	143.1	159.1	182.7	213.2
70°	102.7	103.6	103.4	104.5	106.8	109.9	114.8	124.8	136.2	156.5	182.7
72.5°	89.6	90.0	89.4	90.9	92.3	94.9	100.5	105.8	116.4	133.6	155.1
75°	68.6	69.1	69.6	70.5	71.9	73.3	76.0	81.4	88.5	101.3	115.0
77.5°	51.4	50.5	51.7	51.5	52.3	53.4	55.8	58.7	64.4	72.6	83.2
80°	38.8	39.0	39.0	39.2	40.4	41.1	43.1	45.2	49.7	55.7	63.2
82.5°	28.3	28.9	28.5	29.0	29.9	30.4	31.6	33.3	35.9	40.7	46.0
85°	15.5	14.2	14.7	15.1	15.1	15.5	16.4	17.1	18.5	20.3	22.4
87.5°	9.3	9.6	9.6	9.5	9.5	9.4	9.9	9.7	10.0	10.3	10.7
90°	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4	17.3	16.2	14.5
92.5°	47.6	47.1	46.6	46.2	45.6	44.6	43.1	41.7	40.2	38.7	36.8
95°	86.7	86.2	85.8	85.3	84.9	83.9	82.3	80.8	79.2	77.7	75.4
97.5°	131.5	131.2	131.0	130.7	130.4	129.6	128.1	126.5	125.1	123.6	120.5
100°	165.3	164.9	164.4	164.0	163.6	162.3	160.3	158.2	156.2	154.2	151.4
102.5°	199.2	198.6	197.9	197.3	196.7	195.3	193.1	190.9	188.7	186.5	185.0
105°	250.0	249.3	248.7	248.0	247.3	246.3	245.0	243.7	242.3	241.0	239.6
107.5°	302.1	302.2	302.2	302.2	302.3	301.9	301.2	300.5	299.9	299.2	298.2
110°	340.7	341.0	341.2	341.4	341.6	341.4	340.7	340.1	339.4	338.7	338.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	378.7	379.1	379.5	379.9	380.3	380.3	380.0	379.7	379.4	379.1	378.2
115°	438.6	438.8	439.0	439.2	439.5	439.7	439.9	440.1	440.4	440.6	440.1
117.5°	497.1	498.0	498.9	499.7	500.6	501.0	500.8	500.6	500.5	500.3	499.9
120°	537.3	538.3	539.2	540.1	541.0	541.4	541.4	541.4	541.4	541.4	541.2
122.5°	577.7	578.5	579.2	579.9	580.6	581.0	581.2	581.4	581.6	581.7	581.2
125°	638.2	638.4	638.6	638.8	639.0	639.4	639.9	640.4	640.8	641.3	641.0
127.5°	696.3	696.7	697.1	697.6	698.0	698.4	698.6	698.8	699.0	699.3	699.0
130°	735.0	735.4	735.9	736.3	736.8	737.1	737.3	737.5	737.8	738.0	737.5
132.5°	771.2	771.9	772.5	773.2	773.8	774.2	774.5	774.7	774.9	775.1	775.2
135°	827.7	828.6	829.5	830.4	831.3	831.7	831.7	831.7	831.7	831.7	831.5
137.5°	883.0	884.1	885.2	886.4	887.5	887.9	887.6	887.4	887.1	886.8	886.4
140°	918.5	919.6	920.7	921.8	922.9	923.3	922.8	922.4	921.9	921.5	920.8
142.5°	952.3	953.5	954.6	955.7	956.8	957.3	956.9	956.7	956.4	956.1	955.3
145°	1003.2	1003.8	1004.5	1005.2	1005.8	1006.2	1006.2	1006.2	1006.2	1006.2	1005.5
147.5°	1046.5	1048.0	1049.6	1051.1	1052.6	1053.1	1052.6	1052.0	1051.5	1051.0	1050.4
150°	1078.7	1079.2	1079.6	1080.2	1080.6	1080.8	1080.8	1080.8	1080.8	1080.8	1079.8
152.5°	1105.4	1106.2	1107.0	1107.8	1108.6	1108.7	1108.2	1107.7	1107.1	1106.6	1106.2
155°	1143.3	1144.4	1145.5	1146.7	1147.8	1147.9	1147.0	1146.1	1145.2	1144.3	1144.1
157.5°	1175.0	1176.4	1177.9	1179.4	1180.8	1181.1	1180.2	1179.3	1178.5	1177.6	1177.4
160°	1196.7	1197.9	1199.0	1200.1	1201.2	1201.3	1200.4	1199.5	1198.6	1197.7	1197.5
162.5°	1215.3	1216.6	1217.9	1219.2	1220.5	1220.6	1219.5	1218.4	1217.4	1216.3	1216.3
165°	1240.1	1241.4	1242.7	1244.2	1245.5	1245.7	1244.8	1243.9	1243.0	1242.1	1241.8
167.5°	1259.8	1261.2	1262.6	1264.0	1265.4	1265.5	1264.0	1262.7	1261.4	1260.0	1260.0
170°	1270.3	1271.9	1273.4	1275.1	1276.6	1276.7	1275.4	1274.0	1272.7	1271.3	1271.3
172.5°	1279.2	1280.6	1282.0	1283.3	1284.8	1284.8	1283.4	1282.1	1280.7	1279.4	1279.4
175°	1287.5	1289.0	1290.6	1292.2	1293.7	1293.8	1292.5	1291.2	1289.8	1288.5	1288.5
177.5°	1292.3	1293.5	1294.8	1296.1	1297.4	1297.4	1296.4	1295.3	1294.2	1293.1	1293.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	565.6	564.3	562.8	560.2	557.0	555.3	552.8	551.1	547.8	544.9	541.9
5°	594.3	588.2	582.7	575.4	567.5	562.4	556.3	549.6	542.5	535.3	527.4
7.5°	624.1	613.3	601.7	589.2	576.8	565.5	554.7	544.2	534.3	522.3	512.2
10°	644.0	630.5	616.0	599.1	582.4	567.9	553.3	540.5	527.4	513.4	501.0
12.5°	664.0	646.0	625.5	606.8	586.9	569.5	552.2	535.7	519.4	503.8	489.4
15°	678.1	662.3	643.4	616.7	594.3	570.3	547.4	526.2	506.3	489.1	470.9
17.5°	687.4	666.9	646.6	621.2	591.8	564.9	539.0	514.6	492.3	470.4	452.9
20°	689.0	668.0	646.8	621.9	591.8	561.0	535.0	505.9	481.9	459.2	437.8
22.5°	688.5	664.7	641.6	615.9	586.5	558.2	526.8	497.2	471.0	448.8	426.4
25°	683.3	657.8	628.8	603.0	574.0	543.9	512.2	481.4	454.8	429.4	407.2
27.5°	678.8	645.9	613.1	582.9	554.9	527.4	497.0	465.4	436.0	410.2	389.3
