

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1030822

Luminaire Tested: S123DIW-B340D1535UB2750-4F0-XX-W2A-A_3500K

Issue Date: 5/7/2025

Test Information

Test Method: LM-79-2019
Report Number: P1030822
REPORT IS A COMBINATION OF REPORTS P991324 AND P1007351
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: NEO-RAY
Catalog Number: S123DIW-B340D1535UB2750-4F0-XX-W2A-A_3500K
Description: Define 3 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}
Light Source: -
Ballast/Driver: -

Summary

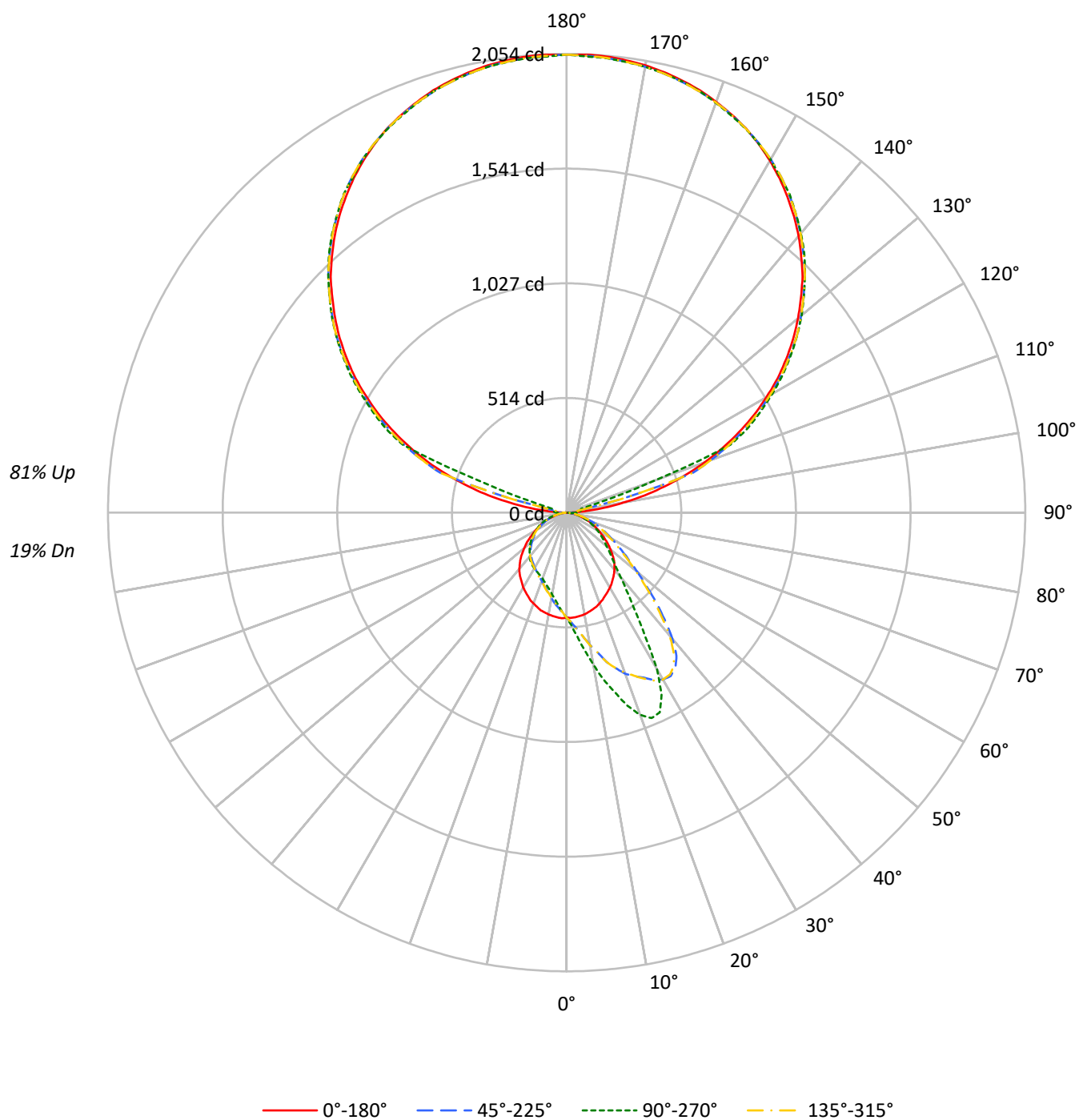
Lumens per Lamp: N/A
Luminaire Lumens: 7674.0 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.37 / 1.5
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 65.2
Input Voltage (V):
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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23
2	83	76	70	65	73	67	62	58	51	47	45	35	34	32	21	20	20
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17
4	69	59	51	46	61	52	46	41	40	35	32	28	25	23	17	16	14
5	63	52	45	39	55	46	40	35	35	31	27	25	22	20	15	14	13
6	58	47	39	34	51	41	35	30	32	27	24	22	20	17	14	12	11
7	53	42	34	29	47	37	31	26	29	24	21	20	17	15	13	11	10
8	49	38	31	26	44	34	27	23	26	21	18	18	16	13	12	10	9
9	46	34	27	23	40	31	25	20	24	19	16	17	14	12	11	9	8
10	43	31	25	20	38	28	22	18	22	17	14	16	13	11	10	8	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5061	5061	5061	5061
5°	5064	5831	5079	4352
10°	5032	7056	5037	3800
15°	4962	8368	5002	3421
20°	4903	9634	4913	3148
25°	4813	9878	4824	3005
30°	4750	8161	4750	2912
35°	4671	5458	4641	2829
40°	4577	3940	4521	2703
45°	4458	3121	4331	2547
50°	4171	2650	4023	2392
55°	3856	2329	3698	2220
60°	3535	2028	3347	2040
65°	3184	1736	3029	1799
70°	2818	1441	2630	1516
75°	2408	1086	2252	1171
80°	1906	726	1754	768
85°	1316	332	1047	304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 35°

