

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: P331449-927

Luminaire Tested: **SA2XXDIP-C1005D925U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331449-927
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: SA2XXDIP-C1005D925U927-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 925 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

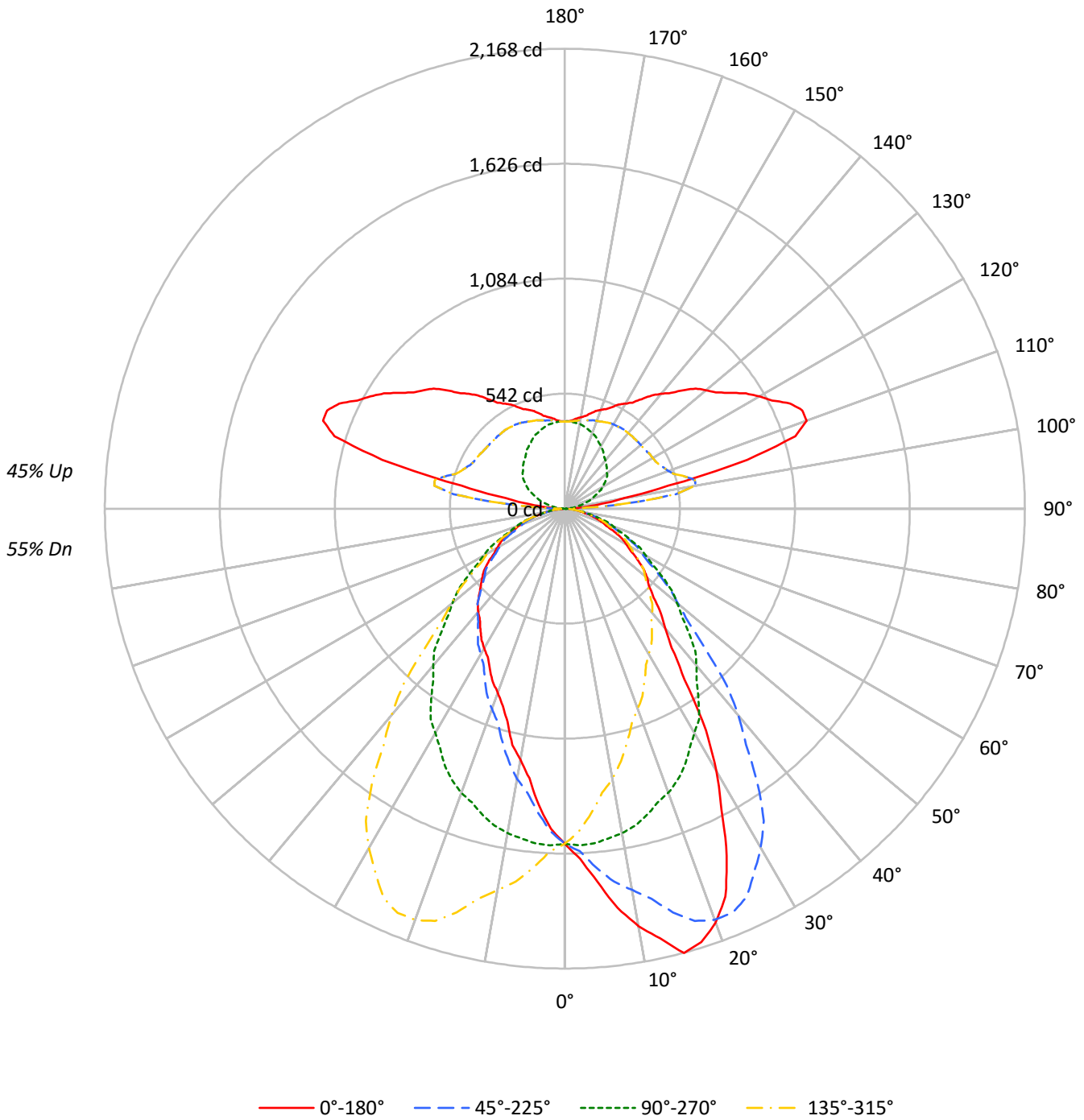
Lumens per Lamp: N/A
Luminaire Lumens: 6349.6 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 66.8
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	54	53	52	47
2	91	84	78	73	84	78	73	69	67	64	60	58	55	52	49	47	45	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	39	35
4	77	66	58	52	71	62	55	50	54	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	43	39	42	37	34	36	32	30	27
6	65	53	45	40	60	50	43	38	44	38	34	38	34	30	33	29	27	24
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21
8	56	44	36	31	52	41	35	30	37	31	27	32	27	24	28	24	22	19
9	52	40	33	28	49	38	31	27	34	28	24	29	25	22	26	22	20	17
10	49	37	30	25	46	35	29	24	31	26	22	27	23	20	24	20	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25504	25504	25504	25504
5°	28593	25671	22749	25671
10°	32765	25460	19687	25460
15°	36247	24993	17392	24993
20°	35696	24493	15856	24493
25°	32186	23826	14883	23826
30°	26597	22760	14171	22760
35°	19385	21646	13665	21646
40°	15483	20331	13384	20331
45°	13531	18810	13001	18810
50°	12717	17337	12750	17337
55°	11724	15842	12408	15842
60°	10743	14250	11880	14250
65°	9788	12825	11366	12825
70°	8884	11434	10607	11434
75°	7879	9881	9395	9881
80°	6778	8182	7569	8182
85°	6076	6076	4502	6076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	2.4
10°-20°	437.4	6.9
20°-30°	634.7	10.0
30°-40°	669.8	10.5
40°-50°	593.0	9.3
50°-60°	473.3	7.5
60°-70°	321.7	5.1
70°-80°	164.9	2.6
80°-90°	43.5	0.7
90°-100°	164.4	2.6
100°-110°	557.8	8.8
110°-120°	592.6	9.3
120°-130°	487.8	7.7
130°-140°	391.8	6.2
140°-150°	296.0	4.7
150°-160°	208.1	3.3
160°-170°	122.5	1.9
170°-180°	39.9	0.6
0°-30°	1222.5	19.3
0°-40°	1892.3	29.8
0°-60°	2958.6	46.6
0°-90°	3488.7	54.9
90°-120°	1314.8	20.7
90°-150°	2490.5	39.2
90°-180°	2861.0	45.1
0°-180°	6349.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1580	1580	1580	1580	1580	
5°	1764	1584	1404	1584	1764	176
15°	2168	1495	1040	1495	2168	598
25°	1807	1337	835	1337	1807	817
35°	984	1098	693	1098	984	640
45°	593	824	569	824	593	466
55°	416	563	441	563	416	373
65°	256	336	298	336	256	255
75°	126	158	151	158	126	135
85°	33	33	24	33	33	37
90°	26	1	26	1	26	16
95°	90	28	90	28	90	117
105°	891	96	891	96	891	862
115°	1172	170	1172	170	1172	1148
125°	951	237	951	237	951	859
135°	788	278	788	278	788	612
145°	629	318	629	318	629	400
155°	529	361	529	361	529	247
165°	464	394	464	394	464	133
175°	418	410	418	410	418	41
180°	411	411	411	411	411	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1652.5	1653.0	1653.9	1646.2	1645.2	1645.2	1638.4	1632.6	1625.8	1616.5	1617.6
5°	1764.2	1770.8	1773.3	1766.0	1755.1	1753.9	1743.6	1726.6	1710.8	1698.0	1688.9
7.5°	1897.5	1900.2	1894.3	1884.7	1876.5	1861.9	1842.8	1823.9	1797.6	1773.5	1755.5
10°	1998.5	2002.2	1991.9	1977.9	1966.4	1949.4	1921.4	1892.9	1858.3	1825.0	1798.2
12.5°	2075.3	2084.2	2071.0	2069.2	2049.5	2026.1	1992.8	1978.4	1929.7	1883.2	1854.6
15°	2168.5	2167.9	2169.2	2157.6	2143.0	2139.4	2104.2	2065.9	1997.3	1970.0	1922.6
17.5°	2141.6	2150.8	2155.1	2154.9	2154.6	2152.3	2141.0	2116.8	2082.4	2038.1	1983.5
20°	2077.5	2089.6	2091.4	2105.4	2113.3	2123.6	2127.9	2121.1	2099.9	2062.9	2015.5
22.5°	1978.4	1981.8	1987.5	2009.2	2026.3	2052.2	2065.7	2088.1	2080.0	2061.9	2022.4
25°	1806.7	1800.6	1821.9	1832.8	1872.2	1913.5	1943.3	1976.1	2005.3	2022.8	2011.3
27.5°	1600.5	1591.4	1623.3	1652.3	1684.3	1729.0	1775.4	1830.1	1875.7	1932.6	1952.2
30°	1426.6	1432.1	1462.4	1493.4	1542.0	1605.1	1657.3	1717.5	1782.4	1846.2	1890.5
32.5°	1239.2	1260.2	1279.4	1326.8	1369.6	1440.0	1516.5	1591.7	1672.7	1745.2	1813.8
35°	983.5	1007.7	1034.5	1069.1	1129.2	1199.0	1273.7	1375.1	1485.6	1584.5	1665.9
37.5°	827.8	823.9	839.2	864.3	912.9	969.3	1055.3	1155.4	1285.5	1401.8	1516.5
40°	734.6	732.1	743.1	766.1	803.2	844.5	919.7	1007.7	1128.5	1270.7	1407.2
42.5°	670.5	671.9	678.0	694.3	719.6	753.6	810.0	884.9	995.5	1129.3	1276.1
45°	592.6	596.8	603.5	611.3	625.9	653.9	685.4	738.9	826.2	937.9	1082.4
47.5°	536.4	536.5	543.4	550.2	558.9	574.6	600.4	633.9	695.6	786.6	910.8
50°	506.3	502.1	506.9	512.4	521.5	532.4	549.4	581.0	622.3	695.7	799.5
52.5°	469.4	469.5	473.9	475.9	484.1	495.0	510.6	532.4	569.8	627.2	712.6
55°	416.5	419.5	421.9	425.6	432.8	440.8	452.9	467.5	496.6	539.7	602.9
57.5°	366.7	367.7	370.1	377.0	381.6	388.9	400.4	413.7	432.6	464.5	512.0
60°	332.7	332.7	337.5	340.6	346.7	353.9	363.1	375.8	392.8	418.9	457.2
62.5°	301.6	301.1	303.1	308.0	312.7	319.5	328.5	339.4	355.4	378.6	410.0
