

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

Luminaire Tested: **S125DIP-S1270D1035U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333322
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-S1270D1035U835-4F0-1E-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: 9321.4 lumens
Efficiency: N/A
Efficacy: 139.5 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

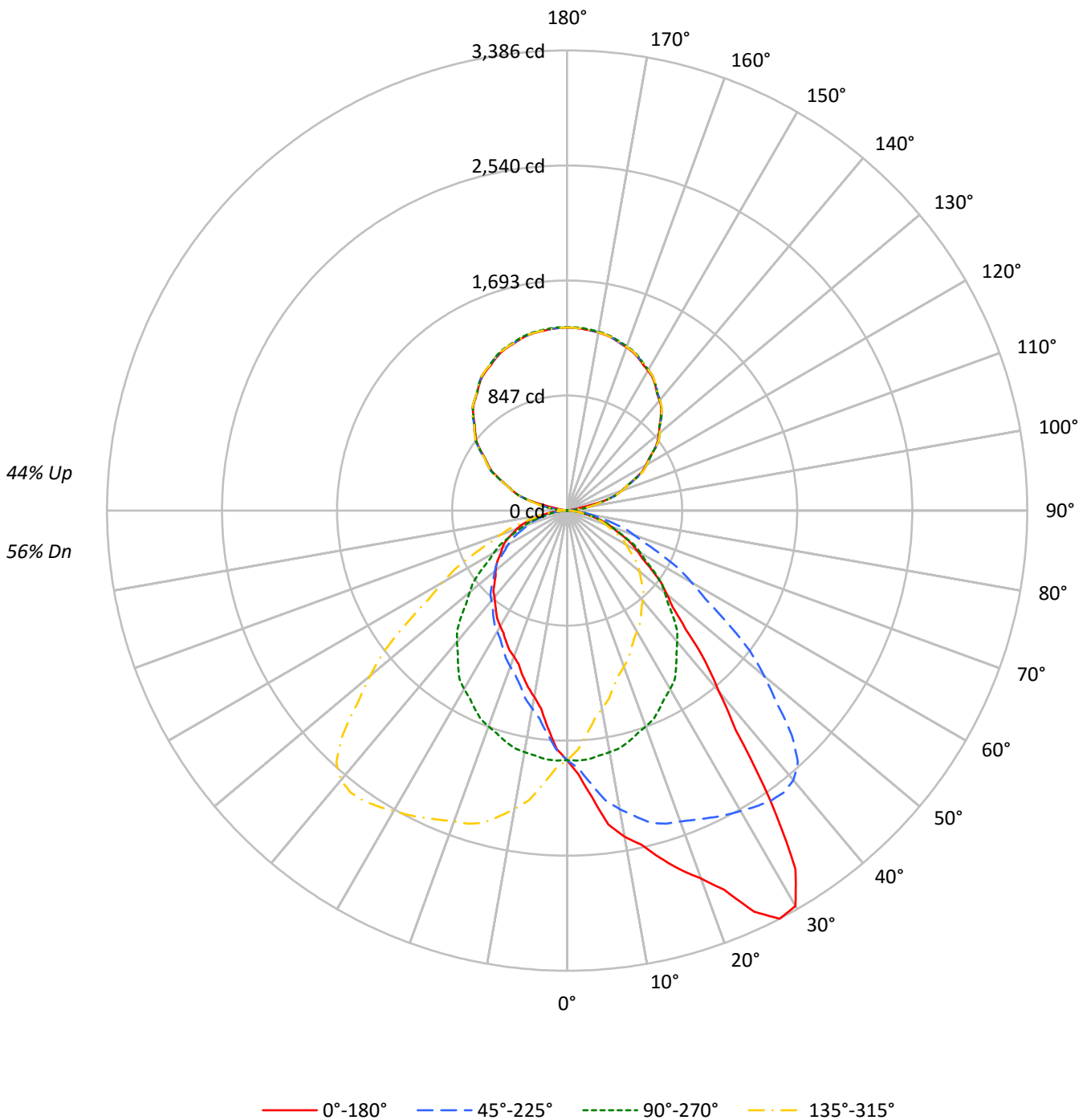
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	11861	11861	11861	11861
5°	13736	11902	10421	11902
10°	15980	11840	9130	11840
15°	17690	11753	8423	11753
20°	19801	11615	7854	11615
25°	23197	11460	7577	11460
30°	25055	11307	7337	11307
35°	20601	11020	7179	11020
40°	14643	10620	7006	10620
45°	11249	10082	6906	10082
50°	9602	9414	6893	9414
55°	8550	8760	6952	8760
60°	7713	8045	7129	8045
65°	7124	7326	7314	7326
70°	6477	6579	7419	6579
75°	5719	5797	7354	5797
80°	4813	4727	6724	4727
85°	3809	3409	5432	3409



