

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: P333332

Luminaire Tested: **S125DIP-S1270D1205U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333332  
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-S1270D1205U835-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 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: 9352.4 lumens  
Efficiency: N/A  
Efficacy: 130.4 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

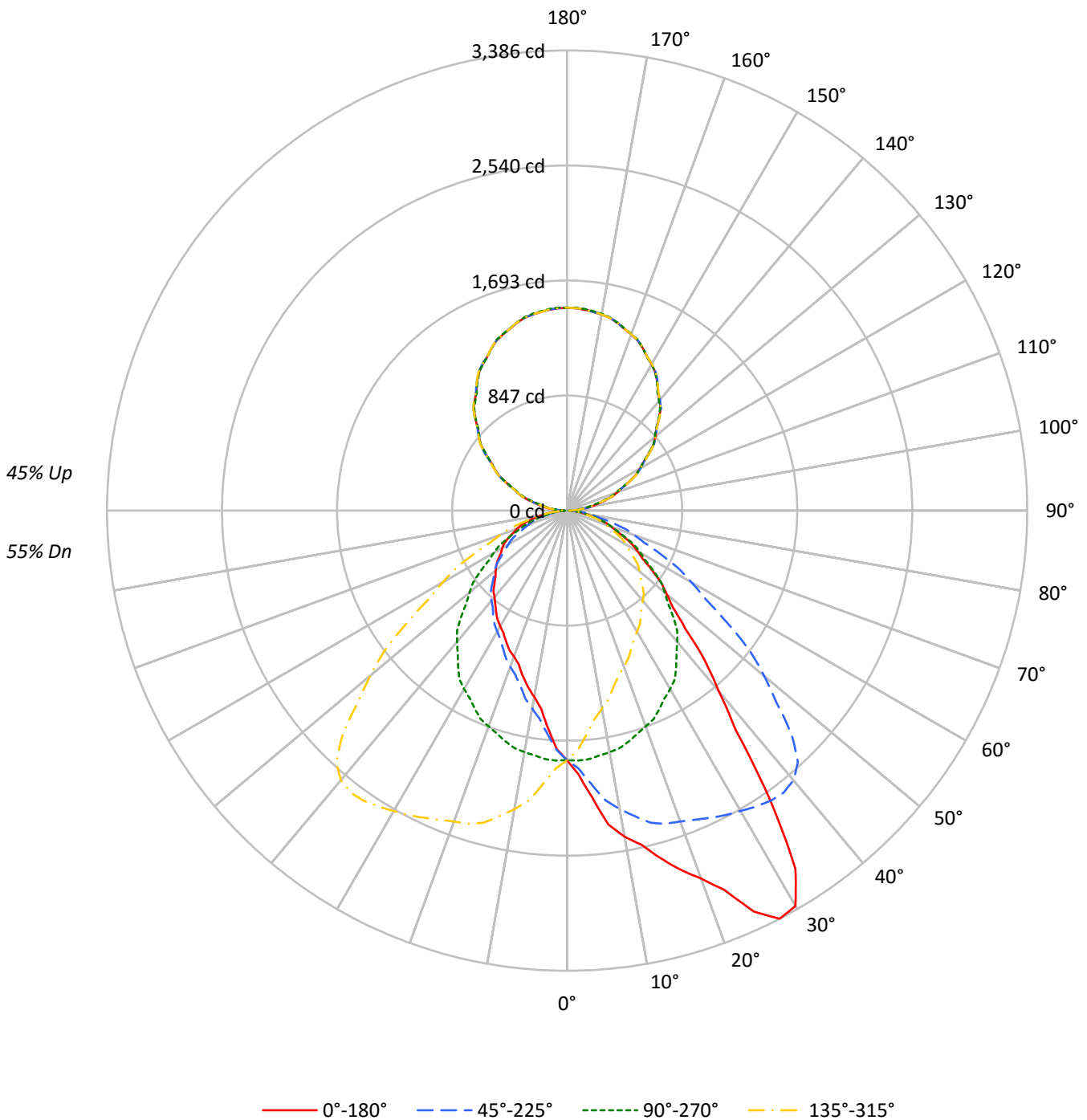
Input Watts (W): 71.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	55
1	99	95	91	88	92	88	85	82	76	74	72	65	63	62	54	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	68	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	38	35	33	29
5	70	58	50	44	64	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	59	49	42	36	43	37	33	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	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	16	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	9.1
30°-40°	1042.7	11.1
40°-50°	948.5	10.1
50°-60°	755.5	8.1
60°-70°	526.2	5.6
70°-80°	280.6	3.0
80°-90°	74.1	0.8
90°-100°	100.0	1.1
100°-110°	295.3	3.2
110°-120°	500.2	5.3
120°-130°	658.3	7.0
130°-140°	737.7	7.9
140°-150°	723.0	7.7
150°-160°	607.3	6.5
160°-170°	403.7	4.3
170°-180°	141.3	1.5
0°-30°	1558.0	16.7
0°-40°	2600.7	27.8
0°-60°	4304.7	46.0
0°-90°	5185.7	55.4
90°-120°	895.6	9.6
90°-150°	3014.6	32.2
90°-180°	4167.0	44.6
0°-180°	9352.4	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°	28	1	28	1	28	18
95°	100	76	100	76	100	102
105°	288	265	288	265	288	305
115°	506	501	506	501	506	500
125°	736	731	736	731	736	657
135°	954	951	954	951	954	736
145°	1156	1152	1156	1152	1156	722
155°	1318	1318	1318	1318	1318	606
165°	1429	1433	1429	1433	1429	403
175°	1484	1490	1484	1490	1484	141
180°	1493	1493	1493	1493	1493	



