

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: P331743-927

Luminaire Tested: **SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4**

Issue Date: 10/7/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P331743-927  
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-C1005D530U927-4F0-1E-UDD-A4  
Description: DEFINE 2 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 530 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4656.2 lumens  
Efficiency: N/A  
Efficacy: 84.5 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: Semi-Direct

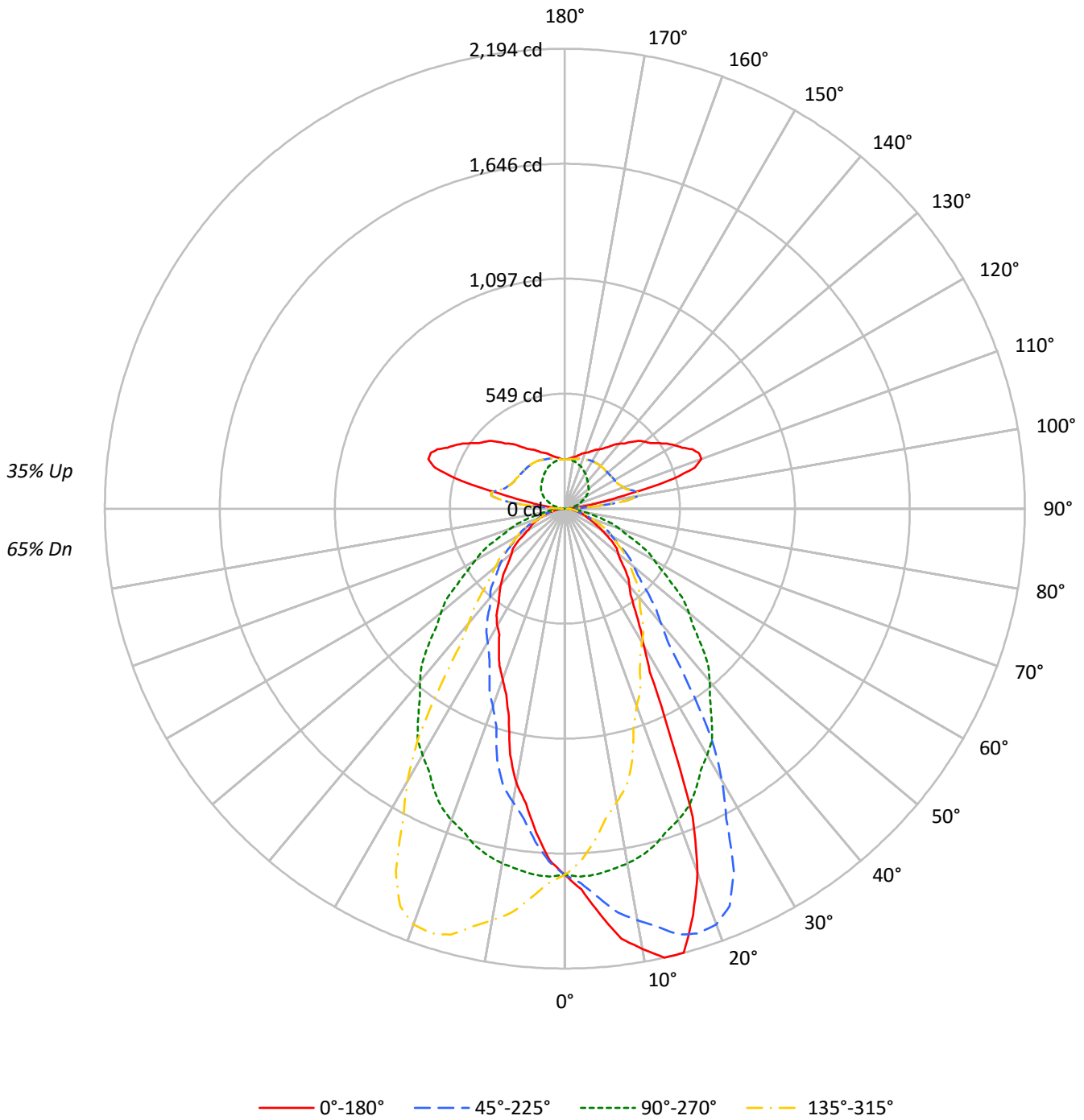
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

