

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: P331394-840

Luminaire Tested: **S122DIP-S865D725U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331394-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122DIP-S865D725U840-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 725 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6465.9 lumens  
Efficiency: N/A  
Efficacy: 118.9 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

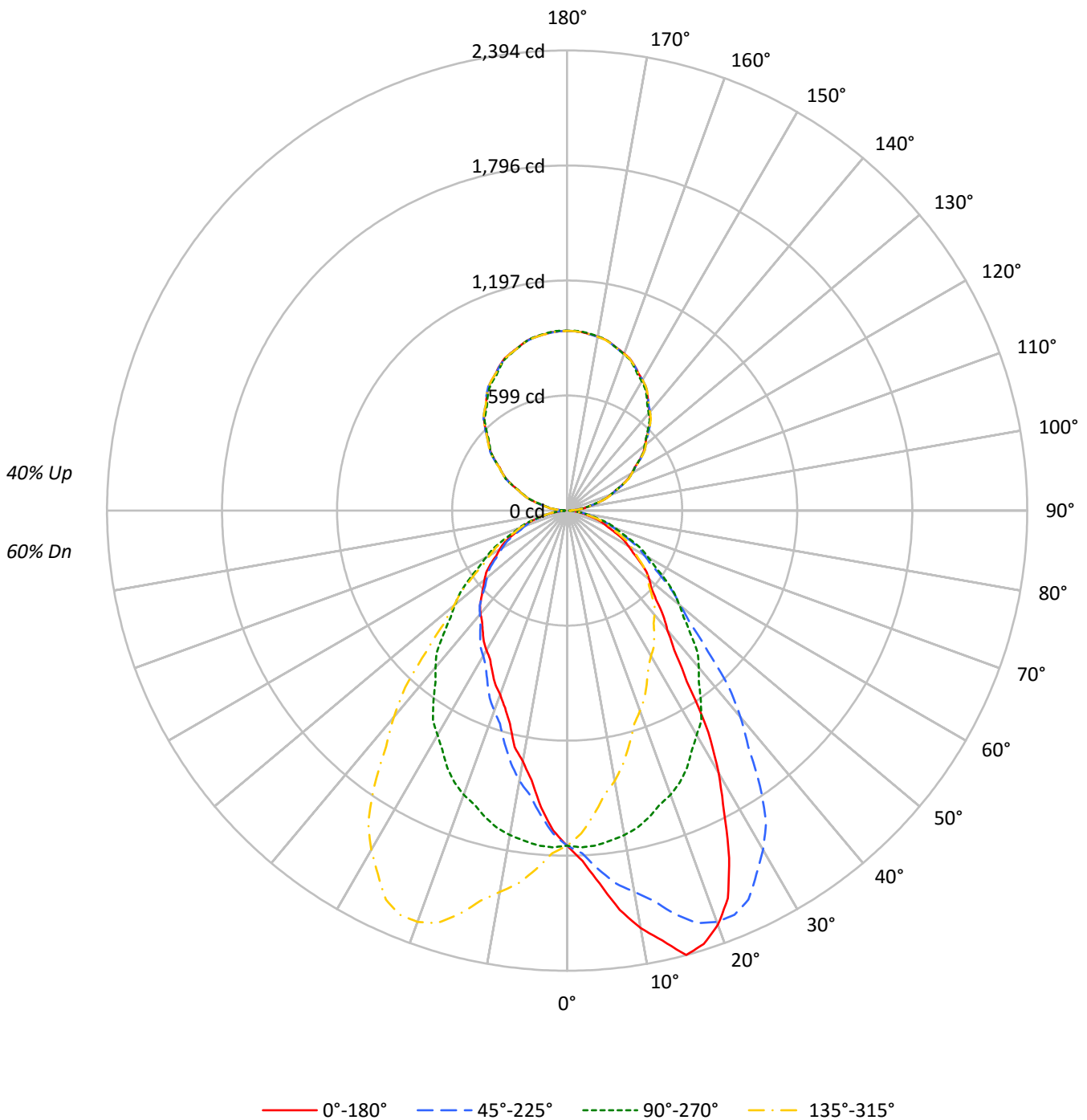
Input Watts (W): 54.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20										
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	50	30	10	0														
RCR																																						
0	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60																				
1	100	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51																				
2	92	85	79	74	86	79	74	70	70	66	62	60	57	55	52	50	48	44																				
3	84	75	68	62	79	70	64	59	62	57	53	54	50	47	47	44	41	38																				
4	77	67	59	53	72	63	56	51	55	50	46	48	44	41	42	39	36	33																				
5	71	60	52	46	67	56	49	44	50	44	40	44	39	36	38	35	32	29																				
6	66	54	46	40	62	51	44	39	45	39	35	40	35	32	35	31	28	26																				
7	61	49	41	36	57	46	39	34	41	35	31	36	32	28	32	28	26	23																				
8	57	45	37	32	53	42	35	31	38	32	28	34	29	26	30	26	23	21																				
9	53	41	34	29	50	39	32	27	35	29	25	31	26	23	27	24	21	19																				
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	25	22	19	17																				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	28150	28150	28150	28150
5°	31561	28336	25109	28336
10°	36166	28103	21730	28103
15°	40010	27587	19198	27587
20°	39400	27034	17500	27034
25°	35527	26298	16425	26298
30°	29358	25124	15642	25124
35°	21396	23893	15084	23893
40°	17089	22443	14773	22443
45°	14933	20763	14351	20763
50°	14039	19138	14071	19138
55°	12940	17486	13695	17486
60°	11858	15733	13114	15733
65°	10804	14155	12542	14155
70°	9805	12623	11703	12623
75°	8696	10911	10368	10911
80°	7476	9028	8350	9028
85°	6706	6706	4965	6706



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.1	2.6
10°-20°	482.7	7.5
20°-30°	700.6	10.8
30°-40°	739.3	11.4
40°-50°	654.6	10.1
50°-60°	522.4	8.1
60°-70°	355.1	5.5
70°-80°	182.0	2.8
80°-90°	47.6	0.7
90°-100°	59.3	0.9
100°-110°	184.1	2.8
110°-120°	314.7	4.9
120°-130°	413.8	6.4
130°-140°	464.4	7.2
140°-150°	455.4	7.0
150°-160°	382.0	5.9
160°-170°	253.3	3.9
170°-180°	88.5	1.4
0°-30°	1349.4	20.9
0°-40°	2088.7	32.3
0°-60°	3265.7	50.5
0°-90°	3850.4	59.5
90°-120°	558.0	8.6
90°-150°	1891.7	29.3
90°-180°	2616.0	40.5
0°-180°	6465.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1744	1744	1744	1744	1744	
5°	1947	1748	1549	1748	1947	194
15°	2394	1650	1148	1650	2394	660
25°	1994	1476	922	1476	1994	901
35°	1086	1212	765	1212	1086	706
45°	654	909	628	909	654	514
55°	460	621	486	621	460	412
65°	283	370	328	370	283	281
75°	139	175	166	175	139	149
85°	36	36	27	36	36	40
90°	27	1	27	1	27	14
95°	49	41	49	41	49	55
105°	175	170	175	170	175	184
115°	316	316	316	316	316	312
125°	461	459	461	459	461	411
135°	602	594	602	594	602	463
145°	729	721	729	721	729	455
155°	831	825	831	825	831	383
165°	898	898	898	898	898	253
175°	931	934	931	934	931	88
180°	935	935	935	935	935	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5
2.5°	1824.0	1824.5	1825.6	1817.1	1815.9	1815.9	1808.5	1802.0	1794.5	1784.3	1785.4
5°	1947.3	1954.7	1957.3	1949.3	1937.2	1935.9	1924.5	1905.7	1888.3	1874.2	1864.2
7.5°	2094.5	2097.4	2090.8	2080.2	2071.2	2055.2	2034.0	2013.3	1984.2	1957.5	1937.6
10°	2205.9	2210.0	2198.6	2183.1	2170.4	2151.6	2120.8	2089.3	2051.1	2014.3	1984.8
12.5°	2290.7	2300.6	2285.9	2283.9	2262.1	2236.3	2199.7	2183.7	2130.0	2078.6	2047.0
15°	2393.6	2392.9	2394.3	2381.5	2365.4	2361.4	2322.6	2280.4	2204.6	2174.4	2122.2
17.5°	2363.8	2374.0	2378.7	2378.5	2378.1	2375.6	2363.2	2336.5	2298.6	2249.7	2189.3
20°	2293.1	2306.4	2308.5	2323.9	2332.6	2344.0	2348.6	2341.3	2317.8	2276.9	2224.7
22.5°	2183.7	2187.5	2193.7	2217.8	2236.6	2265.2	2280.1	2304.8	2295.8	2275.9	2232.2
25°	1994.2	1987.5	2010.9	2023.0	2066.6	2112.1	2145.0	2181.1	2213.3	2232.7	2220.0
27.5°	1766.7	1756.6	1791.7	1823.7	1859.1	1908.4	1959.6	2020.0	2070.3	2133.1	2154.7
30°	1574.7	1580.7	1614.3	1648.4	1702.0	1771.7	1829.4	1895.7	1967.4	2037.7	2086.7
32.5°	1367.8	1391.0	1412.2	1464.5	1511.8	1589.4	1673.9	1756.9	1846.2	1926.2	2002.0
35°	1085.5	1112.4	1141.9	1180.0	1246.4	1323.4	1405.8	1517.7	1639.7	1749.0	1838.8
37.5°	913.7	909.5	926.3	953.9	1007.6	1069.9	1164.8	1275.4	1418.9	1547.2	1673.9
40°	810.8	808.1	820.2	845.7	886.6	932.1	1015.2	1112.4	1245.7	1402.5	1553.3
42.5°	740.0	741.6	748.3	766.3	794.4	831.8	894.0	976.7	1098.8	1246.5	1408.6
45°	654.0	658.7	666.1	674.8	690.8	721.6	756.5	815.5	912.0	1035.3	1194.8
47.5°	592.1	592.2	599.8	607.3	616.9	634.3	662.7	699.7	767.8	868.2	1005.3
