

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: P333629-935

Luminaire Tested: **S125RDIP-S1270D1035U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333629-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1270D1035U935-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1035 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7320.5 lumens
Efficiency: N/A
Efficacy: 109.6 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

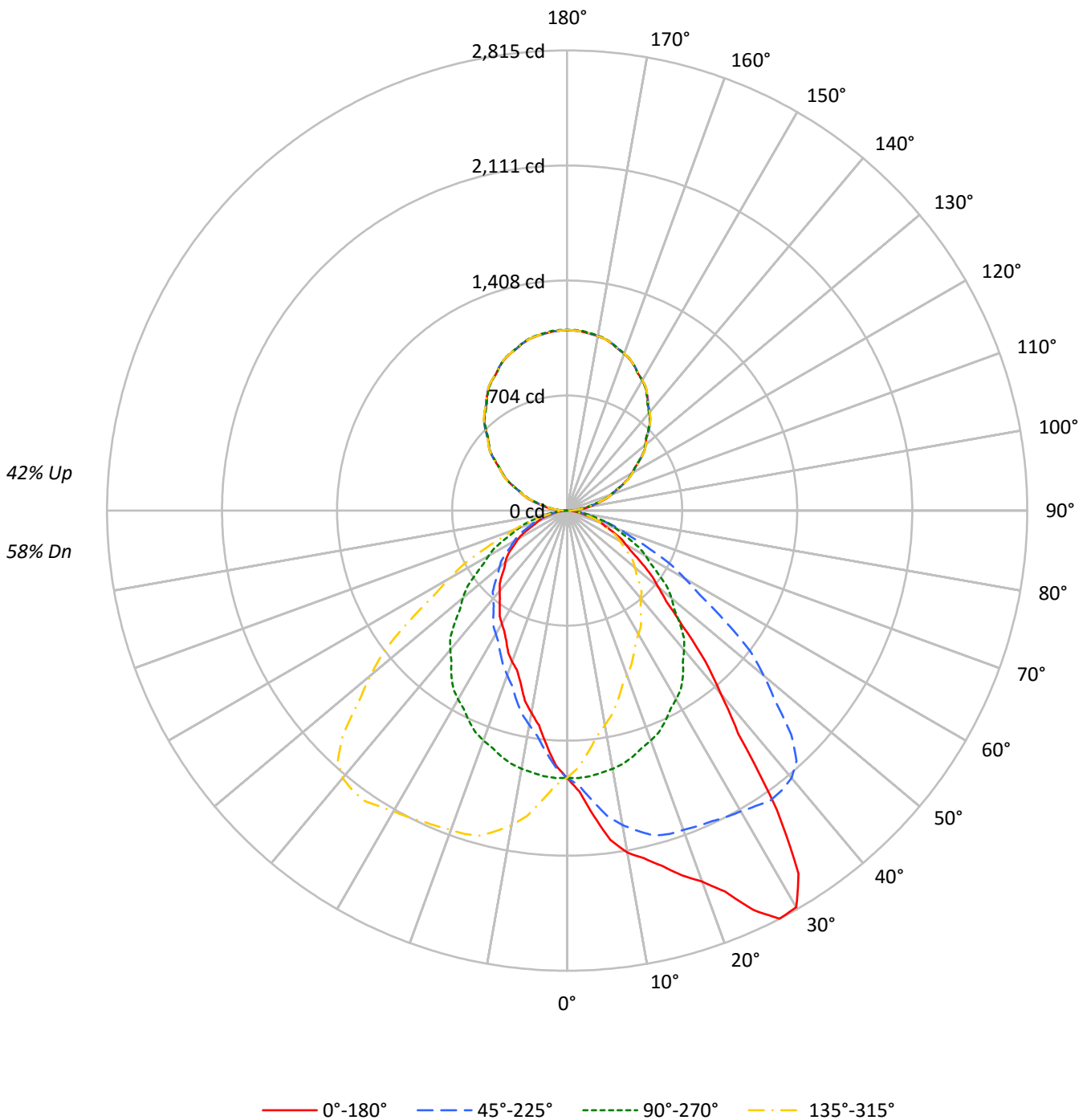
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	102	102	102	88	88	88	75	75	75	63	63	63	58
1	100	96	92	89	93	90	86	83	78	75	73	67	65	64	57	56	55	50
2	91	84	78	73	85	79	74	69	69	65	61	59	56	54	51	48	47	42
3	84	74	67	62	78	70	63	58	61	56	52	53	49	46	45	42	40	36
4	77	66	58	52	71	62	55	50	54	49	45	47	43	40	41	37	35	32
5	71	59	51	45	66	56	48	43	49	43	39	43	38	35	37	33	31	28
6	65	53	45	39	61	50	43	38	44	38	34	39	34	31	33	30	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	31	52	41	34	29	37	31	27	32	28	24	28	24	22	19
9	52	40	33	27	49	38	31	26	34	28	24	30	25	22	26	22	20	18
10	49	37	30	25	46	35	28	24	31	26	22	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	10559	10559	10559	10559
5°	12149	10573	9337	10573
10°	13935	10519	8239	10519
15°	15051	10411	7324	10411
20°	16597	10287	6763	10287
25°	19207	10120	6274	10120
30°	20901	9945	5956	9945
35°	17631	9742	5662	9742
40°	12312	9377	5409	9377
45°	9134	8882	5161	8882
50°	7283	8368	4950	8368
55°	6182	7731	4761	7731
60°	5341	7161	4456	7161
65°	4759	6544	3836	6544
70°	4181	5995	3497	5995
75°	3618	5190	3284	5190
80°	2745	4366	2745	4366
85°	2290	3431	2586	3431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	2.1
10°-20°	459.5	6.3
20°-30°	728.5	10.0
30°-40°	878.5	12.0
40°-50°	784.5	10.7
50°-60°	601.6	8.2
60°-70°	391.0	5.3
70°-80°	190.1	2.6
80°-90°	47.8	0.7
90°-100°	74.0	1.0
100°-110°	218.5	3.0
110°-120°	370.0	5.1
120°-130°	487.0	6.7
130°-140°	545.7	7.5
140°-150°	534.8	7.3
150°-160°	449.2	6.1
160°-170°	298.6	4.1
170°-180°	104.5	1.4
0°-30°	1344.7	18.4
0°-40°	2223.3	30.4
0°-60°	3609.4	49.3
0°-90°	4238.3	57.9
90°-120°	662.5	9.0
90°-150°	2229.9	30.5
90°-180°	3082.0	42.1
0°-180°	7320.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1635	1635	1635	1635	1635	
5°	1874	1631	1440	1631	1874	187
15°	2251	1557	1095	1557	2251	645
25°	2695	1420	880	1420	2695	1238
35°	2236	1236	718	1236	2236	1351
45°	1000	972	565	972	1000	798
55°	549	687	423	687	549	498
65°	311	428	251	428	311	310
75°	145	208	132	208	145	154
85°	31	46	35	46	31	36
90°	21	1	21	1	21	13
95°	74	56	74	56	74	75
105°	213	196	213	196	213	226
115°	374	370	374	370	374	370
125°	544	541	544	541	544	486
135°	706	703	706	703	706	544
145°	855	852	855	852	855	534
155°	975	975	975	975	975	449
165°	1057	1060	1057	1060	1057	298
175°	1098	1102	1098	1102	1098	104
180°	1105	1105	1105	1105	1105	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1719.8	1718.7	1720.9	1714.9	1715.5	1706.3	1706.3	1699.4	1690.2	1683.3	1680.1
5°	1873.9	1875.3	1872.5	1862.4	1855.8	1845.7	1834.3	1814.1	1797.3	1781.2	1768.5
7.5°	2032.6	2033.5	2024.6	2021.5	2004.6	1992.3	1966.9	1939.5	1915.2	1884.4	1860.7
10°	2124.9	2124.3	2114.8	2107.5	2092.7	2073.9	2049.1	2016.8	1986.7	1953.1	1920.9
12.5°	2178.6	2176.9	2173.9	2164.9	2151.2	2134.6	2113.5	2081.8	2044.6	2007.9	1970.2
15°	2251.1	2246.3	2237.7	2226.2	2206.7	2187.3	2163.8	2135.6	2100.1	2058.5	2023.5
17.5°	2340.7	2340.9	2327.5	2311.6	2285.2	2250.8	2214.6	2169.0	2120.7	2074.9	2037.8
20°	2414.8	2412.8	2399.4	2368.5	2338.3	2295.3	2253.8	2198.0	2139.0	2079.2	2032.9
22.5°	2521.2	2515.9	2502.0	2461.4	2414.6	2359.2	2295.6	2227.6	2156.2	2088.4	2027.6
25°	2695.4	2691.3	2663.8	2616.8	2551.1	2465.8	2382.6	2289.3	2186.7	2097.4	2023.5
27.5°	2814.6	2810.1	2789.7	2750.7	2690.0	2600.3	2487.7	2363.0	2234.8	2112.0	2005.5
30°	2802.7	2812.8	2810.1	2792.1	2746.4	2665.8	2561.8	2421.6	2269.2	2124.9	1998.0
32.5°	2634.1	2643.2	2666.8	2702.3	2705.0	2672.8	2595.1	2465.6	2307.8	2143.7	1992.1
35°	2236.3	2248.4	2294.0	2365.9	2459.8	2538.3	2554.4	2484.7	2343.0	2166.5	1983.3
37.5°	1719.2	1785.3	1823.7	1899.3	2041.3	2185.7	2324.6	2375.8	2315.5	2157.1	1968.9
40°	1460.4	1476.5	1545.0	1630.2	1749.7	1900.1	2098.1	2241.0	2245.7	2135.6	1946.4
42.5°	1250.0	1270.4	1317.3	1385.4	1487.7	1638.1	1842.5	2031.1	2118.5	2076.6	1916.8
45°	1000.1	1015.5	1049.7	1102.1	1180.6	1304.8	1480.6	1698.7	1871.9	1939.7	1837.6
47.5°	821.5	829.8	859.6	899.5	957.6	1048.1	1184.2	1373.6	1581.2	1726.9	1712.5
50°	724.9	734.3	757.1	787.3	836.3	912.7	1021.5	1179.2	1393.4	1571.2	1606.8
52.5°	649.7	657.5	671.7	700.3	740.7	799.5	887.3	1029.9	1222.6	1411.7	1494.0
55°	549.0	554.4	565.8	581.9	614.2	656.4	732.2	830.9	986.6	1177.2	1298.0
57.5°	466.1	468.7	476.0	490.9	513.2	544.1	598.8	682.4	794.1	965.8	1099.1
60°	413.5	416.1	425.5	435.6	453.1	481.2	524.2	582.6	689.9	831.6	966.5
62.5°	371.5	373.2	377.2	387.3	402.6	424.3	458.1	505.8	591.2	715.6	843.0
65°	311.4	312.1	313.4	321.5	330.9	347.0	369.1	402.7	467.1	561.1	673.8
67.5°	253.7	254.6	259.3	262.2	272.0	280.4	293.4	319.1	364.5	427.8	515.5
70°	221.4	220.8	225.5	228.9	232.2	242.3	251.0	271.8	300.0	348.4	421.5
72.5°	191.4	189.7	191.7	192.9	197.3	204.1	212.9	225.7	247.4	280.7	336.7
75°	145.0	145.7	145.7	147.0	150.3	153.0	155.7	162.4	174.5	196.7	226.9
77.5°	101.8	100.7	103.5	103.9	105.9	108.8	111.2	113.8	118.8	127.9	143.5
80°	73.8	73.8	74.5	76.5	75.9	77.1	80.5	83.3	89.3	94.6	100.0
82.5°	56.7	56.1	56.7	57.2	57.1	58.4	59.6	60.1	62.4	65.1	68.9
85°	30.9	30.9	31.5	31.5	32.2	32.2	32.9	32.9	32.9	33.6	34.3
87.5°	15.9	15.3	14.6	14.6	15.0	15.8	15.2	14.4	14.2	14.0	14.3
90°	20.7	20.1	19.5	18.9	18.3	17.6	16.6	15.7	14.7	13.8	12.4
92.5°	40.6	40.1	39.7	39.3	38.9	38.1	36.8	35.6	34.3	33.0	31.3
95°	74.0	73.5	73.2	72.8	72.4	71.5	70.2	68.9	67.5	66.2	64.3
97.5°	112.1	111.8	111.7	111.4	111.2	110.5	109.2	107.9	106.7	105.4	102.7