30°	673.5	637.2	600.4	568.9	540.2	513.4	484.6	453.8	423.0	397.9	375.5
32.5°	668.6	626.4	587.5	553.2	522.8	496.8	470.3	441.0	410.7	385.2	362.7
35°	659.2	610.5	565.8	527.1	494.7	467.9	445.7	418.4	390.6	365.9	344.5
37.5°	647.3	589.5	541.6	501.0	465.4	437.2	416.6	395.6	368.9	345.1	325.7
40°	637.9	574.5	523.8	482.3	445.5	416.1	396.9	377.1	355.0	332.8	312.3
42.5°	626.2	561.1	505.9	461.2	424.7	396.1	376.0	359.2	339.6	318.9	299.9
45°	604.6	536.7	477.0	428.9	392.0	363.8	343.1	330.4	315.7	296.1	280.0
47.5°	572.8	507.5	445.7	396.1	358.0	331.8	312.4	300.2	289.9	275.4	260.7
50°	544.6	485.6	423.0	373.9	335.8	309.4	291.4	280.4	271.7	260.4	248.0
52.5°	513.1	458.2	400.8	352.1	314.5	288.5	270.9	261.3	253.9	245.9	233.7
55°	462.9	416.3	363.0	316.9	282.2	256.7	241.3	232.9	226.8	220.8	213.3
57.5°	407.8	371.2	324.2	281.9	249.8	226.7	212.4	204.2	199.4	196.3	192.0
60°	368.9	337.7	297.1	258.5	227.3	206.7	192.8	186.4	182.5	180.0	176.6
62.5°	332.9	307.2	269.6	234.5	207.1	187.7	175.2	169.1	165.3	164.0	161.4
65°	279.8	259.9	228.9	199.8	176.4	159.9	149.4	143.5	141.2	139.8	140.0
67.5°	227.4	215.4	190.5	165.6	146.9	133.1	124.6	120.2	119.0	117.1	117.1
70°	195.5	186.4	165.4	143.7	127.1	116.4	109.0	104.3	103.1	102.2	102.0
72.5°	167.3	159.4	141.2	123.8	108.9	99.5	93.3	90.5	88.6	88.1	88.0
75°	125.7	121.4	106.8	93.1	82.8	76.3	72.1	69.6	68.2	67.9	68.2
77.5°	89.4	85.5	76.3	66.6	60.1	55.1	51.6	50.7	49.2	49.2	49.0
80°	67.2	64.6	58.8	51.1	45.7	41.5	39.7	38.1	37.6	36.9	37.6
82.5°	48.7	45.9	42.0	37.1	32.6	30.2	28.3	27.8	27.5	27.2	27.3
85°	24.0	24.2	21.9	18.2	16.4	14.9	13.7	13.7	13.5	13.3	13.5
87.5°	10.8	10.1	9.1	8.2	6.9	6.0	5.5	5.3	5.0	5.3	5.8
90°	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0	2.8	4.5	6.4
92.5°	34.8	32.9	31.0	29.4	28.2	26.9	25.7	24.4	25.7	26.9	28.2
95°	73.1	70.9	68.7	67.4	66.9	66.4	65.9	65.5	65.9	66.4	66.9
97.5°	117.4	114.3	111.3	109.6	109.5	109.3	109.1	108.9	109.1	109.3	109.5
100°	148.5	145.5	142.6	141.2	141.2	141.2	141.2	141.2	141.2	141.2	141.2
102.5°	183.6	182.1	180.6	179.5	178.5	177.6	176.7	175.8	176.7	177.6	178.5
105°	238.2	236.9	235.6	234.4	233.3	232.1	231.0	229.8	231.0	232.1	233.3
107.5°	297.2	296.1	295.1	294.1	293.0	291.8	290.6	289.5	290.6	291.8	293.0
110°	337.4	336.7	336.1	335.2	334.1	333.0	331.8	330.7	331.8	333.0	334.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	377.4	376.6	375.7	375.0	374.4	373.8	373.2	372.6	373.2	373.8	374.4
115°	439.7	439.2	438.8	438.1	437.3	436.4	435.5	434.5	435.5	436.4	437.3
117.5°	499.5	499.1	498.7	498.3	497.9	497.5	497.1	496.7	497.1	497.5	497.9
120°	541.0	540.7	540.5	539.9	538.8	537.6	536.4	535.3	536.4	537.6	538.8
122.5°	580.6	580.0	579.4	579.0	578.6	578.1	577.7	577.3	577.7	578.1	578.6
125°	640.8	640.6	640.4	639.5	638.2	636.8	635.5	634.2	635.5	636.8	638.2
127.5°	698.7	698.5	698.2	697.7	696.9	696.2	695.4	694.7	695.4	696.2	696.9
130°	737.1	736.7	736.2	735.4	734.3	733.2	732.1	730.9	732.1	733.2	734.3
132.5°	775.3	775.4	775.5	774.6	772.7	770.9	769.1	767.2	769.1	770.9	772.7
135°	831.3	831.1	830.9	830.1	828.7	827.4	826.1	824.8	826.1	827.4	828.7
137.5°	885.9	885.3	884.8	883.9	882.6	881.3	880.0	878.8	880.0	881.3	882.6
140°	920.2	919.5	918.8	917.9	916.8	915.6	914.5	913.4	914.5	915.6	916.8
142.5°	954.5	953.6	952.8	951.9	950.9	950.0	949.1	948.1	949.1	950.0	950.9
145°	1004.8	1004.2	1003.5	1002.7	1001.8	1000.9	1000.1	999.2	1000.1	1000.9	1001.8
147.5°	1049.9	1049.4	1048.8	1048.2	1047.8	1047.3	1046.8	1046.3	1046.8	1047.3	1047.8
150°	1079.0	1078.1	1077.2	1076.9	1077.1	1077.3	1077.5	1077.7	1077.5	1077.3	1077.1
152.5°	1105.9	1105.5	1105.2	1104.8	1104.5	1104.2	1103.9	1103.6	1103.9	1104.2	1104.5
155°	1143.9	1143.7	1143.4	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3	1143.3
157.5°	1177.1	1176.9	1176.7	1176.8	1177.3	1177.8	1178.3	1178.8	1178.3	1177.8	1177.3
160°	1197.3	1197.1	1196.9	1197.1	1197.7	1198.4	1199.1	1199.7	1199.1	1198.4	1197.7
162.5°	1216.2	1216.2	1216.1	1216.4	1216.8	1217.3	1217.8	1218.3	1217.8	1217.3	1216.8
165°	1241.6	1241.4	1241.2	1241.3	1241.7	1242.2	1242.6	1243.1	1242.6	1242.2	1241.7
167.5°	1260.0	1260.0	1260.0	1260.5	1261.4	1262.3	1263.1	1264.0	1263.1	1262.3	1261.4
170°	1271.3	1271.3	1271.3	1271.8	1272.7	1273.5	1274.4	1275.4	1274.4	1273.5	1272.7
