

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: P331755-930

Luminaire Tested: **SA2XXRDIP-C1005D925U930-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331755-930
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-C1005D925U930-4F0-1E-UDD-A4
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1005 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: 6055.6 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

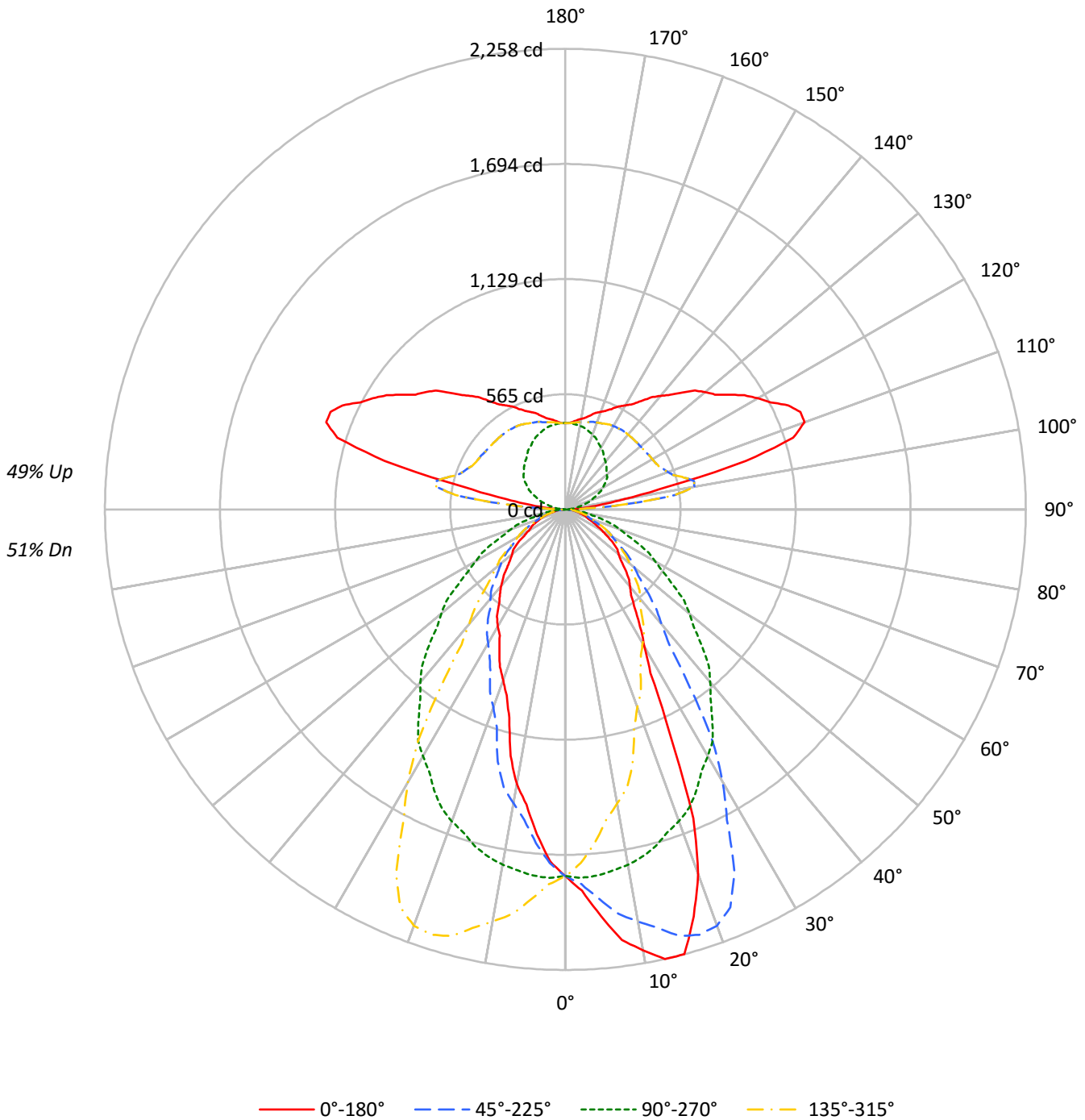
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	99	95	91	88	91	88	85	82	75	73	71	63	61	60	52	51	50	45
2	91	84	78	73	84	78	73	69	67	63	60	56	54	51	47	45	43	39
3	83	74	68	62	77	69	63	58	60	55	51	51	47	45	42	40	38	34
4	77	67	59	53	71	62	55	50	54	49	45	46	42	39	38	36	34	30
5	71	60	52	46	65	56	49	44	48	43	39	41	38	34	35	32	30	27
6	66	54	46	41	61	51	44	39	44	39	35	38	34	31	32	29	27	24
7	61	49	42	36	56	46	39	34	40	35	31	35	31	28	30	27	24	22
8	57	45	37	32	53	42	36	31	37	32	28	32	28	25	28	24	22	20
9	53	41	34	29	49	39	32	28	34	29	25	30	26	23	26	22	20	18
10	50	38	31	26	46	36	30	25	32	27	23	28	24	21	24	21	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	29032	29032	29032	29032
5°	32423	29214	25901	29214
10°	35974	29009	22453	29009
15°	37742	28583	17690	28583
20°	32720	27953	15309	27953
25°	21458	27091	13668	27091
30°	14443	26045	12370	26045
35°	11698	24727	11158	24727
40°	10404	23294	10323	23294
45°	9417	21614	9216	21614
50°	8568	19947	8538	19947
55°	8056	18097	7949	18097
60°	6736	16401	6659	16401
65°	5681	14896	6445	14896
70°	5249	13303	6076	13303
75°	4916	11578	5608	11578
80°	4537	9530	4993	9530
85°	4168	7521	4390	7521



