

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: P333322-930

Luminaire Tested: **S125DIP-S1270D1035U930-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333322-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S1270D1035U930-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

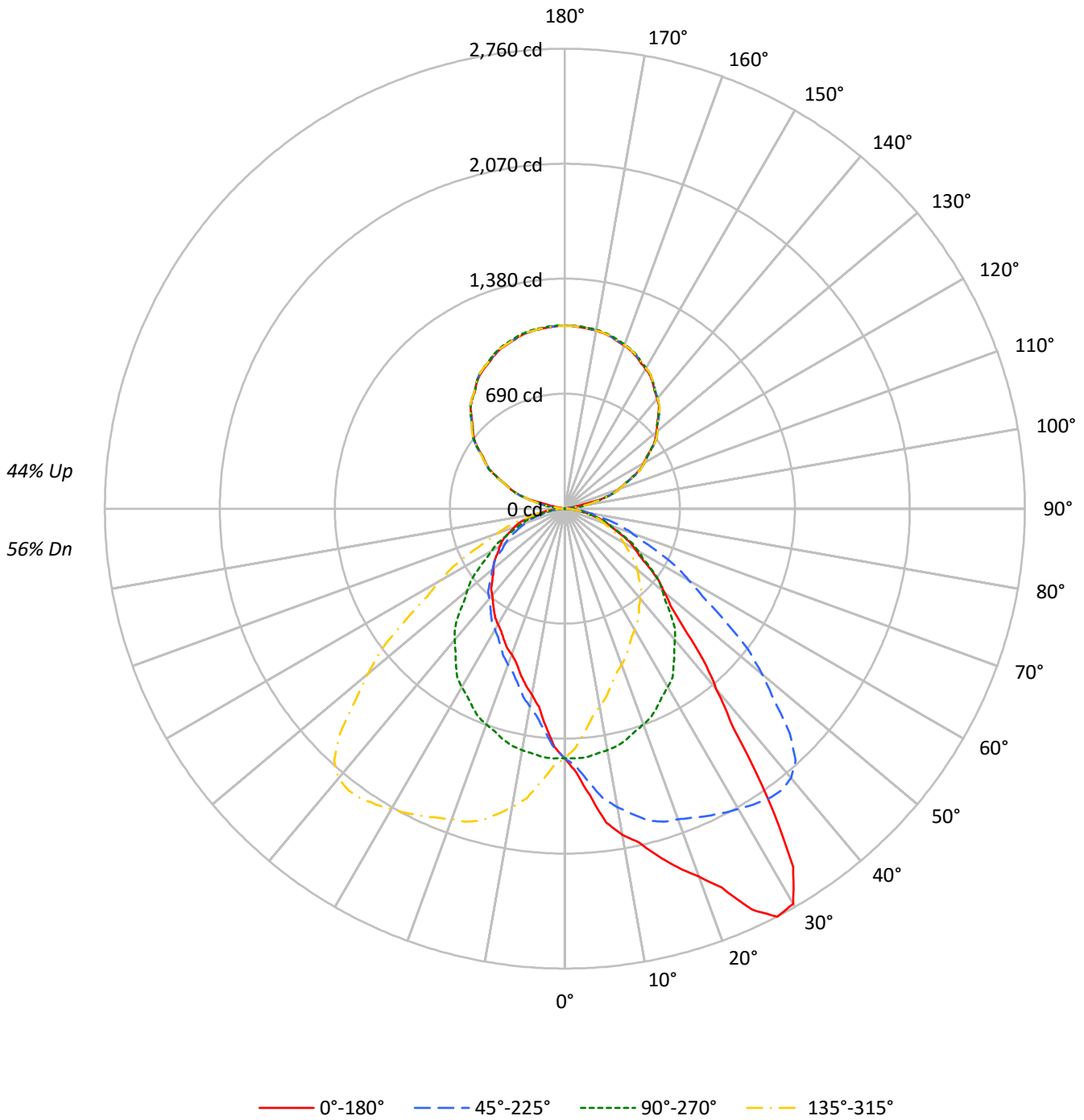
Lumens per Lamp: N/A
Luminaire Lumens: 7599.8 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: General Diffuse

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	99	95	91	88	92	88	85	82	76	74	72	65	63	62	55	53	52	47
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	48	46	44	40
3	83	73	66	60	77	69	62	57	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	39	35	33	29
5	70	58	50	44	65	54	47	42	47	42	37	41	36	33	35	31	29	26
6	64	52	44	38	60	49	42	36	43	37	33	37	32	29	32	28	25	23
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	23	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	26	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9671	9671	9671	9671
5°	11199	9703	8496	9703
10°	13029	9653	7444	9653
15°	14422	9582	6867	9582
20°	16144	9470	6403	9470
25°	18912	9344	6178	9344
30°	20427	9219	5982	9219
35°	16796	8984	5852	8984
40°	11938	8658	5712	8658
45°	9171	8219	5630	8219
50°	7829	7675	5620	7675
55°	6971	7142	5668	7142
60°	6288	6559	5813	6559
65°	5809	5974	5963	5974
70°	5280	5365	6048	5365
75°	4664	4726	5996	4726
80°	3924	3853	5482	3853
85°	3105	2779	4431	2779



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	1.9
10°-20°	429.2	5.6
20°-30°	696.9	9.2
30°-40°	850.1	11.2
40°-50°	773.3	10.2
50°-60°	616.0	8.1
60°-70°	429.0	5.6
70°-80°	228.8	3.0
80°-90°	60.0	0.8
90°-100°	39.9	0.5
100°-110°	245.9	3.2
110°-120°	446.1	5.9
120°-130°	572.5	7.5
130°-140°	615.7	8.1
140°-150°	578.0	7.6
150°-160°	467.5	6.2
160°-170°	302.4	4.0
170°-180°	104.3	1.4
0°-30°	1270.2	16.7
0°-40°	2120.3	27.9
0°-60°	3509.7	46.2
0°-90°	4227.5	55.6
90°-120°	731.9	9.6
90°-150°	2498.1	32.9
90°-180°	3372.0	44.4
0°-180°	7599.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1727	1497	1310	1497	1727	174
15°	2157	1433	1027	1433	2157	617
25°	2654	1311	867	1311	2654	1212
35°	2130	1140	742	1140	2130	1304
45°	1004	900	616	900	1004	804
55°	619	634	503	634	619	558
65°	380	391	390	391	380	377
75°	187	189	240	189	187	201
85°	42	38	60	38	42	49
90°	20	1	20	1	20	10
95°	17	46	17	46	17	14
105°	242	239	242	239	242	219
115°	446	449	446	449	446	443
125°	639	639	639	639	639	568
135°	794	797	794	797	794	613
145°	922	924	922	924	922	576
155°	1010	1018	1010	1018	1010	466
165°	1068	1074	1068	1074	1068	301
175°	1093	1098	1093	1098	1093	104
180°	1098	1098	1098	1098	1098	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1583.8	1581.8	1579.7	1575.6	1578.7	1570.0	1565.9	1558.9	1550.2	1547.2	1543.6
5°	1727.4	1730.6	1733.7	1720.4	1721.7	1712.8	1692.5	1675.9	1662.6	1645.4	1633.4
7.5°	1900.3	1892.8	1892.1	1883.5	1868.7	1856.7	1835.3	1808.1	1781.8	1751.8	1727.0
10°	1986.7	1987.4	1981.7	1971.5	1955.6	1944.2	1916.2	1889.5	1857.1	1818.9	1791.6
12.5°	2051.8	2054.5	2047.2	2033.5	2025.7	2000.1	1978.2	1946.4	1907.9	1877.4	1835.8
15°	2157.0	2150.0	2145.0	2127.8	2114.5	2087.7	2052.8	2019.7	1977.8	1939.0	1900.3
17.5°	2258.5	2264.1	2254.5	2238.9	2197.5	2166.3	2119.5	2074.1	2021.9	1969.9	1923.7
20°	2349.0	2354.1	2339.4	2312.1	2262.5	2231.4	2169.8	2111.3	2050.9	1984.2	1933.3
22.5°	2461.9	2457.8	2438.1	2396.5	2353.5	2296.0	2229.3	2158.0	2082.4	2007.0	1939.4
25°	2654.0	2627.3	2615.2	2563.8	2507.2	2422.7	2331.2	2226.9	2132.9	2033.1	1946.7
27.5°	2760.5	2752.1	2738.7	2702.9	2643.4	2552.9	2445.1	2318.1	2185.4	2059.4	1946.3
30°	2739.2	2740.5	2741.8	2730.3	2692.2	2624.1	2516.7	2380.1	2222.5	2080.8	1949.9
32.5°	2550.1	2573.2	2595.3	2621.5	2632.2	2619.1	2551.8	2428.5	2266.2	2105.2	1947.8
35°	2130.4	2137.3	2209.1	2280.3	2376.9	2451.9	2502.2	2447.4	2310.8	2125.9	1945.4
37.5°	1661.1	1695.4	1745.1	1825.5	1965.0	2089.8	2250.3	2324.2	2280.1	2132.7	1941.0
40°	1416.0	1447.8	1480.2	1562.2	1679.8	1831.0	2013.4	2169.1	2205.3	2111.3	1925.7
42.5°	1226.9	1252.1	1288.0	1349.6	1447.9	1581.8	1756.2	1959.7	2084.8	2049.3	1893.7
45°	1004.1	1020.0	1048.0	1097.0	1168.2	1273.0	1426.8	1649.3	1843.1	1907.2	1817.6
47.5°	859.5	859.4	881.1	914.9	966.3	1055.4	1169.1	1343.5	1550.5	1703.6	1696.6
50°	779.2	776.0	793.1	822.4	863.1	922.2	1030.9	1170.0	1369.0	1542.5	1590.7
52.5°	710.0	710.4	721.0	742.6	776.7	827.1	908.3	1033.8	1203.7	1381.8	1472.8
55°	619.1	616.4	628.5	643.2	668.0	701.0	759.5	855.4	993.4	1168.7	1286.9
57.5°	535.7	542.7	547.5	557.7	578.2	600.3	649.6	720.1	829.5	980.0	1105.0
60°	486.8	493.8	497.7	507.8	524.3	543.4	581.6	638.7	730.9	860.5	984.5
62.5°	443.1	448.6	449.8	459.0	472.5	491.1	521.1	569.1	641.9	755.3	876.7
65°	380.1	380.1	382.6	392.2	398.5	415.0	437.9	472.9	531.3	619.6	723.3
67.5°	319.3	322.4	321.7	325.9	331.7	344.6	361.0	389.9	433.2	497.7	580.5
70°	279.6	282.2	281.5	284.7	291.1	299.4	312.7	340.0	371.1	426.5	497.7
