

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: P333592

Luminaire Tested: **S125RDIP-S1090D810U835-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333592
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: S125RDIP-S1090D810U835-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1090 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7501.6 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

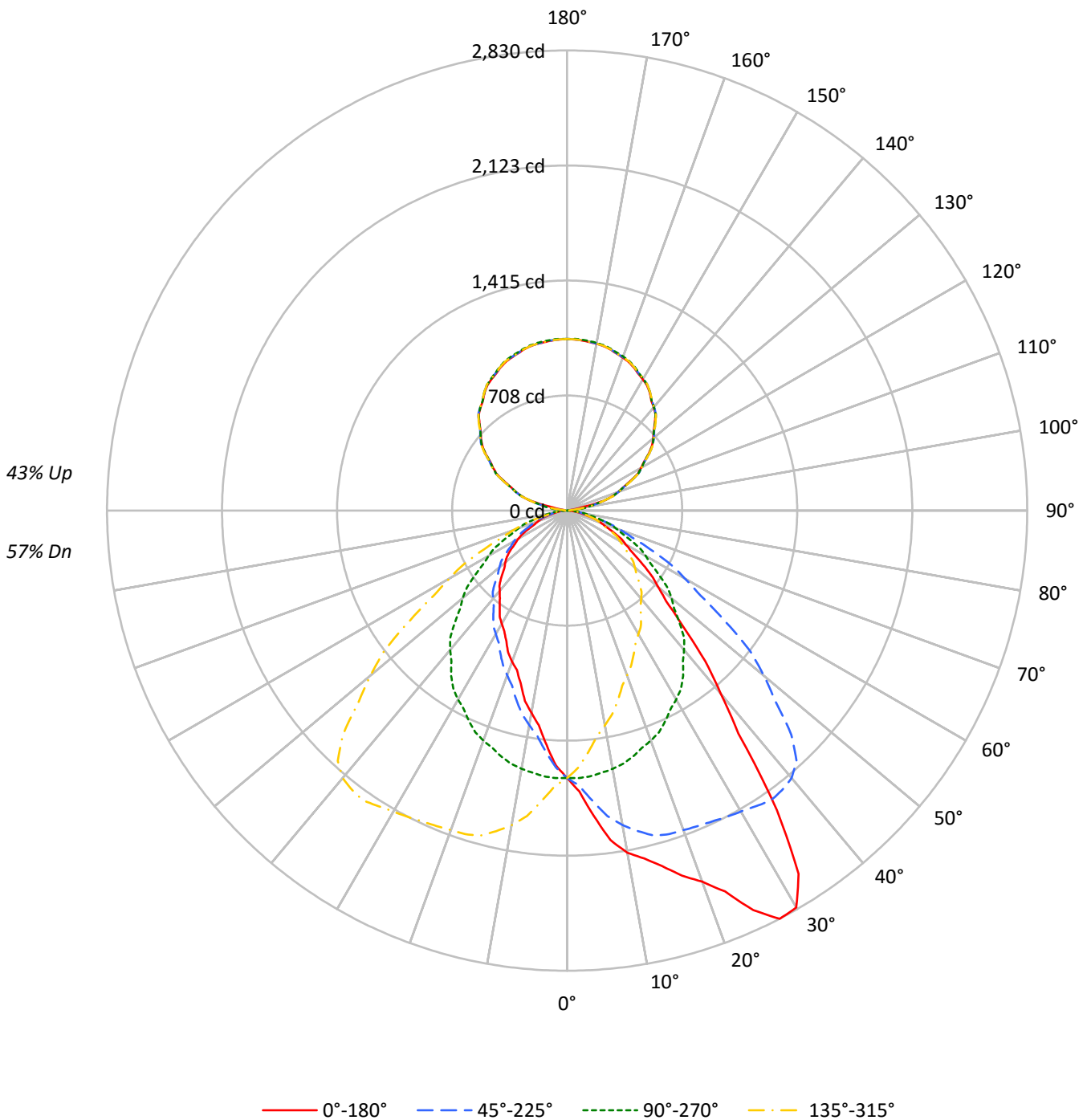
Input Watts (W): 54.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	100	96	92	89	93	89	86	83	77	75	73	66	64	63	56	55	54	49
2	91	84	78	73	85	79	73	69	68	64	61	59	56	53	50	48	46	42
3	84	74	67	61	78	69	63	58	60	56	52	52	49	45	44	42	40	36
4	77	66	58	52	71	62	55	50	54	49	44	47	43	39	40	37	34	31
5	70	59	51	45	65	55	48	43	48	43	38	42	38	34	36	33	30	27
6	65	53	45	39	60	50	43	37	44	38	34	38	34	30	33	29	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21
8	56	44	36	31	52	41	34	29	36	31	27	32	27	24	28	24	21	19
9	52	40	32	27	49	38	31	26	33	28	24	29	25	22	26	22	19	17
10	49	37	29	25	45	35	28	24	31	25	22	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10619	10619	10619	10619
5°	12217	10633	9390	10633
10°	14014	10579	8286	10579
15°	15136	10470	7365	10470
20°	16690	10344	6801	10344
25°	19316	10177	6310	10177
30°	21020	10001	5990	10001
35°	17731	9797	5694	9797
40°	12382	9429	5440	9429
45°	9186	8933	5191	8933
50°	7324	8416	4977	8416
55°	6217	7775	4788	7775
60°	5371	7201	4481	7201
65°	4786	6580	3857	6580
70°	4205	6027	3518	6027
75°	3638	5220	3301	5220
80°	2760	4392	2760	4392
85°	2297	3453	2601	3453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	2.1
10°-20°	462.1	6.2
20°-30°	732.6	9.8
30°-40°	883.5	11.8
40°-50°	789.0	10.5
50°-60°	605.0	8.1
60°-70°	393.2	5.2
70°-80°	191.2	2.5
80°-90°	47.8	0.6
90°-100°	38.3	0.5
100°-110°	236.3	3.1
110°-120°	428.5	5.7
120°-130°	550.0	7.3
130°-140°	591.5	7.9
140°-150°	555.2	7.4
150°-160°	449.1	6.0
160°-170°	290.5	3.9
170°-180°	100.2	1.3
0°-30°	1352.3	18.0
0°-40°	2235.8	29.8
0°-60°	3629.8	48.4
0°-90°	4262.0	56.8
90°-120°	703.1	9.4
90°-150°	2399.9	32.0
90°-180°	3240.0	43.2
0°-180°	7501.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1884	1640	1448	1640	1884	188
15°	2264	1566	1102	1566	2264	649
25°	2711	1428	886	1428	2711	1245
35°	2249	1243	722	1243	2249	1358
45°	1006	978	568	978	1006	802
55°	552	690	425	690	552	501
65°	313	431	252	431	313	312
75°	146	209	132	209	146	155
85°	31	47	35	47	31	36
90°	19	1	19	1	19	10
95°	16	45	16	45	16	14
105°	232	230	232	230	232	210
115°	429	432	429	432	429	425
125°	614	614	614	614	614	546
135°	762	766	762	766	762	588
145°	885	888	885	888	885	553
155°	970	978	970	978	970	447
165°	1026	1032	1026	1032	1026	290
175°	1050	1055	1050	1055	1050	100
180°	1055	1055	1055	1055	1055	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1729.5	1728.4	1730.6	1724.6	1725.2	1716.0	1716.0	1709.0	1699.8	1692.8	1689.5
5°	1884.4	1885.8	1883.1	1873.0	1866.2	1856.1	1844.6	1824.4	1807.5	1791.3	1778.5
7.5°	2044.0	2044.9	2036.0	2032.9	2015.9	2003.5	1978.0	1950.4	1926.0	1895.0	1871.2
10°	2136.9	2136.2	2126.7	2119.3	2104.5	2085.6	2060.6	2028.2	1997.8	1964.1	1931.7
12.5°	2190.9	2189.1	2186.1	2177.1	2163.3	2146.6	2125.4	2093.5	2056.1	2019.2	1981.4
15°	2263.8	2259.0	2250.3	2238.8	2219.2	2199.6	2176.0	2147.7	2111.9	2070.0	2035.0
17.5°	2353.9	2354.1	2340.6	2324.6	2298.0	2263.5	2227.0	2181.3	2132.7	2086.7	2049.3
20°	2428.4	2426.4	2412.9	2381.9	2351.5	2308.3	2266.5	2210.4	2151.0	2091.0	2044.4
22.5°	2535.4	2530.1	2516.0	2475.3	2428.2	2372.6	2308.6	2240.1	2168.3	2100.1	2039.0
25°	2710.6	2706.5	2678.8	2631.6	2565.5	2479.7	2396.0	2302.2	2199.0	2109.2	2035.0
27.5°	2830.4	2826.0	2805.5	2766.2	2705.2	2615.0	2501.7	2376.3	2247.4	2123.9	2016.9
30°	2818.6	2828.7	2826.0	2807.8	2761.9	2680.9	2576.3	2435.2	2282.0	2136.9	2009.3
32.5°	2649.0	2658.1	2681.8	2717.6	2720.3	2687.9	2609.7	2479.5	2320.9	2155.8	2003.4
35°	2248.9	2261.1	2307.0	2379.2	2473.7	2552.6	2568.8	2498.6	2356.2	2178.7	1994.5
37.5°	1728.9	1795.3	1834.0	1910.0	2052.8	2198.0	2337.7	2389.2	2328.5	2169.3	1980.0
40°	1468.7	1484.9	1553.7	1639.4	1759.6	1910.8	2109.9	2253.6	2258.4	2147.7	1957.3
42.5°	1257.0	1277.5	1324.8	1393.2	1496.1	1647.3	1852.9	2042.5	2130.4	2088.3	1927.6
45°	1005.7	1021.2	1055.6	1108.3	1187.2	1312.1	1488.9	1708.3	1882.4	1950.6	1848.0
47.5°	826.1	834.5	864.5	904.6	963.0	1054.0	1190.9	1381.3	1590.2	1736.6	1722.2
50°	728.9	738.4	761.3	791.7	841.0	917.9	1027.3	1185.9	1401.2	1580.0	1615.8
52.5°	653.3	661.2	675.5	704.2	744.9	804.0	892.3	1035.8	1229.5	1419.7	1502.4
55°	552.1	557.5	569.0	585.2	617.6	660.1	736.4	835.6	992.2	1183.8	1305.3
57.5°	468.7	471.4	478.7	493.7	516.1	547.1	602.2	686.3	798.6	971.2	1105.3
60°	415.8	418.5	427.9	438.0	455.6	483.9	527.1	585.8	693.8	836.3	971.9
62.5°	373.6	375.3	379.3	389.4	404.8	426.7	460.7	508.6	594.5	719.6	847.7
65°	313.2	313.8	315.2	323.3	332.7	348.9	371.2	405.0	469.8	564.3	677.6
67.5°	255.1	256.1	260.8	263.6	273.5	282.0	295.1	320.9	366.5	430.2	518.4
70°	222.7	222.1	226.8	230.2	233.5	243.7	252.4	273.4	301.7	350.3	423.9
72.5°	192.5	190.7	192.8	194.0	198.4	205.3	214.1	226.9	248.8	282.3	338.6
75°	145.8	146.5	146.5	147.8	151.2	153.9	156.6	163.3	175.5	197.8	228.1
77.5°	102.3	101.2	104.1	104.5	106.5	109.5	111.8	114.5	119.5	128.6	144.3
80°	74.2	74.2	74.9	76.9	76.3	77.6	81.0	83.7	89.8	95.2	100.6
82.5°	57.0	56.4	57.1	57.5	57.4	58.7	59.9	60.5	62.8	65.5	69.2
85°	31.0	31.0	31.7	31.7	32.4	32.4	33.1	33.1	33.1	33.7	34.4
87.5°	15.6	15.0	14.3	14.2	14.7	15.6	14.9	14.2	14.0	13.8	14.1
90°	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3	13.4	12.5	11.3
92.5°	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3	13.4	12.5	11.4
95°	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3	13.4	12.5	19.1
97.5°	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7	33.6	38.5	51.5