100°	140.9	140.6	140.2	139.8	139.5	138.4	136.6	134.9	133.2	131.5	129.1
102.5°	169.9	169.4	168.8	168.2	167.7	166.5	164.6	162.7	160.9	159.0	157.7
105°	213.2	212.6	212.1	211.5	210.9	210.0	208.9	207.8	206.6	205.4	204.3
107.5°	257.5	257.6	257.6	257.6	257.7	257.4	256.8	256.2	255.7	255.1	254.3
110°	290.5	290.8	290.9	291.1	291.3	291.1	290.5	290.0	289.4	288.8	288.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	322.9	323.2	323.6	323.9	324.3	324.3	324.0	323.7	323.5	323.2	322.4
115°	373.9	374.1	374.3	374.4	374.7	374.9	375.1	375.2	375.5	375.7	375.2
117.5°	423.8	424.6	425.3	426.0	426.8	427.1	427.0	426.8	426.7	426.5	426.2
120°	458.1	458.9	459.7	460.5	461.2	461.6	461.6	461.6	461.6	461.6	461.4
122.5°	492.6	493.2	493.8	494.4	495.0	495.3	495.5	495.7	495.8	495.9	495.5
125°	544.2	544.3	544.5	544.7	544.8	545.2	545.5	546.0	546.3	546.7	546.5
127.5°	593.7	594.0	594.3	594.8	595.1	595.5	595.6	595.8	596.0	596.2	596.0
130°	626.6	627.0	627.4	627.8	628.2	628.4	628.6	628.8	629.0	629.2	628.8
132.5°	657.5	658.1	658.7	659.2	659.7	660.0	660.3	660.5	660.6	660.8	660.9
135°	705.7	706.5	707.2	708.0	708.8	709.1	709.1	709.1	709.1	709.1	708.9
137.5°	752.9	753.8	754.8	755.7	756.6	757.0	756.7	756.6	756.3	756.0	755.7
140°	783.1	784.0	785.0	785.9	786.9	787.2	786.8	786.4	786.0	785.7	785.1
142.5°	811.9	813.0	813.9	814.9	815.8	816.1	815.9	815.7	815.5	815.2	814.5
145°	855.3	855.8	856.4	857.0	857.6	857.9	857.9	857.9	857.9	857.9	857.3
147.5°	892.3	893.5	894.8	896.1	897.4	897.9	897.4	896.9	896.5	896.0	895.5
150°	919.7	920.2	920.5	920.9	921.3	921.4	921.4	921.4	921.4	921.4	920.7
152.5°	942.5	943.1	943.8	944.5	945.2	945.3	944.9	944.4	943.9	943.5	943.1
155°	974.7	975.7	976.6	977.7	978.6	978.7	977.9	977.1	976.4	975.6	975.4
157.5°	1001.8	1003.0	1004.3	1005.6	1006.8	1007.0	1006.3	1005.5	1004.8	1004.0	1003.8
160°	1020.3	1021.3	1022.3	1023.2	1024.2	1024.2	1023.5	1022.7	1021.9	1021.1	1021.0
162.5°	1036.1	1037.2	1038.4	1039.5	1040.6	1040.7	1039.7	1038.8	1037.9	1037.0	1037.0
165°	1057.3	1058.4	1059.5	1060.8	1061.9	1062.0	1061.3	1060.5	1059.8	1059.0	1058.8
167.5°	1074.1	1075.3	1076.5	1077.7	1078.8	1078.9	1077.7	1076.6	1075.5	1074.3	1074.3
170°	1083.1	1084.4	1085.7	1087.1	1088.4	1088.5	1087.4	1086.2	1085.1	1083.9	1083.9
172.5°	1090.6	1091.8	1093.0	1094.2	1095.4	1095.4	1094.2	1093.1	1091.9	1090.8	1090.8
175°	1097.7	1099.0	1100.4	1101.7	1103.0	1103.1	1102.0	1100.9	1099.7	1098.5	1098.5
177.5°	1101.8	1102.9	1104.0	1105.0	1106.1	1106.1	1105.3	1104.3	1103.5	1102.5	1102.7
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1680.1	1676.3	1669.3	1662.8	1654.8	1647.9	1643.0	1637.1	1629.6	1620.5	1612.9
5°	1754.4	1739.7	1720.2	1703.4	1682.0	1665.2	1647.7	1630.9	1614.1	1592.7	1573.9
7.5°	1836.9	1806.4	1776.7	1739.4	1705.6	1675.3	1646.3	1617.0	1588.2	1557.7	1528.4
10°	1887.3	1850.4	1809.5	1762.5	1719.5	1678.6	1641.0	1604.0	1565.1	1530.9	1494.0
12.5°	1934.6	1886.9	1840.0	1780.7	1729.1	1679.1	1631.3	1585.3	1543.7	1499.3	1459.7
15°	1977.2	1930.3	1877.9	1805.4	1733.6	1673.2	1616.8	1557.1	1505.4	1455.8	1411.4
17.5°	1993.7	1944.5	1883.7	1814.0	1735.5	1659.5	1586.9	1521.4	1460.6	1402.7	1352.9
20°	1987.3	1939.7	1877.2	1810.8	1726.9	1647.7	1569.2	1496.7	1428.9	1367.8	1314.8
22.5°	1971.8	1922.4	1862.2	1792.0	1712.4	1628.4	1544.5	1467.1	1396.1	1332.9	1275.1
25°	1948.4	1881.3	1819.6	1751.0	1675.2	1592.0	1505.4	1420.1	1344.4	1279.9	1216.9
27.5°	1924.1	1840.3	1761.8	1693.8	1613.6	1539.4	1455.9	1368.5	1288.7	1223.1	1158.4
30°	1902.0	1808.1	1721.5	1644.3	1568.5	1498.1	1418.8	1333.6	1251.7	1184.0	1118.2
32.5°	1874.7	1774.8	1679.6	1590.6	1517.5	1447.6	1375.9	1294.4	1214.7	1144.7	1077.9
35°	1840.3	1712.8	1609.5	1514.8	1433.6	1365.8	1301.4	1235.6	1155.7	1083.2	1018.1
37.5°	1795.2	1650.5	1530.9	1427.8	1342.2	1274.1	1223.2	1163.1	1090.2	1020.8	960.4
40°	1767.8	1605.4	1474.5	1372.5	1282.5	1210.7	1163.1	1112.2	1045.7	980.6	920.2
42.5°	1731.3	1564.1	1417.6	1311.3	1220.8	1151.7	1103.5	1058.9	1003.2	941.9	877.2
45°	1659.7	1483.9	1330.2	1216.2	1124.9	1057.0	1012.1	972.5	930.2	873.8	817.4
47.5°	1566.6	1400.3	1239.5	1114.9	1025.5	962.6	918.9	887.7	857.5	809.5	754.8
50°	1492.0	1331.6	1174.5	1053.7	958.4	898.7	857.7	832.9	805.4	761.7	716.1
52.5°	1403.9	1260.7	1106.9	983.3	893.5	837.5	798.1	773.4	750.6	715.1	671.6
55°	1265.2	1139.6	998.7	886.6	804.1	747.7	710.1	686.6	673.2	643.0	608.7
57.5°	1105.0	1015.0	890.8	782.7	709.7	654.0	626.5	606.5	591.3	570.0	545.8
60°	993.3	930.2	818.8	716.1	649.0	596.0	571.2	554.4	540.3	522.2	503.3
62.5°	880.0	834.1	737.2	649.0	587.3	542.9	519.6	504.5	488.2	476.0	457.7
65°	728.2	687.3	620.2	551.0	494.0	458.4	441.6	428.2	418.1	404.7	391.9
67.5°	566.5	549.8	503.5	455.8	414.9	383.2	368.8	359.4	347.2	339.2	330.5
70°	467.1	459.1	426.2	394.7	356.4	334.9	321.5	317.5	302.7	294.6	288.6
72.5°	379.1	375.3	356.4	334.5	307.5	288.7	276.4	271.8	262.4	256.0	252.1
75°	259.8	261.1	257.7	243.7	233.6	221.4	210.8	208.0	201.4	196.0	192.6
77.5°	164.3	171.2	171.4	170.7	166.7	159.4	154.9	152.9	146.3	144.3	143.5
80°	112.8	120.1	126.8	126.1	124.8	122.9	119.5	117.4	114.1	112.1	110.7
82.5°	75.2	82.1	87.6	91.3	91.0	89.0	86.7	85.8	85.1	83.6	83.3
85°	35.6	36.9	38.9	43.7	47.0	47.6	47.0	46.3	44.3	44.9	45.6
87.5°	14.6	14.3	14.6	14.3	13.4	15.8	17.1	17.4	16.6	15.8	15.1
90°	11.1	9.7	8.4	7.0	5.4	3.9	2.4	0.9	2.4	3.9	5.4
92.5°	29.7	28.1	26.4	25.1	24.0	22.9	21.9	20.8	21.9	22.9	24.0
95°	62.3	60.4	58.5	57.4	57.0	56.7	56.2	55.9	56.2	56.7	57.0
97.5°	100.1	97.5	94.9	93.4	93.3	93.2	93.0	92.8	93.0	93.2	93.3
100°	126.6	124.1	121.6	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
102.5°	156.5	155.2	153.9	153.0	152.2	151.4	150.7	149.9	150.7	151.4	152.2
105°	203.1	202.0	200.9	199.8	198.9	197.9	196.9	196.0	196.9	197.9	198.9
107.5°	253.4	252.4	251.6	250.7	249.8	248.7	247.8	246.8	247.8	248.7	249.8
110°	287.7	287.1	286.5	285.8	284.8	283.9	282.9	282.0	282.9	283.9	284.8