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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°	20.5	21.6	22.1	22.0	22.4	22.2	24.4	24.2	25.8	27.4	29.5
90°	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2	19.9	18.6	16.8
92.5°	54.8	54.3	53.7	53.1	52.6	51.4	49.7	48.0	46.3	44.6	42.4
95°	99.9	99.4	98.9	98.4	97.9	96.7	94.9	93.1	91.3	89.5	86.9
97.5°	151.5	151.2	150.9	150.6	150.3	149.3	147.6	145.9	144.2	142.5	138.9
100°	190.6	190.1	189.5	189.0	188.5	187.1	184.8	182.4	180.1	177.8	174.4
102.5°	229.6	228.9	228.2	227.5	226.7	225.1	222.6	220.0	217.5	215.0	213.3
105°	288.2	287.4	286.6	285.9	285.1	283.9	282.4	280.8	279.3	277.7	276.2
107.5°	348.1	348.2	348.3	348.3	348.4	348.0	347.2	346.4	345.7	344.9	343.7
110°	392.8	393.0	393.3	393.5	393.8	393.5	392.8	392.0	391.2	390.4	389.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	436.5	436.9	437.4	437.9	438.3	438.4	438.0	437.7	437.3	436.9	435.9
115°	505.5	505.7	506.0	506.3	506.5	506.8	507.0	507.3	507.6	507.8	507.3
117.5°	572.9	573.9	575.0	576.0	577.0	577.4	577.2	577.0	576.8	576.6	576.1
120°	619.4	620.4	621.4	622.5	623.5	624.0	624.0	624.0	624.0	624.0	623.8
122.5°	665.9	666.7	667.5	668.3	669.2	669.7	669.9	670.1	670.3	670.5	669.8
125°	735.6	735.8	736.1	736.4	736.6	737.0	737.5	738.0	738.5	739.1	738.8
127.5°	802.5	803.0	803.5	804.1	804.6	805.0	805.2	805.5	805.7	806.0	805.7
130°	847.1	847.6	848.2	848.7	849.2	849.6	849.8	850.1	850.4	850.6	850.1
132.5°	889.0	889.7	890.4	891.1	891.9	892.3	892.6	892.9	893.1	893.4	893.5
135°	954.0	955.1	956.1	957.1	958.2	958.7	958.7	958.7	958.7	958.7	958.4
137.5°	1017.7	1019.0	1020.3	1021.6	1022.9	1023.4	1023.1	1022.8	1022.4	1022.1	1021.6
140°	1058.6	1059.9	1061.2	1062.5	1063.8	1064.2	1063.7	1063.1	1062.6	1062.1	1061.3
142.5°	1097.7	1099.0	1100.3	1101.5	1102.8	1103.3	1103.0	1102.7	1102.4	1102.1	1101.1
145°	1156.2	1157.0	1157.8	1158.6	1159.3	1159.7	1159.7	1159.7	1159.7	1159.7	1158.9
147.5°	1206.2	1208.0	1209.7	1211.5	1213.2	1213.8	1213.2	1212.6	1211.9	1211.3	1210.7
150°	1243.4	1243.9	1244.4	1244.9	1245.5	1245.7	1245.7	1245.7	1245.7	1245.7	1244.7
152.5°	1274.1	1275.0	1275.9	1276.9	1277.8	1277.9	1277.3	1276.7	1276.1	1275.5	1275.1
155°	1317.8	1319.1	1320.3	1321.6	1322.9	1323.1	1322.0	1321.0	1320.0	1318.9	1318.7
157.5°	1354.3	1356.0	1357.7	1359.4	1361.1	1361.4	1360.4	1359.3	1358.3	1357.3	1357.0
160°	1379.4	1380.6	1381.9	1383.2	1384.5	1384.6	1383.6	1382.6	1381.5	1380.5	1380.3
162.5°	1400.7	1402.2	1403.7	1405.2	1406.7	1406.9	1405.6	1404.4	1403.1	1401.9	1401.8
165°	1429.3	1430.9	1432.4	1434.0	1435.5	1435.8	1434.7	1433.7	1432.7	1431.6	1431.4
167.5°	1452.1	1453.7	1455.3	1456.9	1458.5	1458.5	1457.0	1455.4	1453.9	1452.3	1452.3
170°	1464.2	1466.0	1467.8	1469.6	1471.4	1471.5	1470.0	1468.4	1466.9	1465.3	1465.3
172.5°	1474.4	1476.0	1477.6	1479.2	1480.8	1480.8	1479.3	1477.7	1476.2	1474.6	1474.6
175°	1483.9	1485.7	1487.6	1489.4	1491.2	1491.3	1489.7	1488.2	1486.6	1485.1	1485.1
177.5°	1489.5	1491.0	1492.4	1493.9	1495.3	1495.4	1494.2	1492.9	1491.7	1490.4	1490.6
180°	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2



