

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: P333473-930

Luminaire Tested: **S125DIW-S1270D1050U930-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333473-930  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIW-S1270D1050U930-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 1050 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

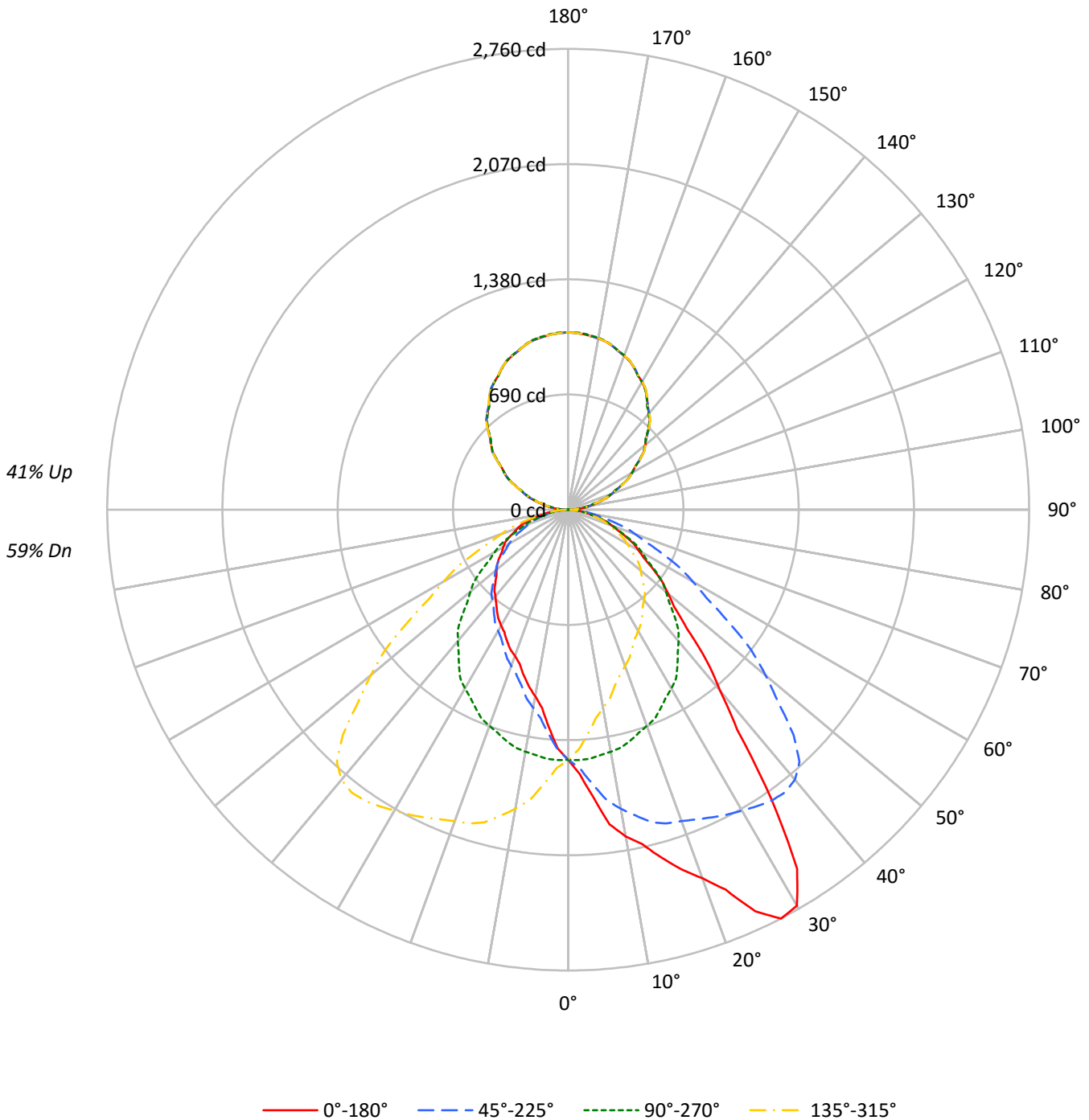
Lumens per Lamp: N/A  
Luminaire Lumens: 7189.7 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 67.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59
1	100	96	92	88	93	90	86	83	78	75	73	67	65	64	57	56	55	50
2	91	84	78	73	85	79	73	69	68	64	61	59	56	54	51	48	47	42
3	83	74	67	61	78	69	63	58	61	56	51	53	49	46	45	42	40	36
4	76	66	58	52	71	62	55	49	54	48	44	47	43	39	40	37	34	31
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27
6	65	53	44	39	60	50	42	37	44	38	33	38	34	30	33	29	27	24
7	60	48	40	34	56	45	38	32	40	34	29	35	30	27	30	26	24	21
8	56	43	35	30	52	41	34	29	36	30	26	32	27	24	28	24	21	19
9	52	40	32	27	48	37	30	26	33	27	23	29	25	21	26	22	19	17
10	48	36	29	24	45	34	28	23	31	25	21	27	22	19	24	20	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	2.0
10°-20°	429.2	6.0
20°-30°	696.9	9.7
30°-40°	850.1	11.8
40°-50°	773.3	10.8
50°-60°	616.0	8.6
60°-70°	429.0	6.0
70°-80°	228.8	3.2
80°-90°	60.1	0.8
90°-100°	71.1	1.0
100°-110°	210.0	2.9
110°-120°	355.6	4.9
120°-130°	468.0	6.5
130°-140°	524.4	7.3
140°-150°	514.0	7.1
150°-160°	431.7	6.0
160°-170°	287.0	4.0
170°-180°	100.4	1.4
0°-30°	1270.2	17.7
0°-40°	2120.3	29.5
0°-60°	3509.7	48.8
0°-90°	4227.5	58.8
90°-120°	636.7	8.9
90°-150°	2143.1	29.8
90°-180°	2962.0	41.2
0°-180°	7189.7	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	13
95°	71	54	71	54	71	72
105°	205	188	205	188	205	217
115°	359	356	359	356	359	355
125°	523	520	523	520	523	467
135°	678	676	678	676	678	523
145°	822	819	822	819	822	513
155°	937	937	937	937	937	431
165°	1016	1019	1016	1019	1016	286
175°	1055	1059	1055	1059	1055	100
180°	1062	1062	1062	1062	1062	



