

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: P331755-935

Luminaire Tested: **SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331755-935
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-C1005D925U935-4F0-1E-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: 6395.1 lumens
Efficiency: N/A
Efficacy: 95.7 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

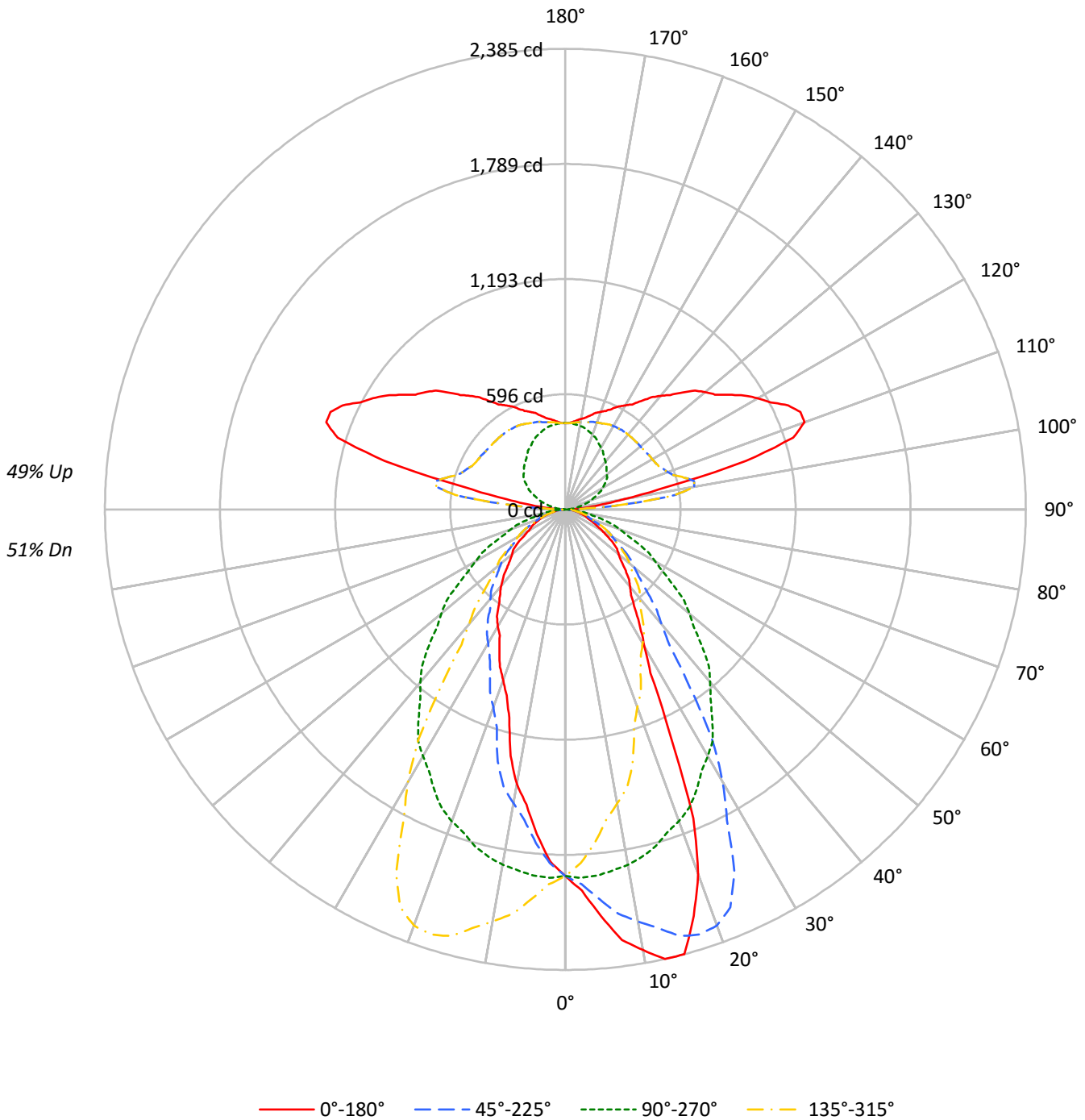
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

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°	30658	30658	30658	30658
5°	34240	30851	27353	30851
10°	37990	30634	23710	30634
15°	39858	30186	18683	30186
20°	34553	29520	16167	29520
25°	22661	28609	14434	28609
30°	15252	27505	13064	27505
35°	12354	26112	11783	26112
40°	10985	24601	10903	24601
45°	9944	22825	9732	22825
50°	9048	21064	9018	21064
55°	8507	19111	8397	19111
60°	7114	17321	7030	17321
65°	5998	15729	6804	15729
70°	5542	14049	6420	14049
75°	5190	12227	5926	12227
80°	4788	10060	5272	10060
85°	4409	7947	4650	7947



TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.0	2.8
10°-20°	501.6	7.8
20°-30°	646.3	10.1
30°-40°	614.2	9.6
40°-50°	526.2	8.2
50°-60°	400.7	6.3
60°-70°	253.3	4.0
70°-80°	126.5	2.0
80°-90°	36.9	0.6
90°-100°	178.7	2.8
100°-110°	606.3	9.5
110°-120°	644.1	10.1
120°-130°	530.2	8.3
130°-140°	425.8	6.7
140°-150°	321.8	5.0
150°-160°	226.1	3.5
160°-170°	133.1	2.1
170°-180°	43.3	0.7
0°-30°	1327.9	20.8
0°-40°	1942.1	30.4
0°-60°	2869.0	44.9
0°-90°	3285.7	51.4
90°-120°	1429.1	22.3
90°-150°	2706.8	42.3
90°-180°	3109.0	48.6
0°-180°	6395.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1899	1899	1899	1899	1899	
5°	2113	1904	1688	1904	2113	209
15°	2384	1806	1118	1806	2384	643
25°	1272	1606	810	1606	1272	604
35°	627	1325	598	1325	627	401
45°	436	1000	426	1000	436	337
55°	302	679	298	679	302	265
65°	157	412	178	412	157	160
75°	83	196	95	196	83	88
85°	24	43	25	43	24	26
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	



TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1975.9	1977.5	1979.1	1975.4	1975.4	1972.2	1965.4	1960.1	1945.3	1943.2	1943.2
5°	2112.6	2111.3	2113.9	2105.4	2093.5	2090.9	2078.4	2061.8	2044.7	2025.6	2021.6
7.5°	2248.6	2246.6	2241.3	2239.9	2230.8	2210.8	2190.6	2169.1	2140.6	2112.8	2098.8
10°	2317.2	2339.0	2325.7	2302.7	2307.3	2276.3	2259.8	2231.5	2207.7	2166.1	2156.9
12.5°	2384.7	2393.3	2389.1	2376.0	2370.1	2348.5	2326.2	2301.6	2257.8	2220.4	2188.0
15°	2384.5	2397.0	2400.3	2396.3	2399.7	2398.3	2386.4	2366.0	2327.7	2286.8	2251.2
17.5°	2208.5	2217.2	2238.8	2253.4	2271.9	2311.0	2330.2	2337.8	2332.1	2308.8	2283.6
20°	2011.0	1996.5	2057.2	2088.3	2114.6	2180.6	2237.3	2259.1	2294.0	2293.4	2286.8
22.5°	1731.3	1734.7	1792.3	1829.1	1906.2	1972.1	2036.8	2118.7	2186.4	2231.1	2257.3
25°	1272.0	1297.2	1354.5	1404.7	1490.5	1613.2	1724.7	1854.0	1976.1	2072.4	2164.1
27.5°	955.4	957.3	1002.7	1049.0	1100.0	1200.6	1340.9	1495.4	1669.4	1813.0	1978.1
30°	818.1	814.2	833.3	861.7	905.3	983.1	1088.6	1240.4	1413.9	1630.3	1823.0
32.5°	721.0	721.3	735.6	756.6	792.8	845.3	917.7	1040.9	1204.9	1417.6	1643.6
35°	626.8	626.1	636.7	651.9	667.0	700.7	750.2	814.9	927.6	1126.3	1357.2
37.5°	559.2	562.1	567.3	576.8	593.6	612.3	642.0	685.4	765.8	883.2	1077.3
40°	521.2	522.5	529.8	537.7	547.6	562.1	586.5	621.6	680.3	774.0	915.8
42.5°	486.4	487.8	492.8	500.2	508.1	522.5	542.8	573.0	620.6	693.7	810.7
45°	435.5	435.5	440.1	443.4	451.9	465.1	481.6	506.7	539.7	593.8	671.7
47.5°	387.7	387.8	390.9	396.6	401.9	412.2	428.4	448.9	472.9	514.8	581.3
50°	360.2	360.9	362.9	367.5	370.8	380.0	392.6	410.4	435.5	467.8	523.2
52.5°	338.1	337.7	340.2	342.2	344.4	351.0	360.4	376.1	398.5	426.6	472.5
55°	302.2	299.5	303.5	306.8	308.8	311.4	316.7	326.6	345.7	369.5	403.8
57.5°	257.4	256.2	259.1	262.1	268.3	275.4	279.9	286.2	296.1	313.1	347.2
60°	220.3	220.3	226.3	228.3	235.6	244.8	254.0	259.3	269.2	280.4	305.5
62.5°	187.6	188.2	191.0	193.0	197.0	208.4	221.3	232.9	242.3	253.0	269.6
65°	157.0	158.3	158.3	159.6	162.3	165.0	170.2	179.4	196.0	211.1	223.7
67.5°	133.3	133.7	134.1	135.3	136.0	139.0	141.0	145.2	149.0	163.3	178.9
70°	117.4	119.4	118.7	120.1	120.7	122.1	124.7	126.7	132.6	136.0	145.2
72.5°	102.6	104.1	104.0	104.8	106.5	106.8	108.8	110.8	114.7	117.4	122.4
75°	83.2	82.5	83.2	84.5	85.2	85.8	85.8	88.4	90.4	93.0	96.3
77.5°	64.1	64.8	64.7	64.8	64.9	66.1	66.0	67.2	69.1	70.4	72.1
80°	51.5	52.1	51.5	52.1	52.8	53.5	52.8	53.5	55.4	56.7	56.7
82.5°	39.9	40.0	40.4	40.6	40.6	40.8	41.7	41.8	43.3	43.0	43.6
85°	23.8	23.1	23.1	23.1	23.8	24.5	23.8	23.8	24.5	24.5	24.5
87.5°	14.1	14.6	14.6	14.6	14.6	14.5	14.1	15.0	14.6	15.3	14.6
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



TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

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



TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1944.3	1940.0	1936.4	1926.8	1922.1	1911.5	1910.0	1909.4	1895.7	1882.5	1878.8
5°	2011.0	2000.4	1984.7	1966.2	1947.1	1927.3	1914.1	1903.5	1877.1	1852.0	1837.5
7.5°	2078.4	2055.6	2028.3	1993.4	1964.2	1931.5	1907.2	1885.4	1848.0	1812.1	1787.9
10°	2128.5	2091.5	2055.2	2007.1	1969.5	1932.5	1898.2	1868.5	1826.3	1778.8	1745.2
12.5°	2159.6	2119.0	2069.0	2021.9	1973.2	1926.2	1880.3	1842.1	1792.5	1743.4	1703.5
15°	2201.7	2158.2	2097.5	2030.2	1967.5	1906.2	1853.4	1805.9	1741.2	1682.5	1633.7
17.5°	2236.2	2176.3	2111.1	2033.3	1960.7	1882.7	1814.7	1754.0	1682.0	1611.2	1553.7
20°	2247.2	2187.9	2112.6	2034.8	1949.0	1857.3	1784.1	1718.1	1640.9	1563.7	1497.7
22.5°	2240.4	2194.2	2110.6	2017.4	1929.5	1833.6	1750.8	1674.3	1588.6	1509.8	1433.3
25°	2193.8	2178.0	2098.8	1997.2	1896.9	1785.4	1689.7	1605.9	1508.3	1423.8	1340.7
27.5°	2085.2	2119.4	2070.3	1962.0	1850.5	1731.0	1623.5	1528.1	1426.8	1331.7	1248.9
30°	1980.7	2059.2	2038.1	1937.8	1813.1	1695.7	1574.9	1475.3	1367.1	1269.5	1187.7
32.5°	1837.6	1967.4	1988.0	1904.0	1775.1	1646.1	1519.5	1420.4	1307.4	1204.5	1124.8
35°	1609.9	1803.9	1892.9	1839.5	1710.2	1571.0	1440.3	1324.8	1211.3	1109.7	1030.6
37.5°	1338.2	1602.4	1750.8	1754.6	1635.9	1491.2	1348.8	1234.2	1118.1	1018.3	932.7
40°	1161.9	1448.2	1641.6	1684.5	1584.2	1427.8	1283.9	1167.2	1053.7	956.1	857.7
42.5°	1003.6	1288.8	1526.5	1601.0	1521.4	1366.1	1221.7	1099.6	989.3	896.9	796.5
45°	811.6	1060.9	1322.8	1456.1	1412.0	1268.1	1115.7	999.6	896.0	816.1	719.8
47.5°	684.6	860.4	1113.9	1294.1	1293.3	1162.0	1012.1	900.9	804.8	730.0	652.0
50°	612.3	765.3	979.8	1184.3	1201.4	1091.3	948.7	838.6	748.9	670.4	607.7
52.5°	547.3	673.5	866.3	1062.4	1111.2	1015.8	877.5	775.8	688.7	616.5	562.8
55°	462.5	560.2	706.6	890.0	964.0	896.6	774.0	678.9	608.3	547.6	501.4
57.5°	391.2	464.5	582.0	729.7	815.8	773.4	672.2	595.0	534.6	479.7	443.2
60°	346.4	406.4	506.1	629.5	724.4	694.7	608.3	536.4	484.9	437.5	403.1
62.5°	304.2	355.8	441.2	541.3	628.4	616.1	545.5	485.2	440.1	396.8	367.7
65°	244.8	282.4	349.0	427.6	497.5	503.4	452.6	411.7	371.4	337.2	311.4
67.5°	194.9	219.5	266.4	332.5	385.0	403.6	372.6	341.4	309.4	282.9	260.6
70°	164.3	184.1	218.3	271.8	320.0	339.8	322.0	297.6	269.8	248.1	228.9
72.5°	133.1	152.4	177.7	217.0	258.2	279.7	273.5	255.9	233.4	215.3	197.3
75°	100.3	106.2	123.4	149.8	182.1	200.6	205.2	196.0	178.1	164.3	153.7
77.5°	74.1	77.7	85.9	99.8	120.9	137.3	144.1	143.0	130.8	122.7	112.8
80°	59.4	61.4	65.3	71.3	87.1	103.6	108.2	108.2	99.6	96.3	86.4
82.5°	45.1	46.6	49.0	52.3	59.7	74.0	79.2	80.2	74.8	70.4	62.7
85°	25.7	25.1	26.4	28.4	29.7	33.7	41.6	42.9	41.6	36.2	34.3
87.5°	13.6	12.9	12.1	11.0	11.2	11.4	13.3	15.5	13.9	13.0	12.3
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: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

