

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: P331724-830

Luminaire Tested: **SA2XXRDIP-C865D925U830-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331724-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA2XXRDIP-C865D925U830-4F0-1E-UDD-A1  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

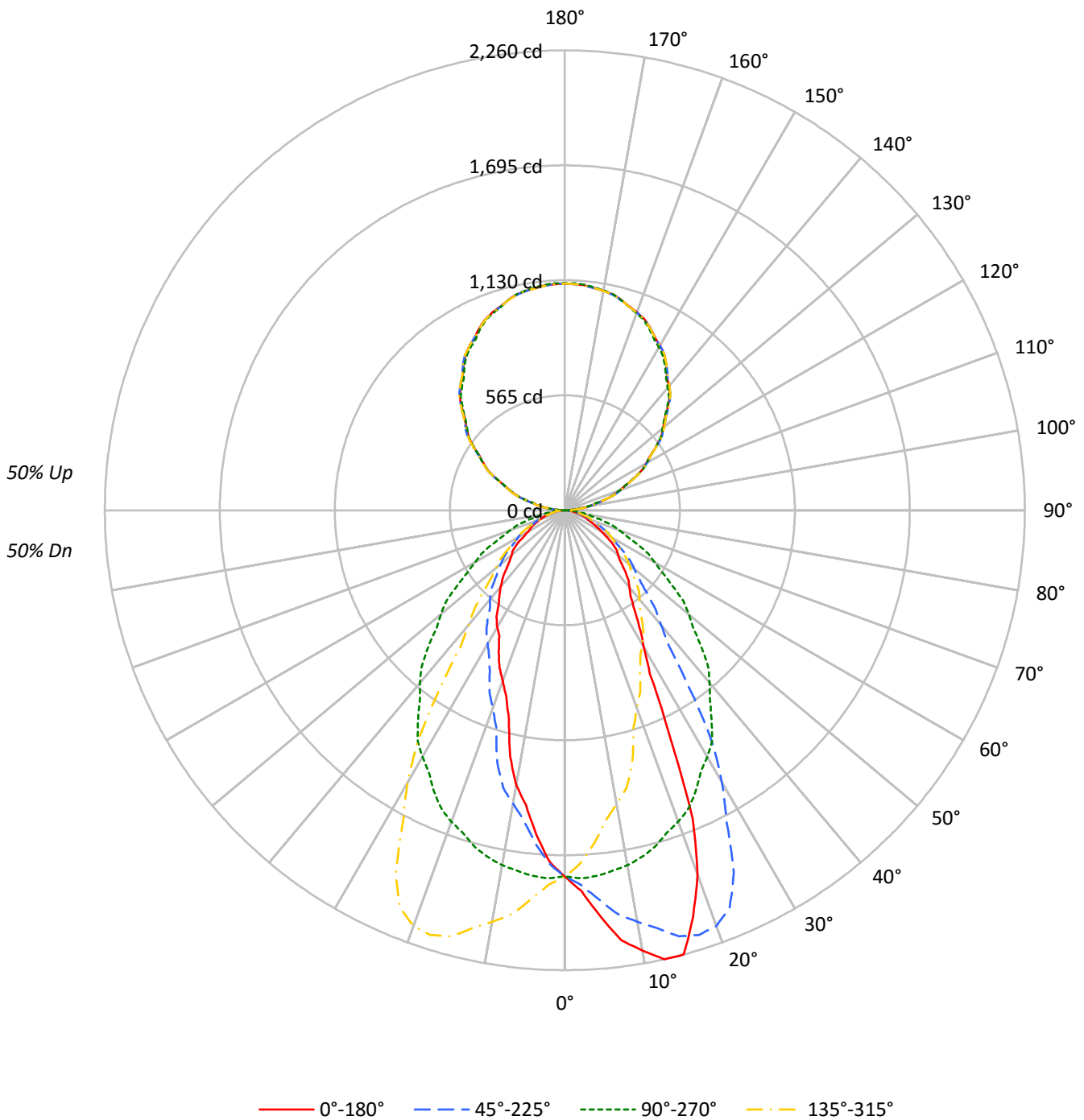
Lumens per Lamp: N/A  
Luminaire Lumens: 6231.7 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 60.5  
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	99	94	91	88	91	87	84	82	74	72	70	62	60	59	51	50	49	44
2	90	83	78	73	83	77	72	68	66	62	59	55	53	51	46	44	42	38
3	83	74	67	62	76	69	63	58	59	54	51	50	47	44	41	39	37	33
4	76	66	59	53	70	62	55	50	53	48	44	45	41	38	37	35	33	29
5	70	59	52	46	65	55	49	44	48	43	39	41	37	34	34	31	29	26
6	65	54	46	41	60	50	43	38	44	38	34	37	33	30	31	28	26	23
7	61	49	41	36	56	46	39	34	40	34	31	34	30	27	29	26	24	21
8	56	45	37	32	52	42	35	31	37	31	28	32	27	25	27	24	22	19
9	53	41	34	29	49	38	32	28	34	29	25	29	25	22	25	22	20	18
10	49	38	31	26	46	36	29	25	31	26	23	27	23	20	23	20	18	16

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

	0°	90°	180°	270°
0°	29061	29061	29061	29061
5°	32456	29242	25929	29242
10°	36008	29037	22474	29037
15°	37778	28612	17708	28612
20°	32752	27981	15323	27981
25°	21480	27118	13682	27118
30°	14458	26071	12381	26071
35°	11710	24750	11168	24750
40°	10414	23317	10334	23317
45°	9423	21633	9225	21633
50°	8578	19964	8545	19964
55°	8062	18117	7958	18117
60°	6746	16417	6665	16417
65°	5685	14907	6449	14907
70°	5254	13312	6080	13312
75°	4916	11591	5614	11591
80°	4537	9530	5002	9530
85°	4168	7521	4409	7521



