

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: P331857-935

Luminaire Tested: **S122RDIW-S1005D1240U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331857-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122RDIW-S1005D1240U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1240 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7550.9 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

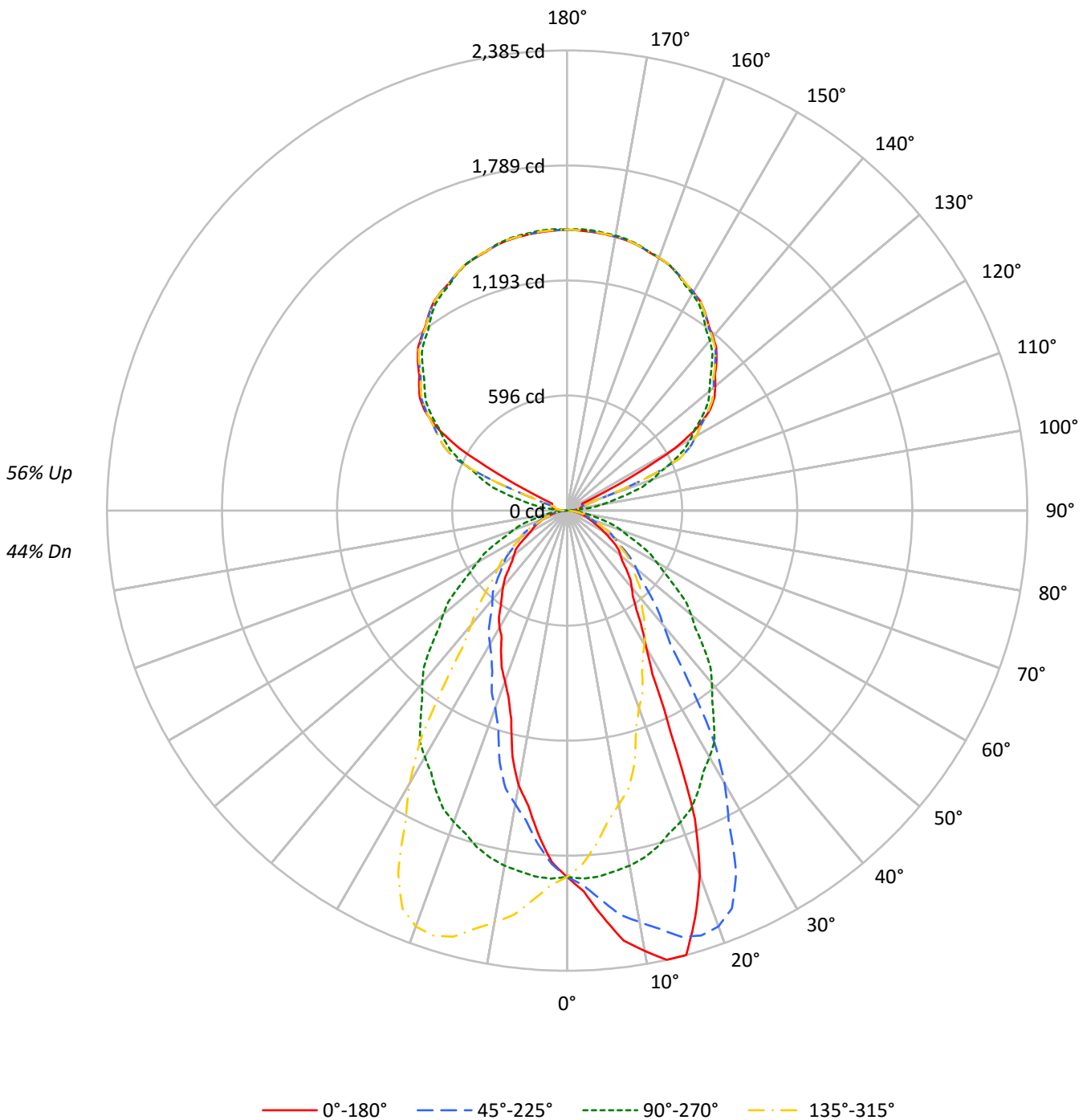
Input Watts (W): 76.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	45	44	44	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	82	73	66	60	74	67	61	56	56	52	48	46	43	41	37	35	33	29
4	75	65	57	52	68	60	53	48	50	46	42	42	38	35	33	31	29	25
5	69	58	51	45	63	54	47	42	45	40	37	38	34	31	30	28	26	23
6	64	52	45	39	58	49	42	37	41	36	32	34	31	28	28	25	23	20
7	59	48	40	35	54	44	38	33	38	33	29	32	28	25	26	23	21	18
8	55	43	36	31	51	40	34	29	35	29	26	29	25	22	24	21	19	17
9	51	40	33	28	47	37	31	26	32	27	23	27	23	20	22	19	17	15
10	48	37	30	25	44	34	28	24	29	25	21	25	21	19	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30658	30658	30658	30658
5°	34240	30851	27353	30851
10°	37990	30634	23710	30634
15°	39858	30186	18683	30186
20°	34553	29520	16167	29520
25°	22661	28609	14434	28609
30°	15252	27505	13064	27505
35°	12354	26112	11783	26112
40°	10985	24601	10903	24601
45°	9944	22825	9732	22825
50°	9048	21064	9018	21064
55°	8507	19111	8397	19111
60°	7114	17321	7030	17321
65°	5998	15729	6804	15729
70°	5542	14049	6420	14049
75°	5190	12227	5926	12227
80°	4788	10060	5272	10060
85°	4409	7947	4650	7947