72.5°	244.0	245.1	243.4	247.6	251.4	258.7	273.5	288.1	317.2	363.9	422.4
75°	186.9	188.1	189.4	191.9	195.8	199.6	207.2	221.8	240.8	275.8	313.3
77.5°	140.1	137.6	140.7	140.3	142.5	145.4	152.1	159.9	175.5	197.6	226.7
80°	105.5	106.2	106.2	106.8	110.0	111.9	117.6	123.3	135.3	151.9	172.3
82.5°	77.0	78.7	77.7	78.8	81.4	82.8	86.0	90.7	97.8	110.7	125.5
85°	41.9	38.8	40.0	41.3	41.3	41.9	44.5	46.4	50.2	55.3	61.0
87.5°	16.1	17.0	17.4	17.3	17.7	17.5	19.4	19.2	20.5	21.9	23.7
90°	19.6	19.0	18.4	17.9	17.4	16.6	15.7	14.8	13.9	13.0	11.7
92.5°	18.3	18.0	17.7	17.4	17.2	16.6	15.7	14.8	13.9	13.0	11.9
95°	17.1	17.1	17.1	17.1	17.1	16.6	15.7	14.8	13.9	13.0	19.9
97.5°	17.1	17.1	17.1	17.1	17.1	19.6	24.8	29.8	35.0	40.0	53.6
100°	17.1	17.9	18.5	19.2	20.0	33.8	60.8	87.7	114.7	141.6	140.9
102.5°	102.4	114.7	127.0	139.3	151.6	160.3	165.4	170.5	175.6	180.8	180.3
105°	241.7	242.0	242.1	242.3	242.5	242.6	242.6	242.6	242.6	242.6	242.6
107.5°	304.8	305.3	305.9	306.4	307.0	307.2	307.2	307.1	307.1	307.0	306.7
110°	348.4	348.2	348.1	347.9	347.7	347.9	348.4	348.9	349.5	350.0	349.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	387.5	387.8	388.0	388.2	388.5	389.0	389.6	390.4	391.0	391.8	391.5
115°	446.1	447.2	448.3	449.4	450.5	451.3	452.1	452.8	453.6	454.2	454.0
117.5°	508.6	509.1	509.6	510.1	510.5	511.2	512.2	513.1	514.0	514.9	514.3
120°	547.1	548.0	548.9	549.8	550.7	551.3	551.6	552.0	552.4	552.8	552.2
122.5°	583.5	584.6	585.6	586.7	587.7	588.4	588.8	589.1	589.5	589.9	589.6
125°	639.0	639.6	640.1	640.7	641.2	641.8	642.5	643.3	644.0	644.7	644.7
127.5°	685.7	687.1	688.4	689.7	691.1	691.9	692.4	692.8	693.2	693.6	693.7
130°	719.6	720.6	721.5	722.4	723.3	724.0	724.5	725.0	725.6	726.1	725.9
132.5°	750.9	751.8	752.7	753.6	754.5	755.0	755.1	755.2	755.3	755.5	755.9
135°	793.7	794.8	795.9	797.0	798.0	798.7	799.2	799.5	799.8	800.2	800.5
137.5°	836.7	837.6	838.5	839.5	840.4	840.9	840.8	840.7	840.7	840.6	840.9
140°	862.1	863.2	864.2	865.4	866.4	866.7	866.4	866.1	865.7	865.4	865.5
142.5°	886.1	887.3	888.4	889.4	890.6	891.0	891.0	890.9	890.8	890.7	890.5
145°	921.5	922.6	923.7	924.8	925.9	926.3	926.1	925.9	925.8	925.6	925.6
147.5°	950.6	951.9	953.2	954.6	955.9	956.4	956.2	955.9	955.8	955.5	955.3
150°	969.6	970.9	972.4	973.9	975.3	975.8	975.5	975.2	974.8	974.4	974.0
152.5°	987.1	988.4	989.7	991.0	992.3	992.8	992.5	992.1	991.7	991.3	991.0
155°	1010.2	1011.7	1013.1	1014.6	1016.0	1016.5	1015.9	1015.4	1014.9	1014.3	1013.9
157.5°	1029.6	1031.0	1032.5	1034.0	1035.4	1035.8	1035.3	1034.7	1034.1	1033.6	1033.5
160°	1042.0	1043.4	1044.9	1046.4	1047.7	1048.1	1047.4	1046.7	1045.9	1045.2	1045.1
162.5°	1053.0	1054.7	1056.2	1057.9	1059.4	1059.7	1058.7	1057.7	1056.7	1055.6	1055.5
165°	1068.0	1069.5	1070.9	1072.4	1073.8	1074.0	1072.9	1071.8	1070.7	1069.7	1069.5
167.5°	1078.5	1080.1	1081.7	1083.4	1085.0	1085.2	1083.9	1082.6	1081.2	1079.9	1079.7
170°	1084.3	1086.0	1087.6	1089.2	1090.8	1091.0	1089.5	1088.0	1086.5	1085.2	1084.9
172.5°	1088.3	1089.8	1091.4	1093.1	1094.7	1094.9	1093.6	1092.3	1091.0	1089.6	1089.3
175°	1093.2	1094.9	1096.5	1098.1	1099.8	1099.8	1098.5	1097.0	1095.5	1094.1	1093.9
177.5°	1096.2	1097.4	1098.5	1099.7	1100.8	1100.9	1099.9	1098.9	1097.9	1096.8	1096.7
180°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1540.6	1537.0	1532.9	1525.8	1517.2	1512.6	1505.5	1500.9	1491.8	1484.1	1476.0
5°	1618.7	1602.2	1587.0	1567.2	1545.6	1531.6	1515.2	1496.7	1477.6	1457.9	1436.3
7.5°	1699.7	1670.5	1638.7	1604.5	1571.1	1540.3	1510.9	1482.1	1455.1	1422.6	1395.1
10°	1754.1	1717.3	1677.8	1631.4	1586.3	1546.9	1506.8	1471.9	1436.3	1398.2	1364.5
12.5°	1808.5	1759.4	1703.7	1652.8	1598.6	1550.9	1503.8	1459.2	1414.5	1372.2	1333.0
15°	1846.9	1803.7	1752.2	1679.8	1618.7	1553.3	1491.0	1433.1	1379.2	1332.1	1282.5
17.5°	1872.2	1816.5	1761.2	1691.7	1611.8	1538.6	1467.9	1401.7	1340.8	1281.2	1233.5
20°	1876.7	1819.6	1761.7	1693.7	1611.8	1527.9	1457.3	1377.9	1312.4	1250.8	1192.3
22.5°	1875.3	1810.4	1747.5	1677.5	1597.5	1520.2	1434.9	1354.0	1282.9	1222.3	1161.2
25°	1860.8	1791.6	1712.8	1642.3	1563.4	1481.5	1395.1	1311.2	1238.7	1169.4	1109.1
27.5°	1848.9	1759.1	1669.8	1587.6	1511.5	1436.3	1353.6	1267.6	1187.3	1117.1	1060.2
30°	1834.2	1735.7	1635.2	1549.5	1471.3	1398.2	1320.1	1236.2	1152.3	1083.6	1022.6
32.5°	1821.0	1706.2	1600.2	1506.8	1424.0	1352.9	1280.8	1201.0	1118.7	1049.0	988.0
35°	1795.5	1662.6	1541.2	1435.7	1347.4	1274.2	1213.9	1139.5	1063.9	996.5	938.1
37.5°	1763.0	1605.4	1475.1	1364.5	1267.6	1190.7	1134.4	1077.3	1004.8	939.9	887.0
40°	1737.6	1564.7	1426.8	1313.7	1213.2	1133.2	1081.1	1027.0	966.7	906.3	850.4
42.5°	1705.5	1528.1	1378.0	1256.2	1156.8	1078.8	1024.1	978.2	925.0	868.7	816.8
45°	1646.7	1461.8	1299.0	1168.2	1067.7	990.8	934.3	899.9	859.9	806.5	762.6
47.5°	1560.2	1382.0	1213.7	1078.6	975.0	903.8	850.8	817.8	789.6	749.9	710.1
50°	1483.4	1322.6	1152.3	1018.1	914.5	842.7	793.8	763.9	739.8	709.2	675.6