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	1.9
10°-20°	526.4	5.6
20°-30°	854.8	9.2
30°-40°	1042.7	11.2
40°-50°	948.5	10.2
50°-60°	755.5	8.1
60°-70°	526.2	5.6
70°-80°	280.6	3.0
80°-90°	73.6	0.8
90°-100°	49.0	0.5
100°-110°	301.7	3.2
110°-120°	547.1	5.9
120°-130°	702.2	7.5
130°-140°	755.2	8.1
140°-150°	708.9	7.6
150°-160°	573.4	6.2
160°-170°	370.9	4.0
170°-180°	127.9	1.4
0°-30°	1558.0	16.7
0°-40°	2600.7	27.9
0°-60°	4304.7	46.2
0°-90°	5185.2	55.6
90°-120°	897.7	9.6
90°-150°	3064.0	32.9
90°-180°	4136.0	44.4
0°-180°	9321.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1837	1837	1837	1837	1837	
5°	2119	1836	1607	1836	2119	214
15°	2646	1758	1260	1758	2646	757
25°	3255	1608	1063	1608	3255	1487
35°	2613	1398	910	1398	2613	1599
45°	1232	1104	756	1104	1232	986
55°	759	778	617	778	759	684
65°	466	479	479	479	466	463
75°	229	232	295	232	229	247
85°	51	46	73	46	51	60
90°	24	1	24	1	24	12
95°	21	57	21	57	21	17
105°	296	294	296	294	296	268
115°	547	551	547	551	547	543
125°	784	784	784	784	784	697
135°	974	978	974	978	974	751
145°	1130	1133	1130	1133	1130	706
155°	1239	1248	1239	1248	1239	571
165°	1310	1317	1310	1317	1310	370
175°	1341	1347	1341	1347	1341	128
180°	1347	1347	1347	1347	1347	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1942.6	1940.1	1937.6	1932.6	1936.3	1925.7	1920.7	1912.0	1901.4	1897.7	1893.3
5°	2118.7	2122.6	2126.5	2110.2	2111.7	2100.8	2075.9	2055.6	2039.2	2018.2	2003.4
7.5°	2330.8	2321.6	2320.8	2310.2	2292.0	2277.3	2251.1	2217.7	2185.5	2148.7	2118.3
10°	2436.8	2437.6	2430.6	2418.1	2398.6	2384.6	2350.3	2317.5	2277.8	2231.0	2197.5
12.5°	2516.6	2519.9	2511.0	2494.2	2484.6	2453.2	2426.3	2387.4	2340.1	2302.7	2251.7
15°	2645.7	2637.1	2630.9	2609.8	2593.5	2560.7	2517.9	2477.3	2425.9	2378.3	2330.8
17.5°	2770.1	2777.0	2765.3	2746.1	2695.3	2657.1	2599.6	2544.0	2480.0	2416.2	2359.5
20°	2881.1	2887.4	2869.4	2835.9	2775.1	2736.9	2661.3	2589.6	2515.5	2433.7	2371.3
22.5°	3019.6	3014.6	2990.4	2939.4	2886.7	2816.1	2734.3	2646.9	2554.2	2461.7	2378.8
25°	3255.3	3222.5	3207.7	3144.6	3075.2	2971.5	2859.3	2731.4	2616.1	2493.7	2387.7
27.5°	3385.9	3375.6	3359.1	3315.2	3242.2	3131.3	2999.0	2843.2	2680.5	2526.0	2387.2
30°	3359.7	3361.3	3362.9	3348.8	3302.1	3218.6	3086.9	2919.3	2726.0	2552.2	2391.6
32.5°	3127.8	3156.1	3183.3	3215.4	3228.5	3212.4	3129.9	2978.6	2779.6	2582.1	2389.1
35°	2613.0	2621.5	2709.6	2796.9	2915.4	3007.4	3069.0	3001.9	2834.3	2607.5	2386.1
37.5°	2037.4	2079.5	2140.4	2239.1	2410.1	2563.2	2760.1	2850.7	2796.6	2615.8	2380.7
40°	1736.8	1775.8	1815.5	1916.1	2060.3	2245.8	2469.5	2660.5	2704.9	2589.6	2362.0
42.5°	1504.8	1535.7	1579.8	1655.4	1775.9	1940.2	2154.0	2403.6	2557.1	2513.5	2322.7
45°	1231.6	1251.1	1285.4	1345.5	1432.8	1561.4	1750.0	2022.9	2260.6	2339.3	2229.4
47.5°	1054.2	1054.1	1080.7	1122.2	1185.2	1294.5	1434.0	1647.8	1901.7	2089.6	2080.9
50°	955.7	951.8	972.8	1008.7	1058.6	1131.1	1264.4	1435.1	1679.1	1891.9	1951.1
52.5°	870.9	871.3	884.3	910.8	952.6	1014.5	1114.1	1268.0	1476.4	1694.8	1806.5
55°	759.3	756.1	770.9	788.9	819.3	859.8	931.5	1049.2	1218.4	1433.5	1578.5
57.5°	657.0	665.6	671.5	684.0	709.2	736.3	796.8	883.2	1017.4	1202.0	1355.3
60°	597.1	605.7	610.4	622.8	643.1	666.5	713.3	783.4	896.5	1055.5	1207.5
62.5°	543.5	550.2	551.7	563.0	579.5	602.3	639.1	698.0	787.3	926.4	1075.3
65°	466.2	466.2	469.3	481.0	488.8	509.0	537.1	580.0	651.7	760.0	887.1
67.5°	391.6	395.4	394.6	399.7	406.9	422.7	442.8	478.2	531.3	610.4	712.0
70°	343.0	346.1	345.3	349.2	357.0	367.2	383.5	417.0	455.2	523.1	610.4
72.5°	299.3	300.6	298.6	303.7	308.4	317.3	335.5	353.4	389.1	446.4	518.1
75°	229.2	230.7	232.3	235.4	240.1	244.8	254.1	272.1	295.4	338.3	384.3
77.5°	171.8	168.8	172.6	172.1	174.8	178.4	186.6	196.1	215.3	242.4	278.0
80°	129.4	130.2	130.2	131.0	134.9	137.2	144.2	151.2	166.0	186.3	211.3
82.5°	94.5	96.5	95.3	96.7	99.9	101.6	105.5	111.3	119.9	135.8	153.9
85°	51.4	47.6	49.1	50.7	50.7	51.4	54.6	56.9	61.6	67.8	74.8
87.5°	19.8	20.9	21.4	21.2	21.7	21.5	23.8	23.6	25.2	26.9	29.1
90°	24.0	23.3	22.6	22.0	21.3	20.4	19.3	18.2	17.1	16.0	14.4
92.5°	22.4	22.1	21.7	21.4	21.1	20.4	19.3	18.2	17.1	16.0	14.6
95°	21.0	21.0	21.0	21.0	21.0	20.4	19.3	18.2	17.1	16.0	24.4
97.5°	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.6	42.9	49.1	65.8
100°	21.0	21.9	22.7	23.6	24.5	41.5	74.6	107.6	140.7	173.7	172.8
102.5°	125.6	140.7	155.8	170.9	186.0	196.6	202.9	209.1	215.4	221.7	221.1
105°	296.5	296.8	297.0	297.2	297.4	297.5	297.5	297.5	297.5	297.5	297.5
107.5°	373.8	374.5	375.2	375.8	376.5	376.8	376.8	376.7	376.7	376.6	376.2
110°	427.3	427.1	426.9	426.7	426.5	426.7	427.3	428.0	428.7	429.3	428.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	475.3	475.6	475.9	476.2	476.5	477.1	477.9	478.8	479.6	480.5	480.2
115°	547.2	548.5	549.8	551.2	552.5	553.6	554.5	555.4	556.3	557.1	556.9
117.5°	623.8	624.4	625.0	625.6	626.1	627.0	628.2	629.3	630.5	631.6	630.8
120°	671.0	672.1	673.2	674.3	675.4	676.2	676.6	677.1	677.5	678.0	677.3
122.5°	715.7	717.0	718.3	719.6	720.8	721.7	722.2	722.6	723.0	723.5	723.2
125°	783.8	784.5	785.1	785.8	786.5	787.2	788.1	789.0	789.9	790.8	790.8