100°	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3	110.2	136.1	135.4
102.5°	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8	168.7	173.6	173.2
105°	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1	295.0	295.0	294.6
110°	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2	335.8	336.3	335.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	372.3	372.5	372.7	373.0	373.2	373.7	374.3	375.0	375.7	376.3	376.1
115°	428.6	429.6	430.6	431.7	432.7	433.6	434.3	435.0	435.7	436.4	436.2
117.5°	488.6	489.1	489.5	490.0	490.4	491.1	492.0	492.9	493.8	494.7	494.1
120°	525.5	526.4	527.3	528.1	529.0	529.6	530.0	530.3	530.7	531.0	530.5
122.5°	560.6	561.6	562.6	563.6	564.6	565.3	565.6	566.0	566.3	566.7	566.4
125°	613.9	614.4	614.9	615.5	616.0	616.6	617.3	618.0	618.7	619.4	619.4
127.5°	658.8	660.1	661.4	662.7	663.9	664.8	665.2	665.5	665.9	666.3	666.4
130°	691.3	692.2	693.1	693.9	694.8	695.5	696.0	696.5	697.1	697.6	697.4
132.5°	721.4	722.2	723.1	724.0	724.8	725.3	725.4	725.5	725.6	725.7	726.1
135°	762.5	763.5	764.6	765.6	766.7	767.4	767.7	768.1	768.4	768.8	769.1
137.5°	803.8	804.7	805.6	806.5	807.4	807.8	807.7	807.7	807.6	807.5	807.9
140°	828.2	829.2	830.3	831.3	832.4	832.7	832.4	832.0	831.7	831.3	831.5
142.5°	851.3	852.4	853.4	854.5	855.5	856.0	855.9	855.9	855.8	855.7	855.5
145°	885.3	886.3	887.4	888.4	889.4	889.9	889.7	889.5	889.4	889.2	889.2
147.5°	913.3	914.5	915.8	917.0	918.3	918.8	918.6	918.4	918.2	918.0	917.8
150°	931.4	932.8	934.2	935.6	937.0	937.5	937.2	936.8	936.5	936.1	935.8
152.5°	948.3	949.6	950.8	952.1	953.3	953.8	953.4	953.1	952.7	952.4	952.0
155°	970.5	971.9	973.3	974.7	976.1	976.5	976.0	975.5	974.9	974.4	974.1
157.5°	989.1	990.5	991.9	993.3	994.7	995.1	994.6	994.0	993.4	992.9	992.8
160°	1001.0	1002.4	1003.8	1005.2	1006.6	1006.9	1006.2	1005.5	1004.8	1004.1	1004.0
162.5°	1011.7	1013.2	1014.7	1016.2	1017.8	1018.0	1017.1	1016.1	1015.1	1014.2	1014.0
165°	1026.0	1027.4	1028.8	1030.2	1031.6	1031.8	1030.7	1029.7	1028.7	1027.6	1027.4
167.5°	1036.1	1037.6	1039.2	1040.7	1042.3	1042.5	1041.2	1040.0	1038.7	1037.5	1037.3
170°	1041.7	1043.2	1044.8	1046.4	1047.9	1048.0	1046.6	1045.2	1043.9	1042.5	1042.3
172.5°	1045.4	1047.0	1048.6	1050.1	1051.7	1051.9	1050.6	1049.3	1048.1	1046.8	1046.5
175°	1050.3	1051.9	1053.4	1055.0	1056.5	1056.6	1055.2	1053.8	1052.5	1051.1	1050.9
177.5°	1053.1	1054.2	1055.3	1056.4	1057.6	1057.6	1056.6	1055.7	1054.7	1053.7	1053.6
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1689.5	1685.7	1678.7	1672.2	1664.1	1657.1	1652.3	1646.3	1638.8	1629.6	1622.0
5°	1764.3	1749.4	1729.9	1713.0	1691.4	1674.5	1657.0	1640.1	1623.2	1601.6	1582.7
7.5°	1847.2	1816.5	1786.7	1749.2	1715.2	1684.8	1655.6	1626.1	1597.2	1566.5	1537.0
10°	1897.9	1860.8	1819.6	1772.4	1729.2	1688.0	1650.2	1613.1	1574.0	1539.5	1502.4
12.5°	1945.5	1897.5	1850.4	1790.8	1738.9	1688.6	1640.5	1594.2	1552.4	1507.7	1467.9
15°	1988.4	1941.1	1888.5	1815.6	1743.4	1682.6	1625.9	1565.9	1513.9	1463.9	1419.4
17.5°	2005.0	1955.4	1894.3	1824.2	1745.3	1668.9	1595.8	1530.0	1468.8	1410.6	1360.5
20°	1998.5	1950.6	1887.8	1821.0	1736.6	1657.0	1578.0	1505.1	1437.0	1375.5	1322.2
22.5°	1982.8	1933.3	1872.7	1802.1	1722.0	1637.5	1553.2	1475.4	1404.0	1340.4	1282.3
25°	1959.4	1891.9	1829.8	1760.9	1684.7	1601.0	1513.9	1428.2	1351.9	1287.1	1223.7
27.5°	1934.9	1850.7	1771.7	1703.3	1622.7	1548.0	1464.1	1376.2	1296.0	1230.0	1164.9
30°	1912.8	1818.3	1731.2	1653.6	1577.3	1506.5	1426.8	1341.1	1258.8	1190.6	1124.5
32.5°	1885.2	1784.8	1689.1	1599.6	1526.0	1455.7	1383.6	1301.7	1221.5	1151.2	1084.0
35°	1850.7	1722.5	1618.5	1523.3	1441.7	1373.5	1308.7	1242.6	1162.3	1089.4	1023.9
37.5°	1805.3	1659.8	1539.5	1435.9	1349.7	1281.3	1230.1	1169.7	1096.4	1026.6	965.8
40°	1777.8	1614.5	1482.8	1380.3	1289.8	1217.6	1169.7	1118.4	1051.6	986.1	925.3
42.5°	1741.1	1572.9	1425.6	1318.7	1227.7	1158.2	1109.7	1064.9	1008.9	947.2	882.1
45°	1669.1	1492.3	1337.7	1223.0	1131.2	1063.0	1017.8	978.0	935.5	878.8	822.1
47.5°	1575.4	1408.2	1246.5	1121.2	1031.3	968.0	924.1	892.7	862.3	814.1	759.0
50°	1500.4	1339.1	1181.1	1059.7	963.8	903.7	862.6	837.6	809.9	766.1	720.2
52.5°	1411.8	1267.8	1113.1	988.9	898.5	842.2	802.6	777.7	754.9	719.1	675.3
55°	1272.3	1146.1	1004.3	891.6	808.6	751.9	714.1	690.5	677.0	646.6	612.2
57.5°	1111.2	1020.8	895.8	787.1	713.7	657.7	630.0	609.9	594.6	573.2	548.9
60°	998.9	935.5	823.4	720.2	652.7	599.3	574.4	557.5	543.3	525.1	506.2
62.5°	885.0	838.8	741.4	652.7	590.6	545.9	522.5	507.3	491.0	478.7	460.3
65°	732.3	691.1	623.6	554.1	496.8	461.0	444.1	430.6	420.5	407.0	394.2
67.5°	569.7	552.9	506.3	458.4	417.2	385.4	370.8	361.4	349.2	341.1	332.3
70°	469.8	461.7	428.6	396.9	358.4	336.8	323.3	319.2	304.4	296.3	290.2
72.5°	381.2	377.4	358.4	336.4	309.3	290.4	277.9	273.4	263.9	257.4	253.5
75°	261.2	262.6	259.2	245.0	234.9	222.7	211.9	209.2	202.5	197.1	193.7
77.5°	165.2	172.1	172.4	171.7	167.7	160.2	155.8	153.8	147.1	145.1	144.3
80°	113.4	120.8	127.6	126.9	125.5	123.5	120.1	118.1	114.7	112.7	111.4
82.5°	75.6	82.5	88.1	91.8	91.5	89.5	87.2	86.3	85.6	84.1	83.8
85°	35.8	37.1	39.1	43.9	47.2	47.9	47.2	46.6	44.5	45.2	45.9
87.5°	14.4	14.2	14.5	14.2	13.4	15.8	17.2	17.4	16.6	15.8	15.0
90°	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0	11.1	10.1	9.1
95°	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6	44.1	43.5	43.0
97.5°	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1	94.0	94.9	95.9
100°	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6	131.1	131.6	132.2
102.5°	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8	169.4	170.1	170.7
105°	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9	230.6	231.3	232.0
107.5°	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4	293.4	293.4	293.4
110°	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7	334.7	334.7	334.7