52.5°	1397.4	1247.8	1091.8	959.2	856.6	785.8	737.8	711.6	691.5	669.6	636.4
55°	1260.9	1133.8	988.9	863.1	768.3	699.1	657.1	634.3	617.8	601.2	580.9
57.5°	1110.5	1011.1	882.8	767.8	680.5	617.5	578.4	556.1	543.2	534.8	522.8
60°	1004.8	919.7	809.0	704.2	619.1	563.1	525.0	507.8	497.0	490.0	481.1
62.5°	906.7	836.7	734.3	638.6	564.1	511.2	477.2	460.5	450.2	446.8	439.4
65°	762.0	708.0	623.5	544.0	480.5	435.4	406.8	390.9	384.5	380.7	381.3
67.5°	619.5	586.6	518.7	450.9	400.2	362.4	339.5	327.3	324.2	319.0	318.9
70°	532.6	507.8	450.6	391.5	346.3	317.2	296.8	284.1	280.9	278.3	277.8
72.5°	455.8	434.1	384.5	337.1	296.5	270.8	254.1	246.5	241.2	239.7	239.6
75°	342.6	330.5	291.1	253.6	225.6	207.8	196.4	189.4	185.6	184.9	185.6
77.5°	243.5	233.0	208.0	181.4	163.7	150.3	140.6	138.2	133.9	134.0	133.3
80°	183.0	176.0	160.1	139.2	124.6	113.2	108.0	103.6	102.3	100.4	102.3
82.5°	132.7	125.2	114.4	101.0	88.9	82.1	77.0	75.7	74.8	73.9	74.4
85°	65.5	66.1	59.8	49.6	44.5	40.7	37.5	37.5	36.9	36.2	36.9
87.5°	24.5	23.2	21.0	19.1	16.3	14.4	13.7	13.9	12.6	12.5	13.2
90°	10.5	9.2	8.0	6.6	5.1	3.7	2.3	0.8	2.3	3.7	5.1
92.5°	10.8	9.6	8.6	8.5	9.5	10.5	11.5	12.6	11.5	10.5	9.5
95°	26.7	33.7	40.5	44.3	44.8	45.3	45.8	46.4	45.8	45.3	44.8
97.5°	67.3	80.9	94.5	100.8	99.8	98.8	97.8	96.9	97.8	98.8	99.8
100°	140.2	139.5	138.8	138.1	137.5	137.1	136.5	135.9	136.5	137.1	137.5
102.5°	179.9	179.4	179.0	178.4	177.7	177.1	176.3	175.7	176.3	177.1	177.7
105°	242.6	242.6	242.6	242.2	241.5	240.8	240.0	239.3	240.0	240.8	241.5
107.5°	306.3	306.0	305.6	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
110°	349.4	348.9	348.6	348.4	348.4	348.4	348.4	348.4	348.4	348.4	348.4



TEST NUMBER: P333322-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	391.3	391.1	390.9	390.5	390.1	389.6	389.2	388.8	389.2	389.6	390.1
115°	453.9	453.7	453.6	453.0	452.1	451.2	450.3	449.4	450.3	451.2	452.1
117.5°	513.6	512.9	512.3	511.9	511.9	511.9	512.0	512.0	512.0	511.9	511.9
120°	551.6	551.1	550.6	550.4	550.6	550.7	550.9	551.1	550.9	550.7	550.6
122.5°	589.4	589.1	588.8	588.4	587.7	587.0	586.3	585.6	586.3	587.0	587.7
125°	644.7	644.7	644.7	644.1	642.9	641.6	640.3	639.0	640.3	641.6	642.9
127.5°	693.8	693.9	694.0	693.6	692.7	691.8	690.9	690.0	690.9	691.8	692.7
130°	725.8	725.6	725.4	724.9	724.0	723.1	722.2	721.2	722.2	723.1	724.0
132.5°	756.3	756.6	757.0	756.7	755.6	754.6	753.6	752.5	753.6	754.6	755.6
135°	801.0	801.3	801.7	801.3	800.2	799.2	798.0	797.0	798.0	799.2	800.2
137.5°	841.2	841.6	841.9	841.6	840.7	839.7	838.8	837.8	838.8	839.7	840.7
140°	865.7	865.8	866.1	865.9	865.6	865.3	864.9	864.5	864.9	865.3	865.6
142.5°	890.2	890.0	889.7	889.5	889.2	889.1	888.8	888.6	888.8	889.1	889.2
145°	925.6	925.6	925.6	925.4	925.0	924.6	924.3	924.0	924.3	924.6	925.0
147.5°	955.1	954.9	954.6	954.6	954.6	954.7	954.8	954.9	954.8	954.7	954.6
150°	973.7	973.3	973.0	973.0	973.3	973.7	974.0	974.4	974.0	973.7	973.3
152.5°	990.6	990.3	989.9	990.1	990.9	991.7	992.5	993.3	992.5	991.7	990.9
155°	1013.6	1013.3	1012.8	1013.3	1014.3	1015.4	1016.5	1017.6	1016.5	1015.4	1014.3
157.5°	1033.5	1033.4	1033.4	1033.7	1034.4	1035.0	1035.6	1036.2	1035.6	1035.0	1034.4
160°	1044.9	1044.7	1044.5	1045.0	1046.0	1047.2	1048.2	1049.3	1048.2	1047.2	1046.0
162.5°	1055.3	1055.1	1054.9	1055.4	1056.5	1057.5	1058.7	1059.7	1058.7	1057.5	1056.5
165°	1069.3	1069.1	1068.9	1069.4	1070.5	1071.5	1072.6	1073.7	1072.6	1071.5	1070.5
167.5°	1079.5	1079.4	1079.2	1079.7	1080.8	1081.9	1083.0	1084.2	1083.0	1081.9	1080.8
170°	1084.8	1084.6	1084.4	1084.9	1086.2	1087.4	1088.8	1090.0	1088.8	1087.4	1086.2
172.5°	1089.0	1088.7	1088.4	1088.8	1090.1	1091.4	1092.7	1093.9	1092.7	1091.4	1090.1
175°	1093.7	1093.6	1093.4	1093.8	1094.9	1096.0	1097.1	1098.1	1097.1	1096.0	1094.9
177.5°	1096.6	1096.4	1096.3	1096.7	1097.5	1098.4	1099.3	1100.1	1099.3	1098.4	1097.5
180°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1



TEST NUMBER: P333322-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1471.4	1465.8	1461.3	1451.1	1445.4	1437.9	1431.7	1438.4	1431.3	1434.3	1429.7
5°	1425.6	1407.7	1395.1	1376.6	1360.7	1346.1	1335.3	1333.3	1328.3	1325.8	1318.1
7.5°	1370.4	1348.1	1326.2	1302.1	1281.7	1261.0	1247.8	1236.9	1229.6	1220.1	1213.7
10°	1337.8	1308.0	1282.5	1253.3	1227.8	1205.7	1187.8	1178.9	1170.7	1158.6	1154.1
12.5°	1297.6	1266.7	1235.7	1204.5	1180.1	1155.3	1140.0	1126.6	1120.9	1107.3	1105.9
15°	1249.4	1203.1	1172.6	1140.8	1107.1	1086.8	1074.1	1059.5	1053.1	1043.6	1036.6
17.5°	1192.0	1150.6	1112.5	1079.5	1050.7	1033.6	1017.7	1007.7	996.8	990.6	979.1
20°	1150.3	1110.9	1072.8	1037.9	1015.6	995.9	983.2	973.6	962.2	959.0	947.6
22.5°	1115.2	1071.8	1035.2	1005.8	981.5	959.3	945.6	939.1	931.2	921.5	919.1
25°	1058.2	1013.1	981.9	952.7	931.1	910.8	901.2	892.9	885.3	878.3	875.8
27.5°	1008.9	968.6	931.6	905.1	886.3	867.8	859.4	849.4	843.8	838.1	831.3
30°	974.3	932.9	900.6	875.1	854.8	838.3	829.4	822.4	817.3	812.2	808.5
