

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: P333484-930

Luminaire Tested: **S125DIW-S1270D1560U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333484-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S1270D1560U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9312.9 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

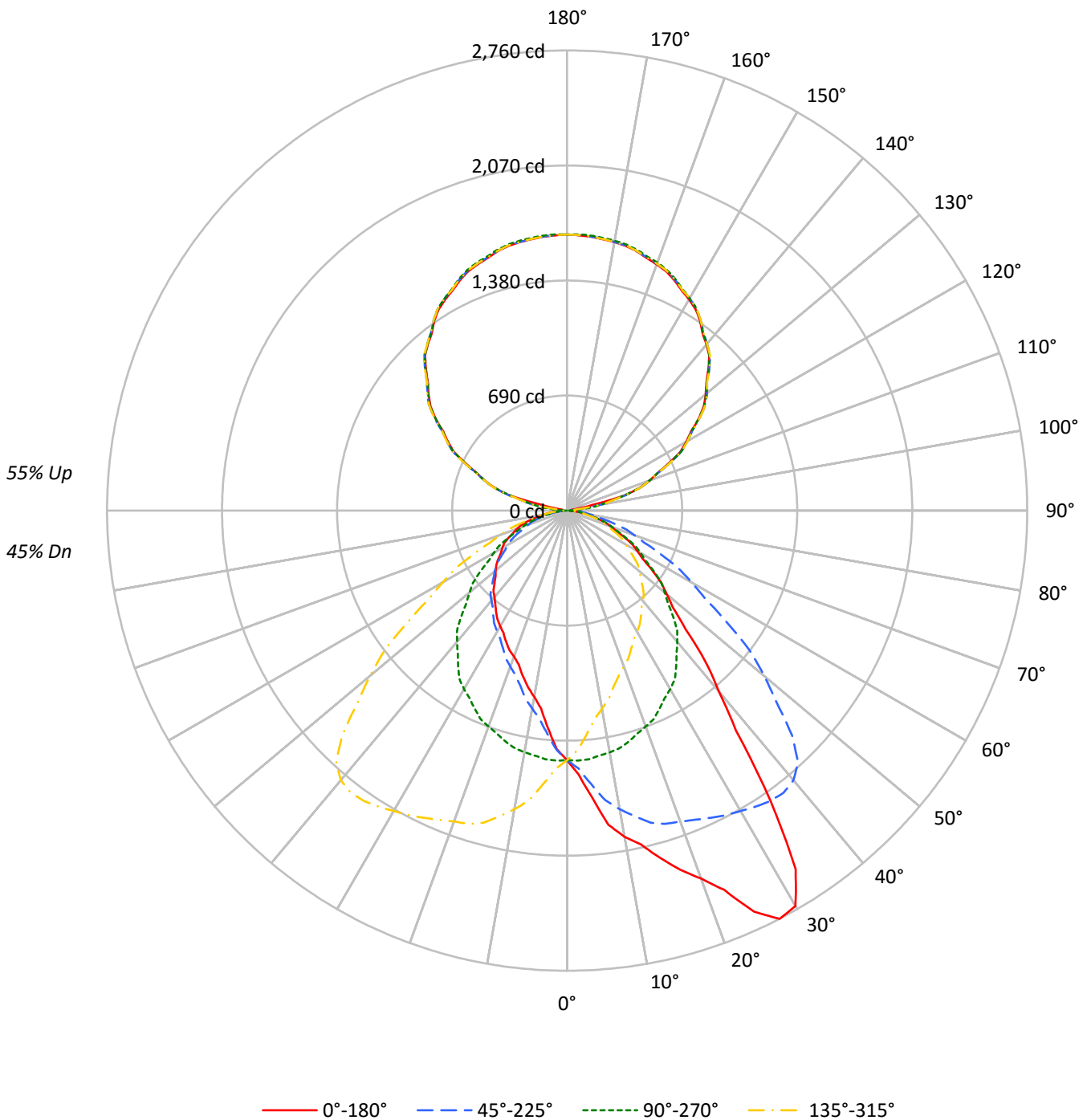
Input Watts (W): 82.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39				
2	88	81	75	70	81	75	70	65	63	59	56	51	49	46	41	39	38	33				
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	56	48	43	62	52	45	40	44	39	35	36	32	29	29	27	24	21				
6	62	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	18				
7	58	46	38	32	53	42	35	30	36	30	27	30	26	23	24	21	19	16				
8	54	41	34	29	49	38	32	27	33	27	24	27	23	20	22	19	17	15				
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13				
10	47	35	27	23	43	32	26	21	28	22	19	23	19	16	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9671	9671	9671	9671
5°	11199	9703	8496	9703
10°	13029	9653	7444	9653
15°	14422	9582	6867	9582
20°	16144	9470	6403	9470
25°	18912	9344	6178	9344
30°	20427	9219	5982	9219
35°	16796	8984	5852	8984
40°	11938	8658	5712	8658
45°	9171	8219	5630	8219
50°	7829	7675	5620	7675
55°	6971	7142	5668	7142
60°	6288	6559	5813	6559
65°	5809	5974	5963	5974
70°	5280	5365	6048	5365
75°	4664	4726	5996	4726
80°	3924	3853	5482	3853
85°	3105	2779	4431	2779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	1.5
10°-20°	429.2	4.6
20°-30°	696.9	7.5
30°-40°	850.1	9.1
40°-50°	773.3	8.3
50°-60°	616.0	6.6
60°-70°	429.0	4.6
70°-80°	228.8	2.5
80°-90°	61.2	0.7
90°-100°	60.2	0.6
100°-110°	370.8	4.0
110°-120°	672.5	7.2
120°-130°	863.1	9.3
130°-140°	928.3	10.0
140°-150°	871.4	9.4
150°-160°	704.9	7.6
160°-170°	455.9	4.9
170°-180°	157.2	1.7
0°-30°	1270.2	13.6
0°-40°	2120.3	22.8
0°-60°	3509.7	37.7
0°-90°	4228.7	45.4
90°-120°	1103.5	11.8
90°-150°	3766.2	40.4
90°-180°	5084.0	54.6
0°-180°	9312.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1727	1497	1310	1497	1727	174
15°	2157	1433	1027	1433	2157	617
25°	2654	1311	867	1311	2654	1212
35°	2130	1140	742	1140	2130	1304
45°	1004	900	616	900	1004	804
55°	619	634	503	634	619	558
65°	380	391	390	391	380	377
75°	187	189	240	189	187	201
85°	42	38	60	38	42	49
90°	29	1	29	1	29	14
95°	26	70	26	70	26	21
105°	364	361	364	361	364	330
115°	672	678	672	678	672	668
125°	963	963	963	963	963	857
135°	1197	1202	1197	1202	1197	923
145°	1389	1393	1389	1393	1389	868
155°	1523	1534	1523	1534	1523	702
165°	1610	1619	1610	1619	1610	454
175°	1648	1656	1648	1656	1648	157
180°	1656	1656	1656	1656	1656	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1583.8	1581.8	1579.7	1575.6	1578.7	1570.0	1565.9	1558.9	1550.2	1547.2	1543.6
5°	1727.4	1730.6	1733.7	1720.4	1721.7	1712.8	1692.5	1675.9	1662.6	1645.4	1633.4
7.5°	1900.3	1892.8	1892.1	1883.5	1868.7	1856.7	1835.3	1808.1	1781.8	1751.8	1727.0
10°	1986.7	1987.4	1981.7	1971.5	1955.6	1944.2	1916.2	1889.5	1857.1	1818.9	1791.6
12.5°	2051.8	2054.5	2047.2	2033.5	2025.7	2000.1	1978.2	1946.4	1907.9	1877.4	1835.8
15°	2157.0	2150.0	2145.0	2127.8	2114.5	2087.7	2052.8	2019.7	1977.8	1939.0	1900.3
17.5°	2258.5	2264.1	2254.5	2238.9	2197.5	2166.3	2119.5	2074.1	2021.9	1969.9	1923.7
20°	2349.0	2354.1	2339.4	2312.1	2262.5	2231.4	2169.8	2111.3	2050.9	1984.2	1933.3
22.5°	2461.9	2457.8	2438.1	2396.5	2353.5	2296.0	2229.3	2158.0	2082.4	2007.0	1939.4
25°	2654.0	2627.3	2615.2	2563.8	2507.2	2422.7	2331.2	2226.9	2132.9	2033.1	1946.7
27.5°	2760.5	2752.1	2738.7	2702.9	2643.4	2552.9	2445.1	2318.1	2185.4	2059.4	1946.3
30°	2739.2	2740.5	2741.8	2730.3	2692.2	2624.1	2516.7	2380.1	2222.5	2080.8	1949.9
32.5°	2550.1	2573.2	2595.3	2621.5	2632.2	2619.1	2551.8	2428.5	2266.2	2105.2	1947.8
35°	2130.4	2137.3	2209.1	2280.3	2376.9	2451.9	2502.2	2447.4	2310.8	2125.9	1945.4
37.5°	1661.1	1695.4	1745.1	1825.5	1965.0	2089.8	2250.3	2324.2	2280.1	2132.7	1941.0
40°	1416.0	1447.8	1480.2	1562.2	1679.8	1831.0	2013.4	2169.1	2205.3	2111.3	1925.7
42.5°	1226.9	1252.1	1288.0	1349.6	1447.9	1581.8	1756.2	1959.7	2084.8	2049.3	1893.7
45°	1004.1	1020.0	1048.0	1097.0	1168.2	1273.0	1426.8	1649.3	1843.1	1907.2	1817.6
47.5°	859.5	859.4	881.1	914.9	966.3	1055.4	1169.1	1343.5	1550.5	1703.6	1696.6
50°	779.2	776.0	793.1	822.4	863.1	922.2	1030.9	1170.0	1369.0	1542.5	1590.7
52.5°	710.0	710.4	721.0	742.6	776.7	827.1	908.3	1033.8	1203.7	1381.8	1472.8
55°	619.1	616.4	628.5	643.2	668.0	701.0	759.5	855.4	993.4	1168.7	1286.9
57.5°	535.7	542.7	547.5	557.7	578.2	600.3	649.6	720.1	829.5	980.0	1105.0
60°	486.8	493.8	497.7	507.8	524.3	543.4	581.6	638.7	730.9	860.5	984.5
62.5°	443.1	448.6	449.8	459.0	472.5	491.1	521.1	569.1	641.9	755.3	876.7
65°	380.1	380.1	382.6	392.2	398.5	415.0	437.9	472.9	531.3	619.6	723.3
67.5°	319.3	322.4	321.7	325.9	331.7	344.6	361.0	389.9	433.2	497.7	580.5
70°	279.6	282.2	281.5	284.7	291.1	299.4	312.7	340.0	371.1	426.5	497.7
72.5°	244.0	245.1	243.4	247.6	251.4	258.7	273.5	288.1	317.2	363.9	422.4
75°	186.9	188.1	189.4	191.9	195.8	199.6	207.2	221.8	240.8	275.8	313.3
77.5°	140.1	137.6	140.7	140.3	142.5	145.4	152.1	159.9	175.5	197.6	226.7
80°	105.5	106.2	106.2	106.8	110.0	111.9	117.6	123.3	135.3	151.9	172.3
82.5°	77.0	78.7	77.7	78.8	81.4	82.8	86.0	90.7	97.8	110.7	125.5
85°	41.9	38.8	40.0	41.3	41.3	41.9	44.5	46.4	50.2	55.3	61.0
87.5°	18.1	18.9	19.3	19.2	19.5	19.2	21.0	20.7	22.0	23.2	24.9
90°	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3	21.0	19.6	17.7
92.5°	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3	21.0	19.6	17.9
95°	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3	21.0	19.6	30.0
97.5°	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0	52.7	60.4	80.9
100°	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2	172.9	213.5	212.5
