

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: P331724-935

Luminaire Tested: **SA2XXRDIP-C865D925U935-4F0-1E-UDD-A1**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331724-935  
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-C865D925U935-4F0-1E-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**

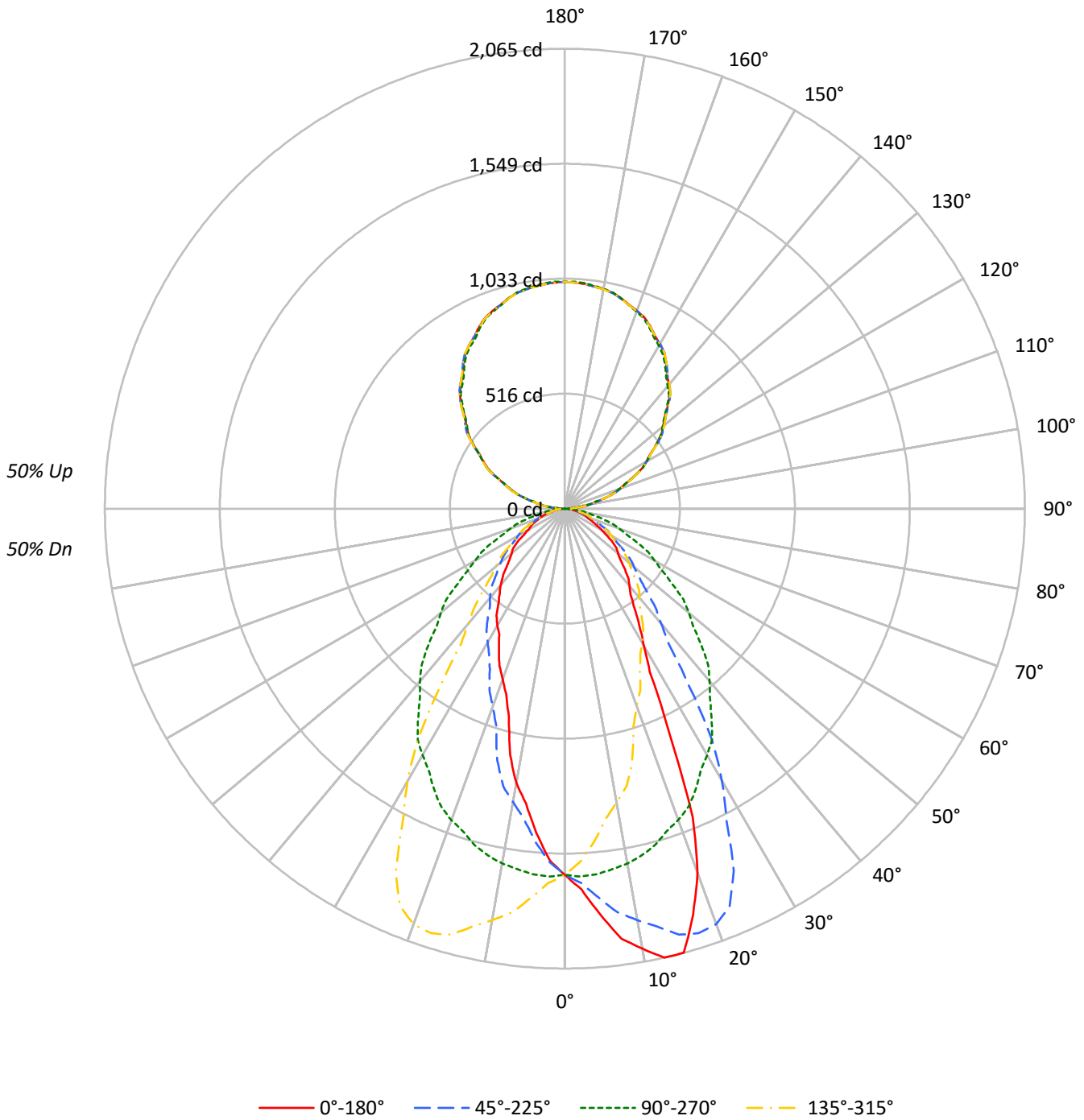
Lumens per Lamp: N/A  
Luminaire Lumens: 5692.6 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

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	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°	26547	26547	26547	26547
5°	29648	26712	23686	26712
10°	32893	26525	20530	26525
15°	34511	26136	16177	26136
20°	29919	25560	13998	25560
25°	19621	24772	12497	24772
30°	13207	23815	11311	23815
35°	10697	22610	10200	22610
40°	9512	21300	9440	21300
45°	8608	19763	8426	19763
50°	7834	18239	7804	18239
55°	7367	16549	7268	16549
60°	6161	14996	6090	14996
65°	5196	13620	5891	13620
70°	4801	12161	5556	12161
75°	4492	10586	5128	10586
80°	4147	8712	4575	8712
85°	3816	6873	4020	6873