50°	558.9	554.2	559.6	565.5	575.6	587.6	606.4	641.3	686.8	767.9	882.5
52.5°	518.2	518.3	523.1	525.3	534.3	546.4	563.5	587.6	628.9	692.4	786.6
55°	459.7	463.0	465.7	469.7	477.8	486.5	499.9	515.9	548.2	595.7	665.4
57.5°	404.8	405.8	408.5	416.2	421.2	429.3	442.0	456.6	477.5	512.7	565.1
60°	367.2	367.2	372.5	375.9	382.6	390.6	400.7	414.8	433.5	462.3	504.6
62.5°	333.0	332.3	334.5	340.0	345.1	352.6	362.6	374.6	392.2	417.9	452.6
65°	282.8	281.4	285.5	286.8	292.2	299.5	307.6	320.3	334.4	353.1	384.0
67.5°	234.5	236.1	238.3	240.9	243.8	251.6	256.9	265.9	277.8	293.4	314.3
70°	207.7	207.7	207.7	209.7	213.8	217.8	223.2	230.6	241.9	255.3	274.1
72.5°	177.7	179.9	182.0	180.8	185.9	188.3	194.7	198.8	209.7	218.3	234.9
75°	139.4	139.4	139.4	142.7	144.7	146.7	150.8	154.8	160.2	170.9	179.6
77.5°	104.0	103.7	104.4	105.2	107.3	109.8	111.0	114.6	119.6	124.5	131.9
80°	80.4	81.8	82.4	83.7	83.7	85.1	85.7	90.5	93.8	97.1	101.9
82.5°	62.2	62.4	62.6	62.8	63.4	64.2	65.9	67.5	68.6	71.4	75.0
85°	36.2	35.5	35.5	36.9	36.2	36.2	37.6	38.9	38.9	39.5	41.5
87.5°	19.3	19.3	19.8	19.2	19.2	19.7	19.8	19.3	19.9	20.5	20.3
90°	26.9	26.7	26.5	26.4	26.2	26.3	26.6	27.0	27.3	27.7	23.7
92.5°	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2	25.1	25.1	24.2
95°	49.0	49.3	49.7	50.0	50.4	50.5	50.5	50.5	50.5	50.5	50.2
97.5°	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.2
100°	108.2	108.4	108.5	108.7	108.9	109.0	109.0	109.0	109.0	109.0	108.4
102.5°	134.6	134.8	135.0	135.2	135.3	135.4	135.2	135.1	134.9	134.8	134.1
105°	175.2	175.2	175.2	175.2	175.2	175.1	174.7	174.4	174.0	173.7	173.3
107.5°	213.5	214.3	215.1	215.9	216.7	217.0	216.8	216.7	216.6	216.4	216.4
110°	243.1	243.7	244.2	244.7	245.2	245.5	245.5	245.5	245.5	245.5	245.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	271.6	272.0	272.3	272.7	273.1	273.5	273.9	274.3	274.8	275.2	275.3
115°	315.8	316.3	316.8	317.3	317.8	318.2	318.4	318.5	318.7	318.9	319.2
117.5°	357.9	358.4	358.9	359.5	360.0	360.4	360.9	361.3	361.7	362.1	363.1
120°	387.6	388.1	388.6	389.1	389.7	389.9	389.9	389.9	389.9	389.9	391.3
122.5°	416.7	417.0	417.4	417.8	418.2	418.6	419.0	419.4	419.8	420.2	421.2
125°	461.0	461.2	461.3	461.5	461.7	462.0	462.5	463.1	463.6	464.1	464.6
127.5°	501.4	502.0	502.5	503.1	503.6	504.2	504.8	505.5	506.1	506.8	507.4
130°	530.5	531.2	531.9	532.5	533.2	533.8	534.1	534.5	534.8	535.2	535.5
132.5°	558.3	558.8	559.4	559.9	560.5	561.2	561.9	562.7	563.5	564.2	564.1
135°	601.5	602.0	602.6	603.1	603.6	603.9	604.1	604.3	604.5	604.6	604.3
137.5°	640.7	641.4	642.1	642.8	643.5	643.9	644.0	644.2	644.3	644.4	644.0
140°	667.8	668.5	669.2	669.9	670.6	671.0	671.0	671.0	671.0	671.0	670.0
142.5°	692.5	693.2	693.8	694.5	695.2	695.5	695.4	695.2	695.1	695.0	694.4
145°	729.3	730.0	730.7	731.4	732.2	732.5	732.3	732.1	732.0	731.7	730.6
147.5°	762.3	763.1	763.7	764.4	765.1	765.2	764.8	764.4	764.0	763.7	763.0
150°	783.9	784.4	784.9	785.4	786.0	786.0	785.4	784.9	784.4	783.9	783.2
152.5°	804.1	804.7	805.4	806.1	806.7	806.7	806.1	805.4	804.7	804.1	803.1
155°	831.2	831.7	832.2	832.7	833.3	833.1	832.2	831.3	830.5	829.6	829.1
157.5°	854.5	855.4	856.3	857.1	857.9	857.8	856.6	855.4	854.1	852.9	852.6
160°	869.1	869.8	870.5	871.2	871.9	871.7	870.7	869.6	868.6	867.5	867.4
162.5°	881.7	882.5	883.4	884.2	885.0	884.9	883.7	882.5	881.3	880.1	880.0
165°	898.3	899.2	900.0	900.9	901.8	901.6	900.4	899.2	898.0	896.7	896.7
167.5°	911.9	912.8	913.7	914.6	915.5	915.3	914.1	912.9	911.7	910.4	910.5
170°	918.8	919.9	920.9	922.0	923.0	922.9	921.7	920.5	919.3	918.0	918.2
172.5°	924.5	925.5	926.6	927.7	928.7	928.6	927.4	926.1	924.9	923.7	923.9
175°	930.7	931.7	932.7	933.8	934.8	934.7	933.5	932.3	931.1	929.9	930.2
177.5°	933.5	934.3	935.1	936.0	936.9	936.9	936.0	935.1	934.3	933.5	933.7
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5
2.5°	1789.2	1784.8	1782.2	1772.5	1763.9	1755.3	1752.7	1753.7	1742.0	1730.7	1725.9
5°	1858.9	1845.4	1832.7	1814.6	1793.2	1769.7	1757.7	1748.3	1724.8	1699.4	1684.7
7.5°	1921.3	1902.1	1877.6	1843.6	1812.3	1775.4	1752.0	1731.2	1697.0	1661.0	1639.0
10°	1959.3	1933.2	1901.7	1860.2	1822.0	1777.1	1745.6	1714.1	1673.9	1631.0	1604.2
12.5°	1992.1	1956.8	1925.8	1872.5	1827.4	1771.2	1733.8	1689.4	1647.1	1596.2	1569.9
15°	2069.9	2004.9	1945.9	1885.6	1830.0	1751.6	1710.1	1650.4	1594.8	1531.9	1501.7
17.5°	2130.1	2057.1	1964.2	1887.5	1822.6	1735.9	1674.9	1603.4	1537.6	1465.6	1424.6
20°	2164.4	2080.6	1980.7	1889.7	1811.9	1712.7	1646.4	1573.4	1496.3	1415.2	1371.0
22.5°	2184.7	2096.7	1997.9	1881.6	1790.5	1693.9	1610.5	1530.5	1452.4	1364.8	1318.5
25°	2191.2	2110.8	2006.3	1874.9	1763.7	1654.5	1554.0	1476.2	1381.7	1300.0	1232.3
27.5°	2159.3	2101.6	2001.1	1862.3	1732.7	1605.0	1493.0	1404.9	1305.3	1216.5	1148.4
30°	2120.2	2086.7	1988.8	1849.5	1708.1	1570.7	1447.4	1347.6	1248.4	1158.6	1088.9
32.5°	2059.6	2052.3	1966.3	1831.2	1681.8	1527.3	1399.7	1298.8	1188.9	1100.7	1034.2
