

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: P331724

Luminaire Tested: **SA2XXRDIP-C865D925U835-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331724
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-8,
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-A1
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

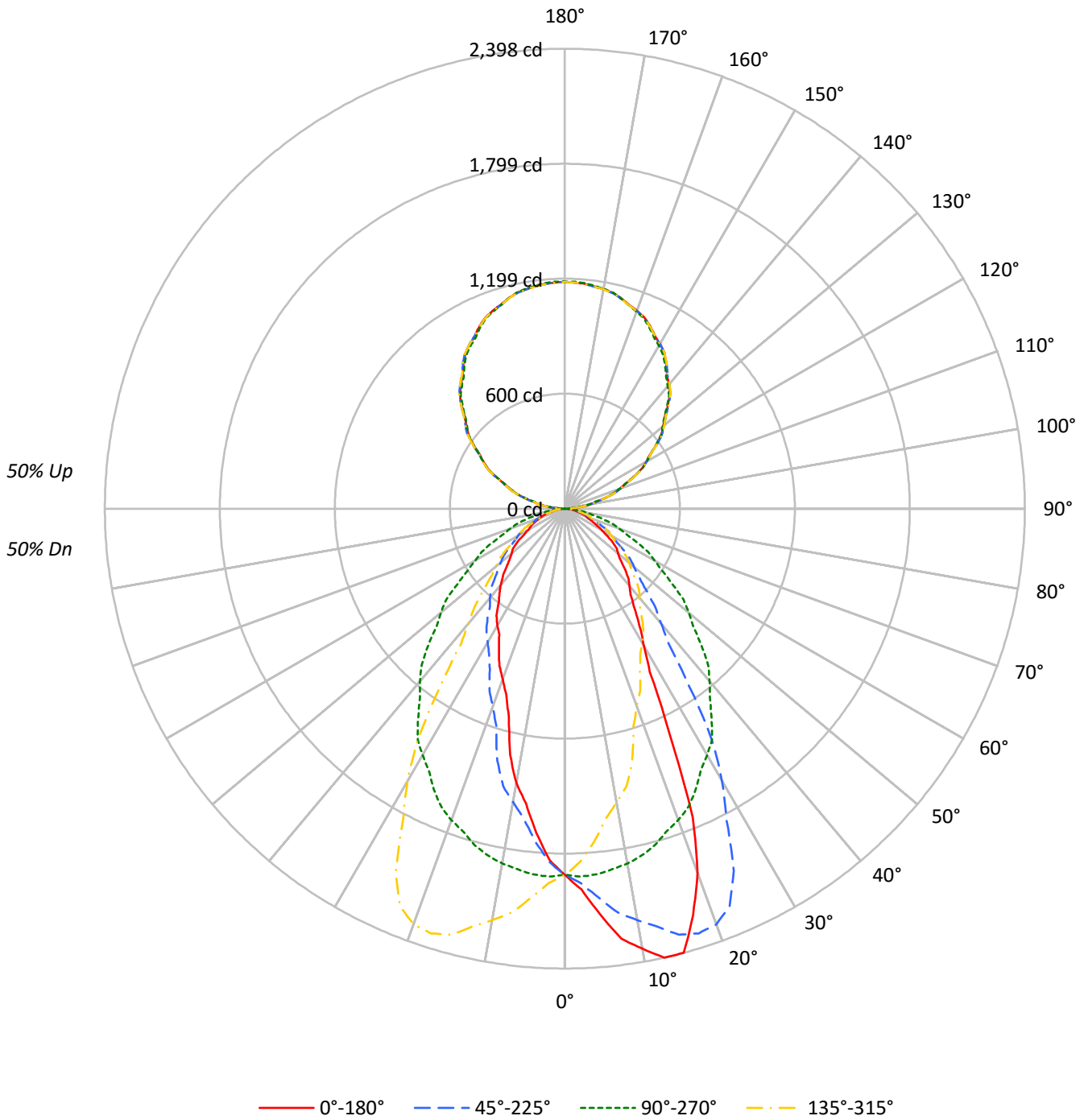
Lumens per Lamp: N/A
Luminaire Lumens: 6611.6 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	99	94	91	88	91	87	84	82	74	72	70	62	60	59	51	50	49	44				
2	90	83	78	73	83	77	72	68	66	62	59	55	53	51	46	44	42	38				
3	83	74	67	62	76	69	63	58	59	54	51	50	47	44	41	39	37	33				
4	76	66	59	53	70	62	55	50	53	48	44	45	41	38	37	35	33	29				
5	70	59	52	46	65	55	49	44	48	43	39	41	37	34	34	31	29	26				
6	65	54	46	41	60	50	43	38	44	38	34	37	33	30	31	28	26	23				
7	61	49	41	36	56	46	39	34	40	34	31	34	30	27	29	26	24	21				
8	56	45	37	32	52	42	35	31	37	31	28	32	27	25	27	24	22	19				
9	53	41	34	29	49	38	32	28	34	29	25	29	25	22	25	22	20	18				
10	49	38	31	26	46	36	29	25	31	26	23	27	23	20	23	20	18	16				