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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	17.4	17.8	17.6	19.5	19.2	20.6	21.9	23.7
90°	19.8	19.2	18.8	18.2	17.6	16.9	16.0	15.1	14.1	13.2	11.9
92.5°	39.0	38.6	38.2	37.7	37.3	36.6	35.4	34.2	32.9	31.7	30.2
95°	71.0	70.7	70.3	70.0	69.5	68.7	67.4	66.2	64.9	63.6	61.8
97.5°	107.7	107.5	107.3	107.0	106.8	106.2	104.9	103.7	102.5	101.3	98.7
100°	135.5	135.1	134.8	134.4	134.0	133.0	131.3	129.7	128.1	126.4	124.0
102.5°	163.2	162.7	162.2	161.7	161.2	160.0	158.2	156.5	154.7	152.9	151.6
105°	204.9	204.3	203.7	203.3	202.7	201.9	200.7	199.7	198.5	197.5	196.3
107.5°	247.5	247.5	247.6	247.6	247.7	247.4	246.9	246.3	245.7	245.2	244.3
110°	279.2	279.4	279.6	279.8	280.0	279.8	279.2	278.7	278.1	277.6	277.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	310.3	310.6	311.0	311.3	311.6	311.6	311.4	311.1	310.9	310.6	309.9
115°	359.4	359.5	359.7	359.9	360.1	360.3	360.4	360.6	360.9	361.0	360.6
117.5°	407.2	408.0	408.7	409.4	410.2	410.5	410.3	410.2	410.1	409.9	409.6
120°	440.3	441.1	441.8	442.5	443.3	443.6	443.6	443.6	443.6	443.6	443.4
122.5°	473.4	473.9	474.5	475.2	475.7	476.1	476.2	476.4	476.5	476.7	476.2
125°	522.9	523.1	523.3	523.5	523.7	523.9	524.3	524.6	525.1	525.4	525.2
127.5°	570.5	570.9	571.3	571.6	572.0	572.3	572.4	572.6	572.8	573.0	572.7
130°	602.3	602.6	603.0	603.3	603.7	604.0	604.1	604.4	604.5	604.7	604.4
132.5°	631.9	632.5	633.0	633.5	634.1	634.4	634.5	634.7	635.0	635.1	635.2
135°	678.2	679.0	679.7	680.4	681.2	681.5	681.5	681.5	681.5	681.5	681.3
137.5°	723.5	724.4	725.4	726.3	727.2	727.5	727.3	727.1	726.8	726.7	726.3
140°	752.6	753.5	754.4	755.4	756.3	756.5	756.2	755.8	755.5	755.0	754.5
142.5°	780.3	781.3	782.2	783.1	784.0	784.4	784.2	783.9	783.7	783.5	782.8
145°	822.0	822.6	823.0	823.6	824.2	824.4	824.4	824.4	824.4	824.4	823.9
147.5°	857.5	858.8	860.0	861.3	862.5	862.9	862.4	862.0	861.6	861.1	860.7
150°	883.9	884.3	884.7	885.0	885.4	885.6	885.6	885.6	885.6	885.6	884.8
152.5°	905.7	906.4	907.1	907.8	908.4	908.5	908.1	907.6	907.2	906.8	906.4
155°	936.8	937.8	938.7	939.6	940.4	940.6	939.9	939.1	938.4	937.7	937.4
157.5°	962.8	963.9	965.2	966.4	967.6	967.8	967.1	966.4	965.6	964.9	964.7
160°	980.6	981.5	982.4	983.3	984.2	984.4	983.7	982.9	982.2	981.5	981.2
162.5°	995.8	996.9	997.9	999.0	1000.0	1000.1	999.2	998.4	997.5	996.6	996.6
165°	1016.1	1017.2	1018.3	1019.5	1020.5	1020.7	1019.9	1019.2	1018.5	1017.7	1017.6
167.5°	1032.3	1033.5	1034.6	1035.8	1036.9	1036.9	1035.8	1034.7	1033.6	1032.5	1032.5
170°	1040.9	1042.2	1043.5	1044.7	1046.0	1046.1	1045.1	1043.9	1042.8	1041.7	1041.7
172.5°	1048.1	1049.3	1050.4	1051.6	1052.7	1052.7	1051.7	1050.5	1049.5	1048.3	1048.3
175°	1054.9	1056.2	1057.5	1058.8	1060.1	1060.2	1059.1	1057.9	1056.9	1055.7	1055.7
177.5°	1058.9	1060.0	1060.9	1062.0	1063.0	1063.1	1062.3	1061.4	1060.5	1059.6	1059.7
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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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	19.2	16.3	14.5	13.7	13.9	12.6	12.5	13.3
90°	10.7	9.4	8.1	6.7	5.2	3.8	2.3	0.8	2.3	3.8	5.2
92.5°	28.5	27.0	25.4	24.1	23.1	22.0	21.0	20.0	21.0	22.0	23.1
95°	59.9	58.1	56.3	55.2	54.8	54.5	54.1	53.7	54.1	54.5	54.8
97.5°	96.2	93.7	91.2	89.8	89.7	89.5	89.4	89.2	89.4	89.5	89.7
100°	121.6	119.2	116.8	115.7	115.7	115.7	115.7	115.7	115.7	115.7	115.7
102.5°	150.4	149.2	148.0	147.0	146.3	145.5	144.8	144.1	144.8	145.5	146.3
105°	195.3	194.1	193.1	192.0	191.1	190.2	189.2	188.3	189.2	190.2	191.1
107.5°	243.5	242.6	241.8	240.9	240.0	239.1	238.1	237.3	238.1	239.1	240.0
110°	276.5	275.9	275.4	274.7	273.7	272.8	271.9	270.9	271.9	272.8	273.7