35°	1940.6	1972.8	1918.4	1790.5	1632.3	1465.5	1327.5	1212.2	1098.3	1013.8	951.5
37.5°	1781.1	1861.0	1846.7	1730.8	1565.6	1398.3	1245.9	1125.4	1016.8	931.6	870.4
40°	1671.2	1773.0	1787.8	1685.3	1518.4	1346.3	1184.8	1064.8	958.9	881.2	819.5
42.5°	1553.3	1672.2	1712.7	1630.6	1466.9	1291.5	1130.0	1005.8	901.0	825.5	770.7
45°	1355.6	1513.1	1586.1	1539.2	1381.1	1201.4	1035.3	909.3	814.2	743.2	700.9
47.5°	1170.7	1342.8	1441.1	1424.5	1285.5	1107.6	943.3	822.4	729.8	673.2	635.4
50°	1040.0	1216.9	1335.4	1340.9	1216.9	1040.7	875.9	761.9	676.8	623.9	593.0
52.5°	926.3	1095.2	1224.6	1252.9	1140.2	971.0	815.3	701.9	626.9	578.2	550.7
55°	778.0	920.7	1064.1	1116.4	1025.9	865.1	721.0	621.2	550.8	517.4	493.2
57.5°	646.8	765.8	898.2	955.9	900.2	762.5	627.4	540.8	483.6	454.3	435.9
60°	577.6	671.5	789.4	858.4	810.1	687.5	569.6	487.2	440.3	414.1	396.7
62.5°	513.3	596.4	696.1	759.2	733.0	617.3	511.7	438.9	398.4	374.0	361.3
65°	423.5	489.2	566.2	624.5	607.1	519.3	432.9	370.5	338.4	318.9	308.9
67.5°	348.7	396.2	449.6	500.7	486.7	424.4	355.0	306.5	282.6	265.8	259.7
70°	301.5	337.7	385.3	426.2	414.8	363.9	308.9	267.4	246.6	232.6	226.5
72.5°	256.5	286.3	322.6	356.0	348.3	306.0	260.1	228.7	212.8	199.9	194.9
75°	193.7	216.4	238.5	260.6	258.6	225.8	199.0	174.9	162.2	152.1	150.1
77.5°	143.0	155.7	170.8	183.9	180.3	161.5	140.5	126.6	117.2	110.6	109.5
80°	109.3	116.6	127.3	136.7	132.0	124.0	107.2	97.1	90.5	83.7	81.1
82.5°	79.2	86.5	93.0	98.1	94.5	86.9	76.6	69.8	65.8	61.2	60.2
85°	41.5	45.5	48.3	49.6	48.3	43.5	38.9	36.2	32.8	30.8	30.2
87.5°	20.1	19.3	18.5	19.0	17.0	16.6	13.9	11.9	11.8	11.7	11.1
90°	19.9	16.1	12.2	9.2	7.1	5.0	2.9	0.8	2.9	5.0	7.1
92.5°	23.2	22.3	21.4	20.2	18.7	17.2	15.6	14.0	15.6	17.2	18.7
95°	49.8	49.5	49.1	48.1	46.4	44.5	42.8	41.0	42.8	44.5	46.4
97.5°	83.6	82.9	82.3	81.2	79.6	78.1	76.5	75.0	76.5	78.1	79.6
100°	107.9	107.3	106.8	105.8	104.4	103.0	101.7	100.3	101.7	103.0	104.4
102.5°	133.5	132.8	132.2	131.3	130.2	129.1	127.8	126.7	127.8	129.1	130.2
105°	173.0	172.6	172.3	171.8	171.3	170.8	170.3	169.8	170.3	170.8	171.3
107.5°	216.4	216.4	216.4	216.0	215.3	214.5	213.8	213.0	213.8	214.5	215.3
110°	245.5	245.5	245.5	245.0	243.9	242.9	241.8	240.8	241.8	242.9	243.9





TEST NUMBER: P331394-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	275.5	275.6	275.7	275.3	274.2	273.2	272.2	271.0	272.2	273.2	274.2
115°	319.6	319.9	320.3	319.9	318.9	317.8	316.8	315.8	316.8	317.8	318.9
117.5°	364.2	365.1	366.1	365.9	364.5	363.0	361.6	360.2	361.6	363.0	364.5
120°	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9	391.3	392.7	394.2
122.5°	422.2	423.2	424.1	423.8	422.1	420.5	418.8	417.1	418.8	420.5	422.1
125°	465.1	465.7	466.3	465.7	464.1	462.5	461.0	459.4	461.0	462.5	464.1
127.5°	508.1	508.7	509.3	508.6	506.6	504.6	502.6	500.6	502.6	504.6	506.6
130°	535.8	536.2	536.5	535.6	533.3	531.1	528.8	526.5	528.8	531.1	533.3
132.5°	564.1	564.0	563.9	563.0	561.1	559.3	557.4	555.5	557.4	559.3	561.1
135°	603.9	603.6	603.2	602.1	600.2	598.2	596.3	594.4	596.3	598.2	600.2
137.5°	643.5	643.1	642.6	641.6	640.1	638.4	636.8	635.3	636.8	638.4	640.1
140°	669.2	668.3	667.4	666.2	664.6	663.1	661.5	659.9	661.5	663.1	664.6
142.5°	693.8	693.2	692.6	691.5	689.9	688.3	686.7	685.2	686.7	688.3	689.9
145°	729.6	728.6	727.5	726.4	725.2	724.0	722.7	721.4	722.7	724.0	725.2
147.5°	762.2	761.5	760.8	759.7	758.2	756.8	755.3	753.9	755.3	756.8	758.2
150°	782.4	781.7	781.0	780.1	779.1	778.0	777.0	776.0	777.0	778.0	779.1
152.5°	802.3	801.5	800.6	799.7	798.7	797.6	796.6	795.5	796.6	797.6	798.7
155°	828.6	828.0	827.5	827.0	826.5	826.0	825.4	824.9	825.4	826.0	826.5
157.5°	852.3	852.0	851.7	851.4	851.0	850.7	850.3	850.0	850.3	850.7	851.0
160°	867.2	867.0	866.8	866.6	866.2	865.9	865.5	865.2	865.5	865.9	866.2
162.5°	879.8	879.6	879.4	879.3	879.2	879.2	879.1	879.0	879.1	879.2	879.2
165°	896.7	896.7	896.7	896.8	897.0	897.2	897.4	897.5	897.4	897.2	897.0
167.5°	910.5	910.6	910.6	910.9	911.4	911.9	912.4	912.9	912.4	911.9	911.4
170°	918.4	918.6	918.7	919.1	919.6	920.1	920.7	921.2	920.7	920.1	919.6
172.5°	924.0	924.2	924.4	924.7	925.2	925.8	926.3	926.9	926.3	925.8	925.2
175°	930.6	930.9	931.3	931.7	932.2	932.7	933.3	933.8	933.3	932.7	932.2
177.5°	934.0	934.3	934.6	934.9	935.3	935.8	936.2	936.6	936.2	935.8	935.3
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331394-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5
2.5°	1720.5	1717.3	1706.1	1700.2	1690.5	1681.4	1675.5	1678.2	1680.3	1679.2	1677.7
5°	1671.2	1658.5	1639.0	1622.2	1610.2	1588.1	1578.7	1574.1	1570.0	1565.3	1560.6
7.5°	1612.6	1592.5	1564.5	1540.7	1518.1	1490.7	1475.0	1465.6	1456.0	1445.4	1436.0
10°	1570.7	1542.6	1513.1	1479.6	1452.8	1427.9	1405.8	1391.1	1377.8	1364.9	1355.6
12.5°	1526.7	1494.3	1457.8	1412.0	1382.5	1347.1	1343.6	1317.7	1296.8	1288.9	1277.9
15°	1456.8	1411.2	1364.9	1310.7	1287.3	1255.1	1235.0	1214.9	1196.8	1184.1	1180.7
