

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: P331755-927

Luminaire Tested: **SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

Test Information

Test Method: LM-79-08
Report Number: P331755-927
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: SA2XXRDIP-C1005D925U927-4F0-1E-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: 5884.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: General Diffuse

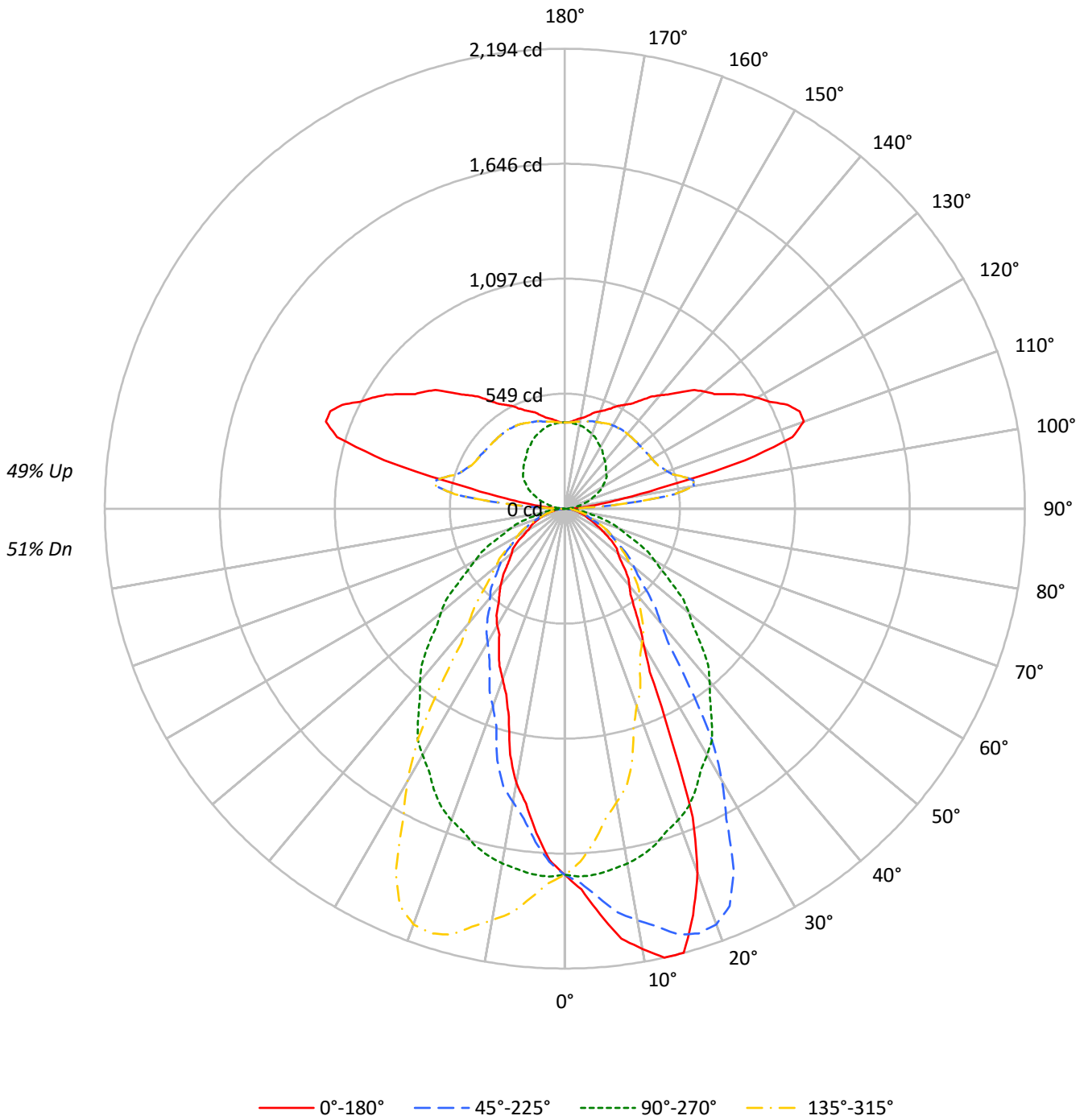
Input Watts (W): 66.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

Luminous Intensity Polar Plot





TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-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°	28208	28208	28208	28208
5°	31504	28386	25167	28386
10°	34954	28186	21815	28186
15°	36672	27773	17188	27773
20°	31792	27161	14874	27161
25°	20851	26323	13279	26323
30°	14033	25307	12020	25307
35°	11367	24025	10841	24025
40°	10108	22634	10030	22634
45°	9149	21000	8953	21000
50°	8324	19381	8297	19381
55°	7828	17582	7724	17582
60°	6546	15936	6468	15936
65°	5521	14472	6262	14472
70°	5103	12925	5906	12925
75°	4772	11248	5452	11248
80°	4407	9261	4854	9261
85°	4057	7317	4279	7317