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.9	2.7
10°-20°	434.3	7.6
20°-30°	559.6	9.8
30°-40°	531.8	9.3
40°-50°	455.6	8.0
50°-60°	346.9	6.1
60°-70°	219.3	3.9
70°-80°	109.5	1.9
80°-90°	32.6	0.6
90°-100°	64.5	1.1
100°-110°	200.4	3.5
110°-120°	342.5	6.0
120°-130°	450.4	7.9
130°-140°	505.6	8.9
140°-150°	495.7	8.7
150°-160°	415.8	7.3
160°-170°	275.8	4.8
170°-180°	96.4	1.7
0°-30°	1149.8	20.2
0°-40°	1681.6	29.5
0°-60°	2484.1	43.6
0°-90°	2845.5	50.0
90°-120°	607.4	10.7
90°-150°	2059.1	36.2
90°-180°	2847.0	50.0
0°-180°	5692.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1829	1648	1461	1648	1829	181
15°	2065	1564	968	1564	2065	557
25°	1101	1390	702	1390	1101	523
35°	543	1147	518	1147	543	347
45°	377	866	369	866	377	292
55°	262	588	258	588	262	230
65°	136	356	154	356	136	138
75°	72	170	82	170	72	76
85°	21	37	22	37	21	23
90°	29	1	29	1	29	14
95°	53	45	53	45	53	59
105°	191	185	191	185	191	201
115°	344	344	344	344	344	339
125°	502	500	502	500	502	447
135°	655	647	655	647	655	504
145°	794	785	794	785	794	496
155°	905	898	905	898	905	416
165°	978	977	978	977	978	276
175°	1013	1016	1013	1016	1013	96
180°	1018	1018	1018	1018	1018	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1710.9	1712.3	1713.6	1710.4	1710.4	1707.7	1701.8	1697.2	1684.4	1682.6	1682.6
5°	1829.3	1828.1	1830.4	1823.0	1812.7	1810.4	1799.6	1785.3	1770.4	1753.9	1750.4
7.5°	1946.9	1945.2	1940.6	1939.4	1931.5	1914.3	1896.8	1878.2	1853.5	1829.4	1817.2
10°	2006.3	2025.2	2013.8	1993.7	1997.8	1970.9	1956.6	1932.1	1911.5	1875.5	1867.5
12.5°	2064.9	2072.3	2068.6	2057.3	2052.2	2033.5	2014.2	1992.9	1954.9	1922.6	1894.5
15°	2064.6	2075.4	2078.3	2074.9	2077.8	2076.6	2066.3	2048.6	2015.5	1980.0	1949.2
17.5°	1912.2	1919.8	1938.5	1951.1	1967.1	2001.0	2017.7	2024.1	2019.2	1999.0	1977.3
20°	1741.3	1728.7	1781.2	1808.1	1830.9	1888.1	1937.2	1956.1	1986.3	1985.8	1980.0
22.5°	1499.0	1502.0	1551.9	1583.7	1650.5	1707.5	1763.6	1834.5	1893.1	1931.8	1954.5
25°	1101.4	1123.2	1172.9	1216.2	1290.6	1396.8	1493.3	1605.3	1711.0	1794.4	1873.8
27.5°	827.2	828.8	868.2	908.4	952.4	1039.5	1161.1	1294.8	1445.4	1569.8	1712.8
30°	708.4	705.0	721.5	746.1	783.8	851.2	942.6	1074.0	1224.3	1411.6	1578.5
32.5°	624.3	624.5	637.0	655.1	686.5	731.9	794.5	901.3	1043.3	1227.4	1423.1
35°	542.7	542.2	551.3	564.4	577.6	606.7	649.5	705.5	803.2	975.2	1175.1
37.5°	484.2	486.7	491.2	499.4	513.9	530.1	555.9	593.5	663.1	764.7	932.8
40°	451.3	452.5	458.7	465.6	474.2	486.7	507.9	538.1	589.0	670.1	792.9
42.5°	421.1	422.3	426.7	433.2	439.9	452.5	469.9	496.1	537.4	600.6	702.0
45°	377.0	377.0	381.1	383.9	391.3	402.8	417.1	438.8	467.3	514.2	581.6
47.5°	335.7	335.8	338.5	343.4	348.0	357.0	371.0	388.7	409.5	445.7	503.3
50°	311.9	312.5	314.2	318.2	321.1	329.1	339.9	355.3	377.0	405.0	453.1
52.5°	292.7	292.4	294.5	296.3	298.3	303.9	312.0	325.6	345.1	369.4	409.1
55°	261.7	259.3	262.8	265.6	267.3	269.7	274.2	282.8	299.4	319.9	349.7
57.5°	222.8	221.9	224.3	226.9	232.3	238.4	242.4	247.8	256.4	271.1	300.6
60°	190.8	190.8	196.0	197.7	204.0	212.0	220.0	224.5	233.1	242.8	264.5
62.5°	162.5	162.9	165.3	167.0	170.6	180.4	191.6	201.6	209.7	219.0	233.4
65°	136.0	137.1	137.1	138.3	140.5	142.8	147.4	155.4	169.7	182.8	193.6
67.5°	115.4	115.7	116.1	117.3	117.8	120.3	122.2	125.7	129.0	141.5	154.9
70°	101.7	103.4	102.8	104.0	104.5	105.6	108.0	109.7	114.9	117.7	125.7
72.5°	88.9	90.1	90.1	90.7	92.2	92.5	94.3	96.0	99.3	101.7	106.0
75°	72.0	71.4	72.0	73.1	73.7	74.3	74.3	76.5	78.3	80.6	83.4
77.5°	55.5	56.1	56.0	56.1	56.2	57.3	57.2	58.1	59.8	61.0	62.4
80°	44.6	45.1	44.6	45.1	45.7	46.2	45.7	46.2	48.0	49.2	49.2
82.5°	34.5	34.6	35.0	35.0	35.2	35.3	36.1	36.2	37.5	37.3	37.7
85°	20.6	20.0	20.0	20.0	20.6	21.1	20.6	20.6	21.1	21.1	21.1
87.5°	13.2	13.6	13.5	13.5	13.4	13.5	13.5	14.1	13.7	14.2	12.9
90°	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3	29.7	30.0	25.8
92.5°	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5	27.4	27.3	26.3
95°	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0	55.0	55.0	54.6
97.5°	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	91.7
100°	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6	118.6	118.6	118.0
102.5°	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1	146.9	146.8	146.0
105°	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8	189.4	189.0	188.6
107.5°	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9	235.7	235.6	235.6
110°	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3	267.3	267.3	267.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6	299.1	299.5	299.7
115°	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7	347.0	347.2	347.5
117.5°	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3	393.7	394.3	395.3
120°	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5	424.5	424.5	426.0
122.5°	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5	457.0	457.4	458.6
125°	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1	504.6	505.2	505.8
127.5°	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3	551.0	551.6	552.3
130°	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8	582.2	582.6	583.0
132.5°	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5	613.4	614.2	614.1
135°	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8	658.0	658.1	657.8
137.5°	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2	701.4	701.5	701.0
140°	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4	730.4	730.4	729.4
142.5°	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8	756.6	756.5	755.8
145°	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9	796.7	796.5	795.4
147.5°	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1	831.6	831.2	830.4
150°	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4	853.8	853.3	852.5
152.5°	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7	876.0	875.2	874.3
155°	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0	904.0	903.0	902.5
157.5°	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1	929.8	928.5	928.2
160°	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6	945.5	944.3	944.1
162.5°	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6	959.3	958.0	957.9
165°	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8	977.4	976.1	976.1
167.5°	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7	992.4	991.0	991.1
170°	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9	1000.7	999.3	999.4
172.5°	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1	1006.9	1005.5	1005.6
175°	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9	1013.5	1012.2	1012.5
177.5°	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2	1016.4
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1683.4	1679.8	1676.6	1668.4	1664.2	1655.1	1653.7	1653.3	1641.4	1630.0	1626.8
5°	1741.3	1732.2	1718.4	1702.5	1685.8	1668.7	1657.3	1648.1	1625.3	1603.6	1591.0
7.5°	1799.6	1779.9	1756.3	1726.0	1700.7	1672.4	1651.3	1632.5	1600.1	1569.0	1548.1
10°	1843.0	1810.9	1779.5	1737.8	1705.3	1673.3	1643.6	1617.9	1581.3	1540.2	1511.1
12.5°	1869.9	1834.7	1791.4	1750.7	1708.5	1667.8	1628.1	1595.0	1552.0	1509.6	1474.9
15°	1906.3	1868.6	1816.1	1757.8	1703.6	1650.5	1604.7	1563.6	1507.6	1456.7	1414.5
17.5°	1936.2	1884.3	1827.9	1760.5	1697.6	1630.1	1571.2	1518.7	1456.4	1395.1	1345.2
20°	1945.8	1894.4	1829.3	1761.9	1687.6	1608.2	1544.7	1487.6	1420.7	1353.9	1296.8
22.5°	1939.8	1899.9	1827.4	1746.7	1670.7	1587.6	1516.0	1449.7	1375.5	1307.3	1241.0
25°	1899.5	1885.8	1817.2	1729.2	1642.4	1545.9	1463.0	1390.5	1306.0	1232.9	1160.8
27.5°	1805.5	1835.0	1792.6	1698.8	1602.3	1498.8	1405.7	1323.1	1235.4	1153.1	1081.3
30°	1715.0	1783.0	1764.7	1677.8	1569.9	1468.2	1363.7	1277.4	1183.7	1099.2	1028.3
32.5°	1591.1	1703.4	1721.3	1648.6	1537.0	1425.2	1315.7	1229.9	1132.0	1042.9	973.9
35°	1394.0	1561.9	1639.0	1592.8	1480.7	1360.2	1247.1	1147.1	1048.9	960.9	892.3
37.5°	1158.6	1387.4	1516.0	1519.2	1416.4	1291.1	1167.9	1068.7	968.1	881.8	807.5
40°	1006.0	1254.0	1421.3	1458.4	1371.7	1236.2	1111.7	1010.6	912.3	827.8	742.7
42.5°	868.9	1115.9	1321.7	1386.3	1317.2	1182.8	1057.8	952.1	856.6	776.6	689.7
45°	702.7	918.6	1145.4	1260.8	1222.5	1098.0	966.0	865.5	775.8	706.7	623.3
47.5°	592.8	744.9	964.4	1120.5	1119.8	1006.2	876.3	780.1	696.8	632.1	564.6
50°	530.1	662.7	848.3	1025.5	1040.3	944.9	821.5	726.1	648.4	580.4	526.2
52.5°	473.9	583.2	750.1	919.9	962.2	879.5	759.8	671.8	596.3	533.8	487.3
55°	400.5	485.0	611.8	770.7	834.7	776.4	670.1	587.9	526.8	474.2	434.2
57.5°	338.8	402.2	503.9	631.8	706.4	669.7	582.0	515.2	462.9	415.3	383.7
60°	299.9	351.9	438.2	545.0	627.2	601.6	526.8	464.4	419.9	378.8	349.0
62.5°	263.4	308.1	381.9	468.6	544.1	533.5	472.3	420.1	381.1	343.5	318.4
65°	212.0	244.5	302.2	370.2	430.8	435.9	391.9	356.5	321.7	292.0	269.7
67.5°	168.8	190.0	230.7	287.9	333.3	349.5	322.6	295.6	267.9	245.0	225.7
70°	142.2	159.4	189.1	235.4	277.1	294.2	278.8	257.6	233.7	214.8	198.2
72.5°	115.3	132.0	153.9	187.9	223.6	242.1	236.8	221.5	202.1	186.5	170.8
75°	86.9	92.0	106.9	129.7	157.6	173.7	177.7	169.7	154.2	142.2	133.1
77.5°	64.2	67.3	74.4	86.4	104.7	118.9	124.8	123.8	113.2	106.2	97.7
80°	51.4	53.1	56.6	61.7	75.4	89.7	93.7	93.7	86.3	83.4	74.8
82.5°	39.1	40.3	42.4	45.2	51.7	64.1	68.5	69.5	64.7	61.0	54.2
85°	22.3	21.7	22.8	24.5	25.7	29.1	36.0	37.1	36.0	31.4	29.7
87.5°	12.1	11.7	10.8	9.8	9.8	9.7	11.6	13.4	12.1	11.1	10.7
90°	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9	3.2	5.4	7.7
92.5°	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3	17.0	18.7	20.3
95°	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7	46.6	48.5	50.4
97.5°	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6	83.3	85.0	86.7
100°	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1	110.6	112.2	113.7
102.5°	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0	139.2	140.4	141.6
105°	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8	185.3	185.9	186.5
107.5°	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8	232.6	233.5	234.4
110°	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1	263.2	264.3	265.5