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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°	30.4	28.8	26.0	23.7	20.2	17.9	16.9	17.1	15.6	15.4	16.4
90°	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2	3.2	5.3	7.4
92.5°	40.2	38.0	35.7	33.9	32.5	31.0	29.6	28.1	29.6	31.0	32.5
95°	84.3	81.7	79.1	77.6	77.1	76.6	76.0	75.5	76.0	76.6	77.1
97.5°	135.3	131.8	128.2	126.3	126.1	125.9	125.7	125.5	125.7	125.9	126.1
100°	171.1	167.7	164.4	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
102.5°	211.6	209.9	208.2	206.8	205.8	204.7	203.7	202.7	203.7	204.7	205.8
105°	274.6	273.1	271.5	270.1	268.8	267.5	266.2	264.9	266.2	267.5	268.8
107.5°	342.5	341.3	340.1	338.9	337.6	336.3	335.0	333.7	335.0	336.3	337.6
110°	388.9	388.1	387.3	386.3	385.0	383.7	382.4	381.2	382.4	383.7	385.0





TEST NUMBER: P333332

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	435.0	434.0	433.0	432.2	431.5	430.8	430.2	429.5	430.2	430.8	431.5
115°	506.8	506.3	505.7	505.0	503.9	502.9	501.9	500.8	501.9	502.9	503.9
117.5°	575.7	575.2	574.7	574.3	573.8	573.4	572.9	572.4	572.9	573.4	573.8
120°	623.5	623.2	623.0	622.2	620.9	619.6	618.3	617.0	618.3	619.6	620.9
122.5°	669.2	668.5	667.8	667.2	666.8	666.3	665.9	665.4	665.9	666.3	666.8
125°	738.5	738.3	738.0	737.1	735.6	734.0	732.5	730.9	732.5	734.0	735.6
127.5°	805.4	805.1	804.8	804.2	803.3	802.4	801.5	800.7	801.5	802.4	803.3
130°	849.6	849.1	848.6	847.6	846.4	845.1	843.8	842.5	843.8	845.1	846.4
132.5°	893.6	893.7	893.8	892.8	890.7	888.6	886.4	884.3	886.4	888.6	890.7
135°	958.2	957.9	957.7	956.8	955.2	953.7	952.1	950.6	952.1	953.7	955.2
137.5°	1021.0	1020.4	1019.9	1018.8	1017.3	1015.8	1014.3	1012.8	1014.3	1015.8	1017.3
140°	1060.6	1059.8	1059.0	1058.0	1056.7	1055.4	1054.1	1052.8	1054.1	1055.4	1056.7
142.5°	1100.1	1099.1	1098.2	1097.1	1096.0	1095.0	1093.9	1092.8	1093.9	1095.0	1096.0
145°	1158.2	1157.4	1156.6	1155.7	1154.7	1153.7	1152.6	1151.6	1152.6	1153.7	1154.7
147.5°	1210.1	1209.5	1208.8	1208.2	1207.7	1207.1	1206.5	1206.0	1206.5	1207.1	1207.7
150°	1243.6	1242.6	1241.6	1241.2	1241.5	1241.7	1242.0	1242.2	1242.0	1241.7	1241.5
152.5°	1274.6	1274.2	1273.8	1273.4	1273.1	1272.7	1272.3	1272.0	1272.3	1272.7	1273.1
155°	1318.4	1318.2	1317.9	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8	1317.8
157.5°	1356.8	1356.5	1356.2	1356.4	1357.0	1357.5	1358.1	1358.7	1358.1	1357.5	1357.0
160°	1380.0	1379.7	1379.5	1379.7	1380.5	1381.3	1382.1	1382.8	1382.1	1381.3	1380.5
162.5°	1401.8	1401.7	1401.7	1401.9	1402.5	1403.1	1403.7	1404.2	1403.7	1403.1	1402.5
165°	1431.1	1430.9	1430.6	1430.7	1431.3	1431.8	1432.3	1432.8	1432.3	1431.8	1431.3
167.5°	1452.3	1452.3	1452.3	1452.8	1453.9	1454.9	1455.9	1457.0	1455.9	1454.9	1453.9
170°	1465.3	1465.3	1465.3	1465.9	1466.9	1467.9	1469.0	1470.0	1469.0	1467.9	1466.9
172.5°	1474.6	1474.6	1474.6	1475.2	1476.2	1477.2	1478.3	1479.3	1478.3	1477.2	1476.2
175°	1485.1	1485.1	1485.1	1485.6	1486.6	1487.7	1488.7	1489.7	1488.7	1487.7	1486.6
177.5°	1490.9	1491.1	1491.3	1491.8	1492.6	1493.4	1494.3	1495.1	1494.3	1493.4	1492.6
180°	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2