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	2.8
10°-20°	461.5	7.8
20°-30°	594.7	10.1
30°-40°	565.1	9.6
40°-50°	484.1	8.2
50°-60°	368.7	6.3
60°-70°	233.1	4.0
70°-80°	116.4	2.0
80°-90°	34.0	0.6
90°-100°	164.4	2.8
100°-110°	557.8	9.5
110°-120°	592.6	10.1
120°-130°	487.8	8.3
130°-140°	391.8	6.7
140°-150°	296.0	5.0
150°-160°	208.1	3.5
160°-170°	122.5	2.1
170°-180°	39.9	0.7
0°-30°	1221.8	20.8
0°-40°	1786.9	30.4
0°-60°	2639.7	44.9
0°-90°	3023.1	51.4
90°-120°	1314.8	22.3
90°-150°	2490.5	42.3
90°-180°	2861.0	48.6
0°-180°	5884.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1747	1747	1747	1747	1747	
5°	1944	1751	1553	1751	1944	192
15°	2194	1662	1028	1662	2194	592
25°	1170	1478	745	1478	1170	555
35°	577	1219	550	1219	577	369
45°	401	920	392	920	401	310
55°	278	625	274	625	278	244
65°	144	379	164	379	144	147
75°	76	180	87	180	76	81
85°	22	40	23	40	22	24
90°	26	1	26	1	26	15
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	



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1818.0	1819.5	1820.9	1817.5	1817.5	1814.6	1808.3	1803.4	1789.9	1787.9	1787.9
5°	1943.8	1942.6	1945.0	1937.1	1926.2	1923.7	1912.2	1897.0	1881.3	1863.7	1860.0
7.5°	2068.9	2067.0	2062.1	2060.9	2052.5	2034.1	2015.5	1995.7	1969.5	1943.9	1931.0
10°	2132.0	2152.0	2139.8	2118.6	2122.9	2094.4	2079.2	2053.1	2031.2	1993.0	1984.5
12.5°	2194.1	2202.0	2198.1	2186.1	2180.6	2160.8	2140.3	2117.7	2077.3	2043.0	2013.1
15°	2193.9	2205.4	2208.4	2204.8	2207.9	2206.6	2195.7	2176.9	2141.7	2104.0	2071.2
17.5°	2031.9	2039.9	2059.8	2073.3	2090.3	2126.3	2144.0	2150.9	2145.7	2124.2	2101.1
20°	1850.3	1836.9	1892.8	1921.4	1945.6	2006.3	2058.5	2078.5	2110.7	2110.1	2104.0
22.5°	1592.9	1596.1	1649.0	1682.9	1753.8	1814.5	1874.0	1949.4	2011.7	2052.8	2076.9
25°	1170.4	1193.5	1246.3	1292.4	1371.3	1484.2	1586.8	1705.8	1818.1	1906.8	1991.2
27.5°	879.0	880.7	922.6	965.2	1012.1	1104.6	1233.7	1375.9	1536.0	1668.1	1820.0
30°	752.7	749.1	766.7	792.8	832.9	904.5	1001.6	1141.3	1300.9	1500.0	1677.3
32.5°	663.4	663.6	676.8	696.2	729.4	777.8	844.3	957.7	1108.6	1304.3	1512.2
35°	576.7	576.1	585.8	599.8	613.7	644.7	690.2	749.7	853.5	1036.3	1248.7
37.5°	514.5	517.2	522.0	530.7	546.1	563.3	590.7	630.6	704.6	812.6	991.2
40°	479.6	480.8	487.4	494.7	503.8	517.2	539.6	571.9	625.9	712.1	842.6
42.5°	447.5	448.8	453.4	460.3	467.5	480.8	499.4	527.2	571.0	638.3	745.9
45°	400.7	400.7	404.9	408.0	415.8	427.9	443.1	466.2	496.5	546.4	618.0
47.5°	356.7	356.8	359.7	364.9	369.8	379.3	394.2	413.0	435.1	473.6	534.8
50°	331.4	332.1	333.9	338.1	341.2	349.7	361.2	377.6	400.7	430.4	481.4
52.5°	311.1	310.7	313.0	314.8	316.9	323.0	331.6	346.0	366.6	392.5	434.7
55°	278.1	275.6	279.2	282.3	284.1	286.5	291.4	300.5	318.1	339.9	371.5
57.5°	236.8	235.8	238.4	241.1	246.8	253.4	257.5	263.3	272.4	288.1	319.4
60°	202.7	202.7	208.2	210.0	216.7	225.2	233.7	238.6	247.7	258.0	281.1
62.5°	172.6	173.2	175.7	177.5	181.3	191.7	203.6	214.3	222.9	232.7	248.0
65°	144.5	145.7	145.7	146.9	149.3	151.8	156.6	165.1	180.3	194.2	205.8
67.5°	122.6	123.0	123.3	124.5	125.2	127.9	129.8	133.6	137.0	150.3	164.6
70°	108.1	109.9	109.2	110.5	111.1	112.3	114.7	116.5	122.0	125.1	133.6
72.5°	94.4	95.8	95.7	96.4	98.0	98.2	100.1	102.0	105.5	108.1	112.6
75°	76.5	75.9	76.5	77.7	78.3	78.9	78.9	81.4	83.2	85.6	88.6
77.5°	59.0	59.7	59.5	59.7	59.7	60.8	60.7	61.8	63.6	64.8	66.3
80°	47.4	47.9	47.4	47.9	48.6	49.2	48.6	49.2	51.0	52.2	52.2
82.5°	36.7	36.8	37.2	37.3	37.4	37.5	38.3	38.5	39.8	39.6	40.1
85°	21.9	21.2	21.2	21.2	21.9	22.5	21.9	21.9	22.5	22.5	22.5
87.5°	13.0	13.5	13.5	13.5	13.5	13.3	13.0	13.8	13.5	14.1	13.5
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