Vertical Angle: 45°

Luminance: 8162 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	0.6
10°-20°	148.5	1.9
20°-30°	249.9	3.3
30°-40°	282.4	3.7
40°-50°	252.9	3.3
50°-60°	204.2	2.7
60°-70°	142.3	1.9
70°-80°	74.7	1.0
80°-90°	22.0	0.3
90°-100°	72.3	0.9
100°-110°	349.6	4.6
110°-120°	856.7	11.2
120°-130°	1087.5	14.2
130°-140°	1161.8	15.1
140°-150°	1086.4	14.2
150°-160°	876.3	11.4
160°-170°	565.5	7.4
170°-180°	194.9	2.5
0°-30°	444.6	5.8
0°-40°	727.0	9.5
0°-60°	1184.1	15.4
0°-90°	1423.1	18.5
90°-120°	1278.6	16.7
90°-150°	4614.2	60.1
90°-180°	6251.0	81.5
0°-180°	7674.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	470	470	470	470	470	
5°	470	558	471	417	470	45
15°	448	831	452	340	448	127
25°	410	987	411	300	410	189
35°	362	532	359	276	362	226
45°	300	287	292	234	300	230
55°	213	195	204	186	213	191
65°	132	127	125	131	132	131
75°	63	65	59	70	63	68
85°	14	15	11	14	14	16
90°	2	46	2	46	2	6
95°	93	58	93	58	93	111
105°	454	67	454	67	454	481
115°	852	896	852	896	852	841
125°	1200	1225	1200	1225	1200	1073
135°	1494	1510	1494	1510	1494	1151
145°	1724	1741	1724	1741	1724	1080
155°	1900	1897	1900	1897	1900	875
165°	2003	1999	2003	1999	2003	566
175°	2050	2043	2050	2043	2050	195
180°	2050	2050	2050	2050	2050	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	471.5	475.2	477.0	479.7	482.5	486.6	487.9	490.2	489.3	491.1	492.0
5°	469.7	476.1	481.5	488.4	494.8	499.3	503.9	511.2	516.6	517.5	521.6
7.5°	466.5	475.6	485.2	494.8	507.1	514.3	522.5	532.6	540.8	554.0	559.0
10°	462.4	475.2	488.8	502.0	518.9	530.3	540.3	557.2	574.0	587.7	600.4
12.5°	456.0	472.0	489.7	509.3	531.2	544.4	558.1	580.4	605.9	626.9	640.5
15°	448.3	468.3	491.1	512.1	536.2	560.8	575.4	600.4	636.9	656.5	691.6
17.5°	441.9	462.4	485.2	518.0	550.8	575.4	585.9	631.9	656.9	689.7	729.4
20°	431.9	457.9	487.0	519.8	562.2	577.2	598.6	645.1	676.1	718.9	767.6
22.5°	421.4	449.2	484.3	518.4	565.8	581.8	610.9	647.8	697.0	739.4	793.2
25°	410.0	440.1	475.6	516.2	562.6	585.9	613.2	658.8	712.1	765.4	815.0
27.5°	398.6	431.4	468.3	508.9	554.0	581.3	608.6	656.0	724.4	782.2	845.5
30°	387.7	420.5	457.4	498.9	546.2	572.7	598.6	657.9	733.9	799.1	862.9
32.5°	375.8	409.6	448.3	482.9	530.7	559.0	588.1	657.9	739.9	809.1	867.4
35°	361.7	396.4	429.6	464.2	511.6	543.0	575.8	653.3	745.3	812.3	848.3
37.5°	348.1	378.6	407.3	441.0	490.7	524.4	562.2	647.8	742.6	798.6	808.6
40°	332.6	363.1	386.3	417.8	470.2	509.3	547.6	640.5	730.7	766.3	737.1
42.5°	317.5	341.7	361.7	392.3	449.2	487.5	528.9	627.3	707.5	714.8	649.2
45°	300.2	317.5	335.3	369.9	426.4	465.6	511.6	608.2	670.2	649.2	566.3
47.5°	277.9	293.4	313.0	344.9	402.3	442.8	486.6	583.6	615.9	572.2	481.5
50°	256.5	269.7	287.9	318.9	376.8	416.4	462.9	544.9	560.8	492.0	415.0
52.5°	235.1	245.1	262.9	293.8	351.7	390.0	432.3	505.2	496.1	422.3	354.0
55°	212.8	221.4	238.3	268.8	322.5	359.0	399.5	456.5	432.8	362.6	308.0
57.5°	190.9	200.0	217.3	242.8	293.4	328.9	361.3	405.9	370.4	314.3	266.1
60°	171.3	179.0	192.3	217.3	263.3	292.0	321.6	352.2	322.5	268.3	231.4
62.5°	150.8	158.1	170.4	193.2	232.8	258.3	282.0	307.1	274.3	234.6	201.8
65°	131.7	137.6	149.0	169.9	202.3	223.2	242.4	259.7	233.3	196.8	172.2
67.5°	114.3	119.4	128.9	147.6	174.9	190.0	205.5	220.0	197.7	168.6	147.6
70°	95.7	99.8	108.4	122.1	144.0	159.5	170.8	181.8	161.7	138.5	124.4
72.5°	79.3	83.4	88.8	103.0	118.0	127.6	139.9	145.8	134.4	115.3	101.1
75°	63.3	66.5	71.5	80.6	94.8	101.1	108.9	113.4	103.0	90.2	81.5
77.5°	49.7	51.0	54.7	61.0	70.6	77.9	83.8	86.6	79.3	71.1	63.8
80°	35.1	36.9	39.6	45.1	52.4	54.7	58.3	61.5	56.9	49.7	45.1
82.5°	23.2	25.5	26.9	29.2	33.7	36.4	37.4	40.1	36.0	33.3	31.4
85°	13.7	14.6	15.0	16.4	18.7	20.0	21.4	21.9	21.0	20.5	18.7
87.5°	6.8	6.8	6.8	7.7	8.2	9.1	9.6	9.6	9.6	9.1	8.7
90°	1.5	4.9	8.3	11.7	15.1	16.8	19.0	23.4	27.8	32.2	36.6
92.5°	35.0	33.0	31.0	28.9	26.9	25.9	27.4	30.5	33.5	36.6	39.6
95°	92.9	79.0	65.2	51.3	37.4	30.5	32.4	36.1	39.8	43.5	47.2
97.5°	169.1	159.6	150.1	140.6	131.1	126.4	117.8	100.5	83.2	66.0	48.7
100°	257.4	264.2	271.0	277.7	284.5	287.9	261.5	208.7	155.9	103.1	50.3
102.5°	358.0	362.4	366.8	371.2	375.6	377.8	348.3	289.4	230.5	171.6	112.7
105°	454.0	457.7	461.4	465.1	468.8	470.7	455.5	425.0	394.5	364.1	333.6
107.5°	556.0	559.0	562.1	565.1	568.2	569.7	572.2	577.3	582.4	587.5	592.6
110°	658.1	660.8	663.5	666.2	668.9	670.3	672.2	675.9	679.6	683.3	687.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	755.6	758.0	760.3	762.7	765.0	766.2	768.1	771.8	775.5	779.3	783.0
115°	851.6	853.6	855.6	857.7	859.7	860.7	862.2	865.3	868.3	871.4	874.4
117.5°	946.0	948.4	950.8	953.1	955.5	956.7	957.5	959.2	960.9	962.6	964.3
120°	1032.8	1035.8	1038.9	1041.9	1045.0	1046.5	1047.0	1048.0	1049.1	1050.1	1051.1
122.5°	1121.2	1123.6	1125.9	1128.3	1130.6	1131.8	1132.5	1133.8	1135.2	1136.5	1137.9
125°	1200.4	1203.1	1205.8	1208.5	1211.2	1212.6	1213.3	1214.6	1216.0	1217.3	1218.7
127.5°	1279.6	1282.3	1285.0	1287.7	1290.4	1291.8	1292.6	1294.3	1296.0	1297.7	1299.4
130°	1352.7	1355.4	1358.1	1360.8	1363.5	1364.9	1365.6	1366.9	1368.3	1369.6	1371.0
132.5°	1422.8	1425.5	1428.2	1430.9	1433.6	1435.0	1435.5	1436.5	1437.6	1438.6	1439.6
135°	1494.4	1496.4	1498.4	1500.5	1502.5	1503.5	1504.2	1505.5	1506.9	1508.2	1509.6
137.5°	1555.3	1558.0	1560.7	1563.4	1566.1	1567.5	1567.8	1568.5	1569.2	1569.9	1570.6
140°	1616.3	1618.3	1620.3	1622.4	1624.4	1625.4	1625.9	1626.9	1628.0	1629.0	1630.0
142.5°	1672.6	1674.6	1676.7	1678.7	1680.8	1681.8	1682.3	1683.3	1684.3	1685.3	1686.3
145°	1724.4	1726.8	1729.2	1731.5	1733.9	1735.1	1735.4	1736.1	1736.8	1737.4	1738.1
147.5°	1774.7	1776.4	1778.1	1779.8	1781.5	1782.3	1782.6	1783.3	1784.0	1784.7	1785.4
150°	1820.4	1821.4	1822.4	1823.5	1824.5	1825.0	1825.3	1826.0	1826.7	1827.3	1828.0
152.5°	1861.5	1861.9	1862.2	1862.6	1862.9	1863.1	1863.3	1863.6	1863.9	1864.3	1864.6
155°	1899.6	1898.9	1898.3	1897.6	1896.9	1896.6	1896.8	1897.1	1897.4	1897.8	1898.1
157.5°	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1929.9	1929.6	1929.3	1928.9	1928.6
160°	1957.5	1957.2	1956.8	1956.5	1956.2	1956.0	1955.8	1955.5	1955.2	1954.8	1954.5
162.5°	1983.4	1982.4	1981.4	1980.3	1979.3	1978.8	1978.6	1978.3	1978.0	1977.6	1977.3
165°	2003.2	2002.2	2001.2	2000.1	1999.1	1998.6	1998.4	1998.1	1997.8	1997.4	1997.1
167.5°	2020.0	2018.6	2017.3	2015.9	2014.6	2013.9	2013.9	2013.9	2013.9	2013.9	2013.9
170°	2033.7	2032.3	2031.0	2029.6	2028.3	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6
172.5°	2042.8	2041.1	2039.4	2037.7	2036.0	2035.2	2035.4	2035.7	2036.0	2036.4	2036.7
175°	2050.4	2048.7	2047.0	2045.3	2043.6	2042.8	2043.0	2043.3	2043.6	2044.0	2044.3
177.5°	2053.5	2051.8	2050.1	2048.4	2046.7	2045.9	2046.1	2046.4	2046.7	2047.1	2047.4
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	495.2	496.1	499.3	501.6	506.1	505.7	505.7	505.2	503.9	506.1	507.5
5°	529.8	537.6	538.5	548.5	549.0	553.1	555.8	553.5	559.0	558.5	554.4
7.5°	572.7	583.1	588.1	597.7	608.6	605.9	616.4	618.2	617.3	621.9	625.0
10°	619.6	637.8	650.6	668.3	672.9	675.6	682.5	688.4	700.2	691.1	697.0
12.5°	673.3	686.6	703.4	731.7	745.8	754.9	758.1	762.2	770.4	765.4	765.8
15°	718.4	736.2	764.9	800.0	804.1	815.5	812.7	837.3	849.2	831.4	841.4
17.5°	765.4	789.1	823.2	853.7	871.1	878.8	886.1	909.8	908.9	906.1	908.4
20°	795.4	834.2	876.5	917.1	922.1	928.0	947.6	957.6	955.8	963.5	968.6
22.5°	837.8	878.8	923.9	950.8	962.2	969.0	984.5	990.9	993.6	995.4	992.2
25°	873.3	917.1	950.3	974.0	980.9	984.5	989.5	991.3	990.0	986.8	989.5
27.5°	897.5	932.6	955.3	966.3	962.6	956.7	947.1	940.8	926.6	919.8	928.0
30°	907.5	923.0	929.8	911.6	893.4	878.8	860.6	826.9	800.4	808.2	797.7
32.5°	891.6	881.5	848.7	801.8	787.7	764.0	712.5	672.9	674.3	653.3	662.0
35°	844.6	799.1	737.1	666.1	647.4	634.6	578.1	569.5	551.2	531.7	537.1
37.5°	761.7	695.2	620.0	567.6	539.9	512.1	480.2	461.0	450.1	441.9	448.3
40°	660.6	579.5	517.5	470.6	446.9	429.2	407.3	388.2	375.8	374.5	376.8
42.5°	561.3	492.9	436.0	391.3	383.6	362.6	348.5	333.5	329.8	323.9	327.1
45°	475.2	419.6	372.7	336.2	327.1	321.6	304.3	294.8	290.7	287.0	292.5
47.5°	412.8	354.4	320.3	298.4	289.3	280.2	270.6	264.2	261.0	261.5	261.0
50°	352.6	309.8	279.7	262.9	257.4	251.0	243.3	239.2	237.8	233.7	236.9
52.5°	303.4	272.4	251.5	235.5	231.4	226.9	220.5	218.2	215.0	214.1	214.1
55°	263.8	239.6	222.8	212.3	207.3	203.6	200.0	197.3	195.0	195.0	195.0
57.5°	232.8	211.8	199.5	190.4	188.6	185.0	180.9	180.9	177.7	177.2	178.6
60°	206.4	187.7	178.1	170.4	167.7	166.7	162.6	162.6	161.7	159.5	161.3
62.5°	179.5	165.8	157.6	151.7	149.0	149.0	145.8	143.5	143.5	144.0	143.1
65°	154.9	144.9	137.6	133.0	131.7	129.8	129.4	127.6	126.2	126.6	126.2
67.5°	133.0	125.3	120.3	116.6	114.3	113.4	112.1	112.1	111.2	111.6	109.3
70°	113.4	105.7	101.6	97.9	97.0	97.0	95.2	95.7	94.8	96.1	95.2
72.5°	93.4	87.5	84.3	82.9	82.0	81.5	80.6	79.7	79.3	80.2	79.7
75°	75.6	70.6	68.3	67.4	66.5	66.5	66.1	65.6	65.1	65.1	65.1
77.5°	58.8	55.6	52.8	53.8	52.4	52.8	51.5	51.5	51.9	51.5	51.5
80°	43.3	41.0	41.0	40.1	38.3	39.2	39.2	37.8	37.4	38.3	36.9
82.5°	28.7	28.2	27.3	26.9	26.0	26.4	26.0	25.5	25.1	26.0	25.1
85°	16.9	16.9	16.4	15.5	16.4	15.9	15.5	15.5	15.0	15.0	15.0
87.5°	8.7	7.7	7.7	7.3	7.7	6.8	7.3	6.8	6.4	6.8	6.4
90°	38.0	39.3	40.7	42.0	42.7	43.0	43.7	44.4	45.0	45.7	45.0
92.5°	42.0	44.4	46.7	49.1	50.3	50.5	50.8	51.1	51.5	51.8	51.5
95°	49.6	52.0	54.3	56.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
97.5°	51.4	54.1	56.8	59.5	60.9	61.1	61.4	61.8	62.1	62.5	62.1
100°	53.0	55.7	58.4	61.1	62.5	62.7	63.0	63.3	63.7	64.0	63.7
102.5°	101.5	90.4	79.2	68.1	62.5	62.8	63.5	64.2	64.8	65.5	64.8
105°	273.7	213.8	153.9	94.0	64.0	64.3	65.0	65.7	66.3	67.0	66.3
107.5°	540.5	488.3	436.2	384.1	358.0	335.8	291.5	247.1	202.8	158.4	202.8
110°	675.8	664.7	653.5	642.4	636.8	612.6	564.2	515.7	467.3	418.9	467.3