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: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1872.0	1868.3	1861.4	1850.8	1844.5	1833.4	1826.0	1830.2	1831.3	1830.2	1829.2
5°	1821.7	1807.8	1788.7	1770.2	1753.1	1734.6	1724.1	1719.4	1710.2	1704.9	1702.3
7.5°	1760.8	1737.0	1709.9	1677.7	1650.4	1621.8	1607.1	1599.8	1581.0	1570.7	1561.7
10°	1715.5	1677.8	1650.8	1608.6	1582.9	1545.2	1519.5	1520.2	1494.4	1479.9	1469.4
12.5°	1665.3	1624.0	1579.0	1541.0	1505.3	1475.1	1444.0	1431.5	1404.2	1390.2	1361.7
15°	1582.2	1534.0	1486.5	1435.0	1398.8	1351.9	1307.1	1252.3	1208.1	1169.8	1159.3
17.5°	1491.4	1431.8	1384.1	1323.7	1261.5	1182.8	1130.8	1099.0	1072.3	1052.1	1037.1
20°	1429.1	1368.4	1317.6	1226.6	1142.7	1089.3	1051.0	1026.7	998.9	977.1	965.3
22.5°	1363.7	1300.3	1231.1	1129.5	1064.1	1021.2	987.1	959.1	940.3	923.3	912.5
25°	1270.7	1201.4	1087.4	1017.4	964.6	919.7	896.0	878.8	859.0	835.9	825.4
27.5°	1172.6	1062.4	980.4	928.4	878.0	848.9	827.5	801.9	784.2	773.8	762.8
30°	1099.2	989.0	925.1	868.3	832.7	800.3	775.2	760.8	743.6	725.7	718.5
32.5°	1017.4	929.4	868.1	820.8	784.6	757.1	737.3	713.8	701.4	690.4	675.2
35°	915.8	849.1	793.1	754.8	720.5	698.1	674.9	661.1	638.7	629.5	623.5
37.5°	829.7	772.0	730.1	689.7	662.5	637.7	623.6	601.6	591.9	579.0	566.5
40°	781.2	724.4	684.2	651.2	620.9	602.4	584.5	566.8	552.2	546.3	531.2
42.5°	731.6	685.4	645.1	609.0	588.7	569.1	546.6	533.5	518.5	508.9	499.5
45°	663.1	622.2	587.9	558.2	535.7	515.3	500.8	479.0	470.5	451.3	443.4
47.5°	603.0	564.9	532.2	503.9	482.1	468.7	447.5	430.4	416.7	405.0	394.9
50°	560.2	528.5	496.8	471.7	451.9	432.8	411.0	402.4	381.3	375.4	369.5
52.5°	521.1	491.0	462.0	437.5	417.7	399.1	379.9	368.7	354.5	348.5	344.1
55°	466.5	437.5	409.7	388.0	368.2	349.0	337.2	323.3	316.7	312.1	306.8
57.5°	411.6	385.5	364.2	342.2	322.3	307.0	293.3	285.0	278.2	272.1	265.8
60°	376.8	351.6	332.5	312.1	291.6	279.1	268.5	258.6	250.7	241.5	238.8
62.5°	339.8	317.9	300.3	280.4	262.6	251.2	241.1	231.7	222.2	208.8	205.1
65°	289.0	271.8	253.4	236.9	221.0	209.8	195.3	184.8	180.8	179.4	178.8
67.5°	243.1	226.9	211.0	194.1	179.7	169.3	162.0	160.3	157.6	156.8	154.9
70°	212.5	197.3	181.4	165.6	151.8	149.8	147.1	144.5	141.2	139.9	138.5
72.5°	185.0	169.3	153.4	140.8	134.8	132.3	129.8	127.1	124.8	123.6	122.7
75°	141.9	127.3	116.8	112.2	108.8	106.9	102.9	100.9	99.6	97.6	96.9
77.5°	102.1	93.9	89.1	86.2	82.7	80.6	78.4	76.4	75.0	74.6	73.5
80°	77.8	73.9	70.6	66.6	65.3	62.7	62.0	60.0	60.7	58.7	58.7
82.5°	60.4	55.4	52.7	50.8	49.5	47.4	46.8	45.8	45.9	44.4	44.4
85°	31.0	29.7	28.4	27.0	27.0	25.1	25.7	25.1	25.1	23.8	23.1
87.5°	12.1	12.1	11.9	13.1	14.1	13.8	13.6	12.9	12.6	12.9	12.6
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: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

