

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: P331723

Luminaire Tested: **SA2XXRDIP-C865D925U835-4F0-1E-UDD-A**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331723
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,
Test Lab: INNOVATION CENTER
Issue Date: 10/7/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

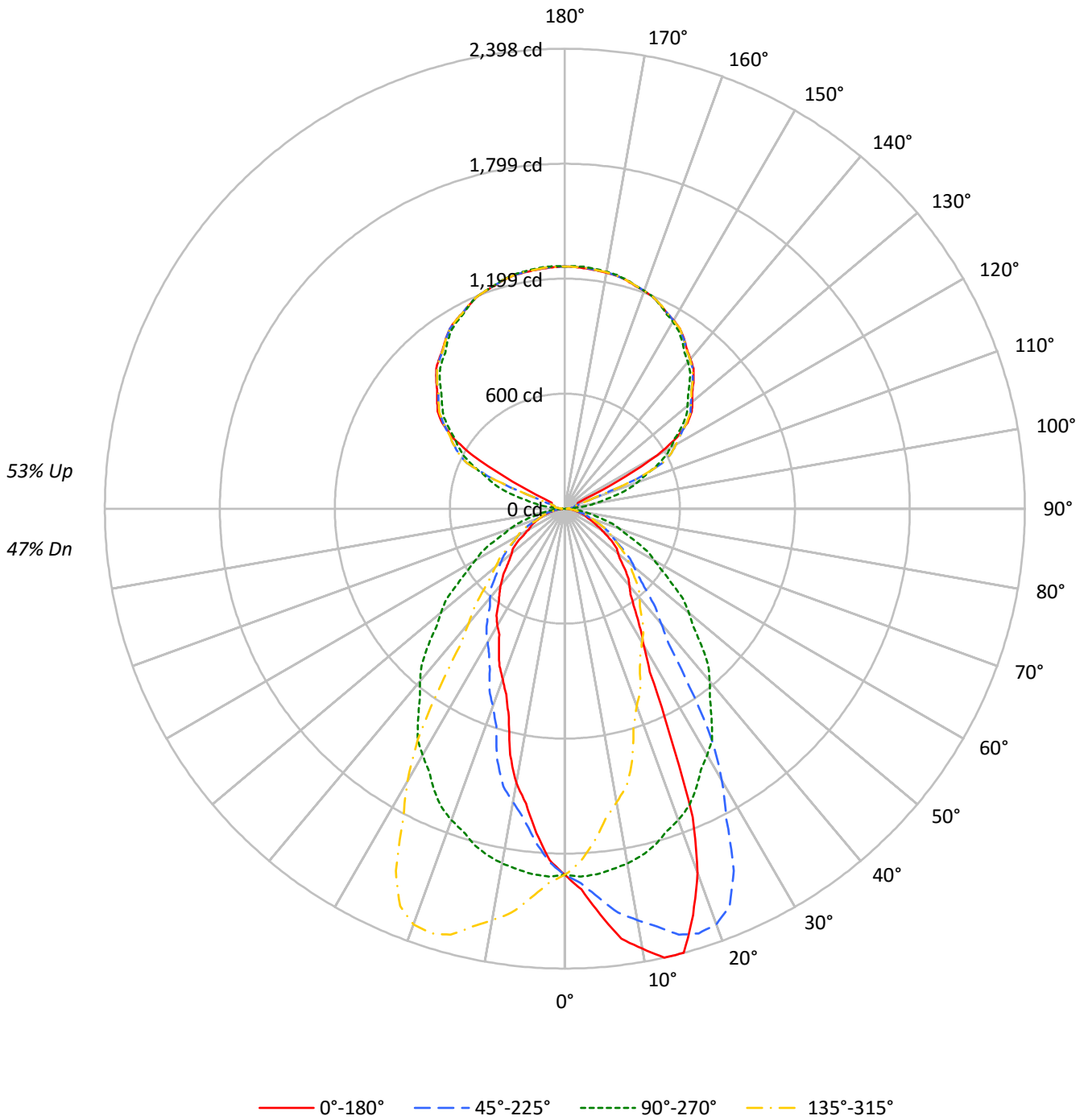
Lumens per Lamp: N/A
Luminaire Lumens: 7002.1 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 60.5
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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	54	54	54	47
1	98	94	90	87	90	86	83	81	73	71	69	60	59	57	48	47	47	41
2	90	83	77	72	82	76	72	67	65	61	58	54	51	49	44	42	40	36
3	82	74	67	61	76	68	62	57	58	53	50	48	45	42	39	37	35	31
4	76	66	58	53	70	61	54	49	52	47	43	43	40	37	36	33	31	28
5	70	59	51	46	64	55	48	43	47	42	38	39	36	33	33	30	28	25
6	65	53	46	40	59	50	43	38	43	37	33	36	32	29	30	27	25	22
7	60	48	41	35	55	45	38	34	39	34	30	33	29	26	28	25	23	20
8	56	44	37	32	52	41	35	30	36	31	27	30	27	24	26	23	20	18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19	17
10	49	37	30	26	45	35	29	25	30	26	22	26	22	20	22	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30832	30832	30832	30832
5°	34434	31024	27509	31024
10°	38203	30808	23845	30808
15°	40082	30355	18788	30355
20°	34749	29687	16258	29687
25°	22789	28771	14516	28771
30°	15340	27660	13136	27660
35°	12423	26260	11848	26260
40°	11049	24738	10964	24738
45°	9999	22952	9787	22952
50°	9100	21182	9065	21182
55°	8555	19220	8442	19220
60°	7156	17418	7072	17418
65°	6032	15817	6842	15817
70°	5575	14124	6453	14124
75°	5215	12296	5958	12296
80°	4816	10116	5309	10116
85°	4428	7984	4668	7984