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	2.7
10°-20°	504.4	7.6
20°-30°	650.0	9.8
30°-40°	617.7	9.3
40°-50°	529.1	8.0
50°-60°	402.9	6.1
60°-70°	254.7	3.9
70°-80°	127.2	1.9
80°-90°	37.8	0.6
90°-100°	74.9	1.1
100°-110°	232.7	3.5
110°-120°	397.8	6.0
120°-130°	523.2	7.9
130°-140°	587.2	8.9
140°-150°	575.7	8.7
150°-160°	482.9	7.3
160°-170°	320.3	4.8
170°-180°	111.9	1.7
0°-30°	1335.4	20.2
0°-40°	1953.1	29.5
0°-60°	2885.1	43.6
0°-90°	3304.9	50.0
90°-120°	705.5	10.7
90°-150°	2391.6	36.2
90°-180°	3307.0	50.0
0°-180°	6611.6	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	27
90°	34	1	34	1	34	16
95°	62	52	62	52	62	69
105°	222	215	222	215	222	233
115°	399	399	399	399	399	394
125°	583	581	583	581	583	520
135°	760	752	760	752	760	585
145°	922	912	922	912	922	576
155°	1051	1043	1051	1043	1051	484
165°	1136	1135	1136	1135	1136	320
175°	1177	1181	1177	1181	1177	112
180°	1183	1183	1183	1183	1183	



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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°	15.3	15.8	15.7	15.7	15.6	15.7	15.7	16.4	15.9	16.5	15.0
90°	33.9	33.7	33.5	33.3	33.0	33.2	33.6	34.0	34.5	34.9	30.0
92.5°	32.3	32.3	32.2	32.2	32.2	32.1	32.0	31.9	31.8	31.7	30.6
95°	61.9	62.3	62.8	63.2	63.6	63.9	63.9	63.9	63.9	63.9	63.4
97.5°	107.2	107.2	107.3	107.3	107.4	107.4	107.4	107.4	107.4	107.4	106.5
100°	136.7	136.9	137.2	137.4	137.6	137.7	137.7	137.7	137.7	137.7	137.1
102.5°	170.3	170.5	170.7	170.9	171.1	171.2	171.0	170.8	170.6	170.5	169.6
105°	221.5	221.5	221.5	221.5	221.5	221.3	220.9	220.4	220.0	219.5	219.1
107.5°	269.8	270.9	271.9	272.9	273.9	274.3	274.2	274.0	273.8	273.6	273.6
110°	307.4	308.0	308.7	309.4	310.0	310.4	310.4	310.4	310.4	310.4	310.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	343.3	343.8	344.3	344.8	345.2	345.8	346.3	346.8	347.4	347.9	348.1
115°	399.2	399.8	400.5	401.2	401.8	402.3	402.5	402.7	403.0	403.2	403.6
117.5°	452.5	453.1	453.8	454.5	455.1	455.7	456.3	456.8	457.3	457.9	459.1
120°	490.0	490.7	491.3	492.0	492.7	493.0	493.0	493.0	493.0	493.0	494.8
122.5°	526.7	527.2	527.7	528.2	528.7	529.2	529.7	530.2	530.8	531.3	532.6
125°	582.8	583.0	583.2	583.5	583.7	584.1	584.8	585.5	586.1	586.8	587.5
127.5°	633.9	634.6	635.3	636.0	636.7	637.5	638.3	639.1	639.9	640.7	641.5
130°	670.6	671.5	672.4	673.3	674.2	674.8	675.3	675.7	676.2	676.6	677.1
132.5°	705.8	706.5	707.2	707.9	708.6	709.4	710.4	711.4	712.4	713.3	713.2
135°	760.4	761.1	761.8	762.4	763.1	763.5	763.8	764.0	764.2	764.4	764.0
137.5°	809.9	810.8	811.7	812.6	813.5	814.0	814.2	814.4	814.6	814.7	814.2
140°	844.3	845.2	846.0	846.9	847.8	848.3	848.3	848.3	848.3	848.3	847.2
142.5°	875.4	876.3	877.2	878.1	879.0	879.3	879.1	879.0	878.8	878.6	877.8
145°	922.1	923.0	923.9	924.8	925.7	926.0	925.8	925.5	925.3	925.1	923.8
147.5°	963.8	964.7	965.5	966.4	967.2	967.4	966.9	966.4	965.9	965.4	964.5
150°	991.0	991.6	992.3	993.0	993.6	993.6	993.0	992.3	991.6	991.0	990.1
152.5°	1016.5	1017.4	1018.2	1019.0	1019.9	1019.9	1019.0	1018.2	1017.4	1016.5	1015.4
155°	1050.8	1051.5	1052.2	1052.8	1053.5	1053.3	1052.2	1051.1	1050.0	1048.8	1048.2
157.5°	1080.4	1081.4	1082.5	1083.6	1084.6	1084.4	1082.9	1081.4	1079.9	1078.4	1078.0
160°	1098.7	1099.6	1100.5	1101.4	1102.3	1102.1	1100.7	1099.4	1098.1	1096.7	1096.5
162.5°	1114.7	1115.8	1116.8	1117.9	1119.0	1118.7	1117.2	1115.7	1114.2	1112.7	1112.5
165°	1135.7	1136.8	1137.9	1139.0	1140.1	1139.9	1138.3	1136.8	1135.2	1133.7	1133.7
167.5°	1152.8	1154.0	1155.1	1156.3	1157.4	1157.2	1155.7	1154.1	1152.6	1151.0	1151.1
170°	1161.6	1162.9	1164.3	1165.6	1166.9	1166.8	1165.3	1163.7	1162.2	1160.6	1160.8
172.5°	1168.8	1170.1	1171.5	1172.8	1174.1	1174.0	1172.5	1170.9	1169.4	1167.8	1168.0
175°	1176.6	1177.9	1179.2	1180.6	1181.9	1181.8	1180.2	1178.7	1177.1	1175.6	1176.0
177.5°	1180.2	1181.2	1182.3	1183.4	1184.4	1184.4	1183.4	1182.3	1181.2	1180.2	1180.5
180°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6