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

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



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1788.9	1784.9	1781.6	1772.8	1768.5	1758.7	1757.3	1756.8	1744.2	1732.0	1728.6
5°	1850.3	1840.6	1826.1	1809.0	1791.4	1773.2	1761.1	1751.4	1727.0	1704.0	1690.7
7.5°	1912.2	1891.3	1866.2	1834.1	1807.2	1777.1	1754.8	1734.7	1700.3	1667.2	1645.0
10°	1958.4	1924.4	1890.9	1846.7	1812.0	1778.1	1746.5	1719.2	1680.3	1636.6	1605.7
12.5°	1987.0	1949.6	1903.6	1860.3	1815.4	1772.3	1730.0	1694.9	1649.2	1604.1	1567.3
15°	2025.8	1985.7	1929.8	1867.9	1810.2	1753.8	1705.3	1661.5	1602.0	1548.0	1503.1
17.5°	2057.5	2002.3	1942.4	1870.7	1804.0	1732.2	1669.7	1613.8	1547.6	1482.4	1429.5
20°	2067.6	2013.0	1943.8	1872.2	1793.3	1708.9	1641.5	1580.8	1509.7	1438.7	1378.0
22.5°	2061.3	2018.8	1941.9	1856.2	1775.3	1687.0	1610.9	1540.5	1461.7	1389.2	1318.7
25°	2018.5	2003.9	1931.0	1837.5	1745.3	1642.7	1554.7	1477.6	1387.7	1310.0	1233.5
27.5°	1918.5	1950.0	1904.8	1805.2	1702.6	1592.7	1493.7	1406.0	1312.7	1225.3	1149.1
30°	1822.4	1894.6	1875.2	1782.9	1668.2	1560.1	1449.1	1357.4	1257.8	1168.0	1092.7
32.5°	1690.8	1810.1	1829.1	1751.8	1633.2	1514.5	1398.0	1306.9	1202.9	1108.3	1034.9
35°	1481.2	1659.7	1741.6	1692.5	1573.5	1445.4	1325.2	1218.9	1114.5	1021.0	948.2
37.5°	1231.2	1474.3	1610.9	1614.4	1505.1	1372.0	1241.0	1135.6	1028.7	936.9	858.2
40°	1069.1	1332.5	1510.4	1549.8	1457.5	1313.7	1181.3	1073.9	969.5	879.6	789.2
42.5°	923.4	1185.8	1404.5	1473.1	1399.8	1256.9	1124.0	1011.7	910.2	825.2	732.8
45°	746.7	976.1	1217.1	1339.7	1299.1	1166.7	1026.5	919.7	824.3	750.9	662.3
47.5°	629.9	791.6	1024.8	1190.6	1189.9	1069.1	931.2	828.9	740.5	671.6	599.9
50°	563.3	704.2	901.5	1089.6	1105.4	1004.1	872.9	771.6	689.0	616.8	559.1
52.5°	503.6	619.6	797.1	977.5	1022.4	934.6	807.4	713.8	633.7	567.2	517.8
55°	425.6	515.4	650.1	818.9	886.9	825.0	712.1	624.6	559.7	503.8	461.4
57.5°	360.0	427.4	535.5	671.4	750.6	711.6	618.5	547.5	491.9	441.3	407.8
60°	318.7	373.9	465.6	579.2	666.5	639.2	559.7	493.5	446.2	402.5	370.9
62.5°	279.9	327.3	405.9	498.0	578.1	566.9	501.9	446.4	404.9	365.1	338.3
65°	225.2	259.8	321.2	393.4	457.7	463.2	416.5	378.8	341.7	310.2	286.5
67.5°	179.4	201.9	245.1	305.9	354.2	371.4	342.9	314.1	284.7	260.3	239.8
70°	151.1	169.4	200.9	250.1	294.5	312.6	296.3	273.8	248.3	228.2	210.6
72.5°	122.5	140.2	163.5	199.6	237.6	257.3	251.6	235.4	214.8	198.1	181.5
75°	92.3	97.8	113.5	137.8	167.5	184.6	188.8	180.3	163.9	151.1	141.4
77.5°	68.2	71.5	79.1	91.8	111.2	126.4	132.6	131.6	120.3	112.9	103.8
80°	54.7	56.5	60.1	65.6	80.2	95.3	99.6	99.6	91.7	88.6	79.5
82.5°	41.5	42.9	45.1	48.1	54.9	68.1	72.9	73.8	68.8	64.8	57.7
85°	23.7	23.1	24.3	26.1	27.3	31.0	38.3	39.5	38.3	33.4	31.5
87.5°	12.5	11.9	11.1	10.1	10.3	10.5	12.3	14.3	12.8	12.0	11.3
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



