

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: P332618-840

Luminaire Tested: **SA4XXDIP-C795D1205U840-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P332618-840  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-18,  
Test Lab: INNOVATION CENTER  
Issue Date: 10/7/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: SA4XXDIP-C795D1205U840-4F0-1E-UDD-A4  
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 795 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

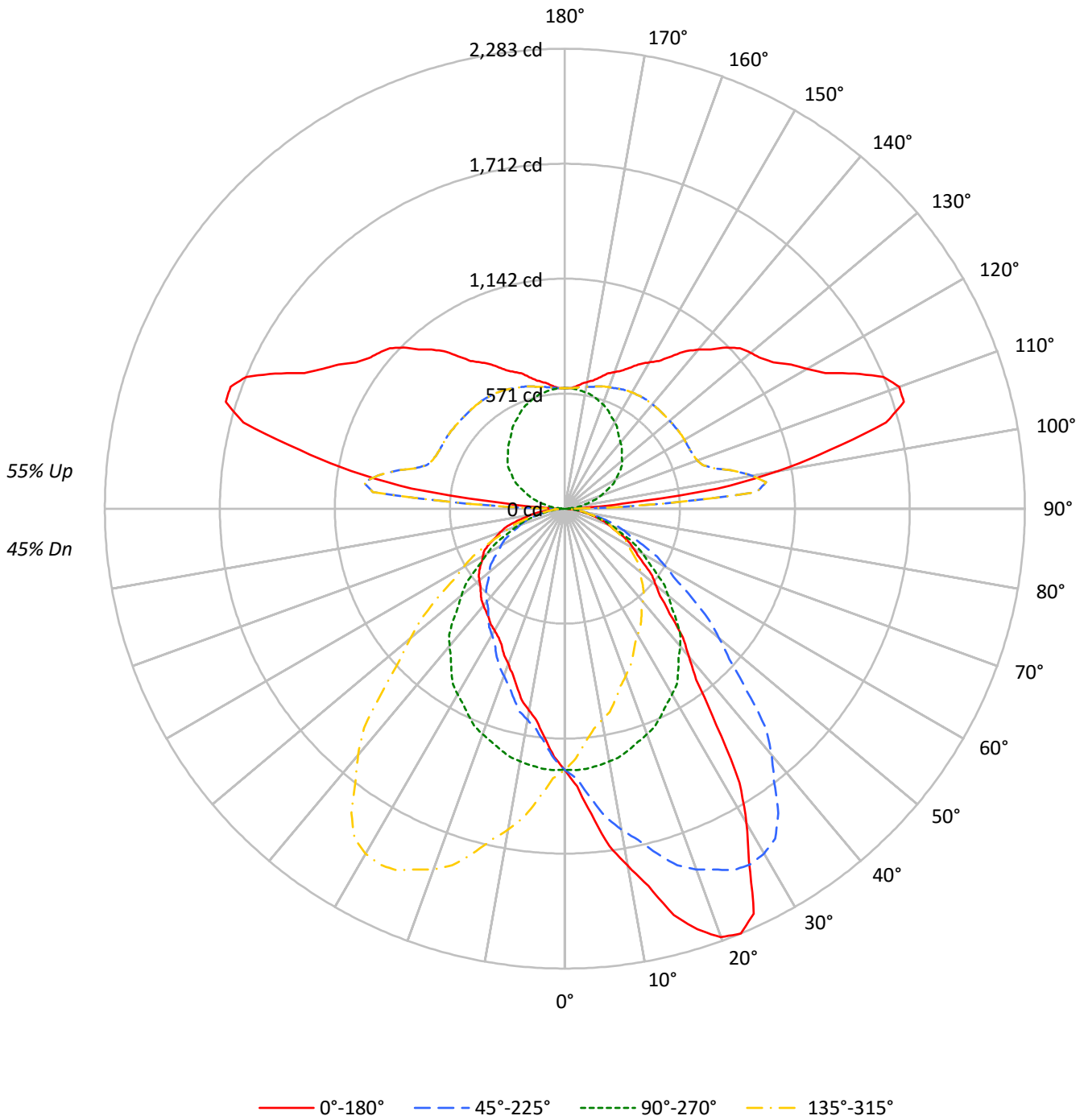
Lumens per Lamp: N/A  
Luminaire Lumens: 7924.5 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 1.23 / 1.41  
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 56.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45				
1	97	93	89	85	89	85	82	79	71	69	67	58	56	55	46	45	44	38				
2	88	81	75	70	81	75	69	65	62	59	55	51	48	46	41	39	37	33				
3	81	71	64	59	74	66	60	55	55	51	47	45	42	39	36	34	32	28				
4	74	63	56	50	68	58	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	36	33	29	29	27	24	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	21	19				
7	58	46	38	33	53	42	35	31	36	31	27	30	26	23	24	21	19	16				
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	21	18	16	13				
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14	12				

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

	0°	90°	180°	270°
0°	10467	10467	10467	10467
5°	12327	10494	9263	10494
10°	14758	10449	8338	10449
15°	17462	10343	7658	10343
20°	19444	10234	7050	10234
25°	19759	10075	6631	10075
30°	16812	9923	6498	9923
35°	12925	9676	6500	9676
40°	10075	9385	6622	9385
45°	8401	8947	6734	8947
50°	7394	8411	6962	8411
55°	6773	7771	7241	7771
60°	6347	7198	7579	7198
65°	5908	6556	7859	6556
70°	5401	5922	8037	5922
75°	4825	5209	7941	5209
80°	4049	4268	7689	4268
85°	2983	3084	7364	3084