### Luminous Intensity Polar Plot





TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-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	111	111	111	111	104	104	104	104	92	92	92	80	80	80	70	70	70	65
1	102	98	94	91	96	92	89	86	82	80	77	72	70	69	63	62	61	57
2	94	87	81	76	88	82	77	73	73	69	66	65	62	59	57	55	53	49
3	86	77	70	65	81	73	67	62	65	61	57	58	55	51	52	49	46	43
4	80	69	62	56	75	66	59	54	59	54	49	53	49	45	47	44	41	38
5	74	63	55	49	69	59	52	47	54	48	44	48	44	40	43	39	37	34
6	68	57	49	43	64	54	47	42	49	43	39	44	39	36	39	36	33	30
7	64	52	44	39	60	49	42	37	45	39	35	40	36	32	36	33	30	27
8	59	47	40	35	56	45	38	34	41	36	31	37	33	29	34	30	27	25
9	56	44	36	32	52	42	35	31	38	33	29	35	30	27	31	28	25	23
10	52	40	33	29	49	39	32	28	35	30	26	32	28	25	29	26	23	21

**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: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.6	3.6
10°-20°	461.5	9.9
20°-30°	594.7	12.8
30°-40°	565.1	12.1
40°-50°	484.1	10.4
50°-60°	368.7	7.9
60°-70°	233.1	5.0
70°-80°	116.4	2.5
80°-90°	32.4	0.7
90°-100°	93.9	2.0
100°-110°	318.8	6.8
110°-120°	338.6	7.3
120°-130°	278.8	6.0
130°-140°	223.9	4.8
140°-150°	169.2	3.6
150°-160°	118.9	2.6
160°-170°	70.0	1.5
170°-180°	22.8	0.5
0°-30°	1221.8	26.2
0°-40°	1786.9	38.4
0°-60°	2639.7	56.7
0°-90°	3021.5	64.9
90°-120°	751.3	16.1
90°-150°	1423.1	30.6
90°-180°	1635.0	35.1
0°-180°	4656.2	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°	15	0	15	0	15	9
95°	52	16	52	16	52	67
105°	509	55	509	55	509	493
115°	670	97	670	97	670	656
125°	544	136	544	136	544	491
135°	450	159	450	159	450	350
145°	360	182	360	182	360	228
155°	302	206	302	206	302	141
165°	265	225	265	225	265	76
175°	239	234	239	234	239	23
180°	235	235	235	235	235	



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-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°	10.8	11.2	11.2	11.2	11.2	11.2	10.9	11.6	11.2	11.8	11.2
90°	14.9	14.9	14.9	14.9	14.9	14.4	13.5	14.4	14.9	15.4	14.9
92.5°	25.0	25.7	25.4	26.9	27.2	30.0	33.8	39.4	49.6	58.7	57.9
95°	51.5	51.0	52.4	56.0	61.9	71.9	90.8	118.4	155.0	177.1	156.8
97.5°	101.4	105.2	111.8	122.9	144.5	177.1	226.0	276.2	317.1	302.3	227.7
100°	161.8	169.8	183.0	202.4	239.9	294.5	356.5	412.5	421.9	356.9	245.7
102.5°	284.6	295.6	312.0	345.2	385.9	443.9	489.1	501.8	461.0	358.7	238.9
105°	509.1	515.5	534.9	562.9	590.9	605.9	599.9	548.9	455.0	334.8	225.5
107.5°	650.4	658.8	662.7	664.2	660.7	638.8	591.8	514.9	415.3	309.1	218.7
110°	693.0	693.5	689.4	680.8	661.4	624.3	566.5	485.7	390.3	296.8	217.3



