

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: P332072

Luminaire Tested: **S123DIP-S1165D1025U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332072
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S1165D1025U835-4F0-1E-UDD-A
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1165 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1025 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8996.8 lumens
Efficiency: N/A
Efficacy: 134.7 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

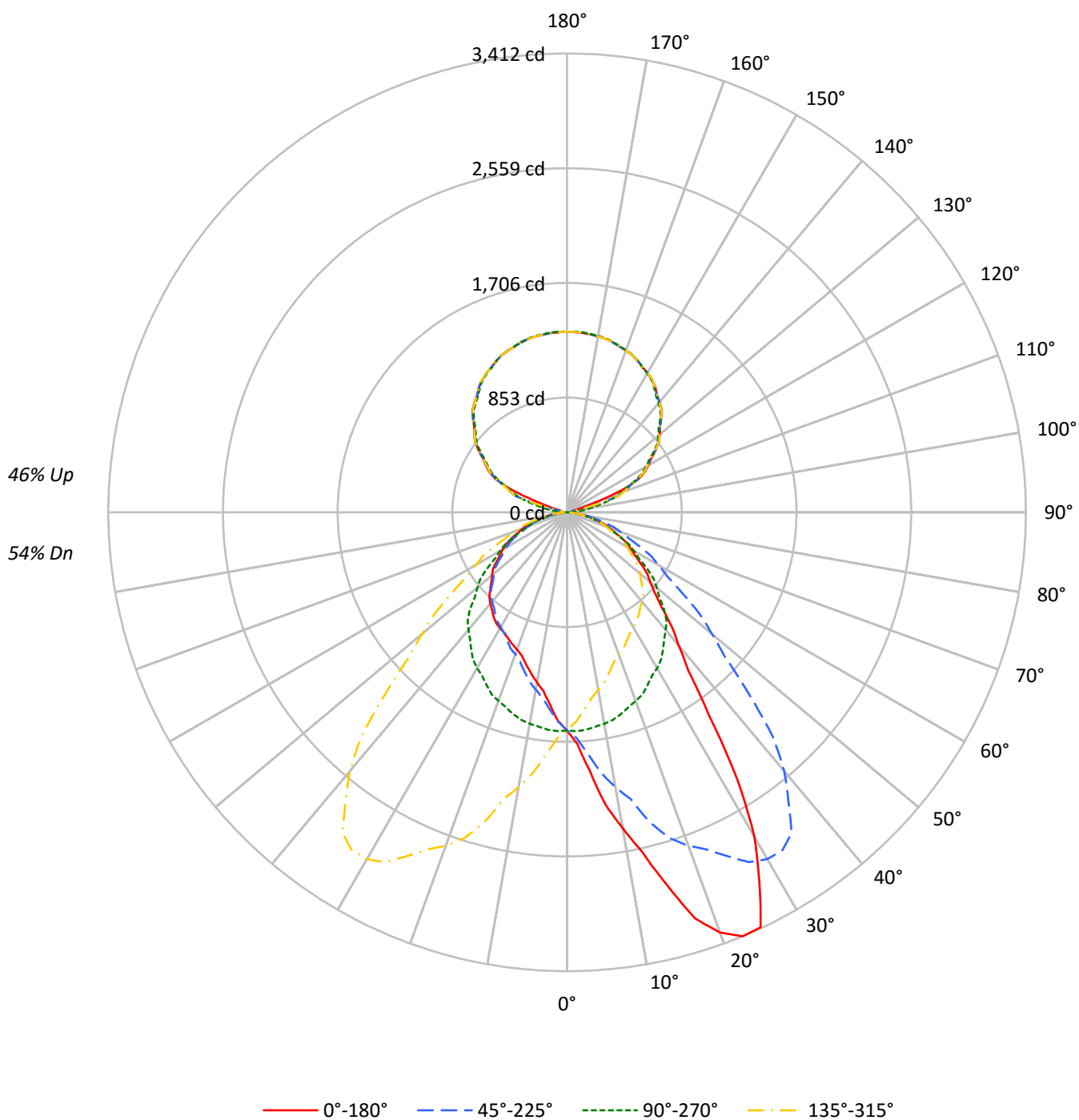
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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	63	61	54	53	51	46		
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	39		
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	42	40	38	34		
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29		
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	34	31	28	25		
6	64	52	44	38	59	49	42	36	43	37	33	37	32	29	31	28	25	22		
7	59	47	39	34	55	44	37	32	39	33	29	33	29	26	29	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	21	24	21	18	16		
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	22	19	16	15		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17460	17460	17460	17460
5°	20822	17535	15540	17535
10°	26063	17446	14036	17446
15°	31967	17306	13067	17306
20°	38080	17087	12441	17087
25°	40435	16820	12302	16820
30°	34657	16625	12367	16625
35°	24103	16348	12496	16348
40°	18156	16024	12456	16024
45°	15075	15541	12298	15541
50°	13504	14555	12188	14555
55°	12624	13495	12035	13495
60°	11842	12385	11911	12385
65°	11130	11291	11530	11291
70°	10439	10043	10980	10043
75°	9349	8792	10069	8792
80°	8182	7209	8672	7209
85°	6410	5236	5829	5236

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	1.8
10°-20°	512.4	5.7
20°-30°	859.9	9.6
30°-40°	973.7	10.8
40°-50°	873.2	9.7
50°-60°	704.7	7.8
60°-70°	491.0	5.5
70°-80°	258.1	2.9
80°-90°	66.9	0.7
90°-100°	48.8	0.5
100°-110°	232.8	2.6
110°-120°	559.2	6.2
120°-130°	712.1	7.9
130°-140°	760.8	8.5
140°-150°	711.5	7.9
150°-160°	573.9	6.4
160°-170°	370.4	4.1
170°-180°	127.6	1.4
0°-30°	1532.1	17.0
0°-40°	2505.8	27.9
0°-60°	4083.7	45.4
0°-90°	4899.7	54.5
90°-120°	840.8	9.3
90°-150°	3025.2	33.6
90°-180°	4097.0	45.5
0°-180°	8996.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1622	1622	1622	1622	1622	
5°	1927	1623	1438	1623	1927	200
15°	2869	1553	1173	1553	2869	828
25°	3405	1416	1036	1416	3405	1493
35°	1834	1244	951	1244	1834	1192
45°	990	1021	808	1021	990	784
55°	673	719	641	719	673	604
65°	437	443	453	443	437	435
75°	225	211	242	211	225	241
85°	52	42	47	42	52	62
90°	30	1	30	1	30	16
95°	38	61	38	61	38	32
105°	44	297	44	297	44	100
115°	587	558	587	558	587	542
125°	802	786	802	786	802	717
135°	989	979	989	979	989	763
145°	1141	1130	1141	1130	1141	712
155°	1243	1245	1243	1245	1243	573
165°	1310	1313	1310	1313	1310	370
175°	1338	1344	1338	1344	1338	127
180°	1344	1344	1344	1344	1344	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1
2.5°	1721.5	1720.2	1717.1	1719.6	1714.6	1707.6	1707.0	1700.7	1682.5	1681.2	1676.2
5°	1927.1	1920.8	1920.0	1919.2	1908.2	1893.3	1865.0	1862.6	1824.9	1806.0	1783.3
7.5°	2193.3	2196.6	2185.2	2175.1	2141.5	2119.3	2089.0	2050.2	2003.8	1956.8	1925.5
10°	2384.5	2410.4	2378.2	2356.2	2335.8	2297.2	2252.5	2196.6	2140.8	2075.6	2026.1
12.5°	2589.5	2602.2	2595.7	2575.0	2543.2	2484.6	2405.2	2343.8	2292.4	2183.8	2139.9
15°	2868.6	2916.6	2885.9	2815.2	2816.7	2760.9	2657.2	2543.2	2482.7	2387.6	2258.0
17.5°	3166.0	3172.0	3158.9	3100.0	3060.7	2984.0	2888.3	2779.0	2656.4	2541.4	2403.8
20°	3324.4	3319.7	3292.2	3261.6	3194.0	3134.3	3029.7	2907.9	2750.7	2637.6	2487.4
22.5°	3412.5	3404.6	3391.6	3365.9	3309.7	3245.5	3151.7	3018.6	2868.9	2713.0	2539.6
25°	3404.6	3414.8	3416.4	3409.3	3389.7	3351.2	3277.3	3171.2	3021.9	2821.5	2640.7
27.5°	3096.5	3111.0	3153.0	3190.2	3231.9	3274.3	3268.6	3216.0	3105.5	2932.4	2711.4
30°	2788.4	2757.0	2834.8	2933.1	2999.9	3117.7	3183.8	3187.7	3125.6	2977.1	2761.7
32.5°	2360.9	2395.5	2429.9	2550.8	2696.8	2829.2	2960.6	3066.4	3078.5	2979.6	2791.3
35°	1834.3	1877.6	1940.4	2003.3	2160.5	2295.7	2526.7	2727.9	2888.3	2909.5	2793.9
37.5°	1478.2	1499.5	1539.3	1602.3	1705.1	1865.5	2044.2	2298.5	2530.8	2703.6	2711.1
40°	1292.1	1298.3	1343.1	1391.1	1474.4	1606.4	1767.5	1992.3	2270.5	2511.8	2612.4
42.5°	1152.5	1166.3	1185.3	1231.4	1297.7	1397.1	1546.9	1732.6	1987.6	2265.3	2462.1
45°	990.3	1006.0	1017.8	1048.4	1095.6	1162.4	1266.9	1436.7	1630.8	1917.6	2182.5
47.5°	883.1	884.3	893.1	916.2	948.3	998.4	1072.3	1181.4	1359.6	1592.3	1864.2
50°	806.4	818.9	822.1	840.1	865.3	902.2	963.5	1056.3	1202.5	1406.8	1656.7
52.5°	752.3	756.1	764.9	777.9	799.9	828.7	881.8	954.4	1069.2	1243.3	1473.1
55°	672.7	672.7	681.4	691.6	704.2	730.1	765.5	818.9	906.2	1041.3	1231.5
57.5°	599.2	603.1	609.2	612.4	623.1	640.2	669.8	710.3	775.4	879.4	1030.7
60°	550.1	557.2	556.4	562.7	572.2	585.5	610.7	643.7	701.8	785.1	912.5
62.5°	507.4	506.9	506.8	514.3	523.7	536.5	552.8	581.4	630.8	704.7	813.1