TEST NUMBER: P333629-935

CATALOG NUMBER: S125RDIP-S1270D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	321.8	321.1	320.3	319.7	319.2	318.7	318.2	317.7	318.2	318.7	319.2
115°	374.9	374.4	374.1	373.5	372.8	372.0	371.3	370.5	371.3	372.0	372.8
117.5°	425.9	425.5	425.2	424.8	424.5	424.1	423.8	423.4	423.8	424.1	424.5
120°	461.2	461.0	460.8	460.3	459.3	458.3	457.4	456.4	457.4	458.3	459.3
122.5°	495.0	494.5	494.0	493.6	493.3	492.9	492.6	492.2	492.6	492.9	493.3
125°	546.3	546.1	546.0	545.3	544.2	542.9	541.8	540.7	541.8	542.9	544.2
127.5°	595.7	595.6	595.3	594.9	594.2	593.6	592.9	592.3	592.9	593.6	594.2
130°	628.4	628.1	627.7	627.0	626.0	625.1	624.1	623.2	624.1	625.1	626.0
132.5°	661.0	661.1	661.2	660.4	658.8	657.3	655.7	654.1	655.7	657.3	658.8
135°	708.8	708.6	708.4	707.7	706.5	705.4	704.3	703.2	704.3	705.4	706.5
137.5°	755.3	754.8	754.4	753.6	752.5	751.4	750.3	749.2	750.3	751.4	752.5
140°	784.5	783.9	783.3	782.6	781.6	780.7	779.7	778.8	779.7	780.7	781.6
142.5°	813.8	813.0	812.4	811.6	810.7	809.9	809.2	808.3	809.2	809.9	810.7
145°	856.7	856.2	855.6	854.9	854.1	853.3	852.6	851.9	852.6	853.3	854.1
147.5°	895.1	894.7	894.2	893.7	893.4	892.9	892.5	892.1	892.5	892.9	893.4
150°	920.0	919.2	918.4	918.2	918.3	918.5	918.7	918.9	918.7	918.5	918.3
152.5°	942.9	942.5	942.3	941.9	941.7	941.4	941.2	940.9	941.2	941.4	941.7
155°	975.3	975.1	974.8	974.7	974.7	974.7	974.7	974.7	974.7	974.7	974.7
157.5°	1003.6	1003.4	1003.2	1003.3	1003.8	1004.2	1004.6	1005.0	1004.6	1004.2	1003.8
160°	1020.8	1020.6	1020.5	1020.6	1021.1	1021.7	1022.4	1022.9	1022.4	1021.7	1021.1
162.5°	1036.9	1036.9	1036.8	1037.1	1037.4	1037.8	1038.3	1038.7	1038.3	1037.8	1037.4
165°	1058.6	1058.4	1058.3	1058.3	1058.7	1059.1	1059.5	1059.9	1059.5	1059.1	1058.7
167.5°	1074.3	1074.3	1074.3	1074.7	1075.5	1076.2	1076.9	1077.7	1076.9	1076.2	1075.5
170°	1083.9	1083.9	1083.9	1084.3	1085.1	1085.8	1086.6	1087.4	1086.6	1085.8	1085.1
172.5°	1090.8	1090.8	1090.8	1091.2	1091.9	1092.7	1093.5	1094.2	1093.5	1092.7	1091.9
175°	1098.5	1098.5	1098.5	1098.9	1099.7	1100.4	1101.2	1102.0	1101.2	1100.4	1099.7
177.5°	1102.8	1102.9	1103.1	1103.5	1104.1	1104.7	1105.4	1106.0	1105.4	1104.7	1104.1
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



