

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: P333287-940

Luminaire Tested: **S125DIP-S1090D1205U940-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333287-940
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-S1090D1205U940-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7719.7 lumens
Efficiency: N/A
Efficacy: 118.0 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: General Diffuse

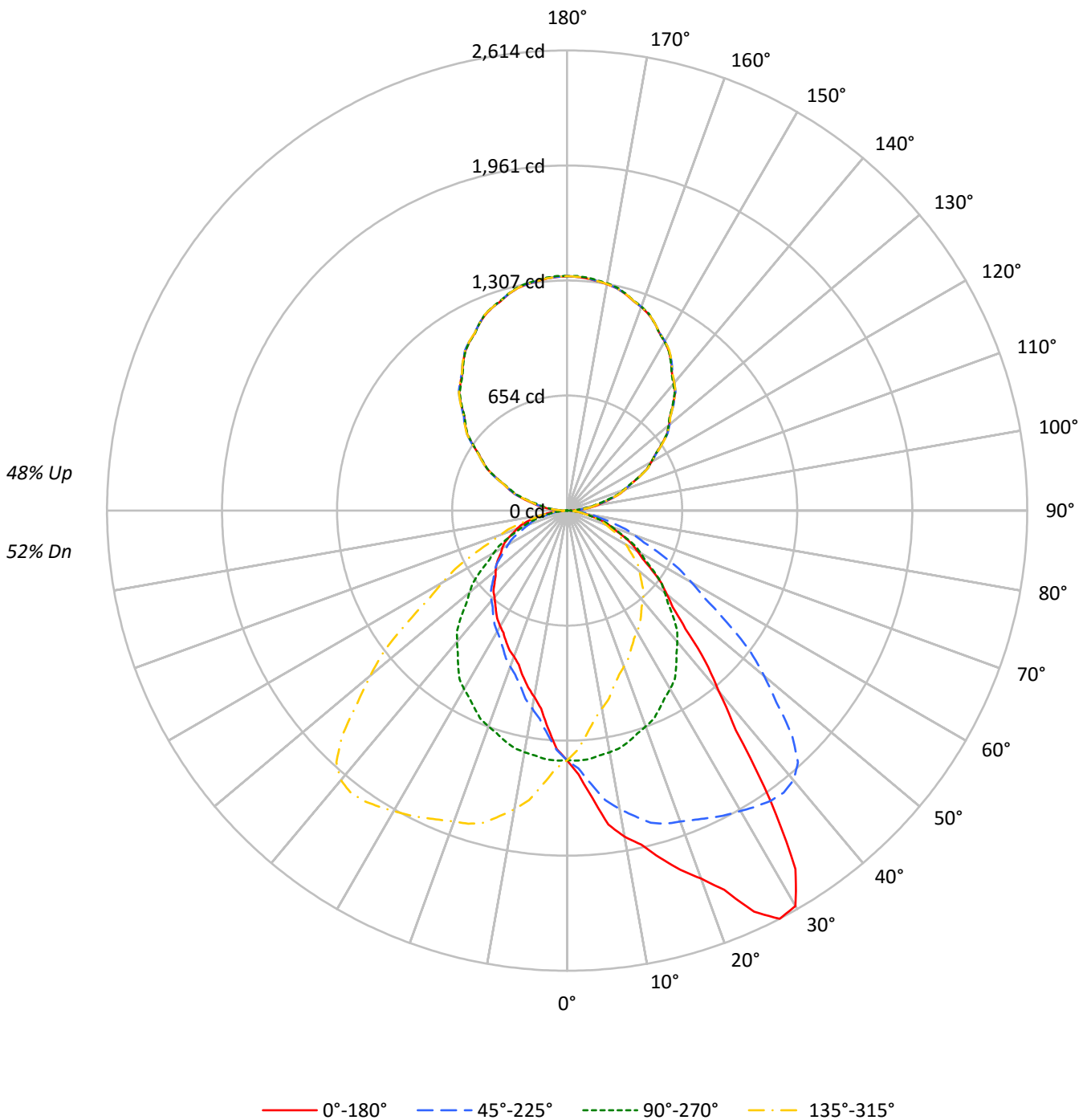
Input Watts (W): 65.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	99	99	99	99	84	84	84	71	71	71	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	70	62	61	59	51	50	49	44
2	90	83	76	71	83	77	71	67	65	61	58	55	52	50	46	44	42	37
3	82	73	65	60	76	68	61	56	58	53	49	49	45	42	41	38	36	32
4	75	64	57	51	69	60	53	48	51	46	42	44	40	36	36	33	31	27
5	69	57	49	43	64	54	46	41	46	41	36	39	35	32	33	30	27	24
6	64	52	44	38	59	48	41	36	42	36	32	35	31	28	30	26	24	21
7	59	47	39	33	54	44	36	31	38	32	28	32	28	25	27	24	21	19
8	55	42	35	29	50	40	33	28	34	29	25	30	25	22	25	22	19	17
9	51	39	31	26	47	36	29	25	32	26	22	27	23	20	23	20	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9158	9158	9158	9158
5°	10605	9189	8045	9189
10°	12338	9141	7050	9141
15°	13658	9074	6503	9074
20°	15289	8968	6064	8968
25°	17910	8848	5850	8848
30°	19345	8730	5665	8730
35°	15906	8508	5542	8508
40°	11306	8200	5409	8200
45°	8685	7784	5332	7784
50°	7414	7268	5322	7268
55°	6600	6764	5368	6764
60°	5955	6212	5504	6212
65°	5500	5656	5647	5656
70°	5000	5080	5729	5080
75°	4414	4474	5677	4474
80°	3715	3649	5192	3649
85°	2942	2631	4187	2631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	1.8
10°-20°	406.4	5.3
20°-30°	660.0	8.5
30°-40°	805.0	10.4
40°-50°	732.3	9.5
50°-60°	583.3	7.6
60°-70°	406.3	5.3
70°-80°	216.7	2.8
80°-90°	57.6	0.7
90°-100°	89.2	1.2
100°-110°	263.4	3.4
110°-120°	446.1	5.8
120°-130°	587.0	7.6
130°-140°	657.8	8.5
140°-150°	644.7	8.4
150°-160°	541.5	7.0
160°-170°	359.9	4.7
170°-180°	126.0	1.6
0°-30°	1202.9	15.6
0°-40°	2008.0	26.0
0°-60°	3323.6	43.1
0°-90°	4004.2	51.9
90°-120°	798.6	10.3
90°-150°	2688.1	34.8
90°-180°	3716.0	48.1
0°-180°	7719.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1418	1418	1418	1418	1418	
5°	1636	1417	1241	1417	1636	165
15°	2043	1357	973	1357	2043	585
25°	2513	1242	821	1242	2513	1148
35°	2017	1079	703	1079	2017	1235
45°	951	852	584	852	951	761
55°	586	601	477	601	586	528
65°	360	370	370	370	360	357
75°	177	179	228	179	177	191
85°	40	36	56	36	40	46
90°	25	1	25	1	25	16
95°	89	67	89	67	89	91
105°	257	236	257	236	257	272
115°	451	447	451	447	451	446
125°	656	652	656	652	656	586
135°	851	848	851	848	851	656
145°	1031	1027	1031	1027	1031	644
155°	1175	1175	1175	1175	1175	541
165°	1274	1278	1274	1278	1274	359
175°	1323	1328	1323	1328	1323	126
180°	1332	1332	1332	1332	1332	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1499.9	1497.9	1496.0	1492.1	1495.0	1486.8	1483.0	1476.2	1468.0	1465.2	1461.8
5°	1635.8	1638.9	1641.9	1629.2	1630.4	1622.0	1602.8	1587.1	1574.5	1558.2	1546.8
7.5°	1799.6	1792.4	1791.9	1783.7	1769.6	1758.3	1738.0	1712.3	1687.4	1658.9	1635.5
10°	1881.4	1882.0	1876.6	1867.0	1851.9	1841.1	1814.6	1789.3	1758.6	1722.5	1696.7
12.5°	1943.0	1945.5	1938.8	1925.7	1918.3	1894.1	1873.4	1843.3	1806.8	1777.9	1738.6
15°	2042.7	2036.1	2031.3	2015.0	2002.4	1977.1	1944.0	1912.7	1872.9	1836.3	1799.6
17.5°	2138.8	2144.0	2135.0	2120.2	2081.0	2051.5	2007.1	1964.3	1914.8	1865.5	1821.7
20°	2224.5	2229.3	2215.5	2189.6	2142.6	2113.2	2054.8	1999.4	1942.2	1879.0	1830.9
22.5°	2331.4	2327.5	2308.8	2269.5	2228.8	2174.3	2111.1	2043.7	1972.0	1900.7	1836.7
25°	2513.4	2488.1	2476.6	2428.0	2374.4	2294.3	2207.6	2108.9	2019.8	1925.4	1843.5
27.5°	2614.2	2606.3	2593.5	2559.6	2503.3	2417.7	2315.5	2195.2	2069.6	1950.3	1843.2
30°	2594.0	2595.2	2596.4	2585.6	2549.5	2485.1	2383.4	2254.0	2104.7	1970.5	1846.5
32.5°	2414.9	2436.8	2457.7	2482.5	2492.7	2480.3	2416.6	2299.7	2146.1	1993.6	1844.6
35°	2017.4	2024.1	2092.0	2159.5	2250.9	2322.0	2369.5	2317.7	2188.3	2013.2	1842.3
37.5°	1573.1	1605.5	1652.6	1728.8	1860.8	1979.1	2131.1	2201.0	2159.3	2019.6	1838.1
40°	1341.0	1371.0	1401.8	1479.3	1590.7	1733.9	1906.7	2054.1	2088.5	1999.4	1823.6
42.5°	1161.8	1185.7	1219.8	1278.1	1371.2	1498.1	1663.0	1855.7	1974.3	1940.6	1793.3
45°	950.9	966.0	992.5	1038.8	1106.3	1205.5	1351.2	1561.8	1745.4	1806.2	1721.4
47.5°	814.0	813.9	834.5	866.5	915.1	999.4	1107.1	1272.2	1468.3	1613.4	1606.6
50°	737.9	734.9	751.1	778.8	817.3	873.3	976.2	1108.0	1296.4	1460.7	1506.5
52.5°	672.4	672.8	682.8	703.2	735.5	783.3	860.1	979.0	1140.0	1308.6	1394.7
55°	586.2	583.8	595.2	609.1	632.6	663.9	719.3	810.1	940.7	1106.8	1218.8
57.5°	507.2	513.9	518.4	528.1	547.6	568.6	615.2	681.9	785.5	928.1	1046.4
60°	461.0	467.6	471.3	480.9	496.5	514.6	550.7	604.8	692.1	814.9	932.3
62.5°	419.6	424.8	426.0	434.6	447.5	465.0	493.4	539.0	607.9	715.2	830.2
65°	359.9	359.9	362.3	371.3	377.4	393.0	414.6	447.8	503.2	586.8	684.9
67.5°	302.4	305.2	304.7	308.6	314.1	326.4	341.9	369.2	410.2	471.3	549.7