17.5°	1377.4	1318.4	1272.3	1233.3	1194.9	1162.0	1143.5	1127.4	1112.5	1095.5	1093.2
20°	1316.8	1265.8	1215.6	1181.3	1141.9	1108.3	1085.5	1069.4	1056.7	1046.7	1037.9
22.5°	1259.4	1203.7	1157.6	1120.2	1081.3	1054.2	1036.2	1020.7	1010.1	999.0	990.8
25°	1167.3	1123.8	1073.5	1031.3	999.1	981.7	966.9	953.5	946.8	939.5	930.1
27.5°	1086.7	1038.3	991.4	958.7	930.4	914.9	904.5	895.3	889.1	884.7	879.4
30°	1030.0	981.0	944.1	912.0	888.6	873.1	866.5	861.1	853.7	851.0	848.4
32.5°	975.2	931.2	899.7	871.8	849.4	839.4	833.2	828.4	822.6	819.9	814.6
35°	898.0	861.1	830.2	814.9	796.8	788.0	783.4	776.7	771.2	768.6	767.9
37.5°	825.2	793.1	772.8	753.1	745.4	740.0	733.7	729.0	727.4	727.0	726.4
40°	778.0	751.8	733.8	717.7	714.3	706.3	700.9	696.9	696.9	697.6	696.9
42.5°	735.1	711.7	695.7	681.8	677.8	673.1	667.7	667.4	668.5	670.8	668.5
45°	670.0	653.4	642.0	635.2	627.8	623.2	622.5	624.5	625.2	625.9	627.8
47.5°	610.4	599.2	588.9	581.5	578.2	577.4	576.6	580.2	583.4	584.6	587.6
50°	574.9	562.2	553.5	548.8	546.1	544.8	546.1	550.2	552.8	556.1	558.2
52.5°	535.2	526.2	520.3	516.6	515.5	516.3	516.6	521.2	525.5	526.6	527.7
55°	480.5	473.7	472.4	466.4	469.1	468.4	471.7	474.4	478.5	482.5	483.1
57.5°	425.8	420.4	416.8	417.4	418.2	421.1	423.9	428.6	432.9	437.2	437.6
60°	389.3	386.7	384.7	384.7	386.0	390.0	393.3	398.0	400.7	403.4	405.4
62.5°	356.1	353.5	351.4	352.4	356.0	358.4	362.2	364.8	367.5	370.1	371.1
65°	303.6	302.3	304.3	305.6	306.2	309.6	314.3	316.3	318.9	320.3	325.0
67.5°	255.2	255.4	255.2	257.0	260.9	261.8	266.2	270.8	271.4	274.0	277.0
70°	222.5	223.8	225.2	226.5	229.8	231.2	234.5	236.5	239.2	241.3	243.3
72.5°	192.5	192.7	194.1	193.8	196.6	199.5	202.4	204.4	207.0	209.6	211.6
75°	148.0	148.0	149.5	150.1	153.5	156.8	156.1	157.4	160.2	162.8	164.2
77.5°	108.2	106.6	108.2	108.9	109.9	112.7	113.2	115.1	118.2	117.2	118.8
80°	82.4	80.4	82.4	83.1	83.1	86.4	86.4	87.8	89.8	87.8	89.8
82.5°	58.9	57.9	59.4	59.5	60.6	60.7	61.8	62.0	64.0	63.1	64.0
85°	29.5	28.8	29.5	28.8	29.5	30.2	30.2	29.5	29.5	30.8	28.8
87.5°	10.9	11.0	11.2	12.0	12.2	12.5	11.9	11.8	11.7	10.6	10.6
90°	9.2	12.2	16.1	19.9	23.7	27.7	27.3	27.0	26.6	26.3	26.2
92.5°	20.2	21.4	22.3	23.2	24.2	25.1	25.1	25.2	25.3	25.3	25.4
95°	48.1	49.1	49.5	49.8	50.2	50.5	50.5	50.5	50.5	50.5	50.4
97.5°	81.2	82.3	82.9	83.6	84.2	84.9	84.9	84.9	84.9	84.9	84.9
100°	105.8	106.8	107.3	107.9	108.4	109.0	109.0	109.0	109.0	109.0	108.9
102.5°	131.3	132.2	132.8	133.5	134.1	134.8	134.9	135.1	135.2	135.4	135.3
105°	171.8	172.3	172.6	173.0	173.3	173.7	174.0	174.4	174.7	175.1	175.2
107.5°	216.0	216.4	216.4	216.4	216.4	216.4	216.6	216.7	216.8	217.0	216.7
110°	245.0	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.5	245.2



TEST NUMBER: P331394-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	275.3	275.7	275.6	275.5	275.3	275.2	274.8	274.3	273.9	273.5	273.1
115°	319.9	320.3	319.9	319.6	319.2	318.9	318.7	318.5	318.4	318.2	317.8
117.5°	365.9	366.1	365.1	364.2	363.1	362.1	361.7	361.3	360.9	360.4	360.0
120°	395.6	395.6	394.2	392.7	391.3	389.9	389.9	389.9	389.9	389.9	389.7
122.5°	423.8	424.1	423.2	422.2	421.2	420.2	419.8	419.4	419.0	418.6	418.2
125°	465.7	466.3	465.7	465.1	464.6	464.1	463.6	463.1	462.5	462.0	461.7
127.5°	508.6	509.3	508.7	508.1	507.4	506.8	506.1	505.5	504.8	504.2	503.6
130°	535.6	536.5	536.2	535.8	535.5	535.2	534.8	534.5	534.1	533.8	533.2
132.5°	563.0	563.9	564.0	564.1	564.1	564.2	563.5	562.7	561.9	561.2	560.5
135°	602.1	603.2	603.6	603.9	604.3	604.6	604.5	604.3	604.1	603.9	603.6
137.5°	641.6	642.6	643.1	643.5	644.0	644.4	644.3	644.2	644.0	643.9	643.5
140°	666.2	667.4	668.3	669.2	670.0	671.0	671.0	671.0	671.0	671.0	670.6
142.5°	691.5	692.6	693.2	693.8	694.4	695.0	695.1	695.2	695.4	695.5	695.2
145°	726.4	727.5	728.6	729.6	730.6	731.7	732.0	732.1	732.3	732.5	732.2
147.5°	759.7	760.8	761.5	762.2	763.0	763.7	764.0	764.4	764.8	765.2	765.1
150°	780.1	781.0	781.7	782.4	783.2	783.9	784.4	784.9	785.4	786.0	786.0
152.5°	799.7	800.6	801.5	802.3	803.1	804.1	804.7	805.4	806.1	806.7	806.7
155°	827.0	827.5	828.0	828.6	829.1	829.6	830.5	831.3	832.2	833.1	833.3
157.5°	851.4	851.7	852.0	852.3	852.6	852.9	854.1	855.4	856.6	857.8	857.9
160°	866.6	866.8	867.0	867.2	867.4	867.5	868.6	869.6	870.7	871.7	871.9
162.5°	879.3	879.4	879.6	879.8	880.0	880.1	881.3	882.5	883.7	884.9	885.0
165°	896.8	896.7	896.7	896.7	896.7	896.7	898.0	899.2	900.4	901.6	901.8
167.5°	910.9	910.6	910.6	910.5	910.5	910.4	911.7	912.9	914.1	915.3	915.5
170°	919.1	918.7	918.6	918.4	918.2	918.0	919.3	920.5	921.7	922.9	923.0
172.5°	924.7	924.4	924.2	924.0	923.9	923.7	924.9	926.1	927.4	928.6	928.7
175°	931.7	931.3	930.9	930.6	930.2	929.9	931.1	932.3	933.5	934.7	934.8
177.5°	934.9	934.6	934.3	934.0	933.7	933.5	934.3	935.1	936.0	936.9	936.9
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331394-840

CATALOG NUMBER: S122DIP-S865D725U840-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5
