

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: P333332-935

Luminaire Tested: **S125DIP-S1270D1205U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333332-935
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-S1270D1205U935-4F0-1E-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: 8052.5 lumens
Efficiency: N/A
Efficacy: 112.3 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

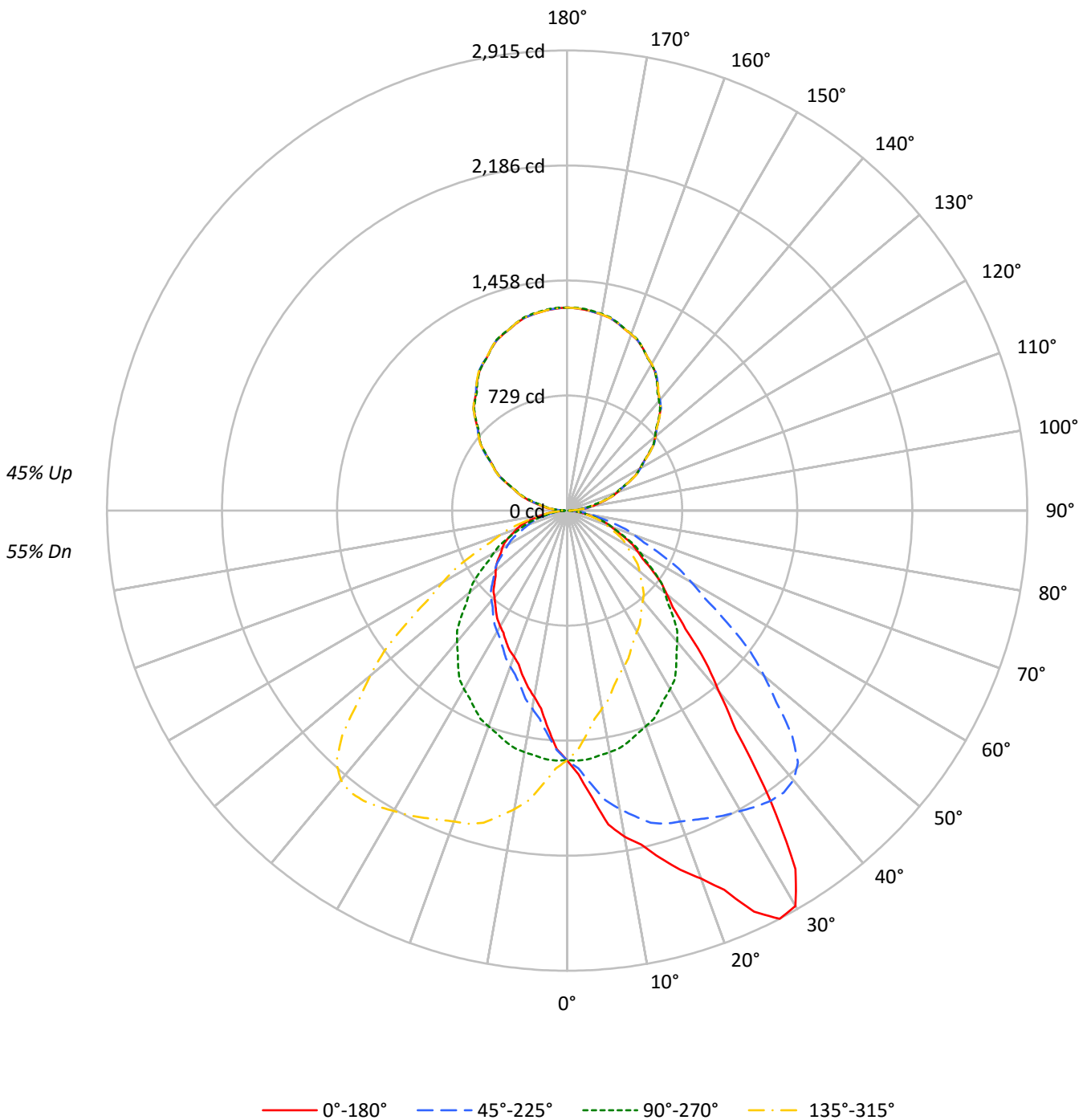
Input Watts (W): 71.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10213	10213	10213	10213
5°	11826	10247	8972	10247
10°	13759	10194	7861	10194
15°	15230	10120	7252	10120
20°	17049	10001	6763	10001
25°	19973	9867	6524	9867
30°	21572	9735	6317	9735
35°	17738	9488	6180	9488
40°	12607	9144	6032	9144
45°	9685	8680	5946	8680
50°	8268	8106	5934	8106
55°	7362	7543	5986	7543
60°	6640	6926	6138	6926
65°	6134	6308	6298	6308
70°	5576	5665	6388	5665
75°	4923	4991	6331	4991
80°	4143	4069	5791	4069
85°	3283	2934	4676	2934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	1.9
10°-20°	453.2	5.6
20°-30°	736.0	9.1
30°-40°	897.7	11.1
40°-50°	816.7	10.1
50°-60°	650.5	8.1
60°-70°	453.1	5.6
70°-80°	241.6	3.0
80°-90°	63.8	0.8
90°-100°	86.1	1.1
100°-110°	254.3	3.2
110°-120°	430.7	5.3
120°-130°	566.8	7.0
130°-140°	635.1	7.9
140°-150°	622.5	7.7
150°-160°	522.8	6.5
160°-170°	347.5	4.3
170°-180°	121.6	1.5
0°-30°	1341.4	16.7
0°-40°	2239.2	27.8
0°-60°	3706.4	46.0
0°-90°	4464.9	55.4
90°-120°	771.1	9.6
90°-150°	2595.6	32.2
90°-180°	3588.0	44.6
0°-180°	8052.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1581	1581	1581	1581	1581	
5°	1824	1581	1384	1581	1824	184
15°	2278	1514	1085	1514	2278	652
25°	2803	1385	916	1385	2803	1280
35°	2250	1203	784	1203	2250	1377
45°	1060	950	651	950	1060	849
55°	654	670	532	670	654	589
65°	401	413	412	413	401	398
75°	197	200	254	200	197	212
85°	44	40	63	40	44	52
90°	24	1	24	1	24	15
95°	86	65	86	65	86	88
105°	248	228	248	228	248	263
115°	435	431	435	431	435	430
125°	633	629	633	629	633	565
135°	821	818	821	818	821	634
145°	996	992	996	992	996	621
155°	1135	1135	1135	1135	1135	522
165°	1231	1234	1231	1234	1231	347
175°	1278	1283	1278	1283	1278	121
180°	1286	1286	1286	1286	1286	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1672.6	1670.4	1668.3	1664.0	1667.2	1658.0	1653.7	1646.2	1637.1	1633.9	1630.1
5°	1824.2	1827.6	1830.9	1816.9	1818.2	1808.8	1787.3	1769.9	1755.8	1737.7	1724.9
7.5°	2006.8	1998.9	1998.2	1989.1	1973.4	1960.8	1938.2	1909.4	1881.7	1850.0	1823.9
10°	2098.1	2098.8	2092.7	2082.0	2065.2	2053.1	2023.6	1995.4	1961.2	1920.9	1892.0
12.5°	2166.8	2169.6	2162.0	2147.5	2139.2	2112.2	2089.0	2055.6	2014.8	1982.6	1938.7
15°	2277.9	2270.5	2265.2	2247.0	2233.0	2204.8	2167.9	2133.0	2088.7	2047.7	2006.8
17.5°	2385.1	2391.0	2380.9	2364.4	2320.7	2287.8	2238.3	2190.4	2135.3	2080.3	2031.5
20°	2480.6	2486.1	2470.6	2441.7	2389.4	2356.5	2291.4	2229.6	2165.8	2095.4	2041.7
22.5°	2599.9	2595.6	2574.7	2530.8	2485.4	2424.7	2354.2	2279.0	2199.2	2119.5	2048.1
25°	2802.8	2774.6	2761.8	2707.5	2647.7	2558.5	2461.9	2351.7	2252.5	2147.1	2055.8
27.5°	2915.3	2906.4	2892.2	2854.4	2791.5	2696.0	2582.1	2448.0	2307.9	2174.9	2055.4
30°	2892.7	2894.1	2895.5	2883.3	2843.1	2771.2	2657.8	2513.5	2347.1	2197.4	2059.2
32.5°	2693.0	2717.4	2740.8	2768.5	2779.7	2765.9	2694.8	2564.6	2393.2	2223.2	2057.0
35°	2249.8	2257.1	2333.0	2408.1	2510.2	2589.4	2642.4	2584.6	2440.3	2245.1	2054.4
37.5°	1754.2	1790.4	1842.9	1927.9	2075.1	2206.9	2376.4	2454.5	2407.9	2252.2	2049.8
40°	1495.4	1529.0	1563.1	1649.8	1773.9	1933.6	2126.2	2290.7	2328.9	2229.6	2033.7
42.5°	1295.6	1322.2	1360.2	1425.3	1529.0	1670.5	1854.6	2069.5	2201.7	2164.1	1999.8
45°	1060.4	1077.2	1106.7	1158.5	1233.6	1344.4	1506.8	1741.7	1946.4	2014.1	1919.5
47.5°	907.7	907.6	930.5	966.2	1020.5	1114.6	1234.7	1418.8	1637.4	1799.1	1791.7
50°	822.9	819.5	837.6	868.5	911.5	973.9	1088.6	1235.6	1445.7	1628.9	1679.9
52.5°	749.8	750.2	761.4	784.2	820.2	873.5	959.2	1091.7	1271.2	1459.2	1555.4
55°	653.8	651.0	663.7	679.2	705.4	740.3	802.0	903.4	1049.0	1234.2	1359.1
57.5°	565.7	573.1	578.2	588.9	610.6	634.0	686.0	760.4	876.0	1034.9	1166.9
60°	514.1	521.5	525.6	536.2	553.7	573.9	614.2	674.5	771.9	908.8	1039.7
62.5°	468.0	473.7	475.0	484.7	498.9	518.6	550.3	601.0	677.9	797.6	925.8
65°	401.4	401.4	404.1	414.1	420.9	438.2	462.4	499.4	561.1	654.4	763.8
67.5°	337.2	340.4	339.8	344.1	350.3	363.9	381.3	411.7	457.4	525.6	613.0
70°	295.3	298.0	297.3	300.7	307.4	316.2	330.2	359.0	391.9	450.4	525.6
72.5°	257.7	258.8	257.1	261.5	265.5	273.2	288.9	304.3	335.0	384.4	446.1
75°	197.3	198.6	200.0	202.7	206.7	210.8	218.8	234.3	254.3	291.3	330.9
77.5°	147.9	145.3	148.6	148.2	150.5	153.6	160.7	168.8	185.4	208.7	239.4
80°	111.4	112.1	112.1	112.8	116.1	118.1	124.2	130.2	142.9	160.4	181.9
82.5°	81.4	83.1	82.1	83.3	86.0	87.5	90.8	95.8	103.2	116.9	132.5
85°	44.3	41.0	42.3	43.7	43.7	44.3	47.0	49.0	53.0	58.4	64.4
87.5°	17.7	18.6	19.0	18.9	19.3	19.1	21.0	20.8	22.2	23.6	25.4