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	692.3	689.8	682.1	667.8	640.8	598.3	536.5	458.9	373.0	288.8	217.7
115°	669.9	665.9	654.2	633.3	601.3	554.8	495.6	426.0	351.5	280.1	219.6
117.5°	630.1	626.7	614.3	592.4	559.7	516.0	462.3	401.2	337.9	275.8	222.8
120°	604.4	599.9	586.8	565.6	534.0	492.9	445.0	389.0	330.7	273.3	225.0
122.5°	577.7	573.9	562.3	541.4	513.0	475.9	430.6	379.2	324.6	271.9	227.5
125°	543.5	539.9	528.5	511.4	485.2	451.3	411.5	365.0	315.8	269.3	231.3
127.5°	513.5	510.6	500.8	484.7	461.9	430.6	393.2	351.0	307.7	267.8	235.2
130°	496.5	492.9	483.9	468.5	446.3	416.5	380.9	342.0	302.2	267.0	238.1
132.5°	478.8	475.5	467.2	451.9	430.1	402.1	369.3	333.4	297.9	266.6	241.0
135°	450.4	448.6	440.5	425.6	406.2	380.9	351.0	321.2	291.8	266.1	244.4
137.5°	422.6	419.9	412.7	399.9	382.2	360.1	336.5	311.6	287.6	266.0	247.5
140°	403.5	400.7	394.0	382.2	367.7	347.8	327.1	305.4	285.1	265.6	248.9
142.5°	384.3	383.7	377.7	367.0	353.3	336.7	318.8	300.3	282.6	265.6	250.0
145°	359.6	358.2	353.7	346.0	335.3	322.1	308.1	293.2	279.2	264.7	251.2
147.5°	338.9	338.1	335.0	328.9	320.0	310.4	299.4	287.7	275.8	263.1	251.5
150°	326.6	326.1	323.4	318.1	311.2	303.2	293.7	283.7	272.9	262.1	251.2
152.5°	316.2	316.1	314.1	309.3	304.0	297.0	289.0	279.7	270.4	260.2	250.5
155°	302.2	303.2	301.3	298.2	293.2	288.2	281.5	274.3	265.6	257.1	249.4
157.5°	290.4	290.4	289.6	286.9	283.4	279.6	273.9	267.8	261.2	253.8	247.3
160°	282.8	282.8	282.3	280.1	276.9	273.8	268.8	263.8	257.9	251.7	246.2
162.5°	275.6	275.9	275.5	273.9	270.8	268.4	264.1	259.8	255.1	249.9	245.1
165°	265.2	265.6	265.6	263.8	262.1	260.2	257.1	253.9	250.3	246.2	243.0
167.5°	255.6	256.2	256.3	255.2	254.4	252.8	250.6	248.2	245.6	243.0	241.0
170°	249.9	250.7	251.2	249.9	249.4	248.5	246.7	245.3	243.0	241.2	239.9
172.5°	245.1	245.7	246.1	245.5	245.0	244.5	243.0	242.1	240.5	239.1	238.4
175°	239.0	239.9	240.3	239.9	239.9	239.5	239.0	238.5	237.2	236.7	236.3
177.5°	235.3	236.0	236.4	236.4	236.4	236.4	236.0	236.0	235.3	234.9	235.3
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-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°	10.7	10.5	10.1	9.3	9.7	10.0	12.0	14.2	12.5	11.4	10.6
90°	12.2	9.0	6.8	5.4	4.5	3.6	1.8	0.5	1.8	3.6	4.5
92.5°	45.1	30.7	20.5	16.2	13.2	11.2	7.9	5.5	7.9	11.2	13.2
95°	104.3	65.0	44.3	33.4	26.2	22.1	17.6	15.8	17.6	22.1	26.2
97.5°	140.6	85.9	59.7	47.5	39.1	33.0	28.2	25.7	28.2	33.0	39.1
100°	148.2	93.1	69.2	56.5	47.5	40.2	36.1	34.8	36.1	40.2	47.5
102.5°	148.5	99.6	77.4	64.8	55.4	48.2	44.1	43.1	44.1	48.2	55.4
105°	150.9	110.7	89.4	76.8	66.9	60.0	57.0	55.1	57.0	60.0	66.9
107.5°	157.1	122.1	101.5	88.7	78.9	72.6	69.6	68.1	69.6	72.6	78.9
110°	162.2	129.7	109.8	96.6	87.2	81.4	78.6	76.8	78.6	81.4	87.2





TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	167.6	136.9	117.7	104.3	95.1	89.6	86.6	84.8	86.6	89.6	95.1
115°	175.7	148.2	128.7	116.5	107.5	102.1	99.4	97.1	99.4	102.1	107.5
117.5°	184.4	158.6	140.6	127.9	119.3	114.5	111.8	110.0	111.8	114.5	119.3
120°	190.2	165.8	148.2	135.5	126.5	122.4	119.7	117.9	119.7	122.4	126.5
122.5°	195.3	172.7	156.1	143.1	134.1	129.7	127.0	125.5	127.0	129.7	134.1
125°	203.3	183.0	166.7	154.1	145.0	139.6	136.9	135.5	136.9	139.6	145.0
127.5°	210.8	192.6	176.7	163.7	155.0	149.1	145.3	143.5	145.3	149.1	155.0
130°	215.5	198.4	182.5	169.8	160.8	154.5	150.0	148.2	150.0	154.5	160.8
132.5°	220.2	203.4	188.3	175.6	166.3	159.5	154.7	152.5	154.7	159.5	166.3
135°	226.3	210.6	196.1	183.4	173.0	166.3	160.8	159.0	160.8	166.3	173.0
137.5°	231.0	216.3	202.0	190.3	180.0	172.8	167.3	165.2	167.3	172.8	180.0
140°	233.5	219.6	206.0	194.2	184.3	177.1	171.7	169.8	171.7	177.1	184.3
142.5°	235.8	222.1	208.9	197.9	188.3	181.1	176.0	174.6	176.0	181.1	188.3
145°	238.5	225.9	213.7	203.7	194.7	187.9	183.4	181.6	183.4	187.9	194.7
147.5°	240.1	228.9	217.5	208.7	201.1	194.9	190.5	189.2	190.5	194.9	201.1
150°	240.8	230.4	220.0	211.9	205.1	199.2	195.6	194.2	195.6	199.2	205.1
152.5°	241.1	231.9	222.5	215.2	208.7	203.6	199.9	199.3	199.9	203.6	208.7
155°	241.7	234.0	226.3	219.6	214.6	209.6	206.9	206.4	206.9	209.6	214.6
157.5°	241.7	235.5	229.0	223.4	219.4	215.1	212.9	212.4	212.9	215.1	219.4
160°	241.7	236.3	230.8	225.9	222.3	218.6	216.8	216.4	216.8	218.6	222.3
162.5°	241.3	236.6	232.0	228.1	224.8	221.9	220.1	220.4	220.1	221.9	224.8
165°	240.3	237.2	233.1	230.4	228.1	225.5	224.5	225.0	224.5	225.5	228.1
167.5°	239.7	237.1	234.1	232.4	230.8	229.0	228.2	228.8	228.2	229.0	230.8
170°	239.0	236.7	234.5	233.1	232.2	230.8	230.4	231.3	230.4	230.8	232.2
172.5°	237.9	236.4	234.8	233.9	233.3	232.0	232.2	232.7	232.2	232.0	233.3
175°	236.7	235.8	234.9	234.5	234.5	233.5	234.0	234.5	234.0	233.5	234.5
177.5°	236.0	235.3	234.9	234.9	234.9	234.2	234.6	235.3	234.6	234.2	234.9
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-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°	10.3	10.1	9.6	10.2	10.8	10.4	10.3	9.7	9.5	9.7	9.3
90°	5.4	6.8	9.0	12.2	14.9	15.4	14.9	14.4	13.5	14.4	14.9
92.5°	16.2	20.5	30.7	45.1	57.9	58.7	49.6	39.4	33.8	30.0	27.2
95°	33.4	44.3	65.0	104.3	156.8	177.1	155.0	118.4	90.8	71.9	61.9
97.5°	47.5	59.7	85.9	140.6	227.7	302.3	317.1	276.2	226.0	177.1	144.5
100°	56.5	69.2	93.1	148.2	245.7	356.9	421.9	412.5	356.5	294.5	239.9
102.5°	64.8	77.4	99.6	148.5	238.9	358.7	461.0	501.8	489.1	443.9	385.9
105°	76.8	89.4	110.7	150.9	225.5	334.8	455.0	548.9	599.9	605.9	590.9
107.5°	88.7	101.5	122.1	157.1	218.7	309.1	415.3	514.9	591.8	638.8	660.7
110°	96.6	109.8	129.7	162.2	217.3	296.8	390.3	485.7	566.5	624.3	661.4