TEST NUMBER: P333332

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-A1

**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°	17.5	19.1	18.8	19.8	20.2	21.8	21.4	24.2	25.7	27.2	26.8
90°	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2	22.5	23.8	24.8
92.5°	33.9	35.7	38.0	40.2	42.4	44.6	46.3	48.0	49.7	51.4	52.6
95°	77.6	79.1	81.7	84.3	86.9	89.5	91.3	93.1	94.9	96.7	97.9
97.5°	126.3	128.2	131.8	135.3	138.9	142.5	144.2	145.9	147.6	149.3	150.3
100°	162.7	164.4	167.7	171.1	174.4	177.8	180.1	182.4	184.8	187.1	188.5
102.5°	206.8	208.2	209.9	211.6	213.3	215.0	217.5	220.0	222.6	225.1	226.7
105°	270.1	271.5	273.1	274.6	276.2	277.7	279.3	280.8	282.4	283.9	285.1
107.5°	338.9	340.1	341.3	342.5	343.7	344.9	345.7	346.4	347.2	348.0	348.4
110°	386.3	387.3	388.1	388.9	389.7	390.4	391.2	392.0	392.8	393.5	393.8



TEST NUMBER: P333332

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	432.2	433.0	434.0	435.0	435.9	436.9	437.3	437.7	438.0	438.4	438.3
115°	505.0	505.7	506.3	506.8	507.3	507.8	507.6	507.3	507.0	506.8	506.5
117.5°	574.3	574.7	575.2	575.7	576.1	576.6	576.8	577.0	577.2	577.4	577.0
120°	622.2	623.0	623.2	623.5	623.8	624.0	624.0	624.0	624.0	624.0	623.5
122.5°	667.2	667.8	668.5	669.2	669.8	670.5	670.3	670.1	669.9	669.7	669.2
125°	737.1	738.0	738.3	738.5	738.8	739.1	738.5	738.0	737.5	737.0	736.6
127.5°	804.2	804.8	805.1	805.4	805.7	806.0	805.7	805.5	805.2	805.0	804.6
130°	847.6	848.6	849.1	849.6	850.1	850.6	850.4	850.1	849.8	849.6	849.2
132.5°	892.8	893.8	893.7	893.6	893.5	893.4	893.1	892.9	892.6	892.3	891.9
135°	956.8	957.7	957.9	958.2	958.4	958.7	958.7	958.7	958.7	958.7	958.2
137.5°	1018.8	1019.9	1020.4	1021.0	1021.6	1022.1	1022.4	1022.8	1023.1	1023.4	1022.9
140°	1058.0	1059.0	1059.8	1060.6	1061.3	1062.1	1062.6	1063.1	1063.7	1064.2	1063.8
142.5°	1097.1	1098.2	1099.1	1100.1	1101.1	1102.1	1102.4	1102.7	1103.0	1103.3	1102.8
145°	1155.7	1156.6	1157.4	1158.2	1158.9	1159.7	1159.7	1159.7	1159.7	1159.7	1159.3
147.5°	1208.2	1208.8	1209.5	1210.1	1210.7	1211.3	1211.9	1212.6	1213.2	1213.8	1213.2
150°	1241.2	1241.6	1242.6	1243.6	1244.7	1245.7	1245.7	1245.7	1245.7	1245.7	1245.5
152.5°	1273.4	1273.8	1274.2	1274.6	1275.1	1275.5	1276.1	1276.7	1277.3	1277.9	1277.8
155°	1317.8	1317.9	1318.2	1318.4	1318.7	1318.9	1320.0	1321.0	1322.0	1323.1	1322.9
157.5°	1356.4	1356.2	1356.5	1356.8	1357.0	1357.3	1358.3	1359.3	1360.4	1361.4	1361.1
160°	1379.7	1379.5	1379.7	1380.0	1380.3	1380.5	1381.5	1382.6	1383.6	1384.6	1384.5
162.5°	1401.9	1401.7	1401.7	1401.8	1401.8	1401.9	1403.1	1404.4	1405.6	1406.9	1406.7
165°	1430.7	1430.6	1430.9	1431.1	1431.4	1431.6	1432.7	1433.7	1434.7	1435.8	1435.5
167.5°	1452.8	1452.3	1452.3	1452.3	1452.3	1452.3	1453.9	1455.4	1457.0	1458.5	1458.5
170°	1465.9	1465.3	1465.3	1465.3	1465.3	1465.3	1466.9	1468.4	1470.0	1471.5	1471.4
172.5°	1475.2	1474.6	1474.6	1474.6	1474.6	1474.6	1476.2	1477.7	1479.3	1480.8	1480.8
175°	1485.6	1485.1	1485.1	1485.1	1485.1	1485.1	1486.6	1488.2	1489.7	1491.3	1491.2
177.5°	1491.8	1491.3	1491.1	1490.9	1490.6	1490.4	1491.7	1492.9	1494.2	1495.4	1495.3
180°	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2