70°	264.8	267.2	266.6	269.7	275.6	283.5	296.1	322.0	351.5	403.9	471.3
72.5°	231.1	232.1	230.5	234.5	238.1	245.0	259.0	272.9	300.4	344.6	400.0
75°	176.9	178.2	179.3	181.7	185.4	189.0	196.2	210.1	228.1	261.2	296.8
77.5°	132.7	130.4	133.2	132.9	134.9	137.7	144.1	151.4	166.2	187.2	214.6
80°	99.9	100.5	100.5	101.1	104.2	105.9	111.4	116.7	128.2	143.8	163.1
82.5°	72.9	74.5	73.6	74.6	77.1	78.5	81.5	86.0	92.6	104.9	118.8
85°	39.7	36.7	37.9	39.1	39.1	39.7	42.1	44.0	47.5	52.3	57.8
87.5°	16.5	17.4	17.7	17.6	17.9	17.7	19.4	19.2	20.4	21.6	23.2
90°	24.9	24.2	23.5	22.8	22.1	21.2	20.1	18.9	17.7	16.6	15.0
92.5°	48.9	48.4	47.9	47.3	46.9	45.8	44.3	42.8	41.3	39.8	37.8
95°	89.1	88.6	88.2	87.7	87.3	86.2	84.6	83.0	81.4	79.8	77.5
97.5°	135.1	134.8	134.6	134.3	134.0	133.1	131.6	130.1	128.6	127.1	123.9
100°	170.0	169.5	169.0	168.5	168.1	166.8	164.8	162.6	160.6	158.5	155.5
102.5°	204.7	204.1	203.5	202.9	202.2	200.7	198.5	196.2	193.9	191.7	190.2
105°	257.0	256.3	255.6	254.9	254.2	253.2	251.8	250.4	249.1	247.6	246.3
107.5°	310.4	310.5	310.6	310.6	310.7	310.3	309.6	308.9	308.3	307.6	306.5
110°	350.3	350.4	350.7	350.9	351.2	350.9	350.3	349.6	348.8	348.1	347.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	389.2	389.6	390.0	390.5	390.8	390.9	390.6	390.3	389.9	389.6	388.7
115°	450.8	450.9	451.2	451.5	451.7	451.9	452.1	452.4	452.6	452.8	452.4
117.5°	510.9	511.8	512.7	513.6	514.5	514.9	514.7	514.5	514.3	514.2	513.7
120°	552.3	553.2	554.1	555.1	556.0	556.4	556.4	556.4	556.4	556.4	556.2
122.5°	593.8	594.5	595.2	595.9	596.7	597.2	597.4	597.5	597.7	597.9	597.3
125°	655.9	656.1	656.4	656.7	656.8	657.2	657.6	658.1	658.5	659.1	658.8
127.5°	715.6	716.0	716.5	717.0	717.5	717.8	718.0	718.3	718.5	718.7	718.5
130°	755.4	755.8	756.3	756.8	757.2	757.6	757.8	758.0	758.3	758.5	758.0
132.5°	792.7	793.4	794.0	794.6	795.3	795.7	795.9	796.2	796.4	796.7	796.7
135°	850.7	851.7	852.6	853.5	854.4	854.9	854.9	854.9	854.9	854.9	854.6
137.5°	907.5	908.7	909.8	911.0	912.1	912.6	912.3	912.0	911.7	911.4	911.0
140°	944.0	945.1	946.3	947.4	948.6	949.0	948.5	948.0	947.5	947.1	946.4
142.5°	978.8	980.0	981.1	982.2	983.4	983.8	983.6	983.3	983.0	982.8	981.9
145°	1031.0	1031.7	1032.4	1033.1	1033.8	1034.1	1034.1	1034.1	1034.1	1034.1	1033.4
147.5°	1075.6	1077.2	1078.7	1080.3	1081.8	1082.4	1081.8	1081.3	1080.7	1080.1	1079.6
150°	1108.8	1109.2	1109.6	1110.1	1110.6	1110.8	1110.8	1110.8	1110.8	1110.8	1109.9
152.5°	1136.1	1136.9	1137.7	1138.6	1139.4	1139.5	1139.0	1138.4	1137.9	1137.4	1137.0
155°	1175.1	1176.3	1177.3	1178.5	1179.6	1179.8	1178.8	1177.9	1177.1	1176.1	1175.9
157.5°	1207.6	1209.2	1210.7	1212.2	1213.7	1214.0	1213.1	1212.1	1211.2	1210.3	1210.1
160°	1230.0	1231.1	1232.3	1233.4	1234.6	1234.7	1233.8	1232.9	1231.9	1231.0	1230.8
162.5°	1249.0	1250.4	1251.7	1253.0	1254.4	1254.5	1253.4	1252.3	1251.2	1250.1	1250.0
165°	1274.5	1275.9	1277.3	1278.7	1280.1	1280.3	1279.3	1278.4	1277.6	1276.6	1276.4
167.5°	1294.9	1296.3	1297.7	1299.1	1300.6	1300.6	1299.2	1297.8	1296.5	1295.0	1295.0
170°	1305.6	1307.2	1308.9	1310.5	1312.1	1312.2	1310.8	1309.4	1308.1	1306.6	1306.6
172.5°	1314.7	1316.2	1317.6	1319.0	1320.4	1320.4	1319.1	1317.7	1316.3	1314.9	1314.9
175°	1323.2	1324.8	1326.5	1328.1	1329.7	1329.8	1328.4	1327.0	1325.6	1324.3	1324.3
177.5°	1328.2	1329.5	1330.8	1332.1	1333.4	1333.5	1332.4	1331.2	1330.2	1329.0	1329.2
180°	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1458.9	1455.5	1451.7	1444.9	1436.7	1432.4	1425.7	1421.4	1412.6	1405.4	1397.8
5°	1532.9	1517.3	1502.9	1484.2	1463.7	1450.5	1434.9	1417.4	1399.4	1380.6	1360.2
7.5°	1609.6	1581.9	1551.8	1519.5	1487.8	1458.7	1430.8	1403.6	1378.0	1347.2	1321.1
10°	1661.2	1626.2	1588.9	1545.0	1502.3	1464.9	1427.0	1393.9	1360.2	1324.1	1292.2
12.5°	1712.6	1666.2	1613.5	1565.2	1513.8	1468.7	1424.2	1381.9	1339.5	1299.6	1262.3
15°	1749.0	1708.1	1659.3	1590.7	1532.9	1471.0	1411.9	1357.2	1306.0	1261.5	1214.6
17.5°	1773.0	1720.2	1667.9	1602.0	1526.3	1457.0	1390.2	1327.5	1269.8	1213.4	1168.1
20°	1777.3	1723.1	1668.4	1603.9	1526.3	1446.9	1380.1	1304.8	1242.9	1184.5	1129.1
22.5°	1775.8	1714.5	1654.8	1588.6	1512.9	1439.7	1358.9	1282.2	1215.0	1157.5	1099.7
25°	1762.3	1696.7	1622.0	1555.2	1480.6	1402.9	1321.1	1241.6	1173.0	1107.4	1050.3
27.5°	1751.0	1665.8	1581.4	1503.4	1431.4	1360.2	1281.8	1200.5	1124.4	1057.9	1004.1
30°	1737.0	1643.7	1548.5	1467.3	1393.3	1324.1	1250.1	1170.6	1091.2	1026.2	968.4
32.5°	1724.5	1615.8	1515.4	1426.9	1348.5	1281.2	1213.0	1137.4	1059.4	993.5	935.7
35°	1700.2	1574.5	1459.6	1359.6	1275.9	1206.8	1149.6	1079.1	1007.5	943.7	888.3
37.5°	1669.6	1520.3	1397.0	1292.2	1200.5	1127.6	1074.3	1020.3	951.5	890.0	840.0
40°	1645.5	1481.8	1351.2	1244.0	1149.0	1073.1	1023.8	972.6	915.4	858.3	805.3
42.5°	1615.2	1447.2	1304.9	1189.6	1095.5	1021.6	969.8	926.4	875.9	822.6	773.5
45°	1559.4	1384.3	1230.2	1106.3	1011.1	938.3	884.8	852.2	814.3	763.8	722.2
47.5°	1477.5	1308.8	1149.4	1021.5	923.4	855.9	805.7	774.5	747.8	710.2	672.5