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	104.3	117.7	136.9	167.6	217.7	288.8	373.0	458.9	536.5	598.3	640.8
115°	116.5	128.7	148.2	175.7	219.6	280.1	351.5	426.0	495.6	554.8	601.3
117.5°	127.9	140.6	158.6	184.4	222.8	275.8	337.9	401.2	462.3	516.0	559.7
120°	135.5	148.2	165.8	190.2	225.0	273.3	330.7	389.0	445.0	492.9	534.0
122.5°	143.1	156.1	172.7	195.3	227.5	271.9	324.6	379.2	430.6	475.9	513.0
125°	154.1	166.7	183.0	203.3	231.3	269.3	315.8	365.0	411.5	451.3	485.2
127.5°	163.7	176.7	192.6	210.8	235.2	267.8	307.7	351.0	393.2	430.6	461.9
130°	169.8	182.5	198.4	215.5	238.1	267.0	302.2	342.0	380.9	416.5	446.3
132.5°	175.6	188.3	203.4	220.2	241.0	266.6	297.9	333.4	369.3	402.1	430.1
135°	183.4	196.1	210.6	226.3	244.4	266.1	291.8	321.2	351.0	380.9	406.2
137.5°	190.3	202.0	216.3	231.0	247.5	266.0	287.6	311.6	336.5	360.1	382.2
140°	194.2	206.0	219.6	233.5	248.9	265.6	285.1	305.4	327.1	347.8	367.7
142.5°	197.9	208.9	222.1	235.8	250.0	265.6	282.6	300.3	318.8	336.7	353.3
145°	203.7	213.7	225.9	238.5	251.2	264.7	279.2	293.2	308.1	322.1	335.3
147.5°	208.7	217.5	228.9	240.1	251.5	263.1	275.8	287.7	299.4	310.4	320.0
150°	211.9	220.0	230.4	240.8	251.2	262.1	272.9	283.7	293.7	303.2	311.2
152.5°	215.2	222.5	231.9	241.1	250.5	260.2	270.4	279.7	289.0	297.0	304.0
155°	219.6	226.3	234.0	241.7	249.4	257.1	265.6	274.3	281.5	288.2	293.2
157.5°	223.4	229.0	235.5	241.7	247.3	253.8	261.2	267.8	273.9	279.6	283.4
160°	225.9	230.8	236.3	241.7	246.2	251.7	257.9	263.8	268.8	273.8	276.9
162.5°	228.1	232.0	236.6	241.3	245.1	249.9	255.1	259.8	264.1	268.4	270.8
165°	230.4	233.1	237.2	240.3	243.0	246.2	250.3	253.9	257.1	260.2	262.1
167.5°	232.4	234.1	237.1	239.7	241.0	243.0	245.6	248.2	250.6	252.8	254.4
170°	233.1	234.5	236.7	239.0	239.9	241.2	243.0	245.3	246.7	248.5	249.4
172.5°	233.9	234.8	236.4	237.9	238.4	239.1	240.5	242.1	243.0	244.5	245.0
175°	234.5	234.9	235.8	236.7	236.3	236.7	237.2	238.5	239.0	239.5	239.9
177.5°	234.9	234.9	235.3	236.0	235.3	234.9	235.3	236.0	236.0	236.4	236.4
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-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°	9.3	8.8	9.3	8.8	9.3	8.8	9.3	9.3	9.7	9.5	9.7
90°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.4	13.5	14.4
92.5°	26.9	25.4	25.7	25.0	25.7	25.4	26.9	27.2	30.0	33.8	39.4
95°	56.0	52.4	51.0	51.5	51.0	52.4	56.0	61.9	71.9	90.8	118.4
97.5°	122.9	111.8	105.2	101.4	105.2	111.8	122.9	144.5	177.1	226.0	276.2
100°	202.4	183.0	169.8	161.8	169.8	183.0	202.4	239.9	294.5	356.5	412.5
102.5°	345.2	312.0	295.6	284.6	295.6	312.0	345.2	385.9	443.9	489.1	501.8
105°	562.9	534.9	515.5	509.1	515.5	534.9	562.9	590.9	605.9	599.9	548.9
107.5°	664.2	662.7	658.8	650.4	658.8	662.7	664.2	660.7	638.8	591.8	514.9
110°	680.8	689.4	693.5	693.0	693.5	689.4	680.8	661.4	624.3	566.5	485.7