65°	437.0	435.4	440.9	445.6	448.8	458.2	470.8	495.9	528.9	583.9	668.0
67.5°	374.4	369.9	372.8	374.4	379.8	387.1	398.9	414.5	440.7	484.9	548.3
70°	331.7	327.7	326.9	328.5	333.2	338.7	347.4	362.3	386.7	422.0	468.4
72.5°	287.6	285.0	284.8	288.3	290.5	294.1	300.2	313.9	333.2	359.8	403.0
75°	224.8	224.8	224.8	225.6	227.9	231.1	235.8	242.8	257.8	276.6	305.7
77.5°	168.5	168.3	167.4	167.2	170.7	172.1	173.2	179.8	188.1	200.9	222.1
80°	132.0	128.1	129.7	132.0	133.6	134.4	136.8	138.3	145.4	152.5	167.4
82.5°	98.1	94.8	95.1	98.7	99.0	99.8	102.2	104.4	107.0	113.5	121.5
85°	51.9	51.9	52.7	52.7	53.4	52.7	55.0	55.8	55.8	59.7	64.4
87.5°	24.9	23.5	24.0	24.6	23.9	24.4	24.8	25.3	25.7	26.2	26.2
90°	29.9	29.5	29.1	28.6	28.2	27.5	26.6	25.7	24.8	24.0	21.1
92.5°	33.1	32.9	32.6	32.3	32.1	31.2	29.8	28.4	27.0	25.6	23.4
95°	37.9	37.9	37.9	37.9	37.9	37.2	35.6	34.0	32.5	30.9	28.5
97.5°	41.1	40.9	40.7	40.5	40.2	39.2	37.5	35.7	33.9	32.1	48.1
100°	41.9	41.7	41.5	41.3	41.0	40.0	38.3	36.5	34.7	32.9	67.5
102.5°	42.7	42.3	41.9	41.5	41.1	43.7	49.2	54.7	60.2	65.7	103.5
105°	43.9	43.5	43.0	42.6	42.1	61.6	100.8	140.1	179.3	218.6	238.6
107.5°	137.9	167.5	197.1	226.7	256.3	285.5	314.3	343.1	371.9	400.7	397.5
110°	274.5	306.2	337.9	369.6	401.4	420.9	428.2	435.5	442.8	450.2	447.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	470.9	477.6	484.3	491.0	497.7	501.0	500.9	500.7	500.6	500.5	498.0
115°	586.9	586.0	585.1	584.2	583.4	581.8	579.6	577.4	575.2	572.9	570.9
117.5°	652.0	651.8	651.6	651.5	651.3	650.3	648.5	646.8	645.0	643.2	642.2
120°	696.7	696.7	696.7	696.7	696.7	695.8	694.0	692.3	690.5	688.7	688.1
122.5°	740.6	740.4	740.3	740.1	739.9	739.2	738.0	736.7	735.5	734.2	733.4
125°	802.5	802.1	801.6	801.2	800.7	800.3	799.8	799.4	799.0	798.5	797.6
127.5°	862.0	862.4	862.9	863.3	863.8	863.6	862.9	862.2	861.5	860.8	859.7
130°	900.3	900.8	901.2	901.7	902.1	901.9	901.0	900.1	899.2	898.3	897.4
132.5°	935.5	936.1	936.7	937.3	937.9	937.8	936.9	936.0	935.2	934.3	933.6
135°	989.2	989.8	990.5	991.2	991.8	991.8	991.2	990.5	989.8	989.2	988.3
137.5°	1039.7	1040.1	1040.6	1041.0	1041.4	1041.1	1040.1	1039.0	1037.9	1036.9	1036.4
140°	1070.0	1070.5	1070.9	1071.3	1071.8	1071.6	1070.7	1069.8	1068.9	1068.0	1067.4
142.5°	1098.0	1098.6	1099.2	1099.8	1100.4	1100.4	1099.7	1099.0	1098.3	1097.6	1096.9
145°	1140.9	1140.9	1140.9	1140.9	1140.9	1140.7	1140.2	1139.8	1139.3	1138.9	1138.4
147.5°	1172.8	1173.8	1174.9	1175.9	1176.9	1177.2	1176.7	1176.3	1175.9	1175.4	1175.0
150°	1196.8	1197.4	1198.1	1198.8	1199.4	1199.6	1199.1	1198.7	1198.2	1197.8	1197.3
152.5°	1215.9	1217.0	1218.0	1219.0	1220.0	1220.1	1219.3	1218.5	1217.7	1216.9	1216.7
155°	1242.7	1244.0	1245.4	1246.7	1248.0	1248.1	1247.0	1245.9	1244.8	1243.7	1243.5
157.5°	1265.3	1267.0	1268.7	1270.4	1272.2	1272.4	1271.0	1269.7	1268.4	1267.0	1267.3
160°	1279.6	1281.2	1282.7	1284.3	1285.8	1285.9	1284.6	1283.3	1282.0	1280.6	1280.8
162.5°	1293.2	1294.6	1295.9	1297.3	1298.7	1298.6	1297.1	1295.6	1294.1	1292.6	1292.8
165°	1309.6	1311.1	1312.7	1314.2	1315.8	1315.7	1313.9	1312.1	1310.3	1308.6	1308.8
167.5°	1321.3	1323.1	1324.9	1326.7	1328.4	1328.4	1326.7	1324.9	1323.1	1321.3	1321.3
170°	1328.5	1330.3	1332.1	1333.9	1335.6	1335.6	1333.9	1332.1	1330.3	1328.5	1328.5
172.5°	1332.5	1334.5	1336.4	1338.4	1340.3	1340.4	1338.6	1336.9	1335.1	1333.3	1333.1
175°	1338.5	1340.3	1342.1	1343.8	1345.6	1345.7	1344.2	1342.6	1341.1	1339.5	1339.3
177.5°	1340.3	1342.1	1343.9	1345.6	1347.4	1347.6	1346.2	1344.7	1343.3	1341.9	1341.7
180°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1
2.5°	1672.4	1667.4	1662.4	1653.6	1646.0	1635.3	1632.2	1628.4	1617.1	1607.1	1599.5
5°	1774.6	1755.7	1728.2	1703.1	1682.7	1655.2	1639.4	1622.9	1599.3	1578.1	1560.8
7.5°	1881.5	1844.4	1801.6	1755.4	1712.4	1670.9	1637.4	1607.5	1574.5	1543.2	1518.9
10°	1966.4	1912.9	1853.2	1788.8	1733.7	1680.3	1635.5	1596.2	1553.8	1516.8	1486.2
12.5°	2063.2	1984.0	1901.6	1823.3	1758.3	1684.1	1629.8	1579.9	1531.8	1487.3	1452.9
15°	2177.8	2077.2	1979.7	1872.1	1773.0	1680.3	1615.9	1553.0	1497.2	1451.6	1407.6
17.5°	2282.2	2168.2	2039.8	1908.8	1789.4	1679.4	1589.1	1518.1	1448.3	1392.5	1348.6
20°	2341.3	2211.6	2066.2	1930.2	1798.2	1675.6	1576.6	1491.7	1416.2	1357.3	1307.8
22.5°	2392.2	2240.5	2090.1	1944.7	1797.6	1665.5	1553.3	1465.9	1384.2	1326.5	1273.8
25°	2445.0	2263.5	2112.6	1942.0	1777.8	1641.0	1515.3	1416.2	1334.5	1266.9	1212.7
27.5°	2490.3	2261.9	2082.8	1899.4	1746.6	1609.6	1475.3	1369.1	1282.3	1208.9	1153.9
30°	2520.4	2265.0	2052.0	1870.5	1716.5	1575.0	1444.5	1337.6	1246.5	1171.8	1119.9
32.5°	2539.3	2263.1	2023.7	1830.3	1668.7	1543.5	1411.2	1300.5	1206.9	1133.5	1083.5
35°	2550.3	2249.3	1975.0	1747.1	1591.5	1469.7	1358.9	1244.1	1145.9	1077.5	1020.9
37.5°	2528.3	2220.2	1918.4	1666.9	1496.6	1376.6	1283.4	1185.6	1091.6	1016.4	967.6
40°	2493.7	2201.4	1874.4	1610.4	1431.2	1315.6	1236.3	1140.4	1047.6	976.1	930.5
42.5°	2427.7	2163.0	1826.0	1547.5	1363.3	1247.7	1174.6	1094.5	1006.8	939.6	894.1
45°	2266.6	2079.5	1753.4	1453.2	1263.0	1143.5	1079.1	1020.9	941.5	876.3	837.0