127.5°	841.1	842.8	844.4	846.0	847.7	848.7	849.2	849.7	850.2	850.7	850.8
130°	882.6	883.8	884.9	886.0	887.1	888.0	888.6	889.3	890.0	890.6	890.4
132.5°	921.0	922.1	923.2	924.3	925.4	926.0	926.2	926.3	926.4	926.6	927.1
135°	973.5	974.8	976.2	977.5	978.8	979.7	980.2	980.6	981.0	981.5	981.9
137.5°	1026.2	1027.4	1028.5	1029.7	1030.8	1031.4	1031.3	1031.2	1031.1	1031.0	1031.4
140°	1057.4	1058.7	1060.0	1061.4	1062.7	1063.1	1062.7	1062.3	1061.8	1061.4	1061.6
142.5°	1086.9	1088.3	1089.6	1090.9	1092.3	1092.9	1092.8	1092.7	1092.6	1092.5	1092.2
145°	1130.3	1131.6	1132.9	1134.3	1135.6	1136.1	1135.9	1135.7	1135.5	1135.3	1135.3
147.5°	1166.0	1167.6	1169.2	1170.8	1172.4	1173.1	1172.8	1172.5	1172.3	1172.0	1171.7
150°	1189.2	1190.9	1192.7	1194.5	1196.3	1196.9	1196.5	1196.1	1195.6	1195.2	1194.7
152.5°	1210.7	1212.3	1213.9	1215.5	1217.1	1217.7	1217.3	1216.8	1216.4	1215.9	1215.5
155°	1239.1	1240.9	1242.6	1244.4	1246.2	1246.8	1246.1	1245.4	1244.8	1244.1	1243.6
157.5°	1262.9	1264.6	1266.4	1268.2	1270.0	1270.5	1269.8	1269.1	1268.4	1267.7	1267.6
160°	1278.0	1279.8	1281.6	1283.4	1285.1	1285.6	1284.7	1283.8	1282.9	1282.0	1281.8
162.5°	1291.6	1293.6	1295.5	1297.5	1299.4	1299.8	1298.5	1297.3	1296.1	1294.8	1294.6
165°	1310.0	1311.8	1313.5	1315.3	1317.1	1317.3	1316.0	1314.6	1313.3	1312.0	1311.8
167.5°	1322.8	1324.8	1326.8	1328.8	1330.8	1331.0	1329.4	1327.8	1326.2	1324.6	1324.3
170°	1330.0	1332.0	1334.0	1335.9	1337.9	1338.1	1336.3	1334.5	1332.7	1331.0	1330.7
172.5°	1334.8	1336.7	1338.7	1340.7	1342.7	1342.9	1341.3	1339.7	1338.1	1336.5	1336.1
175°	1340.9	1342.9	1344.9	1346.9	1348.9	1349.0	1347.3	1345.5	1343.7	1341.9	1341.7
177.5°	1344.5	1346.0	1347.4	1348.8	1350.2	1350.3	1349.1	1347.8	1346.6	1345.3	1345.2
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1889.6	1885.2	1880.2	1871.5	1860.9	1855.3	1846.5	1840.9	1829.7	1820.3	1810.4
5°	1985.4	1965.2	1946.5	1922.3	1895.8	1878.6	1858.4	1835.8	1812.4	1788.2	1761.7
7.5°	2084.8	2048.9	2009.9	1968.0	1927.0	1889.2	1853.2	1817.8	1784.8	1744.9	1711.1
10°	2151.5	2106.3	2057.9	2001.0	1945.7	1897.4	1848.2	1805.4	1761.7	1714.9	1673.6
12.5°	2218.2	2158.0	2089.7	2027.2	1960.7	1902.3	1844.5	1789.8	1734.9	1683.1	1635.0
15°	2265.3	2212.3	2149.1	2060.3	1985.4	1905.2	1828.8	1757.8	1691.6	1633.9	1573.1
17.5°	2296.3	2228.0	2160.2	2074.9	1976.9	1887.1	1800.5	1719.3	1644.6	1571.5	1512.9
20°	2301.9	2231.8	2160.8	2077.4	1976.9	1874.0	1787.4	1690.0	1609.7	1534.1	1462.4
22.5°	2300.1	2220.5	2143.4	2057.5	1959.4	1864.6	1760.0	1660.7	1573.5	1499.2	1424.3
25°	2282.4	2197.5	2100.8	2014.3	1917.6	1817.1	1711.1	1608.2	1519.3	1434.3	1360.3
27.5°	2267.8	2157.6	2048.1	1947.2	1853.9	1761.7	1660.2	1554.8	1456.3	1370.2	1300.4
30°	2249.7	2128.9	2005.7	1900.5	1804.6	1714.9	1619.1	1516.2	1413.3	1329.1	1254.3
32.5°	2233.5	2092.7	1962.7	1848.1	1746.6	1659.4	1571.0	1473.1	1372.1	1286.7	1211.8
35°	2202.2	2039.2	1890.3	1760.9	1652.6	1562.9	1488.9	1397.7	1304.9	1222.3	1150.6
37.5°	2162.4	1969.1	1809.3	1673.6	1554.8	1460.4	1391.4	1321.4	1232.4	1152.8	1087.9
40°	2131.2	1919.2	1750.0	1611.3	1488.1	1389.9	1326.0	1259.7	1185.7	1111.6	1043.0
42.5°	2091.9	1874.3	1690.2	1540.8	1418.9	1323.2	1256.1	1199.8	1134.5	1065.5	1001.8
45°	2019.7	1792.9	1593.3	1432.8	1309.6	1215.3	1145.9	1103.8	1054.7	989.2	935.4
47.5°	1913.6	1695.1	1488.7	1323.0	1195.9	1108.5	1043.5	1003.1	968.5	919.8	871.0
50°	1819.4	1622.2	1413.3	1248.8	1121.7	1033.6	973.6	937.0	907.4	869.9	828.6
52.5°	1714.0	1530.5	1339.1	1176.5	1050.6	963.8	905.0	872.8	848.1	821.3	780.6
55°	1546.6	1390.7	1212.9	1058.6	942.4	857.5	806.0	778.0	757.7	737.4	712.5
57.5°	1362.1	1240.2	1082.8	941.7	834.7	757.4	709.4	682.1	666.3	655.9	641.2
60°	1232.4	1128.0	992.3	863.7	759.3	690.7	643.9	622.8	609.6	601.0	590.1
62.5°	1112.1	1026.3	900.7	783.3	691.9	627.0	585.3	564.8	552.2	548.0	539.0
65°	934.6	868.4	764.7	667.3	589.3	534.0	498.9	479.4	471.6	466.9	467.7
67.5°	759.9	719.5	636.2	553.1	490.9	444.5	416.4	401.5	397.6	391.3	391.2
70°	653.2	622.8	552.7	480.2	424.8	389.0	364.0	348.4	344.5	341.4	340.7
72.5°	559.1	532.4	471.6	413.5	363.7	332.2	311.7	302.3	295.9	294.0	293.9
75°	420.2	405.4	357.0	311.0	276.7	254.9	240.9	232.3	227.6	226.8	227.6
77.5°	298.7	285.8	255.1	222.5	200.8	184.3	172.4	169.5	164.2	164.3	163.5
80°	224.5	215.9	196.4	170.7	152.8	138.8	132.5	127.1	125.5	123.2	125.5
82.5°	162.8	153.6	140.3	123.9	109.1	100.7	94.5	92.8	91.8	90.7	91.2
85°	80.3	81.1	73.3	60.8	54.6	49.9	46.0	46.0	45.2	44.4	45.2
87.5°	30.0	28.5	25.7	23.4	20.0	17.7	16.8	17.0	15.5	15.3	16.2
90°	12.9	11.3	9.8	8.1	6.3	4.5	2.8	1.0	2.8	4.5	6.3
92.5°	13.2	11.8	10.5	10.4	11.6	12.9	14.1	15.4	14.1	12.9	11.6
95°	32.8	41.3	49.7	54.3	54.9	55.6	56.2	56.9	56.2	55.6	54.9
97.5°	82.5	99.2	115.9	123.6	122.4	121.2	120.0	118.8	120.0	121.2	122.4
100°	172.0	171.1	170.2	169.4	168.7	168.1	167.4	166.7	167.4	168.1	168.7
102.5°	220.6	220.1	219.5	218.8	218.0	217.2	216.3	215.5	216.3	217.2	218.0
105°	297.5	297.5	297.5	297.1	296.2	295.3	294.4	293.5	294.4	295.3	296.2
107.5°	375.7	375.3	374.8	374.6	374.6	374.6	374.6	374.6	374.6	374.6	374.6
110°	428.5	428.0	427.6	427.3	427.3	427.3	427.3	427.3	427.3	427.3	427.3