TEST NUMBER: P331724-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1	296.2	297.4	298.5
115°	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7	344.8	345.9	347.2
117.5°	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2	393.6	395.2	396.7
120°	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	426.0	427.5	429.0
122.5°	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0	455.8	457.7	459.5
125°	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1	501.8	503.5	505.2
127.5°	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9	547.1	549.3	551.5
130°	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1	575.6	578.1	580.6
132.5°	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8	606.7	608.8	610.8
135°	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0	649.1	651.2	653.3
137.5°	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6	693.2	694.9	696.6
140°	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3	720.1	721.8	723.5
142.5°	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8	747.5	749.2	751.0
145°	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3	786.7	788.0	789.4
147.5°	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5	822.2	823.8	825.4
150°	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6	845.8	846.9	848.1
152.5°	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9	867.1	868.2	869.4
155°	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9	898.5	899.1	899.7
157.5°	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2	925.6	926.0	926.3
160°	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8	942.1	942.5	942.9
162.5°	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8	956.9	957.0	957.1
165°	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0	976.8	976.5	976.4
167.5°	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8	993.2	992.6	992.0
170°	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7	1002.1	1001.6	1001.0
172.5°	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9	1008.3	1007.8	1007.2
175°	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5	1015.9	1015.3	1014.8
177.5°	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6	1019.1	1018.6	1018.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331724-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1620.8	1617.6	1611.7	1602.6	1597.1	1587.5	1581.1	1584.8	1585.6	1584.8	1583.8
5°	1577.3	1565.3	1548.8	1532.8	1517.9	1501.9	1492.7	1488.8	1480.7	1476.2	1473.9
7.5°	1524.7	1504.0	1480.5	1452.7	1429.0	1404.2	1391.5	1385.3	1368.9	1359.9	1352.2
10°	1485.3	1452.8	1429.3	1392.8	1370.5	1337.9	1315.7	1316.2	1293.9	1281.3	1272.2
12.5°	1441.9	1406.2	1367.2	1334.3	1303.3	1277.1	1250.3	1239.4	1215.8	1203.7	1179.0
15°	1369.9	1328.3	1287.1	1242.5	1211.1	1170.5	1131.7	1084.3	1046.0	1012.9	1003.8
17.5°	1291.3	1239.7	1198.4	1146.1	1092.3	1024.1	979.0	951.5	928.4	910.9	897.9
20°	1237.4	1184.8	1140.8	1062.0	989.5	943.2	910.1	888.9	865.0	846.1	835.8
22.5°	1180.7	1125.8	1065.9	977.9	921.4	884.2	854.7	830.4	814.2	799.4	790.1
25°	1100.3	1040.3	941.5	880.9	835.2	796.3	775.8	761.0	743.8	723.8	714.6
27.5°	1015.3	919.9	848.9	803.9	760.3	735.0	716.5	694.3	679.0	670.0	660.5
30°	951.7	856.4	800.9	751.8	720.9	692.9	671.2	658.7	643.9	628.4	622.2
32.5°	880.9	804.7	751.6	710.7	679.3	655.5	638.3	618.0	607.3	597.8	584.6
35°	792.9	735.2	686.6	653.6	623.9	604.4	584.4	572.4	553.0	545.0	539.8
37.5°	718.4	668.4	632.1	597.2	573.7	552.2	539.9	520.9	512.5	501.4	490.5
40°	676.4	627.2	592.5	563.9	537.6	521.6	506.2	490.8	478.2	473.0	459.9
42.5°	633.4	593.5	558.6	527.3	509.7	492.8	473.3	461.9	448.9	440.6	432.5
45°	574.1	538.7	509.0	483.3	463.9	446.2	433.6	414.7	407.3	390.7	383.9
47.5°	522.0	489.1	460.8	436.4	417.4	405.9	387.4	372.7	360.8	350.7	341.8
50°	485.0	457.6	430.2	408.5	391.3	374.8	355.9	348.4	330.2	325.0	319.9
52.5°	451.2	425.2	400.0	378.8	361.6	345.5	328.9	319.3	306.9	301.8	298.0
55°	403.9	378.8	354.7	335.9	318.7	302.2	292.0	279.9	274.2	270.2	265.6
57.5°	356.4	333.7	315.4	296.3	279.1	265.9	254.0	246.8	240.8	235.6	230.1
60°	326.2	304.4	287.9	270.2	252.5	241.7	232.5	223.9	217.1	209.1	206.8
62.5°	294.2	275.3	260.0	242.8	227.4	217.4	208.7	200.6	192.4	180.7	177.5
65°	250.2	235.4	219.4	205.1	191.4	181.7	169.1	160.0	156.5	155.4	154.8
67.5°	210.4	196.4	182.7	168.1	155.6	146.6	140.2	138.8	136.4	135.7	134.1
70°	183.9	170.8	157.1	143.4	131.4	129.7	127.4	125.1	122.3	121.1	119.9
72.5°	160.1	146.6	132.9	121.9	116.8	114.6	112.3	110.0	108.1	106.9	106.2
75°	122.9	110.3	101.1	97.1	94.3	92.6	89.1	87.4	86.3	84.6	83.9
77.5°	88.4	81.4	77.1	74.6	71.6	69.8	67.8	66.1	64.9	64.6	63.6
80°	67.4	64.0	61.1	57.7	56.6	54.2	53.7	52.0	52.5	50.9	50.9
82.5°	52.3	48.0	45.5	44.0	42.9	41.0	40.5	39.6	39.8	38.5	38.5
85°	26.9	25.7	24.5	23.4	23.4	21.7	22.3	21.7	21.7	20.6	20.0
87.5°	10.7	10.8	10.8	11.6	12.5	12.8	12.8	12.2	12.2	12.1	11.6
90°	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3	28.9	28.6	28.4
92.5°	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5	27.6	27.6	27.7
95°	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0	55.0	55.0	54.8
97.5°	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5	92.5	92.5	92.5
100°	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6	118.6	118.6	118.5
102.5°	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1	147.2	147.4	147.3
105°	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8	190.2	190.5	190.7
107.5°	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9	236.1	236.2	235.8
110°	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	267.3	266.9



