

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: P333313-840

Luminaire Tested: **S125DIP-S1270D810U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333313-840  
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-S1270D810U840-4F0-1E-UDD-A  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8507.4 lumens  
Efficiency: N/A  
Efficacy: 140.2 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: Semi-Direct

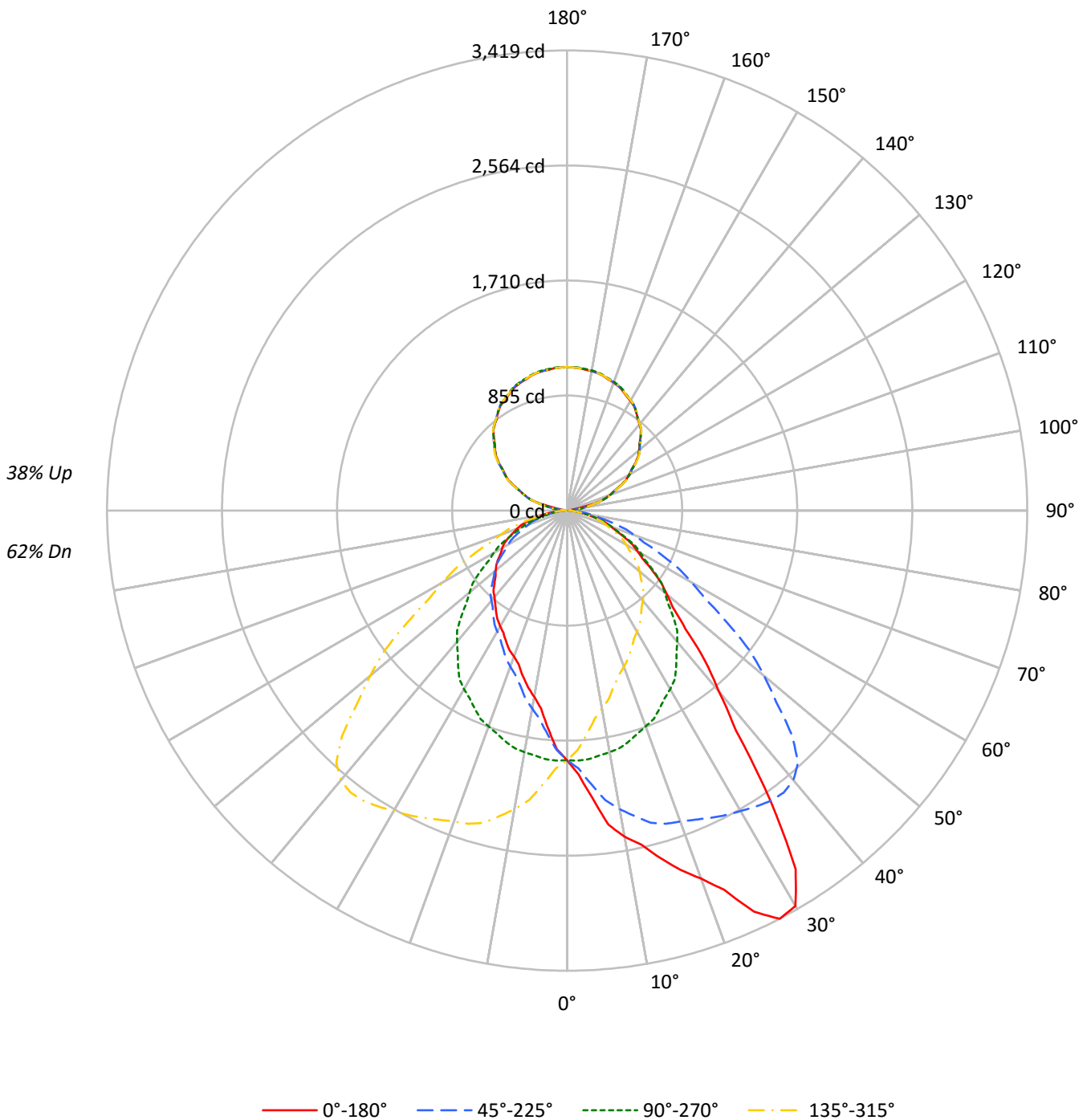
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	93	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	50	48	44
3	84	74	67	61	78	70	64	58	62	57	52	54	50	47	47	44	41	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31	28
6	65	53	45	39	61	50	43	37	45	38	34	39	34	31	34	31	28	25
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	28	25	22
8	56	44	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18
10	49	37	29	24	46	35	28	23	31	26	22	28	23	20	25	21	18	16

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

	0°	90°	180°	270°
0°	11978	11978	11978	11978
5°	13871	12019	10524	12019
10°	16138	11956	9220	11956
15°	17864	11869	8505	11869
20°	19996	11730	7932	11730
25°	23426	11573	7652	11573
30°	25302	11419	7409	11419
35°	20805	11129	7250	11129
40°	14787	10725	7075	10725
45°	11359	10181	6974	10181
50°	9697	9507	6961	9507
55°	8634	8847	7020	8847
60°	7789	8123	7198	8123
65°	7195	7398	7386	7398
70°	6541	6643	7493	6643
75°	5777	5854	7426	5854
80°	4861	4775	6791	4775
85°	3846	3446	5483	3446