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-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: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1722.4	1719.0	1712.6	1702.9	1697.1	1686.9	1680.1	1683.9	1685.0	1683.9	1683.0
5°	1676.1	1663.3	1645.8	1628.7	1613.0	1595.9	1586.3	1582.0	1573.5	1568.6	1566.2
7.5°	1620.1	1598.1	1573.3	1543.6	1518.5	1492.2	1478.7	1472.0	1454.6	1445.2	1436.9
10°	1578.3	1543.7	1518.9	1480.0	1456.3	1421.7	1398.0	1398.7	1375.0	1361.6	1351.9
12.5°	1532.2	1494.2	1452.8	1417.8	1385.0	1357.2	1328.6	1317.1	1292.0	1279.1	1252.8
15°	1455.7	1411.4	1367.7	1320.3	1287.0	1243.9	1202.6	1152.2	1111.5	1076.3	1066.6
17.5°	1372.2	1317.3	1273.5	1217.9	1160.7	1088.2	1040.4	1011.1	986.6	968.0	954.2
20°	1314.9	1259.0	1212.3	1128.5	1051.4	1002.3	967.0	944.6	919.1	899.0	888.1
22.5°	1254.7	1196.4	1132.7	1039.2	979.1	939.6	908.2	882.4	865.1	849.5	839.6
25°	1169.2	1105.4	1000.4	936.0	887.5	846.2	824.3	808.6	790.4	769.1	759.5
27.5°	1078.9	977.5	902.1	854.2	807.9	781.0	761.4	737.8	721.5	711.9	701.9
30°	1011.4	910.0	851.1	798.9	766.1	736.3	713.3	700.0	684.1	667.7	661.1
32.5°	936.0	855.1	798.7	755.2	721.9	696.6	678.3	656.7	645.3	635.3	621.2
35°	842.6	781.3	729.7	694.5	662.9	642.3	621.0	608.2	587.6	579.2	573.7
37.5°	763.4	710.3	671.8	634.6	609.6	586.8	573.8	553.5	544.5	532.7	521.3
40°	718.7	666.5	629.5	599.1	571.2	554.2	537.8	521.5	508.1	502.6	488.7
42.5°	673.1	630.6	593.6	560.3	541.6	523.6	502.9	490.8	477.1	468.2	459.5
45°	610.1	572.4	540.9	513.6	492.9	474.1	460.7	440.7	432.8	415.3	408.0
47.5°	554.8	519.8	489.6	463.7	443.5	431.3	411.7	396.0	383.4	372.6	363.3
50°	515.4	486.2	457.1	434.0	415.8	398.2	378.2	370.3	350.9	345.4	339.9
52.5°	479.4	451.8	425.1	402.5	384.3	367.2	349.5	339.2	326.1	320.7	316.6
55°	429.2	402.5	377.0	357.0	338.7	321.2	310.2	297.5	291.4	287.2	282.3
57.5°	378.7	354.7	335.1	314.8	296.5	282.5	269.9	262.2	256.0	250.3	244.5
60°	346.7	323.5	305.9	287.2	268.3	256.7	247.1	238.0	230.7	222.2	219.8
62.5°	312.6	292.5	276.3	258.0	241.6	231.1	221.8	213.2	204.5	192.1	188.7
65°	265.9	250.1	233.1	217.9	203.4	193.1	179.7	170.0	166.4	165.1	164.5
67.5°	223.6	208.7	194.2	178.6	165.3	155.7	149.0	147.5	145.0	144.3	142.5
70°	195.5	181.5	166.9	152.3	139.7	137.8	135.4	132.9	129.9	128.7	127.5
72.5°	170.2	155.7	141.2	129.5	124.1	121.8	119.4	116.9	114.9	113.7	112.9
75°	130.6	117.2	107.4	103.2	100.1	98.3	94.7	92.8	91.7	89.8	89.2
77.5°	94.0	86.4	82.0	79.3	76.1	74.1	72.1	70.3	69.0	68.6	67.7
80°	71.6	68.0	65.0	61.3	60.1	57.7	57.0	55.2	55.8	54.0	54.0
82.5°	55.6	51.0	48.5	46.7	45.6	43.6	43.0	42.1	42.2	40.9	40.9
85°	28.5	27.3	26.1	24.9	24.9	23.1	23.7	23.1	23.1	21.9	21.2
87.5°	11.1	11.1	10.9	12.0	13.0	12.7	12.5	11.9	11.6	11.9	11.6
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: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