TEST NUMBER: P331724-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6	298.2	297.7	297.2
115°	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7	346.6	346.4	345.9
117.5°	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3	392.9	392.4	391.8
120°	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5	424.5	424.5	424.2
122.5°	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5	456.1	455.6	455.2
125°	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1	503.5	502.9	502.6
127.5°	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3	549.6	548.9	548.2
130°	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8	581.4	581.0	580.5
132.5°	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5	611.7	610.8	610.1
135°	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8	657.6	657.4	657.0
137.5°	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2	701.0	700.9	700.4
140°	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4	730.4	730.4	730.0
142.5°	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8	756.9	757.1	756.8
145°	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9	797.1	797.3	797.0
147.5°	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1	832.5	832.9	832.8
150°	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4	855.0	855.5	855.5
152.5°	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7	877.4	878.1	878.1
155°	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0	905.9	906.9	907.1
157.5°	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1	932.4	933.7	933.8
160°	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6	947.7	948.9	949.1
162.5°	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6	961.9	963.2	963.5
165°	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8	980.1	981.5	981.6
167.5°	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7	995.1	996.3	996.5
170°	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9	1003.3	1004.6	1004.7
172.5°	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1	1009.5	1010.8	1010.9
175°	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9	1016.2	1017.5	1017.6
177.5°	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331724-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1578.8	1579.7	1578.3	1579.2	1578.3	1579.7	1578.8	1583.8	1584.8	1585.6	1584.8
5°	1471.0	1464.2	1463.0	1461.4	1463.0	1464.2	1471.0	1473.9	1476.2	1480.7	1488.8
7.5°	1342.4	1341.4	1338.5	1334.6	1338.5	1341.4	1342.4	1352.2	1359.9	1368.9	1385.3
10°	1259.6	1256.8	1256.3	1252.2	1256.3	1256.8	1259.6	1272.2	1281.3	1293.9	1316.2
12.5°	1162.8	1144.4	1142.5	1132.5	1142.5	1144.4	1162.8	1179.0	1203.7	1215.8	1239.4
15°	990.1	986.6	975.2	967.8	975.2	986.6	990.1	1003.8	1012.9	1046.0	1084.3
17.5°	891.3	880.1	876.6	874.9	876.6	880.1	891.3	897.9	910.9	928.4	951.5
20°	827.8	817.5	815.8	814.7	815.8	817.5	827.8	835.8	846.1	865.0	888.9
22.5°	783.9	773.2	768.7	765.3	768.7	773.2	783.9	790.1	799.4	814.2	830.4
25°	708.9	705.0	702.7	701.5	702.7	705.0	708.9	714.6	723.8	743.8	761.0
27.5°	650.3	641.5	639.8	636.9	639.8	641.5	650.3	660.5	670.0	679.0	694.3
30°	617.0	614.2	610.1	606.7	610.1	614.2	617.0	622.2	628.4	643.9	658.7
32.5°	577.6	575.3	571.7	570.2	571.7	575.3	577.6	584.6	597.8	607.3	618.0
35°	534.2	526.2	522.7	517.5	522.7	526.2	534.2	539.8	545.0	553.0	572.4
37.5°	488.1	483.9	479.1	480.8	479.1	483.9	488.1	490.5	501.4	512.5	520.9
40°	452.5	449.6	448.5	447.9	448.5	449.6	452.5	459.9	473.0	478.2	490.8
42.5°	424.1	416.2	413.3	413.1	413.3	416.2	424.1	432.5	440.6	448.9	461.9
45°	381.1	373.6	368.5	369.0	368.5	373.6	381.1	383.9	390.7	407.3	414.7
47.5°	336.9	336.7	333.6	334.6	333.6	336.7	336.9	341.8	350.7	360.8	372.7
50°	315.9	312.5	310.2	310.7	310.2	312.5	315.9	319.9	325.0	330.2	348.4
52.5°	295.8	292.8	291.0	293.4	291.0	292.8	295.8	298.0	301.8	306.9	319.3
55°	262.8	259.3	258.8	258.2	258.8	259.3	262.8	265.6	270.2	274.2	279.9
57.5°	225.9	223.6	220.2	218.7	220.2	223.6	225.9	230.1	235.6	240.8	246.8
60°	199.4	194.8	189.1	188.6	189.1	194.8	199.4	206.8	209.1	217.1	223.9
62.5°	175.1	174.3	173.1	173.0	173.1	174.3	175.1	177.5	180.7	192.4	200.6
65°	153.7	153.1	153.7	154.2	153.7	153.1	153.7	154.8	155.4	156.5	160.0
67.5°	133.9	132.9	131.8	132.3	131.8	132.9	133.9	134.1	135.7	136.4	138.8
70°	118.8	118.2	117.7	117.7	117.7	118.2	118.8	119.9	121.1	122.3	125.1
72.5°	104.2	104.1	103.5	103.1	103.5	104.1	104.2	106.2	106.9	108.1	110.0
75°	83.4	82.2	82.2	82.2	82.2	82.2	83.4	83.9	84.6	86.3	87.4
77.5°	63.5	62.9	62.4	61.9	62.4	62.9	63.5	63.6	64.6	64.9	66.1
80°	50.3	49.7	49.2	49.2	49.2	49.7	50.3	50.9	50.9	52.5	52.0
82.5°	38.4	37.8	37.7	37.3	37.7	37.8	38.4	38.5	38.5	39.8	39.6
85°	20.6	21.1	20.6	21.7	20.6	21.1	20.6	20.0	20.6	21.7	21.7
87.5°	11.7	11.3	11.7	11.4	11.7	11.3	11.7	11.6	12.1	12.2	12.2
90°	28.7	28.8	29.0	29.2	29.0	28.8	28.7	28.4	28.6	28.9	29.3
92.5°	27.7	27.7	27.8	27.8	27.8	27.7	27.7	27.7	27.6	27.6	27.5
95°	54.4	54.1	53.6	53.3	53.6	54.1	54.4	54.8	55.0	55.0	55.0
97.5°	92.4	92.4	92.3	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5
100°	118.3	118.1	117.9	117.7	117.9	118.1	118.3	118.5	118.6	118.6	118.6
102.5°	147.1	147.0	146.8	146.6	146.8	147.0	147.1	147.3	147.4	147.2	147.1
105°	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.5	190.2	189.8
107.5°	235.0	234.1	233.2	232.3	233.2	234.1	235.0	235.8	236.2	236.1	235.9
110°	266.4	265.8	265.2	264.7	265.2	265.8	266.4	266.9	267.3	267.3	267.3