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.6	2.1
10°-20°	531.6	6.2
20°-30°	863.2	10.1
30°-40°	1053.0	12.4
40°-50°	957.9	11.3
50°-60°	763.0	9.0
60°-70°	531.4	6.2
70°-80°	283.4	3.3
80°-90°	73.8	0.9
90°-100°	38.7	0.5
100°-110°	238.6	2.8
110°-120°	432.8	5.1
120°-130°	555.4	6.5
130°-140°	597.4	7.0
140°-150°	560.7	6.6
150°-160°	453.6	5.3
160°-170°	293.3	3.4
170°-180°	101.2	1.2
0°-30°	1573.4	18.5
0°-40°	2626.3	30.9
0°-60°	4347.2	51.1
0°-90°	5235.8	61.5
90°-120°	710.1	8.3
90°-150°	2423.5	28.5
90°-180°	3272.0	38.5
0°-180°	8507.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1855	1855	1855	1855	1855	
5°	2140	1854	1623	1854	2140	216
15°	2672	1775	1272	1775	2672	765
25°	3287	1624	1074	1624	3287	1502
35°	2639	1412	920	1412	2639	1615
45°	1244	1115	764	1115	1244	995
55°	767	786	624	786	767	691
65°	471	484	483	484	471	467
75°	232	235	298	235	232	249
85°	52	46	74	46	52	60
90°	19	1	19	1	19	10
95°	17	45	17	45	17	14
105°	235	232	235	232	235	212
115°	433	436	433	436	433	430
125°	620	620	620	620	620	552
135°	770	773	770	773	770	594
145°	894	896	894	896	894	558
155°	980	987	980	987	980	452
165°	1036	1042	1036	1042	1036	292
175°	1061	1065	1061	1065	1061	101
180°	1065	1065	1065	1065	1065	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1961.8	1959.2	1956.7	1951.7	1955.4	1944.7	1939.6	1930.9	1920.2	1916.4	1912.0
5°	2139.6	2143.5	2147.5	2131.0	2132.5	2121.5	2096.4	2075.9	2059.3	2038.1	2023.2
7.5°	2353.8	2344.5	2343.7	2333.0	2314.6	2299.8	2273.3	2239.6	2207.1	2169.9	2139.2
10°	2460.8	2461.6	2454.6	2442.0	2422.3	2408.1	2373.5	2340.4	2300.3	2253.0	2219.2
12.5°	2541.4	2544.8	2535.8	2518.8	2509.1	2477.4	2450.2	2411.0	2363.2	2325.4	2273.9
15°	2671.8	2663.1	2656.9	2635.5	2619.1	2586.0	2542.7	2501.7	2449.8	2401.8	2353.8
17.5°	2797.4	2804.4	2792.6	2773.2	2721.9	2683.3	2625.2	2569.1	2504.5	2440.0	2382.8
20°	2909.5	2915.9	2897.7	2863.9	2802.5	2763.9	2687.6	2615.1	2540.3	2457.7	2394.7
22.5°	3049.4	3044.3	3019.9	2968.4	2915.2	2843.9	2761.3	2673.0	2579.4	2486.0	2402.3
25°	3287.4	3254.3	3239.3	3175.6	3105.5	3000.8	2887.5	2758.3	2641.9	2518.3	2411.3
27.5°	3419.3	3408.9	3392.2	3347.9	3274.2	3162.2	3028.6	2871.2	2706.9	2550.9	2410.7
30°	3392.8	3394.5	3396.1	3381.8	3334.7	3250.4	3117.4	2948.1	2752.9	2577.4	2415.2
32.5°	3158.7	3187.2	3214.7	3247.1	3260.3	3244.1	3160.8	3008.0	2807.0	2607.6	2412.7
35°	2638.8	2647.4	2736.3	2824.5	2944.2	3037.1	3099.3	3031.5	2862.3	2633.2	2409.6
37.5°	2057.5	2100.0	2161.5	2261.2	2433.9	2588.5	2787.3	2878.8	2824.2	2641.6	2404.2
40°	1753.9	1793.3	1833.4	1935.0	2080.6	2268.0	2493.9	2686.7	2731.6	2615.1	2385.3
42.5°	1519.6	1550.8	1595.4	1671.7	1793.4	1959.3	2175.2	2427.3	2582.3	2538.3	2345.6
45°	1243.7	1263.4	1298.1	1358.8	1446.9	1576.8	1767.3	2042.9	2282.9	2362.4	2251.4
47.5°	1064.6	1064.5	1091.4	1133.3	1196.9	1307.3	1448.1	1664.1	1920.5	2110.2	2101.4
50°	965.1	961.2	982.4	1018.7	1069.0	1142.3	1276.9	1449.3	1695.7	1910.6	1970.3
52.5°	879.5	879.9	893.0	919.8	962.0	1024.5	1125.1	1280.5	1491.0	1711.5	1824.3
55°	766.8	763.6	778.5	796.7	827.4	868.3	940.7	1059.6	1230.4	1447.6	1594.1
57.5°	663.5	672.2	678.1	690.7	716.2	743.6	804.7	891.9	1027.4	1213.9	1368.7
60°	603.0	611.7	616.4	628.9	649.4	673.1	720.3	791.1	905.3	1065.9	1219.4
62.5°	548.9	555.6	557.1	568.6	585.2	608.2	645.4	704.9	795.1	935.5	1085.9
65°	470.8	470.8	473.9	485.7	493.6	514.0	542.4	585.7	658.1	767.5	895.9
67.5°	395.5	399.3	398.5	403.6	410.9	426.9	447.2	482.9	536.5	616.4	719.0
70°	346.4	349.5	348.7	352.6	360.5	370.8	387.3	421.1	459.7	528.3	616.4
72.5°	302.3	303.6	301.5	306.7	311.4	320.4	338.8	356.9	392.9	450.8	523.2
75°	231.5	233.0	234.6	237.7	242.5	247.2	256.6	274.8	298.3	341.6	388.1
77.5°	173.5	170.5	174.3	173.8	176.5	180.2	188.4	198.0	217.4	244.8	280.7
80°	130.7	131.5	131.5	132.3	136.2	138.6	145.6	152.7	167.6	188.1	213.4
82.5°	95.4	97.5	96.2	97.7	100.9	102.6	106.5	112.4	121.1	137.1	155.4
85°	51.9	48.1	49.6	51.2	51.2	51.9	55.1	57.5	62.2	68.5	75.5
87.5°	18.9	20.1	20.6	20.5	21.0	20.9	23.2	23.0	24.7	26.5	28.8
90°	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.4	13.5	12.6	11.4
92.5°	17.7	17.5	17.2	17.0	16.7	16.2	15.2	14.4	13.5	12.6	11.5
95°	16.6	16.6	16.6	16.6	16.6	16.2	15.2	14.4	13.5	12.6	19.3
97.5°	16.6	16.6	16.6	16.6	16.6	19.1	24.0	29.0	33.9	38.9	52.0
100°	16.6	17.3	18.0	18.7	19.4	32.8	59.0	85.1	111.3	137.4	136.7
102.5°	99.4	111.3	123.2	135.1	147.1	155.5	160.5	165.4	170.4	175.3	174.9
105°	234.6	234.7	234.9	235.1	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	295.7	296.2	296.7	297.3	297.8	298.0	298.0	298.0	297.9	297.9	297.5
110°	338.0	337.8	337.7	337.5	337.3	337.5	338.0	338.5	339.1	339.6	339.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	376.0	376.2	376.4	376.7	376.9	377.4	378.0	378.7	379.4	380.0	379.8
115°	432.8	433.8	434.8	436.0	437.0	437.9	438.6	439.3	440.0	440.7	440.5
117.5°	493.4	493.9	494.3	494.8	495.2	495.9	496.9	497.8	498.7	499.6	499.0
120°	530.7	531.6	532.5	533.3	534.2	534.8	535.2	535.5	535.9	536.2	535.7
122.5°	566.1	567.1	568.2	569.2	570.2	570.9	571.2	571.6	571.9	572.3	572.0
125°	620.0	620.5	621.0	621.6	622.1	622.7	623.4	624.1	624.8	625.5	625.5
127.5°	665.3	666.6	667.9	669.2	670.4	671.4	671.8	672.1	672.5	672.9	673.0
130°	698.1	699.0	699.9	700.7	701.7	702.4	702.9	703.4	704.0	704.5	704.3
132.5°	728.5	729.3	730.2	731.1	732.0	732.5	732.6	732.7	732.8	732.9	733.3
135°	770.0	771.0	772.1	773.2	774.3	775.0	775.3	775.7	776.0	776.4	776.7
137.5°	811.7	812.6	813.5	814.5	815.4	815.8	815.7	815.7	815.6	815.5	815.9
140°	836.4	837.4	838.5	839.5	840.6	840.9	840.6	840.2	839.9	839.5	839.7
142.5°	859.7	860.8	861.8	862.9	863.9	864.4	864.3	864.3	864.2	864.1	863.9
145°	894.0	895.0	896.2	897.2	898.2	898.7	898.5	898.3	898.2	898.0	898.0
147.5°	922.3	923.5	924.8	926.0	927.4	927.9	927.7	927.5	927.3	927.1	926.9
150°	940.6	942.0	943.4	944.8	946.2	946.7	946.4	946.0	945.7	945.3	945.0
152.5°	957.7	959.0	960.2	961.5	962.7	963.2	962.8	962.5	962.1	961.8	961.4
155°	980.1	981.5	982.9	984.3	985.7	986.1	985.6	985.1	984.5	984.0	983.7
157.5°	998.9	1000.3	1001.7	1003.1	1004.5	1004.9	1004.4	1003.8	1003.2	1002.7	1002.6
160°	1010.9	1012.3	1013.7	1015.1	1016.5	1016.8	1016.1	1015.4	1014.7	1014.0	1013.9
162.5°	1021.7	1023.2	1024.7	1026.2	1027.8	1028.0	1027.1	1026.1	1025.1	1024.2	1024.0
165°	1036.1	1037.5	1038.9	1040.4	1041.8	1042.0	1040.9	1039.9	1038.8	1037.7	1037.5
167.5°	1046.3	1047.8	1049.5	1051.0	1052.6	1052.8	1051.5	1050.3	1048.9	1047.7	1047.5
170°	1052.0	1053.5	1055.1	1056.7	1058.2	1058.3	1056.9	1055.5	1054.2	1052.8	1052.6
172.5°	1055.7	1057.3	1058.9	1060.5	1062.1	1062.3	1061.0	1059.7	1058.4	1057.1	1056.8
175°	1060.7	1062.3	1063.8	1065.4	1066.9	1067.0	1065.6	1064.2	1062.9	1061.5	1061.3
177.5°	1063.5	1064.6	1065.7	1066.8	1068.0	1068.0	1067.0	1066.1	1065.1	1064.1	1064.0
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1908.2	1903.8	1898.7	1890.0	1879.3	1873.6	1864.7	1859.1	1847.8	1838.3	1828.3
5°	2005.0	1984.6	1965.7	1941.3	1914.5	1897.1	1876.7	1853.9	1830.3	1805.8	1779.1
7.5°	2105.4	2069.1	2029.7	1987.4	1946.0	1907.8	1871.5	1835.7	1802.4	1762.1	1728.0
10°	2172.7	2127.1	2078.2	2020.7	1964.9	1916.1	1866.4	1823.2	1779.1	1731.8	1690.1
12.5°	2240.1	2179.3	2110.3	2047.2	1980.0	1921.1	1862.7	1807.5	1752.0	1699.7	1651.1
15°	2287.6	2234.1	2170.3	2080.6	2005.0	1924.0	1846.8	1775.1	1708.3	1650.0	1588.6
17.5°	2319.0	2250.0	2181.5	2095.4	1996.4	1905.7	1818.3	1736.3	1660.8	1587.0	1527.8
20°	2324.6	2253.8	2182.1	2097.9	1996.4	1892.5	1805.0	1706.7	1625.6	1549.2	1476.8
22.5°	2322.8	2242.4	2164.5	2077.8	1978.7	1883.0	1777.4	1677.1	1589.0	1514.0	1438.4
25°	2304.9	2219.2	2121.5	2034.2	1936.5	1835.0	1728.0	1624.1	1534.3	1448.4	1373.7
27.5°	2290.2	2178.9	2068.3	1966.4	1872.2	1779.1	1676.6	1570.1	1470.7	1383.7	1313.2
30°	2271.9	2149.9	2025.5	1919.2	1822.4	1731.8	1635.1	1531.2	1427.2	1342.2	1266.7
32.5°	2255.5	2113.3	1982.1	1866.3	1763.8	1675.8	1586.5	1487.6	1385.6	1299.4	1223.8
35°	2223.9	2059.3	1908.9	1778.3	1668.9	1578.3	1503.6	1411.5	1317.8	1234.4	1162.0
37.5°	2183.7	1988.5	1827.1	1690.1	1570.1	1474.8	1405.1	1334.4	1244.6	1164.2	1098.6
40°	2152.2	1938.1	1767.3	1627.2	1502.8	1403.6	1339.1	1272.1	1197.4	1122.6	1053.3
42.5°	2112.5	1892.8	1706.9	1556.0	1432.9	1336.3	1268.5	1211.6	1145.7	1076.0	1011.7
45°	2039.6	1810.6	1609.0	1446.9	1322.5	1227.3	1157.2	1114.7	1065.1	999.0	944.6
47.5°	1932.5	1711.8	1503.4	1336.1	1207.7	1119.4	1053.8	1013.0	978.1	928.9	879.6
50°	1837.3	1638.2	1427.2	1261.1	1132.8	1043.8	983.2	946.2	916.4	878.5	836.8
52.5°	1730.9	1545.6	1352.3	1188.1	1061.0	973.3	913.9	881.4	856.5	829.4	788.3
55°	1561.9	1404.4	1224.9	1069.0	951.7	866.0	814.0	785.7	765.2	744.7	719.5
57.5°	1375.5	1252.4	1093.5	951.0	842.9	764.9	716.4	688.8	672.9	662.4	647.5
60°	1244.6	1139.1	1002.1	872.2	766.8	697.5	650.3	628.9	615.6	606.9	595.9
62.5°	1123.1	1036.4	909.6	791.0	698.7	633.2	591.1	570.4	557.6	553.4	544.3
65°	943.8	877.0	772.2	673.9	595.1	539.3	503.8	484.1	476.3	471.5	472.3
67.5°	767.4	726.6	642.5	558.6	495.7	448.9	420.5	405.5	401.5	395.2	395.1
70°	659.6	628.9	558.2	484.9	429.0	392.8	367.6	351.8	347.9	344.8	344.1
72.5°	564.6	537.7	476.3	417.6	367.3	335.5	314.8	305.3	298.8	296.9	296.8
75°	424.3	409.4	360.5	314.1	279.4	257.4	243.3	234.6	229.8	229.0	229.8
77.5°	301.6	288.6	257.6	224.7	202.8	186.1	174.1	171.2	165.8	165.9	165.1
80°	226.7	218.0	198.3	172.4	154.3	140.2	133.8	128.4	126.7	124.4	126.7
82.5°	164.4	155.1	141.7	125.1	110.2	101.7	95.4	93.7	92.7	91.6	92.1
85°	81.1	81.9	74.0	61.4	55.1	50.4	46.5	46.5	45.6	44.8	45.6
87.5°	29.8	28.3	25.4	23.3	19.9	17.8	16.8	17.2	15.6	15.2	16.2
90°	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	10.5	9.4	8.3	8.3	9.2	10.2	11.2	12.1	11.2	10.2	9.2
95°	26.0	32.6	39.3	42.9	43.4	43.9	44.5	45.0	44.5	43.9	43.4
97.5°	65.2	78.5	91.7	97.8	96.8	95.8	94.9	94.0	94.9	95.8	96.8
100°	136.0	135.3	134.6	134.0	133.5	132.9	132.4	131.9	132.4	132.9	133.5
102.5°	174.5	174.1	173.6	173.1	172.4	171.8	171.1	170.5	171.1	171.8	172.4
105°	235.3	235.3	235.3	235.0	234.3	233.6	232.9	232.2	232.9	233.6	234.3
107.5°	297.2	296.8	296.5	296.3	296.3	296.3	296.3	296.3	296.3	296.3	296.3
110°	338.9	338.5	338.2	338.0	338.0	338.0	338.0	338.0	338.0	338.0	338.0