TEST NUMBER: P333592

CATALOG NUMBER: S125RDIP-S1090D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	375.9	375.7	375.5	375.2	374.8	374.3	373.9	373.5	373.9	374.3	374.8
115°	436.0	435.9	435.7	435.2	434.3	433.4	432.6	431.7	432.6	433.4	434.3
117.5°	493.4	492.7	492.1	491.8	491.8	491.8	491.9	491.9	491.9	491.8	491.8
120°	530.0	529.4	528.9	528.7	528.9	529.1	529.3	529.4	529.3	529.1	528.9
122.5°	566.2	565.9	565.7	565.2	564.6	563.9	563.3	562.6	563.3	563.9	564.6
125°	619.4	619.4	619.4	618.8	617.6	616.3	615.1	613.9	615.1	616.3	617.6
127.5°	666.5	666.6	666.7	666.3	665.5	664.6	663.7	662.9	663.7	664.6	665.5
130°	697.2	697.1	696.9	696.4	695.5	694.6	693.8	692.9	693.8	694.6	695.5
132.5°	726.5	726.9	727.3	727.0	725.9	724.9	723.9	722.9	723.9	724.9	725.9
135°	769.4	769.8	770.1	769.8	768.8	767.7	766.7	765.6	766.7	767.7	768.8
137.5°	808.2	808.5	808.8	808.5	807.6	806.7	805.8	804.9	805.8	806.7	807.6
140°	831.7	831.8	832.0	831.9	831.6	831.2	830.9	830.5	830.9	831.2	831.6
142.5°	855.2	855.0	854.7	854.5	854.3	854.1	853.9	853.7	853.9	854.1	854.3
145°	889.2	889.2	889.2	889.0	888.7	888.3	888.0	887.6	888.0	888.3	888.7
147.5°	917.5	917.3	917.1	917.1	917.1	917.2	917.3	917.3	917.3	917.2	917.1
150°	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1	935.8	935.4	935.1
152.5°	951.7	951.3	951.0	951.2	952.0	952.7	953.5	954.3	953.5	952.7	952.0
155°	973.7	973.4	973.0	973.4	974.4	975.5	976.5	977.6	976.5	975.5	974.4
157.5°	992.8	992.8	992.7	993.0	993.7	994.3	994.9	995.5	994.9	994.3	993.7
160°	1003.8	1003.6	1003.5	1003.9	1004.9	1006.0	1007.0	1008.1	1007.0	1006.0	1004.9
162.5°	1013.8	1013.6	1013.5	1013.9	1014.9	1016.0	1017.0	1018.1	1017.0	1016.0	1014.9
165°	1027.3	1027.1	1026.9	1027.3	1028.4	1029.4	1030.5	1031.5	1030.5	1029.4	1028.4
167.5°	1037.1	1036.9	1036.8	1037.2	1038.3	1039.4	1040.5	1041.5	1040.5	1039.4	1038.3
170°	1042.1	1041.9	1041.8	1042.3	1043.5	1044.7	1045.9	1047.2	1045.9	1044.7	1043.5
172.5°	1046.2	1045.9	1045.6	1046.0	1047.3	1048.5	1049.7	1050.9	1049.7	1048.5	1047.3
175°	1050.7	1050.5	1050.4	1050.8	1051.9	1052.9	1053.9	1055.0	1053.9	1052.9	1051.9
177.5°	1053.4	1053.3	1053.2	1053.5	1054.4	1055.2	1056.0	1056.9	1056.0	1055.2	1054.4
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333592