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.0	2.6
10°-20°	504.4	7.2
20°-30°	650.0	9.3
30°-40°	617.7	8.8
40°-50°	529.1	7.6
50°-60°	402.9	5.8
60°-70°	254.7	3.6
70°-80°	127.2	1.8
80°-90°	36.2	0.5
90°-100°	42.1	0.6
100°-110°	154.4	2.2
110°-120°	412.7	5.9
120°-130°	681.3	9.7
130°-140°	724.5	10.3
140°-150°	673.4	9.6
150°-160°	541.4	7.7
160°-170°	348.9	5.0
170°-180°	120.1	1.7
0°-30°	1335.4	19.1
0°-40°	1953.1	27.9
0°-60°	2885.1	41.2
0°-90°	3303.3	47.2
90°-120°	609.2	8.7
90°-150°	2688.4	38.4
90°-180°	3699.0	52.8
0°-180°	7002.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1910	1910	1910	1910	1910	
5°	2125	1914	1697	1914	2125	210
15°	2398	1816	1124	1816	2398	647
25°	1279	1615	815	1615	1279	607
35°	630	1332	601	1332	630	403
45°	438	1005	429	1005	438	339
55°	304	683	300	683	304	267
65°	158	414	179	414	158	161
75°	84	197	96	197	84	89
85°	24	43	25	43	24	26
90°	25	1	25	1	25	12
95°	39	59	39	59	39	37
105°	69	278	69	278	69	72
115°	75	525	75	525	75	188
125°	781	742	781	742	781	676
135°	949	919	949	919	949	731
145°	1082	1066	1082	1066	1082	677
155°	1174	1174	1174	1174	1174	542
165°	1234	1237	1234	1237	1234	348
175°	1258	1265	1258	1265	1258	120
180°	1262	1262	1262	1262	1262	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1987.1	1988.7	1990.3	1986.5	1986.5	1983.4	1976.5	1971.2	1956.3	1954.2	1954.2
5°	2124.6	2123.2	2125.9	2117.3	2105.3	2102.7	2090.1	2073.5	2056.2	2037.0	2033.0
7.5°	2261.2	2259.2	2253.9	2252.5	2243.3	2223.3	2203.0	2181.4	2152.7	2124.7	2110.6
10°	2330.2	2352.1	2338.9	2315.6	2320.3	2289.1	2272.5	2244.0	2220.1	2178.3	2169.0
12.5°	2398.2	2406.8	2402.6	2389.4	2383.5	2361.8	2339.4	2314.6	2270.5	2233.0	2200.3
15°	2397.9	2410.5	2413.8	2409.9	2413.2	2411.9	2399.9	2379.3	2340.9	2299.7	2263.9
17.5°	2220.9	2229.7	2251.4	2266.1	2284.7	2324.0	2343.4	2350.9	2345.2	2321.7	2296.5
20°	2022.4	2007.8	2068.8	2100.0	2126.5	2192.9	2250.0	2271.9	2307.0	2306.4	2299.7
22.5°	1741.0	1744.5	1802.4	1839.4	1916.9	1983.2	2048.3	2130.7	2198.7	2243.7	2270.0
25°	1279.2	1304.5	1362.2	1412.6	1498.9	1622.3	1734.4	1864.5	1987.2	2084.1	2176.3
27.5°	960.8	962.6	1008.4	1055.0	1106.2	1207.3	1348.5	1503.8	1678.8	1823.2	1989.3
30°	822.8	818.8	838.0	866.5	910.3	988.6	1094.8	1247.4	1421.9	1639.5	1833.3
32.5°	725.1	725.3	739.8	760.9	797.3	850.1	922.8	1046.8	1211.7	1425.6	1652.8
35°	630.3	629.7	640.3	655.5	670.8	704.6	754.4	819.4	932.9	1132.6	1364.8
37.5°	562.4	565.3	570.5	580.0	596.9	615.7	645.6	689.3	770.1	888.2	1083.4
40°	524.2	525.5	532.8	540.8	550.7	565.3	589.9	625.0	684.1	778.3	920.9
42.5°	489.1	490.5	495.6	503.1	510.9	525.5	545.8	576.2	624.1	697.6	815.3
45°	437.9	437.9	442.6	445.9	454.5	467.8	484.4	509.6	542.7	597.2	675.5
47.5°	389.9	390.0	393.1	398.8	404.2	414.6	430.9	451.5	475.6	517.7	584.6
50°	362.3	362.9	364.9	369.6	372.9	382.2	394.8	412.7	437.9	470.4	526.2
52.5°	340.0	339.6	342.1	344.1	346.4	353.0	362.4	378.2	400.8	429.0	475.2
55°	303.9	301.2	305.2	308.5	310.5	313.2	318.5	328.4	347.7	371.6	406.1
57.5°	258.8	257.7	260.5	263.5	269.8	276.9	281.5	287.8	297.8	314.9	349.1
60°	221.6	221.6	227.6	229.6	236.9	246.2	255.5	260.8	270.7	282.0	307.2
62.5°	188.7	189.2	192.0	194.0	198.1	209.5	222.5	234.2	243.6	254.4	271.1
65°	157.9	159.2	159.2	160.6	163.2	165.9	171.2	180.5	197.1	212.3	224.9
67.5°	134.0	134.4	134.8	136.2	136.8	139.7	141.9	146.0	149.8	164.3	179.9
70°	118.1	120.1	119.4	120.8	121.4	122.7	125.4	127.4	133.4	136.7	146.0
72.5°	103.2	104.7	104.6	105.4	107.1	107.4	109.5	111.5	115.3	118.1	123.1
75°	83.6	82.9	83.6	84.9	85.6	86.3	86.3	88.9	90.9	93.6	96.9
77.5°	64.5	65.2	65.0	65.2	65.3	66.5	66.4	67.5	69.5	70.9	72.5
80°	51.8	52.4	51.8	52.4	53.1	53.7	53.1	53.7	55.7	57.1	57.1
82.5°	40.1	40.2	40.6	40.7	40.9	41.0	41.9	42.1	43.5	43.3	43.8
85°	23.9	23.2	23.2	23.2	23.9	24.5	23.9	23.9	24.5	24.5	24.5
87.5°	13.4	13.9	13.8	13.7	13.6	13.5	13.3	13.6	12.9	13.2	12.4
90°	24.7	24.3	23.8	23.4	23.0	22.3	21.3	20.3	19.3	18.3	16.6
92.5°	24.7	24.4	24.2	23.9	23.7	23.3	22.8	22.2	21.7	21.2	20.4
95°	39.3	39.5	39.7	39.9	40.1	39.7	38.7	37.6	36.6	35.6	34.2
97.5°	52.4	52.2	51.9	51.7	51.4	50.9	50.1	49.3	48.5	47.7	44.4
100°	61.2	60.8	60.4	60.0	59.6	58.6	56.9	55.3	53.7	52.1	48.6
102.5°	65.6	65.0	64.4	63.9	63.3	62.0	59.9	57.7	55.6	53.5	82.4
105°	69.4	68.6	67.8	67.0	66.2	64.6	62.4	60.2	57.9	55.7	111.1
107.5°	71.4	70.6	69.8	69.0	68.2	68.9	71.2	73.4	75.7	78.0	144.4
110°	72.2	71.3	70.5	69.7	68.9	78.6	98.9	119.2	139.5	159.8	218.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	72.9	72.2	71.6	70.9	70.3	107.0	181.0	255.1	329.1	403.1	417.6
115°	74.9	89.5	104.1	118.7	133.3	187.6	281.6	375.6	469.5	563.5	558.4
117.5°	305.8	353.8	401.8	449.8	497.8	533.2	556.0	578.7	601.4	624.1	620.7
120°	557.1	584.5	611.9	639.3	666.7	679.2	676.8	674.3	671.9	669.4	665.8
122.5°	695.2	700.5	705.8	711.2	716.5	718.4	716.9	715.5	714.0	712.6	708.6
125°	780.9	780.3	779.6	779.0	778.4	777.4	776.0	774.6	773.2	771.7	767.9
127.5°	834.9	834.8	834.7	834.6	834.4	833.4	831.3	829.2	827.1	825.1	822.2
130°	868.5	868.7	868.9	869.2	869.4	868.3	866.1	863.9	861.6	859.4	857.2
132.5°	901.4	901.6	901.8	902.0	902.2	901.4	899.5	897.6	895.7	893.7	891.5
135°	948.9	949.3	949.7	950.1	950.5	949.7	947.7	945.7	943.6	941.6	939.8
137.5°	992.2	992.9	993.6	994.3	995.0	994.3	992.3	990.3	988.3	986.4	984.3
140°	1019.2	1020.3	1021.3	1022.3	1023.3	1022.9	1021.1	1019.2	1017.4	1015.6	1013.4
142.5°	1045.5	1046.6	1047.6	1048.6	1049.6	1049.3	1047.6	1045.9	1044.3	1042.6	1040.1
145°	1082.3	1083.3	1084.3	1085.3	1086.3	1086.1	1084.7	1083.3	1081.8	1080.4	1077.0
147.5°	1114.6	1115.4	1116.3	1117.1	1118.0	1117.9	1116.8	1115.8	1114.7	1113.7	1110.3
150°	1134.3	1135.3	1136.3	1137.4	1138.4	1138.3	1137.1	1135.8	1134.6	1133.4	1130.2
152.5°	1151.1	1152.5	1153.8	1155.1	1156.5	1156.5	1155.3	1154.1	1152.9	1151.7	1148.6
155°	1174.5	1176.1	1177.7	1179.4	1181.0	1181.2	1180.0	1178.8	1177.5	1176.3	1173.9
157.5°	1195.9	1197.4	1199.0	1200.6	1202.2	1202.3	1200.9	1199.5	1198.2	1196.8	1195.1
160°	1208.3	1209.7	1211.1	1212.5	1214.0	1214.1	1212.9	1211.6	1210.4	1209.2	1208.0
162.5°	1218.5	1220.3	1222.0	1223.8	1225.5	1225.7	1224.3	1222.9	1221.5	1220.2	1219.1
165°	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5	1238.1	1236.7	1235.3	1233.9	1233.3
167.5°	1243.5	1245.4	1247.2	1249.0	1250.8	1251.1	1249.6	1248.2	1246.8	1245.4	1244.8
170°	1249.4	1251.2	1253.0	1254.9	1256.7	1256.9	1255.5	1254.1	1252.6	1251.2	1250.8
172.5°	1253.8	1255.6	1257.4	1259.2	1261.1	1261.3	1259.9	1258.4	1257.0	1255.6	1255.2
175°	1257.6	1259.6	1261.7	1263.7	1265.7	1266.0	1264.6	1263.2	1261.8	1260.3	1259.9
177.5°	1260.0	1261.4	1262.9	1264.4	1265.8	1266.0	1264.9	1263.7	1262.6	1261.4	1261.3
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1955.2	1951.0	1947.3	1937.7	1932.9	1922.3	1920.7	1920.2	1906.4	1893.1	1889.4
5°	2022.4	2011.8	1995.8	1977.3	1958.0	1938.1	1924.8	1914.2	1887.7	1862.5	1847.9
7.5°	2090.1	2067.2	2039.8	2004.6	1975.3	1942.4	1917.9	1896.0	1858.4	1822.3	1798.0
10°	2140.5	2103.3	2066.8	2018.4	1980.6	1943.4	1908.9	1879.1	1836.6	1788.8	1755.0
12.5°	2171.8	2130.9	2080.6	2033.3	1984.3	1937.0	1890.9	1852.5	1802.6	1753.3	1713.0
15°	2214.1	2170.3	2109.3	2041.6	1978.6	1916.9	1863.8	1816.0	1751.0	1691.9	1642.8
17.5°	2248.8	2188.5	2123.0	2044.7	1971.7	1893.3	1824.9	1763.9	1691.5	1620.3	1562.4
20°	2259.9	2200.2	2124.6	2046.3	1960.0	1867.8	1794.1	1727.8	1650.1	1572.5	1506.2
22.5°	2253.0	2206.6	2122.4	2028.7	1940.4	1843.9	1760.7	1683.7	1597.6	1518.4	1441.4
25°	2206.2	2190.2	2110.6	2008.4	1907.6	1795.5	1699.2	1615.0	1516.8	1431.9	1348.2
27.5°	2097.0	2131.3	2082.0	1973.1	1861.0	1740.8	1632.6	1536.7	1434.8	1339.2	1255.9
30°	1991.9	2070.8	2049.6	1948.7	1823.3	1705.2	1583.8	1483.6	1374.8	1276.6	1194.3
32.5°	1848.0	1978.4	1999.2	1914.8	1785.1	1655.3	1528.1	1428.4	1314.8	1211.3	1131.1
35°	1619.0	1814.0	1903.6	1849.9	1719.8	1579.8	1448.4	1332.3	1218.2	1116.0	1036.4
37.5°	1345.7	1611.4	1760.7	1764.5	1645.1	1499.5	1356.5	1241.2	1124.4	1024.1	937.9
40°	1168.4	1456.4	1650.8	1693.9	1593.1	1435.8	1291.2	1173.7	1059.6	961.4	862.6
42.5°	1009.2	1296.1	1535.1	1610.1	1529.9	1373.7	1228.6	1105.8	994.9	902.0	801.0
45°	816.1	1066.9	1330.3	1464.4	1419.9	1275.3	1122.0	1005.2	901.0	820.8	723.9
47.5°	688.5	865.2	1120.1	1301.4	1300.6	1168.6	1017.8	906.0	809.3	734.1	655.7
50°	615.7	769.7	985.3	1191.0	1208.2	1097.4	954.1	843.3	753.1	674.1	611.1
52.5°	550.4	677.3	871.2	1068.4	1117.5	1021.5	882.5	780.2	692.6	620.0	566.0
55°	465.1	563.3	710.6	895.1	969.4	901.7	778.3	682.8	611.8	550.7	504.3
57.5°	393.5	467.1	585.3	733.8	820.4	777.8	676.0	598.4	537.6	482.4	445.7
60°	348.3	408.7	508.9	633.0	728.5	698.7	611.8	539.4	487.7	439.9	405.4
62.5°	305.9	357.8	443.6	544.3	631.9	619.6	548.6	487.9	442.6	399.0	369.8
65°	246.2	284.0	351.0	430.0	500.3	506.3	455.2	414.0	373.6	339.1	313.2
67.5°	196.0	220.7	267.9	334.4	387.1	405.9	374.7	343.3	311.2	284.5	262.1
70°	165.2	185.1	219.6	273.4	321.8	341.7	323.8	299.2	271.4	249.5	230.2
72.5°	133.9	153.3	178.7	218.2	259.7	281.2	275.0	257.3	234.7	216.6	198.4
75°	100.9	106.8	124.1	150.6	183.1	201.7	206.4	197.1	179.1	165.2	154.6
77.5°	74.6	78.2	86.4	100.3	121.6	138.1	144.9	143.8	131.5	123.4	113.5
80°	59.7	61.7	65.7	71.7	87.6	104.2	108.8	108.8	100.2	96.9	86.9
82.5°	45.4	46.8	49.2	52.5	60.0	74.4	79.6	80.7	75.2	70.9	63.0
85°	25.9	25.2	26.5	28.5	29.9	33.8	41.8	43.1	41.8	36.5	34.5
87.5°	12.0	12.2	11.9	11.0	11.1	11.2	13.4	15.6	13.9	12.8	12.1
90°	15.0	13.4	11.8	9.8	7.6	5.4	3.1	0.9	3.1	5.4	7.6
92.5°	19.6	18.8	17.9	17.6	17.8	18.0	18.2	18.4	18.2	18.0	17.8
95°	32.8	31.4	29.9	32.6	39.3	46.0	52.7	59.4	52.7	46.0	39.3
97.5°	41.1	37.8	34.5	42.3	61.2	80.1	98.9	117.8	98.9	80.1	61.2
100°	45.2	41.7	38.3	50.4	78.2	106.0	133.8	161.7	133.8	106.0	78.2
102.5°	111.2	140.1	169.0	186.3	192.2	198.1	204.0	209.9	204.0	198.1	192.2
105°	166.5	221.9	277.3	302.0	295.9	289.8	283.7	277.6	283.7	289.8	295.9
107.5°	210.9	277.3	343.8	374.6	369.6	364.7	359.8	354.9	359.8	364.7	369.6
110°	277.1	335.8	394.4	421.6	417.4	413.1	408.9	404.6	408.9	413.1	417.4