102.5°	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1	264.8	272.5	271.8
105°	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1	463.0	462.9	462.4
110°	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1	526.9	527.7	527.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5	589.5	590.6	590.3
115°	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7	683.7	684.9	684.6
117.5°	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6	774.9	776.4	775.3
120°	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3	832.8	833.3	832.5
122.5°	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2	888.8	889.3	888.9
125°	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9	970.9	972.0	972.0
127.5°	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5	1045.1	1045.7	1045.9
130°	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2	1094.0	1094.8	1094.5
132.5°	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6	1138.8	1139.0	1139.5
135°	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3	1205.9	1206.5	1207.0
137.5°	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5	1267.5	1267.3	1267.8
140°	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7	1305.2	1304.6	1304.9
142.5°	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1	1343.0	1343.0	1342.6
145°	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0	1395.7	1395.5	1395.5
147.5°	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3	1441.0	1440.6	1440.3
150°	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1	1469.7	1469.1	1468.5
152.5°	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7	1495.2	1494.6	1494.1
155°	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9	1530.1	1529.3	1528.7
157.5°	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9	1559.1	1558.2	1558.1
160°	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0	1577.0	1575.9	1575.6
162.5°	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6	1593.1	1591.5	1591.3
165°	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9	1614.3	1612.7	1612.4
167.5°	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1	1630.1	1628.2	1627.9
170°	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4	1638.2	1636.0	1635.7
172.5°	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8	1644.9	1642.9	1642.4
175°	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8	1651.7	1649.5	1649.3
177.5°	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8	1655.2	1653.7	1653.4
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1540.6	1537.0	1532.9	1525.8	1517.2	1512.6	1505.5	1500.9	1491.8	1484.1	1476.0
5°	1618.7	1602.2	1587.0	1567.2	1545.6	1531.6	1515.2	1496.7	1477.6	1457.9	1436.3
7.5°	1699.7	1670.5	1638.7	1604.5	1571.1	1540.3	1510.9	1482.1	1455.1	1422.6	1395.1
10°	1754.1	1717.3	1677.8	1631.4	1586.3	1546.9	1506.8	1471.9	1436.3	1398.2	1364.5
12.5°	1808.5	1759.4	1703.7	1652.8	1598.6	1550.9	1503.8	1459.2	1414.5	1372.2	1333.0
15°	1846.9	1803.7	1752.2	1679.8	1618.7	1553.3	1491.0	1433.1	1379.2	1332.1	1282.5
17.5°	1872.2	1816.5	1761.2	1691.7	1611.8	1538.6	1467.9	1401.7	1340.8	1281.2	1233.5
20°	1876.7	1819.6	1761.7	1693.7	1611.8	1527.9	1457.3	1377.9	1312.4	1250.8	1192.3
22.5°	1875.3	1810.4	1747.5	1677.5	1597.5	1520.2	1434.9	1354.0	1282.9	1222.3	1161.2
25°	1860.8	1791.6	1712.8	1642.3	1563.4	1481.5	1395.1	1311.2	1238.7	1169.4	1109.1
27.5°	1848.9	1759.1	1669.8	1587.6	1511.5	1436.3	1353.6	1267.6	1187.3	1117.1	1060.2
30°	1834.2	1735.7	1635.2	1549.5	1471.3	1398.2	1320.1	1236.2	1152.3	1083.6	1022.6
32.5°	1821.0	1706.2	1600.2	1506.8	1424.0	1352.9	1280.8	1201.0	1118.7	1049.0	988.0
35°	1795.5	1662.6	1541.2	1435.7	1347.4	1274.2	1213.9	1139.5	1063.9	996.5	938.1
37.5°	1763.0	1605.4	1475.1	1364.5	1267.6	1190.7	1134.4	1077.3	1004.8	939.9	887.0
40°	1737.6	1564.7	1426.8	1313.7	1213.2	1133.2	1081.1	1027.0	966.7	906.3	850.4
42.5°	1705.5	1528.1	1378.0	1256.2	1156.8	1078.8	1024.1	978.2	925.0	868.7	816.8
45°	1646.7	1461.8	1299.0	1168.2	1067.7	990.8	934.3	899.9	859.9	806.5	762.6
47.5°	1560.2	1382.0	1213.7	1078.6	975.0	903.8	850.8	817.8	789.6	749.9	710.1
50°	1483.4	1322.6	1152.3	1018.1	914.5	842.7	793.8	763.9	739.8	709.2	675.6
52.5°	1397.4	1247.8	1091.8	959.2	856.6	785.8	737.8	711.6	691.5	669.6	636.4
55°	1260.9	1133.8	988.9	863.1	768.3	699.1	657.1	634.3	617.8	601.2	580.9
57.5°	1110.5	1011.1	882.8	767.8	680.5	617.5	578.4	556.1	543.2	534.8	522.8
60°	1004.8	919.7	809.0	704.2	619.1	563.1	525.0	507.8	497.0	490.0	481.1
62.5°	906.7	836.7	734.3	638.6	564.1	511.2	477.2	460.5	450.2	446.8	439.4
65°	762.0	708.0	623.5	544.0	480.5	435.4	406.8	390.9	384.5	380.7	381.3
67.5°	619.5	586.6	518.7	450.9	400.2	362.4	339.5	327.3	324.2	319.0	318.9
70°	532.6	507.8	450.6	391.5	346.3	317.2	296.8	284.1	280.9	278.3	277.8
72.5°	455.8	434.1	384.5	337.1	296.5	270.8	254.1	246.5	241.2	239.7	239.6
75°	342.6	330.5	291.1	253.6	225.6	207.8	196.4	189.4	185.6	184.9	185.6
77.5°	243.5	233.0	208.0	181.4	163.7	150.3	140.6	138.2	133.9	134.0	133.3
80°	183.0	176.0	160.1	139.2	124.6	113.2	108.0	103.6	102.3	100.4	102.3
82.5°	132.7	125.2	114.4	101.0	88.9	82.1	77.0	75.7	74.8	73.9	74.4
85°	65.5	66.1	59.8	49.6	44.5	40.7	37.5	37.5	36.9	36.2	36.9
87.5°	25.5	24.1	21.7	19.8	16.8	14.8	13.9	13.9	12.9	12.8	13.8
90°	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9	17.4	15.8	14.3
95°	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0	69.1	68.3	67.5
97.5°	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0	147.5	149.0	150.5
100°	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0	205.8	206.6	207.4
102.5°	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9	265.9	266.9	268.0
105°	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9	361.9	363.1	364.1
107.5°	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5	460.5	460.5	460.5
110°	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3	525.3	525.3	525.3