90°	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3	17.1	16.0	14.5
92.5°	47.2	46.8	46.2	45.7	45.3	44.3	42.8	41.3	39.9	38.4	36.5
95°	86.0	85.6	85.2	84.7	84.3	83.3	81.7	80.2	78.6	77.1	74.8
97.5°	130.4	130.2	129.9	129.7	129.4	128.5	127.1	125.6	124.2	122.7	119.6
100°	164.1	163.7	163.2	162.7	162.3	161.1	159.1	157.0	155.1	153.1	150.2
102.5°	197.7	197.1	196.5	195.9	195.2	193.8	191.7	189.4	187.3	185.1	183.7
105°	248.1	247.5	246.8	246.2	245.5	244.4	243.1	241.8	240.5	239.1	237.8
107.5°	299.7	299.8	299.9	299.9	300.0	299.6	298.9	298.3	297.6	297.0	295.9
110°	338.2	338.4	338.6	338.8	339.1	338.8	338.2	337.5	336.8	336.1	335.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	375.8	376.2	376.6	377.0	377.4	377.5	377.1	376.9	376.5	376.2	375.3
115°	435.2	435.4	435.7	435.9	436.1	436.4	436.5	436.8	437.0	437.2	436.8
117.5°	493.3	494.1	495.1	495.9	496.8	497.1	497.0	496.8	496.6	496.5	496.0
120°	533.3	534.2	535.0	536.0	536.8	537.3	537.3	537.3	537.3	537.3	537.1
122.5°	573.3	574.0	574.7	575.4	576.2	576.6	576.8	577.0	577.1	577.3	576.7
125°	633.4	633.5	633.8	634.0	634.2	634.6	635.0	635.4	635.8	636.4	636.1
127.5°	691.0	691.4	691.8	692.3	692.8	693.1	693.3	693.5	693.7	694.0	693.7
130°	729.4	729.8	730.3	730.7	731.2	731.5	731.7	731.9	732.2	732.4	731.9
132.5°	765.4	766.0	766.6	767.2	767.9	768.3	768.5	768.8	769.0	769.2	769.3
135°	821.4	822.3	823.2	824.1	825.0	825.4	825.4	825.4	825.4	825.4	825.2
137.5°	876.2	877.4	878.5	879.6	880.7	881.1	880.9	880.6	880.3	880.0	879.6
140°	911.5	912.6	913.7	914.8	915.9	916.3	915.8	915.3	914.9	914.5	913.8
142.5°	945.1	946.2	947.4	948.4	949.5	949.9	949.7	949.4	949.2	948.9	948.0
145°	995.5	996.2	996.9	997.6	998.2	998.5	998.5	998.5	998.5	998.5	997.8
147.5°	1038.5	1040.1	1041.6	1043.1	1044.6	1045.1	1044.6	1044.0	1043.4	1042.9	1042.4
150°	1070.6	1071.0	1071.4	1071.9	1072.4	1072.5	1072.5	1072.5	1072.5	1072.5	1071.7
152.5°	1097.0	1097.8	1098.5	1099.4	1100.2	1100.3	1099.8	1099.2	1098.7	1098.2	1097.9
155°	1134.6	1135.7	1136.8	1137.9	1139.0	1139.2	1138.2	1137.4	1136.5	1135.6	1135.4
157.5°	1166.1	1167.5	1169.0	1170.4	1171.9	1172.2	1171.3	1170.4	1169.5	1168.6	1168.4
160°	1187.7	1188.7	1189.8	1190.9	1192.1	1192.1	1191.3	1190.4	1189.5	1188.6	1188.4
162.5°	1206.0	1207.3	1208.6	1209.9	1211.2	1211.3	1210.2	1209.2	1208.1	1207.0	1206.9
165°	1230.6	1232.0	1233.3	1234.7	1236.0	1236.2	1235.3	1234.4	1233.6	1232.6	1232.4
167.5°	1250.3	1251.6	1253.0	1254.4	1255.8	1255.8	1254.5	1253.1	1251.8	1250.4	1250.4
170°	1260.7	1262.2	1263.8	1265.3	1266.9	1267.0	1265.7	1264.3	1263.0	1261.6	1261.6
172.5°	1269.5	1270.8	1272.2	1273.6	1275.0	1275.0	1273.7	1272.3	1271.0	1269.6	1269.6
175°	1277.6	1279.2	1280.8	1282.4	1283.9	1284.0	1282.6	1281.3	1280.0	1278.7	1278.7
177.5°	1282.5	1283.8	1285.0	1286.2	1287.5	1287.5	1286.5	1285.4	1284.4	1283.2	1283.4
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1626.9	1623.2	1618.9	1611.4	1602.2	1597.4	1589.8	1585.0	1575.4	1567.3	1558.8
5°	1709.4	1692.0	1675.9	1655.1	1632.3	1617.5	1600.1	1580.6	1560.5	1539.6	1516.8
7.5°	1795.0	1764.1	1730.5	1694.4	1659.1	1626.6	1595.6	1565.1	1536.7	1502.4	1473.3
10°	1852.4	1813.5	1771.9	1722.9	1675.2	1633.7	1591.3	1554.4	1516.8	1476.5	1441.0
12.5°	1909.9	1858.0	1799.2	1745.4	1688.2	1637.9	1588.1	1541.0	1493.7	1449.1	1407.7
15°	1950.4	1904.8	1850.4	1773.9	1709.4	1640.4	1574.6	1513.5	1456.5	1406.8	1354.4
17.5°	1977.1	1918.3	1859.9	1786.5	1702.1	1624.8	1550.2	1480.3	1416.0	1353.1	1302.6
20°	1981.9	1921.6	1860.4	1788.6	1702.1	1613.5	1539.0	1455.1	1386.0	1320.9	1259.1
22.5°	1980.4	1911.9	1845.5	1771.5	1687.0	1605.4	1515.4	1429.9	1354.8	1290.8	1226.3
25°	1965.1	1892.0	1808.8	1734.3	1651.1	1564.5	1473.3	1384.7	1308.1	1234.9	1171.2
27.5°	1952.6	1857.7	1763.4	1676.5	1596.2	1516.8	1429.4	1338.7	1253.9	1179.7	1119.6
30°	1937.0	1833.0	1726.9	1636.3	1553.8	1476.5	1394.0	1305.4	1216.9	1144.4	1080.0
32.5°	1923.0	1801.8	1689.9	1591.2	1503.8	1428.7	1352.6	1268.3	1181.4	1107.8	1043.4
35°	1896.1	1755.8	1627.5	1516.1	1422.9	1345.7	1281.9	1203.4	1123.5	1052.4	990.7
37.5°	1861.8	1695.4	1557.8	1441.0	1338.7	1257.4	1198.0	1137.7	1061.1	992.6	936.7
40°	1835.0	1652.4	1506.8	1387.3	1281.3	1196.7	1141.7	1084.6	1020.9	957.1	898.0
42.5°	1801.1	1613.8	1455.3	1326.6	1221.7	1139.3	1081.5	1033.0	976.8	917.4	862.5
45°	1739.0	1543.7	1371.8	1233.6	1127.6	1046.4	986.6	950.4	908.1	851.7	805.4
47.5°	1647.6	1459.5	1281.8	1139.1	1029.7	954.4	898.5	863.7	833.9	791.9	749.9
50°	1566.5	1396.7	1216.9	1075.2	965.8	889.9	838.3	806.8	781.3	749.0	713.4
52.5°	1475.8	1317.8	1153.0	1013.0	904.6	829.8	779.2	751.5	730.2	707.1	672.1
55°	1331.6	1197.4	1044.3	911.5	811.4	738.3	694.0	669.9	652.4	634.9	613.5
57.5°	1172.8	1067.8	932.3	810.8	718.7	652.1	610.8	587.3	573.7	564.7	552.1
60°	1061.1	971.2	854.4	743.6	653.8	594.7	554.4	536.2	524.9	517.5	508.1
62.5°	957.5	883.6	775.5	674.4	595.7	539.8	503.9	486.3	475.4	471.8	464.1
65°	804.7	747.7	658.4	574.5	507.4	459.8	429.6	412.8	406.0	402.0	402.7