65°	256.2	255.0	258.6	259.8	264.7	271.4	278.7	290.2	302.9	320.0	347.8
67.5°	212.5	214.0	215.9	218.2	220.9	227.9	232.7	240.9	251.7	265.8	284.7
70°	188.2	188.2	188.2	190.0	193.7	197.3	202.2	208.8	219.2	231.3	248.3
72.5°	161.0	163.0	164.9	163.8	168.4	170.6	176.4	180.2	190.0	197.8	212.9
75°	126.3	126.3	126.3	129.3	131.1	132.9	136.6	140.2	145.1	154.8	162.7
77.5°	94.2	94.0	94.6	95.3	97.3	99.4	100.5	103.8	108.3	112.8	119.5
80°	72.9	74.1	74.7	75.9	75.9	77.1	77.7	82.0	85.0	88.0	92.3
82.5°	56.3	56.6	56.7	57.0	57.4	58.1	59.7	61.1	62.2	64.7	68.0
85°	32.8	32.2	32.2	33.4	32.8	32.8	34.0	35.2	35.2	35.8	37.6
87.5°	17.8	17.8	18.3	17.8	17.8	18.1	17.8	17.7	18.3	19.0	19.3
90°	26.1	26.1	26.1	26.1	26.1	25.3	23.7	25.3	26.1	26.9	26.1
92.5°	43.8	45.1	44.4	47.0	47.6	52.5	59.2	68.9	86.8	102.7	101.3
95°	90.2	89.4	91.7	98.1	108.3	125.7	158.9	207.2	271.2	309.9	274.3
97.5°	177.4	184.0	195.6	215.1	252.9	309.9	395.5	483.4	555.0	529.1	398.5
100°	283.0	297.3	320.2	354.2	419.9	515.5	623.8	721.8	738.5	624.6	430.1
102.5°	498.1	517.4	546.0	604.0	675.3	776.7	856.0	878.1	806.8	627.7	418.1
105°	891.0	902.1	936.1	985.1	1034.1	1060.3	1050.0	960.6	796.1	585.8	394.5
107.5°	1138.2	1152.9	1159.7	1162.4	1156.2	1117.9	1035.7	901.2	726.7	541.0	382.8
110°	1212.8	1213.6	1206.5	1191.4	1157.5	1092.7	991.4	849.9	683.1	519.4	380.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1211.6	1207.3	1193.8	1168.7	1121.4	1047.1	939.0	803.1	652.8	505.5	380.9
115°	1172.5	1165.4	1144.8	1108.4	1052.3	970.9	867.3	745.5	615.1	490.2	384.2
117.5°	1102.7	1096.8	1075.1	1036.6	979.5	903.0	809.1	702.2	591.4	482.8	389.9
120°	1057.9	1050.0	1027.0	989.8	934.5	862.5	778.8	680.7	578.8	478.3	393.7
122.5°	1011.1	1004.4	984.0	947.5	897.9	832.8	753.4	663.6	568.0	475.8	398.2
125°	951.1	944.8	925.0	895.0	849.1	789.8	720.3	638.8	552.6	471.2	404.8
127.5°	898.7	893.6	876.5	848.3	808.3	753.6	688.0	614.3	538.4	468.5	411.6
130°	868.9	862.5	846.8	819.9	781.2	729.0	666.5	598.5	528.9	467.2	416.7
132.5°	837.9	832.2	817.7	790.8	752.7	703.6	646.3	583.3	521.3	466.6	421.7
135°	788.2	785.1	770.9	744.7	710.7	666.5	614.3	562.1	510.7	465.6	427.7
137.5°	739.6	734.8	722.3	699.9	668.8	630.3	588.8	545.2	503.3	465.5	433.1
140°	706.0	701.3	689.4	668.8	643.6	608.8	572.4	534.5	498.9	464.9	435.6
142.5°	672.5	671.5	661.0	642.3	618.3	589.1	557.9	525.6	494.5	464.9	437.5
145°	629.3	626.9	619.1	605.6	586.6	563.7	539.2	513.1	488.6	463.3	439.6
147.5°	593.1	591.7	586.3	575.6	559.9	543.1	524.0	503.4	482.6	460.5	440.2
150°	571.6	570.8	566.1	556.6	544.7	530.5	513.9	496.5	477.5	458.6	439.6
152.5°	553.3	553.1	549.6	541.4	532.1	519.8	505.6	489.6	473.1	455.4	438.3
155°	528.9	530.5	527.4	521.8	513.1	504.4	492.6	479.9	464.9	449.9	436.4
157.5°	508.2	508.2	506.8	502.2	496.1	489.3	479.3	468.7	457.2	444.2	432.8
160°	495.0	495.0	494.2	490.2	484.7	479.1	470.4	461.7	451.5	440.4	430.9
162.5°	482.3	482.9	482.1	479.4	473.9	469.6	462.2	454.8	446.4	437.2	429.0
165°	464.1	464.9	464.9	461.7	458.6	455.4	449.9	444.3	438.0	430.9	425.3
167.5°	447.3	448.3	448.5	446.7	445.3	442.4	438.6	434.4	429.8	425.3	421.7
170°	437.2	438.8	439.6	437.2	436.4	434.8	431.7	429.3	425.3	422.2	419.9
172.5°	429.0	429.9	430.7	429.6	428.8	427.9	425.3	423.6	421.0	418.4	417.3
175°	418.3	419.9	420.6	419.9	419.9	419.1	418.3	417.5	415.1	414.3	413.5
177.5°	411.8	413.0	413.7	413.7	413.7	413.7	413.0	413.0	411.8	411.1	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1621.0	1617.1	1614.6	1605.9	1598.1	1590.3	1587.9	1588.9	1578.2	1568.0	1563.6
5°	1684.1	1671.9	1660.4	1644.0	1624.6	1603.3	1592.4	1583.9	1562.7	1539.6	1526.2
7.5°	1740.7	1723.3	1701.1	1670.2	1642.0	1608.5	1587.3	1568.4	1537.4	1504.8	1484.9
10°	1775.1	1751.4	1722.9	1685.3	1650.7	1610.0	1581.4	1552.9	1516.5	1477.7	1453.3
12.5°	1804.7	1772.8	1744.8	1696.5	1655.5	1604.6	1570.8	1530.6	1492.2	1446.0	1422.3
15°	1875.3	1816.4	1763.0	1708.3	1658.0	1586.9	1549.3	1495.2	1444.9	1387.8	1360.5
17.5°	1929.8	1863.6	1779.5	1710.1	1651.3	1572.6	1517.3	1452.6	1393.1	1327.9	1290.7
20°	1960.9	1885.0	1794.5	1712.0	1641.6	1551.7	1491.6	1425.5	1355.7	1282.1	1242.1
22.5°	1979.3	1899.6	1810.1	1704.7	1622.2	1534.7	1459.0	1386.6	1315.8	1236.5	1194.5
25°	1985.2	1912.3	1817.7	1698.7	1597.8	1498.9	1407.9	1337.4	1251.8	1177.7	1116.4
27.5°	1956.3	1904.1	1813.0	1687.2	1569.8	1454.1	1352.6	1272.8	1182.5	1102.1	1040.5
30°	1920.8	1890.5	1801.8	1675.5	1547.4	1423.0	1311.3	1220.8	1131.0	1049.6	986.5
32.5°	1866.0	1859.4	1781.5	1659.1	1523.7	1383.7	1268.1	1176.6	1077.1	997.2	937.0
35°	1758.2	1787.2	1738.1	1622.2	1478.8	1327.7	1202.6	1098.2	995.1	918.5	862.1
37.5°	1613.7	1686.0	1673.2	1568.1	1418.4	1266.8	1128.7	1019.5	921.2	844.0	788.6
40°	1514.1	1606.4	1619.7	1526.9	1375.7	1219.6	1073.3	964.6	868.7	798.4	742.4
42.5°	1407.2	1515.0	1551.7	1477.3	1329.0	1170.1	1023.8	911.2	816.3	747.8	698.3
45°	1228.1	1370.8	1437.0	1394.5	1251.3	1088.5	937.9	823.8	737.6	673.3	635.0