TEST NUMBER: P333484-930

CATALOG NUMBER: S125DIW-S1270D1560U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2	586.9	587.5	588.2
115°	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5	678.8	680.2	681.6
117.5°	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0	771.9	771.8	771.8
120°	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9	830.6	830.4	830.1
122.5°	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0	883.9	885.0	886.1
125°	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4	965.3	967.3	969.1
127.5°	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2	1041.6	1043.0	1044.4
130°	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4	1088.8	1090.1	1091.5
132.5°	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5	1136.1	1137.7	1139.3
135°	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5	1203.1	1204.8	1206.5
137.5°	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1	1264.5	1266.0	1267.4
140°	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4	1304.0	1304.5	1305.0
142.5°	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7	1340.0	1340.4	1340.7
145°	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0	1393.5	1394.1	1394.7
147.5°	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7	1439.5	1439.4	1439.3
150°	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1468.5	1468.0	1467.5
152.5°	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5	1496.4	1495.2	1494.0
155°	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1	1532.5	1530.9	1529.3
157.5°	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4	1561.4	1560.4	1559.4
160°	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0	1580.4	1578.7	1577.1
162.5°	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7	1596.1	1594.5	1592.8
165°	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9	1617.2	1615.5	1613.9
167.5°	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5	1632.9	1631.2	1629.5
170°	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4	1641.4	1639.6	1637.6
172.5°	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3	1647.4	1645.4	1643.6
175°	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6	1654.0	1652.4	1650.7
177.5°	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6	1657.3	1656.0	1654.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333484-930

CATALOG NUMBER: S125DIW-S1270D1560U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1471.4	1465.8	1461.3	1451.1	1445.4	1437.9	1431.7	1438.4	1431.3	1434.3	1429.7
5°	1425.6	1407.7	1395.1	1376.6	1360.7	1346.1	1335.3	1333.3	1328.3	1325.8	1318.1
7.5°	1370.4	1348.1	1326.2	1302.1	1281.7	1261.0	1247.8	1236.9	1229.6	1220.1	1213.7
10°	1337.8	1308.0	1282.5	1253.3	1227.8	1205.7	1187.8	1178.9	1170.7	1158.6	1154.1
12.5°	1297.6	1266.7	1235.7	1204.5	1180.1	1155.3	1140.0	1126.6	1120.9	1107.3	1105.9
15°	1249.4	1203.1	1172.6	1140.8	1107.1	1086.8	1074.1	1059.5	1053.1	1043.6	1036.6
17.5°	1192.0	1150.6	1112.5	1079.5	1050.7	1033.6	1017.7	1007.7	996.8	990.6	979.1
20°	1150.3	1110.9	1072.8	1037.9	1015.6	995.9	983.2	973.6	962.2	959.0	947.6
22.5°	1115.2	1071.8	1035.2	1005.8	981.5	959.3	945.6	939.1	931.2	921.5	919.1
25°	1058.2	1013.1	981.9	952.7	931.1	910.8	901.2	892.9	885.3	878.3	875.8
27.5°	1008.9	968.6	931.6	905.1	886.3	867.8	859.4	849.4	843.8	838.1	831.3
30°	974.3	932.9	900.6	875.1	854.8	838.3	829.4	822.4	817.3	812.2	808.5
32.5°	938.7	900.4	869.0	844.2	823.8	811.3	803.5	798.5	792.9	786.8	782.0
35°	891.7	849.7	819.2	797.6	781.7	772.2	763.3	758.8	752.5	752.5	747.4
37.5°	838.7	802.4	775.5	755.8	741.5	733.0	723.4	720.3	716.2	713.5	711.8
40°	807.1	773.5	748.0	728.3	713.1	706.0	698.5	693.4	690.8	687.6	686.4
42.5°	774.6	742.4	718.0	699.9	686.6	680.7	673.5	670.0	664.9	660.7	660.0
45°	725.1	694.0	671.8	657.1	645.7	638.7	634.3	626.6	624.1	619.1	618.4
47.5°	678.2	648.4	626.6	614.6	604.5	598.8	591.8	584.2	581.3	578.7	578.5
50°	643.2	615.9	595.5	584.1	574.5	566.3	559.3	554.2	552.3	552.3	553.6
52.5°	607.6	584.3	567.0	553.0	544.0	535.2	528.8	525.7	522.8	525.9	528.2
55°	555.5	532.0	519.3	505.9	497.0	486.8	483.6	482.4	480.5	485.6	488.1
57.5°	500.3	483.8	468.9	455.7	447.7	441.8	437.5	436.8	440.3	442.7	450.9
60°	465.2	446.1	432.8	422.7	413.1	409.3	408.1	406.8	409.3	416.3	427.1
62.5°	426.6	411.1	396.7	389.1	382.0	375.8	375.4	376.3	381.3	389.3	400.1
65°	369.9	356.5	347.0	338.1	332.4	328.6	329.9	332.4	338.1	348.9	361.0
67.5°	312.3	303.1	294.6	287.4	281.9	281.9	283.2	287.0	293.8	306.2	317.2
70°	275.2	265.1	258.0	254.9	250.4	247.9	251.7	258.0	263.7	275.2	284.7
72.5°	238.1	229.4	224.0	221.8	219.9	217.8	219.2	226.0	233.7	245.2	256.2
75°	183.0	179.9	176.0	173.5	171.6	172.8	174.1	180.5	186.9	198.9	211.7
77.5°	133.6	130.3	128.0	127.3	126.4	126.9	130.5	135.3	141.5	150.3	159.9
80°	101.0	99.8	98.5	97.8	97.8	98.5	103.6	106.8	112.5	120.7	128.4
82.5°	73.6	72.8	72.6	72.5	73.0	73.1	76.1	80.3	85.0	91.2	97.8
85°	38.8	37.5	39.4	40.0	38.8	40.7	41.9	44.5	46.4	49.6	52.7
87.5°	14.7	16.1	16.0	16.9	17.3	18.7	18.4	20.7	22.0	23.3	23.0
90°	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3	23.7	25.1	26.2
92.5°	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3	23.7	25.1	25.9
95°	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3	23.7	25.1	25.8
97.5°	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0	37.3	29.6	25.8
100°	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2	91.6	51.0	30.2
102.5°	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1	249.4	241.7	228.6
105°	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.7	365.6
107.5°	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1	463.1	463.2	462.8
110°	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1	525.3	524.5	524.2