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: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1677.7	1678.6	1677.2	1678.2	1677.2	1678.6	1677.7	1683.0	1683.9	1685.0	1683.9
5°	1563.1	1555.8	1554.7	1552.8	1554.7	1555.8	1563.1	1566.2	1568.6	1573.5	1582.0
7.5°	1426.5	1425.4	1422.4	1418.1	1422.4	1425.4	1426.5	1436.9	1445.2	1454.6	1472.0
10°	1338.6	1335.5	1334.9	1330.6	1334.9	1335.5	1338.6	1351.9	1361.6	1375.0	1398.7
12.5°	1235.6	1216.1	1214.0	1203.4	1214.0	1216.1	1235.6	1252.8	1279.1	1292.0	1317.1
15°	1052.0	1048.4	1036.3	1028.3	1036.3	1048.4	1052.0	1066.6	1076.3	1111.5	1152.2
17.5°	947.1	935.3	931.4	929.8	931.4	935.3	947.1	954.2	968.0	986.6	1011.1
20°	879.6	868.7	866.9	865.7	866.9	868.7	879.6	888.1	899.0	919.1	944.6
22.5°	833.0	821.6	816.8	813.2	816.8	821.6	833.0	839.6	849.5	865.1	882.4
25°	753.4	749.1	746.7	745.4	746.7	749.1	753.4	759.5	769.1	790.4	808.6
27.5°	691.1	681.8	679.9	676.8	679.9	681.8	691.1	701.9	711.9	721.5	737.8
30°	655.6	652.6	648.3	644.7	648.3	652.6	655.6	661.1	667.7	684.1	700.0
32.5°	613.9	611.3	607.5	605.9	607.5	611.3	613.9	621.2	635.3	645.3	656.7
35°	567.6	559.1	555.5	550.0	555.5	559.1	567.6	573.7	579.2	587.6	608.2
37.5°	518.6	514.2	509.1	510.9	509.1	514.2	518.6	521.3	532.7	544.5	553.5
40°	480.8	477.8	476.6	475.9	476.6	477.8	480.8	488.7	502.6	508.1	521.5
42.5°	450.7	442.3	439.1	439.0	439.1	442.3	450.7	459.5	468.2	477.1	490.8
45°	404.9	397.0	391.6	392.1	391.6	397.0	404.9	408.0	415.3	432.8	440.7
47.5°	358.1	357.8	354.4	355.5	354.4	357.8	358.1	363.3	372.6	383.4	396.0
50°	335.7	332.1	329.6	330.3	329.6	332.1	335.7	339.9	345.4	350.9	370.3
52.5°	314.3	311.2	309.3	311.8	309.3	311.2	314.3	316.6	320.7	326.1	339.2
55°	279.2	275.6	275.0	274.4	275.0	275.6	279.2	282.3	287.2	291.4	297.5
57.5°	240.0	237.6	233.9	232.3	233.9	237.6	240.0	244.5	250.3	256.0	262.2
60°	211.8	207.0	200.9	200.3	200.9	207.0	211.8	219.8	222.2	230.7	238.0
62.5°	186.1	185.1	183.9	183.8	183.9	185.1	186.1	188.7	192.1	204.5	213.2
65°	163.3	162.7	163.3	163.9	163.3	162.7	163.3	164.5	165.1	166.4	170.0
67.5°	142.3	141.2	140.1	140.6	140.1	141.2	142.3	142.5	144.3	145.0	147.5
70°	126.3	125.6	125.1	125.1	125.1	125.6	126.3	127.5	128.7	129.9	132.9
72.5°	110.7	110.6	110.0	109.5	110.0	110.6	110.7	112.9	113.7	114.9	116.9
75°	88.6	87.4	87.4	87.4	87.4	87.4	88.6	89.2	89.8	91.7	92.8
77.5°	67.5	66.9	66.3	65.8	66.3	66.9	67.5	67.7	68.6	69.0	70.3
80°	53.4	52.8	52.2	52.2	52.2	52.8	53.4	54.0	54.0	55.8	55.2
82.5°	40.8	40.2	40.1	39.6	40.1	40.2	40.8	40.9	40.9	42.2	42.1
85°	21.9	22.5	21.9	23.1	21.9	22.5	21.9	21.2	21.9	23.1	23.1
87.5°	11.6	11.0	11.6	11.0	11.6	11.0	11.6	11.6	11.9	11.6	11.9
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: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