47.5°	1060.7	1216.6	1305.6	1290.5	1164.7	1003.5	854.7	745.1	661.2	609.9	575.7
50°	942.2	1102.5	1209.9	1214.8	1102.5	942.8	793.4	690.2	613.1	565.2	537.3
52.5°	839.2	992.2	1109.4	1135.1	1033.0	879.6	738.6	635.9	568.0	523.9	498.9
55°	704.8	834.2	964.1	1011.4	929.5	783.8	653.2	562.8	499.0	468.7	446.8
57.5°	586.0	693.8	813.7	866.1	815.6	690.9	568.5	489.9	438.2	411.6	394.8
60°	523.3	608.3	715.2	777.7	734.0	622.9	516.0	441.3	398.9	375.2	359.4
62.5°	465.0	540.3	630.7	687.9	664.0	559.3	463.6	397.7	361.0	338.7	327.3
65°	383.7	443.1	513.0	565.8	550.0	470.5	392.2	335.7	306.6	289.0	279.9
67.5°	315.9	358.9	407.3	453.6	440.8	384.5	321.6	277.7	256.0	240.7	235.3
70°	273.2	305.9	349.1	386.1	375.8	329.6	279.9	242.2	223.4	210.6	205.2
72.5°	232.4	259.4	292.2	322.5	315.5	277.2	235.7	207.2	192.8	181.0	176.6
75°	175.5	196.1	216.1	236.1	234.3	204.6	180.3	158.4	146.9	137.8	136.0
77.5°	129.5	141.1	154.7	166.6	163.3	146.3	127.2	114.7	106.2	100.1	99.2
80°	98.9	105.6	115.3	123.8	119.6	112.3	97.1	88.0	82.0	75.9	73.4
82.5°	71.8	78.4	84.3	88.9	85.6	78.8	69.5	63.3	59.7	55.5	54.5
85°	37.6	41.3	43.7	44.9	43.7	39.5	35.2	32.8	29.8	28.0	27.3
87.5°	18.9	17.7	17.0	17.4	15.7	15.4	12.8	10.9	10.9	11.0	10.3
90°	21.3	15.8	11.9	9.5	7.9	6.3	3.2	0.8	3.2	6.3	7.9
92.5°	78.9	53.8	35.9	28.4	23.1	19.6	13.9	9.7	13.9	19.6	23.1
95°	182.6	113.8	77.5	58.5	45.9	38.7	30.8	27.6	30.8	38.7	45.9
97.5°	246.1	150.2	104.5	83.0	68.4	57.8	49.4	45.1	49.4	57.8	68.4
100°	259.4	162.9	121.0	98.9	83.0	70.3	63.2	60.8	63.2	70.3	83.0
102.5°	260.0	174.3	135.5	113.4	97.0	84.3	77.2	75.4	77.2	84.3	97.0
105°	264.0	193.7	156.5	134.4	117.0	105.1	99.7	96.5	99.7	105.1	117.0
107.5°	275.0	213.7	177.6	155.3	138.1	127.1	121.8	119.2	121.8	127.1	138.1
110°	283.8	226.9	192.1	169.2	152.6	142.3	137.6	134.4	137.6	142.3	152.6



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CATALOG NUMBER: SA2XXDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	293.3	239.6	206.0	182.4	166.5	156.9	151.5	148.3	151.5	156.9	166.5
115°	307.5	259.4	225.3	204.0	188.1	178.7	174.0	170.0	174.0	178.7	188.1
117.5°	322.7	277.5	246.1	223.9	208.7	200.3	195.6	192.4	195.6	200.3	208.7
120°	332.9	290.2	259.4	237.2	221.3	214.3	209.5	206.4	209.5	214.3	221.3
122.5°	341.7	302.1	273.2	250.5	234.6	226.9	222.1	219.7	222.1	226.9	234.6
125°	355.8	320.2	291.8	269.6	253.8	244.3	239.6	237.2	239.6	244.3	253.8
127.5°	368.9	337.0	309.3	286.5	271.3	260.9	254.3	251.1	254.3	260.9	271.3
130°	377.2	347.1	319.4	297.3	281.5	270.4	262.4	259.4	262.4	270.4	281.5
132.5°	385.3	355.9	329.5	307.4	291.0	279.2	270.7	266.9	270.7	279.2	291.0
135°	396.1	368.4	343.1	321.0	302.8	291.0	281.5	278.3	281.5	291.0	302.8
137.5°	404.3	378.6	353.6	333.0	315.0	302.3	292.9	289.1	292.9	302.3	315.0
140°	408.8	384.2	360.5	340.0	322.6	309.9	300.5	297.3	300.5	309.9	322.6
142.5°	412.6	388.6	365.6	346.3	329.5	316.9	308.0	305.5	308.0	316.9	329.5
145°	417.5	395.3	374.0	356.6	340.8	328.9	321.0	317.8	321.0	328.9	340.8
147.5°	420.2	400.7	380.6	365.1	352.0	341.0	333.5	331.1	333.5	341.0	352.0
150°	421.4	403.2	385.0	370.8	358.9	348.6	342.3	340.0	342.3	348.6	358.9
152.5°	422.0	405.8	389.4	376.5	365.3	356.2	349.9	348.8	349.9	356.2	365.3
155°	422.9	409.6	396.1	384.2	375.6	366.9	362.1	361.3	362.1	366.9	375.6
157.5°	422.9	412.3	400.8	390.9	383.9	376.4	372.6	371.8	372.6	376.4	383.9
160°	422.9	413.5	404.0	395.3	389.0	382.6	379.5	378.7	379.5	382.6	389.0
162.5°	422.3	414.2	405.9	399.1	393.4	388.3	385.2	385.6	385.2	388.3	393.4
165°	420.6	415.1	408.0	403.2	399.3	394.5	392.9	393.7	392.9	394.5	399.3
167.5°	419.5	414.9	409.7	406.7	403.9	400.8	399.4	400.4	399.4	400.8	403.9
170°	418.3	414.3	410.4	408.0	406.4	404.0	403.2	404.8	403.2	404.0	406.4
172.5°	416.4	413.7	411.0	409.2	408.3	405.9	406.4	407.3	406.4	405.9	408.3
175°	414.3	412.7	411.1	410.4	410.4	408.8	409.6	410.4	409.6	408.8	410.4
177.5°	413.0	411.8	411.1	411.1	411.1	409.9	410.5	411.8	410.5	409.9	411.1
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331449-927

CATALOG NUMBER: SA2XXDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1558.8	1555.8	1545.6	1540.3	1531.6	1523.3	1518.0	1520.4	1522.3	1521.4	1519.9
5°	1514.1	1502.5	1484.9	1469.7	1458.8	1438.8	1430.3	1426.1	1422.4	1418.2	1413.9
7.5°	1460.9	1442.7	1417.5	1395.8	1375.4	1350.5	1336.3	1327.9	1319.1	1309.5	1301.0
10°	1423.0	1397.5	1370.8	1340.5	1316.2	1293.7	1273.7	1260.3	1248.2	1236.7	1228.1
12.5°	1383.2	1353.8	1320.8	1279.3	1252.5	1220.4	1217.3	1193.8	1174.8	1167.7	1157.7
15°	1319.8	1278.5	1236.7	1187.5	1166.3	1137.1	1118.9	1100.7	1084.3	1072.7	1069.7
17.5°	1247.8	1194.4	1152.7	1117.4	1082.6	1052.7	1035.9	1021.4	1007.9	992.4	990.4
20°	1192.9	1146.8	1101.3	1070.3	1034.5	1004.1	983.5	968.9	957.4	948.2	940.4
22.5°	1141.0	1090.4	1048.8	1014.9	979.6	955.1	938.8	924.7	915.1	905.1	897.6
25°	1057.6	1018.1	972.6	934.3	905.1	889.4	876.0	863.9	857.9	851.1	842.6
