

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: P333322-830

Luminaire Tested: **S125DIP-S1270D1035U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333322-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1270D1035U830-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8785.8 lumens
Efficiency: N/A
Efficacy: 131.5 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

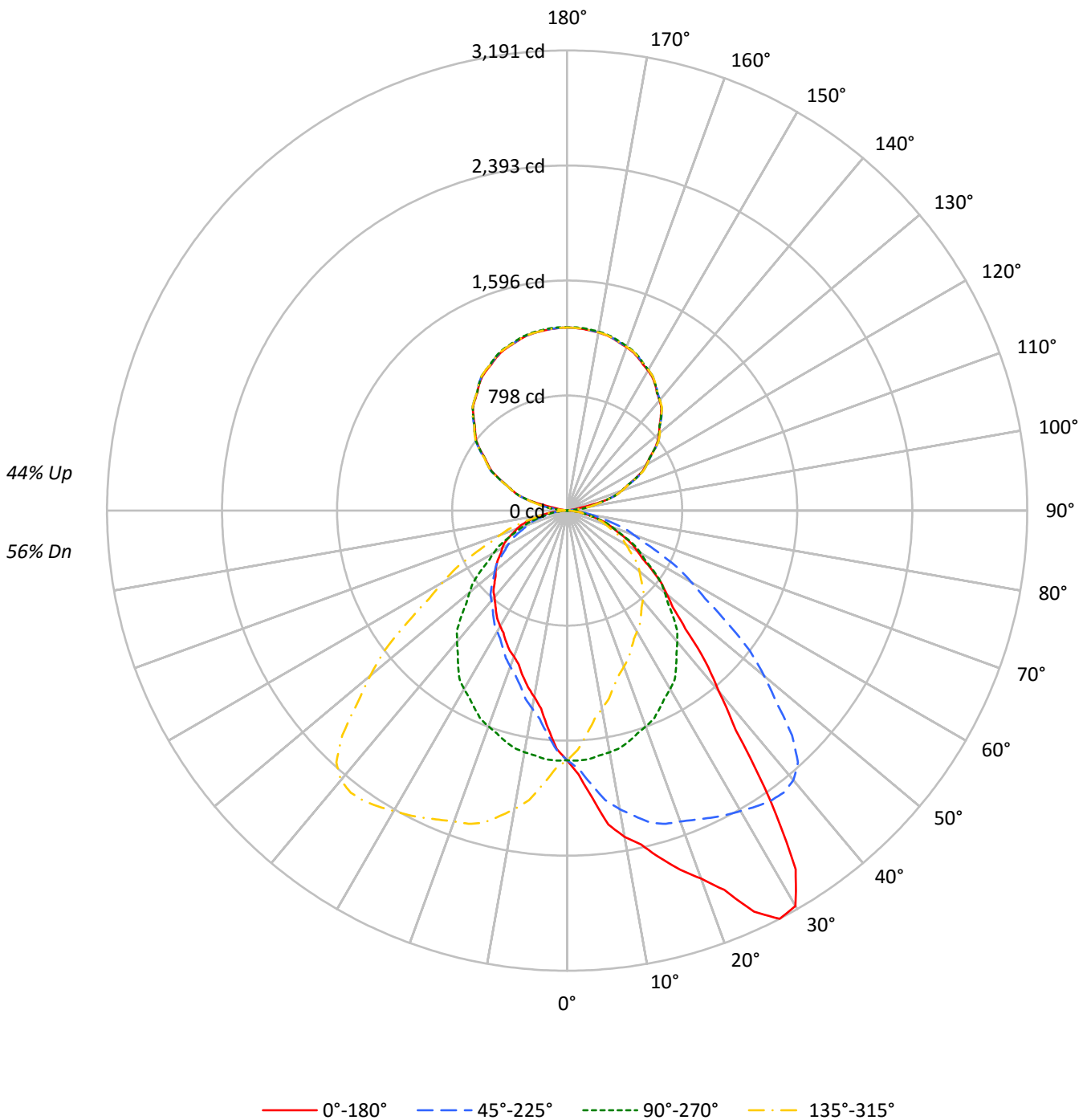
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	99	95	91	88	92	88	85	82	76	74	72	65	63	62	55	53	52	47
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	73	66	60	77	69	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	39	35	33	29
5	70	58	50	44	65	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	32	28	25	23
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	26	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	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11180	11180	11180	11180
5°	12947	11218	9822	11218
10°	15062	11160	8605	11160
15°	16673	11078	7938	11078
20°	18664	10948	7403	10948
25°	21865	10802	7142	10802
30°	23616	10657	6915	10657
35°	19418	10387	6766	10387
40°	13801	10010	6604	10010
45°	10602	9502	6509	9502
50°	9051	8874	6497	8874
55°	8059	8257	6552	8257
60°	7270	7582	6719	7582
65°	6715	6906	6894	6906
70°	6105	6201	6992	6201
75°	5390	5465	6932	5465
80°	4537	4456	6338	4456
85°	3586	3216	5120	3216



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.6	1.9
10°-20°	496.2	5.6
20°-30°	805.7	9.2
30°-40°	982.8	11.2
40°-50°	894.0	10.2
50°-60°	712.1	8.1
60°-70°	496.0	5.6
70°-80°	264.5	3.0
80°-90°	69.4	0.8
90°-100°	46.1	0.5
100°-110°	284.3	3.2
110°-120°	515.7	5.9
120°-130°	661.8	7.5
130°-140°	711.8	8.1
140°-150°	668.2	7.6
150°-160°	540.5	6.2
160°-170°	349.6	4.0
170°-180°	120.6	1.4
0°-30°	1468.5	16.7
0°-40°	2451.2	27.9
0°-60°	4057.4	46.2
0°-90°	4887.3	55.6
90°-120°	846.1	9.6
90°-150°	2887.9	32.9
90°-180°	3899.0	44.4
0°-180°	8785.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1731	1731	1731	1731	1731	
5°	1997	1730	1515	1730	1997	201
15°	2494	1657	1187	1657	2494	714
25°	3068	1516	1002	1516	3068	1401
35°	2463	1317	858	1317	2463	1507
45°	1161	1040	713	1040	1161	929
55°	716	733	582	733	716	645
65°	439	452	451	452	439	436
75°	216	219	278	219	216	233
85°	48	43	69	43	48	57
90°	23	1	23	1	23	12
95°	20	54	20	54	20	16
105°	280	277	280	277	280	253
115°	516	520	516	520	516	512
125°	739	739	739	739	739	657
135°	918	921	918	921	918	708
145°	1065	1068	1065	1068	1065	665
155°	1168	1176	1168	1176	1168	538
165°	1235	1241	1235	1241	1235	348
175°	1264	1270	1264	1270	1264	120
180°	1270	1270	1270	1270	1270	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1831.0	1828.6	1826.3	1821.6	1825.0	1815.1	1810.3	1802.1	1792.2	1788.7	1784.5
5°	1997.0	2000.6	2004.3	1989.0	1990.4	1980.1	1956.6	1937.5	1922.0	1902.2	1888.3
7.5°	2196.9	2188.2	2187.5	2177.5	2160.3	2146.5	2121.8	2090.3	2059.9	2025.2	1996.6
10°	2296.8	2297.5	2290.9	2279.2	2260.8	2247.6	2215.3	2184.3	2146.9	2102.8	2071.2
12.5°	2372.0	2375.1	2366.7	2350.9	2341.8	2312.2	2286.9	2250.2	2205.6	2170.4	2122.3
15°	2493.7	2485.6	2479.7	2459.8	2444.5	2413.6	2373.2	2335.0	2286.5	2241.6	2196.9
17.5°	2610.9	2617.4	2606.4	2588.3	2540.4	2504.4	2450.2	2397.8	2337.5	2277.4	2223.9
20°	2715.6	2721.5	2704.5	2673.0	2615.6	2579.6	2508.4	2440.8	2371.0	2293.9	2235.1
22.5°	2846.1	2841.4	2818.6	2770.5	2720.8	2654.3	2577.2	2494.8	2407.4	2320.3	2242.1
25°	3068.3	3037.3	3023.4	2963.9	2898.5	2800.8	2695.0	2574.5	2465.8	2350.4	2250.5
27.5°	3191.4	3181.6	3166.1	3124.7	3055.9	2951.4	2826.7	2679.8	2526.5	2380.9	2250.0
30°	3166.7	3168.2	3169.7	3156.4	3112.4	3033.7	2909.5	2751.6	2569.4	2405.6	2254.2
32.5°	2948.1	2974.8	3000.4	3030.7	3043.0	3027.8	2950.1	2807.5	2619.9	2433.7	2251.8
35°	2462.9	2470.9	2553.9	2636.2	2747.9	2834.6	2892.7	2829.4	2671.4	2457.7	2249.0
37.5°	1920.3	1960.0	2017.4	2110.4	2271.6	2415.9	2601.5	2686.9	2635.9	2465.5	2243.9
40°	1637.0	1673.8	1711.2	1806.0	1941.9	2116.8	2327.6	2507.6	2549.5	2440.8	2226.3
42.5°	1418.3	1447.5	1489.0	1560.3	1673.9	1828.7	2030.2	2265.5	2410.2	2369.1	2189.2
45°	1160.8	1179.2	1211.5	1268.2	1350.5	1471.7	1649.4	1906.7	2130.7	2204.9	2101.3
47.5°	993.6	993.5	1018.6	1057.7	1117.1	1220.1	1351.6	1553.1	1792.4	1969.5	1961.3
50°	900.8	897.1	916.9	950.7	997.8	1066.1	1191.8	1352.6	1582.6	1783.2	1839.0
52.5°	820.9	821.2	833.5	858.5	897.9	956.2	1050.1	1195.1	1391.6	1597.4	1702.7
55°	715.7	712.7	726.6	743.6	772.2	810.4	878.0	988.9	1148.4	1351.1	1487.8
57.5°	619.3	627.4	632.9	644.7	668.5	694.0	751.0	832.5	958.9	1132.9	1277.4
60°	562.8	570.9	575.3	587.0	606.1	628.2	672.3	738.4	845.0	994.9	1138.1
62.5°	512.3	518.6	520.0	530.7	546.2	567.7	602.4	657.9	742.1	873.2	1013.5
65°	439.4	439.4	442.3	453.4	460.7	479.8	506.2	546.7	614.3	716.3	836.1
67.5°	369.1	372.7	371.9	376.7	383.5	398.4	417.4	450.7	500.8	575.3	671.1
70°	323.3	326.2	325.5	329.1	336.5	346.1	361.5	393.0	429.0	493.0	575.3
72.5°	282.1	283.3	281.4	286.3	290.7	299.1	316.2	333.1	366.7	420.8	488.3