50°	1404.7	1252.5	1091.2	964.2	866.1	798.1	751.7	723.4	700.5	671.6	639.8
52.5°	1323.4	1181.7	1033.8	908.3	811.2	744.1	698.7	673.9	654.8	634.1	602.7
55°	1194.1	1073.7	936.5	817.3	727.6	662.0	622.3	600.7	585.1	569.4	550.1
57.5°	1051.7	957.5	836.0	727.0	644.4	584.8	547.7	526.6	514.4	506.4	495.1
60°	951.5	870.9	766.2	666.8	586.2	533.2	497.1	480.9	470.6	464.0	455.6
62.5°	858.6	792.4	695.4	604.8	534.2	484.1	451.9	436.1	426.3	423.1	416.2
65°	721.7	670.5	590.4	515.2	455.0	412.2	385.2	370.1	364.1	360.5	361.1
67.5°	586.7	555.5	491.2	427.0	379.1	343.2	321.6	310.0	306.9	302.1	302.0
70°	504.4	480.9	426.7	370.8	328.0	300.3	281.1	269.0	266.0	263.6	263.1
72.5°	431.7	411.1	364.1	319.2	280.8	256.5	240.6	233.4	228.5	227.0	226.9
75°	324.4	313.0	275.6	240.1	213.7	196.8	186.0	179.3	175.8	175.1	175.8
77.5°	230.6	220.6	196.9	171.7	155.1	142.3	133.1	130.8	126.7	126.9	126.3
80°	173.3	166.7	151.7	131.8	118.0	107.1	102.3	98.1	96.9	95.1	96.9
82.5°	125.6	118.6	108.3	95.7	84.3	77.8	72.9	71.6	70.9	70.1	70.4
85°	62.0	62.6	56.5	46.9	42.1	38.5	35.5	35.5	34.9	34.3	34.9
87.5°	23.9	22.6	20.3	18.5	15.8	13.9	13.1	13.2	12.1	12.0	12.8
90°	13.4	11.8	10.2	8.4	6.6	4.7	2.9	1.1	2.9	4.7	6.6
92.5°	35.8	33.9	31.8	30.2	29.0	27.6	26.4	25.1	26.4	27.6	29.0
95°	75.2	72.9	70.5	69.2	68.8	68.3	67.8	67.3	67.8	68.3	68.8
97.5°	120.6	117.5	114.3	112.6	112.4	112.3	112.1	111.9	112.1	112.3	112.4
100°	152.6	149.5	146.6	145.1	145.1	145.1	145.1	145.1	145.1	145.1	145.1
102.5°	188.7	187.2	185.7	184.4	183.5	182.5	181.6	180.7	181.6	182.5	183.5
105°	244.9	243.5	242.1	240.9	239.7	238.5	237.4	236.2	237.4	238.5	239.7
107.5°	305.4	304.3	303.3	302.2	301.0	299.9	298.7	297.6	298.7	299.9	301.0
110°	346.8	346.1	345.4	344.5	343.3	342.1	341.0	339.9	341.0	342.1	343.3



TEST NUMBER: P333287-940

CATALOG NUMBER: S125DIP-S1090D1205U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	387.9	387.0	386.1	385.4	384.8	384.1	383.6	383.0	383.6	384.1	384.8
115°	451.9	451.5	450.9	450.3	449.3	448.4	447.5	446.6	447.5	448.4	449.3
117.5°	513.4	512.9	512.5	512.1	511.7	511.3	510.9	510.4	510.9	511.3	511.7
120°	556.0	555.7	555.5	554.8	553.7	552.5	551.3	550.2	551.3	552.5	553.7
122.5°	596.7	596.1	595.5	594.9	594.6	594.1	593.8	593.3	593.8	594.1	594.6
125°	658.5	658.4	658.1	657.3	655.9	654.5	653.2	651.8	653.2	654.5	655.9
127.5°	718.2	717.9	717.6	717.1	716.3	715.5	714.7	714.0	714.7	715.5	716.3
130°	757.6	757.2	756.7	755.8	754.7	753.6	752.4	751.3	752.4	753.6	754.7
132.5°	796.8	796.9	797.0	796.1	794.2	792.4	790.4	788.5	790.4	792.4	794.2
135°	854.4	854.2	854.0	853.2	851.8	850.4	849.0	847.7	849.0	850.4	851.8
137.5°	910.4	909.9	909.5	908.5	907.1	905.8	904.5	903.1	904.5	905.8	907.1
140°	945.7	945.0	944.3	943.4	942.3	941.1	940.0	938.8	940.0	941.1	942.3
142.5°	981.0	980.1	979.3	978.3	977.3	976.4	975.4	974.5	975.4	976.4	977.3
145°	1032.8	1032.1	1031.4	1030.6	1029.7	1028.8	1027.8	1026.9	1027.8	1028.8	1029.7
147.5°	1079.1	1078.5	1077.9	1077.4	1076.9	1076.4	1075.8	1075.4	1075.8	1076.4	1076.9
150°	1108.9	1108.0	1107.1	1106.8	1107.1	1107.2	1107.5	1107.7	1107.5	1107.2	1107.1
152.5°	1136.6	1136.2	1135.9	1135.5	1135.2	1134.9	1134.5	1134.3	1134.5	1134.9	1135.2
155°	1175.6	1175.5	1175.2	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1	1175.1
157.5°	1209.9	1209.6	1209.3	1209.5	1210.1	1210.5	1211.0	1211.6	1211.0	1210.5	1210.1
160°	1230.6	1230.3	1230.1	1230.3	1231.0	1231.7	1232.4	1233.1	1232.4	1231.7	1231.0
162.5°	1250.0	1249.9	1249.9	1250.1	1250.6	1251.2	1251.7	1252.1	1251.7	1251.2	1250.6
165°	1276.1	1275.9	1275.7	1275.8	1276.3	1276.8	1277.2	1277.6	1277.2	1276.8	1276.3
167.5°	1295.0	1295.0	1295.0	1295.5	1296.5	1297.4	1298.2	1299.2	1298.2	1297.4	1296.5
170°	1306.6	1306.6	1306.6	1307.2	1308.1	1308.9	1309.9	1310.8	1309.9	1308.9	1308.1
172.5°	1314.9	1314.9	1314.9	1315.5	1316.3	1317.2	1318.2	1319.1	1318.2	1317.2	1316.3
175°	1324.3	1324.3	1324.3	1324.7	1325.6	1326.6	1327.5	1328.4	1327.5	1326.6	1325.6
177.5°	1329.5	1329.6	1329.8	1330.3	1331.0	1331.7	1332.5	1333.2	1332.5	1331.7	1331.0
180°	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5



TEST NUMBER: P333287-940

CATALOG NUMBER: S125DIP-S1090D1205U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1393.4	1388.1	1383.8	1374.1	1368.9	1361.6	1355.8	1362.1	1355.4	1358.3	1354.0
5°	1350.0	1333.1	1321.1	1303.6	1288.6	1274.7	1264.5	1262.7	1257.8	1255.4	1248.2
7.5°	1297.7	1276.7	1256.0	1233.1	1213.8	1194.2	1181.7	1171.4	1164.5	1155.5	1149.3
10°	1266.9	1238.6	1214.6	1186.9	1162.8	1141.7	1124.9	1116.4	1108.7	1097.2	1093.0
12.5°	1228.9	1199.6	1170.3	1140.7	1117.5	1094.0	1079.6	1066.8	1061.4	1048.6	1047.2
15°	1183.3	1139.3	1110.4	1080.3	1048.5	1029.2	1017.2	1003.3	997.3	988.3	981.6
17.5°	1128.8	1089.6	1053.5	1022.3	995.0	978.7	963.9	954.3	944.0	938.1	927.2
20°	1089.4	1052.0	1015.9	982.8	961.8	943.1	931.0	922.0	911.2	908.2	897.4
22.5°	1056.1	1014.9	980.3	952.5	929.5	908.5	895.5	889.3	881.8	872.5	870.4
25°	1002.1	959.4	929.9	902.2	881.7	862.5	853.5	845.6	838.4	831.8	829.4