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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°	14.1	13.6	12.6	11.4	11.4	11.3	13.5	15.6	14.0	12.9	12.4
90°	25.2	20.3	15.4	11.6	9.0	6.3	3.7	1.0	3.7	6.3	9.0
92.5°	29.4	28.3	27.1	25.6	23.6	21.7	19.7	17.8	19.7	21.7	23.6
95°	63.0	62.5	62.1	60.8	58.5	56.3	54.1	51.9	54.1	56.3	58.5
97.5°	105.7	104.9	104.0	102.6	100.7	98.7	96.8	94.8	96.8	98.7	100.7
100°	136.4	135.7	135.1	133.8	132.1	130.3	128.5	126.7	128.5	130.3	132.1
102.5°	168.8	167.9	167.1	165.9	164.5	163.1	161.7	160.3	161.7	163.1	164.5
105°	218.7	218.2	217.8	217.2	216.6	215.9	215.2	214.6	215.2	215.9	216.6
107.5°	273.6	273.6	273.6	273.2	272.2	271.2	270.2	269.2	270.2	271.2	272.2
110°	310.4	310.4	310.4	309.7	308.4	307.0	305.7	304.4	305.7	307.0	308.4



TEST NUMBER: P331724

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	348.2	348.4	348.6	348.0	346.7	345.4	344.0	342.7	344.0	345.4	346.7
115°	404.1	404.5	404.9	404.5	403.2	401.8	400.5	399.2	400.5	401.8	403.2
117.5°	460.3	461.6	462.8	462.6	460.8	459.0	457.2	455.5	457.2	459.0	460.8
120°	496.5	498.3	500.1	500.1	498.3	496.5	494.8	493.0	494.8	496.5	498.3
122.5°	533.8	535.0	536.3	535.8	533.7	531.6	529.4	527.3	529.4	531.6	533.7
125°	588.1	588.8	589.5	588.8	586.8	584.8	582.8	580.8	582.8	584.8	586.8
127.5°	642.3	643.1	643.9	643.0	640.5	638.0	635.4	632.9	635.4	638.0	640.5
130°	677.5	677.9	678.4	677.2	674.3	671.4	668.5	665.6	668.5	671.4	674.3
132.5°	713.2	713.1	713.0	711.8	709.4	707.1	704.7	702.4	704.7	707.1	709.4
135°	763.5	763.1	762.7	761.2	758.8	756.3	753.9	751.5	753.9	756.3	758.8
137.5°	813.6	813.0	812.4	811.1	809.1	807.1	805.1	803.2	805.1	807.1	809.1
140°	846.0	844.9	843.8	842.3	840.3	838.3	836.3	834.3	836.3	838.3	840.3
142.5°	877.1	876.3	875.6	874.2	872.2	870.2	868.2	866.2	868.2	870.2	872.2
145°	922.4	921.1	919.8	918.3	916.8	915.2	913.7	912.1	913.7	915.2	916.8
147.5°	963.6	962.8	961.9	960.5	958.6	956.8	954.9	953.0	954.9	956.8	958.6
150°	989.2	988.3	987.4	986.3	985.0	983.6	982.3	981.0	982.3	983.6	985.0
152.5°	1014.4	1013.3	1012.3	1011.1	1009.7	1008.4	1007.1	1005.7	1007.1	1008.4	1009.7
155°	1047.5	1046.9	1046.2	1045.5	1044.9	1044.2	1043.5	1042.9	1043.5	1044.2	1044.9
157.5°	1077.6	1077.2	1076.8	1076.4	1075.9	1075.5	1075.0	1074.6	1075.0	1075.5	1075.9
160°	1096.3	1096.1	1095.9	1095.5	1095.1	1094.6	1094.2	1093.8	1094.2	1094.6	1095.1
162.5°	1112.3	1112.1	1111.8	1111.7	1111.6	1111.5	1111.4	1111.3	1111.4	1111.5	1111.6
165°	1133.7	1133.7	1133.7	1133.8	1134.0	1134.2	1134.5	1134.7	1134.5	1134.2	1134.0
167.5°	1151.1	1151.2	1151.2	1151.6	1152.2	1152.9	1153.6	1154.2	1153.6	1152.9	1152.2
170°	1161.1	1161.3	1161.5	1161.9	1162.6	1163.3	1163.9	1164.6	1163.9	1163.3	1162.6
172.5°	1168.2	1168.5	1168.7	1169.1	1169.8	1170.5	1171.1	1171.8	1171.1	1170.5	1169.8
175°	1176.5	1176.9	1177.4	1177.9	1178.6	1179.2	1179.9	1180.6	1179.9	1179.2	1178.6
177.5°	1180.9	1181.2	1181.6	1182.0	1182.6	1183.1	1183.6	1184.2	1183.6	1183.1	1182.6
180°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6



