

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: P333473-935

Luminaire Tested: **S125DIW-S1270D1050U935-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333473-935
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-S1270D1050U935-4F0-1E-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: 7592.8 lumens
Efficiency: N/A
Efficacy: 112.7 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

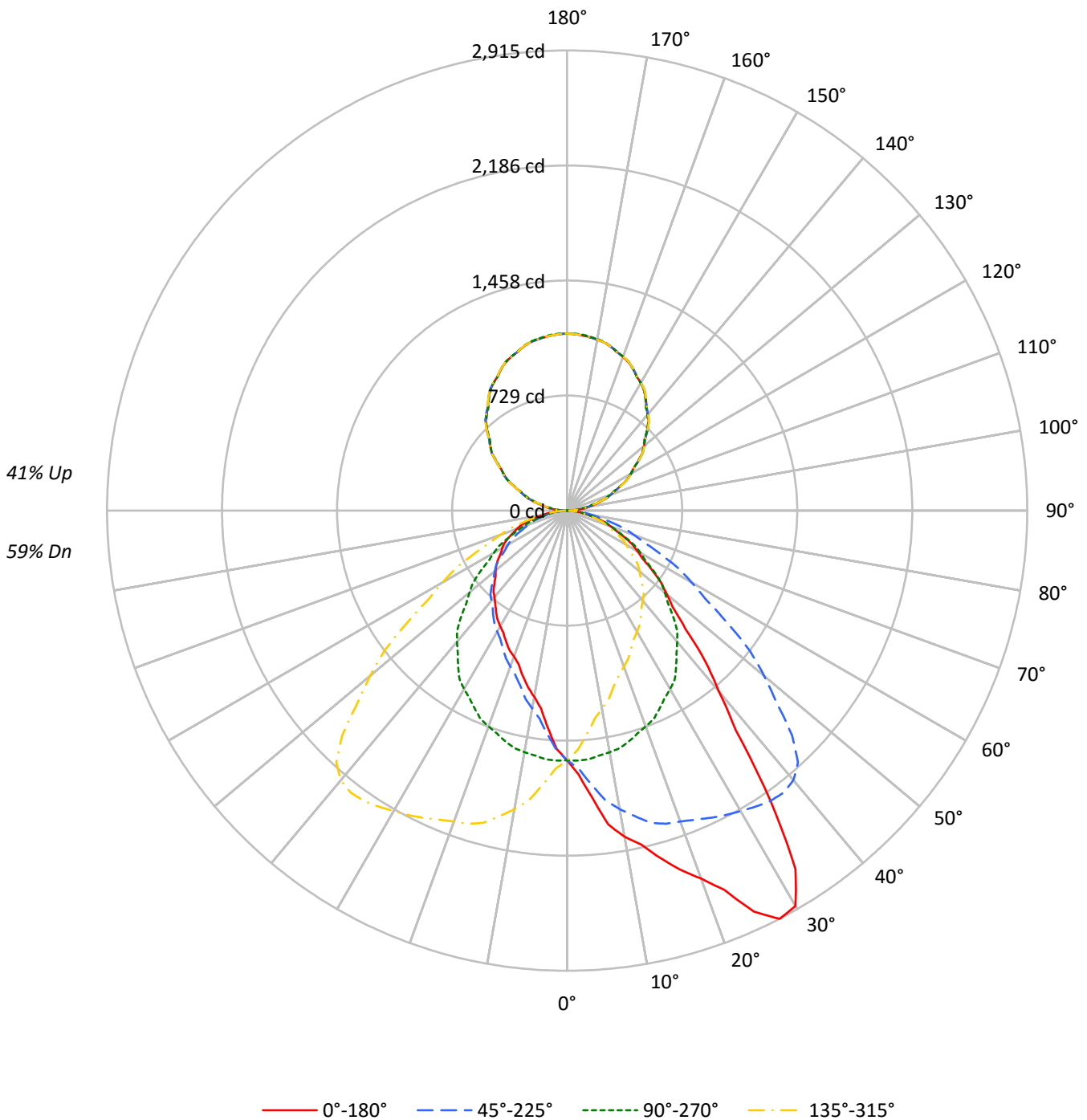
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	10213	10213	10213	10213
5°	11826	10247	8972	10247
10°	13759	10194	7861	10194
15°	15230	10120	7252	10120
20°	17049	10001	6763	10001
25°	19973	9867	6524	9867
30°	21572	9735	6317	9735
35°	17738	9488	6180	9488
40°	12607	9144	6032	9144
45°	9685	8680	5946	8680
50°	8268	8106	5934	8106
55°	7362	7543	5986	7543
60°	6640	6926	6138	6926
65°	6134	6308	6298	6308
70°	5576	5665	6388	5665
75°	4923	4991	6331	4991
80°	4143	4069	5791	4069
85°	3283	2934	4676	2934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.2	2.0
10°-20°	453.2	6.0
20°-30°	736.0	9.7
30°-40°	897.7	11.8
40°-50°	816.7	10.8
50°-60°	650.5	8.6
60°-70°	453.1	6.0
70°-80°	241.6	3.2
80°-90°	63.4	0.8
90°-100°	75.1	1.0
100°-110°	221.7	2.9
110°-120°	375.6	4.9
120°-130°	494.3	6.5
130°-140°	553.8	7.3
140°-150°	542.8	7.1
150°-160°	455.9	6.0
160°-170°	303.0	4.0
170°-180°	106.1	1.4
0°-30°	1341.4	17.7
0°-40°	2239.2	29.5
0°-60°	3706.4	48.8
0°-90°	4464.5	58.8
90°-120°	672.4	8.9
90°-150°	2263.2	29.8
90°-180°	3128.0	41.2
0°-180°	7592.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1581	1581	1581	1581	1581	
5°	1824	1581	1384	1581	1824	184
15°	2278	1514	1085	1514	2278	652
25°	2803	1385	916	1385	2803	1280
35°	2250	1203	784	1203	2250	1377
45°	1060	950	651	950	1060	849
55°	654	670	532	670	654	589
65°	401	413	412	413	401	398
75°	197	200	254	200	197	212
85°	44	40	63	40	44	52
90°	21	1	21	1	21	14
95°	75	57	75	57	75	76
105°	216	199	216	199	216	229
115°	380	376	380	376	380	375
125°	552	549	552	549	552	493
135°	716	714	716	714	716	553
145°	868	864	868	864	868	542
155°	989	989	989	989	989	455
165°	1073	1076	1073	1076	1073	302
175°	1114	1118	1114	1118	1114	106
180°	1121	1121	1121	1121	1121	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1672.6	1670.4	1668.3	1664.0	1667.2	1658.0	1653.7	1646.2	1637.1	1633.9	1630.1
5°	1824.2	1827.6	1830.9	1816.9	1818.2	1808.8	1787.3	1769.9	1755.8	1737.7	1724.9
7.5°	2006.8	1998.9	1998.2	1989.1	1973.4	1960.8	1938.2	1909.4	1881.7	1850.0	1823.9
10°	2098.1	2098.8	2092.7	2082.0	2065.2	2053.1	2023.6	1995.4	1961.2	1920.9	1892.0
12.5°	2166.8	2169.6	2162.0	2147.5	2139.2	2112.2	2089.0	2055.6	2014.8	1982.6	1938.7
15°	2277.9	2270.5	2265.2	2247.0	2233.0	2204.8	2167.9	2133.0	2088.7	2047.7	2006.8
17.5°	2385.1	2391.0	2380.9	2364.4	2320.7	2287.8	2238.3	2190.4	2135.3	2080.3	2031.5
20°	2480.6	2486.1	2470.6	2441.7	2389.4	2356.5	2291.4	2229.6	2165.8	2095.4	2041.7
22.5°	2599.9	2595.6	2574.7	2530.8	2485.4	2424.7	2354.2	2279.0	2199.2	2119.5	2048.1
25°	2802.8	2774.6	2761.8	2707.5	2647.7	2558.5	2461.9	2351.7	2252.5	2147.1	2055.8
27.5°	2915.3	2906.4	2892.2	2854.4	2791.5	2696.0	2582.1	2448.0	2307.9	2174.9	2055.4
30°	2892.7	2894.1	2895.5	2883.3	2843.1	2771.2	2657.8	2513.5	2347.1	2197.4	2059.2
32.5°	2693.0	2717.4	2740.8	2768.5	2779.7	2765.9	2694.8	2564.6	2393.2	2223.2	2057.0
35°	2249.8	2257.1	2333.0	2408.1	2510.2	2589.4	2642.4	2584.6	2440.3	2245.1	2054.4
37.5°	1754.2	1790.4	1842.9	1927.9	2075.1	2206.9	2376.4	2454.5	2407.9	2252.2	2049.8
40°	1495.4	1529.0	1563.1	1649.8	1773.9	1933.6	2126.2	2290.7	2328.9	2229.6	2033.7
42.5°	1295.6	1322.2	1360.2	1425.3	1529.0	1670.5	1854.6	2069.5	2201.7	2164.1	1999.8
45°	1060.4	1077.2	1106.7	1158.5	1233.6	1344.4	1506.8	1741.7	1946.4	2014.1	1919.5
47.5°	907.7	907.6	930.5	966.2	1020.5	1114.6	1234.7	1418.8	1637.4	1799.1	1791.7
50°	822.9	819.5	837.6	868.5	911.5	973.9	1088.6	1235.6	1445.7	1628.9	1679.9
52.5°	749.8	750.2	761.4	784.2	820.2	873.5	959.2	1091.7	1271.2	1459.2	1555.4
55°	653.8	651.0	663.7	679.2	705.4	740.3	802.0	903.4	1049.0	1234.2	1359.1
57.5°	565.7	573.1	578.2	588.9	610.6	634.0	686.0	760.4	876.0	1034.9	1166.9
60°	514.1	521.5	525.6	536.2	553.7	573.9	614.2	674.5	771.9	908.8	1039.7
62.5°	468.0	473.7	475.0	484.7	498.9	518.6	550.3	601.0	677.9	797.6	925.8
65°	401.4	401.4	404.1	414.1	420.9	438.2	462.4	499.4	561.1	654.4	763.8
67.5°	337.2	340.4	339.8	344.1	350.3	363.9	381.3	411.7	457.4	525.6	613.0
70°	295.3	298.0	297.3	300.7	307.4	316.2	330.2	359.0	391.9	450.4	525.6
72.5°	257.7	258.8	257.1	261.5	265.5	273.2	288.9	304.3	335.0	384.4	446.1
75°	197.3	198.6	200.0	202.7	206.7	210.8	218.8	234.3	254.3	291.3	330.9
77.5°	147.9	145.3	148.6	148.2	150.5	153.6	160.7	168.8	185.4	208.7	239.4
80°	111.4	112.1	112.1	112.8	116.1	118.1	124.2	130.2	142.9	160.4	181.9
82.5°	81.4	83.1	82.1	83.3	86.0	87.5	90.8	95.8	103.2	116.9	132.5
85°	44.3	41.0	42.3	43.7	43.7	44.3	47.0	49.0	53.0	58.4	64.4