27.5°	955.4	917.2	882.2	857.2	839.4	821.8	813.9	804.3	799.1	793.7	787.2
30°	922.7	883.5	852.8	828.8	809.5	793.9	785.4	778.8	774.0	769.2	765.5
32.5°	888.9	852.7	823.0	799.4	780.2	768.3	760.9	756.2	750.9	745.1	740.6
35°	844.5	804.7	775.8	755.4	740.3	731.3	722.8	718.6	712.6	712.6	707.8
37.5°	794.2	759.9	734.4	715.8	702.2	694.2	685.0	682.2	678.3	675.7	674.0
40°	764.4	732.5	708.4	689.7	675.3	668.7	661.5	656.7	654.2	651.2	650.0
42.5°	733.5	703.1	680.0	662.8	650.2	644.6	637.8	634.5	629.6	625.7	625.0
45°	686.7	657.2	636.1	622.3	611.4	604.8	600.7	593.4	591.0	586.2	585.6
47.5°	642.3	614.0	593.3	582.0	572.5	567.0	560.4	553.2	550.5	548.0	547.8
50°	609.1	583.2	563.9	553.1	544.1	536.3	529.7	524.9	523.0	523.0	524.2
52.5°	575.4	553.3	537.0	523.7	515.2	506.8	500.8	497.8	495.1	498.0	500.2
55°	526.0	503.7	491.7	479.1	470.6	461.0	458.0	456.8	455.0	459.9	462.3
57.5°	473.8	458.2	444.1	431.5	423.9	418.4	414.3	413.6	417.0	419.3	427.0
60°	440.6	422.5	409.8	400.2	391.2	387.6	386.4	385.2	387.6	394.2	404.5
62.5°	403.9	389.3	375.7	368.5	361.9	355.8	355.6	356.3	361.1	368.7	378.9
65°	350.3	337.6	328.6	320.2	314.8	311.1	312.4	314.8	320.2	330.4	341.9
67.5°	295.8	287.1	279.0	272.2	267.0	267.0	268.2	271.8	278.2	290.0	300.4
70°	260.6	251.0	244.3	241.4	237.1	234.7	238.4	244.3	249.8	260.6	269.7
72.5°	225.4	217.3	212.1	210.1	208.2	206.3	207.5	214.0	221.3	232.2	242.6
75°	173.3	170.3	166.7	164.3	162.5	163.7	164.9	170.9	176.9	188.4	200.5
77.5°	126.5	123.4	121.2	120.6	119.7	120.3	123.6	128.0	133.9	142.3	151.4
80°	95.7	94.5	93.3	92.6	92.6	93.3	98.1	101.1	106.6	114.3	121.5
82.5°	69.7	68.9	68.8	68.6	69.1	69.2	72.1	76.1	80.5	86.4	92.6
85°	36.7	35.5	37.3	37.9	36.7	38.5	39.7	42.1	44.0	46.9	49.9
87.5°	13.7	15.1	14.9	15.7	16.0	17.3	17.0	19.2	20.4	21.6	21.3
90°	8.4	10.2	11.8	13.4	15.0	16.6	17.7	18.9	20.1	21.2	22.1
92.5°	30.2	31.8	33.9	35.8	37.8	39.8	41.3	42.8	44.3	45.8	46.9
95°	69.2	70.5	72.9	75.2	77.5	79.8	81.4	83.0	84.6	86.2	87.3
97.5°	112.6	114.3	117.5	120.6	123.9	127.1	128.6	130.1	131.6	133.1	134.0
100°	145.1	146.6	149.5	152.6	155.5	158.5	160.6	162.6	164.8	166.8	168.1
102.5°	184.4	185.7	187.2	188.7	190.2	191.7	193.9	196.2	198.5	200.7	202.2
105°	240.9	242.1	243.5	244.9	246.3	247.6	249.1	250.4	251.8	253.2	254.2
107.5°	302.2	303.3	304.3	305.4	306.5	307.6	308.3	308.9	309.6	310.3	310.7
110°	344.5	345.4	346.1	346.8	347.5	348.1	348.8	349.6	350.3	350.9	351.2



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CATALOG NUMBER: S125DIP-S1090D1205U940-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	385.4	386.1	387.0	387.9	388.7	389.6	389.9	390.3	390.6	390.9	390.8
115°	450.3	450.9	451.5	451.9	452.4	452.8	452.6	452.4	452.1	451.9	451.7
117.5°	512.1	512.5	512.9	513.4	513.7	514.2	514.3	514.5	514.7	514.9	514.5
120°	554.8	555.5	555.7	556.0	556.2	556.4	556.4	556.4	556.4	556.4	556.0
122.5°	594.9	595.5	596.1	596.7	597.3	597.9	597.7	597.5	597.4	597.2	596.7
125°	657.3	658.1	658.4	658.5	658.8	659.1	658.5	658.1	657.6	657.2	656.8
127.5°	717.1	717.6	717.9	718.2	718.5	718.7	718.5	718.3	718.0	717.8	717.5
130°	755.8	756.7	757.2	757.6	758.0	758.5	758.3	758.0	757.8	757.6	757.2
132.5°	796.1	797.0	796.9	796.8	796.7	796.7	796.4	796.2	795.9	795.7	795.3
135°	853.2	854.0	854.2	854.4	854.6	854.9	854.9	854.9	854.9	854.9	854.4
137.5°	908.5	909.5	909.9	910.4	911.0	911.4	911.7	912.0	912.3	912.6	912.1
140°	943.4	944.3	945.0	945.7	946.4	947.1	947.5	948.0	948.5	949.0	948.6
142.5°	978.3	979.3	980.1	981.0	981.9	982.8	983.0	983.3	983.6	983.8	983.4
145°	1030.6	1031.4	1032.1	1032.8	1033.4	1034.1	1034.1	1034.1	1034.1	1034.1	1033.8
147.5°	1077.4	1077.9	1078.5	1079.1	1079.6	1080.1	1080.7	1081.3	1081.8	1082.4	1081.8
150°	1106.8	1107.1	1108.0	1108.9	1109.9	1110.8	1110.8	1110.8	1110.8	1110.8	1110.6
152.5°	1135.5	1135.9	1136.2	1136.6	1137.0	1137.4	1137.9	1138.4	1139.0	1139.5	1139.4
155°	1175.1	1175.2	1175.5	1175.6	1175.9	1176.1	1177.1	1177.9	1178.8	1179.8	1179.6
157.5°	1209.5	1209.3	1209.6	1209.9	1210.1	1210.3	1211.2	1212.1	1213.1	1214.0	1213.7
160°	1230.3	1230.1	1230.3	1230.6	1230.8	1231.0	1231.9	1232.9	1233.8	1234.7	1234.6
162.5°	1250.1	1249.9	1249.9	1250.0	1250.0	1250.1	1251.2	1252.3	1253.4	1254.5	1254.4
165°	1275.8	1275.7	1275.9	1276.1	1276.4	1276.6	1277.6	1278.4	1279.3	1280.3	1280.1
167.5°	1295.5	1295.0	1295.0	1295.0	1295.0	1295.0	1296.5	1297.8	1299.2	1300.6	1300.6
170°	1307.2	1306.6	1306.6	1306.6	1306.6	1306.6	1308.1	1309.4	1310.8	1312.2	1312.1
172.5°	1315.5	1314.9	1314.9	1314.9	1314.9	1314.9	1316.3	1317.7	1319.1	1320.4	1320.4
175°	1324.7	1324.3	1324.3	1324.3	1324.3	1324.3	1325.6	1327.0	1328.4	1329.8	1329.7
177.5°	1330.3	1329.8	1329.6	1329.5	1329.2	1329.0	1330.2	1331.2	1332.4	1333.5	1333.4
180°	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5



TEST NUMBER: P333287-940

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1351.0	1354.4	1351.6	1355.4	1351.6	1354.4	1351.0	1354.0	1358.3	1355.4	1362.1
5°	1245.3	1239.8	1243.4	1241.0	1243.4	1239.8	1245.3	1248.2	1255.4	1257.8	1262.7
7.5°	1147.5	1142.4	1136.4	1133.6	1136.4	1142.4	1147.5	1149.3	1155.5	1164.5	1171.4