TEST NUMBER: P331724

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A1

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°	12.4	12.6	12.6	13.5	14.5	14.9	14.9	14.2	14.2	14.1	13.5
90°	11.6	15.4	20.3	25.2	30.0	34.9	34.5	34.0	33.6	33.2	33.0
92.5°	25.6	27.1	28.3	29.4	30.6	31.7	31.8	31.9	32.0	32.1	32.2
95°	60.8	62.1	62.5	63.0	63.4	63.9	63.9	63.9	63.9	63.9	63.6
97.5°	102.6	104.0	104.9	105.7	106.5	107.4	107.4	107.4	107.4	107.4	107.4
100°	133.8	135.1	135.7	136.4	137.1	137.7	137.7	137.7	137.7	137.7	137.6
102.5°	165.9	167.1	167.9	168.8	169.6	170.5	170.6	170.8	171.0	171.2	171.1
105°	217.2	217.8	218.2	218.7	219.1	219.5	220.0	220.4	220.9	221.3	221.5
107.5°	273.2	273.6	273.6	273.6	273.6	273.6	273.8	274.0	274.2	274.3	273.9
110°	309.7	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.4	310.0



TEST NUMBER: P331724

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	348.0	348.6	348.4	348.2	348.1	347.9	347.4	346.8	346.3	345.8	345.2
115°	404.5	404.9	404.5	404.1	403.6	403.2	403.0	402.7	402.5	402.3	401.8
117.5°	462.6	462.8	461.6	460.3	459.1	457.9	457.3	456.8	456.3	455.7	455.1
120°	500.1	500.1	498.3	496.5	494.8	493.0	493.0	493.0	493.0	493.0	492.7
122.5°	535.8	536.3	535.0	533.8	532.6	531.3	530.8	530.2	529.7	529.2	528.7
125°	588.8	589.5	588.8	588.1	587.5	586.8	586.1	585.5	584.8	584.1	583.7
127.5°	643.0	643.9	643.1	642.3	641.5	640.7	639.9	639.1	638.3	637.5	636.7
130°	677.2	678.4	677.9	677.5	677.1	676.6	676.2	675.7	675.3	674.8	674.2
132.5°	711.8	713.0	713.1	713.2	713.2	713.3	712.4	711.4	710.4	709.4	708.6
135°	761.2	762.7	763.1	763.5	764.0	764.4	764.2	764.0	763.8	763.5	763.1
137.5°	811.1	812.4	813.0	813.6	814.2	814.7	814.6	814.4	814.2	814.0	813.5
140°	842.3	843.8	844.9	846.0	847.2	848.3	848.3	848.3	848.3	848.3	847.8
142.5°	874.2	875.6	876.3	877.1	877.8	878.6	878.8	879.0	879.1	879.3	879.0
145°	918.3	919.8	921.1	922.4	923.8	925.1	925.3	925.5	925.8	926.0	925.7
147.5°	960.5	961.9	962.8	963.6	964.5	965.4	965.9	966.4	966.9	967.4	967.2
150°	986.3	987.4	988.3	989.2	990.1	991.0	991.6	992.3	993.0	993.6	993.6
152.5°	1011.1	1012.3	1013.3	1014.4	1015.4	1016.5	1017.4	1018.2	1019.0	1019.9	1019.9
155°	1045.5	1046.2	1046.9	1047.5	1048.2	1048.8	1050.0	1051.1	1052.2	1053.3	1053.5
157.5°	1076.4	1076.8	1077.2	1077.6	1078.0	1078.4	1079.9	1081.4	1082.9	1084.4	1084.6
160°	1095.5	1095.9	1096.1	1096.3	1096.5	1096.7	1098.1	1099.4	1100.7	1102.1	1102.3
162.5°	1111.7	1111.8	1112.1	1112.3	1112.5	1112.7	1114.2	1115.7	1117.2	1118.7	1119.0
165°	1133.8	1133.7	1133.7	1133.7	1133.7	1133.7	1135.2	1136.8	1138.3	1139.9	1140.1
167.5°	1151.6	1151.2	1151.2	1151.1	1151.1	1151.0	1152.6	1154.1	1155.7	1157.2	1157.4
170°	1161.9	1161.5	1161.3	1161.1	1160.8	1160.6	1162.2	1163.7	1165.3	1166.8	1166.9
172.5°	1169.1	1168.7	1168.5	1168.2	1168.0	1167.8	1169.4	1170.9	1172.5	1174.0	1174.1
175°	1177.9	1177.4	1176.9	1176.5	1176.0	1175.6	1177.1	1178.7	1180.2	1181.8	1181.9
177.5°	1182.0	1181.6	1181.2	1180.9	1180.5	1180.2	1181.2	1182.3	1183.4	1184.4	1184.4
180°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6