TEST NUMBER: P333473-930

CATALOG NUMBER: S125DIW-S1270D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	309.2	308.5	307.9	307.2	306.8	306.3	305.8	305.3	305.8	306.3	306.8
115°	360.3	359.9	359.5	359.0	358.2	357.5	356.8	356.0	356.8	357.5	358.2
117.5°	409.3	409.0	408.6	408.3	407.9	407.6	407.2	406.9	407.2	407.6	407.9
120°	443.3	443.0	442.9	442.3	441.4	440.5	439.6	438.6	439.6	440.5	441.4
122.5°	475.7	475.2	474.7	474.3	474.0	473.7	473.4	473.0	473.4	473.7	474.0
125°	525.1	524.9	524.6	524.0	522.9	521.8	520.7	519.6	520.7	521.8	522.9
127.5°	572.6	572.3	572.1	571.7	571.0	570.5	569.8	569.2	569.8	570.5	571.0
130°	604.0	603.6	603.2	602.6	601.7	600.8	599.8	598.9	599.8	600.8	601.7
132.5°	635.3	635.4	635.4	634.7	633.2	631.7	630.1	628.7	630.1	631.7	633.2
135°	681.2	681.0	680.8	680.2	679.1	677.9	676.9	675.7	676.9	677.9	679.1
137.5°	725.9	725.5	725.0	724.3	723.3	722.2	721.1	720.1	721.1	722.2	723.3
140°	754.0	753.4	752.8	752.1	751.2	750.3	749.3	748.4	749.3	750.3	751.2
142.5°	782.1	781.4	780.7	780.0	779.2	778.4	777.6	776.9	777.6	778.4	779.2
145°	823.4	822.8	822.2	821.6	820.8	820.1	819.4	818.6	819.4	820.1	820.8
147.5°	860.2	859.8	859.4	858.9	858.5	858.2	857.8	857.4	857.8	858.2	858.5
150°	884.1	883.4	882.6	882.4	882.6	882.7	883.0	883.1	883.0	882.7	882.6
152.5°	906.1	905.9	905.6	905.3	905.1	904.7	904.5	904.2	904.5	904.7	905.1
155°	937.3	937.1	936.9	936.8	936.8	936.8	936.8	936.8	936.8	936.8	936.8
157.5°	964.5	964.3	964.2	964.3	964.7	965.1	965.5	965.9	965.5	965.1	964.7
160°	981.0	980.9	980.7	980.9	981.5	981.9	982.5	983.1	982.5	981.9	981.5
162.5°	996.5	996.5	996.5	996.6	997.0	997.4	997.8	998.3	997.8	997.4	997.0
165°	1017.4	1017.2	1017.0	1017.1	1017.5	1017.8	1018.2	1018.6	1018.2	1017.8	1017.5
167.5°	1032.5	1032.5	1032.5	1032.8	1033.6	1034.3	1035.0	1035.8	1035.0	1034.3	1033.6
170°	1041.7	1041.7	1041.7	1042.1	1042.8	1043.6	1044.3	1045.1	1044.3	1043.6	1042.8
172.5°	1048.3	1048.3	1048.3	1048.7	1049.5	1050.2	1050.9	1051.7	1050.9	1050.2	1049.5
175°	1055.7	1055.7	1055.7	1056.1	1056.9	1057.6	1058.3	1059.1	1058.3	1057.6	1056.9
177.5°	1059.9	1060.0	1060.1	1060.5	1061.1	1061.7	1062.3	1062.9	1062.3	1061.7	1061.1
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