TEST NUMBER: P333313-840

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	379.6	379.4	379.2	378.9	378.5	378.0	377.6	377.2	377.6	378.0	378.5
115°	440.3	440.2	440.0	439.5	438.6	437.7	436.9	436.0	436.9	437.7	438.6
117.5°	498.3	497.6	497.0	496.7	496.7	496.7	496.8	496.8	496.8	496.7	496.7
120°	535.2	534.6	534.1	533.9	534.1	534.3	534.5	534.6	534.5	534.3	534.1
122.5°	571.8	571.5	571.3	570.8	570.2	569.5	568.9	568.2	568.9	569.5	570.2
125°	625.5	625.5	625.5	624.9	623.7	622.4	621.2	620.0	621.2	622.4	623.7
127.5°	673.1	673.2	673.3	672.9	672.1	671.2	670.2	669.4	670.2	671.2	672.1
130°	704.1	704.0	703.8	703.3	702.4	701.5	700.6	699.7	700.6	701.5	702.4
132.5°	733.7	734.1	734.5	734.2	733.1	732.1	731.0	730.0	731.0	732.1	733.1
135°	777.0	777.4	777.7	777.4	776.4	775.3	774.3	773.2	774.3	775.3	776.4
137.5°	816.2	816.5	816.8	816.5	815.6	814.7	813.7	812.8	813.7	814.7	815.6
140°	839.9	840.0	840.2	840.1	839.8	839.4	839.1	838.7	839.1	839.4	839.8
142.5°	863.6	863.4	863.1	862.9	862.7	862.5	862.3	862.1	862.3	862.5	862.7
145°	898.0	898.0	898.0	897.8	897.5	897.1	896.8	896.4	896.8	897.1	897.5
147.5°	926.6	926.3	926.1	926.1	926.1	926.2	926.3	926.3	926.3	926.2	926.1
150°	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3	945.0	944.6	944.3
152.5°	961.1	960.7	960.4	960.6	961.4	962.1	962.9	963.7	962.9	962.1	961.4
155°	983.3	983.0	982.6	983.0	984.0	985.1	986.1	987.2	986.1	985.1	984.0
157.5°	1002.6	1002.6	1002.5	1002.8	1003.5	1004.1	1004.7	1005.3	1004.7	1004.1	1003.5
160°	1013.7	1013.5	1013.4	1013.8	1014.8	1015.9	1016.9	1018.0	1016.9	1015.9	1014.8
162.5°	1023.8	1023.6	1023.5	1023.9	1024.9	1026.0	1027.0	1028.1	1027.0	1026.0	1024.9
165°	1037.4	1037.2	1037.0	1037.4	1038.5	1039.6	1040.7	1041.7	1040.7	1039.6	1038.5
167.5°	1047.3	1047.1	1047.0	1047.4	1048.5	1049.7	1050.8	1051.8	1050.8	1049.7	1048.5
170°	1052.4	1052.2	1052.1	1052.6	1053.8	1055.0	1056.2	1057.5	1056.2	1055.0	1053.8
172.5°	1056.5	1056.2	1055.9	1056.3	1057.6	1058.8	1060.1	1061.3	1060.1	1058.8	1057.6
175°	1061.1	1060.9	1060.8	1061.2	1062.3	1063.3	1064.3	1065.4	1064.3	1063.3	1062.3
177.5°	1063.8	1063.7	1063.6	1063.9	1064.8	1065.6	1066.4	1067.3	1066.4	1065.6	1064.8
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