67.5°	654.3	619.5	547.8	476.2	422.7	382.7	358.5	345.7	342.3	336.9	336.8
70°	562.4	536.2	475.9	413.5	365.8	334.9	313.4	300.0	296.6	293.9	293.3
72.5°	481.4	458.4	406.0	356.0	313.1	286.0	268.4	260.3	254.8	253.1	253.0
75°	361.8	349.0	307.4	267.8	238.2	219.5	207.4	200.0	196.0	195.3	196.0
77.5°	257.2	246.1	219.6	191.6	172.9	158.7	148.4	145.9	141.4	141.5	140.8
80°	193.3	185.9	169.1	147.0	131.6	119.5	114.1	109.4	108.1	106.1	108.1
82.5°	140.2	132.2	120.8	106.7	93.9	86.7	81.4	79.9	79.0	78.1	78.5
85°	69.1	69.8	63.1	52.3	47.0	43.0	39.6	39.6	38.9	38.2	38.9
87.5°	26.2	24.8	22.4	20.4	17.4	15.4	14.6	14.7	13.4	13.3	14.1
90°	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0	2.8	4.6	6.4
92.5°	34.6	32.7	30.7	29.2	28.0	26.7	25.5	24.2	25.5	26.7	28.0
95°	72.6	70.3	68.1	66.8	66.4	66.0	65.4	65.0	65.4	66.0	66.4
97.5°	116.5	113.5	110.4	108.7	108.6	108.4	108.2	108.1	108.2	108.4	108.6
100°	147.3	144.4	141.5	140.1	140.1	140.1	140.1	140.1	140.1	140.1	140.1
102.5°	182.2	180.7	179.3	178.1	177.2	176.2	175.4	174.5	175.4	176.2	177.2
105°	236.4	235.1	233.8	232.6	231.4	230.3	229.2	228.1	229.2	230.3	231.4
107.5°	294.9	293.9	292.8	291.8	290.7	289.6	288.4	287.3	288.4	289.6	290.7
110°	334.8	334.2	333.5	332.6	331.5	330.4	329.2	328.2	329.2	330.4	331.5



TEST NUMBER: P333332-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	374.5	373.7	372.8	372.1	371.5	370.9	370.4	369.8	370.4	370.9	371.5
115°	436.4	435.9	435.4	434.8	433.9	433.0	432.1	431.2	432.1	433.0	433.9
117.5°	495.7	495.2	494.8	494.5	494.0	493.7	493.3	492.8	493.3	493.7	494.0
120°	536.8	536.6	536.4	535.7	534.6	533.5	532.4	531.2	532.4	533.5	534.6
122.5°	576.2	575.6	575.0	574.5	574.1	573.7	573.3	572.9	573.3	573.7	574.1
125°	635.8	635.7	635.4	634.6	633.4	632.0	630.7	629.3	630.7	632.0	633.4
127.5°	693.4	693.2	692.9	692.4	691.6	690.9	690.1	689.4	690.1	690.9	691.6
130°	731.5	731.1	730.6	729.8	728.8	727.6	726.5	725.4	726.5	727.6	728.8
132.5°	769.4	769.5	769.6	768.7	766.9	765.1	763.2	761.4	763.2	765.1	766.9
135°	825.0	824.8	824.6	823.8	822.4	821.1	819.8	818.5	819.8	821.1	822.4
137.5°	879.1	878.6	878.1	877.2	875.9	874.6	873.3	872.0	873.3	874.6	875.9
140°	913.2	912.5	911.8	910.9	909.8	908.7	907.6	906.5	907.6	908.7	909.8
142.5°	947.2	946.3	945.6	944.6	943.7	942.8	941.8	940.9	941.8	942.8	943.7
145°	997.2	996.5	995.8	995.1	994.2	993.3	992.4	991.5	992.4	993.3	994.2
147.5°	1041.9	1041.4	1040.8	1040.3	1039.8	1039.3	1038.8	1038.4	1038.8	1039.3	1039.8
150°	1070.7	1069.9	1069.0	1068.7	1068.9	1069.1	1069.4	1069.5	1069.4	1069.1	1068.9
152.5°	1097.4	1097.1	1096.7	1096.4	1096.1	1095.8	1095.5	1095.2	1095.5	1095.8	1096.1
155°	1135.1	1135.0	1134.7	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6	1134.6
157.5°	1168.2	1167.9	1167.7	1167.9	1168.4	1168.8	1169.3	1169.8	1169.3	1168.8	1168.4
160°	1188.2	1187.9	1187.7	1187.9	1188.6	1189.3	1190.0	1190.6	1190.0	1189.3	1188.6
162.5°	1206.9	1206.9	1206.9	1207.0	1207.6	1208.1	1208.6	1209.0	1208.6	1208.1	1207.6
165°	1232.2	1232.0	1231.7	1231.8	1232.3	1232.8	1233.2	1233.6	1233.2	1232.8	1232.3
167.5°	1250.4	1250.4	1250.4	1250.9	1251.8	1252.7	1253.5	1254.5	1253.5	1252.7	1251.8
170°	1261.6	1261.6	1261.6	1262.1	1263.0	1263.9	1264.8	1265.7	1264.8	1263.9	1263.0
172.5°	1269.6	1269.6	1269.6	1270.1	1271.0	1271.9	1272.8	1273.7	1272.8	1271.9	1271.0
175°	1278.7	1278.7	1278.7	1279.1	1280.0	1280.9	1281.8	1282.6	1281.8	1280.9	1280.0
177.5°	1283.7	1283.8	1284.0	1284.4	1285.1	1285.8	1286.6	1287.3	1286.6	1285.8	1285.1
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



TEST NUMBER: P333332-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1553.8	1548.0	1543.2	1532.4	1526.5	1518.5	1512.0	1519.0	1511.5	1514.7	1509.8
5°	1505.5	1486.6	1473.3	1453.7	1437.0	1421.5	1410.1	1408.1	1402.7	1400.1	1392.0
7.5°	1447.2	1423.7	1400.6	1375.1	1353.6	1331.7	1317.8	1306.2	1298.6	1288.5	1281.7
10°	1412.8	1381.3	1354.4	1323.5	1296.7	1273.2	1254.4	1245.0	1236.3	1223.6	1218.8
12.5°	1370.4	1337.7	1305.0	1272.0	1246.2	1220.0	1203.9	1189.7	1183.7	1169.3	1167.9
15°	1319.5	1270.5	1238.3	1204.7	1169.2	1147.7	1134.3	1118.9	1112.2	1102.1	1094.7
17.5°	1258.9	1215.0	1174.8	1140.1	1109.6	1091.5	1074.8	1064.2	1052.7	1046.1	1034.0
20°	1214.8	1173.2	1132.9	1096.1	1072.5	1051.7	1038.3	1028.2	1016.2	1012.8	1000.7
22.5°	1177.8	1131.9	1093.2	1062.2	1036.6	1013.1	998.6	991.7	983.4	973.1	970.6
25°	1117.5	1069.9	1037.0	1006.1	983.3	961.8	951.7	943.0	935.0	927.6	924.9
27.5°	1065.4	1022.9	983.8	955.9	936.0	916.4	907.6	897.0	891.0	885.1	877.9
30°	1028.9	985.2	951.1	924.2	902.8	885.3	875.9	868.5	863.2	857.7	853.8
32.5°	991.4	950.9	917.7	891.5	870.0	856.8	848.5	843.3	837.3	830.9	825.8
35°	941.7	897.3	865.1	842.3	825.5	815.5	806.1	801.3	794.7	794.7	789.3
37.5°	885.7	847.4	819.0	798.1	783.1	774.1	764.0	760.7	756.4	753.5	751.7
40°	852.4	816.8	790.0	769.1	753.0	745.6	737.6	732.3	729.5	726.2	724.9
42.5°	818.0	784.0	758.3	739.1	725.1	718.8	711.3	707.6	702.1	697.8	697.0