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	2.4
10°-20°	501.6	6.6
20°-30°	646.3	8.6
30°-40°	614.2	8.1
40°-50°	526.2	7.0
50°-60°	400.7	5.3
60°-70°	253.3	3.4
70°-80°	126.5	1.7
80°-90°	36.5	0.5
90°-100°	48.6	0.6
100°-110°	178.1	2.4
110°-120°	476.0	6.3
120°-130°	785.7	10.4
130°-140°	835.5	11.1
140°-150°	776.6	10.3
150°-160°	624.4	8.3
160°-170°	402.3	5.3
170°-180°	138.5	1.8
0°-30°	1327.9	17.6
0°-40°	1942.1	25.7
0°-60°	2869.0	38.0
0°-90°	3285.3	43.5
90°-120°	702.6	9.3
90°-150°	3100.4	41.1
90°-180°	4266.0	56.5
0°-180°	7550.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1899	1899	1899	1899	1899	
5°	2113	1904	1688	1904	2113	209
15°	2384	1806	1118	1806	2384	643
25°	1272	1606	810	1606	1272	604
35°	627	1325	598	1325	627	401
45°	436	1000	426	1000	436	337
55°	302	679	298	679	302	265
65°	157	412	178	412	157	160
75°	83	196	95	196	83	88
85°	24	43	25	43	24	26
90°	28	1	28	1	28	14
95°	45	68	45	68	45	42
105°	80	320	80	320	80	83
115°	86	606	86	606	86	216
125°	900	856	900	856	900	779
135°	1094	1060	1094	1060	1094	843
145°	1248	1229	1248	1229	1248	781
155°	1354	1353	1354	1353	1354	625
165°	1423	1426	1423	1426	1423	402
175°	1450	1459	1450	1459	1450	138
180°	1456	1456	1456	1456	1456	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1975.9	1977.5	1979.1	1975.4	1975.4	1972.2	1965.4	1960.1	1945.3	1943.2	1943.2
5°	2112.6	2111.3	2113.9	2105.4	2093.5	2090.9	2078.4	2061.8	2044.7	2025.6	2021.6
7.5°	2248.6	2246.6	2241.3	2239.9	2230.8	2210.8	2190.6	2169.1	2140.6	2112.8	2098.8
10°	2317.2	2339.0	2325.7	2302.7	2307.3	2276.3	2259.8	2231.5	2207.7	2166.1	2156.9
12.5°	2384.7	2393.3	2389.1	2376.0	2370.1	2348.5	2326.2	2301.6	2257.8	2220.4	2188.0
15°	2384.5	2397.0	2400.3	2396.3	2399.7	2398.3	2386.4	2366.0	2327.7	2286.8	2251.2
17.5°	2208.5	2217.2	2238.8	2253.4	2271.9	2311.0	2330.2	2337.8	2332.1	2308.8	2283.6
20°	2011.0	1996.5	2057.2	2088.3	2114.6	2180.6	2237.3	2259.1	2294.0	2293.4	2286.8
22.5°	1731.3	1734.7	1792.3	1829.1	1906.2	1972.1	2036.8	2118.7	2186.4	2231.1	2257.3
25°	1272.0	1297.2	1354.5	1404.7	1490.5	1613.2	1724.7	1854.0	1976.1	2072.4	2164.1
27.5°	955.4	957.3	1002.7	1049.0	1100.0	1200.6	1340.9	1495.4	1669.4	1813.0	1978.1
30°	818.1	814.2	833.3	861.7	905.3	983.1	1088.6	1240.4	1413.9	1630.3	1823.0
32.5°	721.0	721.3	735.6	756.6	792.8	845.3	917.7	1040.9	1204.9	1417.6	1643.6
35°	626.8	626.1	636.7	651.9	667.0	700.7	750.2	814.9	927.6	1126.3	1357.2
37.5°	559.2	562.1	567.3	576.8	593.6	612.3	642.0	685.4	765.8	883.2	1077.3
40°	521.2	522.5	529.8	537.7	547.6	562.1	586.5	621.6	680.3	774.0	915.8
42.5°	486.4	487.8	492.8	500.2	508.1	522.5	542.8	573.0	620.6	693.7	810.7
45°	435.5	435.5	440.1	443.4	451.9	465.1	481.6	506.7	539.7	593.8	671.7
47.5°	387.7	387.8	390.9	396.6	401.9	412.2	428.4	448.9	472.9	514.8	581.3
50°	360.2	360.9	362.9	367.5	370.8	380.0	392.6	410.4	435.5	467.8	523.2
52.5°	338.1	337.7	340.2	342.2	344.4	351.0	360.4	376.1	398.5	426.6	472.5
55°	302.2	299.5	303.5	306.8	308.8	311.4	316.7	326.6	345.7	369.5	403.8
57.5°	257.4	256.2	259.1	262.1	268.3	275.4	279.9	286.2	296.1	313.1	347.2
60°	220.3	220.3	226.3	228.3	235.6	244.8	254.0	259.3	269.2	280.4	305.5
62.5°	187.6	188.2	191.0	193.0	197.0	208.4	221.3	232.9	242.3	253.0	269.6
65°	157.0	158.3	158.3	159.6	162.3	165.0	170.2	179.4	196.0	211.1	223.7
67.5°	133.3	133.7	134.1	135.3	136.0	139.0	141.0	145.2	149.0	163.3	178.9
70°	117.4	119.4	118.7	120.1	120.7	122.1	124.7	126.7	132.6	136.0	145.2
72.5°	102.6	104.1	104.0	104.8	106.5	106.8	108.8	110.8	114.7	117.4	122.4
75°	83.2	82.5	83.2	84.5	85.2	85.8	85.8	88.4	90.4	93.0	96.3
77.5°	64.1	64.8	64.7	64.8	64.9	66.1	66.0	67.2	69.1	70.4	72.1
80°	51.5	52.1	51.5	52.1	52.8	53.5	52.8	53.5	55.4	56.7	56.7
82.5°	39.9	40.0	40.4	40.6	40.6	40.8	41.7	41.8	43.3	43.0	43.6
85°	23.8	23.1	23.1	23.1	23.8	24.5	23.8	23.8	24.5	24.5	24.5
87.5°	14.1	14.6	14.5	14.4	14.3	14.1	13.9	14.2	13.4	13.7	12.8
90°	28.4	28.0	27.5	27.0	26.6	25.7	24.5	23.4	22.2	21.1	19.2
92.5°	28.4	28.2	27.9	27.6	27.3	26.9	26.3	25.7	25.1	24.5	23.5
95°	45.3	45.5	45.7	46.0	46.2	45.7	44.6	43.4	42.3	41.1	39.4
97.5°	60.4	60.2	59.9	59.6	59.3	58.7	57.8	56.8	55.9	55.0	51.2
100°	70.6	70.1	69.7	69.1	68.7	67.5	65.6	63.8	61.9	60.0	56.1
102.5°	75.6	75.0	74.3	73.6	73.0	71.5	69.1	66.6	64.1	61.7	59.0
105°	80.1	79.1	78.2	77.2	76.3	74.6	72.0	69.4	66.8	64.2	61.1
107.5°	82.4	81.5	80.5	79.6	78.6	79.5	82.1	84.7	87.3	90.0	93.0
110°	83.2	82.3	81.4	80.4	79.5	90.7	114.1	137.5	160.9	184.3	215.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	84.0	83.3	82.6	81.8	81.0	123.4	208.8	294.1	379.5	464.9	481.6
115°	86.4	103.2	120.1	136.9	153.8	216.4	324.8	433.1	541.5	649.9	644.0
117.5°	352.6	408.0	463.4	518.8	574.1	614.9	641.1	667.4	693.5	719.8	715.7
120°	642.5	674.1	705.7	737.3	768.9	783.3	780.4	777.7	774.8	772.0	767.8
122.5°	801.7	807.9	814.0	820.1	826.2	828.5	826.8	825.1	823.4	821.7	817.2
125°	900.5	899.8	899.1	898.4	897.7	896.6	894.9	893.3	891.7	890.0	885.5
127.5°	962.9	962.7	962.6	962.4	962.3	961.0	958.6	956.2	953.9	951.5	948.1
130°	1001.6	1001.9	1002.1	1002.3	1002.5	1001.3	998.8	996.3	993.7	991.1	988.5
132.5°	1039.6	1039.7	1040.0	1040.3	1040.4	1039.5	1037.2	1035.1	1032.9	1030.7	1028.1
135°	1094.3	1094.8	1095.3	1095.7	1096.1	1095.3	1092.9	1090.5	1088.2	1085.9	1083.7
137.5°	1144.2	1145.0	1145.8	1146.6	1147.4	1146.7	1144.4	1142.0	1139.8	1137.5	1135.1
140°	1175.4	1176.6	1177.8	1178.9	1180.1	1179.7	1177.5	1175.4	1173.3	1171.2	1168.6
142.5°	1205.7	1206.9	1208.1	1209.3	1210.4	1210.0	1208.2	1206.2	1204.3	1202.4	1199.4
145°	1248.1	1249.2	1250.4	1251.5	1252.8	1252.5	1250.9	1249.2	1247.6	1246.0	1242.0
147.5°	1285.4	1286.3	1287.3	1288.3	1289.3	1289.2	1288.0	1286.8	1285.6	1284.3	1280.4
150°	1308.1	1309.2	1310.4	1311.6	1312.8	1312.7	1311.3	1309.8	1308.5	1307.1	1303.3
152.5°	1327.5	1329.0	1330.6	1332.1	1333.7	1333.8	1332.3	1330.9	1329.6	1328.1	1324.6
155°	1354.4	1356.3	1358.2	1360.0	1361.9	1362.2	1360.8	1359.3	1358.0	1356.6	1353.8
157.5°	1379.1	1381.0	1382.8	1384.6	1386.4	1386.6	1384.9	1383.4	1381.7	1380.2	1378.2
160°	1393.4	1395.1	1396.7	1398.4	1400.0	1400.1	1398.7	1397.3	1395.9	1394.5	1393.1
162.5°	1405.2	1407.2	1409.2	1411.3	1413.2	1413.5	1411.9	1410.3	1408.7	1407.1	1405.9
165°	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4	1427.8	1426.2	1424.5	1422.9	1422.2
167.5°	1434.1	1436.1	1438.3	1440.4	1442.5	1442.7	1441.1	1439.4	1437.8	1436.1	1435.5
170°	1440.8	1442.9	1445.0	1447.2	1449.2	1449.5	1447.9	1446.2	1444.6	1442.9	1442.4
172.5°	1445.9	1447.9	1450.1	1452.2	1454.3	1454.5	1452.9	1451.2	1449.6	1447.9	1447.5
175°	1450.3	1452.6	1455.0	1457.3	1459.7	1460.0	1458.4	1456.7	1455.1	1453.5	1453.0
177.5°	1453.0	1454.7	1456.4	1458.1	1459.7	1460.0	1458.6	1457.3	1456.0	1454.7	1454.5
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1944.3	1940.0	1936.4	1926.8	1922.1	1911.5	1910.0	1909.4	1895.7	1882.5	1878.8
5°	2011.0	2000.4	1984.7	1966.2	1947.1	1927.3	1914.1	1903.5	1877.1	1852.0	1837.5
7.5°	2078.4	2055.6	2028.3	1993.4	1964.2	1931.5	1907.2	1885.4	1848.0	1812.1	1787.9
10°	2128.5	2091.5	2055.2	2007.1	1969.5	1932.5	1898.2	1868.5	1826.3	1778.8	1745.2
12.5°	2159.6	2119.0	2069.0	2021.9	1973.2	1926.2	1880.3	1842.1	1792.5	1743.4	1703.5
15°	2201.7	2158.2	2097.5	2030.2	1967.5	1906.2	1853.4	1805.9	1741.2	1682.5	1633.7
17.5°	2236.2	2176.3	2111.1	2033.3	1960.7	1882.7	1814.7	1754.0	1682.0	1611.2	1553.7
20°	2247.2	2187.9	2112.6	2034.8	1949.0	1857.3	1784.1	1718.1	1640.9	1563.7	1497.7
22.5°	2240.4	2194.2	2110.6	2017.4	1929.5	1833.6	1750.8	1674.3	1588.6	1509.8	1433.3
25°	2193.8	2178.0	2098.8	1997.2	1896.9	1785.4	1689.7	1605.9	1508.3	1423.8	1340.7
27.5°	2085.2	2119.4	2070.3	1962.0	1850.5	1731.0	1623.5	1528.1	1426.8	1331.7	1248.9
30°	1980.7	2059.2	2038.1	1937.8	1813.1	1695.7	1574.9	1475.3	1367.1	1269.5	1187.7
32.5°	1837.6	1967.4	1988.0	1904.0	1775.1	1646.1	1519.5	1420.4	1307.4	1204.5	1124.8
35°	1609.9	1803.9	1892.9	1839.5	1710.2	1571.0	1440.3	1324.8	1211.3	1109.7	1030.6
37.5°	1338.2	1602.4	1750.8	1754.6	1635.9	1491.2	1348.8	1234.2	1118.1	1018.3	932.7
40°	1161.9	1448.2	1641.6	1684.5	1584.2	1427.8	1283.9	1167.2	1053.7	956.1	857.7
42.5°	1003.6	1288.8	1526.5	1601.0	1521.4	1366.1	1221.7	1099.6	989.3	896.9	796.5
45°	811.6	1060.9	1322.8	1456.1	1412.0	1268.1	1115.7	999.6	896.0	816.1	719.8
47.5°	684.6	860.4	1113.9	1294.1	1293.3	1162.0	1012.1	900.9	804.8	730.0	652.0
50°	612.3	765.3	979.8	1184.3	1201.4	1091.3	948.7	838.6	748.9	670.4	607.7
52.5°	547.3	673.5	866.3	1062.4	1111.2	1015.8	877.5	775.8	688.7	616.5	562.8
55°	462.5	560.2	706.6	890.0	964.0	896.6	774.0	678.9	608.3	547.6	501.4
57.5°	391.2	464.5	582.0	729.7	815.8	773.4	672.2	595.0	534.6	479.7	443.2
60°	346.4	406.4	506.1	629.5	724.4	694.7	608.3	536.4	484.9	437.5	403.1
62.5°	304.2	355.8	441.2	541.3	628.4	616.1	545.5	485.2	440.1	396.8	367.7
65°	244.8	282.4	349.0	427.6	497.5	503.4	452.6	411.7	371.4	337.2	311.4
67.5°	194.9	219.5	266.4	332.5	385.0	403.6	372.6	341.4	309.4	282.9	260.6
70°	164.3	184.1	218.3	271.8	320.0	339.8	322.0	297.6	269.8	248.1	228.9
72.5°	133.1	152.4	177.7	217.0	258.2	279.7	273.5	255.9	233.4	215.3	197.3
75°	100.3	106.2	123.4	149.8	182.1	200.6	205.2	196.0	178.1	164.3	153.7
77.5°	74.1	77.7	85.9	99.8	120.9	137.3	144.1	143.0	130.8	122.7	112.8
80°	59.4	61.4	65.3	71.3	87.1	103.6	108.2	108.2	99.6	96.3	86.4
82.5°	45.1	46.6	49.0	52.3	59.7	74.0	79.2	80.2	74.8	70.4	62.7
85°	25.7	25.1	26.4	28.4	29.7	33.7	41.6	42.9	41.6	36.2	34.3
87.5°	12.4	12.6	12.2	11.3	11.3	11.3	13.4	15.5	13.9	12.8	12.3
90°	17.3	15.4	13.6	11.4	8.8	6.2	3.6	1.0	3.6	6.2	8.8
92.5°	22.6	21.6	20.7	20.3	20.6	20.8	21.0	21.3	21.0	20.8	20.6
95°	37.8	36.2	34.5	37.5	45.3	53.0	60.7	68.4	60.7	53.0	45.3
97.5°	47.4	43.6	39.8	48.8	70.6	92.3	114.1	135.9	114.1	92.3	70.6
100°	52.1	48.1	44.1	58.2	90.2	122.3	154.4	186.4	154.4	122.3	90.2
102.5°	128.3	161.5	194.8	214.9	221.7	228.4	235.2	242.0	235.2	228.4	221.7
105°	192.0	256.0	319.9	348.3	341.2	334.2	327.2	320.2	327.2	334.2	341.2
107.5°	243.2	319.9	396.5	432.0	426.3	420.6	414.9	409.3	414.9	420.6	426.3
110°	319.6	387.3	454.9	486.2	481.3	476.4	471.5	466.6	471.5	476.4	481.3