87.5°	17.0	18.0	18.4	18.3	18.8	18.6	20.6	20.3	21.8	23.2	25.1
90°	20.9	20.3	19.8	19.2	18.6	17.8	16.9	15.9	14.9	13.9	12.6
92.5°	41.2	40.7	40.3	39.9	39.4	38.7	37.4	36.1	34.8	33.5	31.9
95°	75.0	74.6	74.2	73.9	73.4	72.6	71.2	69.9	68.5	67.2	65.3
97.5°	113.7	113.6	113.3	113.0	112.8	112.1	110.8	109.5	108.2	106.9	104.3
100°	143.1	142.7	142.3	141.9	141.5	140.4	138.7	137.0	135.3	133.5	131.0
102.5°	172.4	171.9	171.3	170.7	170.2	169.0	167.1	165.2	163.3	161.4	160.1
105°	216.4	215.8	215.2	214.6	214.0	213.2	212.0	210.9	209.7	208.5	207.3
107.5°	261.4	261.4	261.5	261.5	261.6	261.2	260.7	260.1	259.5	258.9	258.0
110°	294.9	295.1	295.2	295.5	295.7	295.5	294.9	294.3	293.7	293.2	292.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	327.7	328.0	328.4	328.7	329.1	329.1	328.8	328.6	328.3	328.0	327.3
115°	379.5	379.7	379.9	380.0	380.3	380.5	380.6	380.8	381.1	381.3	380.8
117.5°	430.1	430.8	431.6	432.4	433.2	433.5	433.3	433.2	433.1	432.9	432.6
120°	465.0	465.8	466.6	467.4	468.1	468.5	468.5	468.5	468.5	468.5	468.3
122.5°	499.9	500.5	501.1	501.8	502.4	502.7	502.9	503.1	503.3	503.4	502.9
125°	552.2	552.4	552.6	552.8	553.0	553.3	553.7	554.1	554.5	554.8	554.7
127.5°	602.5	602.9	603.3	603.6	604.1	604.3	604.5	604.7	604.9	605.1	604.9
130°	636.0	636.4	636.8	637.1	637.6	637.8	638.0	638.3	638.4	638.6	638.3
132.5°	667.4	668.0	668.5	669.0	669.6	669.9	670.1	670.3	670.5	670.7	670.8
135°	716.3	717.0	717.8	718.6	719.4	719.7	719.7	719.7	719.7	719.7	719.5
137.5°	764.1	765.0	766.0	767.0	767.9	768.3	768.1	767.8	767.6	767.4	767.0
140°	794.8	795.7	796.7	797.7	798.7	798.9	798.6	798.1	797.8	797.4	796.8
142.5°	824.1	825.1	826.0	827.0	827.9	828.4	828.1	827.9	827.6	827.4	826.6
145°	868.1	868.7	869.2	869.8	870.4	870.6	870.6	870.6	870.6	870.6	870.1
147.5°	905.6	906.9	908.2	909.6	910.9	911.3	910.8	910.3	909.9	909.4	909.0
150°	933.5	933.8	934.3	934.6	935.0	935.2	935.2	935.2	935.2	935.2	934.4
152.5°	956.5	957.2	957.9	958.6	959.3	959.4	959.0	958.5	958.0	957.6	957.3
155°	989.3	990.3	991.3	992.2	993.2	993.3	992.6	991.8	991.0	990.2	990.0
157.5°	1016.8	1018.0	1019.3	1020.5	1021.8	1022.1	1021.3	1020.5	1019.8	1019.0	1018.8
160°	1035.5	1036.6	1037.5	1038.5	1039.4	1039.6	1038.8	1038.0	1037.2	1036.5	1036.2
162.5°	1051.6	1052.7	1053.9	1055.0	1056.1	1056.2	1055.2	1054.4	1053.4	1052.5	1052.5
165°	1073.1	1074.3	1075.4	1076.6	1077.7	1077.9	1077.1	1076.3	1075.6	1074.8	1074.6
167.5°	1090.2	1091.4	1092.6	1093.8	1095.0	1095.0	1093.8	1092.7	1091.5	1090.4	1090.4
170°	1099.2	1100.6	1102.0	1103.3	1104.7	1104.7	1103.6	1102.4	1101.3	1100.1	1100.1
172.5°	1106.9	1108.1	1109.3	1110.5	1111.7	1111.7	1110.6	1109.4	1108.3	1107.1	1107.1
175°	1114.0	1115.4	1116.8	1118.2	1119.5	1119.6	1118.4	1117.2	1116.1	1114.9	1114.9
177.5°	1118.3	1119.4	1120.4	1121.5	1122.6	1122.7	1121.8	1120.8	1119.9	1119.0	1119.1
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1626.9	1623.2	1618.9	1611.4	1602.2	1597.4	1589.8	1585.0	1575.4	1567.3	1558.8
5°	1709.4	1692.0	1675.9	1655.1	1632.3	1617.5	1600.1	1580.6	1560.5	1539.6	1516.8
7.5°	1795.0	1764.1	1730.5	1694.4	1659.1	1626.6	1595.6	1565.1	1536.7	1502.4	1473.3
10°	1852.4	1813.5	1771.9	1722.9	1675.2	1633.7	1591.3	1554.4	1516.8	1476.5	1441.0
12.5°	1909.9	1858.0	1799.2	1745.4	1688.2	1637.9	1588.1	1541.0	1493.7	1449.1	1407.7
15°	1950.4	1904.8	1850.4	1773.9	1709.4	1640.4	1574.6	1513.5	1456.5	1406.8	1354.4
17.5°	1977.1	1918.3	1859.9	1786.5	1702.1	1624.8	1550.2	1480.3	1416.0	1353.1	1302.6
20°	1981.9	1921.6	1860.4	1788.6	1702.1	1613.5	1539.0	1455.1	1386.0	1320.9	1259.1
22.5°	1980.4	1911.9	1845.5	1771.5	1687.0	1605.4	1515.4	1429.9	1354.8	1290.8	1226.3
25°	1965.1	1892.0	1808.8	1734.3	1651.1	1564.5	1473.3	1384.7	1308.1	1234.9	1171.2
27.5°	1952.6	1857.7	1763.4	1676.5	1596.2	1516.8	1429.4	1338.7	1253.9	1179.7	1119.6
30°	1937.0	1833.0	1726.9	1636.3	1553.8	1476.5	1394.0	1305.4	1216.9	1144.4	1080.0
32.5°	1923.0	1801.8	1689.9	1591.2	1503.8	1428.7	1352.6	1268.3	1181.4	1107.8	1043.4
35°	1896.1	1755.8	1627.5	1516.1	1422.9	1345.7	1281.9	1203.4	1123.5	1052.4	990.7
37.5°	1861.8	1695.4	1557.8	1441.0	1338.7	1257.4	1198.0	1137.7	1061.1	992.6	936.7
40°	1835.0	1652.4	1506.8	1387.3	1281.3	1196.7	1141.7	1084.6	1020.9	957.1	898.0
42.5°	1801.1	1613.8	1455.3	1326.6	1221.7	1139.3	1081.5	1033.0	976.8	917.4	862.5
45°	1739.0	1543.7	1371.8	1233.6	1127.6	1046.4	986.6	950.4	908.1	851.7	805.4
47.5°	1647.6	1459.5	1281.8	1139.1	1029.7	954.4	898.5	863.7	833.9	791.9	749.9
50°	1566.5	1396.7	1216.9	1075.2	965.8	889.9	838.3	806.8	781.3	749.0	713.4
52.5°	1475.8	1317.8	1153.0	1013.0	904.6	829.8	779.2	751.5	730.2	707.1	672.1
55°	1331.6	1197.4	1044.3	911.5	811.4	738.3	694.0	669.9	652.4	634.9	613.5
57.5°	1172.8	1067.8	932.3	810.8	718.7	652.1	610.8	587.3	573.7	564.7	552.1
60°	1061.1	971.2	854.4	743.6	653.8	594.7	554.4	536.2	524.9	517.5	508.1
62.5°	957.5	883.6	775.5	674.4	595.7	539.8	503.9	486.3	475.4	471.8	464.1