75°	216.0	217.4	219.0	221.9	226.3	230.7	239.5	256.5	278.4	318.9	362.2
77.5°	161.9	159.1	162.7	162.2	164.8	168.1	175.9	184.8	202.9	228.5	262.0
80°	122.0	122.7	122.7	123.5	127.1	129.3	135.9	142.5	156.5	175.6	199.2
82.5°	89.1	91.0	89.8	91.1	94.2	95.8	99.4	104.9	113.0	128.0	145.1
85°	48.4	44.9	46.3	47.8	47.8	48.4	51.5	53.6	58.1	63.9	70.5
87.5°	18.7	19.7	20.2	20.0	20.5	20.3	22.4	22.2	23.8	25.4	27.4
90°	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2	16.1	15.1	13.6
92.5°	21.1	20.8	20.5	20.2	19.9	19.2	18.2	17.2	16.1	15.1	13.8
95°	19.8	19.8	19.8	19.8	19.8	19.2	18.2	17.2	16.1	15.1	23.0
97.5°	19.8	19.8	19.8	19.8	19.8	22.7	28.7	34.5	40.4	46.3	62.0
100°	19.8	20.6	21.4	22.2	23.1	39.1	70.3	101.4	132.6	163.7	162.9
102.5°	118.4	132.6	146.8	161.1	175.3	185.3	191.2	197.1	203.0	209.0	208.4
105°	279.5	279.7	279.9	280.1	280.3	280.4	280.4	280.4	280.4	280.4	280.4
107.5°	352.3	353.0	353.6	354.2	354.9	355.2	355.2	355.1	355.1	355.0	354.6
110°	402.7	402.6	402.4	402.2	402.0	402.2	402.7	403.4	404.1	404.6	404.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	448.0	448.3	448.6	448.8	449.1	449.7	450.4	451.3	452.0	452.9	452.6
115°	515.8	517.0	518.2	519.5	520.8	521.8	522.6	523.5	524.3	525.1	524.9
117.5°	588.0	588.5	589.1	589.7	590.1	591.0	592.1	593.1	594.3	595.3	594.6
120°	632.4	633.5	634.5	635.6	636.6	637.3	637.7	638.2	638.6	639.0	638.4
122.5°	674.6	675.8	677.0	678.3	679.4	680.2	680.7	681.1	681.5	681.9	681.6
125°	738.8	739.4	740.0	740.6	741.3	742.0	742.8	743.7	744.5	745.4	745.4
127.5°	792.8	794.4	795.9	797.4	799.0	799.9	800.4	800.9	801.3	801.8	801.9
130°	831.9	833.0	834.1	835.1	836.1	837.0	837.5	838.2	838.9	839.4	839.2
132.5°	868.1	869.1	870.2	871.2	872.2	872.8	873.0	873.1	873.2	873.4	873.8
135°	917.6	918.8	920.1	921.3	922.6	923.4	923.9	924.3	924.6	925.1	925.5
137.5°	967.2	968.4	969.4	970.5	971.6	972.1	972.0	971.9	971.9	971.8	972.1
140°	996.6	997.9	999.1	1000.4	1001.6	1002.0	1001.6	1001.3	1000.8	1000.4	1000.6
142.5°	1024.4	1025.8	1027.0	1028.2	1029.5	1030.1	1030.0	1029.9	1029.8	1029.7	1029.4
145°	1065.4	1066.6	1067.8	1069.1	1070.4	1070.8	1070.6	1070.4	1070.3	1070.1	1070.1
147.5°	1099.0	1100.5	1102.0	1103.5	1105.0	1105.7	1105.4	1105.1	1104.9	1104.7	1104.4
150°	1120.9	1122.5	1124.2	1125.9	1127.6	1128.1	1127.8	1127.4	1126.9	1126.5	1126.1
152.5°	1141.1	1142.6	1144.2	1145.7	1147.2	1147.7	1147.4	1146.9	1146.5	1146.0	1145.7
155°	1167.9	1169.6	1171.2	1172.9	1174.6	1175.2	1174.5	1173.8	1173.3	1172.6	1172.1
157.5°	1190.3	1191.9	1193.6	1195.3	1197.0	1197.5	1196.8	1196.2	1195.5	1194.9	1194.8
160°	1204.6	1206.3	1208.0	1209.7	1211.3	1211.7	1210.9	1210.0	1209.2	1208.3	1208.2
162.5°	1217.4	1219.3	1221.1	1222.9	1224.7	1225.1	1223.9	1222.8	1221.6	1220.4	1220.2
165°	1234.7	1236.4	1238.0	1239.7	1241.4	1241.6	1240.4	1239.1	1237.8	1236.6	1236.4
167.5°	1246.8	1248.7	1250.6	1252.5	1254.3	1254.5	1253.0	1251.5	1250.0	1248.5	1248.2
170°	1253.6	1255.5	1257.4	1259.1	1261.0	1261.2	1259.5	1257.8	1256.1	1254.5	1254.2
172.5°	1258.1	1259.9	1261.8	1263.7	1265.6	1265.7	1264.2	1262.7	1261.2	1259.7	1259.3
175°	1263.9	1265.7	1267.6	1269.5	1271.4	1271.5	1269.9	1268.2	1266.5	1264.8	1264.6
177.5°	1267.2	1268.7	1270.0	1271.3	1272.6	1272.7	1271.6	1270.4	1269.2	1268.0	1267.9
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1781.0	1776.9	1772.2	1764.0	1754.0	1748.7	1740.4	1735.1	1724.6	1715.7	1706.4
5°	1871.3	1852.3	1834.7	1811.8	1786.9	1770.7	1751.6	1730.3	1708.3	1685.5	1660.5
7.5°	1965.0	1931.2	1894.4	1854.9	1816.3	1780.7	1746.7	1713.4	1682.2	1644.6	1612.8
10°	2027.9	1985.3	1939.7	1886.0	1833.9	1788.4	1742.0	1701.7	1660.5	1616.4	1577.4
12.5°	2090.7	2034.0	1969.6	1910.7	1848.0	1793.0	1738.5	1687.0	1635.2	1586.4	1541.1
15°	2135.1	2085.2	2025.6	1941.9	1871.3	1795.7	1723.7	1656.8	1594.4	1540.0	1482.7
17.5°	2164.4	2100.0	2036.1	1955.7	1863.3	1778.7	1697.0	1620.5	1550.1	1481.2	1426.0
20°	2169.6	2103.6	2036.6	1958.0	1863.3	1766.3	1684.7	1592.9	1517.2	1446.0	1378.4
22.5°	2167.9	2092.9	2020.2	1939.3	1846.8	1757.5	1658.9	1565.3	1483.1	1413.1	1342.5
25°	2151.3	2071.2	1980.1	1898.6	1807.4	1712.7	1612.8	1515.8	1432.0	1351.9	1282.1
27.5°	2137.5	2033.6	1930.4	1835.3	1747.4	1660.5	1564.8	1465.5	1372.6	1291.5	1225.7
30°	2120.4	2006.6	1890.5	1791.3	1700.9	1616.4	1526.1	1429.1	1332.1	1252.7	1182.2
32.5°	2105.2	1972.5	1849.9	1741.9	1646.2	1564.1	1480.7	1388.5	1293.3	1212.8	1142.2
35°	2075.7	1922.0	1781.7	1659.7	1557.6	1473.1	1403.4	1317.4	1229.9	1152.1	1084.5
37.5°	2038.2	1856.0	1705.3	1577.4	1465.5	1376.5	1311.5	1245.5	1161.6	1086.6	1025.4
40°	2008.7	1808.9	1649.4	1518.7	1402.6	1310.0	1249.8	1187.3	1117.6	1047.7	983.1
42.5°	1971.7	1766.6	1593.1	1452.3	1337.4	1247.2	1183.9	1130.9	1069.3	1004.3	944.2
45°	1903.7	1689.9	1501.8	1350.5	1234.4	1145.5	1080.1	1040.4	994.1	932.4	881.7
47.5°	1803.6	1597.7	1403.2	1247.0	1127.2	1044.8	983.5	945.5	912.9	867.0	821.0
50°	1714.9	1529.0	1332.1	1177.0	1057.2	974.2	917.7	883.2	855.3	819.9	781.0
52.5°	1615.5	1442.6	1262.2	1108.9	990.2	908.4	853.0	822.7	799.4	774.1	735.7
55°	1457.7	1310.8	1143.2	997.8	888.3	808.2	759.7	733.3	714.2	695.0	671.6