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: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1823.4	1824.5	1822.9	1823.9	1822.9	1824.5	1823.4	1829.2	1830.2	1831.3	1830.2
5°	1698.9	1691.0	1689.7	1687.7	1689.7	1691.0	1698.9	1702.3	1704.9	1710.2	1719.4
7.5°	1550.4	1549.2	1545.9	1541.3	1545.9	1549.2	1550.4	1561.7	1570.7	1581.0	1599.8
10°	1454.8	1451.6	1450.9	1446.2	1450.9	1451.6	1454.8	1469.4	1479.9	1494.4	1520.2
12.5°	1342.9	1321.7	1319.5	1307.9	1319.5	1321.7	1342.9	1361.7	1390.2	1404.2	1431.5
15°	1143.4	1139.4	1126.3	1117.7	1126.3	1139.4	1143.4	1159.3	1169.8	1208.1	1252.3
17.5°	1029.4	1016.5	1012.4	1010.6	1012.4	1016.5	1029.4	1037.1	1052.1	1072.3	1099.0
20°	956.1	944.2	942.2	940.9	942.2	944.2	956.1	965.3	977.1	998.9	1026.7
22.5°	905.3	892.9	887.8	883.8	887.8	892.9	905.3	912.5	923.3	940.3	959.1
25°	818.8	814.2	811.6	810.2	811.6	814.2	818.8	825.4	835.9	859.0	878.8
27.5°	751.1	741.0	739.0	735.6	739.0	741.0	751.1	762.8	773.8	784.2	801.9
30°	712.6	709.3	704.6	700.7	704.6	709.3	712.6	718.5	725.7	743.6	760.8
32.5°	667.2	664.4	660.3	658.5	660.3	664.4	667.2	675.2	690.4	701.4	713.8
35°	616.9	607.7	603.7	597.8	603.7	607.7	616.9	623.5	629.5	638.7	661.1
37.5°	563.7	558.9	553.3	555.3	553.3	558.9	563.7	566.5	579.0	591.9	601.6
40°	522.5	519.3	518.0	517.3	518.0	519.3	522.5	531.2	546.3	552.2	566.8
42.5°	489.8	480.7	477.3	477.2	477.3	480.7	489.8	499.5	508.9	518.5	533.5
45°	440.1	431.5	425.6	426.2	425.6	431.5	440.1	443.4	451.3	470.5	479.0
47.5°	389.2	388.9	385.2	386.3	385.2	388.9	389.2	394.9	405.0	416.7	430.4
50°	364.9	360.9	358.3	359.0	358.3	360.9	364.9	369.5	375.4	381.3	402.4
52.5°	341.6	338.2	336.1	338.9	336.1	338.2	341.6	344.1	348.5	354.5	368.7
55°	303.5	299.5	298.9	298.3	298.9	299.5	303.5	306.8	312.1	316.7	323.3
57.5°	260.9	258.2	254.3	252.5	254.3	258.2	260.9	265.8	272.1	278.2	285.0
60°	230.2	225.0	218.3	217.7	218.3	225.0	230.2	238.8	241.5	250.7	258.6
62.5°	202.2	201.2	199.9	199.8	199.9	201.2	202.2	205.1	208.8	222.2	231.7
65°	177.5	176.8	177.5	178.1	177.5	176.8	177.5	178.8	179.4	180.8	184.8
67.5°	154.6	153.4	152.3	152.8	152.3	153.4	154.6	154.9	156.8	157.6	160.3
70°	137.2	136.6	136.0	136.0	136.0	136.6	137.2	138.5	139.9	141.2	144.5
72.5°	120.4	120.2	119.6	119.0	119.6	120.2	120.4	122.7	123.6	124.8	127.1
75°	96.3	95.0	95.0	95.0	95.0	95.0	96.3	96.9	97.6	99.6	100.9
77.5°	73.4	72.7	72.1	71.5	72.1	72.7	73.4	73.5	74.6	75.0	76.4
80°	58.0	57.4	56.7	56.7	56.7	57.4	58.0	58.7	58.7	60.7	60.0
82.5°	44.3	43.7	43.6	43.0	43.6	43.7	44.3	44.4	44.4	45.9	45.8
85°	23.8	24.5	23.8	25.1	23.8	24.5	23.8	23.1	23.8	25.1	25.1
87.5°	12.6	12.0	12.6	12.0	12.6	12.0	12.6	12.6	12.9	12.6	12.9
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: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-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	505.2	501.8	498.4	495.0	489.0	482.9