TEST NUMBER: P331857-935

CATALOG NUMBER: S122RDIW-S1005D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	498.3	515.1	531.8	538.0	533.6	529.2	524.9	520.5	524.9	529.2	533.6
115°	638.2	632.3	626.5	621.6	617.5	613.5	609.6	605.6	609.6	613.5	617.5
117.5°	711.7	707.7	703.7	699.5	695.0	690.5	686.1	681.7	686.1	690.5	695.0
120°	763.6	759.4	755.2	751.3	747.8	744.2	740.8	737.3	740.8	744.2	747.8
122.5°	812.5	808.0	803.4	799.3	795.6	791.9	788.2	784.5	788.2	791.9	795.6
125°	881.1	876.7	872.2	868.4	865.4	862.4	859.3	856.3	859.3	862.4	865.4
127.5°	944.9	941.5	938.2	934.9	931.5	928.1	924.7	921.4	924.7	928.1	931.5
130°	985.9	983.3	980.8	977.7	973.9	970.2	966.4	962.7	966.4	970.2	973.9
132.5°	1025.5	1023.0	1020.4	1017.5	1014.3	1011.2	1008.0	1004.8	1008.0	1011.2	1014.3
135°	1081.7	1079.5	1077.5	1074.5	1070.7	1067.0	1063.2	1059.5	1063.2	1067.0	1070.7
137.5°	1132.7	1130.3	1127.9	1125.4	1122.8	1120.2	1117.6	1114.9	1117.6	1120.2	1122.8
140°	1166.1	1163.5	1160.9	1158.6	1156.8	1154.9	1153.1	1151.2	1153.1	1154.9	1156.8
142.5°	1196.4	1193.5	1190.6	1188.3	1186.5	1184.9	1183.2	1181.6	1183.2	1184.9	1186.5
145°	1238.0	1234.1	1230.0	1228.2	1228.4	1228.6	1228.9	1229.1	1228.9	1228.6	1228.4
147.5°	1276.4	1272.5	1268.6	1267.0	1267.9	1268.9	1269.7	1270.6	1269.7	1268.9	1267.9
150°	1299.6	1295.8	1292.1	1291.0	1292.6	1294.3	1296.0	1297.6	1296.0	1294.3	1292.6
152.5°	1321.0	1317.4	1313.9	1313.0	1314.8	1316.6	1318.5	1320.3	1318.5	1316.6	1314.8
155°	1350.9	1348.2	1345.3	1345.0	1347.0	1349.2	1351.3	1353.4	1351.3	1349.2	1347.0
157.5°	1376.2	1374.2	1372.3	1372.2	1374.0	1375.7	1377.5	1379.3	1377.5	1375.7	1374.0
160°	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1393.1	1391.6	1390.3
162.5°	1404.6	1403.4	1402.2	1402.3	1403.8	1405.2	1406.5	1408.0	1406.5	1405.2	1403.8
165°	1421.5	1420.8	1420.1	1420.5	1421.9	1423.2	1424.7	1426.1	1424.7	1423.2	1421.9
167.5°	1434.9	1434.3	1433.6	1433.9	1435.4	1436.8	1438.1	1439.6	1438.1	1436.8	1435.4
170°	1442.0	1441.5	1441.1	1441.5	1442.9	1444.3	1445.7	1447.2	1445.7	1444.3	1442.9
172.5°	1447.0	1446.6	1446.1	1446.6	1447.9	1449.4	1450.8	1452.2	1450.8	1449.4	1447.9
175°	1452.5	1452.1	1451.6	1452.2	1453.8	1455.4	1457.1	1458.7	1457.1	1455.4	1453.8
177.5°	1454.3	1454.1	1454.0	1454.5	1455.9	1457.2	1458.4	1459.7	1458.4	1457.2	1455.9
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