TEST NUMBER: P333322

CATALOG NUMBER: S125DIP-S1270D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	479.9	479.7	479.4	479.0	478.5	477.9	477.4	476.9	477.4	477.9	478.5
115°	556.7	556.5	556.3	555.6	554.5	553.4	552.3	551.2	552.3	553.4	554.5
117.5°	629.9	629.1	628.3	627.9	627.9	627.9	628.0	628.0	628.0	627.9	627.9
120°	676.6	676.0	675.3	675.1	675.3	675.5	675.7	676.0	675.7	675.5	675.3
122.5°	722.9	722.6	722.2	721.7	720.8	720.0	719.1	718.3	719.1	720.0	720.8
125°	790.8	790.8	790.8	790.0	788.5	786.9	785.3	783.8	785.3	786.9	788.5
127.5°	851.0	851.1	851.2	850.7	849.6	848.5	847.4	846.3	847.4	848.5	849.6
130°	890.2	890.0	889.7	889.1	888.0	886.9	885.8	884.6	885.8	886.9	888.0
132.5°	927.6	928.0	928.5	928.1	926.8	925.6	924.3	923.0	924.3	925.6	926.8
135°	982.4	982.8	983.3	982.8	981.5	980.2	978.8	977.5	978.8	980.2	981.5
137.5°	1031.8	1032.2	1032.6	1032.2	1031.1	1029.9	1028.8	1027.6	1028.8	1029.9	1031.1
140°	1061.8	1062.0	1062.3	1062.1	1061.7	1061.3	1060.8	1060.4	1060.8	1061.3	1061.7
142.5°	1091.9	1091.6	1091.3	1091.0	1090.7	1090.5	1090.2	1089.9	1090.2	1090.5	1090.7
145°	1135.3	1135.3	1135.3	1135.0	1134.6	1134.1	1133.7	1133.3	1133.7	1134.1	1134.6
147.5°	1171.5	1171.2	1170.9	1170.8	1170.9	1171.0	1171.1	1171.2	1171.1	1171.0	1170.9
150°	1194.3	1193.8	1193.4	1193.4	1193.8	1194.3	1194.7	1195.2	1194.7	1194.3	1193.8
152.5°	1215.0	1214.6	1214.2	1214.4	1215.4	1216.4	1217.4	1218.3	1217.4	1216.4	1215.4
155°	1243.2	1242.8	1242.3	1242.8	1244.1	1245.4	1246.8	1248.1	1246.8	1245.4	1244.1
157.5°	1267.6	1267.5	1267.5	1267.9	1268.7	1269.5	1270.2	1271.0	1270.2	1269.5	1268.7
160°	1281.6	1281.4	1281.1	1281.7	1283.0	1284.4	1285.7	1287.0	1285.7	1284.4	1283.0
162.5°	1294.4	1294.1	1293.9	1294.5	1295.8	1297.1	1298.5	1299.8	1298.5	1297.1	1295.8
165°	1311.5	1311.3	1311.1	1311.7	1313.0	1314.3	1315.6	1317.0	1315.6	1314.3	1313.0
167.5°	1324.1	1323.9	1323.7	1324.3	1325.6	1327.0	1328.4	1329.8	1328.4	1327.0	1325.6
170°	1330.5	1330.3	1330.1	1330.7	1332.3	1333.8	1335.4	1336.9	1335.4	1333.8	1332.3
172.5°	1335.7	1335.3	1335.0	1335.5	1337.1	1338.6	1340.2	1341.7	1340.2	1338.6	1337.1
175°	1341.5	1341.3	1341.1	1341.6	1342.9	1344.3	1345.6	1346.9	1345.6	1344.3	1342.9
177.5°	1345.0	1344.8	1344.6	1345.1	1346.1	1347.2	1348.3	1349.3	1348.3	1347.2	1346.1
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333322