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.4	2.8
10°-20°	474.9	7.8
20°-30°	612.0	10.1
30°-40°	581.6	9.6
40°-50°	498.2	8.2
50°-60°	379.4	6.3
60°-70°	239.9	4.0
70°-80°	119.8	2.0
80°-90°	35.0	0.6
90°-100°	169.2	2.8
100°-110°	574.1	9.5
110°-120°	609.9	10.1
120°-130°	502.1	8.3
130°-140°	403.2	6.7
140°-150°	304.7	5.0
150°-160°	214.1	3.5
160°-170°	126.0	2.1
170°-180°	41.0	0.7
0°-30°	1257.4	20.8
0°-40°	1839.0	30.4
0°-60°	2716.7	44.9
0°-90°	3111.3	51.4
90°-120°	1353.2	22.3
90°-150°	2563.1	42.3
90°-180°	2944.0	48.6
0°-180°	6055.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1798	1798	1798	1798	1798	
5°	2000	1802	1598	1802	2000	197
15°	2258	1710	1058	1710	2258	609
25°	1204	1521	767	1521	1204	572
35°	594	1254	566	1254	594	380
45°	412	947	404	947	412	319
55°	286	643	282	643	286	251
65°	149	390	169	390	149	151
75°	79	186	90	186	79	84
85°	22	41	24	41	22	25
90°	27	1	27	1	27	15
95°	93	28	93	28	93	121
105°	917	99	917	99	917	887
115°	1207	175	1207	175	1207	1182
125°	979	244	979	244	979	885
135°	811	286	811	286	811	630
145°	648	327	648	327	648	411
155°	544	372	544	372	544	254
165°	478	405	478	405	478	137
175°	430	422	430	422	430	42
180°	423	423	423	423	423	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1871.0	1872.6	1874.0	1870.5	1870.5	1867.5	1861.1	1856.0	1842.1	1840.0	1840.0
5°	2000.5	1999.3	2001.7	1993.7	1982.4	1979.9	1968.1	1952.4	1936.2	1918.1	1914.3
7.5°	2129.2	2127.4	2122.3	2121.0	2112.4	2093.4	2074.4	2054.0	2027.0	2000.7	1987.4
10°	2194.2	2214.8	2202.3	2180.4	2184.8	2155.5	2139.8	2113.0	2090.5	2051.1	2042.4
12.5°	2258.1	2266.3	2262.3	2249.9	2244.3	2223.9	2202.8	2179.5	2138.0	2102.6	2071.8
15°	2257.9	2269.8	2272.9	2269.1	2272.3	2271.0	2259.8	2240.4	2204.2	2165.4	2131.7
17.5°	2091.2	2099.5	2119.9	2133.8	2151.3	2188.3	2206.5	2213.7	2208.3	2186.2	2162.4
20°	1904.3	1890.5	1948.0	1977.4	2002.4	2064.8	2118.6	2139.2	2172.3	2171.7	2165.4
22.5°	1639.4	1642.7	1697.1	1732.0	1805.0	1867.4	1928.7	2006.3	2070.4	2112.7	2137.5
25°	1204.5	1228.3	1282.6	1330.2	1411.4	1527.5	1633.1	1755.6	1871.2	1962.4	2049.3
27.5°	904.7	906.4	949.5	993.4	1041.6	1136.9	1269.7	1416.0	1580.8	1716.8	1873.2
30°	774.7	770.9	789.0	816.0	857.2	930.9	1030.9	1174.6	1338.9	1543.8	1726.2
32.5°	682.7	683.0	696.6	716.5	750.7	800.5	868.9	985.6	1140.9	1342.4	1556.3
35°	593.5	592.9	602.9	617.3	631.6	663.5	710.4	771.6	878.4	1066.5	1285.2
37.5°	529.5	532.3	537.2	546.2	562.1	579.8	607.9	649.0	725.1	836.3	1020.1
40°	493.6	494.8	501.7	509.2	518.5	532.3	555.4	588.6	644.2	732.9	867.2
42.5°	460.6	461.9	466.7	473.7	481.1	494.8	514.0	542.6	587.7	656.9	767.7
45°	412.4	412.4	416.7	419.9	428.0	440.4	456.1	479.8	511.0	562.3	636.0
47.5°	367.1	367.2	370.1	375.5	380.6	390.4	405.7	425.1	447.8	487.5	550.4
50°	341.1	341.8	343.6	348.0	351.1	359.9	371.8	388.6	412.4	443.0	495.5
52.5°	320.2	319.8	322.1	324.0	326.1	332.4	341.3	356.1	377.3	404.0	447.4
55°	286.2	283.6	287.4	290.5	292.4	294.9	299.9	309.2	327.3	349.8	382.4
57.5°	243.7	242.6	245.3	248.2	254.0	260.8	265.1	271.0	280.4	296.5	328.7
60°	208.6	208.6	214.3	216.1	223.1	231.8	240.5	245.6	254.9	265.5	289.3
62.5°	177.7	178.2	180.8	182.7	186.5	197.3	209.5	220.5	229.4	239.5	255.3
65°	148.7	149.9	149.9	151.2	153.7	156.2	161.2	169.9	185.6	199.9	211.8
67.5°	126.2	126.6	126.9	128.2	128.8	131.6	133.5	137.5	141.0	154.7	169.4
70°	111.2	113.1	112.4	113.7	114.3	115.6	118.1	119.9	125.6	128.7	137.5
72.5°	97.2	98.6	98.5	99.2	100.9	101.1	103.1	104.9	108.6	111.2	115.9
75°	78.8	78.1	78.8	80.0	80.6	81.2	81.2	83.7	85.6	88.1	91.2
77.5°	60.7	61.4	61.2	61.4	61.5	62.6	62.5	63.6	65.5	66.7	68.2
80°	48.8	49.3	48.8	49.3	50.0	50.6	50.0	50.6	52.5	53.7	53.7
82.5°	37.7	37.8	38.2	38.4	38.5	38.6	39.5	39.6	41.0	40.8	41.3
85°	22.5	21.9	21.9	21.9	22.5	23.2	22.5	22.5	23.2	23.2	23.2
87.5°	13.4	13.9	13.9	13.9	13.9	13.7	13.4	14.2	13.9	14.5	13.9
90°	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0	26.8	27.6	26.8
92.5°	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9	89.4	105.7	104.3
95°	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2	279.1	318.9	282.3
97.5°	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5	571.2	544.5	410.1
100°	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9	760.0	642.8	442.6
102.5°	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7	830.3	646.0	430.3
105°	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6	819.4	602.9	406.0
107.5°	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5	748.0	556.8	394.0
110°	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7	703.0	534.6	391.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1246.9	1242.5	1228.7	1202.8	1154.1	1077.7	966.4	826.6	671.8	520.2	392.0
115°	1206.7	1199.4	1178.2	1140.8	1083.0	999.2	892.6	767.3	633.1	504.5	395.4
117.5°	1134.9	1128.8	1106.4	1066.9	1008.0	929.4	832.7	722.7	608.6	496.8	401.3
120°	1088.8	1080.6	1057.0	1018.7	961.8	887.7	801.5	700.6	595.7	492.3	405.2
122.5°	1040.6	1033.7	1012.7	975.1	924.1	857.1	775.4	683.0	584.6	489.7	409.8
125°	978.8	972.3	952.0	921.1	873.9	812.9	741.3	657.5	568.8	484.9	416.6
127.5°	924.9	919.7	902.0	873.1	831.9	775.6	708.1	632.3	554.2	482.2	423.6
130°	894.2	887.7	871.5	843.8	804.0	750.2	685.9	616.0	544.4	480.9	428.8
132.5°	862.3	856.5	841.6	813.8	774.6	724.1	665.1	600.3	536.5	480.2	434.0
135°	811.2	808.0	793.4	766.5	731.5	685.9	632.3	578.5	525.6	479.2	440.2
137.5°	761.2	756.3	743.4	720.3	688.4	648.7	606.0	561.1	518.0	479.1	445.7
140°	726.6	721.8	709.6	688.4	662.3	626.6	589.1	550.1	513.5	478.4	448.3
142.5°	692.1	691.1	680.3	661.0	636.3	606.3	574.1	541.0	508.9	478.4	450.3
145°	647.7	645.2	637.2	623.3	603.7	580.2	555.0	528.1	502.9	476.8	452.4
147.5°	610.4	608.9	603.4	592.4	576.3	559.0	539.3	518.1	496.7	473.9	453.1
150°	588.3	587.5	582.6	572.8	560.6	546.0	528.9	511.0	491.5	472.0	452.4
152.5°	569.4	569.2	565.7	557.2	547.6	534.9	520.4	503.9	486.9	468.7	451.1
155°	544.4	546.0	542.7	537.0	528.1	519.1	507.0	493.9	478.4	463.0	449.1
157.5°	523.0	523.0	521.5	516.8	510.5	503.5	493.3	482.3	470.5	457.1	445.4
160°	509.4	509.4	508.6	504.5	498.8	493.1	484.1	475.2	464.6	453.2	443.4
162.5°	496.4	497.0	496.2	493.4	487.7	483.3	475.6	468.1	459.4	450.0	441.5
165°	477.6	478.4	478.4	475.2	472.0	468.7	463.0	457.3	450.8	443.4	437.7
167.5°	460.4	461.4	461.5	459.7	458.3	455.3	451.4	447.0	442.3	437.7	434.0
170°	450.0	451.6	452.4	450.0	449.1	447.5	444.3	441.8	437.7	434.5	432.1
172.5°	441.5	442.5	443.3	442.1	441.3	440.3	437.7	435.9	433.3	430.6	429.5
175°	430.5	432.1	432.9	432.1	432.1	431.3	430.5	429.7	427.2	426.4	425.6
177.5°	423.8	425.1	425.7	425.7	425.7	425.7	425.1	425.1	423.8	423.1	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1841.1	1837.0	1833.6	1824.6	1820.1	1810.0	1808.6	1808.1	1795.1	1782.6	1779.1
5°	1904.3	1894.3	1879.3	1861.8	1843.7	1825.0	1812.5	1802.5	1777.4	1753.7	1740.0
7.5°	1968.1	1946.5	1920.7	1887.6	1859.9	1829.0	1806.0	1785.3	1749.9	1715.9	1693.0
10°	2015.5	1980.5	1946.1	1900.5	1864.9	1829.9	1797.5	1769.4	1729.3	1684.4	1652.5
12.5°	2045.0	2006.5	1959.2	1914.6	1868.4	1824.0	1780.5	1744.3	1697.4	1650.9	1613.1
15°	2084.9	2043.6	1986.2	1922.4	1863.0	1805.0	1755.0	1710.0	1648.8	1593.2	1546.9
17.5°	2117.5	2060.8	1999.0	1925.3	1856.6	1782.7	1718.4	1660.9	1592.8	1525.7	1471.2
20°	2127.9	2071.8	2000.5	1926.8	1845.6	1758.8	1689.4	1626.9	1553.8	1480.7	1418.2
22.5°	2121.5	2077.7	1998.5	1910.3	1827.1	1736.3	1657.9	1585.4	1504.3	1429.7	1357.2
25°	2077.4	2062.4	1987.4	1891.2	1796.2	1690.6	1600.0	1520.7	1428.2	1348.3	1269.5
27.5°	1974.5	2006.9	1960.4	1857.9	1752.3	1639.2	1537.3	1447.0	1351.0	1261.0	1182.6
30°	1875.6	1949.9	1929.9	1834.9	1716.9	1605.7	1491.3	1397.0	1294.5	1202.1	1124.6
32.5°	1740.1	1863.0	1882.4	1803.0	1680.9	1558.7	1438.8	1345.0	1238.0	1140.6	1065.1
35°	1524.4	1708.1	1792.4	1741.9	1619.4	1487.6	1363.8	1254.5	1147.0	1050.8	975.9
37.5°	1267.1	1517.4	1657.9	1661.5	1549.1	1412.0	1277.2	1168.7	1058.7	964.3	883.2
40°	1100.2	1371.3	1554.4	1595.1	1500.1	1352.0	1215.8	1105.2	997.8	905.3	812.2
42.5°	950.3	1220.4	1445.4	1516.0	1440.6	1293.6	1156.8	1041.2	936.8	849.3	754.2
45°	768.5	1004.6	1252.6	1378.8	1337.0	1200.8	1056.5	946.6	848.4	772.8	681.6
47.5°	648.2	814.7	1054.8	1225.4	1224.7	1100.3	958.4	853.0	762.1	691.2	617.4
50°	579.8	724.7	927.8	1121.4	1137.7	1033.4	898.4	794.1	709.1	634.8	575.4
52.5°	518.3	637.7	820.4	1006.0	1052.2	961.9	831.0	734.6	652.2	583.8	533.0
55°	438.0	530.4	669.1	842.8	912.8	849.1	732.9	642.9	576.0	518.5	474.8
57.5°	370.5	439.9	551.1	691.0	772.5	732.4	636.5	563.5	506.2	454.2	419.7
60°	328.0	384.8	479.2	596.1	686.0	657.9	576.0	507.9	459.2	414.3	381.7
62.5°	288.0	336.9	417.8	512.6	595.0	583.4	516.6	459.4	416.7	375.8	348.2
65°	231.8	267.4	330.5	404.9	471.1	476.7	428.6	389.9	351.7	319.3	294.9
67.5°	184.6	207.8	252.3	314.9	364.5	382.2	352.9	323.3	293.0	267.9	246.8
70°	155.6	174.3	206.8	257.4	303.0	321.7	304.9	281.8	255.5	234.9	216.8
72.5°	126.0	144.3	168.3	205.5	244.5	264.8	258.9	242.3	221.0	203.9	186.8
75°	95.0	100.6	116.8	141.9	172.4	190.0	194.3	185.6	168.7	155.6	145.5
77.5°	70.2	73.6	81.4	94.5	114.5	130.0	136.5	135.4	123.8	116.2	106.8
80°	56.3	58.1	61.9	67.5	82.5	98.1	102.5	102.5	94.3	91.2	81.9
82.5°	42.7	44.1	46.4	49.5	56.5	70.1	75.0	76.0	70.8	66.7	59.4
85°	24.4	23.7	25.0	26.9	28.1	31.9	39.4	40.6	39.4	34.3	32.4
87.5°	12.9	12.2	11.4	10.4	10.6	10.8	12.6	14.7	13.1	12.3	11.7
90°	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8	3.3	6.5	8.2
92.5°	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9	14.3	20.2	23.7
95°	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5	31.7	39.9	47.2
97.5°	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4	50.8	59.4	70.4
100°	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6	65.1	72.4	85.4
102.5°	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6	79.4	86.7	99.8
105°	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3	102.6	108.2	120.4
107.5°	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7	125.3	130.9	142.1
110°	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4	141.6	146.4	157.0