TEST NUMBER: P333473-930

CATALOG NUMBER: S125DIW-S1270D1050U930-4F0-1E-UDD-A1

**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	21.7	21.3
90°	6.7	8.1	9.4	10.7	11.9	13.2	14.1	15.1	16.0	16.9	17.6
92.5°	24.1	25.4	27.0	28.5	30.2	31.7	32.9	34.2	35.4	36.6	37.3
95°	55.2	56.3	58.1	59.9	61.8	63.6	64.9	66.2	67.4	68.7	69.5
97.5°	89.8	91.2	93.7	96.2	98.7	101.3	102.5	103.7	104.9	106.2	106.8
100°	115.7	116.8	119.2	121.6	124.0	126.4	128.1	129.7	131.3	133.0	134.0
102.5°	147.0	148.0	149.2	150.4	151.6	152.9	154.7	156.5	158.2	160.0	161.2
105°	192.0	193.1	194.1	195.3	196.3	197.5	198.5	199.7	200.7	201.9	202.7
107.5°	240.9	241.8	242.6	243.5	244.3	245.2	245.7	246.3	246.9	247.4	247.7
110°	274.7	275.4	275.9	276.5	277.0	277.6	278.1	278.7	279.2	279.8	280.0



TEST NUMBER: P333473-930

CATALOG NUMBER: S125DIW-S1270D1050U930-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	307.2	307.9	308.5	309.2	309.9	310.6	310.9	311.1	311.4	311.6	311.6
115°	359.0	359.5	359.9	360.3	360.6	361.0	360.9	360.6	360.4	360.3	360.1
117.5°	408.3	408.6	409.0	409.3	409.6	409.9	410.1	410.2	410.3	410.5	410.2
120°	442.3	442.9	443.0	443.3	443.4	443.6	443.6	443.6	443.6	443.6	443.3
122.5°	474.3	474.7	475.2	475.7	476.2	476.7	476.5	476.4	476.2	476.1	475.7
125°	524.0	524.6	524.9	525.1	525.2	525.4	525.1	524.6	524.3	523.9	523.7
127.5°	571.7	572.1	572.3	572.6	572.7	573.0	572.8	572.6	572.4	572.3	572.0
130°	602.6	603.2	603.6	604.0	604.4	604.7	604.5	604.4	604.1	604.0	603.7
132.5°	634.7	635.4	635.4	635.3	635.2	635.1	635.0	634.7	634.5	634.4	634.1
135°	680.2	680.8	681.0	681.2	681.3	681.5	681.5	681.5	681.5	681.5	681.2
137.5°	724.3	725.0	725.5	725.9	726.3	726.7	726.8	727.1	727.3	727.5	727.2
140°	752.1	752.8	753.4	754.0	754.5	755.0	755.5	755.8	756.2	756.5	756.3
142.5°	780.0	780.7	781.4	782.1	782.8	783.5	783.7	783.9	784.2	784.4	784.0
145°	821.6	822.2	822.8	823.4	823.9	824.4	824.4	824.4	824.4	824.4	824.2
147.5°	858.9	859.4	859.8	860.2	860.7	861.1	861.6	862.0	862.4	862.9	862.5
150°	882.4	882.6	883.4	884.1	884.8	885.6	885.6	885.6	885.6	885.6	885.4
152.5°	905.3	905.6	905.9	906.1	906.4	906.8	907.2	907.6	908.1	908.5	908.4
155°	936.8	936.9	937.1	937.3	937.4	937.7	938.4	939.1	939.9	940.6	940.4
157.5°	964.3	964.2	964.3	964.5	964.7	964.9	965.6	966.4	967.1	967.8	967.6
160°	980.9	980.7	980.9	981.0	981.2	981.5	982.2	982.9	983.7	984.4	984.2
162.5°	996.6	996.5	996.5	996.5	996.6	996.6	997.5	998.4	999.2	1000.1	1000.0
165°	1017.1	1017.0	1017.2	1017.4	1017.6	1017.7	1018.5	1019.2	1019.9	1020.7	1020.5
167.5°	1032.8	1032.5	1032.5	1032.5	1032.5	1032.5	1033.6	1034.7	1035.8	1036.9	1036.9
170°	1042.1	1041.7	1041.7	1041.7	1041.7	1041.7	1042.8	1043.9	1045.1	1046.1	1046.0
172.5°	1048.7	1048.3	1048.3	1048.3	1048.3	1048.3	1049.5	1050.5	1051.7	1052.7	1052.7
175°	1056.1	1055.7	1055.7	1055.7	1055.7	1055.7	1056.9	1057.9	1059.1	1060.2	1060.1
177.5°	1060.5	1060.1	1060.0	1059.9	1059.7	1059.6	1060.5	1061.4	1062.3	1063.1	1063.0
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