CATALOG NUMBER: S125RDIP-S1090D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1616.6	1609.1	1603.7	1592.9	1585.3	1582.1	1576.1	1574.5	1580.4	1576.1	1575.6
5°	1568.6	1549.0	1533.5	1517.9	1501.1	1490.3	1474.1	1471.4	1467.3	1461.2	1459.9
7.5°	1510.9	1485.4	1465.4	1439.8	1417.5	1399.6	1379.3	1369.7	1364.5	1356.6	1346.1
10°	1472.0	1441.7	1414.7	1389.0	1361.4	1339.1	1318.8	1303.3	1293.2	1283.7	1279.7
12.5°	1433.7	1402.8	1368.2	1337.2	1306.3	1281.3	1258.9	1248.8	1237.6	1226.5	1217.1
15°	1374.2	1333.0	1295.2	1259.4	1233.1	1206.1	1184.5	1169.7	1152.8	1148.1	1129.9
17.5°	1311.0	1270.6	1226.4	1188.7	1158.2	1128.5	1104.7	1087.9	1075.2	1057.8	1049.4
20°	1271.6	1223.7	1180.5	1146.1	1112.3	1077.2	1052.9	1038.7	1026.6	1012.4	1005.7
22.5°	1229.5	1182.6	1138.4	1098.0	1063.7	1029.2	1011.9	997.2	983.4	970.3	961.4
25°	1167.6	1120.4	1073.8	1032.0	996.2	971.2	951.0	934.1	926.7	913.9	904.4
27.5°	1106.5	1056.3	1008.0	966.2	938.2	913.5	896.9	883.5	870.1	858.9	850.7
30°	1067.1	1015.8	963.1	930.1	900.4	876.7	858.5	845.7	835.6	825.5	819.4
32.5°	1027.7	974.8	928.0	892.3	864.2	843.8	825.0	812.8	802.1	790.9	783.7
35°	964.5	910.5	872.7	837.6	809.9	791.0	778.2	760.7	751.9	743.8	736.4
37.5°	905.8	855.6	814.7	783.9	759.8	741.1	724.5	715.0	704.2	696.9	690.7
40°	862.6	816.7	779.6	747.2	729.6	708.7	693.2	681.0	672.9	663.5	656.7
42.5°	823.7	781.0	745.0	715.8	694.0	676.3	661.3	649.2	638.9	632.2	626.5
45°	768.8	726.2	691.1	664.1	643.9	627.0	611.5	605.4	591.9	583.8	581.1
47.5°	711.9	673.9	640.0	615.1	594.4	578.4	563.8	551.4	544.0	536.0	531.7
50°	673.6	637.1	605.4	581.1	560.9	543.3	529.8	521.7	511.6	504.2	498.8
52.5°	635.3	601.5	569.8	546.6	529.0	511.5	496.4	488.3	478.7	473.9	470.2
55°	580.5	544.7	517.7	494.7	476.5	460.3	446.1	438.0	432.0	427.2	425.9
57.5°	518.4	490.0	464.9	444.2	425.3	410.1	397.7	390.0	384.6	383.9	379.9
60°	477.9	452.2	429.3	407.0	390.8	376.6	365.8	357.0	351.6	351.0	349.6
62.5°	437.4	412.8	391.5	371.9	357.3	343.7	333.4	323.6	320.3	317.0	314.0
65°	377.3	355.0	337.5	321.9	306.4	294.9	284.8	278.8	271.3	267.3	259.9
67.5°	318.3	301.0	284.2	271.1	258.9	248.0	239.6	230.6	225.6	222.3	216.9
70°	279.4	265.9	249.1	234.9	225.4	216.7	209.9	199.8	196.4	193.7	191.0
72.5°	242.7	230.8	216.7	205.2	195.7	187.5	179.7	174.9	171.6	168.9	167.3
75°	191.0	179.5	167.4	159.3	152.5	145.8	141.7	138.4	137.0	136.3	133.6
77.5°	140.3	134.2	124.5	118.0	113.5	110.8	107.2	105.4	105.3	102.3	101.4
80°	107.3	103.9	95.8	93.1	89.8	87.1	85.0	81.7	78.3	76.9	74.9
82.5°	79.8	76.4	73.2	68.8	66.0	64.4	62.4	61.1	61.6	59.7	58.7
85°	42.5	39.1	37.8	37.1	35.8	37.1	36.4	35.8	35.1	34.4	35.1
87.5°	14.8	15.0	14.7	16.1	14.7	15.5	15.6	15.3	15.4	15.6	15.2
90°	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3	15.1	16.0	16.7
92.5°	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3	15.1	16.0	16.5
95°	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3	15.1	16.0	16.4
97.5°	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7	23.8	18.9	16.4
100°	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3	58.4	32.5	19.2
102.5°	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8	158.9	154.0	145.7
105°	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1	295.1	295.1	294.9
110°	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2	334.7	334.2	334.0



TEST NUMBER: P333592

CATALOG NUMBER: S125RDIP-S1090D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	375.2	375.5	375.7	375.9	376.1	376.3	375.7	375.0	374.3	373.7	373.2
115°	435.2	435.7	435.9	436.0	436.2	436.4	435.7	435.0	434.3	433.6	432.7
117.5°	491.8	492.1	492.7	493.4	494.1	494.7	493.8	492.9	492.0	491.1	490.4
120°	528.7	528.9	529.4	530.0	530.5	531.0	530.7	530.3	530.0	529.6	529.0
122.5°	565.2	565.7	565.9	566.2	566.4	566.7	566.3	566.0	565.6	565.3	564.6
125°	618.8	619.4	619.4	619.4	619.4	619.4	618.7	618.0	617.3	616.6	616.0
127.5°	666.3	666.7	666.6	666.5	666.4	666.3	665.9	665.5	665.2	664.8	663.9
130°	696.4	696.9	697.1	697.2	697.4	697.6	697.1	696.5	696.0	695.5	694.8
132.5°	727.0	727.3	726.9	726.5	726.1	725.7	725.6	725.5	725.4	725.3	724.8
135°	769.8	770.1	769.8	769.4	769.1	768.8	768.4	768.1	767.7	767.4	766.7
137.5°	808.5	808.8	808.5	808.2	807.9	807.5	807.6	807.7	807.7	807.8	807.4
140°	831.9	832.0	831.8	831.7	831.5	831.3	831.7	832.0	832.4	832.7	832.4
142.5°	854.5	854.7	855.0	855.2	855.5	855.7	855.8	855.9	855.9	856.0	855.5
145°	889.0	889.2	889.2	889.2	889.2	889.2	889.4	889.5	889.7	889.9	889.4
147.5°	917.1	917.1	917.3	917.5	917.8	918.0	918.2	918.4	918.6	918.8	918.3
150°	934.7	934.7	935.1	935.4	935.8	936.1	936.5	936.8	937.2	937.5	937.0
152.5°	951.2	951.0	951.3	951.7	952.0	952.4	952.7	953.1	953.4	953.8	953.3
155°	973.4	973.0	973.4	973.7	974.1	974.4	974.9	975.5	976.0	976.5	976.1
157.5°	993.0	992.7	992.8	992.8	992.8	992.9	993.4	994.0	994.6	995.1	994.7
160°	1003.9	1003.5	1003.6	1003.8	1004.0	1004.1	1004.8	1005.5	1006.2	1006.9	1006.6
162.5°	1013.9	1013.5	1013.6	1013.8	1014.0	1014.2	1015.1	1016.1	1017.1	1018.0	1017.8
165°	1027.3	1026.9	1027.1	1027.3	1027.4	1027.6	1028.7	1029.7	1030.7	1031.8	1031.6
167.5°	1037.2	1036.8	1036.9	1037.1	1037.3	1037.5	1038.7	1040.0	1041.2	1042.5	1042.3
170°	1042.3	1041.8	1041.9	1042.1	1042.3	1042.5	1043.9	1045.2	1046.6	1048.0	1047.9
172.5°	1046.0	1045.6	1045.9	1046.2	1046.5	1046.8	1048.1	1049.3	1050.6	1051.9	1051.7
175°	1050.8	1050.4	1050.5	1050.7	1050.9	1051.1	1052.5	1053.8	1055.2	1056.6	1056.5
177.5°	1053.5	1053.2	1053.3	1053.4	1053.6	1053.7	1054.7	1055.7	1056.6	1057.6	1057.6
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333592