TEST NUMBER: P331755-930

CATALOG NUMBER: SA2XXRDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	301.9	246.5	212.1	187.8	171.4	161.4	155.9	152.6	155.9	161.4	171.4
115°	316.5	266.9	231.9	209.9	193.6	183.9	179.0	175.0	179.0	183.9	193.6
117.5°	332.2	285.6	253.2	230.4	214.8	206.2	201.3	198.0	201.3	206.2	214.8
120°	342.6	298.6	266.9	244.1	227.8	220.5	215.6	212.4	215.6	220.5	227.8
122.5°	351.6	311.0	281.2	257.8	241.5	233.5	228.6	226.1	228.6	233.5	241.5
125°	366.2	329.5	300.3	277.4	261.2	251.4	246.5	244.1	246.5	251.4	261.2
127.5°	379.7	346.8	318.3	294.9	279.2	268.5	261.7	258.4	261.7	268.5	279.2
130°	388.2	357.2	328.7	306.0	289.7	278.3	270.1	266.9	270.1	278.3	289.7
132.5°	396.6	366.3	339.2	316.3	299.5	287.4	278.6	274.7	278.6	287.4	299.5
135°	407.6	379.2	353.1	330.4	311.6	299.5	289.7	286.4	289.7	299.5	311.6
137.5°	416.1	389.6	363.9	342.8	324.2	311.1	301.4	297.5	301.4	311.1	324.2
140°	420.7	395.4	371.0	349.9	332.0	318.9	309.2	306.0	309.2	318.9	332.0
142.5°	424.6	400.0	376.3	356.4	339.2	326.1	317.0	314.4	317.0	326.1	339.2
145°	429.7	406.8	384.9	367.0	350.7	338.5	330.4	327.1	330.4	338.5	350.7
147.5°	432.4	412.4	391.8	375.8	362.2	351.0	343.2	340.8	343.2	351.0	362.2
150°	433.7	415.0	396.2	381.6	369.4	358.8	352.3	349.9	352.3	358.8	369.4
152.5°	434.3	417.6	400.8	387.5	375.9	366.6	360.1	359.0	360.1	366.6	375.9
155°	435.3	421.5	407.6	395.4	386.5	377.6	372.7	371.9	372.7	377.6	386.5
157.5°	435.3	424.3	412.5	402.3	395.1	387.3	383.4	382.6	383.4	387.3	395.1
160°	435.3	425.6	415.8	406.8	400.3	393.8	390.6	389.8	390.6	393.8	400.3
162.5°	434.6	426.2	417.8	410.7	404.9	399.7	396.4	396.9	396.4	399.7	404.9
165°	432.9	427.2	419.9	415.0	410.9	406.0	404.4	405.2	404.4	406.0	410.9
167.5°	431.8	427.1	421.7	418.6	415.6	412.5	411.1	412.1	411.1	412.5	415.6
170°	430.5	426.4	422.3	419.9	418.2	415.8	415.0	416.6	415.0	415.8	418.2
172.5°	428.5	425.7	423.0	421.2	420.2	417.8	418.2	419.2	418.2	417.8	420.2
175°	426.4	424.8	423.1	422.3	422.3	420.7	421.5	422.3	421.5	420.7	422.3
177.5°	425.1	423.8	423.1	423.1	423.1	421.8	422.5	423.8	422.5	421.8	423.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331755-930