TEST NUMBER: P333313-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1822.5	1815.6	1810.0	1797.4	1790.4	1781.0	1773.4	1781.6	1772.8	1776.6	1770.9
5°	1765.7	1743.6	1728.0	1705.1	1685.5	1667.3	1654.0	1651.5	1645.3	1642.1	1632.6
7.5°	1697.4	1669.8	1642.7	1612.9	1587.6	1562.0	1545.6	1532.1	1523.1	1511.3	1503.3
10°	1657.1	1620.1	1588.6	1552.4	1520.9	1493.4	1471.3	1460.3	1450.1	1435.1	1429.6
12.5°	1607.3	1569.0	1530.7	1492.0	1461.7	1431.0	1412.1	1395.4	1388.4	1371.5	1369.8
15°	1547.6	1490.2	1452.4	1413.0	1371.3	1346.2	1330.4	1312.3	1304.4	1292.6	1283.9
17.5°	1476.5	1425.1	1378.0	1337.2	1301.4	1280.2	1260.6	1248.2	1234.7	1227.0	1212.7
20°	1424.8	1376.0	1328.8	1285.6	1258.0	1233.6	1217.8	1206.0	1191.8	1187.9	1173.8
22.5°	1381.4	1327.6	1282.2	1245.9	1215.8	1188.2	1171.2	1163.2	1153.5	1141.3	1138.4
25°	1310.7	1254.9	1216.3	1180.0	1153.3	1128.1	1116.3	1106.0	1096.6	1087.9	1084.8
27.5°	1249.6	1199.7	1153.9	1121.2	1097.8	1074.9	1064.5	1052.1	1045.1	1038.1	1029.7
30°	1206.8	1155.6	1115.5	1084.0	1058.8	1038.3	1027.3	1018.7	1012.4	1006.0	1001.4
32.5°	1162.8	1115.3	1076.4	1045.6	1020.4	1004.9	995.2	989.1	982.1	974.5	968.6
35°	1104.5	1052.5	1014.7	988.0	968.3	956.4	945.4	939.9	932.1	932.1	925.7
37.5°	1038.8	993.9	960.6	936.1	918.5	908.0	896.1	892.2	887.2	883.8	881.7
40°	999.8	958.1	926.6	902.1	883.2	874.5	865.2	858.9	855.7	851.7	850.2
42.5°	959.5	919.6	889.4	866.9	850.5	843.1	834.2	829.9	823.5	818.4	817.5
45°	898.2	859.6	832.1	814.0	799.8	791.1	785.7	776.2	773.1	766.8	766.0
47.5°	840.1	803.1	776.1	761.2	748.8	741.7	733.1	723.6	720.0	716.8	716.5
50°	796.7	762.9	737.6	723.5	711.7	701.5	692.8	686.4	684.1	684.1	685.7
52.5°	752.6	723.8	702.4	685.0	673.9	663.0	655.0	651.2	647.5	651.4	654.2
55°	688.0	658.9	643.2	626.6	615.6	603.0	599.1	597.5	595.1	601.5	604.6
57.5°	619.7	599.3	580.8	564.4	554.5	547.2	541.9	541.0	545.4	548.4	558.6
60°	576.2	552.6	536.1	523.5	511.7	507.0	505.4	503.8	507.0	515.6	529.0
62.5°	528.4	509.2	491.4	481.9	473.2	465.4	465.0	466.1	472.3	482.2	495.6
65°	458.2	441.6	429.8	418.8	411.7	407.0	408.6	411.7	418.8	432.2	447.2
67.5°	386.9	375.5	365.0	356.0	349.2	349.2	350.8	355.5	363.9	379.3	392.9
70°	340.8	328.3	319.6	315.7	310.1	307.0	311.7	319.6	326.7	340.8	352.6
72.5°	294.9	284.2	277.4	274.8	272.4	269.8	271.5	279.9	289.5	303.7	317.4
75°	226.7	222.8	218.0	214.9	212.6	214.1	215.7	223.6	231.5	246.4	262.2
77.5°	165.5	161.4	158.5	157.7	156.5	157.2	161.7	167.5	175.2	186.1	198.0
80°	125.1	123.6	122.0	121.2	121.2	122.0	128.4	132.3	139.4	149.6	159.1
82.5°	91.2	90.2	89.9	89.8	90.4	90.5	94.3	99.5	105.3	113.0	121.2
85°	48.1	46.5	48.8	49.6	48.1	50.4	51.9	55.1	57.5	61.4	65.3
87.5°	17.1	18.6	18.2	19.1	19.3	20.8	20.3	23.0	24.4	25.9	25.4
90°	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.4	15.2	16.2	16.9
92.5°	8.3	8.3	9.4	10.5	11.5	12.6	13.5	14.4	15.2	16.2	16.7
95°	42.9	39.3	32.6	26.0	19.3	12.6	13.5	14.4	15.2	16.2	16.6
97.5°	97.8	91.7	78.5	65.2	52.0	38.9	33.9	29.0	24.0	19.1	16.6
100°	134.0	134.6	135.3	136.0	136.7	137.4	111.3	85.1	59.0	32.8	19.4
102.5°	173.1	173.6	174.1	174.5	174.9	175.3	170.4	165.4	160.5	155.5	147.1
105°	235.0	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	296.3	296.5	296.8	297.2	297.5	297.9	297.9	298.0	298.0	298.0	297.8
110°	338.0	338.2	338.5	338.9	339.2	339.6	339.1	338.5	338.0	337.5	337.3



TEST NUMBER: P333313-840

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	378.9	379.2	379.4	379.6	379.8	380.0	379.4	378.7	378.0	377.4	376.9
115°	439.5	440.0	440.2	440.3	440.5	440.7	440.0	439.3	438.6	437.9	437.0
117.5°	496.7	497.0	497.6	498.3	499.0	499.6	498.7	497.8	496.9	495.9	495.2
120°	533.9	534.1	534.6	535.2	535.7	536.2	535.9	535.5	535.2	534.8	534.2
122.5°	570.8	571.3	571.5	571.8	572.0	572.3	571.9	571.6	571.2	570.9	570.2
125°	624.9	625.5	625.5	625.5	625.5	625.5	624.8	624.1	623.4	622.7	622.1
127.5°	672.9	673.3	673.2	673.1	673.0	672.9	672.5	672.1	671.8	671.4	670.4
130°	703.3	703.8	704.0	704.1	704.3	704.5	704.0	703.4	702.9	702.4	701.7
132.5°	734.2	734.5	734.1	733.7	733.3	732.9	732.8	732.7	732.6	732.5	732.0
135°	777.4	777.7	777.4	777.0	776.7	776.4	776.0	775.7	775.3	775.0	774.3
137.5°	816.5	816.8	816.5	816.2	815.9	815.5	815.6	815.7	815.7	815.8	815.4
140°	840.1	840.2	840.0	839.9	839.7	839.5	839.9	840.2	840.6	840.9	840.6
142.5°	862.9	863.1	863.4	863.6	863.9	864.1	864.2	864.3	864.3	864.4	863.9
145°	897.8	898.0	898.0	898.0	898.0	898.0	898.2	898.3	898.5	898.7	898.2
147.5°	926.1	926.1	926.3	926.6	926.9	927.1	927.3	927.5	927.7	927.9	927.4
150°	943.9	943.9	944.3	944.6	945.0	945.3	945.7	946.0	946.4	946.7	946.2
152.5°	960.6	960.4	960.7	961.1	961.4	961.8	962.1	962.5	962.8	963.2	962.7
155°	983.0	982.6	983.0	983.3	983.7	984.0	984.5	985.1	985.6	986.1	985.7
157.5°	1002.8	1002.5	1002.6	1002.6	1002.6	1002.7	1003.2	1003.8	1004.4	1004.9	1004.5
160°	1013.8	1013.4	1013.5	1013.7	1013.9	1014.0	1014.7	1015.4	1016.1	1016.8	1016.5
162.5°	1023.9	1023.5	1023.6	1023.8	1024.0	1024.2	1025.1	1026.1	1027.1	1028.0	1027.8
165°	1037.4	1037.0	1037.2	1037.4	1037.5	1037.7	1038.8	1039.9	1040.9	1042.0	1041.8
167.5°	1047.4	1047.0	1047.1	1047.3	1047.5	1047.7	1048.9	1050.3	1051.5	1052.8	1052.6
170°	1052.6	1052.1	1052.2	1052.4	1052.6	1052.8	1054.2	1055.5	1056.9	1058.3	1058.2
172.5°	1056.3	1055.9	1056.2	1056.5	1056.8	1057.1	1058.4	1059.7	1061.0	1062.3	1062.1
175°	1061.2	1060.8	1060.9	1061.1	1061.3	1061.5	1062.9	1064.2	1065.6	1067.0	1066.9
177.5°	1063.9	1063.6	1063.7	1063.8	1064.0	1064.1	1065.1	1066.1	1067.0	1068.0	1068.0
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