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.6	2.7
10°-20°	475.4	7.6
20°-30°	612.6	9.8
30°-40°	582.2	9.3
40°-50°	498.7	8.0
50°-60°	379.8	6.1
60°-70°	240.1	3.9
70°-80°	119.9	1.9
80°-90°	35.7	0.6
90°-100°	70.6	1.1
100°-110°	219.4	3.5
110°-120°	375.0	6.0
120°-130°	493.1	7.9
130°-140°	553.4	8.9
140°-150°	542.7	8.7
150°-160°	455.2	7.3
160°-170°	301.9	4.8
170°-180°	105.5	1.7
0°-30°	1258.6	20.2
0°-40°	1840.8	29.5
0°-60°	2719.4	43.6
0°-90°	3115.0	50.0
90°-120°	665.0	10.7
90°-150°	2254.1	36.2
90°-180°	3117.0	50.0
0°-180°	6231.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1800	1800	1800	1800	1800	
5°	2002	1804	1600	1804	2002	198
15°	2260	1712	1059	1712	2260	610
25°	1206	1522	768	1522	1206	572
35°	594	1256	567	1256	594	380
45°	413	947	404	947	413	319
55°	286	644	283	644	286	251
65°	149	390	169	390	149	152
75°	79	186	90	186	79	84
85°	22	41	24	41	22	25
90°	32	1	32	1	32	15
95°	58	49	58	49	58	65
105°	209	202	209	202	209	220
115°	376	376	376	376	376	372
125°	549	547	549	547	549	490
135°	717	708	717	708	717	552
145°	869	860	869	860	869	543
155°	990	983	990	983	990	456
165°	1070	1070	1070	1070	1070	302
175°	1109	1113	1109	1113	1109	105
180°	1115	1115	1115	1115	1115	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1872.9	1874.4	1875.9	1872.4	1872.4	1869.4	1862.9	1857.9	1843.9	1841.9	1841.9
5°	2002.5	2001.2	2003.8	1995.6	1984.3	1981.9	1970.0	1954.4	1938.1	1920.0	1916.2
7.5°	2131.3	2129.4	2124.4	2123.1	2114.4	2095.6	2076.4	2056.1	2029.0	2002.6	1989.3
10°	2196.3	2217.0	2204.5	2182.6	2187.0	2157.6	2141.9	2115.1	2092.5	2053.1	2044.4
12.5°	2260.4	2268.5	2264.6	2252.1	2246.6	2226.1	2205.0	2181.6	2140.0	2104.7	2073.9
15°	2260.1	2272.0	2275.1	2271.4	2274.5	2273.3	2262.0	2242.6	2206.4	2167.6	2133.8
17.5°	2093.3	2101.6	2122.0	2135.9	2153.4	2190.5	2208.8	2215.8	2210.5	2188.3	2164.5
20°	1906.2	1892.4	1949.9	1979.3	2004.3	2066.9	2120.7	2141.4	2174.4	2173.9	2167.6
22.5°	1641.0	1644.3	1698.8	1733.7	1806.8	1869.3	1930.6	2008.3	2072.4	2114.8	2139.6
25°	1205.7	1229.5	1283.9	1331.4	1412.8	1529.1	1634.7	1757.4	1873.0	1964.4	2051.3
27.5°	905.6	907.3	950.5	994.4	1042.6	1137.9	1271.0	1417.4	1582.3	1718.4	1875.0
30°	775.5	771.8	789.9	816.7	858.0	931.8	1031.9	1175.7	1340.2	1545.3	1728.0
32.5°	683.4	683.6	697.3	717.2	751.5	801.3	869.8	986.7	1142.1	1343.7	1557.8
35°	594.1	593.5	603.5	617.8	632.3	664.1	711.1	772.3	879.3	1067.5	1286.4
37.5°	530.1	532.8	537.7	546.7	562.6	580.3	608.5	649.7	725.9	837.2	1021.2
40°	494.1	495.3	502.2	509.7	519.1	532.8	556.0	589.1	644.8	733.6	868.0
42.5°	461.0	462.3	467.1	474.2	481.5	495.3	514.4	543.1	588.2	657.5	768.5
45°	412.7	412.7	417.2	420.3	428.4	440.9	456.6	480.3	511.5	562.9	636.7
47.5°	367.5	367.6	370.5	375.9	381.0	390.8	406.1	425.6	448.3	488.0	551.0
50°	341.5	342.0	343.9	348.4	351.5	360.2	372.1	389.0	412.7	443.4	496.0
52.5°	320.5	320.1	322.4	324.3	326.5	332.7	341.6	356.5	377.8	404.4	447.9
55°	286.4	283.9	287.7	290.8	292.7	295.2	300.2	309.5	327.7	350.2	382.8
57.5°	243.9	242.9	245.5	248.4	254.3	261.0	265.3	271.3	280.7	296.8	329.0
60°	208.9	208.9	214.5	216.4	223.3	232.1	240.8	245.8	255.1	265.8	289.5
62.5°	177.9	178.3	181.0	182.9	186.7	197.5	209.7	220.7	229.6	239.8	255.5
65°	148.8	150.1	150.1	151.4	153.8	156.4	161.4	170.1	185.8	200.1	212.0
67.5°	126.3	126.7	127.1	128.4	128.9	131.7	133.7	137.6	141.2	154.9	169.6
70°	111.3	113.2	112.5	113.9	114.4	115.6	118.2	120.1	125.7	128.8	137.6
72.5°	97.3	98.7	98.6	99.3	100.9	101.2	103.2	105.1	108.7	111.3	116.0
75°	78.8	78.1	78.8	80.0	80.7	81.3	81.3	83.8	85.7	88.2	91.3
77.5°	60.8	61.5	61.3	61.5	61.5	62.7	62.6	63.6	65.5	66.8	68.3
80°	48.8	49.4	48.8	49.4	50.0	50.6	50.0	50.6	52.5	53.8	53.8
82.5°	37.8	37.9	38.3	38.4	38.5	38.6	39.5	39.7	41.0	40.8	41.3
85°	22.5	21.9	21.9	21.9	22.5	23.1	22.5	22.5	23.1	23.1	23.1
87.5°	14.4	14.9	14.8	14.8	14.7	14.8	14.8	15.5	15.0	15.6	14.1
90°	32.0	31.8	31.6	31.4	31.1	31.3	31.7	32.0	32.5	32.9	28.3
92.5°	30.4	30.4	30.3	30.3	30.3	30.3	30.2	30.1	30.0	29.9	28.8
95°	58.3	58.7	59.2	59.6	59.9	60.2	60.2	60.2	60.2	60.2	59.8
97.5°	101.0	101.0	101.1	101.1	101.2	101.2	101.2	101.2	101.2	101.2	100.4
100°	128.8	129.0	129.3	129.5	129.7	129.8	129.8	129.8	129.8	129.8	129.2
102.5°	160.5	160.7	160.9	161.1	161.3	161.4	161.2	161.0	160.8	160.7	159.9
105°	208.8	208.8	208.8	208.8	208.8	208.6	208.2	207.7	207.4	206.9	206.5
107.5°	254.3	255.3	256.3	257.2	258.2	258.5	258.4	258.3	258.1	257.9	257.9
110°	289.7	290.3	291.0	291.6	292.2	292.6	292.6	292.6	292.6	292.6	292.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	323.6	324.0	324.5	325.0	325.4	325.9	326.4	326.9	327.4	327.9	328.1
115°	376.3	376.8	377.5	378.1	378.7	379.2	379.4	379.6	379.8	380.0	380.4
117.5°	426.5	427.1	427.7	428.4	429.0	429.5	430.1	430.6	431.0	431.6	432.7
120°	461.8	462.5	463.1	463.7	464.4	464.7	464.7	464.7	464.7	464.7	466.4
122.5°	496.4	496.9	497.4	497.9	498.3	498.8	499.3	499.7	500.3	500.8	502.0
125°	549.3	549.5	549.7	550.0	550.2	550.5	551.2	551.9	552.4	553.1	553.7
127.5°	597.5	598.1	598.8	599.5	600.1	600.9	601.6	602.4	603.1	603.9	604.6
130°	632.1	632.9	633.8	634.6	635.5	636.0	636.5	636.9	637.3	637.7	638.2
132.5°	665.2	665.9	666.6	667.2	667.9	668.6	669.6	670.5	671.5	672.3	672.2
135°	716.7	717.4	718.0	718.6	719.3	719.6	719.9	720.1	720.3	720.5	720.1
137.5°	763.4	764.2	765.1	765.9	766.8	767.2	767.4	767.6	767.8	767.9	767.4
140°	795.8	796.6	797.4	798.2	799.1	799.6	799.6	799.6	799.6	799.6	798.5
142.5°	825.1	826.0	826.8	827.6	828.5	828.8	828.6	828.5	828.3	828.1	827.4
145°	869.1	870.0	870.8	871.7	872.5	872.8	872.6	872.3	872.1	871.9	870.7
147.5°	908.4	909.3	910.0	910.9	911.6	911.8	911.3	910.9	910.4	909.9	909.1
150°	934.1	934.6	935.3	935.9	936.5	936.5	935.9	935.3	934.6	934.1	933.2
152.5°	958.1	958.9	959.7	960.5	961.3	961.3	960.5	959.7	958.9	958.1	957.1
155°	990.4	991.1	991.7	992.3	993.0	992.8	991.7	990.7	989.7	988.5	988.0
157.5°	1018.3	1019.3	1020.3	1021.3	1022.3	1022.1	1020.7	1019.3	1017.9	1016.4	1016.1
160°	1035.6	1036.4	1037.3	1038.1	1039.0	1038.8	1037.5	1036.2	1035.0	1033.7	1033.5
162.5°	1050.7	1051.7	1052.6	1053.7	1054.7	1054.4	1053.0	1051.6	1050.2	1048.8	1048.6
165°	1070.4	1071.5	1072.5	1073.6	1074.6	1074.4	1072.9	1071.5	1070.0	1068.6	1068.6
167.5°	1086.6	1087.7	1088.7	1089.9	1090.9	1090.7	1089.3	1087.8	1086.4	1084.9	1085.0
170°	1094.9	1096.1	1097.4	1098.6	1099.9	1099.8	1098.3	1096.8	1095.4	1093.9	1094.1
172.5°	1101.6	1102.9	1104.2	1105.4	1106.6	1106.5	1105.1	1103.6	1102.2	1100.7	1100.9
175°	1109.0	1110.2	1111.4	1112.8	1114.0	1113.9	1112.4	1111.0	1109.5	1108.1	1108.4
177.5°	1112.4	1113.3	1114.4	1115.4	1116.3	1116.3	1115.4	1114.4	1113.3	1112.4	1112.7
180°	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1842.9	1838.9	1835.4	1826.4	1821.8	1811.8	1810.3	1809.9	1796.9	1784.3	1780.8
5°	1906.2	1896.2	1881.1	1863.7	1845.5	1826.7	1814.2	1804.2	1779.2	1755.5	1741.7
7.5°	1970.0	1948.4	1922.6	1889.4	1861.8	1830.8	1807.7	1787.1	1751.6	1717.6	1694.7
10°	2017.5	1982.4	1948.0	1902.4	1866.8	1831.7	1799.2	1771.1	1731.1	1686.0	1654.2
12.5°	2047.0	2008.5	1961.1	1916.5	1870.3	1825.7	1782.3	1746.1	1699.0	1652.6	1614.6
15°	2086.9	2045.6	1988.1	1924.3	1864.9	1806.8	1756.7	1711.7	1650.4	1594.7	1548.4
17.5°	2119.6	2062.8	2001.0	1927.2	1858.4	1784.5	1720.0	1662.6	1594.3	1527.2	1472.6
20°	2130.1	2073.8	2002.5	1928.7	1847.4	1760.5	1691.0	1628.5	1555.3	1482.1	1419.7
22.5°	2123.5	2079.8	2000.5	1912.1	1828.9	1738.0	1659.5	1587.0	1505.8	1431.2	1358.6
25°	2079.4	2064.4	1989.3	1893.0	1798.0	1692.3	1601.6	1522.2	1429.6	1349.6	1270.7
27.5°	1976.5	2008.8	1962.4	1859.7	1754.1	1640.8	1538.8	1448.4	1352.4	1262.3	1183.7
30°	1877.5	1951.8	1931.8	1836.7	1718.5	1607.2	1492.8	1398.4	1295.8	1203.2	1125.7
32.5°	1741.8	1864.7	1884.3	1804.8	1682.5	1560.2	1440.3	1346.3	1239.3	1141.7	1066.1
35°	1526.0	1709.8	1794.2	1743.6	1621.0	1489.0	1365.2	1255.7	1148.2	1051.9	976.9
37.5°	1268.4	1518.8	1659.5	1663.1	1550.6	1413.3	1278.6	1169.9	1059.8	965.3	884.0
40°	1101.3	1372.7	1555.9	1596.6	1501.6	1353.3	1217.0	1106.3	998.7	906.2	813.0
42.5°	951.2	1221.6	1446.9	1517.6	1442.0	1294.8	1158.0	1042.3	937.7	850.2	755.0
45°	769.2	1005.6	1253.9	1380.3	1338.3	1202.0	1057.5	947.4	849.2	773.6	682.3
47.5°	648.9	815.5	1055.7	1226.6	1225.9	1101.5	959.3	853.9	762.8	691.9	618.0
50°	580.3	725.5	928.7	1122.6	1138.8	1034.3	899.3	794.8	709.8	635.4	576.0
52.5°	518.8	638.4	821.1	1007.0	1053.3	962.8	831.8	735.4	652.8	584.4	533.5
55°	438.4	530.9	669.8	843.7	913.7	849.9	733.6	643.6	576.6	519.1	475.3
57.5°	370.9	440.3	551.7	691.6	773.3	733.1	637.2	564.0	506.7	454.7	420.1
60°	328.3	385.2	479.7	596.6	686.6	658.6	576.6	508.4	459.7	414.6	382.1
62.5°	288.3	337.2	418.1	513.0	595.6	584.0	517.1	459.9	417.2	376.1	348.6
65°	232.1	267.7	330.8	405.3	471.6	477.2	429.0	390.2	352.1	319.6	295.2
67.5°	184.7	208.0	252.5	315.2	364.9	382.6	353.2	323.6	293.3	268.2	247.0
70°	155.7	174.5	207.0	257.7	303.3	322.1	305.2	282.0	255.8	235.2	217.0
72.5°	126.2	144.5	168.4	205.7	244.8	265.0	259.2	242.5	221.2	204.2	187.0
75°	95.1	100.7	117.0	141.9	172.6	190.1	194.5	185.8	168.8	155.7	145.7
77.5°	70.3	73.7	81.4	94.5	114.6	130.2	136.6	135.5	123.9	116.3	107.0
80°	56.3	58.2	61.9	67.6	82.6	98.2	102.5	102.5	94.4	91.3	81.9
82.5°	42.8	44.1	46.4	49.5	56.6	70.1	75.0	76.1	70.9	66.8	59.4
85°	24.4	23.8	25.0	26.9	28.2	31.9	39.4	40.6	39.4	34.4	32.5
87.5°	13.3	12.8	11.9	10.7	10.7	10.7	12.7	14.7	13.2	12.2	11.7
90°	23.8	19.1	14.5	10.9	8.5	5.9	3.5	0.9	3.5	5.9	8.5
92.5°	27.7	26.7	25.5	24.1	22.2	20.5	18.6	16.8	18.6	20.5	22.2
95°	59.4	58.9	58.5	57.3	55.1	53.1	51.0	48.9	51.0	53.1	55.1
97.5°	99.6	98.9	98.0	96.7	94.9	93.0	91.2	89.4	91.2	93.0	94.9
100°	128.6	127.9	127.3	126.1	124.5	122.8	121.1	119.4	121.1	122.8	124.5
102.5°	159.1	158.3	157.5	156.4	155.0	153.7	152.4	151.1	152.4	153.7	155.0
105°	206.1	205.7	205.3	204.7	204.2	203.5	202.8	202.3	202.8	203.5	204.2
107.5°	257.9	257.9	257.9	257.5	256.6	255.6	254.7	253.7	254.7	255.6	256.6
110°	292.6	292.6	292.6	291.9	290.7	289.4	288.1	286.9	288.1	289.4	290.7