CATALOG NUMBER: SA2XXRDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1772.6	1769.1	1762.6	1752.6	1746.6	1736.1	1729.1	1733.1	1734.1	1733.1	1732.1
5°	1725.0	1711.9	1693.8	1676.3	1660.0	1642.5	1632.6	1628.2	1619.4	1614.4	1611.9
7.5°	1667.4	1644.8	1619.2	1588.7	1562.8	1535.7	1521.8	1514.9	1497.1	1487.4	1478.8
10°	1624.4	1588.8	1563.2	1523.2	1498.8	1463.2	1438.8	1439.5	1415.1	1401.3	1391.4
12.5°	1577.0	1537.8	1495.2	1459.2	1425.4	1396.8	1367.3	1355.5	1329.7	1316.4	1289.4
15°	1498.2	1452.6	1407.6	1358.9	1324.5	1280.2	1237.7	1185.9	1143.9	1107.7	1097.7
17.5°	1412.3	1355.8	1310.7	1253.4	1194.6	1120.0	1070.7	1040.6	1015.4	996.3	982.0
20°	1353.2	1295.8	1247.7	1161.5	1082.1	1031.5	995.2	972.2	945.9	925.3	914.0
22.5°	1291.3	1231.3	1165.7	1069.5	1007.6	967.0	934.7	908.2	890.4	874.3	864.1
25°	1203.3	1137.7	1029.6	963.4	913.4	870.9	848.4	832.2	813.4	791.6	781.6
27.5°	1110.4	1006.0	928.4	879.1	831.4	803.8	783.6	759.4	742.6	732.7	722.4
30°	1040.9	936.5	876.0	822.2	788.5	757.8	734.1	720.4	704.1	687.2	680.4
32.5°	963.4	880.0	822.0	777.2	743.0	716.9	698.1	675.9	664.1	653.8	639.4
35°	867.2	804.0	751.0	714.8	682.2	661.0	639.1	626.0	604.8	596.1	590.4
37.5°	785.7	731.0	691.4	653.1	627.4	603.9	590.5	569.6	560.4	548.3	536.5
40°	739.7	686.0	647.9	616.6	587.9	570.4	553.5	536.7	522.9	517.3	503.0
42.5°	692.8	649.0	610.9	576.7	557.4	538.9	517.6	505.2	491.0	481.8	473.0
45°	627.9	589.1	556.7	528.6	507.3	488.0	474.2	453.6	445.5	427.4	419.9
47.5°	571.0	534.9	503.9	477.2	456.5	443.8	423.7	407.6	394.6	383.5	373.9
50°	530.4	500.4	470.4	446.7	428.0	409.9	389.2	381.1	361.1	355.5	349.8
52.5°	493.4	465.0	437.5	414.3	395.5	377.9	359.7	349.1	335.7	330.0	325.9
55°	441.7	414.3	388.0	367.4	348.6	330.5	319.3	306.1	299.9	295.5	290.5
57.5°	389.7	365.0	344.9	324.0	305.2	290.7	277.8	269.9	263.4	257.6	251.7
60°	356.8	333.0	314.9	295.5	276.1	264.2	254.3	244.9	237.4	228.7	226.2
62.5°	321.7	301.0	284.4	265.5	248.7	237.8	228.3	219.4	210.4	197.7	194.2
65°	273.6	257.4	239.9	224.3	209.3	198.7	184.9	175.0	171.2	169.9	169.3
67.5°	230.2	214.8	199.8	183.8	170.2	160.3	153.4	151.8	149.2	148.5	146.7
70°	201.2	186.8	171.8	156.8	143.7	141.9	139.3	136.8	133.7	132.5	131.2
72.5°	175.2	160.3	145.3	133.3	127.7	125.3	122.9	120.3	118.2	117.0	116.2
75°	134.4	120.6	110.6	106.2	103.1	101.2	97.4	95.6	94.3	92.5	91.8
77.5°	96.7	88.9	84.4	81.6	78.4	76.3	74.2	72.3	71.0	70.6	69.6
80°	73.7	70.0	66.9	63.1	61.9	59.4	58.7	56.8	57.5	55.6	55.6
82.5°	57.2	52.5	49.9	48.1	46.9	44.8	44.3	43.4	43.5	42.1	42.1
85°	29.4	28.1	26.9	25.6	25.6	23.7	24.4	23.7	23.7	22.5	21.9
87.5°	11.4	11.4	11.3	12.4	13.4	13.0	12.9	12.2	11.9	12.2	11.9
90°	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0	24.4	26.0	26.8
92.5°	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9	60.9	54.1	49.0
95°	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2	163.5	129.4	111.5
97.5°	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5	407.0	318.9	260.2
100°	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9	642.0	530.5	432.1
102.5°	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7	880.9	799.4	695.0
105°	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6	1080.6	1091.2	1064.3
107.5°	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5	1065.9	1150.6	1189.9
110°	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7	1020.3	1124.5	1191.2



TEST NUMBER: P331755-930

CATALOG NUMBER: SA2XXRDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	187.8	212.1	246.5	301.9	392.0	520.2	671.8	826.6	966.4	1077.7	1154.1
115°	209.9	231.9	266.9	316.5	395.4	504.5	633.1	767.3	892.6	999.2	1083.0
117.5°	230.4	253.2	285.6	332.2	401.3	496.8	608.6	722.7	832.7	929.4	1008.0
120°	244.1	266.9	298.6	342.6	405.2	492.3	595.7	700.6	801.5	887.7	961.8
122.5°	257.8	281.2	311.0	351.6	409.8	489.7	584.6	683.0	775.4	857.1	924.1
125°	277.4	300.3	329.5	366.2	416.6	484.9	568.8	657.5	741.3	812.9	873.9
127.5°	294.9	318.3	346.8	379.7	423.6	482.2	554.2	632.3	708.1	775.6	831.9
130°	306.0	328.7	357.2	388.2	428.8	480.9	544.4	616.0	685.9	750.2	804.0
132.5°	316.3	339.2	366.3	396.6	434.0	480.2	536.5	600.3	665.1	724.1	774.6
135°	330.4	353.1	379.2	407.6	440.2	479.2	525.6	578.5	632.3	685.9	731.5
137.5°	342.8	363.9	389.6	416.1	445.7	479.1	518.0	561.1	606.0	648.7	688.4
140°	349.9	371.0	395.4	420.7	448.3	478.4	513.5	550.1	589.1	626.6	662.3
142.5°	356.4	376.3	400.0	424.6	450.3	478.4	508.9	541.0	574.1	606.3	636.3
145°	367.0	384.9	406.8	429.7	452.4	476.8	502.9	528.1	555.0	580.2	603.7
147.5°	375.8	391.8	412.4	432.4	453.1	473.9	496.7	518.1	539.3	559.0	576.3
150°	381.6	396.2	415.0	433.7	452.4	472.0	491.5	511.0	528.9	546.0	560.6
152.5°	387.5	400.8	417.6	434.3	451.1	468.7	486.9	503.9	520.4	534.9	547.6
155°	395.4	407.6	421.5	435.3	449.1	463.0	478.4	493.9	507.0	519.1	528.1
157.5°	402.3	412.5	424.3	435.3	445.4	457.1	470.5	482.3	493.3	503.5	510.5
160°	406.8	415.8	425.6	435.3	443.4	453.2	464.6	475.2	484.1	493.1	498.8
162.5°	410.7	417.8	426.2	434.6	441.5	450.0	459.4	468.1	475.6	483.3	487.7
165°	415.0	419.9	427.2	432.9	437.7	443.4	450.8	457.3	463.0	468.7	472.0
167.5°	418.6	421.7	427.1	431.8	434.0	437.7	442.3	447.0	451.4	455.3	458.3
170°	419.9	422.3	426.4	430.5	432.1	434.5	437.7	441.8	444.3	447.5	449.1
172.5°	421.2	423.0	425.7	428.5	429.5	430.6	433.3	435.9	437.7	440.3	441.3
175°	422.3	423.1	424.8	426.4	425.6	426.4	427.2	429.7	430.5	431.3	432.1
177.5°	423.1	423.1	423.8	425.1	423.8	423.1	423.8	425.1	425.1	425.7	425.7
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331755-930