TEST NUMBER: P331723

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	432.1	446.6	461.1	466.4	462.7	458.9	455.1	451.3	455.1	458.9	462.7
115°	553.4	548.3	543.2	538.9	535.5	532.0	528.6	525.1	528.6	532.0	535.5
117.5°	617.2	613.7	610.2	606.5	602.7	598.8	594.9	591.1	594.9	598.8	602.7
120°	662.1	658.5	654.8	651.5	648.4	645.4	642.3	639.3	642.3	645.4	648.4
122.5°	704.6	700.6	696.6	693.0	689.8	686.6	683.4	680.2	683.4	686.6	689.8
125°	764.0	760.2	756.3	753.1	750.4	747.8	745.1	742.5	745.1	747.8	750.4
127.5°	819.3	816.4	813.5	810.6	807.7	804.8	801.9	798.9	801.9	804.8	807.7
130°	854.9	852.7	850.5	847.7	844.5	841.2	838.0	834.8	838.0	841.2	844.5
132.5°	889.3	887.1	884.8	882.3	879.6	876.8	874.0	871.3	874.0	876.8	879.6
135°	938.0	936.1	934.3	931.8	928.5	925.3	922.0	918.8	922.0	925.3	928.5
137.5°	982.2	980.1	978.1	975.9	973.6	971.4	969.1	966.8	969.1	971.4	973.6
140°	1011.1	1008.9	1006.7	1004.7	1003.1	1001.5	999.9	998.2	999.9	1001.5	1003.1
142.5°	1037.5	1034.9	1032.4	1030.4	1028.9	1027.5	1026.0	1024.5	1026.0	1027.5	1028.9
145°	1073.5	1070.1	1066.6	1065.0	1065.2	1065.4	1065.6	1065.8	1065.6	1065.4	1065.2
147.5°	1106.9	1103.4	1100.0	1098.7	1099.5	1100.3	1101.0	1101.8	1101.0	1100.3	1099.5
150°	1126.9	1123.7	1120.4	1119.5	1120.9	1122.3	1123.8	1125.2	1123.8	1122.3	1120.9
152.5°	1145.5	1142.4	1139.3	1138.6	1140.2	1141.7	1143.3	1144.9	1143.3	1141.7	1140.2
155°	1171.5	1169.0	1166.6	1166.3	1168.1	1169.9	1171.8	1173.6	1171.8	1169.9	1168.1
157.5°	1193.4	1191.7	1190.0	1189.9	1191.4	1193.0	1194.5	1196.0	1194.5	1193.0	1191.4
160°	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1208.0	1206.8	1205.5
162.5°	1218.0	1217.0	1215.9	1216.0	1217.2	1218.5	1219.7	1220.9	1219.7	1218.5	1217.2
165°	1232.6	1232.0	1231.4	1231.7	1232.9	1234.2	1235.4	1236.6	1235.4	1234.2	1232.9
167.5°	1244.2	1243.7	1243.1	1243.4	1244.6	1245.9	1247.1	1248.3	1247.1	1245.9	1244.6
170°	1250.4	1250.0	1249.6	1250.0	1251.2	1252.4	1253.6	1254.9	1253.6	1252.4	1251.2
172.5°	1254.8	1254.4	1254.0	1254.4	1255.6	1256.8	1258.0	1259.2	1258.0	1256.8	1255.6
175°	1259.5	1259.1	1258.7	1259.2	1260.6	1262.1	1263.5	1264.9	1263.5	1262.1	1260.6
177.5°	1261.1	1261.0	1260.8	1261.3	1262.4	1263.6	1264.7	1265.8	1264.7	1263.6	1262.4
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331723