TEST NUMBER: P331724-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	296.9	296.4	296.0	295.6	296.0	296.4	296.9	297.2	297.7	298.2	298.6
115°	345.4	344.8	344.2	343.7	344.2	344.8	345.4	345.9	346.4	346.6	346.7
117.5°	391.3	390.7	390.1	389.6	390.1	390.7	391.3	391.8	392.4	392.9	393.3
120°	423.6	423.0	422.5	421.9	422.5	423.0	423.6	424.2	424.5	424.5	424.5
122.5°	454.8	454.3	453.9	453.5	453.9	454.3	454.8	455.2	455.6	456.1	456.5
125°	502.4	502.1	502.0	501.8	502.0	502.1	502.4	502.6	502.9	503.5	504.1
127.5°	547.6	547.0	546.4	545.8	546.4	547.0	547.6	548.2	548.9	549.6	550.3
130°	579.7	578.9	578.2	577.4	578.2	578.9	579.7	580.5	581.0	581.4	581.8
132.5°	609.5	608.9	608.3	607.7	608.3	608.9	609.5	610.1	610.8	611.7	612.5
135°	656.4	655.9	655.3	654.7	655.3	655.9	656.4	657.0	657.4	657.6	657.8
137.5°	699.6	698.9	698.1	697.3	698.1	698.9	699.6	700.4	700.9	701.0	701.2
140°	729.2	728.4	727.7	726.9	727.7	728.4	729.2	730.0	730.4	730.4	730.4
142.5°	756.0	755.3	754.5	753.7	754.5	755.3	756.0	756.8	757.1	756.9	756.8
145°	796.3	795.5	794.7	793.9	794.7	795.5	796.3	797.0	797.3	797.1	796.9
147.5°	832.1	831.3	830.6	829.8	830.6	831.3	832.1	832.8	832.9	832.5	832.1
150°	855.0	854.4	853.8	853.3	853.8	854.4	855.0	855.5	855.5	855.0	854.4
152.5°	877.4	876.7	876.0	875.2	876.0	876.7	877.4	878.1	878.1	877.4	876.7
155°	906.5	905.9	905.3	904.7	905.3	905.9	906.5	907.1	906.9	905.9	905.0
157.5°	933.0	932.0	931.1	930.2	931.1	932.0	933.0	933.8	933.7	932.4	931.1
160°	948.3	947.5	946.8	946.0	946.8	947.5	948.3	949.1	948.9	947.7	946.6
162.5°	962.5	961.6	960.7	959.8	960.7	961.6	962.5	963.5	963.2	961.9	960.6
165°	980.7	979.7	978.8	977.8	978.8	979.7	980.7	981.6	981.5	980.1	978.8
167.5°	995.6	994.5	993.6	992.6	993.6	994.5	995.6	996.5	996.3	995.1	993.7
170°	1003.6	1002.5	1001.3	1000.1	1001.3	1002.5	1003.6	1004.7	1004.6	1003.3	1001.9
172.5°	1009.8	1008.7	1007.5	1006.3	1007.5	1008.7	1009.8	1010.9	1010.8	1009.5	1008.1
175°	1016.5	1015.3	1014.2	1013.1	1014.2	1015.3	1016.5	1017.6	1017.5	1016.2	1014.9
177.5°	1018.9	1018.0	1017.0	1016.2	1017.0	1018.0	1018.9	1019.8	1019.8	1018.9	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331724-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1581.1	1587.5	1597.1	1602.6	1611.7	1617.6	1620.8	1626.8	1630.0	1641.4	1653.3
5°	1492.7	1501.9	1517.9	1532.8	1548.8	1565.3	1577.3	1591.0	1603.6	1625.3	1648.1
7.5°	1391.5	1404.2	1429.0	1452.7	1480.5	1504.0	1524.7	1548.1	1569.0	1600.1	1632.5
10°	1315.7	1337.9	1370.5	1392.8	1429.3	1452.8	1485.3	1511.1	1540.2	1581.3	1617.9
12.5°	1250.3	1277.1	1303.3	1334.3	1367.2	1406.2	1441.9	1474.9	1509.6	1552.0	1595.0
15°	1131.7	1170.5	1211.1	1242.5	1287.1	1328.3	1369.9	1414.5	1456.7	1507.6	1563.6
17.5°	979.0	1024.1	1092.3	1146.1	1198.4	1239.7	1291.3	1345.2	1395.1	1456.4	1518.7
20°	910.1	943.2	989.5	1062.0	1140.8	1184.8	1237.4	1296.8	1353.9	1420.7	1487.6
22.5°	854.7	884.2	921.4	977.9	1065.9	1125.8	1180.7	1241.0	1307.3	1375.5	1449.7
25°	775.8	796.3	835.2	880.9	941.5	1040.3	1100.3	1160.8	1232.9	1306.0	1390.5
27.5°	716.5	735.0	760.3	803.9	848.9	919.9	1015.3	1081.3	1153.1	1235.4	1323.1
30°	671.2	692.9	720.9	751.8	800.9	856.4	951.7	1028.3	1099.2	1183.7	1277.4
32.5°	638.3	655.5	679.3	710.7	751.6	804.7	880.9	973.9	1042.9	1132.0	1229.9
35°	584.4	604.4	623.9	653.6	686.6	735.2	792.9	892.3	960.9	1048.9	1147.1
37.5°	539.9	552.2	573.7	597.2	632.1	668.4	718.4	807.5	881.8	968.1	1068.7
40°	506.2	521.6	537.6	563.9	592.5	627.2	676.4	742.7	827.8	912.3	1010.6
42.5°	473.3	492.8	509.7	527.3	558.6	593.5	633.4	689.7	776.6	856.6	952.1
45°	433.6	446.2	463.9	483.3	509.0	538.7	574.1	623.3	706.7	775.8	865.5
47.5°	387.4	405.9	417.4	436.4	460.8	489.1	522.0	564.6	632.1	696.8	780.1
50°	355.9	374.8	391.3	408.5	430.2	457.6	485.0	526.2	580.4	648.4	726.1
52.5°	328.9	345.5	361.6	378.8	400.0	425.2	451.2	487.3	533.8	596.3	671.8
55°	292.0	302.2	318.7	335.9	354.7	378.8	403.9	434.2	474.2	526.8	587.9
57.5°	254.0	265.9	279.1	296.3	315.4	333.7	356.4	383.7	415.3	462.9	515.2
60°	232.5	241.7	252.5	270.2	287.9	304.4	326.2	349.0	378.8	419.9	464.4
62.5°	208.7	217.4	227.4	242.8	260.0	275.3	294.2	318.4	343.5	381.1	420.1
65°	169.1	181.7	191.4	205.1	219.4	235.4	250.2	269.7	292.0	321.7	356.5
67.5°	140.2	146.6	155.6	168.1	182.7	196.4	210.4	225.7	245.0	267.9	295.6
70°	127.4	129.7	131.4	143.4	157.1	170.8	183.9	198.2	214.8	233.7	257.6
72.5°	112.3	114.6	116.8	121.9	132.9	146.6	160.1	170.8	186.5	202.1	221.5
75°	89.1	92.6	94.3	97.1	101.1	110.3	122.9	133.1	142.2	154.2	169.7
77.5°	67.8	69.8	71.6	74.6	77.1	81.4	88.4	97.7	106.2	113.2	123.8
80°	53.7	54.2	56.6	57.7	61.1	64.0	67.4	74.8	83.4	86.3	93.7
82.5°	40.5	41.0	42.9	44.0	45.5	48.0	52.3	54.2	61.0	64.7	69.5
85°	22.3	21.7	23.4	23.4	24.5	25.7	26.9	29.7	31.4	36.0	37.1
87.5°	12.8	12.8	12.5	11.6	10.8	10.8	10.7	10.7	11.1	12.1	13.4
90°	29.7	30.0	25.8	21.7	17.5	13.3	10.0	7.7	5.4	3.2	0.9
92.5°	27.4	27.3	26.3	25.3	24.4	23.3	22.0	20.3	18.7	17.0	15.3
95°	55.0	55.0	54.6	54.2	53.8	53.5	52.3	50.4	48.5	46.6	44.7
97.5°	92.5	92.5	91.7	91.0	90.3	89.5	88.3	86.7	85.0	83.3	81.6
100°	118.6	118.6	118.0	117.4	116.8	116.3	115.2	113.7	112.2	110.6	109.1
102.5°	146.9	146.8	146.0	145.3	144.6	143.9	142.8	141.6	140.4	139.2	138.0
105°	189.4	189.0	188.6	188.3	187.9	187.5	187.0	186.5	185.9	185.3	184.8
107.5°	235.7	235.6	235.6	235.6	235.6	235.6	235.2	234.4	233.5	232.6	231.8
110°	267.3	267.3	267.3	267.3	267.3	267.3	266.7	265.5	264.3	263.2	262.1