CATALOG NUMBER: S125DIP-S1270D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1804.7	1797.9	1792.3	1779.8	1772.9	1763.6	1756.1	1764.2	1755.5	1759.2	1753.6
5°	1748.5	1726.6	1711.1	1688.4	1669.0	1651.0	1637.8	1635.4	1629.2	1626.1	1616.7
7.5°	1680.8	1653.5	1626.7	1597.1	1572.1	1546.7	1530.5	1517.1	1508.2	1496.5	1488.6
10°	1640.9	1604.3	1573.1	1537.2	1506.0	1478.8	1456.9	1446.0	1435.9	1421.1	1415.6
12.5°	1591.6	1553.7	1515.7	1477.4	1447.4	1417.0	1398.3	1381.8	1374.8	1358.1	1356.4
15°	1532.5	1475.6	1438.2	1399.2	1357.9	1333.0	1317.4	1299.5	1291.7	1280.0	1271.4
17.5°	1462.1	1411.2	1364.5	1324.1	1288.7	1267.7	1248.3	1236.0	1222.6	1215.0	1200.9
20°	1410.9	1362.6	1315.8	1273.0	1245.7	1221.5	1205.9	1194.2	1180.2	1176.3	1162.3
22.5°	1367.9	1314.6	1269.7	1233.7	1203.9	1176.6	1159.8	1151.8	1142.2	1130.2	1127.3
25°	1297.9	1242.6	1204.4	1168.5	1142.0	1117.1	1105.4	1095.2	1085.9	1077.3	1074.2
27.5°	1237.4	1188.0	1142.6	1110.2	1087.1	1064.4	1054.1	1041.8	1034.9	1028.0	1019.6
30°	1195.0	1144.3	1104.6	1073.4	1048.5	1028.2	1017.3	1008.7	1002.5	996.2	991.6
32.5°	1151.4	1104.4	1065.9	1035.4	1010.4	995.1	985.5	979.4	972.5	965.0	959.1
35°	1093.7	1042.2	1004.8	978.3	958.8	947.1	936.2	930.7	923.0	923.0	916.7
37.5°	1028.7	984.2	951.2	927.0	909.5	899.1	887.3	883.5	878.5	875.2	873.1
40°	990.0	948.7	917.5	893.3	874.6	866.0	856.7	850.5	847.3	843.4	841.9
42.5°	950.1	910.6	880.7	858.4	842.2	834.9	826.1	821.8	815.5	810.4	809.5
45°	889.4	851.2	824.0	806.0	792.0	783.4	778.0	768.6	765.5	759.3	758.5
47.5°	831.9	795.3	768.5	753.8	741.5	734.5	725.9	716.5	713.0	709.8	709.5
50°	788.9	755.4	730.4	716.4	704.7	694.6	686.0	679.7	677.4	677.4	679.0
52.5°	745.2	716.7	695.5	678.3	667.3	656.5	648.6	644.8	641.2	645.0	647.8
55°	681.3	652.5	636.9	620.5	609.6	597.1	593.2	591.7	589.3	595.6	598.7
57.5°	613.6	593.4	575.1	558.9	549.1	541.9	536.6	535.7	540.1	543.0	553.1
60°	570.6	547.2	530.9	518.4	506.7	502.0	500.5	498.9	502.0	510.6	523.8
62.5°	523.2	504.2	486.6	477.2	468.6	460.9	460.5	461.5	467.7	477.5	490.8
65°	453.7	437.3	425.6	414.7	407.7	403.0	404.6	407.7	414.7	428.0	442.8
67.5°	383.1	371.8	361.4	352.5	345.8	345.8	347.4	352.0	360.3	375.6	389.1
70°	337.5	325.1	316.5	312.6	307.1	304.0	308.7	316.5	323.5	337.5	349.2
72.5°	292.0	281.4	274.7	272.1	269.7	267.2	268.8	277.2	286.7	300.7	314.3
75°	224.5	220.6	215.9	212.8	210.5	212.0	213.6	221.4	229.2	244.0	259.6
77.5°	163.9	159.8	157.0	156.2	155.0	155.7	160.1	165.9	173.5	184.3	196.1
80°	123.9	122.4	120.8	120.0	120.0	120.8	127.1	131.0	138.0	148.1	157.5
82.5°	90.3	89.3	89.0	88.9	89.5	89.6	93.4	98.5	104.3	111.9	120.0
85°	47.6	46.0	48.3	49.1	47.6	49.9	51.4	54.6	56.9	60.8	64.7
87.5°	17.2	18.8	18.5	19.4	19.7	21.3	20.9	23.6	25.1	26.5	26.1
90°	8.1	9.8	11.3	12.9	14.4	16.0	17.1	18.2	19.3	20.4	21.3
92.5°	10.4	10.5	11.8	13.2	14.6	16.0	17.1	18.2	19.3	20.4	21.1
95°	54.3	49.7	41.3	32.8	24.4	16.0	17.1	18.2	19.3	20.4	21.0
97.5°	123.6	115.9	99.2	82.5	65.8	49.1	42.9	36.6	30.4	24.1	21.0
100°	169.4	170.2	171.1	172.0	172.8	173.7	140.7	107.6	74.6	41.5	24.5
102.5°	218.8	219.5	220.1	220.6	221.1	221.7	215.4	209.1	202.9	196.6	186.0
105°	297.1	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.4
107.5°	374.6	374.8	375.3	375.7	376.2	376.6	376.7	376.7	376.8	376.8	376.5
110°	427.3	427.6	428.0	428.5	428.9	429.3	428.7	428.0	427.3	426.7	426.5



TEST NUMBER: P333322

CATALOG NUMBER: S125DIP-S1270D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	479.0	479.4	479.7	479.9	480.2	480.5	479.6	478.8	477.9	477.1	476.5
115°	555.6	556.3	556.5	556.7	556.9	557.1	556.3	555.4	554.5	553.6	552.5
117.5°	627.9	628.3	629.1	629.9	630.8	631.6	630.5	629.3	628.2	627.0	626.1
120°	675.1	675.3	676.0	676.6	677.3	678.0	677.5	677.1	676.6	676.2	675.4
122.5°	721.7	722.2	722.6	722.9	723.2	723.5	723.0	722.6	722.2	721.7	720.8
125°	790.0	790.8	790.8	790.8	790.8	790.8	789.9	789.0	788.1	787.2	786.5
127.5°	850.7	851.2	851.1	851.0	850.8	850.7	850.2	849.7	849.2	848.7	847.7
130°	889.1	889.7	890.0	890.2	890.4	890.6	890.0	889.3	888.6	888.0	887.1
132.5°	928.1	928.5	928.0	927.6	927.1	926.6	926.4	926.3	926.2	926.0	925.4
135°	982.8	983.3	982.8	982.4	981.9	981.5	981.0	980.6	980.2	979.7	978.8
137.5°	1032.2	1032.6	1032.2	1031.8	1031.4	1031.0	1031.1	1031.2	1031.3	1031.4	1030.8
140°	1062.1	1062.3	1062.0	1061.8	1061.6	1061.4	1061.8	1062.3	1062.7	1063.1	1062.7
142.5°	1091.0	1091.3	1091.6	1091.9	1092.2	1092.5	1092.6	1092.7	1092.8	1092.9	1092.3
145°	1135.0	1135.3	1135.3	1135.3	1135.3	1135.3	1135.5	1135.7	1135.9	1136.1	1135.6
147.5°	1170.8	1170.9	1171.2	1171.5	1171.7	1172.0	1172.3	1172.5	1172.8	1173.1	1172.4
150°	1193.4	1193.4	1193.8	1194.3	1194.7	1195.2	1195.6	1196.1	1196.5	1196.9	1196.3
152.5°	1214.4	1214.2	1214.6	1215.0	1215.5	1215.9	1216.4	1216.8	1217.3	1217.7	1217.1
155°	1242.8	1242.3	1242.8	1243.2	1243.6	1244.1	1244.8	1245.4	1246.1	1246.8	1246.2
157.5°	1267.9	1267.5	1267.5	1267.6	1267.6	1267.7	1268.4	1269.1	1269.8	1270.5	1270.0
160°	1281.7	1281.1	1281.4	1281.6	1281.8	1282.0	1282.9	1283.8	1284.7	1285.6	1285.1
162.5°	1294.5	1293.9	1294.1	1294.4	1294.6	1294.8	1296.1	1297.3	1298.5	1299.8	1299.4
165°	1311.7	1311.1	1311.3	1311.5	1311.8	1312.0	1313.3	1314.6	1316.0	1317.3	1317.1
167.5°	1324.3	1323.7	1323.9	1324.1	1324.3	1324.6	1326.2	1327.8	1329.4	1331.0	1330.8
170°	1330.7	1330.1	1330.3	1330.5	1330.7	1331.0	1332.7	1334.5	1336.3	1338.1	1337.9
172.5°	1335.5	1335.0	1335.3	1335.7	1336.1	1336.5	1338.1	1339.7	1341.3	1342.9	1342.7
175°	1341.6	1341.1	1341.3	1341.5	1341.7	1341.9	1343.7	1345.5	1347.3	1349.0	1348.9
177.5°	1345.1	1344.6	1344.8	1345.0	1345.2	1345.3	1346.6	1347.8	1349.1	1350.3	1350.2
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333322