2.5°	1672.2	1671.2	1671.2	1666.4	1671.2	1671.2	1672.2	1677.7	1679.2	1680.3	1678.2
5°	1551.3	1549.2	1545.9	1549.2	1545.9	1549.2	1551.3	1560.6	1565.3	1570.0	1574.1
7.5°	1431.6	1423.5	1422.3	1414.4	1422.3	1423.5	1431.6	1436.0	1445.4	1456.0	1465.6
10°	1344.2	1338.9	1338.2	1325.4	1338.2	1338.9	1344.2	1355.6	1364.9	1377.8	1391.1
12.5°	1277.8	1264.9	1267.4	1260.0	1267.4	1264.9	1277.8	1277.9	1288.9	1296.8	1317.7
15°	1162.7	1162.7	1159.9	1148.5	1159.9	1162.7	1162.7	1180.7	1184.1	1196.8	1214.9
17.5°	1079.9	1078.5	1072.2	1075.4	1072.2	1078.5	1079.9	1093.2	1095.5	1112.5	1127.4
20°	1030.6	1026.6	1018.5	1018.5	1018.5	1026.6	1030.6	1037.9	1046.7	1056.7	1069.4
22.5°	984.0	983.7	975.1	977.8	975.1	983.7	984.0	990.8	999.0	1010.1	1020.7
25°	929.4	924.0	920.1	922.0	920.1	924.0	929.4	930.1	939.5	946.8	953.5
27.5°	877.7	874.7	874.4	869.0	874.4	874.7	877.7	879.4	884.7	889.1	895.3
30°	847.7	841.0	842.3	839.0	842.3	841.0	847.7	848.4	851.0	853.7	861.1
32.5°	813.3	810.9	809.6	806.8	809.6	810.9	813.3	814.6	819.9	822.6	828.4
35°	766.6	767.3	763.9	765.3	763.9	767.3	766.6	767.9	768.6	771.2	776.7
37.5°	725.7	727.8	726.3	726.7	726.3	727.8	725.7	726.4	727.0	727.4	729.0
40°	698.9	698.9	698.9	700.9	698.9	698.9	698.9	696.9	697.6	696.9	696.9
42.5°	673.2	672.1	671.1	670.9	671.1	672.1	673.2	668.5	670.8	668.5	667.4
45°	629.2	631.3	631.9	628.5	631.9	631.3	629.2	627.8	625.9	625.2	624.5
47.5°	589.5	589.7	589.5	592.4	589.5	589.7	589.5	587.6	584.6	583.4	580.2
50°	561.6	560.2	561.6	560.2	561.6	560.2	561.6	558.2	556.1	552.8	550.2
52.5°	532.1	532.3	531.5	531.3	531.5	532.3	532.1	527.7	526.6	525.5	521.2
55°	485.8	487.2	486.5	486.5	486.5	487.2	485.8	483.1	482.5	478.5	474.4
57.5°	438.0	439.2	440.1	437.2	440.1	439.2	438.0	437.6	437.2	432.9	428.6
60°	404.8	408.1	407.4	406.1	407.4	408.1	404.8	405.4	403.4	400.7	398.0
62.5°	374.2	375.4	375.3	375.0	375.3	375.4	374.2	371.1	370.1	367.5	364.8
65°	327.0	328.3	326.3	328.3	326.3	328.3	327.0	325.0	320.3	318.9	316.3
67.5°	276.2	276.6	278.1	279.0	278.1	276.6	276.2	277.0	274.0	271.4	270.8
70°	244.6	243.9	245.9	247.9	245.9	243.9	244.6	243.3	241.3	239.2	236.5
72.5°	211.4	212.8	212.2	213.6	212.2	212.8	211.4	211.6	209.6	207.0	204.4
75°	162.8	164.8	164.2	166.2	164.2	164.8	162.8	164.2	162.8	160.2	157.4
77.5°	117.6	118.0	117.6	118.8	117.6	118.0	117.6	118.8	117.2	118.2	115.1
80°	89.8	88.5	87.2	89.8	87.2	88.5	89.8	89.8	87.8	89.8	87.8
82.5°	62.4	63.2	61.9	61.9	61.9	63.2	62.4	64.0	63.1	64.0	62.0
85°	28.8	28.2	26.8	26.8	26.8	28.2	28.8	28.8	30.8	29.5	29.5
87.5°	10.6	10.1	10.2	9.7	10.2	10.1	10.6	10.6	10.6	11.7	11.8
90°	26.4	26.5	26.7	26.9	26.7	26.5	26.4	26.2	26.3	26.6	27.0
92.5°	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2
95°	50.0	49.7	49.3	49.0	49.3	49.7	50.0	50.4	50.5	50.5	50.5
97.5°	84.9	84.8	84.8	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9
100°	108.7	108.5	108.4	108.2	108.4	108.5	108.7	108.9	109.0	109.0	109.0
102.5°	135.2	135.0	134.8	134.6	134.8	135.0	135.2	135.3	135.4	135.2	135.1
105°	175.2	175.2	175.2	175.2	175.2	175.2	175.2	175.2	175.1	174.7	174.4
107.5°	215.9	215.1	214.3	213.5	214.3	215.1	215.9	216.7	217.0	216.8	216.7
110°	244.7	244.2	243.7	243.1	243.7	244.2	244.7	245.2	245.5	245.5	245.5



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	272.7	272.3	272.0	271.6	272.0	272.3	272.7	273.1	273.5	273.9	274.3
115°	317.3	316.8	316.3	315.8	316.3	316.8	317.3	317.8	318.2	318.4	318.5
117.5°	359.5	358.9	358.4	357.9	358.4	358.9	359.5	360.0	360.4	360.9	361.3
120°	389.1	388.6	388.1	387.6	388.1	388.6	389.1	389.7	389.9	389.9	389.9
122.5°	417.8	417.4	417.0	416.7	417.0	417.4	417.8	418.2	418.6	419.0	419.4
125°	461.5	461.3	461.2	461.0	461.2	461.3	461.5	461.7	462.0	462.5	463.1
127.5°	503.1	502.5	502.0	501.4	502.0	502.5	503.1	503.6	504.2	504.8	505.5
130°	532.5	531.9	531.2	530.5	531.2	531.9	532.5	533.2	533.8	534.1	534.5
132.5°	559.9	559.4	558.8	558.3	558.8	559.4	559.9	560.5	561.2	561.9	562.7
135°	603.1	602.6	602.0	601.5	602.0	602.6	603.1	603.6	603.9	604.1	604.3
137.5°	642.8	642.1	641.4	640.7	641.4	642.1	642.8	643.5	643.9	644.0	644.2
140°	669.9	669.2	668.5	667.8	668.5	669.2	669.9	670.6	671.0	671.0	671.0
142.5°	694.5	693.8	693.2	692.5	693.2	693.8	694.5	695.2	695.5	695.4	695.2
145°	731.4	730.7	730.0	729.3	730.0	730.7	731.4	732.2	732.5	732.3	732.1
147.5°	764.4	763.7	763.1	762.3	763.1	763.7	764.4	765.1	765.2	764.8	764.4
150°	785.4	784.9	784.4	783.9	784.4	784.9	785.4	786.0	786.0	785.4	784.9
152.5°	806.1	805.4	804.7	804.1	804.7	805.4	806.1	806.7	806.7	806.1	805.4
155°	832.7	832.2	831.7	831.2	831.7	832.2	832.7	833.3	833.1	832.2	831.3
157.5°	857.1	856.3	855.4	854.5	855.4	856.3	857.1	857.9	857.8	856.6	855.4
160°	871.2	870.5	869.8	869.1	869.8	870.5	871.2	871.9	871.7	870.7	869.6
162.5°	884.2	883.4	882.5	881.7	882.5	883.4	884.2	885.0	884.9	883.7	882.5
165°	900.9	900.0	899.2	898.3	899.2	900.0	900.9	901.8	901.6	900.4	899.2
167.5°	914.6	913.7	912.8	911.9	912.8	913.7	914.6	915.5	915.3	914.1	912.9