172.5°	1279.4	1279.4	1279.4	1279.9	1280.7	1281.6	1282.5	1283.4	1282.5	1281.6	1280.7
175°	1288.5	1288.5	1288.5	1288.9	1289.8	1290.7	1291.6	1292.5	1291.6	1290.7	1289.8
177.5°	1293.4	1293.6	1293.8	1294.2	1294.9	1295.8	1296.5	1297.2	1296.5	1295.8	1294.9
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	540.3	538.2	536.5	532.8	530.7	528.0	525.7	528.2	525.5	526.6	524.9
5°	523.4	516.8	512.2	505.4	499.6	494.2	490.3	489.6	487.7	486.8	483.9
7.5°	503.1	494.9	487.0	478.1	470.6	463.0	458.2	454.1	451.5	448.0	445.6
10°	491.2	480.2	470.9	460.2	450.8	442.6	436.2	432.8	429.8	425.4	423.7
12.5°	476.5	465.1	453.7	442.2	433.2	424.1	418.6	413.6	411.5	406.6	406.1
15°	458.8	441.7	430.5	418.9	406.5	399.0	394.4	389.0	386.7	383.1	380.6
17.5°	437.7	422.4	408.5	396.4	385.8	379.5	373.7	370.0	366.0	363.7	359.5
20°	422.3	407.9	393.8	381.0	372.8	365.7	361.0	357.5	353.3	352.1	347.9
22.5°	409.5	393.5	380.1	369.3	360.4	352.2	347.2	344.8	341.9	338.3	337.5
25°	388.5	371.9	360.5	349.8	341.8	334.4	330.9	327.9	325.1	322.4	321.5
27.5°	370.4	355.6	342.0	332.3	325.4	318.6	315.6	311.8	309.8	307.7	305.2
30°	357.7	342.5	330.6	321.3	313.9	307.8	304.5	301.9	300.1	298.2	296.8
32.5°	344.7	330.6	319.1	309.9	302.5	297.9	295.0	293.2	291.1	288.9	287.1
35°	327.4	311.9	300.7	292.9	287.0	283.5	280.2	278.6	276.3	276.3	274.4
37.5°	307.9	294.6	284.7	277.5	272.3	269.1	265.6	264.5	263.0	262.0	261.4
40°	296.4	284.0	274.7	267.4	261.9	259.2	256.4	254.6	253.7	252.5	252.1
42.5°	284.4	272.6	263.7	257.0	252.1	249.9	247.3	246.0	244.1	242.6	242.3
45°	266.2	254.8	246.6	241.3	237.1	234.5	232.9	230.0	229.1	227.3	227.0
47.5°	249.0	238.0	230.0	225.6	222.0	219.8	217.3	214.5	213.4	212.5	212.4
50°	236.1	226.1	218.6	214.5	211.0	207.9	205.3	203.5	202.8	202.8	203.3
52.5°	223.1	214.5	208.2	203.1	199.8	196.5	194.1	193.0	192.0	193.1	193.9
55°	204.0	195.3	190.7	185.7	182.5	178.7	177.5	177.1	176.4	178.2	179.3
57.5°	183.7	177.6	172.2	167.3	164.4	162.2	160.7	160.4	161.7	162.6	165.6
60°	170.8	163.8	159.0	155.2	151.7	150.3	149.8	149.4	150.3	152.8	156.8
62.5°	156.6	151.0	145.6	142.9	140.3	137.9	137.8	138.1	140.0	143.0	146.9
65°	135.8	130.9	127.4	124.1	122.0	120.7	121.1	122.0	124.1	128.2	132.5
67.5°	114.6	111.3	108.2	105.5	103.5	103.5	104.0	105.4	107.9	112.4	116.4
70°	101.1	97.4	94.7	93.6	91.9	91.0	92.4	94.7	96.8	101.1	104.5
72.5°	87.5	84.2	82.2	81.4	80.7	80.0	80.5	83.0	85.8	90.0	94.1
75°	67.2	66.0	64.6	63.7	63.0	63.5	63.9	66.2	68.6	73.0	77.7
77.5°	49.1	47.9	47.0	46.8	46.4	46.7	48.0	49.7	51.9	55.1	58.7
80°	37.1	36.7	36.2	36.0	36.0	36.2	38.1	39.2	41.3	44.3	47.2
82.5°	27.1	26.8	26.7	26.6	26.8	26.9	28.0	29.5	31.2	33.5	36.0
85°	14.2	13.7	14.4	14.7	14.2	14.9	15.5	16.4	17.1	18.2	19.4
87.5°	6.3	7.0	7.2	7.7	8.0	8.7	8.7	9.7	10.2	10.8	10.8
90°	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4	19.5	20.6	21.5
92.5°	29.4	31.0	32.9	34.8	36.8	38.7	40.2	41.7	43.1	44.6	45.6
95°	67.4	68.7	70.9	73.1	75.4	77.7	79.2	80.8	82.3	83.9	84.9
97.5°	109.6	111.3	114.3	117.4	120.5	123.6	125.1	126.5	128.1	129.6	130.4
100°	141.2	142.6	145.5	148.5	151.4	154.2	156.2	158.2	160.3	162.3	163.6
102.5°	179.5	180.6	182.1	183.6	185.0	186.5	188.7	190.9	193.1	195.3	196.7
105°	234.4	235.6	236.9	238.2	239.6	241.0	242.3	243.7	245.0	246.3	247.3
107.5°	294.1	295.1	296.1	297.2	298.2	299.2	299.9	300.5	301.2	301.9	302.3
110°	335.2	336.1	336.7	337.4	338.1	338.7	339.4	340.1	340.7	341.4	341.6



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	375.0	375.7	376.6	377.4	378.2	379.1	379.4	379.7	380.0	380.3	380.3
115°	438.1	438.8	439.2	439.7	440.1	440.6	440.4	440.1	439.9	439.7	439.5
117.5°	498.3	498.7	499.1	499.5	499.9	500.3	500.5	500.6	500.8	501.0	500.6
120°	539.9	540.5	540.7	541.0	541.2	541.4	541.4	541.4	541.4	541.4	541.0
122.5°	579.0	579.4	580.0	580.6	581.2	581.7	581.6	581.4	581.2	581.0	580.6
125°	639.5	640.4	640.6	640.8	641.0	641.3	640.8	640.4	639.9	639.4	639.0
127.5°	697.7	698.2	698.5	698.7	699.0	699.3	699.0	698.8	698.6	698.4	698.0
130°	735.4	736.2	736.7	737.1	737.5	738.0	737.8	737.5	737.3	737.1	736.8
132.5°	774.6	775.5	775.4	775.3	775.2	775.1	774.9	774.7	774.5	774.2	773.8
135°	830.1	830.9	831.1	831.3	831.5	831.7	831.7	831.7	831.7	831.7	831.3