TEST NUMBER: P333629-935

CATALOG NUMBER: S125RDIP-S1270D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1607.6	1600.1	1594.7	1583.9	1576.4	1573.2	1567.3	1565.6	1571.6	1567.3	1566.8
5°	1559.8	1540.3	1524.9	1509.4	1492.6	1482.0	1465.9	1463.1	1459.1	1453.0	1451.7
7.5°	1502.4	1477.1	1457.2	1431.8	1409.5	1391.7	1371.6	1362.0	1356.8	1349.0	1338.6
10°	1463.8	1433.6	1406.8	1381.2	1353.8	1331.6	1311.5	1296.0	1285.9	1276.5	1272.6
12.5°	1425.6	1394.9	1360.6	1329.7	1299.0	1274.1	1251.8	1241.8	1230.6	1219.6	1210.2
15°	1366.5	1325.5	1288.0	1252.4	1226.2	1199.4	1177.8	1163.1	1146.3	1141.7	1123.5
17.5°	1303.6	1263.5	1219.5	1182.1	1151.7	1122.1	1098.5	1081.8	1069.2	1051.9	1043.5
20°	1264.5	1216.9	1173.9	1139.6	1106.0	1071.2	1047.0	1032.9	1020.8	1006.8	1000.1
22.5°	1222.6	1176.0	1132.0	1091.8	1057.7	1023.4	1006.2	991.6	977.8	964.8	956.0
25°	1161.1	1114.1	1067.8	1026.2	990.7	965.8	945.6	928.8	921.5	908.8	899.3
27.5°	1100.3	1050.3	1002.3	960.8	932.9	908.4	891.8	878.6	865.2	854.1	845.9
30°	1061.1	1010.1	957.8	924.9	895.4	871.8	853.7	840.9	830.9	820.8	814.8
32.5°	1021.9	969.3	922.8	887.3	859.4	839.0	820.4	808.2	797.6	786.4	779.4
35°	959.1	905.4	867.8	832.9	805.4	786.6	773.9	756.4	747.7	739.6	732.2
37.5°	900.7	850.8	810.1	779.5	755.6	736.9	720.4	711.0	700.3	693.0	686.9
40°	857.7	812.1	775.2	743.0	725.6	704.7	689.3	677.2	669.2	659.8	653.1
42.5°	819.1	776.7	740.8	711.9	690.1	672.5	657.6	645.5	635.3	628.6	622.9
45°	764.5	722.2	687.3	660.4	640.3	623.5	608.0	602.0	588.6	580.6	577.9
47.5°	707.9	670.1	636.4	611.7	591.0	575.1	560.7	548.4	541.0	533.0	528.7
50°	669.9	633.6	602.0	577.9	557.8	540.3	526.8	518.8	508.8	501.4	496.0
52.5°	631.7	598.1	566.6	543.5	526.1	508.6	493.6	485.5	476.0	471.3	467.5
55°	577.2	541.7	514.8	492.0	473.8	457.7	443.7	435.6	429.6	424.8	423.5
57.5°	515.5	487.2	462.3	441.8	422.9	407.8	395.5	387.8	382.5	381.8	377.7
60°	475.2	449.7	426.9	404.7	388.6	374.5	363.8	355.1	349.7	349.0	347.7
62.5°	434.9	410.4	389.3	369.8	355.3	341.7	331.6	321.8	318.6	315.2	312.2
65°	375.1	353.0	335.6	320.1	304.7	293.3	283.3	277.2	269.8	265.8	258.4
67.5°	316.5	299.4	282.6	269.6	257.4	246.6	238.2	229.3	224.3	221.1	215.7
70°	277.8	264.4	247.6	233.6	224.2	215.4	208.7	198.6	195.3	192.6	189.9
72.5°	241.3	229.5	215.4	204.1	194.7	186.4	178.7	173.9	170.7	167.9	166.3
75°	189.9	178.6	166.4	158.4	151.7	145.0	140.9	137.6	136.2	135.6	132.9
77.5°	139.5	133.5	123.7	117.4	112.9	110.2	106.6	104.9	104.7	101.8	100.8
80°	106.7	103.3	95.3	92.6	89.3	86.6	84.6	81.2	77.8	76.5	74.5
82.5°	79.3	75.9	72.8	68.4	65.6	64.1	62.0	60.8	61.2	59.3	58.4
85°	42.3	38.9	37.6	36.9	35.6	36.9	36.2	35.6	34.9	34.3	34.9
87.5°	14.8	15.1	14.8	16.2	14.8	15.7	15.8	15.5	15.7	15.8	15.5
90°	7.0	8.4	9.7	11.1	12.4	13.8	14.7	15.7	16.6	17.6	18.3
92.5°	25.1	26.4	28.1	29.7	31.3	33.0	34.3	35.6	36.8	38.1	38.9
95°	57.4	58.5	60.4	62.3	64.3	66.2	67.5	68.9	70.2	71.5	72.4
97.5°	93.4	94.9	97.5	100.1	102.7	105.4	106.7	107.9	109.2	110.5	111.2
100°	120.4	121.6	124.1	126.6	129.1	131.5	133.2	134.9	136.6	138.4	139.5
102.5°	153.0	153.9	155.2	156.5	157.7	159.0	160.9	162.7	164.6	166.5	167.7
105°	199.8	200.9	202.0	203.1	204.3	205.4	206.6	207.8	208.9	210.0	210.9
107.5°	250.7	251.6	252.4	253.4	254.3	255.1	255.7	256.2	256.8	257.4	257.7
110°	285.8	286.5	287.1	287.7	288.3	288.8	289.4	290.0	290.5	291.1	291.3



TEST NUMBER: P333629-935

CATALOG NUMBER: S125RDIP-S1270D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	319.7	320.3	321.1	321.8	322.4	323.2	323.5	323.7	324.0	324.3	324.3
115°	373.5	374.1	374.4	374.9	375.2	375.7	375.5	375.2	375.1	374.9	374.7
117.5°	424.8	425.2	425.5	425.9	426.2	426.5	426.7	426.8	427.0	427.1	426.8
120°	460.3	460.8	461.0	461.2	461.4	461.6	461.6	461.6	461.6	461.6	461.2
122.5°	493.6	494.0	494.5	495.0	495.5	495.9	495.8	495.7	495.5	495.3	495.0
125°	545.3	546.0	546.1	546.3	546.5	546.7	546.3	546.0	545.5	545.2	544.8
127.5°	594.9	595.3	595.6	595.7	596.0	596.2	596.0	595.8	595.6	595.5	595.1
130°	627.0	627.7	628.1	628.4	628.8	629.2	629.0	628.8	628.6	628.4	628.2
132.5°	660.4	661.2	661.1	661.0	660.9	660.8	660.6	660.5	660.3	660.0	659.7
135°	707.7	708.4	708.6	708.8	708.9	709.1	709.1	709.1	709.1	709.1	708.8
137.5°	753.6	754.4	754.8	755.3	755.7	756.0	756.3	756.6	756.7	757.0	756.6
140°	782.6	783.3	783.9	784.5	785.1	785.7	786.0	786.4	786.8	787.2	786.9
142.5°	811.6	812.4	813.0	813.8	814.5	815.2	815.5	815.7	815.9	816.1	815.8
145°	854.9	855.6	856.2	856.7	857.3	857.9	857.9	857.9	857.9	857.9	857.6
147.5°	893.7	894.2	894.7	895.1	895.5	896.0	896.5	896.9	897.4	897.9	897.4
150°	918.2	918.4	919.2	920.0	920.7	921.4	921.4	921.4	921.4	921.4	921.3
152.5°	941.9	942.3	942.5	942.9	943.1	943.5	943.9	944.4	944.9	945.3	945.2
155°	974.7	974.8	975.1	975.3	975.4	975.6	976.4	977.1	977.9	978.7	978.6
157.5°	1003.3	1003.2	1003.4	1003.6	1003.8	1004.0	1004.8	1005.5	1006.3	1007.0	1006.8
160°	1020.6	1020.5	1020.6	1020.8	1021.0	1021.1	1021.9	1022.7	1023.5	1024.2	1024.2
162.5°	1037.1	1036.8	1036.9	1036.9	1037.0	1037.0	1037.9	1038.8	1039.7	1040.7	1040.6
165°	1058.3	1058.3	1058.4	1058.6	1058.8	1059.0	1059.8	1060.5	1061.3	1062.0	1061.9
167.5°	1074.7	1074.3	1074.3	1074.3	1074.3	1074.3	1075.5	1076.6	1077.7	1078.9	1078.8
170°	1084.3	1083.9	1083.9	1083.9	1083.9	1083.9	1085.1	1086.2	1087.4	1088.5	1088.4
172.5°	1091.2	1090.8	1090.8	1090.8	1090.8	1090.8	1091.9	1093.1	1094.2	1095.4	1095.4
175°	1098.9	1098.5	1098.5	1098.5	1098.5	1098.5	1099.7	1100.9	1102.0	1103.1	1103.0
177.5°	1103.5	1103.1	1102.9	1102.8	1102.7	1102.5	1103.5	1104.3	1105.3	1106.1	1106.1
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



