

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: P331725-935

Luminaire Tested: **SA2XXRDIP-C865D925U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331725-935
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16,
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-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

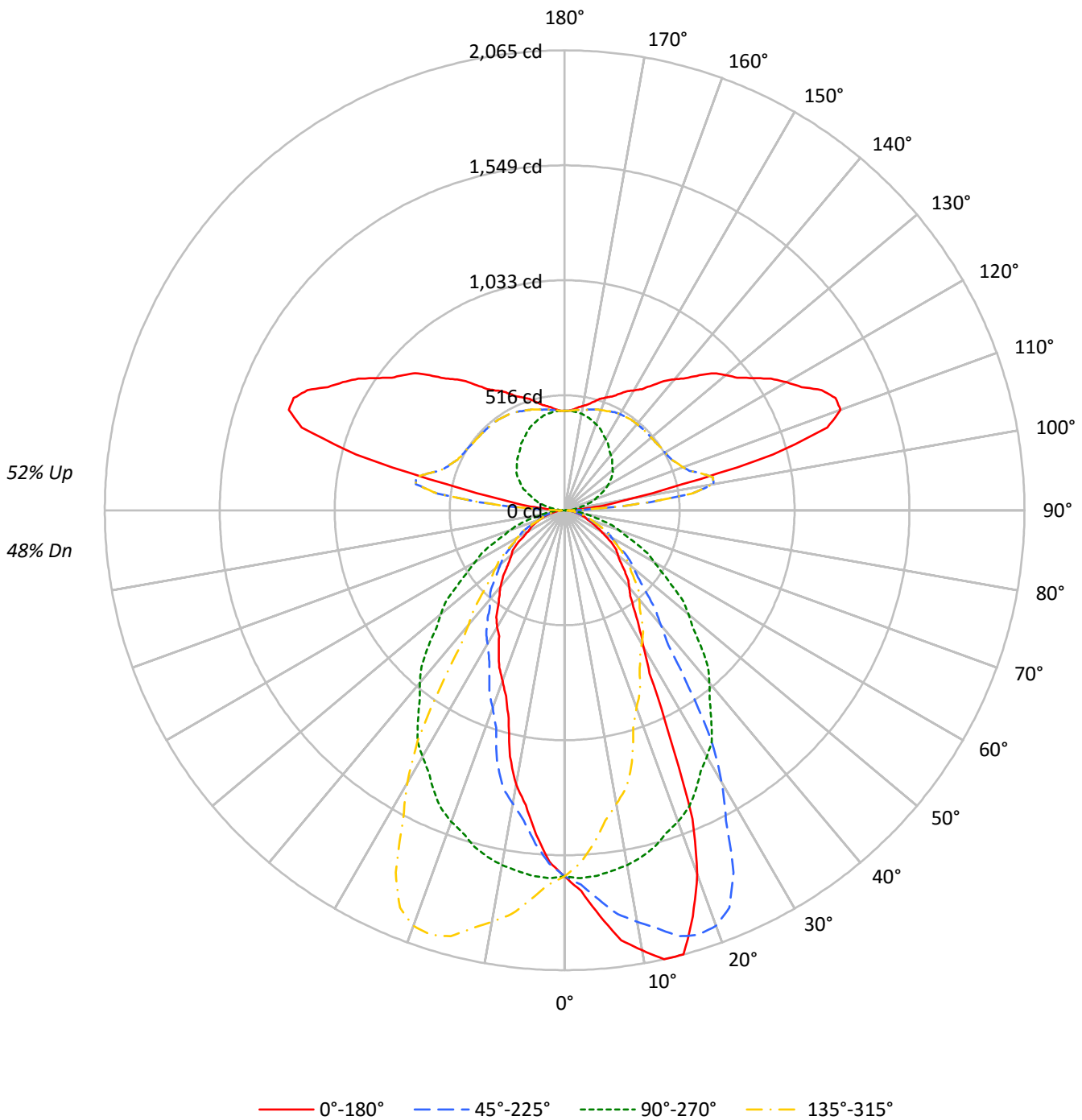
Lumens per Lamp: N/A
Luminaire Lumens: 5954.9 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