137.5°	883.9	884.8	885.3	885.9	886.4	886.8	887.1	887.4	887.6	887.9	887.5
140°	917.9	918.8	919.5	920.2	920.8	921.5	921.9	922.4	922.8	923.3	922.9
142.5°	951.9	952.8	953.6	954.5	955.3	956.1	956.4	956.7	956.9	957.3	956.8
145°	1002.7	1003.5	1004.2	1004.8	1005.5	1006.2	1006.2	1006.2	1006.2	1006.2	1005.8
147.5°	1048.2	1048.8	1049.4	1049.9	1050.4	1051.0	1051.5	1052.0	1052.6	1053.1	1052.6
150°	1076.9	1077.2	1078.1	1079.0	1079.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.6
152.5°	1104.8	1105.2	1105.5	1105.9	1106.2	1106.6	1107.1	1107.7	1108.2	1108.7	1108.6
155°	1143.3	1143.4	1143.7	1143.9	1144.1	1144.3	1145.2	1146.1	1147.0	1147.9	1147.8
157.5°	1176.8	1176.7	1176.9	1177.1	1177.4	1177.6	1178.5	1179.3	1180.2	1181.1	1180.8
160°	1197.1	1196.9	1197.1	1197.3	1197.5	1197.7	1198.6	1199.5	1200.4	1201.3	1201.2
162.5°	1216.4	1216.1	1216.2	1216.2	1216.3	1216.3	1217.4	1218.4	1219.5	1220.6	1220.5
165°	1241.3	1241.2	1241.4	1241.6	1241.8	1242.1	1243.0	1243.9	1244.8	1245.7	1245.5
167.5°	1260.5	1260.0	1260.0	1260.0	1260.0	1260.0	1261.4	1262.7	1264.0	1265.5	1265.4
170°	1271.8	1271.3	1271.3	1271.3	1271.3	1271.3	1272.7	1274.0	1275.4	1276.7	1276.6
172.5°	1279.9	1279.4	1279.4	1279.4	1279.4	1279.4	1280.7	1282.1	1283.4	1284.8	1284.8
175°	1288.9	1288.5	1288.5	1288.5	1288.5	1288.5	1289.8	1291.2	1292.5	1293.8	1293.7
177.5°	1294.2	1293.8	1293.6	1293.4	1293.3	1293.1	1294.2	1295.3	1296.4	1297.4	1297.4
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	523.8	525.1	524.0	525.5	524.0	525.1	523.8	524.9	526.6	525.5	528.2
5°	482.8	480.7	482.1	481.2	482.1	480.7	482.8	483.9	486.8	487.7	489.6
7.5°	444.9	442.9	440.6	439.5	440.6	442.9	444.9	445.6	448.0	451.5	454.1
10°	421.2	418.6	418.4	416.8	418.4	418.6	421.2	423.7	425.4	429.8	432.8
12.5°	403.8	401.4	398.8	398.1	398.8	401.4	403.8	406.1	406.6	411.5	413.6
15°	379.2	377.3	375.7	377.1	375.7	377.3	379.2	380.6	383.1	386.7	389.0
17.5°	358.7	357.2	356.9	355.2	356.9	357.2	358.7	359.5	363.7	366.0	370.0
20°	345.8	344.7	345.2	342.0	345.2	344.7	345.8	347.9	352.1	353.3	357.5
22.5°	335.6	333.3	333.0	332.3	333.0	333.3	335.6	337.5	338.3	341.9	344.8
25°	319.4	318.3	317.1	318.3	317.1	318.3	319.4	321.5	322.4	325.1	327.9
27.5°	305.4	304.0	303.7	303.9	303.7	304.0	305.4	305.2	307.7	309.8	311.8
30°	296.8	294.5	294.7	294.5	294.7	294.5	296.8	296.8	298.2	300.1	301.9
32.5°	287.5	285.9	285.6	285.2	285.6	285.9	287.5	287.1	288.9	291.1	293.2
35°	273.7	273.7	272.6	272.6	272.6	273.7	273.7	274.4	276.3	276.3	278.6
37.5°	260.7	260.5	259.8	259.9	259.8	260.5	260.7	261.4	262.0	263.0	264.5
40°	251.1	250.9	250.1	248.7	250.1	250.9	251.1	252.1	252.5	253.7	254.6
42.5°	241.8	241.0	240.7	240.1	240.7	241.0	241.8	242.3	242.6	244.1	246.0
45°	227.0	227.0	226.6	226.3	226.6	227.0	227.0	227.0	227.3	229.1	230.0
47.5°	212.8	213.2	214.1	213.9	214.1	213.2	212.8	212.4	212.5	213.4	214.5
50°	204.2	204.4	205.1	205.3	205.1	204.4	204.2	203.3	202.8	202.8	203.5
52.5°	194.7	196.0	196.9	196.7	196.9	196.0	194.7	193.9	193.1	192.0	193.0
55°	181.3	183.0	184.6	184.8	184.6	183.0	181.3	179.3	178.2	176.4	177.1
57.5°	168.1	170.4	172.1	172.7	172.1	170.4	168.1	165.6	162.6	161.7	160.4
60°	159.2	162.2	164.3	165.2	164.3	162.2	159.2	156.8	152.8	150.3	149.4
62.5°	150.6	154.0	156.0	156.2	156.0	154.0	150.6	146.9	143.0	140.0	138.1
65°	136.5	140.0	141.9	143.3	141.9	140.0	136.5	132.5	128.2	124.1	122.0
67.5°	121.4	124.9	126.9	128.1	126.9	124.9	121.4	116.4	112.4	107.9	105.4
70°	110.4	113.9	116.6	117.6	116.6	113.9	110.4	104.5	101.1	96.8	94.7
72.5°	99.6	102.7	104.9	106.0	104.9	102.7	99.6	94.1	90.0	85.8	83.0
75°	80.7	84.9	87.1	88.2	87.1	84.9	80.7	77.7	73.0	68.6	66.2
77.5°	62.2	66.0	67.4	68.0	67.4	66.0	62.2	58.7	55.1	51.9	49.7
80°	49.9	52.3	53.9	54.1	53.9	52.3	49.9	47.2	44.3	41.3	39.2
82.5°	38.4	40.3	40.8	41.4	40.8	40.3	38.4	36.0	33.5	31.2	29.5
85°	21.0	21.9	22.2	21.9	22.2	21.9	21.0	19.4	18.2	17.1	16.4
87.5°	11.3	11.3	11.4	11.9	11.4	11.3	11.3	10.8	10.8	10.2	9.7
90°	22.2	22.8	23.5	24.2	23.5	22.8	22.2	21.5	20.6	19.5	18.4
92.5°	46.2	46.6	47.1	47.6	47.1	46.6	46.2	45.6	44.6	43.1	41.7
95°	85.3	85.8	86.2	86.7	86.2	85.8	85.3	84.9	83.9	82.3	80.8
97.5°	130.7	131.0	131.2	131.5	131.2	131.0	130.7	130.4	129.6	128.1	126.5
100°	164.0	164.4	164.9	165.3	164.9	164.4	164.0	163.6	162.3	160.3	158.2