170°	922.0	920.9	919.9	918.8	919.9	920.9	922.0	923.0	922.9	921.7	920.5
172.5°	927.7	926.6	925.5	924.5	925.5	926.6	927.7	928.7	928.6	927.4	926.1
175°	933.8	932.7	931.7	930.7	931.7	932.7	933.8	934.8	934.7	933.5	932.3
177.5°	936.0	935.1	934.3	933.5	934.3	935.1	936.0	936.9	936.9	936.0	935.1
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5
2.5°	1675.5	1681.4	1690.5	1700.2	1706.1	1717.3	1720.5	1725.9	1730.7	1742.0	1753.7
5°	1578.7	1588.1	1610.2	1622.2	1639.0	1658.5	1671.2	1684.7	1699.4	1724.8	1748.3
7.5°	1475.0	1490.7	1518.1	1540.7	1564.5	1592.5	1612.6	1639.0	1661.0	1697.0	1731.2
10°	1405.8	1427.9	1452.8	1479.6	1513.1	1542.6	1570.7	1604.2	1631.0	1673.9	1714.1
12.5°	1343.6	1347.1	1382.5	1412.0	1457.8	1494.3	1526.7	1569.9	1596.2	1647.1	1689.4
15°	1235.0	1255.1	1287.3	1310.7	1364.9	1411.2	1456.8	1501.7	1531.9	1594.8	1650.4
17.5°	1143.5	1162.0	1194.9	1233.3	1272.3	1318.4	1377.4	1424.6	1465.6	1537.6	1603.4
20°	1085.5	1108.3	1141.9	1181.3	1215.6	1265.8	1316.8	1371.0	1415.2	1496.3	1573.4
22.5°	1036.2	1054.2	1081.3	1120.2	1157.6	1203.7	1259.4	1318.5	1364.8	1452.4	1530.5
25°	966.9	981.7	999.1	1031.3	1073.5	1123.8	1167.3	1232.3	1300.0	1381.7	1476.2
27.5°	904.5	914.9	930.4	958.7	991.4	1038.3	1086.7	1148.4	1216.5	1305.3	1404.9
30°	866.5	873.1	888.6	912.0	944.1	981.0	1030.0	1088.9	1158.6	1248.4	1347.6
32.5°	833.2	839.4	849.4	871.8	899.7	931.2	975.2	1034.2	1100.7	1188.9	1298.8
35°	783.4	788.0	796.8	814.9	830.2	861.1	898.0	951.5	1013.8	1098.3	1212.2
37.5°	733.7	740.0	745.4	753.1	772.8	793.1	825.2	870.4	931.6	1016.8	1125.4
40°	700.9	706.3	714.3	717.7	733.8	751.8	778.0	819.5	881.2	958.9	1064.8
42.5°	667.7	673.1	677.8	681.8	695.7	711.7	735.1	770.7	825.5	901.0	1005.8
45°	622.5	623.2	627.8	635.2	642.0	653.4	670.0	700.9	743.2	814.2	909.3
47.5°	576.6	577.4	578.2	581.5	588.9	599.2	610.4	635.4	673.2	729.8	822.4
50°	546.1	544.8	546.1	548.8	553.5	562.2	574.9	593.0	623.9	676.8	761.9
52.5°	516.6	516.3	515.5	516.6	520.3	526.2	535.2	550.7	578.2	626.9	701.9
55°	471.7	468.4	469.1	466.4	472.4	473.7	480.5	493.2	517.4	550.8	621.2
57.5°	423.9	421.1	418.2	417.4	416.8	420.4	425.8	435.9	454.3	483.6	540.8
60°	393.3	390.0	386.0	384.7	384.7	386.7	389.3	396.7	414.1	440.3	487.2
62.5°	362.2	358.4	356.0	352.4	351.4	353.5	356.1	361.3	374.0	398.4	438.9
65°	314.3	309.6	306.2	305.6	304.3	302.3	303.6	308.9	318.9	338.4	370.5
67.5°	266.2	261.8	260.9	257.0	255.2	255.4	255.2	259.7	265.8	282.6	306.5
70°	234.5	231.2	229.8	226.5	225.2	223.8	222.5	226.5	232.6	246.6	267.4
72.5°	202.4	199.5	196.6	193.8	194.1	192.7	192.5	194.9	199.9	212.8	228.7
75°	156.1	156.8	153.5	150.1	149.5	148.0	148.0	150.1	152.1	162.2	174.9
77.5°	113.2	112.7	109.9	108.9	108.2	106.6	108.2	109.5	110.6	117.2	126.6
80°	86.4	86.4	83.1	83.1	82.4	80.4	82.4	81.1	83.7	90.5	97.1
82.5°	61.8	60.7	60.6	59.5	59.4	57.9	58.9	60.2	61.2	65.8	69.8
85°	30.2	30.2	29.5	28.8	29.5	28.8	29.5	30.2	30.8	32.8	36.2
87.5°	11.9	12.5	12.2	12.0	11.2	11.0	10.9	11.1	11.7	11.8	11.9
90°	27.3	27.7	23.7	19.9	16.1	12.2	9.2	7.1	5.0	2.9	0.8
92.5°	25.1	25.1	24.2	23.2	22.3	21.4	20.2	18.7	17.2	15.6	14.0
95°	50.5	50.5	50.2	49.8	49.5	49.1	48.1	46.4	44.5	42.8	41.0
97.5°	84.9	84.9	84.2	83.6	82.9	82.3	81.2	79.6	78.1	76.5	75.0
100°	109.0	109.0	108.4	107.9	107.3	106.8	105.8	104.4	103.0	101.7	100.3
102.5°	134.9	134.8	134.1	133.5	132.8	132.2	131.3	130.2	129.1	127.8	126.7
105°	174.0	173.7	173.3	173.0	172.6	172.3	171.8	171.3	170.8	170.3	169.8
107.5°	216.6	216.4	216.4	216.4	216.4	216.4	216.0	215.3	214.5	213.8	213.0
110°	245.5	245.5	245.5	245.5	245.5	245.5	245.0	243.9	242.9	241.8	240.8



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	274.8	275.2	275.3	275.5	275.6	275.7	275.3	274.2	273.2	272.2	271.0
115°	318.7	318.9	319.2	319.6	319.9	320.3	319.9	318.9	317.8	316.8	315.8
117.5°	361.7	362.1	363.1	364.2	365.1	366.1	365.9	364.5	363.0	361.6	360.2
120°	389.9	389.9	391.3	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9
122.5°	419.8	420.2	421.2	422.2	423.2	424.1	423.8	422.1	420.5	418.8	417.1
125°	463.6	464.1	464.6	465.1	465.7	466.3	465.7	464.1	462.5	461.0	459.4
127.5°	506.1	506.8	507.4	508.1	508.7	509.3	508.6	506.6	504.6	502.6	500.6
130°	534.8	535.2	535.5	535.8	536.2	536.5	535.6	533.3	531.1	528.8	526.5
132.5°	563.5	564.2	564.1	564.1	564.0	563.9	563.0	561.1	559.3	557.4	555.5
135°	604.5	604.6	604.3	603.9	603.6	603.2	602.1	600.2	598.2	596.3	594.4
137.5°	644.3	644.4	644.0	643.5	643.1	642.6	641.6	640.1	638.4	636.8	635.3
140°	671.0	671.0	670.0	669.2	668.3	667.4	666.2	664.6	663.1	661.5	659.9
142.5°	695.1	695.0	694.4	693.8	693.2	692.6	691.5	689.9	688.3	686.7	685.2
145°	732.0	731.7	730.6	729.6	728.6	727.5	726.4	725.2	724.0	722.7	721.4
147.5°	764.0	763.7	763.0	762.2	761.5	760.8	759.7	758.2	756.8	755.3	753.9
150°	784.4	783.9	783.2	782.4	781.7	781.0	780.1	779.1	778.0	777.0	776.0
152.5°	804.7	804.1	803.1	802.3	801.5	800.6	799.7	798.7	797.6	796.6	795.5