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1882.5	1878.8	1871.9	1861.3	1854.9	1843.8	1836.3	1840.6	1841.6	1840.6	1839.5
5°	1831.9	1818.0	1798.8	1780.2	1762.9	1744.4	1733.7	1729.1	1719.8	1714.5	1711.9
7.5°	1770.8	1746.8	1719.5	1687.2	1659.7	1630.9	1616.2	1608.9	1589.9	1579.5	1570.5
10°	1725.1	1687.3	1660.1	1617.6	1591.8	1553.9	1528.1	1528.7	1502.8	1488.2	1477.6
12.5°	1674.7	1633.2	1587.9	1549.7	1513.7	1483.3	1452.2	1439.5	1412.1	1398.0	1369.3
15°	1591.1	1542.7	1494.9	1443.1	1406.6	1359.5	1314.4	1259.3	1214.9	1176.4	1165.8
17.5°	1499.8	1439.8	1391.9	1331.1	1268.6	1189.4	1137.1	1105.1	1078.3	1058.0	1042.9
20°	1437.2	1376.1	1325.0	1233.5	1149.2	1095.5	1057.0	1032.4	1004.6	982.7	970.7
22.5°	1371.3	1307.6	1238.0	1135.8	1070.1	1027.0	992.7	964.5	945.6	928.5	917.6
25°	1277.9	1208.2	1093.5	1023.1	970.0	924.9	901.0	883.8	863.9	840.7	830.0
27.5°	1179.2	1068.4	986.0	933.7	883.0	853.7	832.2	806.4	788.6	778.2	767.1
30°	1105.4	994.6	930.2	873.2	837.3	804.8	779.6	765.0	747.8	729.9	722.6
32.5°	1023.1	934.6	872.9	825.4	789.0	761.3	741.4	717.8	705.3	694.3	679.0
35°	920.9	853.9	797.5	759.1	724.6	702.0	678.8	664.8	642.3	633.0	627.0
37.5°	834.4	776.3	734.2	693.6	666.3	641.3	627.1	605.0	595.2	582.3	569.7
40°	785.6	728.5	688.1	654.9	624.4	605.8	587.9	570.0	555.4	549.4	534.1
42.5°	735.7	689.3	648.8	612.4	592.0	572.3	549.7	536.5	521.4	511.7	502.3
45°	666.8	625.7	591.2	561.3	538.8	518.2	503.6	481.7	473.1	453.8	445.9
47.5°	606.3	568.1	535.2	506.8	484.8	471.4	450.0	432.9	419.1	407.3	397.0
50°	563.3	531.5	499.6	474.4	454.5	435.3	413.4	404.7	383.5	377.5	371.6
52.5°	524.0	493.8	464.6	439.9	420.0	401.3	382.0	370.8	356.4	350.5	346.1
55°	469.1	439.9	412.0	390.1	370.2	351.0	339.1	325.1	318.5	313.8	308.5
57.5°	413.9	387.6	366.3	344.1	324.1	308.8	295.0	286.6	279.7	273.6	267.3
60°	378.9	353.6	334.4	313.8	293.3	280.7	270.0	260.1	252.1	242.8	240.2
62.5°	341.7	319.7	302.0	282.0	264.1	252.5	242.4	233.0	223.5	209.9	206.2
65°	290.6	273.4	254.8	238.2	222.3	211.0	196.4	185.8	181.8	180.5	179.8
67.5°	244.4	228.1	212.2	195.2	180.7	170.3	162.8	161.2	158.4	157.6	155.8
70°	213.6	198.4	182.5	166.5	152.6	150.6	148.0	145.3	142.0	140.7	139.3
72.5°	186.0	170.3	154.3	141.6	135.6	133.1	130.4	127.8	125.5	124.2	123.4
75°	142.7	128.1	117.4	112.8	109.5	107.5	103.5	101.5	100.2	98.2	97.5
77.5°	102.7	94.5	89.6	86.7	83.2	81.1	78.8	76.8	75.4	75.0	73.9
80°	78.3	74.3	71.0	67.0	65.7	63.0	62.4	60.4	61.0	59.1	59.1
82.5°	60.8	55.7	52.9	51.1	49.8	47.6	47.0	46.0	46.2	44.7	44.7
85°	31.2	29.9	28.5	27.2	27.2	25.2	25.9	25.2	25.2	23.9	23.2
87.5°	12.1	11.9	11.2	11.5	11.8	11.6	11.8	11.5	11.7	11.9	11.5
90°	9.8	11.8	13.4	15.0	16.6	18.3	19.3	20.3	21.3	22.3	23.0
92.5°	17.6	17.9	18.8	19.6	20.4	21.2	21.7	22.2	22.8	23.3	23.7
95°	32.6	29.9	31.4	32.8	34.2	35.6	36.6	37.6	38.7	39.7	40.1
97.5°	42.3	34.5	37.8	41.1	44.4	47.7	48.5	49.3	50.1	50.9	51.4
100°	50.4	38.3	41.7	45.2	48.6	52.1	53.7	55.3	56.9	58.6	59.6
102.5°	186.3	169.0	140.1	111.2	82.4	53.5	55.6	57.7	59.9	62.0	63.3
105°	302.0	277.3	221.9	166.5	111.1	55.7	57.9	60.2	62.4	64.6	66.2
107.5°	374.6	343.8	277.3	210.9	144.4	78.0	75.7	73.4	71.2	68.9	68.2
110°	421.6	394.4	335.8	277.1	218.5	159.8	139.5	119.2	98.9	78.6	68.9



TEST NUMBER: P331723

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	466.4	461.1	446.6	432.1	417.6	403.1	329.1	255.1	181.0	107.0	70.3
115°	538.9	543.2	548.3	553.4	558.4	563.5	469.5	375.6	281.6	187.6	133.3
117.5°	606.5	610.2	613.7	617.2	620.7	624.1	601.4	578.7	556.0	533.2	497.8
120°	651.5	654.8	658.5	662.1	665.8	669.4	671.9	674.3	676.8	679.2	666.7
122.5°	693.0	696.6	700.6	704.6	708.6	712.6	714.0	715.5	716.9	718.4	716.5
125°	753.1	756.3	760.2	764.0	767.9	771.7	773.2	774.6	776.0	777.4	778.4
127.5°	810.6	813.5	816.4	819.3	822.2	825.1	827.1	829.2	831.3	833.4	834.4
130°	847.7	850.5	852.7	854.9	857.2	859.4	861.6	863.9	866.1	868.3	869.4
132.5°	882.3	884.8	887.1	889.3	891.5	893.7	895.7	897.6	899.5	901.4	902.2
135°	931.8	934.3	936.1	938.0	939.8	941.6	943.6	945.7	947.7	949.7	950.5
137.5°	975.9	978.1	980.1	982.2	984.3	986.4	988.3	990.3	992.3	994.3	995.0
140°	1004.7	1006.7	1008.9	1011.1	1013.4	1015.6	1017.4	1019.2	1021.1	1022.9	1023.3
142.5°	1030.4	1032.4	1034.9	1037.5	1040.1	1042.6	1044.3	1045.9	1047.6	1049.3	1049.6
145°	1065.0	1066.6	1070.1	1073.5	1077.0	1080.4	1081.8	1083.3	1084.7	1086.1	1086.3
147.5°	1098.7	1100.0	1103.4	1106.9	1110.3	1113.7	1114.7	1115.8	1116.8	1117.9	1118.0
150°	1119.5	1120.4	1123.7	1126.9	1130.2	1133.4	1134.6	1135.8	1137.1	1138.3	1138.4
152.5°	1138.6	1139.3	1142.4	1145.5	1148.6	1151.7	1152.9	1154.1	1155.3	1156.5	1156.5
155°	1166.3	1166.6	1169.0	1171.5	1173.9	1176.3	1177.5	1178.8	1180.0	1181.2	1181.0
157.5°	1189.9	1190.0	1191.7	1193.4	1195.1	1196.8	1198.2	1199.5	1200.9	1202.3	1202.2
160°	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1210.4	1211.6	1212.9	1214.1	1214.0
162.5°	1216.0	1215.9	1217.0	1218.0	1219.1	1220.2	1221.5	1222.9	1224.3	1225.7	1225.5
165°	1231.7	1231.4	1232.0	1232.6	1233.3	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5
167.5°	1243.4	1243.1	1243.7	1244.2	1244.8	1245.4	1246.8	1248.2	1249.6	1251.1	1250.8
170°	1250.0	1249.6	1250.0	1250.4	1250.8	1251.2	1252.6	1254.1	1255.5	1256.9	1256.7
172.5°	1254.4	1254.0	1254.4	1254.8	1255.2	1255.6	1257.0	1258.4	1259.9	1261.3	1261.1
175°	1259.2	1258.7	1259.1	1259.5	1259.9	1260.3	1261.8	1263.2	1264.6	1266.0	1265.7
177.5°	1261.3	1260.8	1261.0	1261.1	1261.3	1261.4	1262.6	1263.7	1264.9	1266.0	1265.8
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331723