47.5°	2043.1	1954.0	1648.4	1353.7	1158.3	1043.4	976.4	929.6	871.6	818.9	781.2
50°	1887.8	1850.8	1577.3	1285.8	1088.5	976.1	911.7	869.2	827.6	774.9	740.3
52.5°	1708.6	1731.4	1494.4	1215.3	1017.5	907.0	846.3	812.6	774.8	731.5	701.4
55°	1456.3	1538.8	1351.0	1097.1	911.7	806.4	749.0	719.1	697.1	664.9	639.0
57.5°	1220.1	1325.1	1196.0	975.3	807.8	716.9	661.9	629.4	615.2	598.4	578.0
60°	1079.9	1183.6	1085.4	893.6	738.0	651.5	602.8	575.3	561.1	549.4	532.1
62.5°	954.7	1059.7	977.2	810.6	669.4	589.3	546.8	520.0	509.0	502.8	488.1
65°	782.8	873.2	818.1	681.4	571.4	500.6	462.1	443.3	433.0	430.7	421.3
67.5°	637.1	705.9	665.8	565.2	478.6	417.5	384.8	368.8	360.9	360.1	353.0
70°	541.5	605.9	575.3	484.1	409.5	361.5	333.2	319.1	314.4	313.6	309.7
72.5°	467.3	512.3	487.9	411.8	354.1	310.6	289.8	275.1	269.7	270.8	268.2
75°	345.8	379.6	365.5	312.8	266.4	238.1	220.8	211.4	206.7	209.1	205.9
77.5°	248.8	270.2	257.5	221.0	192.4	172.0	159.2	153.4	149.2	149.0	147.6
80°	187.8	200.4	193.3	171.3	147.8	130.5	120.2	116.3	114.0	113.2	112.4
82.5°	133.8	144.5	136.1	121.0	105.0	94.6	88.8	83.6	81.9	82.4	81.6
85°	67.6	71.5	68.4	58.9	52.7	47.9	44.8	42.4	40.9	41.7	40.1
87.5°	26.9	27.0	24.5	21.5	19.8	17.4	17.0	15.3	14.5	14.9	14.7
90°	18.2	15.3	12.4	9.9	7.7	5.4	3.2	1.0	3.2	5.4	7.7
92.5°	21.2	19.0	16.9	16.1	16.7	17.3	17.9	18.6	17.9	17.3	16.7
95°	26.1	23.6	21.2	24.5	33.6	42.7	51.8	60.9	51.8	42.7	33.6
97.5°	64.1	80.1	96.0	106.0	110.1	114.2	118.3	122.4	118.3	114.2	110.1
100°	102.1	136.7	171.3	186.4	182.0	177.6	173.1	168.7	173.1	177.6	182.0
102.5°	141.3	179.1	216.9	234.2	231.0	227.8	224.6	221.4	224.6	227.8	231.0
105°	258.5	278.5	298.4	307.2	304.8	302.3	299.9	297.4	299.9	302.3	304.8
107.5°	394.4	391.2	388.1	385.5	383.6	381.6	379.7	377.7	379.7	381.6	383.6
110°	445.3	442.8	440.4	438.3	436.5	434.7	433.0	431.2	433.0	434.7	436.5

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CATALOG NUMBER: S123DIP-S1165D1025U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	495.6	493.2	490.7	488.7	487.1	485.5	483.9	482.3	483.9	485.5	487.1
115°	568.9	566.9	565.0	563.3	562.0	560.6	559.3	558.0	559.3	560.6	562.0
117.5°	641.2	640.1	639.1	637.8	636.2	634.5	632.9	631.2	632.9	634.5	636.2
120°	687.4	686.7	686.1	684.7	682.7	680.7	678.7	676.7	678.7	680.7	682.7
122.5°	732.6	731.7	730.9	729.6	728.0	726.3	724.7	723.1	724.7	726.3	728.0
125°	796.7	795.9	795.0	793.6	791.9	790.1	788.3	786.5	788.3	790.1	791.9
127.5°	858.7	857.6	856.5	855.1	853.3	851.6	849.8	848.0	849.8	851.6	853.3
130°	896.6	895.7	894.8	893.5	891.7	889.9	888.1	886.4	888.1	889.9	891.7
132.5°	932.8	932.1	931.4	930.2	928.4	926.6	924.9	923.1	924.9	926.6	928.4
135°	987.4	986.5	985.6	984.5	983.2	981.8	980.5	979.2	980.5	981.8	983.2
137.5°	1035.9	1035.4	1034.9	1033.8	1032.2	1030.5	1028.8	1027.1	1028.8	1030.5	1032.2
140°	1066.7	1066.0	1065.4	1064.4	1063.0	1061.7	1060.4	1059.0	1060.4	1061.7	1063.0
142.5°	1096.2	1095.6	1094.9	1093.9	1092.6	1091.2	1089.9	1088.6	1089.9	1091.2	1092.6
145°	1138.0	1137.6	1137.1	1136.1	1134.6	1133.0	1131.5	1129.9	1131.5	1133.0	1134.6
147.5°	1174.5	1174.1	1173.6	1172.9	1171.9	1170.9	1169.9	1168.8	1169.9	1170.9	1171.9
150°	1196.9	1196.4	1196.0	1195.4	1194.8	1194.1	1193.5	1192.8	1193.5	1194.1	1194.8
152.5°	1216.4	1216.1	1215.9	1215.6	1215.3	1215.0	1214.7	1214.3	1214.7	1215.0	1215.3
155°	1243.2	1243.0	1242.8	1242.9	1243.4	1243.8	1244.2	1244.7	1244.2	1243.8	1243.4
157.5°	1267.5	1267.7	1267.9	1268.1	1268.1	1268.2	1268.2	1268.2	1268.2	1268.2	1268.1
160°	1281.1	1281.3	1281.5	1281.7	1282.0	1282.2	1282.4	1282.6	1282.4	1282.2	1282.0
162.5°	1293.0	1293.3	1293.5	1293.9	1294.5	1295.0	1295.6	1296.2	1295.6	1295.0	1294.5
165°	1309.0	1309.2	1309.5	1309.9	1310.6	1311.2	1311.9	1312.6	1311.9	1311.2	1310.6
167.5°	1321.3	1321.3	1321.3	1321.8	1322.7	1323.6	1324.5	1325.3	1324.5	1323.6	1322.7
170°	1328.5	1328.5	1328.5	1329.0	1329.9	1330.8	1331.6	1332.5	1331.6	1330.8	1329.9
172.5°	1333.0	1332.8	1332.6	1333.1	1334.1	1335.2	1336.3	1337.3	1336.3	1335.2	1334.1
175°	1339.1	1338.8	1338.6	1339.1	1340.2	1341.3	1342.4	1343.5	1342.4	1341.3	1340.2
177.5°	1341.6	1341.4	1341.2	1341.6	1342.4	1343.3	1344.2	1345.1	1344.2	1343.3	1342.4
180°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1
2.5°	1595.1	1590.7	1584.4	1575.0	1567.4	1555.5	1555.5	1557.4	1557.4	1556.8	1555.5
5°	1546.7	1534.9	1520.8	1504.3	1487.0	1469.7	1466.5	1460.2	1455.5	1452.4	1448.5
7.5°	1495.6	1474.7	1454.1	1431.0	1409.9	1392.5	1380.4	1370.3	1363.9	1357.0	1351.9
10°	1461.0	1435.1	1410.7	1386.4	1359.6	1338.4	1325.1	1315.6	1308.6	1302.3	1299.1
12.5°	1420.2	1390.5	1363.6	1340.5	1311.2	1289.4	1276.7	1272.2	1263.9	1250.7	1243.8
15°	1360.4	1332.9	1300.7	1265.3	1251.2	1224.5	1209.5	1202.5	1197.7	1187.5	1184.4
17.5°	1309.3	1273.3	1237.2	1210.8	1184.5	1162.8	1154.5	1145.7	1139.4	1131.1	1128.6
20°	1268.5	1236.3	1203.2	1175.0	1147.4	1123.9	1116.8	1110.5	1104.2	1100.3	1097.1
22.5°	1227.0	1194.8	1167.4	1141.0	1111.6	1096.2	1088.5	1081.6	1077.2	1074.5	1071.4
25°	1168.7	1140.4	1109.7	1086.1	1062.6	1052.3	1047.6	1043.7	1040.6	1036.6	1035.8