TEST NUMBER: P333313-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1767.2	1771.5	1767.8	1772.8	1767.8	1771.5	1767.2	1770.9	1776.6	1772.8	1781.6
5°	1628.7	1621.6	1626.4	1623.3	1626.4	1621.6	1628.7	1632.6	1642.1	1645.3	1651.5
7.5°	1500.9	1494.1	1486.4	1482.8	1486.4	1494.1	1500.9	1503.3	1511.3	1523.1	1532.1
10°	1420.9	1412.3	1411.5	1405.9	1411.5	1412.3	1420.9	1429.6	1435.1	1450.1	1460.3
12.5°	1362.3	1354.3	1345.3	1343.0	1345.3	1354.3	1362.3	1369.8	1371.5	1388.4	1395.4
15°	1279.2	1272.9	1267.4	1272.1	1267.4	1272.9	1279.2	1283.9	1292.6	1304.4	1312.3
17.5°	1210.1	1204.9	1204.0	1198.1	1204.0	1204.9	1210.1	1212.7	1227.0	1234.7	1248.2
20°	1166.7	1162.8	1164.3	1154.1	1164.3	1162.8	1166.7	1173.8	1187.9	1191.8	1206.0
22.5°	1132.1	1124.3	1123.4	1121.4	1123.4	1124.3	1132.1	1138.4	1141.3	1153.5	1163.2
25°	1077.7	1073.8	1069.9	1073.8	1069.9	1073.8	1077.7	1084.8	1087.9	1096.6	1106.0
27.5°	1030.3	1025.6	1024.5	1024.9	1024.5	1025.6	1030.3	1029.7	1038.1	1045.1	1052.1
30°	1001.4	993.5	994.2	993.5	994.2	993.5	1001.4	1001.4	1006.0	1012.4	1018.7
32.5°	969.9	964.5	963.4	962.0	963.4	964.5	969.9	968.6	974.5	982.1	989.1
35°	923.4	923.4	919.5	919.5	919.5	923.4	923.4	925.7	932.1	932.1	939.9
37.5°	879.8	879.0	876.7	877.0	876.7	879.0	879.8	881.7	883.8	887.2	892.2
40°	847.1	846.3	843.8	839.2	843.8	846.3	847.1	850.2	851.7	855.7	858.9
42.5°	815.6	812.8	811.7	810.2	811.7	812.8	815.6	817.5	818.4	823.5	829.9
45°	766.0	766.0	764.4	763.6	764.4	766.0	766.0	766.0	766.8	773.1	776.2
47.5°	717.8	719.2	722.2	721.8	722.2	719.2	717.8	716.5	716.8	720.0	723.6
50°	688.8	689.6	692.0	692.8	692.0	689.6	688.8	685.7	684.1	684.1	686.4
52.5°	656.7	661.3	664.3	663.8	664.3	661.3	656.7	654.2	651.4	647.5	651.2
55°	611.7	617.1	622.7	623.5	622.7	617.1	611.7	604.6	601.5	595.1	597.5
57.5°	567.1	574.8	580.7	582.5	580.7	574.8	567.1	558.6	548.4	545.4	541.0
60°	536.8	547.1	554.2	557.3	554.2	547.1	536.8	529.0	515.6	507.0	503.8
62.5°	507.9	519.4	526.4	527.1	526.4	519.4	507.9	495.6	482.2	472.3	466.1
65°	460.5	472.3	478.6	483.3	478.6	472.3	460.5	447.2	432.2	418.8	411.7
67.5°	409.5	421.3	428.3	432.0	428.3	421.3	409.5	392.9	379.3	363.9	355.5
70°	372.3	384.2	393.6	396.8	393.6	384.2	372.3	352.6	340.8	326.7	319.6
72.5°	335.8	346.4	354.0	357.7	354.0	346.4	335.8	317.4	303.7	289.5	279.9
75°	272.4	286.5	293.7	297.6	293.7	286.5	272.4	262.2	246.4	231.5	223.6
77.5°	210.1	223.0	227.2	229.2	227.2	223.0	210.1	198.0	186.1	175.2	167.5
80°	168.4	176.3	181.9	182.6	181.9	176.3	168.4	159.1	149.6	139.4	132.3
82.5°	129.5	136.0	137.7	139.8	137.7	136.0	129.5	121.2	113.0	105.3	99.5
85°	70.9	74.0	74.8	74.0	74.8	74.0	70.9	65.3	61.4	57.5	55.1
87.5°	26.8	26.3	26.4	27.8	26.4	26.3	26.8	25.4	25.9	24.4	23.0
90°	17.4	17.9	18.4	19.0	18.4	17.9	17.4	16.9	16.2	15.2	14.4
92.5°	17.0	17.2	17.5	17.7	17.5	17.2	17.0	16.7	16.2	15.2	14.4
95°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.2	15.2	14.4
97.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	19.1	24.0	29.0
100°	18.7	18.0	17.3	16.6	17.3	18.0	18.7	19.4	32.8	59.0	85.1
102.5°	135.1	123.2	111.3	99.4	111.3	123.2	135.1	147.1	155.5	160.5	165.4
105°	235.1	234.9	234.7	234.6	234.7	234.9	235.1	235.3	235.3	235.3	235.3
107.5°	297.3	296.7	296.2	295.7	296.2	296.7	297.3	297.8	298.0	298.0	298.0
110°	337.5	337.7	337.8	338.0	337.8	337.7	337.5	337.3	337.5	338.0	338.5



TEST NUMBER: P333313-840

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	376.7	376.4	376.2	376.0	376.2	376.4	376.7	376.9	377.4	378.0	378.7
115°	436.0	434.8	433.8	432.8	433.8	434.8	436.0	437.0	437.9	438.6	439.3
117.5°	494.8	494.3	493.9	493.4	493.9	494.3	494.8	495.2	495.9	496.9	497.8
120°	533.3	532.5	531.6	530.7	531.6	532.5	533.3	534.2	534.8	535.2	535.5
122.5°	569.2	568.2	567.1	566.1	567.1	568.2	569.2	570.2	570.9	571.2	571.6
125°	621.6	621.0	620.5	620.0	620.5	621.0	621.6	622.1	622.7	623.4	624.1
127.5°	669.2	667.9	666.6	665.3	666.6	667.9	669.2	670.4	671.4	671.8	672.1
130°	700.7	699.9	699.0	698.1	699.0	699.9	700.7	701.7	702.4	702.9	703.4
132.5°	731.1	730.2	729.3	728.5	729.3	730.2	731.1	732.0	732.5	732.6	732.7
135°	773.2	772.1	771.0	770.0	771.0	772.1	773.2	774.3	775.0	775.3	775.7
137.5°	814.5	813.5	812.6	811.7	812.6	813.5	814.5	815.4	815.8	815.7	815.7
140°	839.5	838.5	837.4	836.4	837.4	838.5	839.5	840.6	840.9	840.6	840.2
142.5°	862.9	861.8	860.8	859.7	860.8	861.8	862.9	863.9	864.4	864.3	864.3
145°	897.2	896.2	895.0	894.0	895.0	896.2	897.2	898.2	898.7	898.5	898.3
147.5°	926.0	924.8	923.5	922.3	923.5	924.8	926.0	927.4	927.9	927.7	927.5
150°	944.8	943.4	942.0	940.6	942.0	943.4	944.8	946.2	946.7	946.4	946.0
152.5°	961.5	960.2	959.0	957.7	959.0	960.2	961.5	962.7	963.2	962.8	962.5
155°	984.3	982.9	981.5	980.1	981.5	982.9	984.3	985.7	986.1	985.6	985.1
157.5°	1003.1	1001.7	1000.3	998.9	1000.3	1001.7	1003.1	1004.5	1004.9	1004.4	1003.8
160°	1015.1	1013.7	1012.3	1010.9	1012.3	1013.7	1015.1	1016.5	1016.8	1016.1	1015.4
162.5°	1026.2	1024.7	1023.2	1021.7	1023.2	1024.7	1026.2	1027.8	1028.0	1027.1	1026.1
165°	1040.4	1038.9	1037.5	1036.1	1037.5	1038.9	1040.4	1041.8	1042.0	1040.9	1039.9
167.5°	1051.0	1049.5	1047.8	1046.3	1047.8	1049.5	1051.0	1052.6	1052.8	1051.5	1050.3
170°	1056.7	1055.1	1053.5	1052.0	1053.5	1055.1	1056.7	1058.2	1058.3	1056.9	1055.5
172.5°	1060.5	1058.9	1057.3	1055.7	1057.3	1058.9	1060.5	1062.1	1062.3	1061.0	1059.7
175°	1065.4	1063.8	1062.3	1060.7	1062.3	1063.8	1065.4	1066.9	1067.0	1065.6	1064.2
177.5°	1066.8	1065.7	1064.6	1063.5	1064.6	1065.7	1066.8	1068.0	1068.0	1067.0	1066.1
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