65°	804.7	747.7	658.4	574.5	507.4	459.8	429.6	412.8	406.0	402.0	402.7
67.5°	654.3	619.5	547.8	476.2	422.7	382.7	358.5	345.7	342.3	336.9	336.8
70°	562.4	536.2	475.9	413.5	365.8	334.9	313.4	300.0	296.6	293.9	293.3
72.5°	481.4	458.4	406.0	356.0	313.1	286.0	268.4	260.3	254.8	253.1	253.0
75°	361.8	349.0	307.4	267.8	238.2	219.5	207.4	200.0	196.0	195.3	196.0
77.5°	257.2	246.1	219.6	191.6	172.9	158.7	148.4	145.9	141.4	141.5	140.8
80°	193.3	185.9	169.1	147.0	131.6	119.5	114.1	109.4	108.1	106.1	108.1
82.5°	140.2	132.2	120.8	106.7	93.9	86.7	81.4	79.9	79.0	78.1	78.5
85°	69.1	69.8	63.1	52.3	47.0	43.0	39.6	39.6	38.9	38.2	38.9
87.5°	25.9	24.5	22.1	20.2	17.2	15.3	14.5	14.6	13.3	13.2	14.0
90°	11.3	9.9	8.5	7.1	5.5	4.0	2.4	0.9	2.4	4.0	5.5
92.5°	30.1	28.5	26.9	25.5	24.4	23.2	22.2	21.1	22.2	23.2	24.4
95°	63.3	61.4	59.4	58.3	57.9	57.5	57.1	56.7	57.1	57.5	57.9
97.5°	101.6	98.9	96.3	94.9	94.7	94.5	94.4	94.2	94.4	94.5	94.7
100°	128.5	125.9	123.4	122.2	122.2	122.2	122.2	122.2	122.2	122.2	122.2
102.5°	158.9	157.6	156.3	155.2	154.5	153.7	152.9	152.1	152.9	153.7	154.5
105°	206.2	205.0	203.9	202.8	201.8	200.9	199.8	198.9	199.8	200.9	201.8
107.5°	257.2	256.2	255.4	254.4	253.5	252.5	251.5	250.6	251.5	252.5	253.5
110°	292.0	291.4	290.8	290.1	289.0	288.1	287.1	286.1	287.1	288.1	289.0



TEST NUMBER: P333473-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	326.6	325.8	325.1	324.4	324.0	323.5	323.0	322.4	323.0	323.5	324.0
115°	380.5	380.0	379.7	379.1	378.3	377.5	376.8	376.0	376.8	377.5	378.3
117.5°	432.2	431.9	431.5	431.2	430.8	430.4	430.1	429.7	430.1	430.4	430.8
120°	468.1	467.9	467.7	467.1	466.1	465.2	464.3	463.2	464.3	465.2	466.1
122.5°	502.4	501.9	501.4	500.9	500.6	500.2	499.9	499.6	499.9	500.2	500.6
125°	554.5	554.3	554.1	553.4	552.2	551.0	549.9	548.7	549.9	551.0	552.2
127.5°	604.7	604.4	604.2	603.7	603.0	602.4	601.8	601.1	601.8	602.4	603.0
130°	637.8	637.5	637.1	636.4	635.4	634.5	633.4	632.5	633.4	634.5	635.4
132.5°	670.9	671.0	671.1	670.3	668.7	667.1	665.5	663.9	665.5	667.1	668.7
135°	719.4	719.2	718.9	718.3	717.1	715.9	714.8	713.6	714.8	715.9	717.1
137.5°	766.5	766.1	765.7	764.9	763.8	762.7	761.6	760.4	761.6	762.7	763.8
140°	796.3	795.7	795.0	794.3	793.3	792.4	791.3	790.4	791.3	792.4	793.3
142.5°	826.0	825.2	824.5	823.7	822.9	822.1	821.2	820.4	821.2	822.1	822.9
145°	869.5	868.9	868.3	867.6	866.9	866.1	865.3	864.5	865.3	866.1	866.9
147.5°	908.4	908.0	907.6	907.1	906.6	906.3	905.9	905.4	905.9	906.3	906.6
150°	933.7	932.9	932.1	931.9	932.0	932.2	932.5	932.6	932.5	932.2	932.0
152.5°	956.9	956.7	956.3	956.1	955.8	955.5	955.2	954.9	955.2	955.5	955.8
155°	989.8	989.6	989.4	989.3	989.3	989.3	989.3	989.3	989.3	989.3	989.3
157.5°	1018.6	1018.4	1018.2	1018.3	1018.7	1019.2	1019.6	1020.0	1019.6	1019.2	1018.7
160°	1036.0	1035.9	1035.7	1035.9	1036.5	1037.0	1037.6	1038.2	1037.6	1037.0	1036.5
162.5°	1052.4	1052.4	1052.3	1052.5	1052.9	1053.3	1053.8	1054.2	1053.8	1053.3	1052.9
165°	1074.4	1074.3	1074.0	1074.1	1074.5	1074.9	1075.3	1075.7	1075.3	1074.9	1074.5
167.5°	1090.4	1090.4	1090.4	1090.7	1091.5	1092.3	1093.0	1093.8	1093.0	1092.3	1091.5
170°	1100.1	1100.1	1100.1	1100.5	1101.3	1102.1	1102.9	1103.6	1102.9	1102.1	1101.3
172.5°	1107.1	1107.1	1107.1	1107.5	1108.3	1109.1	1109.8	1110.6	1109.8	1109.1	1108.3
175°	1114.9	1114.9	1114.9	1115.3	1116.1	1116.9	1117.7	1118.4	1117.7	1116.9	1116.1
177.5°	1119.3	1119.4	1119.6	1120.0	1120.6	1121.2	1121.8	1122.5	1121.8	1121.2	1120.6
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1553.8	1548.0	1543.2	1532.4	1526.5	1518.5	1512.0	1519.0	1511.5	1514.7	1509.8
5°	1505.5	1486.6	1473.3	1453.7	1437.0	1421.5	1410.1	1408.1	1402.7	1400.1	1392.0
7.5°	1447.2	1423.7	1400.6	1375.1	1353.6	1331.7	1317.8	1306.2	1298.6	1288.5	1281.7
10°	1412.8	1381.3	1354.4	1323.5	1296.7	1273.2	1254.4	1245.0	1236.3	1223.6	1218.8
12.5°	1370.4	1337.7	1305.0	1272.0	1246.2	1220.0	1203.9	1189.7	1183.7	1169.3	1167.9
15°	1319.5	1270.5	1238.3	1204.7	1169.2	1147.7	1134.3	1118.9	1112.2	1102.1	1094.7
17.5°	1258.9	1215.0	1174.8	1140.1	1109.6	1091.5	1074.8	1064.2	1052.7	1046.1	1034.0
20°	1214.8	1173.2	1132.9	1096.1	1072.5	1051.7	1038.3	1028.2	1016.2	1012.8	1000.7
22.5°	1177.8	1131.9	1093.2	1062.2	1036.6	1013.1	998.6	991.7	983.4	973.1	970.6
25°	1117.5	1069.9	1037.0	1006.1	983.3	961.8	951.7	943.0	935.0	927.6	924.9
27.5°	1065.4	1022.9	983.8	955.9	936.0	916.4	907.6	897.0	891.0	885.1	877.9
30°	1028.9	985.2	951.1	924.2	902.8	885.3	875.9	868.5	863.2	857.7	853.8
32.5°	991.4	950.9	917.7	891.5	870.0	856.8	848.5	843.3	837.3	830.9	825.8
35°	941.7	897.3	865.1	842.3	825.5	815.5	806.1	801.3	794.7	794.7	789.3
37.5°	885.7	847.4	819.0	798.1	783.1	774.1	764.0	760.7	756.4	753.5	751.7
40°	852.4	816.8	790.0	769.1	753.0	745.6	737.6	732.3	729.5	726.2	724.9
42.5°	818.0	784.0	758.3	739.1	725.1	718.8	711.3	707.6	702.1	697.8	697.0