102.5°	197.3	197.9	198.6	199.2	198.6	197.9	197.3	196.7	195.3	193.1	190.9
105°	248.0	248.7	249.3	250.0	249.3	248.7	248.0	247.3	246.3	245.0	243.7
107.5°	302.2	302.2	302.2	302.1	302.2	302.2	302.2	302.3	301.9	301.2	300.5
110°	341.4	341.2	341.0	340.7	341.0	341.2	341.4	341.6	341.4	340.7	340.1



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	379.9	379.5	379.1	378.7	379.1	379.5	379.9	380.3	380.3	380.0	379.7
115°	439.2	439.0	438.8	438.6	438.8	439.0	439.2	439.5	439.7	439.9	440.1
117.5°	499.7	498.9	498.0	497.1	498.0	498.9	499.7	500.6	501.0	500.8	500.6
120°	540.1	539.2	538.3	537.3	538.3	539.2	540.1	541.0	541.4	541.4	541.4
122.5°	579.9	579.2	578.5	577.7	578.5	579.2	579.9	580.6	581.0	581.2	581.4
125°	638.8	638.6	638.4	638.2	638.4	638.6	638.8	639.0	639.4	639.9	640.4
127.5°	697.6	697.1	696.7	696.3	696.7	697.1	697.6	698.0	698.4	698.6	698.8
130°	736.3	735.9	735.4	735.0	735.4	735.9	736.3	736.8	737.1	737.3	737.5
132.5°	773.2	772.5	771.9	771.2	771.9	772.5	773.2	773.8	774.2	774.5	774.7
135°	830.4	829.5	828.6	827.7	828.6	829.5	830.4	831.3	831.7	831.7	831.7
137.5°	886.4	885.2	884.1	883.0	884.1	885.2	886.4	887.5	887.9	887.6	887.4
140°	921.8	920.7	919.6	918.5	919.6	920.7	921.8	922.9	923.3	922.8	922.4
142.5°	955.7	954.6	953.5	952.3	953.5	954.6	955.7	956.8	957.3	956.9	956.7
145°	1005.2	1004.5	1003.8	1003.2	1003.8	1004.5	1005.2	1005.8	1006.2	1006.2	1006.2
147.5°	1051.1	1049.6	1048.0	1046.5	1048.0	1049.6	1051.1	1052.6	1053.1	1052.6	1052.0
150°	1080.2	1079.6	1079.2	1078.7	1079.2	1079.6	1080.2	1080.6	1080.8	1080.8	1080.8
152.5°	1107.8	1107.0	1106.2	1105.4	1106.2	1107.0	1107.8	1108.6	1108.7	1108.2	1107.7
155°	1146.7	1145.5	1144.4	1143.3	1144.4	1145.5	1146.7	1147.8	1147.9	1147.0	1146.1
157.5°	1179.4	1177.9	1176.4	1175.0	1176.4	1177.9	1179.4	1180.8	1181.1	1180.2	1179.3
160°	1200.1	1199.0	1197.9	1196.7	1197.9	1199.0	1200.1	1201.2	1201.3	1200.4	1199.5
162.5°	1219.2	1217.9	1216.6	1215.3	1216.6	1217.9	1219.2	1220.5	1220.6	1219.5	1218.4
165°	1244.2	1242.7	1241.4	1240.1	1241.4	1242.7	1244.2	1245.5	1245.7	1244.8	1243.9
167.5°	1264.0	1262.6	1261.2	1259.8	1261.2	1262.6	1264.0	1265.4	1265.5	1264.0	1262.7
170°	1275.1	1273.4	1271.9	1270.3	1271.9	1273.4	1275.1	1276.6	1276.7	1275.4	1274.0
172.5°	1283.3	1282.0	1280.6	1279.2	1280.6	1282.0	1283.3	1284.8	1284.8	1283.4	1282.1
175°	1292.2	1290.6	1289.0	1287.5	1289.0	1290.6	1292.2	1293.7	1293.8	1292.5	1291.2
177.5°	1296.1	1294.8	1293.5	1292.3	1293.5	1294.8	1296.1	1297.4	1297.4	1296.4	1295.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	525.7	528.0	530.7	532.8	536.5	538.2	540.3	541.9	544.9	547.8	551.1
5°	490.3	494.2	499.6	505.4	512.2	516.8	523.4	527.4	535.3	542.5	549.6
7.5°	458.2	463.0	470.6	478.1	487.0	494.9	503.1	512.2	522.3	534.3	544.2
10°	436.2	442.6	450.8	460.2	470.9	480.2	491.2	501.0	513.4	527.4	540.5
12.5°	418.6	424.1	433.2	442.2	453.7	465.1	476.5	489.4	503.8	519.4	535.7
15°	394.4	399.0	406.5	418.9	430.5	441.7	458.8	470.9	489.1	506.3	526.2
17.5°	373.7	379.5	385.8	396.4	408.5	422.4	437.7	452.9	470.4	492.3	514.6
20°	361.0	365.7	372.8	381.0	393.8	407.9	422.3	437.8	459.2	481.9	505.9
22.5°	347.2	352.2	360.4	369.3	380.1	393.5	409.5	426.4	448.8	471.0	497.2
25°	330.9	334.4	341.8	349.8	360.5	371.9	388.5	407.2	429.4	454.8	481.4
27.5°	315.6	318.6	325.4	332.3	342.0	355.6	370.4	389.3	410.2	436.0	465.4
30°	304.5	307.8	313.9	321.3	330.6	342.5	357.7	375.5	397.9	423.0	453.8
32.5°	295.0	297.9	302.5	309.9	319.1	330.6	344.7	362.7	385.2	410.7	441.0
35°	280.2	283.5	287.0	292.9	300.7	311.9	327.4	344.5	365.9	390.6	418.4
37.5°	265.6	269.1	272.3	277.5	284.7	294.6	307.9	325.7	345.1	368.9	395.6
40°	256.4	259.2	261.9	267.4	274.7	284.0	296.4	312.3	332.8	355.0	377.1
42.5°	247.3	249.9	252.1	257.0	263.7	272.6	284.4	299.9	318.9	339.6	359.2
45°	232.9	234.5	237.1	241.3	246.6	254.8	266.2	280.0	296.1	315.7	330.4
47.5°	217.3	219.8	222.0	225.6	230.0	238.0	249.0	260.7	275.4	289.9	300.2
50°	205.3	207.9	211.0	214.5	218.6	226.1	236.1	248.0	260.4	271.7	280.4
52.5°	194.1	196.5	199.8	203.1	208.2	214.5	223.1	233.7	245.9	253.9	261.3
55°	177.5	178.7	182.5	185.7	190.7	195.3	204.0	213.3	220.8	226.8	232.9
57.5°	160.7	162.2	164.4	167.3	172.2	177.6	183.7	192.0	196.3	199.4	204.2