TEST NUMBER: P333313-840

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1773.4	1781.0	1790.4	1797.4	1810.0	1815.6	1822.5	1828.3	1838.3	1847.8	1859.1
5°	1654.0	1667.3	1685.5	1705.1	1728.0	1743.6	1765.7	1779.1	1805.8	1830.3	1853.9
7.5°	1545.6	1562.0	1587.6	1612.9	1642.7	1669.8	1697.4	1728.0	1762.1	1802.4	1835.7
10°	1471.3	1493.4	1520.9	1552.4	1588.6	1620.1	1657.1	1690.1	1731.8	1779.1	1823.2
12.5°	1412.1	1431.0	1461.7	1492.0	1530.7	1569.0	1607.3	1651.1	1699.7	1752.0	1807.5
15°	1330.4	1346.2	1371.3	1413.0	1452.4	1490.2	1547.6	1588.6	1650.0	1708.3	1775.1
17.5°	1260.6	1280.2	1301.4	1337.2	1378.0	1425.1	1476.5	1527.8	1587.0	1660.8	1736.3
20°	1217.8	1233.6	1258.0	1285.6	1328.8	1376.0	1424.8	1476.8	1549.2	1625.6	1706.7
22.5°	1171.2	1188.2	1215.8	1245.9	1282.2	1327.6	1381.4	1438.4	1514.0	1589.0	1677.1
25°	1116.3	1128.1	1153.3	1180.0	1216.3	1254.9	1310.7	1373.7	1448.4	1534.3	1624.1
27.5°	1064.5	1074.9	1097.8	1121.2	1153.9	1199.7	1249.6	1313.2	1383.7	1470.7	1570.1
30°	1027.3	1038.3	1058.8	1084.0	1115.5	1155.6	1206.8	1266.7	1342.2	1427.2	1531.2
32.5°	995.2	1004.9	1020.4	1045.6	1076.4	1115.3	1162.8	1223.8	1299.4	1385.6	1487.6
35°	945.4	956.4	968.3	988.0	1014.7	1052.5	1104.5	1162.0	1234.4	1317.8	1411.5
37.5°	896.1	908.0	918.5	936.1	960.6	993.9	1038.8	1098.6	1164.2	1244.6	1334.4
40°	865.2	874.5	883.2	902.1	926.6	958.1	999.8	1053.3	1122.6	1197.4	1272.1
42.5°	834.2	843.1	850.5	866.9	889.4	919.6	959.5	1011.7	1076.0	1145.7	1211.6
45°	785.7	791.1	799.8	814.0	832.1	859.6	898.2	944.6	999.0	1065.1	1114.7
47.5°	733.1	741.7	748.8	761.2	776.1	803.1	840.1	879.6	928.9	978.1	1013.0
50°	692.8	701.5	711.7	723.5	737.6	762.9	796.7	836.8	878.5	916.4	946.2
52.5°	655.0	663.0	673.9	685.0	702.4	723.8	752.6	788.3	829.4	856.5	881.4
55°	599.1	603.0	615.6	626.6	643.2	658.9	688.0	719.5	744.7	765.2	785.7
57.5°	541.9	547.2	554.5	564.4	580.8	599.3	619.7	647.5	662.4	672.9	688.8
60°	505.4	507.0	511.7	523.5	536.1	552.6	576.2	595.9	606.9	615.6	628.9
62.5°	465.0	465.4	473.2	481.9	491.4	509.2	528.4	544.3	553.4	557.6	570.4
65°	408.6	407.0	411.7	418.8	429.8	441.6	458.2	472.3	471.5	476.3	484.1
67.5°	350.8	349.2	349.2	356.0	365.0	375.5	386.9	395.1	395.2	401.5	405.5
70°	311.7	307.0	310.1	315.7	319.6	328.3	340.8	344.1	344.8	347.9	351.8
72.5°	271.5	269.8	272.4	274.8	277.4	284.2	294.9	296.8	296.9	298.8	305.3
75°	215.7	214.1	212.6	214.9	218.0	222.8	226.7	229.8	229.0	229.8	234.6
77.5°	161.7	157.2	156.5	157.7	158.5	161.4	165.5	165.1	165.9	165.8	171.2
80°	128.4	122.0	121.2	121.2	122.0	123.6	125.1	126.7	124.4	126.7	128.4
82.5°	94.3	90.5	90.4	89.8	89.9	90.2	91.2	92.1	91.6	92.7	93.7
85°	51.9	50.4	48.1	49.6	48.8	46.5	48.1	45.6	44.8	45.6	46.5
87.5°	20.3	20.8	19.3	19.1	18.2	18.6	17.1	16.2	15.2	15.6	17.2
90°	13.5	12.6	11.4	10.2	9.0	7.7	6.4	5.0	3.6	2.2	0.8
92.5°	13.5	12.6	11.5	10.5	9.4	8.3	8.3	9.2	10.2	11.2	12.1
95°	13.5	12.6	19.3	26.0	32.6	39.3	42.9	43.4	43.9	44.5	45.0
97.5°	33.9	38.9	52.0	65.2	78.5	91.7	97.8	96.8	95.8	94.9	94.0
100°	111.3	137.4	136.7	136.0	135.3	134.6	134.0	133.5	132.9	132.4	131.9
102.5°	170.4	175.3	174.9	174.5	174.1	173.6	173.1	172.4	171.8	171.1	170.5
105°	235.3	235.3	235.3	235.3	235.3	235.3	235.0	234.3	233.6	232.9	232.2
107.5°	297.9	297.9	297.5	297.2	296.8	296.5	296.3	296.3	296.3	296.3	296.3
110°	339.1	339.6	339.2	338.9	338.5	338.2	338.0	338.0	338.0	338.0	338.0



TEST NUMBER: P333313-840

CATALOG NUMBER: S125DIP-S1270D810U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	379.4	380.0	379.8	379.6	379.4	379.2	378.9	378.5	378.0	377.6	377.2
115°	440.0	440.7	440.5	440.3	440.2	440.0	439.5	438.6	437.7	436.9	436.0
117.5°	498.7	499.6	499.0	498.3	497.6	497.0	496.7	496.7	496.7	496.8	496.8
120°	535.9	536.2	535.7	535.2	534.6	534.1	533.9	534.1	534.3	534.5	534.6
122.5°	571.9	572.3	572.0	571.8	571.5	571.3	570.8	570.2	569.5	568.9	568.2
125°	624.8	625.5	625.5	625.5	625.5	625.5	624.9	623.7	622.4	621.2	620.0
127.5°	672.5	672.9	673.0	673.1	673.2	673.3	672.9	672.1	671.2	670.2	669.4
130°	704.0	704.5	704.3	704.1	704.0	703.8	703.3	702.4	701.5	700.6	699.7
132.5°	732.8	732.9	733.3	733.7	734.1	734.5	734.2	733.1	732.1	731.0	730.0
135°	776.0	776.4	776.7	777.0	777.4	777.7	777.4	776.4	775.3	774.3	773.2
137.5°	815.6	815.5	815.9	816.2	816.5	816.8	816.5	815.6	814.7	813.7	812.8
140°	839.9	839.5	839.7	839.9	840.0	840.2	840.1	839.8	839.4	839.1	838.7
142.5°	864.2	864.1	863.9	863.6	863.4	863.1	862.9	862.7	862.5	862.3	862.1
145°	898.2	898.0	898.0	898.0	898.0	898.0	897.8	897.5	897.1	896.8	896.4
147.5°	927.3	927.1	926.9	926.6	926.3	926.1	926.1	926.1	926.2	926.3	926.3
150°	945.7	945.3	945.0	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3
152.5°	962.1	961.8	961.4	961.1	960.7	960.4	960.6	961.4	962.1	962.9	963.7
155°	984.5	984.0	983.7	983.3	983.0	982.6	983.0	984.0	985.1	986.1	987.2
157.5°	1003.2	1002.7	1002.6	1002.6	1002.6	1002.5	1002.8	1003.5	1004.1	1004.7	1005.3
160°	1014.7	1014.0	1013.9	1013.7	1013.5	1013.4	1013.8	1014.8	1015.9	1016.9	1018.0
162.5°	1025.1	1024.2	1024.0	1023.8	1023.6	1023.5	1023.9	1024.9	1026.0	1027.0	1028.1
165°	1038.8	1037.7	1037.5	1037.4	1037.2	1037.0	1037.4	1038.5	1039.6	1040.7	1041.7
167.5°	1048.9	1047.7	1047.5	1047.3	1047.1	1047.0	1047.4	1048.5	1049.7	1050.8	1051.8
170°	1054.2	1052.8	1052.6	1052.4	1052.2	1052.1	1052.6	1053.8	1055.0	1056.2	1057.5
172.5°	1058.4	1057.1	1056.8	1056.5	1056.2	1055.9	1056.3	1057.6	1058.8	1060.1	1061.3
175°	1062.9	1061.5	1061.3	1061.1	1060.9	1060.8	1061.2	1062.3	1063.3	1064.3	1065.4
177.5°	1065.1	1064.1	1064.0	1063.8	1063.7	1063.6	1063.9	1064.8	1065.6	1066.4	1067.3
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