TEST NUMBER: P331857-935

CATALOG NUMBER: S122RDIW-S1005D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1872.0	1868.3	1861.4	1850.8	1844.5	1833.4	1826.0	1830.2	1831.3	1830.2	1829.2
5°	1821.7	1807.8	1788.7	1770.2	1753.1	1734.6	1724.1	1719.4	1710.2	1704.9	1702.3
7.5°	1760.8	1737.0	1709.9	1677.7	1650.4	1621.8	1607.1	1599.8	1581.0	1570.7	1561.7
10°	1715.5	1677.8	1650.8	1608.6	1582.9	1545.2	1519.5	1520.2	1494.4	1479.9	1469.4
12.5°	1665.3	1624.0	1579.0	1541.0	1505.3	1475.1	1444.0	1431.5	1404.2	1390.2	1361.7
15°	1582.2	1534.0	1486.5	1435.0	1398.8	1351.9	1307.1	1252.3	1208.1	1169.8	1159.3
17.5°	1491.4	1431.8	1384.1	1323.7	1261.5	1182.8	1130.8	1099.0	1072.3	1052.1	1037.1
20°	1429.1	1368.4	1317.6	1226.6	1142.7	1089.3	1051.0	1026.7	998.9	977.1	965.3
22.5°	1363.7	1300.3	1231.1	1129.5	1064.1	1021.2	987.1	959.1	940.3	923.3	912.5
25°	1270.7	1201.4	1087.4	1017.4	964.6	919.7	896.0	878.8	859.0	835.9	825.4
27.5°	1172.6	1062.4	980.4	928.4	878.0	848.9	827.5	801.9	784.2	773.8	762.8
30°	1099.2	989.0	925.1	868.3	832.7	800.3	775.2	760.8	743.6	725.7	718.5
32.5°	1017.4	929.4	868.1	820.8	784.6	757.1	737.3	713.8	701.4	690.4	675.2
35°	915.8	849.1	793.1	754.8	720.5	698.1	674.9	661.1	638.7	629.5	623.5
37.5°	829.7	772.0	730.1	689.7	662.5	637.7	623.6	601.6	591.9	579.0	566.5
40°	781.2	724.4	684.2	651.2	620.9	602.4	584.5	566.8	552.2	546.3	531.2
42.5°	731.6	685.4	645.1	609.0	588.7	569.1	546.6	533.5	518.5	508.9	499.5
45°	663.1	622.2	587.9	558.2	535.7	515.3	500.8	479.0	470.5	451.3	443.4
47.5°	603.0	564.9	532.2	503.9	482.1	468.7	447.5	430.4	416.7	405.0	394.9
50°	560.2	528.5	496.8	471.7	451.9	432.8	411.0	402.4	381.3	375.4	369.5
52.5°	521.1	491.0	462.0	437.5	417.7	399.1	379.9	368.7	354.5	348.5	344.1
55°	466.5	437.5	409.7	388.0	368.2	349.0	337.2	323.3	316.7	312.1	306.8
57.5°	411.6	385.5	364.2	342.2	322.3	307.0	293.3	285.0	278.2	272.1	265.8
60°	376.8	351.6	332.5	312.1	291.6	279.1	268.5	258.6	250.7	241.5	238.8
62.5°	339.8	317.9	300.3	280.4	262.6	251.2	241.1	231.7	222.2	208.8	205.1
65°	289.0	271.8	253.4	236.9	221.0	209.8	195.3	184.8	180.8	179.4	178.8
67.5°	243.1	226.9	211.0	194.1	179.7	169.3	162.0	160.3	157.6	156.8	154.9
70°	212.5	197.3	181.4	165.6	151.8	149.8	147.1	144.5	141.2	139.9	138.5
72.5°	185.0	169.3	153.4	140.8	134.8	132.3	129.8	127.1	124.8	123.6	122.7
75°	141.9	127.3	116.8	112.2	108.8	106.9	102.9	100.9	99.6	97.6	96.9
77.5°	102.1	93.9	89.1	86.2	82.7	80.6	78.4	76.4	75.0	74.6	73.5
80°	77.8	73.9	70.6	66.6	65.3	62.7	62.0	60.0	60.7	58.7	58.7
82.5°	60.4	55.4	52.7	50.8	49.5	47.4	46.8	45.8	45.9	44.4	44.4
85°	31.0	29.7	28.4	27.0	27.0	25.1	25.7	25.1	25.1	23.8	23.1
87.5°	12.3	12.2	11.5	11.9	12.3	12.1	12.4	12.1	12.3	12.6	12.1
90°	11.4	13.6	15.4	17.3	19.2	21.1	22.2	23.4	24.5	25.7	26.6
92.5°	20.3	20.7	21.6	22.6	23.5	24.5	25.1	25.7	26.3	26.9	27.3
95°	37.5	34.5	36.2	37.8	39.4	41.1	42.3	43.4	44.6	45.7	46.2
97.5°	48.8	39.8	43.6	47.4	51.2	55.0	55.9	56.8	57.8	58.7	59.3
100°	58.2	44.1	48.1	52.1	56.1	60.0	61.9	63.8	65.6	67.5	68.7
102.5°	214.9	194.8	161.5	128.3	95.0	61.7	64.1	66.6	69.1	71.5	73.0
105°	348.3	319.9	256.0	192.0	128.1	64.2	66.8	69.4	72.0	74.6	76.3
107.5°	432.0	396.5	319.9	243.2	166.6	90.0	87.3	84.7	82.1	79.5	78.6
110°	486.2	454.9	387.3	319.6	251.9	184.3	160.9	137.5	114.1	90.7	79.5



TEST NUMBER: P331857-935

CATALOG NUMBER: S122RDIW-S1005D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	538.0	531.8	515.1	498.3	481.6	464.9	379.5	294.1	208.8	123.4	81.0
115°	621.6	626.5	632.3	638.2	644.0	649.9	541.5	433.1	324.8	216.4	153.8
117.5°	699.5	703.7	707.7	711.7	715.7	719.8	693.5	667.4	641.1	614.9	574.1
120°	751.3	755.2	759.4	763.6	767.8	772.0	774.8	777.7	780.4	783.3	768.9
122.5°	799.3	803.4	808.0	812.5	817.2	821.7	823.4	825.1	826.8	828.5	826.2
125°	868.4	872.2	876.7	881.1	885.5	890.0	891.7	893.3	894.9	896.6	897.7
127.5°	934.9	938.2	941.5	944.9	948.1	951.5	953.9	956.2	958.6	961.0	962.3
130°	977.7	980.8	983.3	985.9	988.5	991.1	993.7	996.3	998.8	1001.3	1002.5
132.5°	1017.5	1020.4	1023.0	1025.5	1028.1	1030.7	1032.9	1035.1	1037.2	1039.5	1040.4
135°	1074.5	1077.5	1079.5	1081.7	1083.7	1085.9	1088.2	1090.5	1092.9	1095.3	1096.1
137.5°	1125.4	1127.9	1130.3	1132.7	1135.1	1137.5	1139.8	1142.0	1144.4	1146.7	1147.4
140°	1158.6	1160.9	1163.5	1166.1	1168.6	1171.2	1173.3	1175.4	1177.5	1179.7	1180.1
142.5°	1188.3	1190.6	1193.5	1196.4	1199.4	1202.4	1204.3	1206.2	1208.2	1210.0	1210.4
145°	1228.2	1230.0	1234.1	1238.0	1242.0	1246.0	1247.6	1249.2	1250.9	1252.5	1252.8
147.5°	1267.0	1268.6	1272.5	1276.4	1280.4	1284.3	1285.6	1286.8	1288.0	1289.2	1289.3
150°	1291.0	1292.1	1295.8	1299.6	1303.3	1307.1	1308.5	1309.8	1311.3	1312.7	1312.8
152.5°	1313.0	1313.9	1317.4	1321.0	1324.6	1328.1	1329.6	1330.9	1332.3	1333.8	1333.7
155°	1345.0	1345.3	1348.2	1350.9	1353.8	1356.6	1358.0	1359.3	1360.8	1362.2	1361.9
157.5°	1372.2	1372.3	1374.2	1376.2	1378.2	1380.2	1381.7	1383.4	1384.9	1386.6	1386.4
160°	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1395.9	1397.3	1398.7	1400.1	1400.0
162.5°	1402.3	1402.2	1403.4	1404.6	1405.9	1407.1	1408.7	1410.3	1411.9	1413.5	1413.2
165°	1420.5	1420.1	1420.8	1421.5	1422.2	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4
167.5°	1433.9	1433.6	1434.3	1434.9	1435.5	1436.1	1437.8	1439.4	1441.1	1442.7	1442.5
170°	1441.5	1441.1	1441.5	1442.0	1442.4	1442.9	1444.6	1446.2	1447.9	1449.5	1449.2
172.5°	1446.6	1446.1	1446.6	1447.0	1447.5	1447.9	1449.6	1451.2	1452.9	1454.5	1454.3
175°	1452.2	1451.6	1452.1	1452.5	1453.0	1453.5	1455.1	1456.7	1458.4	1460.0	1459.7
177.5°	1454.5	1454.0	1454.1	1454.3	1454.5	1454.7	1456.0	1457.3	1458.6	1460.0	1459.7
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