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.3	1.6
10°-20°	389.3	4.9
20°-30°	617.4	7.8
30°-40°	687.1	8.7
40°-50°	625.4	7.9
50°-60°	511.1	6.4
60°-70°	364.8	4.6
70°-80°	200.9	2.5
80°-90°	58.1	0.7
90°-100°	431.4	5.4
100°-110°	897.9	11.3
110°-120°	804.2	10.1
120°-130°	676.5	8.5
130°-140°	564.1	7.1
140°-150°	430.9	5.4
150°-160°	302.9	3.8
160°-170°	178.2	2.2
170°-180°	58.0	0.7
0°-30°	1133.0	14.3
0°-40°	1820.1	23.0
0°-60°	2956.5	37.3
0°-90°	3580.4	45.2
90°-120°	2133.5	26.9
90°-150°	3805.0	48.0
90°-180°	4344.0	54.8
0°-180°	7924.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1297	1297	1297	1297	1297	
5°	1521	1295	1143	1295	1521	155
15°	2089	1238	916	1238	2089	590
25°	2218	1131	744	1131	2218	978
35°	1312	982	660	982	1312	832
45°	736	784	590	784	736	580
55°	481	552	514	552	481	435
65°	309	343	411	343	309	306
75°	155	167	255	167	155	164
85°	32	33	80	33	32	40
90°	25	1	25	1	25	21
95°	286	39	286	39	286	444
105°	1651	137	1651	137	1651	1632
115°	1585	242	1585	242	1585	1574
125°	1265	337	1265	337	1265	1149
135°	1131	400	1131	400	1131	873
145°	924	461	924	461	924	585
155°	773	524	773	524	773	361
165°	675	572	675	572	675	193
175°	608	596	608	596	608	59
180°	597	597	597	597	597	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1379.9	1379.5	1375.1	1374.3	1371.3	1367.5	1366.5	1359.7	1345.9	1339.5	1337.8
5°	1521.1	1531.8	1517.8	1515.1	1513.5	1495.8	1486.6	1475.9	1451.2	1436.7	1425.4
7.5°	1689.5	1690.7	1684.7	1679.7	1666.1	1650.5	1627.4	1602.7	1573.3	1542.6	1519.5
10°	1800.3	1804.6	1797.7	1796.5	1769.2	1752.0	1717.6	1688.6	1655.3	1618.2	1584.4
12.5°	1917.2	1911.2	1907.6	1884.6	1879.6	1848.3	1808.3	1778.4	1727.1	1684.5	1639.4
15°	2089.3	2077.5	2069.9	2038.2	2022.7	1979.1	1936.7	1904.0	1836.8	1772.9	1724.5
17.5°	2190.2	2202.0	2184.6	2171.6	2131.3	2100.8	2057.5	1988.7	1936.2	1856.8	1795.8
20°	2263.3	2264.3	2254.7	2241.3	2209.6	2170.9	2123.6	2048.4	1985.6	1906.6	1822.9
22.5°	2283.0	2283.3	2279.2	2266.6	2242.6	2211.3	2163.6	2100.8	2024.7	1938.8	1855.1
25°	2218.2	2216.0	2220.9	2234.8	2225.6	2216.0	2188.6	2141.9	2071.0	1980.2	1890.0
27.5°	1977.1	1992.0	2019.2	2053.6	2086.7	2111.9	2119.0	2109.4	2065.5	1990.8	1896.3
30°	1803.5	1821.8	1842.2	1876.5	1943.2	1981.4	2023.2	2054.9	2037.2	1977.5	1889.5
32.5°	1612.8	1617.3	1647.6	1686.7	1747.7	1821.1	1887.4	1951.8	1973.2	1941.9	1868.5
35°	1311.5	1319.1	1351.8	1390.5	1465.2	1554.9	1654.8	1743.9	1817.5	1847.0	1809.5
37.5°	1070.3	1091.9	1115.0	1156.6	1222.3	1303.0	1406.8	1522.2	1631.8	1705.4	1717.8
40°	956.0	969.5	986.1	1017.7	1073.6	1153.2	1242.2	1374.4	1491.0	1596.2	1630.6
42.5°	865.8	873.6	883.8	912.5	955.0	1034.1	1115.5	1231.7	1348.8	1474.6	1532.2
45°	735.8	743.9	761.0	777.7	809.9	864.7	940.4	1036.0	1153.7	1275.1	1381.4
47.5°	642.0	647.1	657.3	675.1	702.5	738.6	800.2	880.1	989.1	1106.9	1220.2
50°	588.7	592.9	601.0	617.1	638.0	670.2	720.7	795.5	880.8	999.6	1110.6
52.5°	546.5	548.3	554.2	565.1	581.8	608.8	650.3	712.1	791.4	897.3	1008.0
55°	481.2	483.4	488.8	496.9	511.3	528.5	560.2	606.3	675.7	767.5	863.6
57.5°	427.5	429.0	433.5	436.7	448.6	462.5	487.0	519.9	572.4	650.3	736.1
60°	393.1	392.0	397.5	400.1	408.2	420.0	438.8	470.5	516.1	579.0	657.9
62.5°	359.6	358.1	362.6	366.2	370.8	380.9	396.3	421.1	458.2	514.9	583.2
65°	309.3	307.2	309.9	314.2	318.5	323.9	335.2	357.2	386.7	427.5	479.6
67.5°	258.8	261.2	261.6	263.7	266.2	273.5	281.2	296.8	317.6	350.3	394.5
70°	228.8	229.3	231.5	231.5	233.1	239.5	246.0	255.1	275.5	305.6	341.5
72.5°	198.7	201.0	200.2	201.9	203.0	207.3	212.1	220.8	238.1	260.4	290.8
75°	154.7	156.3	156.3	156.8	158.4	160.1	163.8	170.3	182.6	199.2	220.3
77.5°	112.8	113.0	113.7	115.7	115.7	118.3	121.1	126.2	132.3	143.7	156.5
80°	87.1	88.1	87.6	88.7	88.7	90.8	91.8	98.3	101.0	108.5	118.7
82.5°	63.8	64.8	64.7	66.2	67.2	67.6	69.1	71.6	74.3	81.0	85.1
85°	32.2	33.3	32.2	33.3	34.9	35.4	37.1	37.6	39.8	41.4	45.1
87.5°	14.3	15.7	15.9	16.1	16.8	17.2	17.4	16.7	18.2	18.8	20.1
90°	24.6	24.6	25.9	24.6	23.4	23.4	22.3	21.1	20.0	21.1	18.8
92.5°	90.4	90.4	94.3	100.7	114.5	138.0	173.4	230.5	310.0	372.2	325.8
95°	286.3	301.5	322.8	359.1	416.6	530.4	687.6	869.5	983.4	956.3	721.6
97.5°	765.4	789.7	825.0	895.5	979.9	1102.4	1217.1	1284.8	1235.5	1007.3	675.4
100°	1076.1	1085.5	1120.6	1192.2	1294.3	1381.2	1438.7	1415.2	1243.9	943.4	612.6
102.5°	1346.5	1353.9	1391.0	1442.9	1505.5	1541.7	1525.0	1408.7	1173.5	863.6	570.3
105°	1651.0	1658.1	1674.6	1683.9	1681.5	1633.5	1517.3	1314.2	1045.5	769.8	533.9
107.5°	1764.2	1761.1	1749.4	1722.6	1664.7	1560.0	1396.4	1180.2	942.3	717.2	527.4
110°	1766.1	1755.5	1734.3	1685.1	1601.7	1472.7	1302.5	1099.5	890.7	699.4	529.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1710.7	1693.5	1664.0	1604.4	1509.7	1380.7	1219.9	1040.4	861.5	690.9	534.8
115°	1585.4	1576.0	1538.4	1468.0	1375.3	1262.6	1125.4	981.0	834.4	686.5	545.6
117.5°	1458.3	1451.1	1413.1	1353.9	1274.9	1179.3	1071.4	951.9	822.1	685.3	557.1
120°	1387.0	1374.1	1343.6	1292.0	1225.1	1141.8	1047.9	938.8	815.6	685.3	565.6