TEST NUMBER: P331724-830  
 CATALOG NUMBER: SA2XXRDIP-C865D925U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	328.2	328.4	328.6	328.0	326.8	325.6	324.2	323.0	324.2	325.6	326.8
115°	380.9	381.3	381.6	381.3	380.0	378.7	377.5	376.3	377.5	378.7	380.0
117.5°	433.9	435.1	436.2	436.0	434.3	432.6	430.9	429.3	430.9	432.6	434.3
120°	468.0	469.7	471.4	471.4	469.7	468.0	466.4	464.7	466.4	468.0	469.7
122.5°	503.1	504.3	505.5	505.0	503.0	501.1	499.0	497.0	499.0	501.1	503.0
125°	554.3	555.0	555.6	555.0	553.1	551.2	549.3	547.4	549.3	551.2	553.1
127.5°	605.4	606.1	606.9	606.1	603.7	601.3	598.9	596.5	598.9	601.3	603.7
130°	638.6	638.9	639.4	638.3	635.6	632.8	630.1	627.4	630.1	632.8	635.6
132.5°	672.2	672.1	672.0	670.9	668.6	666.5	664.2	662.0	664.2	666.5	668.6
135°	719.6	719.3	718.9	717.5	715.2	712.8	710.6	708.3	710.6	712.8	715.2
137.5°	766.9	766.3	765.7	764.5	762.6	760.7	758.8	757.1	758.8	760.7	762.6
140°	797.4	796.4	795.3	793.9	792.0	790.1	788.2	786.4	788.2	790.1	792.0
142.5°	826.7	826.0	825.3	824.0	822.1	820.2	818.3	816.4	818.3	820.2	822.1
145°	869.4	868.2	867.0	865.5	864.1	862.6	861.2	859.7	861.2	862.6	864.1
147.5°	908.2	907.5	906.6	905.3	903.5	901.8	900.0	898.2	900.0	901.8	903.5
150°	932.4	931.5	930.7	929.6	928.4	927.1	925.9	924.6	925.9	927.1	928.4
152.5°	956.1	955.1	954.1	953.0	951.7	950.5	949.2	947.9	949.2	950.5	951.7
155°	987.3	986.7	986.1	985.4	984.9	984.2	983.5	983.0	983.5	984.2	984.9
157.5°	1015.7	1015.3	1014.9	1014.6	1014.1	1013.7	1013.2	1012.9	1013.2	1013.7	1014.1
160°	1033.3	1033.1	1032.9	1032.6	1032.2	1031.7	1031.3	1031.0	1031.3	1031.7	1032.2
162.5°	1048.4	1048.2	1047.9	1047.8	1047.7	1047.6	1047.5	1047.4	1047.5	1047.6	1047.7
165°	1068.6	1068.6	1068.6	1068.7	1068.8	1069.0	1069.3	1069.5	1069.3	1069.0	1068.8
167.5°	1085.0	1085.1	1085.1	1085.4	1086.0	1086.7	1087.3	1087.9	1087.3	1086.7	1086.0
170°	1094.4	1094.6	1094.8	1095.1	1095.8	1096.5	1097.0	1097.7	1097.0	1096.5	1095.8
172.5°	1101.1	1101.4	1101.5	1101.9	1102.6	1103.2	1103.8	1104.5	1103.8	1103.2	1102.6
175°	1108.9	1109.3	1109.7	1110.2	1110.9	1111.4	1112.1	1112.8	1112.1	1111.4	1110.9
177.5°	1113.0	1113.3	1113.7	1114.1	1114.7	1115.1	1115.6	1116.2	1115.6	1115.1	1114.7
180°	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7