10°	1086.4	1079.8	1079.1	1075.0	1079.1	1079.8	1086.4	1093.0	1097.2	1108.7	1116.4
12.5°	1041.6	1035.5	1028.6	1026.8	1028.6	1035.5	1041.6	1047.2	1048.6	1061.4	1066.8
15°	978.0	973.2	969.0	972.6	969.0	973.2	978.0	981.6	988.3	997.3	1003.3
17.5°	925.1	921.2	920.5	916.1	920.5	921.2	925.1	927.2	938.1	944.0	954.3
20°	892.0	888.9	890.2	882.3	890.2	888.9	892.0	897.4	908.2	911.2	922.0
22.5°	865.5	859.6	858.9	857.3	858.9	859.6	865.5	870.4	872.5	881.8	889.3
25°	823.9	820.9	818.0	820.9	818.0	820.9	823.9	829.4	831.8	838.4	845.6
27.5°	787.7	784.1	783.3	783.6	783.3	784.1	787.7	787.2	793.7	799.1	804.3
30°	765.5	759.6	760.2	759.6	760.2	759.6	765.5	765.5	769.2	774.0	778.8
32.5°	741.5	737.4	736.6	735.5	736.6	737.4	741.5	740.6	745.1	750.9	756.2
35°	706.0	706.0	702.9	702.9	702.9	706.0	706.0	707.8	712.6	712.6	718.6
37.5°	672.6	672.0	670.2	670.5	670.2	672.0	672.6	674.0	675.7	678.3	682.2
40°	647.6	647.0	645.2	641.6	645.2	647.0	647.6	650.0	651.2	654.2	656.7
42.5°	623.5	621.5	620.6	619.5	620.6	621.5	623.5	625.0	625.7	629.6	634.5
45°	585.6	585.6	584.4	583.8	584.4	585.6	585.6	585.6	586.2	591.0	593.4
47.5°	548.8	549.8	552.1	551.8	552.1	549.8	548.8	547.8	548.0	550.5	553.2
50°	526.6	527.3	529.1	529.7	529.1	527.3	526.6	524.2	523.0	523.0	524.9
52.5°	502.0	505.6	507.8	507.5	507.8	505.6	502.0	500.2	498.0	495.1	497.8
55°	467.6	471.9	476.1	476.7	476.1	471.9	467.6	462.3	459.9	455.0	456.8
57.5°	433.5	439.4	443.9	445.4	443.9	439.4	433.5	427.0	419.3	417.0	413.6
60°	410.5	418.3	423.7	426.1	423.7	418.3	410.5	404.5	394.2	387.6	385.2
62.5°	388.3	397.1	402.5	403.0	402.5	397.1	388.3	378.9	368.7	361.1	356.3
65°	352.0	361.1	366.0	369.5	366.0	361.1	352.0	341.9	330.4	320.2	314.8
67.5°	313.1	322.1	327.4	330.3	327.4	322.1	313.1	300.4	290.0	278.2	271.8
70°	284.7	293.7	301.0	303.4	301.0	293.7	284.7	269.7	260.6	249.8	244.3
72.5°	256.7	264.8	270.6	273.5	270.6	264.8	256.7	242.6	232.2	221.3	214.0
75°	208.2	219.1	224.5	227.5	224.5	219.1	208.2	200.5	188.4	176.9	170.9
77.5°	160.6	170.4	173.7	175.2	173.7	170.4	160.6	151.4	142.3	133.9	128.0
80°	128.8	134.8	139.0	139.6	139.0	134.8	128.8	121.5	114.3	106.6	101.1
82.5°	99.0	104.0	105.3	106.9	105.3	104.0	99.0	92.6	86.4	80.5	76.1
85°	54.1	56.5	57.2	56.5	57.2	56.5	54.1	49.9	46.9	44.0	42.1
87.5°	22.4	22.0	22.2	23.3	22.2	22.0	22.4	21.3	21.6	20.4	19.2
90°	22.8	23.5	24.2	24.9	24.2	23.5	22.8	22.1	21.2	20.1	18.9
92.5°	47.3	47.9	48.4	48.9	48.4	47.9	47.3	46.9	45.8	44.3	42.8
95°	87.7	88.2	88.6	89.1	88.6	88.2	87.7	87.3	86.2	84.6	83.0
97.5°	134.3	134.6	134.8	135.1	134.8	134.6	134.3	134.0	133.1	131.6	130.1
100°	168.5	169.0	169.5	170.0	169.5	169.0	168.5	168.1	166.8	164.8	162.6
102.5°	202.9	203.5	204.1	204.7	204.1	203.5	202.9	202.2	200.7	198.5	196.2
105°	254.9	255.6	256.3	257.0	256.3	255.6	254.9	254.2	253.2	251.8	250.4
107.5°	310.6	310.6	310.5	310.4	310.5	310.6	310.6	310.7	310.3	309.6	308.9
110°	350.9	350.7	350.4	350.3	350.4	350.7	350.9	351.2	350.9	350.3	349.6



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	390.5	390.0	389.6	389.2	389.6	390.0	390.5	390.8	390.9	390.6	390.3
115°	451.5	451.2	450.9	450.8	450.9	451.2	451.5	451.7	451.9	452.1	452.4
117.5°	513.6	512.7	511.8	510.9	511.8	512.7	513.6	514.5	514.9	514.7	514.5
120°	555.1	554.1	553.2	552.3	553.2	554.1	555.1	556.0	556.4	556.4	556.4
122.5°	595.9	595.2	594.5	593.8	594.5	595.2	595.9	596.7	597.2	597.4	597.5
125°	656.7	656.4	656.1	655.9	656.1	656.4	656.7	656.8	657.2	657.6	658.1
127.5°	717.0	716.5	716.0	715.6	716.0	716.5	717.0	717.5	717.8	718.0	718.3
130°	756.8	756.3	755.8	755.4	755.8	756.3	756.8	757.2	757.6	757.8	758.0
132.5°	794.6	794.0	793.4	792.7	793.4	794.0	794.6	795.3	795.7	795.9	796.2
135°	853.5	852.6	851.7	850.7	851.7	852.6	853.5	854.4	854.9	854.9	854.9
137.5°	911.0	909.8	908.7	907.5	908.7	909.8	911.0	912.1	912.6	912.3	912.0
140°	947.4	946.3	945.1	944.0	945.1	946.3	947.4	948.6	949.0	948.5	948.0
142.5°	982.2	981.1	980.0	978.8	980.0	981.1	982.2	983.4	983.8	983.6	983.3
145°	1033.1	1032.4	1031.7	1031.0	1031.7	1032.4	1033.1	1033.8	1034.1	1034.1	1034.1
147.5°	1080.3	1078.7	1077.2	1075.6	1077.2	1078.7	1080.3	1081.8	1082.4	1081.8	1081.3
150°	1110.1	1109.6	1109.2	1108.8	1109.2	1109.6	1110.1	1110.6	1110.8	1110.8	1110.8
152.5°	1138.6	1137.7	1136.9	1136.1	1136.9	1137.7	1138.6	1139.4	1139.5	1139.0	1138.4
155°	1178.5	1177.3	1176.3	1175.1	1176.3	1177.3	1178.5	1179.6	1179.8	1178.8	1177.9
157.5°	1212.2	1210.7	1209.2	1207.6	1209.2	1210.7	1212.2	1213.7	1214.0	1213.1	1212.1
160°	1233.4	1232.3	1231.1	1230.0	1231.1	1232.3	1233.4	1234.6	1234.7	1233.8	1232.9
162.5°	1253.0	1251.7	1250.4	1249.0	1250.4	1251.7	1253.0	1254.4	1254.5	1253.4	1252.3
165°	1278.7	1277.3	1275.9	1274.5	1275.9	1277.3	1278.7	1280.1	1280.3	1279.3	1278.4
167.5°	1299.1	1297.7	1296.3	1294.9	1296.3	1297.7	1299.1	1300.6	1300.6	1299.2	1297.8
170°	1310.5	1308.9	1307.2	1305.6	1307.2	1308.9	1310.5	1312.1	1312.2	1310.8	1309.4
172.5°	1319.0	1317.6	1316.2	1314.7	1316.2	1317.6	1319.0	1320.4	1320.4	1319.1	1317.7