CATALOG NUMBER: SA2XXRDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1726.6	1727.6	1726.2	1727.1	1726.2	1727.6	1726.6	1732.1	1733.1	1734.1	1733.1
5°	1608.7	1601.2	1600.0	1598.1	1600.0	1601.2	1608.7	1611.9	1614.4	1619.4	1628.2
7.5°	1468.1	1467.0	1463.9	1459.5	1463.9	1467.0	1468.1	1478.8	1487.4	1497.1	1514.9
10°	1377.6	1374.5	1373.9	1369.5	1373.9	1374.5	1377.6	1391.4	1401.3	1415.1	1439.5
12.5°	1271.6	1251.6	1249.4	1238.5	1249.4	1251.6	1271.6	1289.4	1316.4	1329.7	1355.5
15°	1082.7	1079.0	1066.5	1058.3	1066.5	1079.0	1082.7	1097.7	1107.7	1143.9	1185.9
17.5°	974.8	962.5	958.6	956.9	958.6	962.5	974.8	982.0	996.3	1015.4	1040.6
20°	905.3	894.1	892.2	891.0	892.2	894.1	905.3	914.0	925.3	945.9	972.2
22.5°	857.3	845.5	840.7	836.9	840.7	845.5	857.3	864.1	874.3	890.4	908.2
25°	775.3	770.9	768.5	767.2	768.5	770.9	775.3	781.6	791.6	813.4	832.2
27.5°	711.3	701.6	699.8	696.5	699.8	701.6	711.3	722.4	732.7	742.6	759.4
30°	674.7	671.6	667.2	663.5	667.2	671.6	674.7	680.4	687.2	704.1	720.4
32.5°	631.8	629.2	625.3	623.5	625.3	629.2	631.8	639.4	653.8	664.1	675.9
35°	584.2	575.4	571.7	566.1	571.7	575.4	584.2	590.4	596.1	604.8	626.0
37.5°	533.8	529.2	523.9	525.8	523.9	529.2	533.8	536.5	548.3	560.4	569.6
40°	494.8	491.7	490.5	489.8	490.5	491.7	494.8	503.0	517.3	522.9	536.7
42.5°	463.8	455.2	451.9	451.8	451.9	455.2	463.8	473.0	481.8	491.0	505.2
45°	416.7	408.6	403.0	403.6	403.0	408.6	416.7	419.9	427.4	445.5	453.6
47.5°	368.5	368.3	364.8	365.8	364.8	368.3	368.5	373.9	383.5	394.6	407.6
50°	345.5	341.8	339.2	339.9	339.2	341.8	345.5	349.8	355.5	361.1	381.1
52.5°	323.5	320.2	318.3	320.9	318.3	320.2	323.5	325.9	330.0	335.7	349.1
55°	287.4	283.6	283.0	282.4	283.0	283.6	287.4	290.5	295.5	299.9	306.1
57.5°	247.0	244.5	240.8	239.1	240.8	244.5	247.0	251.7	257.6	263.4	269.9
60°	218.0	213.0	206.8	206.2	206.8	213.0	218.0	226.2	228.7	237.4	244.9
62.5°	191.5	190.5	189.3	189.1	189.3	190.5	191.5	194.2	197.7	210.4	219.4
65°	168.0	167.5	168.0	168.7	168.0	167.5	168.0	169.3	169.9	171.2	175.0
67.5°	146.4	145.3	144.2	144.7	144.2	145.3	146.4	146.7	148.5	149.2	151.8
70°	130.0	129.3	128.7	128.7	128.7	129.3	130.0	131.2	132.5	133.7	136.8
72.5°	114.0	113.8	113.2	112.7	113.2	113.8	114.0	116.2	117.0	118.2	120.3
75°	91.2	89.9	89.9	89.9	89.9	89.9	91.2	91.8	92.5	94.3	95.6
77.5°	69.5	68.8	68.2	67.8	68.2	68.8	69.5	69.6	70.6	71.0	72.3
80°	55.0	54.4	53.7	53.7	53.7	54.4	55.0	55.6	55.6	57.5	56.8
82.5°	42.0	41.3	41.3	40.8	41.3	41.3	42.0	42.1	42.1	43.5	43.4
85°	22.5	23.2	22.5	23.7	22.5	23.2	22.5	21.9	22.5	23.7	23.7
87.5°	11.9	11.3	11.9	11.3	11.9	11.3	11.9	11.9	12.2	11.9	12.2
90°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.0	24.4	26.0
92.5°	48.3	45.7	46.4	45.1	46.4	45.7	48.3	49.0	54.1	60.9	70.9
95°	100.9	94.4	92.0	92.8	92.0	94.4	100.9	111.5	129.4	163.5	213.2
97.5°	221.4	201.3	189.4	182.6	189.4	201.3	221.4	260.2	318.9	407.0	497.5
100°	364.5	329.5	306.0	291.3	306.0	329.5	364.5	432.1	530.5	642.0	742.9
102.5°	621.7	561.9	532.5	512.7	532.5	561.9	621.7	695.0	799.4	880.9	903.7
105°	1013.8	963.4	928.4	917.0	928.4	963.4	1013.8	1064.3	1091.2	1080.6	988.6
107.5°	1196.3	1193.5	1186.5	1171.4	1186.5	1193.5	1196.3	1189.9	1150.6	1065.9	927.5
110°	1226.2	1241.7	1249.0	1248.2	1249.0	1241.7	1226.2	1191.2	1124.5	1020.3	874.7



TEST NUMBER: P331755-930

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1202.8	1228.7	1242.5	1246.9	1242.5	1228.7	1202.8	1154.1	1077.7	966.4	826.6
115°	1140.8	1178.2	1199.4	1206.7	1199.4	1178.2	1140.8	1083.0	999.2	892.6	767.3
117.5°	1066.9	1106.4	1128.8	1134.9	1128.8	1106.4	1066.9	1008.0	929.4	832.7	722.7
120°	1018.7	1057.0	1080.6	1088.8	1080.6	1057.0	1018.7	961.8	887.7	801.5	700.6
122.5°	975.1	1012.7	1033.7	1040.6	1033.7	1012.7	975.1	924.1	857.1	775.4	683.0
125°	921.1	952.0	972.3	978.8	972.3	952.0	921.1	873.9	812.9	741.3	657.5
127.5°	873.1	902.0	919.7	924.9	919.7	902.0	873.1	831.9	775.6	708.1	632.3
130°	843.8	871.5	887.7	894.2	887.7	871.5	843.8	804.0	750.2	685.9	616.0
132.5°	813.8	841.6	856.5	862.3	856.5	841.6	813.8	774.6	724.1	665.1	600.3
135°	766.5	793.4	808.0	811.2	808.0	793.4	766.5	731.5	685.9	632.3	578.5
137.5°	720.3	743.4	756.3	761.2	756.3	743.4	720.3	688.4	648.7	606.0	561.1
140°	688.4	709.6	721.8	726.6	721.8	709.6	688.4	662.3	626.6	589.1	550.1
142.5°	661.0	680.3	691.1	692.1	691.1	680.3	661.0	636.3	606.3	574.1	541.0
145°	623.3	637.2	645.2	647.7	645.2	637.2	623.3	603.7	580.2	555.0	528.1
147.5°	592.4	603.4	608.9	610.4	608.9	603.4	592.4	576.3	559.0	539.3	518.1
150°	572.8	582.6	587.5	588.3	587.5	582.6	572.8	560.6	546.0	528.9	511.0
152.5°	557.2	565.7	569.2	569.4	569.2	565.7	557.2	547.6	534.9	520.4	503.9
155°	537.0	542.7	546.0	544.4	546.0	542.7	537.0	528.1	519.1	507.0	493.9
157.5°	516.8	521.5	523.0	523.0	523.0	521.5	516.8	510.5	503.5	493.3	482.3
160°	504.5	508.6	509.4	509.4	509.4	508.6	504.5	498.8	493.1	484.1	475.2
162.5°	493.4	496.2	497.0	496.4	497.0	496.2	493.4	487.7	483.3	475.6	468.1
165°	475.2	478.4	478.4	477.6	478.4	478.4	475.2	472.0	468.7	463.0	457.3
167.5°	459.7	461.5	461.4	460.4	461.4	461.5	459.7	458.3	455.3	451.4	447.0
170°	450.0	452.4	451.6	450.0	451.6	452.4	450.0	449.1	447.5	444.3	441.8
172.5°	442.1	443.3	442.5	441.5	442.5	443.3	442.1	441.3	440.3	437.7	435.9
175°	432.1	432.9	432.1	430.5	432.1	432.9	432.1	432.1	431.3	430.5	429.7
177.5°	425.7	425.7	425.1	423.8	425.1	425.7	425.7	425.7	425.7	425.1	425.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331755-930