57.5°	1283.8	1168.9	1020.6	887.6	786.7	713.9	668.6	642.9	628.0	618.2	604.4
60°	1161.6	1063.2	935.3	814.1	715.7	651.0	606.9	587.0	574.6	566.5	556.2
62.5°	1048.2	967.3	848.9	738.3	652.1	591.0	551.7	532.3	520.5	516.5	508.0
65°	880.9	818.5	720.8	629.0	555.4	503.3	470.2	451.9	444.5	440.1	440.8
67.5°	716.2	678.2	599.6	521.3	462.7	419.0	392.5	378.4	374.8	368.8	368.7
70°	615.7	587.0	520.9	452.6	400.4	366.6	343.1	328.4	324.7	321.8	321.1
72.5°	527.0	501.8	444.5	389.7	342.8	313.1	293.8	284.9	278.9	277.1	277.0
75°	396.1	382.1	336.5	293.1	260.8	240.3	227.1	219.0	214.5	213.8	214.5
77.5°	281.5	269.4	240.4	209.7	189.3	173.7	162.5	159.8	154.8	154.9	154.1
80°	211.6	203.5	185.1	160.9	144.0	130.8	124.9	119.8	118.3	116.1	118.3
82.5°	153.4	144.8	132.2	116.8	102.8	94.9	89.1	87.5	86.5	85.5	86.0
85°	75.7	76.4	69.1	57.3	51.5	47.0	43.4	43.4	42.6	41.8	42.6
87.5°	28.3	26.9	24.2	22.1	18.9	16.7	15.8	16.0	14.6	14.4	15.3
90°	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9	2.6	4.2	5.9
92.5°	12.4	11.1	9.9	9.8	10.9	12.2	13.3	14.5	13.3	12.2	10.9
95°	30.9	38.9	46.8	51.2	51.7	52.4	53.0	53.6	53.0	52.4	51.7
97.5°	77.8	93.5	109.2	116.5	115.4	114.2	113.1	112.0	113.1	114.2	115.4
100°	162.1	161.3	160.4	159.7	159.0	158.4	157.8	157.1	157.8	158.4	159.0
102.5°	207.9	207.5	206.9	206.2	205.5	204.7	203.9	203.1	203.9	204.7	205.5
105°	280.4	280.4	280.4	280.0	279.2	278.3	277.5	276.6	277.5	278.3	279.2
107.5°	354.1	353.7	353.3	353.1	353.1	353.1	353.1	353.1	353.1	353.1	353.1
110°	403.9	403.4	403.0	402.7	402.7	402.7	402.7	402.7	402.7	402.7	402.7



TEST NUMBER: P333322-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	452.3	452.1	451.9	451.5	451.0	450.4	450.0	449.5	450.0	450.4	451.0
115°	524.7	524.5	524.3	523.7	522.6	521.6	520.6	519.5	520.6	521.6	522.6
117.5°	593.7	593.0	592.2	591.8	591.8	591.8	591.9	591.9	591.9	591.8	591.8
120°	637.7	637.2	636.5	636.3	636.5	636.7	636.9	637.2	636.9	636.7	636.5
122.5°	681.4	681.1	680.7	680.2	679.4	678.6	677.8	677.0	677.8	678.6	679.4
125°	745.4	745.4	745.4	744.6	743.2	741.7	740.2	738.8	740.2	741.7	743.2
127.5°	802.1	802.2	802.3	801.8	800.8	799.7	798.7	797.7	798.7	799.7	800.8
130°	839.1	838.9	838.6	838.0	837.0	835.9	834.9	833.8	834.9	835.9	837.0
132.5°	874.3	874.7	875.2	874.8	873.5	872.4	871.2	870.0	871.2	872.4	873.5
135°	926.0	926.3	926.8	926.3	925.1	923.9	922.6	921.3	922.6	923.9	925.1
137.5°	972.5	972.9	973.3	972.9	971.9	970.7	969.7	968.6	969.7	970.7	971.9
140°	1000.8	1001.0	1001.3	1001.1	1000.7	1000.3	999.8	999.5	999.8	1000.3	1000.7
142.5°	1029.2	1028.9	1028.6	1028.3	1028.0	1027.8	1027.6	1027.3	1027.6	1027.8	1028.0
145°	1070.1	1070.1	1070.1	1069.8	1069.4	1068.9	1068.6	1068.2	1068.6	1068.9	1069.4
147.5°	1104.2	1103.9	1103.6	1103.5	1103.6	1103.7	1103.8	1103.9	1103.8	1103.7	1103.6
150°	1125.7	1125.2	1124.8	1124.8	1125.2	1125.7	1126.1	1126.5	1126.1	1125.7	1125.2
152.5°	1145.2	1144.8	1144.4	1144.6	1145.6	1146.5	1147.5	1148.3	1147.5	1146.5	1145.6
155°	1171.8	1171.4	1170.9	1171.4	1172.6	1173.8	1175.2	1176.4	1175.2	1173.8	1172.6
157.5°	1194.8	1194.7	1194.7	1195.0	1195.8	1196.6	1197.2	1198.0	1197.2	1196.6	1195.8
160°	1208.0	1207.8	1207.5	1208.1	1209.3	1210.6	1211.8	1213.1	1211.8	1210.6	1209.3
162.5°	1220.0	1219.7	1219.6	1220.1	1221.3	1222.6	1223.9	1225.1	1223.9	1222.6	1221.3
165°	1236.1	1236.0	1235.8	1236.3	1237.6	1238.8	1240.0	1241.3	1240.0	1238.8	1237.6
167.5°	1248.0	1247.8	1247.6	1248.2	1249.4	1250.8	1252.1	1253.4	1252.1	1250.8	1249.4
170°	1254.1	1253.9	1253.7	1254.2	1255.7	1257.2	1258.7	1260.1	1258.7	1257.2	1255.7
172.5°	1259.0	1258.6	1258.3	1258.8	1260.3	1261.7	1263.2	1264.6	1263.2	1261.7	1260.3
175°	1264.4	1264.2	1264.0	1264.5	1265.7	1267.1	1268.3	1269.5	1268.3	1267.1	1265.7
177.5°	1267.7	1267.5	1267.3	1267.8	1268.8	1269.8	1270.8	1271.8	1270.8	1269.8	1268.8
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



TEST NUMBER: P333322-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1701.0	1694.6	1689.3	1677.5	1671.0	1662.3	1655.2	1662.8	1654.6	1658.1	1652.8
5°	1648.0	1627.4	1612.8	1591.4	1573.1	1556.1	1543.7	1541.4	1535.6	1532.7	1523.8
7.5°	1584.2	1558.5	1533.2	1505.3	1481.8	1457.8	1442.6	1429.9	1421.5	1410.5	1403.1
10°	1546.6	1512.1	1482.7	1448.9	1419.5	1393.8	1373.2	1362.9	1353.4	1339.4	1334.3
12.5°	1500.2	1464.4	1428.6	1392.5	1364.2	1335.6	1318.0	1302.4	1295.8	1280.1	1278.5
15°	1444.4	1390.8	1355.6	1318.8	1279.9	1256.4	1241.7	1224.8	1217.5	1206.5	1198.3
17.5°	1378.1	1330.1	1286.1	1248.0	1214.7	1194.9	1176.6	1165.0	1152.4	1145.2	1131.9
20°	1329.8	1284.3	1240.2	1199.9	1174.1	1151.3	1136.6	1125.6	1112.4	1108.7	1095.5
22.5°	1289.3	1239.1	1196.7	1162.8	1134.7	1109.0	1093.2	1085.6	1076.6	1065.3	1062.5
25°	1223.3	1171.2	1135.2	1101.4	1076.4	1052.9	1041.9	1032.3	1023.5	1015.4	1012.5
27.5°	1166.3	1119.7	1076.9	1046.4	1024.6	1003.2	993.5	981.9	975.4	968.9	961.0
30°	1126.3	1078.6	1041.1	1011.7	988.3	969.1	958.8	950.7	944.9	939.0	934.6
32.5°	1085.2	1040.9	1004.7	975.9	952.3	937.9	928.9	923.1	916.6	909.6	904.0