155°	830.5	829.6	829.1	828.6	828.0	827.5	827.0	826.5	826.0	825.4	824.9
157.5°	854.1	852.9	852.6	852.3	852.0	851.7	851.4	851.0	850.7	850.3	850.0
160°	868.6	867.5	867.4	867.2	867.0	866.8	866.6	866.2	865.9	865.5	865.2
162.5°	881.3	880.1	880.0	879.8	879.6	879.4	879.3	879.2	879.2	879.1	879.0
165°	898.0	896.7	896.7	896.7	896.7	896.7	896.8	897.0	897.2	897.4	897.5
167.5°	911.7	910.4	910.5	910.5	910.6	910.6	910.9	911.4	911.9	912.4	912.9
170°	919.3	918.0	918.2	918.4	918.6	918.7	919.1	919.6	920.1	920.7	921.2
172.5°	924.9	923.7	923.9	924.0	924.2	924.4	924.7	925.2	925.8	926.3	926.9
175°	931.1	929.9	930.2	930.6	930.9	931.3	931.7	932.2	932.7	933.3	933.8
177.5°	934.3	933.5	933.7	934.0	934.3	934.6	934.9	935.3	935.8	936.2	936.6
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



TEST NUMBER: P331394-840

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5
2.5°	1752.7	1755.3	1763.9	1772.5	1782.2	1784.8	1789.2	1785.4	1784.3	1794.5	1802.0
5°	1757.7	1769.7	1793.2	1814.6	1832.7	1845.4	1858.9	1864.2	1874.2	1888.3	1905.7
7.5°	1752.0	1775.4	1812.3	1843.6	1877.6	1902.1	1921.3	1937.6	1957.5	1984.2	2013.3
10°	1745.6	1777.1	1822.0	1860.2	1901.7	1933.2	1959.3	1984.8	2014.3	2051.1	2089.3
12.5°	1733.8	1771.2	1827.4	1872.5	1925.8	1956.8	1992.1	2047.0	2078.6	2130.0	2183.7
15°	1710.1	1751.6	1830.0	1885.6	1945.9	2004.9	2069.9	2122.2	2174.4	2204.6	2280.4
17.5°	1674.9	1735.9	1822.6	1887.5	1964.2	2057.1	2130.1	2189.3	2249.7	2298.6	2336.5
20°	1646.4	1712.7	1811.9	1889.7	1980.7	2080.6	2164.4	2224.7	2276.9	2317.8	2341.3
22.5°	1610.5	1693.9	1790.5	1881.6	1997.9	2096.7	2184.7	2232.2	2275.9	2295.8	2304.8
25°	1554.0	1654.5	1763.7	1874.9	2006.3	2110.8	2191.2	2220.0	2232.7	2213.3	2181.1
27.5°	1493.0	1605.0	1732.7	1862.3	2001.1	2101.6	2159.3	2154.7	2133.1	2070.3	2020.0
30°	1447.4	1570.7	1708.1	1849.5	1988.8	2086.7	2120.2	2086.7	2037.7	1967.4	1895.7
32.5°	1399.7	1527.3	1681.8	1831.2	1966.3	2052.3	2059.6	2002.0	1926.2	1846.2	1756.9
35°	1327.5	1465.5	1632.3	1790.5	1918.4	1972.8	1940.6	1838.8	1749.0	1639.7	1517.7
37.5°	1245.9	1398.3	1565.6	1730.8	1846.7	1861.0	1781.1	1673.9	1547.2	1418.9	1275.4
40°	1184.8	1346.3	1518.4	1685.3	1787.8	1773.0	1671.2	1553.3	1402.5	1245.7	1112.4
42.5°	1130.0	1291.5	1466.9	1630.6	1712.7	1672.2	1553.3	1408.6	1246.5	1098.8	976.7
45°	1035.3	1201.4	1381.1	1539.2	1586.1	1513.1	1355.6	1194.8	1035.3	912.0	815.5
47.5°	943.3	1107.6	1285.5	1424.5	1441.1	1342.8	1170.7	1005.3	868.2	767.8	699.7
50°	875.9	1040.7	1216.9	1340.9	1335.4	1216.9	1040.0	882.5	767.9	686.8	641.3
52.5°	815.3	971.0	1140.2	1252.9	1224.6	1095.2	926.3	786.6	692.4	628.9	587.6
55°	721.0	865.1	1025.9	1116.4	1064.1	920.7	778.0	665.4	595.7	548.2	515.9
57.5°	627.4	762.5	900.2	955.9	898.2	765.8	646.8	565.1	512.7	477.5	456.6
60°	569.6	687.5	810.1	858.4	789.4	671.5	577.6	504.6	462.3	433.5	414.8
62.5°	511.7	617.3	733.0	759.2	696.1	596.4	513.3	452.6	417.9	392.2	374.6
65°	432.9	519.3	607.1	624.5	566.2	489.2	423.5	384.0	353.1	334.4	320.3
67.5°	355.0	424.4	486.7	500.7	449.6	396.2	348.7	314.3	293.4	277.8	265.9
70°	308.9	363.9	414.8	426.2	385.3	337.7	301.5	274.1	255.3	241.9	230.6
72.5°	260.1	306.0	348.3	356.0	322.6	286.3	256.5	234.9	218.3	209.7	198.8
75°	199.0	225.8	258.6	260.6	238.5	216.4	193.7	179.6	170.9	160.2	154.8
77.5°	140.5	161.5	180.3	183.9	170.8	155.7	143.0	131.9	124.5	119.6	114.6
80°	107.2	124.0	132.0	136.7	127.3	116.6	109.3	101.9	97.1	93.8	90.5
82.5°	76.6	86.9	94.5	98.1	93.0	86.5	79.2	75.0	71.4	68.6	67.5
85°	38.9	43.5	48.3	49.6	48.3	45.5	41.5	41.5	39.5	38.9	38.9
87.5°	13.9	16.6	17.0	19.0	18.5	19.3	20.1	20.3	20.5	19.9	19.3
90°	2.9	5.0	7.1	9.2	12.2	16.1	19.9	23.7	27.7	27.3	27.0
92.5°	15.6	17.2	18.7	20.2	21.4	22.3	23.2	24.2	25.1	25.1	25.2
95°	42.8	44.5	46.4	48.1	49.1	49.5	49.8	50.2	50.5	50.5	50.5
97.5°	76.5	78.1	79.6	81.2	82.3	82.9	83.6	84.2	84.9	84.9	84.9
100°	101.7	103.0	104.4	105.8	106.8	107.3	107.9	108.4	109.0	109.0	109.0
102.5°	127.8	129.1	130.2	131.3	132.2	132.8	133.5	134.1	134.8	134.9	135.1
105°	170.3	170.8	171.3	171.8	172.3	172.6	173.0	173.3	173.7	174.0	174.4
107.5°	213.8	214.5	215.3	216.0	216.4	216.4	216.4	216.4	216.4	216.6	216.7
110°	241.8	242.9	243.9	245.0	245.5	245.5	245.5	245.5	245.5	245.5	245.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	272.2	273.2	274.2	275.3	275.7	275.6	275.5	275.3	275.2	274.8	274.3
115°	316.8	317.8	318.9	319.9	320.3	319.9	319.6	319.2	318.9	318.7	318.5
117.5°	361.6	363.0	364.5	365.9	366.1	365.1	364.2	363.1	362.1	361.7	361.3
120°	391.3	392.7	394.2	395.6	395.6	394.2	392.7	391.3	389.9	389.9	389.9
122.5°	418.8	420.5	422.1	423.8	424.1	423.2	422.2	421.2	420.2	419.8	419.4
125°	461.0	462.5	464.1	465.7	466.3	465.7	465.1	464.6	464.1	463.6	463.1
127.5°	502.6	504.6	506.6	508.6	509.3	508.7	508.1	507.4	506.8	506.1	505.5
130°	528.8	531.1	533.3	535.6	536.5	536.2	535.8	535.5	535.2	534.8	534.5
132.5°	557.4	559.3	561.1	563.0	563.9	564.0	564.1	564.1	564.2	563.5	562.7
135°	596.3	598.2	600.2	602.1	603.2	603.6	603.9	604.3	604.6	604.5	604.3