CATALOG NUMBER: SA2XXRDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1729.1	1736.1	1746.6	1752.6	1762.6	1769.1	1772.6	1779.1	1782.6	1795.1	1808.1
5°	1632.6	1642.5	1660.0	1676.3	1693.8	1711.9	1725.0	1740.0	1753.7	1777.4	1802.5
7.5°	1521.8	1535.7	1562.8	1588.7	1619.2	1644.8	1667.4	1693.0	1715.9	1749.9	1785.3
10°	1438.8	1463.2	1498.8	1523.2	1563.2	1588.8	1624.4	1652.5	1684.4	1729.3	1769.4
12.5°	1367.3	1396.8	1425.4	1459.2	1495.2	1537.8	1577.0	1613.1	1650.9	1697.4	1744.3
15°	1237.7	1280.2	1324.5	1358.9	1407.6	1452.6	1498.2	1546.9	1593.2	1648.8	1710.0
17.5°	1070.7	1120.0	1194.6	1253.4	1310.7	1355.8	1412.3	1471.2	1525.7	1592.8	1660.9
20°	995.2	1031.5	1082.1	1161.5	1247.7	1295.8	1353.2	1418.2	1480.7	1553.8	1626.9
22.5°	934.7	967.0	1007.6	1069.5	1165.7	1231.3	1291.3	1357.2	1429.7	1504.3	1585.4
25°	848.4	870.9	913.4	963.4	1029.6	1137.7	1203.3	1269.5	1348.3	1428.2	1520.7
27.5°	783.6	803.8	831.4	879.1	928.4	1006.0	1110.4	1182.6	1261.0	1351.0	1447.0
30°	734.1	757.8	788.5	822.2	876.0	936.5	1040.9	1124.6	1202.1	1294.5	1397.0
32.5°	698.1	716.9	743.0	777.2	822.0	880.0	963.4	1065.1	1140.6	1238.0	1345.0
35°	639.1	661.0	682.2	714.8	751.0	804.0	867.2	975.9	1050.8	1147.0	1254.5
37.5°	590.5	603.9	627.4	653.1	691.4	731.0	785.7	883.2	964.3	1058.7	1168.7
40°	553.5	570.4	587.9	616.6	647.9	686.0	739.7	812.2	905.3	997.8	1105.2
42.5°	517.6	538.9	557.4	576.7	610.9	649.0	692.8	754.2	849.3	936.8	1041.2
45°	474.2	488.0	507.3	528.6	556.7	589.1	627.9	681.6	772.8	848.4	946.6
47.5°	423.7	443.8	456.5	477.2	503.9	534.9	571.0	617.4	691.2	762.1	853.0
50°	389.2	409.9	428.0	446.7	470.4	500.4	530.4	575.4	634.8	709.1	794.1
52.5°	359.7	377.9	395.5	414.3	437.5	465.0	493.4	533.0	583.8	652.2	734.6
55°	319.3	330.5	348.6	367.4	388.0	414.3	441.7	474.8	518.5	576.0	642.9
57.5°	277.8	290.7	305.2	324.0	344.9	365.0	389.7	419.7	454.2	506.2	563.5
60°	254.3	264.2	276.1	295.5	314.9	333.0	356.8	381.7	414.3	459.2	507.9
62.5°	228.3	237.8	248.7	265.5	284.4	301.0	321.7	348.2	375.8	416.7	459.4
65°	184.9	198.7	209.3	224.3	239.9	257.4	273.6	294.9	319.3	351.7	389.9
67.5°	153.4	160.3	170.2	183.8	199.8	214.8	230.2	246.8	267.9	293.0	323.3
70°	139.3	141.9	143.7	156.8	171.8	186.8	201.2	216.8	234.9	255.5	281.8
72.5°	122.9	125.3	127.7	133.3	145.3	160.3	175.2	186.8	203.9	221.0	242.3
75°	97.4	101.2	103.1	106.2	110.6	120.6	134.4	145.5	155.6	168.7	185.6
77.5°	74.2	76.3	78.4	81.6	84.4	88.9	96.7	106.8	116.2	123.8	135.4
80°	58.7	59.4	61.9	63.1	66.9	70.0	73.7	81.9	91.2	94.3	102.5
82.5°	44.3	44.8	46.9	48.1	49.9	52.5	57.2	59.4	66.7	70.8	76.0
85°	24.4	23.7	25.6	25.6	26.9	28.1	29.4	32.4	34.3	39.4	40.6
87.5°	12.9	13.0	13.4	12.4	11.3	11.4	11.4	11.7	12.3	13.1	14.7
90°	26.8	27.6	26.8	21.9	16.3	12.2	9.8	8.2	6.5	3.3	0.8
92.5°	89.4	105.7	104.3	81.2	55.4	36.9	29.3	23.7	20.2	14.3	9.9
95°	279.1	318.9	282.3	187.9	117.2	79.7	60.3	47.2	39.9	31.7	28.5
97.5°	571.2	544.5	410.1	253.2	154.6	107.5	85.4	70.4	59.4	50.8	46.4
100°	760.0	642.8	442.6	266.9	167.6	124.5	101.7	85.4	72.4	65.1	62.6
102.5°	830.3	646.0	430.3	267.6	179.4	139.5	116.7	99.8	86.7	79.4	77.6
105°	819.4	602.9	406.0	271.7	199.3	161.1	138.4	120.4	108.2	102.6	99.3
107.5°	748.0	556.8	394.0	283.0	219.9	182.8	159.8	142.1	130.9	125.3	122.7
110°	703.0	534.6	391.4	292.1	233.5	197.7	174.1	157.0	146.4	141.6	138.4



TEST NUMBER: P331755-930

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	671.8	520.2	392.0	301.9	246.5	212.1	187.8	171.4	161.4	155.9	152.6
115°	633.1	504.5	395.4	316.5	266.9	231.9	209.9	193.6	183.9	179.0	175.0
117.5°	608.6	496.8	401.3	332.2	285.6	253.2	230.4	214.8	206.2	201.3	198.0
120°	595.7	492.3	405.2	342.6	298.6	266.9	244.1	227.8	220.5	215.6	212.4
122.5°	584.6	489.7	409.8	351.6	311.0	281.2	257.8	241.5	233.5	228.6	226.1
125°	568.8	484.9	416.6	366.2	329.5	300.3	277.4	261.2	251.4	246.5	244.1
127.5°	554.2	482.2	423.6	379.7	346.8	318.3	294.9	279.2	268.5	261.7	258.4
130°	544.4	480.9	428.8	388.2	357.2	328.7	306.0	289.7	278.3	270.1	266.9
132.5°	536.5	480.2	434.0	396.6	366.3	339.2	316.3	299.5	287.4	278.6	274.7
135°	525.6	479.2	440.2	407.6	379.2	353.1	330.4	311.6	299.5	289.7	286.4
137.5°	518.0	479.1	445.7	416.1	389.6	363.9	342.8	324.2	311.1	301.4	297.5
140°	513.5	478.4	448.3	420.7	395.4	371.0	349.9	332.0	318.9	309.2	306.0
142.5°	508.9	478.4	450.3	424.6	400.0	376.3	356.4	339.2	326.1	317.0	314.4
145°	502.9	476.8	452.4	429.7	406.8	384.9	367.0	350.7	338.5	330.4	327.1
147.5°	496.7	473.9	453.1	432.4	412.4	391.8	375.8	362.2	351.0	343.2	340.8
150°	491.5	472.0	452.4	433.7	415.0	396.2	381.6	369.4	358.8	352.3	349.9
152.5°	486.9	468.7	451.1	434.3	417.6	400.8	387.5	375.9	366.6	360.1	359.0
155°	478.4	463.0	449.1	435.3	421.5	407.6	395.4	386.5	377.6	372.7	371.9
157.5°	470.5	457.1	445.4	435.3	424.3	412.5	402.3	395.1	387.3	383.4	382.6
160°	464.6	453.2	443.4	435.3	425.6	415.8	406.8	400.3	393.8	390.6	389.8
162.5°	459.4	450.0	441.5	434.6	426.2	417.8	410.7	404.9	399.7	396.4	396.9
165°	450.8	443.4	437.7	432.9	427.2	419.9	415.0	410.9	406.0	404.4	405.2
167.5°	442.3	437.7	434.0	431.8	427.1	421.7	418.6	415.6	412.5	411.1	412.1
170°	437.7	434.5	432.1	430.5	426.4	422.3	419.9	418.2	415.8	415.0	416.6
172.5°	433.3	430.6	429.5	428.5	425.7	423.0	421.2	420.2	417.8	418.2	419.2
175°	427.2	426.4	425.6	426.4	424.8	423.1	422.3	422.3	420.7	421.5	422.3
177.5°	423.8	423.1	423.8	425.1	423.8	423.1	423.1	423.1	421.8	422.5	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