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



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1680.1	1686.9	1697.1	1702.9	1712.6	1719.0	1722.4	1728.6	1732.0	1744.2	1756.8
5°	1586.3	1595.9	1613.0	1628.7	1645.8	1663.3	1676.1	1690.7	1704.0	1727.0	1751.4
7.5°	1478.7	1492.2	1518.5	1543.6	1573.3	1598.1	1620.1	1645.0	1667.2	1700.3	1734.7
10°	1398.0	1421.7	1456.3	1480.0	1518.9	1543.7	1578.3	1605.7	1636.6	1680.3	1719.2
12.5°	1328.6	1357.2	1385.0	1417.8	1452.8	1494.2	1532.2	1567.3	1604.1	1649.2	1694.9
15°	1202.6	1243.9	1287.0	1320.3	1367.7	1411.4	1455.7	1503.1	1548.0	1602.0	1661.5
17.5°	1040.4	1088.2	1160.7	1217.9	1273.5	1317.3	1372.2	1429.5	1482.4	1547.6	1613.8
20°	967.0	1002.3	1051.4	1128.5	1212.3	1259.0	1314.9	1378.0	1438.7	1509.7	1580.8
22.5°	908.2	939.6	979.1	1039.2	1132.7	1196.4	1254.7	1318.7	1389.2	1461.7	1540.5
25°	824.3	846.2	887.5	936.0	1000.4	1105.4	1169.2	1233.5	1310.0	1387.7	1477.6
27.5°	761.4	781.0	807.9	854.2	902.1	977.5	1078.9	1149.1	1225.3	1312.7	1406.0
30°	713.3	736.3	766.1	798.9	851.1	910.0	1011.4	1092.7	1168.0	1257.8	1357.4
32.5°	678.3	696.6	721.9	755.2	798.7	855.1	936.0	1034.9	1108.3	1202.9	1306.9
35°	621.0	642.3	662.9	694.5	729.7	781.3	842.6	948.2	1021.0	1114.5	1218.9
37.5°	573.8	586.8	609.6	634.6	671.8	710.3	763.4	858.2	936.9	1028.7	1135.6
40°	537.8	554.2	571.2	599.1	629.5	666.5	718.7	789.2	879.6	969.5	1073.9
42.5°	502.9	523.6	541.6	560.3	593.6	630.6	673.1	732.8	825.2	910.2	1011.7
45°	460.7	474.1	492.9	513.6	540.9	572.4	610.1	662.3	750.9	824.3	919.7
47.5°	411.7	431.3	443.5	463.7	489.6	519.8	554.8	599.9	671.6	740.5	828.9
50°	378.2	398.2	415.8	434.0	457.1	486.2	515.4	559.1	616.8	689.0	771.6
52.5°	349.5	367.2	384.3	402.5	425.1	451.8	479.4	517.8	567.2	633.7	713.8
55°	310.2	321.2	338.7	357.0	377.0	402.5	429.2	461.4	503.8	559.7	624.6
57.5°	269.9	282.5	296.5	314.8	335.1	354.7	378.7	407.8	441.3	491.9	547.5
60°	247.1	256.7	268.3	287.2	305.9	323.5	346.7	370.9	402.5	446.2	493.5
62.5°	221.8	231.1	241.6	258.0	276.3	292.5	312.6	338.3	365.1	404.9	446.4
65°	179.7	193.1	203.4	217.9	233.1	250.1	265.9	286.5	310.2	341.7	378.8
67.5°	149.0	155.7	165.3	178.6	194.2	208.7	223.6	239.8	260.3	284.7	314.1
70°	135.4	137.8	139.7	152.3	166.9	181.5	195.5	210.6	228.2	248.3	273.8
72.5°	119.4	121.8	124.1	129.5	141.2	155.7	170.2	181.5	198.1	214.8	235.4
75°	94.7	98.3	100.1	103.2	107.4	117.2	130.6	141.4	151.1	163.9	180.3
77.5°	72.1	74.1	76.1	79.3	82.0	86.4	94.0	103.8	112.9	120.3	131.6
80°	57.0	57.7	60.1	61.3	65.0	68.0	71.6	79.5	88.6	91.7	99.6
82.5°	43.0	43.6	45.6	46.7	48.5	51.0	55.6	57.7	64.8	68.8	73.8
85°	23.7	23.1	24.9	24.9	26.1	27.3	28.5	31.5	33.4	38.3	39.5
87.5°	12.5	12.7	13.0	12.0	10.9	11.1	11.1	11.3	12.0	12.8	14.3
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