27.5°	1116.5	1085.7	1060.8	1038.8	1021.9	1013.4	1008.8	1006.9	1007.6	1009.0	1009.9
30°	1077.5	1049.2	1028.8	1009.9	994.2	986.3	985.5	985.5	988.7	989.5	991.0
32.5°	1041.7	1018.4	998.0	979.7	967.8	962.4	965.4	965.4	967.9	970.0	972.8
35°	989.5	969.0	953.3	937.6	927.4	929.7	931.3	932.9	936.8	941.5	944.7
37.5°	939.6	921.9	905.5	893.3	888.6	892.8	896.6	899.9	904.4	908.1	911.2
40°	903.8	890.4	874.7	863.7	865.3	867.7	870.8	874.7	878.7	881.0	884.2
42.5°	870.5	856.5	844.6	835.4	837.6	840.6	842.5	844.6	849.1	853.4	855.2
45°	819.7	808.7	797.7	792.2	793.8	795.4	796.9	799.3	803.2	806.4	807.1
47.5°	762.7	755.0	747.6	742.2	744.7	744.1	746.2	751.2	752.4	754.3	758.7
50°	726.2	719.1	710.5	708.9	708.9	708.9	709.7	716.0	716.0	719.1	722.3
52.5°	686.0	681.4	675.9	673.1	671.8	671.8	675.1	678.3	679.5	683.9	687.1
55°	626.4	621.7	616.9	614.6	613.0	614.6	620.9	622.4	626.4	628.7	631.1
57.5°	564.3	560.7	556.9	555.6	555.3	557.4	560.8	565.5	566.5	573.7	577.3
60°	523.4	517.9	514.8	514.8	513.2	520.3	518.7	526.6	528.1	532.9	538.4
62.5°	481.3	473.9	472.7	472.7	474.9	476.9	479.1	482.6	486.6	492.6	496.9
65°	413.4	409.5	415.0	414.2	412.6	417.3	417.3	421.3	426.0	431.5	440.1
67.5°	349.1	347.1	347.5	347.5	349.9	352.6	354.8	358.2	363.9	369.7	375.4
70°	305.7	308.1	304.2	307.3	309.7	310.4	312.0	316.7	323.0	326.9	333.2
72.5°	263.6	263.4	263.9	265.2	267.5	268.9	270.5	275.9	282.8	286.1	291.1
75°	202.8	202.0	204.3	204.3	208.3	209.8	211.4	213.8	220.1	224.8	228.7
77.5°	148.1	149.0	148.5	151.2	150.1	150.4	155.3	157.7	158.3	167.6	169.6
80°	111.6	113.2	114.0	114.7	115.5	114.0	119.5	121.8	121.8	127.3	131.2
82.5°	80.2	81.1	83.2	83.9	84.1	85.7	86.1	87.9	89.8	92.1	97.3
85°	40.1	42.4	43.2	42.4	43.2	41.7	44.0	44.8	45.6	45.6	45.6
87.5°	14.5	15.7	15.6	16.8	16.8	18.0	18.2	17.1	17.3	19.3	17.0
90°	9.9	12.4	15.3	18.2	21.1	24.0	24.8	25.7	26.6	27.5	28.2
92.5°	16.1	16.9	19.0	21.2	23.4	25.6	27.0	28.4	29.8	31.2	32.1
95°	24.5	21.2	23.6	26.1	28.5	30.9	32.5	34.0	35.6	37.2	37.9
97.5°	106.0	96.0	80.1	64.1	48.1	32.1	33.9	35.7	37.5	39.2	40.2
100°	186.4	171.3	136.7	102.1	67.5	32.9	34.7	36.5	38.3	40.0	41.0
102.5°	234.2	216.9	179.1	141.3	103.5	65.7	60.2	54.7	49.2	43.7	41.1
105°	307.2	298.4	278.5	258.5	238.6	218.6	179.3	140.1	100.8	61.6	42.1
107.5°	385.5	388.1	391.2	394.4	397.5	400.7	371.9	343.1	314.3	285.5	256.3
110°	438.3	440.4	442.8	445.3	447.7	450.2	442.8	435.5	428.2	420.9	401.4

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	488.7	490.7	493.2	495.6	498.0	500.5	500.6	500.7	500.9	501.0	497.7
115°	563.3	565.0	566.9	568.9	570.9	572.9	575.2	577.4	579.6	581.8	583.4
117.5°	637.8	639.1	640.1	641.2	642.2	643.2	645.0	646.8	648.5	650.3	651.3
120°	684.7	686.1	686.7	687.4	688.1	688.7	690.5	692.3	694.0	695.8	696.7
122.5°	729.6	730.9	731.7	732.6	733.4	734.2	735.5	736.7	738.0	739.2	739.9
125°	793.6	795.0	795.9	796.7	797.6	798.5	799.0	799.4	799.8	800.3	800.7
127.5°	855.1	856.5	857.6	858.7	859.7	860.8	861.5	862.2	862.9	863.6	863.8
130°	893.5	894.8	895.7	896.6	897.4	898.3	899.2	900.1	901.0	901.9	902.1
132.5°	930.2	931.4	932.1	932.8	933.6	934.3	935.2	936.0	936.9	937.8	937.9
135°	984.5	985.6	986.5	987.4	988.3	989.2	989.8	990.5	991.2	991.8	991.8
137.5°	1033.8	1034.9	1035.4	1035.9	1036.4	1036.9	1037.9	1039.0	1040.1	1041.1	1041.4
140°	1064.4	1065.4	1066.0	1066.7	1067.4	1068.0	1068.9	1069.8	1070.7	1071.6	1071.8
142.5°	1093.9	1094.9	1095.6	1096.2	1096.9	1097.6	1098.3	1099.0	1099.7	1100.4	1100.4
145°	1136.1	1137.1	1137.6	1138.0	1138.4	1138.9	1139.3	1139.8	1140.2	1140.7	1140.9
147.5°	1172.9	1173.6	1174.1	1174.5	1175.0	1175.4	1175.9	1176.3	1176.7	1177.2	1176.9
150°	1195.4	1196.0	1196.4	1196.9	1197.3	1197.8	1198.2	1198.7	1199.1	1199.6	1199.4
152.5°	1215.6	1215.9	1216.1	1216.4	1216.7	1216.9	1217.7	1218.5	1219.3	1220.1	1220.0
155°	1242.9	1242.8	1243.0	1243.2	1243.5	1243.7	1244.8	1245.9	1247.0	1248.1	1248.0
157.5°	1268.1	1267.9	1267.7	1267.5	1267.3	1267.0	1268.4	1269.7	1271.0	1272.4	1272.2
160°	1281.7	1281.5	1281.3	1281.1	1280.8	1280.6	1282.0	1283.3	1284.6	1285.9	1285.8
162.5°	1293.9	1293.5	1293.3	1293.0	1292.8	1292.6	1294.1	1295.6	1297.1	1298.6	1298.7
165°	1309.9	1309.5	1309.2	1309.0	1308.8	1308.6	1310.3	1312.1	1313.9	1315.7	1315.8
167.5°	1321.8	1321.3	1321.3	1321.3	1321.3	1321.3	1323.1	1324.9	1326.7	1328.4	1328.4
170°	1329.0	1328.5	1328.5	1328.5	1328.5	1328.5	1330.3	1332.1	1333.9	1335.6	1335.6
172.5°	1333.1	1332.6	1332.8	1333.0	1333.1	1333.3	1335.1	1336.9	1338.6	1340.4	1340.3
175°	1339.1	1338.6	1338.8	1339.1	1339.3	1339.5	1341.1	1342.6	1344.2	1345.7	1345.6
177.5°	1341.6	1341.2	1341.4	1341.6	1341.7	1341.9	1343.3	1344.7	1346.2	1347.6	1347.4
180°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1
2.5°	1551.1	1550.5	1554.9	1551.7	1554.9	1550.5	1551.1	1555.5	1556.8	1557.4	1557.4
5°	1443.7	1446.1	1438.2	1438.2	1438.2	1446.1	1443.7	1448.5	1452.4	1455.5	1460.2
7.5°	1348.2	1344.7	1345.0	1340.8	1345.0	1344.7	1348.2	1351.9	1357.0	1363.9	1370.3
10°	1289.7	1285.0	1283.4	1284.2	1283.4	1285.0	1289.7	1299.1	1302.3	1308.6	1315.6