CATALOG NUMBER: S125DIP-S1270D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1749.9	1754.2	1750.5	1755.5	1750.5	1754.2	1749.9	1753.6	1759.2	1755.5	1764.2
5°	1612.8	1605.8	1610.5	1607.4	1610.5	1605.8	1612.8	1616.7	1626.1	1629.2	1635.4
7.5°	1486.2	1479.5	1471.9	1468.3	1471.9	1479.5	1486.2	1488.6	1496.5	1508.2	1517.1
10°	1407.0	1398.5	1397.7	1392.2	1397.7	1398.5	1407.0	1415.6	1421.1	1435.9	1446.0
12.5°	1349.0	1341.1	1332.2	1329.9	1332.2	1341.1	1349.0	1356.4	1358.1	1374.8	1381.8
15°	1266.7	1260.5	1255.0	1259.7	1255.0	1260.5	1266.7	1271.4	1280.0	1291.7	1299.5
17.5°	1198.3	1193.1	1192.2	1186.4	1192.2	1193.1	1198.3	1200.9	1215.0	1222.6	1236.0
20°	1155.3	1151.4	1152.9	1142.8	1152.9	1151.4	1155.3	1162.3	1176.3	1180.2	1194.2
22.5°	1121.0	1113.3	1112.4	1110.4	1112.4	1113.3	1121.0	1127.3	1130.2	1142.2	1151.8
25°	1067.2	1063.3	1059.4	1063.3	1059.4	1063.3	1067.2	1074.2	1077.3	1085.9	1095.2
27.5°	1020.2	1015.6	1014.5	1014.9	1014.5	1015.6	1020.2	1019.6	1028.0	1034.9	1041.8
30°	991.6	983.8	984.5	983.8	984.5	983.8	991.6	991.6	996.2	1002.5	1008.7
32.5°	960.4	955.1	954.0	952.6	954.0	955.1	960.4	959.1	965.0	972.5	979.4
35°	914.4	914.4	910.5	910.5	910.5	914.4	914.4	916.7	923.0	923.0	930.7
37.5°	871.2	870.4	868.1	868.4	868.1	870.4	871.2	873.1	875.2	878.5	883.5
40°	838.8	838.0	835.6	831.0	835.6	838.0	838.8	841.9	843.4	847.3	850.5
42.5°	807.6	804.9	803.8	802.3	803.8	804.9	807.6	809.5	810.4	815.5	821.8
45°	758.5	758.5	756.9	756.1	756.9	758.5	758.5	758.5	759.3	765.5	768.6
47.5°	710.8	712.2	715.1	714.7	715.1	712.2	710.8	709.5	709.8	713.0	716.5
50°	682.1	682.9	685.2	686.0	685.2	682.9	682.1	679.0	677.4	677.4	679.7
52.5°	650.3	654.8	657.8	657.3	657.8	654.8	650.3	647.8	645.0	641.2	644.8
55°	605.7	611.1	616.6	617.4	616.6	611.1	605.7	598.7	595.6	589.3	591.7
57.5°	561.6	569.2	575.0	576.8	575.0	569.2	561.6	553.1	543.0	540.1	535.7
60°	531.6	541.8	548.8	551.9	548.8	541.8	531.6	523.8	510.6	502.0	498.9
62.5°	502.9	514.3	521.3	522.0	521.3	514.3	502.9	490.8	477.5	467.7	461.5
65°	456.0	467.7	473.9	478.6	473.9	467.7	456.0	442.8	428.0	414.7	407.7
67.5°	405.5	417.2	424.1	427.8	424.1	417.2	405.5	389.1	375.6	360.3	352.0
70°	368.7	380.4	389.8	392.9	389.8	380.4	368.7	349.2	337.5	323.5	316.5
72.5°	332.5	343.0	350.5	354.2	350.5	343.0	332.5	314.3	300.7	286.7	277.2
75°	269.7	283.7	290.8	294.7	290.8	283.7	269.7	259.6	244.0	229.2	221.4
77.5°	208.0	220.8	225.0	227.0	225.0	220.8	208.0	196.1	184.3	173.5	165.9
80°	166.8	174.6	180.1	180.8	180.1	174.6	166.8	157.5	148.1	138.0	131.0
82.5°	128.2	134.7	136.4	138.4	136.4	134.7	128.2	120.0	111.9	104.3	98.5
85°	70.2	73.3	74.1	73.3	74.1	73.3	70.2	64.7	60.8	56.9	54.6
87.5°	27.5	27.0	27.1	28.5	27.1	27.0	27.5	26.1	26.5	25.1	23.6
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.3	20.4	19.3	18.2
92.5°	21.4	21.7	22.1	22.4	22.1	21.7	21.4	21.1	20.4	19.3	18.2
95°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.4	19.3	18.2
97.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	24.1	30.4	36.6
100°	23.6	22.7	21.9	21.0	21.9	22.7	23.6	24.5	41.5	74.6	107.6
102.5°	170.9	155.8	140.7	125.6	140.7	155.8	170.9	186.0	196.6	202.9	209.1
105°	297.2	297.0	296.8	296.5	296.8	297.0	297.2	297.4	297.5	297.5	297.5
107.5°	375.8	375.2	374.5	373.8	374.5	375.2	375.8	376.5	376.8	376.8	376.7
110°	426.7	426.9	427.1	427.3	427.1	426.9	426.7	426.5	426.7	427.3	428.0



TEST NUMBER: P333322

CATALOG NUMBER: S125DIP-S1270D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	476.2	475.9	475.6	475.3	475.6	475.9	476.2	476.5	477.1	477.9	478.8
115°	551.2	549.8	548.5	547.2	548.5	549.8	551.2	552.5	553.6	554.5	555.4
117.5°	625.6	625.0	624.4	623.8	624.4	625.0	625.6	626.1	627.0	628.2	629.3
120°	674.3	673.2	672.1	671.0	672.1	673.2	674.3	675.4	676.2	676.6	677.1
122.5°	719.6	718.3	717.0	715.7	717.0	718.3	719.6	720.8	721.7	722.2	722.6
125°	785.8	785.1	784.5	783.8	784.5	785.1	785.8	786.5	787.2	788.1	789.0
127.5°	846.0	844.4	842.8	841.1	842.8	844.4	846.0	847.7	848.7	849.2	849.7
130°	886.0	884.9	883.8	882.6	883.8	884.9	886.0	887.1	888.0	888.6	889.3
132.5°	924.3	923.2	922.1	921.0	922.1	923.2	924.3	925.4	926.0	926.2	926.3
135°	977.5	976.2	974.8	973.5	974.8	976.2	977.5	978.8	979.7	980.2	980.6
137.5°	1029.7	1028.5	1027.4	1026.2	1027.4	1028.5	1029.7	1030.8	1031.4	1031.3	1031.2
140°	1061.4	1060.0	1058.7	1057.4	1058.7	1060.0	1061.4	1062.7	1063.1	1062.7	1062.3
142.5°	1090.9	1089.6	1088.3	1086.9	1088.3	1089.6	1090.9	1092.3	1092.9	1092.8	1092.7
145°	1134.3	1132.9	1131.6	1130.3	1131.6	1132.9	1134.3	1135.6	1136.1	1135.9	1135.7
147.5°	1170.8	1169.2	1167.6	1166.0	1167.6	1169.2	1170.8	1172.4	1173.1	1172.8	1172.5
150°	1194.5	1192.7	1190.9	1189.2	1190.9	1192.7	1194.5	1196.3	1196.9	1196.5	1196.1
152.5°	1215.5	1213.9	1212.3	1210.7	1212.3	1213.9	1215.5	1217.1	1217.7	1217.3	1216.8
155°	1244.4	1242.6	1240.9	1239.1	1240.9	1242.6	1244.4	1246.2	1246.8	1246.1	1245.4
157.5°	1268.2	1266.4	1264.6	1262.9	1264.6	1266.4	1268.2	1270.0	1270.5	1269.8	1269.1
160°	1283.4	1281.6	1279.8	1278.0	1279.8	1281.6	1283.4	1285.1	1285.6	1284.7	1283.8
162.5°	1297.5	1295.5	1293.6	1291.6	1293.6	1295.5	1297.5	1299.4	1299.8	1298.5	1297.3
165°	1315.3	1313.5	1311.8	1310.0	1311.8	1313.5	1315.3	1317.1	1317.3	1316.0	1314.6
167.5°	1328.8	1326.8	1324.8	1322.8	1324.8	1326.8	1328.8	1330.8	1331.0	1329.4	1327.8
170°	1335.9	1334.0	1332.0	1330.0	1332.0	1334.0	1335.9	1337.9	1338.1	1336.3	1334.5
172.5°	1340.7	1338.7	1336.7	1334.8	1336.7	1338.7	1340.7	1342.7	1342.9	1341.3	1339.7
175°	1346.9	1344.9	1342.9	1340.9	1342.9	1344.9	1346.9	1348.9	1349.0	1347.3	1345.5
177.5°	1348.8	1347.4	1346.0	1344.5	1346.0	1347.4	1348.8	1350.2	1350.3	1349.1	1347.8
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333322