TEST NUMBER: P1030822

CATALOG NUMBER: S123DIW-B340D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
112.5°	786.0	789.1	792.1	795.2	796.7	796.4	795.7	795.0	794.4	793.7	794.4
115°	877.8	881.2	884.5	887.9	889.6	890.3	891.6	893.0	894.3	895.7	894.3
117.5°	967.0	969.7	972.4	975.1	976.5	976.7	977.0	977.3	977.7	978.0	977.7
120°	1053.8	1056.5	1059.2	1061.9	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3
122.5°	1139.6	1141.3	1143.0	1144.7	1145.6	1145.8	1146.1	1146.4	1146.8	1147.1	1146.8
125°	1219.4	1220.0	1220.7	1221.4	1221.7	1222.0	1222.7	1223.4	1224.1	1224.8	1224.1
127.5°	1300.4	1301.4	1302.5	1303.5	1304.0	1303.7	1303.0	1302.3	1301.6	1300.9	1301.6
130°	1372.4	1373.7	1375.1	1376.4	1377.1	1376.8	1376.1	1375.4	1374.8	1374.1	1374.8
132.5°	1441.0	1442.3	1443.7	1445.0	1445.7	1445.2	1444.2	1443.1	1442.1	1441.1	1442.1
135°	1510.6	1511.6	1512.7	1513.7	1514.2	1513.7	1512.7	1511.6	1510.6	1509.6	1510.6
137.5°	1572.3	1574.0	1575.7	1577.4	1578.2	1577.9	1577.2	1576.5	1575.8	1575.1	1575.8
140°	1631.4	1632.7	1634.1	1635.4	1636.1	1635.8	1635.1	1634.4	1633.7	1633.0	1633.7
142.5°	1687.3	1688.3	1689.4	1690.4	1690.9	1690.4	1689.4	1688.3	1687.3	1686.3	1687.3
145°	1738.8	1739.5	1740.2	1740.9	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2
147.5°	1786.1	1786.7	1787.4	1788.1	1788.4	1787.6	1785.9	1784.2	1782.5	1780.8	1782.5
150°	1828.7	1829.4	1830.1	1830.8	1831.1	1830.6	1829.6	1828.5	1827.5	1826.5	1827.5
152.5°	1866.0	1867.3	1868.7	1870.0	1870.7	1869.9	1868.2	1866.5	1864.8	1863.1	1864.8
155°	1899.8	1901.5	1903.2	1904.9	1905.7	1904.7	1902.7	1900.6	1898.6	1896.6	1898.6
157.5°	1930.6	1932.6	1934.7	1936.7	1937.7	1936.3	1933.6	1930.9	1928.2	1925.5	1928.2
160°	1956.5	1958.5	1960.6	1962.6	1963.6	1962.4	1960.0	1957.7	1955.3	1952.9	1955.3
162.5°	1979.7	1982.1	1984.4	1986.8	1988.0	1987.0	1984.9	1982.9	1980.8	1978.8	1980.8
165°	1999.8	2002.5	2005.2	2007.9	2009.3	2008.1	2005.7	2003.4	2001.0	1998.6	2001.0
167.5°	2016.6	2019.3	2022.0	2024.7	2026.1	2024.7	2022.0	2019.3	2016.6	2013.9	2016.6
170°	2030.3	2033.0	2035.7	2038.4	2039.8	2038.4	2035.7	2033.0	2030.3	2027.6	2030.3
172.5°	2039.4	2042.1	2044.8	2047.5	2048.9	2047.4	2044.3	2041.3	2038.2	2035.2	2038.2
175°	2046.7	2049.1	2051.4	2053.8	2055.0	2053.6	2050.9	2048.2	2045.5	2042.8	2045.5
177.5°	2050.1	2052.8	2055.5	2058.2	2059.6	2057.9	2054.5	2051.1	2047.7	2044.3	2047.7
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