45°	765.8	732.9	709.5	694.0	681.9	674.5	669.9	661.8	659.1	653.8	653.1
47.5°	716.3	684.8	661.7	649.0	638.4	632.4	625.0	616.9	613.9	611.1	610.9
50°	679.2	650.4	628.9	616.8	606.7	598.1	590.6	585.2	583.2	583.2	584.6
52.5°	641.6	617.1	598.8	584.0	574.5	565.2	558.4	555.2	552.1	555.3	557.8
55°	586.6	561.8	548.4	534.3	524.9	514.1	510.7	509.5	507.4	512.8	515.5
57.5°	528.3	510.9	495.2	481.2	472.8	466.6	462.0	461.2	465.0	467.5	476.2
60°	491.3	471.1	457.1	446.3	436.3	432.2	430.9	429.6	432.2	439.6	451.0
62.5°	450.5	434.1	419.0	410.9	403.5	396.8	396.5	397.4	402.7	411.1	422.6
65°	390.6	376.5	366.4	357.1	351.0	347.0	348.4	351.0	357.1	368.5	381.3
67.5°	329.8	320.1	311.2	303.5	297.7	297.7	299.1	303.1	310.2	323.4	335.0
70°	290.6	279.9	272.5	269.1	264.4	261.7	265.8	272.5	278.5	290.6	300.7
72.5°	251.4	242.3	236.5	234.3	232.2	230.1	231.4	238.7	246.8	258.9	270.6
75°	193.3	189.9	185.9	183.2	181.2	182.5	183.9	190.6	197.3	210.1	223.5
77.5°	141.1	137.6	135.2	134.5	133.5	134.1	137.8	142.8	149.4	158.7	168.8
80°	106.7	105.4	104.0	103.3	103.3	104.0	109.4	112.8	118.8	127.5	135.6
82.5°	77.7	76.9	76.6	76.5	77.1	77.1	80.4	84.8	89.8	96.3	103.3
85°	41.0	39.6	41.6	42.3	41.0	43.0	44.3	47.0	49.0	52.3	55.7
87.5°	14.8	16.2	15.9	16.7	17.0	18.3	18.0	20.3	21.6	22.9	22.5
90°	7.1	8.5	9.9	11.3	12.6	13.9	14.9	15.9	16.9	17.8	18.6
92.5°	25.5	26.9	28.5	30.1	31.9	33.5	34.8	36.1	37.4	38.7	39.4
95°	58.3	59.4	61.4	63.3	65.3	67.2	68.5	69.9	71.2	72.6	73.4
97.5°	94.9	96.3	98.9	101.6	104.3	106.9	108.2	109.5	110.8	112.1	112.8
100°	122.2	123.4	125.9	128.5	131.0	133.5	135.3	137.0	138.7	140.4	141.5
102.5°	155.2	156.3	157.6	158.9	160.1	161.4	163.3	165.2	167.1	169.0	170.2
105°	202.8	203.9	205.0	206.2	207.3	208.5	209.7	210.9	212.0	213.2	214.0
107.5°	254.4	255.4	256.2	257.2	258.0	258.9	259.5	260.1	260.7	261.2	261.6
110°	290.1	290.8	291.4	292.0	292.6	293.2	293.7	294.3	294.9	295.5	295.7



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	324.4	325.1	325.8	326.6	327.3	328.0	328.3	328.6	328.8	329.1	329.1
115°	379.1	379.7	380.0	380.5	380.8	381.3	381.1	380.8	380.6	380.5	380.3
117.5°	431.2	431.5	431.9	432.2	432.6	432.9	433.1	433.2	433.3	433.5	433.2
120°	467.1	467.7	467.9	468.1	468.3	468.5	468.5	468.5	468.5	468.5	468.1
122.5°	500.9	501.4	501.9	502.4	502.9	503.4	503.3	503.1	502.9	502.7	502.4
125°	553.4	554.1	554.3	554.5	554.7	554.8	554.5	554.1	553.7	553.3	553.0
127.5°	603.7	604.2	604.4	604.7	604.9	605.1	604.9	604.7	604.5	604.3	604.1
130°	636.4	637.1	637.5	637.8	638.3	638.6	638.4	638.3	638.0	637.8	637.6
132.5°	670.3	671.1	671.0	670.9	670.8	670.7	670.5	670.3	670.1	669.9	669.6
135°	718.3	718.9	719.2	719.4	719.5	719.7	719.7	719.7	719.7	719.7	719.4
137.5°	764.9	765.7	766.1	766.5	767.0	767.4	767.6	767.8	768.1	768.3	767.9
140°	794.3	795.0	795.7	796.3	796.8	797.4	797.8	798.1	798.6	798.9	798.7
142.5°	823.7	824.5	825.2	826.0	826.6	827.4	827.6	827.9	828.1	828.4	827.9
145°	867.6	868.3	868.9	869.5	870.1	870.6	870.6	870.6	870.6	870.6	870.4
147.5°	907.1	907.6	908.0	908.4	909.0	909.4	909.9	910.3	910.8	911.3	910.9
150°	931.9	932.1	932.9	933.7	934.4	935.2	935.2	935.2	935.2	935.2	935.0
152.5°	956.1	956.3	956.7	956.9	957.3	957.6	958.0	958.5	959.0	959.4	959.3
155°	989.3	989.4	989.6	989.8	990.0	990.2	991.0	991.8	992.6	993.3	993.2
157.5°	1018.3	1018.2	1018.4	1018.6	1018.8	1019.0	1019.8	1020.5	1021.3	1022.1	1021.8
160°	1035.9	1035.7	1035.9	1036.0	1036.2	1036.5	1037.2	1038.0	1038.8	1039.6	1039.4
162.5°	1052.5	1052.3	1052.4	1052.4	1052.5	1052.5	1053.4	1054.4	1055.2	1056.2	1056.1
165°	1074.1	1074.0	1074.3	1074.4	1074.6	1074.8	1075.6	1076.3	1077.1	1077.9	1077.7
167.5°	1090.7	1090.4	1090.4	1090.4	1090.4	1090.4	1091.5	1092.7	1093.8	1095.0	1095.0
170°	1100.5	1100.1	1100.1	1100.1	1100.1	1100.1	1101.3	1102.4	1103.6	1104.7	1104.7
172.5°	1107.5	1107.1	1107.1	1107.1	1107.1	1107.1	1108.3	1109.4	1110.6	1111.7	1111.7
175°	1115.3	1114.9	1114.9	1114.9	1114.9	1114.9	1116.1	1117.2	1118.4	1119.6	1119.5
177.5°	1120.0	1119.6	1119.4	1119.3	1119.1	1119.0	1119.9	1120.8	1121.8	1122.7	1122.6
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1506.7	1510.4	1507.2	1511.5	1507.2	1510.4	1506.7	1509.8	1514.7	1511.5	1519.0
5°	1388.6	1382.6	1386.6	1384.0	1386.6	1382.6	1388.6	1392.0	1400.1	1402.7	1408.1
7.5°	1279.6	1273.8	1267.3	1264.2	1267.3	1273.8	1279.6	1281.7	1288.5	1298.6	1306.2
10°	1211.4	1204.1	1203.4	1198.7	1203.4	1204.1	1211.4	1218.8	1223.6	1236.3	1245.0
12.5°	1161.5	1154.7	1147.0	1145.0	1147.0	1154.7	1161.5	1167.9	1169.3	1183.7	1189.7
15°	1090.6	1085.3	1080.6	1084.6	1080.6	1085.3	1090.6	1094.7	1102.1	1112.2	1118.9
17.5°	1031.7	1027.3	1026.5	1021.5	1026.5	1027.3	1031.7	1034.0	1046.1	1052.7	1064.2
20°	994.7	991.4	992.6	984.0	992.6	991.4	994.7	1000.7	1012.8	1016.2	1028.2
22.5°	965.2	958.6	957.8	956.1	957.8	958.6	965.2	970.6	973.1	983.4	991.7
25°	918.9	915.5	912.1	915.5	912.1	915.5	918.9	924.9	927.6	935.0	943.0