35°	1030.9	982.3	947.1	922.1	903.7	892.7	882.4	877.2	870.0	870.0	864.0
37.5°	969.6	927.7	896.5	873.7	857.2	847.4	836.3	832.7	828.0	824.9	822.9
40°	933.1	894.2	864.8	842.0	824.3	816.2	807.5	801.6	798.6	794.9	793.5
42.5°	895.5	858.3	830.1	809.1	793.8	786.9	778.6	774.6	768.6	763.8	763.0
45°	838.3	802.3	776.7	759.7	746.5	738.4	733.3	724.4	721.5	715.7	714.9
47.5°	784.1	749.6	724.3	710.5	698.9	692.3	684.2	675.3	672.0	669.0	668.7
50°	743.6	712.0	688.4	675.2	664.2	654.7	646.6	640.6	638.5	638.5	640.0
52.5°	702.4	675.5	655.5	639.3	629.0	618.8	611.3	607.8	604.4	607.9	610.6
55°	642.2	615.0	600.3	584.8	574.6	562.8	559.1	557.7	555.4	561.4	564.3
57.5°	578.3	559.3	542.1	526.8	517.6	510.8	505.8	504.9	509.1	511.8	521.3
60°	537.8	515.8	500.4	488.6	477.6	473.2	471.7	470.2	473.2	481.3	493.7
62.5°	493.1	475.2	458.6	449.8	441.7	434.4	434.0	435.0	440.8	450.1	462.6
65°	427.6	412.2	401.1	390.9	384.3	379.8	381.4	384.3	390.9	403.4	417.4
67.5°	361.1	350.4	340.6	332.2	325.9	325.9	327.4	331.8	339.6	354.0	366.7
70°	318.1	306.4	298.3	294.6	289.5	286.5	291.0	298.3	304.9	318.1	329.1
72.5°	275.2	265.2	258.9	256.5	254.2	251.8	253.4	261.3	270.2	283.4	296.2
75°	211.6	207.9	203.5	200.6	198.4	199.8	201.3	208.7	216.0	230.0	244.7
77.5°	154.5	150.6	148.0	147.2	146.1	146.8	150.9	156.4	163.5	173.7	184.8
80°	116.8	115.4	113.9	113.1	113.1	113.9	119.8	123.5	130.1	139.6	148.5
82.5°	85.1	84.2	83.9	83.8	84.4	84.5	88.0	92.8	98.3	105.5	113.1
85°	44.9	43.4	45.5	46.3	44.9	47.0	48.4	51.5	53.6	57.3	61.0
87.5°	16.2	17.7	17.4	18.3	18.6	20.1	19.7	22.2	23.7	25.0	24.6
90°	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2	18.2	19.2	20.1
92.5°	9.8	9.9	11.1	12.4	13.8	15.1	16.1	17.2	18.2	19.2	19.9
95°	51.2	46.8	38.9	30.9	23.0	15.1	16.1	17.2	18.2	19.2	19.8
97.5°	116.5	109.2	93.5	77.8	62.0	46.3	40.4	34.5	28.7	22.7	19.8
100°	159.7	160.4	161.3	162.1	162.9	163.7	132.6	101.4	70.3	39.1	23.1
102.5°	206.2	206.9	207.5	207.9	208.4	209.0	203.0	197.1	191.2	185.3	175.3
105°	280.0	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.3
107.5°	353.1	353.3	353.7	354.1	354.6	355.0	355.1	355.1	355.2	355.2	354.9
110°	402.7	403.0	403.4	403.9	404.3	404.6	404.1	403.4	402.7	402.2	402.0



TEST NUMBER: P333322-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	451.5	451.9	452.1	452.3	452.6	452.9	452.0	451.3	450.4	449.7	449.1
115°	523.7	524.3	524.5	524.7	524.9	525.1	524.3	523.5	522.6	521.8	520.8
117.5°	591.8	592.2	593.0	593.7	594.6	595.3	594.3	593.1	592.1	591.0	590.1
120°	636.3	636.5	637.2	637.7	638.4	639.0	638.6	638.2	637.7	637.3	636.6
122.5°	680.2	680.7	681.1	681.4	681.6	681.9	681.5	681.1	680.7	680.2	679.4
125°	744.6	745.4	745.4	745.4	745.4	745.4	744.5	743.7	742.8	742.0	741.3
127.5°	801.8	802.3	802.2	802.1	801.9	801.8	801.3	800.9	800.4	799.9	799.0
130°	838.0	838.6	838.9	839.1	839.2	839.4	838.9	838.2	837.5	837.0	836.1
132.5°	874.8	875.2	874.7	874.3	873.8	873.4	873.2	873.1	873.0	872.8	872.2
135°	926.3	926.8	926.3	926.0	925.5	925.1	924.6	924.3	923.9	923.4	922.6
137.5°	972.9	973.3	972.9	972.5	972.1	971.8	971.9	971.9	972.0	972.1	971.6
140°	1001.1	1001.3	1001.0	1000.8	1000.6	1000.4	1000.8	1001.3	1001.6	1002.0	1001.6
142.5°	1028.3	1028.6	1028.9	1029.2	1029.4	1029.7	1029.8	1029.9	1030.0	1030.1	1029.5
145°	1069.8	1070.1	1070.1	1070.1	1070.1	1070.1	1070.3	1070.4	1070.6	1070.8	1070.4
147.5°	1103.5	1103.6	1103.9	1104.2	1104.4	1104.7	1104.9	1105.1	1105.4	1105.7	1105.0
150°	1124.8	1124.8	1125.2	1125.7	1126.1	1126.5	1126.9	1127.4	1127.8	1128.1	1127.6
152.5°	1144.6	1144.4	1144.8	1145.2	1145.7	1146.0	1146.5	1146.9	1147.4	1147.7	1147.2
155°	1171.4	1170.9	1171.4	1171.8	1172.1	1172.6	1173.3	1173.8	1174.5	1175.2	1174.6
157.5°	1195.0	1194.7	1194.7	1194.8	1194.8	1194.9	1195.5	1196.2	1196.8	1197.5	1197.0
160°	1208.1	1207.5	1207.8	1208.0	1208.2	1208.3	1209.2	1210.0	1210.9	1211.7	1211.3
162.5°	1220.1	1219.6	1219.7	1220.0	1220.2	1220.4	1221.6	1222.8	1223.9	1225.1	1224.7
165°	1236.3	1235.8	1236.0	1236.1	1236.4	1236.6	1237.8	1239.1	1240.4	1241.6	1241.4
167.5°	1248.2	1247.6	1247.8	1248.0	1248.2	1248.5	1250.0	1251.5	1253.0	1254.5	1254.3
170°	1254.2	1253.7	1253.9	1254.1	1254.2	1254.5	1256.1	1257.8	1259.5	1261.2	1261.0
172.5°	1258.8	1258.3	1258.6	1259.0	1259.3	1259.7	1261.2	1262.7	1264.2	1265.7	1265.6
175°	1264.5	1264.0	1264.2	1264.4	1264.6	1264.8	1266.5	1268.2	1269.9	1271.5	1271.4
177.5°	1267.8	1267.3	1267.5	1267.7	1267.9	1268.0	1269.2	1270.4	1271.6	1272.7	1272.6
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



TEST NUMBER: P333322-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1649.4	1653.4	1649.9	1654.6	1649.9	1653.4	1649.4	1652.8	1658.1	1654.6	1662.8
5°	1520.1	1513.5	1518.0	1515.0	1518.0	1513.5	1520.1	1523.8	1532.7	1535.6	1541.4
7.5°	1400.8	1394.5	1387.3	1383.9	1387.3	1394.5	1400.8	1403.1	1410.5	1421.5	1429.9
10°	1326.2	1318.1	1317.4	1312.2	1317.4	1318.1	1326.2	1334.3	1339.4	1353.4	1362.9
12.5°	1271.5	1264.0	1255.7	1253.5	1255.7	1264.0	1271.5	1278.5	1280.1	1295.8	1302.4
15°	1193.9	1188.1	1182.9	1187.3	1182.9	1188.1	1193.9	1198.3	1206.5	1217.5	1224.8