TEST NUMBER: P333313-840

CATALOG NUMBER: S125DIP-S1270D810U840-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1864.7	1873.6	1879.3	1890.0	1898.7	1903.8	1908.2	1912.0	1916.4	1920.2	1930.9
5°	1876.7	1897.1	1914.5	1941.3	1965.7	1984.6	2005.0	2023.2	2038.1	2059.3	2075.9
7.5°	1871.5	1907.8	1946.0	1987.4	2029.7	2069.1	2105.4	2139.2	2169.9	2207.1	2239.6
10°	1866.4	1916.1	1964.9	2020.7	2078.2	2127.1	2172.7	2219.2	2253.0	2300.3	2340.4
12.5°	1862.7	1921.1	1980.0	2047.2	2110.3	2179.3	2240.1	2273.9	2325.4	2363.2	2411.0
15°	1846.8	1924.0	2005.0	2080.6	2170.3	2234.1	2287.6	2353.8	2401.8	2449.8	2501.7
17.5°	1818.3	1905.7	1996.4	2095.4	2181.5	2250.0	2319.0	2382.8	2440.0	2504.5	2569.1
20°	1805.0	1892.5	1996.4	2097.9	2182.1	2253.8	2324.6	2394.7	2457.7	2540.3	2615.1
22.5°	1777.4	1883.0	1978.7	2077.8	2164.5	2242.4	2322.8	2402.3	2486.0	2579.4	2673.0
25°	1728.0	1835.0	1936.5	2034.2	2121.5	2219.2	2304.9	2411.3	2518.3	2641.9	2758.3
27.5°	1676.6	1779.1	1872.2	1966.4	2068.3	2178.9	2290.2	2410.7	2550.9	2706.9	2871.2
30°	1635.1	1731.8	1822.4	1919.2	2025.5	2149.9	2271.9	2415.2	2577.4	2752.9	2948.1
32.5°	1586.5	1675.8	1763.8	1866.3	1982.1	2113.3	2255.5	2412.7	2607.6	2807.0	3008.0
35°	1503.6	1578.3	1668.9	1778.3	1908.9	2059.3	2223.9	2409.6	2633.2	2862.3	3031.5
37.5°	1405.1	1474.8	1570.1	1690.1	1827.1	1988.5	2183.7	2404.2	2641.6	2824.2	2878.8
40°	1339.1	1403.6	1502.8	1627.2	1767.3	1938.1	2152.2	2385.3	2615.1	2731.6	2686.7
42.5°	1268.5	1336.3	1432.9	1556.0	1706.9	1892.8	2112.5	2345.6	2538.3	2582.3	2427.3
45°	1157.2	1227.3	1322.5	1446.9	1609.0	1810.6	2039.6	2251.4	2362.4	2282.9	2042.9
47.5°	1053.8	1119.4	1207.7	1336.1	1503.4	1711.8	1932.5	2101.4	2110.2	1920.5	1664.1
50°	983.2	1043.8	1132.8	1261.1	1427.2	1638.2	1837.3	1970.3	1910.6	1695.7	1449.3
52.5°	913.9	973.3	1061.0	1188.1	1352.3	1545.6	1730.9	1824.3	1711.5	1491.0	1280.5
55°	814.0	866.0	951.7	1069.0	1224.9	1404.4	1561.9	1594.1	1447.6	1230.4	1059.6
57.5°	716.4	764.9	842.9	951.0	1093.5	1252.4	1375.5	1368.7	1213.9	1027.4	891.9
60°	650.3	697.5	766.8	872.2	1002.1	1139.1	1244.6	1219.4	1065.9	905.3	791.1
62.5°	591.1	633.2	698.7	791.0	909.6	1036.4	1123.1	1085.9	935.5	795.1	704.9
65°	503.8	539.3	595.1	673.9	772.2	877.0	943.8	895.9	767.5	658.1	585.7
67.5°	420.5	448.9	495.7	558.6	642.5	726.6	767.4	719.0	616.4	536.5	482.9
70°	367.6	392.8	429.0	484.9	558.2	628.9	659.6	616.4	528.3	459.7	421.1
72.5°	314.8	335.5	367.3	417.6	476.3	537.7	564.6	523.2	450.8	392.9	356.9
75°	243.3	257.4	279.4	314.1	360.5	409.4	424.3	388.1	341.6	298.3	274.8
77.5°	174.1	186.1	202.8	224.7	257.6	288.6	301.6	280.7	244.8	217.4	198.0
80°	133.8	140.2	154.3	172.4	198.3	218.0	226.7	213.4	188.1	167.6	152.7
82.5°	95.4	101.7	110.2	125.1	141.7	155.1	164.4	155.4	137.1	121.1	112.4
85°	46.5	50.4	55.1	61.4	74.0	81.9	81.1	75.5	68.5	62.2	57.5
87.5°	16.8	17.8	19.9	23.3	25.4	28.3	29.8	28.8	26.5	24.7	23.0
90°	2.2	3.6	5.0	6.4	7.7	9.0	10.2	11.4	12.6	13.5	14.4
92.5°	11.2	10.2	9.2	8.3	8.3	9.4	10.5	11.5	12.6	13.5	14.4
95°	44.5	43.9	43.4	42.9	39.3	32.6	26.0	19.3	12.6	13.5	14.4
97.5°	94.9	95.8	96.8	97.8	91.7	78.5	65.2	52.0	38.9	33.9	29.0
100°	132.4	132.9	133.5	134.0	134.6	135.3	136.0	136.7	137.4	111.3	85.1
102.5°	171.1	171.8	172.4	173.1	173.6	174.1	174.5	174.9	175.3	170.4	165.4
105°	232.9	233.6	234.3	235.0	235.3	235.3	235.3	235.3	235.3	235.3	235.3
107.5°	296.3	296.3	296.3	296.3	296.5	296.8	297.2	297.5	297.9	297.9	298.0
110°	338.0	338.0	338.0	338.0	338.2	338.5	338.9	339.2	339.6	339.1	338.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	377.6	378.0	378.5	378.9	379.2	379.4	379.6	379.8	380.0	379.4	378.7
115°	436.9	437.7	438.6	439.5	440.0	440.2	440.3	440.5	440.7	440.0	439.3
117.5°	496.8	496.7	496.7	496.7	497.0	497.6	498.3	499.0	499.6	498.7	497.8
120°	534.5	534.3	534.1	533.9	534.1	534.6	535.2	535.7	536.2	535.9	535.5
122.5°	568.9	569.5	570.2	570.8	571.3	571.5	571.8	572.0	572.3	571.9	571.6
125°	621.2	622.4	623.7	624.9	625.5	625.5	625.5	625.5	625.5	624.8	624.1
127.5°	670.2	671.2	672.1	672.9	673.3	673.2	673.1	673.0	672.9	672.5	672.1
130°	700.6	701.5	702.4	703.3	703.8	704.0	704.1	704.3	704.5	704.0	703.4
132.5°	731.0	732.1	733.1	734.2	734.5	734.1	733.7	733.3	732.9	732.8	732.7
135°	774.3	775.3	776.4	777.4	777.7	777.4	777.0	776.7	776.4	776.0	775.7
137.5°	813.7	814.7	815.6	816.5	816.8	816.5	816.2	815.9	815.5	815.6	815.7
140°	839.1	839.4	839.8	840.1	840.2	840.0	839.9	839.7	839.5	839.9	840.2
142.5°	862.3	862.5	862.7	862.9	863.1	863.4	863.6	863.9	864.1	864.2	864.3
145°	896.8	897.1	897.5	897.8	898.0	898.0	898.0	898.0	898.0	898.2	898.3
147.5°	926.3	926.2	926.1	926.1	926.1	926.3	926.6	926.9	927.1	927.3	927.5
150°	945.0	944.6	944.3	943.9	943.9	944.3	944.6	945.0	945.3	945.7	946.0
152.5°	962.9	962.1	961.4	960.6	960.4	960.7	961.1	961.4	961.8	962.1	962.5
155°	986.1	985.1	984.0	983.0	982.6	983.0	983.3	983.7	984.0	984.5	985.1
157.5°	1004.7	1004.1	1003.5	1002.8	1002.5	1002.6	1002.6	1002.6	1002.7	1003.2	1003.8
160°	1016.9	1015.9	1014.8	1013.8	1013.4	1013.5	1013.7	1013.9	1014.0	1014.7	1015.4
162.5°	1027.0	1026.0	1024.9	1023.9	1023.5	1023.6	1023.8	1024.0	1024.2	1025.1	1026.1
165°	1040.7	1039.6	1038.5	1037.4	1037.0	1037.2	1037.4	1037.5	1037.7	1038.8	1039.9
167.5°	1050.8	1049.7	1048.5	1047.4	1047.0	1047.1	1047.3	1047.5	1047.7	1048.9	1050.3
170°	1056.2	1055.0	1053.8	1052.6	1052.1	1052.2	1052.4	1052.6	1052.8	1054.2	1055.5
172.5°	1060.1	1058.8	1057.6	1056.3	1055.9	1056.2	1056.5	1056.8	1057.1	1058.4	1059.7
175°	1064.3	1063.3	1062.3	1061.2	1060.8	1060.9	1061.1	1061.3	1061.5	1062.9	1064.2
177.5°	1066.4	1065.6	1064.8	1063.9	1063.6	1063.7	1063.8	1064.0	1064.1	1065.1	1066.1
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7	1854.7
2.5°	1939.6	1944.7	1955.4	1951.7	1956.7	1959.2	1961.8
5°	2096.4	2121.5	2132.5	2131.0	2147.5	2143.5	2139.6
7.5°	2273.3	2299.8	2314.6	2333.0	2343.7	2344.5	2353.8
10°	2373.5	2408.1	2422.3	2442.0	2454.6	2461.6	2460.8
12.5°	2450.2	2477.4	2509.1	2518.8	2535.8	2544.8	2541.4
15°	2542.7	2586.0	2619.1	2635.5	2656.9	2663.1	2671.8
17.5°	2625.2	2683.3	2721.9	2773.2	2792.6	2804.4	2797.4
20°	2687.6	2763.9	2802.5	2863.9	2897.7	2915.9	2909.5
22.5°	2761.3	2843.9	2915.2	2968.4	3019.9	3044.3	3049.4
25°	2887.5	3000.8	3105.5	3175.6	3239.3	3254.3	3287.4
27.5°	3028.6	3162.2	3274.2	3347.9	3392.2	3408.9	3419.3
30°	3117.4	3250.4	3334.7	3381.8	3396.1	3394.5	3392.8
32.5°	3160.8	3244.1	3260.3	3247.1	3214.7	3187.2	3158.7
35°	3099.3	3037.1	2944.2	2824.5	2736.3	2647.4	2638.8
37.5°	2787.3	2588.5	2433.9	2261.2	2161.5	2100.0	2057.5
40°	2493.9	2268.0	2080.6	1935.0	1833.4	1793.3	1753.9
42.5°	2175.2	1959.3	1793.4	1671.7	1595.4	1550.8	1519.6
45°	1767.3	1576.8	1446.9	1358.8	1298.1	1263.4	1243.7
47.5°	1448.1	1307.3	1196.9	1133.3	1091.4	1064.5	1064.6
50°	1276.9	1142.3	1069.0	1018.7	982.4	961.2	965.1
52.5°	1125.1	1024.5	962.0	919.8	893.0	879.9	879.5
55°	940.7	868.3	827.4	796.7	778.5	763.6	766.8
57.5°	804.7	743.6	716.2	690.7	678.1	672.2	663.5
60°	720.3	673.1	649.4	628.9	616.4	611.7	603.0
62.5°	645.4	608.2	585.2	568.6	557.1	555.6	548.9
65°	542.4	514.0	493.6	485.7	473.9	470.8	470.8
67.5°	447.2	426.9	410.9	403.6	398.5	399.3	395.5
70°	387.3	370.8	360.5	352.6	348.7	349.5	346.4
72.5°	338.8	320.4	311.4	306.7	301.5	303.6	302.3
75°	256.6	247.2	242.5	237.7	234.6	233.0	231.5
77.5°	188.4	180.2	176.5	173.8	174.3	170.5	173.5
80°	145.6	138.6	136.2	132.3	131.5	131.5	130.7
82.5°	106.5	102.6	100.9	97.7	96.2	97.5	95.4
85°	55.1	51.9	51.2	51.2	49.6	48.1	51.9
87.5°	23.2	20.9	21.0	20.5	20.6	20.1	18.9
90°	15.2	16.2	16.9	17.4	17.9	18.4	19.0
92.5°	15.2	16.2	16.7	17.0	17.2	17.5	17.7
95°	15.2	16.2	16.6	16.6	16.6	16.6	16.6
97.5°	24.0	19.1	16.6	16.6	16.6	16.6	16.6
100°	59.0	32.8	19.4	18.7	18.0	17.3	16.6
102.5°	160.5	155.5	147.1	135.1	123.2	111.3	99.4
105°	235.3	235.3	235.3	235.1	234.9	234.7	234.6
107.5°	298.0	298.0	297.8	297.3	296.7	296.2	295.7
110°	338.0	337.5	337.3	337.5	337.7	337.8	338.0