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	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	98	94	90	87	90	87	84	81	73	71	69	60	59	58	49	48	47	42
2	90	83	77	72	83	77	72	68	65	61	58	54	52	49	44	42	41	36
3	83	74	67	61	76	68	62	57	58	54	50	49	45	43	40	38	36	32
4	76	66	58	53	70	61	55	49	52	47	43	44	40	37	36	34	32	28
5	70	59	51	46	64	55	48	43	47	42	38	40	36	33	33	30	28	25
6	65	53	46	40	60	50	43	38	43	38	34	36	32	29	30	27	25	22
7	60	48	41	36	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	31	27	24	26	23	21	18
9	52	41	33	29	48	38	32	27	33	28	24	28	24	22	24	21	19	17
10	49	37	30	26	45	35	29	25	31	26	22	26	23	20	22	20	17	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	2.6
10°-20°	434.3	7.3
20°-30°	559.6	9.4
30°-40°	531.8	8.9
40°-50°	455.6	7.7
50°-60°	346.9	5.8
60°-70°	219.3	3.7
70°-80°	109.5	1.8
80°-90°	32.5	0.5
90°-100°	178.7	3.0
100°-110°	606.3	10.2
110°-120°	644.1	10.8
120°-130°	530.2	8.9
130°-140°	425.8	7.2
140°-150°	321.8	5.4
150°-160°	226.1	3.8
160°-170°	133.1	2.2
170°-180°	43.3	0.7
0°-30°	1149.8	19.3
0°-40°	1681.6	28.2
0°-60°	2484.1	41.7
0°-90°	2845.5	47.8
90°-120°	1429.1	24.0
90°-150°	2706.8	45.5
90°-180°	3109.0	52.2
0°-180°	5954.9	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°	28	1	28	1	28	16
95°	98	30	98	30	98	127
105°	968	105	968	105	968	937
115°	1274	185	1274	185	1274	1248
125°	1034	258	1034	258	1034	934
135°	857	302	857	302	857	666
145°	684	345	684	345	684	434
155°	575	393	575	393	575	268
165°	504	428	504	428	504	144
175°	455	446	455	446	455	44
180°	447	447	447	447	447	



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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°	13.0	13.4	13.4	13.4	13.4	13.3	12.9	13.7	13.4	14.0	13.4
90°	28.3	28.3	28.3	28.3	28.3	27.5	25.7	27.5	28.3	29.2	28.3
92.5°	47.6	49.0	48.3	51.1	51.7	57.1	64.3	74.9	94.4	111.7	110.1
95°	98.0	97.1	99.7	106.6	117.7	136.6	172.7	225.2	294.7	336.8	298.2
97.5°	192.9	200.0	212.6	233.8	274.8	336.8	429.8	525.4	603.2	575.1	433.1
100°	307.6	323.1	348.0	385.0	456.3	560.3	678.0	784.5	802.6	678.8	467.4
102.5°	541.4	562.3	593.4	656.5	734.0	844.2	930.3	954.3	876.8	682.3	454.4
105°	968.5	980.4	1017.4	1070.7	1123.9	1152.4	1141.2	1044.0	865.3	636.7	428.8
107.5°	1237.1	1253.0	1260.4	1263.3	1256.6	1215.0	1125.7	979.5	789.9	588.0	416.0
110°	1318.2	1319.1	1311.3	1294.9	1258.0	1187.6	1077.5	923.8	742.4	564.6	413.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1316.8	1312.2	1297.5	1270.2	1218.8	1138.1	1020.5	872.9	709.5	549.4	414.0
115°	1274.4	1266.6	1244.2	1204.7	1143.8	1055.2	942.6	810.3	668.6	532.8	417.6
117.5°	1198.5	1192.1	1168.5	1126.7	1064.5	981.5	879.4	763.2	642.7	524.7	423.8
120°	1149.8	1141.2	1116.2	1075.8	1015.7	937.5	846.4	739.9	629.0	519.9	427.9
122.5°	1098.9	1091.7	1069.4	1029.8	975.9	905.2	818.9	721.3	617.3	517.1	432.7
125°	1033.7	1026.8	1005.4	972.8	922.9	858.4	782.8	694.3	600.6	512.1	440.0
127.5°	976.7	971.2	952.6	922.0	878.6	819.1	747.8	667.7	585.2	509.2	447.4
130°	944.3	937.5	920.3	891.1	849.0	792.3	724.4	650.5	574.9	507.8	452.9
132.5°	910.7	904.5	888.7	859.5	818.0	764.7	702.4	634.0	566.6	507.1	458.3
135°	856.7	853.3	837.8	809.4	772.5	724.4	667.7	611.0	555.1	506.1	464.9
137.5°	803.8	798.7	785.1	760.7	726.9	685.0	640.0	592.5	547.0	505.9	470.7
140°	767.3	762.2	749.3	726.9	699.5	661.7	622.2	580.9	542.3	505.2	473.5
142.5°	730.9	729.9	718.4	698.1	672.0	640.3	606.3	571.3	537.4	505.2	475.5
145°	684.0	681.4	672.9	658.2	637.6	612.7	586.1	557.7	531.1	503.5	477.8
147.5°	644.6	643.1	637.2	625.6	608.6	590.3	569.6	547.2	524.5	500.5	478.5
150°	621.3	620.4	615.3	604.9	592.0	576.6	558.5	539.7	519.0	498.4	477.8
152.5°	601.3	601.2	597.4	588.4	578.3	564.9	549.6	532.1	514.2	495.0	476.4
155°	574.9	576.6	573.2	567.1	557.7	548.2	535.4	521.6	505.2	489.0	474.3
157.5°	552.3	552.3	550.8	545.8	539.2	531.8	520.9	509.4	496.9	482.8	470.4
160°	538.0	538.0	537.1	532.8	526.8	520.7	511.3	501.8	490.7	478.6	468.3
162.5°	524.2	524.9	524.0	521.1	515.1	510.4	502.3	494.3	485.2	475.2	466.2
165°	504.4	505.2	505.2	501.8	498.4	495.0	489.0	482.9	476.0	468.3	462.3
167.5°	486.2	487.2	487.4	485.5	484.0	480.9	476.7	472.1	467.1	462.3	458.3
170°	475.2	476.9	477.8	475.2	474.3	472.6	469.2	466.6	462.3	458.8	456.3
172.5°	466.2	467.3	468.1	466.9	466.1	465.0	462.3	460.4	457.5	454.8	453.6
175°	454.6	456.3	457.2	456.3	456.3	455.5	454.6	453.7	451.2	450.3	449.4
177.5°	447.5	448.9	449.6	449.6	449.6	449.6	448.9	448.9	447.5	446.9	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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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°	12.4	11.6	10.8	9.8	10.0	10.1	11.6	13.4	12.1	11.5	10.8
90°	23.2	17.2	12.9	10.3	8.6	6.9	3.4	0.9	3.4	6.9	8.6
92.5°	85.8	58.5	39.0	30.9	25.1	21.4	15.2	10.5	15.2	21.4	25.1
95°	198.5	123.7	84.2	63.6	49.9	42.1	33.5	30.0	33.5	42.1	49.9
97.5°	267.4	163.2	113.6	90.2	74.4	62.8	53.6	49.0	53.6	62.8	74.4
100°	281.9	177.0	131.5	107.5	90.2	76.5	68.7	66.1	68.7	76.5	90.2
102.5°	282.6	189.4	147.3	123.2	105.4	91.6	83.9	82.0	83.9	91.6	105.4
105°	287.0	210.5	170.1	146.1	127.2	114.3	108.3	104.9	108.3	114.3	127.2
107.5°	298.9	232.2	193.0	168.8	150.1	138.2	132.3	129.6	132.3	138.2	150.1
110°	308.5	246.6	208.8	183.9	165.8	154.6	149.6	146.1	149.6	154.6	165.8