17.5°	1129.4	1124.5	1123.7	1118.2	1123.7	1124.5	1129.4	1131.9	1145.2	1152.4	1165.0
20°	1088.9	1085.2	1086.7	1077.1	1086.7	1085.2	1088.9	1095.5	1108.7	1112.4	1125.6
22.5°	1056.6	1049.3	1048.5	1046.6	1048.5	1049.3	1056.6	1062.5	1065.3	1076.6	1085.6
25°	1005.9	1002.2	998.5	1002.2	998.5	1002.2	1005.9	1012.5	1015.4	1023.5	1032.3
27.5°	961.6	957.2	956.2	956.6	956.2	957.2	961.6	961.0	968.9	975.4	981.9
30°	934.6	927.3	927.9	927.3	927.9	927.3	934.6	934.6	939.0	944.9	950.7
32.5°	905.2	900.2	899.2	897.9	899.2	900.2	905.2	904.0	909.6	916.6	923.1
35°	861.9	861.9	858.2	858.2	858.2	861.9	861.9	864.0	870.0	870.0	877.2
37.5°	821.1	820.4	818.2	818.5	818.2	820.4	821.1	822.9	824.9	828.0	832.7
40°	790.6	789.9	787.6	783.3	787.6	789.9	790.6	793.5	794.9	798.6	801.6
42.5°	761.2	758.7	757.6	756.2	757.6	758.7	761.2	763.0	763.8	768.6	774.6
45°	714.9	714.9	713.4	712.7	713.4	714.9	714.9	714.9	715.7	721.5	724.4
47.5°	670.0	671.3	674.0	673.6	674.0	671.3	670.0	668.7	669.0	672.0	675.3
50°	642.9	643.7	645.8	646.6	645.8	643.7	642.9	640.0	638.5	638.5	640.6
52.5°	612.9	617.2	620.0	619.5	620.0	617.2	612.9	610.6	607.9	604.4	607.8
55°	570.9	576.0	581.2	581.9	581.2	576.0	570.9	564.3	561.4	555.4	557.7
57.5°	529.3	536.5	542.0	543.7	542.0	536.5	529.3	521.3	511.8	509.1	504.9
60°	501.1	510.7	517.3	520.2	517.3	510.7	501.1	493.7	481.3	473.2	470.2
62.5°	474.0	484.7	491.3	492.0	491.3	484.7	474.0	462.6	450.1	440.8	435.0
65°	429.8	440.8	446.7	451.1	446.7	440.8	429.8	417.4	403.4	390.9	384.3
67.5°	382.2	393.2	399.7	403.2	399.7	393.2	382.2	366.7	354.0	339.6	331.8
70°	347.5	358.5	367.4	370.3	367.4	358.5	347.5	329.1	318.1	304.9	298.3
72.5°	313.4	323.3	330.4	333.8	330.4	323.3	313.4	296.2	283.4	270.2	261.3
75°	254.2	267.4	274.1	277.8	274.1	267.4	254.2	244.7	230.0	216.0	208.7
77.5°	196.0	208.1	212.1	214.0	212.1	208.1	196.0	184.8	173.7	163.5	156.4
80°	157.2	164.6	169.8	170.4	169.8	164.6	157.2	148.5	139.6	130.1	123.5
82.5°	120.8	127.0	128.6	130.4	128.6	127.0	120.8	113.1	105.5	98.3	92.8
85°	66.2	69.1	69.8	69.1	69.8	69.1	66.2	61.0	57.3	53.6	51.5
87.5°	25.9	25.4	25.5	26.9	25.5	25.4	25.9	24.6	25.0	23.7	22.2
90°	20.7	21.3	22.0	22.6	22.0	21.3	20.7	20.1	19.2	18.2	17.2
92.5°	20.2	20.5	20.8	21.1	20.8	20.5	20.2	19.9	19.2	18.2	17.2
95°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.2	18.2	17.2
97.5°	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	22.7	28.7	34.5
100°	22.2	21.4	20.6	19.8	20.6	21.4	22.2	23.1	39.1	70.3	101.4
102.5°	161.1	146.8	132.6	118.4	132.6	146.8	161.1	175.3	185.3	191.2	197.1
105°	280.1	279.9	279.7	279.5	279.7	279.9	280.1	280.3	280.4	280.4	280.4
107.5°	354.2	353.6	353.0	352.3	353.0	353.6	354.2	354.9	355.2	355.2	355.1
110°	402.2	402.4	402.6	402.7	402.6	402.4	402.2	402.0	402.2	402.7	403.4



TEST NUMBER: P333322-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	448.8	448.6	448.3	448.0	448.3	448.6	448.8	449.1	449.7	450.4	451.3
115°	519.5	518.2	517.0	515.8	517.0	518.2	519.5	520.8	521.8	522.6	523.5
117.5°	589.7	589.1	588.5	588.0	588.5	589.1	589.7	590.1	591.0	592.1	593.1
120°	635.6	634.5	633.5	632.4	633.5	634.5	635.6	636.6	637.3	637.7	638.2
122.5°	678.3	677.0	675.8	674.6	675.8	677.0	678.3	679.4	680.2	680.7	681.1
125°	740.6	740.0	739.4	738.8	739.4	740.0	740.6	741.3	742.0	742.8	743.7
127.5°	797.4	795.9	794.4	792.8	794.4	795.9	797.4	799.0	799.9	800.4	800.9
130°	835.1	834.1	833.0	831.9	833.0	834.1	835.1	836.1	837.0	837.5	838.2
132.5°	871.2	870.2	869.1	868.1	869.1	870.2	871.2	872.2	872.8	873.0	873.1
135°	921.3	920.1	918.8	917.6	918.8	920.1	921.3	922.6	923.4	923.9	924.3
137.5°	970.5	969.4	968.4	967.2	968.4	969.4	970.5	971.6	972.1	972.0	971.9
140°	1000.4	999.1	997.9	996.6	997.9	999.1	1000.4	1001.6	1002.0	1001.6	1001.3
142.5°	1028.2	1027.0	1025.8	1024.4	1025.8	1027.0	1028.2	1029.5	1030.1	1030.0	1029.9
145°	1069.1	1067.8	1066.6	1065.4	1066.6	1067.8	1069.1	1070.4	1070.8	1070.6	1070.4
147.5°	1103.5	1102.0	1100.5	1099.0	1100.5	1102.0	1103.5	1105.0	1105.7	1105.4	1105.1
150°	1125.9	1124.2	1122.5	1120.9	1122.5	1124.2	1125.9	1127.6	1128.1	1127.8	1127.4
152.5°	1145.7	1144.2	1142.6	1141.1	1142.6	1144.2	1145.7	1147.2	1147.7	1147.4	1146.9
155°	1172.9	1171.2	1169.6	1167.9	1169.6	1171.2	1172.9	1174.6	1175.2	1174.5	1173.8
157.5°	1195.3	1193.6	1191.9	1190.3	1191.9	1193.6	1195.3	1197.0	1197.5	1196.8	1196.2
160°	1209.7	1208.0	1206.3	1204.6	1206.3	1208.0	1209.7	1211.3	1211.7	1210.9	1210.0
162.5°	1222.9	1221.1	1219.3	1217.4	1219.3	1221.1	1222.9	1224.7	1225.1	1223.9	1222.8
165°	1239.7	1238.0	1236.4	1234.7	1236.4	1238.0	1239.7	1241.4	1241.6	1240.4	1239.1
167.5°	1252.5	1250.6	1248.7	1246.8	1248.7	1250.6	1252.5	1254.3	1254.5	1253.0	1251.5
170°	1259.1	1257.4	1255.5	1253.6	1255.5	1257.4	1259.1	1261.0	1261.2	1259.5	1257.8
172.5°	1263.7	1261.8	1259.9	1258.1	1259.9	1261.8	1263.7	1265.6	1265.7	1264.2	1262.7
175°	1269.5	1267.6	1265.7	1263.9	1265.7	1267.6	1269.5	1271.4	1271.5	1269.9	1268.2
177.5°	1271.3	1270.0	1268.7	1267.2	1268.7	1270.0	1271.3	1272.6	1272.7	1271.6	1270.4
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