TEST NUMBER: P331724

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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°	13.6	13.1	13.6	13.2	13.6	13.1	13.6	13.5	14.1	14.2	14.2
90°	33.3	33.5	33.7	33.9	33.7	33.5	33.3	33.0	33.2	33.6	34.0
92.5°	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.2	32.1	32.0	31.9
95°	63.2	62.8	62.3	61.9	62.3	62.8	63.2	63.6	63.9	63.9	63.9
97.5°	107.3	107.3	107.2	107.2	107.2	107.3	107.3	107.4	107.4	107.4	107.4
100°	137.4	137.2	136.9	136.7	136.9	137.2	137.4	137.6	137.7	137.7	137.7
102.5°	170.9	170.7	170.5	170.3	170.5	170.7	170.9	171.1	171.2	171.0	170.8
105°	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.5	221.3	220.9	220.4
107.5°	272.9	271.9	270.9	269.8	270.9	271.9	272.9	273.9	274.3	274.2	274.0
110°	309.4	308.7	308.0	307.4	308.0	308.7	309.4	310.0	310.4	310.4	310.4



TEST NUMBER: P331724

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	344.8	344.3	343.8	343.3	343.8	344.3	344.8	345.2	345.8	346.3	346.8
115°	401.2	400.5	399.8	399.2	399.8	400.5	401.2	401.8	402.3	402.5	402.7
117.5°	454.5	453.8	453.1	452.5	453.1	453.8	454.5	455.1	455.7	456.3	456.8
120°	492.0	491.3	490.7	490.0	490.7	491.3	492.0	492.7	493.0	493.0	493.0
122.5°	528.2	527.7	527.2	526.7	527.2	527.7	528.2	528.7	529.2	529.7	530.2
125°	583.5	583.2	583.0	582.8	583.0	583.2	583.5	583.7	584.1	584.8	585.5
127.5°	636.0	635.3	634.6	633.9	634.6	635.3	636.0	636.7	637.5	638.3	639.1
130°	673.3	672.4	671.5	670.6	671.5	672.4	673.3	674.2	674.8	675.3	675.7
132.5°	707.9	707.2	706.5	705.8	706.5	707.2	707.9	708.6	709.4	710.4	711.4
135°	762.4	761.8	761.1	760.4	761.1	761.8	762.4	763.1	763.5	763.8	764.0
137.5°	812.6	811.7	810.8	809.9	810.8	811.7	812.6	813.5	814.0	814.2	814.4
140°	846.9	846.0	845.2	844.3	845.2	846.0	846.9	847.8	848.3	848.3	848.3
142.5°	878.1	877.2	876.3	875.4	876.3	877.2	878.1	879.0	879.3	879.1	879.0
145°	924.8	923.9	923.0	922.1	923.0	923.9	924.8	925.7	926.0	925.8	925.5
147.5°	966.4	965.5	964.7	963.8	964.7	965.5	966.4	967.2	967.4	966.9	966.4
150°	993.0	992.3	991.6	991.0	991.6	992.3	993.0	993.6	993.6	993.0	992.3
152.5°	1019.0	1018.2	1017.4	1016.5	1017.4	1018.2	1019.0	1019.9	1019.9	1019.0	1018.2
155°	1052.8	1052.2	1051.5	1050.8	1051.5	1052.2	1052.8	1053.5	1053.3	1052.2	1051.1
157.5°	1083.6	1082.5	1081.4	1080.4	1081.4	1082.5	1083.6	1084.6	1084.4	1082.9	1081.4
160°	1101.4	1100.5	1099.6	1098.7	1099.6	1100.5	1101.4	1102.3	1102.1	1100.7	1099.4
162.5°	1117.9	1116.8	1115.8	1114.7	1115.8	1116.8	1117.9	1119.0	1118.7	1117.2	1115.7
165°	1139.0	1137.9	1136.8	1135.7	1136.8	1137.9	1139.0	1140.1	1139.9	1138.3	1136.8
167.5°	1156.3	1155.1	1154.0	1152.8	1154.0	1155.1	1156.3	1157.4	1157.2	1155.7	1154.1
170°	1165.6	1164.3	1162.9	1161.6	1162.9	1164.3	1165.6	1166.9	1166.8	1165.3	1163.7
172.5°	1172.8	1171.5	1170.1	1168.8	1170.1	1171.5	1172.8	1174.1	1174.0	1172.5	1170.9
175°	1180.6	1179.2	1177.9	1176.6	1177.9	1179.2	1180.6	1181.9	1181.8	1180.2	1178.7
177.5°	1183.4	1182.3	1181.2	1180.2	1181.2	1182.3	1183.4	1184.4	1184.4	1183.4	1182.3
180°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6