27.5°	878.4	874.4	873.5	873.8	873.5	874.4	878.4	877.9	885.1	891.0	897.0
30°	853.8	847.1	847.7	847.1	847.7	847.1	853.8	853.8	857.7	863.2	868.5
32.5°	826.9	822.3	821.4	820.2	821.4	822.3	826.9	825.8	830.9	837.3	843.3
35°	787.3	787.3	783.9	783.9	783.9	787.3	787.3	789.3	794.7	794.7	801.3
37.5°	750.1	749.4	747.4	747.7	747.4	749.4	750.1	751.7	753.5	756.4	760.7
40°	722.2	721.5	719.5	715.5	719.5	721.5	722.2	724.9	726.2	729.5	732.3
42.5°	695.3	693.0	692.1	690.8	692.1	693.0	695.3	697.0	697.8	702.1	707.6
45°	653.1	653.1	651.7	651.0	651.7	653.1	653.1	653.1	653.8	659.1	661.8
47.5°	612.0	613.2	615.7	615.4	615.7	613.2	612.0	610.9	611.1	613.9	616.9
50°	587.3	588.0	590.0	590.6	590.0	588.0	587.3	584.6	583.2	583.2	585.2
52.5°	559.9	563.8	566.4	565.9	566.4	563.8	559.9	557.8	555.3	552.1	555.2
55°	521.5	526.2	530.9	531.6	530.9	526.2	521.5	515.5	512.8	507.4	509.5
57.5°	483.5	490.1	495.1	496.6	495.1	490.1	483.5	476.2	467.5	465.0	461.2
60°	457.7	466.5	472.5	475.2	472.5	466.5	457.7	451.0	439.6	432.2	429.6
62.5°	433.0	442.8	448.8	449.4	448.8	442.8	433.0	422.6	411.1	402.7	397.4
65°	392.6	402.7	408.0	412.1	408.0	402.7	392.6	381.3	368.5	357.1	351.0
67.5°	349.1	359.2	365.2	368.3	365.2	359.2	349.1	335.0	323.4	310.2	303.1
70°	317.5	327.5	335.6	338.3	335.6	327.5	317.5	300.7	290.6	278.5	272.5
72.5°	286.3	295.3	301.8	305.0	301.8	295.3	286.3	270.6	258.9	246.8	238.7
75°	232.2	244.3	250.4	253.7	250.4	244.3	232.2	223.5	210.1	197.3	190.6
77.5°	179.1	190.1	193.7	195.4	193.7	190.1	179.1	168.8	158.7	149.4	142.8
80°	143.6	150.3	155.1	155.7	155.1	150.3	143.6	135.6	127.5	118.8	112.8
82.5°	110.4	116.0	117.4	119.2	117.4	116.0	110.4	103.3	96.3	89.8	84.8
85°	60.4	63.1	63.8	63.1	63.8	63.1	60.4	55.7	52.3	49.0	47.0
87.5°	23.7	23.2	23.4	24.6	23.4	23.2	23.7	22.5	22.9	21.6	20.3
90°	19.2	19.8	20.3	20.9	20.3	19.8	19.2	18.6	17.8	16.9	15.9
92.5°	39.9	40.3	40.7	41.2	40.7	40.3	39.9	39.4	38.7	37.4	36.1
95°	73.9	74.2	74.6	75.0	74.6	74.2	73.9	73.4	72.6	71.2	69.9
97.5°	113.0	113.3	113.6	113.7	113.6	113.3	113.0	112.8	112.1	110.8	109.5
100°	141.9	142.3	142.7	143.1	142.7	142.3	141.9	141.5	140.4	138.7	137.0
102.5°	170.7	171.3	171.9	172.4	171.9	171.3	170.7	170.2	169.0	167.1	165.2
105°	214.6	215.2	215.8	216.4	215.8	215.2	214.6	214.0	213.2	212.0	210.9
107.5°	261.5	261.5	261.4	261.4	261.4	261.5	261.5	261.6	261.2	260.7	260.1
110°	295.5	295.2	295.1	294.9	295.1	295.2	295.5	295.7	295.5	294.9	294.3



TEST NUMBER: P333473-935

CATALOG NUMBER: S125DIW-S1270D1050U935-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	328.7	328.4	328.0	327.7	328.0	328.4	328.7	329.1	329.1	328.8	328.6
115°	380.0	379.9	379.7	379.5	379.7	379.9	380.0	380.3	380.5	380.6	380.8
117.5°	432.4	431.6	430.8	430.1	430.8	431.6	432.4	433.2	433.5	433.3	433.2
120°	467.4	466.6	465.8	465.0	465.8	466.6	467.4	468.1	468.5	468.5	468.5
122.5°	501.8	501.1	500.5	499.9	500.5	501.1	501.8	502.4	502.7	502.9	503.1
125°	552.8	552.6	552.4	552.2	552.4	552.6	552.8	553.0	553.3	553.7	554.1
127.5°	603.6	603.3	602.9	602.5	602.9	603.3	603.6	604.1	604.3	604.5	604.7
130°	637.1	636.8	636.4	636.0	636.4	636.8	637.1	637.6	637.8	638.0	638.3
132.5°	669.0	668.5	668.0	667.4	668.0	668.5	669.0	669.6	669.9	670.1	670.3
135°	718.6	717.8	717.0	716.3	717.0	717.8	718.6	719.4	719.7	719.7	719.7
137.5°	767.0	766.0	765.0	764.1	765.0	766.0	767.0	767.9	768.3	768.1	767.8
140°	797.7	796.7	795.7	794.8	795.7	796.7	797.7	798.7	798.9	798.6	798.1
142.5°	827.0	826.0	825.1	824.1	825.1	826.0	827.0	827.9	828.4	828.1	827.9
145°	869.8	869.2	868.7	868.1	868.7	869.2	869.8	870.4	870.6	870.6	870.6
147.5°	909.6	908.2	906.9	905.6	906.9	908.2	909.6	910.9	911.3	910.8	910.3
150°	934.6	934.3	933.8	933.5	933.8	934.3	934.6	935.0	935.2	935.2	935.2
152.5°	958.6	957.9	957.2	956.5	957.2	957.9	958.6	959.3	959.4	959.0	958.5
155°	992.2	991.3	990.3	989.3	990.3	991.3	992.2	993.2	993.3	992.6	991.8
157.5°	1020.5	1019.3	1018.0	1016.8	1018.0	1019.3	1020.5	1021.8	1022.1	1021.3	1020.5
160°	1038.5	1037.5	1036.6	1035.5	1036.6	1037.5	1038.5	1039.4	1039.6	1038.8	1038.0
162.5°	1055.0	1053.9	1052.7	1051.6	1052.7	1053.9	1055.0	1056.1	1056.2	1055.2	1054.4
165°	1076.6	1075.4	1074.3	1073.1	1074.3	1075.4	1076.6	1077.7	1077.9	1077.1	1076.3
167.5°	1093.8	1092.6	1091.4	1090.2	1091.4	1092.6	1093.8	1095.0	1095.0	1093.8	1092.7
170°	1103.3	1102.0	1100.6	1099.2	1100.6	1102.0	1103.3	1104.7	1104.7	1103.6	1102.4
172.5°	1110.5	1109.3	1108.1	1106.9	1108.1	1109.3	1110.5	1111.7	1111.7	1110.6	1109.4
175°	1118.2	1116.8	1115.4	1114.0	1115.4	1116.8	1118.2	1119.5	1119.6	1118.4	1117.2
177.5°	1121.5	1120.4	1119.4	1118.3	1119.4	1120.4	1121.5	1122.6	1122.7	1121.8	1120.8
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



TEST NUMBER: P333473-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1512.0	1518.5	1526.5	1532.4	1543.2	1548.0	1553.8	1558.8	1567.3	1575.4	1585.0
5°	1410.1	1421.5	1437.0	1453.7	1473.3	1486.6	1505.5	1516.8	1539.6	1560.5	1580.6