175°	1328.1	1326.5	1324.8	1323.2	1324.8	1326.5	1328.1	1329.7	1329.8	1328.4	1327.0
177.5°	1332.1	1330.8	1329.5	1328.2	1329.5	1330.8	1332.1	1333.4	1333.5	1332.4	1331.2
180°	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1355.8	1361.6	1368.9	1374.1	1383.8	1388.1	1393.4	1397.8	1405.4	1412.6	1421.4
5°	1264.5	1274.7	1288.6	1303.6	1321.1	1333.1	1350.0	1360.2	1380.6	1399.4	1417.4
7.5°	1181.7	1194.2	1213.8	1233.1	1256.0	1276.7	1297.7	1321.1	1347.2	1378.0	1403.6
10°	1124.9	1141.7	1162.8	1186.9	1214.6	1238.6	1266.9	1292.2	1324.1	1360.2	1393.9
12.5°	1079.6	1094.0	1117.5	1140.7	1170.3	1199.6	1228.9	1262.3	1299.6	1339.5	1381.9
15°	1017.2	1029.2	1048.5	1080.3	1110.4	1139.3	1183.3	1214.6	1261.5	1306.0	1357.2
17.5°	963.9	978.7	995.0	1022.3	1053.5	1089.6	1128.8	1168.1	1213.4	1269.8	1327.5
20°	931.0	943.1	961.8	982.8	1015.9	1052.0	1089.4	1129.1	1184.5	1242.9	1304.8
22.5°	895.5	908.5	929.5	952.5	980.3	1014.9	1056.1	1099.7	1157.5	1215.0	1282.2
25°	853.5	862.5	881.7	902.2	929.9	959.4	1002.1	1050.3	1107.4	1173.0	1241.6
27.5°	813.9	821.8	839.4	857.2	882.2	917.2	955.4	1004.1	1057.9	1124.4	1200.5
30°	785.4	793.9	809.5	828.8	852.8	883.5	922.7	968.4	1026.2	1091.2	1170.6
32.5°	760.9	768.3	780.2	799.4	823.0	852.7	888.9	935.7	993.5	1059.4	1137.4
35°	722.8	731.3	740.3	755.4	775.8	804.7	844.5	888.3	943.7	1007.5	1079.1
37.5°	685.0	694.2	702.2	715.8	734.4	759.9	794.2	840.0	890.0	951.5	1020.3
40°	661.5	668.7	675.3	689.7	708.4	732.5	764.4	805.3	858.3	915.4	972.6
42.5°	637.8	644.6	650.2	662.8	680.0	703.1	733.5	773.5	822.6	875.9	926.4
45°	600.7	604.8	611.4	622.3	636.1	657.2	686.7	722.2	763.8	814.3	852.2
47.5°	560.4	567.0	572.5	582.0	593.3	614.0	642.3	672.5	710.2	747.8	774.5
50°	529.7	536.3	544.1	553.1	563.9	583.2	609.1	639.8	671.6	700.5	723.4
52.5°	500.8	506.8	515.2	523.7	537.0	553.3	575.4	602.7	634.1	654.8	673.9
55°	458.0	461.0	470.6	479.1	491.7	503.7	526.0	550.1	569.4	585.1	600.7
57.5°	414.3	418.4	423.9	431.5	444.1	458.2	473.8	495.1	506.4	514.4	526.6
60°	386.4	387.6	391.2	400.2	409.8	422.5	440.6	455.6	464.0	470.6	480.9
62.5°	355.6	355.8	361.9	368.5	375.7	389.3	403.9	416.2	423.1	426.3	436.1
65°	312.4	311.1	314.8	320.2	328.6	337.6	350.3	361.1	360.5	364.1	370.1
67.5°	268.2	267.0	267.0	272.2	279.0	287.1	295.8	302.0	302.1	306.9	310.0
70°	238.4	234.7	237.1	241.4	244.3	251.0	260.6	263.1	263.6	266.0	269.0
72.5°	207.5	206.3	208.2	210.1	212.1	217.3	225.4	226.9	227.0	228.5	233.4
75°	164.9	163.7	162.5	164.3	166.7	170.3	173.3	175.8	175.1	175.8	179.3
77.5°	123.6	120.3	119.7	120.6	121.2	123.4	126.5	126.3	126.9	126.7	130.8
80°	98.1	93.3	92.6	92.6	93.3	94.5	95.7	96.9	95.1	96.9	98.1
82.5°	72.1	69.2	69.1	68.6	68.8	68.9	69.7	70.4	70.1	70.9	71.6
85°	39.7	38.5	36.7	37.9	37.3	35.5	36.7	34.9	34.3	34.9	35.5
87.5°	17.0	17.3	16.0	15.7	14.9	15.1	13.7	12.8	12.0	12.1	13.2
90°	17.7	16.6	15.0	13.4	11.8	10.2	8.4	6.6	4.7	2.9	1.1
92.5°	41.3	39.8	37.8	35.8	33.9	31.8	30.2	29.0	27.6	26.4	25.1
95°	81.4	79.8	77.5	75.2	72.9	70.5	69.2	68.8	68.3	67.8	67.3
97.5°	128.6	127.1	123.9	120.6	117.5	114.3	112.6	112.4	112.3	112.1	111.9
100°	160.6	158.5	155.5	152.6	149.5	146.6	145.1	145.1	145.1	145.1	145.1
102.5°	193.9	191.7	190.2	188.7	187.2	185.7	184.4	183.5	182.5	181.6	180.7
105°	249.1	247.6	246.3	244.9	243.5	242.1	240.9	239.7	238.5	237.4	236.2
107.5°	308.3	307.6	306.5	305.4	304.3	303.3	302.2	301.0	299.9	298.7	297.6
110°	348.8	348.1	347.5	346.8	346.1	345.4	344.5	343.3	342.1	341.0	339.9



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	389.9	389.6	388.7	387.9	387.0	386.1	385.4	384.8	384.1	383.6	383.0
115°	452.6	452.8	452.4	451.9	451.5	450.9	450.3	449.3	448.4	447.5	446.6
117.5°	514.3	514.2	513.7	513.4	512.9	512.5	512.1	511.7	511.3	510.9	510.4
120°	556.4	556.4	556.2	556.0	555.7	555.5	554.8	553.7	552.5	551.3	550.2
122.5°	597.7	597.9	597.3	596.7	596.1	595.5	594.9	594.6	594.1	593.8	593.3
125°	658.5	659.1	658.8	658.5	658.4	658.1	657.3	655.9	654.5	653.2	651.8
127.5°	718.5	718.7	718.5	718.2	717.9	717.6	717.1	716.3	715.5	714.7	714.0
130°	758.3	758.5	758.0	757.6	757.2	756.7	755.8	754.7	753.6	752.4	751.3
132.5°	796.4	796.7	796.7	796.8	796.9	797.0	796.1	794.2	792.4	790.4	788.5
135°	854.9	854.9	854.6	854.4	854.2	854.0	853.2	851.8	850.4	849.0	847.7
137.5°	911.7	911.4	911.0	910.4	909.9	909.5	908.5	907.1	905.8	904.5	903.1
140°	947.5	947.1	946.4	945.7	945.0	944.3	943.4	942.3	941.1	940.0	938.8
142.5°	983.0	982.8	981.9	981.0	980.1	979.3	978.3	977.3	976.4	975.4	974.5
145°	1034.1	1034.1	1033.4	1032.8	1032.1	1031.4	1030.6	1029.7	1028.8	1027.8	1026.9
147.5°	1080.7	1080.1	1079.6	1079.1	1078.5	1077.9	1077.4	1076.9	1076.4	1075.8	1075.4
150°	1110.8	1110.8	1109.9	1108.9	1108.0	1107.1	1106.8	1107.1	1107.2	1107.5	1107.7
152.5°	1137.9	1137.4	1137.0	1136.6	1136.2	1135.9	1135.5	1135.2	1134.9	1134.5	1134.3
155°	1177.1	1176.1	1175.9	1175.6	1175.5	1175.2	1175.1	1175.1	1175.1	1175.1	1175.1
157.5°	1211.2	1210.3	1210.1	1209.9	1209.6	1209.3	1209.5	1210.1	1210.5	1211.0	1211.6
160°	1231.9	1231.0	1230.8	1230.6	1230.3	1230.1	1230.3	1231.0	1231.7	1232.4	1233.1