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CATALOG NUMBER: S123DIW-B340D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	503.9	505.2	501.6	500.7	500.7	502.5	501.1	488.8	491.1	488.4	487.5
5°	559.4	556.7	553.1	551.2	549.0	542.6	542.1	528.0	525.3	516.2	512.1
7.5°	620.5	618.2	607.3	605.9	605.0	599.1	584.0	569.0	558.1	547.6	537.6
10°	690.2	683.4	678.4	668.3	663.3	655.1	635.5	621.4	602.7	586.8	565.8
12.5°	774.0	766.3	749.4	742.1	735.8	713.0	693.4	677.4	641.0	630.1	604.1
15°	835.5	819.1	817.3	801.4	800.4	775.4	738.0	720.7	692.5	652.4	625.5
17.5°	902.0	887.5	876.1	856.9	854.2	830.5	803.2	760.8	729.8	691.6	657.4
20°	950.8	943.0	923.5	915.7	899.8	879.7	851.5	799.1	761.3	723.0	681.1
22.5°	989.5	981.8	966.3	955.8	946.7	920.7	887.0	842.4	790.4	740.3	697.0
25°	989.1	986.8	980.4	975.4	968.6	949.4	921.2	878.3	820.5	765.4	705.2
27.5°	933.0	939.4	950.3	955.8	954.4	951.7	935.8	899.8	847.8	782.2	714.8
30°	816.4	839.6	860.1	887.5	895.7	915.7	924.8	904.3	862.9	801.8	727.1
32.5°	677.0	710.7	755.3	770.4	796.3	835.1	878.3	886.1	860.1	813.2	734.8
35°	555.3	583.1	617.8	641.5	664.7	727.6	782.2	829.6	838.3	807.3	733.0
37.5°	459.7	479.3	509.8	529.8	551.2	605.0	681.5	743.0	786.3	787.2	728.0
40°	390.4	399.1	425.5	440.1	460.6	507.1	575.4	655.6	718.9	748.1	714.8
42.5°	330.7	342.1	364.0	374.9	388.2	428.7	473.8	549.9	628.2	690.7	690.2
45°	295.2	303.4	313.4	322.5	337.6	361.7	413.2	470.2	545.3	615.9	643.7
47.5°	263.8	271.5	281.5	284.3	294.3	317.1	348.5	398.2	468.3	538.5	590.9
50°	237.4	243.7	250.6	255.6	260.1	278.8	302.5	344.4	400.5	468.3	533.5
52.5°	216.9	221.4	227.3	230.1	234.2	247.8	266.1	297.0	343.0	405.0	468.3
55°	197.7	200.9	204.6	209.1	210.9	221.0	235.1	261.5	295.7	351.2	411.4
57.5°	180.0	181.3	183.6	186.3	188.6	197.3	209.6	227.3	257.4	300.2	357.2
60°	159.9	163.6	164.9	167.7	169.0	175.9	185.4	200.5	223.7	260.6	303.4
62.5°	143.1	145.3	147.6	149.0	152.2	154.4	162.2	175.9	195.0	222.3	261.0
65°	128.0	128.9	130.3	131.7	132.6	135.3	142.6	151.7	166.3	190.4	220.5
67.5°	110.7	111.6	113.4	113.9	114.8	118.4	122.5	130.3	142.6	160.8	185.4
70°	93.8	95.2	96.1	97.0	98.4	99.8	104.3	110.7	120.3	133.0	152.2
72.5°	79.3	80.6	80.6	81.5	81.1	82.9	87.5	92.0	98.4	108.9	125.7
75°	64.7	64.7	65.6	66.1	66.5	68.3	70.2	73.8	78.8	87.0	97.5
77.5°	51.0	50.6	51.5	51.5	51.5	52.8	54.7	56.5	59.7	65.6	73.8
80°	37.4	37.4	38.3	38.7	37.8	38.3	39.2	41.0	43.3	47.4	51.9
82.5°	24.6	26.4	26.0	26.4	26.0	26.9	27.3	27.8	28.7	30.5	33.7
85°	15.0	15.0	15.0	15.5	15.0	15.5	15.5	15.5	15.9	16.9	18.2
87.5°	6.4	6.4	6.4	6.8	6.4	6.4	6.8	6.4	6.8	6.8	7.3
90°	44.4	43.7	43.0	42.7	42.0	40.7	39.3	38.0	36.6	32.2	27.8
92.5°	51.1	50.8	50.5	50.3	49.1	46.7	44.4	42.0	39.6	36.6	33.5
95°	57.9	57.9	57.9	57.9	56.7	54.3	52.0	49.6	47.2	43.5	39.8
97.5°	61.8	61.4	61.1	60.9	59.5	56.8	54.1	51.4	48.7	66.0	83.2
100°	63.3	63.0	62.7	62.5	61.1	58.4	55.7	53.0	50.3	103.1	155.9
102.5°	64.2	63.5	62.8	62.5	68.1	79.2	90.4	101.5	112.7	171.6	230.5
105°	65.7	65.0	64.3	64.0	94.0	153.9	213.8	273.7	333.6	364.1	394.5
107.5°	247.1	291.5	335.8	358.0	384.1	436.2	488.3	540.5	592.6	587.5	582.4
110°	515.7	564.2	612.6	636.8	642.4	653.5	664.7	675.8	687.0	683.3	679.6

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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
112.5°	795.0	795.7	796.4	796.7	795.2	792.1	789.1	786.0	783.0	779.3	775.5
115°	893.0	891.6	890.3	889.6	887.9	884.5	881.2	877.8	874.4	871.4	868.3
117.5°	977.3	977.0	976.7	976.5	975.1	972.4	969.7	967.0	964.3	962.6	960.9
120°	1063.3	1063.3	1063.3	1063.3	1061.9	1059.2	1056.5	1053.8	1051.1	1050.1	1049.1
122.5°	1146.4	1146.1	1145.8	1145.6	1144.7	1143.0	1141.3	1139.6	1137.9	1136.5	1135.2
125°	1223.4	1222.7	1222.0	1221.7	1221.4	1220.7	1220.0	1219.4	1218.7	1217.3	1216.0
127.5°	1302.3	1303.0	1303.7	1304.0	1303.5	1302.5	1301.4	1300.4	1299.4	1297.7	1296.0
130°	1375.4	1376.1	1376.8	1377.1	1376.4	1375.1	1373.7	1372.4	1371.0	1369.6	1368.3
132.5°	1443.1	1444.2	1445.2	1445.7	1445.0	1443.7	1442.3	1441.0	1439.6	1438.6	1437.6
135°	1511.6	1512.7	1513.7	1514.2	1513.7	1512.7	1511.6	1510.6	1509.6	1508.2	1506.9
137.5°	1576.5	1577.2	1577.9	1578.2	1577.4	1575.7	1574.0	1572.3	1570.6	1569.9	1569.2
140°	1634.4	1635.1	1635.8	1636.1	1635.4	1634.1	1632.7	1631.4	1630.0	1629.0	1628.0
142.5°	1688.3	1689.4	1690.4	1690.9	1690.4	1689.4	1688.3	1687.3	1686.3	1685.3	1684.3
145°	1741.2	1741.2	1741.2	1741.2	1740.9	1740.2	1739.5	1738.8	1738.1	1737.4	1736.8
147.5°	1784.2	1785.9	1787.6	1788.4	1788.1	1787.4	1786.7	1786.1	1785.4	1784.7	1784.0
150°	1828.5	1829.6	1830.6	1831.1	1830.8	1830.1	1829.4	1828.7	1828.0	1827.3	1826.7
152.5°	1866.5	1868.2	1869.9	1870.7	1870.0	1868.7	1867.3	1866.0	1864.6	1864.3	1863.9
155°	1900.6	1902.7	1904.7	1905.7	1904.9	1903.2	1901.5	1899.8	1898.1	1897.8	1897.4
157.5°	1930.9	1933.6	1936.3	1937.7	1936.7	1934.7	1932.6	1930.6	1928.6	1928.9	1929.3
160°	1957.7	1960.0	1962.4	1963.6	1962.6	1960.6	1958.5	1956.5	1954.5	1954.8	1955.2
162.5°	1982.9	1984.9	1987.0	1988.0	1986.8	1984.4	1982.1	1979.7	1977.3	1977.6	1978.0
165°	2003.4	2005.7	2008.1	2009.3	2007.9	2005.2	2002.5	1999.8	1997.1	1997.4	1997.8
167.5°	2019.3	2022.0	2024.7	2026.1	2024.7	2022.0	2019.3	2016.6	2013.9	2013.9	2013.9
170°	2033.0	2035.7	2038.4	2039.8	2038.4	2035.7	2033.0	2030.3	2027.6	2027.6	2027.6
172.5°	2041.3	2044.3	2047.4	2048.9	2047.5	2044.8	2042.1	2039.4	2036.7	2036.4	2036.0
175°	2048.2	2050.9	2053.6	2055.0	2053.8	2051.4	2049.1	2046.7	2044.3	2044.0	2043.6
177.5°	2051.1	2054.5	2057.9	2059.6	2058.2	2055.5	2052.8	2050.1	2047.4	2047.1	2046.7
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	482.9	481.5	481.5	480.6	477.9	472.9	472.4	473.3	470.6	467.9	463.8
5°	506.6	497.9	495.2	492.5	487.0	477.9	474.3	471.1	466.1	460.1	453.8
7.5°	526.6	514.3	510.7	505.7	494.8	482.0	473.8	467.0	460.1	451.9	444.2
10°	551.7	533.9	525.3	518.0	503.0	485.2	472.9	462.9	451.9	441.9	431.9
12.5°	579.9	551.2	548.5	530.7	513.4	487.0	472.0	457.4	442.8	430.5	420.0
15°	603.6	572.2	560.8	549.0	515.7	482.9	468.3	451.9	435.1	421.9	406.4
17.5°	618.7	592.7	568.6	552.6	518.0	488.8	460.6	441.9	424.1	405.9	393.2
20°	636.9	599.1	578.1	556.7	522.5	484.3	456.0	432.8	410.9	394.5	379.0
22.5°	655.1	604.1	586.8	563.5	523.5	479.7	447.8	424.6	399.5	383.1	366.3
25°	653.3	611.4	582.7	563.1	514.3	475.6	438.3	410.9	387.7	366.7	349.9
27.5°	654.7	603.2	574.0	551.2	508.0	469.7	428.2	399.5	375.4	353.5	335.8
30°	655.1	590.9	565.4	538.0	496.1	455.6	416.9	387.7	362.2	338.5	322.5
32.5°	653.8	580.9	549.0	524.4	477.4	441.9	403.6	372.7	346.7	324.8	309.8
35°	650.6	569.0	532.1	501.1	458.3	422.3	391.3	359.4	331.7	311.6	294.3
37.5°	641.9	556.3	514.3	483.8	436.0	399.5	372.2	345.8	318.9	295.2	280.6
40°	635.5	538.9	496.6	463.3	411.8	376.3	353.5	328.5	302.0	280.6	266.5
42.5°	620.9	522.5	478.4	438.7	388.2	351.7	330.3	310.2	287.5	266.5	253.8
45°	597.3	504.8	456.0	415.9	362.2	327.6	308.0	291.6	271.5	251.5	238.7
47.5°	564.0	479.3	432.3	392.3	336.7	301.6	282.0	269.7	253.8	236.9	226.0
50°	528.0	451.5	408.2	368.6	312.1	277.9	258.8	247.4	236.9	221.4	210.9
52.5°	481.1	421.9	380.4	342.6	285.6	252.8	236.0	227.8	216.9	205.9	196.8
55°	435.5	383.6	349.4	313.4	259.7	229.2	212.8	204.1	197.7	188.6	181.3
57.5°	382.7	348.1	316.6	283.8	235.5	207.7	192.3	181.8	177.7	173.6	166.7
60°	333.9	307.5	282.0	254.7	210.5	185.4	170.4	162.2	158.1	155.4	150.8
62.5°	289.3	268.8	246.9	225.1	185.0	162.2	150.8	142.6	139.0	138.5	134.4
65°	246.5	231.9	214.1	192.7	161.3	141.2	130.3	125.3	121.2	121.2	118.0
67.5°	203.6	193.6	179.5	164.5	139.9	121.2	111.2	106.6	104.3	104.3	102.0
70°	169.5	162.6	149.9	136.7	115.3	101.1	93.4	89.3	87.9	88.4	86.6
72.5°	137.6	130.3	119.8	110.2	94.3	83.8	78.4	73.8	71.5	72.0	71.5
75°	106.6	103.0	93.8	86.6	73.8	66.5	61.5	59.2	57.4	57.9	56.9
77.5°	80.2	74.7	69.7	64.7	56.9	51.0	46.9	44.6	43.3	43.3	43.3
80°	54.7	53.8	49.7	46.9	40.5	36.0	32.8	32.3	31.0	31.0	31.0
82.5°	35.5	33.3	31.0	29.2	25.5	22.8	21.4	20.5	20.0	19.6	20.5
85°	19.6	18.2	17.3	15.5	14.1	12.8	11.4	10.9	10.5	10.9	10.5
87.5°	7.7	6.4	6.4	5.9	5.5	5.0	5.0	4.1	4.1	3.6	3.6
90°	23.4	19.0	16.8	15.1	11.7	8.3	4.9	1.5	4.9	8.3	11.7
92.5°	30.5	27.4	25.9	26.9	28.9	31.0	33.0	35.0	33.0	31.0	28.9
95°	36.1	32.4	30.5	37.4	51.3	65.2	79.0	92.9	79.0	65.2	51.3
97.5°	100.5	117.8	126.4	131.1	140.6	150.1	159.6	169.1	159.6	150.1	140.6
100°	208.7	261.5	287.9	284.5	277.7	271.0	264.2	257.4	264.2	271.0	277.7
102.5°	289.4	348.3	377.8	375.6	371.2	366.8	362.4	358.0	362.4	366.8	371.2
105°	425.0	455.5	470.7	468.8	465.1	461.4	457.7	454.0	457.7	461.4	465.1
107.5°	577.3	572.2	569.7	568.2	565.1	562.1	559.0	556.0	559.0	562.1	565.1
110°	675.9	672.2	670.3	668.9	666.2	663.5	660.8	658.1	660.8	663.5	666.2