TEST NUMBER: P331755-930

CATALOG NUMBER: SA2XXRDIP-C1005D925U930-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1808.6	1810.0	1820.1	1824.6	1833.6	1837.0	1841.1	1840.0	1840.0	1842.1	1856.0
5°	1812.5	1825.0	1843.7	1861.8	1879.3	1894.3	1904.3	1914.3	1918.1	1936.2	1952.4
7.5°	1806.0	1829.0	1859.9	1887.6	1920.7	1946.5	1968.1	1987.4	2000.7	2027.0	2054.0
10°	1797.5	1829.9	1864.9	1900.5	1946.1	1980.5	2015.5	2042.4	2051.1	2090.5	2113.0
12.5°	1780.5	1824.0	1868.4	1914.6	1959.2	2006.5	2045.0	2071.8	2102.6	2138.0	2179.5
15°	1755.0	1805.0	1863.0	1922.4	1986.2	2043.6	2084.9	2131.7	2165.4	2204.2	2240.4
17.5°	1718.4	1782.7	1856.6	1925.3	1999.0	2060.8	2117.5	2162.4	2186.2	2208.3	2213.7
20°	1689.4	1758.8	1845.6	1926.8	2000.5	2071.8	2127.9	2165.4	2171.7	2172.3	2139.2
22.5°	1657.9	1736.3	1827.1	1910.3	1998.5	2077.7	2121.5	2137.5	2112.7	2070.4	2006.3
25°	1600.0	1690.6	1796.2	1891.2	1987.4	2062.4	2077.4	2049.3	1962.4	1871.2	1755.6
27.5°	1537.3	1639.2	1752.3	1857.9	1960.4	2006.9	1974.5	1873.2	1716.8	1580.8	1416.0
30°	1491.3	1605.7	1716.9	1834.9	1929.9	1949.9	1875.6	1726.2	1543.8	1338.9	1174.6
32.5°	1438.8	1558.7	1680.9	1803.0	1882.4	1863.0	1740.1	1556.3	1342.4	1140.9	985.6
35°	1363.8	1487.6	1619.4	1741.9	1792.4	1708.1	1524.4	1285.2	1066.5	878.4	771.6
37.5°	1277.2	1412.0	1549.1	1661.5	1657.9	1517.4	1267.1	1020.1	836.3	725.1	649.0
40°	1215.8	1352.0	1500.1	1595.1	1554.4	1371.3	1100.2	867.2	732.9	644.2	588.6
42.5°	1156.8	1293.6	1440.6	1516.0	1445.4	1220.4	950.3	767.7	656.9	587.7	542.6
45°	1056.5	1200.8	1337.0	1378.8	1252.6	1004.6	768.5	636.0	562.3	511.0	479.8
47.5°	958.4	1100.3	1224.7	1225.4	1054.8	814.7	648.2	550.4	487.5	447.8	425.1
50°	898.4	1033.4	1137.7	1121.4	927.8	724.7	579.8	495.5	443.0	412.4	388.6
52.5°	831.0	961.9	1052.2	1006.0	820.4	637.7	518.3	447.4	404.0	377.3	356.1
55°	732.9	849.1	912.8	842.8	669.1	530.4	438.0	382.4	349.8	327.3	309.2
57.5°	636.5	732.4	772.5	691.0	551.1	439.9	370.5	328.7	296.5	280.4	271.0
60°	576.0	657.9	686.0	596.1	479.2	384.8	328.0	289.3	265.5	254.9	245.6
62.5°	516.6	583.4	595.0	512.6	417.8	336.9	288.0	255.3	239.5	229.4	220.5
65°	428.6	476.7	471.1	404.9	330.5	267.4	231.8	211.8	199.9	185.6	169.9
67.5°	352.9	382.2	364.5	314.9	252.3	207.8	184.6	169.4	154.7	141.0	137.5
70°	304.9	321.7	303.0	257.4	206.8	174.3	155.6	137.5	128.7	125.6	119.9
72.5°	258.9	264.8	244.5	205.5	168.3	144.3	126.0	115.9	111.2	108.6	104.9
75°	194.3	190.0	172.4	141.9	116.8	100.6	95.0	91.2	88.1	85.6	83.7
77.5°	136.5	130.0	114.5	94.5	81.4	73.6	70.2	68.2	66.7	65.5	63.6
80°	102.5	98.1	82.5	67.5	61.9	58.1	56.3	53.7	53.7	52.5	50.6
82.5°	75.0	70.1	56.5	49.5	46.4	44.1	42.7	41.3	40.8	41.0	39.6
85°	39.4	31.9	28.1	26.9	25.0	23.7	24.4	23.2	23.2	23.2	22.5
87.5°	12.6	10.8	10.6	10.4	11.4	12.2	12.9	13.9	14.5	13.9	14.2
90°	3.3	6.5	8.2	9.8	12.2	16.3	21.9	26.8	27.6	26.8	26.0
92.5°	14.3	20.2	23.7	29.3	36.9	55.4	81.2	104.3	105.7	89.4	70.9
95°	31.7	39.9	47.2	60.3	79.7	117.2	187.9	282.3	318.9	279.1	213.2
97.5°	50.8	59.4	70.4	85.4	107.5	154.6	253.2	410.1	544.5	571.2	497.5
100°	65.1	72.4	85.4	101.7	124.5	167.6	266.9	442.6	642.8	760.0	742.9
102.5°	79.4	86.7	99.8	116.7	139.5	179.4	267.6	430.3	646.0	830.3	903.7
105°	102.6	108.2	120.4	138.4	161.1	199.3	271.7	406.0	602.9	819.4	988.6
107.5°	125.3	130.9	142.1	159.8	182.8	219.9	283.0	394.0	556.8	748.0	927.5
110°	141.6	146.4	157.0	174.1	197.7	233.5	292.1	391.4	534.6	703.0	874.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	155.9	161.4	171.4	187.8	212.1	246.5	301.9	392.0	520.2	671.8	826.6
115°	179.0	183.9	193.6	209.9	231.9	266.9	316.5	395.4	504.5	633.1	767.3
117.5°	201.3	206.2	214.8	230.4	253.2	285.6	332.2	401.3	496.8	608.6	722.7
120°	215.6	220.5	227.8	244.1	266.9	298.6	342.6	405.2	492.3	595.7	700.6
122.5°	228.6	233.5	241.5	257.8	281.2	311.0	351.6	409.8	489.7	584.6	683.0
125°	246.5	251.4	261.2	277.4	300.3	329.5	366.2	416.6	484.9	568.8	657.5
127.5°	261.7	268.5	279.2	294.9	318.3	346.8	379.7	423.6	482.2	554.2	632.3
130°	270.1	278.3	289.7	306.0	328.7	357.2	388.2	428.8	480.9	544.4	616.0
132.5°	278.6	287.4	299.5	316.3	339.2	366.3	396.6	434.0	480.2	536.5	600.3
135°	289.7	299.5	311.6	330.4	353.1	379.2	407.6	440.2	479.2	525.6	578.5
137.5°	301.4	311.1	324.2	342.8	363.9	389.6	416.1	445.7	479.1	518.0	561.1
140°	309.2	318.9	332.0	349.9	371.0	395.4	420.7	448.3	478.4	513.5	550.1
142.5°	317.0	326.1	339.2	356.4	376.3	400.0	424.6	450.3	478.4	508.9	541.0
145°	330.4	338.5	350.7	367.0	384.9	406.8	429.7	452.4	476.8	502.9	528.1
147.5°	343.2	351.0	362.2	375.8	391.8	412.4	432.4	453.1	473.9	496.7	518.1