45°	765.8	732.9	709.5	694.0	681.9	674.5	669.9	661.8	659.1	653.8	653.1
47.5°	716.3	684.8	661.7	649.0	638.4	632.4	625.0	616.9	613.9	611.1	610.9
50°	679.2	650.4	628.9	616.8	606.7	598.1	590.6	585.2	583.2	583.2	584.6
52.5°	641.6	617.1	598.8	584.0	574.5	565.2	558.4	555.2	552.1	555.3	557.8
55°	586.6	561.8	548.4	534.3	524.9	514.1	510.7	509.5	507.4	512.8	515.5
57.5°	528.3	510.9	495.2	481.2	472.8	466.6	462.0	461.2	465.0	467.5	476.2
60°	491.3	471.1	457.1	446.3	436.3	432.2	430.9	429.6	432.2	439.6	451.0
62.5°	450.5	434.1	419.0	410.9	403.5	396.8	396.5	397.4	402.7	411.1	422.6
65°	390.6	376.5	366.4	357.1	351.0	347.0	348.4	351.0	357.1	368.5	381.3
67.5°	329.8	320.1	311.2	303.5	297.7	297.7	299.1	303.1	310.2	323.4	335.0
70°	290.6	279.9	272.5	269.1	264.4	261.7	265.8	272.5	278.5	290.6	300.7
72.5°	251.4	242.3	236.5	234.3	232.2	230.1	231.4	238.7	246.8	258.9	270.6
75°	193.3	189.9	185.9	183.2	181.2	182.5	183.9	190.6	197.3	210.1	223.5
77.5°	141.1	137.6	135.2	134.5	133.5	134.1	137.8	142.8	149.4	158.7	168.8
80°	106.7	105.4	104.0	103.3	103.3	104.0	109.4	112.8	118.8	127.5	135.6
82.5°	77.7	76.9	76.6	76.5	77.1	77.1	80.4	84.8	89.8	96.3	103.3
85°	41.0	39.6	41.6	42.3	41.0	43.0	44.3	47.0	49.0	52.3	55.7
87.5°	15.1	16.4	16.2	17.0	17.4	18.8	18.4	20.8	22.1	23.4	23.1
90°	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3	19.4	20.5	21.4
92.5°	29.2	30.7	32.7	34.6	36.5	38.4	39.9	41.3	42.8	44.3	45.3
95°	66.8	68.1	70.3	72.6	74.8	77.1	78.6	80.2	81.7	83.3	84.3
97.5°	108.7	110.4	113.5	116.5	119.6	122.7	124.2	125.6	127.1	128.5	129.4
100°	140.1	141.5	144.4	147.3	150.2	153.1	155.1	157.0	159.1	161.1	162.3
102.5°	178.1	179.3	180.7	182.2	183.7	185.1	187.3	189.4	191.7	193.8	195.2
105°	232.6	233.8	235.1	236.4	237.8	239.1	240.5	241.8	243.1	244.4	245.5
107.5°	291.8	292.8	293.9	294.9	295.9	297.0	297.6	298.3	298.9	299.6	300.0
110°	332.6	333.5	334.2	334.8	335.5	336.1	336.8	337.5	338.2	338.8	339.1



TEST NUMBER: P333332-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	372.1	372.8	373.7	374.5	375.3	376.2	376.5	376.9	377.1	377.5	377.4
115°	434.8	435.4	435.9	436.4	436.8	437.2	437.0	436.8	436.5	436.4	436.1
117.5°	494.5	494.8	495.2	495.7	496.0	496.5	496.6	496.8	497.0	497.1	496.8
120°	535.7	536.4	536.6	536.8	537.1	537.3	537.3	537.3	537.3	537.3	536.8
122.5°	574.5	575.0	575.6	576.2	576.7	577.3	577.1	577.0	576.8	576.6	576.2
125°	634.6	635.4	635.7	635.8	636.1	636.4	635.8	635.4	635.0	634.6	634.2
127.5°	692.4	692.9	693.2	693.4	693.7	694.0	693.7	693.5	693.3	693.1	692.8
130°	729.8	730.6	731.1	731.5	731.9	732.4	732.2	731.9	731.7	731.5	731.2
132.5°	768.7	769.6	769.5	769.4	769.3	769.2	769.0	768.8	768.5	768.3	767.9
135°	823.8	824.6	824.8	825.0	825.2	825.4	825.4	825.4	825.4	825.4	825.0
137.5°	877.2	878.1	878.6	879.1	879.6	880.0	880.3	880.6	880.9	881.1	880.7
140°	910.9	911.8	912.5	913.2	913.8	914.5	914.9	915.3	915.8	916.3	915.9
142.5°	944.6	945.6	946.3	947.2	948.0	948.9	949.2	949.4	949.7	949.9	949.5
145°	995.1	995.8	996.5	997.2	997.8	998.5	998.5	998.5	998.5	998.5	998.2
147.5°	1040.3	1040.8	1041.4	1041.9	1042.4	1042.9	1043.4	1044.0	1044.6	1045.1	1044.6
150°	1068.7	1069.0	1069.9	1070.7	1071.7	1072.5	1072.5	1072.5	1072.5	1072.5	1072.4
152.5°	1096.4	1096.7	1097.1	1097.4	1097.9	1098.2	1098.7	1099.2	1099.8	1100.3	1100.2
155°	1134.6	1134.7	1135.0	1135.1	1135.4	1135.6	1136.5	1137.4	1138.2	1139.2	1139.0
157.5°	1167.9	1167.7	1167.9	1168.2	1168.4	1168.6	1169.5	1170.4	1171.3	1172.2	1171.9
160°	1187.9	1187.7	1187.9	1188.2	1188.4	1188.6	1189.5	1190.4	1191.3	1192.1	1192.1
162.5°	1207.0	1206.9	1206.9	1206.9	1206.9	1207.0	1208.1	1209.2	1210.2	1211.3	1211.2
165°	1231.8	1231.7	1232.0	1232.2	1232.4	1232.6	1233.6	1234.4	1235.3	1236.2	1236.0
167.5°	1250.9	1250.4	1250.4	1250.4	1250.4	1250.4	1251.8	1253.1	1254.5	1255.8	1255.8
170°	1262.1	1261.6	1261.6	1261.6	1261.6	1261.6	1263.0	1264.3	1265.7	1267.0	1266.9
172.5°	1270.1	1269.6	1269.6	1269.6	1269.6	1269.6	1271.0	1272.3	1273.7	1275.0	1275.0
175°	1279.1	1278.7	1278.7	1278.7	1278.7	1278.7	1280.0	1281.3	1282.6	1284.0	1283.9
177.5°	1284.4	1284.0	1283.8	1283.7	1283.4	1283.2	1284.4	1285.4	1286.5	1287.5	1287.5
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



TEST NUMBER: P333332-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1506.7	1510.4	1507.2	1511.5	1507.2	1510.4	1506.7	1509.8	1514.7	1511.5	1519.0
5°	1388.6	1382.6	1386.6	1384.0	1386.6	1382.6	1388.6	1392.0	1400.1	1402.7	1408.1
7.5°	1279.6	1273.8	1267.3	1264.2	1267.3	1273.8	1279.6	1281.7	1288.5	1298.6	1306.2
10°	1211.4	1204.1	1203.4	1198.7	1203.4	1204.1	1211.4	1218.8	1223.6	1236.3	1245.0
12.5°	1161.5	1154.7	1147.0	1145.0	1147.0	1154.7	1161.5	1167.9	1169.3	1183.7	1189.7
15°	1090.6	1085.3	1080.6	1084.6	1080.6	1085.3	1090.6	1094.7	1102.1	1112.2	1118.9
17.5°	1031.7	1027.3	1026.5	1021.5	1026.5	1027.3	1031.7	1034.0	1046.1	1052.7	1064.2
20°	994.7	991.4	992.6	984.0	992.6	991.4	994.7	1000.7	1012.8	1016.2	1028.2
22.5°	965.2	958.6	957.8	956.1	957.8	958.6	965.2	970.6	973.1	983.4	991.7