TEST NUMBER: P333322-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1655.2	1662.3	1671.0	1677.5	1689.3	1694.6	1701.0	1706.4	1715.7	1724.6	1735.1
5°	1543.7	1556.1	1573.1	1591.4	1612.8	1627.4	1648.0	1660.5	1685.5	1708.3	1730.3
7.5°	1442.6	1457.8	1481.8	1505.3	1533.2	1558.5	1584.2	1612.8	1644.6	1682.2	1713.4
10°	1373.2	1393.8	1419.5	1448.9	1482.7	1512.1	1546.6	1577.4	1616.4	1660.5	1701.7
12.5°	1318.0	1335.6	1364.2	1392.5	1428.6	1464.4	1500.2	1541.1	1586.4	1635.2	1687.0
15°	1241.7	1256.4	1279.9	1318.8	1355.6	1390.8	1444.4	1482.7	1540.0	1594.4	1656.8
17.5°	1176.6	1194.9	1214.7	1248.0	1286.1	1330.1	1378.1	1426.0	1481.2	1550.1	1620.5
20°	1136.6	1151.3	1174.1	1199.9	1240.2	1284.3	1329.8	1378.4	1446.0	1517.2	1592.9
22.5°	1093.2	1109.0	1134.7	1162.8	1196.7	1239.1	1289.3	1342.5	1413.1	1483.1	1565.3
25°	1041.9	1052.9	1076.4	1101.4	1135.2	1171.2	1223.3	1282.1	1351.9	1432.0	1515.8
27.5°	993.5	1003.2	1024.6	1046.4	1076.9	1119.7	1166.3	1225.7	1291.5	1372.6	1465.5
30°	958.8	969.1	988.3	1011.7	1041.1	1078.6	1126.3	1182.2	1252.7	1332.1	1429.1
32.5°	928.9	937.9	952.3	975.9	1004.7	1040.9	1085.2	1142.2	1212.8	1293.3	1388.5
35°	882.4	892.7	903.7	922.1	947.1	982.3	1030.9	1084.5	1152.1	1229.9	1317.4
37.5°	836.3	847.4	857.2	873.7	896.5	927.7	969.6	1025.4	1086.6	1161.6	1245.5
40°	807.5	816.2	824.3	842.0	864.8	894.2	933.1	983.1	1047.7	1117.6	1187.3
42.5°	778.6	786.9	793.8	809.1	830.1	858.3	895.5	944.2	1004.3	1069.3	1130.9
45°	733.3	738.4	746.5	759.7	776.7	802.3	838.3	881.7	932.4	994.1	1040.4
47.5°	684.2	692.3	698.9	710.5	724.3	749.6	784.1	821.0	867.0	912.9	945.5
50°	646.6	654.7	664.2	675.2	688.4	712.0	743.6	781.0	819.9	855.3	883.2
52.5°	611.3	618.8	629.0	639.3	655.5	675.5	702.4	735.7	774.1	799.4	822.7
55°	559.1	562.8	574.6	584.8	600.3	615.0	642.2	671.6	695.0	714.2	733.3
57.5°	505.8	510.8	517.6	526.8	542.1	559.3	578.3	604.4	618.2	628.0	642.9
60°	471.7	473.2	477.6	488.6	500.4	515.8	537.8	556.2	566.5	574.6	587.0
62.5°	434.0	434.4	441.7	449.8	458.6	475.2	493.1	508.0	516.5	520.5	532.3
65°	381.4	379.8	384.3	390.9	401.1	412.2	427.6	440.8	440.1	444.5	451.9
67.5°	327.4	325.9	325.9	332.2	340.6	350.4	361.1	368.7	368.8	374.8	378.4
70°	291.0	286.5	289.5	294.6	298.3	306.4	318.1	321.1	321.8	324.7	328.4
72.5°	253.4	251.8	254.2	256.5	258.9	265.2	275.2	277.0	277.1	278.9	284.9
75°	201.3	199.8	198.4	200.6	203.5	207.9	211.6	214.5	213.8	214.5	219.0
77.5°	150.9	146.8	146.1	147.2	148.0	150.6	154.5	154.1	154.9	154.8	159.8
80°	119.8	113.9	113.1	113.1	113.9	115.4	116.8	118.3	116.1	118.3	119.8
82.5°	88.0	84.5	84.4	83.8	83.9	84.2	85.1	86.0	85.5	86.5	87.5
85°	48.4	47.0	44.9	46.3	45.5	43.4	44.9	42.6	41.8	42.6	43.4
87.5°	19.7	20.1	18.6	18.3	17.4	17.7	16.2	15.3	14.4	14.6	16.0
90°	16.1	15.1	13.6	12.2	10.7	9.2	7.6	5.9	4.2	2.6	0.9
92.5°	16.1	15.1	13.8	12.4	11.1	9.9	9.8	10.9	12.2	13.3	14.5
95°	16.1	15.1	23.0	30.9	38.9	46.8	51.2	51.7	52.4	53.0	53.6
97.5°	40.4	46.3	62.0	77.8	93.5	109.2	116.5	115.4	114.2	113.1	112.0
100°	132.6	163.7	162.9	162.1	161.3	160.4	159.7	159.0	158.4	157.8	157.1
102.5°	203.0	209.0	208.4	207.9	207.5	206.9	206.2	205.5	204.7	203.9	203.1
105°	280.4	280.4	280.4	280.4	280.4	280.4	280.0	279.2	278.3	277.5	276.6
107.5°	355.1	355.0	354.6	354.1	353.7	353.3	353.1	353.1	353.1	353.1	353.1
110°	404.1	404.6	404.3	403.9	403.4	403.0	402.7	402.7	402.7	402.7	402.7



TEST NUMBER: P333322-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	452.0	452.9	452.6	452.3	452.1	451.9	451.5	451.0	450.4	450.0	449.5
115°	524.3	525.1	524.9	524.7	524.5	524.3	523.7	522.6	521.6	520.6	519.5
117.5°	594.3	595.3	594.6	593.7	593.0	592.2	591.8	591.8	591.8	591.9	591.9
120°	638.6	639.0	638.4	637.7	637.2	636.5	636.3	636.5	636.7	636.9	637.2
122.5°	681.5	681.9	681.6	681.4	681.1	680.7	680.2	679.4	678.6	677.8	677.0
125°	744.5	745.4	745.4	745.4	745.4	745.4	744.6	743.2	741.7	740.2	738.8
127.5°	801.3	801.8	801.9	802.1	802.2	802.3	801.8	800.8	799.7	798.7	797.7
130°	838.9	839.4	839.2	839.1	838.9	838.6	838.0	837.0	835.9	834.9	833.8
132.5°	873.2	873.4	873.8	874.3	874.7	875.2	874.8	873.5	872.4	871.2	870.0
135°	924.6	925.1	925.5	926.0	926.3	926.8	926.3	925.1	923.9	922.6	921.3
137.5°	971.9	971.8	972.1	972.5	972.9	973.3	972.9	971.9	970.7	969.7	968.6
140°	1000.8	1000.4	1000.6	1000.8	1001.0	1001.3	1001.1	1000.7	1000.3	999.8	999.5
142.5°	1029.8	1029.7	1029.4	1029.2	1028.9	1028.6	1028.3	1028.0	1027.8	1027.6	1027.3
145°	1070.3	1070.1	1070.1	1070.1	1070.1	1070.1	1069.8	1069.4	1068.9	1068.6	1068.2
147.5°	1104.9	1104.7	1104.4	1104.2	1103.9	1103.6	1103.5	1103.6	1103.7	1103.8	1103.9
150°	1126.9	1126.5	1126.1	1125.7	1125.2	1124.8	1124.8	1125.2	1125.7	1126.1	1126.5
152.5°	1146.5	1146.0	1145.7	1145.2	1144.8	1144.4	1144.6	1145.6	1146.5	1147.5	1148.3
155°	1173.3	1172.6	1172.1	1171.8	1171.4	1170.9	1171.4	1172.6	1173.8	1175.2	1176.4
157.5°	1195.5	1194.9	1194.8	1194.8	1194.7	1194.7	1195.0	1195.8	1196.6	1197.2	1198.0
160°	1209.2	1208.3	1208.2	1208.0	1207.8	1207.5	1208.1	1209.3	1210.6	1211.8	1213.1
162.5°	1221.6	1220.4	1220.2	1220.0	1219.7	1219.6	1220.1	1221.3	1222.6	1223.9	1225.1