CATALOG NUMBER: S125DIP-S1270D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1756.1	1763.6	1772.9	1779.8	1792.3	1797.9	1804.7	1810.4	1820.3	1829.7	1840.9
5°	1637.8	1651.0	1669.0	1688.4	1711.1	1726.6	1748.5	1761.7	1788.2	1812.4	1835.8
7.5°	1530.5	1546.7	1572.1	1597.1	1626.7	1653.5	1680.8	1711.1	1744.9	1784.8	1817.8
10°	1456.9	1478.8	1506.0	1537.2	1573.1	1604.3	1640.9	1673.6	1714.9	1761.7	1805.4
12.5°	1398.3	1417.0	1447.4	1477.4	1515.7	1553.7	1591.6	1635.0	1683.1	1734.9	1789.8
15°	1317.4	1333.0	1357.9	1399.2	1438.2	1475.6	1532.5	1573.1	1633.9	1691.6	1757.8
17.5°	1248.3	1267.7	1288.7	1324.1	1364.5	1411.2	1462.1	1512.9	1571.5	1644.6	1719.3
20°	1205.9	1221.5	1245.7	1273.0	1315.8	1362.6	1410.9	1462.4	1534.1	1609.7	1690.0
22.5°	1159.8	1176.6	1203.9	1233.7	1269.7	1314.6	1367.9	1424.3	1499.2	1573.5	1660.7
25°	1105.4	1117.1	1142.0	1168.5	1204.4	1242.6	1297.9	1360.3	1434.3	1519.3	1608.2
27.5°	1054.1	1064.4	1087.1	1110.2	1142.6	1188.0	1237.4	1300.4	1370.2	1456.3	1554.8
30°	1017.3	1028.2	1048.5	1073.4	1104.6	1144.3	1195.0	1254.3	1329.1	1413.3	1516.2
32.5°	985.5	995.1	1010.4	1035.4	1065.9	1104.4	1151.4	1211.8	1286.7	1372.1	1473.1
35°	936.2	947.1	958.8	978.3	1004.8	1042.2	1093.7	1150.6	1222.3	1304.9	1397.7
37.5°	887.3	899.1	909.5	927.0	951.2	984.2	1028.7	1087.9	1152.8	1232.4	1321.4
40°	856.7	866.0	874.6	893.3	917.5	948.7	990.0	1043.0	1111.6	1185.7	1259.7
42.5°	826.1	834.9	842.2	858.4	880.7	910.6	950.1	1001.8	1065.5	1134.5	1199.8
45°	778.0	783.4	792.0	806.0	824.0	851.2	889.4	935.4	989.2	1054.7	1103.8
47.5°	725.9	734.5	741.5	753.8	768.5	795.3	831.9	871.0	919.8	968.5	1003.1
50°	686.0	694.6	704.7	716.4	730.4	755.4	788.9	828.6	869.9	907.4	937.0
52.5°	648.6	656.5	667.3	678.3	695.5	716.7	745.2	780.6	821.3	848.1	872.8
55°	593.2	597.1	609.6	620.5	636.9	652.5	681.3	712.5	737.4	757.7	778.0
57.5°	536.6	541.9	549.1	558.9	575.1	593.4	613.6	641.2	655.9	666.3	682.1
60°	500.5	502.0	506.7	518.4	530.9	547.2	570.6	590.1	601.0	609.6	622.8
62.5°	460.5	460.9	468.6	477.2	486.6	504.2	523.2	539.0	548.0	552.2	564.8
65°	404.6	403.0	407.7	414.7	425.6	437.3	453.7	467.7	466.9	471.6	479.4
67.5°	347.4	345.8	345.8	352.5	361.4	371.8	383.1	391.2	391.3	397.6	401.5
70°	308.7	304.0	307.1	312.6	316.5	325.1	337.5	340.7	341.4	344.5	348.4
72.5°	268.8	267.2	269.7	272.1	274.7	281.4	292.0	293.9	294.0	295.9	302.3
75°	213.6	212.0	210.5	212.8	215.9	220.6	224.5	227.6	226.8	227.6	232.3
77.5°	160.1	155.7	155.0	156.2	157.0	159.8	163.9	163.5	164.3	164.2	169.5
80°	127.1	120.8	120.0	120.0	120.8	122.4	123.9	125.5	123.2	125.5	127.1
82.5°	93.4	89.6	89.5	88.9	89.0	89.3	90.3	91.2	90.7	91.8	92.8
85°	51.4	49.9	47.6	49.1	48.3	46.0	47.6	45.2	44.4	45.2	46.0
87.5°	20.9	21.3	19.7	19.4	18.5	18.8	17.2	16.2	15.3	15.5	17.0
90°	17.1	16.0	14.4	12.9	11.3	9.8	8.1	6.3	4.5	2.8	1.0
92.5°	17.1	16.0	14.6	13.2	11.8	10.5	10.4	11.6	12.9	14.1	15.4
95°	17.1	16.0	24.4	32.8	41.3	49.7	54.3	54.9	55.6	56.2	56.9
97.5°	42.9	49.1	65.8	82.5	99.2	115.9	123.6	122.4	121.2	120.0	118.8
100°	140.7	173.7	172.8	172.0	171.1	170.2	169.4	168.7	168.1	167.4	166.7
102.5°	215.4	221.7	221.1	220.6	220.1	219.5	218.8	218.0	217.2	216.3	215.5
105°	297.5	297.5	297.5	297.5	297.5	297.5	297.1	296.2	295.3	294.4	293.5
107.5°	376.7	376.6	376.2	375.7	375.3	374.8	374.6	374.6	374.6	374.6	374.6
110°	428.7	429.3	428.9	428.5	428.0	427.6	427.3	427.3	427.3	427.3	427.3



TEST NUMBER: P333322

CATALOG NUMBER: S125DIP-S1270D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	479.6	480.5	480.2	479.9	479.7	479.4	479.0	478.5	477.9	477.4	476.9
115°	556.3	557.1	556.9	556.7	556.5	556.3	555.6	554.5	553.4	552.3	551.2
117.5°	630.5	631.6	630.8	629.9	629.1	628.3	627.9	627.9	627.9	628.0	628.0
120°	677.5	678.0	677.3	676.6	676.0	675.3	675.1	675.3	675.5	675.7	676.0
122.5°	723.0	723.5	723.2	722.9	722.6	722.2	721.7	720.8	720.0	719.1	718.3
125°	789.9	790.8	790.8	790.8	790.8	790.8	790.0	788.5	786.9	785.3	783.8
127.5°	850.2	850.7	850.8	851.0	851.1	851.2	850.7	849.6	848.5	847.4	846.3
130°	890.0	890.6	890.4	890.2	890.0	889.7	889.1	888.0	886.9	885.8	884.6
132.5°	926.4	926.6	927.1	927.6	928.0	928.5	928.1	926.8	925.6	924.3	923.0
135°	981.0	981.5	981.9	982.4	982.8	983.3	982.8	981.5	980.2	978.8	977.5
137.5°	1031.1	1031.0	1031.4	1031.8	1032.2	1032.6	1032.2	1031.1	1029.9	1028.8	1027.6
140°	1061.8	1061.4	1061.6	1061.8	1062.0	1062.3	1062.1	1061.7	1061.3	1060.8	1060.4
142.5°	1092.6	1092.5	1092.2	1091.9	1091.6	1091.3	1091.0	1090.7	1090.5	1090.2	1089.9
145°	1135.5	1135.3	1135.3	1135.3	1135.3	1135.3	1135.0	1134.6	1134.1	1133.7	1133.3
147.5°	1172.3	1172.0	1171.7	1171.5	1171.2	1170.9	1170.8	1170.9	1171.0	1171.1	1171.2
150°	1195.6	1195.2	1194.7	1194.3	1193.8	1193.4	1193.4	1193.8	1194.3	1194.7	1195.2
152.5°	1216.4	1215.9	1215.5	1215.0	1214.6	1214.2	1214.4	1215.4	1216.4	1217.4	1218.3
155°	1244.8	1244.1	1243.6	1243.2	1242.8	1242.3	1242.8	1244.1	1245.4	1246.8	1248.1
157.5°	1268.4	1267.7	1267.6	1267.6	1267.5	1267.5	1267.9	1268.7	1269.5	1270.2	1271.0
160°	1282.9	1282.0	1281.8	1281.6	1281.4	1281.1	1281.7	1283.0	1284.4	1285.7	1287.0
162.5°	1296.1	1294.8	1294.6	1294.4	1294.1	1293.9	1294.5	1295.8	1297.1	1298.5	1299.8
165°	1313.3	1312.0	1311.8	1311.5	1311.3	1311.1	1311.7	1313.0	1314.3	1315.6	1317.0
167.5°	1326.2	1324.6	1324.3	1324.1	1323.9	1323.7	1324.3	1325.6	1327.0	1328.4	1329.8
170°	1332.7	1331.0	1330.7	1330.5	1330.3	1330.1	1330.7	1332.3	1333.8	1335.4	1336.9
172.5°	1338.1	1336.5	1336.1	1335.7	1335.3	1335.0	1335.5	1337.1	1338.6	1340.2	1341.7
175°	1343.7	1341.9	1341.7	1341.5	1341.3	1341.1	1341.6	1342.9	1344.3	1345.6	1346.9
177.5°	1346.6	1345.3	1345.2	1345.0	1344.8	1344.6	1345.1	1346.1	1347.2	1348.3	1349.3
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