TEST NUMBER: P331725-935

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	318.8	260.4	223.9	198.3	181.0	170.5	164.6	161.2	164.6	170.5	181.0
115°	334.2	281.9	244.9	221.7	204.5	194.2	189.1	184.8	189.1	194.2	204.5
117.5°	350.8	301.6	267.4	243.3	226.9	217.7	212.6	209.1	212.6	217.7	226.9
120°	361.8	315.4	281.9	257.8	240.6	232.9	227.7	224.3	227.7	232.9	240.6
122.5°	371.3	328.4	297.0	272.2	255.0	246.6	241.4	238.8	241.4	246.6	255.0
125°	386.7	348.0	317.1	293.0	275.9	265.5	260.4	257.8	260.4	265.5	275.9
127.5°	401.0	366.3	336.1	311.4	294.9	283.5	276.4	272.9	276.4	283.5	294.9
130°	409.9	377.2	347.2	323.1	305.9	293.9	285.2	281.9	285.2	293.9	305.9
132.5°	418.8	386.8	358.2	334.1	316.2	303.5	294.2	290.1	294.2	303.5	316.2
135°	430.5	400.5	372.9	348.9	329.1	316.2	305.9	302.5	305.9	316.2	329.1
137.5°	439.5	411.5	384.3	362.0	342.3	328.6	318.3	314.2	318.3	328.6	342.3
140°	444.3	417.6	391.8	369.5	350.6	336.8	326.6	323.1	326.6	336.8	350.6
142.5°	448.4	422.4	397.4	376.3	358.2	344.4	334.8	332.0	334.8	344.4	358.2
145°	453.7	429.6	406.5	387.5	370.4	357.5	348.9	345.4	348.9	357.5	370.4
147.5°	456.7	435.5	413.7	396.8	382.5	370.7	362.5	359.9	362.5	370.7	382.5
150°	458.0	438.2	418.4	403.0	390.1	378.9	372.0	369.5	372.0	378.9	390.1
152.5°	458.7	441.0	423.3	409.2	397.0	387.2	380.3	379.1	380.3	387.2	397.0
155°	459.7	445.1	430.5	417.6	408.2	398.7	393.6	392.7	393.6	398.7	408.2
157.5°	459.7	448.1	435.7	424.8	417.2	409.1	404.9	404.1	404.9	409.1	417.2
160°	459.7	449.4	439.1	429.6	422.8	415.9	412.5	411.6	412.5	415.9	422.8
162.5°	459.0	450.1	441.2	433.8	427.6	422.1	418.6	419.1	418.6	422.1	427.6
165°	457.2	451.2	443.4	438.2	433.9	428.8	427.1	427.9	427.1	428.8	433.9
167.5°	456.0	451.0	445.3	442.0	438.9	435.7	434.1	435.1	434.1	435.7	438.9
170°	454.6	450.3	446.0	443.4	441.7	439.1	438.2	440.0	438.2	439.1	441.7
172.5°	452.5	449.6	446.7	444.8	443.8	441.2	441.7	442.7	441.7	441.2	443.8
175°	450.3	448.6	446.9	446.0	446.0	444.3	445.1	446.0	445.1	444.3	446.0
177.5°	448.9	447.5	446.9	446.9	446.9	445.5	446.2	447.5	446.2	445.5	446.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331725-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A4