165°	1237.8	1236.6	1236.4	1236.1	1236.0	1235.8	1236.3	1237.6	1238.8	1240.0	1241.3
167.5°	1250.0	1248.5	1248.2	1248.0	1247.8	1247.6	1248.2	1249.4	1250.8	1252.1	1253.4
170°	1256.1	1254.5	1254.2	1254.1	1253.9	1253.7	1254.2	1255.7	1257.2	1258.7	1260.1
172.5°	1261.2	1259.7	1259.3	1259.0	1258.6	1258.3	1258.8	1260.3	1261.7	1263.2	1264.6
175°	1266.5	1264.8	1264.6	1264.4	1264.2	1264.0	1264.5	1265.7	1267.1	1268.3	1269.5
177.5°	1269.2	1268.0	1267.9	1267.7	1267.5	1267.3	1267.8	1268.8	1269.8	1270.8	1271.8
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



TEST NUMBER: P333322-830

CATALOG NUMBER: S125DIP-S1270D1035U830-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1740.4	1748.7	1754.0	1764.0	1772.2	1776.9	1781.0	1784.5	1788.7	1792.2	1802.1
5°	1751.6	1770.7	1786.9	1811.8	1834.7	1852.3	1871.3	1888.3	1902.2	1922.0	1937.5
7.5°	1746.7	1780.7	1816.3	1854.9	1894.4	1931.2	1965.0	1996.6	2025.2	2059.9	2090.3
10°	1742.0	1788.4	1833.9	1886.0	1939.7	1985.3	2027.9	2071.2	2102.8	2146.9	2184.3
12.5°	1738.5	1793.0	1848.0	1910.7	1969.6	2034.0	2090.7	2122.3	2170.4	2205.6	2250.2
15°	1723.7	1795.7	1871.3	1941.9	2025.6	2085.2	2135.1	2196.9	2241.6	2286.5	2335.0
17.5°	1697.0	1778.7	1863.3	1955.7	2036.1	2100.0	2164.4	2223.9	2277.4	2337.5	2397.8
20°	1684.7	1766.3	1863.3	1958.0	2036.6	2103.6	2169.6	2235.1	2293.9	2371.0	2440.8
22.5°	1658.9	1757.5	1846.8	1939.3	2020.2	2092.9	2167.9	2242.1	2320.3	2407.4	2494.8
25°	1612.8	1712.7	1807.4	1898.6	1980.1	2071.2	2151.3	2250.5	2350.4	2465.8	2574.5
27.5°	1564.8	1660.5	1747.4	1835.3	1930.4	2033.6	2137.5	2250.0	2380.9	2526.5	2679.8
30°	1526.1	1616.4	1700.9	1791.3	1890.5	2006.6	2120.4	2254.2	2405.6	2569.4	2751.6
32.5°	1480.7	1564.1	1646.2	1741.9	1849.9	1972.5	2105.2	2251.8	2433.7	2619.9	2807.5
35°	1403.4	1473.1	1557.6	1659.7	1781.7	1922.0	2075.7	2249.0	2457.7	2671.4	2829.4
37.5°	1311.5	1376.5	1465.5	1577.4	1705.3	1856.0	2038.2	2243.9	2465.5	2635.9	2686.9
40°	1249.8	1310.0	1402.6	1518.7	1649.4	1808.9	2008.7	2226.3	2440.8	2549.5	2507.6
42.5°	1183.9	1247.2	1337.4	1452.3	1593.1	1766.6	1971.7	2189.2	2369.1	2410.2	2265.5
45°	1080.1	1145.5	1234.4	1350.5	1501.8	1689.9	1903.7	2101.3	2204.9	2130.7	1906.7
47.5°	983.5	1044.8	1127.2	1247.0	1403.2	1597.7	1803.6	1961.3	1969.5	1792.4	1553.1
50°	917.7	974.2	1057.2	1177.0	1332.1	1529.0	1714.9	1839.0	1783.2	1582.6	1352.6
52.5°	853.0	908.4	990.2	1108.9	1262.2	1442.6	1615.5	1702.7	1597.4	1391.6	1195.1
55°	759.7	808.2	888.3	997.8	1143.2	1310.8	1457.7	1487.8	1351.1	1148.4	988.9
57.5°	668.6	713.9	786.7	887.6	1020.6	1168.9	1283.8	1277.4	1132.9	958.9	832.5
60°	606.9	651.0	715.7	814.1	935.3	1063.2	1161.6	1138.1	994.9	845.0	738.4
62.5°	551.7	591.0	652.1	738.3	848.9	967.3	1048.2	1013.5	873.2	742.1	657.9
65°	470.2	503.3	555.4	629.0	720.8	818.5	880.9	836.1	716.3	614.3	546.7
67.5°	392.5	419.0	462.7	521.3	599.6	678.2	716.2	671.1	575.3	500.8	450.7
70°	343.1	366.6	400.4	452.6	520.9	587.0	615.7	575.3	493.0	429.0	393.0
72.5°	293.8	313.1	342.8	389.7	444.5	501.8	527.0	488.3	420.8	366.7	333.1
75°	227.1	240.3	260.8	293.1	336.5	382.1	396.1	362.2	318.9	278.4	256.5
77.5°	162.5	173.7	189.3	209.7	240.4	269.4	281.5	262.0	228.5	202.9	184.8
80°	124.9	130.8	144.0	160.9	185.1	203.5	211.6	199.2	175.6	156.5	142.5
82.5°	89.1	94.9	102.8	116.8	132.2	144.8	153.4	145.1	128.0	113.0	104.9
85°	43.4	47.0	51.5	57.3	69.1	76.4	75.7	70.5	63.9	58.1	53.6
87.5°	15.8	16.7	18.9	22.1	24.2	26.9	28.3	27.4	25.4	23.8	22.2
90°	2.6	4.2	5.9	7.6	9.2	10.7	12.2	13.6	15.1	16.1	17.2
92.5°	13.3	12.2	10.9	9.8	9.9	11.1	12.4	13.8	15.1	16.1	17.2
95°	53.0	52.4	51.7	51.2	46.8	38.9	30.9	23.0	15.1	16.1	17.2
97.5°	113.1	114.2	115.4	116.5	109.2	93.5	77.8	62.0	46.3	40.4	34.5
100°	157.8	158.4	159.0	159.7	160.4	161.3	162.1	162.9	163.7	132.6	101.4
102.5°	203.9	204.7	205.5	206.2	206.9	207.5	207.9	208.4	209.0	203.0	197.1
105°	277.5	278.3	279.2	280.0	280.4	280.4	280.4	280.4	280.4	280.4	280.4
107.5°	353.1	353.1	353.1	353.1	353.3	353.7	354.1	354.6	355.0	355.1	355.1
110°	402.7	402.7	402.7	402.7	403.0	403.4	403.9	404.3	404.6	404.1	403.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	450.0	450.4	451.0	451.5	451.9	452.1	452.3	452.6	452.9	452.0	451.3
115°	520.6	521.6	522.6	523.7	524.3	524.5	524.7	524.9	525.1	524.3	523.5
117.5°	591.9	591.8	591.8	591.8	592.2	593.0	593.7	594.6	595.3	594.3	593.1
120°	636.9	636.7	636.5	636.3	636.5	637.2	637.7	638.4	639.0	638.6	638.2
122.5°	677.8	678.6	679.4	680.2	680.7	681.1	681.4	681.6	681.9	681.5	681.1
125°	740.2	741.7	743.2	744.6	745.4	745.4	745.4	745.4	745.4	744.5	743.7
127.5°	798.7	799.7	800.8	801.8	802.3	802.2	802.1	801.9	801.8	801.3	800.9
130°	834.9	835.9	837.0	838.0	838.6	838.9	839.1	839.2	839.4	838.9	838.2
132.5°	871.2	872.4	873.5	874.8	875.2	874.7	874.3	873.8	873.4	873.2	873.1
135°	922.6	923.9	925.1	926.3	926.8	926.3	926.0	925.5	925.1	924.6	924.3
137.5°	969.7	970.7	971.9	972.9	973.3	972.9	972.5	972.1	971.8	971.9	971.9
140°	999.8	1000.3	1000.7	1001.1	1001.3	1001.0	1000.8	1000.6	1000.4	1000.8	1001.3
142.5°	1027.6	1027.8	1028.0	1028.3	1028.6	1028.9	1029.2	1029.4	1029.7	1029.8	1029.9