TEST NUMBER: P333332

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-A1

**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°	28.2	27.7	27.9	29.3	27.9	27.7	28.2	26.8	27.2	25.7	24.2
90°	25.6	26.3	27.1	27.9	27.1	26.3	25.6	24.8	23.8	22.5	21.2
92.5°	53.1	53.7	54.3	54.8	54.3	53.7	53.1	52.6	51.4	49.7	48.0
95°	98.4	98.9	99.4	99.9	99.4	98.9	98.4	97.9	96.7	94.9	93.1
97.5°	150.6	150.9	151.2	151.5	151.2	150.9	150.6	150.3	149.3	147.6	145.9
100°	189.0	189.5	190.1	190.6	190.1	189.5	189.0	188.5	187.1	184.8	182.4
102.5°	227.5	228.2	228.9	229.6	228.9	228.2	227.5	226.7	225.1	222.6	220.0
105°	285.9	286.6	287.4	288.2	287.4	286.6	285.9	285.1	283.9	282.4	280.8
107.5°	348.3	348.3	348.2	348.1	348.2	348.3	348.3	348.4	348.0	347.2	346.4
110°	393.5	393.3	393.0	392.8	393.0	393.3	393.5	393.8	393.5	392.8	392.0



TEST NUMBER: P333332

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	437.9	437.4	436.9	436.5	436.9	437.4	437.9	438.3	438.4	438.0	437.7
115°	506.3	506.0	505.7	505.5	505.7	506.0	506.3	506.5	506.8	507.0	507.3
117.5°	576.0	575.0	573.9	572.9	573.9	575.0	576.0	577.0	577.4	577.2	577.0
120°	622.5	621.4	620.4	619.4	620.4	621.4	622.5	623.5	624.0	624.0	624.0
122.5°	668.3	667.5	666.7	665.9	666.7	667.5	668.3	669.2	669.7	669.9	670.1
125°	736.4	736.1	735.8	735.6	735.8	736.1	736.4	736.6	737.0	737.5	738.0
127.5°	804.1	803.5	803.0	802.5	803.0	803.5	804.1	804.6	805.0	805.2	805.5
130°	848.7	848.2	847.6	847.1	847.6	848.2	848.7	849.2	849.6	849.8	850.1
132.5°	891.1	890.4	889.7	889.0	889.7	890.4	891.1	891.9	892.3	892.6	892.9
135°	957.1	956.1	955.1	954.0	955.1	956.1	957.1	958.2	958.7	958.7	958.7
137.5°	1021.6	1020.3	1019.0	1017.7	1019.0	1020.3	1021.6	1022.9	1023.4	1023.1	1022.8
140°	1062.5	1061.2	1059.9	1058.6	1059.9	1061.2	1062.5	1063.8	1064.2	1063.7	1063.1
142.5°	1101.5	1100.3	1099.0	1097.7	1099.0	1100.3	1101.5	1102.8	1103.3	1103.0	1102.7
145°	1158.6	1157.8	1157.0	1156.2	1157.0	1157.8	1158.6	1159.3	1159.7	1159.7	1159.7
147.5°	1211.5	1209.7	1208.0	1206.2	1208.0	1209.7	1211.5	1213.2	1213.8	1213.2	1212.6
150°	1244.9	1244.4	1243.9	1243.4	1243.9	1244.4	1244.9	1245.5	1245.7	1245.7	1245.7
152.5°	1276.9	1275.9	1275.0	1274.1	1275.0	1275.9	1276.9	1277.8	1277.9	1277.3	1276.7
155°	1321.6	1320.3	1319.1	1317.8	1319.1	1320.3	1321.6	1322.9	1323.1	1322.0	1321.0
157.5°	1359.4	1357.7	1356.0	1354.3	1356.0	1357.7	1359.4	1361.1	1361.4	1360.4	1359.3
160°	1383.2	1381.9	1380.6	1379.4	1380.6	1381.9	1383.2	1384.5	1384.6	1383.6	1382.6
162.5°	1405.2	1403.7	1402.2	1400.7	1402.2	1403.7	1405.2	1406.7	1406.9	1405.6	1404.4
165°	1434.0	1432.4	1430.9	1429.3	1430.9	1432.4	1434.0	1435.5	1435.8	1434.7	1433.7
167.5°	1456.9	1455.3	1453.7	1452.1	1453.7	1455.3	1456.9	1458.5	1458.5	1457.0	1455.4
170°	1469.6	1467.8	1466.0	1464.2	1466.0	1467.8	1469.6	1471.4	1471.5	1470.0	1468.4
172.5°	1479.2	1477.6	1476.0	1474.4	1476.0	1477.6	1479.2	1480.8	1480.8	1479.3	1477.7
175°	1489.4	1487.6	1485.7	1483.9	1485.7	1487.6	1489.4	1491.2	1491.3	1489.7	1488.2
177.5°	1493.9	1492.4	1491.0	1489.5	1491.0	1492.4	1493.9	1495.3	1495.4	1494.2	1492.9
180°	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2