TEST NUMBER: P333322

CATALOG NUMBER: S125DIP-S1270D1035U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1846.5	1855.3	1860.9	1871.5	1880.2	1885.2	1889.6	1893.3	1897.7	1901.4	1912.0
5°	1858.4	1878.6	1895.8	1922.3	1946.5	1965.2	1985.4	2003.4	2018.2	2039.2	2055.6
7.5°	1853.2	1889.2	1927.0	1968.0	2009.9	2048.9	2084.8	2118.3	2148.7	2185.5	2217.7
10°	1848.2	1897.4	1945.7	2001.0	2057.9	2106.3	2151.5	2197.5	2231.0	2277.8	2317.5
12.5°	1844.5	1902.3	1960.7	2027.2	2089.7	2158.0	2218.2	2251.7	2302.7	2340.1	2387.4
15°	1828.8	1905.2	1985.4	2060.3	2149.1	2212.3	2265.3	2330.8	2378.3	2425.9	2477.3
17.5°	1800.5	1887.1	1976.9	2074.9	2160.2	2228.0	2296.3	2359.5	2416.2	2480.0	2544.0
20°	1787.4	1874.0	1976.9	2077.4	2160.8	2231.8	2301.9	2371.3	2433.7	2515.5	2589.6
22.5°	1760.0	1864.6	1959.4	2057.5	2143.4	2220.5	2300.1	2378.8	2461.7	2554.2	2646.9
25°	1711.1	1817.1	1917.6	2014.3	2100.8	2197.5	2282.4	2387.7	2493.7	2616.1	2731.4
27.5°	1660.2	1761.7	1853.9	1947.2	2048.1	2157.6	2267.8	2387.2	2526.0	2680.5	2843.2
30°	1619.1	1714.9	1804.6	1900.5	2005.7	2128.9	2249.7	2391.6	2552.2	2726.0	2919.3
32.5°	1571.0	1659.4	1746.6	1848.1	1962.7	2092.7	2233.5	2389.1	2582.1	2779.6	2978.6
35°	1488.9	1562.9	1652.6	1760.9	1890.3	2039.2	2202.2	2386.1	2607.5	2834.3	3001.9
37.5°	1391.4	1460.4	1554.8	1673.6	1809.3	1969.1	2162.4	2380.7	2615.8	2796.6	2850.7
40°	1326.0	1389.9	1488.1	1611.3	1750.0	1919.2	2131.2	2362.0	2589.6	2704.9	2660.5
42.5°	1256.1	1323.2	1418.9	1540.8	1690.2	1874.3	2091.9	2322.7	2513.5	2557.1	2403.6
45°	1145.9	1215.3	1309.6	1432.8	1593.3	1792.9	2019.7	2229.4	2339.3	2260.6	2022.9
47.5°	1043.5	1108.5	1195.9	1323.0	1488.7	1695.1	1913.6	2080.9	2089.6	1901.7	1647.8
50°	973.6	1033.6	1121.7	1248.8	1413.3	1622.2	1819.4	1951.1	1891.9	1679.1	1435.1
52.5°	905.0	963.8	1050.6	1176.5	1339.1	1530.5	1714.0	1806.5	1694.8	1476.4	1268.0
55°	806.0	857.5	942.4	1058.6	1212.9	1390.7	1546.6	1578.5	1433.5	1218.4	1049.2
57.5°	709.4	757.4	834.7	941.7	1082.8	1240.2	1362.1	1355.3	1202.0	1017.4	883.2
60°	643.9	690.7	759.3	863.7	992.3	1128.0	1232.4	1207.5	1055.5	896.5	783.4
62.5°	585.3	627.0	691.9	783.3	900.7	1026.3	1112.1	1075.3	926.4	787.3	698.0
65°	498.9	534.0	589.3	667.3	764.7	868.4	934.6	887.1	760.0	651.7	580.0
67.5°	416.4	444.5	490.9	553.1	636.2	719.5	759.9	712.0	610.4	531.3	478.2
70°	364.0	389.0	424.8	480.2	552.7	622.8	653.2	610.4	523.1	455.2	417.0
72.5°	311.7	332.2	363.7	413.5	471.6	532.4	559.1	518.1	446.4	389.1	353.4
75°	240.9	254.9	276.7	311.0	357.0	405.4	420.2	384.3	338.3	295.4	272.1
77.5°	172.4	184.3	200.8	222.5	255.1	285.8	298.7	278.0	242.4	215.3	196.1
80°	132.5	138.8	152.8	170.7	196.4	215.9	224.5	211.3	186.3	166.0	151.2
82.5°	94.5	100.7	109.1	123.9	140.3	153.6	162.8	153.9	135.8	119.9	111.3
85°	46.0	49.9	54.6	60.8	73.3	81.1	80.3	74.8	67.8	61.6	56.9
87.5°	16.8	17.7	20.0	23.4	25.7	28.5	30.0	29.1	26.9	25.2	23.6
90°	2.8	4.5	6.3	8.1	9.8	11.3	12.9	14.4	16.0	17.1	18.2
92.5°	14.1	12.9	11.6	10.4	10.5	11.8	13.2	14.6	16.0	17.1	18.2
95°	56.2	55.6	54.9	54.3	49.7	41.3	32.8	24.4	16.0	17.1	18.2
97.5°	120.0	121.2	122.4	123.6	115.9	99.2	82.5	65.8	49.1	42.9	36.6
100°	167.4	168.1	168.7	169.4	170.2	171.1	172.0	172.8	173.7	140.7	107.6
102.5°	216.3	217.2	218.0	218.8	219.5	220.1	220.6	221.1	221.7	215.4	209.1
105°	294.4	295.3	296.2	297.1	297.5	297.5	297.5	297.5	297.5	297.5	297.5
107.5°	374.6	374.6	374.6	374.6	374.8	375.3	375.7	376.2	376.6	376.7	376.7
110°	427.3	427.3	427.3	427.3	427.6	428.0	428.5	428.9	429.3	428.7	428.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	477.4	477.9	478.5	479.0	479.4	479.7	479.9	480.2	480.5	479.6	478.8
115°	552.3	553.4	554.5	555.6	556.3	556.5	556.7	556.9	557.1	556.3	555.4
117.5°	628.0	627.9	627.9	627.9	628.3	629.1	629.9	630.8	631.6	630.5	629.3
120°	675.7	675.5	675.3	675.1	675.3	676.0	676.6	677.3	678.0	677.5	677.1
122.5°	719.1	720.0	720.8	721.7	722.2	722.6	722.9	723.2	723.5	723.0	722.6
125°	785.3	786.9	788.5	790.0	790.8	790.8	790.8	790.8	790.8	789.9	789.0
127.5°	847.4	848.5	849.6	850.7	851.2	851.1	851.0	850.8	850.7	850.2	849.7
130°	885.8	886.9	888.0	889.1	889.7	890.0	890.2	890.4	890.6	890.0	889.3
132.5°	924.3	925.6	926.8	928.1	928.5	928.0	927.6	927.1	926.6	926.4	926.3
135°	978.8	980.2	981.5	982.8	983.3	982.8	982.4	981.9	981.5	981.0	980.6
137.5°	1028.8	1029.9	1031.1	1032.2	1032.6	1032.2	1031.8	1031.4	1031.0	1031.1	1031.2
140°	1060.8	1061.3	1061.7	1062.1	1062.3	1062.0	1061.8	1061.6	1061.4	1061.8	1062.3
142.5°	1090.2	1090.5	1090.7	1091.0	1091.3	1091.6	1091.9	1092.2	1092.5	1092.6	1092.7
145°	1133.7	1134.1	1134.6	1135.0	1135.3	1135.3	1135.3	1135.3	1135.3	1135.5	1135.7
147.5°	1171.1	1171.0	1170.9	1170.8	1170.9	1171.2	1171.5	1171.7	1172.0	1172.3	1172.5
150°	1194.7	1194.3	1193.8	1193.4	1193.4	1193.8	1194.3	1194.7	1195.2	1195.6	1196.1
152.5°	1217.4	1216.4	1215.4	1214.4	1214.2	1214.6	1215.0	1215.5	1215.9	1216.4	1216.8
155°	1246.8	1245.4	1244.1	1242.8	1242.3	1242.8	1243.2	1243.6	1244.1	1244.8	1245.4
157.5°	1270.2	1269.5	1268.7	1267.9	1267.5	1267.5	1267.6	1267.6	1267.7	1268.4	1269.1
160°	1285.7	1284.4	1283.0	1281.7	1281.1	1281.4	1281.6	1281.8	1282.0	1282.9	1283.8
162.5°	1298.5	1297.1	1295.8	1294.5	1293.9	1294.1	1294.4	1294.6	1294.8	1296.1	1297.3
165°	1315.6	1314.3	1313.0	1311.7	1311.1	1311.3	1311.5	1311.8	1312.0	1313.3	1314.6
167.5°	1328.4	1327.0	1325.6	1324.3	1323.7	1323.9	1324.1	1324.3	1324.6	1326.2	1327.8
170°	1335.4	1333.8	1332.3	1330.7	1330.1	1330.3	1330.5	1330.7	1331.0	1332.7	1334.5
172.5°	1340.2	1338.6	1337.1	1335.5	1335.0	1335.3	1335.7	1336.1	1336.5	1338.1	1339.7
175°	1345.6	1344.3	1342.9	1341.6	1341.1	1341.3	1341.5	1341.7	1341.9	1343.7	1345.5
177.5°	1348.3	1347.2	1346.1	1345.1	1344.6	1344.8	1345.0	1345.2	1345.3	1346.6	1347.8
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1920.7	1925.7	1936.3	1932.6	1937.6	1940.1	1942.6
5°	2075.9	2100.8	2111.7	2110.2	2126.5	2122.6	2118.7
7.5°	2251.1	2277.3	2292.0	2310.2	2320.8	2321.6	2330.8
10°	2350.3	2384.6	2398.6	2418.1	2430.6	2437.6	2436.8
12.5°	2426.3	2453.2	2484.6	2494.2	2511.0	2519.9	2516.6
15°	2517.9	2560.7	2593.5	2609.8	2630.9	2637.1	2645.7
17.5°	2599.6	2657.1	2695.3	2746.1	2765.3	2777.0	2770.1
20°	2661.3	2736.9	2775.1	2835.9	2869.4	2887.4	2881.1
22.5°	2734.3	2816.1	2886.7	2939.4	2990.4	3014.6	3019.6
25°	2859.3	2971.5	3075.2	3144.6	3207.7	3222.5	3255.3
27.5°	2999.0	3131.3	3242.2	3315.2	3359.1	3375.6	3385.9
30°	3086.9	3218.6	3302.1	3348.8	3362.9	3361.3	3359.7
32.5°	3129.9	3212.4	3228.5	3215.4	3183.3	3156.1	3127.8
35°	3069.0	3007.4	2915.4	2796.9	2709.6	2621.5	2613.0
37.5°	2760.1	2563.2	2410.1	2239.1	2140.4	2079.5	2037.4
40°	2469.5	2245.8	2060.3	1916.1	1815.5	1775.8	1736.8
42.5°	2154.0	1940.2	1775.9	1655.4	1579.8	1535.7	1504.8
45°	1750.0	1561.4	1432.8	1345.5	1285.4	1251.1	1231.6
47.5°	1434.0	1294.5	1185.2	1122.2	1080.7	1054.1	1054.2
50°	1264.4	1131.1	1058.6	1008.7	972.8	951.8	955.7
52.5°	1114.1	1014.5	952.6	910.8	884.3	871.3	870.9
55°	931.5	859.8	819.3	788.9	770.9	756.1	759.3
57.5°	796.8	736.3	709.2	684.0	671.5	665.6	657.0
60°	713.3	666.5	643.1	622.8	610.4	605.7	597.1
62.5°	639.1	602.3	579.5	563.0	551.7	550.2	543.5
65°	537.1	509.0	488.8	481.0	469.3	466.2	466.2
67.5°	442.8	422.7	406.9	399.7	394.6	395.4	391.6
70°	383.5	367.2	357.0	349.2	345.3	346.1	343.0
72.5°	335.5	317.3	308.4	303.7	298.6	300.6	299.3
75°	254.1	244.8	240.1	235.4	232.3	230.7	229.2
77.5°	186.6	178.4	174.8	172.1	172.6	168.8	171.8
80°	144.2	137.2	134.9	131.0	130.2	130.2	129.4
82.5°	105.5	101.6	99.9	96.7	95.3	96.5	94.5
85°	54.6	51.4	50.7	50.7	49.1	47.6	51.4
87.5°	23.8	21.5	21.7	21.2	21.4	20.9	19.8
90°	19.3	20.4	21.3	22.0	22.6	23.3	24.0
92.5°	19.3	20.4	21.1	21.4	21.7	22.1	22.4
95°	19.3	20.4	21.0	21.0	21.0	21.0	21.0
97.5°	30.4	24.1	21.0	21.0	21.0	21.0	21.0
100°	74.6	41.5	24.5	23.6	22.7	21.9	21.0
102.5°	202.9	196.6	186.0	170.9	155.8	140.7	125.6
105°	297.5	297.5	297.4	297.2	297.0	296.8	296.5
107.5°	376.8	376.8	376.5	375.8	375.2	374.5	373.8
110°	427.3	426.7	426.5	426.7	426.9	427.1	427.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	477.9	477.1	476.5	476.2	475.9	475.6	475.3
115°	554.5	553.6	552.5	551.2	549.8	548.5	547.2
117.5°	628.2	627.0	626.1	625.6	625.0	624.4	623.8
120°	676.6	676.2	675.4	674.3	673.2	672.1	671.0
122.5°	722.2	721.7	720.8	719.6	718.3	717.0	715.7
125°	788.1	787.2	786.5	785.8	785.1	784.5	783.8
127.5°	849.2	848.7	847.7	846.0	844.4	842.8	841.1
130°	888.6	888.0	887.1	886.0	884.9	883.8	882.6
132.5°	926.2	926.0	925.4	924.3	923.2	922.1	921.0
135°	980.2	979.7	978.8	977.5	976.2	974.8	973.5
137.5°	1031.3	1031.4	1030.8	1029.7	1028.5	1027.4	1026.2
140°	1062.7	1063.1	1062.7	1061.4	1060.0	1058.7	1057.4
142.5°	1092.8	1092.9	1092.3	1090.9	1089.6	1088.3	1086.9
145°	1135.9	1136.1	1135.6	1134.3	1132.9	1131.6	1130.3
147.5°	1172.8	1173.1	1172.4	1170.8	1169.2	1167.6	1166.0
150°	1196.5	1196.9	1196.3	1194.5	1192.7	1190.9	1189.2
152.5°	1217.3	1217.7	1217.1	1215.5	1213.9	1212.3	1210.7
155°	1246.1	1246.8	1246.2	1244.4	1242.6	1240.9	1239.1
157.5°	1269.8	1270.5	1270.0	1268.2	1266.4	1264.6	1262.9
160°	1284.7	1285.6	1285.1	1283.4	1281.6	1279.8	1278.0
162.5°	1298.5	1299.8	1299.4	1297.5	1295.5	1293.6	1291.6
165°	1316.0	1317.3	1317.1	1315.3	1313.5	1311.8	1310.0
167.5°	1329.4	1331.0	1330.8	1328.8	1326.8	1324.8	1322.8
170°	1336.3	1338.1	1337.9	1335.9	1334.0	1332.0	1330.0
172.5°	1341.3	1342.9	1342.7	1340.7	1338.7	1336.7	1334.8
175°	1347.3	1349.0	1348.9	1346.9	1344.9	1342.9	1340.9
177.5°	1349.1	1350.3	1350.2	1348.8	1347.4	1346.0	1344.5
180°	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9	1346.9

(END OF REPORT)