TEST NUMBER: P333629-935

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1566.2	1560.3	1558.7	1560.8	1558.7	1560.3	1566.2	1566.8	1567.3	1571.6	1565.6
5°	1445.0	1438.3	1441.7	1440.3	1441.7	1438.3	1445.0	1451.7	1453.0	1459.1	1463.1
7.5°	1338.4	1330.1	1321.2	1324.0	1321.2	1330.1	1338.4	1338.6	1349.0	1356.8	1362.0
10°	1263.8	1257.1	1253.0	1256.4	1253.0	1257.1	1263.8	1272.6	1276.5	1285.9	1296.0
12.5°	1201.0	1197.0	1193.4	1192.0	1193.4	1197.0	1201.0	1210.2	1219.6	1230.6	1241.8
15°	1115.4	1107.4	1104.1	1095.4	1104.1	1107.4	1115.4	1123.5	1141.7	1146.3	1163.1
17.5°	1036.6	1034.0	1025.3	1021.5	1025.3	1034.0	1036.6	1043.5	1051.9	1069.2	1081.8
20°	990.0	987.3	978.5	984.0	978.5	987.3	990.0	1000.1	1006.8	1020.8	1032.9
22.5°	951.3	945.4	942.5	941.0	942.5	945.4	951.3	956.0	964.8	977.8	991.6
25°	896.6	887.9	884.6	880.5	884.6	887.9	896.6	899.3	908.8	921.5	928.8
27.5°	842.1	837.5	833.0	832.0	833.0	837.5	842.1	845.9	854.1	865.2	878.6
30°	806.8	802.0	798.7	798.7	798.7	802.0	806.8	814.8	820.8	830.9	840.9
32.5°	775.1	771.5	768.1	767.6	768.1	771.5	775.1	779.4	786.4	797.6	808.2
35°	728.9	723.5	722.2	718.2	722.2	723.5	728.9	732.2	739.6	747.7	756.4
37.5°	681.0	676.5	676.4	676.0	676.4	676.5	681.0	686.9	693.0	700.3	711.0
40°	650.3	647.0	646.4	641.6	646.4	647.0	650.3	653.1	659.8	669.2	677.2
42.5°	617.6	615.9	613.5	611.6	613.5	615.9	617.6	622.9	628.6	635.3	645.5
45°	573.2	568.4	568.4	565.1	568.4	568.4	573.2	577.9	580.6	588.6	602.0
47.5°	527.3	523.7	524.0	520.6	524.0	523.7	527.3	528.7	533.0	541.0	548.4
50°	496.6	494.6	494.0	492.7	494.0	494.6	496.6	496.0	501.4	508.8	518.8
52.5°	466.1	465.1	467.7	464.7	467.7	465.1	466.1	467.5	471.3	476.0	485.5
55°	424.8	422.8	426.9	422.8	426.9	422.8	424.8	423.5	424.8	429.6	435.6
57.5°	377.5	375.6	379.2	377.2	379.2	375.6	377.5	377.7	381.8	382.5	387.8
60°	346.3	342.3	344.3	345.0	344.3	342.3	346.3	347.7	349.0	349.7	355.1
62.5°	309.3	306.9	308.3	305.2	308.3	306.9	309.3	312.2	315.2	318.6	321.8
65°	257.1	255.0	252.4	251.0	252.4	255.0	257.1	258.4	265.8	269.8	277.2
67.5°	215.9	211.1	211.0	212.1	211.0	211.1	215.9	215.7	221.1	224.3	229.3
70°	185.9	185.9	185.2	185.2	185.2	185.9	185.9	189.9	192.6	195.3	198.6
72.5°	165.0	164.5	163.2	162.7	163.2	164.5	165.0	166.3	167.9	170.7	173.9
75°	132.9	133.5	132.2	131.6	132.2	133.5	132.9	132.9	135.6	136.2	137.6
77.5°	98.2	95.3	96.8	95.3	96.8	95.3	98.2	100.8	101.8	104.7	104.9
80°	74.5	73.8	75.9	73.8	75.9	73.8	74.5	74.5	76.5	77.8	81.2
82.5°	58.9	58.3	59.2	57.7	59.2	58.3	58.9	58.4	59.3	61.2	60.8
85°	35.6	34.9	34.3	34.9	34.3	34.9	35.6	34.9	34.3	34.9	35.6
87.5°	16.1	15.7	15.8	15.9	15.8	15.7	16.1	15.5	15.8	15.7	15.5
90°	18.9	19.5	20.1	20.7	20.1	19.5	18.9	18.3	17.6	16.6	15.7
92.5°	39.3	39.7	40.1	40.6	40.1	39.7	39.3	38.9	38.1	36.8	35.6
95°	72.8	73.2	73.5	74.0	73.5	73.2	72.8	72.4	71.5	70.2	68.9
97.5°	111.4	111.7	111.8	112.1	111.8	111.7	111.4	111.2	110.5	109.2	107.9
100°	139.8	140.2	140.6	140.9	140.6	140.2	139.8	139.5	138.4	136.6	134.9
102.5°	168.2	168.8	169.4	169.9	169.4	168.8	168.2	167.7	166.5	164.6	162.7
105°	211.5	212.1	212.6	213.2	212.6	212.1	211.5	210.9	210.0	208.9	207.8
107.5°	257.6	257.6	257.6	257.5	257.6	257.6	257.6	257.7	257.4	256.8	256.2
110°	291.1	290.9	290.8	290.5	290.8	290.9	291.1	291.3	291.1	290.5	290.0



TEST NUMBER: P333629-935

CATALOG NUMBER: S125RDIP-S1270D1035U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	323.9	323.6	323.2	322.9	323.2	323.6	323.9	324.3	324.3	324.0	323.7
115°	374.4	374.3	374.1	373.9	374.1	374.3	374.4	374.7	374.9	375.1	375.2
117.5°	426.0	425.3	424.6	423.8	424.6	425.3	426.0	426.8	427.1	427.0	426.8
120°	460.5	459.7	458.9	458.1	458.9	459.7	460.5	461.2	461.6	461.6	461.6
122.5°	494.4	493.8	493.2	492.6	493.2	493.8	494.4	495.0	495.3	495.5	495.7
125°	544.7	544.5	544.3	544.2	544.3	544.5	544.7	544.8	545.2	545.5	546.0
127.5°	594.8	594.3	594.0	593.7	594.0	594.3	594.8	595.1	595.5	595.6	595.8
130°	627.8	627.4	627.0	626.6	627.0	627.4	627.8	628.2	628.4	628.6	628.8
132.5°	659.2	658.7	658.1	657.5	658.1	658.7	659.2	659.7	660.0	660.3	660.5
135°	708.0	707.2	706.5	705.7	706.5	707.2	708.0	708.8	709.1	709.1	709.1
137.5°	755.7	754.8	753.8	752.9	753.8	754.8	755.7	756.6	757.0	756.7	756.6
140°	785.9	785.0	784.0	783.1	784.0	785.0	785.9	786.9	787.2	786.8	786.4
142.5°	814.9	813.9	813.0	811.9	813.0	813.9	814.9	815.8	816.1	815.9	815.7
145°	857.0	856.4	855.8	855.3	855.8	856.4	857.0	857.6	857.9	857.9	857.9
147.5°	896.1	894.8	893.5	892.3	893.5	894.8	896.1	897.4	897.9	897.4	896.9
150°	920.9	920.5	920.2	919.7	920.2	920.5	920.9	921.3	921.4	921.4	921.4
152.5°	944.5	943.8	943.1	942.5	943.1	943.8	944.5	945.2	945.3	944.9	944.4
155°	977.7	976.6	975.7	974.7	975.7	976.6	977.7	978.6	978.7	977.9	977.1
157.5°	1005.6	1004.3	1003.0	1001.8	1003.0	1004.3	1005.6	1006.8	1007.0	1006.3	1005.5
160°	1023.2	1022.3	1021.3	1020.3	1021.3	1022.3	1023.2	1024.2	1024.2	1023.5	1022.7
162.5°	1039.5	1038.4	1037.2	1036.1	1037.2	1038.4	1039.5	1040.6	1040.7	1039.7	1038.8
165°	1060.8	1059.5	1058.4	1057.3	1058.4	1059.5	1060.8	1061.9	1062.0	1061.3	1060.5
167.5°	1077.7	1076.5	1075.3	1074.1	1075.3	1076.5	1077.7	1078.8	1078.9	1077.7	1076.6
170°	1087.1	1085.7	1084.4	1083.1	1084.4	1085.7	1087.1	1088.4	1088.5	1087.4	1086.2
172.5°	1094.2	1093.0	1091.8	1090.6	1091.8	1093.0	1094.2	1095.4	1095.4	1094.2	1093.1
175°	1101.7	1100.4	1099.0	1097.7	1099.0	1100.4	1101.7	1103.0	1103.1	1102.0	1100.9
177.5°	1105.0	1104.0	1102.9	1101.8	1102.9	1104.0	1105.0	1106.1	1106.1	1105.3	1104.3
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