TEST NUMBER: P333484-930

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5	587.5	586.4	585.7
115°	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7	681.6	680.4	679.1
117.5°	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6	772.2	770.7	769.6
120°	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3	831.7	831.2	830.2
122.5°	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2	887.7	887.1	886.1
125°	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9	968.7	967.7	966.7
127.5°	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5	1043.9	1043.3	1042.0
130°	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2	1092.3	1091.5	1090.4
132.5°	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6	1138.5	1138.3	1137.5
135°	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3	1204.8	1204.3	1203.1
137.5°	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5	1267.6	1267.8	1267.1
140°	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7	1306.3	1306.8	1306.3
142.5°	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1	1343.3	1343.4	1342.6
145°	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0	1396.3	1396.5	1395.9
147.5°	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3	1441.6	1441.9	1441.1
150°	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1	1470.7	1471.3	1470.5
152.5°	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7	1496.2	1496.8	1496.1
155°	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9	1531.7	1532.5	1531.8
157.5°	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9	1560.8	1561.7	1561.1
160°	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0	1579.2	1580.2	1579.7
162.5°	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6	1596.2	1597.7	1597.3
165°	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9	1617.6	1619.3	1618.9
167.5°	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1	1634.0	1636.0	1635.7
170°	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4	1642.6	1644.7	1644.6
172.5°	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8	1648.8	1650.7	1650.5
175°	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8	1656.0	1658.2	1658.1
177.5°	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8	1658.2	1659.8	1659.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333484-930

CATALOG NUMBER: S125DIW-S1270D1560U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1426.7	1430.2	1427.2	1431.3	1427.2	1430.2	1426.7	1429.7	1434.3	1431.3	1438.4
5°	1314.9	1309.2	1313.0	1310.5	1313.0	1309.2	1314.9	1318.1	1325.8	1328.3	1333.3
7.5°	1211.7	1206.2	1200.0	1197.1	1200.0	1206.2	1211.7	1213.7	1220.1	1229.6	1236.9
10°	1147.1	1140.2	1139.5	1135.1	1139.5	1140.2	1147.1	1154.1	1158.6	1170.7	1178.9
12.5°	1099.8	1093.4	1086.1	1084.3	1086.1	1093.4	1099.8	1105.9	1107.3	1120.9	1126.6
15°	1032.7	1027.7	1023.2	1027.0	1023.2	1027.7	1032.7	1036.6	1043.6	1053.1	1059.5
17.5°	977.0	972.7	972.0	967.3	972.0	972.7	977.0	979.1	990.6	996.8	1007.7
20°	941.9	938.7	940.0	931.7	940.0	938.7	941.9	947.6	959.0	962.2	973.6
22.5°	914.0	907.7	906.9	905.3	906.9	907.7	914.0	919.1	921.5	931.2	939.1
25°	870.1	866.9	863.7	866.9	863.7	866.9	870.1	875.8	878.3	885.3	892.9
27.5°	831.8	828.0	827.1	827.4	827.1	828.0	831.8	831.3	838.1	843.8	849.4
30°	808.5	802.1	802.7	802.1	802.7	802.1	808.5	808.5	812.2	817.3	822.4
32.5°	783.0	778.7	777.8	776.7	777.8	778.7	783.0	782.0	786.8	792.9	798.5
35°	745.5	745.5	742.3	742.3	742.3	745.5	745.5	747.4	752.5	752.5	758.8
37.5°	710.3	709.6	707.8	708.0	707.8	709.6	710.3	711.8	713.5	716.2	720.3
40°	683.9	683.2	681.3	677.5	681.3	683.2	683.9	686.4	687.6	690.8	693.4
42.5°	658.4	656.2	655.3	654.1	655.3	656.2	658.4	660.0	660.7	664.9	670.0
45°	618.4	618.4	617.1	616.4	617.1	618.4	618.4	618.4	619.1	624.1	626.6
47.5°	579.5	580.7	583.0	582.7	583.0	580.7	579.5	578.5	578.7	581.3	584.2
50°	556.1	556.8	558.6	559.3	558.6	556.8	556.1	553.6	552.3	552.3	554.2
52.5°	530.2	533.9	536.3	535.9	536.3	533.9	530.2	528.2	525.9	522.8	525.7
55°	493.8	498.2	502.7	503.4	502.7	498.2	493.8	488.1	485.6	480.5	482.4
57.5°	457.9	464.1	468.8	470.3	468.8	464.1	457.9	450.9	442.7	440.3	436.8
60°	433.4	441.7	447.4	450.0	447.4	441.7	433.4	427.1	416.3	409.3	406.8
62.5°	410.0	419.3	425.0	425.6	425.0	419.3	410.0	400.1	389.3	381.3	376.3
65°	371.8	381.3	386.4	390.2	386.4	381.3	371.8	361.0	348.9	338.1	332.4
67.5°	330.6	340.1	345.8	348.8	345.8	340.1	330.6	317.2	306.2	293.8	287.0
70°	300.6	310.1	317.8	320.3	317.8	310.1	300.6	284.7	275.2	263.7	258.0
72.5°	271.1	279.6	285.8	288.8	285.8	279.6	271.1	256.2	245.2	233.7	226.0
75°	219.9	231.3	237.1	240.3	237.1	231.3	219.9	211.7	198.9	186.9	180.5
77.5°	169.6	180.0	183.4	185.1	183.4	180.0	169.6	159.9	150.3	141.5	135.3
80°	136.0	142.4	146.8	147.4	146.8	142.4	136.0	128.4	120.7	112.5	106.8
82.5°	104.5	109.8	111.2	112.8	111.2	109.8	104.5	97.8	91.2	85.0	80.3
85°	57.2	59.8	60.4	59.8	60.4	59.8	57.2	52.7	49.6	46.4	44.5
87.5°	24.2	23.9	24.1	25.2	24.1	23.9	24.2	23.0	23.3	22.0	20.7
90°	27.0	27.8	28.6	29.4	28.6	27.8	27.0	26.2	25.1	23.7	22.3
92.5°	26.3	26.7	27.1	27.5	27.1	26.7	26.3	25.9	25.1	23.7	22.3
95°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.1	23.7	22.3
97.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	29.6	37.3	45.0
100°	29.0	28.0	26.9	25.8	26.9	28.0	29.0	30.2	51.0	91.6	132.2
102.5°	210.0	191.5	172.9	154.4	172.9	191.5	210.0	228.6	241.7	249.4	257.1
105°	365.3	365.1	364.8	364.5	364.8	365.1	365.3	365.6	365.7	365.7	365.7
107.5°	461.9	461.1	460.3	459.5	460.3	461.1	461.9	462.8	463.2	463.1	463.1
110°	524.5	524.7	525.1	525.3	525.1	524.7	524.5	524.2	524.5	525.3	526.1