TEST NUMBER: P331724-935

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	299.1	299.5	299.7	299.8	300.0	300.1	299.6	298.5	297.4	296.2	295.1
115°	347.0	347.2	347.5	347.9	348.3	348.6	348.3	347.2	345.9	344.8	343.7
117.5°	393.7	394.3	395.3	396.3	397.4	398.5	398.3	396.7	395.2	393.6	392.2
120°	424.5	424.5	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5
122.5°	457.0	457.4	458.6	459.6	460.6	461.8	461.3	459.5	457.7	455.8	454.0
125°	504.6	505.2	505.8	506.4	507.0	507.6	507.0	505.2	503.5	501.8	500.1
127.5°	551.0	551.6	552.3	553.0	553.7	554.4	553.6	551.5	549.3	547.1	544.9
130°	582.2	582.6	583.0	583.3	583.7	584.1	583.1	580.6	578.1	575.6	573.1
132.5°	613.4	614.2	614.1	614.1	614.0	613.9	612.9	610.8	608.8	606.7	604.8
135°	658.0	658.1	657.8	657.4	657.0	656.7	655.4	653.3	651.2	649.1	647.0
137.5°	701.4	701.5	701.0	700.5	700.0	699.5	698.4	696.6	694.9	693.2	691.6
140°	730.4	730.4	729.4	728.4	727.5	726.5	725.2	723.5	721.8	720.1	718.3
142.5°	756.6	756.5	755.8	755.2	754.5	753.9	752.7	751.0	749.2	747.5	745.8
145°	796.7	796.5	795.4	794.2	793.1	791.9	790.7	789.4	788.0	786.7	785.3
147.5°	831.6	831.2	830.4	829.7	829.0	828.2	827.0	825.4	823.8	822.2	820.5
150°	853.8	853.3	852.5	851.7	850.9	850.2	849.2	848.1	846.9	845.8	844.6
152.5°	876.0	875.2	874.3	873.4	872.5	871.6	870.6	869.4	868.2	867.1	865.9
155°	904.0	903.0	902.5	901.9	901.4	900.8	900.2	899.7	899.1	898.5	897.9
157.5°	929.8	928.5	928.2	927.8	927.5	927.1	926.8	926.3	926.0	925.6	925.2
160°	945.5	944.3	944.1	943.9	943.7	943.6	943.2	942.9	942.5	942.1	941.8
162.5°	959.3	958.0	957.9	957.7	957.5	957.3	957.2	957.1	957.0	956.9	956.8
165°	977.4	976.1	976.1	976.1	976.1	976.1	976.2	976.4	976.5	976.8	977.0
167.5°	992.4	991.0	991.1	991.1	991.2	991.2	991.5	992.0	992.6	993.2	993.8
170°	1000.7	999.3	999.4	999.7	999.9	1000.1	1000.4	1001.0	1001.6	1002.1	1002.7
172.5°	1006.9	1005.5	1005.6	1005.8	1006.1	1006.3	1006.6	1007.2	1007.8	1008.3	1008.9
175°	1013.5	1012.2	1012.5	1013.0	1013.3	1013.7	1014.2	1014.8	1015.3	1015.9	1016.5
177.5°	1017.0	1016.2	1016.4	1016.8	1017.0	1017.4	1017.7	1018.2	1018.6	1019.1	1019.6
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