TEST NUMBER: P331724

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A1

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°	14.9	14.9	14.5	13.5	12.6	12.6	12.4	12.4	12.9	14.0	15.6
90°	34.5	34.9	30.0	25.2	20.3	15.4	11.6	9.0	6.3	3.7	1.0
92.5°	31.8	31.7	30.6	29.4	28.3	27.1	25.6	23.6	21.7	19.7	17.8
95°	63.9	63.9	63.4	63.0	62.5	62.1	60.8	58.5	56.3	54.1	51.9
97.5°	107.4	107.4	106.5	105.7	104.9	104.0	102.6	100.7	98.7	96.8	94.8
100°	137.7	137.7	137.1	136.4	135.7	135.1	133.8	132.1	130.3	128.5	126.7
102.5°	170.6	170.5	169.6	168.8	167.9	167.1	165.9	164.5	163.1	161.7	160.3
105°	220.0	219.5	219.1	218.7	218.2	217.8	217.2	216.6	215.9	215.2	214.6
107.5°	273.8	273.6	273.6	273.6	273.6	273.6	273.2	272.2	271.2	270.2	269.2
110°	310.4	310.4	310.4	310.4	310.4	310.4	309.7	308.4	307.0	305.7	304.4



TEST NUMBER: P331724

CATALOG NUMBER: SA2XXRDIP-C865D925U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	347.4	347.9	348.1	348.2	348.4	348.6	348.0	346.7	345.4	344.0	342.7
115°	403.0	403.2	403.6	404.1	404.5	404.9	404.5	403.2	401.8	400.5	399.2
117.5°	457.3	457.9	459.1	460.3	461.6	462.8	462.6	460.8	459.0	457.2	455.5
120°	493.0	493.0	494.8	496.5	498.3	500.1	500.1	498.3	496.5	494.8	493.0
122.5°	530.8	531.3	532.6	533.8	535.0	536.3	535.8	533.7	531.6	529.4	527.3
125°	586.1	586.8	587.5	588.1	588.8	589.5	588.8	586.8	584.8	582.8	580.8
127.5°	639.9	640.7	641.5	642.3	643.1	643.9	643.0	640.5	638.0	635.4	632.9
130°	676.2	676.6	677.1	677.5	677.9	678.4	677.2	674.3	671.4	668.5	665.6
132.5°	712.4	713.3	713.2	713.2	713.1	713.0	711.8	709.4	707.1	704.7	702.4
135°	764.2	764.4	764.0	763.5	763.1	762.7	761.2	758.8	756.3	753.9	751.5
137.5°	814.6	814.7	814.2	813.6	813.0	812.4	811.1	809.1	807.1	805.1	803.2
140°	848.3	848.3	847.2	846.0	844.9	843.8	842.3	840.3	838.3	836.3	834.3
142.5°	878.8	878.6	877.8	877.1	876.3	875.6	874.2	872.2	870.2	868.2	866.2
145°	925.3	925.1	923.8	922.4	921.1	919.8	918.3	916.8	915.2	913.7	912.1
147.5°	965.9	965.4	964.5	963.6	962.8	961.9	960.5	958.6	956.8	954.9	953.0
150°	991.6	991.0	990.1	989.2	988.3	987.4	986.3	985.0	983.6	982.3	981.0
152.5°	1017.4	1016.5	1015.4	1014.4	1013.3	1012.3	1011.1	1009.7	1008.4	1007.1	1005.7
155°	1050.0	1048.8	1048.2	1047.5	1046.9	1046.2	1045.5	1044.9	1044.2	1043.5	1042.9
157.5°	1079.9	1078.4	1078.0	1077.6	1077.2	1076.8	1076.4	1075.9	1075.5	1075.0	1074.6
160°	1098.1	1096.7	1096.5	1096.3	1096.1	1095.9	1095.5	1095.1	1094.6	1094.2	1093.8
162.5°	1114.2	1112.7	1112.5	1112.3	1112.1	1111.8	1111.7	1111.6	1111.5	1111.4	1111.3
165°	1135.2	1133.7	1133.7	1133.7	1133.7	1133.7	1133.8	1134.0	1134.2	1134.5	1134.7
167.5°	1152.6	1151.0	1151.1	1151.1	1151.2	1151.2	1151.6	1152.2	1152.9	1153.6	1154.2
170°	1162.2	1160.6	1160.8	1161.1	1161.3	1161.5	1161.9	1162.6	1163.3	1163.9	1164.6
172.5°	1169.4	1167.8	1168.0	1168.2	1168.5	1168.7	1169.1	1169.8	1170.5	1171.1	1171.8
175°	1177.1	1175.6	1176.0	1176.5	1176.9	1177.4	1177.9	1178.6	1179.2	1179.9	1180.6
177.5°	1181.2	1180.2	1180.5	1180.9	1181.2	1181.6	1182.0	1182.6	1183.1	1183.6	1184.2
180°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6