60°	149.8	150.3	151.7	155.2	159.0	163.8	170.8	176.6	180.0	182.5	186.4
62.5°	137.8	137.9	140.3	142.9	145.6	151.0	156.6	161.4	164.0	165.3	169.1
65°	121.1	120.7	122.0	124.1	127.4	130.9	135.8	140.0	139.8	141.2	143.5
67.5°	104.0	103.5	103.5	105.5	108.2	111.3	114.6	117.1	117.1	119.0	120.2
70°	92.4	91.0	91.9	93.6	94.7	97.4	101.1	102.0	102.2	103.1	104.3
72.5°	80.5	80.0	80.7	81.4	82.2	84.2	87.5	88.0	88.1	88.6	90.5
75°	63.9	63.5	63.0	63.7	64.6	66.0	67.2	68.2	67.9	68.2	69.6
77.5°	48.0	46.7	46.4	46.8	47.0	47.9	49.1	49.0	49.2	49.2	50.7
80°	38.1	36.2	36.0	36.0	36.2	36.7	37.1	37.6	36.9	37.6	38.1
82.5°	28.0	26.9	26.8	26.6	26.7	26.8	27.1	27.3	27.2	27.5	27.8
85°	15.5	14.9	14.2	14.7	14.4	13.7	14.2	13.5	13.3	13.5	13.7
87.5°	8.7	8.7	8.0	7.7	7.2	7.0	6.3	5.8	5.3	5.0	5.3
90°	17.3	16.2	14.5	13.0	11.4	9.9	8.2	6.4	4.5	2.8	1.0
92.5°	40.2	38.7	36.8	34.8	32.9	31.0	29.4	28.2	26.9	25.7	24.4
95°	79.2	77.7	75.4	73.1	70.9	68.7	67.4	66.9	66.4	65.9	65.5
97.5°	125.1	123.6	120.5	117.4	114.3	111.3	109.6	109.5	109.3	109.1	108.9
100°	156.2	154.2	151.4	148.5	145.5	142.6	141.2	141.2	141.2	141.2	141.2
102.5°	188.7	186.5	185.0	183.6	182.1	180.6	179.5	178.5	177.6	176.7	175.8
105°	242.3	241.0	239.6	238.2	236.9	235.6	234.4	233.3	232.1	231.0	229.8
107.5°	299.9	299.2	298.2	297.2	296.1	295.1	294.1	293.0	291.8	290.6	289.5
110°	339.4	338.7	338.1	337.4	336.7	336.1	335.2	334.1	333.0	331.8	330.7



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.4	379.1	378.2	377.4	376.6	375.7	375.0	374.4	373.8	373.2	372.6
115°	440.4	440.6	440.1	439.7	439.2	438.8	438.1	437.3	436.4	435.5	434.5
117.5°	500.5	500.3	499.9	499.5	499.1	498.7	498.3	497.9	497.5	497.1	496.7
120°	541.4	541.4	541.2	541.0	540.7	540.5	539.9	538.8	537.6	536.4	535.3
122.5°	581.6	581.7	581.2	580.6	580.0	579.4	579.0	578.6	578.1	577.7	577.3
125°	640.8	641.3	641.0	640.8	640.6	640.4	639.5	638.2	636.8	635.5	634.2
127.5°	699.0	699.3	699.0	698.7	698.5	698.2	697.7	696.9	696.2	695.4	694.7
130°	737.8	738.0	737.5	737.1	736.7	736.2	735.4	734.3	733.2	732.1	730.9
132.5°	774.9	775.1	775.2	775.3	775.4	775.5	774.6	772.7	770.9	769.1	767.2
135°	831.7	831.7	831.5	831.3	831.1	830.9	830.1	828.7	827.4	826.1	824.8
137.5°	887.1	886.8	886.4	885.9	885.3	884.8	883.9	882.6	881.3	880.0	878.8
140°	921.9	921.5	920.8	920.2	919.5	918.8	917.9	916.8	915.6	914.5	913.4
142.5°	956.4	956.1	955.3	954.5	953.6	952.8	951.9	950.9	950.0	949.1	948.1
145°	1006.2	1006.2	1005.5	1004.8	1004.2	1003.5	1002.7	1001.8	1000.9	1000.1	999.2
147.5°	1051.5	1051.0	1050.4	1049.9	1049.4	1048.8	1048.2	1047.8	1047.3	1046.8	1046.3
150°	1080.8	1080.8	1079.8	1079.0	1078.1	1077.2	1076.9	1077.1	1077.3	1077.5	1077.7
152.5°	1107.1	1106.6	1106.2	1105.9	1105.5	1105.2	1104.8	1104.5	1104.2	1103.9	1103.6
155°	1145.2	1144.3	1144.1	1143.9	1143.7	1143.4	1143.3	1143.3	1143.3	1143.3	1143.3
157.5°	1178.5	1177.6	1177.4	1177.1	1176.9	1176.7	1176.8	1177.3	1177.8	1178.3	1178.8
160°	1198.6	1197.7	1197.5	1197.3	1197.1	1196.9	1197.1	1197.7	1198.4	1199.1	1199.7
162.5°	1217.4	1216.3	1216.3	1216.2	1216.2	1216.1	1216.4	1216.8	1217.3	1217.8	1218.3
165°	1243.0	1242.1	1241.8	1241.6	1241.4	1241.2	1241.3	1241.7	1242.2	1242.6	1243.1
167.5°	1261.4	1260.0	1260.0	1260.0	1260.0	1260.0	1260.5	1261.4	1262.3	1263.1	1264.0
170°	1272.7	1271.3	1271.3	1271.3	1271.3	1271.3	1271.8	1272.7	1273.5	1274.4	1275.4
172.5°	1280.7	1279.4	1279.4	1279.4	1279.4	1279.4	1279.9	1280.7	1281.6	1282.5	1283.4
175°	1289.8	1288.5	1288.5	1288.5	1288.5	1288.5	1288.9	1289.8	1290.7	1291.6	1292.5
177.5°	1294.2	1293.1	1293.3	1293.4	1293.6	1293.8	1294.2	1294.9	1295.8	1296.5	1297.2
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	552.8	555.3	557.0	560.2	562.8	564.3	565.6	566.7	568.0	569.2	572.4
5°	556.3	562.4	567.5	575.4	582.7	588.2	594.3	599.7	604.1	610.5	615.3
7.5°	554.7	565.5	576.8	589.2	601.7	613.3	624.1	634.1	643.2	654.2	663.9
10°	553.3	567.9	582.4	599.1	616.0	630.5	644.0	657.8	667.8	681.9	693.8
12.5°	552.2	569.5	586.9	606.8	625.5	646.0	664.0	674.1	689.3	700.5	714.7
15°	547.4	570.3	594.3	616.7	643.4	662.3	678.1	697.7	712.0	726.2	741.5
17.5°	539.0	564.9	591.8	621.2	646.6	666.9	687.4	706.3	723.3	742.4	761.5
20°	535.0	561.0	591.8	621.9	646.8	668.0	689.0	709.8	728.5	753.1	775.2