162.5°	1251.2	1250.1	1250.0	1250.0	1249.9	1249.9	1250.1	1250.6	1251.2	1251.7	1252.1
165°	1277.6	1276.6	1276.4	1276.1	1275.9	1275.7	1275.8	1276.3	1276.8	1277.2	1277.6
167.5°	1296.5	1295.0	1295.0	1295.0	1295.0	1295.0	1295.5	1296.5	1297.4	1298.2	1299.2
170°	1308.1	1306.6	1306.6	1306.6	1306.6	1306.6	1307.2	1308.1	1308.9	1309.9	1310.8
172.5°	1316.3	1314.9	1314.9	1314.9	1314.9	1314.9	1315.5	1316.3	1317.2	1318.2	1319.1
175°	1325.6	1324.3	1324.3	1324.3	1324.3	1324.3	1324.7	1325.6	1326.6	1327.5	1328.4
177.5°	1330.2	1329.0	1329.2	1329.5	1329.6	1329.8	1330.3	1331.0	1331.7	1332.5	1333.2
180°	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1425.7	1432.4	1436.7	1444.9	1451.7	1455.5	1458.9	1461.8	1465.2	1468.0	1476.2
5°	1434.9	1450.5	1463.7	1484.2	1502.9	1517.3	1532.9	1546.8	1558.2	1574.5	1587.1
7.5°	1430.8	1458.7	1487.8	1519.5	1551.8	1581.9	1609.6	1635.5	1658.9	1687.4	1712.3
10°	1427.0	1464.9	1502.3	1545.0	1588.9	1626.2	1661.2	1696.7	1722.5	1758.6	1789.3
12.5°	1424.2	1468.7	1513.8	1565.2	1613.5	1666.2	1712.6	1738.6	1777.9	1806.8	1843.3
15°	1411.9	1471.0	1532.9	1590.7	1659.3	1708.1	1749.0	1799.6	1836.3	1872.9	1912.7
17.5°	1390.2	1457.0	1526.3	1602.0	1667.9	1720.2	1773.0	1821.7	1865.5	1914.8	1964.3
20°	1380.1	1446.9	1526.3	1603.9	1668.4	1723.1	1777.3	1830.9	1879.0	1942.2	1999.4
22.5°	1358.9	1439.7	1512.9	1588.6	1654.8	1714.5	1775.8	1836.7	1900.7	1972.0	2043.7
25°	1321.1	1402.9	1480.6	1555.2	1622.0	1696.7	1762.3	1843.5	1925.4	2019.8	2108.9
27.5°	1281.8	1360.2	1431.4	1503.4	1581.4	1665.8	1751.0	1843.2	1950.3	2069.6	2195.2
30°	1250.1	1324.1	1393.3	1467.3	1548.5	1643.7	1737.0	1846.5	1970.5	2104.7	2254.0
32.5°	1213.0	1281.2	1348.5	1426.9	1515.4	1615.8	1724.5	1844.6	1993.6	2146.1	2299.7
35°	1149.6	1206.8	1275.9	1359.6	1459.6	1574.5	1700.2	1842.3	2013.2	2188.3	2317.7
37.5°	1074.3	1127.6	1200.5	1292.2	1397.0	1520.3	1669.6	1838.1	2019.6	2159.3	2201.0
40°	1023.8	1073.1	1149.0	1244.0	1351.2	1481.8	1645.5	1823.6	1999.4	2088.5	2054.1
42.5°	969.8	1021.6	1095.5	1189.6	1304.9	1447.2	1615.2	1793.3	1940.6	1974.3	1855.7
45°	884.8	938.3	1011.1	1106.3	1230.2	1384.3	1559.4	1721.4	1806.2	1745.4	1561.8
47.5°	805.7	855.9	923.4	1021.5	1149.4	1308.8	1477.5	1606.6	1613.4	1468.3	1272.2
50°	751.7	798.1	866.1	964.2	1091.2	1252.5	1404.7	1506.5	1460.7	1296.4	1108.0
52.5°	698.7	744.1	811.2	908.3	1033.8	1181.7	1323.4	1394.7	1308.6	1140.0	979.0
55°	622.3	662.0	727.6	817.3	936.5	1073.7	1194.1	1218.8	1106.8	940.7	810.1
57.5°	547.7	584.8	644.4	727.0	836.0	957.5	1051.7	1046.4	928.1	785.5	681.9
60°	497.1	533.2	586.2	666.8	766.2	870.9	951.5	932.3	814.9	692.1	604.8
62.5°	451.9	484.1	534.2	604.8	695.4	792.4	858.6	830.2	715.2	607.9	539.0
65°	385.2	412.2	455.0	515.2	590.4	670.5	721.7	684.9	586.8	503.2	447.8
67.5°	321.6	343.2	379.1	427.0	491.2	555.5	586.7	549.7	471.3	410.2	369.2
70°	281.1	300.3	328.0	370.8	426.7	480.9	504.4	471.3	403.9	351.5	322.0
72.5°	240.6	256.5	280.8	319.2	364.1	411.1	431.7	400.0	344.6	300.4	272.9
75°	186.0	196.8	213.7	240.1	275.6	313.0	324.4	296.8	261.2	228.1	210.1
77.5°	133.1	142.3	155.1	171.7	196.9	220.6	230.6	214.6	187.2	166.2	151.4
80°	102.3	107.1	118.0	131.8	151.7	166.7	173.3	163.1	143.8	128.2	116.7
82.5°	72.9	77.8	84.3	95.7	108.3	118.6	125.6	118.8	104.9	92.6	86.0
85°	35.5	38.5	42.1	46.9	56.5	62.6	62.0	57.8	52.3	47.5	44.0
87.5°	13.1	13.9	15.8	18.5	20.3	22.6	23.9	23.2	21.6	20.4	19.2
90°	2.9	4.7	6.6	8.4	10.2	11.8	13.4	15.0	16.6	17.7	18.9
92.5°	26.4	27.6	29.0	30.2	31.8	33.9	35.8	37.8	39.8	41.3	42.8
95°	67.8	68.3	68.8	69.2	70.5	72.9	75.2	77.5	79.8	81.4	83.0
97.5°	112.1	112.3	112.4	112.6	114.3	117.5	120.6	123.9	127.1	128.6	130.1
100°	145.1	145.1	145.1	145.1	146.6	149.5	152.6	155.5	158.5	160.6	162.6
102.5°	181.6	182.5	183.5	184.4	185.7	187.2	188.7	190.2	191.7	193.9	196.2
105°	237.4	238.5	239.7	240.9	242.1	243.5	244.9	246.3	247.6	249.1	250.4
107.5°	298.7	299.9	301.0	302.2	303.3	304.3	305.4	306.5	307.6	308.3	308.9
110°	341.0	342.1	343.3	344.5	345.4	346.1	346.8	347.5	348.1	348.8	349.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	383.6	384.1	384.8	385.4	386.1	387.0	387.9	388.7	389.6	389.9	390.3
115°	447.5	448.4	449.3	450.3	450.9	451.5	451.9	452.4	452.8	452.6	452.4
117.5°	510.9	511.3	511.7	512.1	512.5	512.9	513.4	513.7	514.2	514.3	514.5
120°	551.3	552.5	553.7	554.8	555.5	555.7	556.0	556.2	556.4	556.4	556.4
122.5°	593.8	594.1	594.6	594.9	595.5	596.1	596.7	597.3	597.9	597.7	597.5
125°	653.2	654.5	655.9	657.3	658.1	658.4	658.5	658.8	659.1	658.5	658.1
127.5°	714.7	715.5	716.3	717.1	717.6	717.9	718.2	718.5	718.7	718.5	718.3
130°	752.4	753.6	754.7	755.8	756.7	757.2	757.6	758.0	758.5	758.3	758.0
132.5°	790.4	792.4	794.2	796.1	797.0	796.9	796.8	796.7	796.7	796.4	796.2
135°	849.0	850.4	851.8	853.2	854.0	854.2	854.4	854.6	854.9	854.9	854.9
137.5°	904.5	905.8	907.1	908.5	909.5	909.9	910.4	911.0	911.4	911.7	912.0
140°	940.0	941.1	942.3	943.4	944.3	945.0	945.7	946.4	947.1	947.5	948.0
142.5°	975.4	976.4	977.3	978.3	979.3	980.1	981.0	981.9	982.8	983.0	983.3