12.5°	1241.3	1240.3	1230.0	1230.1	1230.0	1240.3	1241.3	1243.8	1250.7	1263.9	1272.2
15°	1184.4	1169.5	1167.9	1172.6	1167.9	1169.5	1184.4	1184.4	1187.5	1197.7	1202.5
17.5°	1127.3	1119.5	1119.9	1117.6	1119.9	1119.5	1127.3	1128.6	1131.1	1139.4	1145.7
20°	1097.1	1092.4	1091.6	1086.1	1091.6	1092.4	1097.1	1097.1	1100.3	1104.2	1110.5
22.5°	1069.5	1067.9	1068.4	1062.3	1068.4	1067.9	1069.5	1071.4	1074.5	1077.2	1081.6
25°	1035.1	1039.0	1035.8	1035.8	1035.8	1039.0	1035.1	1035.8	1036.6	1040.6	1043.7
27.5°	1011.8	1011.6	1010.1	1010.1	1010.1	1011.6	1011.8	1009.9	1009.0	1007.6	1006.9
30°	994.2	993.4	995.0	995.0	995.0	993.4	994.2	991.0	989.5	988.7	985.5
32.5°	976.6	977.7	978.0	978.6	978.0	977.7	976.6	972.8	970.0	967.9	965.4
35°	949.4	950.2	952.5	951.0	952.5	950.2	949.4	944.7	941.5	936.8	932.9
37.5°	912.6	916.2	915.4	916.7	915.4	916.2	912.6	911.2	908.1	904.4	899.9
40°	884.9	887.3	886.5	886.5	886.5	887.3	884.9	884.2	881.0	878.7	874.7
42.5°	856.7	858.4	856.3	855.1	856.3	858.4	856.7	855.2	853.4	849.1	844.6
45°	810.3	808.7	811.1	807.9	811.1	808.7	810.3	807.1	806.4	803.2	799.3
47.5°	758.4	760.0	760.6	763.0	760.6	760.0	758.4	758.7	754.3	752.4	751.2
50°	723.8	728.5	728.5	727.8	728.5	728.5	723.8	722.3	719.1	716.0	716.0
52.5°	689.9	692.1	695.2	695.1	695.2	692.1	689.9	687.1	683.9	679.5	678.3
55°	637.4	639.0	640.5	641.3	640.5	639.0	637.4	631.1	628.7	626.4	622.4
57.5°	583.0	582.4	586.1	587.2	586.1	582.4	583.0	577.3	573.7	566.5	565.5
60°	544.6	544.6	550.9	553.3	550.9	544.6	544.6	538.4	532.9	528.1	526.6
62.5°	503.8	506.3	512.6	509.3	512.6	506.3	503.8	496.9	492.6	486.6	482.6
65°	444.0	450.3	449.5	452.7	449.5	450.3	444.0	440.1	431.5	426.0	421.3
67.5°	381.6	385.6	391.2	391.7	391.2	385.6	381.6	375.4	369.7	363.9	358.2
70°	339.5	343.4	346.6	348.9	346.6	343.4	339.5	333.2	326.9	323.0	316.7
72.5°	298.7	300.7	308.2	304.9	308.2	300.7	298.7	291.1	286.1	282.8	275.9
75°	234.2	239.7	244.4	242.1	244.4	239.7	234.2	228.7	224.8	220.1	213.8
77.5°	173.2	178.7	180.9	178.9	180.9	178.7	173.2	169.6	167.6	158.3	157.7
80°	136.8	136.0	140.7	139.9	140.7	136.0	136.8	131.2	127.3	121.8	121.8
82.5°	100.3	99.5	101.7	102.2	101.7	99.5	100.3	97.3	92.1	89.8	87.9
85°	48.7	51.1	47.9	47.2	47.9	51.1	48.7	45.6	45.6	45.6	44.8
87.5°	17.0	17.1	16.6	16.0	16.6	17.1	17.0	17.0	19.3	17.3	17.1
90°	28.6	29.1	29.5	29.9	29.5	29.1	28.6	28.2	27.5	26.6	25.7
92.5°	32.3	32.6	32.9	33.1	32.9	32.6	32.3	32.1	31.2	29.8	28.4
95°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.2	35.6	34.0
97.5°	40.5	40.7	40.9	41.1	40.9	40.7	40.5	40.2	39.2	37.5	35.7
100°	41.3	41.5	41.7	41.9	41.7	41.5	41.3	41.0	40.0	38.3	36.5
102.5°	41.5	41.9	42.3	42.7	42.3	41.9	41.5	41.1	43.7	49.2	54.7
105°	42.6	43.0	43.5	43.9	43.5	43.0	42.6	42.1	61.6	100.8	140.1
107.5°	226.7	197.1	167.5	137.9	167.5	197.1	226.7	256.3	285.5	314.3	343.1
110°	369.6	337.9	306.2	274.5	306.2	337.9	369.6	401.4	420.9	428.2	435.5

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	491.0	484.3	477.6	470.9	477.6	484.3	491.0	497.7	501.0	500.9	500.7
115°	584.2	585.1	586.0	586.9	586.0	585.1	584.2	583.4	581.8	579.6	577.4
117.5°	651.5	651.6	651.8	652.0	651.8	651.6	651.5	651.3	650.3	648.5	646.8
120°	696.7	696.7	696.7	696.7	696.7	696.7	696.7	696.7	695.8	694.0	692.3
122.5°	740.1	740.3	740.4	740.6	740.4	740.3	740.1	739.9	739.2	738.0	736.7
125°	801.2	801.6	802.1	802.5	802.1	801.6	801.2	800.7	800.3	799.8	799.4
127.5°	863.3	862.9	862.4	862.0	862.4	862.9	863.3	863.8	863.6	862.9	862.2
130°	901.7	901.2	900.8	900.3	900.8	901.2	901.7	902.1	901.9	901.0	900.1
132.5°	937.3	936.7	936.1	935.5	936.1	936.7	937.3	937.9	937.8	936.9	936.0
135°	991.2	990.5	989.8	989.2	989.8	990.5	991.2	991.8	991.8	991.2	990.5
137.5°	1041.0	1040.6	1040.1	1039.7	1040.1	1040.6	1041.0	1041.4	1041.1	1040.1	1039.0
140°	1071.3	1070.9	1070.5	1070.0	1070.5	1070.9	1071.3	1071.8	1071.6	1070.7	1069.8
142.5°	1099.8	1099.2	1098.6	1098.0	1098.6	1099.2	1099.8	1100.4	1100.4	1099.7	1099.0
145°	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.9	1140.7	1140.2	1139.8
147.5°	1175.9	1174.9	1173.8	1172.8	1173.8	1174.9	1175.9	1176.9	1177.2	1176.7	1176.3
150°	1198.8	1198.1	1197.4	1196.8	1197.4	1198.1	1198.8	1199.4	1199.6	1199.1	1198.7
152.5°	1219.0	1218.0	1217.0	1215.9	1217.0	1218.0	1219.0	1220.0	1220.1	1219.3	1218.5
155°	1246.7	1245.4	1244.0	1242.7	1244.0	1245.4	1246.7	1248.0	1248.1	1247.0	1245.9
157.5°	1270.4	1268.7	1267.0	1265.3	1267.0	1268.7	1270.4	1272.2	1272.4	1271.0	1269.7
160°	1284.3	1282.7	1281.2	1279.6	1281.2	1282.7	1284.3	1285.8	1285.9	1284.6	1283.3
162.5°	1297.3	1295.9	1294.6	1293.2	1294.6	1295.9	1297.3	1298.7	1298.6	1297.1	1295.6
165°	1314.2	1312.7	1311.1	1309.6	1311.1	1312.7	1314.2	1315.8	1315.7	1313.9	1312.1
167.5°	1326.7	1324.9	1323.1	1321.3	1323.1	1324.9	1326.7	1328.4	1328.4	1326.7	1324.9
170°	1333.9	1332.1	1330.3	1328.5	1330.3	1332.1	1333.9	1335.6	1335.6	1333.9	1332.1
172.5°	1338.4	1336.4	1334.5	1332.5	1334.5	1336.4	1338.4	1340.3	1340.4	1338.6	1336.9
175°	1343.8	1342.1	1340.3	1338.5	1340.3	1342.1	1343.8	1345.6	1345.7	1344.2	1342.6