TEST NUMBER: P333629-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1567.3	1573.2	1576.4	1583.9	1594.7	1600.1	1607.6	1612.9	1620.5	1629.6	1637.1
5°	1465.9	1482.0	1492.6	1509.4	1524.9	1540.3	1559.8	1573.9	1592.7	1614.1	1630.9
7.5°	1371.6	1391.7	1409.5	1431.8	1457.2	1477.1	1502.4	1528.4	1557.7	1588.2	1617.0
10°	1311.5	1331.6	1353.8	1381.2	1406.8	1433.6	1463.8	1494.0	1530.9	1565.1	1604.0
12.5°	1251.8	1274.1	1299.0	1329.7	1360.6	1394.9	1425.6	1459.7	1499.3	1543.7	1585.3
15°	1177.8	1199.4	1226.2	1252.4	1288.0	1325.5	1366.5	1411.4	1455.8	1505.4	1557.1
17.5°	1098.5	1122.1	1151.7	1182.1	1219.5	1263.5	1303.6	1352.9	1402.7	1460.6	1521.4
20°	1047.0	1071.2	1106.0	1139.6	1173.9	1216.9	1264.5	1314.8	1367.8	1428.9	1496.7
22.5°	1006.2	1023.4	1057.7	1091.8	1132.0	1176.0	1222.6	1275.1	1332.9	1396.1	1467.1
25°	945.6	965.8	990.7	1026.2	1067.8	1114.1	1161.1	1216.9	1279.9	1344.4	1420.1
27.5°	891.8	908.4	932.9	960.8	1002.3	1050.3	1100.3	1158.4	1223.1	1288.7	1368.5
30°	853.7	871.8	895.4	924.9	957.8	1010.1	1061.1	1118.2	1184.0	1251.7	1333.6
32.5°	820.4	839.0	859.4	887.3	922.8	969.3	1021.9	1077.9	1144.7	1214.7	1294.4
35°	773.9	786.6	805.4	832.9	867.8	905.4	959.1	1018.1	1083.2	1155.7	1235.6
37.5°	720.4	736.9	755.6	779.5	810.1	850.8	900.7	960.4	1020.8	1090.2	1163.1
40°	689.3	704.7	725.6	743.0	775.2	812.1	857.7	920.2	980.6	1045.7	1112.2
42.5°	657.6	672.5	690.1	711.9	740.8	776.7	819.1	877.2	941.9	1003.2	1058.9
45°	608.0	623.5	640.3	660.4	687.3	722.2	764.5	817.4	873.8	930.2	972.5
47.5°	560.7	575.1	591.0	611.7	636.4	670.1	707.9	754.8	809.5	857.5	887.7
50°	526.8	540.3	557.8	577.9	602.0	633.6	669.9	716.1	761.7	805.4	832.9
52.5°	493.6	508.6	526.1	543.5	566.6	598.1	631.7	671.6	715.1	750.6	773.4
55°	443.7	457.7	473.8	492.0	514.8	541.7	577.2	608.7	643.0	673.2	686.6
57.5°	395.5	407.8	422.9	441.8	462.3	487.2	515.5	545.8	570.0	591.3	606.5
60°	363.8	374.5	388.6	404.7	426.9	449.7	475.2	503.3	522.2	540.3	554.4
62.5°	331.6	341.7	355.3	369.8	389.3	410.4	434.9	457.7	476.0	488.2	504.5
65°	283.3	293.3	304.7	320.1	335.6	353.0	375.1	391.9	404.7	418.1	428.2
67.5°	238.2	246.6	257.4	269.6	282.6	299.4	316.5	330.5	339.2	347.2	359.4
70°	208.7	215.4	224.2	233.6	247.6	264.4	277.8	288.6	294.6	302.7	317.5
72.5°	178.7	186.4	194.7	204.1	215.4	229.5	241.3	252.1	256.0	262.4	271.8
75°	140.9	145.0	151.7	158.4	166.4	178.6	189.9	192.6	196.0	201.4	208.0
77.5°	106.6	110.2	112.9	117.4	123.7	133.5	139.5	143.5	144.3	146.3	152.9
80°	84.6	86.6	89.3	92.6	95.3	103.3	106.7	110.7	112.1	114.1	117.4
82.5°	62.0	64.1	65.6	68.4	72.8	75.9	79.3	83.3	83.6	85.1	85.8
85°	36.2	36.9	35.6	36.9	37.6	38.9	42.3	45.6	44.9	44.3	46.3
87.5°	15.8	15.7	14.8	16.2	14.8	15.1	14.8	15.1	15.8	16.6	17.4
90°	14.7	13.8	12.4	11.1	9.7	8.4	7.0	5.4	3.9	2.4	0.9
92.5°	34.3	33.0	31.3	29.7	28.1	26.4	25.1	24.0	22.9	21.9	20.8
95°	67.5	66.2	64.3	62.3	60.4	58.5	57.4	57.0	56.7	56.2	55.9
97.5°	106.7	105.4	102.7	100.1	97.5	94.9	93.4	93.3	93.2	93.0	92.8
100°	133.2	131.5	129.1	126.6	124.1	121.6	120.4	120.4	120.4	120.4	120.4
102.5°	160.9	159.0	157.7	156.5	155.2	153.9	153.0	152.2	151.4	150.7	149.9
105°	206.6	205.4	204.3	203.1	202.0	200.9	199.8	198.9	197.9	196.9	196.0
107.5°	255.7	255.1	254.3	253.4	252.4	251.6	250.7	249.8	248.7	247.8	246.8
110°	289.4	288.8	288.3	287.7	287.1	286.5	285.8	284.8	283.9	282.9	282.0