TEST NUMBER: P331724-830

CATALOG NUMBER: SA2XXRDIP-C865D925U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1774.3	1770.8	1764.3	1754.4	1748.3	1737.9	1730.8	1734.8	1735.8	1734.8	1733.8
5°	1726.6	1713.5	1695.4	1677.9	1661.6	1644.2	1634.1	1629.8	1621.0	1616.0	1613.5
7.5°	1669.1	1646.4	1620.7	1590.3	1564.3	1537.2	1523.3	1516.5	1498.5	1488.7	1480.3
10°	1626.0	1590.4	1564.7	1524.7	1500.3	1464.6	1440.3	1440.9	1416.5	1402.7	1392.7
12.5°	1578.5	1539.4	1496.7	1460.7	1426.7	1398.1	1368.8	1356.8	1331.0	1317.7	1290.6
15°	1499.7	1454.1	1409.0	1360.2	1325.8	1281.4	1238.9	1186.9	1145.1	1108.8	1098.8
17.5°	1413.6	1357.1	1311.9	1254.6	1195.7	1121.1	1071.8	1041.6	1016.3	997.2	983.0
20°	1354.6	1297.0	1248.9	1162.6	1083.2	1032.6	996.3	973.1	946.9	926.2	914.9
22.5°	1292.5	1232.5	1166.9	1070.5	1008.6	968.0	935.7	909.1	891.3	875.2	864.9
25°	1204.5	1138.8	1030.7	964.3	914.3	871.8	849.2	833.0	814.3	792.4	782.3
27.5°	1111.4	1007.0	929.3	880.1	832.3	804.6	784.4	760.1	743.3	733.5	723.0
30°	1041.9	937.5	876.8	823.0	789.2	758.6	734.8	721.0	704.8	688.0	681.1
32.5°	964.3	880.9	822.7	778.0	743.7	717.6	698.8	676.6	664.8	654.4	640.0
35°	868.0	804.8	751.7	715.5	683.0	661.7	639.8	626.6	605.4	596.6	591.0
37.5°	786.5	731.7	692.0	653.7	628.0	604.5	591.1	570.2	561.0	548.8	537.0
40°	740.5	686.6	648.6	617.3	588.5	571.0	554.1	537.2	523.5	517.8	503.4
42.5°	693.4	649.7	611.5	577.2	558.0	539.4	518.1	505.7	491.4	482.3	473.4
45°	628.5	589.7	557.2	529.0	507.8	488.4	474.7	454.0	445.9	427.7	420.3
47.5°	571.5	535.5	504.4	477.7	456.9	444.3	424.1	408.0	395.0	383.9	374.2
50°	530.9	501.0	470.9	447.1	428.4	410.3	389.6	381.4	361.5	355.8	350.2
52.5°	493.9	465.4	437.9	414.6	395.9	378.2	360.1	349.5	335.9	330.4	326.2
55°	442.1	414.6	388.3	367.7	348.9	330.8	319.6	306.4	300.2	295.8	290.8
57.5°	390.1	365.3	345.3	324.3	305.5	291.1	278.1	270.1	263.6	257.9	251.9
60°	357.1	333.3	315.2	295.8	276.4	264.6	254.5	245.2	237.6	228.8	226.4
62.5°	322.1	301.3	284.6	265.8	248.9	238.0	228.5	219.6	210.7	197.8	194.4
65°	273.9	257.7	240.2	224.5	209.5	198.9	185.1	175.1	171.4	170.1	169.5
67.5°	230.4	215.0	200.0	184.0	170.3	160.5	153.4	151.9	149.3	148.5	146.8
70°	201.3	187.0	172.0	156.9	143.8	141.9	139.5	137.0	133.8	132.6	131.3
72.5°	175.3	160.5	145.4	133.5	127.8	125.5	122.9	120.5	118.3	117.1	116.3
75°	134.5	120.7	110.7	106.3	103.2	101.3	97.6	95.7	94.4	92.6	91.9
77.5°	96.8	89.1	84.5	81.7	78.4	76.4	74.3	72.4	71.1	70.7	69.7
80°	73.8	70.0	66.9	63.2	61.9	59.4	58.8	56.9	57.5	55.7	55.7
82.5°	57.3	52.5	49.9	48.2	46.9	44.9	44.3	43.4	43.5	42.1	42.1
85°	29.4	28.2	26.9	25.6	25.6	23.8	24.4	23.8	23.8	22.5	21.9
87.5°	11.7	11.9	11.9	12.7	13.7	14.0	14.0	13.4	13.4	13.3	12.7
90°	10.9	14.5	19.1	23.8	28.3	32.9	32.5	32.0	31.7	31.3	31.1
92.5°	24.1	25.5	26.7	27.7	28.8	29.9	30.0	30.1	30.2	30.3	30.3
95°	57.3	58.5	58.9	59.4	59.8	60.2	60.2	60.2	60.2	60.2	59.9
97.5°	96.7	98.0	98.9	99.6	100.4	101.2	101.2	101.2	101.2	101.2	101.2
100°	126.1	127.3	127.9	128.6	129.2	129.8	129.8	129.8	129.8	129.8	129.7
102.5°	156.4	157.5	158.3	159.1	159.9	160.7	160.8	161.0	161.2	161.4	161.3
105°	204.7	205.3	205.7	206.1	206.5	206.9	207.4	207.7	208.2	208.6	208.8
107.5°	257.5	257.9	257.9	257.9	257.9	257.9	258.1	258.3	258.4	258.5	258.2
110°	291.9	292.6	292.6	292.6	292.6	292.6	292.6	292.6	292.6	292.6	292.2



TEST NUMBER: P331724-830

CATALOG NUMBER: SA2XXRDIP-C865D925U830-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	328.0	328.6	328.4	328.2	328.1	327.9	327.4	326.9	326.4	325.9	325.4
115°	381.3	381.6	381.3	380.9	380.4	380.0	379.8	379.6	379.4	379.2	378.7
117.5°	436.0	436.2	435.1	433.9	432.7	431.6	431.0	430.6	430.1	429.5	429.0
120°	471.4	471.4	469.7	468.0	466.4	464.7	464.7	464.7	464.7	464.7	464.4
122.5°	505.0	505.5	504.3	503.1	502.0	500.8	500.3	499.7	499.3	498.8	498.3
125°	555.0	555.6	555.0	554.3	553.7	553.1	552.4	551.9	551.2	550.5	550.2
127.5°	606.1	606.9	606.1	605.4	604.6	603.9	603.1	602.4	601.6	600.9	600.1
130°	638.3	639.4	638.9	638.6	638.2	637.7	637.3	636.9	636.5	636.0	635.5
132.5°	670.9	672.0	672.1	672.2	672.2	672.3	671.5	670.5	669.6	668.6	667.9
135°	717.5	718.9	719.3	719.6	720.1	720.5	720.3	720.1	719.9	719.6	719.3
137.5°	764.5	765.7	766.3	766.9	767.4	767.9	767.8	767.6	767.4	767.2	766.8
140°	793.9	795.3	796.4	797.4	798.5	799.6	799.6	799.6	799.6	799.6	799.1
142.5°	824.0	825.3	826.0	826.7	827.4	828.1	828.3	828.5	828.6	828.8	828.5
145°	865.5	867.0	868.2	869.4	870.7	871.9	872.1	872.3	872.6	872.8	872.5
147.5°	905.3	906.6	907.5	908.2	909.1	909.9	910.4	910.9	911.3	911.8	911.6
150°	929.6	930.7	931.5	932.4	933.2	934.1	934.6	935.3	935.9	936.5	936.5
152.5°	953.0	954.1	955.1	956.1	957.1	958.1	958.9	959.7	960.5	961.3	961.3
155°	985.4	986.1	986.7	987.3	988.0	988.5	989.7	990.7	991.7	992.8	993.0
157.5°	1014.6	1014.9	1015.3	1015.7	1016.1	1016.4	1017.9	1019.3	1020.7	1022.1	1022.3
160°	1032.6	1032.9	1033.1	1033.3	1033.5	1033.7	1035.0	1036.2	1037.5	1038.8	1039.0
162.5°	1047.8	1047.9	1048.2	1048.4	1048.6	1048.8	1050.2	1051.6	1053.0	1054.4	1054.7
165°	1068.7	1068.6	1068.6	1068.6	1068.6	1068.6	1070.0	1071.5	1072.9	1074.4	1074.6
167.5°	1085.4	1085.1	1085.1	1085.0	1085.0	1084.9	1086.4	1087.8	1089.3	1090.7	1090.9
170°	1095.1	1094.8	1094.6	1094.4	1094.1	1093.9	1095.4	1096.8	1098.3	1099.8	1099.9
172.5°	1101.9	1101.5	1101.4	1101.1	1100.9	1100.7	1102.2	1103.6	1105.1	1106.5	1106.6
175°	1110.2	1109.7	1109.3	1108.9	1108.4	1108.1	1109.5	1111.0	1112.4	1113.9	1114.0
177.5°	1114.1	1113.7	1113.3	1113.0	1112.7	1112.4	1113.3	1114.4	1115.4	1116.3	1116.3
180°	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7