7.5°	1317.8	1331.7	1353.6	1375.1	1400.6	1423.7	1447.2	1473.3	1502.4	1536.7	1565.1
10°	1254.4	1273.2	1296.7	1323.5	1354.4	1381.3	1412.8	1441.0	1476.5	1516.8	1554.4
12.5°	1203.9	1220.0	1246.2	1272.0	1305.0	1337.7	1370.4	1407.7	1449.1	1493.7	1541.0
15°	1134.3	1147.7	1169.2	1204.7	1238.3	1270.5	1319.5	1354.4	1406.8	1456.5	1513.5
17.5°	1074.8	1091.5	1109.6	1140.1	1174.8	1215.0	1258.9	1302.6	1353.1	1416.0	1480.3
20°	1038.3	1051.7	1072.5	1096.1	1132.9	1173.2	1214.8	1259.1	1320.9	1386.0	1455.1
22.5°	998.6	1013.1	1036.6	1062.2	1093.2	1131.9	1177.8	1226.3	1290.8	1354.8	1429.9
25°	951.7	961.8	983.3	1006.1	1037.0	1069.9	1117.5	1171.2	1234.9	1308.1	1384.7
27.5°	907.6	916.4	936.0	955.9	983.8	1022.9	1065.4	1119.6	1179.7	1253.9	1338.7
30°	875.9	885.3	902.8	924.2	951.1	985.2	1028.9	1080.0	1144.4	1216.9	1305.4
32.5°	848.5	856.8	870.0	891.5	917.7	950.9	991.4	1043.4	1107.8	1181.4	1268.3
35°	806.1	815.5	825.5	842.3	865.1	897.3	941.7	990.7	1052.4	1123.5	1203.4
37.5°	764.0	774.1	783.1	798.1	819.0	847.4	885.7	936.7	992.6	1061.1	1137.7
40°	737.6	745.6	753.0	769.1	790.0	816.8	852.4	898.0	957.1	1020.9	1084.6
42.5°	711.3	718.8	725.1	739.1	758.3	784.0	818.0	862.5	917.4	976.8	1033.0
45°	669.9	674.5	681.9	694.0	709.5	732.9	765.8	805.4	851.7	908.1	950.4
47.5°	625.0	632.4	638.4	649.0	661.7	684.8	716.3	749.9	791.9	833.9	863.7
50°	590.6	598.1	606.7	616.8	628.9	650.4	679.2	713.4	749.0	781.3	806.8
52.5°	558.4	565.2	574.5	584.0	598.8	617.1	641.6	672.1	707.1	730.2	751.5
55°	510.7	514.1	524.9	534.3	548.4	561.8	586.6	613.5	634.9	652.4	669.9
57.5°	462.0	466.6	472.8	481.2	495.2	510.9	528.3	552.1	564.7	573.7	587.3
60°	430.9	432.2	436.3	446.3	457.1	471.1	491.3	508.1	517.5	524.9	536.2
62.5°	396.5	396.8	403.5	410.9	419.0	434.1	450.5	464.1	471.8	475.4	486.3
65°	348.4	347.0	351.0	357.1	366.4	376.5	390.6	402.7	402.0	406.0	412.8
67.5°	299.1	297.7	297.7	303.5	311.2	320.1	329.8	336.8	336.9	342.3	345.7
70°	265.8	261.7	264.4	269.1	272.5	279.9	290.6	293.3	293.9	296.6	300.0
72.5°	231.4	230.1	232.2	234.3	236.5	242.3	251.4	253.0	253.1	254.8	260.3
75°	183.9	182.5	181.2	183.2	185.9	189.9	193.3	196.0	195.3	196.0	200.0
77.5°	137.8	134.1	133.5	134.5	135.2	137.6	141.1	140.8	141.5	141.4	145.9
80°	109.4	104.0	103.3	103.3	104.0	105.4	106.7	108.1	106.1	108.1	109.4
82.5°	80.4	77.1	77.1	76.5	76.6	76.9	77.7	78.5	78.1	79.0	79.9
85°	44.3	43.0	41.0	42.3	41.6	39.6	41.0	38.9	38.2	38.9	39.6
87.5°	18.0	18.3	17.0	16.7	15.9	16.2	14.8	14.0	13.2	13.3	14.6
90°	14.9	13.9	12.6	11.3	9.9	8.5	7.1	5.5	4.0	2.4	0.9
92.5°	34.8	33.5	31.9	30.1	28.5	26.9	25.5	24.4	23.2	22.2	21.1
95°	68.5	67.2	65.3	63.3	61.4	59.4	58.3	57.9	57.5	57.1	56.7
97.5°	108.2	106.9	104.3	101.6	98.9	96.3	94.9	94.7	94.5	94.4	94.2
100°	135.3	133.5	131.0	128.5	125.9	123.4	122.2	122.2	122.2	122.2	122.2
102.5°	163.3	161.4	160.1	158.9	157.6	156.3	155.2	154.5	153.7	152.9	152.1
105°	209.7	208.5	207.3	206.2	205.0	203.9	202.8	201.8	200.9	199.8	198.9
107.5°	259.5	258.9	258.0	257.2	256.2	255.4	254.4	253.5	252.5	251.5	250.6
110°	293.7	293.2	292.6	292.0	291.4	290.8	290.1	289.0	288.1	287.1	286.1



TEST NUMBER: P333473-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	328.3	328.0	327.3	326.6	325.8	325.1	324.4	324.0	323.5	323.0	322.4
115°	381.1	381.3	380.8	380.5	380.0	379.7	379.1	378.3	377.5	376.8	376.0
117.5°	433.1	432.9	432.6	432.2	431.9	431.5	431.2	430.8	430.4	430.1	429.7
120°	468.5	468.5	468.3	468.1	467.9	467.7	467.1	466.1	465.2	464.3	463.2
122.5°	503.3	503.4	502.9	502.4	501.9	501.4	500.9	500.6	500.2	499.9	499.6
125°	554.5	554.8	554.7	554.5	554.3	554.1	553.4	552.2	551.0	549.9	548.7
127.5°	604.9	605.1	604.9	604.7	604.4	604.2	603.7	603.0	602.4	601.8	601.1
130°	638.4	638.6	638.3	637.8	637.5	637.1	636.4	635.4	634.5	633.4	632.5
132.5°	670.5	670.7	670.8	670.9	671.0	671.1	670.3	668.7	667.1	665.5	663.9
135°	719.7	719.7	719.5	719.4	719.2	718.9	718.3	717.1	715.9	714.8	713.6
137.5°	767.6	767.4	767.0	766.5	766.1	765.7	764.9	763.8	762.7	761.6	760.4
140°	797.8	797.4	796.8	796.3	795.7	795.0	794.3	793.3	792.4	791.3	790.4
142.5°	827.6	827.4	826.6	826.0	825.2	824.5	823.7	822.9	822.1	821.2	820.4
145°	870.6	870.6	870.1	869.5	868.9	868.3	867.6	866.9	866.1	865.3	864.5
147.5°	909.9	909.4	909.0	908.4	908.0	907.6	907.1	906.6	906.3	905.9	905.4
150°	935.2	935.2	934.4	933.7	932.9	932.1	931.9	932.0	932.2	932.5	932.6
152.5°	958.0	957.6	957.3	956.9	956.7	956.3	956.1	955.8	955.5	955.2	954.9
155°	991.0	990.2	990.0	989.8	989.6	989.4	989.3	989.3	989.3	989.3	989.3
157.5°	1019.8	1019.0	1018.8	1018.6	1018.4	1018.2	1018.3	1018.7	1019.2	1019.6	1020.0
160°	1037.2	1036.5	1036.2	1036.0	1035.9	1035.7	1035.9	1036.5	1037.0	1037.6	1038.2
162.5°	1053.4	1052.5	1052.5	1052.4	1052.4	1052.3	1052.5	1052.9	1053.3	1053.8	1054.2
165°	1075.6	1074.8	1074.6	1074.4	1074.3	1074.0	1074.1	1074.5	1074.9	1075.3	1075.7
167.5°	1091.5	1090.4	1090.4	1090.4	1090.4	1090.4	1090.7	1091.5	1092.3	1093.0	1093.8