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	667.8	682.1	689.8	692.3	689.8	682.1	667.8	640.8	598.3	536.5	458.9
115°	633.3	654.2	665.9	669.9	665.9	654.2	633.3	601.3	554.8	495.6	426.0
117.5°	592.4	614.3	626.7	630.1	626.7	614.3	592.4	559.7	516.0	462.3	401.2
120°	565.6	586.8	599.9	604.4	599.9	586.8	565.6	534.0	492.9	445.0	389.0
122.5°	541.4	562.3	573.9	577.7	573.9	562.3	541.4	513.0	475.9	430.6	379.2
125°	511.4	528.5	539.9	543.5	539.9	528.5	511.4	485.2	451.3	411.5	365.0
127.5°	484.7	500.8	510.6	513.5	510.6	500.8	484.7	461.9	430.6	393.2	351.0
130°	468.5	483.9	492.9	496.5	492.9	483.9	468.5	446.3	416.5	380.9	342.0
132.5°	451.9	467.2	475.5	478.8	475.5	467.2	451.9	430.1	402.1	369.3	333.4
135°	425.6	440.5	448.6	450.4	448.6	440.5	425.6	406.2	380.9	351.0	321.2
137.5°	399.9	412.7	419.9	422.6	419.9	412.7	399.9	382.2	360.1	336.5	311.6
140°	382.2	394.0	400.7	403.5	400.7	394.0	382.2	367.7	347.8	327.1	305.4
142.5°	367.0	377.7	383.7	384.3	383.7	377.7	367.0	353.3	336.7	318.8	300.3
145°	346.0	353.7	358.2	359.6	358.2	353.7	346.0	335.3	322.1	308.1	293.2
147.5°	328.9	335.0	338.1	338.9	338.1	335.0	328.9	320.0	310.4	299.4	287.7
150°	318.1	323.4	326.1	326.6	326.1	323.4	318.1	311.2	303.2	293.7	283.7
152.5°	309.3	314.1	316.1	316.2	316.1	314.1	309.3	304.0	297.0	289.0	279.7
155°	298.2	301.3	303.2	302.2	303.2	301.3	298.2	293.2	288.2	281.5	274.3
157.5°	286.9	289.6	290.4	290.4	290.4	289.6	286.9	283.4	279.6	273.9	267.8
160°	280.1	282.3	282.8	282.8	282.8	282.3	280.1	276.9	273.8	268.8	263.8
162.5°	273.9	275.5	275.9	275.6	275.9	275.5	273.9	270.8	268.4	264.1	259.8
165°	263.8	265.6	265.6	265.2	265.6	265.6	263.8	262.1	260.2	257.1	253.9
167.5°	255.2	256.3	256.2	255.6	256.2	256.3	255.2	254.4	252.8	250.6	248.2
170°	249.9	251.2	250.7	249.9	250.7	251.2	249.9	249.4	248.5	246.7	245.3
172.5°	245.5	246.1	245.7	245.1	245.7	246.1	245.5	245.0	244.5	243.0	242.1
175°	239.9	240.3	239.9	239.0	239.9	240.3	239.9	239.9	239.5	239.0	238.5
177.5°	236.4	236.4	236.0	235.3	236.0	236.4	236.4	236.4	236.4	236.0	236.0
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-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°	10.3	10.4	10.8	10.2	9.6	10.1	10.3	10.6	11.4	12.5	14.2
90°	14.9	15.4	14.9	12.2	9.0	6.8	5.4	4.5	3.6	1.8	0.5
92.5°	49.6	58.7	57.9	45.1	30.7	20.5	16.2	13.2	11.2	7.9	5.5
95°	155.0	177.1	156.8	104.3	65.0	44.3	33.4	26.2	22.1	17.6	15.8
97.5°	317.1	302.3	227.7	140.6	85.9	59.7	47.5	39.1	33.0	28.2	25.7
100°	421.9	356.9	245.7	148.2	93.1	69.2	56.5	47.5	40.2	36.1	34.8
102.5°	461.0	358.7	238.9	148.5	99.6	77.4	64.8	55.4	48.2	44.1	43.1
105°	455.0	334.8	225.5	150.9	110.7	89.4	76.8	66.9	60.0	57.0	55.1
107.5°	415.3	309.1	218.7	157.1	122.1	101.5	88.7	78.9	72.6	69.6	68.1
110°	390.3	296.8	217.3	162.2	129.7	109.8	96.6	87.2	81.4	78.6	76.8



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	373.0	288.8	217.7	167.6	136.9	117.7	104.3	95.1	89.6	86.6	84.8
115°	351.5	280.1	219.6	175.7	148.2	128.7	116.5	107.5	102.1	99.4	97.1
117.5°	337.9	275.8	222.8	184.4	158.6	140.6	127.9	119.3	114.5	111.8	110.0
120°	330.7	273.3	225.0	190.2	165.8	148.2	135.5	126.5	122.4	119.7	117.9
122.5°	324.6	271.9	227.5	195.3	172.7	156.1	143.1	134.1	129.7	127.0	125.5
125°	315.8	269.3	231.3	203.3	183.0	166.7	154.1	145.0	139.6	136.9	135.5
127.5°	307.7	267.8	235.2	210.8	192.6	176.7	163.7	155.0	149.1	145.3	143.5
130°	302.2	267.0	238.1	215.5	198.4	182.5	169.8	160.8	154.5	150.0	148.2
132.5°	297.9	266.6	241.0	220.2	203.4	188.3	175.6	166.3	159.5	154.7	152.5
135°	291.8	266.1	244.4	226.3	210.6	196.1	183.4	173.0	166.3	160.8	159.0
137.5°	287.6	266.0	247.5	231.0	216.3	202.0	190.3	180.0	172.8	167.3	165.2
140°	285.1	265.6	248.9	233.5	219.6	206.0	194.2	184.3	177.1	171.7	169.8
142.5°	282.6	265.6	250.0	235.8	222.1	208.9	197.9	188.3	181.1	176.0	174.6
145°	279.2	264.7	251.2	238.5	225.9	213.7	203.7	194.7	187.9	183.4	181.6
147.5°	275.8	263.1	251.5	240.1	228.9	217.5	208.7	201.1	194.9	190.5	189.2
150°	272.9	262.1	251.2	240.8	230.4	220.0	211.9	205.1	199.2	195.6	194.2
152.5°	270.4	260.2	250.5	241.1	231.9	222.5	215.2	208.7	203.6	199.9	199.3
155°	265.6	257.1	249.4	241.7	234.0	226.3	219.6	214.6	209.6	206.9	206.4
157.5°	261.2	253.8	247.3	241.7	235.5	229.0	223.4	219.4	215.1	212.9	212.4
160°	257.9	251.7	246.2	241.7	236.3	230.8	225.9	222.3	218.6	216.8	216.4
162.5°	255.1	249.9	245.1	241.3	236.6	232.0	228.1	224.8	221.9	220.1	220.4
165°	250.3	246.2	243.0	240.3	237.2	233.1	230.4	228.1	225.5	224.5	225.0
167.5°	245.6	243.0	241.0	239.7	237.1	234.1	232.4	230.8	229.0	228.2	228.8
170°	243.0	241.2	239.9	239.0	236.7	234.5	233.1	232.2	230.8	230.4	231.3
172.5°	240.5	239.1	238.4	237.9	236.4	234.8	233.9	233.3	232.0	232.2	232.7
175°	237.2	236.7	236.3	236.7	235.8	234.9	234.5	234.5	233.5	234.0	234.5
177.5°	235.3	234.9	235.3	236.0	235.3	234.9	234.9	234.9	234.2	234.6	235.3
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9





TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-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°	12.0	10.0	9.7	9.3	10.1	10.5	10.7	11.2	11.8	11.2	11.6
90°	1.8	3.6	4.5	5.4	6.8	9.0	12.2	14.9	15.4	14.9	14.4
92.5°	7.9	11.2	13.2	16.2	20.5	30.7	45.1	57.9	58.7	49.6	39.4
95°	17.6	22.1	26.2	33.4	44.3	65.0	104.3	156.8	177.1	155.0	118.4
97.5°	28.2	33.0	39.1	47.5	59.7	85.9	140.6	227.7	302.3	317.1	276.2
100°	36.1	40.2	47.5	56.5	69.2	93.1	148.2	245.7	356.9	421.9	412.5
102.5°	44.1	48.2	55.4	64.8	77.4	99.6	148.5	238.9	358.7	461.0	501.8
105°	57.0	60.0	66.9	76.8	89.4	110.7	150.9	225.5	334.8	455.0	548.9
107.5°	69.6	72.6	78.9	88.7	101.5	122.1	157.1	218.7	309.1	415.3	514.9
110°	78.6	81.4	87.2	96.6	109.8	129.7	162.2	217.3	296.8	390.3	485.7





TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	86.6	89.6	95.1	104.3	117.7	136.9	167.6	217.7	288.8	373.0	458.9
115°	99.4	102.1	107.5	116.5	128.7	148.2	175.7	219.6	280.1	351.5	426.0
117.5°	111.8	114.5	119.3	127.9	140.6	158.6	184.4	222.8	275.8	337.9	401.2
120°	119.7	122.4	126.5	135.5	148.2	165.8	190.2	225.0	273.3	330.7	389.0
122.5°	127.0	129.7	134.1	143.1	156.1	172.7	195.3	227.5	271.9	324.6	379.2
125°	136.9	139.6	145.0	154.1	166.7	183.0	203.3	231.3	269.3	315.8	365.0
127.5°	145.3	149.1	155.0	163.7	176.7	192.6	210.8	235.2	267.8	307.7	351.0
130°	150.0	154.5	160.8	169.8	182.5	198.4	215.5	238.1	267.0	302.2	342.0
132.5°	154.7	159.5	166.3	175.6	188.3	203.4	220.2	241.0	266.6	297.9	333.4
135°	160.8	166.3	173.0	183.4	196.1	210.6	226.3	244.4	266.1	291.8	321.2
137.5°	167.3	172.8	180.0	190.3	202.0	216.3	231.0	247.5	266.0	287.6	311.6
140°	171.7	177.1	184.3	194.2	206.0	219.6	233.5	248.9	265.6	285.1	305.4
142.5°	176.0	181.1	188.3	197.9	208.9	222.1	235.8	250.0	265.6	282.6	300.3
145°	183.4	187.9	194.7	203.7	213.7	225.9	238.5	251.2	264.7	279.2	293.2
147.5°	190.5	194.9	201.1	208.7	217.5	228.9	240.1	251.5	263.1	275.8	287.7
150°	195.6	199.2	205.1	211.9	220.0	230.4	240.8	251.2	262.1	272.9	283.7
152.5°	199.9	203.6	208.7	215.2	222.5	231.9	241.1	250.5	260.2	270.4	279.7
155°	206.9	209.6	214.6	219.6	226.3	234.0	241.7	249.4	257.1	265.6	274.3
157.5°	212.9	215.1	219.4	223.4	229.0	235.5	241.7	247.3	253.8	261.2	267.8
160°	216.8	218.6	222.3	225.9	230.8	236.3	241.7	246.2	251.7	257.9	263.8
162.5°	220.1	221.9	224.8	228.1	232.0	236.6	241.3	245.1	249.9	255.1	259.8
165°	224.5	225.5	228.1	230.4	233.1	237.2	240.3	243.0	246.2	250.3	253.9
167.5°	228.2	229.0	230.8	232.4	234.1	237.1	239.7	241.0	243.0	245.6	248.2
170°	230.4	230.8	232.2	233.1	234.5	236.7	239.0	239.9	241.2	243.0	245.3
172.5°	232.2	232.0	233.3	233.9	234.8	236.4	237.9	238.4	239.1	240.5	242.1
175°	234.0	233.5	234.5	234.5	234.9	235.8	236.7	236.3	236.7	237.2	238.5
177.5°	234.6	234.2	234.9	234.9	234.9	235.3	236.0	235.3	234.9	235.3	236.0
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9	234.9