32.5°	938.7	900.4	869.0	844.2	823.8	811.3	803.5	798.5	792.9	786.8	782.0
35°	891.7	849.7	819.2	797.6	781.7	772.2	763.3	758.8	752.5	752.5	747.4
37.5°	838.7	802.4	775.5	755.8	741.5	733.0	723.4	720.3	716.2	713.5	711.8
40°	807.1	773.5	748.0	728.3	713.1	706.0	698.5	693.4	690.8	687.6	686.4
42.5°	774.6	742.4	718.0	699.9	686.6	680.7	673.5	670.0	664.9	660.7	660.0
45°	725.1	694.0	671.8	657.1	645.7	638.7	634.3	626.6	624.1	619.1	618.4
47.5°	678.2	648.4	626.6	614.6	604.5	598.8	591.8	584.2	581.3	578.7	578.5
50°	643.2	615.9	595.5	584.1	574.5	566.3	559.3	554.2	552.3	552.3	553.6
52.5°	607.6	584.3	567.0	553.0	544.0	535.2	528.8	525.7	522.8	525.9	528.2
55°	555.5	532.0	519.3	505.9	497.0	486.8	483.6	482.4	480.5	485.6	488.1
57.5°	500.3	483.8	468.9	455.7	447.7	441.8	437.5	436.8	440.3	442.7	450.9
60°	465.2	446.1	432.8	422.7	413.1	409.3	408.1	406.8	409.3	416.3	427.1
62.5°	426.6	411.1	396.7	389.1	382.0	375.8	375.4	376.3	381.3	389.3	400.1
65°	369.9	356.5	347.0	338.1	332.4	328.6	329.9	332.4	338.1	348.9	361.0
67.5°	312.3	303.1	294.6	287.4	281.9	281.9	283.2	287.0	293.8	306.2	317.2
70°	275.2	265.1	258.0	254.9	250.4	247.9	251.7	258.0	263.7	275.2	284.7
72.5°	238.1	229.4	224.0	221.8	219.9	217.8	219.2	226.0	233.7	245.2	256.2
75°	183.0	179.9	176.0	173.5	171.6	172.8	174.1	180.5	186.9	198.9	211.7
77.5°	133.6	130.3	128.0	127.3	126.4	126.9	130.5	135.3	141.5	150.3	159.9
80°	101.0	99.8	98.5	97.8	97.8	98.5	103.6	106.8	112.5	120.7	128.4
82.5°	73.6	72.8	72.6	72.5	73.0	73.1	76.1	80.3	85.0	91.2	97.8
85°	38.8	37.5	39.4	40.0	38.8	40.7	41.9	44.5	46.4	49.6	52.7
87.5°	14.0	15.3	15.1	15.8	16.1	17.4	17.0	19.2	20.5	21.6	21.3
90°	6.6	8.0	9.2	10.5	11.7	13.0	13.9	14.8	15.7	16.6	17.4
92.5°	8.5	8.6	9.6	10.8	11.9	13.0	13.9	14.8	15.7	16.6	17.2
95°	44.3	40.5	33.7	26.7	19.9	13.0	13.9	14.8	15.7	16.6	17.1
97.5°	100.8	94.5	80.9	67.3	53.6	40.0	35.0	29.8	24.8	19.6	17.1
100°	138.1	138.8	139.5	140.2	140.9	141.6	114.7	87.7	60.8	33.8	20.0
102.5°	178.4	179.0	179.4	179.9	180.3	180.8	175.6	170.5	165.4	160.3	151.6
105°	242.2	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.6	242.5
107.5°	305.4	305.6	306.0	306.3	306.7	307.0	307.1	307.1	307.2	307.2	307.0
110°	348.4	348.6	348.9	349.4	349.7	350.0	349.5	348.9	348.4	347.9	347.7



TEST NUMBER: P333322-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	390.5	390.9	391.1	391.3	391.5	391.8	391.0	390.4	389.6	389.0	388.5
115°	453.0	453.6	453.7	453.9	454.0	454.2	453.6	452.8	452.1	451.3	450.5
117.5°	511.9	512.3	512.9	513.6	514.3	514.9	514.0	513.1	512.2	511.2	510.5
120°	550.4	550.6	551.1	551.6	552.2	552.8	552.4	552.0	551.6	551.3	550.7
122.5°	588.4	588.8	589.1	589.4	589.6	589.9	589.5	589.1	588.8	588.4	587.7
125°	644.1	644.7	644.7	644.7	644.7	644.7	644.0	643.3	642.5	641.8	641.2
127.5°	693.6	694.0	693.9	693.8	693.7	693.6	693.2	692.8	692.4	691.9	691.1
130°	724.9	725.4	725.6	725.8	725.9	726.1	725.6	725.0	724.5	724.0	723.3
132.5°	756.7	757.0	756.6	756.3	755.9	755.5	755.3	755.2	755.1	755.0	754.5
135°	801.3	801.7	801.3	801.0	800.5	800.2	799.8	799.5	799.2	798.7	798.0
137.5°	841.6	841.9	841.6	841.2	840.9	840.6	840.7	840.7	840.8	840.9	840.4
140°	865.9	866.1	865.8	865.7	865.5	865.4	865.7	866.1	866.4	866.7	866.4
142.5°	889.5	889.7	890.0	890.2	890.5	890.7	890.8	890.9	891.0	891.0	890.6
145°	925.4	925.6	925.6	925.6	925.6	925.6	925.8	925.9	926.1	926.3	925.9
147.5°	954.6	954.6	954.9	955.1	955.3	955.5	955.8	955.9	956.2	956.4	955.9
150°	973.0	973.0	973.3	973.7	974.0	974.4	974.8	975.2	975.5	975.8	975.3
152.5°	990.1	989.9	990.3	990.6	991.0	991.3	991.7	992.1	992.5	992.8	992.3
155°	1013.3	1012.8	1013.3	1013.6	1013.9	1014.3	1014.9	1015.4	1015.9	1016.5	1016.0
157.5°	1033.7	1033.4	1033.4	1033.5	1033.5	1033.6	1034.1	1034.7	1035.3	1035.8	1035.4
160°	1045.0	1044.5	1044.7	1044.9	1045.1	1045.2	1045.9	1046.7	1047.4	1048.1	1047.7
162.5°	1055.4	1054.9	1055.1	1055.3	1055.5	1055.6	1056.7	1057.7	1058.7	1059.7	1059.4
165°	1069.4	1068.9	1069.1	1069.3	1069.5	1069.7	1070.7	1071.8	1072.9	1074.0	1073.8
167.5°	1079.7	1079.2	1079.4	1079.5	1079.7	1079.9	1081.2	1082.6	1083.9	1085.2	1085.0
170°	1084.9	1084.4	1084.6	1084.8	1084.9	1085.2	1086.5	1088.0	1089.5	1091.0	1090.8
172.5°	1088.8	1088.4	1088.7	1089.0	1089.3	1089.6	1091.0	1092.3	1093.6	1094.9	1094.7
175°	1093.8	1093.4	1093.6	1093.7	1093.9	1094.1	1095.5	1097.0	1098.5	1099.8	1099.8
177.5°	1096.7	1096.3	1096.4	1096.6	1096.7	1096.8	1097.9	1098.9	1099.9	1100.9	1100.8
180°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1



TEST NUMBER: P333322-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1426.7	1430.2	1427.2	1431.3	1427.2	1430.2	1426.7	1429.7	1434.3	1431.3	1438.4
5°	1314.9	1309.2	1313.0	1310.5	1313.0	1309.2	1314.9	1318.1	1325.8	1328.3	1333.3
7.5°	1211.7	1206.2	1200.0	1197.1	1200.0	1206.2	1211.7	1213.7	1220.1	1229.6	1236.9
10°	1147.1	1140.2	1139.5	1135.1	1139.5	1140.2	1147.1	1154.1	1158.6	1170.7	1178.9
12.5°	1099.8	1093.4	1086.1	1084.3	1086.1	1093.4	1099.8	1105.9	1107.3	1120.9	1126.6