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1833.7	1834.7	1833.1	1834.2	1833.1	1834.7	1833.7	1839.5	1840.6	1841.6	1840.6
5°	1708.5	1700.6	1699.2	1697.3	1699.2	1700.6	1708.5	1711.9	1714.5	1719.8	1729.1
7.5°	1559.1	1557.9	1554.6	1550.0	1554.6	1557.9	1559.1	1570.5	1579.5	1589.9	1608.9
10°	1463.0	1459.7	1459.1	1454.4	1459.1	1459.7	1463.0	1477.6	1488.2	1502.8	1528.7
12.5°	1350.5	1329.1	1326.9	1315.3	1326.9	1329.1	1350.5	1369.3	1398.0	1412.1	1439.5
15°	1149.9	1145.9	1132.6	1124.0	1132.6	1145.9	1149.9	1165.8	1176.4	1214.9	1259.3
17.5°	1035.2	1022.2	1018.1	1016.2	1018.1	1022.2	1035.2	1042.9	1058.0	1078.3	1105.1
20°	961.4	949.5	947.5	946.2	947.5	949.5	961.4	970.7	982.7	1004.6	1032.4
22.5°	910.5	898.0	892.8	888.8	892.8	898.0	910.5	917.6	928.5	945.6	964.5
25°	823.4	818.8	816.1	814.8	816.1	818.8	823.4	830.0	840.7	863.9	883.8
27.5°	755.3	745.1	743.1	739.7	743.1	745.1	755.3	767.1	778.2	788.6	806.4
30°	716.6	713.3	708.6	704.6	708.6	713.3	716.6	722.6	729.9	747.8	765.0
32.5°	670.9	668.2	664.0	662.2	664.0	668.2	670.9	679.0	694.3	705.3	717.8
35°	620.4	611.1	607.1	601.1	607.1	611.1	620.4	627.0	633.0	642.3	664.8
37.5°	566.9	562.0	556.4	558.4	556.4	562.0	566.9	569.7	582.3	595.2	605.0
40°	525.5	522.2	520.9	520.2	520.9	522.2	525.5	534.1	549.4	555.4	570.0
42.5°	492.6	483.4	480.0	479.8	480.0	483.4	492.6	502.3	511.7	521.4	536.5
45°	442.6	433.9	428.0	428.6	428.0	433.9	442.6	445.9	453.8	473.1	481.7
47.5°	391.3	391.1	387.4	388.6	387.4	391.1	391.3	397.0	407.3	419.1	432.9
50°	366.9	362.9	360.3	360.9	360.3	362.9	366.9	371.6	377.5	383.5	404.7
52.5°	343.6	340.1	338.0	340.8	338.0	340.1	343.6	346.1	350.5	356.4	370.8
55°	305.2	301.2	300.6	299.9	300.6	301.2	305.2	308.5	313.8	318.5	325.1
57.5°	262.4	259.7	255.7	254.0	255.7	259.7	262.4	267.3	273.6	279.7	286.6
60°	231.6	226.3	219.6	219.0	219.6	226.3	231.6	240.2	242.8	252.1	260.1
62.5°	203.4	202.4	201.0	200.9	201.0	202.4	203.4	206.2	209.9	223.5	233.0
65°	178.5	177.8	178.5	179.1	178.5	177.8	178.5	179.8	180.5	181.8	185.8
67.5°	155.5	154.3	153.1	153.7	153.1	154.3	155.5	155.8	157.6	158.4	161.2
70°	138.0	137.3	136.7	136.7	136.7	137.3	138.0	139.3	140.7	142.0	145.3
72.5°	121.0	120.9	120.2	119.7	120.2	120.9	121.0	123.4	124.2	125.5	127.8
75°	96.9	95.5	95.5	95.5	95.5	95.5	96.9	97.5	98.2	100.2	101.5
77.5°	73.8	73.1	72.5	71.9	72.5	73.1	73.8	73.9	75.0	75.4	76.8
80°	58.4	57.7	57.1	57.1	57.1	57.7	58.4	59.1	59.1	61.0	60.4
82.5°	44.6	43.9	43.8	43.3	43.8	43.9	44.6	44.7	44.7	46.2	46.0
85°	23.9	24.5	23.9	25.2	23.9	24.5	23.9	23.2	23.9	25.2	25.2
87.5°	11.6	11.1	11.8	11.3	11.8	11.1	11.6	11.5	11.9	11.7	11.5
90°	23.4	23.8	24.3	24.7	24.3	23.8	23.4	23.0	22.3	21.3	20.3
92.5°	23.9	24.2	24.4	24.7	24.4	24.2	23.9	23.7	23.3	22.8	22.2
95°	39.9	39.7	39.5	39.3	39.5	39.7	39.9	40.1	39.7	38.7	37.6
97.5°	51.7	51.9	52.2	52.4	52.2	51.9	51.7	51.4	50.9	50.1	49.3
100°	60.0	60.4	60.8	61.2	60.8	60.4	60.0	59.6	58.6	56.9	55.3
102.5°	63.9	64.4	65.0	65.6	65.0	64.4	63.9	63.3	62.0	59.9	57.7
105°	67.0	67.8	68.6	69.4	68.6	67.8	67.0	66.2	64.6	62.4	60.2
107.5°	69.0	69.8	70.6	71.4	70.6	69.8	69.0	68.2	68.9	71.2	73.4
110°	69.7	70.5	71.3	72.2	71.3	70.5	69.7	68.9	78.6	98.9	119.2



TEST NUMBER: P331723

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	70.9	71.6	72.2	72.9	72.2	71.6	70.9	70.3	107.0	181.0	255.1
115°	118.7	104.1	89.5	74.9	89.5	104.1	118.7	133.3	187.6	281.6	375.6
117.5°	449.8	401.8	353.8	305.8	353.8	401.8	449.8	497.8	533.2	556.0	578.7
120°	639.3	611.9	584.5	557.1	584.5	611.9	639.3	666.7	679.2	676.8	674.3
122.5°	711.2	705.8	700.5	695.2	700.5	705.8	711.2	716.5	718.4	716.9	715.5
125°	779.0	779.6	780.3	780.9	780.3	779.6	779.0	778.4	777.4	776.0	774.6
127.5°	834.6	834.7	834.8	834.9	834.8	834.7	834.6	834.4	833.4	831.3	829.2
130°	869.2	868.9	868.7	868.5	868.7	868.9	869.2	869.4	868.3	866.1	863.9
132.5°	902.0	901.8	901.6	901.4	901.6	901.8	902.0	902.2	901.4	899.5	897.6
135°	950.1	949.7	949.3	948.9	949.3	949.7	950.1	950.5	949.7	947.7	945.7
137.5°	994.3	993.6	992.9	992.2	992.9	993.6	994.3	995.0	994.3	992.3	990.3
140°	1022.3	1021.3	1020.3	1019.2	1020.3	1021.3	1022.3	1023.3	1022.9	1021.1	1019.2
142.5°	1048.6	1047.6	1046.6	1045.5	1046.6	1047.6	1048.6	1049.6	1049.3	1047.6	1045.9
145°	1085.3	1084.3	1083.3	1082.3	1083.3	1084.3	1085.3	1086.3	1086.1	1084.7	1083.3
147.5°	1117.1	1116.3	1115.4	1114.6	1115.4	1116.3	1117.1	1118.0	1117.9	1116.8	1115.8
150°	1137.4	1136.3	1135.3	1134.3	1135.3	1136.3	1137.4	1138.4	1138.3	1137.1	1135.8
152.5°	1155.1	1153.8	1152.5	1151.1	1152.5	1153.8	1155.1	1156.5	1156.5	1155.3	1154.1
155°	1179.4	1177.7	1176.1	1174.5	1176.1	1177.7	1179.4	1181.0	1181.2	1180.0	1178.8
157.5°	1200.6	1199.0	1197.4	1195.9	1197.4	1199.0	1200.6	1202.2	1202.3	1200.9	1199.5
160°	1212.5	1211.1	1209.7	1208.3	1209.7	1211.1	1212.5	1214.0	1214.1	1212.9	1211.6
162.5°	1223.8	1222.0	1220.3	1218.5	1220.3	1222.0	1223.8	1225.5	1225.7	1224.3	1222.9
165°	1238.1	1236.7	1235.3	1233.9	1235.3	1236.7	1238.1	1239.5	1239.5	1238.1	1236.7
167.5°	1249.0	1247.2	1245.4	1243.5	1245.4	1247.2	1249.0	1250.8	1251.1	1249.6	1248.2
170°	1254.9	1253.0	1251.2	1249.4	1251.2	1253.0	1254.9	1256.7	1256.9	1255.5	1254.1
172.5°	1259.2	1257.4	1255.6	1253.8	1255.6	1257.4	1259.2	1261.1	1261.3	1259.9	1258.4
175°	1263.7	1261.7	1259.6	1257.6	1259.6	1261.7	1263.7	1265.7	1266.0	1264.6	1263.2
177.5°	1264.4	1262.9	1261.4	1260.0	1261.4	1262.9	1264.4	1265.8	1266.0	1264.9	1263.7
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331723