27.5°	984.6	940.7	898.1	868.5	842.9	828.9	819.4	811.2	805.5	801.6	796.8
30°	933.1	888.7	855.4	826.2	805.0	791.1	785.0	780.1	773.4	771.0	768.6
32.5°	883.5	843.6	815.1	789.8	769.5	760.4	754.9	750.5	745.3	742.8	738.0
35°	813.5	780.1	752.2	738.2	721.8	713.9	709.7	703.6	698.8	696.3	695.7
37.5°	747.6	718.6	700.2	682.2	675.3	670.5	664.6	660.5	659.1	658.7	658.1
40°	704.8	681.1	664.8	650.2	647.1	639.8	635.0	631.4	631.4	632.0	631.4
42.5°	666.0	644.8	630.3	617.7	614.1	609.7	604.9	604.7	605.6	607.7	605.6
45°	607.1	591.9	581.6	575.5	568.9	564.6	564.0	565.8	566.4	567.0	568.9
47.5°	552.9	542.9	533.5	526.8	523.9	523.2	522.4	525.6	528.5	529.7	532.4
50°	520.9	509.4	501.5	497.2	494.8	493.5	494.8	498.4	500.8	503.9	505.7
52.5°	485.0	476.8	471.3	468.1	467.1	467.9	468.1	472.2	476.1	477.2	478.0
55°	435.3	429.2	428.0	422.6	424.9	424.4	427.4	429.8	433.5	437.1	437.7
57.5°	385.7	380.9	377.6	378.1	378.8	381.5	384.0	388.3	392.2	396.1	396.4
60°	352.8	350.3	348.5	348.5	349.7	353.3	356.3	360.6	363.1	365.4	367.3
62.5°	322.6	320.2	318.4	319.3	322.5	324.6	328.2	330.5	333.0	335.3	336.2
65°	275.0	273.8	275.6	276.9	277.4	280.5	284.7	286.5	289.0	290.2	294.5
67.5°	231.2	231.4	231.2	232.9	236.4	237.1	241.1	245.4	245.9	248.2	251.0
70°	201.5	202.8	204.0	205.2	208.3	209.5	212.5	214.3	216.7	218.6	220.4
72.5°	174.4	174.6	175.8	175.5	178.1	180.8	183.3	185.1	187.6	189.9	191.7
75°	134.2	134.2	135.4	136.0	139.0	142.0	141.5	142.7	145.1	147.5	148.8
77.5°	98.0	96.6	98.0	98.6	99.6	102.1	102.6	104.3	107.1	106.2	107.6
80°	74.7	72.9	74.7	75.3	75.3	78.3	78.3	79.5	81.4	79.5	81.4
82.5°	53.3	52.4	53.8	53.9	54.9	55.0	56.0	56.2	58.1	57.2	58.1
85°	26.7	26.1	26.7	26.1	26.7	27.3	27.3	26.7	26.7	28.0	26.1
87.5°	10.1	10.1	10.5	11.6	12.0	11.7	11.0	10.9	10.5	9.9	10.1
90°	9.5	11.9	15.8	21.3	26.1	26.9	26.1	25.3	23.7	25.3	26.1
92.5°	28.4	35.9	53.8	78.9	101.3	102.7	86.8	68.9	59.2	52.5	47.6
95°	58.5	77.5	113.8	182.6	274.3	309.9	271.2	207.2	158.9	125.7	108.3
97.5°	83.0	104.5	150.2	246.1	398.5	529.1	555.0	483.4	395.5	309.9	252.9
100°	98.9	121.0	162.9	259.4	430.1	624.6	738.5	721.8	623.8	515.5	419.9
102.5°	113.4	135.5	174.3	260.0	418.1	627.7	806.8	878.1	856.0	776.7	675.3
105°	134.4	156.5	193.7	264.0	394.5	585.8	796.1	960.6	1050.0	1060.3	1034.1
107.5°	155.3	177.6	213.7	275.0	382.8	541.0	726.7	901.2	1035.7	1117.9	1156.2
110°	169.2	192.1	226.9	283.8	380.3	519.4	683.1	849.9	991.4	1092.7	1157.5



TEST NUMBER: P331449-927

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	182.4	206.0	239.6	293.3	380.9	505.5	652.8	803.1	939.0	1047.1	1121.4
115°	204.0	225.3	259.4	307.5	384.2	490.2	615.1	745.5	867.3	970.9	1052.3
117.5°	223.9	246.1	277.5	322.7	389.9	482.8	591.4	702.2	809.1	903.0	979.5
120°	237.2	259.4	290.2	332.9	393.7	478.3	578.8	680.7	778.8	862.5	934.5
122.5°	250.5	273.2	302.1	341.7	398.2	475.8	568.0	663.6	753.4	832.8	897.9
125°	269.6	291.8	320.2	355.8	404.8	471.2	552.6	638.8	720.3	789.8	849.1
127.5°	286.5	309.3	337.0	368.9	411.6	468.5	538.4	614.3	688.0	753.6	808.3
130°	297.3	319.4	347.1	377.2	416.7	467.2	528.9	598.5	666.5	729.0	781.2
132.5°	307.4	329.5	355.9	385.3	421.7	466.6	521.3	583.3	646.3	703.6	752.7
135°	321.0	343.1	368.4	396.1	427.7	465.6	510.7	562.1	614.3	666.5	710.7
137.5°	333.0	353.6	378.6	404.3	433.1	465.5	503.3	545.2	588.8	630.3	668.8
140°	340.0	360.5	384.2	408.8	435.6	464.9	498.9	534.5	572.4	608.8	643.6
142.5°	346.3	365.6	388.6	412.6	437.5	464.9	494.5	525.6	557.9	589.1	618.3
145°	356.6	374.0	395.3	417.5	439.6	463.3	488.6	513.1	539.2	563.7	586.6
147.5°	365.1	380.6	400.7	420.2	440.2	460.5	482.6	503.4	524.0	543.1	559.9
150°	370.8	385.0	403.2	421.4	439.6	458.6	477.5	496.5	513.9	530.5	544.7
152.5°	376.5	389.4	405.8	422.0	438.3	455.4	473.1	489.6	505.6	519.8	532.1
155°	384.2	396.1	409.6	422.9	436.4	449.9	464.9	479.9	492.6	504.4	513.1
157.5°	390.9	400.8	412.3	422.9	432.8	444.2	457.2	468.7	479.3	489.3	496.1
160°	395.3	404.0	413.5	422.9	430.9	440.4	451.5	461.7	470.4	479.1	484.7
162.5°	399.1	405.9	414.2	422.3	429.0	437.2	446.4	454.8	462.2	469.6	473.9
165°	403.2	408.0	415.1	420.6	425.3	430.9	438.0	444.3	449.9	455.4	458.6
167.5°	406.7	409.7	414.9	419.5	421.7	425.3	429.8	434.4	438.6	442.4	445.3
170°	408.0	410.4	414.3	418.3	419.9	422.2	425.3	429.3	431.7	434.8	436.4
172.5°	409.2	411.0	413.7	416.4	417.3	418.4	421.0	423.6	425.3	427.9	428.8
175°	410.4	411.1	412.7	414.3	413.5	414.3	415.1	417.5	418.3	419.1	419.9
177.5°	411.1	411.1	411.8	413.0	411.8	411.1	411.8	413.0	413.0	413.7	413.7
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331449-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1515.0	1514.1	1514.1	1509.7	1514.1	1514.1	1515.0	1519.9	1521.4	1522.3	1520.4
5°	1405.4	1403.6	1400.6	1403.6	1400.6	1403.6	1405.4	1413.9	1418.2	1422.4	1426.1
7.5°	1297.0	1289.7	1288.6	1281.4	1288.6	1289.7	1297.0	1301.0	1309.5	1319.1	1327.9
10°	1217.8	1213.0	1212.4	1200.8	1212.4	1213.0	1217.8	1228.1	1236.7	1248.2	1260.3