15°	1032.7	1027.7	1023.2	1027.0	1023.2	1027.7	1032.7	1036.6	1043.6	1053.1	1059.5
17.5°	977.0	972.7	972.0	967.3	972.0	972.7	977.0	979.1	990.6	996.8	1007.7
20°	941.9	938.7	940.0	931.7	940.0	938.7	941.9	947.6	959.0	962.2	973.6
22.5°	914.0	907.7	906.9	905.3	906.9	907.7	914.0	919.1	921.5	931.2	939.1
25°	870.1	866.9	863.7	866.9	863.7	866.9	870.1	875.8	878.3	885.3	892.9
27.5°	831.8	828.0	827.1	827.4	827.1	828.0	831.8	831.3	838.1	843.8	849.4
30°	808.5	802.1	802.7	802.1	802.7	802.1	808.5	808.5	812.2	817.3	822.4
32.5°	783.0	778.7	777.8	776.7	777.8	778.7	783.0	782.0	786.8	792.9	798.5
35°	745.5	745.5	742.3	742.3	742.3	745.5	745.5	747.4	752.5	752.5	758.8
37.5°	710.3	709.6	707.8	708.0	707.8	709.6	710.3	711.8	713.5	716.2	720.3
40°	683.9	683.2	681.3	677.5	681.3	683.2	683.9	686.4	687.6	690.8	693.4
42.5°	658.4	656.2	655.3	654.1	655.3	656.2	658.4	660.0	660.7	664.9	670.0
45°	618.4	618.4	617.1	616.4	617.1	618.4	618.4	618.4	619.1	624.1	626.6
47.5°	579.5	580.7	583.0	582.7	583.0	580.7	579.5	578.5	578.7	581.3	584.2
50°	556.1	556.8	558.6	559.3	558.6	556.8	556.1	553.6	552.3	552.3	554.2
52.5°	530.2	533.9	536.3	535.9	536.3	533.9	530.2	528.2	525.9	522.8	525.7
55°	493.8	498.2	502.7	503.4	502.7	498.2	493.8	488.1	485.6	480.5	482.4
57.5°	457.9	464.1	468.8	470.3	468.8	464.1	457.9	450.9	442.7	440.3	436.8
60°	433.4	441.7	447.4	450.0	447.4	441.7	433.4	427.1	416.3	409.3	406.8
62.5°	410.0	419.3	425.0	425.6	425.0	419.3	410.0	400.1	389.3	381.3	376.3
65°	371.8	381.3	386.4	390.2	386.4	381.3	371.8	361.0	348.9	338.1	332.4
67.5°	330.6	340.1	345.8	348.8	345.8	340.1	330.6	317.2	306.2	293.8	287.0
70°	300.6	310.1	317.8	320.3	317.8	310.1	300.6	284.7	275.2	263.7	258.0
72.5°	271.1	279.6	285.8	288.8	285.8	279.6	271.1	256.2	245.2	233.7	226.0
75°	219.9	231.3	237.1	240.3	237.1	231.3	219.9	211.7	198.9	186.9	180.5
77.5°	169.6	180.0	183.4	185.1	183.4	180.0	169.6	159.9	150.3	141.5	135.3
80°	136.0	142.4	146.8	147.4	146.8	142.4	136.0	128.4	120.7	112.5	106.8
82.5°	104.5	109.8	111.2	112.8	111.2	109.8	104.5	97.8	91.2	85.0	80.3
85°	57.2	59.8	60.4	59.8	60.4	59.8	57.2	52.7	49.6	46.4	44.5
87.5°	22.4	22.0	22.1	23.2	22.1	22.0	22.4	21.3	21.6	20.5	19.2
90°	17.9	18.4	19.0	19.6	19.0	18.4	17.9	17.4	16.6	15.7	14.8
92.5°	17.4	17.7	18.0	18.3	18.0	17.7	17.4	17.2	16.6	15.7	14.8
95°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	16.6	15.7	14.8
97.5°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	19.6	24.8	29.8
100°	19.2	18.5	17.9	17.1	17.9	18.5	19.2	20.0	33.8	60.8	87.7
102.5°	139.3	127.0	114.7	102.4	114.7	127.0	139.3	151.6	160.3	165.4	170.5
105°	242.3	242.1	242.0	241.7	242.0	242.1	242.3	242.5	242.6	242.6	242.6
107.5°	306.4	305.9	305.3	304.8	305.3	305.9	306.4	307.0	307.2	307.2	307.1
110°	347.9	348.1	348.2	348.4	348.2	348.1	347.9	347.7	347.9	348.4	348.9



TEST NUMBER: P333322-930

CATALOG NUMBER: S125DIP-S1270D1035U930-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	388.2	388.0	387.8	387.5	387.8	388.0	388.2	388.5	389.0	389.6	390.4
115°	449.4	448.3	447.2	446.1	447.2	448.3	449.4	450.5	451.3	452.1	452.8
117.5°	510.1	509.6	509.1	508.6	509.1	509.6	510.1	510.5	511.2	512.2	513.1
120°	549.8	548.9	548.0	547.1	548.0	548.9	549.8	550.7	551.3	551.6	552.0
122.5°	586.7	585.6	584.6	583.5	584.6	585.6	586.7	587.7	588.4	588.8	589.1
125°	640.7	640.1	639.6	639.0	639.6	640.1	640.7	641.2	641.8	642.5	643.3
127.5°	689.7	688.4	687.1	685.7	687.1	688.4	689.7	691.1	691.9	692.4	692.8
130°	722.4	721.5	720.6	719.6	720.6	721.5	722.4	723.3	724.0	724.5	725.0
132.5°	753.6	752.7	751.8	750.9	751.8	752.7	753.6	754.5	755.0	755.1	755.2
135°	797.0	795.9	794.8	793.7	794.8	795.9	797.0	798.0	798.7	799.2	799.5
137.5°	839.5	838.5	837.6	836.7	837.6	838.5	839.5	840.4	840.9	840.8	840.7
140°	865.4	864.2	863.2	862.1	863.2	864.2	865.4	866.4	866.7	866.4	866.1
142.5°	889.4	888.4	887.3	886.1	887.3	888.4	889.4	890.6	891.0	891.0	890.9
145°	924.8	923.7	922.6	921.5	922.6	923.7	924.8	925.9	926.3	926.1	925.9
147.5°	954.6	953.2	951.9	950.6	951.9	953.2	954.6	955.9	956.4	956.2	955.9
150°	973.9	972.4	970.9	969.6	970.9	972.4	973.9	975.3	975.8	975.5	975.2
152.5°	991.0	989.7	988.4	987.1	988.4	989.7	991.0	992.3	992.8	992.5	992.1
155°	1014.6	1013.1	1011.7	1010.2	1011.7	1013.1	1014.6	1016.0	1016.5	1015.9	1015.4
157.5°	1034.0	1032.5	1031.0	1029.6	1031.0	1032.5	1034.0	1035.4	1035.8	1035.3	1034.7
160°	1046.4	1044.9	1043.4	1042.0	1043.4	1044.9	1046.4	1047.7	1048.1	1047.4	1046.7
162.5°	1057.9	1056.2	1054.7	1053.0	1054.7	1056.2	1057.9	1059.4	1059.7	1058.7	1057.7
165°	1072.4	1070.9	1069.5	1068.0	1069.5	1070.9	1072.4	1073.8	1074.0	1072.9	1071.8
167.5°	1083.4	1081.7	1080.1	1078.5	1080.1	1081.7	1083.4	1085.0	1085.2	1083.9	1082.6
170°	1089.2	1087.6	1086.0	1084.3	1086.0	1087.6	1089.2	1090.8	1091.0	1089.5	1088.0
172.5°	1093.1	1091.4	1089.8	1088.3	1089.8	1091.4	1093.1	1094.7	1094.9	1093.6	1092.3
175°	1098.1	1096.5	1094.9	1093.2	1094.9	1096.5	1098.1	1099.8	1099.8	1098.5	1097.0