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°	10.8	10.8	10.8	12.0	13.0	12.7	12.5	11.9	11.5	11.9	11.6
90°	10.3	12.9	17.2	23.2	28.3	29.2	28.3	27.5	25.7	27.5	28.3
92.5°	30.9	39.0	58.5	85.8	110.1	111.7	94.4	74.9	64.3	57.1	51.7
95°	63.6	84.2	123.7	198.5	298.2	336.8	294.7	225.2	172.7	136.6	117.7
97.5°	90.2	113.6	163.2	267.4	433.1	575.1	603.2	525.4	429.8	336.8	274.8
100°	107.5	131.5	177.0	281.9	467.4	678.8	802.6	784.5	678.0	560.3	456.3
102.5°	123.2	147.3	189.4	282.6	454.4	682.3	876.8	954.3	930.3	844.2	734.0
105°	146.1	170.1	210.5	287.0	428.8	636.7	865.3	1044.0	1141.2	1152.4	1123.9
107.5°	168.8	193.0	232.2	298.9	416.0	588.0	789.9	979.5	1125.7	1215.0	1256.6
110°	183.9	208.8	246.6	308.5	413.4	564.6	742.4	923.8	1077.5	1187.6	1258.0



TEST NUMBER: P331725-935

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	198.3	223.9	260.4	318.8	414.0	549.4	709.5	872.9	1020.5	1138.1	1218.8
115°	221.7	244.9	281.9	334.2	417.6	532.8	668.6	810.3	942.6	1055.2	1143.8
117.5°	243.3	267.4	301.6	350.8	423.8	524.7	642.7	763.2	879.4	981.5	1064.5
120°	257.8	281.9	315.4	361.8	427.9	519.9	629.0	739.9	846.4	937.5	1015.7
122.5°	272.2	297.0	328.4	371.3	432.7	517.1	617.3	721.3	818.9	905.2	975.9
125°	293.0	317.1	348.0	386.7	440.0	512.1	600.6	694.3	782.8	858.4	922.9
127.5°	311.4	336.1	366.3	401.0	447.4	509.2	585.2	667.7	747.8	819.1	878.6
130°	323.1	347.2	377.2	409.9	452.9	507.8	574.9	650.5	724.4	792.3	849.0
132.5°	334.1	358.2	386.8	418.8	458.3	507.1	566.6	634.0	702.4	764.7	818.0
135°	348.9	372.9	400.5	430.5	464.9	506.1	555.1	611.0	667.7	724.4	772.5
137.5°	362.0	384.3	411.5	439.5	470.7	505.9	547.0	592.5	640.0	685.0	726.9
140°	369.5	391.8	417.6	444.3	473.5	505.2	542.3	580.9	622.2	661.7	699.5
142.5°	376.3	397.4	422.4	448.4	475.5	505.2	537.4	571.3	606.3	640.3	672.0
145°	387.5	406.5	429.6	453.7	477.8	503.5	531.1	557.7	586.1	612.7	637.6
147.5°	396.8	413.7	435.5	456.7	478.5	500.5	524.5	547.2	569.6	590.3	608.6
150°	403.0	418.4	438.2	458.0	477.8	498.4	519.0	539.7	558.5	576.6	592.0
152.5°	409.2	423.3	441.0	458.7	476.4	495.0	514.2	532.1	549.6	564.9	578.3
155°	417.6	430.5	445.1	459.7	474.3	489.0	505.2	521.6	535.4	548.2	557.7
157.5°	424.8	435.7	448.1	459.7	470.4	482.8	496.9	509.4	520.9	531.8	539.2
160°	429.6	439.1	449.4	459.7	468.3	478.6	490.7	501.8	511.3	520.7	526.8
162.5°	433.8	441.2	450.1	459.0	466.2	475.2	485.2	494.3	502.3	510.4	515.1
165°	438.2	443.4	451.2	457.2	462.3	468.3	476.0	482.9	489.0	495.0	498.4
167.5°	442.0	445.3	451.0	456.0	458.3	462.3	467.1	472.1	476.7	480.9	484.0
170°	443.4	446.0	450.3	454.6	456.3	458.8	462.3	466.6	469.2	472.6	474.3
172.5°	444.8	446.7	449.6	452.5	453.6	454.8	457.5	460.4	462.3	465.0	466.1
175°	446.0	446.9	448.6	450.3	449.4	450.3	451.2	453.7	454.6	455.5	456.3
177.5°	446.9	446.9	447.5	448.9	447.5	446.9	447.5	448.9	448.9	449.6	449.6
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331725-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A4