TEST NUMBER: P333332

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**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°	21.4	21.8	20.2	19.8	18.8	19.1	17.5	16.4	15.4	15.6	17.1
90°	19.9	18.6	16.8	15.0	13.2	11.4	9.4	7.4	5.3	3.2	1.2
92.5°	46.3	44.6	42.4	40.2	38.0	35.7	33.9	32.5	31.0	29.6	28.1
95°	91.3	89.5	86.9	84.3	81.7	79.1	77.6	77.1	76.6	76.0	75.5
97.5°	144.2	142.5	138.9	135.3	131.8	128.2	126.3	126.1	125.9	125.7	125.5
100°	180.1	177.8	174.4	171.1	167.7	164.4	162.7	162.7	162.7	162.7	162.7
102.5°	217.5	215.0	213.3	211.6	209.9	208.2	206.8	205.8	204.7	203.7	202.7
105°	279.3	277.7	276.2	274.6	273.1	271.5	270.1	268.8	267.5	266.2	264.9
107.5°	345.7	344.9	343.7	342.5	341.3	340.1	338.9	337.6	336.3	335.0	333.7
110°	391.2	390.4	389.7	388.9	388.1	387.3	386.3	385.0	383.7	382.4	381.2



TEST NUMBER: P333332

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	437.3	436.9	435.9	435.0	434.0	433.0	432.2	431.5	430.8	430.2	429.5
115°	507.6	507.8	507.3	506.8	506.3	505.7	505.0	503.9	502.9	501.9	500.8
117.5°	576.8	576.6	576.1	575.7	575.2	574.7	574.3	573.8	573.4	572.9	572.4
120°	624.0	624.0	623.8	623.5	623.2	623.0	622.2	620.9	619.6	618.3	617.0
122.5°	670.3	670.5	669.8	669.2	668.5	667.8	667.2	666.8	666.3	665.9	665.4
125°	738.5	739.1	738.8	738.5	738.3	738.0	737.1	735.6	734.0	732.5	730.9
127.5°	805.7	806.0	805.7	805.4	805.1	804.8	804.2	803.3	802.4	801.5	800.7
130°	850.4	850.6	850.1	849.6	849.1	848.6	847.6	846.4	845.1	843.8	842.5
132.5°	893.1	893.4	893.5	893.6	893.7	893.8	892.8	890.7	888.6	886.4	884.3
135°	958.7	958.7	958.4	958.2	957.9	957.7	956.8	955.2	953.7	952.1	950.6
137.5°	1022.4	1022.1	1021.6	1021.0	1020.4	1019.9	1018.8	1017.3	1015.8	1014.3	1012.8
140°	1062.6	1062.1	1061.3	1060.6	1059.8	1059.0	1058.0	1056.7	1055.4	1054.1	1052.8
142.5°	1102.4	1102.1	1101.1	1100.1	1099.1	1098.2	1097.1	1096.0	1095.0	1093.9	1092.8
145°	1159.7	1159.7	1158.9	1158.2	1157.4	1156.6	1155.7	1154.7	1153.7	1152.6	1151.6
147.5°	1211.9	1211.3	1210.7	1210.1	1209.5	1208.8	1208.2	1207.7	1207.1	1206.5	1206.0
150°	1245.7	1245.7	1244.7	1243.6	1242.6	1241.6	1241.2	1241.5	1241.7	1242.0	1242.2
152.5°	1276.1	1275.5	1275.1	1274.6	1274.2	1273.8	1273.4	1273.1	1272.7	1272.3	1272.0
155°	1320.0	1318.9	1318.7	1318.4	1318.2	1317.9	1317.8	1317.8	1317.8	1317.8	1317.8
157.5°	1358.3	1357.3	1357.0	1356.8	1356.5	1356.2	1356.4	1357.0	1357.5	1358.1	1358.7
160°	1381.5	1380.5	1380.3	1380.0	1379.7	1379.5	1379.7	1380.5	1381.3	1382.1	1382.8
162.5°	1403.1	1401.9	1401.8	1401.8	1401.7	1401.7	1401.9	1402.5	1403.1	1403.7	1404.2
165°	1432.7	1431.6	1431.4	1431.1	1430.9	1430.6	1430.7	1431.3	1431.8	1432.3	1432.8
167.5°	1453.9	1452.3	1452.3	1452.3	1452.3	1452.3	1452.8	1453.9	1454.9	1455.9	1457.0
170°	1466.9	1465.3	1465.3	1465.3	1465.3	1465.3	1465.9	1466.9	1467.9	1469.0	1470.0
172.5°	1476.2	1474.6	1474.6	1474.6	1474.6	1474.6	1475.2	1476.2	1477.2	1478.3	1479.3
175°	1486.6	1485.1	1485.1	1485.1	1485.1	1485.1	1485.6	1486.6	1487.7	1488.7	1489.7
177.5°	1491.7	1490.4	1490.6	1490.9	1491.1	1491.3	1491.8	1492.6	1493.4	1494.3	1495.1
180°	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2