TEST NUMBER: P331857-935

CATALOG NUMBER: S122RDIW-S1005D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1823.4	1824.5	1822.9	1823.9	1822.9	1824.5	1823.4	1829.2	1830.2	1831.3	1830.2
5°	1698.9	1691.0	1689.7	1687.7	1689.7	1691.0	1698.9	1702.3	1704.9	1710.2	1719.4
7.5°	1550.4	1549.2	1545.9	1541.3	1545.9	1549.2	1550.4	1561.7	1570.7	1581.0	1599.8
10°	1454.8	1451.6	1450.9	1446.2	1450.9	1451.6	1454.8	1469.4	1479.9	1494.4	1520.2
12.5°	1342.9	1321.7	1319.5	1307.9	1319.5	1321.7	1342.9	1361.7	1390.2	1404.2	1431.5
15°	1143.4	1139.4	1126.3	1117.7	1126.3	1139.4	1143.4	1159.3	1169.8	1208.1	1252.3
17.5°	1029.4	1016.5	1012.4	1010.6	1012.4	1016.5	1029.4	1037.1	1052.1	1072.3	1099.0
20°	956.1	944.2	942.2	940.9	942.2	944.2	956.1	965.3	977.1	998.9	1026.7
22.5°	905.3	892.9	887.8	883.8	887.8	892.9	905.3	912.5	923.3	940.3	959.1
25°	818.8	814.2	811.6	810.2	811.6	814.2	818.8	825.4	835.9	859.0	878.8
27.5°	751.1	741.0	739.0	735.6	739.0	741.0	751.1	762.8	773.8	784.2	801.9
30°	712.6	709.3	704.6	700.7	704.6	709.3	712.6	718.5	725.7	743.6	760.8
32.5°	667.2	664.4	660.3	658.5	660.3	664.4	667.2	675.2	690.4	701.4	713.8
35°	616.9	607.7	603.7	597.8	603.7	607.7	616.9	623.5	629.5	638.7	661.1
37.5°	563.7	558.9	553.3	555.3	553.3	558.9	563.7	566.5	579.0	591.9	601.6
40°	522.5	519.3	518.0	517.3	518.0	519.3	522.5	531.2	546.3	552.2	566.8
42.5°	489.8	480.7	477.3	477.2	477.3	480.7	489.8	499.5	508.9	518.5	533.5
45°	440.1	431.5	425.6	426.2	425.6	431.5	440.1	443.4	451.3	470.5	479.0
47.5°	389.2	388.9	385.2	386.3	385.2	388.9	389.2	394.9	405.0	416.7	430.4
50°	364.9	360.9	358.3	359.0	358.3	360.9	364.9	369.5	375.4	381.3	402.4
52.5°	341.6	338.2	336.1	338.9	336.1	338.2	341.6	344.1	348.5	354.5	368.7
55°	303.5	299.5	298.9	298.3	298.9	299.5	303.5	306.8	312.1	316.7	323.3
57.5°	260.9	258.2	254.3	252.5	254.3	258.2	260.9	265.8	272.1	278.2	285.0
60°	230.2	225.0	218.3	217.7	218.3	225.0	230.2	238.8	241.5	250.7	258.6
62.5°	202.2	201.2	199.9	199.8	199.9	201.2	202.2	205.1	208.8	222.2	231.7
65°	177.5	176.8	177.5	178.1	177.5	176.8	177.5	178.8	179.4	180.8	184.8
67.5°	154.6	153.4	152.3	152.8	152.3	153.4	154.6	154.9	156.8	157.6	160.3
70°	137.2	136.6	136.0	136.0	136.0	136.6	137.2	138.5	139.9	141.2	144.5
72.5°	120.4	120.2	119.6	119.0	119.6	120.2	120.4	122.7	123.6	124.8	127.1
75°	96.3	95.0	95.0	95.0	95.0	95.0	96.3	96.9	97.6	99.6	100.9
77.5°	73.4	72.7	72.1	71.5	72.1	72.7	73.4	73.5	74.6	75.0	76.4
80°	58.0	57.4	56.7	56.7	56.7	57.4	58.0	58.7	58.7	60.7	60.0
82.5°	44.3	43.7	43.6	43.0	43.6	43.7	44.3	44.4	44.4	45.9	45.8
85°	23.8	24.5	23.8	25.1	23.8	24.5	23.8	23.1	23.8	25.1	25.1
87.5°	12.2	11.8	12.5	12.1	12.5	11.8	12.2	12.1	12.6	12.3	12.1
90°	27.0	27.5	28.0	28.4	28.0	27.5	27.0	26.6	25.7	24.5	23.4
92.5°	27.6	27.9	28.2	28.4	28.2	27.9	27.6	27.3	26.9	26.3	25.7
95°	46.0	45.7	45.5	45.3	45.5	45.7	46.0	46.2	45.7	44.6	43.4
97.5°	59.6	59.9	60.2	60.4	60.2	59.9	59.6	59.3	58.7	57.8	56.8
100°	69.1	69.7	70.1	70.6	70.1	69.7	69.1	68.7	67.5	65.6	63.8
102.5°	73.6	74.3	75.0	75.6	75.0	74.3	73.6	73.0	71.5	69.1	66.6
105°	77.2	78.2	79.1	80.1	79.1	78.2	77.2	76.3	74.6	72.0	69.4
107.5°	79.6	80.5	81.5	82.4	81.5	80.5	79.6	78.6	79.5	82.1	84.7
110°	80.4	81.4	82.3	83.2	82.3	81.4	80.4	79.5	90.7	114.1	137.5



TEST NUMBER: P331857-935

CATALOG NUMBER: S122RDIW-S1005D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	81.8	82.6	83.3	84.0	83.3	82.6	81.8	81.0	123.4	208.8	294.1
115°	136.9	120.1	103.2	86.4	103.2	120.1	136.9	153.8	216.4	324.8	433.1
117.5°	518.8	463.4	408.0	352.6	408.0	463.4	518.8	574.1	614.9	641.1	667.4
120°	737.3	705.7	674.1	642.5	674.1	705.7	737.3	768.9	783.3	780.4	777.7
122.5°	820.1	814.0	807.9	801.7	807.9	814.0	820.1	826.2	828.5	826.8	825.1
125°	898.4	899.1	899.8	900.5	899.8	899.1	898.4	897.7	896.6	894.9	893.3
127.5°	962.4	962.6	962.7	962.9	962.7	962.6	962.4	962.3	961.0	958.6	956.2
130°	1002.3	1002.1	1001.9	1001.6	1001.9	1002.1	1002.3	1002.5	1001.3	998.8	996.3
132.5°	1040.3	1040.0	1039.7	1039.6	1039.7	1040.0	1040.3	1040.4	1039.5	1037.2	1035.1
135°	1095.7	1095.3	1094.8	1094.3	1094.8	1095.3	1095.7	1096.1	1095.3	1092.9	1090.5
137.5°	1146.6	1145.8	1145.0	1144.2	1145.0	1145.8	1146.6	1147.4	1146.7	1144.4	1142.0
140°	1178.9	1177.8	1176.6	1175.4	1176.6	1177.8	1178.9	1180.1	1179.7	1177.5	1175.4
142.5°	1209.3	1208.1	1206.9	1205.7	1206.9	1208.1	1209.3	1210.4	1210.0	1208.2	1206.2
145°	1251.5	1250.4	1249.2	1248.1	1249.2	1250.4	1251.5	1252.8	1252.5	1250.9	1249.2
147.5°	1288.3	1287.3	1286.3	1285.4	1286.3	1287.3	1288.3	1289.3	1289.2	1288.0	1286.8
150°	1311.6	1310.4	1309.2	1308.1	1309.2	1310.4	1311.6	1312.8	1312.7	1311.3	1309.8
152.5°	1332.1	1330.6	1329.0	1327.5	1329.0	1330.6	1332.1	1333.7	1333.8	1332.3	1330.9
155°	1360.0	1358.2	1356.3	1354.4	1356.3	1358.2	1360.0	1361.9	1362.2	1360.8	1359.3
157.5°	1384.6	1382.8	1381.0	1379.1	1381.0	1382.8	1384.6	1386.4	1386.6	1384.9	1383.4
160°	1398.4	1396.7	1395.1	1393.4	1395.1	1396.7	1398.4	1400.0	1400.1	1398.7	1397.3
162.5°	1411.3	1409.2	1407.2	1405.2	1407.2	1409.2	1411.3	1413.2	1413.5	1411.9	1410.3
165°	1427.8	1426.2	1424.5	1422.9	1424.5	1426.2	1427.8	1429.4	1429.4	1427.8	1426.2
167.5°	1440.4	1438.3	1436.1	1434.1	1436.1	1438.3	1440.4	1442.5	1442.7	1441.1	1439.4
170°	1447.2	1445.0	1442.9	1440.8	1442.9	1445.0	1447.2	1449.2	1449.5	1447.9	1446.2
172.5°	1452.2	1450.1	1447.9	1445.9	1447.9	1450.1	1452.2	1454.3	1454.5	1452.9	1451.2
175°	1457.3	1455.0	1452.6	1450.3	1452.6	1455.0	1457.3	1459.7	1460.0	1458.4	1456.7
177.5°	1458.1	1456.4	1454.7	1453.0	1454.7	1456.4	1458.1	1459.7	1460.0	1458.6	1457.3
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