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1836.3	1843.8	1854.9	1861.3	1871.9	1878.8	1882.5	1889.4	1893.1	1906.4	1920.2
5°	1733.7	1744.4	1762.9	1780.2	1798.8	1818.0	1831.9	1847.9	1862.5	1887.7	1914.2
7.5°	1616.2	1630.9	1659.7	1687.2	1719.5	1746.8	1770.8	1798.0	1822.3	1858.4	1896.0
10°	1528.1	1553.9	1591.8	1617.6	1660.1	1687.3	1725.1	1755.0	1788.8	1836.6	1879.1
12.5°	1452.2	1483.3	1513.7	1549.7	1587.9	1633.2	1674.7	1713.0	1753.3	1802.6	1852.5
15°	1314.4	1359.5	1406.6	1443.1	1494.9	1542.7	1591.1	1642.8	1691.9	1751.0	1816.0
17.5°	1137.1	1189.4	1268.6	1331.1	1391.9	1439.8	1499.8	1562.4	1620.3	1691.5	1763.9
20°	1057.0	1095.5	1149.2	1233.5	1325.0	1376.1	1437.2	1506.2	1572.5	1650.1	1727.8
22.5°	992.7	1027.0	1070.1	1135.8	1238.0	1307.6	1371.3	1441.4	1518.4	1597.6	1683.7
25°	901.0	924.9	970.0	1023.1	1093.5	1208.2	1277.9	1348.2	1431.9	1516.8	1615.0
27.5°	832.2	853.7	883.0	933.7	986.0	1068.4	1179.2	1255.9	1339.2	1434.8	1536.7
30°	779.6	804.8	837.3	873.2	930.2	994.6	1105.4	1194.3	1276.6	1374.8	1483.6
32.5°	741.4	761.3	789.0	825.4	872.9	934.6	1023.1	1131.1	1211.3	1314.8	1428.4
35°	678.8	702.0	724.6	759.1	797.5	853.9	920.9	1036.4	1116.0	1218.2	1332.3
37.5°	627.1	641.3	666.3	693.6	734.2	776.3	834.4	937.9	1024.1	1124.4	1241.2
40°	587.9	605.8	624.4	654.9	688.1	728.5	785.6	862.6	961.4	1059.6	1173.7
42.5°	549.7	572.3	592.0	612.4	648.8	689.3	735.7	801.0	902.0	994.9	1105.8
45°	503.6	518.2	538.8	561.3	591.2	625.7	666.8	723.9	820.8	901.0	1005.2
47.5°	450.0	471.4	484.8	506.8	535.2	568.1	606.3	655.7	734.1	809.3	906.0
50°	413.4	435.3	454.5	474.4	499.6	531.5	563.3	611.1	674.1	753.1	843.3
52.5°	382.0	401.3	420.0	439.9	464.6	493.8	524.0	566.0	620.0	692.6	780.2
55°	339.1	351.0	370.2	390.1	412.0	439.9	469.1	504.3	550.7	611.8	682.8
57.5°	295.0	308.8	324.1	344.1	366.3	387.6	413.9	445.7	482.4	537.6	598.4
60°	270.0	280.7	293.3	313.8	334.4	353.6	378.9	405.4	439.9	487.7	539.4
62.5°	242.4	252.5	264.1	282.0	302.0	319.7	341.7	369.8	399.0	442.6	487.9
65°	196.4	211.0	222.3	238.2	254.8	273.4	290.6	313.2	339.1	373.6	414.0
67.5°	162.8	170.3	180.7	195.2	212.2	228.1	244.4	262.1	284.5	311.2	343.3
70°	148.0	150.6	152.6	166.5	182.5	198.4	213.6	230.2	249.5	271.4	299.2
72.5°	130.4	133.1	135.6	141.6	154.3	170.3	186.0	198.4	216.6	234.7	257.3
75°	103.5	107.5	109.5	112.8	117.4	128.1	142.7	154.6	165.2	179.1	197.1
77.5°	78.8	81.1	83.2	86.7	89.6	94.5	102.7	113.5	123.4	131.5	143.8
80°	62.4	63.0	65.7	67.0	71.0	74.3	78.3	86.9	96.9	100.2	108.8
82.5°	47.0	47.6	49.8	51.1	52.9	55.7	60.8	63.0	70.9	75.2	80.7
85°	25.9	25.2	27.2	27.2	28.5	29.9	31.2	34.5	36.5	41.8	43.1
87.5°	11.8	11.6	11.8	11.5	11.2	11.9	12.1	12.1	12.8	13.9	15.6
90°	19.3	18.3	16.6	15.0	13.4	11.8	9.8	7.6	5.4	3.1	0.9
92.5°	21.7	21.2	20.4	19.6	18.8	17.9	17.6	17.8	18.0	18.2	18.4
95°	36.6	35.6	34.2	32.8	31.4	29.9	32.6	39.3	46.0	52.7	59.4
97.5°	48.5	47.7	44.4	41.1	37.8	34.5	42.3	61.2	80.1	98.9	117.8
100°	53.7	52.1	48.6	45.2	41.7	38.3	50.4	78.2	106.0	133.8	161.7
102.5°	55.6	53.5	82.4	111.2	140.1	169.0	186.3	192.2	198.1	204.0	209.9
105°	57.9	55.7	111.1	166.5	221.9	277.3	302.0	295.9	289.8	283.7	277.6
107.5°	75.7	78.0	144.4	210.9	277.3	343.8	374.6	369.6	364.7	359.8	354.9
110°	139.5	159.8	218.5	277.1	335.8	394.4	421.6	417.4	413.1	408.9	404.6



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CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	329.1	403.1	417.6	432.1	446.6	461.1	466.4	462.7	458.9	455.1	451.3
115°	469.5	563.5	558.4	553.4	548.3	543.2	538.9	535.5	532.0	528.6	525.1
117.5°	601.4	624.1	620.7	617.2	613.7	610.2	606.5	602.7	598.8	594.9	591.1
120°	671.9	669.4	665.8	662.1	658.5	654.8	651.5	648.4	645.4	642.3	639.3
122.5°	714.0	712.6	708.6	704.6	700.6	696.6	693.0	689.8	686.6	683.4	680.2
125°	773.2	771.7	767.9	764.0	760.2	756.3	753.1	750.4	747.8	745.1	742.5
127.5°	827.1	825.1	822.2	819.3	816.4	813.5	810.6	807.7	804.8	801.9	798.9
130°	861.6	859.4	857.2	854.9	852.7	850.5	847.7	844.5	841.2	838.0	834.8
132.5°	895.7	893.7	891.5	889.3	887.1	884.8	882.3	879.6	876.8	874.0	871.3
135°	943.6	941.6	939.8	938.0	936.1	934.3	931.8	928.5	925.3	922.0	918.8
137.5°	988.3	986.4	984.3	982.2	980.1	978.1	975.9	973.6	971.4	969.1	966.8
140°	1017.4	1015.6	1013.4	1011.1	1008.9	1006.7	1004.7	1003.1	1001.5	999.9	998.2
142.5°	1044.3	1042.6	1040.1	1037.5	1034.9	1032.4	1030.4	1028.9	1027.5	1026.0	1024.5
145°	1081.8	1080.4	1077.0	1073.5	1070.1	1066.6	1065.0	1065.2	1065.4	1065.6	1065.8
147.5°	1114.7	1113.7	1110.3	1106.9	1103.4	1100.0	1098.7	1099.5	1100.3	1101.0	1101.8
150°	1134.6	1133.4	1130.2	1126.9	1123.7	1120.4	1119.5	1120.9	1122.3	1123.8	1125.2
152.5°	1152.9	1151.7	1148.6	1145.5	1142.4	1139.3	1138.6	1140.2	1141.7	1143.3	1144.9
155°	1177.5	1176.3	1173.9	1171.5	1169.0	1166.6	1166.3	1168.1	1169.9	1171.8	1173.6
157.5°	1198.2	1196.8	1195.1	1193.4	1191.7	1190.0	1189.9	1191.4	1193.0	1194.5	1196.0
160°	1210.4	1209.2	1208.0	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2
162.5°	1221.5	1220.2	1219.1	1218.0	1217.0	1215.9	1216.0	1217.2	1218.5	1219.7	1220.9
165°	1235.3	1233.9	1233.3	1232.6	1232.0	1231.4	1231.7	1232.9	1234.2	1235.4	1236.6
167.5°	1246.8	1245.4	1244.8	1244.2	1243.7	1243.1	1243.4	1244.6	1245.9	1247.1	1248.3
170°	1252.6	1251.2	1250.8	1250.4	1250.0	1249.6	1250.0	1251.2	1252.4	1253.6	1254.9
172.5°	1257.0	1255.6	1255.2	1254.8	1254.4	1254.0	1254.4	1255.6	1256.8	1258.0	1259.2
175°	1261.8	1260.3	1259.9	1259.5	1259.1	1258.7	1259.2	1260.6	1262.1	1263.5	1264.9
177.5°	1262.6	1261.4	1261.3	1261.1	1261.0	1260.8	1261.3	1262.4	1263.6	1264.7	1265.8
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