25°	918.9	915.5	912.1	915.5	912.1	915.5	918.9	924.9	927.6	935.0	943.0
27.5°	878.4	874.4	873.5	873.8	873.5	874.4	878.4	877.9	885.1	891.0	897.0
30°	853.8	847.1	847.7	847.1	847.7	847.1	853.8	853.8	857.7	863.2	868.5
32.5°	826.9	822.3	821.4	820.2	821.4	822.3	826.9	825.8	830.9	837.3	843.3
35°	787.3	787.3	783.9	783.9	783.9	787.3	787.3	789.3	794.7	794.7	801.3
37.5°	750.1	749.4	747.4	747.7	747.4	749.4	750.1	751.7	753.5	756.4	760.7
40°	722.2	721.5	719.5	715.5	719.5	721.5	722.2	724.9	726.2	729.5	732.3
42.5°	695.3	693.0	692.1	690.8	692.1	693.0	695.3	697.0	697.8	702.1	707.6
45°	653.1	653.1	651.7	651.0	651.7	653.1	653.1	653.1	653.8	659.1	661.8
47.5°	612.0	613.2	615.7	615.4	615.7	613.2	612.0	610.9	611.1	613.9	616.9
50°	587.3	588.0	590.0	590.6	590.0	588.0	587.3	584.6	583.2	583.2	585.2
52.5°	559.9	563.8	566.4	565.9	566.4	563.8	559.9	557.8	555.3	552.1	555.2
55°	521.5	526.2	530.9	531.6	530.9	526.2	521.5	515.5	512.8	507.4	509.5
57.5°	483.5	490.1	495.1	496.6	495.1	490.1	483.5	476.2	467.5	465.0	461.2
60°	457.7	466.5	472.5	475.2	472.5	466.5	457.7	451.0	439.6	432.2	429.6
62.5°	433.0	442.8	448.8	449.4	448.8	442.8	433.0	422.6	411.1	402.7	397.4
65°	392.6	402.7	408.0	412.1	408.0	402.7	392.6	381.3	368.5	357.1	351.0
67.5°	349.1	359.2	365.2	368.3	365.2	359.2	349.1	335.0	323.4	310.2	303.1
70°	317.5	327.5	335.6	338.3	335.6	327.5	317.5	300.7	290.6	278.5	272.5
72.5°	286.3	295.3	301.8	305.0	301.8	295.3	286.3	270.6	258.9	246.8	238.7
75°	232.2	244.3	250.4	253.7	250.4	244.3	232.2	223.5	210.1	197.3	190.6
77.5°	179.1	190.1	193.7	195.4	193.7	190.1	179.1	168.8	158.7	149.4	142.8
80°	143.6	150.3	155.1	155.7	155.1	150.3	143.6	135.6	127.5	118.8	112.8
82.5°	110.4	116.0	117.4	119.2	117.4	116.0	110.4	103.3	96.3	89.8	84.8
85°	60.4	63.1	63.8	63.1	63.8	63.1	60.4	55.7	52.3	49.0	47.0
87.5°	24.3	23.8	24.0	25.2	24.0	23.8	24.3	23.1	23.4	22.1	20.8
90°	22.0	22.6	23.3	24.0	23.3	22.6	22.0	21.4	20.5	19.4	18.3
92.5°	45.7	46.2	46.8	47.2	46.8	46.2	45.7	45.3	44.3	42.8	41.3
95°	84.7	85.2	85.6	86.0	85.6	85.2	84.7	84.3	83.3	81.7	80.2
97.5°	129.7	129.9	130.2	130.4	130.2	129.9	129.7	129.4	128.5	127.1	125.6
100°	162.7	163.2	163.7	164.1	163.7	163.2	162.7	162.3	161.1	159.1	157.0
102.5°	195.9	196.5	197.1	197.7	197.1	196.5	195.9	195.2	193.8	191.7	189.4
105°	246.2	246.8	247.5	248.1	247.5	246.8	246.2	245.5	244.4	243.1	241.8
107.5°	299.9	299.9	299.8	299.7	299.8	299.9	299.9	300.0	299.6	298.9	298.3
110°	338.8	338.6	338.4	338.2	338.4	338.6	338.8	339.1	338.8	338.2	337.5



TEST NUMBER: P333332-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	377.0	376.6	376.2	375.8	376.2	376.6	377.0	377.4	377.5	377.1	376.9
115°	435.9	435.7	435.4	435.2	435.4	435.7	435.9	436.1	436.4	436.5	436.8
117.5°	495.9	495.1	494.1	493.3	494.1	495.1	495.9	496.8	497.1	497.0	496.8
120°	536.0	535.0	534.2	533.3	534.2	535.0	536.0	536.8	537.3	537.3	537.3
122.5°	575.4	574.7	574.0	573.3	574.0	574.7	575.4	576.2	576.6	576.8	577.0
125°	634.0	633.8	633.5	633.4	633.5	633.8	634.0	634.2	634.6	635.0	635.4
127.5°	692.3	691.8	691.4	691.0	691.4	691.8	692.3	692.8	693.1	693.3	693.5
130°	730.7	730.3	729.8	729.4	729.8	730.3	730.7	731.2	731.5	731.7	731.9
132.5°	767.2	766.6	766.0	765.4	766.0	766.6	767.2	767.9	768.3	768.5	768.8
135°	824.1	823.2	822.3	821.4	822.3	823.2	824.1	825.0	825.4	825.4	825.4
137.5°	879.6	878.5	877.4	876.2	877.4	878.5	879.6	880.7	881.1	880.9	880.6
140°	914.8	913.7	912.6	911.5	912.6	913.7	914.8	915.9	916.3	915.8	915.3
142.5°	948.4	947.4	946.2	945.1	946.2	947.4	948.4	949.5	949.9	949.7	949.4
145°	997.6	996.9	996.2	995.5	996.2	996.9	997.6	998.2	998.5	998.5	998.5
147.5°	1043.1	1041.6	1040.1	1038.5	1040.1	1041.6	1043.1	1044.6	1045.1	1044.6	1044.0
150°	1071.9	1071.4	1071.0	1070.6	1071.0	1071.4	1071.9	1072.4	1072.5	1072.5	1072.5
152.5°	1099.4	1098.5	1097.8	1097.0	1097.8	1098.5	1099.4	1100.2	1100.3	1099.8	1099.2
155°	1137.9	1136.8	1135.7	1134.6	1135.7	1136.8	1137.9	1139.0	1139.2	1138.2	1137.4
157.5°	1170.4	1169.0	1167.5	1166.1	1167.5	1169.0	1170.4	1171.9	1172.2	1171.3	1170.4
160°	1190.9	1189.8	1188.7	1187.7	1188.7	1189.8	1190.9	1192.1	1192.1	1191.3	1190.4
162.5°	1209.9	1208.6	1207.3	1206.0	1207.3	1208.6	1209.9	1211.2	1211.3	1210.2	1209.2
165°	1234.7	1233.3	1232.0	1230.6	1232.0	1233.3	1234.7	1236.0	1236.2	1235.3	1234.4
167.5°	1254.4	1253.0	1251.6	1250.3	1251.6	1253.0	1254.4	1255.8	1255.8	1254.5	1253.1
170°	1265.3	1263.8	1262.2	1260.7	1262.2	1263.8	1265.3	1266.9	1267.0	1265.7	1264.3
172.5°	1273.6	1272.2	1270.8	1269.5	1270.8	1272.2	1273.6	1275.0	1275.0	1273.7	1272.3
175°	1282.4	1280.8	1279.2	1277.6	1279.2	1280.8	1282.4	1283.9	1284.0	1282.6	1281.3
177.5°	1286.2	1285.0	1283.8	1282.5	1283.8	1285.0	1286.2	1287.5	1287.5	1286.5	1285.4
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



TEST NUMBER: P333332-935

CATALOG NUMBER: S125DIP-S1270D1205U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1512.0	1518.5	1526.5	1532.4	1543.2	1548.0	1553.8	1558.8	1567.3	1575.4	1585.0