TEST NUMBER: P331857-935

CATALOG NUMBER: S122RDIW-S1005D1240U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1826.0	1833.4	1844.5	1850.8	1861.4	1868.3	1872.0	1878.8	1882.5	1895.7	1909.4
5°	1724.1	1734.6	1753.1	1770.2	1788.7	1807.8	1821.7	1837.5	1852.0	1877.1	1903.5
7.5°	1607.1	1621.8	1650.4	1677.7	1709.9	1737.0	1760.8	1787.9	1812.1	1848.0	1885.4
10°	1519.5	1545.2	1582.9	1608.6	1650.8	1677.8	1715.5	1745.2	1778.8	1826.3	1868.5
12.5°	1444.0	1475.1	1505.3	1541.0	1579.0	1624.0	1665.3	1703.5	1743.4	1792.5	1842.1
15°	1307.1	1351.9	1398.8	1435.0	1486.5	1534.0	1582.2	1633.7	1682.5	1741.2	1805.9
17.5°	1130.8	1182.8	1261.5	1323.7	1384.1	1431.8	1491.4	1553.7	1611.2	1682.0	1754.0
20°	1051.0	1089.3	1142.7	1226.6	1317.6	1368.4	1429.1	1497.7	1563.7	1640.9	1718.1
22.5°	987.1	1021.2	1064.1	1129.5	1231.1	1300.3	1363.7	1433.3	1509.8	1588.6	1674.3
25°	896.0	919.7	964.6	1017.4	1087.4	1201.4	1270.7	1340.7	1423.8	1508.3	1605.9
27.5°	827.5	848.9	878.0	928.4	980.4	1062.4	1172.6	1248.9	1331.7	1426.8	1528.1
30°	775.2	800.3	832.7	868.3	925.1	989.0	1099.2	1187.7	1269.5	1367.1	1475.3
32.5°	737.3	757.1	784.6	820.8	868.1	929.4	1017.4	1124.8	1204.5	1307.4	1420.4
35°	674.9	698.1	720.5	754.8	793.1	849.1	915.8	1030.6	1109.7	1211.3	1324.8
37.5°	623.6	637.7	662.5	689.7	730.1	772.0	829.7	932.7	1018.3	1118.1	1234.2
40°	584.5	602.4	620.9	651.2	684.2	724.4	781.2	857.7	956.1	1053.7	1167.2
42.5°	546.6	569.1	588.7	609.0	645.1	685.4	731.6	796.5	896.9	989.3	1099.6
45°	500.8	515.3	535.7	558.2	587.9	622.2	663.1	719.8	816.1	896.0	999.6
47.5°	447.5	468.7	482.1	503.9	532.2	564.9	603.0	652.0	730.0	804.8	900.9
50°	411.0	432.8	451.9	471.7	496.8	528.5	560.2	607.7	670.4	748.9	838.6
52.5°	379.9	399.1	417.7	437.5	462.0	491.0	521.1	562.8	616.5	688.7	775.8
55°	337.2	349.0	368.2	388.0	409.7	437.5	466.5	501.4	547.6	608.3	678.9
57.5°	293.3	307.0	322.3	342.2	364.2	385.5	411.6	443.2	479.7	534.6	595.0
60°	268.5	279.1	291.6	312.1	332.5	351.6	376.8	403.1	437.5	484.9	536.4
62.5°	241.1	251.2	262.6	280.4	300.3	317.9	339.8	367.7	396.8	440.1	485.2
65°	195.3	209.8	221.0	236.9	253.4	271.8	289.0	311.4	337.2	371.4	411.7
67.5°	162.0	169.3	179.7	194.1	211.0	226.9	243.1	260.6	282.9	309.4	341.4
70°	147.1	149.8	151.8	165.6	181.4	197.3	212.5	228.9	248.1	269.8	297.6
72.5°	129.8	132.3	134.8	140.8	153.4	169.3	185.0	197.3	215.3	233.4	255.9
75°	102.9	106.9	108.8	112.2	116.8	127.3	141.9	153.7	164.3	178.1	196.0
77.5°	78.4	80.6	82.7	86.2	89.1	93.9	102.1	112.8	122.7	130.8	143.0
80°	62.0	62.7	65.3	66.6	70.6	73.9	77.8	86.4	96.3	99.6	108.2
82.5°	46.8	47.4	49.5	50.8	52.7	55.4	60.4	62.7	70.4	74.8	80.2
85°	25.7	25.1	27.0	27.0	28.4	29.7	31.0	34.3	36.2	41.6	42.9
87.5°	12.4	12.1	12.3	11.9	11.5	12.2	12.3	12.3	12.8	13.9	15.5
90°	22.2	21.1	19.2	17.3	15.4	13.6	11.4	8.8	6.2	3.6	1.0
92.5°	25.1	24.5	23.5	22.6	21.6	20.7	20.3	20.6	20.8	21.0	21.3
95°	42.3	41.1	39.4	37.8	36.2	34.5	37.5	45.3	53.0	60.7	68.4
97.5°	55.9	55.0	51.2	47.4	43.6	39.8	48.8	70.6	92.3	114.1	135.9
100°	61.9	60.0	56.1	52.1	48.1	44.1	58.2	90.2	122.3	154.4	186.4
102.5°	64.1	61.7	95.0	128.3	161.5	194.8	214.9	221.7	228.4	235.2	242.0
105°	66.8	64.2	128.1	192.0	256.0	319.9	348.3	341.2	334.2	327.2	320.2
107.5°	87.3	90.0	166.6	243.2	319.9	396.5	432.0	426.3	420.6	414.9	409.3
110°	160.9	184.3	251.9	319.6	387.3	454.9	486.2	481.3	476.4	471.5	466.6