177.5°	1099.7	1098.5	1097.4	1096.2	1097.4	1098.5	1099.7	1100.8	1100.9	1099.9	1098.9
180°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1431.7	1437.9	1445.4	1451.1	1461.3	1465.8	1471.4	1476.0	1484.1	1491.8	1500.9
5°	1335.3	1346.1	1360.7	1376.6	1395.1	1407.7	1425.6	1436.3	1457.9	1477.6	1496.7
7.5°	1247.8	1261.0	1281.7	1302.1	1326.2	1348.1	1370.4	1395.1	1422.6	1455.1	1482.1
10°	1187.8	1205.7	1227.8	1253.3	1282.5	1308.0	1337.8	1364.5	1398.2	1436.3	1471.9
12.5°	1140.0	1155.3	1180.1	1204.5	1235.7	1266.7	1297.6	1333.0	1372.2	1414.5	1459.2
15°	1074.1	1086.8	1107.1	1140.8	1172.6	1203.1	1249.4	1282.5	1332.1	1379.2	1433.1
17.5°	1017.7	1033.6	1050.7	1079.5	1112.5	1150.6	1192.0	1233.5	1281.2	1340.8	1401.7
20°	983.2	995.9	1015.6	1037.9	1072.8	1110.9	1150.3	1192.3	1250.8	1312.4	1377.9
22.5°	945.6	959.3	981.5	1005.8	1035.2	1071.8	1115.2	1161.2	1222.3	1282.9	1354.0
25°	901.2	910.8	931.1	952.7	981.9	1013.1	1058.2	1109.1	1169.4	1238.7	1311.2
27.5°	859.4	867.8	886.3	905.1	931.6	968.6	1008.9	1060.2	1117.1	1187.3	1267.6
30°	829.4	838.3	854.8	875.1	900.6	932.9	974.3	1022.6	1083.6	1152.3	1236.2
32.5°	803.5	811.3	823.8	844.2	869.0	900.4	938.7	988.0	1049.0	1118.7	1201.0
35°	763.3	772.2	781.7	797.6	819.2	849.7	891.7	938.1	996.5	1063.9	1139.5
37.5°	723.4	733.0	741.5	755.8	775.5	802.4	838.7	887.0	939.9	1004.8	1077.3
40°	698.5	706.0	713.1	728.3	748.0	773.5	807.1	850.4	906.3	966.7	1027.0
42.5°	673.5	680.7	686.6	699.9	718.0	742.4	774.6	816.8	868.7	925.0	978.2
45°	634.3	638.7	645.7	657.1	671.8	694.0	725.1	762.6	806.5	859.9	899.9
47.5°	591.8	598.8	604.5	614.6	626.6	648.4	678.2	710.1	749.9	789.6	817.8
50°	559.3	566.3	574.5	584.1	595.5	615.9	643.2	675.6	709.2	739.8	763.9
52.5°	528.8	535.2	544.0	553.0	567.0	584.3	607.6	636.4	669.6	691.5	711.6
55°	483.6	486.8	497.0	505.9	519.3	532.0	555.5	580.9	601.2	617.8	634.3
57.5°	437.5	441.8	447.7	455.7	468.9	483.8	500.3	522.8	534.8	543.2	556.1
60°	408.1	409.3	413.1	422.7	432.8	446.1	465.2	481.1	490.0	497.0	507.8
62.5°	375.4	375.8	382.0	389.1	396.7	411.1	426.6	439.4	446.8	450.2	460.5
65°	329.9	328.6	332.4	338.1	347.0	356.5	369.9	381.3	380.7	384.5	390.9
67.5°	283.2	281.9	281.9	287.4	294.6	303.1	312.3	318.9	319.0	324.2	327.3
70°	251.7	247.9	250.4	254.9	258.0	265.1	275.2	277.8	278.3	280.9	284.1
72.5°	219.2	217.8	219.9	221.8	224.0	229.4	238.1	239.6	239.7	241.2	246.5
75°	174.1	172.8	171.6	173.5	176.0	179.9	183.0	185.6	184.9	185.6	189.4
77.5°	130.5	126.9	126.4	127.3	128.0	130.3	133.6	133.3	134.0	133.9	138.2
80°	103.6	98.5	97.8	97.8	98.5	99.8	101.0	102.3	100.4	102.3	103.6
82.5°	76.1	73.1	73.0	72.5	72.6	72.8	73.6	74.4	73.9	74.8	75.7
85°	41.9	40.7	38.8	40.0	39.4	37.5	38.8	36.9	36.2	36.9	37.5
87.5°	17.0	17.4	16.1	15.8	15.1	15.3	14.0	13.2	12.5	12.6	13.9
90°	13.9	13.0	11.7	10.5	9.2	8.0	6.6	5.1	3.7	2.3	0.8
92.5°	13.9	13.0	11.9	10.8	9.6	8.6	8.5	9.5	10.5	11.5	12.6
95°	13.9	13.0	19.9	26.7	33.7	40.5	44.3	44.8	45.3	45.8	46.4
97.5°	35.0	40.0	53.6	67.3	80.9	94.5	100.8	99.8	98.8	97.8	96.9
100°	114.7	141.6	140.9	140.2	139.5	138.8	138.1	137.5	137.1	136.5	135.9
102.5°	175.6	180.8	180.3	179.9	179.4	179.0	178.4	177.7	177.1	176.3	175.7
105°	242.6	242.6	242.6	242.6	242.6	242.6	242.2	241.5	240.8	240.0	239.3
107.5°	307.1	307.0	306.7	306.3	306.0	305.6	305.4	305.4	305.4	305.4	305.4
110°	349.5	350.0	349.7	349.4	348.9	348.6	348.4	348.4	348.4	348.4	348.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	391.0	391.8	391.5	391.3	391.1	390.9	390.5	390.1	389.6	389.2	388.8
115°	453.6	454.2	454.0	453.9	453.7	453.6	453.0	452.1	451.2	450.3	449.4
117.5°	514.0	514.9	514.3	513.6	512.9	512.3	511.9	511.9	511.9	512.0	512.0
120°	552.4	552.8	552.2	551.6	551.1	550.6	550.4	550.6	550.7	550.9	551.1
122.5°	589.5	589.9	589.6	589.4	589.1	588.8	588.4	587.7	587.0	586.3	585.6
125°	644.0	644.7	644.7	644.7	644.7	644.7	644.1	642.9	641.6	640.3	639.0
127.5°	693.2	693.6	693.7	693.8	693.9	694.0	693.6	692.7	691.8	690.9	690.0
130°	725.6	726.1	725.9	725.8	725.6	725.4	724.9	724.0	723.1	722.2	721.2
132.5°	755.3	755.5	755.9	756.3	756.6	757.0	756.7	755.6	754.6	753.6	752.5
135°	799.8	800.2	800.5	801.0	801.3	801.7	801.3	800.2	799.2	798.0	797.0
137.5°	840.7	840.6	840.9	841.2	841.6	841.9	841.6	840.7	839.7	838.8	837.8
140°	865.7	865.4	865.5	865.7	865.8	866.1	865.9	865.6	865.3	864.9	864.5
142.5°	890.8	890.7	890.5	890.2	890.0	889.7	889.5	889.2	889.1	888.8	888.6
145°	925.8	925.6	925.6	925.6	925.6	925.6	925.4	925.0	924.6	924.3	924.0
147.5°	955.8	955.5	955.3	955.1	954.9	954.6	954.6	954.6	954.7	954.8	954.9
150°	974.8	974.4	974.0	973.7	973.3	973.0	973.0	973.3	973.7	974.0	974.4
152.5°	991.7	991.3	991.0	990.6	990.3	989.9	990.1	990.9	991.7	992.5	993.3
155°	1014.9	1014.3	1013.9	1013.6	1013.3	1012.8	1013.3	1014.3	1015.4	1016.5	1017.6
157.5°	1034.1	1033.6	1033.5	1033.5	1033.4	1033.4	1033.7	1034.4	1035.0	1035.6	1036.2
160°	1045.9	1045.2	1045.1	1044.9	1044.7	1044.5	1045.0	1046.0	1047.2	1048.2	1049.3