TEST NUMBER: P331724-830  
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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1728.3	1729.3	1727.8	1728.8	1727.8	1729.3	1728.3	1733.8	1734.8	1735.8	1734.8
5°	1610.3	1602.9	1601.6	1599.8	1601.6	1602.9	1610.3	1613.5	1616.0	1621.0	1629.8
7.5°	1469.5	1468.4	1465.3	1460.9	1465.3	1468.4	1469.5	1480.3	1488.7	1498.5	1516.5
10°	1378.9	1375.8	1375.3	1370.8	1375.3	1375.8	1378.9	1392.7	1402.7	1416.5	1440.9
12.5°	1272.9	1252.7	1250.7	1239.7	1250.7	1252.7	1272.9	1290.6	1317.7	1331.0	1356.8
15°	1083.8	1080.1	1067.5	1059.4	1067.5	1080.1	1083.8	1098.8	1108.8	1145.1	1186.9
17.5°	975.7	963.5	959.6	957.8	959.6	963.5	975.7	983.0	997.2	1016.3	1041.6
20°	906.2	894.9	893.1	891.8	893.1	894.9	906.2	914.9	926.2	946.9	973.1
22.5°	858.2	846.4	841.5	837.7	841.5	846.4	858.2	864.9	875.2	891.3	909.1
25°	776.1	771.8	769.2	768.0	769.2	771.8	776.1	782.3	792.4	814.3	833.0
27.5°	711.9	702.3	700.4	697.2	700.4	702.3	711.9	723.0	733.5	743.3	760.1
30°	675.4	672.3	667.9	664.1	667.9	672.3	675.4	681.1	688.0	704.8	721.0
32.5°	632.4	629.8	625.8	624.2	625.8	629.8	632.4	640.0	654.4	664.8	676.6
35°	584.8	576.0	572.2	566.6	572.2	576.0	584.8	591.0	596.6	605.4	626.6
37.5°	534.3	529.7	524.4	526.3	524.4	529.7	534.3	537.0	548.8	561.0	570.2
40°	495.3	492.2	491.0	490.3	491.0	492.2	495.3	503.4	517.8	523.5	537.2
42.5°	464.3	455.6	452.4	452.2	452.4	455.6	464.3	473.4	482.3	491.4	505.7
45°	417.2	409.0	403.4	404.0	403.4	409.0	417.2	420.3	427.7	445.9	454.0
47.5°	368.8	368.6	365.1	366.3	365.1	368.6	368.8	374.2	383.9	395.0	408.0
50°	345.8	342.0	339.6	340.2	339.6	342.0	345.8	350.2	355.8	361.5	381.4
52.5°	323.9	320.6	318.6	321.2	318.6	320.6	323.9	326.2	330.4	335.9	349.5
55°	287.7	283.9	283.3	282.7	283.3	283.9	287.7	290.8	295.8	300.2	306.4
57.5°	247.3	244.8	241.0	239.4	241.0	244.8	247.3	251.9	257.9	263.6	270.1
60°	218.3	213.3	207.0	206.4	207.0	213.3	218.3	226.4	228.8	237.6	245.2
62.5°	191.7	190.8	189.5	189.4	189.5	190.8	191.7	194.4	197.8	210.7	219.6
65°	168.2	167.6	168.2	168.8	168.2	167.6	168.2	169.5	170.1	171.4	175.1
67.5°	146.6	145.4	144.3	144.9	144.3	145.4	146.6	146.8	148.5	149.3	151.9
70°	130.1	129.4	128.8	128.8	128.8	129.4	130.1	131.3	132.6	133.8	137.0
72.5°	114.0	114.0	113.3	112.8	113.3	114.0	114.0	116.3	117.1	118.3	120.5
75°	91.3	90.0	90.0	90.0	90.0	90.0	91.3	91.9	92.6	94.4	95.7
77.5°	69.6	68.9	68.3	67.8	68.3	68.9	69.6	69.7	70.7	71.1	72.4
80°	55.0	54.4	53.8	53.8	53.8	54.4	55.0	55.7	55.7	57.5	56.9
82.5°	42.0	41.4	41.3	40.8	41.3	41.4	42.0	42.1	42.1	43.5	43.4
85°	22.5	23.1	22.5	23.8	22.5	23.1	22.5	21.9	22.5	23.8	23.8
87.5°	12.8	12.3	12.8	12.4	12.8	12.3	12.8	12.7	13.3	13.4	13.4
90°	31.4	31.6	31.8	32.0	31.8	31.6	31.4	31.1	31.3	31.7	32.0
92.5°	30.3	30.3	30.4	30.4	30.4	30.3	30.3	30.3	30.3	30.2	30.1
95°	59.6	59.2	58.7	58.3	58.7	59.2	59.6	59.9	60.2	60.2	60.2
97.5°	101.1	101.1	101.0	101.0	101.0	101.1	101.1	101.2	101.2	101.2	101.2
100°	129.5	129.3	129.0	128.8	129.0	129.3	129.5	129.7	129.8	129.8	129.8
102.5°	161.1	160.9	160.7	160.5	160.7	160.9	161.1	161.3	161.4	161.2	161.0
105°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.6	208.2	207.7
107.5°	257.2	256.3	255.3	254.3	255.3	256.3	257.2	258.2	258.5	258.4	258.3
110°	291.6	291.0	290.3	289.7	290.3	291.0	291.6	292.2	292.6	292.6	292.6



TEST NUMBER: P331724-830

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	325.0	324.5	324.0	323.6	324.0	324.5	325.0	325.4	325.9	326.4	326.9
115°	378.1	377.5	376.8	376.3	376.8	377.5	378.1	378.7	379.2	379.4	379.6
117.5°	428.4	427.7	427.1	426.5	427.1	427.7	428.4	429.0	429.5	430.1	430.6
120°	463.7	463.1	462.5	461.8	462.5	463.1	463.7	464.4	464.7	464.7	464.7
122.5°	497.9	497.4	496.9	496.4	496.9	497.4	497.9	498.3	498.8	499.3	499.7
125°	550.0	549.7	549.5	549.3	549.5	549.7	550.0	550.2	550.5	551.2	551.9
127.5°	599.5	598.8	598.1	597.5	598.1	598.8	599.5	600.1	600.9	601.6	602.4
130°	634.6	633.8	632.9	632.1	632.9	633.8	634.6	635.5	636.0	636.5	636.9
132.5°	667.2	666.6	665.9	665.2	665.9	666.6	667.2	667.9	668.6	669.6	670.5
135°	718.6	718.0	717.4	716.7	717.4	718.0	718.6	719.3	719.6	719.9	720.1
137.5°	765.9	765.1	764.2	763.4	764.2	765.1	765.9	766.8	767.2	767.4	767.6
140°	798.2	797.4	796.6	795.8	796.6	797.4	798.2	799.1	799.6	799.6	799.6
142.5°	827.6	826.8	826.0	825.1	826.0	826.8	827.6	828.5	828.8	828.6	828.5
145°	871.7	870.8	870.0	869.1	870.0	870.8	871.7	872.5	872.8	872.6	872.3
147.5°	910.9	910.0	909.3	908.4	909.3	910.0	910.9	911.6	911.8	911.3	910.9
150°	935.9	935.3	934.6	934.1	934.6	935.3	935.9	936.5	936.5	935.9	935.3
152.5°	960.5	959.7	958.9	958.1	958.9	959.7	960.5	961.3	961.3	960.5	959.7
155°	992.3	991.7	991.1	990.4	991.1	991.7	992.3	993.0	992.8	991.7	990.7
157.5°	1021.3	1020.3	1019.3	1018.3	1019.3	1020.3	1021.3	1022.3	1022.1	1020.7	1019.3
160°	1038.1	1037.3	1036.4	1035.6	1036.4	1037.3	1038.1	1039.0	1038.8	1037.5	1036.2
162.5°	1053.7	1052.6	1051.7	1050.7	1051.7	1052.6	1053.7	1054.7	1054.4	1053.0	1051.6
165°	1073.6	1072.5	1071.5	1070.4	1071.5	1072.5	1073.6	1074.6	1074.4	1072.9	1071.5
167.5°	1089.9	1088.7	1087.7	1086.6	1087.7	1088.7	1089.9	1090.9	1090.7	1089.3	1087.8
170°	1098.6	1097.4	1096.1	1094.9	1096.1	1097.4	1098.6	1099.9	1099.8	1098.3	1096.8
172.5°	1105.4	1104.2	1102.9	1101.6	1102.9	1104.2	1105.4	1106.6	1106.5	1105.1	1103.6
175°	1112.8	1111.4	1110.2	1109.0	1110.2	1111.4	1112.8	1114.0	1113.9	1112.4	1111.0
177.5°	1115.4	1114.4	1113.3	1112.4	1113.3	1114.4	1115.4	1116.3	1116.3	1115.4	1114.4
180°	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7