5°	1410.1	1421.5	1437.0	1453.7	1473.3	1486.6	1505.5	1516.8	1539.6	1560.5	1580.6
7.5°	1317.8	1331.7	1353.6	1375.1	1400.6	1423.7	1447.2	1473.3	1502.4	1536.7	1565.1
10°	1254.4	1273.2	1296.7	1323.5	1354.4	1381.3	1412.8	1441.0	1476.5	1516.8	1554.4
12.5°	1203.9	1220.0	1246.2	1272.0	1305.0	1337.7	1370.4	1407.7	1449.1	1493.7	1541.0
15°	1134.3	1147.7	1169.2	1204.7	1238.3	1270.5	1319.5	1354.4	1406.8	1456.5	1513.5
17.5°	1074.8	1091.5	1109.6	1140.1	1174.8	1215.0	1258.9	1302.6	1353.1	1416.0	1480.3
20°	1038.3	1051.7	1072.5	1096.1	1132.9	1173.2	1214.8	1259.1	1320.9	1386.0	1455.1
22.5°	998.6	1013.1	1036.6	1062.2	1093.2	1131.9	1177.8	1226.3	1290.8	1354.8	1429.9
25°	951.7	961.8	983.3	1006.1	1037.0	1069.9	1117.5	1171.2	1234.9	1308.1	1384.7
27.5°	907.6	916.4	936.0	955.9	983.8	1022.9	1065.4	1119.6	1179.7	1253.9	1338.7
30°	875.9	885.3	902.8	924.2	951.1	985.2	1028.9	1080.0	1144.4	1216.9	1305.4
32.5°	848.5	856.8	870.0	891.5	917.7	950.9	991.4	1043.4	1107.8	1181.4	1268.3
35°	806.1	815.5	825.5	842.3	865.1	897.3	941.7	990.7	1052.4	1123.5	1203.4
37.5°	764.0	774.1	783.1	798.1	819.0	847.4	885.7	936.7	992.6	1061.1	1137.7
40°	737.6	745.6	753.0	769.1	790.0	816.8	852.4	898.0	957.1	1020.9	1084.6
42.5°	711.3	718.8	725.1	739.1	758.3	784.0	818.0	862.5	917.4	976.8	1033.0
45°	669.9	674.5	681.9	694.0	709.5	732.9	765.8	805.4	851.7	908.1	950.4
47.5°	625.0	632.4	638.4	649.0	661.7	684.8	716.3	749.9	791.9	833.9	863.7
50°	590.6	598.1	606.7	616.8	628.9	650.4	679.2	713.4	749.0	781.3	806.8
52.5°	558.4	565.2	574.5	584.0	598.8	617.1	641.6	672.1	707.1	730.2	751.5
55°	510.7	514.1	524.9	534.3	548.4	561.8	586.6	613.5	634.9	652.4	669.9
57.5°	462.0	466.6	472.8	481.2	495.2	510.9	528.3	552.1	564.7	573.7	587.3
60°	430.9	432.2	436.3	446.3	457.1	471.1	491.3	508.1	517.5	524.9	536.2
62.5°	396.5	396.8	403.5	410.9	419.0	434.1	450.5	464.1	471.8	475.4	486.3
65°	348.4	347.0	351.0	357.1	366.4	376.5	390.6	402.7	402.0	406.0	412.8
67.5°	299.1	297.7	297.7	303.5	311.2	320.1	329.8	336.8	336.9	342.3	345.7
70°	265.8	261.7	264.4	269.1	272.5	279.9	290.6	293.3	293.9	296.6	300.0
72.5°	231.4	230.1	232.2	234.3	236.5	242.3	251.4	253.0	253.1	254.8	260.3
75°	183.9	182.5	181.2	183.2	185.9	189.9	193.3	196.0	195.3	196.0	200.0
77.5°	137.8	134.1	133.5	134.5	135.2	137.6	141.1	140.8	141.5	141.4	145.9
80°	109.4	104.0	103.3	103.3	104.0	105.4	106.7	108.1	106.1	108.1	109.4
82.5°	80.4	77.1	77.1	76.5	76.6	76.9	77.7	78.5	78.1	79.0	79.9
85°	44.3	43.0	41.0	42.3	41.6	39.6	41.0	38.9	38.2	38.9	39.6
87.5°	18.4	18.8	17.4	17.0	16.2	16.4	15.1	14.1	13.3	13.4	14.7
90°	17.1	16.0	14.5	12.9	11.4	9.8	8.1	6.4	4.6	2.8	1.0
92.5°	39.9	38.4	36.5	34.6	32.7	30.7	29.2	28.0	26.7	25.5	24.2
95°	78.6	77.1	74.8	72.6	70.3	68.1	66.8	66.4	66.0	65.4	65.0
97.5°	124.2	122.7	119.6	116.5	113.5	110.4	108.7	108.6	108.4	108.2	108.1
100°	155.1	153.1	150.2	147.3	144.4	141.5	140.1	140.1	140.1	140.1	140.1
102.5°	187.3	185.1	183.7	182.2	180.7	179.3	178.1	177.2	176.2	175.4	174.5
105°	240.5	239.1	237.8	236.4	235.1	233.8	232.6	231.4	230.3	229.2	228.1
107.5°	297.6	297.0	295.9	294.9	293.9	292.8	291.8	290.7	289.6	288.4	287.3
110°	336.8	336.1	335.5	334.8	334.2	333.5	332.6	331.5	330.4	329.2	328.2



TEST NUMBER: P333332-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	376.5	376.2	375.3	374.5	373.7	372.8	372.1	371.5	370.9	370.4	369.8
115°	437.0	437.2	436.8	436.4	435.9	435.4	434.8	433.9	433.0	432.1	431.2
117.5°	496.6	496.5	496.0	495.7	495.2	494.8	494.5	494.0	493.7	493.3	492.8
120°	537.3	537.3	537.1	536.8	536.6	536.4	535.7	534.6	533.5	532.4	531.2
122.5°	577.1	577.3	576.7	576.2	575.6	575.0	574.5	574.1	573.7	573.3	572.9
125°	635.8	636.4	636.1	635.8	635.7	635.4	634.6	633.4	632.0	630.7	629.3
127.5°	693.7	694.0	693.7	693.4	693.2	692.9	692.4	691.6	690.9	690.1	689.4
130°	732.2	732.4	731.9	731.5	731.1	730.6	729.8	728.8	727.6	726.5	725.4
132.5°	769.0	769.2	769.3	769.4	769.5	769.6	768.7	766.9	765.1	763.2	761.4
135°	825.4	825.4	825.2	825.0	824.8	824.6	823.8	822.4	821.1	819.8	818.5
137.5°	880.3	880.0	879.6	879.1	878.6	878.1	877.2	875.9	874.6	873.3	872.0
140°	914.9	914.5	913.8	913.2	912.5	911.8	910.9	909.8	908.7	907.6	906.5
142.5°	949.2	948.9	948.0	947.2	946.3	945.6	944.6	943.7	942.8	941.8	940.9
145°	998.5	998.5	997.8	997.2	996.5	995.8	995.1	994.2	993.3	992.4	991.5
147.5°	1043.4	1042.9	1042.4	1041.9	1041.4	1040.8	1040.3	1039.8	1039.3	1038.8	1038.4
150°	1072.5	1072.5	1071.7	1070.7	1069.9	1069.0	1068.7	1068.9	1069.1	1069.4	1069.5
152.5°	1098.7	1098.2	1097.9	1097.4	1097.1	1096.7	1096.4	1096.1	1095.8	1095.5	1095.2
155°	1136.5	1135.6	1135.4	1135.1	1135.0	1134.7	1134.6	1134.6	1134.6	1134.6	1134.6
157.5°	1169.5	1168.6	1168.4	1168.2	1167.9	1167.7	1167.9	1168.4	1168.8	1169.3	1169.8
160°	1189.5	1188.6	1188.4	1188.2	1187.9	1187.7	1187.9	1188.6	1189.3	1190.0	1190.6
162.5°	1208.1	1207.0	1206.9	1206.9	1206.9	1206.9	1207.0	1207.6	1208.1	1208.6	1209.0
165°	1233.6	1232.6	1232.4	1232.2	1232.0	1231.7	1231.8	1232.3	1232.8	1233.2	1233.6