CATALOG NUMBER: S125RDIP-S1090D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1575.0	1569.1	1567.5	1569.6	1567.5	1569.1	1575.0	1575.6	1576.1	1580.4	1574.5
5°	1453.2	1446.4	1449.8	1448.4	1449.8	1446.4	1453.2	1459.9	1461.2	1467.3	1471.4
7.5°	1346.0	1337.6	1328.7	1331.5	1328.7	1337.6	1346.0	1346.1	1356.6	1364.5	1369.7
10°	1270.9	1264.2	1260.1	1263.5	1260.1	1264.2	1270.9	1279.7	1283.7	1293.2	1303.3
12.5°	1207.7	1203.7	1200.2	1198.7	1200.2	1203.7	1207.7	1217.1	1226.5	1237.6	1248.8
15°	1121.8	1113.7	1110.3	1101.5	1110.3	1113.7	1121.8	1129.9	1148.1	1152.8	1169.7
17.5°	1042.5	1039.8	1031.0	1027.3	1031.0	1039.8	1042.5	1049.4	1057.8	1075.2	1087.9
20°	995.5	992.8	984.1	989.5	984.1	992.8	995.5	1005.7	1012.4	1026.6	1038.7
22.5°	956.7	950.7	947.9	946.3	947.9	950.7	956.7	961.4	970.3	983.4	997.2
25°	901.7	892.9	889.6	885.5	889.6	892.9	901.7	904.4	913.9	926.7	934.1
27.5°	846.9	842.2	837.7	836.7	837.7	842.2	846.9	850.7	858.9	870.1	883.5
30°	811.3	806.6	803.2	803.2	803.2	806.6	811.3	819.4	825.5	835.6	845.7
32.5°	779.4	775.8	772.4	771.9	772.4	775.8	779.4	783.7	790.9	802.1	812.8
35°	733.0	727.6	726.2	722.2	726.2	727.6	733.0	736.4	743.8	751.9	760.7
37.5°	684.8	680.3	680.2	679.8	680.2	680.3	684.8	690.7	696.9	704.2	715.0
40°	654.0	650.6	650.0	645.2	650.0	650.6	654.0	656.7	663.5	672.9	681.0
42.5°	621.1	619.3	617.0	615.0	617.0	619.3	621.1	626.5	632.2	638.9	649.2
45°	576.4	571.7	571.7	568.3	571.7	571.7	576.4	581.1	583.8	591.9	605.4
47.5°	530.2	526.6	527.0	523.5	527.0	526.6	530.2	531.7	536.0	544.0	551.4
50°	499.5	497.4	496.8	495.4	496.8	497.4	499.5	498.8	504.2	511.6	521.7
52.5°	468.7	467.7	470.3	467.3	470.3	467.7	468.7	470.2	473.9	478.7	488.3
55°	427.2	425.2	429.3	425.2	429.3	425.2	427.2	425.9	427.2	432.0	438.0
57.5°	379.6	377.7	381.3	379.3	381.3	377.7	379.6	379.9	383.9	384.6	390.0
60°	348.3	344.2	346.2	346.9	346.2	344.2	348.3	349.6	351.0	351.6	357.0
62.5°	311.0	308.6	310.1	307.0	310.1	308.6	311.0	314.0	317.0	320.3	323.6
65°	258.5	256.5	253.8	252.4	253.8	256.5	258.5	259.9	267.3	271.3	278.8
67.5°	217.2	212.3	212.2	213.3	212.2	212.3	217.2	216.9	222.3	225.6	230.6
70°	187.0	187.0	186.3	186.3	186.3	187.0	187.0	191.0	193.7	196.4	199.8
72.5°	165.9	165.4	164.1	163.6	164.1	165.4	165.9	167.3	168.9	171.6	174.9
75°	133.6	134.3	133.0	132.3	133.0	134.3	133.6	133.6	136.3	137.0	138.4
77.5°	98.7	95.8	97.3	95.8	97.3	95.8	98.7	101.4	102.3	105.3	105.4
80°	74.9	74.2	76.3	74.2	76.3	74.2	74.9	74.9	76.9	78.3	81.7
82.5°	59.3	58.6	59.5	58.0	59.5	58.6	59.3	58.7	59.7	61.6	61.1
85°	35.8	35.1	34.4	35.1	34.4	35.1	35.8	35.1	34.4	35.1	35.8
87.5°	15.9	15.4	15.5	15.6	15.5	15.4	15.9	15.2	15.6	15.4	15.3
90°	17.2	17.7	18.2	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.3
92.5°	16.8	17.0	17.3	17.5	17.3	17.0	16.8	16.5	16.0	15.1	14.3
95°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.0	15.1	14.3
97.5°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	18.9	23.8	28.7
100°	18.5	17.8	17.1	16.4	17.1	17.8	18.5	19.2	32.5	58.4	84.3
102.5°	133.8	122.0	110.2	98.4	110.2	122.0	133.8	145.7	154.0	158.9	163.8
105°	232.8	232.6	232.4	232.3	232.4	232.6	232.8	233.0	233.0	233.0	233.0
107.5°	294.4	293.8	293.3	292.8	293.3	293.8	294.4	294.9	295.1	295.1	295.1
110°	334.2	334.4	334.5	334.7	334.5	334.4	334.2	334.0	334.2	334.7	335.2