TEST NUMBER: P331724-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1730.8	1737.9	1748.3	1754.4	1764.3	1770.8	1774.3	1780.8	1784.3	1796.9	1809.9
5°	1634.1	1644.2	1661.6	1677.9	1695.4	1713.5	1726.6	1741.7	1755.5	1779.2	1804.2
7.5°	1523.3	1537.2	1564.3	1590.3	1620.7	1646.4	1669.1	1694.7	1717.6	1751.6	1787.1
10°	1440.3	1464.6	1500.3	1524.7	1564.7	1590.4	1626.0	1654.2	1686.0	1731.1	1771.1
12.5°	1368.8	1398.1	1426.7	1460.7	1496.7	1539.4	1578.5	1614.6	1652.6	1699.0	1746.1
15°	1238.9	1281.4	1325.8	1360.2	1409.0	1454.1	1499.7	1548.4	1594.7	1650.4	1711.7
17.5°	1071.8	1121.1	1195.7	1254.6	1311.9	1357.1	1413.6	1472.6	1527.2	1594.3	1662.6
20°	996.3	1032.6	1083.2	1162.6	1248.9	1297.0	1354.6	1419.7	1482.1	1555.3	1628.5
22.5°	935.7	968.0	1008.6	1070.5	1166.9	1232.5	1292.5	1358.6	1431.2	1505.8	1587.0
25°	849.2	871.8	914.3	964.3	1030.7	1138.8	1204.5	1270.7	1349.6	1429.6	1522.2
27.5°	784.4	804.6	832.3	880.1	929.3	1007.0	1111.4	1183.7	1262.3	1352.4	1448.4
30°	734.8	758.6	789.2	823.0	876.8	937.5	1041.9	1125.7	1203.2	1295.8	1398.4
32.5°	698.8	717.6	743.7	778.0	822.7	880.9	964.3	1066.1	1141.7	1239.3	1346.3
35°	639.8	661.7	683.0	715.5	751.7	804.8	868.0	976.9	1051.9	1148.2	1255.7
37.5°	591.1	604.5	628.0	653.7	692.0	731.7	786.5	884.0	965.3	1059.8	1169.9
40°	554.1	571.0	588.5	617.3	648.6	686.6	740.5	813.0	906.2	998.7	1106.3
42.5°	518.1	539.4	558.0	577.2	611.5	649.7	693.4	755.0	850.2	937.7	1042.3
45°	474.7	488.4	507.8	529.0	557.2	589.7	628.5	682.3	773.6	849.2	947.4
47.5°	424.1	444.3	456.9	477.7	504.4	535.5	571.5	618.0	691.9	762.8	853.9
50°	389.6	410.3	428.4	447.1	470.9	501.0	530.9	576.0	635.4	709.8	794.8
52.5°	360.1	378.2	395.9	414.6	437.9	465.4	493.9	533.5	584.4	652.8	735.4
55°	319.6	330.8	348.9	367.7	388.3	414.6	442.1	475.3	519.1	576.6	643.6
57.5°	278.1	291.1	305.5	324.3	345.3	365.3	390.1	420.1	454.7	506.7	564.0
60°	254.5	264.6	276.4	295.8	315.2	333.3	357.1	382.1	414.6	459.7	508.4
62.5°	228.5	238.0	248.9	265.8	284.6	301.3	322.1	348.6	376.1	417.2	459.9
65°	185.1	198.9	209.5	224.5	240.2	257.7	273.9	295.2	319.6	352.1	390.2
67.5°	153.4	160.5	170.3	184.0	200.0	215.0	230.4	247.0	268.2	293.3	323.6
70°	139.5	141.9	143.8	156.9	172.0	187.0	201.3	217.0	235.2	255.8	282.0
72.5°	122.9	125.5	127.8	133.5	145.4	160.5	175.3	187.0	204.2	221.2	242.5
75°	97.6	101.3	103.2	106.3	110.7	120.7	134.5	145.7	155.7	168.8	185.8
77.5°	74.3	76.4	78.4	81.7	84.5	89.1	96.8	107.0	116.3	123.9	135.5
80°	58.8	59.4	61.9	63.2	66.9	70.0	73.8	81.9	91.3	94.4	102.5
82.5°	44.3	44.9	46.9	48.2	49.9	52.5	57.3	59.4	66.8	70.9	76.1
85°	24.4	23.8	25.6	25.6	26.9	28.2	29.4	32.5	34.4	39.4	40.6
87.5°	14.0	14.0	13.7	12.7	11.9	11.9	11.7	11.7	12.2	13.2	14.7
90°	32.5	32.9	28.3	23.8	19.1	14.5	10.9	8.5	5.9	3.5	0.9
92.5°	30.0	29.9	28.8	27.7	26.7	25.5	24.1	22.2	20.5	18.6	16.8
95°	60.2	60.2	59.8	59.4	58.9	58.5	57.3	55.1	53.1	51.0	48.9
97.5°	101.2	101.2	100.4	99.6	98.9	98.0	96.7	94.9	93.0	91.2	89.4
100°	129.8	129.8	129.2	128.6	127.9	127.3	126.1	124.5	122.8	121.1	119.4
102.5°	160.8	160.7	159.9	159.1	158.3	157.5	156.4	155.0	153.7	152.4	151.1
105°	207.4	206.9	206.5	206.1	205.7	205.3	204.7	204.2	203.5	202.8	202.3
107.5°	258.1	257.9	257.9	257.9	257.9	257.9	257.5	256.6	255.6	254.7	253.7
110°	292.6	292.6	292.6	292.6	292.6	292.6	291.9	290.7	289.4	288.1	286.9