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CATALOG NUMBER: S123DIW-B340D1535UB2750-4F0-XX-W2A-A_3500K

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
112.5°	771.8	768.1	766.2	765.0	762.7	760.3	758.0	755.6	758.0	760.3	762.7
115°	865.3	862.2	860.7	859.7	857.7	855.6	853.6	851.6	853.6	855.6	857.7
117.5°	959.2	957.5	956.7	955.5	953.1	950.8	948.4	946.0	948.4	950.8	953.1
120°	1048.0	1047.0	1046.5	1045.0	1041.9	1038.9	1035.8	1032.8	1035.8	1038.9	1041.9
122.5°	1133.8	1132.5	1131.8	1130.6	1128.3	1125.9	1123.6	1121.2	1123.6	1125.9	1128.3
125°	1214.6	1213.3	1212.6	1211.2	1208.5	1205.8	1203.1	1200.4	1203.1	1205.8	1208.5
127.5°	1294.3	1292.6	1291.8	1290.4	1287.7	1285.0	1282.3	1279.6	1282.3	1285.0	1287.7
130°	1366.9	1365.6	1364.9	1363.5	1360.8	1358.1	1355.4	1352.7	1355.4	1358.1	1360.8
132.5°	1436.5	1435.5	1435.0	1433.6	1430.9	1428.2	1425.5	1422.8	1425.5	1428.2	1430.9
135°	1505.5	1504.2	1503.5	1502.5	1500.5	1498.4	1496.4	1494.4	1496.4	1498.4	1500.5
137.5°	1568.5	1567.8	1567.5	1566.1	1563.4	1560.7	1558.0	1555.3	1558.0	1560.7	1563.4
140°	1626.9	1625.9	1625.4	1624.4	1622.4	1620.3	1618.3	1616.3	1618.3	1620.3	1622.4
142.5°	1683.3	1682.3	1681.8	1680.8	1678.7	1676.7	1674.6	1672.6	1674.6	1676.7	1678.7
145°	1736.1	1735.4	1735.1	1733.9	1731.5	1729.2	1726.8	1724.4	1726.8	1729.2	1731.5
147.5°	1783.3	1782.6	1782.3	1781.5	1779.8	1778.1	1776.4	1774.7	1776.4	1778.1	1779.8
150°	1826.0	1825.3	1825.0	1824.5	1823.5	1822.4	1821.4	1820.4	1821.4	1822.4	1823.5
152.5°	1863.6	1863.3	1863.1	1862.9	1862.6	1862.2	1861.9	1861.5	1861.9	1862.2	1862.6
155°	1897.1	1896.8	1896.6	1896.9	1897.6	1898.3	1898.9	1899.6	1898.9	1898.3	1897.6
157.5°	1929.6	1929.9	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1
160°	1955.5	1955.8	1956.0	1956.2	1956.5	1956.8	1957.2	1957.5	1957.2	1956.8	1956.5
162.5°	1978.3	1978.6	1978.8	1979.3	1980.3	1981.4	1982.4	1983.4	1982.4	1981.4	1980.3
165°	1998.1	1998.4	1998.6	1999.1	2000.1	2001.2	2002.2	2003.2	2002.2	2001.2	2000.1
167.5°	2013.9	2013.9	2013.9	2014.6	2015.9	2017.3	2018.6	2020.0	2018.6	2017.3	2015.9
170°	2027.6	2027.6	2027.6	2028.3	2029.6	2031.0	2032.3	2033.7	2032.3	2031.0	2029.6
172.5°	2035.7	2035.4	2035.2	2036.0	2037.7	2039.4	2041.1	2042.8	2041.1	2039.4	2037.7
175°	2043.3	2043.0	2042.8	2043.6	2045.3	2047.0	2048.7	2050.4	2048.7	2047.0	2045.3
177.5°	2046.4	2046.1	2045.9	2046.7	2048.4	2050.1	2051.8	2053.5	2051.8	2050.1	2048.4
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	462.9	462.4	463.3	460.6	456.0	453.8	447.4	446.0	445.6	446.0	446.5
5°	450.1	449.7	448.3	443.7	438.3	434.2	426.4	426.0	423.2	420.5	421.9
7.5°	437.8	436.0	433.3	427.3	420.0	415.5	409.1	404.6	400.9	398.6	396.8
10°	425.5	422.8	420.0	412.3	403.2	396.4	388.6	385.0	380.9	379.0	377.2
12.5°	409.6	406.8	401.8	392.7	387.2	378.6	370.8	367.2	364.9	361.3	359.0
15°	396.8	391.3	388.6	379.0	367.6	366.7	352.6	351.7	347.1	347.1	343.5
17.5°	382.2	378.1	373.1	363.5	355.3	347.1	339.9	337.1	333.0	332.1	330.3
20°	368.1	362.6	360.8	351.2	342.6	332.6	324.8	322.1	320.3	318.4	319.8
22.5°	353.5	349.0	344.4	335.8	329.4	319.4	314.8	312.1	309.3	308.4	308.9
25°	339.4	335.3	330.7	322.1	315.3	307.1	303.0	301.6	300.2	300.2	299.8
27.5°	325.7	321.6	317.5	309.8	303.0	297.0	293.8	292.5	291.1	292.0	292.9
30°	311.6	308.0	304.3	297.5	292.0	286.6	284.7	283.8	283.4	285.6	285.6
32.5°	298.9	295.7	292.9	286.6	281.1	276.5	275.2	275.6	276.1	277.4	278.4
35°	285.6	283.4	280.6	275.2	270.6	266.5	267.0	267.0	267.9	270.2	272.0
37.5°	273.8	270.6	268.3	263.8	260.1	256.5	257.9	259.2	260.1	262.9	263.8
40°	259.7	258.3	256.5	251.9	248.7	248.3	248.7	249.7	251.5	252.8	254.2
42.5°	248.3	246.5	244.2	240.5	237.8	238.3	238.7	239.6	240.5	242.8	244.2
45°	235.5	234.2	232.3	229.2	226.9	227.3	227.8	227.8	228.7	231.4	232.3
47.5°	221.4	221.9	219.6	216.4	215.0	215.0	215.0	215.9	218.2	219.1	219.6
50°	207.7	206.8	206.4	203.2	202.3	201.8	202.3	202.7	205.9	205.5	206.8
52.5°	193.2	193.2	192.7	190.9	189.5	189.5	188.6	190.9	191.8	192.7	194.1
55°	179.0	177.7	177.2	176.3	174.5	174.0	174.9	177.7	178.6	179.5	180.9
57.5°	163.6	163.6	162.6	161.3	161.3	161.3	161.3	163.1	164.5	165.4	168.1
60°	149.4	147.6	146.2	146.2	146.2	145.8	148.5	148.5	151.3	151.7	152.6
62.5°	132.6	131.7	130.8	131.2	130.8	131.7	132.6	134.4	134.9	136.2	137.6
65°	116.6	116.6	115.7	118.4	116.6	116.6	118.9	118.9	119.8	121.2	123.0
67.5°	101.1	101.6	100.7	100.7	101.6	102.0	102.5	104.3	104.8	106.6	108.9
70°	85.2	86.1	86.6	85.6	86.6	87.5	88.4	88.8	90.7	91.6	92.9
72.5°	71.1	72.0	70.6	71.1	71.5	72.4	72.9	73.8	74.7	77.4	78.4
75°	56.9	56.5	56.0	57.9	56.9	58.8	59.2	59.2	60.1	62.4	63.3
77.5°	43.7	43.7	44.2	43.3	44.6	44.2	44.6	46.0	47.4	47.4	51.0
80°	30.5	31.4	31.4	31.4	31.9	32.3	31.4	33.7	34.2	34.2	35.5
82.5°	19.6	20.0	19.6	20.5	20.5	21.4	21.0	21.4	22.3	23.2	23.7
85°	10.5	10.5	11.4	11.4	10.9	11.4	10.9	11.4	12.3	12.3	12.8
87.5°	3.6	3.6	3.6	3.6	4.1	3.6	4.1	4.1	3.6	3.6	5.0
90°	15.1	16.8	19.0	23.4	27.8	32.2	36.6	38.0	39.3	40.7	42.0
92.5°	26.9	25.9	27.4	30.5	33.5	36.6	39.6	42.0	44.4	46.7	49.1
95°	37.4	30.5	32.4	36.1	39.8	43.5	47.2	49.6	52.0	54.3	56.7
97.5°	131.1	126.4	117.8	100.5	83.2	66.0	48.7	51.4	54.1	56.8	59.5
100°	284.5	287.9	261.5	208.7	155.9	103.1	50.3	53.0	55.7	58.4	61.1
102.5°	375.6	377.8	348.3	289.4	230.5	171.6	112.7	101.5	90.4	79.2	68.1
105°	468.8	470.7	455.5	425.0	394.5	364.1	333.6	273.7	213.8	153.9	94.0
107.5°	568.2	569.7	572.2	577.3	582.4	587.5	592.6	540.5	488.3	436.2	384.1
110°	668.9	670.3	672.2	675.9	679.6	683.3	687.0	675.8	664.7	653.5	642.4