177.5°	1345.6	1343.9	1342.1	1340.3	1342.1	1343.9	1345.6	1347.4	1347.6	1346.2	1344.7
180°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1
2.5°	1555.5	1555.5	1567.4	1575.0	1584.4	1590.7	1595.1	1599.5	1607.1	1617.1	1628.4
5°	1466.5	1469.7	1487.0	1504.3	1520.8	1534.9	1546.7	1560.8	1578.1	1599.3	1622.9
7.5°	1380.4	1392.5	1409.9	1431.0	1454.1	1474.7	1495.6	1518.9	1543.2	1574.5	1607.5
10°	1325.1	1338.4	1359.6	1386.4	1410.7	1435.1	1461.0	1486.2	1516.8	1553.8	1596.2
12.5°	1276.7	1289.4	1311.2	1340.5	1363.6	1390.5	1420.2	1452.9	1487.3	1531.8	1579.9
15°	1209.5	1224.5	1251.2	1265.3	1300.7	1332.9	1360.4	1407.6	1451.6	1497.2	1553.0
17.5°	1154.5	1162.8	1184.5	1210.8	1237.2	1273.3	1309.3	1348.6	1392.5	1448.3	1518.1
20°	1116.8	1123.9	1147.4	1175.0	1203.2	1236.3	1268.5	1307.8	1357.3	1416.2	1491.7
22.5°	1088.5	1096.2	1111.6	1141.0	1167.4	1194.8	1227.0	1273.8	1326.5	1384.2	1465.9
25°	1047.6	1052.3	1062.6	1086.1	1109.7	1140.4	1168.7	1212.7	1266.9	1334.5	1416.2
27.5°	1008.8	1013.4	1021.9	1038.8	1060.8	1085.7	1116.5	1153.9	1208.9	1282.3	1369.1
30°	985.5	986.3	994.2	1009.9	1028.8	1049.2	1077.5	1119.9	1171.8	1246.5	1337.6
32.5°	965.4	962.4	967.8	979.7	998.0	1018.4	1041.7	1083.5	1133.5	1206.9	1300.5
35°	931.3	929.7	927.4	937.6	953.3	969.0	989.5	1020.9	1077.5	1145.9	1244.1
37.5°	896.6	892.8	888.6	893.3	905.5	921.9	939.6	967.6	1016.4	1091.6	1185.6
40°	870.8	867.7	865.3	863.7	874.7	890.4	903.8	930.5	976.1	1047.6	1140.4
42.5°	842.5	840.6	837.6	835.4	844.6	856.5	870.5	894.1	939.6	1006.8	1094.5
45°	796.9	795.4	793.8	792.2	797.7	808.7	819.7	837.0	876.3	941.5	1020.9
47.5°	746.2	744.1	744.7	742.2	747.6	755.0	762.7	781.2	818.9	871.6	929.6
50°	709.7	708.9	708.9	708.9	710.5	719.1	726.2	740.3	774.9	827.6	869.2
52.5°	675.1	671.8	671.8	673.1	675.9	681.4	686.0	701.4	731.5	774.8	812.6
55°	620.9	614.6	613.0	614.6	616.9	621.7	626.4	639.0	664.9	697.1	719.1
57.5°	560.8	557.4	555.3	555.6	556.9	560.7	564.3	578.0	598.4	615.2	629.4
60°	518.7	520.3	513.2	514.8	514.8	517.9	523.4	532.1	549.4	561.1	575.3
62.5°	479.1	476.9	474.9	472.7	472.7	473.9	481.3	488.1	502.8	509.0	520.0
65°	417.3	417.3	412.6	414.2	415.0	409.5	413.4	421.3	430.7	433.0	443.3
67.5°	354.8	352.6	349.9	347.5	347.5	347.1	349.1	353.0	360.1	360.9	368.8
70°	312.0	310.4	309.7	307.3	304.2	308.1	305.7	309.7	313.6	314.4	319.1
72.5°	270.5	268.9	267.5	265.2	263.9	263.4	263.6	268.2	270.8	269.7	275.1
75°	211.4	209.8	208.3	204.3	204.3	202.0	202.8	205.9	209.1	206.7	211.4
77.5°	155.3	150.4	150.1	151.2	148.5	149.0	148.1	147.6	149.0	149.2	153.4
80°	119.5	114.0	115.5	114.7	114.0	113.2	111.6	112.4	113.2	114.0	116.3
82.5°	86.1	85.7	84.1	83.9	83.2	81.1	80.2	81.6	82.4	81.9	83.6
85°	44.0	41.7	43.2	42.4	43.2	42.4	40.1	40.1	41.7	40.9	42.4
87.5°	18.2	18.0	16.8	16.8	15.6	15.7	14.5	14.7	14.9	14.5	15.3
90°	24.8	24.0	21.1	18.2	15.3	12.4	9.9	7.7	5.4	3.2	1.0
92.5°	27.0	25.6	23.4	21.2	19.0	16.9	16.1	16.7	17.3	17.9	18.6
95°	32.5	30.9	28.5	26.1	23.6	21.2	24.5	33.6	42.7	51.8	60.9
97.5°	33.9	32.1	48.1	64.1	80.1	96.0	106.0	110.1	114.2	118.3	122.4
100°	34.7	32.9	67.5	102.1	136.7	171.3	186.4	182.0	177.6	173.1	168.7
102.5°	60.2	65.7	103.5	141.3	179.1	216.9	234.2	231.0	227.8	224.6	221.4
105°	179.3	218.6	238.6	258.5	278.5	298.4	307.2	304.8	302.3	299.9	297.4
107.5°	371.9	400.7	397.5	394.4	391.2	388.1	385.5	383.6	381.6	379.7	377.7
110°	442.8	450.2	447.7	445.3	442.8	440.4	438.3	436.5	434.7	433.0	431.2

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	500.6	500.5	498.0	495.6	493.2	490.7	488.7	487.1	485.5	483.9	482.3
115°	575.2	572.9	570.9	568.9	566.9	565.0	563.3	562.0	560.6	559.3	558.0
117.5°	645.0	643.2	642.2	641.2	640.1	639.1	637.8	636.2	634.5	632.9	631.2
120°	690.5	688.7	688.1	687.4	686.7	686.1	684.7	682.7	680.7	678.7	676.7
122.5°	735.5	734.2	733.4	732.6	731.7	730.9	729.6	728.0	726.3	724.7	723.1
125°	799.0	798.5	797.6	796.7	795.9	795.0	793.6	791.9	790.1	788.3	786.5
127.5°	861.5	860.8	859.7	858.7	857.6	856.5	855.1	853.3	851.6	849.8	848.0
130°	899.2	898.3	897.4	896.6	895.7	894.8	893.5	891.7	889.9	888.1	886.4
132.5°	935.2	934.3	933.6	932.8	932.1	931.4	930.2	928.4	926.6	924.9	923.1
135°	989.8	989.2	988.3	987.4	986.5	985.6	984.5	983.2	981.8	980.5	979.2
137.5°	1037.9	1036.9	1036.4	1035.9	1035.4	1034.9	1033.8	1032.2	1030.5	1028.8	1027.1
140°	1068.9	1068.0	1067.4	1066.7	1066.0	1065.4	1064.4	1063.0	1061.7	1060.4	1059.0
142.5°	1098.3	1097.6	1096.9	1096.2	1095.6	1094.9	1093.9	1092.6	1091.2	1089.9	1088.6
145°	1139.3	1138.9	1138.4	1138.0	1137.6	1137.1	1136.1	1134.6	1133.0	1131.5	1129.9
147.5°	1175.9	1175.4	1175.0	1174.5	1174.1	1173.6	1172.9	1171.9	1170.9	1169.9	1168.8
150°	1198.2	1197.8	1197.3	1196.9	1196.4	1196.0	1195.4	1194.8	1194.1	1193.5	1192.8
152.5°	1217.7	1216.9	1216.7	1216.4	1216.1	1215.9	1215.6	1215.3	1215.0	1214.7	1214.3
155°	1244.8	1243.7	1243.5	1243.2	1243.0	1242.8	1242.9	1243.4	1243.8	1244.2	1244.7
157.5°	1268.4	1267.0	1267.3	1267.5	1267.7	1267.9	1268.1	1268.1	1268.2	1268.2	1268.2
160°	1282.0	1280.6	1280.8	1281.1	1281.3	1281.5	1281.7	1282.0	1282.2	1282.4	1282.6