TEST NUMBER: P333592

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	373.0	372.7	372.5	372.3	372.5	372.7	373.0	373.2	373.7	374.3	375.0
115°	431.7	430.6	429.6	428.6	429.6	430.6	431.7	432.7	433.6	434.3	435.0
117.5°	490.0	489.5	489.1	488.6	489.1	489.5	490.0	490.4	491.1	492.0	492.9
120°	528.1	527.3	526.4	525.5	526.4	527.3	528.1	529.0	529.6	530.0	530.3
122.5°	563.6	562.6	561.6	560.6	561.6	562.6	563.6	564.6	565.3	565.6	566.0
125°	615.5	614.9	614.4	613.9	614.4	614.9	615.5	616.0	616.6	617.3	618.0
127.5°	662.7	661.4	660.1	658.8	660.1	661.4	662.7	663.9	664.8	665.2	665.5
130°	693.9	693.1	692.2	691.3	692.2	693.1	693.9	694.8	695.5	696.0	696.5
132.5°	724.0	723.1	722.2	721.4	722.2	723.1	724.0	724.8	725.3	725.4	725.5
135°	765.6	764.6	763.5	762.5	763.5	764.6	765.6	766.7	767.4	767.7	768.1
137.5°	806.5	805.6	804.7	803.8	804.7	805.6	806.5	807.4	807.8	807.7	807.7
140°	831.3	830.3	829.2	828.2	829.2	830.3	831.3	832.4	832.7	832.4	832.0
142.5°	854.5	853.4	852.4	851.3	852.4	853.4	854.5	855.5	856.0	855.9	855.9
145°	888.4	887.4	886.3	885.3	886.3	887.4	888.4	889.4	889.9	889.7	889.5
147.5°	917.0	915.8	914.5	913.3	914.5	915.8	917.0	918.3	918.8	918.6	918.4
150°	935.6	934.2	932.8	931.4	932.8	934.2	935.6	937.0	937.5	937.2	936.8
152.5°	952.1	950.8	949.6	948.3	949.6	950.8	952.1	953.3	953.8	953.4	953.1
155°	974.7	973.3	971.9	970.5	971.9	973.3	974.7	976.1	976.5	976.0	975.5
157.5°	993.3	991.9	990.5	989.1	990.5	991.9	993.3	994.7	995.1	994.6	994.0
160°	1005.2	1003.8	1002.4	1001.0	1002.4	1003.8	1005.2	1006.6	1006.9	1006.2	1005.5
162.5°	1016.2	1014.7	1013.2	1011.7	1013.2	1014.7	1016.2	1017.8	1018.0	1017.1	1016.1
165°	1030.2	1028.8	1027.4	1026.0	1027.4	1028.8	1030.2	1031.6	1031.8	1030.7	1029.7
167.5°	1040.7	1039.2	1037.6	1036.1	1037.6	1039.2	1040.7	1042.3	1042.5	1041.2	1040.0
170°	1046.4	1044.8	1043.2	1041.7	1043.2	1044.8	1046.4	1047.9	1048.0	1046.6	1045.2
172.5°	1050.1	1048.6	1047.0	1045.4	1047.0	1048.6	1050.1	1051.7	1051.9	1050.6	1049.3
175°	1055.0	1053.4	1051.9	1050.3	1051.9	1053.4	1055.0	1056.5	1056.6	1055.2	1053.8
177.5°	1056.4	1055.3	1054.2	1053.1	1054.2	1055.3	1056.4	1057.6	1057.6	1056.6	1055.7
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1576.1	1582.1	1585.3	1592.9	1603.7	1609.1	1616.6	1622.0	1629.6	1638.8	1646.3
5°	1474.1	1490.3	1501.1	1517.9	1533.5	1549.0	1568.6	1582.7	1601.6	1623.2	1640.1
7.5°	1379.3	1399.6	1417.5	1439.8	1465.4	1485.4	1510.9	1537.0	1566.5	1597.2	1626.1
10°	1318.8	1339.1	1361.4	1389.0	1414.7	1441.7	1472.0	1502.4	1539.5	1574.0	1613.1
12.5°	1258.9	1281.3	1306.3	1337.2	1368.2	1402.8	1433.7	1467.9	1507.7	1552.4	1594.2
15°	1184.5	1206.1	1233.1	1259.4	1295.2	1333.0	1374.2	1419.4	1463.9	1513.9	1565.9
17.5°	1104.7	1128.5	1158.2	1188.7	1226.4	1270.6	1311.0	1360.5	1410.6	1468.8	1530.0
20°	1052.9	1077.2	1112.3	1146.1	1180.5	1223.7	1271.6	1322.2	1375.5	1437.0	1505.1
22.5°	1011.9	1029.2	1063.7	1098.0	1138.4	1182.6	1229.5	1282.3	1340.4	1404.0	1475.4
25°	951.0	971.2	996.2	1032.0	1073.8	1120.4	1167.6	1223.7	1287.1	1351.9	1428.2
27.5°	896.9	913.5	938.2	966.2	1008.0	1056.3	1106.5	1164.9	1230.0	1296.0	1376.2
30°	858.5	876.7	900.4	930.1	963.1	1015.8	1067.1	1124.5	1190.6	1258.8	1341.1
32.5°	825.0	843.8	864.2	892.3	928.0	974.8	1027.7	1084.0	1151.2	1221.5	1301.7
35°	778.2	791.0	809.9	837.6	872.7	910.5	964.5	1023.9	1089.4	1162.3	1242.6
37.5°	724.5	741.1	759.8	783.9	814.7	855.6	905.8	965.8	1026.6	1096.4	1169.7
40°	693.2	708.7	729.6	747.2	779.6	816.7	862.6	925.3	986.1	1051.6	1118.4
42.5°	661.3	676.3	694.0	715.8	745.0	781.0	823.7	882.1	947.2	1008.9	1064.9
45°	611.5	627.0	643.9	664.1	691.1	726.2	768.8	822.1	878.8	935.5	978.0
47.5°	563.8	578.4	594.4	615.1	640.0	673.9	711.9	759.0	814.1	862.3	892.7
50°	529.8	543.3	560.9	581.1	605.4	637.1	673.6	720.2	766.1	809.9	837.6
52.5°	496.4	511.5	529.0	546.6	569.8	601.5	635.3	675.3	719.1	754.9	777.7
55°	446.1	460.3	476.5	494.7	517.7	544.7	580.5	612.2	646.6	677.0	690.5
57.5°	397.7	410.1	425.3	444.2	464.9	490.0	518.4	548.9	573.2	594.6	609.9
60°	365.8	376.6	390.8	407.0	429.3	452.2	477.9	506.2	525.1	543.3	557.5
62.5°	333.4	343.7	357.3	371.9	391.5	412.8	437.4	460.3	478.7	491.0	507.3
65°	284.8	294.9	306.4	321.9	337.5	355.0	377.3	394.2	407.0	420.5	430.6
67.5°	239.6	248.0	258.9	271.1	284.2	301.0	318.3	332.3	341.1	349.2	361.4
70°	209.9	216.7	225.4	234.9	249.1	265.9	279.4	290.2	296.3	304.4	319.2
72.5°	179.7	187.5	195.7	205.2	216.7	230.8	242.7	253.5	257.4	263.9	273.4
75°	141.7	145.8	152.5	159.3	167.4	179.5	191.0	193.7	197.1	202.5	209.2
77.5°	107.2	110.8	113.5	118.0	124.5	134.2	140.3	144.3	145.1	147.1	153.8
80°	85.0	87.1	89.8	93.1	95.8	103.9	107.3	111.4	112.7	114.7	118.1
82.5°	62.4	64.4	66.0	68.8	73.2	76.4	79.8	83.8	84.1	85.6	86.3
85°	36.4	37.1	35.8	37.1	37.8	39.1	42.5	45.9	45.2	44.5	46.6
87.5°	15.6	15.5	14.7	16.1	14.7	15.0	14.8	15.0	15.8	16.6	17.4
90°	13.4	12.5	11.3	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8
92.5°	13.4	12.5	11.4	10.4	9.3	8.2	8.2	9.1	10.1	11.1	12.0
95°	13.4	12.5	19.1	25.7	32.3	38.9	42.5	43.0	43.5	44.1	44.6
97.5°	33.6	38.5	51.5	64.6	77.7	90.8	96.8	95.9	94.9	94.0	93.1
100°	110.2	136.1	135.4	134.7	134.0	133.3	132.7	132.2	131.6	131.1	130.6
102.5°	168.7	173.6	173.2	172.8	172.4	171.9	171.4	170.7	170.1	169.4	168.8
105°	233.0	233.0	233.0	233.0	233.0	233.0	232.7	232.0	231.3	230.6	229.9
107.5°	295.0	295.0	294.6	294.3	293.9	293.6	293.4	293.4	293.4	293.4	293.4
110°	335.8	336.3	335.9	335.6	335.2	334.9	334.7	334.7	334.7	334.7	334.7



TEST NUMBER: P333592

CATALOG NUMBER: S125RDIP-S1090D810U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	375.7	376.3	376.1	375.9	375.7	375.5	375.2	374.8	374.3	373.9	373.5
115°	435.7	436.4	436.2	436.0	435.9	435.7	435.2	434.3	433.4	432.6	431.7
117.5°	493.8	494.7	494.1	493.4	492.7	492.1	491.8	491.8	491.8	491.9	491.9
120°	530.7	531.0	530.5	530.0	529.4	528.9	528.7	528.9	529.1	529.3	529.4
122.5°	566.3	566.7	566.4	566.2	565.9	565.7	565.2	564.6	563.9	563.3	562.6
125°	618.7	619.4	619.4	619.4	619.4	619.4	618.8	617.6	616.3	615.1	613.9
127.5°	665.9	666.3	666.4	666.5	666.6	666.7	666.3	665.5	664.6	663.7	662.9
130°	697.1	697.6	697.4	697.2	697.1	696.9	696.4	695.5	694.6	693.8	692.9
132.5°	725.6	725.7	726.1	726.5	726.9	727.3	727.0	725.9	724.9	723.9	722.9
135°	768.4	768.8	769.1	769.4	769.8	770.1	769.8	768.8	767.7	766.7	765.6
137.5°	807.6	807.5	807.9	808.2	808.5	808.8	808.5	807.6	806.7	805.8	804.9
140°	831.7	831.3	831.5	831.7	831.8	832.0	831.9	831.6	831.2	830.9	830.5
142.5°	855.8	855.7	855.5	855.2	855.0	854.7	854.5	854.3	854.1	853.9	853.7
145°	889.4	889.2	889.2	889.2	889.2	889.2	889.0	888.7	888.3	888.0	887.6
147.5°	918.2	918.0	917.8	917.5	917.3	917.1	917.1	917.1	917.2	917.3	917.3
150°	936.5	936.1	935.8	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1
152.5°	952.7	952.4	952.0	951.7	951.3	951.0	951.2	952.0	952.7	953.5	954.3
155°	974.9	974.4	974.1	973.7	973.4	973.0	973.4	974.4	975.5	976.5	977.6
157.5°	993.4	992.9	992.8	992.8	992.8	992.7	993.0	993.7	994.3	994.9	995.5
160°	1004.8	1004.1	1004.0	1003.8	1003.6	1003.5	1003.9	1004.9	1006.0	1007.0	1008.1
162.5°	1015.1	1014.2	1014.0	1013.8	1013.6	1013.5	1013.9	1014.9	1016.0	1017.0	1018.1
165°	1028.7	1027.6	1027.4	1027.3	1027.1	1026.9	1027.3	1028.4	1029.4	1030.5	1031.5
167.5°	1038.7	1037.5	1037.3	1037.1	1036.9	1036.8	1037.2	1038.3	1039.4	1040.5	1041.5
170°	1043.9	1042.5	1042.3	1042.1	1041.9	1041.8	1042.3	1043.5	1044.7	1045.9	1047.2
172.5°	1048.1	1046.8	1046.5	1046.2	1045.9	1045.6	1046.0	1047.3	1048.5	1049.7	1050.9
175°	1052.5	1051.1	1050.9	1050.7	1050.5	1050.4	1050.8	1051.9	1052.9	1053.9	1055.0
177.5°	1054.7	1053.7	1053.6	1053.4	1053.3	1053.2	1053.5	1054.4	1055.2	1056.0	1056.9
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