12.5°	1157.6	1146.0	1148.3	1141.5	1148.3	1146.0	1157.6	1157.7	1167.7	1174.8	1193.8
15°	1053.3	1053.3	1050.9	1040.5	1050.9	1053.3	1053.3	1069.7	1072.7	1084.3	1100.7
17.5°	978.4	977.2	971.4	974.2	971.4	977.2	978.4	990.4	992.4	1007.9	1021.4
20°	933.7	930.1	922.8	922.8	922.8	930.1	933.7	940.4	948.2	957.4	968.9
22.5°	891.4	891.2	883.4	885.9	883.4	891.2	891.4	897.6	905.1	915.1	924.7
25°	842.0	837.2	833.5	835.4	833.5	837.2	842.0	842.6	851.1	857.9	863.9
27.5°	795.2	792.5	792.3	787.3	792.3	792.5	795.2	796.8	801.6	805.5	811.2
30°	767.9	761.9	763.1	760.1	763.1	761.9	767.9	768.6	771.0	773.4	780.1
32.5°	736.9	734.7	733.5	730.9	733.5	734.7	736.9	738.0	742.8	745.3	750.5
35°	694.5	695.1	692.1	693.3	692.1	695.1	694.5	695.7	696.3	698.8	703.6
37.5°	657.5	659.4	658.0	658.3	658.0	659.4	657.5	658.1	658.7	659.1	660.5
40°	633.2	633.2	633.2	635.0	633.2	633.2	633.2	631.4	632.0	631.4	631.4
42.5°	609.9	609.0	607.9	607.8	607.9	609.0	609.9	605.6	607.7	605.6	604.7
45°	570.1	571.9	572.5	569.4	572.5	571.9	570.1	568.9	567.0	566.4	565.8
47.5°	534.0	534.2	534.0	536.7	534.0	534.2	534.0	532.4	529.7	528.5	525.6
50°	508.7	507.6	508.7	507.6	508.7	507.6	508.7	505.7	503.9	500.8	498.4
52.5°	482.0	482.3	481.6	481.3	481.6	482.3	482.0	478.0	477.2	476.1	472.2
55°	440.1	441.3	440.8	440.8	440.8	441.3	440.1	437.7	437.1	433.5	429.8
57.5°	396.8	397.9	398.7	396.1	398.7	397.9	396.8	396.4	396.1	392.2	388.3
60°	366.7	369.7	369.1	367.9	369.1	369.7	366.7	367.3	365.4	363.1	360.6
62.5°	339.0	340.1	340.0	339.8	340.0	340.1	339.0	336.2	335.3	333.0	330.5
65°	296.3	297.5	295.6	297.5	295.6	297.5	296.3	294.5	290.2	289.0	286.5
67.5°	250.3	250.6	251.9	252.8	251.9	250.6	250.3	251.0	248.2	245.9	245.4
70°	221.6	221.0	222.8	224.7	222.8	221.0	221.6	220.4	218.6	216.7	214.3
72.5°	191.5	192.8	192.2	193.5	192.2	192.8	191.5	191.7	189.9	187.6	185.1
75°	147.5	149.3	148.8	150.6	148.8	149.3	147.5	148.8	147.5	145.1	142.7
77.5°	106.6	106.9	106.6	107.6	106.6	106.9	106.6	107.6	106.2	107.1	104.3
80°	81.4	80.2	78.9	81.4	78.9	80.2	81.4	81.4	79.5	81.4	79.5
82.5°	56.6	57.3	56.1	56.1	56.1	57.3	56.6	58.1	57.2	58.1	56.2
85°	26.1	25.5	24.3	24.3	24.3	25.5	26.1	26.1	28.0	26.7	26.7
87.5°	10.1	9.6	9.6	9.1	9.6	9.6	10.1	10.1	9.9	10.5	10.9
90°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	25.3	23.7	25.3
92.5°	47.0	44.4	45.1	43.8	45.1	44.4	47.0	47.6	52.5	59.2	68.9
95°	98.1	91.7	89.4	90.2	89.4	91.7	98.1	108.3	125.7	158.9	207.2
97.5°	215.1	195.6	184.0	177.4	184.0	195.6	215.1	252.9	309.9	395.5	483.4
100°	354.2	320.2	297.3	283.0	297.3	320.2	354.2	419.9	515.5	623.8	721.8
102.5°	604.0	546.0	517.4	498.1	517.4	546.0	604.0	675.3	776.7	856.0	878.1
105°	985.1	936.1	902.1	891.0	902.1	936.1	985.1	1034.1	1060.3	1050.0	960.6
107.5°	1162.4	1159.7	1152.9	1138.2	1152.9	1159.7	1162.4	1156.2	1117.9	1035.7	901.2
110°	1191.4	1206.5	1213.6	1212.8	1213.6	1206.5	1191.4	1157.5	1092.7	991.4	849.9



TEST NUMBER: P331449-927

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1168.7	1193.8	1207.3	1211.6	1207.3	1193.8	1168.7	1121.4	1047.1	939.0	803.1
115°	1108.4	1144.8	1165.4	1172.5	1165.4	1144.8	1108.4	1052.3	970.9	867.3	745.5
117.5°	1036.6	1075.1	1096.8	1102.7	1096.8	1075.1	1036.6	979.5	903.0	809.1	702.2
120°	989.8	1027.0	1050.0	1057.9	1050.0	1027.0	989.8	934.5	862.5	778.8	680.7
122.5°	947.5	984.0	1004.4	1011.1	1004.4	984.0	947.5	897.9	832.8	753.4	663.6
125°	895.0	925.0	944.8	951.1	944.8	925.0	895.0	849.1	789.8	720.3	638.8
127.5°	848.3	876.5	893.6	898.7	893.6	876.5	848.3	808.3	753.6	688.0	614.3
130°	819.9	846.8	862.5	868.9	862.5	846.8	819.9	781.2	729.0	666.5	598.5
132.5°	790.8	817.7	832.2	837.9	832.2	817.7	790.8	752.7	703.6	646.3	583.3
135°	744.7	770.9	785.1	788.2	785.1	770.9	744.7	710.7	666.5	614.3	562.1
137.5°	699.9	722.3	734.8	739.6	734.8	722.3	699.9	668.8	630.3	588.8	545.2
140°	668.8	689.4	701.3	706.0	701.3	689.4	668.8	643.6	608.8	572.4	534.5
142.5°	642.3	661.0	671.5	672.5	671.5	661.0	642.3	618.3	589.1	557.9	525.6
145°	605.6	619.1	626.9	629.3	626.9	619.1	605.6	586.6	563.7	539.2	513.1
147.5°	575.6	586.3	591.7	593.1	591.7	586.3	575.6	559.9	543.1	524.0	503.4
150°	556.6	566.1	570.8	571.6	570.8	566.1	556.6	544.7	530.5	513.9	496.5
152.5°	541.4	549.6	553.1	553.3	553.1	549.6	541.4	532.1	519.8	505.6	489.6
155°	521.8	527.4	530.5	528.9	530.5	527.4	521.8	513.1	504.4	492.6	479.9
157.5°	502.2	506.8	508.2	508.2	508.2	506.8	502.2	496.1	489.3	479.3	468.7
160°	490.2	494.2	495.0	495.0	495.0	494.2	490.2	484.7	479.1	470.4	461.7
162.5°	479.4	482.1	482.9	482.3	482.9	482.1	479.4	473.9	469.6	462.2	454.8
165°	461.7	464.9	464.9	464.1	464.9	464.9	461.7	458.6	455.4	449.9	444.3
167.5°	446.7	448.5	448.3	447.3	448.3	448.5	446.7	445.3	442.4	438.6	434.4
170°	437.2	439.6	438.8	437.2	438.8	439.6	437.2	436.4	434.8	431.7	429.3
172.5°	429.6	430.7	429.9	429.0	429.9	430.7	429.6	428.8	427.9	425.3	423.6
175°	419.9	420.6	419.9	418.3	419.9	420.6	419.9	419.9	419.1	418.3	417.5