167.5°	1251.8	1250.4	1250.4	1250.4	1250.4	1250.4	1250.9	1251.8	1252.7	1253.5	1254.5
170°	1263.0	1261.6	1261.6	1261.6	1261.6	1261.6	1262.1	1263.0	1263.9	1264.8	1265.7
172.5°	1271.0	1269.6	1269.6	1269.6	1269.6	1269.6	1270.1	1271.0	1271.9	1272.8	1273.7
175°	1280.0	1278.7	1278.7	1278.7	1278.7	1278.7	1279.1	1280.0	1280.9	1281.8	1282.6
177.5°	1284.4	1283.2	1283.4	1283.7	1283.8	1284.0	1284.4	1285.1	1285.8	1286.6	1287.3
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



TEST NUMBER: P333332-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1589.8	1597.4	1602.2	1611.4	1618.9	1623.2	1626.9	1630.1	1633.9	1637.1	1646.2
5°	1600.1	1617.5	1632.3	1655.1	1675.9	1692.0	1709.4	1724.9	1737.7	1755.8	1769.9
7.5°	1595.6	1626.6	1659.1	1694.4	1730.5	1764.1	1795.0	1823.9	1850.0	1881.7	1909.4
10°	1591.3	1633.7	1675.2	1722.9	1771.9	1813.5	1852.4	1892.0	1920.9	1961.2	1995.4
12.5°	1588.1	1637.9	1688.2	1745.4	1799.2	1858.0	1909.9	1938.7	1982.6	2014.8	2055.6
15°	1574.6	1640.4	1709.4	1773.9	1850.4	1904.8	1950.4	2006.8	2047.7	2088.7	2133.0
17.5°	1550.2	1624.8	1702.1	1786.5	1859.9	1918.3	1977.1	2031.5	2080.3	2135.3	2190.4
20°	1539.0	1613.5	1702.1	1788.6	1860.4	1921.6	1981.9	2041.7	2095.4	2165.8	2229.6
22.5°	1515.4	1605.4	1687.0	1771.5	1845.5	1911.9	1980.4	2048.1	2119.5	2199.2	2279.0
25°	1473.3	1564.5	1651.1	1734.3	1808.8	1892.0	1965.1	2055.8	2147.1	2252.5	2351.7
27.5°	1429.4	1516.8	1596.2	1676.5	1763.4	1857.7	1952.6	2055.4	2174.9	2307.9	2448.0
30°	1394.0	1476.5	1553.8	1636.3	1726.9	1833.0	1937.0	2059.2	2197.4	2347.1	2513.5
32.5°	1352.6	1428.7	1503.8	1591.2	1689.9	1801.8	1923.0	2057.0	2223.2	2393.2	2564.6
35°	1281.9	1345.7	1422.9	1516.1	1627.5	1755.8	1896.1	2054.4	2245.1	2440.3	2584.6
37.5°	1198.0	1257.4	1338.7	1441.0	1557.8	1695.4	1861.8	2049.8	2252.2	2407.9	2454.5
40°	1141.7	1196.7	1281.3	1387.3	1506.8	1652.4	1835.0	2033.7	2229.6	2328.9	2290.7
42.5°	1081.5	1139.3	1221.7	1326.6	1455.3	1613.8	1801.1	1999.8	2164.1	2201.7	2069.5
45°	986.6	1046.4	1127.6	1233.6	1371.8	1543.7	1739.0	1919.5	2014.1	1946.4	1741.7
47.5°	898.5	954.4	1029.7	1139.1	1281.8	1459.5	1647.6	1791.7	1799.1	1637.4	1418.8
50°	838.3	889.9	965.8	1075.2	1216.9	1396.7	1566.5	1679.9	1628.9	1445.7	1235.6
52.5°	779.2	829.8	904.6	1013.0	1153.0	1317.8	1475.8	1555.4	1459.2	1271.2	1091.7
55°	694.0	738.3	811.4	911.5	1044.3	1197.4	1331.6	1359.1	1234.2	1049.0	903.4
57.5°	610.8	652.1	718.7	810.8	932.3	1067.8	1172.8	1166.9	1034.9	876.0	760.4
60°	554.4	594.7	653.8	743.6	854.4	971.2	1061.1	1039.7	908.8	771.9	674.5
62.5°	503.9	539.8	595.7	674.4	775.5	883.6	957.5	925.8	797.6	677.9	601.0
65°	429.6	459.8	507.4	574.5	658.4	747.7	804.7	763.8	654.4	561.1	499.4
67.5°	358.5	382.7	422.7	476.2	547.8	619.5	654.3	613.0	525.6	457.4	411.7
70°	313.4	334.9	365.8	413.5	475.9	536.2	562.4	525.6	450.4	391.9	359.0
72.5°	268.4	286.0	313.1	356.0	406.0	458.4	481.4	446.1	384.4	335.0	304.3
75°	207.4	219.5	238.2	267.8	307.4	349.0	361.8	330.9	291.3	254.3	234.3
77.5°	148.4	158.7	172.9	191.6	219.6	246.1	257.2	239.4	208.7	185.4	168.8
80°	114.1	119.5	131.6	147.0	169.1	185.9	193.3	181.9	160.4	142.9	130.2
82.5°	81.4	86.7	93.9	106.7	120.8	132.2	140.2	132.5	116.9	103.2	95.8
85°	39.6	43.0	47.0	52.3	63.1	69.8	69.1	64.4	58.4	53.0	49.0
87.5°	14.6	15.4	17.4	20.4	22.4	24.8	26.2	25.4	23.6	22.2	20.8
90°	2.8	4.6	6.4	8.1	9.8	11.4	12.9	14.5	16.0	17.1	18.3
92.5°	25.5	26.7	28.0	29.2	30.7	32.7	34.6	36.5	38.4	39.9	41.3
95°	65.4	66.0	66.4	66.8	68.1	70.3	72.6	74.8	77.1	78.6	80.2
97.5°	108.2	108.4	108.6	108.7	110.4	113.5	116.5	119.6	122.7	124.2	125.6
100°	140.1	140.1	140.1	140.1	141.5	144.4	147.3	150.2	153.1	155.1	157.0
102.5°	175.4	176.2	177.2	178.1	179.3	180.7	182.2	183.7	185.1	187.3	189.4
105°	229.2	230.3	231.4	232.6	233.8	235.1	236.4	237.8	239.1	240.5	241.8
107.5°	288.4	289.6	290.7	291.8	292.8	293.9	294.9	295.9	297.0	297.6	298.3
110°	329.2	330.4	331.5	332.6	333.5	334.2	334.8	335.5	336.1	336.8	337.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	370.4	370.9	371.5	372.1	372.8	373.7	374.5	375.3	376.2	376.5	376.9
115°	432.1	433.0	433.9	434.8	435.4	435.9	436.4	436.8	437.2	437.0	436.8
117.5°	493.3	493.7	494.0	494.5	494.8	495.2	495.7	496.0	496.5	496.6	496.8
120°	532.4	533.5	534.6	535.7	536.4	536.6	536.8	537.1	537.3	537.3	537.3
122.5°	573.3	573.7	574.1	574.5	575.0	575.6	576.2	576.7	577.3	577.1	577.0
125°	630.7	632.0	633.4	634.6	635.4	635.7	635.8	636.1	636.4	635.8	635.4
127.5°	690.1	690.9	691.6	692.4	692.9	693.2	693.4	693.7	694.0	693.7	693.5
130°	726.5	727.6	728.8	729.8	730.6	731.1	731.5	731.9	732.4	732.2	731.9
132.5°	763.2	765.1	766.9	768.7	769.6	769.5	769.4	769.3	769.2	769.0	768.8
135°	819.8	821.1	822.4	823.8	824.6	824.8	825.0	825.2	825.4	825.4	825.4
137.5°	873.3	874.6	875.9	877.2	878.1	878.6	879.1	879.6	880.0	880.3	880.6
140°	907.6	908.7	909.8	910.9	911.8	912.5	913.2	913.8	914.5	914.9	915.3
142.5°	941.8	942.8	943.7	944.6	945.6	946.3	947.2	948.0	948.9	949.2	949.4