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CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
112.5°	765.0	766.2	768.1	771.8	775.5	779.3	783.0	786.0	789.1	792.1	795.2
115°	859.7	860.7	862.2	865.3	868.3	871.4	874.4	877.8	881.2	884.5	887.9
117.5°	955.5	956.7	957.5	959.2	960.9	962.6	964.3	967.0	969.7	972.4	975.1
120°	1045.0	1046.5	1047.0	1048.0	1049.1	1050.1	1051.1	1053.8	1056.5	1059.2	1061.9
122.5°	1130.6	1131.8	1132.5	1133.8	1135.2	1136.5	1137.9	1139.6	1141.3	1143.0	1144.7
125°	1211.2	1212.6	1213.3	1214.6	1216.0	1217.3	1218.7	1219.4	1220.0	1220.7	1221.4
127.5°	1290.4	1291.8	1292.6	1294.3	1296.0	1297.7	1299.4	1300.4	1301.4	1302.5	1303.5
130°	1363.5	1364.9	1365.6	1366.9	1368.3	1369.6	1371.0	1372.4	1373.7	1375.1	1376.4
132.5°	1433.6	1435.0	1435.5	1436.5	1437.6	1438.6	1439.6	1441.0	1442.3	1443.7	1445.0
135°	1502.5	1503.5	1504.2	1505.5	1506.9	1508.2	1509.6	1510.6	1511.6	1512.7	1513.7
137.5°	1566.1	1567.5	1567.8	1568.5	1569.2	1569.9	1570.6	1572.3	1574.0	1575.7	1577.4
140°	1624.4	1625.4	1625.9	1626.9	1628.0	1629.0	1630.0	1631.4	1632.7	1634.1	1635.4
142.5°	1680.8	1681.8	1682.3	1683.3	1684.3	1685.3	1686.3	1687.3	1688.3	1689.4	1690.4
145°	1733.9	1735.1	1735.4	1736.1	1736.8	1737.4	1738.1	1738.8	1739.5	1740.2	1740.9
147.5°	1781.5	1782.3	1782.6	1783.3	1784.0	1784.7	1785.4	1786.1	1786.7	1787.4	1788.1
150°	1824.5	1825.0	1825.3	1826.0	1826.7	1827.3	1828.0	1828.7	1829.4	1830.1	1830.8
152.5°	1862.9	1863.1	1863.3	1863.6	1863.9	1864.3	1864.6	1866.0	1867.3	1868.7	1870.0
155°	1896.9	1896.6	1896.8	1897.1	1897.4	1897.8	1898.1	1899.8	1901.5	1903.2	1904.9
157.5°	1930.1	1930.1	1929.9	1929.6	1929.3	1928.9	1928.6	1930.6	1932.6	1934.7	1936.7
160°	1956.2	1956.0	1955.8	1955.5	1955.2	1954.8	1954.5	1956.5	1958.5	1960.6	1962.6
162.5°	1979.3	1978.8	1978.6	1978.3	1978.0	1977.6	1977.3	1979.7	1982.1	1984.4	1986.8
165°	1999.1	1998.6	1998.4	1998.1	1997.8	1997.4	1997.1	1999.8	2002.5	2005.2	2007.9
167.5°	2014.6	2013.9	2013.9	2013.9	2013.9	2013.9	2013.9	2016.6	2019.3	2022.0	2024.7
170°	2028.3	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2030.3	2033.0	2035.7	2038.4
172.5°	2036.0	2035.2	2035.4	2035.7	2036.0	2036.4	2036.7	2039.4	2042.1	2044.8	2047.5
175°	2043.6	2042.8	2043.0	2043.3	2043.6	2044.0	2044.3	2046.7	2049.1	2051.4	2053.8
177.5°	2046.7	2045.9	2046.1	2046.4	2046.7	2047.1	2047.4	2050.1	2052.8	2055.5	2058.2
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	446.0	446.5	444.6	443.3	446.9	444.6	444.6	445.1	444.2	445.6	445.1
5°	421.0	421.4	418.2	419.1	417.3	416.9	416.4	419.1	418.7	418.2	419.1
7.5°	396.4	396.4	395.0	394.1	394.1	392.7	394.5	394.1	395.0	395.0	396.4
10°	375.8	376.8	374.5	372.2	371.7	372.2	372.2	372.7	373.1	376.3	375.8
12.5°	359.0	357.6	357.2	355.8	353.5	352.6	351.7	356.7	355.3	355.3	355.3
15°	340.3	343.5	343.0	338.9	338.0	339.9	338.9	338.9	343.5	343.0	342.6
17.5°	330.3	329.4	328.5	326.2	326.6	326.2	326.6	326.6	329.4	329.4	329.4
20°	318.9	317.1	317.1	316.2	316.2	314.8	316.6	317.1	318.9	318.9	319.4
22.5°	308.9	307.5	307.5	307.1	308.0	306.1	308.0	308.4	308.4	309.8	309.8
25°	300.2	299.3	299.3	300.2	300.2	300.2	300.2	302.0	300.7	301.1	300.7
27.5°	292.5	292.9	293.4	293.8	293.4	293.8	294.3	295.2	295.7	295.2	294.3
30°	285.2	286.6	287.0	287.0	287.9	288.4	288.8	288.8	289.3	287.9	288.8
32.5°	279.7	279.7	280.6	281.1	282.0	282.5	282.5	283.4	282.9	281.5	282.0
35°	272.0	272.0	273.8	274.7	276.1	275.6	276.1	276.1	276.5	275.6	274.3
37.5°	264.2	265.1	265.1	267.0	267.4	267.9	267.4	268.3	267.9	267.0	266.5
40°	255.1	254.7	255.1	256.5	256.9	256.9	256.9	257.9	257.9	257.9	257.4
42.5°	243.7	245.1	244.6	246.0	245.6	245.6	246.5	247.4	247.8	246.5	246.9
45°	232.8	232.8	233.7	233.7	234.2	234.2	236.0	235.1	236.0	235.1	235.5
47.5°	221.0	221.4	221.4	221.9	222.8	223.7	222.8	223.2	223.2	223.7	222.8
50°	207.7	207.7	208.7	210.0	211.8	210.9	210.5	212.3	210.9	210.9	210.0
52.5°	194.1	195.4	195.9	197.3	198.6	199.1	199.5	198.6	199.1	197.7	198.2
55°	180.9	181.3	183.1	184.5	185.9	185.9	185.4	185.9	186.3	184.5	184.5
57.5°	167.7	169.0	170.8	170.8	172.7	172.7	172.2	172.2	172.7	171.3	170.8
60°	153.5	154.9	157.2	157.2	159.9	160.4	159.5	158.5	158.5	157.2	157.6
62.5°	138.5	139.9	141.2	143.5	145.3	144.4	146.2	144.4	144.9	142.1	142.1
65°	125.3	125.7	128.0	130.3	130.3	131.2	130.3	130.8	129.4	129.4	127.6
67.5°	109.8	109.8	112.1	114.3	116.6	116.6	116.6	115.3	115.3	113.9	113.9
70°	96.1	95.7	97.9	99.3	100.7	101.1	100.2	99.8	98.9	97.5	97.0
72.5°	79.3	80.2	82.5	83.4	85.6	85.2	87.5	84.7	84.7	82.5	82.0
75°	64.2	65.1	67.4	68.8	70.2	70.2	71.5	70.2	68.3	67.4	67.0
77.5°	51.0	50.6	52.4	54.7	55.1	54.7	55.6	55.1	53.3	53.3	52.4
80°	36.4	37.8	39.6	39.2	41.0	40.5	40.5	39.6	39.6	38.3	39.2
82.5°	24.1	25.5	26.0	25.5	26.0	26.9	27.3	26.9	26.9	26.0	26.4
85°	12.8	12.8	13.7	14.1	13.7	13.7	14.1	15.5	14.6	13.7	14.6
87.5°	4.1	3.6	3.6	4.1	3.6	3.6	4.1	4.1	4.6	4.6	4.6
90°	42.7	43.0	43.7	44.4	45.0	45.7	45.0	44.4	43.7	43.0	42.7
92.5°	50.3	50.5	50.8	51.1	51.5	51.8	51.5	51.1	50.8	50.5	50.3
95°	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
97.5°	60.9	61.1	61.4	61.8	62.1	62.5	62.1	61.8	61.4	61.1	60.9
100°	62.5	62.7	63.0	63.3	63.7	64.0	63.7	63.3	63.0	62.7	62.5
102.5°	62.5	62.8	63.5	64.2	64.8	65.5	64.8	64.2	63.5	62.8	62.5
105°	64.0	64.3	65.0	65.7	66.3	67.0	66.3	65.7	65.0	64.3	64.0
107.5°	358.0	335.8	291.5	247.1	202.8	158.4	202.8	247.1	291.5	335.8	358.0
110°	636.8	612.6	564.2	515.7	467.3	418.9	467.3	515.7	564.2	612.6	636.8