177.5°	413.7	413.7	413.0	411.8	413.0	413.7	413.7	413.7	413.7	413.0	413.0
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1518.0	1523.3	1531.6	1540.3	1545.6	1555.8	1558.8	1563.6	1568.0	1578.2	1588.9
5°	1430.3	1438.8	1458.8	1469.7	1484.9	1502.5	1514.1	1526.2	1539.6	1562.7	1583.9
7.5°	1336.3	1350.5	1375.4	1395.8	1417.5	1442.7	1460.9	1484.9	1504.8	1537.4	1568.4
10°	1273.7	1293.7	1316.2	1340.5	1370.8	1397.5	1423.0	1453.3	1477.7	1516.5	1552.9
12.5°	1217.3	1220.4	1252.5	1279.3	1320.8	1353.8	1383.2	1422.3	1446.0	1492.2	1530.6
15°	1118.9	1137.1	1166.3	1187.5	1236.7	1278.5	1319.8	1360.5	1387.8	1444.9	1495.2
17.5°	1035.9	1052.7	1082.6	1117.4	1152.7	1194.4	1247.8	1290.7	1327.9	1393.1	1452.6
20°	983.5	1004.1	1034.5	1070.3	1101.3	1146.8	1192.9	1242.1	1282.1	1355.7	1425.5
22.5°	938.8	955.1	979.6	1014.9	1048.8	1090.4	1141.0	1194.5	1236.5	1315.8	1386.6
25°	876.0	889.4	905.1	934.3	972.6	1018.1	1057.6	1116.4	1177.7	1251.8	1337.4
27.5°	819.4	828.9	842.9	868.5	898.1	940.7	984.6	1040.5	1102.1	1182.5	1272.8
30°	785.0	791.1	805.0	826.2	855.4	888.7	933.1	986.5	1049.6	1131.0	1220.8
32.5°	754.9	760.4	769.5	789.8	815.1	843.6	883.5	937.0	997.2	1077.1	1176.6
35°	709.7	713.9	721.8	738.2	752.2	780.1	813.5	862.1	918.5	995.1	1098.2
37.5°	664.6	670.5	675.3	682.2	700.2	718.6	747.6	788.6	844.0	921.2	1019.5
40°	635.0	639.8	647.1	650.2	664.8	681.1	704.8	742.4	798.4	868.7	964.6
42.5°	604.9	609.7	614.1	617.7	630.3	644.8	666.0	698.3	747.8	816.3	911.2
45°	564.0	564.6	568.9	575.5	581.6	591.9	607.1	635.0	673.3	737.6	823.8
47.5°	522.4	523.2	523.9	526.8	533.5	542.9	552.9	575.7	609.9	661.2	745.1
50°	494.8	493.5	494.8	497.2	501.5	509.4	520.9	537.3	565.2	613.1	690.2
52.5°	468.1	467.9	467.1	468.1	471.3	476.8	485.0	498.9	523.9	568.0	635.9
55°	427.4	424.4	424.9	422.6	428.0	429.2	435.3	446.8	468.7	499.0	562.8
57.5°	384.0	381.5	378.8	378.1	377.6	380.9	385.7	394.8	411.6	438.2	489.9
60°	356.3	353.3	349.7	348.5	348.5	350.3	352.8	359.4	375.2	398.9	441.3
62.5°	328.2	324.6	322.5	319.3	318.4	320.2	322.6	327.3	338.7	361.0	397.7
65°	284.7	280.5	277.4	276.9	275.6	273.8	275.0	279.9	289.0	306.6	335.7
67.5°	241.1	237.1	236.4	232.9	231.2	231.4	231.2	235.3	240.7	256.0	277.7
70°	212.5	209.5	208.3	205.2	204.0	202.8	201.5	205.2	210.6	223.4	242.2
72.5°	183.3	180.8	178.1	175.5	175.8	174.6	174.4	176.6	181.0	192.8	207.2
75°	141.5	142.0	139.0	136.0	135.4	134.2	134.2	136.0	137.8	146.9	158.4
77.5°	102.6	102.1	99.6	98.6	98.0	96.6	98.0	99.2	100.1	106.2	114.7
80°	78.3	78.3	75.3	75.3	74.7	72.9	74.7	73.4	75.9	82.0	88.0
82.5°	56.0	55.0	54.9	53.9	53.8	52.4	53.3	54.5	55.5	59.7	63.3
85°	27.3	27.3	26.7	26.1	26.7	26.1	26.7	27.3	28.0	29.8	32.8
87.5°	11.0	11.7	12.0	11.6	10.5	10.1	10.1	10.3	11.0	10.9	10.9
90°	26.1	26.9	26.1	21.3	15.8	11.9	9.5	7.9	6.3	3.2	0.8
92.5°	86.8	102.7	101.3	78.9	53.8	35.9	28.4	23.1	19.6	13.9	9.7
95°	271.2	309.9	274.3	182.6	113.8	77.5	58.5	45.9	38.7	30.8	27.6
97.5°	555.0	529.1	398.5	246.1	150.2	104.5	83.0	68.4	57.8	49.4	45.1
100°	738.5	624.6	430.1	259.4	162.9	121.0	98.9	83.0	70.3	63.2	60.8
102.5°	806.8	627.7	418.1	260.0	174.3	135.5	113.4	97.0	84.3	77.2	75.4
105°	796.1	585.8	394.5	264.0	193.7	156.5	134.4	117.0	105.1	99.7	96.5
107.5°	726.7	541.0	382.8	275.0	213.7	177.6	155.3	138.1	127.1	121.8	119.2
110°	683.1	519.4	380.3	283.8	226.9	192.1	169.2	152.6	142.3	137.6	134.4



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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	652.8	505.5	380.9	293.3	239.6	206.0	182.4	166.5	156.9	151.5	148.3
115°	615.1	490.2	384.2	307.5	259.4	225.3	204.0	188.1	178.7	174.0	170.0
117.5°	591.4	482.8	389.9	322.7	277.5	246.1	223.9	208.7	200.3	195.6	192.4
120°	578.8	478.3	393.7	332.9	290.2	259.4	237.2	221.3	214.3	209.5	206.4
122.5°	568.0	475.8	398.2	341.7	302.1	273.2	250.5	234.6	226.9	222.1	219.7
125°	552.6	471.2	404.8	355.8	320.2	291.8	269.6	253.8	244.3	239.6	237.2
127.5°	538.4	468.5	411.6	368.9	337.0	309.3	286.5	271.3	260.9	254.3	251.1
130°	528.9	467.2	416.7	377.2	347.1	319.4	297.3	281.5	270.4	262.4	259.4
132.5°	521.3	466.6	421.7	385.3	355.9	329.5	307.4	291.0	279.2	270.7	266.9
135°	510.7	465.6	427.7	396.1	368.4	343.1	321.0	302.8	291.0	281.5	278.3
137.5°	503.3	465.5	433.1	404.3	378.6	353.6	333.0	315.0	302.3	292.9	289.1
140°	498.9	464.9	435.6	408.8	384.2	360.5	340.0	322.6	309.9	300.5	297.3
142.5°	494.5	464.9	437.5	412.6	388.6	365.6	346.3	329.5	316.9	308.0	305.5
145°	488.6	463.3	439.6	417.5	395.3	374.0	356.6	340.8	328.9	321.0	317.8
147.5°	482.6	460.5	440.2	420.2	400.7	380.6	365.1	352.0	341.0	333.5	331.1
150°	477.5	458.6	439.6	421.4	403.2	385.0	370.8	358.9	348.6	342.3	340.0
152.5°	473.1	455.4	438.3	422.0	405.8	389.4	376.5	365.3	356.2	349.9	348.8
155°	464.9	449.9	436.4	422.9	409.6	396.1	384.2	375.6	366.9	362.1	361.3
157.5°	457.2	444.2	432.8	422.9	412.3	400.8	390.9	383.9	376.4	372.6	371.8
160°	451.5	440.4	430.9	422.9	413.5	404.0	395.3	389.0	382.6	379.5	378.7