122.5°	1330.7	1317.8	1292.0	1247.9	1191.3	1118.3	1032.9	927.5	808.1	684.4	574.1
125°	1265.0	1258.0	1235.7	1201.6	1154.7	1090.1	1009.2	908.3	795.6	683.0	586.7
127.5°	1226.5	1219.5	1200.7	1170.4	1123.3	1062.0	981.3	884.7	778.9	680.3	596.8
130°	1204.0	1196.9	1178.1	1148.8	1100.8	1038.5	958.8	866.1	768.6	679.4	604.3
132.5°	1178.6	1171.5	1153.8	1120.6	1073.5	1011.3	933.4	846.3	759.2	678.5	610.9
135°	1131.3	1124.2	1105.4	1072.6	1025.6	966.9	895.3	819.1	745.2	677.1	620.8
137.5°	1072.6	1064.1	1048.6	1016.2	972.3	919.3	859.0	794.5	733.0	676.8	626.6
140°	1030.3	1020.9	1004.5	978.7	937.6	888.3	835.5	780.3	726.4	675.9	631.4
142.5°	985.2	978.7	964.1	940.2	903.8	861.1	815.8	767.2	720.7	675.9	635.1
145°	923.5	917.7	905.9	886.0	856.7	823.7	788.6	748.7	711.1	673.6	637.2
147.5°	868.8	866.8	857.8	840.7	819.1	793.2	765.1	733.5	702.5	669.3	638.3
150°	837.9	836.7	829.6	814.4	795.6	774.5	751.0	724.1	695.9	666.5	638.3
152.5°	809.7	808.5	804.3	791.8	775.9	758.5	736.9	713.7	688.3	661.9	636.5
155°	773.4	773.4	769.8	760.4	748.7	734.6	717.0	698.2	677.1	654.8	633.7
157.5°	741.4	741.4	739.3	732.3	723.4	712.1	697.3	681.6	665.6	647.5	630.7
160°	721.6	721.6	720.5	713.5	706.4	697.0	684.1	671.3	657.1	641.9	627.8
162.5°	702.9	703.9	702.7	695.6	690.4	682.1	672.0	660.9	649.6	636.2	625.0
165°	674.8	675.9	677.1	672.4	667.7	661.9	653.6	646.6	637.2	627.8	619.6
167.5°	652.5	653.4	653.6	650.6	648.2	644.7	638.1	632.8	625.9	619.4	614.0
170°	638.3	638.3	639.5	638.3	636.0	632.5	627.8	624.3	618.4	613.7	610.2
172.5°	624.3	626.1	627.3	626.1	624.7	622.2	619.4	616.7	611.9	608.0	606.4
175°	607.8	610.2	612.6	610.2	610.2	610.2	607.8	606.7	604.3	602.0	602.0
177.5°	598.2	600.1	602.0	601.1	602.0	601.1	601.1	600.1	599.2	598.2	598.2
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1338.2	1332.2	1327.9	1324.4	1315.0	1309.4	1305.1	1299.1	1292.2	1285.0	1275.9
5°	1414.1	1395.8	1382.5	1362.0	1342.7	1326.6	1310.0	1294.9	1276.7	1256.8	1242.2
7.5°	1494.0	1466.8	1432.0	1401.8	1367.9	1338.3	1311.9	1284.9	1256.7	1229.4	1204.4
10°	1544.7	1509.7	1471.1	1425.4	1382.5	1344.3	1308.9	1274.6	1241.2	1207.9	1179.4
12.5°	1599.2	1555.7	1498.5	1445.2	1397.0	1346.0	1303.3	1261.2	1221.0	1186.0	1152.8
15°	1672.4	1609.6	1543.6	1472.2	1408.8	1349.2	1290.6	1237.5	1192.3	1146.1	1113.9
17.5°	1717.5	1639.7	1564.2	1489.6	1412.9	1337.7	1274.6	1213.2	1156.7	1110.8	1070.2
20°	1747.2	1669.8	1575.8	1501.2	1409.9	1332.5	1259.5	1191.2	1132.2	1083.3	1041.4
22.5°	1772.9	1683.5	1589.5	1491.3	1400.4	1318.4	1238.4	1169.7	1109.4	1057.9	1017.7
25°	1786.9	1684.3	1582.3	1484.5	1381.4	1284.1	1211.6	1131.1	1066.6	1012.4	969.5
27.5°	1788.4	1678.7	1563.3	1454.6	1348.2	1257.7	1166.1	1094.2	1027.2	969.9	928.6
30°	1783.6	1669.3	1545.2	1427.5	1320.7	1222.4	1143.0	1064.5	996.3	939.4	896.4
32.5°	1768.6	1649.5	1522.0	1397.5	1286.8	1190.6	1108.5	1034.0	967.6	911.4	866.4
35°	1725.2	1607.5	1471.6	1342.2	1228.8	1131.7	1057.5	981.8	915.2	862.0	818.5
37.5°	1657.1	1550.7	1412.6	1278.7	1167.4	1069.8	996.3	927.9	867.8	813.7	769.2
40°	1597.8	1504.4	1365.8	1235.3	1115.0	1022.1	953.3	890.5	830.9	779.8	737.4
42.5°	1529.5	1448.0	1320.3	1182.0	1066.0	972.7	905.6	849.2	793.0	745.9	703.5
45°	1407.7	1354.0	1233.7	1105.9	985.0	897.0	833.0	783.7	736.4	690.1	654.7
47.5°	1267.6	1241.0	1139.7	1018.3	903.6	816.8	761.3	715.7	674.3	635.2	603.9
50°	1173.6	1160.6	1073.1	956.0	846.5	764.8	708.9	669.7	634.3	600.0	570.4
52.5°	1080.8	1080.3	1001.4	894.1	792.7	714.1	658.6	622.1	591.4	563.4	536.8
55°	938.9	953.8	892.1	796.5	705.7	634.8	584.9	552.1	530.7	507.6	487.7
57.5°	808.5	833.4	782.5	698.3	622.6	557.2	513.8	489.2	466.3	452.3	437.9
60°	723.5	747.1	707.3	636.4	565.0	509.2	467.8	445.8	425.9	416.3	406.1
62.5°	647.8	668.9	639.4	573.7	511.7	458.1	423.1	401.9	388.5	378.0	371.2
65°	539.8	557.4	532.3	484.4	431.3	388.3	359.8	343.2	330.3	326.0	318.5
67.5°	436.4	452.4	438.8	398.2	355.6	323.0	300.7	284.8	277.1	273.4	268.0
70°	374.9	391.0	376.5	341.0	308.3	280.9	259.9	250.9	242.8	241.2	233.6
72.5°	322.9	333.9	319.3	291.6	263.6	240.5	224.3	214.7	210.6	207.6	203.6
75°	242.3	251.9	242.3	220.8	200.9	184.8	170.8	167.0	162.2	160.6	157.9
77.5°	171.5	179.9	172.4	159.0	144.1	131.7	124.2	119.4	118.3	115.4	116.7
80°	131.1	136.4	129.5	120.3	108.5	99.9	94.5	91.8	88.7	87.6	89.7
82.5°	94.1	96.4	92.9	86.7	78.0	72.4	68.8	65.6	65.0	65.2	65.2
85°	48.9	48.4	47.8	42.4	39.8	36.0	33.8	33.3	32.7	33.8	34.9
87.5°	19.6	20.0	18.2	16.5	14.9	13.4	12.3	11.4	12.3	13.4	14.1
90°	16.5	16.5	9.4	9.4	8.2	7.1	3.5	1.2	3.5	7.1	8.2
92.5°	237.0	146.0	86.3	62.0	44.8	30.5	19.5	13.3	19.5	30.5	44.8
95°	441.2	248.7	146.7	97.4	69.3	54.0	42.2	38.7	42.2	54.0	69.3
97.5°	396.7	237.7	159.2	117.9	93.6	79.6	69.5	69.5	69.5	79.6	93.6
100°	373.1	240.5	171.4	133.8	111.5	97.4	89.2	89.2	89.2	97.4	111.5
102.5°	366.6	249.9	187.3	151.6	130.3	117.1	109.9	108.0	109.9	117.1	130.3
105°	369.6	272.3	215.9	181.9	160.8	146.7	140.8	137.3	140.8	146.7	160.8
107.5°	387.0	298.3	246.7	213.1	192.9	177.9	172.0	169.7	172.0	177.9	192.9
110°	400.1	318.0	266.4	234.7	213.6	199.4	193.6	191.3	193.6	199.4	213.6