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: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1826.0	1833.4	1844.5	1850.8	1861.4	1868.3	1872.0	1878.8	1882.5	1895.7	1909.4
5°	1724.1	1734.6	1753.1	1770.2	1788.7	1807.8	1821.7	1837.5	1852.0	1877.1	1903.5
7.5°	1607.1	1621.8	1650.4	1677.7	1709.9	1737.0	1760.8	1787.9	1812.1	1848.0	1885.4
10°	1519.5	1545.2	1582.9	1608.6	1650.8	1677.8	1715.5	1745.2	1778.8	1826.3	1868.5
12.5°	1444.0	1475.1	1505.3	1541.0	1579.0	1624.0	1665.3	1703.5	1743.4	1792.5	1842.1
15°	1307.1	1351.9	1398.8	1435.0	1486.5	1534.0	1582.2	1633.7	1682.5	1741.2	1805.9
17.5°	1130.8	1182.8	1261.5	1323.7	1384.1	1431.8	1491.4	1553.7	1611.2	1682.0	1754.0
20°	1051.0	1089.3	1142.7	1226.6	1317.6	1368.4	1429.1	1497.7	1563.7	1640.9	1718.1
22.5°	987.1	1021.2	1064.1	1129.5	1231.1	1300.3	1363.7	1433.3	1509.8	1588.6	1674.3
25°	896.0	919.7	964.6	1017.4	1087.4	1201.4	1270.7	1340.7	1423.8	1508.3	1605.9
27.5°	827.5	848.9	878.0	928.4	980.4	1062.4	1172.6	1248.9	1331.7	1426.8	1528.1
30°	775.2	800.3	832.7	868.3	925.1	989.0	1099.2	1187.7	1269.5	1367.1	1475.3
32.5°	737.3	757.1	784.6	820.8	868.1	929.4	1017.4	1124.8	1204.5	1307.4	1420.4
35°	674.9	698.1	720.5	754.8	793.1	849.1	915.8	1030.6	1109.7	1211.3	1324.8
37.5°	623.6	637.7	662.5	689.7	730.1	772.0	829.7	932.7	1018.3	1118.1	1234.2
40°	584.5	602.4	620.9	651.2	684.2	724.4	781.2	857.7	956.1	1053.7	1167.2
42.5°	546.6	569.1	588.7	609.0	645.1	685.4	731.6	796.5	896.9	989.3	1099.6
45°	500.8	515.3	535.7	558.2	587.9	622.2	663.1	719.8	816.1	896.0	999.6
47.5°	447.5	468.7	482.1	503.9	532.2	564.9	603.0	652.0	730.0	804.8	900.9
50°	411.0	432.8	451.9	471.7	496.8	528.5	560.2	607.7	670.4	748.9	838.6
52.5°	379.9	399.1	417.7	437.5	462.0	491.0	521.1	562.8	616.5	688.7	775.8
55°	337.2	349.0	368.2	388.0	409.7	437.5	466.5	501.4	547.6	608.3	678.9
57.5°	293.3	307.0	322.3	342.2	364.2	385.5	411.6	443.2	479.7	534.6	595.0
60°	268.5	279.1	291.6	312.1	332.5	351.6	376.8	403.1	437.5	484.9	536.4
62.5°	241.1	251.2	262.6	280.4	300.3	317.9	339.8	367.7	396.8	440.1	485.2
65°	195.3	209.8	221.0	236.9	253.4	271.8	289.0	311.4	337.2	371.4	411.7
67.5°	162.0	169.3	179.7	194.1	211.0	226.9	243.1	260.6	282.9	309.4	341.4
70°	147.1	149.8	151.8	165.6	181.4	197.3	212.5	228.9	248.1	269.8	297.6
72.5°	129.8	132.3	134.8	140.8	153.4	169.3	185.0	197.3	215.3	233.4	255.9
75°	102.9	106.9	108.8	112.2	116.8	127.3	141.9	153.7	164.3	178.1	196.0
77.5°	78.4	80.6	82.7	86.2	89.1	93.9	102.1	112.8	122.7	130.8	143.0
80°	62.0	62.7	65.3	66.6	70.6	73.9	77.8	86.4	96.3	99.6	108.2
82.5°	46.8	47.4	49.5	50.8	52.7	55.4	60.4	62.7	70.4	74.8	80.2
85°	25.7	25.1	27.0	27.0	28.4	29.7	31.0	34.3	36.2	41.6	42.9
87.5°	13.6	13.8	14.1	13.1	11.9	12.1	12.1	12.3	13.0	13.9	15.5