TEST NUMBER: P333484-930

CATALOG NUMBER: S125DIW-S1270D1560U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	585.4	585.0	584.6	584.2	584.6	585.0	585.4	585.7	586.4	587.5	588.5
115°	677.5	675.8	674.2	672.5	674.2	675.8	677.5	679.1	680.4	681.6	682.7
117.5°	769.0	768.3	767.5	766.8	767.5	768.3	769.0	769.6	770.7	772.2	773.6
120°	828.8	827.4	826.1	824.8	826.1	827.4	828.8	830.2	831.2	831.7	832.3
122.5°	884.5	882.9	881.3	879.7	881.3	882.9	884.5	886.1	887.1	887.7	888.2
125°	965.9	965.1	964.3	963.4	964.3	965.1	965.9	966.7	967.7	968.7	969.9
127.5°	1039.9	1038.0	1035.9	1033.9	1035.9	1038.0	1039.9	1042.0	1043.3	1043.9	1044.5
130°	1089.1	1087.7	1086.3	1084.9	1086.3	1087.7	1089.1	1090.4	1091.5	1092.3	1093.2
132.5°	1136.2	1134.8	1133.4	1132.0	1133.4	1134.8	1136.2	1137.5	1138.3	1138.5	1138.6
135°	1201.5	1199.9	1198.2	1196.6	1198.2	1199.9	1201.5	1203.1	1204.3	1204.8	1205.3
137.5°	1265.7	1264.3	1262.8	1261.4	1262.8	1264.3	1265.7	1267.1	1267.8	1267.6	1267.5
140°	1304.6	1303.0	1301.4	1299.8	1301.4	1303.0	1304.6	1306.3	1306.8	1306.3	1305.7
142.5°	1340.9	1339.3	1337.7	1336.0	1337.7	1339.3	1340.9	1342.6	1343.4	1343.3	1343.1
145°	1394.2	1392.6	1391.0	1389.4	1391.0	1392.6	1394.2	1395.9	1396.5	1396.3	1396.0
147.5°	1439.2	1437.2	1435.3	1433.3	1435.3	1437.2	1439.2	1441.1	1441.9	1441.6	1441.3
150°	1468.3	1466.1	1464.0	1461.8	1464.0	1466.1	1468.3	1470.5	1471.3	1470.7	1470.1
152.5°	1494.1	1492.2	1490.2	1488.2	1490.2	1492.2	1494.1	1496.1	1496.8	1496.2	1495.7
155°	1529.7	1527.5	1525.3	1523.1	1525.3	1527.5	1529.7	1531.8	1532.5	1531.7	1530.9
157.5°	1558.9	1556.7	1554.4	1552.3	1554.4	1556.7	1558.9	1561.1	1561.7	1560.8	1559.9
160°	1577.5	1575.3	1573.1	1571.0	1573.1	1575.3	1577.5	1579.7	1580.2	1579.2	1578.0
162.5°	1594.9	1592.4	1590.1	1587.6	1590.1	1592.4	1594.9	1597.3	1597.7	1596.2	1594.6
165°	1616.8	1614.6	1612.4	1610.2	1612.4	1614.6	1616.8	1618.9	1619.3	1617.6	1615.9
167.5°	1633.3	1630.8	1628.4	1626.0	1628.4	1630.8	1633.3	1635.7	1636.0	1634.0	1632.1
170°	1642.2	1639.7	1637.2	1634.8	1637.2	1639.7	1642.2	1644.6	1644.7	1642.6	1640.4
172.5°	1648.0	1645.6	1643.2	1640.7	1643.2	1645.6	1648.0	1650.5	1650.7	1648.8	1646.8
175°	1655.6	1653.2	1650.7	1648.3	1650.7	1653.2	1655.6	1658.1	1658.2	1656.0	1653.8
177.5°	1657.9	1656.2	1654.4	1652.7	1654.4	1656.2	1657.9	1659.7	1659.8	1658.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1431.7	1437.9	1445.4	1451.1	1461.3	1465.8	1471.4	1476.0	1484.1	1491.8	1500.9
5°	1335.3	1346.1	1360.7	1376.6	1395.1	1407.7	1425.6	1436.3	1457.9	1477.6	1496.7
7.5°	1247.8	1261.0	1281.7	1302.1	1326.2	1348.1	1370.4	1395.1	1422.6	1455.1	1482.1
10°	1187.8	1205.7	1227.8	1253.3	1282.5	1308.0	1337.8	1364.5	1398.2	1436.3	1471.9
12.5°	1140.0	1155.3	1180.1	1204.5	1235.7	1266.7	1297.6	1333.0	1372.2	1414.5	1459.2
15°	1074.1	1086.8	1107.1	1140.8	1172.6	1203.1	1249.4	1282.5	1332.1	1379.2	1433.1
17.5°	1017.7	1033.6	1050.7	1079.5	1112.5	1150.6	1192.0	1233.5	1281.2	1340.8	1401.7
20°	983.2	995.9	1015.6	1037.9	1072.8	1110.9	1150.3	1192.3	1250.8	1312.4	1377.9
22.5°	945.6	959.3	981.5	1005.8	1035.2	1071.8	1115.2	1161.2	1222.3	1282.9	1354.0
25°	901.2	910.8	931.1	952.7	981.9	1013.1	1058.2	1109.1	1169.4	1238.7	1311.2
27.5°	859.4	867.8	886.3	905.1	931.6	968.6	1008.9	1060.2	1117.1	1187.3	1267.6
30°	829.4	838.3	854.8	875.1	900.6	932.9	974.3	1022.6	1083.6	1152.3	1236.2
32.5°	803.5	811.3	823.8	844.2	869.0	900.4	938.7	988.0	1049.0	1118.7	1201.0
35°	763.3	772.2	781.7	797.6	819.2	849.7	891.7	938.1	996.5	1063.9	1139.5
37.5°	723.4	733.0	741.5	755.8	775.5	802.4	838.7	887.0	939.9	1004.8	1077.3
40°	698.5	706.0	713.1	728.3	748.0	773.5	807.1	850.4	906.3	966.7	1027.0
42.5°	673.5	680.7	686.6	699.9	718.0	742.4	774.6	816.8	868.7	925.0	978.2
45°	634.3	638.7	645.7	657.1	671.8	694.0	725.1	762.6	806.5	859.9	899.9
47.5°	591.8	598.8	604.5	614.6	626.6	648.4	678.2	710.1	749.9	789.6	817.8
50°	559.3	566.3	574.5	584.1	595.5	615.9	643.2	675.6	709.2	739.8	763.9
52.5°	528.8	535.2	544.0	553.0	567.0	584.3	607.6	636.4	669.6	691.5	711.6
55°	483.6	486.8	497.0	505.9	519.3	532.0	555.5	580.9	601.2	617.8	634.3
57.5°	437.5	441.8	447.7	455.7	468.9	483.8	500.3	522.8	534.8	543.2	556.1
60°	408.1	409.3	413.1	422.7	432.8	446.1	465.2	481.1	490.0	497.0	507.8
62.5°	375.4	375.8	382.0	389.1	396.7	411.1	426.6	439.4	446.8	450.2	460.5
65°	329.9	328.6	332.4	338.1	347.0	356.5	369.9	381.3	380.7	384.5	390.9
67.5°	283.2	281.9	281.9	287.4	294.6	303.1	312.3	318.9	319.0	324.2	327.3
70°	251.7	247.9	250.4	254.9	258.0	265.1	275.2	277.8	278.3	280.9	284.1
72.5°	219.2	217.8	219.9	221.8	224.0	229.4	238.1	239.6	239.7	241.2	246.5
75°	174.1	172.8	171.6	173.5	176.0	179.9	183.0	185.6	184.9	185.6	189.4
77.5°	130.5	126.9	126.4	127.3	128.0	130.3	133.6	133.3	134.0	133.9	138.2
80°	103.6	98.5	97.8	97.8	98.5	99.8	101.0	102.3	100.4	102.3	103.6
82.5°	76.1	73.1	73.0	72.5	72.6	72.8	73.6	74.4	73.9	74.8	75.7
85°	41.9	40.7	38.8	40.0	39.4	37.5	38.8	36.9	36.2	36.9	37.5
87.5°	18.4	18.7	17.3	16.9	16.0	16.1	14.7	13.8	12.8	12.9	13.9
90°	21.0	19.6	17.7	15.8	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	21.0	19.6	17.9	16.2	14.6	12.9	12.8	14.3	15.8	17.4	18.9
95°	21.0	19.6	30.0	40.4	50.7	61.1	66.7	67.5	68.3	69.1	70.0
97.5°	52.7	60.4	80.9	101.4	121.9	142.4	152.0	150.5	149.0	147.5	146.0
100°	172.9	213.5	212.5	211.4	210.3	209.2	208.2	207.4	206.6	205.8	205.0
102.5°	264.8	272.5	271.8	271.2	270.5	269.9	269.0	268.0	266.9	265.9	264.9
105°	365.7	365.7	365.7	365.7	365.7	365.7	365.2	364.1	363.1	361.9	360.9
107.5°	463.0	462.9	462.4	461.9	461.3	460.7	460.5	460.5	460.5	460.5	460.5
110°	526.9	527.7	527.2	526.7	526.1	525.5	525.3	525.3	525.3	525.3	525.3