TEST NUMBER: P332618-840

CATALOG NUMBER: SA4XXDIP-C795D1205U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	414.2	336.8	287.0	255.4	234.2	221.1	214.3	212.0	214.3	221.1	234.2
115°	436.6	366.1	319.2	287.5	265.2	253.5	245.3	241.8	245.3	253.5	265.2
117.5°	459.3	394.6	349.9	317.1	296.2	283.3	276.0	272.7	276.0	283.3	296.2
120°	475.2	414.2	369.6	336.8	316.8	304.0	295.7	293.4	295.7	304.0	316.8
122.5°	490.3	433.0	388.4	356.5	334.7	322.8	314.5	312.1	314.5	322.8	334.7
125°	512.8	458.8	416.6	383.7	361.4	348.5	341.4	336.8	341.4	348.5	361.4
127.5°	532.3	482.7	441.9	408.8	385.6	370.8	362.3	358.6	362.3	370.8	385.6
130°	544.5	498.8	458.8	424.7	402.5	384.9	375.5	370.8	375.5	384.9	402.5
132.5°	556.7	511.9	472.0	439.8	415.7	399.0	386.8	383.0	386.8	399.0	415.7
135°	572.7	530.4	491.7	461.2	436.6	416.6	404.9	400.1	404.9	416.6	436.6
137.5°	583.9	544.5	508.4	479.3	453.6	434.6	421.7	417.3	421.7	434.6	453.6
140°	591.4	553.9	518.7	490.5	465.9	446.0	433.0	429.5	433.0	446.0	465.9
142.5°	597.0	562.3	528.1	500.8	477.2	458.1	446.2	442.6	446.2	458.1	477.2
145°	603.2	571.5	541.0	515.1	492.8	476.5	464.7	461.2	464.7	476.5	492.8
147.5°	608.5	580.9	552.2	529.0	510.5	493.5	483.2	482.0	483.2	493.5	510.5
150°	611.4	585.5	559.8	537.5	519.9	505.7	496.3	495.2	496.3	505.7	519.9
152.5°	613.3	589.4	566.3	545.9	530.2	517.1	507.7	507.4	507.7	517.1	530.2
155°	614.9	594.9	575.0	557.4	544.5	532.7	525.7	524.5	525.7	532.7	544.5
157.5°	614.9	599.0	582.1	568.2	556.9	547.8	541.2	541.2	541.2	547.8	556.9
160°	614.9	600.8	586.7	573.8	564.4	556.2	551.5	551.5	551.5	556.2	564.4
162.5°	614.9	602.7	589.6	579.5	571.0	563.7	560.0	560.9	560.0	563.7	571.0
165°	612.6	603.2	592.6	585.5	579.7	573.8	571.5	571.5	571.5	573.8	579.7
167.5°	609.8	602.9	595.2	589.8	586.5	582.1	580.9	582.1	580.9	582.1	586.5
170°	607.8	602.0	596.1	592.6	590.3	586.7	585.5	586.7	585.5	586.7	590.3
172.5°	606.0	601.1	597.0	594.5	593.1	590.5	590.3	591.4	590.3	590.5	593.1
175°	603.2	599.7	597.3	597.3	596.1	594.9	594.9	596.1	594.9	594.9	596.1
177.5°	600.1	598.2	597.3	597.3	597.3	596.3	597.3	598.2	597.3	596.3	597.3
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