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

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: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1757.3	1758.7	1768.5	1772.8	1781.6	1784.9	1788.9	1787.9	1787.9	1789.9	1803.4
5°	1761.1	1773.2	1791.4	1809.0	1826.1	1840.6	1850.3	1860.0	1863.7	1881.3	1897.0
7.5°	1754.8	1777.1	1807.2	1834.1	1866.2	1891.3	1912.2	1931.0	1943.9	1969.5	1995.7
10°	1746.5	1778.1	1812.0	1846.7	1890.9	1924.4	1958.4	1984.5	1993.0	2031.2	2053.1
12.5°	1730.0	1772.3	1815.4	1860.3	1903.6	1949.6	1987.0	2013.1	2043.0	2077.3	2117.7
15°	1705.3	1753.8	1810.2	1867.9	1929.8	1985.7	2025.8	2071.2	2104.0	2141.7	2176.9
17.5°	1669.7	1732.2	1804.0	1870.7	1942.4	2002.3	2057.5	2101.1	2124.2	2145.7	2150.9
20°	1641.5	1708.9	1793.3	1872.2	1943.8	2013.0	2067.6	2104.0	2110.1	2110.7	2078.5
22.5°	1610.9	1687.0	1775.3	1856.2	1941.9	2018.8	2061.3	2076.9	2052.8	2011.7	1949.4
25°	1554.7	1642.7	1745.3	1837.5	1931.0	2003.9	2018.5	1991.2	1906.8	1818.1	1705.8
27.5°	1493.7	1592.7	1702.6	1805.2	1904.8	1950.0	1918.5	1820.0	1668.1	1536.0	1375.9
30°	1449.1	1560.1	1668.2	1782.9	1875.2	1894.6	1822.4	1677.3	1500.0	1300.9	1141.3
32.5°	1398.0	1514.5	1633.2	1751.8	1829.1	1810.1	1690.8	1512.2	1304.3	1108.6	957.7
35°	1325.2	1445.4	1573.5	1692.5	1741.6	1659.7	1481.2	1248.7	1036.3	853.5	749.7
37.5°	1241.0	1372.0	1505.1	1614.4	1610.9	1474.3	1231.2	991.2	812.6	704.6	630.6
40°	1181.3	1313.7	1457.5	1549.8	1510.4	1332.5	1069.1	842.6	712.1	625.9	571.9
42.5°	1124.0	1256.9	1399.8	1473.1	1404.5	1185.8	923.4	745.9	638.3	571.0	527.2
45°	1026.5	1166.7	1299.1	1339.7	1217.1	976.1	746.7	618.0	546.4	496.5	466.2
47.5°	931.2	1069.1	1189.9	1190.6	1024.8	791.6	629.9	534.8	473.6	435.1	413.0
50°	872.9	1004.1	1105.4	1089.6	901.5	704.2	563.3	481.4	430.4	400.7	377.6
52.5°	807.4	934.6	1022.4	977.5	797.1	619.6	503.6	434.7	392.5	366.6	346.0
55°	712.1	825.0	886.9	818.9	650.1	515.4	425.6	371.5	339.9	318.1	300.5
57.5°	618.5	711.6	750.6	671.4	535.5	427.4	360.0	319.4	288.1	272.4	263.3
60°	559.7	639.2	666.5	579.2	465.6	373.9	318.7	281.1	258.0	247.7	238.6
62.5°	501.9	566.9	578.1	498.0	405.9	327.3	279.9	248.0	232.7	222.9	214.3
65°	416.5	463.2	457.7	393.4	321.2	259.8	225.2	205.8	194.2	180.3	165.1
67.5°	342.9	371.4	354.2	305.9	245.1	201.9	179.4	164.6	150.3	137.0	133.6
70°	296.3	312.6	294.5	250.1	200.9	169.4	151.1	133.6	125.1	122.0	116.5
72.5°	251.6	257.3	237.6	199.6	163.5	140.2	122.5	112.6	108.1	105.5	102.0
75°	188.8	184.6	167.5	137.8	113.5	97.8	92.3	88.6	85.6	83.2	81.4
77.5°	132.6	126.4	111.2	91.8	79.1	71.5	68.2	66.3	64.8	63.6	61.8
80°	99.6	95.3	80.2	65.6	60.1	56.5	54.7	52.2	52.2	51.0	49.2
82.5°	72.9	68.1	54.9	48.1	45.1	42.9	41.5	40.1	39.6	39.8	38.5
85°	38.3	31.0	27.3	26.1	24.3	23.1	23.7	22.5	22.5	22.5	21.9
87.5°	12.3	10.5	10.3	10.1	11.1	11.9	12.5	13.5	14.1	13.5	13.8
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