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-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°	10.9	11.2	11.2	11.2	11.2	11.2	10.8
90°	13.5	14.4	14.9	14.9	14.9	14.9	14.9
92.5°	33.8	30.0	27.2	26.9	25.4	25.7	25.0
95°	90.8	71.9	61.9	56.0	52.4	51.0	51.5
97.5°	226.0	177.1	144.5	122.9	111.8	105.2	101.4
100°	356.5	294.5	239.9	202.4	183.0	169.8	161.8
102.5°	489.1	443.9	385.9	345.2	312.0	295.6	284.6
105°	599.9	605.9	590.9	562.9	534.9	515.5	509.1
107.5°	591.8	638.8	660.7	664.2	662.7	658.8	650.4
110°	566.5	624.3	661.4	680.8	689.4	693.5	693.0



TEST NUMBER: P331743-927

CATALOG NUMBER: SA2XXRDIP-C1005D530U927-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	536.5	598.3	640.8	667.8	682.1	689.8	692.3
115°	495.6	554.8	601.3	633.3	654.2	665.9	669.9
117.5°	462.3	516.0	559.7	592.4	614.3	626.7	630.1
120°	445.0	492.9	534.0	565.6	586.8	599.9	604.4
122.5°	430.6	475.9	513.0	541.4	562.3	573.9	577.7
125°	411.5	451.3	485.2	511.4	528.5	539.9	543.5
127.5°	393.2	430.6	461.9	484.7	500.8	510.6	513.5
130°	380.9	416.5	446.3	468.5	483.9	492.9	496.5
132.5°	369.3	402.1	430.1	451.9	467.2	475.5	478.8
135°	351.0	380.9	406.2	425.6	440.5	448.6	450.4
137.5°	336.5	360.1	382.2	399.9	412.7	419.9	422.6
140°	327.1	347.8	367.7	382.2	394.0	400.7	403.5
142.5°	318.8	336.7	353.3	367.0	377.7	383.7	384.3
145°	308.1	322.1	335.3	346.0	353.7	358.2	359.6
147.5°	299.4	310.4	320.0	328.9	335.0	338.1	338.9
150°	293.7	303.2	311.2	318.1	323.4	326.1	326.6
152.5°	289.0	297.0	304.0	309.3	314.1	316.1	316.2
155°	281.5	288.2	293.2	298.2	301.3	303.2	302.2
157.5°	273.9	279.6	283.4	286.9	289.6	290.4	290.4
160°	268.8	273.8	276.9	280.1	282.3	282.8	282.8
162.5°	264.1	268.4	270.8	273.9	275.5	275.9	275.6
165°	257.1	260.2	262.1	263.8	265.6	265.6	265.2
167.5°	250.6	252.8	254.4	255.2	256.3	256.2	255.6
170°	246.7	248.5	249.4	249.9	251.2	250.7	249.9
172.5°	243.0	244.5	245.0	245.5	246.1	245.7	245.1
175°	239.0	239.5	239.9	239.9	240.3	239.9	239.0
177.5°	236.0	236.4	236.4	236.4	236.4	236.0	235.3
180°	234.9	234.9	234.9	234.9	234.9	234.9	234.9

(END OF REPORT)