162.5°	1056.7	1055.6	1055.5	1055.3	1055.1	1054.9	1055.4	1056.5	1057.5	1058.7	1059.7
165°	1070.7	1069.7	1069.5	1069.3	1069.1	1068.9	1069.4	1070.5	1071.5	1072.6	1073.7
167.5°	1081.2	1079.9	1079.7	1079.5	1079.4	1079.2	1079.7	1080.8	1081.9	1083.0	1084.2
170°	1086.5	1085.2	1084.9	1084.8	1084.6	1084.4	1084.9	1086.2	1087.4	1088.8	1090.0
172.5°	1091.0	1089.6	1089.3	1089.0	1088.7	1088.4	1088.8	1090.1	1091.4	1092.7	1093.9
175°	1095.5	1094.1	1093.9	1093.7	1093.6	1093.4	1093.8	1094.9	1096.0	1097.1	1098.1
177.5°	1097.9	1096.8	1096.7	1096.6	1096.4	1096.3	1096.7	1097.5	1098.4	1099.3	1100.1
180°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1505.5	1512.6	1517.2	1525.8	1532.9	1537.0	1540.6	1543.6	1547.2	1550.2	1558.9
5°	1515.2	1531.6	1545.6	1567.2	1587.0	1602.2	1618.7	1633.4	1645.4	1662.6	1675.9
7.5°	1510.9	1540.3	1571.1	1604.5	1638.7	1670.5	1699.7	1727.0	1751.8	1781.8	1808.1
10°	1506.8	1546.9	1586.3	1631.4	1677.8	1717.3	1754.1	1791.6	1818.9	1857.1	1889.5
12.5°	1503.8	1550.9	1598.6	1652.8	1703.7	1759.4	1808.5	1835.8	1877.4	1907.9	1946.4
15°	1491.0	1553.3	1618.7	1679.8	1752.2	1803.7	1846.9	1900.3	1939.0	1977.8	2019.7
17.5°	1467.9	1538.6	1611.8	1691.7	1761.2	1816.5	1872.2	1923.7	1969.9	2021.9	2074.1
20°	1457.3	1527.9	1611.8	1693.7	1761.7	1819.6	1876.7	1933.3	1984.2	2050.9	2111.3
22.5°	1434.9	1520.2	1597.5	1677.5	1747.5	1810.4	1875.3	1939.4	2007.0	2082.4	2158.0
25°	1395.1	1481.5	1563.4	1642.3	1712.8	1791.6	1860.8	1946.7	2033.1	2132.9	2226.9
27.5°	1353.6	1436.3	1511.5	1587.6	1669.8	1759.1	1848.9	1946.3	2059.4	2185.4	2318.1
30°	1320.1	1398.2	1471.3	1549.5	1635.2	1735.7	1834.2	1949.9	2080.8	2222.5	2380.1
32.5°	1280.8	1352.9	1424.0	1506.8	1600.2	1706.2	1821.0	1947.8	2105.2	2266.2	2428.5
35°	1213.9	1274.2	1347.4	1435.7	1541.2	1662.6	1795.5	1945.4	2125.9	2310.8	2447.4
37.5°	1134.4	1190.7	1267.6	1364.5	1475.1	1605.4	1763.0	1941.0	2132.7	2280.1	2324.2
40°	1081.1	1133.2	1213.2	1313.7	1426.8	1564.7	1737.6	1925.7	2111.3	2205.3	2169.1
42.5°	1024.1	1078.8	1156.8	1256.2	1378.0	1528.1	1705.5	1893.7	2049.3	2084.8	1959.7
45°	934.3	990.8	1067.7	1168.2	1299.0	1461.8	1646.7	1817.6	1907.2	1843.1	1649.3
47.5°	850.8	903.8	975.0	1078.6	1213.7	1382.0	1560.2	1696.6	1703.6	1550.5	1343.5
50°	793.8	842.7	914.5	1018.1	1152.3	1322.6	1483.4	1590.7	1542.5	1369.0	1170.0
52.5°	737.8	785.8	856.6	959.2	1091.8	1247.8	1397.4	1472.8	1381.8	1203.7	1033.8
55°	657.1	699.1	768.3	863.1	988.9	1133.8	1260.9	1286.9	1168.7	993.4	855.4
57.5°	578.4	617.5	680.5	767.8	882.8	1011.1	1110.5	1105.0	980.0	829.5	720.1
60°	525.0	563.1	619.1	704.2	809.0	919.7	1004.8	984.5	860.5	730.9	638.7
62.5°	477.2	511.2	564.1	638.6	734.3	836.7	906.7	876.7	755.3	641.9	569.1
65°	406.8	435.4	480.5	544.0	623.5	708.0	762.0	723.3	619.6	531.3	472.9
67.5°	339.5	362.4	400.2	450.9	518.7	586.6	619.5	580.5	497.7	433.2	389.9
70°	296.8	317.2	346.3	391.5	450.6	507.8	532.6	497.7	426.5	371.1	340.0
72.5°	254.1	270.8	296.5	337.1	384.5	434.1	455.8	422.4	363.9	317.2	288.1
75°	196.4	207.8	225.6	253.6	291.1	330.5	342.6	313.3	275.8	240.8	221.8
77.5°	140.6	150.3	163.7	181.4	208.0	233.0	243.5	226.7	197.6	175.5	159.9
80°	108.0	113.2	124.6	139.2	160.1	176.0	183.0	172.3	151.9	135.3	123.3
82.5°	77.0	82.1	88.9	101.0	114.4	125.2	132.7	125.5	110.7	97.8	90.7
85°	37.5	40.7	44.5	49.6	59.8	66.1	65.5	61.0	55.3	50.2	46.4
87.5°	13.7	14.4	16.3	19.1	21.0	23.2	24.5	23.7	21.9	20.5	19.2
90°	2.3	3.7	5.1	6.6	8.0	9.2	10.5	11.7	13.0	13.9	14.8
92.5°	11.5	10.5	9.5	8.5	8.6	9.6	10.8	11.9	13.0	13.9	14.8
95°	45.8	45.3	44.8	44.3	40.5	33.7	26.7	19.9	13.0	13.9	14.8
97.5°	97.8	98.8	99.8	100.8	94.5	80.9	67.3	53.6	40.0	35.0	29.8
100°	136.5	137.1	137.5	138.1	138.8	139.5	140.2	140.9	141.6	114.7	87.7
102.5°	176.3	177.1	177.7	178.4	179.0	179.4	179.9	180.3	180.8	175.6	170.5
105°	240.0	240.8	241.5	242.2	242.6	242.6	242.6	242.6	242.6	242.6	242.6
107.5°	305.4	305.4	305.4	305.4	305.6	306.0	306.3	306.7	307.0	307.1	307.1
110°	348.4	348.4	348.4	348.4	348.6	348.9	349.4	349.7	350.0	349.5	348.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	389.2	389.6	390.1	390.5	390.9	391.1	391.3	391.5	391.8	391.0	390.4
115°	450.3	451.2	452.1	453.0	453.6	453.7	453.9	454.0	454.2	453.6	452.8
117.5°	512.0	511.9	511.9	511.9	512.3	512.9	513.6	514.3	514.9	514.0	513.1
120°	550.9	550.7	550.6	550.4	550.6	551.1	551.6	552.2	552.8	552.4	552.0
122.5°	586.3	587.0	587.7	588.4	588.8	589.1	589.4	589.6	589.9	589.5	589.1
125°	640.3	641.6	642.9	644.1	644.7	644.7	644.7	644.7	644.7	644.0	643.3
127.5°	690.9	691.8	692.7	693.6	694.0	693.9	693.8	693.7	693.6	693.2	692.8
130°	722.2	723.1	724.0	724.9	725.4	725.6	725.8	725.9	726.1	725.6	725.0
132.5°	753.6	754.6	755.6	756.7	757.0	756.6	756.3	755.9	755.5	755.3	755.2
135°	798.0	799.2	800.2	801.3	801.7	801.3	801.0	800.5	800.2	799.8	799.5
137.5°	838.8	839.7	840.7	841.6	841.9	841.6	841.2	840.9	840.6	840.7	840.7
140°	864.9	865.3	865.6	865.9	866.1	865.8	865.7	865.5	865.4	865.7	866.1
142.5°	888.8	889.1	889.2	889.5	889.7	890.0	890.2	890.5	890.7	890.8	890.9