162.5°	446.4	437.2	429.0	422.3	414.2	405.9	399.1	393.4	388.3	385.2	385.6
165°	438.0	430.9	425.3	420.6	415.1	408.0	403.2	399.3	394.5	392.9	393.7
167.5°	429.8	425.3	421.7	419.5	414.9	409.7	406.7	403.9	400.8	399.4	400.4
170°	425.3	422.2	419.9	418.3	414.3	410.4	408.0	406.4	404.0	403.2	404.8
172.5°	421.0	418.4	417.3	416.4	413.7	411.0	409.2	408.3	405.9	406.4	407.3
175°	415.1	414.3	413.5	414.3	412.7	411.1	410.4	410.4	408.8	409.6	410.4
177.5°	411.8	411.1	411.8	413.0	411.8	411.1	411.1	411.1	409.9	410.5	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



TEST NUMBER: P331449-927

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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1587.9	1590.3	1598.1	1605.9	1614.6	1617.1	1621.0	1617.6	1616.5	1625.8	1632.6
5°	1592.4	1603.3	1624.6	1644.0	1660.4	1671.9	1684.1	1688.9	1698.0	1710.8	1726.6
7.5°	1587.3	1608.5	1642.0	1670.2	1701.1	1723.3	1740.7	1755.5	1773.5	1797.6	1823.9
10°	1581.4	1610.0	1650.7	1685.3	1722.9	1751.4	1775.1	1798.2	1825.0	1858.3	1892.9
12.5°	1570.8	1604.6	1655.5	1696.5	1744.8	1772.8	1804.7	1854.6	1883.2	1929.7	1978.4
15°	1549.3	1586.9	1658.0	1708.3	1763.0	1816.4	1875.3	1922.6	1970.0	1997.3	2065.9
17.5°	1517.3	1572.6	1651.3	1710.1	1779.5	1863.6	1929.8	1983.5	2038.1	2082.4	2116.8
20°	1491.6	1551.7	1641.6	1712.0	1794.5	1885.0	1960.9	2015.5	2062.9	2099.9	2121.1
22.5°	1459.0	1534.7	1622.2	1704.7	1810.1	1899.6	1979.3	2022.4	2061.9	2080.0	2088.1
25°	1407.9	1498.9	1597.8	1698.7	1817.7	1912.3	1985.2	2011.3	2022.8	2005.3	1976.1
27.5°	1352.6	1454.1	1569.8	1687.2	1813.0	1904.1	1956.3	1952.2	1932.6	1875.7	1830.1
30°	1311.3	1423.0	1547.4	1675.5	1801.8	1890.5	1920.8	1890.5	1846.2	1782.4	1717.5
32.5°	1268.1	1383.7	1523.7	1659.1	1781.5	1859.4	1866.0	1813.8	1745.2	1672.7	1591.7
35°	1202.6	1327.7	1478.8	1622.2	1738.1	1787.2	1758.2	1665.9	1584.5	1485.6	1375.1
37.5°	1128.7	1266.8	1418.4	1568.1	1673.2	1686.0	1613.7	1516.5	1401.8	1285.5	1155.4
40°	1073.3	1219.6	1375.7	1526.9	1619.7	1606.4	1514.1	1407.2	1270.7	1128.5	1007.7
42.5°	1023.8	1170.1	1329.0	1477.3	1551.7	1515.0	1407.2	1276.1	1129.3	995.5	884.9
45°	937.9	1088.5	1251.3	1394.5	1437.0	1370.8	1228.1	1082.4	937.9	826.2	738.9
47.5°	854.7	1003.5	1164.7	1290.5	1305.6	1216.6	1060.7	910.8	786.6	695.6	633.9
50°	793.4	942.8	1102.5	1214.8	1209.9	1102.5	942.2	799.5	695.7	622.3	581.0
52.5°	738.6	879.6	1033.0	1135.1	1109.4	992.2	839.2	712.6	627.2	569.8	532.4
55°	653.2	783.8	929.5	1011.4	964.1	834.2	704.8	602.9	539.7	496.6	467.5
57.5°	568.5	690.9	815.6	866.1	813.7	693.8	586.0	512.0	464.5	432.6	413.7
60°	516.0	622.9	734.0	777.7	715.2	608.3	523.3	457.2	418.9	392.8	375.8
62.5°	463.6	559.3	664.0	687.9	630.7	540.3	465.0	410.0	378.6	355.4	339.4
65°	392.2	470.5	550.0	565.8	513.0	443.1	383.7	347.8	320.0	302.9	290.2
67.5°	321.6	384.5	440.8	453.6	407.3	358.9	315.9	284.7	265.8	251.7	240.9
70°	279.9	329.6	375.8	386.1	349.1	305.9	273.2	248.3	231.3	219.2	208.8
72.5°	235.7	277.2	315.5	322.5	292.2	259.4	232.4	212.9	197.8	190.0	180.2
75°	180.3	204.6	234.3	236.1	216.1	196.1	175.5	162.7	154.8	145.1	140.2
77.5°	127.2	146.3	163.3	166.6	154.7	141.1	129.5	119.5	112.8	108.3	103.8
80°	97.1	112.3	119.6	123.8	115.3	105.6	98.9	92.3	88.0	85.0	82.0
82.5°	69.5	78.8	85.6	88.9	84.3	78.4	71.8	68.0	64.7	62.2	61.1
85°	35.2	39.5	43.7	44.9	43.7	41.3	37.6	37.6	35.8	35.2	35.2
87.5°	12.8	15.4	15.7	17.4	17.0	17.7	18.9	19.3	19.0	18.3	17.7
90°	3.2	6.3	7.9	9.5	11.9	15.8	21.3	26.1	26.9	26.1	25.3
92.5°	13.9	19.6	23.1	28.4	35.9	53.8	78.9	101.3	102.7	86.8	68.9
95°	30.8	38.7	45.9	58.5	77.5	113.8	182.6	274.3	309.9	271.2	207.2
97.5°	49.4	57.8	68.4	83.0	104.5	150.2	246.1	398.5	529.1	555.0	483.4
100°	63.2	70.3	83.0	98.9	121.0	162.9	259.4	430.1	624.6	738.5	721.8
102.5°	77.2	84.3	97.0	113.4	135.5	174.3	260.0	418.1	627.7	806.8	878.1
105°	99.7	105.1	117.0	134.4	156.5	193.7	264.0	394.5	585.8	796.1	960.6
107.5°	121.8	127.1	138.1	155.3	177.6	213.7	275.0	382.8	541.0	726.7	901.2
110°	137.6	142.3	152.6	169.2	192.1	226.9	283.8	380.3	519.4	683.1	849.9



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	151.5	156.9	166.5	182.4	206.0	239.6	293.3	380.9	505.5	652.8	803.1
115°	174.0	178.7	188.1	204.0	225.3	259.4	307.5	384.2	490.2	615.1	745.5
117.5°	195.6	200.3	208.7	223.9	246.1	277.5	322.7	389.9	482.8	591.4	702.2
120°	209.5	214.3	221.3	237.2	259.4	290.2	332.9	393.7	478.3	578.8	680.7
122.5°	222.1	226.9	234.6	250.5	273.2	302.1	341.7	398.2	475.8	568.0	663.6
125°	239.6	244.3	253.8	269.6	291.8	320.2	355.8	404.8	471.2	552.6	638.8
127.5°	254.3	260.9	271.3	286.5	309.3	337.0	368.9	411.6	468.5	538.4	614.3
130°	262.4	270.4	281.5	297.3	319.4	347.1	377.2	416.7	467.2	528.9	598.5
132.5°	270.7	279.2	291.0	307.4	329.5	355.9	385.3	421.7	466.6	521.3	583.3
135°	281.5	291.0	302.8	321.0	343.1	368.4	396.1	427.7	465.6	510.7	562.1
137.5°	292.9	302.3	315.0	333.0	353.6	378.6	404.3	433.1	465.5	503.3	545.2