TEST NUMBER: P332618-840  
 CATALOG NUMBER: SA4XXDIP-C795D1205U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1271.6	1267.8	1262.1	1254.5	1248.0	1241.1	1239.4	1236.8	1241.9	1237.7	1236.4
5°	1229.9	1218.6	1204.2	1187.5	1177.8	1163.9	1161.1	1155.8	1150.4	1149.9	1144.5
7.5°	1185.8	1169.2	1150.2	1133.3	1117.5	1102.3	1092.4	1090.1	1082.3	1077.6	1072.3
10°	1157.4	1137.0	1115.0	1098.8	1080.7	1064.5	1053.2	1046.8	1041.4	1035.5	1030.2
12.5°	1123.9	1102.2	1084.1	1066.6	1044.9	1032.7	1014.1	1003.0	1001.9	1002.0	988.1
15°	1084.9	1063.4	1035.5	1010.8	999.0	975.3	965.1	952.2	944.2	936.1	929.7
17.5°	1040.4	1013.6	991.8	963.4	940.9	922.1	908.7	900.9	888.8	877.4	869.1
20°	1012.4	983.9	960.9	930.8	906.1	882.9	871.7	860.9	851.8	842.1	833.0
22.5°	984.0	954.3	926.0	896.9	873.8	849.5	838.6	823.9	815.3	809.9	800.8
25°	939.4	907.2	874.9	847.0	823.3	801.8	787.4	776.1	766.4	762.1	756.2
27.5°	890.8	858.8	827.7	796.0	769.1	753.6	741.9	733.5	727.8	722.2	719.5
30°	859.9	826.6	793.2	763.8	739.0	723.5	712.7	706.8	702.5	699.8	697.1
32.5°	828.5	795.7	760.6	733.7	711.6	697.7	689.5	683.6	681.5	680.4	679.5
35°	778.2	745.0	712.7	688.5	667.6	662.3	655.2	652.1	651.0	654.7	656.3
37.5°	729.5	698.6	669.0	645.6	631.9	624.0	621.6	621.8	625.6	628.9	632.8
40°	698.2	668.1	640.3	619.8	606.9	602.1	601.0	603.7	607.9	611.8	616.0
42.5°	667.7	638.0	612.7	593.6	584.6	580.2	580.8	583.5	589.5	594.1	600.6
45°	620.4	595.6	570.9	555.3	547.9	548.9	548.9	553.7	559.7	566.6	573.6
47.5°	575.7	550.9	530.5	517.5	513.5	512.6	515.6	521.9	530.4	539.1	548.8
50°	545.6	522.0	504.3	492.5	488.2	489.8	494.1	500.0	510.2	521.0	531.2
52.5°	515.1	493.7	477.3	466.3	463.3	466.2	470.5	479.8	488.8	500.4	512.7
55°	467.8	449.5	436.7	428.6	427.5	429.1	433.9	444.1	457.1	471.6	483.4
57.5°	420.6	405.4	393.5	388.0	388.5	390.0	398.0	410.1	423.8	439.3	454.5
60°	388.9	374.9	365.3	360.9	361.4	364.7	374.4	385.7	402.8	417.9	433.9
62.5°	358.8	346.5	337.3	333.5	332.6	339.7	349.0	360.7	377.9	394.7	412.0
65°	310.4	300.7	293.3	291.1	292.8	298.1	309.9	325.5	340.0	357.7	376.0
67.5°	263.2	255.2	250.0	251.1	253.0	260.9	270.8	284.2	300.6	319.0	337.1
70°	233.1	225.6	221.3	221.8	225.0	234.7	243.3	256.7	274.5	293.3	308.3
72.5°	202.2	197.2	193.4	195.6	198.8	205.5	216.2	229.6	245.2	262.8	278.6
75°	155.2	155.2	153.1	154.7	159.6	165.9	174.0	187.9	203.6	217.5	230.5
77.5°	115.1	114.0	115.3	117.3	120.1	127.7	136.9	146.9	158.6	172.6	183.3
80°	88.1	88.7	91.3	94.5	95.6	101.5	111.2	120.3	129.5	141.3	151.5
82.5°	66.1	66.8	68.1	72.2	73.2	79.6	85.8	94.9	103.2	111.2	119.7
85°	36.0	36.0	38.7	40.3	42.9	47.3	51.0	56.4	63.9	69.3	77.4
87.5°	15.7	15.7	18.8	19.6	21.4	24.0	24.6	29.6	31.5	33.9	37.8
90°	9.4	9.4	16.5	16.5	18.8	21.1	20.0	21.1	22.3	23.4	23.4
92.5°	62.0	86.3	146.0	237.0	325.8	372.2	310.0	230.5	173.4	138.0	114.5
95°	97.4	146.7	248.7	441.2	721.6	956.3	983.4	869.5	687.6	530.4	416.6
97.5°	117.9	159.2	237.7	396.7	675.4	1007.3	1235.5	1284.8	1217.1	1102.4	979.9
100°	133.8	171.4	240.5	373.1	612.6	943.4	1243.9	1415.2	1438.7	1381.2	1294.3
102.5°	151.6	187.3	249.9	366.6	570.3	863.6	1173.5	1408.7	1525.0	1541.7	1505.5
105°	181.9	215.9	272.3	369.6	533.9	769.8	1045.5	1314.2	1517.3	1633.5	1681.5
107.5°	213.1	246.7	298.3	387.0	527.4	717.2	942.3	1180.2	1396.4	1560.0	1664.7
110°	234.7	266.4	318.0	400.1	529.3	699.4	890.7	1099.5	1302.5	1472.7	1601.7



TEST NUMBER: P332618-840

CATALOG NUMBER: SA4XXDIP-C795D1205U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	255.4	287.0	336.8	414.2	534.8	690.9	861.5	1040.4	1219.9	1380.7	1509.7
115°	287.5	319.2	366.1	436.6	545.6	686.5	834.4	981.0	1125.4	1262.6	1375.3
117.5°	317.1	349.9	394.6	459.3	557.1	685.3	822.1	951.9	1071.4	1179.3	1274.9
120°	336.8	369.6	414.2	475.2	565.6	685.3	815.6	938.8	1047.9	1141.8	1225.1
122.5°	356.5	388.4	433.0	490.3	574.1	684.4	808.1	927.5	1032.9	1118.3	1191.3
125°	383.7	416.6	458.8	512.8	586.7	683.0	795.6	908.3	1009.2	1090.1	1154.7
127.5°	408.8	441.9	482.7	532.3	596.8	680.3	778.9	884.7	981.3	1062.0	1123.3
130°	424.7	458.8	498.8	544.5	604.3	679.4	768.6	866.1	958.8	1038.5	1100.8
132.5°	439.8	472.0	511.9	556.7	610.9	678.5	759.2	846.3	933.4	1011.3	1073.5
135°	461.2	491.7	530.4	572.7	620.8	677.1	745.2	819.1	895.3	966.9	1025.6
137.5°	479.3	508.4	544.5	583.9	626.6	676.8	733.0	794.5	859.0	919.3	972.3
140°	490.5	518.7	553.9	591.4	631.4	675.9	726.4	780.3	835.5	888.3	937.6
142.5°	500.8	528.1	562.3	597.0	635.1	675.9	720.7	767.2	815.8	861.1	903.8
145°	515.1	541.0	571.5	603.2	637.2	673.6	711.1	748.7	788.6	823.7	856.7
147.5°	529.0	552.2	580.9	608.5	638.3	669.3	702.5	733.5	765.1	793.2	819.1
150°	537.5	559.8	585.5	611.4	638.3	666.5	695.9	724.1	751.0	774.5	795.6
152.5°	545.9	566.3	589.4	613.3	636.5	661.9	688.3	713.7	736.9	758.5	775.9
155°	557.4	575.0	594.9	614.9	633.7	654.8	677.1	698.2	717.0	734.6	748.7
157.5°	568.2	582.1	599.0	614.9	630.7	647.5	665.6	681.6	697.3	712.1	723.4
160°	573.8	586.7	600.8	614.9	627.8	641.9	657.1	671.3	684.1	697.0	706.4
162.5°	579.5	589.6	602.7	614.9	625.0	636.2	649.6	660.9	672.0	682.1	690.4
165°	585.5	592.6	603.2	612.6	619.6	627.8	637.2	646.6	653.6	661.9	667.7
167.5°	589.8	595.2	602.9	609.8	614.0	619.4	625.9	632.8	638.1	644.7	648.2
170°	592.6	596.1	602.0	607.8	610.2	613.7	618.4	624.3	627.8	632.5	636.0
172.5°	594.5	597.0	601.1	606.0	606.4	608.0	611.9	616.7	619.4	622.2	624.7
175°	597.3	597.3	599.7	603.2	602.0	602.0	604.3	606.7	607.8	610.2	610.2
177.5°	597.3	597.3	598.2	600.1	598.2	598.2	599.2	600.1	601.1	601.1	602.0
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