TEST NUMBER: P333592

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1652.3	1657.1	1664.1	1672.2	1678.7	1685.7	1689.5	1689.5	1692.8	1699.8	1709.0
5°	1657.0	1674.5	1691.4	1713.0	1729.9	1749.4	1764.3	1778.5	1791.3	1807.5	1824.4
7.5°	1655.6	1684.8	1715.2	1749.2	1786.7	1816.5	1847.2	1871.2	1895.0	1926.0	1950.4
10°	1650.2	1688.0	1729.2	1772.4	1819.6	1860.8	1897.9	1931.7	1964.1	1997.8	2028.2
12.5°	1640.5	1688.6	1738.9	1790.8	1850.4	1897.5	1945.5	1981.4	2019.2	2056.1	2093.5
15°	1625.9	1682.6	1743.4	1815.6	1888.5	1941.1	1988.4	2035.0	2070.0	2111.9	2147.7
17.5°	1595.8	1668.9	1745.3	1824.2	1894.3	1955.4	2005.0	2049.3	2086.7	2132.7	2181.3
20°	1578.0	1657.0	1736.6	1821.0	1887.8	1950.6	1998.5	2044.4	2091.0	2151.0	2210.4
22.5°	1553.2	1637.5	1722.0	1802.1	1872.7	1933.3	1982.8	2039.0	2100.1	2168.3	2240.1
25°	1513.9	1601.0	1684.7	1760.9	1829.8	1891.9	1959.4	2035.0	2109.2	2199.0	2302.2
27.5°	1464.1	1548.0	1622.7	1703.3	1771.7	1850.7	1934.9	2016.9	2123.9	2247.4	2376.3
30°	1426.8	1506.5	1577.3	1653.6	1731.2	1818.3	1912.8	2009.3	2136.9	2282.0	2435.2
32.5°	1383.6	1455.7	1526.0	1599.6	1689.1	1784.8	1885.2	2003.4	2155.8	2320.9	2479.5
35°	1308.7	1373.5	1441.7	1523.3	1618.5	1722.5	1850.7	1994.5	2178.7	2356.2	2498.6
37.5°	1230.1	1281.3	1349.7	1435.9	1539.5	1659.8	1805.3	1980.0	2169.3	2328.5	2389.2
40°	1169.7	1217.6	1289.8	1380.3	1482.8	1614.5	1777.8	1957.3	2147.7	2258.4	2253.6
42.5°	1109.7	1158.2	1227.7	1318.7	1425.6	1572.9	1741.1	1927.6	2088.3	2130.4	2042.5
45°	1017.8	1063.0	1131.2	1223.0	1337.7	1492.3	1669.1	1848.0	1950.6	1882.4	1708.3
47.5°	924.1	968.0	1031.3	1121.2	1246.5	1408.2	1575.4	1722.2	1736.6	1590.2	1381.3
50°	862.6	903.7	963.8	1059.7	1181.1	1339.1	1500.4	1615.8	1580.0	1401.2	1185.9
52.5°	802.6	842.2	898.5	988.9	1113.1	1267.8	1411.8	1502.4	1419.7	1229.5	1035.8
55°	714.1	751.9	808.6	891.6	1004.3	1146.1	1272.3	1305.3	1183.8	992.2	835.6
57.5°	630.0	657.7	713.7	787.1	895.8	1020.8	1111.2	1105.3	971.2	798.6	686.3
60°	574.4	599.3	652.7	720.2	823.4	935.5	998.9	971.9	836.3	693.8	585.8
62.5°	522.5	545.9	590.6	652.7	741.4	838.8	885.0	847.7	719.6	594.5	508.6
65°	444.1	461.0	496.8	554.1	623.6	691.1	732.3	677.6	564.3	469.8	405.0
67.5°	370.8	385.4	417.2	458.4	506.3	552.9	569.7	518.4	430.2	366.5	320.9
70°	323.3	336.8	358.4	396.9	428.6	461.7	469.8	423.9	350.3	301.7	273.4
72.5°	277.9	290.4	309.3	336.4	358.4	377.4	381.2	338.6	282.3	248.8	226.9
75°	211.9	222.7	234.9	245.0	259.2	262.6	261.2	228.1	197.8	175.5	163.3
77.5°	155.8	160.2	167.7	171.7	172.4	172.1	165.2	144.3	128.6	119.5	114.5
80°	120.1	123.5	125.5	126.9	127.6	120.8	113.4	100.6	95.2	89.8	83.7
82.5°	87.2	89.5	91.5	91.8	88.1	82.5	75.6	69.2	65.5	62.8	60.5
85°	47.2	47.9	47.2	43.9	39.1	37.1	35.8	34.4	33.7	33.1	33.1
87.5°	17.2	15.8	13.4	14.2	14.5	14.2	14.4	14.1	13.8	14.0	14.2
90°	2.2	3.6	5.0	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.3
92.5°	11.1	10.1	9.1	8.2	8.2	9.3	10.4	11.4	12.5	13.4	14.3
95°	44.1	43.5	43.0	42.5	38.9	32.3	25.7	19.1	12.5	13.4	14.3
97.5°	94.0	94.9	95.9	96.8	90.8	77.7	64.6	51.5	38.5	33.6	28.7
100°	131.1	131.6	132.2	132.7	133.3	134.0	134.7	135.4	136.1	110.2	84.3
102.5°	169.4	170.1	170.7	171.4	171.9	172.4	172.8	173.2	173.6	168.7	163.8
105°	230.6	231.3	232.0	232.7	233.0	233.0	233.0	233.0	233.0	233.0	233.0
107.5°	293.4	293.4	293.4	293.4	293.6	293.9	294.3	294.6	295.0	295.0	295.1
110°	334.7	334.7	334.7	334.7	334.9	335.2	335.6	335.9	336.3	335.8	335.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	373.9	374.3	374.8	375.2	375.5	375.7	375.9	376.1	376.3	375.7	375.0
115°	432.6	433.4	434.3	435.2	435.7	435.9	436.0	436.2	436.4	435.7	435.0
117.5°	491.9	491.8	491.8	491.8	492.1	492.7	493.4	494.1	494.7	493.8	492.9
120°	529.3	529.1	528.9	528.7	528.9	529.4	530.0	530.5	531.0	530.7	530.3
122.5°	563.3	563.9	564.6	565.2	565.7	565.9	566.2	566.4	566.7	566.3	566.0
125°	615.1	616.3	617.6	618.8	619.4	619.4	619.4	619.4	619.4	618.7	618.0
127.5°	663.7	664.6	665.5	666.3	666.7	666.6	666.5	666.4	666.3	665.9	665.5
130°	693.8	694.6	695.5	696.4	696.9	697.1	697.2	697.4	697.6	697.1	696.5
132.5°	723.9	724.9	725.9	727.0	727.3	726.9	726.5	726.1	725.7	725.6	725.5
135°	766.7	767.7	768.8	769.8	770.1	769.8	769.4	769.1	768.8	768.4	768.1
137.5°	805.8	806.7	807.6	808.5	808.8	808.5	808.2	807.9	807.5	807.6	807.7
140°	830.9	831.2	831.6	831.9	832.0	831.8	831.7	831.5	831.3	831.7	832.0
142.5°	853.9	854.1	854.3	854.5	854.7	855.0	855.2	855.5	855.7	855.8	855.9
145°	888.0	888.3	888.7	889.0	889.2	889.2	889.2	889.2	889.2	889.4	889.5
147.5°	917.3	917.2	917.1	917.1	917.1	917.3	917.5	917.8	918.0	918.2	918.4
150°	935.8	935.4	935.1	934.7	934.7	935.1	935.4	935.8	936.1	936.5	936.8