150°	352.3	358.8	369.4	381.6	396.2	415.0	433.7	452.4	472.0	491.5	511.0
152.5°	360.1	366.6	375.9	387.5	400.8	417.6	434.3	451.1	468.7	486.9	503.9
155°	372.7	377.6	386.5	395.4	407.6	421.5	435.3	449.1	463.0	478.4	493.9
157.5°	383.4	387.3	395.1	402.3	412.5	424.3	435.3	445.4	457.1	470.5	482.3
160°	390.6	393.8	400.3	406.8	415.8	425.6	435.3	443.4	453.2	464.6	475.2
162.5°	396.4	399.7	404.9	410.7	417.8	426.2	434.6	441.5	450.0	459.4	468.1
165°	404.4	406.0	410.9	415.0	419.9	427.2	432.9	437.7	443.4	450.8	457.3
167.5°	411.1	412.5	415.6	418.6	421.7	427.1	431.8	434.0	437.7	442.3	447.0
170°	415.0	415.8	418.2	419.9	422.3	426.4	430.5	432.1	434.5	437.7	441.8
172.5°	418.2	417.8	420.2	421.2	423.0	425.7	428.5	429.5	430.6	433.3	435.9
175°	421.5	420.7	422.3	422.3	423.1	424.8	426.4	425.6	426.4	427.2	429.7
177.5°	422.5	421.8	423.1	423.1	423.1	423.8	425.1	423.8	423.1	423.8	425.1
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1	1798.1
2.5°	1861.1	1867.5	1870.5	1870.5	1874.0	1872.6	1871.0
5°	1968.1	1979.9	1982.4	1993.7	2001.7	1999.3	2000.5
7.5°	2074.4	2093.4	2112.4	2121.0	2122.3	2127.4	2129.2
10°	2139.8	2155.5	2184.8	2180.4	2202.3	2214.8	2194.2
12.5°	2202.8	2223.9	2244.3	2249.9	2262.3	2266.3	2258.1
15°	2259.8	2271.0	2272.3	2269.1	2272.9	2269.8	2257.9
17.5°	2206.5	2188.3	2151.3	2133.8	2119.9	2099.5	2091.2
20°	2118.6	2064.8	2002.4	1977.4	1948.0	1890.5	1904.3
22.5°	1928.7	1867.4	1805.0	1732.0	1697.1	1642.7	1639.4
25°	1633.1	1527.5	1411.4	1330.2	1282.6	1228.3	1204.5
27.5°	1269.7	1136.9	1041.6	993.4	949.5	906.4	904.7
30°	1030.9	930.9	857.2	816.0	789.0	770.9	774.7
32.5°	868.9	800.5	750.7	716.5	696.6	683.0	682.7
35°	710.4	663.5	631.6	617.3	602.9	592.9	593.5
37.5°	607.9	579.8	562.1	546.2	537.2	532.3	529.5
40°	555.4	532.3	518.5	509.2	501.7	494.8	493.6
42.5°	514.0	494.8	481.1	473.7	466.7	461.9	460.6
45°	456.1	440.4	428.0	419.9	416.7	412.4	412.4
47.5°	405.7	390.4	380.6	375.5	370.1	367.2	367.1
50°	371.8	359.9	351.1	348.0	343.6	341.8	341.1
52.5°	341.3	332.4	326.1	324.0	322.1	319.8	320.2
55°	299.9	294.9	292.4	290.5	287.4	283.6	286.2
57.5°	265.1	260.8	254.0	248.2	245.3	242.6	243.7
60°	240.5	231.8	223.1	216.1	214.3	208.6	208.6
62.5°	209.5	197.3	186.5	182.7	180.8	178.2	177.7
65°	161.2	156.2	153.7	151.2	149.9	149.9	148.7
67.5°	133.5	131.6	128.8	128.2	126.9	126.6	126.2
70°	118.1	115.6	114.3	113.7	112.4	113.1	111.2
72.5°	103.1	101.1	100.9	99.2	98.5	98.6	97.2
75°	81.2	81.2	80.6	80.0	78.8	78.1	78.8
77.5°	62.5	62.6	61.5	61.4	61.2	61.4	60.7
80°	50.0	50.6	50.0	49.3	48.8	49.3	48.8
82.5°	39.5	38.6	38.5	38.4	38.2	37.8	37.7
85°	22.5	23.2	22.5	21.9	21.9	21.9	22.5
87.5°	13.4	13.7	13.9	13.9	13.9	13.9	13.4
90°	24.4	26.0	26.8	26.8	26.8	26.8	26.8
92.5°	60.9	54.1	49.0	48.3	45.7	46.4	45.1
95°	163.5	129.4	111.5	100.9	94.4	92.0	92.8
97.5°	407.0	318.9	260.2	221.4	201.3	189.4	182.6
100°	642.0	530.5	432.1	364.5	329.5	306.0	291.3
102.5°	880.9	799.4	695.0	621.7	561.9	532.5	512.7
105°	1080.6	1091.2	1064.3	1013.8	963.4	928.4	917.0
107.5°	1065.9	1150.6	1189.9	1196.3	1193.5	1186.5	1171.4
110°	1020.3	1124.5	1191.2	1226.2	1241.7	1249.0	1248.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	966.4	1077.7	1154.1	1202.8	1228.7	1242.5	1246.9
115°	892.6	999.2	1083.0	1140.8	1178.2	1199.4	1206.7
117.5°	832.7	929.4	1008.0	1066.9	1106.4	1128.8	1134.9
120°	801.5	887.7	961.8	1018.7	1057.0	1080.6	1088.8
122.5°	775.4	857.1	924.1	975.1	1012.7	1033.7	1040.6
125°	741.3	812.9	873.9	921.1	952.0	972.3	978.8
127.5°	708.1	775.6	831.9	873.1	902.0	919.7	924.9
130°	685.9	750.2	804.0	843.8	871.5	887.7	894.2
132.5°	665.1	724.1	774.6	813.8	841.6	856.5	862.3
135°	632.3	685.9	731.5	766.5	793.4	808.0	811.2
137.5°	606.0	648.7	688.4	720.3	743.4	756.3	761.2
140°	589.1	626.6	662.3	688.4	709.6	721.8	726.6
142.5°	574.1	606.3	636.3	661.0	680.3	691.1	692.1
145°	555.0	580.2	603.7	623.3	637.2	645.2	647.7
147.5°	539.3	559.0	576.3	592.4	603.4	608.9	610.4
150°	528.9	546.0	560.6	572.8	582.6	587.5	588.3
152.5°	520.4	534.9	547.6	557.2	565.7	569.2	569.4
155°	507.0	519.1	528.1	537.0	542.7	546.0	544.4
157.5°	493.3	503.5	510.5	516.8	521.5	523.0	523.0
160°	484.1	493.1	498.8	504.5	508.6	509.4	509.4
162.5°	475.6	483.3	487.7	493.4	496.2	497.0	496.4
165°	463.0	468.7	472.0	475.2	478.4	478.4	477.6
167.5°	451.4	455.3	458.3	459.7	461.5	461.4	460.4
170°	444.3	447.5	449.1	450.0	452.4	451.6	450.0
172.5°	437.7	440.3	441.3	442.1	443.3	442.5	441.5
175°	430.5	431.3	432.1	432.1	432.9	432.1	430.5
177.5°	425.1	425.7	425.7	425.7	425.7	425.1	423.8
180°	423.1	423.1	423.1	423.1	423.1	423.1	423.1

(END OF REPORT)