TEST NUMBER: P333332

CATALOG NUMBER: S125DIP-S1270D1205U835-4F0-1E-UDD-A1

**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°	16.9	17.9	20.2	23.7	26.0	28.8	30.4	29.5	27.4	25.8	24.2
90°	3.2	5.3	7.4	9.4	11.4	13.2	15.0	16.8	18.6	19.9	21.2
92.5°	29.6	31.0	32.5	33.9	35.7	38.0	40.2	42.4	44.6	46.3	48.0
95°	76.0	76.6	77.1	77.6	79.1	81.7	84.3	86.9	89.5	91.3	93.1
97.5°	125.7	125.9	126.1	126.3	128.2	131.8	135.3	138.9	142.5	144.2	145.9
100°	162.7	162.7	162.7	162.7	164.4	167.7	171.1	174.4	177.8	180.1	182.4
102.5°	203.7	204.7	205.8	206.8	208.2	209.9	211.6	213.3	215.0	217.5	220.0
105°	266.2	267.5	268.8	270.1	271.5	273.1	274.6	276.2	277.7	279.3	280.8
107.5°	335.0	336.3	337.6	338.9	340.1	341.3	342.5	343.7	344.9	345.7	346.4
110°	382.4	383.7	385.0	386.3	387.3	388.1	388.9	389.7	390.4	391.2	392.0





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	430.2	430.8	431.5	432.2	433.0	434.0	435.0	435.9	436.9	437.3	437.7
115°	501.9	502.9	503.9	505.0	505.7	506.3	506.8	507.3	507.8	507.6	507.3
117.5°	572.9	573.4	573.8	574.3	574.7	575.2	575.7	576.1	576.6	576.8	577.0
120°	618.3	619.6	620.9	622.2	623.0	623.2	623.5	623.8	624.0	624.0	624.0
122.5°	665.9	666.3	666.8	667.2	667.8	668.5	669.2	669.8	670.5	670.3	670.1
125°	732.5	734.0	735.6	737.1	738.0	738.3	738.5	738.8	739.1	738.5	738.0
127.5°	801.5	802.4	803.3	804.2	804.8	805.1	805.4	805.7	806.0	805.7	805.5
130°	843.8	845.1	846.4	847.6	848.6	849.1	849.6	850.1	850.6	850.4	850.1
132.5°	886.4	888.6	890.7	892.8	893.8	893.7	893.6	893.5	893.4	893.1	892.9
135°	952.1	953.7	955.2	956.8	957.7	957.9	958.2	958.4	958.7	958.7	958.7
137.5°	1014.3	1015.8	1017.3	1018.8	1019.9	1020.4	1021.0	1021.6	1022.1	1022.4	1022.8
140°	1054.1	1055.4	1056.7	1058.0	1059.0	1059.8	1060.6	1061.3	1062.1	1062.6	1063.1
142.5°	1093.9	1095.0	1096.0	1097.1	1098.2	1099.1	1100.1	1101.1	1102.1	1102.4	1102.7
145°	1152.6	1153.7	1154.7	1155.7	1156.6	1157.4	1158.2	1158.9	1159.7	1159.7	1159.7
147.5°	1206.5	1207.1	1207.7	1208.2	1208.8	1209.5	1210.1	1210.7	1211.3	1211.9	1212.6
150°	1242.0	1241.7	1241.5	1241.2	1241.6	1242.6	1243.6	1244.7	1245.7	1245.7	1245.7
152.5°	1272.3	1272.7	1273.1	1273.4	1273.8	1274.2	1274.6	1275.1	1275.5	1276.1	1276.7
155°	1317.8	1317.8	1317.8	1317.8	1317.9	1318.2	1318.4	1318.7	1318.9	1320.0	1321.0
157.5°	1358.1	1357.5	1357.0	1356.4	1356.2	1356.5	1356.8	1357.0	1357.3	1358.3	1359.3
160°	1382.1	1381.3	1380.5	1379.7	1379.5	1379.7	1380.0	1380.3	1380.5	1381.5	1382.6
162.5°	1403.7	1403.1	1402.5	1401.9	1401.7	1401.7	1401.8	1401.8	1401.9	1403.1	1404.4
165°	1432.3	1431.8	1431.3	1430.7	1430.6	1430.9	1431.1	1431.4	1431.6	1432.7	1433.7
167.5°	1455.9	1454.9	1453.9	1452.8	1452.3	1452.3	1452.3	1452.3	1452.3	1453.9	1455.4
170°	1469.0	1467.9	1466.9	1465.9	1465.3	1465.3	1465.3	1465.3	1465.3	1466.9	1468.4
172.5°	1478.3	1477.2	1476.2	1475.2	1474.6	1474.6	1474.6	1474.6	1474.6	1476.2	1477.7
175°	1488.7	1487.7	1486.6	1485.6	1485.1	1485.1	1485.1	1485.1	1485.1	1486.6	1488.2
177.5°	1494.3	1493.4	1492.6	1491.8	1491.3	1491.1	1490.9	1490.6	1490.4	1491.7	1492.9
180°	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2