TEST NUMBER: P331857-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.5	464.9	481.6	498.3	515.1	531.8	538.0	533.6	529.2	524.9	520.5
115°	541.5	649.9	644.0	638.2	632.3	626.5	621.6	617.5	613.5	609.6	605.6
117.5°	693.5	719.8	715.7	711.7	707.7	703.7	699.5	695.0	690.5	686.1	681.7
120°	774.8	772.0	767.8	763.6	759.4	755.2	751.3	747.8	744.2	740.8	737.3
122.5°	823.4	821.7	817.2	812.5	808.0	803.4	799.3	795.6	791.9	788.2	784.5
125°	891.7	890.0	885.5	881.1	876.7	872.2	868.4	865.4	862.4	859.3	856.3
127.5°	953.9	951.5	948.1	944.9	941.5	938.2	934.9	931.5	928.1	924.7	921.4
130°	993.7	991.1	988.5	985.9	983.3	980.8	977.7	973.9	970.2	966.4	962.7
132.5°	1032.9	1030.7	1028.1	1025.5	1023.0	1020.4	1017.5	1014.3	1011.2	1008.0	1004.8
135°	1088.2	1085.9	1083.7	1081.7	1079.5	1077.5	1074.5	1070.7	1067.0	1063.2	1059.5
137.5°	1139.8	1137.5	1135.1	1132.7	1130.3	1127.9	1125.4	1122.8	1120.2	1117.6	1114.9
140°	1173.3	1171.2	1168.6	1166.1	1163.5	1160.9	1158.6	1156.8	1154.9	1153.1	1151.2
142.5°	1204.3	1202.4	1199.4	1196.4	1193.5	1190.6	1188.3	1186.5	1184.9	1183.2	1181.6
145°	1247.6	1246.0	1242.0	1238.0	1234.1	1230.0	1228.2	1228.4	1228.6	1228.9	1229.1
147.5°	1285.6	1284.3	1280.4	1276.4	1272.5	1268.6	1267.0	1267.9	1268.9	1269.7	1270.6
150°	1308.5	1307.1	1303.3	1299.6	1295.8	1292.1	1291.0	1292.6	1294.3	1296.0	1297.6
152.5°	1329.6	1328.1	1324.6	1321.0	1317.4	1313.9	1313.0	1314.8	1316.6	1318.5	1320.3
155°	1358.0	1356.6	1353.8	1350.9	1348.2	1345.3	1345.0	1347.0	1349.2	1351.3	1353.4
157.5°	1381.7	1380.2	1378.2	1376.2	1374.2	1372.3	1372.2	1374.0	1375.7	1377.5	1379.3
160°	1395.9	1394.5	1393.1	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5
162.5°	1408.7	1407.1	1405.9	1404.6	1403.4	1402.2	1402.3	1403.8	1405.2	1406.5	1408.0
165°	1424.5	1422.9	1422.2	1421.5	1420.8	1420.1	1420.5	1421.9	1423.2	1424.7	1426.1
167.5°	1437.8	1436.1	1435.5	1434.9	1434.3	1433.6	1433.9	1435.4	1436.8	1438.1	1439.6
170°	1444.6	1442.9	1442.4	1442.0	1441.5	1441.1	1441.5	1442.9	1444.3	1445.7	1447.2
172.5°	1449.6	1447.9	1447.5	1447.0	1446.6	1446.1	1446.6	1447.9	1449.4	1450.8	1452.2
175°	1455.1	1453.5	1453.0	1452.5	1452.1	1451.6	1452.2	1453.8	1455.4	1457.1	1458.7
177.5°	1456.0	1454.7	1454.5	1454.3	1454.1	1454.0	1454.5	1455.9	1457.2	1458.4	1459.7
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1910.0	1911.5	1922.1	1926.8	1936.4	1940.0	1944.3	1943.2	1943.2	1945.3	1960.1
5°	1914.1	1927.3	1947.1	1966.2	1984.7	2000.4	2011.0	2021.6	2025.6	2044.7	2061.8
7.5°	1907.2	1931.5	1964.2	1993.4	2028.3	2055.6	2078.4	2098.8	2112.8	2140.6	2169.1
10°	1898.2	1932.5	1969.5	2007.1	2055.2	2091.5	2128.5	2156.9	2166.1	2207.7	2231.5
12.5°	1880.3	1926.2	1973.2	2021.9	2069.0	2119.0	2159.6	2188.0	2220.4	2257.8	2301.6
15°	1853.4	1906.2	1967.5	2030.2	2097.5	2158.2	2201.7	2251.2	2286.8	2327.7	2366.0
17.5°	1814.7	1882.7	1960.7	2033.3	2111.1	2176.3	2236.2	2283.6	2308.8	2332.1	2337.8
20°	1784.1	1857.3	1949.0	2034.8	2112.6	2187.9	2247.2	2286.8	2293.4	2294.0	2259.1
22.5°	1750.8	1833.6	1929.5	2017.4	2110.6	2194.2	2240.4	2257.3	2231.1	2186.4	2118.7
25°	1689.7	1785.4	1896.9	1997.2	2098.8	2178.0	2193.8	2164.1	2072.4	1976.1	1854.0
27.5°	1623.5	1731.0	1850.5	1962.0	2070.3	2119.4	2085.2	1978.1	1813.0	1669.4	1495.4
30°	1574.9	1695.7	1813.1	1937.8	2038.1	2059.2	1980.7	1823.0	1630.3	1413.9	1240.4
32.5°	1519.5	1646.1	1775.1	1904.0	1988.0	1967.4	1837.6	1643.6	1417.6	1204.9	1040.9
35°	1440.3	1571.0	1710.2	1839.5	1892.9	1803.9	1609.9	1357.2	1126.3	927.6	814.9
37.5°	1348.8	1491.2	1635.9	1754.6	1750.8	1602.4	1338.2	1077.3	883.2	765.8	685.4
40°	1283.9	1427.8	1584.2	1684.5	1641.6	1448.2	1161.9	915.8	774.0	680.3	621.6
42.5°	1221.7	1366.1	1521.4	1601.0	1526.5	1288.8	1003.6	810.7	693.7	620.6	573.0
45°	1115.7	1268.1	1412.0	1456.1	1322.8	1060.9	811.6	671.7	593.8	539.7	506.7
47.5°	1012.1	1162.0	1293.3	1294.1	1113.9	860.4	684.6	581.3	514.8	472.9	448.9
50°	948.7	1091.3	1201.4	1184.3	979.8	765.3	612.3	523.2	467.8	435.5	410.4
52.5°	877.5	1015.8	1111.2	1062.4	866.3	673.5	547.3	472.5	426.6	398.5	376.1
55°	774.0	896.6	964.0	890.0	706.6	560.2	462.5	403.8	369.5	345.7	326.6
57.5°	672.2	773.4	815.8	729.7	582.0	464.5	391.2	347.2	313.1	296.1	286.2
60°	608.3	694.7	724.4	629.5	506.1	406.4	346.4	305.5	280.4	269.2	259.3
62.5°	545.5	616.1	628.4	541.3	441.2	355.8	304.2	269.6	253.0	242.3	232.9
65°	452.6	503.4	497.5	427.6	349.0	282.4	244.8	223.7	211.1	196.0	179.4
67.5°	372.6	403.6	385.0	332.5	266.4	219.5	194.9	178.9	163.3	149.0	145.2
70°	322.0	339.8	320.0	271.8	218.3	184.1	164.3	145.2	136.0	132.6	126.7
72.5°	273.5	279.7	258.2	217.0	177.7	152.4	133.1	122.4	117.4	114.7	110.8
75°	205.2	200.6	182.1	149.8	123.4	106.2	100.3	96.3	93.0	90.4	88.4
77.5°	144.1	137.3	120.9	99.8	85.9	77.7	74.1	72.1	70.4	69.1	67.2
80°	108.2	103.6	87.1	71.3	65.3	61.4	59.4	56.7	56.7	55.4	53.5
82.5°	79.2	74.0	59.7	52.3	49.0	46.6	45.1	43.6	43.0	43.3	41.8
85°	41.6	33.7	29.7	28.4	26.4	25.1	25.7	24.5	24.5	24.5	23.8
87.5°	13.4	11.3	11.3	11.3	12.2	12.6	12.4	12.8	13.7	13.4	14.2
90°	3.6	6.2	8.8	11.4	13.6	15.4	17.3	19.2	21.1	22.2	23.4
92.5°	21.0	20.8	20.6	20.3	20.7	21.6	22.6	23.5	24.5	25.1	25.7
95°	60.7	53.0	45.3	37.5	34.5	36.2	37.8	39.4	41.1	42.3	43.4
97.5°	114.1	92.3	70.6	48.8	39.8	43.6	47.4	51.2	55.0	55.9	56.8
100°	154.4	122.3	90.2	58.2	44.1	48.1	52.1	56.1	60.0	61.9	63.8
102.5°	235.2	228.4	221.7	214.9	194.8	161.5	128.3	95.0	61.7	64.1	66.6
105°	327.2	334.2	341.2	348.3	319.9	256.0	192.0	128.1	64.2	66.8	69.4
107.5°	414.9	420.6	426.3	432.0	396.5	319.9	243.2	166.6	90.0	87.3	84.7
110°	471.5	476.4	481.3	486.2	454.9	387.3	319.6	251.9	184.3	160.9	137.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	524.9	529.2	533.6	538.0	531.8	515.1	498.3	481.6	464.9	379.5	294.1
115°	609.6	613.5	617.5	621.6	626.5	632.3	638.2	644.0	649.9	541.5	433.1