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
112.5°	796.7	796.4	795.7	795.0	794.4	793.7	794.4	795.0	795.7	796.4	796.7
115°	889.6	890.3	891.6	893.0	894.3	895.7	894.3	893.0	891.6	890.3	889.6
117.5°	976.5	976.7	977.0	977.3	977.7	978.0	977.7	977.3	977.0	976.7	976.5
120°	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3	1063.3
122.5°	1145.6	1145.8	1146.1	1146.4	1146.8	1147.1	1146.8	1146.4	1146.1	1145.8	1145.6
125°	1221.7	1222.0	1222.7	1223.4	1224.1	1224.8	1224.1	1223.4	1222.7	1222.0	1221.7
127.5°	1304.0	1303.7	1303.0	1302.3	1301.6	1300.9	1301.6	1302.3	1303.0	1303.7	1304.0
130°	1377.1	1376.8	1376.1	1375.4	1374.8	1374.1	1374.8	1375.4	1376.1	1376.8	1377.1
132.5°	1445.7	1445.2	1444.2	1443.1	1442.1	1441.1	1442.1	1443.1	1444.2	1445.2	1445.7
135°	1514.2	1513.7	1512.7	1511.6	1510.6	1509.6	1510.6	1511.6	1512.7	1513.7	1514.2
137.5°	1578.2	1577.9	1577.2	1576.5	1575.8	1575.1	1575.8	1576.5	1577.2	1577.9	1578.2
140°	1636.1	1635.8	1635.1	1634.4	1633.7	1633.0	1633.7	1634.4	1635.1	1635.8	1636.1
142.5°	1690.9	1690.4	1689.4	1688.3	1687.3	1686.3	1687.3	1688.3	1689.4	1690.4	1690.9
145°	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2	1741.2
147.5°	1788.4	1787.6	1785.9	1784.2	1782.5	1780.8	1782.5	1784.2	1785.9	1787.6	1788.4
150°	1831.1	1830.6	1829.6	1828.5	1827.5	1826.5	1827.5	1828.5	1829.6	1830.6	1831.1
152.5°	1870.7	1869.9	1868.2	1866.5	1864.8	1863.1	1864.8	1866.5	1868.2	1869.9	1870.7
155°	1905.7	1904.7	1902.7	1900.6	1898.6	1896.6	1898.6	1900.6	1902.7	1904.7	1905.7
157.5°	1937.7	1936.3	1933.6	1930.9	1928.2	1925.5	1928.2	1930.9	1933.6	1936.3	1937.7
160°	1963.6	1962.4	1960.0	1957.7	1955.3	1952.9	1955.3	1957.7	1960.0	1962.4	1963.6
162.5°	1988.0	1987.0	1984.9	1982.9	1980.8	1978.8	1980.8	1982.9	1984.9	1987.0	1988.0
165°	2009.3	2008.1	2005.7	2003.4	2001.0	1998.6	2001.0	2003.4	2005.7	2008.1	2009.3
167.5°	2026.1	2024.7	2022.0	2019.3	2016.6	2013.9	2016.6	2019.3	2022.0	2024.7	2026.1
170°	2039.8	2038.4	2035.7	2033.0	2030.3	2027.6	2030.3	2033.0	2035.7	2038.4	2039.8
172.5°	2048.9	2047.4	2044.3	2041.3	2038.2	2035.2	2038.2	2041.3	2044.3	2047.4	2048.9
175°	2055.0	2053.6	2050.9	2048.2	2045.5	2042.8	2045.5	2048.2	2050.9	2053.6	2055.0
177.5°	2059.6	2057.9	2054.5	2051.1	2047.7	2044.3	2047.7	2051.1	2054.5	2057.9	2059.6
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2	470.2
2.5°	446.5	447.4	447.8	446.0	444.6	446.9	450.1	452.4	454.2	456.5	457.9
5°	420.0	423.2	423.2	424.1	425.5	427.8	433.7	437.8	441.5	444.2	446.5
7.5°	397.7	400.0	401.4	403.6	405.9	409.1	415.9	421.9	427.3	430.5	434.2
10°	377.7	379.5	381.8	383.1	387.2	391.8	400.5	405.5	411.8	416.9	421.4
12.5°	358.5	364.9	366.3	365.8	369.5	374.5	383.1	390.9	397.7	402.7	407.7
15°	344.9	347.1	349.9	349.4	357.2	358.5	365.8	374.9	384.1	387.2	391.8
17.5°	329.8	333.5	336.2	337.6	339.9	344.9	351.7	358.5	370.4	370.8	382.7
20°	318.0	321.6	323.5	325.3	326.6	332.6	338.5	346.2	355.8	360.8	367.2
22.5°	310.2	312.1	313.4	314.8	316.6	319.8	327.1	335.8	342.1	347.6	351.7
25°	301.1	303.0	304.8	305.7	307.1	308.9	314.3	321.2	330.3	333.9	338.0
27.5°	294.8	294.8	295.7	295.7	297.5	299.3	303.4	309.8	317.1	321.6	327.1
30°	287.9	287.5	287.9	287.5	287.0	289.7	293.4	298.9	303.9	309.3	313.0
32.5°	281.1	280.6	280.6	281.1	279.3	280.6	282.5	287.5	292.9	295.7	299.8
35°	273.8	272.9	272.9	272.9	272.0	271.1	272.9	277.4	281.1	284.7	287.9
37.5°	266.5	265.1	265.1	264.2	263.3	262.0	262.0	265.6	270.6	272.0	276.1
40°	256.5	256.5	255.6	255.1	254.2	253.3	251.9	255.1	259.7	261.0	264.2
42.5°	246.5	245.1	244.6	244.6	244.6	243.3	242.4	244.6	247.4	249.7	251.5
45°	235.1	234.2	234.6	234.2	233.3	232.8	232.3	233.3	236.4	237.4	239.6
47.5°	222.8	222.3	222.3	221.9	221.4	221.9	220.0	222.3	223.2	224.1	226.0
50°	210.0	209.6	209.1	208.7	208.7	209.1	208.7	208.7	210.5	211.4	213.2
52.5°	197.3	195.9	195.9	195.4	195.4	194.5	195.4	195.9	196.8	197.7	198.6
55°	183.6	183.6	182.2	182.2	181.3	181.3	181.8	181.3	183.1	184.1	184.1
57.5°	170.4	168.6	169.0	168.1	167.2	166.7	166.7	167.7	168.6	168.6	169.5
60°	156.3	154.4	154.0	152.2	153.1	151.7	152.2	152.2	154.0	153.1	154.0
62.5°	142.1	139.9	138.5	137.6	137.6	138.0	137.1	136.7	137.6	138.5	140.3
65°	127.1	125.7	124.4	123.0	123.0	122.5	123.5	122.1	121.6	122.1	123.0
67.5°	111.6	110.2	108.9	107.5	108.0	106.6	105.7	107.1	106.1	106.6	107.5
70°	96.6	95.7	92.9	92.0	91.6	92.0	91.6	90.7	92.0	91.6	92.0
72.5°	81.5	80.6	79.3	77.0	77.0	76.5	76.1	76.1	75.6	75.6	75.6
75°	67.0	65.1	63.8	63.3	62.4	62.0	61.5	60.6	61.0	61.5	60.6
77.5°	51.9	49.7	49.2	49.2	47.8	47.8	48.3	47.8	47.4	47.4	47.4
80°	38.3	36.4	36.4	35.5	34.6	34.6	34.6	34.6	34.2	33.7	34.2
82.5°	24.6	24.1	23.7	23.7	24.6	22.8	23.7	23.2	22.8	22.8	22.3
85°	13.7	14.1	13.7	14.1	13.2	13.7	13.7	13.7	13.2	13.7	12.8
87.5°	5.0	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.9	5.5	5.5
90°	42.0	40.7	39.3	38.0	36.6	32.2	27.8	23.4	19.0	16.8	15.1
92.5°	49.1	46.7	44.4	42.0	39.6	36.6	33.5	30.5	27.4	25.9	26.9
95°	56.7	54.3	52.0	49.6	47.2	43.5	39.8	36.1	32.4	30.5	37.4
97.5°	59.5	56.8	54.1	51.4	48.7	66.0	83.2	100.5	117.8	126.4	131.1
100°	61.1	58.4	55.7	53.0	50.3	103.1	155.9	208.7	261.5	287.9	284.5
102.5°	68.1	79.2	90.4	101.5	112.7	171.6	230.5	289.4	348.3	377.8	375.6
105°	94.0	153.9	213.8	273.7	333.6	364.1	394.5	425.0	455.5	470.7	468.8
107.5°	384.1	436.2	488.3	540.5	592.6	587.5	582.4	577.3	572.2	569.7	568.2
110°	642.4	653.5	664.7	675.8	687.0	683.3	679.6	675.9	672.2	670.3	668.9