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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°	24.4	22.2	22.4	22.0	22.1	21.6	20.5
90°	22.5	23.8	24.8	25.6	26.3	27.1	27.9
92.5°	49.7	51.4	52.6	53.1	53.7	54.3	54.8
95°	94.9	96.7	97.9	98.4	98.9	99.4	99.9
97.5°	147.6	149.3	150.3	150.6	150.9	151.2	151.5
100°	184.8	187.1	188.5	189.0	189.5	190.1	190.6
102.5°	222.6	225.1	226.7	227.5	228.2	228.9	229.6
105°	282.4	283.9	285.1	285.9	286.6	287.4	288.2
107.5°	347.2	348.0	348.4	348.3	348.3	348.2	348.1
110°	392.8	393.5	393.8	393.5	393.3	393.0	392.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	438.0	438.4	438.3	437.9	437.4	436.9	436.5
115°	507.0	506.8	506.5	506.3	506.0	505.7	505.5
117.5°	577.2	577.4	577.0	576.0	575.0	573.9	572.9
120°	624.0	624.0	623.5	622.5	621.4	620.4	619.4
122.5°	669.9	669.7	669.2	668.3	667.5	666.7	665.9
125°	737.5	737.0	736.6	736.4	736.1	735.8	735.6
127.5°	805.2	805.0	804.6	804.1	803.5	803.0	802.5
130°	849.8	849.6	849.2	848.7	848.2	847.6	847.1
132.5°	892.6	892.3	891.9	891.1	890.4	889.7	889.0
135°	958.7	958.7	958.2	957.1	956.1	955.1	954.0
137.5°	1023.1	1023.4	1022.9	1021.6	1020.3	1019.0	1017.7
140°	1063.7	1064.2	1063.8	1062.5	1061.2	1059.9	1058.6
142.5°	1103.0	1103.3	1102.8	1101.5	1100.3	1099.0	1097.7
145°	1159.7	1159.7	1159.3	1158.6	1157.8	1157.0	1156.2
147.5°	1213.2	1213.8	1213.2	1211.5	1209.7	1208.0	1206.2
150°	1245.7	1245.7	1245.5	1244.9	1244.4	1243.9	1243.4
152.5°	1277.3	1277.9	1277.8	1276.9	1275.9	1275.0	1274.1
155°	1322.0	1323.1	1322.9	1321.6	1320.3	1319.1	1317.8
157.5°	1360.4	1361.4	1361.1	1359.4	1357.7	1356.0	1354.3
160°	1383.6	1384.6	1384.5	1383.2	1381.9	1380.6	1379.4
162.5°	1405.6	1406.9	1406.7	1405.2	1403.7	1402.2	1400.7
165°	1434.7	1435.8	1435.5	1434.0	1432.4	1430.9	1429.3
167.5°	1457.0	1458.5	1458.5	1456.9	1455.3	1453.7	1452.1
170°	1470.0	1471.5	1471.4	1469.6	1467.8	1466.0	1464.2
172.5°	1479.3	1480.8	1480.8	1479.2	1477.6	1476.0	1474.4
175°	1489.7	1491.3	1491.2	1489.4	1487.6	1485.7	1483.9
177.5°	1494.2	1495.4	1495.3	1493.9	1492.4	1491.0	1489.5
180°	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2	1493.2

(END OF REPORT)