170°	1101.3	1100.1	1100.1	1100.1	1100.1	1100.1	1100.5	1101.3	1102.1	1102.9	1103.6
172.5°	1108.3	1107.1	1107.1	1107.1	1107.1	1107.1	1107.5	1108.3	1109.1	1109.8	1110.6
175°	1116.1	1114.9	1114.9	1114.9	1114.9	1114.9	1115.3	1116.1	1116.9	1117.7	1118.4
177.5°	1119.9	1119.0	1119.1	1119.3	1119.4	1119.6	1120.0	1120.6	1121.2	1121.8	1122.5
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



TEST NUMBER: P333473-935

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1589.8	1597.4	1602.2	1611.4	1618.9	1623.2	1626.9	1630.1	1633.9	1637.1	1646.2
5°	1600.1	1617.5	1632.3	1655.1	1675.9	1692.0	1709.4	1724.9	1737.7	1755.8	1769.9
7.5°	1595.6	1626.6	1659.1	1694.4	1730.5	1764.1	1795.0	1823.9	1850.0	1881.7	1909.4
10°	1591.3	1633.7	1675.2	1722.9	1771.9	1813.5	1852.4	1892.0	1920.9	1961.2	1995.4
12.5°	1588.1	1637.9	1688.2	1745.4	1799.2	1858.0	1909.9	1938.7	1982.6	2014.8	2055.6
15°	1574.6	1640.4	1709.4	1773.9	1850.4	1904.8	1950.4	2006.8	2047.7	2088.7	2133.0
17.5°	1550.2	1624.8	1702.1	1786.5	1859.9	1918.3	1977.1	2031.5	2080.3	2135.3	2190.4
20°	1539.0	1613.5	1702.1	1788.6	1860.4	1921.6	1981.9	2041.7	2095.4	2165.8	2229.6
22.5°	1515.4	1605.4	1687.0	1771.5	1845.5	1911.9	1980.4	2048.1	2119.5	2199.2	2279.0
25°	1473.3	1564.5	1651.1	1734.3	1808.8	1892.0	1965.1	2055.8	2147.1	2252.5	2351.7
27.5°	1429.4	1516.8	1596.2	1676.5	1763.4	1857.7	1952.6	2055.4	2174.9	2307.9	2448.0
30°	1394.0	1476.5	1553.8	1636.3	1726.9	1833.0	1937.0	2059.2	2197.4	2347.1	2513.5
32.5°	1352.6	1428.7	1503.8	1591.2	1689.9	1801.8	1923.0	2057.0	2223.2	2393.2	2564.6
35°	1281.9	1345.7	1422.9	1516.1	1627.5	1755.8	1896.1	2054.4	2245.1	2440.3	2584.6
37.5°	1198.0	1257.4	1338.7	1441.0	1557.8	1695.4	1861.8	2049.8	2252.2	2407.9	2454.5
40°	1141.7	1196.7	1281.3	1387.3	1506.8	1652.4	1835.0	2033.7	2229.6	2328.9	2290.7
42.5°	1081.5	1139.3	1221.7	1326.6	1455.3	1613.8	1801.1	1999.8	2164.1	2201.7	2069.5
45°	986.6	1046.4	1127.6	1233.6	1371.8	1543.7	1739.0	1919.5	2014.1	1946.4	1741.7
47.5°	898.5	954.4	1029.7	1139.1	1281.8	1459.5	1647.6	1791.7	1799.1	1637.4	1418.8
50°	838.3	889.9	965.8	1075.2	1216.9	1396.7	1566.5	1679.9	1628.9	1445.7	1235.6
52.5°	779.2	829.8	904.6	1013.0	1153.0	1317.8	1475.8	1555.4	1459.2	1271.2	1091.7
55°	694.0	738.3	811.4	911.5	1044.3	1197.4	1331.6	1359.1	1234.2	1049.0	903.4
57.5°	610.8	652.1	718.7	810.8	932.3	1067.8	1172.8	1166.9	1034.9	876.0	760.4
60°	554.4	594.7	653.8	743.6	854.4	971.2	1061.1	1039.7	908.8	771.9	674.5
62.5°	503.9	539.8	595.7	674.4	775.5	883.6	957.5	925.8	797.6	677.9	601.0
65°	429.6	459.8	507.4	574.5	658.4	747.7	804.7	763.8	654.4	561.1	499.4
67.5°	358.5	382.7	422.7	476.2	547.8	619.5	654.3	613.0	525.6	457.4	411.7
70°	313.4	334.9	365.8	413.5	475.9	536.2	562.4	525.6	450.4	391.9	359.0
72.5°	268.4	286.0	313.1	356.0	406.0	458.4	481.4	446.1	384.4	335.0	304.3
75°	207.4	219.5	238.2	267.8	307.4	349.0	361.8	330.9	291.3	254.3	234.3
77.5°	148.4	158.7	172.9	191.6	219.6	246.1	257.2	239.4	208.7	185.4	168.8
80°	114.1	119.5	131.6	147.0	169.1	185.9	193.3	181.9	160.4	142.9	130.2
82.5°	81.4	86.7	93.9	106.7	120.8	132.2	140.2	132.5	116.9	103.2	95.8
85°	39.6	43.0	47.0	52.3	63.1	69.8	69.1	64.4	58.4	53.0	49.0
87.5°	14.5	15.3	17.2	20.2	22.1	24.5	25.9	25.1	23.2	21.8	20.3
90°	2.4	4.0	5.5	7.1	8.5	9.9	11.3	12.6	13.9	14.9	15.9
92.5°	22.2	23.2	24.4	25.5	26.9	28.5	30.1	31.9	33.5	34.8	36.1
95°	57.1	57.5	57.9	58.3	59.4	61.4	63.3	65.3	67.2	68.5	69.9
97.5°	94.4	94.5	94.7	94.9	96.3	98.9	101.6	104.3	106.9	108.2	109.5
100°	122.2	122.2	122.2	122.2	123.4	125.9	128.5	131.0	133.5	135.3	137.0
102.5°	152.9	153.7	154.5	155.2	156.3	157.6	158.9	160.1	161.4	163.3	165.2
105°	199.8	200.9	201.8	202.8	203.9	205.0	206.2	207.3	208.5	209.7	210.9
107.5°	251.5	252.5	253.5	254.4	255.4	256.2	257.2	258.0	258.9	259.5	260.1
110°	287.1	288.1	289.0	290.1	290.8	291.4	292.0	292.6	293.2	293.7	294.3



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	323.0	323.5	324.0	324.4	325.1	325.8	326.6	327.3	328.0	328.3	328.6
115°	376.8	377.5	378.3	379.1	379.7	380.0	380.5	380.8	381.3	381.1	380.8
117.5°	430.1	430.4	430.8	431.2	431.5	431.9	432.2	432.6	432.9	433.1	433.2
120°	464.3	465.2	466.1	467.1	467.7	467.9	468.1	468.3	468.5	468.5	468.5
122.5°	499.9	500.2	500.6	500.9	501.4	501.9	502.4	502.9	503.4	503.3	503.1
125°	549.9	551.0	552.2	553.4	554.1	554.3	554.5	554.7	554.8	554.5	554.1
127.5°	601.8	602.4	603.0	603.7	604.2	604.4	604.7	604.9	605.1	604.9	604.7
130°	633.4	634.5	635.4	636.4	637.1	637.5	637.8	638.3	638.6	638.4	638.3
132.5°	665.5	667.1	668.7	670.3	671.1	671.0	670.9	670.8	670.7	670.5	670.3
135°	714.8	715.9	717.1	718.3	718.9	719.2	719.4	719.5	719.7	719.7	719.7
137.5°	761.6	762.7	763.8	764.9	765.7	766.1	766.5	767.0	767.4	767.6	767.8
140°	791.3	792.4	793.3	794.3	795.0	795.7	796.3	796.8	797.4	797.8	798.1
142.5°	821.2	822.1	822.9	823.7	824.5	825.2	826.0	826.6	827.4	827.6	827.9
145°	865.3	866.1	866.9	867.6	868.3	868.9	869.5	870.1	870.6	870.6	870.6