TEST NUMBER: P332618-840

CATALOG NUMBER: SA4XXDIP-C795D1205U840-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1235.5	1234.7	1231.6	1231.2	1231.6	1234.7	1235.5	1236.4	1237.7	1241.9	1236.8
5°	1141.3	1138.6	1137.0	1143.0	1137.0	1138.6	1141.3	1144.5	1149.9	1150.4	1155.8
7.5°	1070.3	1068.1	1063.4	1062.0	1063.4	1068.1	1070.3	1072.3	1077.6	1082.3	1090.1
10°	1024.7	1022.6	1018.3	1017.2	1018.3	1022.6	1024.7	1030.2	1035.5	1041.4	1046.8
12.5°	980.9	976.6	975.7	976.8	975.7	976.6	980.9	988.1	1002.0	1001.9	1003.0
15°	922.7	920.6	914.6	916.3	914.6	920.6	922.7	929.7	936.1	944.2	952.2
17.5°	865.4	862.7	855.6	861.9	855.6	862.7	865.4	869.1	877.4	888.8	900.9
20°	829.3	825.0	821.2	820.6	821.2	825.0	829.3	833.0	842.1	851.8	860.9
22.5°	794.9	791.0	790.7	787.2	790.7	791.0	794.9	800.8	809.9	815.3	823.9
25°	751.9	748.2	747.1	744.4	747.1	748.2	751.9	756.2	762.1	766.4	776.1
27.5°	718.9	717.1	715.2	716.0	715.2	717.1	718.9	719.5	722.2	727.8	733.5
30°	698.7	698.2	697.1	697.1	697.1	698.2	698.7	697.1	699.8	702.5	706.8
32.5°	682.0	681.9	682.6	682.6	682.6	681.9	682.0	679.5	680.4	681.5	683.6
35°	658.4	660.0	661.2	659.5	661.2	660.0	658.4	656.3	654.7	651.0	652.1
37.5°	637.2	638.8	640.4	642.2	640.4	638.8	637.2	632.8	628.9	625.6	621.8
40°	620.9	624.6	625.7	628.4	625.7	624.6	620.9	616.0	611.8	607.9	603.7
42.5°	605.4	609.6	612.4	612.9	612.4	609.6	605.4	600.6	594.1	589.5	583.5
45°	581.7	585.9	589.8	589.8	589.8	585.9	581.7	573.6	566.6	559.7	553.7
47.5°	557.0	563.3	567.0	568.0	567.0	563.3	557.0	548.8	539.1	530.4	521.9
50°	540.3	547.9	551.6	554.3	551.6	547.9	540.3	531.2	521.0	510.2	500.0
52.5°	524.0	531.5	536.5	538.0	536.5	531.5	524.0	512.7	500.4	488.8	479.8
55°	495.7	506.4	512.4	514.5	512.4	506.4	495.7	483.4	471.6	457.1	444.1
57.5°	469.1	479.0	485.8	487.5	485.8	479.0	469.1	454.5	439.3	423.8	410.1
60°	448.5	459.2	467.8	469.4	467.8	459.2	448.5	433.9	417.9	402.8	385.7
62.5°	427.4	438.6	446.4	450.5	446.4	438.6	427.4	412.0	394.7	377.9	360.7
65°	391.0	402.2	409.8	411.4	409.8	402.2	391.0	376.0	357.7	340.0	325.5
67.5°	351.2	362.5	367.5	370.6	367.5	362.5	351.2	337.1	319.0	300.6	284.2
70°	323.4	332.4	337.8	340.5	337.8	332.4	323.4	308.3	293.3	274.5	256.7
72.5°	291.5	301.0	307.3	307.8	307.3	301.0	291.5	278.6	262.8	245.2	229.6
75°	242.8	251.4	254.6	254.6	254.6	251.4	242.8	230.5	217.5	203.6	187.9
77.5°	192.2	196.6	200.7	201.5	200.7	196.6	192.2	183.3	172.6	158.6	146.9
80°	159.6	162.2	165.4	165.4	165.4	162.2	159.6	151.5	141.3	129.5	120.3
82.5°	126.0	128.3	131.5	131.1	131.5	128.3	126.0	119.7	111.2	103.2	94.9
85°	76.2	81.1	80.6	79.5	80.6	81.1	76.2	77.4	69.3	63.9	56.4
87.5°	39.3	40.0	41.0	41.9	41.0	40.0	39.3	37.8	33.9	31.5	29.6
90°	24.6	25.9	24.6	24.6	24.6	25.9	24.6	23.4	23.4	22.3	21.1
92.5°	100.7	94.3	90.4	90.4	90.4	94.3	100.7	114.5	138.0	173.4	230.5
95°	359.1	322.8	301.5	286.3	301.5	322.8	359.1	416.6	530.4	687.6	869.5
97.5°	895.5	825.0	789.7	765.4	789.7	825.0	895.5	979.9	1102.4	1217.1	1284.8
100°	1192.2	1120.6	1085.5	1076.1	1085.5	1120.6	1192.2	1294.3	1381.2	1438.7	1415.2
102.5°	1442.9	1391.0	1353.9	1346.5	1353.9	1391.0	1442.9	1505.5	1541.7	1525.0	1408.7
105°	1683.9	1674.6	1658.1	1651.0	1658.1	1674.6	1683.9	1681.5	1633.5	1517.3	1314.2
107.5°	1722.6	1749.4	1761.1	1764.2	1761.1	1749.4	1722.6	1664.7	1560.0	1396.4	1180.2
110°	1685.1	1734.3	1755.5	1766.1	1755.5	1734.3	1685.1	1601.7	1472.7	1302.5	1099.5