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	589.5	590.6	590.3	590.0	589.6	589.3	588.8	588.2	587.5	586.9	586.2
115°	683.7	684.9	684.6	684.3	684.0	683.7	682.9	681.6	680.2	678.8	677.5
117.5°	774.9	776.4	775.3	774.3	773.3	772.3	771.8	771.8	771.8	771.9	772.0
120°	832.8	833.3	832.5	831.7	830.9	830.1	829.8	830.1	830.4	830.6	830.9
122.5°	888.8	889.3	888.9	888.5	888.2	887.8	887.0	886.1	885.0	883.9	883.0
125°	970.9	972.0	972.0	972.0	972.0	972.0	971.1	969.1	967.3	965.3	963.4
127.5°	1045.1	1045.7	1045.9	1046.0	1046.2	1046.4	1045.7	1044.4	1043.0	1041.6	1040.2
130°	1094.0	1094.8	1094.5	1094.2	1094.0	1093.6	1092.8	1091.5	1090.1	1088.8	1087.4
132.5°	1138.8	1139.0	1139.5	1140.1	1140.8	1141.3	1140.8	1139.3	1137.7	1136.1	1134.5
135°	1205.9	1206.5	1207.0	1207.5	1208.1	1208.6	1208.1	1206.5	1204.8	1203.1	1201.5
137.5°	1267.5	1267.3	1267.8	1268.3	1268.8	1269.3	1268.9	1267.4	1266.0	1264.5	1263.1
140°	1305.2	1304.6	1304.9	1305.2	1305.5	1305.7	1305.6	1305.0	1304.5	1304.0	1303.4
142.5°	1343.0	1343.0	1342.6	1342.1	1341.8	1341.4	1341.0	1340.7	1340.4	1340.0	1339.7
145°	1395.7	1395.5	1395.5	1395.5	1395.5	1395.5	1395.2	1394.7	1394.1	1393.5	1393.0
147.5°	1441.0	1440.6	1440.3	1440.0	1439.7	1439.3	1439.2	1439.3	1439.4	1439.5	1439.7
150°	1469.7	1469.1	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1
152.5°	1495.2	1494.6	1494.1	1493.5	1493.0	1492.4	1492.7	1494.0	1495.2	1496.4	1497.5
155°	1530.1	1529.3	1528.7	1528.1	1527.6	1527.1	1527.6	1529.3	1530.9	1532.5	1534.1
157.5°	1559.1	1558.2	1558.1	1558.1	1558.0	1558.0	1558.4	1559.4	1560.4	1561.4	1562.4
160°	1577.0	1575.9	1575.6	1575.3	1575.1	1574.8	1575.5	1577.1	1578.7	1580.4	1582.0
162.5°	1593.1	1591.5	1591.3	1591.1	1590.7	1590.5	1591.1	1592.8	1594.5	1596.1	1597.7
165°	1614.3	1612.7	1612.4	1612.2	1611.8	1611.6	1612.3	1613.9	1615.5	1617.2	1618.9
167.5°	1630.1	1628.2	1627.9	1627.6	1627.3	1627.1	1627.7	1629.5	1631.2	1632.9	1634.5
170°	1638.2	1636.0	1635.7	1635.5	1635.2	1634.9	1635.7	1637.6	1639.6	1641.4	1643.4
172.5°	1644.9	1642.9	1642.4	1641.9	1641.4	1641.0	1641.6	1643.6	1645.4	1647.4	1649.3
175°	1651.7	1649.5	1649.3	1648.9	1648.7	1648.5	1649.1	1650.7	1652.4	1654.0	1655.6
177.5°	1655.2	1653.7	1653.4	1653.3	1653.0	1652.8	1653.3	1654.6	1656.0	1657.3	1658.6
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