TEST NUMBER: P331723

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1920.7	1922.3	1932.9	1937.7	1947.3	1951.0	1955.2	1954.2	1954.2	1956.3	1971.2
5°	1924.8	1938.1	1958.0	1977.3	1995.8	2011.8	2022.4	2033.0	2037.0	2056.2	2073.5
7.5°	1917.9	1942.4	1975.3	2004.6	2039.8	2067.2	2090.1	2110.6	2124.7	2152.7	2181.4
10°	1908.9	1943.4	1980.6	2018.4	2066.8	2103.3	2140.5	2169.0	2178.3	2220.1	2244.0
12.5°	1890.9	1937.0	1984.3	2033.3	2080.6	2130.9	2171.8	2200.3	2233.0	2270.5	2314.6
15°	1863.8	1916.9	1978.6	2041.6	2109.3	2170.3	2214.1	2263.9	2299.7	2340.9	2379.3
17.5°	1824.9	1893.3	1971.7	2044.7	2123.0	2188.5	2248.8	2296.5	2321.7	2345.2	2350.9
20°	1794.1	1867.8	1960.0	2046.3	2124.6	2200.2	2259.9	2299.7	2306.4	2307.0	2271.9
22.5°	1760.7	1843.9	1940.4	2028.7	2122.4	2206.6	2253.0	2270.0	2243.7	2198.7	2130.7
25°	1699.2	1795.5	1907.6	2008.4	2110.6	2190.2	2206.2	2176.3	2084.1	1987.2	1864.5
27.5°	1632.6	1740.8	1861.0	1973.1	2082.0	2131.3	2097.0	1989.3	1823.2	1678.8	1503.8
30°	1583.8	1705.2	1823.3	1948.7	2049.6	2070.8	1991.9	1833.3	1639.5	1421.9	1247.4
32.5°	1528.1	1655.3	1785.1	1914.8	1999.2	1978.4	1848.0	1652.8	1425.6	1211.7	1046.8
35°	1448.4	1579.8	1719.8	1849.9	1903.6	1814.0	1619.0	1364.8	1132.6	932.9	819.4
37.5°	1356.5	1499.5	1645.1	1764.5	1760.7	1611.4	1345.7	1083.4	888.2	770.1	689.3
40°	1291.2	1435.8	1593.1	1693.9	1650.8	1456.4	1168.4	920.9	778.3	684.1	625.0
42.5°	1228.6	1373.7	1529.9	1610.1	1535.1	1296.1	1009.2	815.3	697.6	624.1	576.2
45°	1122.0	1275.3	1419.9	1464.4	1330.3	1066.9	816.1	675.5	597.2	542.7	509.6
47.5°	1017.8	1168.6	1300.6	1301.4	1120.1	865.2	688.5	584.6	517.7	475.6	451.5
50°	954.1	1097.4	1208.2	1191.0	985.3	769.7	615.7	526.2	470.4	437.9	412.7
52.5°	882.5	1021.5	1117.5	1068.4	871.2	677.3	550.4	475.2	429.0	400.8	378.2
55°	778.3	901.7	969.4	895.1	710.6	563.3	465.1	406.1	371.6	347.7	328.4
57.5°	676.0	777.8	820.4	733.8	585.3	467.1	393.5	349.1	314.9	297.8	287.8
60°	611.8	698.7	728.5	633.0	508.9	408.7	348.3	307.2	282.0	270.7	260.8
62.5°	548.6	619.6	631.9	544.3	443.6	357.8	305.9	271.1	254.4	243.6	234.2
65°	455.2	506.3	500.3	430.0	351.0	284.0	246.2	224.9	212.3	197.1	180.5
67.5°	374.7	405.9	387.1	334.4	267.9	220.7	196.0	179.9	164.3	149.8	146.0
70°	323.8	341.7	321.8	273.4	219.6	185.1	165.2	146.0	136.7	133.4	127.4
72.5°	275.0	281.2	259.7	218.2	178.7	153.3	133.9	123.1	118.1	115.3	111.5
75°	206.4	201.7	183.1	150.6	124.1	106.8	100.9	96.9	93.6	90.9	88.9
77.5°	144.9	138.1	121.6	100.3	86.4	78.2	74.6	72.5	70.9	69.5	67.5
80°	108.8	104.2	87.6	71.7	65.7	61.7	59.7	57.1	57.1	55.7	53.7
82.5°	79.6	74.4	60.0	52.5	49.2	46.8	45.4	43.8	43.3	43.5	42.1
85°	41.8	33.8	29.9	28.5	26.5	25.2	25.9	24.5	24.5	24.5	23.9
87.5°	13.4	11.2	11.1	11.0	11.9	12.2	12.0	12.4	13.2	12.9	13.6
90°	3.1	5.4	7.6	9.8	11.8	13.4	15.0	16.6	18.3	19.3	20.3
92.5°	18.2	18.0	17.8	17.6	17.9	18.8	19.6	20.4	21.2	21.7	22.2
95°	52.7	46.0	39.3	32.6	29.9	31.4	32.8	34.2	35.6	36.6	37.6
97.5°	98.9	80.1	61.2	42.3	34.5	37.8	41.1	44.4	47.7	48.5	49.3
100°	133.8	106.0	78.2	50.4	38.3	41.7	45.2	48.6	52.1	53.7	55.3
102.5°	204.0	198.1	192.2	186.3	169.0	140.1	111.2	82.4	53.5	55.6	57.7
105°	283.7	289.8	295.9	302.0	277.3	221.9	166.5	111.1	55.7	57.9	60.2
107.5°	359.8	364.7	369.6	374.6	343.8	277.3	210.9	144.4	78.0	75.7	73.4
110°	408.9	413.1	417.4	421.6	394.4	335.8	277.1	218.5	159.8	139.5	119.2