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CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
112.5°	795.2	792.1	789.1	786.0	783.0	779.3	775.5	771.8	768.1	766.2	765.0
115°	887.9	884.5	881.2	877.8	874.4	871.4	868.3	865.3	862.2	860.7	859.7
117.5°	975.1	972.4	969.7	967.0	964.3	962.6	960.9	959.2	957.5	956.7	955.5
120°	1061.9	1059.2	1056.5	1053.8	1051.1	1050.1	1049.1	1048.0	1047.0	1046.5	1045.0
122.5°	1144.7	1143.0	1141.3	1139.6	1137.9	1136.5	1135.2	1133.8	1132.5	1131.8	1130.6
125°	1221.4	1220.7	1220.0	1219.4	1218.7	1217.3	1216.0	1214.6	1213.3	1212.6	1211.2
127.5°	1303.5	1302.5	1301.4	1300.4	1299.4	1297.7	1296.0	1294.3	1292.6	1291.8	1290.4
130°	1376.4	1375.1	1373.7	1372.4	1371.0	1369.6	1368.3	1366.9	1365.6	1364.9	1363.5
132.5°	1445.0	1443.7	1442.3	1441.0	1439.6	1438.6	1437.6	1436.5	1435.5	1435.0	1433.6
135°	1513.7	1512.7	1511.6	1510.6	1509.6	1508.2	1506.9	1505.5	1504.2	1503.5	1502.5
137.5°	1577.4	1575.7	1574.0	1572.3	1570.6	1569.9	1569.2	1568.5	1567.8	1567.5	1566.1
140°	1635.4	1634.1	1632.7	1631.4	1630.0	1629.0	1628.0	1626.9	1625.9	1625.4	1624.4
142.5°	1690.4	1689.4	1688.3	1687.3	1686.3	1685.3	1684.3	1683.3	1682.3	1681.8	1680.8
145°	1740.9	1740.2	1739.5	1738.8	1738.1	1737.4	1736.8	1736.1	1735.4	1735.1	1733.9
147.5°	1788.1	1787.4	1786.7	1786.1	1785.4	1784.7	1784.0	1783.3	1782.6	1782.3	1781.5
150°	1830.8	1830.1	1829.4	1828.7	1828.0	1827.3	1826.7	1826.0	1825.3	1825.0	1824.5
152.5°	1870.0	1868.7	1867.3	1866.0	1864.6	1864.3	1863.9	1863.6	1863.3	1863.1	1862.9
155°	1904.9	1903.2	1901.5	1899.8	1898.1	1897.8	1897.4	1897.1	1896.8	1896.6	1896.9
157.5°	1936.7	1934.7	1932.6	1930.6	1928.6	1928.9	1929.3	1929.6	1929.9	1930.1	1930.1
160°	1962.6	1960.6	1958.5	1956.5	1954.5	1954.8	1955.2	1955.5	1955.8	1956.0	1956.2
162.5°	1986.8	1984.4	1982.1	1979.7	1977.3	1977.6	1978.0	1978.3	1978.6	1978.8	1979.3
165°	2007.9	2005.2	2002.5	1999.8	1997.1	1997.4	1997.8	1998.1	1998.4	1998.6	1999.1
167.5°	2024.7	2022.0	2019.3	2016.6	2013.9	2013.9	2013.9	2013.9	2013.9	2013.9	2014.6
170°	2038.4	2035.7	2033.0	2030.3	2027.6	2027.6	2027.6	2027.6	2027.6	2027.6	2028.3
172.5°	2047.5	2044.8	2042.1	2039.4	2036.7	2036.4	2036.0	2035.7	2035.4	2035.2	2036.0
175°	2053.8	2051.4	2049.1	2046.7	2044.3	2044.0	2043.6	2043.3	2043.0	2042.8	2043.6
177.5°	2058.2	2055.5	2052.8	2050.1	2047.4	2047.1	2046.7	2046.4	2046.1	2045.9	2046.7
180°	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4	2050.4

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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	470.2	470.2	470.2	470.2
2.5°	460.1	461.5	466.1	471.5
5°	451.0	454.7	461.0	469.7
7.5°	441.0	446.5	455.6	466.5
10°	429.6	437.4	448.7	462.4
12.5°	417.3	427.3	441.9	456.0
15°	409.6	419.6	432.8	448.3
17.5°	394.5	406.4	420.0	441.9
20°	379.0	392.3	410.0	431.9
22.5°	367.2	381.3	398.2	421.4
25°	353.1	367.6	385.9	410.0
27.5°	338.0	352.6	373.1	398.6
30°	326.6	340.8	360.4	387.7
32.5°	313.0	326.6	347.1	375.8
35°	297.5	313.0	332.6	361.7
37.5°	285.6	299.8	320.3	348.1
40°	272.9	285.2	305.2	332.6
42.5°	259.2	272.9	290.2	317.5
45°	246.5	256.5	274.3	300.2
47.5°	232.8	244.2	257.9	277.9
50°	218.2	227.8	242.8	256.5
52.5°	204.1	211.8	224.6	235.1
55°	189.1	196.8	206.4	212.8
57.5°	174.9	180.4	186.8	190.9
60°	157.6	163.1	167.2	171.3
62.5°	142.1	146.2	148.5	150.8
65°	126.2	128.5	129.8	131.7
67.5°	108.9	111.2	111.6	114.3
70°	92.9	93.4	94.3	95.7
72.5°	77.9	78.8	78.4	79.3
75°	62.4	63.3	62.4	63.3
77.5°	47.4	48.3	48.3	49.7
80°	34.2	34.6	35.1	35.1
82.5°	22.3	23.7	22.8	23.2
85°	12.8	13.2	13.2	13.7
87.5°	5.9	6.4	5.9	6.8
90°	11.7	8.3	4.9	1.5
92.5°	28.9	31.0	33.0	35.0
95°	51.3	65.2	79.0	92.9
97.5°	140.6	150.1	159.6	169.1
100°	277.7	271.0	264.2	257.4
102.5°	371.2	366.8	362.4	358.0
105°	465.1	461.4	457.7	454.0
107.5°	565.1	562.1	559.0	556.0
110°	666.2	663.5	660.8	658.1



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CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
112.5°	762.7	760.3	758.0	755.6
115°	857.7	855.6	853.6	851.6
117.5°	953.1	950.8	948.4	946.0
120°	1041.9	1038.9	1035.8	1032.8
122.5°	1128.3	1125.9	1123.6	1121.2
125°	1208.5	1205.8	1203.1	1200.4
127.5°	1287.7	1285.0	1282.3	1279.6
130°	1360.8	1358.1	1355.4	1352.7
132.5°	1430.9	1428.2	1425.5	1422.8
135°	1500.5	1498.4	1496.4	1494.4
137.5°	1563.4	1560.7	1558.0	1555.3
140°	1622.4	1620.3	1618.3	1616.3
142.5°	1678.7	1676.7	1674.6	1672.6
145°	1731.5	1729.2	1726.8	1724.4
147.5°	1779.8	1778.1	1776.4	1774.7
150°	1823.5	1822.4	1821.4	1820.4
152.5°	1862.6	1862.2	1861.9	1861.5
155°	1897.6	1898.3	1898.9	1899.6
157.5°	1930.1	1930.1	1930.1	1930.1
160°	1956.5	1956.8	1957.2	1957.5
162.5°	1980.3	1981.4	1982.4	1983.4
165°	2000.1	2001.2	2002.2	2003.2
167.5°	2015.9	2017.3	2018.6	2020.0
170°	2029.6	2031.0	2032.3	2033.7
172.5°	2037.7	2039.4	2041.1	2042.8
175°	2045.3	2047.0	2048.7	2050.4
177.5°	2048.4	2050.1	2051.8	2053.5
180°	2050.4	2050.4	2050.4	2050.4

(END OF REPORT)