145°	924.3	924.6	925.0	925.4	925.6	925.6	925.6	925.6	925.6	925.8	925.9
147.5°	954.8	954.7	954.6	954.6	954.6	954.9	955.1	955.3	955.5	955.8	955.9
150°	974.0	973.7	973.3	973.0	973.0	973.3	973.7	974.0	974.4	974.8	975.2
152.5°	992.5	991.7	990.9	990.1	989.9	990.3	990.6	991.0	991.3	991.7	992.1
155°	1016.5	1015.4	1014.3	1013.3	1012.8	1013.3	1013.6	1013.9	1014.3	1014.9	1015.4
157.5°	1035.6	1035.0	1034.4	1033.7	1033.4	1033.4	1033.5	1033.5	1033.6	1034.1	1034.7
160°	1048.2	1047.2	1046.0	1045.0	1044.5	1044.7	1044.9	1045.1	1045.2	1045.9	1046.7
162.5°	1058.7	1057.5	1056.5	1055.4	1054.9	1055.1	1055.3	1055.5	1055.6	1056.7	1057.7
165°	1072.6	1071.5	1070.5	1069.4	1068.9	1069.1	1069.3	1069.5	1069.7	1070.7	1071.8
167.5°	1083.0	1081.9	1080.8	1079.7	1079.2	1079.4	1079.5	1079.7	1079.9	1081.2	1082.6
170°	1088.8	1087.4	1086.2	1084.9	1084.4	1084.6	1084.8	1084.9	1085.2	1086.5	1088.0
172.5°	1092.7	1091.4	1090.1	1088.8	1088.4	1088.7	1089.0	1089.3	1089.6	1091.0	1092.3
175°	1097.1	1096.0	1094.9	1093.8	1093.4	1093.6	1093.7	1093.9	1094.1	1095.5	1097.0
177.5°	1099.3	1098.4	1097.5	1096.7	1096.3	1096.4	1096.6	1096.7	1096.8	1097.9	1098.9
180°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4	1497.4
2.5°	1565.9	1570.0	1578.7	1575.6	1579.7	1581.8	1583.8
5°	1692.5	1712.8	1721.7	1720.4	1733.7	1730.6	1727.4
7.5°	1835.3	1856.7	1868.7	1883.5	1892.1	1892.8	1900.3
10°	1916.2	1944.2	1955.6	1971.5	1981.7	1987.4	1986.7
12.5°	1978.2	2000.1	2025.7	2033.5	2047.2	2054.5	2051.8
15°	2052.8	2087.7	2114.5	2127.8	2145.0	2150.0	2157.0
17.5°	2119.5	2166.3	2197.5	2238.9	2254.5	2264.1	2258.5
20°	2169.8	2231.4	2262.5	2312.1	2339.4	2354.1	2349.0
22.5°	2229.3	2296.0	2353.5	2396.5	2438.1	2457.8	2461.9
25°	2331.2	2422.7	2507.2	2563.8	2615.2	2627.3	2654.0
27.5°	2445.1	2552.9	2643.4	2702.9	2738.7	2752.1	2760.5
30°	2516.7	2624.1	2692.2	2730.3	2741.8	2740.5	2739.2
32.5°	2551.8	2619.1	2632.2	2621.5	2595.3	2573.2	2550.1
35°	2502.2	2451.9	2376.9	2280.3	2209.1	2137.3	2130.4
37.5°	2250.3	2089.8	1965.0	1825.5	1745.1	1695.4	1661.1
40°	2013.4	1831.0	1679.8	1562.2	1480.2	1447.8	1416.0
42.5°	1756.2	1581.8	1447.9	1349.6	1288.0	1252.1	1226.9
45°	1426.8	1273.0	1168.2	1097.0	1048.0	1020.0	1004.1
47.5°	1169.1	1055.4	966.3	914.9	881.1	859.4	859.5
50°	1030.9	922.2	863.1	822.4	793.1	776.0	779.2
52.5°	908.3	827.1	776.7	742.6	721.0	710.4	710.0
55°	759.5	701.0	668.0	643.2	628.5	616.4	619.1
57.5°	649.6	600.3	578.2	557.7	547.5	542.7	535.7
60°	581.6	543.4	524.3	507.8	497.7	493.8	486.8
62.5°	521.1	491.1	472.5	459.0	449.8	448.6	443.1
65°	437.9	415.0	398.5	392.2	382.6	380.1	380.1
67.5°	361.0	344.6	331.7	325.9	321.7	322.4	319.3
70°	312.7	299.4	291.1	284.7	281.5	282.2	279.6
72.5°	273.5	258.7	251.4	247.6	243.4	245.1	244.0
75°	207.2	199.6	195.8	191.9	189.4	188.1	186.9
77.5°	152.1	145.4	142.5	140.3	140.7	137.6	140.1
80°	117.6	111.9	110.0	106.8	106.2	106.2	105.5
82.5°	86.0	82.8	81.4	78.8	77.7	78.7	77.0
85°	44.5	41.9	41.3	41.3	40.0	38.8	41.9
87.5°	19.4	17.5	17.7	17.3	17.4	17.0	16.1
90°	15.7	16.6	17.4	17.9	18.4	19.0	19.6
92.5°	15.7	16.6	17.2	17.4	17.7	18.0	18.3
95°	15.7	16.6	17.1	17.1	17.1	17.1	17.1
97.5°	24.8	19.6	17.1	17.1	17.1	17.1	17.1
100°	60.8	33.8	20.0	19.2	18.5	17.9	17.1
102.5°	165.4	160.3	151.6	139.3	127.0	114.7	102.4
105°	242.6	242.6	242.5	242.3	242.1	242.0	241.7
107.5°	307.2	307.2	307.0	306.4	305.9	305.3	304.8
110°	348.4	347.9	347.7	347.9	348.1	348.2	348.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	389.6	389.0	388.5	388.2	388.0	387.8	387.5
115°	452.1	451.3	450.5	449.4	448.3	447.2	446.1
117.5°	512.2	511.2	510.5	510.1	509.6	509.1	508.6
120°	551.6	551.3	550.7	549.8	548.9	548.0	547.1
122.5°	588.8	588.4	587.7	586.7	585.6	584.6	583.5
125°	642.5	641.8	641.2	640.7	640.1	639.6	639.0
127.5°	692.4	691.9	691.1	689.7	688.4	687.1	685.7
130°	724.5	724.0	723.3	722.4	721.5	720.6	719.6
132.5°	755.1	755.0	754.5	753.6	752.7	751.8	750.9
135°	799.2	798.7	798.0	797.0	795.9	794.8	793.7
137.5°	840.8	840.9	840.4	839.5	838.5	837.6	836.7
140°	866.4	866.7	866.4	865.4	864.2	863.2	862.1
142.5°	891.0	891.0	890.6	889.4	888.4	887.3	886.1
145°	926.1	926.3	925.9	924.8	923.7	922.6	921.5
147.5°	956.2	956.4	955.9	954.6	953.2	951.9	950.6
150°	975.5	975.8	975.3	973.9	972.4	970.9	969.6
152.5°	992.5	992.8	992.3	991.0	989.7	988.4	987.1
155°	1015.9	1016.5	1016.0	1014.6	1013.1	1011.7	1010.2
157.5°	1035.3	1035.8	1035.4	1034.0	1032.5	1031.0	1029.6
160°	1047.4	1048.1	1047.7	1046.4	1044.9	1043.4	1042.0
162.5°	1058.7	1059.7	1059.4	1057.9	1056.2	1054.7	1053.0
165°	1072.9	1074.0	1073.8	1072.4	1070.9	1069.5	1068.0
167.5°	1083.9	1085.2	1085.0	1083.4	1081.7	1080.1	1078.5
170°	1089.5	1091.0	1090.8	1089.2	1087.6	1086.0	1084.3
172.5°	1093.6	1094.9	1094.7	1093.1	1091.4	1089.8	1088.3
175°	1098.5	1099.8	1099.8	1098.1	1096.5	1094.9	1093.2
177.5°	1099.9	1100.9	1100.8	1099.7	1098.5	1097.4	1096.2
180°	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1	1098.1

(END OF REPORT)