TEST NUMBER: P331724-830

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	327.4	327.9	328.1	328.2	328.4	328.6	328.0	326.8	325.6	324.2	323.0
115°	379.8	380.0	380.4	380.9	381.3	381.6	381.3	380.0	378.7	377.5	376.3
117.5°	431.0	431.6	432.7	433.9	435.1	436.2	436.0	434.3	432.6	430.9	429.3
120°	464.7	464.7	466.4	468.0	469.7	471.4	471.4	469.7	468.0	466.4	464.7
122.5°	500.3	500.8	502.0	503.1	504.3	505.5	505.0	503.0	501.1	499.0	497.0
125°	552.4	553.1	553.7	554.3	555.0	555.6	555.0	553.1	551.2	549.3	547.4
127.5°	603.1	603.9	604.6	605.4	606.1	606.9	606.1	603.7	601.3	598.9	596.5
130°	637.3	637.7	638.2	638.6	638.9	639.4	638.3	635.6	632.8	630.1	627.4
132.5°	671.5	672.3	672.2	672.2	672.1	672.0	670.9	668.6	666.5	664.2	662.0
135°	720.3	720.5	720.1	719.6	719.3	718.9	717.5	715.2	712.8	710.6	708.3
137.5°	767.8	767.9	767.4	766.9	766.3	765.7	764.5	762.6	760.7	758.8	757.1
140°	799.6	799.6	798.5	797.4	796.4	795.3	793.9	792.0	790.1	788.2	786.4
142.5°	828.3	828.1	827.4	826.7	826.0	825.3	824.0	822.1	820.2	818.3	816.4
145°	872.1	871.9	870.7	869.4	868.2	867.0	865.5	864.1	862.6	861.2	859.7
147.5°	910.4	909.9	909.1	908.2	907.5	906.6	905.3	903.5	901.8	900.0	898.2
150°	934.6	934.1	933.2	932.4	931.5	930.7	929.6	928.4	927.1	925.9	924.6
152.5°	958.9	958.1	957.1	956.1	955.1	954.1	953.0	951.7	950.5	949.2	947.9
155°	989.7	988.5	988.0	987.3	986.7	986.1	985.4	984.9	984.2	983.5	983.0
157.5°	1017.9	1016.4	1016.1	1015.7	1015.3	1014.9	1014.6	1014.1	1013.7	1013.2	1012.9
160°	1035.0	1033.7	1033.5	1033.3	1033.1	1032.9	1032.6	1032.2	1031.7	1031.3	1031.0
162.5°	1050.2	1048.8	1048.6	1048.4	1048.2	1047.9	1047.8	1047.7	1047.6	1047.5	1047.4
165°	1070.0	1068.6	1068.6	1068.6	1068.6	1068.6	1068.7	1068.8	1069.0	1069.3	1069.5
167.5°	1086.4	1084.9	1085.0	1085.0	1085.1	1085.1	1085.4	1086.0	1086.7	1087.3	1087.9
170°	1095.4	1093.9	1094.1	1094.4	1094.6	1094.8	1095.1	1095.8	1096.5	1097.0	1097.7
172.5°	1102.2	1100.7	1100.9	1101.1	1101.4	1101.5	1101.9	1102.6	1103.2	1103.8	1104.5
175°	1109.5	1108.1	1108.4	1108.9	1109.3	1109.7	1110.2	1110.9	1111.4	1112.1	1112.8
177.5°	1113.3	1112.4	1112.7	1113.0	1113.3	1113.7	1114.1	1114.7	1115.1	1115.6	1116.2
180°	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7



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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1810.3	1811.8	1821.8	1826.4	1835.4	1838.9	1842.9	1841.9	1841.9	1843.9	1857.9
5°	1814.2	1826.7	1845.5	1863.7	1881.1	1896.2	1906.2	1916.2	1920.0	1938.1	1954.4
7.5°	1807.7	1830.8	1861.8	1889.4	1922.6	1948.4	1970.0	1989.3	2002.6	2029.0	2056.1
10°	1799.2	1831.7	1866.8	1902.4	1948.0	1982.4	2017.5	2044.4	2053.1	2092.5	2115.1
12.5°	1782.3	1825.7	1870.3	1916.5	1961.1	2008.5	2047.0	2073.9	2104.7	2140.0	2181.6
15°	1756.7	1806.8	1864.9	1924.3	1988.1	2045.6	2086.9	2133.8	2167.6	2206.4	2242.6
17.5°	1720.0	1784.5	1858.4	1927.2	2001.0	2062.8	2119.6	2164.5	2188.3	2210.5	2215.8
20°	1691.0	1760.5	1847.4	1928.7	2002.5	2073.8	2130.1	2167.6	2173.9	2174.4	2141.4
22.5°	1659.5	1738.0	1828.9	1912.1	2000.5	2079.8	2123.5	2139.6	2114.8	2072.4	2008.3
25°	1601.6	1692.3	1798.0	1893.0	1989.3	2064.4	2079.4	2051.3	1964.4	1873.0	1757.4
27.5°	1538.8	1640.8	1754.1	1859.7	1962.4	2008.8	1976.5	1875.0	1718.4	1582.3	1417.4
30°	1492.8	1607.2	1718.5	1836.7	1931.8	1951.8	1877.5	1728.0	1545.3	1340.2	1175.7
32.5°	1440.3	1560.2	1682.5	1804.8	1884.3	1864.7	1741.8	1557.8	1343.7	1142.1	986.7
35°	1365.2	1489.0	1621.0	1743.6	1794.2	1709.8	1526.0	1286.4	1067.5	879.3	772.3
37.5°	1278.6	1413.3	1550.6	1663.1	1659.5	1518.8	1268.4	1021.2	837.2	725.9	649.7
40°	1217.0	1353.3	1501.6	1596.6	1555.9	1372.7	1101.3	868.0	733.6	644.8	589.1
42.5°	1158.0	1294.8	1442.0	1517.6	1446.9	1221.6	951.2	768.5	657.5	588.2	543.1
45°	1057.5	1202.0	1338.3	1380.3	1253.9	1005.6	769.2	636.7	562.9	511.5	480.3
47.5°	959.3	1101.5	1225.9	1226.6	1055.7	815.5	648.9	551.0	488.0	448.3	425.6
50°	899.3	1034.3	1138.8	1122.6	928.7	725.5	580.3	496.0	443.4	412.7	389.0
52.5°	831.8	962.8	1053.3	1007.0	821.1	638.4	518.8	447.9	404.4	377.8	356.5
55°	733.6	849.9	913.7	843.7	669.8	530.9	438.4	382.8	350.2	327.7	309.5
57.5°	637.2	733.1	773.3	691.6	551.7	440.3	370.9	329.0	296.8	280.7	271.3
60°	576.6	658.6	686.6	596.6	479.7	385.2	328.3	289.5	265.8	255.1	245.8
62.5°	517.1	584.0	595.6	513.0	418.1	337.2	288.3	255.5	239.8	229.6	220.7
65°	429.0	477.2	471.6	405.3	330.8	267.7	232.1	212.0	200.1	185.8	170.1
67.5°	353.2	382.6	364.9	315.2	252.5	208.0	184.7	169.6	154.9	141.2	137.6
70°	305.2	322.1	303.3	257.7	207.0	174.5	155.7	137.6	128.8	125.7	120.1
72.5°	259.2	265.0	244.8	205.7	168.4	144.5	126.2	116.0	111.3	108.7	105.1
75°	194.5	190.1	172.6	141.9	117.0	100.7	95.1	91.3	88.2	85.7	83.8
77.5°	136.6	130.2	114.6	94.5	81.4	73.7	70.3	68.3	66.8	65.5	63.6
80°	102.5	98.2	82.6	67.6	61.9	58.2	56.3	53.8	53.8	52.5	50.6
82.5°	75.0	70.1	56.6	49.5	46.4	44.1	42.8	41.3	40.8	41.0	39.7
85°	39.4	31.9	28.2	26.9	25.0	23.8	24.4	23.1	23.1	23.1	22.5
87.5°	12.7	10.7	10.7	10.7	11.9	12.8	13.3	14.1	15.6	15.0	15.5
90°	3.5	5.9	8.5	10.9	14.5	19.1	23.8	28.3	32.9	32.5	32.0
92.5°	18.6	20.5	22.2	24.1	25.5	26.7	27.7	28.8	29.9	30.0	30.1
95°	51.0	53.1	55.1	57.3	58.5	58.9	59.4	59.8	60.2	60.2	60.2
97.5°	91.2	93.0	94.9	96.7	98.0	98.9	99.6	100.4	101.2	101.2	101.2
100°	121.1	122.8	124.5	126.1	127.3	127.9	128.6	129.2	129.8	129.8	129.8
102.5°	152.4	153.7	155.0	156.4	157.5	158.3	159.1	159.9	160.7	160.8	161.0
105°	202.8	203.5	204.2	204.7	205.3	205.7	206.1	206.5	206.9	207.4	207.7
107.5°	254.7	255.6	256.6	257.5	257.9	257.9	257.9	257.9	257.9	258.1	258.3
110°	288.1	289.4	290.7	291.9	292.6	292.6	292.6	292.6	292.6	292.6	292.6