TEST NUMBER: P333473-930

CATALOG NUMBER: S125DIW-S1270D1050U930-4F0-1E-UDD-A1

**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	22.2	23.3	22.2	22.0	22.4	21.3	21.7	20.5	19.2
90°	18.2	18.8	19.2	19.8	19.2	18.8	18.2	17.6	16.9	16.0	15.1
92.5°	37.7	38.2	38.6	39.0	38.6	38.2	37.7	37.3	36.6	35.4	34.2
95°	70.0	70.3	70.7	71.0	70.7	70.3	70.0	69.5	68.7	67.4	66.2
97.5°	107.0	107.3	107.5	107.7	107.5	107.3	107.0	106.8	106.2	104.9	103.7
100°	134.4	134.8	135.1	135.5	135.1	134.8	134.4	134.0	133.0	131.3	129.7
102.5°	161.7	162.2	162.7	163.2	162.7	162.2	161.7	161.2	160.0	158.2	156.5
105°	203.3	203.7	204.3	204.9	204.3	203.7	203.3	202.7	201.9	200.7	199.7
107.5°	247.6	247.6	247.5	247.5	247.5	247.6	247.6	247.7	247.4	246.9	246.3
110°	279.8	279.6	279.4	279.2	279.4	279.6	279.8	280.0	279.8	279.2	278.7