140°	300.5	309.9	322.6	340.0	360.5	384.2	408.8	435.6	464.9	498.9	534.5
142.5°	308.0	316.9	329.5	346.3	365.6	388.6	412.6	437.5	464.9	494.5	525.6
145°	321.0	328.9	340.8	356.6	374.0	395.3	417.5	439.6	463.3	488.6	513.1
147.5°	333.5	341.0	352.0	365.1	380.6	400.7	420.2	440.2	460.5	482.6	503.4
150°	342.3	348.6	358.9	370.8	385.0	403.2	421.4	439.6	458.6	477.5	496.5
152.5°	349.9	356.2	365.3	376.5	389.4	405.8	422.0	438.3	455.4	473.1	489.6
155°	362.1	366.9	375.6	384.2	396.1	409.6	422.9	436.4	449.9	464.9	479.9
157.5°	372.6	376.4	383.9	390.9	400.8	412.3	422.9	432.8	444.2	457.2	468.7
160°	379.5	382.6	389.0	395.3	404.0	413.5	422.9	430.9	440.4	451.5	461.7
162.5°	385.2	388.3	393.4	399.1	405.9	414.2	422.3	429.0	437.2	446.4	454.8
165°	392.9	394.5	399.3	403.2	408.0	415.1	420.6	425.3	430.9	438.0	444.3
167.5°	399.4	400.8	403.9	406.7	409.7	414.9	419.5	421.7	425.3	429.8	434.4
170°	403.2	404.0	406.4	408.0	410.4	414.3	418.3	419.9	422.2	425.3	429.3
172.5°	406.4	405.9	408.3	409.2	411.0	413.7	416.4	417.3	418.4	421.0	423.6
175°	409.6	408.8	410.4	410.4	411.1	412.7	414.3	413.5	414.3	415.1	417.5
177.5°	410.5	409.9	411.1	411.1	411.1	411.8	413.0	411.8	411.1	411.8	413.0
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6	1579.6
2.5°	1638.4	1645.2	1645.2	1646.2	1653.9	1653.0	1652.5
5°	1743.6	1753.9	1755.1	1766.0	1773.3	1770.8	1764.2
7.5°	1842.8	1861.9	1876.5	1884.7	1894.3	1900.2	1897.5
10°	1921.4	1949.4	1966.4	1977.9	1991.9	2002.2	1998.5
12.5°	1992.8	2026.1	2049.5	2069.2	2071.0	2084.2	2075.3
15°	2104.2	2139.4	2143.0	2157.6	2169.2	2167.9	2168.5
17.5°	2141.0	2152.3	2154.6	2154.9	2155.1	2150.8	2141.6
20°	2127.9	2123.6	2113.3	2105.4	2091.4	2089.6	2077.5
22.5°	2065.7	2052.2	2026.3	2009.2	1987.5	1981.8	1978.4
25°	1943.3	1913.5	1872.2	1832.8	1821.9	1800.6	1806.7
27.5°	1775.4	1729.0	1684.3	1652.3	1623.3	1591.4	1600.5
30°	1657.3	1605.1	1542.0	1493.4	1462.4	1432.1	1426.6
32.5°	1516.5	1440.0	1369.6	1326.8	1279.4	1260.2	1239.2
35°	1273.7	1199.0	1129.2	1069.1	1034.5	1007.7	983.5
37.5°	1055.3	969.3	912.9	864.3	839.2	823.9	827.8
40°	919.7	844.5	803.2	766.1	743.1	732.1	734.6
42.5°	810.0	753.6	719.6	694.3	678.0	671.9	670.5
45°	685.4	653.9	625.9	611.3	603.5	596.8	592.6
47.5°	600.4	574.6	558.9	550.2	543.4	536.5	536.4
50°	549.4	532.4	521.5	512.4	506.9	502.1	506.3
52.5°	510.6	495.0	484.1	475.9	473.9	469.5	469.4
55°	452.9	440.8	432.8	425.6	421.9	419.5	416.5
57.5°	400.4	388.9	381.6	377.0	370.1	367.7	366.7
60°	363.1	353.9	346.7	340.6	337.5	332.7	332.7
62.5°	328.5	319.5	312.7	308.0	303.1	301.1	301.6
65°	278.7	271.4	264.7	259.8	258.6	255.0	256.2
67.5°	232.7	227.9	220.9	218.2	215.9	214.0	212.5
70°	202.2	197.3	193.7	190.0	188.2	188.2	188.2
72.5°	176.4	170.6	168.4	163.8	164.9	163.0	161.0
75°	136.6	132.9	131.1	129.3	126.3	126.3	126.3
77.5°	100.5	99.4	97.3	95.3	94.6	94.0	94.2
80°	77.7	77.1	75.9	75.9	74.7	74.1	72.9
82.5°	59.7	58.1	57.4	57.0	56.7	56.6	56.3
85°	34.0	32.8	32.8	33.4	32.2	32.2	32.8
87.5°	17.8	18.1	17.8	17.8	18.3	17.8	17.8
90°	23.7	25.3	26.1	26.1	26.1	26.1	26.1
92.5°	59.2	52.5	47.6	47.0	44.4	45.1	43.8
95°	158.9	125.7	108.3	98.1	91.7	89.4	90.2
97.5°	395.5	309.9	252.9	215.1	195.6	184.0	177.4
100°	623.8	515.5	419.9	354.2	320.2	297.3	283.0
102.5°	856.0	776.7	675.3	604.0	546.0	517.4	498.1
105°	1050.0	1060.3	1034.1	985.1	936.1	902.1	891.0
107.5°	1035.7	1117.9	1156.2	1162.4	1159.7	1152.9	1138.2
110°	991.4	1092.7	1157.5	1191.4	1206.5	1213.6	1212.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	939.0	1047.1	1121.4	1168.7	1193.8	1207.3	1211.6
115°	867.3	970.9	1052.3	1108.4	1144.8	1165.4	1172.5
117.5°	809.1	903.0	979.5	1036.6	1075.1	1096.8	1102.7
120°	778.8	862.5	934.5	989.8	1027.0	1050.0	1057.9
122.5°	753.4	832.8	897.9	947.5	984.0	1004.4	1011.1
125°	720.3	789.8	849.1	895.0	925.0	944.8	951.1
127.5°	688.0	753.6	808.3	848.3	876.5	893.6	898.7
130°	666.5	729.0	781.2	819.9	846.8	862.5	868.9
132.5°	646.3	703.6	752.7	790.8	817.7	832.2	837.9
135°	614.3	666.5	710.7	744.7	770.9	785.1	788.2
137.5°	588.8	630.3	668.8	699.9	722.3	734.8	739.6
140°	572.4	608.8	643.6	668.8	689.4	701.3	706.0
142.5°	557.9	589.1	618.3	642.3	661.0	671.5	672.5
145°	539.2	563.7	586.6	605.6	619.1	626.9	629.3
147.5°	524.0	543.1	559.9	575.6	586.3	591.7	593.1
150°	513.9	530.5	544.7	556.6	566.1	570.8	571.6
152.5°	505.6	519.8	532.1	541.4	549.6	553.1	553.3
155°	492.6	504.4	513.1	521.8	527.4	530.5	528.9
157.5°	479.3	489.3	496.1	502.2	506.8	508.2	508.2
160°	470.4	479.1	484.7	490.2	494.2	495.0	495.0
162.5°	462.2	469.6	473.9	479.4	482.1	482.9	482.3
165°	449.9	455.4	458.6	461.7	464.9	464.9	464.1
167.5°	438.6	442.4	445.3	446.7	448.5	448.3	447.3
170°	431.7	434.8	436.4	437.2	439.6	438.8	437.2
172.5°	425.3	427.9	428.8	429.6	430.7	429.9	429.0
175°	418.3	419.1	419.9	419.9	420.6	419.9	418.3
177.5°	413.0	413.7	413.7	413.7	413.7	413.0	411.8
180°	411.1	411.1	411.1	411.1	411.1	411.1	411.1

(END OF REPORT)