145°	1068.6	1068.9	1069.4	1069.8	1070.1	1070.1	1070.1	1070.1	1070.1	1070.3	1070.4
147.5°	1103.8	1103.7	1103.6	1103.5	1103.6	1103.9	1104.2	1104.4	1104.7	1104.9	1105.1
150°	1126.1	1125.7	1125.2	1124.8	1124.8	1125.2	1125.7	1126.1	1126.5	1126.9	1127.4
152.5°	1147.5	1146.5	1145.6	1144.6	1144.4	1144.8	1145.2	1145.7	1146.0	1146.5	1146.9
155°	1175.2	1173.8	1172.6	1171.4	1170.9	1171.4	1171.8	1172.1	1172.6	1173.3	1173.8
157.5°	1197.2	1196.6	1195.8	1195.0	1194.7	1194.7	1194.8	1194.8	1194.9	1195.5	1196.2
160°	1211.8	1210.6	1209.3	1208.1	1207.5	1207.8	1208.0	1208.2	1208.3	1209.2	1210.0
162.5°	1223.9	1222.6	1221.3	1220.1	1219.6	1219.7	1220.0	1220.2	1220.4	1221.6	1222.8
165°	1240.0	1238.8	1237.6	1236.3	1235.8	1236.0	1236.1	1236.4	1236.6	1237.8	1239.1
167.5°	1252.1	1250.8	1249.4	1248.2	1247.6	1247.8	1248.0	1248.2	1248.5	1250.0	1251.5
170°	1258.7	1257.2	1255.7	1254.2	1253.7	1253.9	1254.1	1254.2	1254.5	1256.1	1257.8
172.5°	1263.2	1261.7	1260.3	1258.8	1258.3	1258.6	1259.0	1259.3	1259.7	1261.2	1262.7
175°	1268.3	1267.1	1265.7	1264.5	1264.0	1264.2	1264.4	1264.6	1264.8	1266.5	1268.2
177.5°	1270.8	1269.8	1268.8	1267.8	1267.3	1267.5	1267.7	1267.9	1268.0	1269.2	1270.4
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1	1731.1
2.5°	1810.3	1815.1	1825.0	1821.6	1826.3	1828.6	1831.0
5°	1956.6	1980.1	1990.4	1989.0	2004.3	2000.6	1997.0
7.5°	2121.8	2146.5	2160.3	2177.5	2187.5	2188.2	2196.9
10°	2215.3	2247.6	2260.8	2279.2	2290.9	2297.5	2296.8
12.5°	2286.9	2312.2	2341.8	2350.9	2366.7	2375.1	2372.0
15°	2373.2	2413.6	2444.5	2459.8	2479.7	2485.6	2493.7
17.5°	2450.2	2504.4	2540.4	2588.3	2606.4	2617.4	2610.9
20°	2508.4	2579.6	2615.6	2673.0	2704.5	2721.5	2715.6
22.5°	2577.2	2654.3	2720.8	2770.5	2818.6	2841.4	2846.1
25°	2695.0	2800.8	2898.5	2963.9	3023.4	3037.3	3068.3
27.5°	2826.7	2951.4	3055.9	3124.7	3166.1	3181.6	3191.4
30°	2909.5	3033.7	3112.4	3156.4	3169.7	3168.2	3166.7
32.5°	2950.1	3027.8	3043.0	3030.7	3000.4	2974.8	2948.1
35°	2892.7	2834.6	2747.9	2636.2	2553.9	2470.9	2462.9
37.5°	2601.5	2415.9	2271.6	2110.4	2017.4	1960.0	1920.3
40°	2327.6	2116.8	1941.9	1806.0	1711.2	1673.8	1637.0
42.5°	2030.2	1828.7	1673.9	1560.3	1489.0	1447.5	1418.3
45°	1649.4	1471.7	1350.5	1268.2	1211.5	1179.2	1160.8
47.5°	1351.6	1220.1	1117.1	1057.7	1018.6	993.5	993.6
50°	1191.8	1066.1	997.8	950.7	916.9	897.1	900.8
52.5°	1050.1	956.2	897.9	858.5	833.5	821.2	820.9
55°	878.0	810.4	772.2	743.6	726.6	712.7	715.7
57.5°	751.0	694.0	668.5	644.7	632.9	627.4	619.3
60°	672.3	628.2	606.1	587.0	575.3	570.9	562.8
62.5°	602.4	567.7	546.2	530.7	520.0	518.6	512.3
65°	506.2	479.8	460.7	453.4	442.3	439.4	439.4
67.5°	417.4	398.4	383.5	376.7	371.9	372.7	369.1
70°	361.5	346.1	336.5	329.1	325.5	326.2	323.3
72.5°	316.2	299.1	290.7	286.3	281.4	283.3	282.1
75°	239.5	230.7	226.3	221.9	219.0	217.4	216.0
77.5°	175.9	168.1	164.8	162.2	162.7	159.1	161.9
80°	135.9	129.3	127.1	123.5	122.7	122.7	122.0
82.5°	99.4	95.8	94.2	91.1	89.8	91.0	89.1
85°	51.5	48.4	47.8	47.8	46.3	44.9	48.4
87.5°	22.4	20.3	20.5	20.0	20.2	19.7	18.7
90°	18.2	19.2	20.1	20.7	21.3	22.0	22.6
92.5°	18.2	19.2	19.9	20.2	20.5	20.8	21.1
95°	18.2	19.2	19.8	19.8	19.8	19.8	19.8
97.5°	28.7	22.7	19.8	19.8	19.8	19.8	19.8
100°	70.3	39.1	23.1	22.2	21.4	20.6	19.8
102.5°	191.2	185.3	175.3	161.1	146.8	132.6	118.4
105°	280.4	280.4	280.3	280.1	279.9	279.7	279.5
107.5°	355.2	355.2	354.9	354.2	353.6	353.0	352.3
110°	402.7	402.2	402.0	402.2	402.4	402.6	402.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	450.4	449.7	449.1	448.8	448.6	448.3	448.0
115°	522.6	521.8	520.8	519.5	518.2	517.0	515.8
117.5°	592.1	591.0	590.1	589.7	589.1	588.5	588.0
120°	637.7	637.3	636.6	635.6	634.5	633.5	632.4
122.5°	680.7	680.2	679.4	678.3	677.0	675.8	674.6
125°	742.8	742.0	741.3	740.6	740.0	739.4	738.8
127.5°	800.4	799.9	799.0	797.4	795.9	794.4	792.8
130°	837.5	837.0	836.1	835.1	834.1	833.0	831.9
132.5°	873.0	872.8	872.2	871.2	870.2	869.1	868.1
135°	923.9	923.4	922.6	921.3	920.1	918.8	917.6
137.5°	972.0	972.1	971.6	970.5	969.4	968.4	967.2
140°	1001.6	1002.0	1001.6	1000.4	999.1	997.9	996.6
142.5°	1030.0	1030.1	1029.5	1028.2	1027.0	1025.8	1024.4
145°	1070.6	1070.8	1070.4	1069.1	1067.8	1066.6	1065.4
147.5°	1105.4	1105.7	1105.0	1103.5	1102.0	1100.5	1099.0
150°	1127.8	1128.1	1127.6	1125.9	1124.2	1122.5	1120.9
152.5°	1147.4	1147.7	1147.2	1145.7	1144.2	1142.6	1141.1
155°	1174.5	1175.2	1174.6	1172.9	1171.2	1169.6	1167.9
157.5°	1196.8	1197.5	1197.0	1195.3	1193.6	1191.9	1190.3
160°	1210.9	1211.7	1211.3	1209.7	1208.0	1206.3	1204.6
162.5°	1223.9	1225.1	1224.7	1222.9	1221.1	1219.3	1217.4
165°	1240.4	1241.6	1241.4	1239.7	1238.0	1236.4	1234.7
167.5°	1253.0	1254.5	1254.3	1252.5	1250.6	1248.7	1246.8
170°	1259.5	1261.2	1261.0	1259.1	1257.4	1255.5	1253.6
172.5°	1264.2	1265.7	1265.6	1263.7	1261.8	1259.9	1258.1
175°	1269.9	1271.5	1271.4	1269.5	1267.6	1265.7	1263.9
177.5°	1271.6	1272.7	1272.6	1271.3	1270.0	1268.7	1267.2
180°	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5	1269.5

(END OF REPORT)