TEST NUMBER: P331724

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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°	13.5	11.3	11.4	11.4	12.6	13.6	14.1	15.0	16.5	15.9	16.4
90°	3.7	6.3	9.0	11.6	15.4	20.3	25.2	30.0	34.9	34.5	34.0
92.5°	19.7	21.7	23.6	25.6	27.1	28.3	29.4	30.6	31.7	31.8	31.9
95°	54.1	56.3	58.5	60.8	62.1	62.5	63.0	63.4	63.9	63.9	63.9
97.5°	96.8	98.7	100.7	102.6	104.0	104.9	105.7	106.5	107.4	107.4	107.4
100°	128.5	130.3	132.1	133.8	135.1	135.7	136.4	137.1	137.7	137.7	137.7
102.5°	161.7	163.1	164.5	165.9	167.1	167.9	168.8	169.6	170.5	170.6	170.8
105°	215.2	215.9	216.6	217.2	217.8	218.2	218.7	219.1	219.5	220.0	220.4
107.5°	270.2	271.2	272.2	273.2	273.6	273.6	273.6	273.6	273.6	273.8	274.0
110°	305.7	307.0	308.4	309.7	310.4	310.4	310.4	310.4	310.4	310.4	310.4



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	344.0	345.4	346.7	348.0	348.6	348.4	348.2	348.1	347.9	347.4	346.8
115°	400.5	401.8	403.2	404.5	404.9	404.5	404.1	403.6	403.2	403.0	402.7
117.5°	457.2	459.0	460.8	462.6	462.8	461.6	460.3	459.1	457.9	457.3	456.8
120°	494.8	496.5	498.3	500.1	500.1	498.3	496.5	494.8	493.0	493.0	493.0
122.5°	529.4	531.6	533.7	535.8	536.3	535.0	533.8	532.6	531.3	530.8	530.2
125°	582.8	584.8	586.8	588.8	589.5	588.8	588.1	587.5	586.8	586.1	585.5
127.5°	635.4	638.0	640.5	643.0	643.9	643.1	642.3	641.5	640.7	639.9	639.1
130°	668.5	671.4	674.3	677.2	678.4	677.9	677.5	677.1	676.6	676.2	675.7
132.5°	704.7	707.1	709.4	711.8	713.0	713.1	713.2	713.2	713.3	712.4	711.4
135°	753.9	756.3	758.8	761.2	762.7	763.1	763.5	764.0	764.4	764.2	764.0
137.5°	805.1	807.1	809.1	811.1	812.4	813.0	813.6	814.2	814.7	814.6	814.4
140°	836.3	838.3	840.3	842.3	843.8	844.9	846.0	847.2	848.3	848.3	848.3
142.5°	868.2	870.2	872.2	874.2	875.6	876.3	877.1	877.8	878.6	878.8	879.0
145°	913.7	915.2	916.8	918.3	919.8	921.1	922.4	923.8	925.1	925.3	925.5
147.5°	954.9	956.8	958.6	960.5	961.9	962.8	963.6	964.5	965.4	965.9	966.4
150°	982.3	983.6	985.0	986.3	987.4	988.3	989.2	990.1	991.0	991.6	992.3
152.5°	1007.1	1008.4	1009.7	1011.1	1012.3	1013.3	1014.4	1015.4	1016.5	1017.4	1018.2
155°	1043.5	1044.2	1044.9	1045.5	1046.2	1046.9	1047.5	1048.2	1048.8	1050.0	1051.1
157.5°	1075.0	1075.5	1075.9	1076.4	1076.8	1077.2	1077.6	1078.0	1078.4	1079.9	1081.4
160°	1094.2	1094.6	1095.1	1095.5	1095.9	1096.1	1096.3	1096.5	1096.7	1098.1	1099.4
162.5°	1111.4	1111.5	1111.6	1111.7	1111.8	1112.1	1112.3	1112.5	1112.7	1114.2	1115.7
165°	1134.5	1134.2	1134.0	1133.8	1133.7	1133.7	1133.7	1133.7	1133.7	1135.2	1136.8
167.5°	1153.6	1152.9	1152.2	1151.6	1151.2	1151.2	1151.1	1151.1	1151.0	1152.6	1154.1
170°	1163.9	1163.3	1162.6	1161.9	1161.5	1161.3	1161.1	1160.8	1160.6	1162.2	1163.7
172.5°	1171.1	1170.5	1169.8	1169.1	1168.7	1168.5	1168.2	1168.0	1167.8	1169.4	1170.9
175°	1179.9	1179.2	1178.6	1177.9	1177.4	1176.9	1176.5	1176.0	1175.6	1177.1	1178.7
177.5°	1183.6	1183.1	1182.6	1182.0	1181.6	1181.2	1180.9	1180.5	1180.2	1181.2	1182.3
180°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6