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	323.5	323.2	322.4	321.8	321.1	320.3	319.7	319.2	318.7	318.2	317.7
115°	375.5	375.7	375.2	374.9	374.4	374.1	373.5	372.8	372.0	371.3	370.5
117.5°	426.7	426.5	426.2	425.9	425.5	425.2	424.8	424.5	424.1	423.8	423.4
120°	461.6	461.6	461.4	461.2	461.0	460.8	460.3	459.3	458.3	457.4	456.4
122.5°	495.8	495.9	495.5	495.0	494.5	494.0	493.6	493.3	492.9	492.6	492.2
125°	546.3	546.7	546.5	546.3	546.1	546.0	545.3	544.2	542.9	541.8	540.7
127.5°	596.0	596.2	596.0	595.7	595.6	595.3	594.9	594.2	593.6	592.9	592.3
130°	629.0	629.2	628.8	628.4	628.1	627.7	627.0	626.0	625.1	624.1	623.2
132.5°	660.6	660.8	660.9	661.0	661.1	661.2	660.4	658.8	657.3	655.7	654.1
135°	709.1	709.1	708.9	708.8	708.6	708.4	707.7	706.5	705.4	704.3	703.2
137.5°	756.3	756.0	755.7	755.3	754.8	754.4	753.6	752.5	751.4	750.3	749.2
140°	786.0	785.7	785.1	784.5	783.9	783.3	782.6	781.6	780.7	779.7	778.8
142.5°	815.5	815.2	814.5	813.8	813.0	812.4	811.6	810.7	809.9	809.2	808.3
145°	857.9	857.9	857.3	856.7	856.2	855.6	854.9	854.1	853.3	852.6	851.9
147.5°	896.5	896.0	895.5	895.1	894.7	894.2	893.7	893.4	892.9	892.5	892.1
150°	921.4	921.4	920.7	920.0	919.2	918.4	918.2	918.3	918.5	918.7	918.9
152.5°	943.9	943.5	943.1	942.9	942.5	942.3	941.9	941.7	941.4	941.2	940.9
155°	976.4	975.6	975.4	975.3	975.1	974.8	974.7	974.7	974.7	974.7	974.7
157.5°	1004.8	1004.0	1003.8	1003.6	1003.4	1003.2	1003.3	1003.8	1004.2	1004.6	1005.0
160°	1021.9	1021.1	1021.0	1020.8	1020.6	1020.5	1020.6	1021.1	1021.7	1022.4	1022.9
162.5°	1037.9	1037.0	1037.0	1036.9	1036.9	1036.8	1037.1	1037.4	1037.8	1038.3	1038.7
165°	1059.8	1059.0	1058.8	1058.6	1058.4	1058.3	1058.3	1058.7	1059.1	1059.5	1059.9
167.5°	1075.5	1074.3	1074.3	1074.3	1074.3	1074.3	1074.7	1075.5	1076.2	1076.9	1077.7
170°	1085.1	1083.9	1083.9	1083.9	1083.9	1083.9	1084.3	1085.1	1085.8	1086.6	1087.4
172.5°	1091.9	1090.8	1090.8	1090.8	1090.8	1090.8	1091.2	1091.9	1092.7	1093.5	1094.2
175°	1099.7	1098.5	1098.5	1098.5	1098.5	1098.5	1098.9	1099.7	1100.4	1101.2	1102.0
177.5°	1103.5	1102.5	1102.7	1102.8	1102.9	1103.1	1103.5	1104.1	1104.7	1105.4	1106.0
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1643.0	1647.9	1654.8	1662.8	1669.3	1676.3	1680.1	1680.1	1683.3	1690.2	1699.4
5°	1647.7	1665.2	1682.0	1703.4	1720.2	1739.7	1754.4	1768.5	1781.2	1797.3	1814.1
7.5°	1646.3	1675.3	1705.6	1739.4	1776.7	1806.4	1836.9	1860.7	1884.4	1915.2	1939.5
10°	1641.0	1678.6	1719.5	1762.5	1809.5	1850.4	1887.3	1920.9	1953.1	1986.7	2016.8
12.5°	1631.3	1679.1	1729.1	1780.7	1840.0	1886.9	1934.6	1970.2	2007.9	2044.6	2081.8
15°	1616.8	1673.2	1733.6	1805.4	1877.9	1930.3	1977.2	2023.5	2058.5	2100.1	2135.6
17.5°	1586.9	1659.5	1735.5	1814.0	1883.7	1944.5	1993.7	2037.8	2074.9	2120.7	2169.0
20°	1569.2	1647.7	1726.9	1810.8	1877.2	1939.7	1987.3	2032.9	2079.2	2139.0	2198.0
22.5°	1544.5	1628.4	1712.4	1792.0	1862.2	1922.4	1971.8	2027.6	2088.4	2156.2	2227.6
25°	1505.4	1592.0	1675.2	1751.0	1819.6	1881.3	1948.4	2023.5	2097.4	2186.7	2289.3
27.5°	1455.9	1539.4	1613.6	1693.8	1761.8	1840.3	1924.1	2005.5	2112.0	2234.8	2363.0
30°	1418.8	1498.1	1568.5	1644.3	1721.5	1808.1	1902.0	1998.0	2124.9	2269.2	2421.6
32.5°	1375.9	1447.6	1517.5	1590.6	1679.6	1774.8	1874.7	1992.1	2143.7	2307.8	2465.6
35°	1301.4	1365.8	1433.6	1514.8	1609.5	1712.8	1840.3	1983.3	2166.5	2343.0	2484.7
37.5°	1223.2	1274.1	1342.2	1427.8	1530.9	1650.5	1795.2	1968.9	2157.1	2315.5	2375.8
40°	1163.1	1210.7	1282.5	1372.5	1474.5	1605.4	1767.8	1946.4	2135.6	2245.7	2241.0
42.5°	1103.5	1151.7	1220.8	1311.3	1417.6	1564.1	1731.3	1916.8	2076.6	2118.5	2031.1
45°	1012.1	1057.0	1124.9	1216.2	1330.2	1483.9	1659.7	1837.6	1939.7	1871.9	1698.7
47.5°	918.9	962.6	1025.5	1114.9	1239.5	1400.3	1566.6	1712.5	1726.9	1581.2	1373.6
50°	857.7	898.7	958.4	1053.7	1174.5	1331.6	1492.0	1606.8	1571.2	1393.4	1179.2
52.5°	798.1	837.5	893.5	983.3	1106.9	1260.7	1403.9	1494.0	1411.7	1222.6	1029.9
55°	710.1	747.7	804.1	886.6	998.7	1139.6	1265.2	1298.0	1177.2	986.6	830.9
57.5°	626.5	654.0	709.7	782.7	890.8	1015.0	1105.0	1099.1	965.8	794.1	682.4
60°	571.2	596.0	649.0	716.1	818.8	930.2	993.3	966.5	831.6	689.9	582.6
62.5°	519.6	542.9	587.3	649.0	737.2	834.1	880.0	843.0	715.6	591.2	505.8
65°	441.6	458.4	494.0	551.0	620.2	687.3	728.2	673.8	561.1	467.1	402.7
67.5°	368.8	383.2	414.9	455.8	503.5	549.8	566.5	515.5	427.8	364.5	319.1
70°	321.5	334.9	356.4	394.7	426.2	459.1	467.1	421.5	348.4	300.0	271.8
72.5°	276.4	288.7	307.5	334.5	356.4	375.3	379.1	336.7	280.7	247.4	225.7
75°	210.8	221.4	233.6	243.7	257.7	261.1	259.8	226.9	196.7	174.5	162.4
77.5°	154.9	159.4	166.7	170.7	171.4	171.2	164.3	143.5	127.9	118.8	113.8
80°	119.5	122.9	124.8	126.1	126.8	120.1	112.8	100.0	94.6	89.3	83.3
82.5°	86.7	89.0	91.0	91.3	87.6	82.1	75.2	68.9	65.1	62.4	60.1
85°	47.0	47.6	47.0	43.7	38.9	36.9	35.6	34.3	33.6	32.9	32.9
87.5°	17.1	15.8	13.4	14.3	14.6	14.3	14.6	14.3	14.0	14.2	14.4
90°	2.4	3.9	5.4	7.0	8.4	9.7	11.1	12.4	13.8	14.7	15.7
92.5°	21.9	22.9	24.0	25.1	26.4	28.1	29.7	31.3	33.0	34.3	35.6
95°	56.2	56.7	57.0	57.4	58.5	60.4	62.3	64.3	66.2	67.5	68.9
97.5°	93.0	93.2	93.3	93.4	94.9	97.5	100.1	102.7	105.4	106.7	107.9
100°	120.4	120.4	120.4	120.4	121.6	124.1	126.6	129.1	131.5	133.2	134.9
102.5°	150.7	151.4	152.2	153.0	153.9	155.2	156.5	157.7	159.0	160.9	162.7
105°	196.9	197.9	198.9	199.8	200.9	202.0	203.1	204.3	205.4	206.6	207.8
107.5°	247.8	248.7	249.8	250.7	251.6	252.4	253.4	254.3	255.1	255.7	256.2
110°	282.9	283.9	284.8	285.8	286.5	287.1	287.7	288.3	288.8	289.4	290.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	318.2	318.7	319.2	319.7	320.3	321.1	321.8	322.4	323.2	323.5	323.7
115°	371.3	372.0	372.8	373.5	374.1	374.4	374.9	375.2	375.7	375.5	375.2
117.5°	423.8	424.1	424.5	424.8	425.2	425.5	425.9	426.2	426.5	426.7	426.8
120°	457.4	458.3	459.3	460.3	460.8	461.0	461.2	461.4	461.6	461.6	461.6
122.5°	492.6	492.9	493.3	493.6	494.0	494.5	495.0	495.5	495.9	495.8	495.7
125°	541.8	542.9	544.2	545.3	546.0	546.1	546.3	546.5	546.7	546.3	546.0
127.5°	592.9	593.6	594.2	594.9	595.3	595.6	595.7	596.0	596.2	596.0	595.8
130°	624.1	625.1	626.0	627.0	627.7	628.1	628.4	628.8	629.2	629.0	628.8
132.5°	655.7	657.3	658.8	660.4	661.2	661.1	661.0	660.9	660.8	660.6	660.5
135°	704.3	705.4	706.5	707.7	708.4	708.6	708.8	708.9	709.1	709.1	709.1
137.5°	750.3	751.4	752.5	753.6	754.4	754.8	755.3	755.7	756.0	756.3	756.6
140°	779.7	780.7	781.6	782.6	783.3	783.9	784.5	785.1	785.7	786.0	786.4
142.5°	809.2	809.9	810.7	811.6	812.4	813.0	813.8	814.5	815.2	815.5	815.7
145°	852.6	853.3	854.1	854.9	855.6	856.2	856.7	857.3	857.9	857.9	857.9
147.5°	892.5	892.9	893.4	893.7	894.2	894.7	895.1	895.5	896.0	896.5	896.9
150°	918.7	918.5	918.3	918.2	918.4	919.2	920.0	920.7	921.4	921.4	921.4
152.5°	941.2	941.4	941.7	941.9	942.3	942.5	942.9	943.1	943.5	943.9	944.4
155°	974.7	974.7	974.7	974.7	974.8	975.1	975.3	975.4	975.6	976.4	977.1
157.5°	1004.6	1004.2	1003.8	1003.3	1003.2	1003.4	1003.6	1003.8	1004.0	1004.8	1005.5
160°	1022.4	1021.7	1021.1	1020.6	1020.5	1020.6	1020.8	1021.0	1021.1	1021.9	1022.7
162.5°	1038.3	1037.8	1037.4	1037.1	1036.8	1036.9	1036.9	1037.0	1037.0	1037.9	1038.8
165°	1059.5	1059.1	1058.7	1058.3	1058.3	1058.4	1058.6	1058.8	1059.0	1059.8	1060.5
167.5°	1076.9	1076.2	1075.5	1074.7	1074.3	1074.3	1074.3	1074.3	1074.3	1075.5	1076.6
170°	1086.6	1085.8	1085.1	1084.3	1083.9	1083.9	1083.9	1083.9	1083.9	1085.1	1086.2
172.5°	1093.5	1092.7	1091.9	1091.2	1090.8	1090.8	1090.8	1090.8	1090.8	1091.9	1093.1
175°	1101.2	1100.4	1099.7	1098.9	1098.5	1098.5	1098.5	1098.5	1098.5	1099.7	1100.9
177.5°	1105.4	1104.7	1104.1	1103.5	1103.1	1102.9	1102.8	1102.7	1102.5	1103.5	1104.3
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1706.3	1706.3	1715.5	1714.9	1720.9	1718.7	1719.8
5°	1834.3	1845.7	1855.8	1862.4	1872.5	1875.3	1873.9
7.5°	1966.9	1992.3	2004.6	2021.5	2024.6	2033.5	2032.6
10°	2049.1	2073.9	2092.7	2107.5	2114.8	2124.3	2124.9
12.5°	2113.5	2134.6	2151.2	2164.9	2173.9	2176.9	2178.6
15°	2163.8	2187.3	2206.7	2226.2	2237.7	2246.3	2251.1
17.5°	2214.6	2250.8	2285.2	2311.6	2327.5	2340.9	2340.7
20°	2253.8	2295.3	2338.3	2368.5	2399.4	2412.8	2414.8
22.5°	2295.6	2359.2	2414.6	2461.4	2502.0	2515.9	2521.2
25°	2382.6	2465.8	2551.1	2616.8	2663.8	2691.3	2695.4
27.5°	2487.7	2600.3	2690.0	2750.7	2789.7	2810.1	2814.6
30°	2561.8	2665.8	2746.4	2792.1	2810.1	2812.8	2802.7
32.5°	2595.1	2672.8	2705.0	2702.3	2666.8	2643.2	2634.1
35°	2554.4	2538.3	2459.8	2365.9	2294.0	2248.4	2236.3
37.5°	2324.6	2185.7	2041.3	1899.3	1823.7	1785.3	1719.2
40°	2098.1	1900.1	1749.7	1630.2	1545.0	1476.5	1460.4
42.5°	1842.5	1638.1	1487.7	1385.4	1317.3	1270.4	1250.0
45°	1480.6	1304.8	1180.6	1102.1	1049.7	1015.5	1000.1
47.5°	1184.2	1048.1	957.6	899.5	859.6	829.8	821.5
50°	1021.5	912.7	836.3	787.3	757.1	734.3	724.9
52.5°	887.3	799.5	740.7	700.3	671.7	657.5	649.7
55°	732.2	656.4	614.2	581.9	565.8	554.4	549.0
57.5°	598.8	544.1	513.2	490.9	476.0	468.7	466.1
60°	524.2	481.2	453.1	435.6	425.5	416.1	413.5
62.5°	458.1	424.3	402.6	387.3	377.2	373.2	371.5
65°	369.1	347.0	330.9	321.5	313.4	312.1	311.4
67.5°	293.4	280.4	272.0	262.2	259.3	254.6	253.7
70°	251.0	242.3	232.2	228.9	225.5	220.8	221.4
72.5°	212.9	204.1	197.3	192.9	191.7	189.7	191.4
75°	155.7	153.0	150.3	147.0	145.7	145.7	145.0
77.5°	111.2	108.8	105.9	103.9	103.5	100.7	101.8
80°	80.5	77.1	75.9	76.5	74.5	73.8	73.8
82.5°	59.6	58.4	57.1	57.2	56.7	56.1	56.7
85°	32.9	32.2	32.2	31.5	31.5	30.9	30.9
87.5°	15.2	15.8	15.0	14.6	14.6	15.3	15.9
90°	16.6	17.6	18.3	18.9	19.5	20.1	20.7
92.5°	36.8	38.1	38.9	39.3	39.7	40.1	40.6
95°	70.2	71.5	72.4	72.8	73.2	73.5	74.0
97.5°	109.2	110.5	111.2	111.4	111.7	111.8	112.1
100°	136.6	138.4	139.5	139.8	140.2	140.6	140.9
102.5°	164.6	166.5	167.7	168.2	168.8	169.4	169.9
105°	208.9	210.0	210.9	211.5	212.1	212.6	213.2
107.5°	256.8	257.4	257.7	257.6	257.6	257.6	257.5
110°	290.5	291.1	291.3	291.1	290.9	290.8	290.5