147.5°	905.9	906.3	906.6	907.1	907.6	908.0	908.4	909.0	909.4	909.9	910.3
150°	932.5	932.2	932.0	931.9	932.1	932.9	933.7	934.4	935.2	935.2	935.2
152.5°	955.2	955.5	955.8	956.1	956.3	956.7	956.9	957.3	957.6	958.0	958.5
155°	989.3	989.3	989.3	989.3	989.4	989.6	989.8	990.0	990.2	991.0	991.8
157.5°	1019.6	1019.2	1018.7	1018.3	1018.2	1018.4	1018.6	1018.8	1019.0	1019.8	1020.5
160°	1037.6	1037.0	1036.5	1035.9	1035.7	1035.9	1036.0	1036.2	1036.5	1037.2	1038.0
162.5°	1053.8	1053.3	1052.9	1052.5	1052.3	1052.4	1052.4	1052.5	1052.5	1053.4	1054.4
165°	1075.3	1074.9	1074.5	1074.1	1074.0	1074.3	1074.4	1074.6	1074.8	1075.6	1076.3
167.5°	1093.0	1092.3	1091.5	1090.7	1090.4	1090.4	1090.4	1090.4	1090.4	1091.5	1092.7
170°	1102.9	1102.1	1101.3	1100.5	1100.1	1100.1	1100.1	1100.1	1100.1	1101.3	1102.4
172.5°	1109.8	1109.1	1108.3	1107.5	1107.1	1107.1	1107.1	1107.1	1107.1	1108.3	1109.4
175°	1117.7	1116.9	1116.1	1115.3	1114.9	1114.9	1114.9	1114.9	1114.9	1116.1	1117.2
177.5°	1121.8	1121.2	1120.6	1120.0	1119.6	1119.4	1119.3	1119.1	1119.0	1119.9	1120.8
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3	1581.3
2.5°	1653.7	1658.0	1667.2	1664.0	1668.3	1670.4	1672.6
5°	1787.3	1808.8	1818.2	1816.9	1830.9	1827.6	1824.2
7.5°	1938.2	1960.8	1973.4	1989.1	1998.2	1998.9	2006.8
10°	2023.6	2053.1	2065.2	2082.0	2092.7	2098.8	2098.1
12.5°	2089.0	2112.2	2139.2	2147.5	2162.0	2169.6	2166.8
15°	2167.9	2204.8	2233.0	2247.0	2265.2	2270.5	2277.9
17.5°	2238.3	2287.8	2320.7	2364.4	2380.9	2391.0	2385.1
20°	2291.4	2356.5	2389.4	2441.7	2470.6	2486.1	2480.6
22.5°	2354.2	2424.7	2485.4	2530.8	2574.7	2595.6	2599.9
25°	2461.9	2558.5	2647.7	2707.5	2761.8	2774.6	2802.8
27.5°	2582.1	2696.0	2791.5	2854.4	2892.2	2906.4	2915.3
30°	2657.8	2771.2	2843.1	2883.3	2895.5	2894.1	2892.7
32.5°	2694.8	2765.9	2779.7	2768.5	2740.8	2717.4	2693.0
35°	2642.4	2589.4	2510.2	2408.1	2333.0	2257.1	2249.8
37.5°	2376.4	2206.9	2075.1	1927.9	1842.9	1790.4	1754.2
40°	2126.2	1933.6	1773.9	1649.8	1563.1	1529.0	1495.4
42.5°	1854.6	1670.5	1529.0	1425.3	1360.2	1322.2	1295.6
45°	1506.8	1344.4	1233.6	1158.5	1106.7	1077.2	1060.4
47.5°	1234.7	1114.6	1020.5	966.2	930.5	907.6	907.7
50°	1088.6	973.9	911.5	868.5	837.6	819.5	822.9
52.5°	959.2	873.5	820.2	784.2	761.4	750.2	749.8
55°	802.0	740.3	705.4	679.2	663.7	651.0	653.8
57.5°	686.0	634.0	610.6	588.9	578.2	573.1	565.7
60°	614.2	573.9	553.7	536.2	525.6	521.5	514.1
62.5°	550.3	518.6	498.9	484.7	475.0	473.7	468.0
65°	462.4	438.2	420.9	414.1	404.1	401.4	401.4
67.5°	381.3	363.9	350.3	344.1	339.8	340.4	337.2
70°	330.2	316.2	307.4	300.7	297.3	298.0	295.3
72.5°	288.9	273.2	265.5	261.5	257.1	258.8	257.7
75°	218.8	210.8	206.7	202.7	200.0	198.6	197.3
77.5°	160.7	153.6	150.5	148.2	148.6	145.3	147.9
80°	124.2	118.1	116.1	112.8	112.1	112.1	111.4
82.5°	90.8	87.5	86.0	83.3	82.1	83.1	81.4
85°	47.0	44.3	43.7	43.7	42.3	41.0	44.3
87.5°	20.6	18.6	18.8	18.3	18.4	18.0	17.0
90°	16.9	17.8	18.6	19.2	19.8	20.3	20.9
92.5°	37.4	38.7	39.4	39.9	40.3	40.7	41.2
95°	71.2	72.6	73.4	73.9	74.2	74.6	75.0
97.5°	110.8	112.1	112.8	113.0	113.3	113.6	113.7
100°	138.7	140.4	141.5	141.9	142.3	142.7	143.1
102.5°	167.1	169.0	170.2	170.7	171.3	171.9	172.4
105°	212.0	213.2	214.0	214.6	215.2	215.8	216.4
107.5°	260.7	261.2	261.6	261.5	261.5	261.4	261.4
110°	294.9	295.5	295.7	295.5	295.2	295.1	294.9



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	328.8	329.1	329.1	328.7	328.4	328.0	327.7
115°	380.6	380.5	380.3	380.0	379.9	379.7	379.5
117.5°	433.3	433.5	433.2	432.4	431.6	430.8	430.1
120°	468.5	468.5	468.1	467.4	466.6	465.8	465.0
122.5°	502.9	502.7	502.4	501.8	501.1	500.5	499.9
125°	553.7	553.3	553.0	552.8	552.6	552.4	552.2
127.5°	604.5	604.3	604.1	603.6	603.3	602.9	602.5
130°	638.0	637.8	637.6	637.1	636.8	636.4	636.0
132.5°	670.1	669.9	669.6	669.0	668.5	668.0	667.4
135°	719.7	719.7	719.4	718.6	717.8	717.0	716.3
137.5°	768.1	768.3	767.9	767.0	766.0	765.0	764.1
140°	798.6	798.9	798.7	797.7	796.7	795.7	794.8
142.5°	828.1	828.4	827.9	827.0	826.0	825.1	824.1
145°	870.6	870.6	870.4	869.8	869.2	868.7	868.1
147.5°	910.8	911.3	910.9	909.6	908.2	906.9	905.6
150°	935.2	935.2	935.0	934.6	934.3	933.8	933.5
152.5°	959.0	959.4	959.3	958.6	957.9	957.2	956.5
155°	992.6	993.3	993.2	992.2	991.3	990.3	989.3
157.5°	1021.3	1022.1	1021.8	1020.5	1019.3	1018.0	1016.8
160°	1038.8	1039.6	1039.4	1038.5	1037.5	1036.6	1035.5
162.5°	1055.2	1056.2	1056.1	1055.0	1053.9	1052.7	1051.6
165°	1077.1	1077.9	1077.7	1076.6	1075.4	1074.3	1073.1
167.5°	1093.8	1095.0	1095.0	1093.8	1092.6	1091.4	1090.2
170°	1103.6	1104.7	1104.7	1103.3	1102.0	1100.6	1099.2
172.5°	1110.6	1111.7	1111.7	1110.5	1109.3	1108.1	1106.9
175°	1118.4	1119.6	1119.5	1118.2	1116.8	1115.4	1114.0
177.5°	1121.8	1122.7	1122.6	1121.5	1120.4	1119.4	1118.3
180°	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0	1121.0

(END OF REPORT)