117.5°	686.1	690.5	695.0	699.5	703.7	707.7	711.7	715.7	719.8	693.5	667.4
120°	740.8	744.2	747.8	751.3	755.2	759.4	763.6	767.8	772.0	774.8	777.7
122.5°	788.2	791.9	795.6	799.3	803.4	808.0	812.5	817.2	821.7	823.4	825.1
125°	859.3	862.4	865.4	868.4	872.2	876.7	881.1	885.5	890.0	891.7	893.3
127.5°	924.7	928.1	931.5	934.9	938.2	941.5	944.9	948.1	951.5	953.9	956.2
130°	966.4	970.2	973.9	977.7	980.8	983.3	985.9	988.5	991.1	993.7	996.3
132.5°	1008.0	1011.2	1014.3	1017.5	1020.4	1023.0	1025.5	1028.1	1030.7	1032.9	1035.1
135°	1063.2	1067.0	1070.7	1074.5	1077.5	1079.5	1081.7	1083.7	1085.9	1088.2	1090.5
137.5°	1117.6	1120.2	1122.8	1125.4	1127.9	1130.3	1132.7	1135.1	1137.5	1139.8	1142.0
140°	1153.1	1154.9	1156.8	1158.6	1160.9	1163.5	1166.1	1168.6	1171.2	1173.3	1175.4
142.5°	1183.2	1184.9	1186.5	1188.3	1190.6	1193.5	1196.4	1199.4	1202.4	1204.3	1206.2
145°	1228.9	1228.6	1228.4	1228.2	1230.0	1234.1	1238.0	1242.0	1246.0	1247.6	1249.2
147.5°	1269.7	1268.9	1267.9	1267.0	1268.6	1272.5	1276.4	1280.4	1284.3	1285.6	1286.8
150°	1296.0	1294.3	1292.6	1291.0	1292.1	1295.8	1299.6	1303.3	1307.1	1308.5	1309.8
152.5°	1318.5	1316.6	1314.8	1313.0	1313.9	1317.4	1321.0	1324.6	1328.1	1329.6	1330.9
155°	1351.3	1349.2	1347.0	1345.0	1345.3	1348.2	1350.9	1353.8	1356.6	1358.0	1359.3
157.5°	1377.5	1375.7	1374.0	1372.2	1372.3	1374.2	1376.2	1378.2	1380.2	1381.7	1383.4
160°	1393.1	1391.6	1390.3	1388.9	1388.9	1390.3	1391.6	1393.1	1394.5	1395.9	1397.3
162.5°	1406.5	1405.2	1403.8	1402.3	1402.2	1403.4	1404.6	1405.9	1407.1	1408.7	1410.3
165°	1424.7	1423.2	1421.9	1420.5	1420.1	1420.8	1421.5	1422.2	1422.9	1424.5	1426.2
167.5°	1438.1	1436.8	1435.4	1433.9	1433.6	1434.3	1434.9	1435.5	1436.1	1437.8	1439.4
170°	1445.7	1444.3	1442.9	1441.5	1441.1	1441.5	1442.0	1442.4	1442.9	1444.6	1446.2
172.5°	1450.8	1449.4	1447.9	1446.6	1446.1	1446.6	1447.0	1447.5	1447.9	1449.6	1451.2
175°	1457.1	1455.4	1453.8	1452.2	1451.6	1452.1	1452.5	1453.0	1453.5	1455.1	1456.7
177.5°	1458.4	1457.2	1455.9	1454.5	1454.0	1454.1	1454.3	1454.5	1454.7	1456.0	1457.3
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1965.4	1972.2	1975.4	1975.4	1979.1	1977.5	1975.9
5°	2078.4	2090.9	2093.5	2105.4	2113.9	2111.3	2112.6
7.5°	2190.6	2210.8	2230.8	2239.9	2241.3	2246.6	2248.6
10°	2259.8	2276.3	2307.3	2302.7	2325.7	2339.0	2317.2
12.5°	2326.2	2348.5	2370.1	2376.0	2389.1	2393.3	2384.7
15°	2386.4	2398.3	2399.7	2396.3	2400.3	2397.0	2384.5
17.5°	2330.2	2311.0	2271.9	2253.4	2238.8	2217.2	2208.5
20°	2237.3	2180.6	2114.6	2088.3	2057.2	1996.5	2011.0
22.5°	2036.8	1972.1	1906.2	1829.1	1792.3	1734.7	1731.3
25°	1724.7	1613.2	1490.5	1404.7	1354.5	1297.2	1272.0
27.5°	1340.9	1200.6	1100.0	1049.0	1002.7	957.3	955.4
30°	1088.6	983.1	905.3	861.7	833.3	814.2	818.1
32.5°	917.7	845.3	792.8	756.6	735.6	721.3	721.0
35°	750.2	700.7	667.0	651.9	636.7	626.1	626.8
37.5°	642.0	612.3	593.6	576.8	567.3	562.1	559.2
40°	586.5	562.1	547.6	537.7	529.8	522.5	521.2
42.5°	542.8	522.5	508.1	500.2	492.8	487.8	486.4
45°	481.6	465.1	451.9	443.4	440.1	435.5	435.5
47.5°	428.4	412.2	401.9	396.6	390.9	387.8	387.7
50°	392.6	380.0	370.8	367.5	362.9	360.9	360.2
52.5°	360.4	351.0	344.4	342.2	340.2	337.7	338.1
55°	316.7	311.4	308.8	306.8	303.5	299.5	302.2
57.5°	279.9	275.4	268.3	262.1	259.1	256.2	257.4
60°	254.0	244.8	235.6	228.3	226.3	220.3	220.3
62.5°	221.3	208.4	197.0	193.0	191.0	188.2	187.6
65°	170.2	165.0	162.3	159.6	158.3	158.3	157.0
67.5°	141.0	139.0	136.0	135.3	134.1	133.7	133.3
70°	124.7	122.1	120.7	120.1	118.7	119.4	117.4
72.5°	108.8	106.8	106.5	104.8	104.0	104.1	102.6
75°	85.8	85.8	85.2	84.5	83.2	82.5	83.2
77.5°	66.0	66.1	64.9	64.8	64.7	64.8	64.1
80°	52.8	53.5	52.8	52.1	51.5	52.1	51.5
82.5°	41.7	40.8	40.6	40.6	40.4	40.0	39.9
85°	23.8	24.5	23.8	23.1	23.1	23.1	23.8
87.5°	13.9	14.1	14.3	14.4	14.5	14.6	14.1
90°	24.5	25.7	26.6	27.0	27.5	28.0	28.4
92.5°	26.3	26.9	27.3	27.6	27.9	28.2	28.4
95°	44.6	45.7	46.2	46.0	45.7	45.5	45.3
97.5°	57.8	58.7	59.3	59.6	59.9	60.2	60.4
100°	65.6	67.5	68.7	69.1	69.7	70.1	70.6
102.5°	69.1	71.5	73.0	73.6	74.3	75.0	75.6
105°	72.0	74.6	76.3	77.2	78.2	79.1	80.1
107.5°	82.1	79.5	78.6	79.6	80.5	81.5	82.4
110°	114.1	90.7	79.5	80.4	81.4	82.3	83.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	208.8	123.4	81.0	81.8	82.6	83.3	84.0
115°	324.8	216.4	153.8	136.9	120.1	103.2	86.4
117.5°	641.1	614.9	574.1	518.8	463.4	408.0	352.6
120°	780.4	783.3	768.9	737.3	705.7	674.1	642.5
122.5°	826.8	828.5	826.2	820.1	814.0	807.9	801.7
125°	894.9	896.6	897.7	898.4	899.1	899.8	900.5
127.5°	958.6	961.0	962.3	962.4	962.6	962.7	962.9
130°	998.8	1001.3	1002.5	1002.3	1002.1	1001.9	1001.6
132.5°	1037.2	1039.5	1040.4	1040.3	1040.0	1039.7	1039.6
135°	1092.9	1095.3	1096.1	1095.7	1095.3	1094.8	1094.3
137.5°	1144.4	1146.7	1147.4	1146.6	1145.8	1145.0	1144.2
140°	1177.5	1179.7	1180.1	1178.9	1177.8	1176.6	1175.4
142.5°	1208.2	1210.0	1210.4	1209.3	1208.1	1206.9	1205.7
145°	1250.9	1252.5	1252.8	1251.5	1250.4	1249.2	1248.1
147.5°	1288.0	1289.2	1289.3	1288.3	1287.3	1286.3	1285.4
150°	1311.3	1312.7	1312.8	1311.6	1310.4	1309.2	1308.1
152.5°	1332.3	1333.8	1333.7	1332.1	1330.6	1329.0	1327.5
155°	1360.8	1362.2	1361.9	1360.0	1358.2	1356.3	1354.4
157.5°	1384.9	1386.6	1386.4	1384.6	1382.8	1381.0	1379.1
160°	1398.7	1400.1	1400.0	1398.4	1396.7	1395.1	1393.4
162.5°	1411.9	1413.5	1413.2	1411.3	1409.2	1407.2	1405.2
165°	1427.8	1429.4	1429.4	1427.8	1426.2	1424.5	1422.9
167.5°	1441.1	1442.7	1442.5	1440.4	1438.3	1436.1	1434.1
170°	1447.9	1449.5	1449.2	1447.2	1445.0	1442.9	1440.8
172.5°	1452.9	1454.5	1454.3	1452.2	1450.1	1447.9	1445.9
175°	1458.4	1460.0	1459.7	1457.3	1455.0	1452.6	1450.3
177.5°	1458.6	1460.0	1459.7	1458.1	1456.4	1454.7	1453.0
180°	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5	1455.5

(END OF REPORT)