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	324.0	324.3	324.3	323.9	323.6	323.2	322.9
115°	375.1	374.9	374.7	374.4	374.3	374.1	373.9
117.5°	427.0	427.1	426.8	426.0	425.3	424.6	423.8
120°	461.6	461.6	461.2	460.5	459.7	458.9	458.1
122.5°	495.5	495.3	495.0	494.4	493.8	493.2	492.6
125°	545.5	545.2	544.8	544.7	544.5	544.3	544.2
127.5°	595.6	595.5	595.1	594.8	594.3	594.0	593.7
130°	628.6	628.4	628.2	627.8	627.4	627.0	626.6
132.5°	660.3	660.0	659.7	659.2	658.7	658.1	657.5
135°	709.1	709.1	708.8	708.0	707.2	706.5	705.7
137.5°	756.7	757.0	756.6	755.7	754.8	753.8	752.9
140°	786.8	787.2	786.9	785.9	785.0	784.0	783.1
142.5°	815.9	816.1	815.8	814.9	813.9	813.0	811.9
145°	857.9	857.9	857.6	857.0	856.4	855.8	855.3
147.5°	897.4	897.9	897.4	896.1	894.8	893.5	892.3
150°	921.4	921.4	921.3	920.9	920.5	920.2	919.7
152.5°	944.9	945.3	945.2	944.5	943.8	943.1	942.5
155°	977.9	978.7	978.6	977.7	976.6	975.7	974.7
157.5°	1006.3	1007.0	1006.8	1005.6	1004.3	1003.0	1001.8
160°	1023.5	1024.2	1024.2	1023.2	1022.3	1021.3	1020.3
162.5°	1039.7	1040.7	1040.6	1039.5	1038.4	1037.2	1036.1
165°	1061.3	1062.0	1061.9	1060.8	1059.5	1058.4	1057.3
167.5°	1077.7	1078.9	1078.8	1077.7	1076.5	1075.3	1074.1
170°	1087.4	1088.5	1088.4	1087.1	1085.7	1084.4	1083.1
172.5°	1094.2	1095.4	1095.4	1094.2	1093.0	1091.8	1090.6
175°	1102.0	1103.1	1103.0	1101.7	1100.4	1099.0	1097.7
177.5°	1105.3	1106.1	1106.1	1105.0	1104.0	1102.9	1101.8
180°	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6	1104.6

(END OF REPORT)