TEST NUMBER: P331724-935

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1653.7	1655.1	1664.2	1668.4	1676.6	1679.8	1683.4	1682.6	1682.6	1684.4	1697.2
5°	1657.3	1668.7	1685.8	1702.5	1718.4	1732.2	1741.3	1750.4	1753.9	1770.4	1785.3
7.5°	1651.3	1672.4	1700.7	1726.0	1756.3	1779.9	1799.6	1817.2	1829.4	1853.5	1878.2
10°	1643.6	1673.3	1705.3	1737.8	1779.5	1810.9	1843.0	1867.5	1875.5	1911.5	1932.1
12.5°	1628.1	1667.8	1708.5	1750.7	1791.4	1834.7	1869.9	1894.5	1922.6	1954.9	1992.9
15°	1604.7	1650.5	1703.6	1757.8	1816.1	1868.6	1906.3	1949.2	1980.0	2015.5	2048.6
17.5°	1571.2	1630.1	1697.6	1760.5	1827.9	1884.3	1936.2	1977.3	1999.0	2019.2	2024.1
20°	1544.7	1608.2	1687.6	1761.9	1829.3	1894.4	1945.8	1980.0	1985.8	1986.3	1956.1
22.5°	1516.0	1587.6	1670.7	1746.7	1827.4	1899.9	1939.8	1954.5	1931.8	1893.1	1834.5
25°	1463.0	1545.9	1642.4	1729.2	1817.2	1885.8	1899.5	1873.8	1794.4	1711.0	1605.3
27.5°	1405.7	1498.8	1602.3	1698.8	1792.6	1835.0	1805.5	1712.8	1569.8	1445.4	1294.8
30°	1363.7	1468.2	1569.9	1677.8	1764.7	1783.0	1715.0	1578.5	1411.6	1224.3	1074.0
32.5°	1315.7	1425.2	1537.0	1648.6	1721.3	1703.4	1591.1	1423.1	1227.4	1043.3	901.3
35°	1247.1	1360.2	1480.7	1592.8	1639.0	1561.9	1394.0	1175.1	975.2	803.2	705.5
37.5°	1167.9	1291.1	1416.4	1519.2	1516.0	1387.4	1158.6	932.8	764.7	663.1	593.5
40°	1111.7	1236.2	1371.7	1458.4	1421.3	1254.0	1006.0	792.9	670.1	589.0	538.1
42.5°	1057.8	1182.8	1317.2	1386.3	1321.7	1115.9	868.9	702.0	600.6	537.4	496.1
45°	966.0	1098.0	1222.5	1260.8	1145.4	918.6	702.7	581.6	514.2	467.3	438.8
47.5°	876.3	1006.2	1119.8	1120.5	964.4	744.9	592.8	503.3	445.7	409.5	388.7
50°	821.5	944.9	1040.3	1025.5	848.3	662.7	530.1	453.1	405.0	377.0	355.3
52.5°	759.8	879.5	962.2	919.9	750.1	583.2	473.9	409.1	369.4	345.1	325.6
55°	670.1	776.4	834.7	770.7	611.8	485.0	400.5	349.7	319.9	299.4	282.8
57.5°	582.0	669.7	706.4	631.8	503.9	402.2	338.8	300.6	271.1	256.4	247.8
60°	526.8	601.6	627.2	545.0	438.2	351.9	299.9	264.5	242.8	233.1	224.5
62.5°	472.3	533.5	544.1	468.6	381.9	308.1	263.4	233.4	219.0	209.7	201.6
65°	391.9	435.9	430.8	370.2	302.2	244.5	212.0	193.6	182.8	169.7	155.4
67.5°	322.6	349.5	333.3	287.9	230.7	190.0	168.8	154.9	141.5	129.0	125.7
70°	278.8	294.2	277.1	235.4	189.1	159.4	142.2	125.7	117.7	114.9	109.7
72.5°	236.8	242.1	223.6	187.9	153.9	132.0	115.3	106.0	101.7	99.3	96.0
75°	177.7	173.7	157.6	129.7	106.9	92.0	86.9	83.4	80.6	78.3	76.5
77.5°	124.8	118.9	104.7	86.4	74.4	67.3	64.2	62.4	61.0	59.8	58.1
80°	93.7	89.7	75.4	61.7	56.6	53.1	51.4	49.2	49.2	48.0	46.2
82.5°	68.5	64.1	51.7	45.2	42.4	40.3	39.1	37.7	37.3	37.5	36.2
85°	36.0	29.1	25.7	24.5	22.8	21.7	22.3	21.1	21.1	21.1	20.6
87.5°	11.6	9.7	9.8	9.8	10.8	11.7	12.1	12.9	14.2	13.7	14.1
90°	3.2	5.4	7.7	10.0	13.3	17.5	21.7	25.8	30.0	29.7	29.3
92.5°	17.0	18.7	20.3	22.0	23.3	24.4	25.3	26.3	27.3	27.4	27.5
95°	46.6	48.5	50.4	52.3	53.5	53.8	54.2	54.6	55.0	55.0	55.0
97.5°	83.3	85.0	86.7	88.3	89.5	90.3	91.0	91.7	92.5	92.5	92.5
100°	110.6	112.2	113.7	115.2	116.3	116.8	117.4	118.0	118.6	118.6	118.6
102.5°	139.2	140.4	141.6	142.8	143.9	144.6	145.3	146.0	146.8	146.9	147.1
105°	185.3	185.9	186.5	187.0	187.5	187.9	188.3	188.6	189.0	189.4	189.8
107.5°	232.6	233.5	234.4	235.2	235.6	235.6	235.6	235.6	235.6	235.7	235.9
110°	263.2	264.3	265.5	266.7	267.3	267.3	267.3	267.3	267.3	267.3	267.3