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°	11.6	11.2	11.6	11.2	11.6	11.2	11.6	11.6	11.9	11.5	11.9
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	27.5	25.7	27.5
92.5°	51.1	48.3	49.0	47.6	49.0	48.3	51.1	51.7	57.1	64.3	74.9
95°	106.6	99.7	97.1	98.0	97.1	99.7	106.6	117.7	136.6	172.7	225.2
97.5°	233.8	212.6	200.0	192.9	200.0	212.6	233.8	274.8	336.8	429.8	525.4
100°	385.0	348.0	323.1	307.6	323.1	348.0	385.0	456.3	560.3	678.0	784.5
102.5°	656.5	593.4	562.3	541.4	562.3	593.4	656.5	734.0	844.2	930.3	954.3
105°	1070.7	1017.4	980.4	968.5	980.4	1017.4	1070.7	1123.9	1152.4	1141.2	1044.0
107.5°	1263.3	1260.4	1253.0	1237.1	1253.0	1260.4	1263.3	1256.6	1215.0	1125.7	979.5
110°	1294.9	1311.3	1319.1	1318.2	1319.1	1311.3	1294.9	1258.0	1187.6	1077.5	923.8



TEST NUMBER: P331725-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1270.2	1297.5	1312.2	1316.8	1312.2	1297.5	1270.2	1218.8	1138.1	1020.5	872.9
115°	1204.7	1244.2	1266.6	1274.4	1266.6	1244.2	1204.7	1143.8	1055.2	942.6	810.3
117.5°	1126.7	1168.5	1192.1	1198.5	1192.1	1168.5	1126.7	1064.5	981.5	879.4	763.2
120°	1075.8	1116.2	1141.2	1149.8	1141.2	1116.2	1075.8	1015.7	937.5	846.4	739.9
122.5°	1029.8	1069.4	1091.7	1098.9	1091.7	1069.4	1029.8	975.9	905.2	818.9	721.3
125°	972.8	1005.4	1026.8	1033.7	1026.8	1005.4	972.8	922.9	858.4	782.8	694.3
127.5°	922.0	952.6	971.2	976.7	971.2	952.6	922.0	878.6	819.1	747.8	667.7
130°	891.1	920.3	937.5	944.3	937.5	920.3	891.1	849.0	792.3	724.4	650.5
132.5°	859.5	888.7	904.5	910.7	904.5	888.7	859.5	818.0	764.7	702.4	634.0
135°	809.4	837.8	853.3	856.7	853.3	837.8	809.4	772.5	724.4	667.7	611.0
137.5°	760.7	785.1	798.7	803.8	798.7	785.1	760.7	726.9	685.0	640.0	592.5
140°	726.9	749.3	762.2	767.3	762.2	749.3	726.9	699.5	661.7	622.2	580.9
142.5°	698.1	718.4	729.9	730.9	729.9	718.4	698.1	672.0	640.3	606.3	571.3
145°	658.2	672.9	681.4	684.0	681.4	672.9	658.2	637.6	612.7	586.1	557.7
147.5°	625.6	637.2	643.1	644.6	643.1	637.2	625.6	608.6	590.3	569.6	547.2
150°	604.9	615.3	620.4	621.3	620.4	615.3	604.9	592.0	576.6	558.5	539.7
152.5°	588.4	597.4	601.2	601.3	601.2	597.4	588.4	578.3	564.9	549.6	532.1
155°	567.1	573.2	576.6	574.9	576.6	573.2	567.1	557.7	548.2	535.4	521.6
157.5°	545.8	550.8	552.3	552.3	552.3	550.8	545.8	539.2	531.8	520.9	509.4
160°	532.8	537.1	538.0	538.0	538.0	537.1	532.8	526.8	520.7	511.3	501.8
162.5°	521.1	524.0	524.9	524.2	524.9	524.0	521.1	515.1	510.4	502.3	494.3
165°	501.8	505.2	505.2	504.4	505.2	501.8	498.4	495.0	489.0	482.9	472.1
167.5°	485.5	487.4	487.2	486.2	487.2	487.4	485.5	484.0	480.9	476.7	472.1
170°	475.2	477.8	476.9	475.2	476.9	477.8	475.2	474.3	472.6	469.2	466.6
172.5°	466.9	468.1	467.3	466.2	467.3	468.1	466.9	466.1	465.0	462.3	460.4
175°	456.3	457.2	456.3	454.6	456.3	457.2	456.3	456.3	455.5	454.6	453.7
177.5°	449.6	449.6	448.9	447.5	448.9	449.6	449.6	449.6	449.6	448.9	448.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331725-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A4