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	311.3	311.0	310.6	310.3	310.6	311.0	311.3	311.6	311.6	311.4	311.1
115°	359.9	359.7	359.5	359.4	359.5	359.7	359.9	360.1	360.3	360.4	360.6
117.5°	409.4	408.7	408.0	407.2	408.0	408.7	409.4	410.2	410.5	410.3	410.2
120°	442.5	441.8	441.1	440.3	441.1	441.8	442.5	443.3	443.6	443.6	443.6
122.5°	475.2	474.5	473.9	473.4	473.9	474.5	475.2	475.7	476.1	476.2	476.4
125°	523.5	523.3	523.1	522.9	523.1	523.3	523.5	523.7	523.9	524.3	524.6
127.5°	571.6	571.3	570.9	570.5	570.9	571.3	571.6	572.0	572.3	572.4	572.6
130°	603.3	603.0	602.6	602.3	602.6	603.0	603.3	603.7	604.0	604.1	604.4
132.5°	633.5	633.0	632.5	631.9	632.5	633.0	633.5	634.1	634.4	634.5	634.7
135°	680.4	679.7	679.0	678.2	679.0	679.7	680.4	681.2	681.5	681.5	681.5
137.5°	726.3	725.4	724.4	723.5	724.4	725.4	726.3	727.2	727.5	727.3	727.1
140°	755.4	754.4	753.5	752.6	753.5	754.4	755.4	756.3	756.5	756.2	755.8
142.5°	783.1	782.2	781.3	780.3	781.3	782.2	783.1	784.0	784.4	784.2	783.9
145°	823.6	823.0	822.6	822.0	822.6	823.0	823.6	824.2	824.4	824.4	824.4
147.5°	861.3	860.0	858.8	857.5	858.8	860.0	861.3	862.5	862.9	862.4	862.0
150°	885.0	884.7	884.3	883.9	884.3	884.7	885.0	885.4	885.6	885.6	885.6
152.5°	907.8	907.1	906.4	905.7	906.4	907.1	907.8	908.4	908.5	908.1	907.6
155°	939.6	938.7	937.8	936.8	937.8	938.7	939.6	940.4	940.6	939.9	939.1
157.5°	966.4	965.2	963.9	962.8	963.9	965.2	966.4	967.6	967.8	967.1	966.4
160°	983.3	982.4	981.5	980.6	981.5	982.4	983.3	984.2	984.4	983.7	982.9
162.5°	999.0	997.9	996.9	995.8	996.9	997.9	999.0	1000.0	1000.1	999.2	998.4
165°	1019.5	1018.3	1017.2	1016.1	1017.2	1018.3	1019.5	1020.5	1020.7	1019.9	1019.2
167.5°	1035.8	1034.6	1033.5	1032.3	1033.5	1034.6	1035.8	1036.9	1036.9	1035.8	1034.7
170°	1044.7	1043.5	1042.2	1040.9	1042.2	1043.5	1044.7	1046.0	1046.1	1045.1	1043.9
172.5°	1051.6	1050.4	1049.3	1048.1	1049.3	1050.4	1051.6	1052.7	1052.7	1051.7	1050.5
175°	1058.8	1057.5	1056.2	1054.9	1056.2	1057.5	1058.8	1060.1	1060.2	1059.1	1057.9
177.5°	1062.0	1060.9	1060.0	1058.9	1060.0	1060.9	1062.0	1063.0	1063.1	1062.3	1061.4
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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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	13.3	12.5	12.6	13.9
90°	14.1	13.2	11.9	10.7	9.4	8.1	6.7	5.2	3.8	2.3	0.8
92.5°	32.9	31.7	30.2	28.5	27.0	25.4	24.1	23.1	22.0	21.0	20.0
95°	64.9	63.6	61.8	59.9	58.1	56.3	55.2	54.8	54.5	54.1	53.7
97.5°	102.5	101.3	98.7	96.2	93.7	91.2	89.8	89.7	89.5	89.4	89.2
100°	128.1	126.4	124.0	121.6	119.2	116.8	115.7	115.7	115.7	115.7	115.7
102.5°	154.7	152.9	151.6	150.4	149.2	148.0	147.0	146.3	145.5	144.8	144.1
105°	198.5	197.5	196.3	195.3	194.1	193.1	192.0	191.1	190.2	189.2	188.3
107.5°	245.7	245.2	244.3	243.5	242.6	241.8	240.9	240.0	239.1	238.1	237.3
110°	278.1	277.6	277.0	276.5	275.9	275.4	274.7	273.7	272.8	271.9	270.9