152.5°	953.5	952.7	952.0	951.2	951.0	951.3	951.7	952.0	952.4	952.7	953.1
155°	976.5	975.5	974.4	973.4	973.0	973.4	973.7	974.1	974.4	974.9	975.5
157.5°	994.9	994.3	993.7	993.0	992.7	992.8	992.8	992.8	992.9	993.4	994.0
160°	1007.0	1006.0	1004.9	1003.9	1003.5	1003.6	1003.8	1004.0	1004.1	1004.8	1005.5
162.5°	1017.0	1016.0	1014.9	1013.9	1013.5	1013.6	1013.8	1014.0	1014.2	1015.1	1016.1
165°	1030.5	1029.4	1028.4	1027.3	1026.9	1027.1	1027.3	1027.4	1027.6	1028.7	1029.7
167.5°	1040.5	1039.4	1038.3	1037.2	1036.8	1036.9	1037.1	1037.3	1037.5	1038.7	1040.0
170°	1045.9	1044.7	1043.5	1042.3	1041.8	1041.9	1042.1	1042.3	1042.5	1043.9	1045.2
172.5°	1049.7	1048.5	1047.3	1046.0	1045.6	1045.9	1046.2	1046.5	1046.8	1048.1	1049.3
175°	1053.9	1052.9	1051.9	1050.8	1050.4	1050.5	1050.7	1050.9	1051.1	1052.5	1053.8
177.5°	1056.0	1055.2	1054.4	1053.5	1053.2	1053.3	1053.4	1053.6	1053.7	1054.7	1055.7
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1716.0	1716.0	1725.2	1724.6	1730.6	1728.4	1729.5
5°	1844.6	1856.1	1866.2	1873.0	1883.1	1885.8	1884.4
7.5°	1978.0	2003.5	2015.9	2032.9	2036.0	2044.9	2044.0
10°	2060.6	2085.6	2104.5	2119.3	2126.7	2136.2	2136.9
12.5°	2125.4	2146.6	2163.3	2177.1	2186.1	2189.1	2190.9
15°	2176.0	2199.6	2219.2	2238.8	2250.3	2259.0	2263.8
17.5°	2227.0	2263.5	2298.0	2324.6	2340.6	2354.1	2353.9
20°	2266.5	2308.3	2351.5	2381.9	2412.9	2426.4	2428.4
22.5°	2308.6	2372.6	2428.2	2475.3	2516.0	2530.1	2535.4
25°	2396.0	2479.7	2565.5	2631.6	2678.8	2706.5	2710.6
27.5°	2501.7	2615.0	2705.2	2766.2	2805.5	2826.0	2830.4
30°	2576.3	2680.9	2761.9	2807.8	2826.0	2828.7	2818.6
32.5°	2609.7	2687.9	2720.3	2717.6	2681.8	2658.1	2649.0
35°	2568.8	2552.6	2473.7	2379.2	2307.0	2261.1	2248.9
37.5°	2337.7	2198.0	2052.8	1910.0	1834.0	1795.3	1728.9
40°	2109.9	1910.8	1759.6	1639.4	1553.7	1484.9	1468.7
42.5°	1852.9	1647.3	1496.1	1393.2	1324.8	1277.5	1257.0
45°	1488.9	1312.1	1187.2	1108.3	1055.6	1021.2	1005.7
47.5°	1190.9	1054.0	963.0	904.6	864.5	834.5	826.1
50°	1027.3	917.9	841.0	791.7	761.3	738.4	728.9
52.5°	892.3	804.0	744.9	704.2	675.5	661.2	653.3
55°	736.4	660.1	617.6	585.2	569.0	557.5	552.1
57.5°	602.2	547.1	516.1	493.7	478.7	471.4	468.7
60°	527.1	483.9	455.6	438.0	427.9	418.5	415.8
62.5°	460.7	426.7	404.8	389.4	379.3	375.3	373.6
65°	371.2	348.9	332.7	323.3	315.2	313.8	313.2
67.5°	295.1	282.0	273.5	263.6	260.8	256.1	255.1
70°	252.4	243.7	233.5	230.2	226.8	222.1	222.7
72.5°	214.1	205.3	198.4	194.0	192.8	190.7	192.5
75°	156.6	153.9	151.2	147.8	146.5	146.5	145.8
77.5°	111.8	109.5	106.5	104.5	104.1	101.2	102.3
80°	81.0	77.6	76.3	76.9	74.9	74.2	74.2
82.5°	59.9	58.7	57.4	57.5	57.1	56.4	57.0
85°	33.1	32.4	32.4	31.7	31.7	31.0	31.0
87.5°	14.9	15.6	14.7	14.2	14.3	15.0	15.6
90°	15.1	16.0	16.7	17.2	17.7	18.2	18.8
92.5°	15.1	16.0	16.5	16.8	17.0	17.3	17.5
95°	15.1	16.0	16.4	16.4	16.4	16.4	16.4
97.5°	23.8	18.9	16.4	16.4	16.4	16.4	16.4
100°	58.4	32.5	19.2	18.5	17.8	17.1	16.4
102.5°	158.9	154.0	145.7	133.8	122.0	110.2	98.4
105°	233.0	233.0	233.0	232.8	232.6	232.4	232.3
107.5°	295.1	295.1	294.9	294.4	293.8	293.3	292.8
110°	334.7	334.2	334.0	334.2	334.4	334.5	334.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	374.3	373.7	373.2	373.0	372.7	372.5	372.3
115°	434.3	433.6	432.7	431.7	430.6	429.6	428.6
117.5°	492.0	491.1	490.4	490.0	489.5	489.1	488.6
120°	530.0	529.6	529.0	528.1	527.3	526.4	525.5
122.5°	565.6	565.3	564.6	563.6	562.6	561.6	560.6
125°	617.3	616.6	616.0	615.5	614.9	614.4	613.9
127.5°	665.2	664.8	663.9	662.7	661.4	660.1	658.8
130°	696.0	695.5	694.8	693.9	693.1	692.2	691.3
132.5°	725.4	725.3	724.8	724.0	723.1	722.2	721.4
135°	767.7	767.4	766.7	765.6	764.6	763.5	762.5
137.5°	807.7	807.8	807.4	806.5	805.6	804.7	803.8
140°	832.4	832.7	832.4	831.3	830.3	829.2	828.2
142.5°	855.9	856.0	855.5	854.5	853.4	852.4	851.3
145°	889.7	889.9	889.4	888.4	887.4	886.3	885.3
147.5°	918.6	918.8	918.3	917.0	915.8	914.5	913.3
150°	937.2	937.5	937.0	935.6	934.2	932.8	931.4
152.5°	953.4	953.8	953.3	952.1	950.8	949.6	948.3
155°	976.0	976.5	976.1	974.7	973.3	971.9	970.5
157.5°	994.6	995.1	994.7	993.3	991.9	990.5	989.1
160°	1006.2	1006.9	1006.6	1005.2	1003.8	1002.4	1001.0
162.5°	1017.1	1018.0	1017.8	1016.2	1014.7	1013.2	1011.7
165°	1030.7	1031.8	1031.6	1030.2	1028.8	1027.4	1026.0
167.5°	1041.2	1042.5	1042.3	1040.7	1039.2	1037.6	1036.1
170°	1046.6	1048.0	1047.9	1046.4	1044.8	1043.2	1041.7
172.5°	1050.6	1051.9	1051.7	1050.1	1048.6	1047.0	1045.4
175°	1055.2	1056.6	1056.5	1055.0	1053.4	1051.9	1050.3
177.5°	1056.6	1057.6	1057.6	1056.4	1055.3	1054.2	1053.1
180°	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0	1055.0

(END OF REPORT)