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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°	15.7	15.7	15.6	15.7	15.7	15.8	15.3
90°	33.6	33.2	33.0	33.3	33.5	33.7	33.9
92.5°	32.0	32.1	32.2	32.2	32.2	32.3	32.3
95°	63.9	63.9	63.6	63.2	62.8	62.3	61.9
97.5°	107.4	107.4	107.4	107.3	107.3	107.2	107.2
100°	137.7	137.7	137.6	137.4	137.2	136.9	136.7
102.5°	171.0	171.2	171.1	170.9	170.7	170.5	170.3
105°	220.9	221.3	221.5	221.5	221.5	221.5	221.5
107.5°	274.2	274.3	273.9	272.9	271.9	270.9	269.8
110°	310.4	310.4	310.0	309.4	308.7	308.0	307.4



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	346.3	345.8	345.2	344.8	344.3	343.8	343.3
115°	402.5	402.3	401.8	401.2	400.5	399.8	399.2
117.5°	456.3	455.7	455.1	454.5	453.8	453.1	452.5
120°	493.0	493.0	492.7	492.0	491.3	490.7	490.0
122.5°	529.7	529.2	528.7	528.2	527.7	527.2	526.7
125°	584.8	584.1	583.7	583.5	583.2	583.0	582.8
127.5°	638.3	637.5	636.7	636.0	635.3	634.6	633.9
130°	675.3	674.8	674.2	673.3	672.4	671.5	670.6
132.5°	710.4	709.4	708.6	707.9	707.2	706.5	705.8
135°	763.8	763.5	763.1	762.4	761.8	761.1	760.4
137.5°	814.2	814.0	813.5	812.6	811.7	810.8	809.9
140°	848.3	848.3	847.8	846.9	846.0	845.2	844.3
142.5°	879.1	879.3	879.0	878.1	877.2	876.3	875.4
145°	925.8	926.0	925.7	924.8	923.9	923.0	922.1
147.5°	966.9	967.4	967.2	966.4	965.5	964.7	963.8
150°	993.0	993.6	993.6	993.0	992.3	991.6	991.0
152.5°	1019.0	1019.9	1019.9	1019.0	1018.2	1017.4	1016.5
155°	1052.2	1053.3	1053.5	1052.8	1052.2	1051.5	1050.8
157.5°	1082.9	1084.4	1084.6	1083.6	1082.5	1081.4	1080.4
160°	1100.7	1102.1	1102.3	1101.4	1100.5	1099.6	1098.7
162.5°	1117.2	1118.7	1119.0	1117.9	1116.8	1115.8	1114.7
165°	1138.3	1139.9	1140.1	1139.0	1137.9	1136.8	1135.7
167.5°	1155.7	1157.2	1157.4	1156.3	1155.1	1154.0	1152.8
170°	1165.3	1166.8	1166.9	1165.6	1164.3	1162.9	1161.6
172.5°	1172.5	1174.0	1174.1	1172.8	1171.5	1170.1	1168.8
175°	1180.2	1181.8	1181.9	1180.6	1179.2	1177.9	1176.6
177.5°	1183.4	1184.4	1184.4	1183.4	1182.3	1181.2	1180.2
180°	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6	1182.6

(END OF REPORT)