162.5°	1294.1	1292.6	1292.8	1293.0	1293.3	1293.5	1293.9	1294.5	1295.0	1295.6	1296.2
165°	1310.3	1308.6	1308.8	1309.0	1309.2	1309.5	1309.9	1310.6	1311.2	1311.9	1312.6
167.5°	1323.1	1321.3	1321.3	1321.3	1321.3	1321.3	1321.8	1322.7	1323.6	1324.5	1325.3
170°	1330.3	1328.5	1328.5	1328.5	1328.5	1328.5	1329.0	1329.9	1330.8	1331.6	1332.5
172.5°	1335.1	1333.3	1333.1	1333.0	1332.8	1332.6	1333.1	1334.1	1335.2	1336.3	1337.3
175°	1341.1	1339.5	1339.3	1339.1	1338.8	1338.6	1339.1	1340.2	1341.3	1342.4	1343.5
177.5°	1343.3	1341.9	1341.7	1341.6	1341.4	1341.2	1341.6	1342.4	1343.3	1344.2	1345.1
180°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1
2.5°	1632.2	1635.3	1646.0	1653.6	1662.4	1667.4	1672.4	1676.2	1681.2	1682.5	1700.7
5°	1639.4	1655.2	1682.7	1703.1	1728.2	1755.7	1774.6	1783.3	1806.0	1824.9	1862.6
7.5°	1637.4	1670.9	1712.4	1755.4	1801.6	1844.4	1881.5	1925.5	1956.8	2003.8	2050.2
10°	1635.5	1680.3	1733.7	1788.8	1853.2	1912.9	1966.4	2026.1	2075.6	2140.8	2196.6
12.5°	1629.8	1684.1	1758.3	1823.3	1901.6	1984.0	2063.2	2139.9	2183.8	2292.4	2343.8
15°	1615.9	1680.3	1773.0	1872.1	1979.7	2077.2	2177.8	2258.0	2387.6	2482.7	2543.2
17.5°	1589.1	1679.4	1789.4	1908.8	2039.8	2168.2	2282.2	2403.8	2541.4	2656.4	2779.0
20°	1576.6	1675.6	1798.2	1930.2	2066.2	2211.6	2341.3	2487.4	2637.6	2750.7	2907.9
22.5°	1553.3	1665.5	1797.6	1944.7	2090.1	2240.5	2392.2	2539.6	2713.0	2868.9	3018.6
25°	1515.3	1641.0	1777.8	1942.0	2112.6	2263.5	2445.0	2640.7	2821.5	3021.9	3171.2
27.5°	1475.3	1609.6	1746.6	1899.4	2082.8	2261.9	2490.3	2711.4	2932.4	3105.5	3216.0
30°	1444.5	1575.0	1716.5	1870.5	2052.0	2265.0	2520.4	2761.7	2977.1	3125.6	3187.7
32.5°	1411.2	1543.5	1668.7	1830.3	2023.7	2263.1	2539.3	2791.3	2979.6	3078.5	3066.4
35°	1358.9	1469.7	1591.5	1747.1	1975.0	2249.3	2550.3	2793.9	2909.5	2888.3	2727.9
37.5°	1283.4	1376.6	1496.6	1666.9	1918.4	2220.2	2528.3	2711.1	2703.6	2530.8	2298.5
40°	1236.3	1315.6	1431.2	1610.4	1874.4	2201.4	2493.7	2612.4	2511.8	2270.5	1992.3
42.5°	1174.6	1247.7	1363.3	1547.5	1826.0	2163.0	2427.7	2462.1	2265.3	1987.6	1732.6
45°	1079.1	1143.5	1263.0	1453.2	1753.4	2079.5	2266.6	2182.5	1917.6	1630.8	1436.7
47.5°	976.4	1043.4	1158.3	1353.7	1648.4	1954.0	2043.1	1864.2	1592.3	1359.6	1181.4
50°	911.7	976.1	1088.5	1285.8	1577.3	1850.8	1887.8	1656.7	1406.8	1202.5	1056.3
52.5°	846.3	907.0	1017.5	1215.3	1494.4	1731.4	1708.6	1473.1	1243.3	1069.2	954.4
55°	749.0	806.4	911.7	1097.1	1351.0	1538.8	1456.3	1231.5	1041.3	906.2	818.9
57.5°	661.9	716.9	807.8	975.3	1196.0	1325.1	1220.1	1030.7	879.4	775.4	710.3
60°	602.8	651.5	738.0	893.6	1085.4	1183.6	1079.9	912.5	785.1	701.8	643.7
62.5°	546.8	589.3	669.4	810.6	977.2	1059.7	954.7	813.1	704.7	630.8	581.4
65°	462.1	500.6	571.4	681.4	818.1	873.2	782.8	668.0	583.9	528.9	495.9
67.5°	384.8	417.5	478.6	565.2	665.8	705.9	637.1	548.3	484.9	440.7	414.5
70°	333.2	361.5	409.5	484.1	575.3	605.9	541.5	468.4	422.0	386.7	362.3
72.5°	289.8	310.6	354.1	411.8	487.9	512.3	467.3	403.0	359.8	333.2	313.9
75°	220.8	238.1	266.4	312.8	365.5	379.6	345.8	305.7	276.6	257.8	242.8
77.5°	159.2	172.0	192.4	221.0	257.5	270.2	248.8	222.1	200.9	188.1	179.8
80°	120.2	130.5	147.8	171.3	193.3	200.4	187.8	167.4	152.5	145.4	138.3
82.5°	88.8	94.6	105.0	121.0	136.1	144.5	133.8	121.5	113.5	107.0	104.4
85°	44.8	47.9	52.7	58.9	68.4	71.5	67.6	64.4	59.7	55.8	55.8
87.5°	17.0	17.4	19.8	21.5	24.5	27.0	26.9	26.2	26.2	25.7	25.3
90°	3.2	5.4	7.7	9.9	12.4	15.3	18.2	21.1	24.0	24.8	25.7
92.5°	17.9	17.3	16.7	16.1	16.9	19.0	21.2	23.4	25.6	27.0	28.4
95°	51.8	42.7	33.6	24.5	21.2	23.6	26.1	28.5	30.9	32.5	34.0
97.5°	118.3	114.2	110.1	106.0	96.0	80.1	64.1	48.1	32.1	33.9	35.7
100°	173.1	177.6	182.0	186.4	171.3	136.7	102.1	67.5	32.9	34.7	36.5
102.5°	224.6	227.8	231.0	234.2	216.9	179.1	141.3	103.5	65.7	60.2	54.7
105°	299.9	302.3	304.8	307.2	298.4	278.5	258.5	238.6	218.6	179.3	140.1
107.5°	379.7	381.6	383.6	385.5	388.1	391.2	394.4	397.5	400.7	371.9	343.1
110°	433.0	434.7	436.5	438.3	440.4	442.8	445.3	447.7	450.2	442.8	435.5

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	483.9	485.5	487.1	488.7	490.7	493.2	495.6	498.0	500.5	500.6	500.7
115°	559.3	560.6	562.0	563.3	565.0	566.9	568.9	570.9	572.9	575.2	577.4
117.5°	632.9	634.5	636.2	637.8	639.1	640.1	641.2	642.2	643.2	645.0	646.8
120°	678.7	680.7	682.7	684.7	686.1	686.7	687.4	688.1	688.7	690.5	692.3
122.5°	724.7	726.3	728.0	729.6	730.9	731.7	732.6	733.4	734.2	735.5	736.7
125°	788.3	790.1	791.9	793.6	795.0	795.9	796.7	797.6	798.5	799.0	799.4
127.5°	849.8	851.6	853.3	855.1	856.5	857.6	858.7	859.7	860.8	861.5	862.2
130°	888.1	889.9	891.7	893.5	894.8	895.7	896.6	897.4	898.3	899.2	900.1
132.5°	924.9	926.6	928.4	930.2	931.4	932.1	932.8	933.6	934.3	935.2	936.0
135°	980.5	981.8	983.2	984.5	985.6	986.5	987.4	988.3	989.2	989.8	990.5
137.5°	1028.8	1030.5	1032.2	1033.8	1034.9	1035.4	1035.9	1036.4	1036.9	1037.9	1039.0
140°	1060.4	1061.7	1063.0	1064.4	1065.4	1066.0	1066.7	1067.4	1068.0	1068.9	1069.8
142.5°	1089.9	1091.2	1092.6	1093.9	1094.9	1095.6	1096.2	1096.9	1097.6	1098.3	1099.0