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: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-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: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1910.0	1911.5	1922.1	1926.8	1936.4	1940.0	1944.3	1943.2	1943.2	1945.3	1960.1
5°	1914.1	1927.3	1947.1	1966.2	1984.7	2000.4	2011.0	2021.6	2025.6	2044.7	2061.8
7.5°	1907.2	1931.5	1964.2	1993.4	2028.3	2055.6	2078.4	2098.8	2112.8	2140.6	2169.1
10°	1898.2	1932.5	1969.5	2007.1	2055.2	2091.5	2128.5	2156.9	2166.1	2207.7	2231.5
12.5°	1880.3	1926.2	1973.2	2021.9	2069.0	2119.0	2159.6	2188.0	2220.4	2257.8	2301.6
15°	1853.4	1906.2	1967.5	2030.2	2097.5	2158.2	2201.7	2251.2	2286.8	2327.7	2366.0
17.5°	1814.7	1882.7	1960.7	2033.3	2111.1	2176.3	2236.2	2283.6	2308.8	2332.1	2337.8
20°	1784.1	1857.3	1949.0	2034.8	2112.6	2187.9	2247.2	2286.8	2293.4	2294.0	2259.1
22.5°	1750.8	1833.6	1929.5	2017.4	2110.6	2194.2	2240.4	2257.3	2231.1	2186.4	2118.7
25°	1689.7	1785.4	1896.9	1997.2	2098.8	2178.0	2193.8	2164.1	2072.4	1976.1	1854.0
27.5°	1623.5	1731.0	1850.5	1962.0	2070.3	2119.4	2085.2	1978.1	1813.0	1669.4	1495.4
30°	1574.9	1695.7	1813.1	1937.8	2038.1	2059.2	1980.7	1823.0	1630.3	1413.9	1240.4
32.5°	1519.5	1646.1	1775.1	1904.0	1988.0	1967.4	1837.6	1643.6	1417.6	1204.9	1040.9
35°	1440.3	1571.0	1710.2	1839.5	1892.9	1803.9	1609.9	1357.2	1126.3	927.6	814.9
37.5°	1348.8	1491.2	1635.9	1754.6	1750.8	1602.4	1338.2	1077.3	883.2	765.8	685.4
40°	1283.9	1427.8	1584.2	1684.5	1641.6	1448.2	1161.9	915.8	774.0	680.3	621.6
42.5°	1221.7	1366.1	1521.4	1601.0	1526.5	1288.8	1003.6	810.7	693.7	620.6	573.0
45°	1115.7	1268.1	1412.0	1456.1	1322.8	1060.9	811.6	671.7	593.8	539.7	506.7
47.5°	1012.1	1162.0	1293.3	1294.1	1113.9	860.4	684.6	581.3	514.8	472.9	448.9
50°	948.7	1091.3	1201.4	1184.3	979.8	765.3	612.3	523.2	467.8	435.5	410.4
52.5°	877.5	1015.8	1111.2	1062.4	866.3	673.5	547.3	472.5	426.6	398.5	376.1
55°	774.0	896.6	964.0	890.0	706.6	560.2	462.5	403.8	369.5	345.7	326.6
57.5°	672.2	773.4	815.8	729.7	582.0	464.5	391.2	347.2	313.1	296.1	286.2
60°	608.3	694.7	724.4	629.5	506.1	406.4	346.4	305.5	280.4	269.2	259.3
62.5°	545.5	616.1	628.4	541.3	441.2	355.8	304.2	269.6	253.0	242.3	232.9
65°	452.6	503.4	497.5	427.6	349.0	282.4	244.8	223.7	211.1	196.0	179.4
67.5°	372.6	403.6	385.0	332.5	266.4	219.5	194.9	178.9	163.3	149.0	145.2
70°	322.0	339.8	320.0	271.8	218.3	184.1	164.3	145.2	136.0	132.6	126.7
72.5°	273.5	279.7	258.2	217.0	177.7	152.4	133.1	122.4	117.4	114.7	110.8
75°	205.2	200.6	182.1	149.8	123.4	106.2	100.3	96.3	93.0	90.4	88.4
77.5°	144.1	137.3	120.9	99.8	85.9	77.7	74.1	72.1	70.4	69.1	67.2
80°	108.2	103.6	87.1	71.3	65.3	61.4	59.4	56.7	56.7	55.4	53.5
82.5°	79.2	74.0	59.7	52.3	49.0	46.6	45.1	43.6	43.0	43.3	41.8
85°	41.6	33.7	29.7	28.4	26.4	25.1	25.7	24.5	24.5	24.5	23.8
87.5°	13.3	11.4	11.2	11.0	12.1	12.9	13.6	14.6	15.3	14.6	15.0
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



TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

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



TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1965.4	1972.2	1975.4	1975.4	1979.1	1977.5	1975.9
5°	2078.4	2090.9	2093.5	2105.4	2113.9	2111.3	2112.6
7.5°	2190.6	2210.8	2230.8	2239.9	2241.3	2246.6	2248.6
10°	2259.8	2276.3	2307.3	2302.7	2325.7	2339.0	2317.2
12.5°	2326.2	2348.5	2370.1	2376.0	2389.1	2393.3	2384.7
15°	2386.4	2398.3	2399.7	2396.3	2400.3	2397.0	2384.5
17.5°	2330.2	2311.0	2271.9	2253.4	2238.8	2217.2	2208.5
20°	2237.3	2180.6	2114.6	2088.3	2057.2	1996.5	2011.0
22.5°	2036.8	1972.1	1906.2	1829.1	1792.3	1734.7	1731.3
25°	1724.7	1613.2	1490.5	1404.7	1354.5	1297.2	1272.0
27.5°	1340.9	1200.6	1100.0	1049.0	1002.7	957.3	955.4
30°	1088.6	983.1	905.3	861.7	833.3	814.2	818.1
32.5°	917.7	845.3	792.8	756.6	735.6	721.3	721.0
35°	750.2	700.7	667.0	651.9	636.7	626.1	626.8
37.5°	642.0	612.3	593.6	576.8	567.3	562.1	559.2
40°	586.5	562.1	547.6	537.7	529.8	522.5	521.2
42.5°	542.8	522.5	508.1	500.2	492.8	487.8	486.4
45°	481.6	465.1	451.9	443.4	440.1	435.5	435.5
47.5°	428.4	412.2	401.9	396.6	390.9	387.8	387.7
50°	392.6	380.0	370.8	367.5	362.9	360.9	360.2
52.5°	360.4	351.0	344.4	342.2	340.2	337.7	338.1
55°	316.7	311.4	308.8	306.8	303.5	299.5	302.2
57.5°	279.9	275.4	268.3	262.1	259.1	256.2	257.4
60°	254.0	244.8	235.6	228.3	226.3	220.3	220.3
62.5°	221.3	208.4	197.0	193.0	191.0	188.2	187.6
65°	170.2	165.0	162.3	159.6	158.3	158.3	157.0
67.5°	141.0	139.0	136.0	135.3	134.1	133.7	133.3
70°	124.7	122.1	120.7	120.1	118.7	119.4	117.4
72.5°	108.8	106.8	106.5	104.8	104.0	104.1	102.6
75°	85.8	85.8	85.2	84.5	83.2	82.5	83.2
77.5°	66.0	66.1	64.9	64.8	64.7	64.8	64.1
80°	52.8	53.5	52.8	52.1	51.5	52.1	51.5
82.5°	41.7	40.8	40.6	40.6	40.4	40.0	39.9
85°	23.8	24.5	23.8	23.1	23.1	23.1	23.8
87.5°	14.1	14.5	14.6	14.6	14.6	14.6	14.1
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



TEST NUMBER: P331755-935

CATALOG NUMBER: SA2XXRDIP-C1005D925U935-4F0-1E-UDD-A4

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)