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°	12.5	12.7	13.0	12.0	10.8	10.8	10.8	10.8	11.5	12.1	13.4
90°	28.3	29.2	28.3	23.2	17.2	12.9	10.3	8.6	6.9	3.4	0.9
92.5°	94.4	111.7	110.1	85.8	58.5	39.0	30.9	25.1	21.4	15.2	10.5
95°	294.7	336.8	298.2	198.5	123.7	84.2	63.6	49.9	42.1	33.5	30.0
97.5°	603.2	575.1	433.1	267.4	163.2	113.6	90.2	74.4	62.8	53.6	49.0
100°	802.6	678.8	467.4	281.9	177.0	131.5	107.5	90.2	76.5	68.7	66.1
102.5°	876.8	682.3	454.4	282.6	189.4	147.3	123.2	105.4	91.6	83.9	82.0
105°	865.3	636.7	428.8	287.0	210.5	170.1	146.1	127.2	114.3	108.3	104.9
107.5°	789.9	588.0	416.0	298.9	232.2	193.0	168.8	150.1	138.2	132.3	129.6
110°	742.4	564.6	413.4	308.5	246.6	208.8	183.9	165.8	154.6	149.6	146.1



TEST NUMBER: P331725-935

CATALOG NUMBER: SA2XXRDIP-C865D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	709.5	549.4	414.0	318.8	260.4	223.9	198.3	181.0	170.5	164.6	161.2
115°	668.6	532.8	417.6	334.2	281.9	244.9	221.7	204.5	194.2	189.1	184.8
117.5°	642.7	524.7	423.8	350.8	301.6	267.4	243.3	226.9	217.7	212.6	209.1
120°	629.0	519.9	427.9	361.8	315.4	281.9	257.8	240.6	232.9	227.7	224.3
122.5°	617.3	517.1	432.7	371.3	328.4	297.0	272.2	255.0	246.6	241.4	238.8
125°	600.6	512.1	440.0	386.7	348.0	317.1	293.0	275.9	265.5	260.4	257.8
127.5°	585.2	509.2	447.4	401.0	366.3	336.1	311.4	294.9	283.5	276.4	272.9
130°	574.9	507.8	452.9	409.9	377.2	347.2	323.1	305.9	293.9	285.2	281.9
132.5°	566.6	507.1	458.3	418.8	386.8	358.2	334.1	316.2	303.5	294.2	290.1
135°	555.1	506.1	464.9	430.5	400.5	372.9	348.9	329.1	316.2	305.9	302.5
137.5°	547.0	505.9	470.7	439.5	411.5	384.3	362.0	342.3	328.6	318.3	314.2
140°	542.3	505.2	473.5	444.3	417.6	391.8	369.5	350.6	336.8	326.6	323.1
142.5°	537.4	505.2	475.5	448.4	422.4	397.4	376.3	358.2	344.4	334.8	332.0
145°	531.1	503.5	477.8	453.7	429.6	406.5	387.5	370.4	357.5	348.9	345.4
147.5°	524.5	500.5	478.5	456.7	435.5	413.7	396.8	382.5	370.7	362.5	359.9
150°	519.0	498.4	477.8	458.0	438.2	418.4	403.0	390.1	378.9	372.0	369.5
152.5°	514.2	495.0	476.4	458.7	441.0	423.3	409.2	397.0	387.2	380.3	379.1
155°	505.2	489.0	474.3	459.7	445.1	430.5	417.6	408.2	398.7	393.6	392.7
157.5°	496.9	482.8	470.4	459.7	448.1	435.7	424.8	417.2	409.1	404.9	404.1
160°	490.7	478.6	468.3	459.7	449.4	439.1	429.6	422.8	415.9	412.5	411.6
162.5°	485.2	475.2	466.2	459.0	450.1	441.2	433.8	427.6	422.1	418.6	419.1
165°	476.0	468.3	462.3	457.2	451.2	443.4	438.2	433.9	428.8	427.1	427.9
167.5°	467.1	462.3	458.3	456.0	451.0	445.3	442.0	438.9	435.7	434.1	435.1
170°	462.3	458.8	456.3	454.6	450.3	446.0	443.4	441.7	439.1	438.2	440.0
172.5°	457.5	454.8	453.6	452.5	449.6	446.7	444.8	443.8	441.2	441.7	442.7
175°	451.2	450.3	449.4	450.3	448.6	446.9	446.0	446.0	444.3	445.1	446.0
177.5°	447.5	446.9	447.5	448.9	447.5	446.9	446.9	446.9	445.5	446.2	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