145°	1131.5	1133.0	1134.6	1136.1	1137.1	1137.6	1138.0	1138.4	1138.9	1139.3	1139.8
147.5°	1169.9	1170.9	1171.9	1172.9	1173.6	1174.1	1174.5	1175.0	1175.4	1175.9	1176.3
150°	1193.5	1194.1	1194.8	1195.4	1196.0	1196.4	1196.9	1197.3	1197.8	1198.2	1198.7
152.5°	1214.7	1215.0	1215.3	1215.6	1215.9	1216.1	1216.4	1216.7	1216.9	1217.7	1218.5
155°	1244.2	1243.8	1243.4	1242.9	1242.8	1243.0	1243.2	1243.5	1243.7	1244.8	1245.9
157.5°	1268.2	1268.2	1268.1	1268.1	1267.9	1267.7	1267.5	1267.3	1267.0	1268.4	1269.7
160°	1282.4	1282.2	1282.0	1281.7	1281.5	1281.3	1281.1	1280.8	1280.6	1282.0	1283.3
162.5°	1295.6	1295.0	1294.5	1293.9	1293.5	1293.3	1293.0	1292.8	1292.6	1294.1	1295.6
165°	1311.9	1311.2	1310.6	1309.9	1309.5	1309.2	1309.0	1308.8	1308.6	1310.3	1312.1
167.5°	1324.5	1323.6	1322.7	1321.8	1321.3	1321.3	1321.3	1321.3	1321.3	1323.1	1324.9
170°	1331.6	1330.8	1329.9	1329.0	1328.5	1328.5	1328.5	1328.5	1328.5	1330.3	1332.1
172.5°	1336.3	1335.2	1334.1	1333.1	1332.6	1332.8	1333.0	1333.1	1333.3	1335.1	1336.9
175°	1342.4	1341.3	1340.2	1339.1	1338.6	1338.8	1339.1	1339.3	1339.5	1341.1	1342.6
177.5°	1344.2	1343.3	1342.4	1341.6	1341.2	1341.4	1341.6	1341.7	1341.9	1343.3	1344.7
180°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1	1622.1
2.5°	1707.0	1707.6	1714.6	1719.6	1717.1	1720.2	1721.5
5°	1865.0	1893.3	1908.2	1919.2	1920.0	1920.8	1927.1
7.5°	2089.0	2119.3	2141.5	2175.1	2185.2	2196.6	2193.3
10°	2252.5	2297.2	2335.8	2356.2	2378.2	2410.4	2384.5
12.5°	2405.2	2484.6	2543.2	2575.0	2595.7	2602.2	2589.5
15°	2657.2	2760.9	2816.7	2815.2	2885.9	2916.6	2868.6
17.5°	2888.3	2984.0	3060.7	3100.0	3158.9	3172.0	3166.0
20°	3029.7	3134.3	3194.0	3261.6	3292.2	3319.7	3324.4
22.5°	3151.7	3245.5	3309.7	3365.9	3391.6	3404.6	3412.5
25°	3277.3	3351.2	3389.7	3409.3	3416.4	3414.8	3404.6
27.5°	3268.6	3274.3	3231.9	3190.2	3153.0	3111.0	3096.5
30°	3183.8	3117.7	2999.9	2933.1	2834.8	2757.0	2788.4
32.5°	2960.6	2829.2	2696.8	2550.8	2429.9	2395.5	2360.9
35°	2526.7	2295.7	2160.5	2003.3	1940.4	1877.6	1834.3
37.5°	2044.2	1865.5	1705.1	1602.3	1539.3	1499.5	1478.2
40°	1767.5	1606.4	1474.4	1391.1	1343.1	1298.3	1292.1
42.5°	1546.9	1397.1	1297.7	1231.4	1185.3	1166.3	1152.5
45°	1266.9	1162.4	1095.6	1048.4	1017.8	1006.0	990.3
47.5°	1072.3	998.4	948.3	916.2	893.1	884.3	883.1
50°	963.5	902.2	865.3	840.1	822.1	818.9	806.4
52.5°	881.8	828.7	799.9	777.9	764.9	756.1	752.3
55°	765.5	730.1	704.2	691.6	681.4	672.7	672.7
57.5°	669.8	640.2	623.1	612.4	609.2	603.1	599.2
60°	610.7	585.5	572.2	562.7	556.4	557.2	550.1
62.5°	552.8	536.5	523.7	514.3	506.8	506.9	507.4
65°	470.8	458.2	448.8	445.6	440.9	435.4	437.0
67.5°	398.9	387.1	379.8	374.4	372.8	369.9	374.4
70°	347.4	338.7	333.2	328.5	326.9	327.7	331.7
72.5°	300.2	294.1	290.5	288.3	284.8	285.0	287.6
75°	235.8	231.1	227.9	225.6	224.8	224.8	224.8
77.5°	173.2	172.1	170.7	167.2	167.4	168.3	168.5
80°	136.8	134.4	133.6	132.0	129.7	128.1	132.0
82.5°	102.2	99.8	99.0	98.7	95.1	94.8	98.1
85°	55.0	52.7	53.4	52.7	52.7	51.9	51.9
87.5°	24.8	24.4	23.9	24.6	24.0	23.5	24.9
90°	26.6	27.5	28.2	28.6	29.1	29.5	29.9
92.5°	29.8	31.2	32.1	32.3	32.6	32.9	33.1
95°	35.6	37.2	37.9	37.9	37.9	37.9	37.9
97.5°	37.5	39.2	40.2	40.5	40.7	40.9	41.1
100°	38.3	40.0	41.0	41.3	41.5	41.7	41.9
102.5°	49.2	43.7	41.1	41.5	41.9	42.3	42.7
105°	100.8	61.6	42.1	42.6	43.0	43.5	43.9
107.5°	314.3	285.5	256.3	226.7	197.1	167.5	137.9
110°	428.2	420.9	401.4	369.6	337.9	306.2	274.5

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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	500.9	501.0	497.7	491.0	484.3	477.6	470.9
115°	579.6	581.8	583.4	584.2	585.1	586.0	586.9
117.5°	648.5	650.3	651.3	651.5	651.6	651.8	652.0
120°	694.0	695.8	696.7	696.7	696.7	696.7	696.7
122.5°	738.0	739.2	739.9	740.1	740.3	740.4	740.6
125°	799.8	800.3	800.7	801.2	801.6	802.1	802.5
127.5°	862.9	863.6	863.8	863.3	862.9	862.4	862.0
130°	901.0	901.9	902.1	901.7	901.2	900.8	900.3
132.5°	936.9	937.8	937.9	937.3	936.7	936.1	935.5
135°	991.2	991.8	991.8	991.2	990.5	989.8	989.2
137.5°	1040.1	1041.1	1041.4	1041.0	1040.6	1040.1	1039.7
140°	1070.7	1071.6	1071.8	1071.3	1070.9	1070.5	1070.0
142.5°	1099.7	1100.4	1100.4	1099.8	1099.2	1098.6	1098.0
145°	1140.2	1140.7	1140.9	1140.9	1140.9	1140.9	1140.9
147.5°	1176.7	1177.2	1176.9	1175.9	1174.9	1173.8	1172.8
150°	1199.1	1199.6	1199.4	1198.8	1198.1	1197.4	1196.8
152.5°	1219.3	1220.1	1220.0	1219.0	1218.0	1217.0	1215.9
155°	1247.0	1248.1	1248.0	1246.7	1245.4	1244.0	1242.7
157.5°	1271.0	1272.4	1272.2	1270.4	1268.7	1267.0	1265.3
160°	1284.6	1285.9	1285.8	1284.3	1282.7	1281.2	1279.6
162.5°	1297.1	1298.6	1298.7	1297.3	1295.9	1294.6	1293.2
165°	1313.9	1315.7	1315.8	1314.2	1312.7	1311.1	1309.6
167.5°	1326.7	1328.4	1328.4	1326.7	1324.9	1323.1	1321.3
170°	1333.9	1335.6	1335.6	1333.9	1332.1	1330.3	1328.5
172.5°	1338.6	1340.4	1340.3	1338.4	1336.4	1334.5	1332.5
175°	1344.2	1345.7	1345.6	1343.8	1342.1	1340.3	1338.5
177.5°	1346.2	1347.6	1347.4	1345.6	1343.9	1342.1	1340.3
180°	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5	1343.5

(END OF REPORT)