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	310.9	310.6	309.9	309.2	308.5	307.9	307.2	306.8	306.3	305.8	305.3
115°	360.9	361.0	360.6	360.3	359.9	359.5	359.0	358.2	357.5	356.8	356.0
117.5°	410.1	409.9	409.6	409.3	409.0	408.6	408.3	407.9	407.6	407.2	406.9
120°	443.6	443.6	443.4	443.3	443.0	442.9	442.3	441.4	440.5	439.6	438.6
122.5°	476.5	476.7	476.2	475.7	475.2	474.7	474.3	474.0	473.7	473.4	473.0
125°	525.1	525.4	525.2	525.1	524.9	524.6	524.0	522.9	521.8	520.7	519.6
127.5°	572.8	573.0	572.7	572.6	572.3	572.1	571.7	571.0	570.5	569.8	569.2
130°	604.5	604.7	604.4	604.0	603.6	603.2	602.6	601.7	600.8	599.8	598.9
132.5°	635.0	635.1	635.2	635.3	635.4	635.4	634.7	633.2	631.7	630.1	628.7
135°	681.5	681.5	681.3	681.2	681.0	680.8	680.2	679.1	677.9	676.9	675.7
137.5°	726.8	726.7	726.3	725.9	725.5	725.0	724.3	723.3	722.2	721.1	720.1
140°	755.5	755.0	754.5	754.0	753.4	752.8	752.1	751.2	750.3	749.3	748.4
142.5°	783.7	783.5	782.8	782.1	781.4	780.7	780.0	779.2	778.4	777.6	776.9
145°	824.4	824.4	823.9	823.4	822.8	822.2	821.6	820.8	820.1	819.4	818.6
147.5°	861.6	861.1	860.7	860.2	859.8	859.4	858.9	858.5	858.2	857.8	857.4
150°	885.6	885.6	884.8	884.1	883.4	882.6	882.4	882.6	882.7	883.0	883.1
152.5°	907.2	906.8	906.4	906.1	905.9	905.6	905.3	905.1	904.7	904.5	904.2
155°	938.4	937.7	937.4	937.3	937.1	936.9	936.8	936.8	936.8	936.8	936.8
157.5°	965.6	964.9	964.7	964.5	964.3	964.2	964.3	964.7	965.1	965.5	965.9
160°	982.2	981.5	981.2	981.0	980.9	980.7	980.9	981.5	981.9	982.5	983.1
162.5°	997.5	996.6	996.6	996.5	996.5	996.5	996.6	997.0	997.4	997.8	998.3
165°	1018.5	1017.7	1017.6	1017.4	1017.2	1017.0	1017.1	1017.5	1017.8	1018.2	1018.6
167.5°	1033.6	1032.5	1032.5	1032.5	1032.5	1032.5	1032.8	1033.6	1034.3	1035.0	1035.8
170°	1042.8	1041.7	1041.7	1041.7	1041.7	1041.7	1042.1	1042.8	1043.6	1044.3	1045.1
172.5°	1049.5	1048.3	1048.3	1048.3	1048.3	1048.3	1048.7	1049.5	1050.2	1050.9	1051.7
175°	1056.9	1055.7	1055.7	1055.7	1055.7	1055.7	1056.1	1056.9	1057.6	1058.3	1059.1
177.5°	1060.5	1059.6	1059.7	1059.9	1060.0	1060.1	1060.5	1061.1	1061.7	1062.3	1062.9
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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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	14.5	16.3	19.2	21.0	23.2	24.5	23.7	21.9	20.6	19.2
90°	2.3	3.8	5.2	6.7	8.1	9.4	10.7	11.9	13.2	14.1	15.1
92.5°	21.0	22.0	23.1	24.1	25.4	27.0	28.5	30.2	31.7	32.9	34.2
95°	54.1	54.5	54.8	55.2	56.3	58.1	59.9	61.8	63.6	64.9	66.2
97.5°	89.4	89.5	89.7	89.8	91.2	93.7	96.2	98.7	101.3	102.5	103.7
100°	115.7	115.7	115.7	115.7	116.8	119.2	121.6	124.0	126.4	128.1	129.7
102.5°	144.8	145.5	146.3	147.0	148.0	149.2	150.4	151.6	152.9	154.7	156.5
105°	189.2	190.2	191.1	192.0	193.1	194.1	195.3	196.3	197.5	198.5	199.7
107.5°	238.1	239.1	240.0	240.9	241.8	242.6	243.5	244.3	245.2	245.7	246.3
110°	271.9	272.8	273.7	274.7	275.4	275.9	276.5	277.0	277.6	278.1	278.7





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	305.8	306.3	306.8	307.2	307.9	308.5	309.2	309.9	310.6	310.9	311.1
115°	356.8	357.5	358.2	359.0	359.5	359.9	360.3	360.6	361.0	360.9	360.6
117.5°	407.2	407.6	407.9	408.3	408.6	409.0	409.3	409.6	409.9	410.1	410.2
120°	439.6	440.5	441.4	442.3	442.9	443.0	443.3	443.4	443.6	443.6	443.6
122.5°	473.4	473.7	474.0	474.3	474.7	475.2	475.7	476.2	476.7	476.5	476.4
125°	520.7	521.8	522.9	524.0	524.6	524.9	525.1	525.2	525.4	525.1	524.6
127.5°	569.8	570.5	571.0	571.7	572.1	572.3	572.6	572.7	573.0	572.8	572.6
130°	599.8	600.8	601.7	602.6	603.2	603.6	604.0	604.4	604.7	604.5	604.4
132.5°	630.1	631.7	633.2	634.7	635.4	635.4	635.3	635.2	635.1	635.0	634.7
135°	676.9	677.9	679.1	680.2	680.8	681.0	681.2	681.3	681.5	681.5	681.5
137.5°	721.1	722.2	723.3	724.3	725.0	725.5	725.9	726.3	726.7	726.8	727.1
140°	749.3	750.3	751.2	752.1	752.8	753.4	754.0	754.5	755.0	755.5	755.8
142.5°	777.6	778.4	779.2	780.0	780.7	781.4	782.1	782.8	783.5	783.7	783.9
145°	819.4	820.1	820.8	821.6	822.2	822.8	823.4	823.9	824.4	824.4	824.4
147.5°	857.8	858.2	858.5	858.9	859.4	859.8	860.2	860.7	861.1	861.6	862.0
150°	883.0	882.7	882.6	882.4	882.6	883.4	884.1	884.8	885.6	885.6	885.6
152.5°	904.5	904.7	905.1	905.3	905.6	905.9	906.1	906.4	906.8	907.2	907.6
155°	936.8	936.8	936.8	936.8	936.9	937.1	937.3	937.4	937.7	938.4	939.1
157.5°	965.5	965.1	964.7	964.3	964.2	964.3	964.5	964.7	964.9	965.6	966.4
160°	982.5	981.9	981.5	980.9	980.7	980.9	981.0	981.2	981.5	982.2	982.9
162.5°	997.8	997.4	997.0	996.6	996.5	996.5	996.5	996.6	996.6	997.5	998.4
165°	1018.2	1017.8	1017.5	1017.1	1017.0	1017.2	1017.4	1017.6	1017.7	1018.5	1019.2
167.5°	1035.0	1034.3	1033.6	1032.8	1032.5	1032.5	1032.5	1032.5	1032.5	1033.6	1034.7
170°	1044.3	1043.6	1042.8	1042.1	1041.7	1041.7	1041.7	1041.7	1041.7	1042.8	1043.9
172.5°	1050.9	1050.2	1049.5	1048.7	1048.3	1048.3	1048.3	1048.3	1048.3	1049.5	1050.5
175°	1058.3	1057.6	1056.9	1056.1	1055.7	1055.7	1055.7	1055.7	1055.7	1056.9	1057.9
177.5°	1062.3	1061.7	1061.1	1060.5	1060.1	1060.0	1059.9	1059.7	1059.6	1060.5	1061.4
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5