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	296.2	297.4	298.5	299.6	300.1	300.0	299.8	299.7	299.5	299.1	298.6
115°	344.8	345.9	347.2	348.3	348.6	348.3	347.9	347.5	347.2	347.0	346.7
117.5°	393.6	395.2	396.7	398.3	398.5	397.4	396.3	395.3	394.3	393.7	393.3
120°	426.0	427.5	429.0	430.6	430.6	429.0	427.5	426.0	424.5	424.5	424.5
122.5°	455.8	457.7	459.5	461.3	461.8	460.6	459.6	458.6	457.4	457.0	456.5
125°	501.8	503.5	505.2	507.0	507.6	507.0	506.4	505.8	505.2	504.6	504.1
127.5°	547.1	549.3	551.5	553.6	554.4	553.7	553.0	552.3	551.6	551.0	550.3
130°	575.6	578.1	580.6	583.1	584.1	583.7	583.3	583.0	582.6	582.2	581.8
132.5°	606.7	608.8	610.8	612.9	613.9	614.0	614.1	614.1	614.2	613.4	612.5
135°	649.1	651.2	653.3	655.4	656.7	657.0	657.4	657.8	658.1	658.0	657.8
137.5°	693.2	694.9	696.6	698.4	699.5	700.0	700.5	701.0	701.5	701.4	701.2
140°	720.1	721.8	723.5	725.2	726.5	727.5	728.4	729.4	730.4	730.4	730.4
142.5°	747.5	749.2	751.0	752.7	753.9	754.5	755.2	755.8	756.5	756.6	756.8
145°	786.7	788.0	789.4	790.7	791.9	793.1	794.2	795.4	796.5	796.7	796.9
147.5°	822.2	823.8	825.4	827.0	828.2	829.0	829.7	830.4	831.2	831.6	832.1
150°	845.8	846.9	848.1	849.2	850.2	850.9	851.7	852.5	853.3	853.8	854.4
152.5°	867.1	868.2	869.4	870.6	871.6	872.5	873.4	874.3	875.2	876.0	876.7
155°	898.5	899.1	899.7	900.2	900.8	901.4	901.9	902.5	903.0	904.0	905.0
157.5°	925.6	926.0	926.3	926.8	927.1	927.5	927.8	928.2	928.5	929.8	931.1
160°	942.1	942.5	942.9	943.2	943.6	943.7	943.9	944.1	944.3	945.5	946.6
162.5°	956.9	957.0	957.1	957.2	957.3	957.5	957.7	957.9	958.0	959.3	960.6
165°	976.8	976.5	976.4	976.2	976.1	976.1	976.1	976.1	976.1	977.4	978.8
167.5°	993.2	992.6	992.0	991.5	991.2	991.2	991.1	991.1	991.0	992.4	993.7
170°	1002.1	1001.6	1001.0	1000.4	1000.1	999.9	999.7	999.4	999.3	1000.7	1001.9
172.5°	1008.3	1007.8	1007.2	1006.6	1006.3	1006.1	1005.8	1005.6	1005.5	1006.9	1008.1
175°	1015.9	1015.3	1014.8	1014.2	1013.7	1013.3	1013.0	1012.5	1012.2	1013.5	1014.9
177.5°	1019.1	1018.6	1018.2	1017.7	1017.4	1017.0	1016.8	1016.4	1016.2	1017.0	1018.0
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1701.8	1707.7	1710.4	1710.4	1713.6	1712.3	1710.9
5°	1799.6	1810.4	1812.7	1823.0	1830.4	1828.1	1829.3
7.5°	1896.8	1914.3	1931.5	1939.4	1940.6	1945.2	1946.9
10°	1956.6	1970.9	1997.8	1993.7	2013.8	2025.2	2006.3
12.5°	2014.2	2033.5	2052.2	2057.3	2068.6	2072.3	2064.9
15°	2066.3	2076.6	2077.8	2074.9	2078.3	2075.4	2064.6
17.5°	2017.7	2001.0	1967.1	1951.1	1938.5	1919.8	1912.2
20°	1937.2	1888.1	1830.9	1808.1	1781.2	1728.7	1741.3
22.5°	1763.6	1707.5	1650.5	1583.7	1551.9	1502.0	1499.0
25°	1493.3	1396.8	1290.6	1216.2	1172.9	1123.2	1101.4
27.5°	1161.1	1039.5	952.4	908.4	868.2	828.8	827.2
30°	942.6	851.2	783.8	746.1	721.5	705.0	708.4
32.5°	794.5	731.9	686.5	655.1	637.0	624.5	624.3
35°	649.5	606.7	577.6	564.4	551.3	542.2	542.7
37.5°	555.9	530.1	513.9	499.4	491.2	486.7	484.2
40°	507.9	486.7	474.2	465.6	458.7	452.5	451.3
42.5°	469.9	452.5	439.9	433.2	426.7	422.3	421.1
45°	417.1	402.8	391.3	383.9	381.1	377.0	377.0
47.5°	371.0	357.0	348.0	343.4	338.5	335.8	335.7
50°	339.9	329.1	321.1	318.2	314.2	312.5	311.9
52.5°	312.0	303.9	298.3	296.3	294.5	292.4	292.7
55°	274.2	269.7	267.3	265.6	262.8	259.3	261.7
57.5°	242.4	238.4	232.3	226.9	224.3	221.9	222.8
60°	220.0	212.0	204.0	197.7	196.0	190.8	190.8
62.5°	191.6	180.4	170.6	167.0	165.3	162.9	162.5
65°	147.4	142.8	140.5	138.3	137.1	137.1	136.0
67.5°	122.2	120.3	117.8	117.3	116.1	115.7	115.4
70°	108.0	105.6	104.5	104.0	102.8	103.4	101.7
72.5°	94.3	92.5	92.2	90.7	90.1	90.1	88.9
75°	74.3	74.3	73.7	73.1	72.0	71.4	72.0
77.5°	57.2	57.3	56.2	56.1	56.0	56.1	55.5
80°	45.7	46.2	45.7	45.1	44.6	45.1	44.6
82.5°	36.1	35.3	35.2	35.0	35.0	34.6	34.5
85°	20.6	21.1	20.6	20.0	20.0	20.0	20.6
87.5°	13.5	13.5	13.4	13.5	13.5	13.6	13.2
90°	28.9	28.6	28.4	28.7	28.8	29.0	29.2
92.5°	27.6	27.6	27.7	27.7	27.7	27.8	27.8
95°	55.0	55.0	54.8	54.4	54.1	53.6	53.3
97.5°	92.5	92.5	92.5	92.4	92.4	92.3	92.3
100°	118.6	118.6	118.5	118.3	118.1	117.9	117.7
102.5°	147.2	147.4	147.3	147.1	147.0	146.8	146.6
105°	190.2	190.5	190.7	190.7	190.7	190.7	190.7
107.5°	236.1	236.2	235.8	235.0	234.1	233.2	232.3
110°	267.3	267.3	266.9	266.4	265.8	265.2	264.7



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	298.2	297.7	297.2	296.9	296.4	296.0	295.6
115°	346.6	346.4	345.9	345.4	344.8	344.2	343.7
117.5°	392.9	392.4	391.8	391.3	390.7	390.1	389.6
120°	424.5	424.5	424.2	423.6	423.0	422.5	421.9
122.5°	456.1	455.6	455.2	454.8	454.3	453.9	453.5
125°	503.5	502.9	502.6	502.4	502.1	502.0	501.8
127.5°	549.6	548.9	548.2	547.6	547.0	546.4	545.8
130°	581.4	581.0	580.5	579.7	578.9	578.2	577.4
132.5°	611.7	610.8	610.1	609.5	608.9	608.3	607.7
135°	657.6	657.4	657.0	656.4	655.9	655.3	654.7
137.5°	701.0	700.9	700.4	699.6	698.9	698.1	697.3
140°	730.4	730.4	730.0	729.2	728.4	727.7	726.9
142.5°	756.9	757.1	756.8	756.0	755.3	754.5	753.7
145°	797.1	797.3	797.0	796.3	795.5	794.7	793.9
147.5°	832.5	832.9	832.8	832.1	831.3	830.6	829.8
150°	855.0	855.5	855.5	855.0	854.4	853.8	853.3
152.5°	877.4	878.1	878.1	877.4	876.7	876.0	875.2
155°	905.9	906.9	907.1	906.5	905.9	905.3	904.7
157.5°	932.4	933.7	933.8	933.0	932.0	931.1	930.2
160°	947.7	948.9	949.1	948.3	947.5	946.8	946.0
162.5°	961.9	963.2	963.5	962.5	961.6	960.7	959.8
165°	980.1	981.5	981.6	980.7	979.7	978.8	977.8
167.5°	995.1	996.3	996.5	995.6	994.5	993.6	992.6
170°	1003.3	1004.6	1004.7	1003.6	1002.5	1001.3	1000.1
172.5°	1009.5	1010.8	1010.9	1009.8	1008.7	1007.5	1006.3
175°	1016.2	1017.5	1017.6	1016.5	1015.3	1014.2	1013.1
177.5°	1018.9	1019.8	1019.8	1018.9	1018.0	1017.0	1016.2
180°	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2	1018.2

(END OF REPORT)