TEST NUMBER: P331725-935
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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	10.1	10.0	9.8	10.8	11.6	12.4	13.4	14.0	13.4	13.7
90°	3.4	6.9	8.6	10.3	12.9	17.2	23.2	28.3	29.2	28.3	27.5
92.5°	15.2	21.4	25.1	30.9	39.0	58.5	85.8	110.1	111.7	94.4	74.9
95°	33.5	42.1	49.9	63.6	84.2	123.7	198.5	298.2	336.8	294.7	225.2
97.5°	53.6	62.8	74.4	90.2	113.6	163.2	267.4	433.1	575.1	603.2	525.4
100°	68.7	76.5	90.2	107.5	131.5	177.0	281.9	467.4	678.8	802.6	784.5
102.5°	83.9	91.6	105.4	123.2	147.3	189.4	282.6	454.4	682.3	876.8	954.3
105°	108.3	114.3	127.2	146.1	170.1	210.5	287.0	428.8	636.7	865.3	1044.0
107.5°	132.3	138.2	150.1	168.8	193.0	232.2	298.9	416.0	588.0	789.9	979.5
110°	149.6	154.6	165.8	183.9	208.8	246.6	308.5	413.4	564.6	742.4	923.8



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	164.6	170.5	181.0	198.3	223.9	260.4	318.8	414.0	549.4	709.5	872.9
115°	189.1	194.2	204.5	221.7	244.9	281.9	334.2	417.6	532.8	668.6	810.3
117.5°	212.6	217.7	226.9	243.3	267.4	301.6	350.8	423.8	524.7	642.7	763.2
120°	227.7	232.9	240.6	257.8	281.9	315.4	361.8	427.9	519.9	629.0	739.9
122.5°	241.4	246.6	255.0	272.2	297.0	328.4	371.3	432.7	517.1	617.3	721.3
125°	260.4	265.5	275.9	293.0	317.1	348.0	386.7	440.0	512.1	600.6	694.3
127.5°	276.4	283.5	294.9	311.4	336.1	366.3	401.0	447.4	509.2	585.2	667.7
130°	285.2	293.9	305.9	323.1	347.2	377.2	409.9	452.9	507.8	574.9	650.5
132.5°	294.2	303.5	316.2	334.1	358.2	386.8	418.8	458.3	507.1	566.6	634.0
135°	305.9	316.2	329.1	348.9	372.9	400.5	430.5	464.9	506.1	555.1	611.0
137.5°	318.3	328.6	342.3	362.0	384.3	411.5	439.5	470.7	505.9	547.0	592.5
140°	326.6	336.8	350.6	369.5	391.8	417.6	444.3	473.5	505.2	542.3	580.9
142.5°	334.8	344.4	358.2	376.3	397.4	422.4	448.4	475.5	505.2	537.4	571.3
145°	348.9	357.5	370.4	387.5	406.5	429.6	453.7	477.8	503.5	531.1	557.7
147.5°	362.5	370.7	382.5	396.8	413.7	435.5	456.7	478.5	500.5	524.5	547.2
150°	372.0	378.9	390.1	403.0	418.4	438.2	458.0	477.8	498.4	519.0	539.7
152.5°	380.3	387.2	397.0	409.2	423.3	441.0	458.7	476.4	495.0	514.2	532.1
155°	393.6	398.7	408.2	417.6	430.5	445.1	459.7	474.3	489.0	505.2	521.6
157.5°	404.9	409.1	417.2	424.8	435.7	448.1	459.7	470.4	482.8	496.9	509.4
160°	412.5	415.9	422.8	429.6	439.1	449.4	459.7	468.3	478.6	490.7	501.8
162.5°	418.6	422.1	427.6	433.8	441.2	450.1	459.0	466.2	475.2	485.2	494.3
165°	427.1	428.8	433.9	438.2	443.4	451.2	457.2	462.3	468.3	476.0	482.9
167.5°	434.1	435.7	438.9	442.0	445.3	451.0	456.0	458.3	462.3	467.1	472.1
170°	438.2	439.1	441.7	443.4	446.0	450.3	454.6	456.3	458.8	462.3	466.6
172.5°	441.7	441.2	443.8	444.8	446.7	449.6	452.5	453.6	454.8	457.5	460.4
175°	445.1	444.3	446.0	446.0	446.9	448.6	450.3	449.4	450.3	451.2	453.7
177.5°	446.2	445.5	446.9	446.9	446.9	447.5	448.9	447.5	446.9	447.5	448.9
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9	446.9