22.5°	526.8	558.2	586.5	615.9	641.6	664.7	688.5	712.1	736.9	764.6	792.3
25°	512.2	543.9	574.0	603.0	628.8	657.8	683.3	714.8	746.5	783.2	817.7
27.5°	497.0	527.4	554.9	582.9	613.1	645.9	678.8	714.6	756.2	802.4	851.1
30°	484.6	513.4	540.2	568.9	600.4	637.2	673.5	715.9	764.0	816.0	873.9
32.5°	470.3	496.8	522.8	553.2	587.5	626.4	668.6	715.2	773.0	832.0	891.6
35°	445.7	467.9	494.7	527.1	565.8	610.5	659.2	714.3	780.5	848.5	898.6
37.5°	416.6	437.2	465.4	501.0	541.6	589.5	647.3	712.7	783.0	837.2	853.3
40°	396.9	416.1	445.5	482.3	523.8	574.5	637.9	707.0	775.2	809.7	796.4
42.5°	376.0	396.1	424.7	461.2	505.9	561.1	626.2	695.3	752.5	765.5	719.5
45°	343.1	363.8	392.0	428.9	477.0	536.7	604.6	667.4	700.2	676.7	605.5
47.5°	312.4	331.8	358.0	396.1	445.7	507.5	572.8	622.9	625.5	569.3	493.2
50°	291.4	309.4	335.8	373.9	423.0	485.6	544.6	584.1	566.3	502.6	429.6
52.5°	270.9	288.5	314.5	352.1	400.8	458.2	513.1	540.8	507.4	441.9	379.6
55°	241.3	256.7	282.2	316.9	363.0	416.3	462.9	472.5	429.1	364.8	314.1
57.5°	212.4	226.7	249.8	281.9	324.2	371.2	407.8	405.7	359.8	304.6	264.4
60°	192.8	206.7	227.3	258.5	297.1	337.7	368.9	361.4	316.0	268.3	234.5
62.5°	175.2	187.7	207.1	234.5	269.6	307.2	332.9	321.8	277.3	235.7	208.9
65°	149.4	159.9	176.4	199.8	228.9	259.9	279.8	265.6	227.5	195.1	173.6
67.5°	124.6	133.1	146.9	165.6	190.5	215.4	227.4	213.2	182.7	159.1	143.1
70°	109.0	116.4	127.1	143.7	165.4	186.4	195.5	182.7	156.5	136.2	124.8
72.5°	93.3	99.5	108.9	123.8	141.2	159.4	167.3	155.1	133.6	116.4	105.8
75°	72.1	76.3	82.8	93.1	106.8	121.4	125.7	115.0	101.3	88.5	81.4
77.5°	51.6	55.1	60.1	66.6	76.3	85.5	89.4	83.2	72.6	64.4	58.7
80°	39.7	41.5	45.7	51.1	58.8	64.6	67.2	63.2	55.7	49.7	45.2
82.5°	28.3	30.2	32.6	37.1	42.0	45.9	48.7	46.0	40.7	35.9	33.3
85°	13.7	14.9	16.4	18.2	21.9	24.2	24.0	22.4	20.3	18.5	17.1
87.5°	5.5	6.0	6.9	8.2	9.1	10.1	10.8	10.7	10.3	10.0	9.7
90°	2.8	4.5	6.4	8.2	9.9	11.4	13.0	14.5	16.2	17.3	18.4
92.5°	25.7	26.9	28.2	29.4	31.0	32.9	34.8	36.8	38.7	40.2	41.7
95°	65.9	66.4	66.9	67.4	68.7	70.9	73.1	75.4	77.7	79.2	80.8
97.5°	109.1	109.3	109.5	109.6	111.3	114.3	117.4	120.5	123.6	125.1	126.5
100°	141.2	141.2	141.2	141.2	142.6	145.5	148.5	151.4	154.2	156.2	158.2
102.5°	176.7	177.6	178.5	179.5	180.6	182.1	183.6	185.0	186.5	188.7	190.9
105°	231.0	232.1	233.3	234.4	235.6	236.9	238.2	239.6	241.0	242.3	243.7
107.5°	290.6	291.8	293.0	294.1	295.1	296.1	297.2	298.2	299.2	299.9	300.5
110°	331.8	333.0	334.1	335.2	336.1	336.7	337.4	338.1	338.7	339.4	340.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.2	373.8	374.4	375.0	375.7	376.6	377.4	378.2	379.1	379.4	379.7
115°	435.5	436.4	437.3	438.1	438.8	439.2	439.7	440.1	440.6	440.4	440.1
117.5°	497.1	497.5	497.9	498.3	498.7	499.1	499.5	499.9	500.3	500.5	500.6
120°	536.4	537.6	538.8	539.9	540.5	540.7	541.0	541.2	541.4	541.4	541.4
122.5°	577.7	578.1	578.6	579.0	579.4	580.0	580.6	581.2	581.7	581.6	581.4
125°	635.5	636.8	638.2	639.5	640.4	640.6	640.8	641.0	641.3	640.8	640.4
127.5°	695.4	696.2	696.9	697.7	698.2	698.5	698.7	699.0	699.3	699.0	698.8
130°	732.1	733.2	734.3	735.4	736.2	736.7	737.1	737.5	738.0	737.8	737.5
132.5°	769.1	770.9	772.7	774.6	775.5	775.4	775.3	775.2	775.1	774.9	774.7
135°	826.1	827.4	828.7	830.1	830.9	831.1	831.3	831.5	831.7	831.7	831.7
137.5°	880.0	881.3	882.6	883.9	884.8	885.3	885.9	886.4	886.8	887.1	887.4
140°	914.5	915.6	916.8	917.9	918.8	919.5	920.2	920.8	921.5	921.9	922.4
142.5°	949.1	950.0	950.9	951.9	952.8	953.6	954.5	955.3	956.1	956.4	956.7
145°	1000.1	1000.9	1001.8	1002.7	1003.5	1004.2	1004.8	1005.5	1006.2	1006.2	1006.2
147.5°	1046.8	1047.3	1047.8	1048.2	1048.8	1049.4	1049.9	1050.4	1051.0	1051.5	1052.0
150°	1077.5	1077.3	1077.1	1076.9	1077.2	1078.1	1079.0	1079.8	1080.8	1080.8	1080.8
152.5°	1103.9	1104.2	1104.5	1104.8	1105.2	1105.5	1105.9	1106.2	1106.6	1107.1	1107.7
155°	1143.3	1143.3	1143.3	1143.3	1143.4	1143.7	1143.9	1144.1	1144.3	1145.2	1146.1
157.5°	1178.3	1177.8	1177.3	1176.8	1176.7	1176.9	1177.1	1177.4	1177.6	1178.5	1179.3
160°	1199.1	1198.4	1197.7	1197.1	1196.9	1197.1	1197.3	1197.5	1197.7	1198.6	1199.5
162.5°	1217.8	1217.3	1216.8	1216.4	1216.1	1216.2	1216.2	1216.3	1216.3	1217.4	1218.4