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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°	19.5	17.6	17.8	17.4	17.4	17.0	16.1
90°	16.0	16.9	17.6	18.2	18.8	19.2	19.8
92.5°	35.4	36.6	37.3	37.7	38.2	38.6	39.0
95°	67.4	68.7	69.5	70.0	70.3	70.7	71.0
97.5°	104.9	106.2	106.8	107.0	107.3	107.5	107.7
100°	131.3	133.0	134.0	134.4	134.8	135.1	135.5
102.5°	158.2	160.0	161.2	161.7	162.2	162.7	163.2
105°	200.7	201.9	202.7	203.3	203.7	204.3	204.9
107.5°	246.9	247.4	247.7	247.6	247.6	247.5	247.5
110°	279.2	279.8	280.0	279.8	279.6	279.4	279.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	311.4	311.6	311.6	311.3	311.0	310.6	310.3
115°	360.4	360.3	360.1	359.9	359.7	359.5	359.4
117.5°	410.3	410.5	410.2	409.4	408.7	408.0	407.2
120°	443.6	443.6	443.3	442.5	441.8	441.1	440.3
122.5°	476.2	476.1	475.7	475.2	474.5	473.9	473.4
125°	524.3	523.9	523.7	523.5	523.3	523.1	522.9
127.5°	572.4	572.3	572.0	571.6	571.3	570.9	570.5
130°	604.1	604.0	603.7	603.3	603.0	602.6	602.3
132.5°	634.5	634.4	634.1	633.5	633.0	632.5	631.9
135°	681.5	681.5	681.2	680.4	679.7	679.0	678.2
137.5°	727.3	727.5	727.2	726.3	725.4	724.4	723.5
140°	756.2	756.5	756.3	755.4	754.4	753.5	752.6
142.5°	784.2	784.4	784.0	783.1	782.2	781.3	780.3
145°	824.4	824.4	824.2	823.6	823.0	822.6	822.0
147.5°	862.4	862.9	862.5	861.3	860.0	858.8	857.5
150°	885.6	885.6	885.4	885.0	884.7	884.3	883.9
152.5°	908.1	908.5	908.4	907.8	907.1	906.4	905.7
155°	939.9	940.6	940.4	939.6	938.7	937.8	936.8
157.5°	967.1	967.8	967.6	966.4	965.2	963.9	962.8
160°	983.7	984.4	984.2	983.3	982.4	981.5	980.6
162.5°	999.2	1000.1	1000.0	999.0	997.9	996.9	995.8
165°	1019.9	1020.7	1020.5	1019.5	1018.3	1017.2	1016.1
167.5°	1035.8	1036.9	1036.9	1035.8	1034.6	1033.5	1032.3
170°	1045.1	1046.1	1046.0	1044.7	1043.5	1042.2	1040.9
172.5°	1051.7	1052.7	1052.7	1051.6	1050.4	1049.3	1048.1
175°	1059.1	1060.2	1060.1	1058.8	1057.5	1056.2	1054.9
177.5°	1062.3	1063.1	1063.0	1062.0	1060.9	1060.0	1058.9
180°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5

(END OF REPORT)