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

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



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1	1747.1
2.5°	1808.3	1814.6	1817.5	1817.5	1820.9	1819.5	1818.0
5°	1912.2	1923.7	1926.2	1937.1	1945.0	1942.6	1943.8
7.5°	2015.5	2034.1	2052.5	2060.9	2062.1	2067.0	2068.9
10°	2079.2	2094.4	2122.9	2118.6	2139.8	2152.0	2132.0
12.5°	2140.3	2160.8	2180.6	2186.1	2198.1	2202.0	2194.1
15°	2195.7	2206.6	2207.9	2204.8	2208.4	2205.4	2193.9
17.5°	2144.0	2126.3	2090.3	2073.3	2059.8	2039.9	2031.9
20°	2058.5	2006.3	1945.6	1921.4	1892.8	1836.9	1850.3
22.5°	1874.0	1814.5	1753.8	1682.9	1649.0	1596.1	1592.9
25°	1586.8	1484.2	1371.3	1292.4	1246.3	1193.5	1170.4
27.5°	1233.7	1104.6	1012.1	965.2	922.6	880.7	879.0
30°	1001.6	904.5	832.9	792.8	766.7	749.1	752.7
32.5°	844.3	777.8	729.4	696.2	676.8	663.6	663.4
35°	690.2	644.7	613.7	599.8	585.8	576.1	576.7
37.5°	590.7	563.3	546.1	530.7	522.0	517.2	514.5
40°	539.6	517.2	503.8	494.7	487.4	480.8	479.6
42.5°	499.4	480.8	467.5	460.3	453.4	448.8	447.5
45°	443.1	427.9	415.8	408.0	404.9	400.7	400.7
47.5°	394.2	379.3	369.8	364.9	359.7	356.8	356.7
50°	361.2	349.7	341.2	338.1	333.9	332.1	331.4
52.5°	331.6	323.0	316.9	314.8	313.0	310.7	311.1
55°	291.4	286.5	284.1	282.3	279.2	275.6	278.1
57.5°	257.5	253.4	246.8	241.1	238.4	235.8	236.8
60°	233.7	225.2	216.7	210.0	208.2	202.7	202.7
62.5°	203.6	191.7	181.3	177.5	175.7	173.2	172.6
65°	156.6	151.8	149.3	146.9	145.7	145.7	144.5
67.5°	129.8	127.9	125.2	124.5	123.3	123.0	122.6
70°	114.7	112.3	111.1	110.5	109.2	109.9	108.1
72.5°	100.1	98.2	98.0	96.4	95.7	95.8	94.4
75°	78.9	78.9	78.3	77.7	76.5	75.9	76.5
77.5°	60.7	60.8	59.7	59.7	59.5	59.7	59.0
80°	48.6	49.2	48.6	47.9	47.4	47.9	47.4
82.5°	38.3	37.5	37.4	37.3	37.2	36.8	36.7
85°	21.9	22.5	21.9	21.2	21.2	21.2	21.9
87.5°	13.0	13.3	13.5	13.5	13.5	13.5	13.0
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



TEST NUMBER: P331755-927

CATALOG NUMBER: SA2XXRDIP-C1005D925U927-4F0-1E-UDD-A4

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)