TEST NUMBER: P333484-930

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1505.5	1512.6	1517.2	1525.8	1532.9	1537.0	1540.6	1543.6	1547.2	1550.2	1558.9
5°	1515.2	1531.6	1545.6	1567.2	1587.0	1602.2	1618.7	1633.4	1645.4	1662.6	1675.9
7.5°	1510.9	1540.3	1571.1	1604.5	1638.7	1670.5	1699.7	1727.0	1751.8	1781.8	1808.1
10°	1506.8	1546.9	1586.3	1631.4	1677.8	1717.3	1754.1	1791.6	1818.9	1857.1	1889.5
12.5°	1503.8	1550.9	1598.6	1652.8	1703.7	1759.4	1808.5	1835.8	1877.4	1907.9	1946.4
15°	1491.0	1553.3	1618.7	1679.8	1752.2	1803.7	1846.9	1900.3	1939.0	1977.8	2019.7
17.5°	1467.9	1538.6	1611.8	1691.7	1761.2	1816.5	1872.2	1923.7	1969.9	2021.9	2074.1
20°	1457.3	1527.9	1611.8	1693.7	1761.7	1819.6	1876.7	1933.3	1984.2	2050.9	2111.3
22.5°	1434.9	1520.2	1597.5	1677.5	1747.5	1810.4	1875.3	1939.4	2007.0	2082.4	2158.0
25°	1395.1	1481.5	1563.4	1642.3	1712.8	1791.6	1860.8	1946.7	2033.1	2132.9	2226.9
27.5°	1353.6	1436.3	1511.5	1587.6	1669.8	1759.1	1848.9	1946.3	2059.4	2185.4	2318.1
30°	1320.1	1398.2	1471.3	1549.5	1635.2	1735.7	1834.2	1949.9	2080.8	2222.5	2380.1
32.5°	1280.8	1352.9	1424.0	1506.8	1600.2	1706.2	1821.0	1947.8	2105.2	2266.2	2428.5
35°	1213.9	1274.2	1347.4	1435.7	1541.2	1662.6	1795.5	1945.4	2125.9	2310.8	2447.4
37.5°	1134.4	1190.7	1267.6	1364.5	1475.1	1605.4	1763.0	1941.0	2132.7	2280.1	2324.2
40°	1081.1	1133.2	1213.2	1313.7	1426.8	1564.7	1737.6	1925.7	2111.3	2205.3	2169.1
42.5°	1024.1	1078.8	1156.8	1256.2	1378.0	1528.1	1705.5	1893.7	2049.3	2084.8	1959.7
45°	934.3	990.8	1067.7	1168.2	1299.0	1461.8	1646.7	1817.6	1907.2	1843.1	1649.3
47.5°	850.8	903.8	975.0	1078.6	1213.7	1382.0	1560.2	1696.6	1703.6	1550.5	1343.5
50°	793.8	842.7	914.5	1018.1	1152.3	1322.6	1483.4	1590.7	1542.5	1369.0	1170.0
52.5°	737.8	785.8	856.6	959.2	1091.8	1247.8	1397.4	1472.8	1381.8	1203.7	1033.8
55°	657.1	699.1	768.3	863.1	988.9	1133.8	1260.9	1286.9	1168.7	993.4	855.4
57.5°	578.4	617.5	680.5	767.8	882.8	1011.1	1110.5	1105.0	980.0	829.5	720.1
60°	525.0	563.1	619.1	704.2	809.0	919.7	1004.8	984.5	860.5	730.9	638.7
62.5°	477.2	511.2	564.1	638.6	734.3	836.7	906.7	876.7	755.3	641.9	569.1
65°	406.8	435.4	480.5	544.0	623.5	708.0	762.0	723.3	619.6	531.3	472.9
67.5°	339.5	362.4	400.2	450.9	518.7	586.6	619.5	580.5	497.7	433.2	389.9
70°	296.8	317.2	346.3	391.5	450.6	507.8	532.6	497.7	426.5	371.1	340.0
72.5°	254.1	270.8	296.5	337.1	384.5	434.1	455.8	422.4	363.9	317.2	288.1
75°	196.4	207.8	225.6	253.6	291.1	330.5	342.6	313.3	275.8	240.8	221.8
77.5°	140.6	150.3	163.7	181.4	208.0	233.0	243.5	226.7	197.6	175.5	159.9
80°	108.0	113.2	124.6	139.2	160.1	176.0	183.0	172.3	151.9	135.3	123.3
82.5°	77.0	82.1	88.9	101.0	114.4	125.2	132.7	125.5	110.7	97.8	90.7
85°	37.5	40.7	44.5	49.6	59.8	66.1	65.5	61.0	55.3	50.2	46.4
87.5°	13.9	14.8	16.8	19.8	21.7	24.1	25.5	24.9	23.2	22.0	20.7
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.8	17.7	19.6	21.0	22.3
92.5°	17.4	15.8	14.3	12.8	12.9	14.6	16.2	17.9	19.6	21.0	22.3
95°	69.1	68.3	67.5	66.7	61.1	50.7	40.4	30.0	19.6	21.0	22.3
97.5°	147.5	149.0	150.5	152.0	142.4	121.9	101.4	80.9	60.4	52.7	45.0
100°	205.8	206.6	207.4	208.2	209.2	210.3	211.4	212.5	213.5	172.9	132.2
102.5°	265.9	266.9	268.0	269.0	269.9	270.5	271.2	271.8	272.5	264.8	257.1
105°	361.9	363.1	364.1	365.2	365.7	365.7	365.7	365.7	365.7	365.7	365.7
107.5°	460.5	460.5	460.5	460.5	460.7	461.3	461.9	462.4	462.9	463.0	463.1
110°	525.3	525.3	525.3	525.3	525.5	526.1	526.7	527.2	527.7	526.9	526.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	586.9	587.5	588.2	588.8	589.3	589.6	590.0	590.3	590.6	589.5	588.5
115°	678.8	680.2	681.6	682.9	683.7	684.0	684.3	684.6	684.9	683.7	682.7
117.5°	771.9	771.8	771.8	771.8	772.3	773.3	774.3	775.3	776.4	774.9	773.6
120°	830.6	830.4	830.1	829.8	830.1	830.9	831.7	832.5	833.3	832.8	832.3
122.5°	883.9	885.0	886.1	887.0	887.8	888.2	888.5	888.9	889.3	888.8	888.2
125°	965.3	967.3	969.1	971.1	972.0	972.0	972.0	972.0	972.0	970.9	969.9
127.5°	1041.6	1043.0	1044.4	1045.7	1046.4	1046.2	1046.0	1045.9	1045.7	1045.1	1044.5
130°	1088.8	1090.1	1091.5	1092.8	1093.6	1094.0	1094.2	1094.5	1094.8	1094.0	1093.2
132.5°	1136.1	1137.7	1139.3	1140.8	1141.3	1140.8	1140.1	1139.5	1139.0	1138.8	1138.6
135°	1203.1	1204.8	1206.5	1208.1	1208.6	1208.1	1207.5	1207.0	1206.5	1205.9	1205.3
137.5°	1264.5	1266.0	1267.4	1268.9	1269.3	1268.8	1268.3	1267.8	1267.3	1267.5	1267.5
140°	1304.0	1304.5	1305.0	1305.6	1305.7	1305.5	1305.2	1304.9	1304.6	1305.2	1305.7
142.5°	1340.0	1340.4	1340.7	1341.0	1341.4	1341.8	1342.1	1342.6	1343.0	1343.0	1343.1
145°	1393.5	1394.1	1394.7	1395.2	1395.5	1395.5	1395.5	1395.5	1395.5	1395.7	1396.0
147.5°	1439.5	1439.4	1439.3	1439.2	1439.3	1439.7	1440.0	1440.3	1440.6	1441.0	1441.3
150°	1468.5	1468.0	1467.5	1466.9	1466.9	1467.5	1468.0	1468.5	1469.1	1469.7	1470.1