145°	992.4	993.3	994.2	995.1	995.8	996.5	997.2	997.8	998.5	998.5	998.5
147.5°	1038.8	1039.3	1039.8	1040.3	1040.8	1041.4	1041.9	1042.4	1042.9	1043.4	1044.0
150°	1069.4	1069.1	1068.9	1068.7	1069.0	1069.9	1070.7	1071.7	1072.5	1072.5	1072.5
152.5°	1095.5	1095.8	1096.1	1096.4	1096.7	1097.1	1097.4	1097.9	1098.2	1098.7	1099.2
155°	1134.6	1134.6	1134.6	1134.6	1134.7	1135.0	1135.1	1135.4	1135.6	1136.5	1137.4
157.5°	1169.3	1168.8	1168.4	1167.9	1167.7	1167.9	1168.2	1168.4	1168.6	1169.5	1170.4
160°	1190.0	1189.3	1188.6	1187.9	1187.7	1187.9	1188.2	1188.4	1188.6	1189.5	1190.4
162.5°	1208.6	1208.1	1207.6	1207.0	1206.9	1206.9	1206.9	1206.9	1207.0	1208.1	1209.2
165°	1233.2	1232.8	1232.3	1231.8	1231.7	1232.0	1232.2	1232.4	1232.6	1233.6	1234.4
167.5°	1253.5	1252.7	1251.8	1250.9	1250.4	1250.4	1250.4	1250.4	1250.4	1251.8	1253.1
170°	1264.8	1263.9	1263.0	1262.1	1261.6	1261.6	1261.6	1261.6	1261.6	1263.0	1264.3
172.5°	1272.8	1271.9	1271.0	1270.1	1269.6	1269.6	1269.6	1269.6	1269.6	1271.0	1272.3
175°	1281.8	1280.9	1280.0	1279.1	1278.7	1278.7	1278.7	1278.7	1278.7	1280.0	1281.3
177.5°	1286.6	1285.8	1285.1	1284.4	1284.0	1283.8	1283.7	1283.4	1283.2	1284.4	1285.4
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1653.7	1658.0	1667.2	1664.0	1668.3	1670.4	1672.6
5°	1787.3	1808.8	1818.2	1816.9	1830.9	1827.6	1824.2
7.5°	1938.2	1960.8	1973.4	1989.1	1998.2	1998.9	2006.8
10°	2023.6	2053.1	2065.2	2082.0	2092.7	2098.8	2098.1
12.5°	2089.0	2112.2	2139.2	2147.5	2162.0	2169.6	2166.8
15°	2167.9	2204.8	2233.0	2247.0	2265.2	2270.5	2277.9
17.5°	2238.3	2287.8	2320.7	2364.4	2380.9	2391.0	2385.1
20°	2291.4	2356.5	2389.4	2441.7	2470.6	2486.1	2480.6
22.5°	2354.2	2424.7	2485.4	2530.8	2574.7	2595.6	2599.9
25°	2461.9	2558.5	2647.7	2707.5	2761.8	2774.6	2802.8
27.5°	2582.1	2696.0	2791.5	2854.4	2892.2	2906.4	2915.3
30°	2657.8	2771.2	2843.1	2883.3	2895.5	2894.1	2892.7
32.5°	2694.8	2765.9	2779.7	2768.5	2740.8	2717.4	2693.0
35°	2642.4	2589.4	2510.2	2408.1	2333.0	2257.1	2249.8
37.5°	2376.4	2206.9	2075.1	1927.9	1842.9	1790.4	1754.2
40°	2126.2	1933.6	1773.9	1649.8	1563.1	1529.0	1495.4
42.5°	1854.6	1670.5	1529.0	1425.3	1360.2	1322.2	1295.6
45°	1506.8	1344.4	1233.6	1158.5	1106.7	1077.2	1060.4
47.5°	1234.7	1114.6	1020.5	966.2	930.5	907.6	907.7
50°	1088.6	973.9	911.5	868.5	837.6	819.5	822.9
52.5°	959.2	873.5	820.2	784.2	761.4	750.2	749.8
55°	802.0	740.3	705.4	679.2	663.7	651.0	653.8
57.5°	686.0	634.0	610.6	588.9	578.2	573.1	565.7
60°	614.2	573.9	553.7	536.2	525.6	521.5	514.1
62.5°	550.3	518.6	498.9	484.7	475.0	473.7	468.0
65°	462.4	438.2	420.9	414.1	404.1	401.4	401.4
67.5°	381.3	363.9	350.3	344.1	339.8	340.4	337.2
70°	330.2	316.2	307.4	300.7	297.3	298.0	295.3
72.5°	288.9	273.2	265.5	261.5	257.1	258.8	257.7
75°	218.8	210.8	206.7	202.7	200.0	198.6	197.3
77.5°	160.7	153.6	150.5	148.2	148.6	145.3	147.9
80°	124.2	118.1	116.1	112.8	112.1	112.1	111.4
82.5°	90.8	87.5	86.0	83.3	82.1	83.1	81.4
85°	47.0	44.3	43.7	43.7	42.3	41.0	44.3
87.5°	21.0	19.1	19.3	18.9	19.0	18.6	17.7
90°	19.4	20.5	21.4	22.0	22.6	23.3	24.0
92.5°	42.8	44.3	45.3	45.7	46.2	46.8	47.2
95°	81.7	83.3	84.3	84.7	85.2	85.6	86.0
97.5°	127.1	128.5	129.4	129.7	129.9	130.2	130.4
100°	159.1	161.1	162.3	162.7	163.2	163.7	164.1
102.5°	191.7	193.8	195.2	195.9	196.5	197.1	197.7
105°	243.1	244.4	245.5	246.2	246.8	247.5	248.1
107.5°	298.9	299.6	300.0	299.9	299.9	299.8	299.7
110°	338.2	338.8	339.1	338.8	338.6	338.4	338.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	377.1	377.5	377.4	377.0	376.6	376.2	375.8
115°	436.5	436.4	436.1	435.9	435.7	435.4	435.2
117.5°	497.0	497.1	496.8	495.9	495.1	494.1	493.3
120°	537.3	537.3	536.8	536.0	535.0	534.2	533.3
122.5°	576.8	576.6	576.2	575.4	574.7	574.0	573.3
125°	635.0	634.6	634.2	634.0	633.8	633.5	633.4
127.5°	693.3	693.1	692.8	692.3	691.8	691.4	691.0
130°	731.7	731.5	731.2	730.7	730.3	729.8	729.4
132.5°	768.5	768.3	767.9	767.2	766.6	766.0	765.4
135°	825.4	825.4	825.0	824.1	823.2	822.3	821.4
137.5°	880.9	881.1	880.7	879.6	878.5	877.4	876.2
140°	915.8	916.3	915.9	914.8	913.7	912.6	911.5
142.5°	949.7	949.9	949.5	948.4	947.4	946.2	945.1
145°	998.5	998.5	998.2	997.6	996.9	996.2	995.5
147.5°	1044.6	1045.1	1044.6	1043.1	1041.6	1040.1	1038.5
150°	1072.5	1072.5	1072.4	1071.9	1071.4	1071.0	1070.6
152.5°	1099.8	1100.3	1100.2	1099.4	1098.5	1097.8	1097.0
155°	1138.2	1139.2	1139.0	1137.9	1136.8	1135.7	1134.6
157.5°	1171.3	1172.2	1171.9	1170.4	1169.0	1167.5	1166.1
160°	1191.3	1192.1	1192.1	1190.9	1189.8	1188.7	1187.7
162.5°	1210.2	1211.3	1211.2	1209.9	1208.6	1207.3	1206.0
165°	1235.3	1236.2	1236.0	1234.7	1233.3	1232.0	1230.6
167.5°	1254.5	1255.8	1255.8	1254.4	1253.0	1251.6	1250.3
170°	1265.7	1267.0	1266.9	1265.3	1263.8	1262.2	1260.7
172.5°	1273.7	1275.0	1275.0	1273.6	1272.2	1270.8	1269.5
175°	1282.6	1284.0	1283.9	1282.4	1280.8	1279.2	1277.6
177.5°	1286.5	1287.5	1287.5	1286.2	1285.0	1283.8	1282.5
180°	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6	1285.6

(END OF REPORT)