TEST NUMBER: P332618-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1604.4	1664.0	1693.5	1710.7	1693.5	1664.0	1604.4	1509.7	1380.7	1219.9	1040.4
115°	1468.0	1538.4	1576.0	1585.4	1576.0	1538.4	1468.0	1375.3	1262.6	1125.4	981.0
117.5°	1353.9	1413.1	1451.1	1458.3	1451.1	1413.1	1353.9	1274.9	1179.3	1071.4	951.9
120°	1292.0	1343.6	1374.1	1387.0	1374.1	1343.6	1292.0	1225.1	1141.8	1047.9	938.8
122.5°	1247.9	1292.0	1317.8	1330.7	1317.8	1292.0	1247.9	1191.3	1118.3	1032.9	927.5
125°	1201.6	1235.7	1258.0	1265.0	1258.0	1235.7	1201.6	1154.7	1090.1	1009.2	908.3
127.5°	1170.4	1200.7	1219.5	1226.5	1219.5	1200.7	1170.4	1123.3	1062.0	981.3	884.7
130°	1148.8	1178.1	1196.9	1204.0	1196.9	1178.1	1148.8	1100.8	1038.5	958.8	866.1
132.5°	1120.6	1153.8	1171.5	1178.6	1171.5	1153.8	1120.6	1073.5	1011.3	933.4	846.3
135°	1072.6	1105.4	1124.2	1131.3	1124.2	1105.4	1072.6	1025.6	966.9	895.3	819.1
137.5°	1016.2	1048.6	1064.1	1072.6	1064.1	1048.6	1016.2	972.3	919.3	859.0	794.5
140°	978.7	1004.5	1020.9	1030.3	1020.9	1004.5	978.7	937.6	888.3	835.5	780.3
142.5°	940.2	964.1	978.7	985.2	978.7	964.1	940.2	903.8	861.1	815.8	767.2
145°	886.0	905.9	917.7	923.5	917.7	905.9	886.0	856.7	823.7	788.6	748.7
147.5°	840.7	857.8	866.8	868.8	866.8	857.8	840.7	819.1	793.2	765.1	733.5
150°	814.4	829.6	836.7	837.9	836.7	829.6	814.4	795.6	774.5	751.0	724.1
152.5°	791.8	804.3	808.5	809.7	808.5	804.3	791.8	775.9	758.5	736.9	713.7
155°	760.4	769.8	773.4	773.4	773.4	769.8	760.4	748.7	734.6	717.0	698.2
157.5°	732.3	739.3	741.4	741.4	741.4	739.3	732.3	723.4	712.1	697.3	681.6
160°	713.5	720.5	721.6	721.6	721.6	720.5	713.5	706.4	697.0	684.1	671.3
162.5°	695.6	702.7	703.9	702.9	703.9	702.7	695.6	690.4	682.1	672.0	660.9
165°	672.4	677.1	675.9	674.8	675.9	677.1	672.4	667.7	661.9	653.6	646.6
167.5°	650.6	653.6	653.4	652.5	653.4	653.6	650.6	648.2	644.7	638.1	632.8
170°	638.3	639.5	638.3	638.3	638.3	639.5	638.3	636.0	632.5	627.8	624.3
172.5°	626.1	627.3	626.1	624.3	626.1	627.3	626.1	624.7	622.2	619.4	616.7
175°	610.2	612.6	610.2	607.8	610.2	612.6	610.2	610.2	610.2	607.8	606.7
177.5°	601.1	602.0	600.1	598.2	600.1	602.0	601.1	602.0	601.1	601.1	600.1
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1239.4	1241.1	1248.0	1254.5	1262.1	1267.8	1271.6	1275.9	1285.0	1292.2	1299.1
5°	1161.1	1163.9	1177.8	1187.5	1204.2	1218.6	1229.9	1242.2	1256.8	1276.7	1294.9
7.5°	1092.4	1102.3	1117.5	1133.3	1150.2	1169.2	1185.8	1204.4	1229.4	1256.7	1284.9
10°	1053.2	1064.5	1080.7	1098.8	1115.0	1137.0	1157.4	1179.4	1207.9	1241.2	1274.6
12.5°	1014.1	1032.7	1044.9	1066.6	1084.1	1102.2	1123.9	1152.8	1186.0	1221.0	1261.2
15°	965.1	975.3	999.0	1010.8	1035.5	1063.4	1084.9	1113.9	1146.1	1192.3	1237.5
17.5°	908.7	922.1	940.9	963.4	991.8	1013.6	1040.4	1070.2	1110.8	1156.7	1213.2
20°	871.7	882.9	906.1	930.8	960.9	983.9	1012.4	1041.4	1083.3	1132.2	1191.2
22.5°	838.6	849.5	873.8	896.9	926.0	954.3	984.0	1017.7	1057.9	1109.4	1169.7
25°	787.4	801.8	823.3	847.0	874.9	907.2	939.4	969.5	1012.4	1066.6	1131.1
27.5°	741.9	753.6	769.1	796.0	827.7	858.8	890.8	928.6	969.9	1027.2	1094.2
30°	712.7	723.5	739.0	763.8	793.2	826.6	859.9	896.4	939.4	996.3	1064.5
32.5°	689.5	697.7	711.6	733.7	760.6	795.7	828.5	866.4	911.4	967.6	1034.0
35°	655.2	662.3	667.6	688.5	712.7	745.0	778.2	818.5	862.0	915.2	981.8
37.5°	621.6	624.0	631.9	645.6	669.0	698.6	729.5	769.2	813.7	867.8	927.9
40°	601.0	602.1	606.9	619.8	640.3	668.1	698.2	737.4	779.8	830.9	890.5
42.5°	580.8	580.2	584.6	593.6	612.7	638.0	667.7	703.5	745.9	793.0	849.2
45°	548.9	548.9	547.9	555.3	570.9	595.6	620.4	654.7	690.1	736.4	783.7
47.5°	515.6	512.6	513.5	517.5	530.5	550.9	575.7	603.9	635.2	674.3	715.7
50°	494.1	489.8	488.2	492.5	504.3	522.0	545.6	570.4	600.0	634.3	669.7
52.5°	470.5	466.2	463.3	466.3	477.3	493.7	515.1	536.8	563.4	591.4	622.1
55°	433.9	429.1	427.5	428.6	436.7	449.5	467.8	487.7	507.6	530.7	552.1
57.5°	398.0	390.0	388.5	388.0	393.5	405.4	420.6	437.9	452.3	466.3	489.2
60°	374.4	364.7	361.4	360.9	365.3	374.9	388.9	406.1	416.3	425.9	445.8
62.5°	349.0	339.7	332.6	333.5	337.3	346.5	358.8	371.2	378.0	388.5	401.9
65°	309.9	298.1	292.8	291.1	293.3	300.7	310.4	318.5	326.0	330.3	343.2
67.5°	270.8	260.9	253.0	251.1	250.0	255.2	263.2	268.0	273.4	277.1	284.8
70°	243.3	234.7	225.0	221.8	221.3	225.6	233.1	233.6	241.2	242.8	250.9
72.5°	216.2	205.5	198.8	195.6	193.4	197.2	202.2	203.6	207.6	210.6	214.7
75°	174.0	165.9	159.6	154.7	153.1	155.2	155.2	157.9	160.6	162.2	167.0
77.5°	136.9	127.7	120.1	117.3	115.3	114.0	115.1	116.7	115.4	118.3	119.4
80°	111.2	101.5	95.6	94.5	91.3	88.7	88.1	89.7	87.6	88.7	91.8
82.5°	85.8	79.6	73.2	72.2	68.1	66.8	66.1	65.2	65.2	65.0	65.6
85°	51.0	47.3	42.9	40.3	38.7	36.0	36.0	34.9	33.8	32.7	33.3
87.5°	24.6	24.0	21.4	19.6	18.8	15.7	15.7	14.1	13.4	12.3	11.4
90°	20.0	21.1	18.8	16.5	16.5	9.4	9.4	8.2	7.1	3.5	1.2
92.5°	310.0	372.2	325.8	237.0	146.0	86.3	62.0	44.8	30.5	19.5	13.3
95°	983.4	956.3	721.6	441.2	248.7	146.7	97.4	69.3	54.0	42.2	38.7
97.5°	1235.5	1007.3	675.4	396.7	237.7	159.2	117.9	93.6	79.6	69.5	69.5
100°	1243.9	943.4	612.6	373.1	240.5	171.4	133.8	111.5	97.4	89.2	89.2
102.5°	1173.5	863.6	570.3	366.6	249.9	187.3	151.6	130.3	117.1	109.9	108.0
105°	1045.5	769.8	533.9	369.6	272.3	215.9	181.9	160.8	146.7	140.8	137.3
107.5°	942.3	717.2	527.4	387.0	298.3	246.7	213.1	192.9	177.9	172.0	169.7
110°	890.7	699.4	529.3	400.1	318.0	266.4	234.7	213.6	199.4	193.6	191.3



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	861.5	690.9	534.8	414.2	336.8	287.0	255.4	234.2	221.1	214.3	212.0
115°	834.4	686.5	545.6	436.6	366.1	319.2	287.5	265.2	253.5	245.3	241.8
117.5°	822.1	685.3	557.1	459.3	394.6	349.9	317.1	296.2	283.3	276.0	272.7
120°	815.6	685.3	565.6	475.2	414.2	369.6	336.8	316.8	304.0	295.7	293.4
122.5°	808.1	684.4	574.1	490.3	433.0	388.4	356.5	334.7	322.8	314.5	312.1
125°	795.6	683.0	586.7	512.8	458.8	416.6	383.7	361.4	348.5	341.4	336.8
127.5°	778.9	680.3	596.8	532.3	482.7	441.9	408.8	385.6	370.8	362.3	358.6
130°	768.6	679.4	604.3	544.5	498.8	458.8	424.7	402.5	384.9	375.5	370.8
132.5°	759.2	678.5	610.9	556.7	511.9	472.0	439.8	415.7	399.0	386.8	383.0
135°	745.2	677.1	620.8	572.7	530.4	491.7	461.2	436.6	416.6	404.9	400.1
137.5°	733.0	676.8	626.6	583.9	544.5	508.4	479.3	453.6	434.6	421.7	417.3
140°	726.4	675.9	631.4	591.4	553.9	518.7	490.5	465.9	446.0	433.0	429.5
142.5°	720.7	675.9	635.1	597.0	562.3	528.1	500.8	477.2	458.1	446.2	442.6
145°	711.1	673.6	637.2	603.2	571.5	541.0	515.1	492.8	476.5	464.7	461.2
147.5°	702.5	669.3	638.3	608.5	580.9	552.2	529.0	510.5	493.5	483.2	482.0
150°	695.9	666.5	638.3	611.4	585.5	559.8	537.5	519.9	505.7	496.3	495.2
152.5°	688.3	661.9	636.5	613.3	589.4	566.3	545.9	530.2	517.1	507.7	507.4
155°	677.1	654.8	633.7	614.9	594.9	575.0	557.4	544.5	532.7	525.7	524.5
157.5°	665.6	647.5	630.7	614.9	599.0	582.1	568.2	556.9	547.8	541.2	541.2
160°	657.1	641.9	627.8	614.9	600.8	586.7	573.8	564.4	556.2	551.5	551.5
162.5°	649.6	636.2	625.0	614.9	602.7	589.6	579.5	571.0	563.7	560.0	560.9
165°	637.2	627.8	619.6	612.6	603.2	592.6	585.5	579.7	573.8	571.5	571.5
167.5°	625.9	619.4	614.0	609.8	602.9	595.2	589.8	586.5	582.1	580.9	582.1
170°	618.4	613.7	610.2	607.8	602.0	596.1	592.6	590.3	586.7	585.5	586.7
172.5°	611.9	608.0	606.4	606.0	601.1	597.0	594.5	593.1	590.5	590.3	591.4
175°	604.3	602.0	602.0	603.2	599.7	597.3	597.3	596.1	594.9	594.9	596.1
177.5°	599.2	598.2	598.2	600.1	598.2	597.3	597.3	597.3	596.3	597.3	598.2
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