152.5°	1496.4	1495.2	1494.0	1492.7	1492.4	1493.0	1493.5	1494.1	1494.6	1495.2	1495.7
155°	1532.5	1530.9	1529.3	1527.6	1527.1	1527.6	1528.1	1528.7	1529.3	1530.1	1530.9
157.5°	1561.4	1560.4	1559.4	1558.4	1558.0	1558.0	1558.1	1558.1	1558.2	1559.1	1559.9
160°	1580.4	1578.7	1577.1	1575.5	1574.8	1575.1	1575.3	1575.6	1575.9	1577.0	1578.0
162.5°	1596.1	1594.5	1592.8	1591.1	1590.5	1590.7	1591.1	1591.3	1591.5	1593.1	1594.6
165°	1617.2	1615.5	1613.9	1612.3	1611.6	1611.8	1612.2	1612.4	1612.7	1614.3	1615.9
167.5°	1632.9	1631.2	1629.5	1627.7	1627.1	1627.3	1627.6	1627.9	1628.2	1630.1	1632.1
170°	1641.4	1639.6	1637.6	1635.7	1634.9	1635.2	1635.5	1635.7	1636.0	1638.2	1640.4
172.5°	1647.4	1645.4	1643.6	1641.6	1641.0	1641.4	1641.9	1642.4	1642.9	1644.9	1646.8
175°	1654.0	1652.4	1650.7	1649.1	1648.5	1648.7	1648.9	1649.3	1649.5	1651.7	1653.8
177.5°	1657.3	1656.0	1654.6	1653.3	1652.8	1653.0	1653.3	1653.4	1653.7	1655.2	1656.8
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1565.9	1570.0	1578.7	1575.6	1579.7	1581.8	1583.8
5°	1692.5	1712.8	1721.7	1720.4	1733.7	1730.6	1727.4
7.5°	1835.3	1856.7	1868.7	1883.5	1892.1	1892.8	1900.3
10°	1916.2	1944.2	1955.6	1971.5	1981.7	1987.4	1986.7
12.5°	1978.2	2000.1	2025.7	2033.5	2047.2	2054.5	2051.8
15°	2052.8	2087.7	2114.5	2127.8	2145.0	2150.0	2157.0
17.5°	2119.5	2166.3	2197.5	2238.9	2254.5	2264.1	2258.5
20°	2169.8	2231.4	2262.5	2312.1	2339.4	2354.1	2349.0
22.5°	2229.3	2296.0	2353.5	2396.5	2438.1	2457.8	2461.9
25°	2331.2	2422.7	2507.2	2563.8	2615.2	2627.3	2654.0
27.5°	2445.1	2552.9	2643.4	2702.9	2738.7	2752.1	2760.5
30°	2516.7	2624.1	2692.2	2730.3	2741.8	2740.5	2739.2
32.5°	2551.8	2619.1	2632.2	2621.5	2595.3	2573.2	2550.1
35°	2502.2	2451.9	2376.9	2280.3	2209.1	2137.3	2130.4
37.5°	2250.3	2089.8	1965.0	1825.5	1745.1	1695.4	1661.1
40°	2013.4	1831.0	1679.8	1562.2	1480.2	1447.8	1416.0
42.5°	1756.2	1581.8	1447.9	1349.6	1288.0	1252.1	1226.9
45°	1426.8	1273.0	1168.2	1097.0	1048.0	1020.0	1004.1
47.5°	1169.1	1055.4	966.3	914.9	881.1	859.4	859.5
50°	1030.9	922.2	863.1	822.4	793.1	776.0	779.2
52.5°	908.3	827.1	776.7	742.6	721.0	710.4	710.0
55°	759.5	701.0	668.0	643.2	628.5	616.4	619.1
57.5°	649.6	600.3	578.2	557.7	547.5	542.7	535.7
60°	581.6	543.4	524.3	507.8	497.7	493.8	486.8
62.5°	521.1	491.1	472.5	459.0	449.8	448.6	443.1
65°	437.9	415.0	398.5	392.2	382.6	380.1	380.1
67.5°	361.0	344.6	331.7	325.9	321.7	322.4	319.3
70°	312.7	299.4	291.1	284.7	281.5	282.2	279.6
72.5°	273.5	258.7	251.4	247.6	243.4	245.1	244.0
75°	207.2	199.6	195.8	191.9	189.4	188.1	186.9
77.5°	152.1	145.4	142.5	140.3	140.7	137.6	140.1
80°	117.6	111.9	110.0	106.8	106.2	106.2	105.5
82.5°	86.0	82.8	81.4	78.8	77.7	78.7	77.0
85°	44.5	41.9	41.3	41.3	40.0	38.8	41.9
87.5°	21.0	19.2	19.5	19.2	19.3	18.9	18.1
90°	23.7	25.1	26.2	27.0	27.8	28.6	29.4
92.5°	23.7	25.1	25.9	26.3	26.7	27.1	27.5
95°	23.7	25.1	25.8	25.8	25.8	25.8	25.8
97.5°	37.3	29.6	25.8	25.8	25.8	25.8	25.8
100°	91.6	51.0	30.2	29.0	28.0	26.9	25.8
102.5°	249.4	241.7	228.6	210.0	191.5	172.9	154.4
105°	365.7	365.7	365.6	365.3	365.1	364.8	364.5
107.5°	463.1	463.2	462.8	461.9	461.1	460.3	459.5
110°	525.3	524.5	524.2	524.5	524.7	525.1	525.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	587.5	586.4	585.7	585.4	585.0	584.6	584.2
115°	681.6	680.4	679.1	677.5	675.8	674.2	672.5
117.5°	772.2	770.7	769.6	769.0	768.3	767.5	766.8
120°	831.7	831.2	830.2	828.8	827.4	826.1	824.8
122.5°	887.7	887.1	886.1	884.5	882.9	881.3	879.7
125°	968.7	967.7	966.7	965.9	965.1	964.3	963.4
127.5°	1043.9	1043.3	1042.0	1039.9	1038.0	1035.9	1033.9
130°	1092.3	1091.5	1090.4	1089.1	1087.7	1086.3	1084.9
132.5°	1138.5	1138.3	1137.5	1136.2	1134.8	1133.4	1132.0
135°	1204.8	1204.3	1203.1	1201.5	1199.9	1198.2	1196.6
137.5°	1267.6	1267.8	1267.1	1265.7	1264.3	1262.8	1261.4
140°	1306.3	1306.8	1306.3	1304.6	1303.0	1301.4	1299.8
142.5°	1343.3	1343.4	1342.6	1340.9	1339.3	1337.7	1336.0
145°	1396.3	1396.5	1395.9	1394.2	1392.6	1391.0	1389.4
147.5°	1441.6	1441.9	1441.1	1439.2	1437.2	1435.3	1433.3
150°	1470.7	1471.3	1470.5	1468.3	1466.1	1464.0	1461.8
152.5°	1496.2	1496.8	1496.1	1494.1	1492.2	1490.2	1488.2
155°	1531.7	1532.5	1531.8	1529.7	1527.5	1525.3	1523.1
157.5°	1560.8	1561.7	1561.1	1558.9	1556.7	1554.4	1552.3
160°	1579.2	1580.2	1579.7	1577.5	1575.3	1573.1	1571.0
162.5°	1596.2	1597.7	1597.3	1594.9	1592.4	1590.1	1587.6
165°	1617.6	1619.3	1618.9	1616.8	1614.6	1612.4	1610.2
167.5°	1634.0	1636.0	1635.7	1633.3	1630.8	1628.4	1626.0
170°	1642.6	1644.7	1644.6	1642.2	1639.7	1637.2	1634.8
172.5°	1648.8	1650.7	1650.5	1648.0	1645.6	1643.2	1640.7
175°	1656.0	1658.2	1658.1	1655.6	1653.2	1650.7	1648.3
177.5°	1658.2	1659.8	1659.7	1657.9	1656.2	1654.4	1652.7
180°	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6	1655.6

(END OF REPORT)