145°	1027.8	1028.8	1029.7	1030.6	1031.4	1032.1	1032.8	1033.4	1034.1	1034.1	1034.1
147.5°	1075.8	1076.4	1076.9	1077.4	1077.9	1078.5	1079.1	1079.6	1080.1	1080.7	1081.3
150°	1107.5	1107.2	1107.1	1106.8	1107.1	1108.0	1108.9	1109.9	1110.8	1110.8	1110.8
152.5°	1134.5	1134.9	1135.2	1135.5	1135.9	1136.2	1136.6	1137.0	1137.4	1137.9	1138.4
155°	1175.1	1175.1	1175.1	1175.1	1175.2	1175.5	1175.6	1175.9	1176.1	1177.1	1177.9
157.5°	1211.0	1210.5	1210.1	1209.5	1209.3	1209.6	1209.9	1210.1	1210.3	1211.2	1212.1
160°	1232.4	1231.7	1231.0	1230.3	1230.1	1230.3	1230.6	1230.8	1231.0	1231.9	1232.9
162.5°	1251.7	1251.2	1250.6	1250.1	1249.9	1249.9	1250.0	1250.0	1250.1	1251.2	1252.3
165°	1277.2	1276.8	1276.3	1275.8	1275.7	1275.9	1276.1	1276.4	1276.6	1277.6	1278.4
167.5°	1298.2	1297.4	1296.5	1295.5	1295.0	1295.0	1295.0	1295.0	1295.0	1296.5	1297.8
170°	1309.9	1308.9	1308.1	1307.2	1306.6	1306.6	1306.6	1306.6	1306.6	1308.1	1309.4
172.5°	1318.2	1317.2	1316.3	1315.5	1314.9	1314.9	1314.9	1314.9	1314.9	1316.3	1317.7
175°	1327.5	1326.6	1325.6	1324.7	1324.3	1324.3	1324.3	1324.3	1324.3	1325.6	1327.0
177.5°	1332.5	1331.7	1331.0	1330.3	1329.8	1329.6	1329.5	1329.2	1329.0	1330.2	1331.2
180°	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0	1418.0
2.5°	1483.0	1486.8	1495.0	1492.1	1496.0	1497.9	1499.9
5°	1602.8	1622.0	1630.4	1629.2	1641.9	1638.9	1635.8
7.5°	1738.0	1758.3	1769.6	1783.7	1791.9	1792.4	1799.6
10°	1814.6	1841.1	1851.9	1867.0	1876.6	1882.0	1881.4
12.5°	1873.4	1894.1	1918.3	1925.7	1938.8	1945.5	1943.0
15°	1944.0	1977.1	2002.4	2015.0	2031.3	2036.1	2042.7
17.5°	2007.1	2051.5	2081.0	2120.2	2135.0	2144.0	2138.8
20°	2054.8	2113.2	2142.6	2189.6	2215.5	2229.3	2224.5
22.5°	2111.1	2174.3	2228.8	2269.5	2308.8	2327.5	2331.4
25°	2207.6	2294.3	2374.4	2428.0	2476.6	2488.1	2513.4
27.5°	2315.5	2417.7	2503.3	2559.6	2593.5	2606.3	2614.2
30°	2383.4	2485.1	2549.5	2585.6	2596.4	2595.2	2594.0
32.5°	2416.6	2480.3	2492.7	2482.5	2457.7	2436.8	2414.9
35°	2369.5	2322.0	2250.9	2159.5	2092.0	2024.1	2017.4
37.5°	2131.1	1979.1	1860.8	1728.8	1652.6	1605.5	1573.1
40°	1906.7	1733.9	1590.7	1479.3	1401.8	1371.0	1341.0
42.5°	1663.0	1498.1	1371.2	1278.1	1219.8	1185.7	1161.8
45°	1351.2	1205.5	1106.3	1038.8	992.5	966.0	950.9
47.5°	1107.1	999.4	915.1	866.5	834.5	813.9	814.0
50°	976.2	873.3	817.3	778.8	751.1	734.9	737.9
52.5°	860.1	783.3	735.5	703.2	682.8	672.8	672.4
55°	719.3	663.9	632.6	609.1	595.2	583.8	586.2
57.5°	615.2	568.6	547.6	528.1	518.4	513.9	507.2
60°	550.7	514.6	496.5	480.9	471.3	467.6	461.0
62.5°	493.4	465.0	447.5	434.6	426.0	424.8	419.6
65°	414.6	393.0	377.4	371.3	362.3	359.9	359.9
67.5°	341.9	326.4	314.1	308.6	304.7	305.2	302.4
70°	296.1	283.5	275.6	269.7	266.6	267.2	264.8
72.5°	259.0	245.0	238.1	234.5	230.5	232.1	231.1
75°	196.2	189.0	185.4	181.7	179.3	178.2	176.9
77.5°	144.1	137.7	134.9	132.9	133.2	130.4	132.7
80°	111.4	105.9	104.2	101.1	100.5	100.5	99.9
82.5°	81.5	78.5	77.1	74.6	73.6	74.5	72.9
85°	42.1	39.7	39.1	39.1	37.9	36.7	39.7
87.5°	19.4	17.7	17.9	17.6	17.7	17.4	16.5
90°	20.1	21.2	22.1	22.8	23.5	24.2	24.9
92.5°	44.3	45.8	46.9	47.3	47.9	48.4	48.9
95°	84.6	86.2	87.3	87.7	88.2	88.6	89.1
97.5°	131.6	133.1	134.0	134.3	134.6	134.8	135.1
100°	164.8	166.8	168.1	168.5	169.0	169.5	170.0
102.5°	198.5	200.7	202.2	202.9	203.5	204.1	204.7
105°	251.8	253.2	254.2	254.9	255.6	256.3	257.0
107.5°	309.6	310.3	310.7	310.6	310.6	310.5	310.4
110°	350.3	350.9	351.2	350.9	350.7	350.4	350.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	390.6	390.9	390.8	390.5	390.0	389.6	389.2
115°	452.1	451.9	451.7	451.5	451.2	450.9	450.8
117.5°	514.7	514.9	514.5	513.6	512.7	511.8	510.9
120°	556.4	556.4	556.0	555.1	554.1	553.2	552.3
122.5°	597.4	597.2	596.7	595.9	595.2	594.5	593.8
125°	657.6	657.2	656.8	656.7	656.4	656.1	655.9
127.5°	718.0	717.8	717.5	717.0	716.5	716.0	715.6
130°	757.8	757.6	757.2	756.8	756.3	755.8	755.4
132.5°	795.9	795.7	795.3	794.6	794.0	793.4	792.7
135°	854.9	854.9	854.4	853.5	852.6	851.7	850.7
137.5°	912.3	912.6	912.1	911.0	909.8	908.7	907.5
140°	948.5	949.0	948.6	947.4	946.3	945.1	944.0
142.5°	983.6	983.8	983.4	982.2	981.1	980.0	978.8
145°	1034.1	1034.1	1033.8	1033.1	1032.4	1031.7	1031.0
147.5°	1081.8	1082.4	1081.8	1080.3	1078.7	1077.2	1075.6
150°	1110.8	1110.8	1110.6	1110.1	1109.6	1109.2	1108.8
152.5°	1139.0	1139.5	1139.4	1138.6	1137.7	1136.9	1136.1
155°	1178.8	1179.8	1179.6	1178.5	1177.3	1176.3	1175.1
157.5°	1213.1	1214.0	1213.7	1212.2	1210.7	1209.2	1207.6
160°	1233.8	1234.7	1234.6	1233.4	1232.3	1231.1	1230.0
162.5°	1253.4	1254.5	1254.4	1253.0	1251.7	1250.4	1249.0
165°	1279.3	1280.3	1280.1	1278.7	1277.3	1275.9	1274.5
167.5°	1299.2	1300.6	1300.6	1299.1	1297.7	1296.3	1294.9
170°	1310.8	1312.2	1312.1	1310.5	1308.9	1307.2	1305.6
172.5°	1319.1	1320.4	1320.4	1319.0	1317.6	1316.2	1314.7
175°	1328.4	1329.8	1329.7	1328.1	1326.5	1324.8	1323.2
177.5°	1332.4	1333.5	1333.4	1332.1	1330.8	1329.5	1328.2
180°	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5	1331.5

(END OF REPORT)