TEST NUMBER: P332618-840  
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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1305.1	1309.4	1315.0	1324.4	1327.9	1332.2	1338.2	1337.8	1339.5	1345.9	1359.7
5°	1310.0	1326.6	1342.7	1362.0	1382.5	1395.8	1414.1	1425.4	1436.7	1451.2	1475.9
7.5°	1311.9	1338.3	1367.9	1401.8	1432.0	1466.8	1494.0	1519.5	1542.6	1573.3	1602.7
10°	1308.9	1344.3	1382.5	1425.4	1471.1	1509.7	1544.7	1584.4	1618.2	1655.3	1688.6
12.5°	1303.3	1346.0	1397.0	1445.2	1498.5	1555.7	1599.2	1639.4	1684.5	1727.1	1778.4
15°	1290.6	1349.2	1408.8	1472.2	1543.6	1609.6	1672.4	1724.5	1772.9	1836.8	1904.0
17.5°	1274.6	1337.7	1412.9	1489.6	1564.2	1639.7	1717.5	1795.8	1856.8	1936.2	1988.7
20°	1259.5	1332.5	1409.9	1501.2	1575.8	1669.8	1747.2	1822.9	1906.6	1985.6	2048.4
22.5°	1238.4	1318.4	1400.4	1491.3	1589.5	1683.5	1772.9	1855.1	1938.8	2024.7	2100.8
25°	1211.6	1284.1	1381.4	1484.5	1582.3	1684.3	1786.9	1890.0	1980.2	2071.0	2141.9
27.5°	1166.1	1257.7	1348.2	1454.6	1563.3	1678.7	1788.4	1896.3	1990.8	2065.5	2109.4
30°	1143.0	1222.4	1320.7	1427.5	1545.2	1669.3	1783.6	1889.5	1977.5	2037.2	2054.9
32.5°	1108.5	1190.6	1286.8	1397.5	1522.0	1649.5	1768.6	1868.5	1941.9	1973.2	1951.8
35°	1057.5	1131.7	1228.8	1342.2	1471.6	1607.5	1725.2	1809.5	1847.0	1817.5	1743.9
37.5°	996.3	1069.8	1167.4	1278.7	1412.6	1550.7	1657.1	1717.8	1705.4	1631.8	1522.2
40°	953.3	1022.1	1115.0	1235.3	1365.8	1504.4	1597.8	1630.6	1596.2	1491.0	1374.4
42.5°	905.6	972.7	1066.0	1182.0	1320.3	1448.0	1529.5	1532.2	1474.6	1348.8	1231.7
45°	833.0	897.0	985.0	1105.9	1233.7	1354.0	1407.7	1381.4	1275.1	1153.7	1036.0
47.5°	761.3	816.8	903.6	1018.3	1139.7	1241.0	1267.6	1220.2	1106.9	989.1	880.1
50°	708.9	764.8	846.5	956.0	1073.1	1160.6	1173.6	1110.6	999.6	880.8	795.5
52.5°	658.6	714.1	792.7	894.1	1001.4	1080.3	1080.8	1008.0	897.3	791.4	712.1
55°	584.9	634.8	705.7	796.5	892.1	953.8	938.9	863.6	767.5	675.7	606.3
57.5°	513.8	557.2	622.6	698.3	782.5	833.4	808.5	736.1	650.3	572.4	519.9
60°	467.8	509.2	565.0	636.4	707.3	747.1	723.5	657.9	579.0	516.1	470.5
62.5°	423.1	458.1	511.7	573.7	639.4	668.9	647.8	583.2	514.9	458.2	421.1
65°	359.8	388.3	431.3	484.4	532.3	557.4	539.8	479.6	427.5	386.7	357.2
67.5°	300.7	323.0	355.6	398.2	438.8	452.4	436.4	394.5	350.3	317.6	296.8
70°	259.9	280.9	308.3	341.0	376.5	391.0	374.9	341.5	305.6	275.5	255.1
72.5°	224.3	240.5	263.6	291.6	319.3	333.9	322.9	290.8	260.4	238.1	220.8
75°	170.8	184.8	200.9	220.8	242.3	251.9	242.3	220.3	199.2	182.6	170.3
77.5°	124.2	131.7	144.1	159.0	172.4	179.9	171.5	156.5	143.7	132.3	126.2
80°	94.5	99.9	108.5	120.3	129.5	136.4	131.1	118.7	108.5	101.0	98.3
82.5°	68.8	72.4	78.0	86.7	92.9	96.4	94.1	85.1	81.0	74.3	71.6
85°	33.8	36.0	39.8	42.4	47.8	48.4	48.9	45.1	41.4	39.8	37.6
87.5°	12.3	13.4	14.9	16.5	18.2	20.0	19.6	20.1	18.8	18.2	16.7
90°	3.5	7.1	8.2	9.4	9.4	16.5	16.5	18.8	21.1	20.0	21.1
92.5°	19.5	30.5	44.8	62.0	86.3	146.0	237.0	325.8	372.2	310.0	230.5
95°	42.2	54.0	69.3	97.4	146.7	248.7	441.2	721.6	956.3	983.4	869.5
97.5°	69.5	79.6	93.6	117.9	159.2	237.7	396.7	675.4	1007.3	1235.5	1284.8
100°	89.2	97.4	111.5	133.8	171.4	240.5	373.1	612.6	943.4	1243.9	1415.2
102.5°	109.9	117.1	130.3	151.6	187.3	249.9	366.6	570.3	863.6	1173.5	1408.7
105°	140.8	146.7	160.8	181.9	215.9	272.3	369.6	533.9	769.8	1045.5	1314.2
107.5°	172.0	177.9	192.9	213.1	246.7	298.3	387.0	527.4	717.2	942.3	1180.2
110°	193.6	199.4	213.6	234.7	266.4	318.0	400.1	529.3	699.4	890.7	1099.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	214.3	221.1	234.2	255.4	287.0	336.8	414.2	534.8	690.9	861.5	1040.4
115°	245.3	253.5	265.2	287.5	319.2	366.1	436.6	545.6	686.5	834.4	981.0
117.5°	276.0	283.3	296.2	317.1	349.9	394.6	459.3	557.1	685.3	822.1	951.9
120°	295.7	304.0	316.8	336.8	369.6	414.2	475.2	565.6	685.3	815.6	938.8
122.5°	314.5	322.8	334.7	356.5	388.4	433.0	490.3	574.1	684.4	808.1	927.5
125°	341.4	348.5	361.4	383.7	416.6	458.8	512.8	586.7	683.0	795.6	908.3
127.5°	362.3	370.8	385.6	408.8	441.9	482.7	532.3	596.8	680.3	778.9	884.7
130°	375.5	384.9	402.5	424.7	458.8	498.8	544.5	604.3	679.4	768.6	866.1
132.5°	386.8	399.0	415.7	439.8	472.0	511.9	556.7	610.9	678.5	759.2	846.3
135°	404.9	416.6	436.6	461.2	491.7	530.4	572.7	620.8	677.1	745.2	819.1
137.5°	421.7	434.6	453.6	479.3	508.4	544.5	583.9	626.6	676.8	733.0	794.5
140°	433.0	446.0	465.9	490.5	518.7	553.9	591.4	631.4	675.9	726.4	780.3
142.5°	446.2	458.1	477.2	500.8	528.1	562.3	597.0	635.1	675.9	720.7	767.2
145°	464.7	476.5	492.8	515.1	541.0	571.5	603.2	637.2	673.6	711.1	748.7
147.5°	483.2	493.5	510.5	529.0	552.2	580.9	608.5	638.3	669.3	702.5	733.5
150°	496.3	505.7	519.9	537.5	559.8	585.5	611.4	638.3	666.5	695.9	724.1
152.5°	507.7	517.1	530.2	545.9	566.3	589.4	613.3	636.5	661.9	688.3	713.7
155°	525.7	532.7	544.5	557.4	575.0	594.9	614.9	633.7	654.8	677.1	698.2
157.5°	541.2	547.8	556.9	568.2	582.1	599.0	614.9	630.7	647.5	665.6	681.6
160°	551.5	556.2	564.4	573.8	586.7	600.8	614.9	627.8	641.9	657.1	671.3
162.5°	560.0	563.7	571.0	579.5	589.6	602.7	614.9	625.0	636.2	649.6	660.9
165°	571.5	573.8	579.7	585.5	592.6	603.2	612.6	619.6	627.8	637.2	646.6
167.5°	580.9	582.1	586.5	589.8	595.2	602.9	609.8	614.0	619.4	625.9	632.8
170°	585.5	586.7	590.3	592.6	596.1	602.0	607.8	610.2	613.7	618.4	624.3
172.5°	590.3	590.5	593.1	594.5	597.0	601.1	606.0	606.4	608.0	611.9	616.7
175°	594.9	594.9	596.1	597.3	597.3	599.7	603.2	602.0	602.0	604.3	606.7
177.5°	597.3	596.3	597.3	597.3	597.3	598.2	600.1	598.2	598.2	599.2	600.1
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3	597.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6	1296.6
2.5°	1366.5	1367.5	1371.3	1374.3	1375.1	1379.5	1379.9
5°	1486.6	1495.8	1513.5	1515.1	1517.8	1531.8	1521.1
7.5°	1627.4	1650.5	1666.1	1679.7	1684.7	1690.7	1689.5
10°	1717.6	1752.0	1769.2	1796.5	1797.7	1804.6	1800.3
12.5°	1808.3	1848.3	1879.6	1884.6	1907.6	1911.2	1917.2
15°	1936.7	1979.1	2022.7	2038.2	2069.9	2077.5	2089.3
17.5°	2057.5	2100.8	2131.3	2171.6	2184.6	2202.0	2190.2
20°	2123.6	2170.9	2209.6	2241.3	2254.7	2264.3	2263.3
22.5°	2163.6	2211.3	2242.6	2266.6	2279.2	2283.3	2283.0
25°	2188.6	2216.0	2225.6	2234.8	2220.9	2216.0	2218.2
27.5°	2119.0	2111.9	2086.7	2053.6	2019.2	1992.0	1977.1
30°	2023.2	1981.4	1943.2	1876.5	1842.2	1821.8	1803.5
32.5°	1887.4	1821.1	1747.7	1686.7	1647.6	1617.3	1612.8
35°	1654.8	1554.9	1465.2	1390.5	1351.8	1319.1	1311.5
37.5°	1406.8	1303.0	1222.3	1156.6	1115.0	1091.9	1070.3
40°	1242.2	1153.2	1073.6	1017.7	986.1	969.5	956.0
42.5°	1115.5	1034.1	955.0	912.5	883.8	873.6	865.8
45°	940.4	864.7	809.9	777.7	761.0	743.9	735.8
47.5°	800.2	738.6	702.5	675.1	657.3	647.1	642.0
50°	720.7	670.2	638.0	617.1	601.0	592.9	588.7
52.5°	650.3	608.8	581.8	565.1	554.2	548.3	546.5
55°	560.2	528.5	511.3	496.9	488.8	483.4	481.2
57.5°	487.0	462.5	448.6	436.7	433.5	429.0	427.5
60°	438.8	420.0	408.2	400.1	397.5	392.0	393.1
62.5°	396.3	380.9	370.8	366.2	362.6	358.1	359.6
65°	335.2	323.9	318.5	314.2	309.9	307.2	309.3
67.5°	281.2	273.5	266.2	263.7	261.6	261.2	258.8
70°	246.0	239.5	233.1	231.5	231.5	229.3	228.8
72.5°	212.1	207.3	203.0	201.9	200.2	201.0	198.7
75°	163.8	160.1	158.4	156.8	156.3	156.3	154.7
77.5°	121.1	118.3	115.7	115.7	113.7	113.0	112.8
80°	91.8	90.8	88.7	88.7	87.6	88.1	87.1
82.5°	69.1	67.6	67.2	66.2	64.7	64.8	63.8
85°	37.1	35.4	34.9	33.3	32.2	33.3	32.2
87.5°	17.4	17.2	16.8	16.1	15.9	15.7	14.3
90°	22.3	23.4	23.4	24.6	25.9	24.6	24.6
92.5°	173.4	138.0	114.5	100.7	94.3	90.4	90.4
95°	687.6	530.4	416.6	359.1	322.8	301.5	286.3
97.5°	1217.1	1102.4	979.9	895.5	825.0	789.7	765.4
100°	1438.7	1381.2	1294.3	1192.2	1120.6	1085.5	1076.1
102.5°	1525.0	1541.7	1505.5	1442.9	1391.0	1353.9	1346.5
105°	1517.3	1633.5	1681.5	1683.9	1674.6	1658.1	1651.0
107.5°	1396.4	1560.0	1664.7	1722.6	1749.4	1761.1	1764.2
110°	1302.5	1472.7	1601.7	1685.1	1734.3	1755.5	1766.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	1219.9	1380.7	1509.7	1604.4	1664.0	1693.5	1710.7
115°	1125.4	1262.6	1375.3	1468.0	1538.4	1576.0	1585.4
117.5°	1071.4	1179.3	1274.9	1353.9	1413.1	1451.1	1458.3
120°	1047.9	1141.8	1225.1	1292.0	1343.6	1374.1	1387.0
122.5°	1032.9	1118.3	1191.3	1247.9	1292.0	1317.8	1330.7
125°	1009.2	1090.1	1154.7	1201.6	1235.7	1258.0	1265.0
127.5°	981.3	1062.0	1123.3	1170.4	1200.7	1219.5	1226.5
130°	958.8	1038.5	1100.8	1148.8	1178.1	1196.9	1204.0
132.5°	933.4	1011.3	1073.5	1120.6	1153.8	1171.5	1178.6
135°	895.3	966.9	1025.6	1072.6	1105.4	1124.2	1131.3
137.5°	859.0	919.3	972.3	1016.2	1048.6	1064.1	1072.6
140°	835.5	888.3	937.6	978.7	1004.5	1020.9	1030.3
142.5°	815.8	861.1	903.8	940.2	964.1	978.7	985.2
145°	788.6	823.7	856.7	886.0	905.9	917.7	923.5
147.5°	765.1	793.2	819.1	840.7	857.8	866.8	868.8
150°	751.0	774.5	795.6	814.4	829.6	836.7	837.9
152.5°	736.9	758.5	775.9	791.8	804.3	808.5	809.7
155°	717.0	734.6	748.7	760.4	769.8	773.4	773.4
157.5°	697.3	712.1	723.4	732.3	739.3	741.4	741.4
160°	684.1	697.0	706.4	713.5	720.5	721.6	721.6
162.5°	672.0	682.1	690.4	695.6	702.7	703.9	702.9
165°	653.6	661.9	667.7	672.4	677.1	675.9	674.8
167.5°	638.1	644.7	648.2	650.6	653.6	653.4	652.5
170°	627.8	632.5	636.0	638.3	639.5	638.3	638.3
172.5°	619.4	622.2	624.7	626.1	627.3	626.1	624.3
175°	607.8	610.2	610.2	610.2	612.6	610.2	607.8
177.5°	601.1	601.1	602.0	601.1	602.0	600.1	598.2
180°	597.3	597.3	597.3	597.3	597.3	597.3	597.3

(END OF REPORT)