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	378.0	377.4	376.9	376.7	376.4	376.2	376.0
115°	438.6	437.9	437.0	436.0	434.8	433.8	432.8
117.5°	496.9	495.9	495.2	494.8	494.3	493.9	493.4
120°	535.2	534.8	534.2	533.3	532.5	531.6	530.7
122.5°	571.2	570.9	570.2	569.2	568.2	567.1	566.1
125°	623.4	622.7	622.1	621.6	621.0	620.5	620.0
127.5°	671.8	671.4	670.4	669.2	667.9	666.6	665.3
130°	702.9	702.4	701.7	700.7	699.9	699.0	698.1
132.5°	732.6	732.5	732.0	731.1	730.2	729.3	728.5
135°	775.3	775.0	774.3	773.2	772.1	771.0	770.0
137.5°	815.7	815.8	815.4	814.5	813.5	812.6	811.7
140°	840.6	840.9	840.6	839.5	838.5	837.4	836.4
142.5°	864.3	864.4	863.9	862.9	861.8	860.8	859.7
145°	898.5	898.7	898.2	897.2	896.2	895.0	894.0
147.5°	927.7	927.9	927.4	926.0	924.8	923.5	922.3
150°	946.4	946.7	946.2	944.8	943.4	942.0	940.6
152.5°	962.8	963.2	962.7	961.5	960.2	959.0	957.7
155°	985.6	986.1	985.7	984.3	982.9	981.5	980.1
157.5°	1004.4	1004.9	1004.5	1003.1	1001.7	1000.3	998.9
160°	1016.1	1016.8	1016.5	1015.1	1013.7	1012.3	1010.9
162.5°	1027.1	1028.0	1027.8	1026.2	1024.7	1023.2	1021.7
165°	1040.9	1042.0	1041.8	1040.4	1038.9	1037.5	1036.1
167.5°	1051.5	1052.8	1052.6	1051.0	1049.5	1047.8	1046.3
170°	1056.9	1058.3	1058.2	1056.7	1055.1	1053.5	1052.0
172.5°	1061.0	1062.3	1062.1	1060.5	1058.9	1057.3	1055.7
175°	1065.6	1067.0	1066.9	1065.4	1063.8	1062.3	1060.7
177.5°	1067.0	1068.0	1068.0	1066.8	1065.7	1064.6	1063.5
180°	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4	1065.4

(END OF REPORT)