165°	1242.6	1242.2	1241.7	1241.3	1241.2	1241.4	1241.6	1241.8	1242.1	1243.0	1243.9
167.5°	1263.1	1262.3	1261.4	1260.5	1260.0	1260.0	1260.0	1260.0	1260.0	1261.4	1262.7
170°	1274.4	1273.5	1272.7	1271.8	1271.3	1271.3	1271.3	1271.3	1271.3	1272.7	1274.0
172.5°	1282.5	1281.6	1280.7	1279.9	1279.4	1279.4	1279.4	1279.4	1279.4	1280.7	1282.1
175°	1291.6	1290.7	1289.8	1288.9	1288.5	1288.5	1288.5	1288.5	1288.5	1289.8	1291.2
177.5°	1296.5	1295.8	1294.9	1294.2	1293.8	1293.6	1293.4	1293.3	1293.1	1294.2	1295.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	549.8	549.8	549.8	549.8	549.8	549.8	549.8
2.5°	575.0	576.4	579.7	578.6	580.0	580.8	581.5
5°	621.4	628.8	632.2	631.7	636.6	635.4	634.2
7.5°	673.9	681.7	686.1	691.6	694.7	695.0	697.7
10°	703.6	713.8	718.0	723.9	727.6	729.7	729.4
12.5°	726.3	734.4	743.8	746.6	751.6	754.4	753.4
15°	753.8	766.6	776.4	781.2	787.6	789.4	791.9
17.5°	778.2	795.4	806.8	822.0	827.8	831.3	829.2
20°	796.7	819.3	830.7	848.9	859.0	864.3	862.4
22.5°	818.5	843.0	864.1	879.9	895.1	902.4	903.9
25°	856.0	889.5	920.6	941.3	960.2	964.6	974.4
27.5°	897.8	937.4	970.6	992.4	1005.5	1010.5	1013.6
30°	924.0	963.5	988.5	1002.5	1006.6	1006.2	1005.7
32.5°	937.0	961.6	966.4	962.5	952.9	944.7	936.2
35°	918.7	900.3	872.7	837.3	811.1	784.8	782.1
37.5°	826.3	767.3	721.4	670.2	640.8	622.5	609.9
40°	739.2	672.3	616.7	573.6	543.5	531.6	519.9
42.5°	644.8	580.8	531.6	495.5	472.9	459.7	450.5
45°	523.8	467.4	428.9	402.7	384.8	374.6	368.7
47.5°	429.3	387.5	354.8	335.9	323.6	315.6	315.6
50°	378.5	338.6	316.9	301.9	291.2	284.9	286.1
52.5°	333.5	303.7	285.2	272.7	264.7	260.8	260.6
55°	278.8	257.4	245.3	236.1	230.8	226.3	227.3
57.5°	238.5	220.5	212.3	204.7	201.0	199.2	196.6
60°	213.5	199.5	192.5	186.4	182.7	181.3	178.7
62.5°	191.3	180.3	173.5	168.5	165.2	164.7	162.7
65°	160.8	152.4	146.3	144.0	140.5	139.6	139.6
67.5°	132.5	126.5	121.8	119.7	118.2	118.4	117.2
70°	114.8	109.9	106.8	104.5	103.4	103.6	102.7
72.5°	100.5	94.9	92.3	90.9	89.4	90.0	89.6
75°	76.0	73.3	71.9	70.5	69.6	69.1	68.6
77.5°	55.8	53.4	52.3	51.5	51.7	50.5	51.4
80°	43.1	41.1	40.4	39.2	39.0	39.0	38.8
82.5°	31.6	30.4	29.9	29.0	28.5	28.9	28.3
85°	16.4	15.5	15.1	15.1	14.7	14.2	15.5
87.5°	9.9	9.4	9.5	9.5	9.6	9.6	9.3
90°	19.5	20.6	21.5	22.2	22.8	23.5	24.2
92.5°	43.1	44.6	45.6	46.2	46.6	47.1	47.6
95°	82.3	83.9	84.9	85.3	85.8	86.2	86.7
97.5°	128.1	129.6	130.4	130.7	131.0	131.2	131.5
100°	160.3	162.3	163.6	164.0	164.4	164.9	165.3
102.5°	193.1	195.3	196.7	197.3	197.9	198.6	199.2
105°	245.0	246.3	247.3	248.0	248.7	249.3	250.0
107.5°	301.2	301.9	302.3	302.2	302.2	302.2	302.1
110°	340.7	341.4	341.6	341.4	341.2	341.0	340.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	380.0	380.3	380.3	379.9	379.5	379.1	378.7
115°	439.9	439.7	439.5	439.2	439.0	438.8	438.6
117.5°	500.8	501.0	500.6	499.7	498.9	498.0	497.1
120°	541.4	541.4	541.0	540.1	539.2	538.3	537.3
122.5°	581.2	581.0	580.6	579.9	579.2	578.5	577.7
125°	639.9	639.4	639.0	638.8	638.6	638.4	638.2
127.5°	698.6	698.4	698.0	697.6	697.1	696.7	696.3
130°	737.3	737.1	736.8	736.3	735.9	735.4	735.0
132.5°	774.5	774.2	773.8	773.2	772.5	771.9	771.2
135°	831.7	831.7	831.3	830.4	829.5	828.6	827.7
137.5°	887.6	887.9	887.5	886.4	885.2	884.1	883.0
140°	922.8	923.3	922.9	921.8	920.7	919.6	918.5
142.5°	956.9	957.3	956.8	955.7	954.6	953.5	952.3
145°	1006.2	1006.2	1005.8	1005.2	1004.5	1003.8	1003.2
147.5°	1052.6	1053.1	1052.6	1051.1	1049.6	1048.0	1046.5
150°	1080.8	1080.8	1080.6	1080.2	1079.6	1079.2	1078.7
152.5°	1108.2	1108.7	1108.6	1107.8	1107.0	1106.2	1105.4
155°	1147.0	1147.9	1147.8	1146.7	1145.5	1144.4	1143.3
157.5°	1180.2	1181.1	1180.8	1179.4	1177.9	1176.4	1175.0
160°	1200.4	1201.3	1201.2	1200.1	1199.0	1197.9	1196.7
162.5°	1219.5	1220.6	1220.5	1219.2	1217.9	1216.6	1215.3
165°	1244.8	1245.7	1245.5	1244.2	1242.7	1241.4	1240.1
167.5°	1264.0	1265.5	1265.4	1264.0	1262.6	1261.2	1259.8
170°	1275.4	1276.7	1276.6	1275.1	1273.4	1271.9	1270.3
172.5°	1283.4	1284.8	1284.8	1283.3	1282.0	1280.6	1279.2
175°	1292.5	1293.8	1293.7	1292.2	1290.6	1289.0	1287.5
177.5°	1296.4	1297.4	1297.4	1296.1	1294.8	1293.5	1292.3
180°	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6	1295.6

(END OF REPORT)