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	455.1	458.9	462.7	466.4	461.1	446.6	432.1	417.6	403.1	329.1	255.1
115°	528.6	532.0	535.5	538.9	543.2	548.3	553.4	558.4	563.5	469.5	375.6
117.5°	594.9	598.8	602.7	606.5	610.2	613.7	617.2	620.7	624.1	601.4	578.7
120°	642.3	645.4	648.4	651.5	654.8	658.5	662.1	665.8	669.4	671.9	674.3
122.5°	683.4	686.6	689.8	693.0	696.6	700.6	704.6	708.6	712.6	714.0	715.5
125°	745.1	747.8	750.4	753.1	756.3	760.2	764.0	767.9	771.7	773.2	774.6
127.5°	801.9	804.8	807.7	810.6	813.5	816.4	819.3	822.2	825.1	827.1	829.2
130°	838.0	841.2	844.5	847.7	850.5	852.7	854.9	857.2	859.4	861.6	863.9
132.5°	874.0	876.8	879.6	882.3	884.8	887.1	889.3	891.5	893.7	895.7	897.6
135°	922.0	925.3	928.5	931.8	934.3	936.1	938.0	939.8	941.6	943.6	945.7
137.5°	969.1	971.4	973.6	975.9	978.1	980.1	982.2	984.3	986.4	988.3	990.3
140°	999.9	1001.5	1003.1	1004.7	1006.7	1008.9	1011.1	1013.4	1015.6	1017.4	1019.2
142.5°	1026.0	1027.5	1028.9	1030.4	1032.4	1034.9	1037.5	1040.1	1042.6	1044.3	1045.9
145°	1065.6	1065.4	1065.2	1065.0	1066.6	1070.1	1073.5	1077.0	1080.4	1081.8	1083.3
147.5°	1101.0	1100.3	1099.5	1098.7	1100.0	1103.4	1106.9	1110.3	1113.7	1114.7	1115.8
150°	1123.8	1122.3	1120.9	1119.5	1120.4	1123.7	1126.9	1130.2	1133.4	1134.6	1135.8
152.5°	1143.3	1141.7	1140.2	1138.6	1139.3	1142.4	1145.5	1148.6	1151.7	1152.9	1154.1
155°	1171.8	1169.9	1168.1	1166.3	1166.6	1169.0	1171.5	1173.9	1176.3	1177.5	1178.8
157.5°	1194.5	1193.0	1191.4	1189.9	1190.0	1191.7	1193.4	1195.1	1196.8	1198.2	1199.5
160°	1208.0	1206.8	1205.5	1204.3	1204.3	1205.5	1206.8	1208.0	1209.2	1210.4	1211.6
162.5°	1219.7	1218.5	1217.2	1216.0	1215.9	1217.0	1218.0	1219.1	1220.2	1221.5	1222.9
165°	1235.4	1234.2	1232.9	1231.7	1231.4	1232.0	1232.6	1233.3	1233.9	1235.3	1236.7
167.5°	1247.1	1245.9	1244.6	1243.4	1243.1	1243.7	1244.2	1244.8	1245.4	1246.8	1248.2
170°	1253.6	1252.4	1251.2	1250.0	1249.6	1250.0	1250.4	1250.8	1251.2	1252.6	1254.1
172.5°	1258.0	1256.8	1255.6	1254.4	1254.0	1254.4	1254.8	1255.2	1255.6	1257.0	1258.4
175°	1263.5	1262.1	1260.6	1259.2	1258.7	1259.1	1259.5	1259.9	1260.3	1261.8	1263.2
177.5°	1264.7	1263.6	1262.4	1261.3	1260.8	1261.0	1261.1	1261.3	1261.4	1262.6	1263.7
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6	1909.6
2.5°	1976.5	1983.4	1986.5	1986.5	1990.3	1988.7	1987.1
5°	2090.1	2102.7	2105.3	2117.3	2125.9	2123.2	2124.6
7.5°	2203.0	2223.3	2243.3	2252.5	2253.9	2259.2	2261.2
10°	2272.5	2289.1	2320.3	2315.6	2338.9	2352.1	2330.2
12.5°	2339.4	2361.8	2383.5	2389.4	2402.6	2406.8	2398.2
15°	2399.9	2411.9	2413.2	2409.9	2413.8	2410.5	2397.9
17.5°	2343.4	2324.0	2284.7	2266.1	2251.4	2229.7	2220.9
20°	2250.0	2192.9	2126.5	2100.0	2068.8	2007.8	2022.4
22.5°	2048.3	1983.2	1916.9	1839.4	1802.4	1744.5	1741.0
25°	1734.4	1622.3	1498.9	1412.6	1362.2	1304.5	1279.2
27.5°	1348.5	1207.3	1106.2	1055.0	1008.4	962.6	960.8
30°	1094.8	988.6	910.3	866.5	838.0	818.8	822.8
32.5°	922.8	850.1	797.3	760.9	739.8	725.3	725.1
35°	754.4	704.6	670.8	655.5	640.3	629.7	630.3
37.5°	645.6	615.7	596.9	580.0	570.5	565.3	562.4
40°	589.9	565.3	550.7	540.8	532.8	525.5	524.2
42.5°	545.8	525.5	510.9	503.1	495.6	490.5	489.1
45°	484.4	467.8	454.5	445.9	442.6	437.9	437.9
47.5°	430.9	414.6	404.2	398.8	393.1	390.0	389.9
50°	394.8	382.2	372.9	369.6	364.9	362.9	362.3
52.5°	362.4	353.0	346.4	344.1	342.1	339.6	340.0
55°	318.5	313.2	310.5	308.5	305.2	301.2	303.9
57.5°	281.5	276.9	269.8	263.5	260.5	257.7	258.8
60°	255.5	246.2	236.9	229.6	227.6	221.6	221.6
62.5°	222.5	209.5	198.1	194.0	192.0	189.2	188.7
65°	171.2	165.9	163.2	160.6	159.2	159.2	157.9
67.5°	141.9	139.7	136.8	136.2	134.8	134.4	134.0
70°	125.4	122.7	121.4	120.8	119.4	120.1	118.1
72.5°	109.5	107.4	107.1	105.4	104.6	104.7	103.2
75°	86.3	86.3	85.6	84.9	83.6	82.9	83.6
77.5°	66.4	66.5	65.3	65.2	65.0	65.2	64.5
80°	53.1	53.7	53.1	52.4	51.8	52.4	51.8
82.5°	41.9	41.0	40.9	40.7	40.6	40.2	40.1
85°	23.9	24.5	23.9	23.2	23.2	23.2	23.9
87.5°	13.3	13.5	13.6	13.7	13.8	13.9	13.4
90°	21.3	22.3	23.0	23.4	23.8	24.3	24.7
92.5°	22.8	23.3	23.7	23.9	24.2	24.4	24.7
95°	38.7	39.7	40.1	39.9	39.7	39.5	39.3
97.5°	50.1	50.9	51.4	51.7	51.9	52.2	52.4
100°	56.9	58.6	59.6	60.0	60.4	60.8	61.2
102.5°	59.9	62.0	63.3	63.9	64.4	65.0	65.6
105°	62.4	64.6	66.2	67.0	67.8	68.6	69.4
107.5°	71.2	68.9	68.2	69.0	69.8	70.6	71.4
110°	98.9	78.6	68.9	69.7	70.5	71.3	72.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	181.0	107.0	70.3	70.9	71.6	72.2	72.9
115°	281.6	187.6	133.3	118.7	104.1	89.5	74.9
117.5°	556.0	533.2	497.8	449.8	401.8	353.8	305.8
120°	676.8	679.2	666.7	639.3	611.9	584.5	557.1
122.5°	716.9	718.4	716.5	711.2	705.8	700.5	695.2
125°	776.0	777.4	778.4	779.0	779.6	780.3	780.9
127.5°	831.3	833.4	834.4	834.6	834.7	834.8	834.9
130°	866.1	868.3	869.4	869.2	868.9	868.7	868.5
132.5°	899.5	901.4	902.2	902.0	901.8	901.6	901.4
135°	947.7	949.7	950.5	950.1	949.7	949.3	948.9
137.5°	992.3	994.3	995.0	994.3	993.6	992.9	992.2
140°	1021.1	1022.9	1023.3	1022.3	1021.3	1020.3	1019.2
142.5°	1047.6	1049.3	1049.6	1048.6	1047.6	1046.6	1045.5
145°	1084.7	1086.1	1086.3	1085.3	1084.3	1083.3	1082.3
147.5°	1116.8	1117.9	1118.0	1117.1	1116.3	1115.4	1114.6
150°	1137.1	1138.3	1138.4	1137.4	1136.3	1135.3	1134.3
152.5°	1155.3	1156.5	1156.5	1155.1	1153.8	1152.5	1151.1
155°	1180.0	1181.2	1181.0	1179.4	1177.7	1176.1	1174.5
157.5°	1200.9	1202.3	1202.2	1200.6	1199.0	1197.4	1195.9
160°	1212.9	1214.1	1214.0	1212.5	1211.1	1209.7	1208.3
162.5°	1224.3	1225.7	1225.5	1223.8	1222.0	1220.3	1218.5
165°	1238.1	1239.5	1239.5	1238.1	1236.7	1235.3	1233.9
167.5°	1249.6	1251.1	1250.8	1249.0	1247.2	1245.4	1243.5
170°	1255.5	1256.9	1256.7	1254.9	1253.0	1251.2	1249.4
172.5°	1259.9	1261.3	1261.1	1259.2	1257.4	1255.6	1253.8
175°	1264.6	1266.0	1265.7	1263.7	1261.7	1259.6	1257.6
177.5°	1264.9	1266.0	1265.8	1264.4	1262.9	1261.4	1260.0
180°	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2	1262.2

(END OF REPORT)