137.5°	636.8	638.4	640.1	641.6	642.6	643.1	643.5	644.0	644.4	644.3	644.2
140°	661.5	663.1	664.6	666.2	667.4	668.3	669.2	670.0	671.0	671.0	671.0
142.5°	686.7	688.3	689.9	691.5	692.6	693.2	693.8	694.4	695.0	695.1	695.2
145°	722.7	724.0	725.2	726.4	727.5	728.6	729.6	730.6	731.7	732.0	732.1
147.5°	755.3	756.8	758.2	759.7	760.8	761.5	762.2	763.0	763.7	764.0	764.4
150°	777.0	778.0	779.1	780.1	781.0	781.7	782.4	783.2	783.9	784.4	784.9
152.5°	796.6	797.6	798.7	799.7	800.6	801.5	802.3	803.1	804.1	804.7	805.4
155°	825.4	826.0	826.5	827.0	827.5	828.0	828.6	829.1	829.6	830.5	831.3
157.5°	850.3	850.7	851.0	851.4	851.7	852.0	852.3	852.6	852.9	854.1	855.4
160°	865.5	865.9	866.2	866.6	866.8	867.0	867.2	867.4	867.5	868.6	869.6
162.5°	879.1	879.2	879.2	879.3	879.4	879.6	879.8	880.0	880.1	881.3	882.5
165°	897.4	897.2	897.0	896.8	896.7	896.7	896.7	896.7	896.7	898.0	899.2
167.5°	912.4	911.9	911.4	910.9	910.6	910.6	910.5	910.5	910.4	911.7	912.9
170°	920.7	920.1	919.6	919.1	918.7	918.6	918.4	918.2	918.0	919.3	920.5
172.5°	926.3	925.8	925.2	924.7	924.4	924.2	924.0	923.9	923.7	924.9	926.1
175°	933.3	932.7	932.2	931.7	931.3	930.9	930.6	930.2	929.9	931.1	932.3
177.5°	936.2	935.8	935.3	934.9	934.6	934.3	934.0	933.7	933.5	934.3	935.1
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5	1743.5
2.5°	1808.5	1815.9	1815.9	1817.1	1825.6	1824.5	1824.0
5°	1924.5	1935.9	1937.2	1949.3	1957.3	1954.7	1947.3
7.5°	2034.0	2055.2	2071.2	2080.2	2090.8	2097.4	2094.5
10°	2120.8	2151.6	2170.4	2183.1	2198.6	2210.0	2205.9
12.5°	2199.7	2236.3	2262.1	2283.9	2285.9	2300.6	2290.7
15°	2322.6	2361.4	2365.4	2381.5	2394.3	2392.9	2393.6
17.5°	2363.2	2375.6	2378.1	2378.5	2378.7	2374.0	2363.8
20°	2348.6	2344.0	2332.6	2323.9	2308.5	2306.4	2293.1
22.5°	2280.1	2265.2	2236.6	2217.8	2193.7	2187.5	2183.7
25°	2145.0	2112.1	2066.6	2023.0	2010.9	1987.5	1994.2
27.5°	1959.6	1908.4	1859.1	1823.7	1791.7	1756.6	1766.7
30°	1829.4	1771.7	1702.0	1648.4	1614.3	1580.7	1574.7
32.5°	1673.9	1589.4	1511.8	1464.5	1412.2	1391.0	1367.8
35°	1405.8	1323.4	1246.4	1180.0	1141.9	1112.4	1085.5
37.5°	1164.8	1069.9	1007.6	953.9	926.3	909.5	913.7
40°	1015.2	932.1	886.6	845.7	820.2	808.1	810.8
42.5°	894.0	831.8	794.4	766.3	748.3	741.6	740.0
45°	756.5	721.6	690.8	674.8	666.1	658.7	654.0
47.5°	662.7	634.3	616.9	607.3	599.8	592.2	592.1
50°	606.4	587.6	575.6	565.5	559.6	554.2	558.9
52.5°	563.5	546.4	534.3	525.3	523.1	518.3	518.2
55°	499.9	486.5	477.8	469.7	465.7	463.0	459.7
57.5°	442.0	429.3	421.2	416.2	408.5	405.8	404.8
60°	400.7	390.6	382.6	375.9	372.5	367.2	367.2
62.5°	362.6	352.6	345.1	340.0	334.5	332.3	333.0
65°	307.6	299.5	292.2	286.8	285.5	281.4	282.8
67.5°	256.9	251.6	243.8	240.9	238.3	236.1	234.5
70°	223.2	217.8	213.8	209.7	207.7	207.7	207.7
72.5°	194.7	188.3	185.9	180.8	182.0	179.9	177.7
75°	150.8	146.7	144.7	142.7	139.4	139.4	139.4
77.5°	111.0	109.8	107.3	105.2	104.4	103.7	104.0
80°	85.7	85.1	83.7	83.7	82.4	81.8	80.4
82.5°	65.9	64.2	63.4	62.8	62.6	62.4	62.2
85°	37.6	36.2	36.2	36.9	35.5	35.5	36.2
87.5°	19.8	19.7	19.2	19.2	19.8	19.3	19.3
90°	26.6	26.3	26.2	26.4	26.5	26.7	26.9
92.5°	25.3	25.3	25.4	25.4	25.5	25.5	25.5
95°	50.5	50.5	50.4	50.0	49.7	49.3	49.0
97.5°	84.9	84.9	84.9	84.9	84.8	84.8	84.7
100°	109.0	109.0	108.9	108.7	108.5	108.4	108.2
102.5°	135.2	135.4	135.3	135.2	135.0	134.8	134.6
105°	174.7	175.1	175.2	175.2	175.2	175.2	175.2
107.5°	216.8	217.0	216.7	215.9	215.1	214.3	213.5
110°	245.5	245.5	245.2	244.7	244.2	243.7	243.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	273.9	273.5	273.1	272.7	272.3	272.0	271.6
115°	318.4	318.2	317.8	317.3	316.8	316.3	315.8
117.5°	360.9	360.4	360.0	359.5	358.9	358.4	357.9
120°	389.9	389.9	389.7	389.1	388.6	388.1	387.6
122.5°	419.0	418.6	418.2	417.8	417.4	417.0	416.7
125°	462.5	462.0	461.7	461.5	461.3	461.2	461.0
127.5°	504.8	504.2	503.6	503.1	502.5	502.0	501.4
130°	534.1	533.8	533.2	532.5	531.9	531.2	530.5
132.5°	561.9	561.2	560.5	559.9	559.4	558.8	558.3
135°	604.1	603.9	603.6	603.1	602.6	602.0	601.5
137.5°	644.0	643.9	643.5	642.8	642.1	641.4	640.7
140°	671.0	671.0	670.6	669.9	669.2	668.5	667.8
142.5°	695.4	695.5	695.2	694.5	693.8	693.2	692.5
145°	732.3	732.5	732.2	731.4	730.7	730.0	729.3
147.5°	764.8	765.2	765.1	764.4	763.7	763.1	762.3
150°	785.4	786.0	786.0	785.4	784.9	784.4	783.9
152.5°	806.1	806.7	806.7	806.1	805.4	804.7	804.1
155°	832.2	833.1	833.3	832.7	832.2	831.7	831.2
157.5°	856.6	857.8	857.9	857.1	856.3	855.4	854.5
160°	870.7	871.7	871.9	871.2	870.5	869.8	869.1
162.5°	883.7	884.9	885.0	884.2	883.4	882.5	881.7
165°	900.4	901.6	901.8	900.9	900.0	899.2	898.3
167.5°	914.1	915.3	915.5	914.6	913.7	912.8	911.9
170°	921.7	922.9	923.0	922.0	920.9	919.9	918.8
172.5°	927.4	928.6	928.7	927.7	926.6	925.5	924.5
175°	933.5	934.7	934.8	933.8	932.7	931.7	930.7
177.5°	936.0	936.9	936.9	936.0	935.1	934.3	933.5
180°	935.3	935.3	935.3	935.3	935.3	935.3	935.3

(END OF REPORT)