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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°	12.9	13.3	13.4	13.4	13.4	13.4	13.0
90°	25.7	27.5	28.3	28.3	28.3	28.3	28.3
92.5°	64.3	57.1	51.7	51.1	48.3	49.0	47.6
95°	172.7	136.6	117.7	106.6	99.7	97.1	98.0
97.5°	429.8	336.8	274.8	233.8	212.6	200.0	192.9
100°	678.0	560.3	456.3	385.0	348.0	323.1	307.6
102.5°	930.3	844.2	734.0	656.5	593.4	562.3	541.4
105°	1141.2	1152.4	1123.9	1070.7	1017.4	980.4	968.5
107.5°	1125.7	1215.0	1256.6	1263.3	1260.4	1253.0	1237.1
110°	1077.5	1187.6	1258.0	1294.9	1311.3	1319.1	1318.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	1020.5	1138.1	1218.8	1270.2	1297.5	1312.2	1316.8
115°	942.6	1055.2	1143.8	1204.7	1244.2	1266.6	1274.4
117.5°	879.4	981.5	1064.5	1126.7	1168.5	1192.1	1198.5
120°	846.4	937.5	1015.7	1075.8	1116.2	1141.2	1149.8
122.5°	818.9	905.2	975.9	1029.8	1069.4	1091.7	1098.9
125°	782.8	858.4	922.9	972.8	1005.4	1026.8	1033.7
127.5°	747.8	819.1	878.6	922.0	952.6	971.2	976.7
130°	724.4	792.3	849.0	891.1	920.3	937.5	944.3
132.5°	702.4	764.7	818.0	859.5	888.7	904.5	910.7
135°	667.7	724.4	772.5	809.4	837.8	853.3	856.7
137.5°	640.0	685.0	726.9	760.7	785.1	798.7	803.8
140°	622.2	661.7	699.5	726.9	749.3	762.2	767.3
142.5°	606.3	640.3	672.0	698.1	718.4	729.9	730.9
145°	586.1	612.7	637.6	658.2	672.9	681.4	684.0
147.5°	569.6	590.3	608.6	625.6	637.2	643.1	644.6
150°	558.5	576.6	592.0	604.9	615.3	620.4	621.3
152.5°	549.6	564.9	578.3	588.4	597.4	601.2	601.3
155°	535.4	548.2	557.7	567.1	573.2	576.6	574.9
157.5°	520.9	531.8	539.2	545.8	550.8	552.3	552.3
160°	511.3	520.7	526.8	532.8	537.1	538.0	538.0
162.5°	502.3	510.4	515.1	521.1	524.0	524.9	524.2
165°	489.0	495.0	498.4	501.8	505.2	505.2	504.4
167.5°	476.7	480.9	484.0	485.5	487.4	487.2	486.2
170°	469.2	472.6	474.3	475.2	477.8	476.9	475.2
172.5°	462.3	465.0	466.1	466.9	468.1	467.3	466.2
175°	454.6	455.5	456.3	456.3	457.2	456.3	454.6
177.5°	448.9	449.6	449.6	449.6	449.6	448.9	447.5
180°	446.9	446.9	446.9	446.9	446.9	446.9	446.9

(END OF REPORT)