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	324.2	325.6	326.8	328.0	328.6	328.4	328.2	328.1	327.9	327.4	326.9
115°	377.5	378.7	380.0	381.3	381.6	381.3	380.9	380.4	380.0	379.8	379.6
117.5°	430.9	432.6	434.3	436.0	436.2	435.1	433.9	432.7	431.6	431.0	430.6
120°	466.4	468.0	469.7	471.4	471.4	469.7	468.0	466.4	464.7	464.7	464.7
122.5°	499.0	501.1	503.0	505.0	505.5	504.3	503.1	502.0	500.8	500.3	499.7
125°	549.3	551.2	553.1	555.0	555.6	555.0	554.3	553.7	553.1	552.4	551.9
127.5°	598.9	601.3	603.7	606.1	606.9	606.1	605.4	604.6	603.9	603.1	602.4
130°	630.1	632.8	635.6	638.3	639.4	638.9	638.6	638.2	637.7	637.3	636.9
132.5°	664.2	666.5	668.6	670.9	672.0	672.1	672.2	672.2	672.3	671.5	670.5
135°	710.6	712.8	715.2	717.5	718.9	719.3	719.6	720.1	720.5	720.3	720.1
137.5°	758.8	760.7	762.6	764.5	765.7	766.3	766.9	767.4	767.9	767.8	767.6
140°	788.2	790.1	792.0	793.9	795.3	796.4	797.4	798.5	799.6	799.6	799.6
142.5°	818.3	820.2	822.1	824.0	825.3	826.0	826.7	827.4	828.1	828.3	828.5
145°	861.2	862.6	864.1	865.5	867.0	868.2	869.4	870.7	871.9	872.1	872.3
147.5°	900.0	901.8	903.5	905.3	906.6	907.5	908.2	909.1	909.9	910.4	910.9
150°	925.9	927.1	928.4	929.6	930.7	931.5	932.4	933.2	934.1	934.6	935.3
152.5°	949.2	950.5	951.7	953.0	954.1	955.1	956.1	957.1	958.1	958.9	959.7
155°	983.5	984.2	984.9	985.4	986.1	986.7	987.3	988.0	988.5	989.7	990.7
157.5°	1013.2	1013.7	1014.1	1014.6	1014.9	1015.3	1015.7	1016.1	1016.4	1017.9	1019.3
160°	1031.3	1031.7	1032.2	1032.6	1032.9	1033.1	1033.3	1033.5	1033.7	1035.0	1036.2
162.5°	1047.5	1047.6	1047.7	1047.8	1047.9	1048.2	1048.4	1048.6	1048.8	1050.2	1051.6
165°	1069.3	1069.0	1068.8	1068.7	1068.6	1068.6	1068.6	1068.6	1068.6	1070.0	1071.5
167.5°	1087.3	1086.7	1086.0	1085.4	1085.1	1085.1	1085.0	1085.0	1084.9	1086.4	1087.8
170°	1097.0	1096.5	1095.8	1095.1	1094.8	1094.6	1094.4	1094.1	1093.9	1095.4	1096.8
172.5°	1103.8	1103.2	1102.6	1101.9	1101.5	1101.4	1101.1	1100.9	1100.7	1102.2	1103.6
175°	1112.1	1111.4	1110.9	1110.2	1109.7	1109.3	1108.9	1108.4	1108.1	1109.5	1111.0
177.5°	1115.6	1115.1	1114.7	1114.1	1113.7	1113.3	1113.0	1112.7	1112.4	1113.3	1114.4
180°	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1862.9	1869.4	1872.4	1872.4	1875.9	1874.4	1872.9
5°	1970.0	1981.9	1984.3	1995.6	2003.8	2001.2	2002.5
7.5°	2076.4	2095.6	2114.4	2123.1	2124.4	2129.4	2131.3
10°	2141.9	2157.6	2187.0	2182.6	2204.5	2217.0	2196.3
12.5°	2205.0	2226.1	2246.6	2252.1	2264.6	2268.5	2260.4
15°	2262.0	2273.3	2274.5	2271.4	2275.1	2272.0	2260.1
17.5°	2208.8	2190.5	2153.4	2135.9	2122.0	2101.6	2093.3
20°	2120.7	2066.9	2004.3	1979.3	1949.9	1892.4	1906.2
22.5°	1930.6	1869.3	1806.8	1733.7	1698.8	1644.3	1641.0
25°	1634.7	1529.1	1412.8	1331.4	1283.9	1229.5	1205.7
27.5°	1271.0	1137.9	1042.6	994.4	950.5	907.3	905.6
30°	1031.9	931.8	858.0	816.7	789.9	771.8	775.5
32.5°	869.8	801.3	751.5	717.2	697.3	683.6	683.4
35°	711.1	664.1	632.3	617.8	603.5	593.5	594.1
37.5°	608.5	580.3	562.6	546.7	537.7	532.8	530.1
40°	556.0	532.8	519.1	509.7	502.2	495.3	494.1
42.5°	514.4	495.3	481.5	474.2	467.1	462.3	461.0
45°	456.6	440.9	428.4	420.3	417.2	412.7	412.7
47.5°	406.1	390.8	381.0	375.9	370.5	367.6	367.5
50°	372.1	360.2	351.5	348.4	343.9	342.0	341.5
52.5°	341.6	332.7	326.5	324.3	322.4	320.1	320.5
55°	300.2	295.2	292.7	290.8	287.7	283.9	286.4
57.5°	265.3	261.0	254.3	248.4	245.5	242.9	243.9
60°	240.8	232.1	223.3	216.4	214.5	208.9	208.9
62.5°	209.7	197.5	186.7	182.9	181.0	178.3	177.9
65°	161.4	156.4	153.8	151.4	150.1	150.1	148.8
67.5°	133.7	131.7	128.9	128.4	127.1	126.7	126.3
70°	118.2	115.6	114.4	113.9	112.5	113.2	111.3
72.5°	103.2	101.2	100.9	99.3	98.6	98.7	97.3
75°	81.3	81.3	80.7	80.0	78.8	78.1	78.8
77.5°	62.6	62.7	61.5	61.5	61.3	61.5	60.8
80°	50.0	50.6	50.0	49.4	48.8	49.4	48.8
82.5°	39.5	38.6	38.5	38.4	38.3	37.9	37.8
85°	22.5	23.1	22.5	21.9	21.9	21.9	22.5
87.5°	14.8	14.8	14.7	14.8	14.8	14.9	14.4
90°	31.7	31.3	31.1	31.4	31.6	31.8	32.0
92.5°	30.2	30.3	30.3	30.3	30.3	30.4	30.4
95°	60.2	60.2	59.9	59.6	59.2	58.7	58.3
97.5°	101.2	101.2	101.2	101.1	101.1	101.0	101.0
100°	129.8	129.8	129.7	129.5	129.3	129.0	128.8
102.5°	161.2	161.4	161.3	161.1	160.9	160.7	160.5
105°	208.2	208.6	208.8	208.8	208.8	208.8	208.8
107.5°	258.4	258.5	258.2	257.2	256.3	255.3	254.3
110°	292.6	292.6	292.2	291.6	291.0	290.3	289.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	326.4	325.9	325.4	325.0	324.5	324.0	323.6
115°	379.4	379.2	378.7	378.1	377.5	376.8	376.3
117.5°	430.1	429.5	429.0	428.4	427.7	427.1	426.5
120°	464.7	464.7	464.4	463.7	463.1	462.5	461.8
122.5°	499.3	498.8	498.3	497.9	497.4	496.9	496.4
125°	551.2	550.5	550.2	550.0	549.7	549.5	549.3
127.5°	601.6	600.9	600.1	599.5	598.8	598.1	597.5
130°	636.5	636.0	635.5	634.6	633.8	632.9	632.1
132.5°	669.6	668.6	667.9	667.2	666.6	665.9	665.2
135°	719.9	719.6	719.3	718.6	718.0	717.4	716.7
137.5°	767.4	767.2	766.8	765.9	765.1	764.2	763.4
140°	799.6	799.6	799.1	798.2	797.4	796.6	795.8
142.5°	828.6	828.8	828.5	827.6	826.8	826.0	825.1
145°	872.6	872.8	872.5	871.7	870.8	870.0	869.1
147.5°	911.3	911.8	911.6	910.9	910.0	909.3	908.4
150°	935.9	936.5	936.5	935.9	935.3	934.6	934.1
152.5°	960.5	961.3	961.3	960.5	959.7	958.9	958.1
155°	991.7	992.8	993.0	992.3	991.7	991.1	990.4
157.5°	1020.7	1022.1	1022.3	1021.3	1020.3	1019.3	1018.3
160°	1037.5	1038.8	1039.0	1038.1	1037.3	1036.4	1035.6
162.5°	1053.0	1054.4	1054.7	1053.7	1052.6	1051.7	1050.7
165°	1072.9	1074.4	1074.6	1073.6	1072.5	1071.5	1070.4
167.5°	1089.3	1090.7	1090.9	1089.9	1088.7	1087.7	1086.6
170°	1098.3	1099.8	1099.9	1098.6	1097.4	1096.1	1094.9
172.5°	1105.1	1106.5	1106.6	1105.4	1104.2	1102.9	1101.6
175°	1112.4	1113.9	1114.0	1112.8	1111.4	1110.2	1109.0
177.5°	1115.4	1116.3	1116.3	1115.4	1114.4	1113.3	1112.4
180°	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7	1114.7

(END OF REPORT)