

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: P331849-927

Luminaire Tested: **S122RDIW-S1005D710U927-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331849-927  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-2,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S122RDIW-S1005D710U927-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 710 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

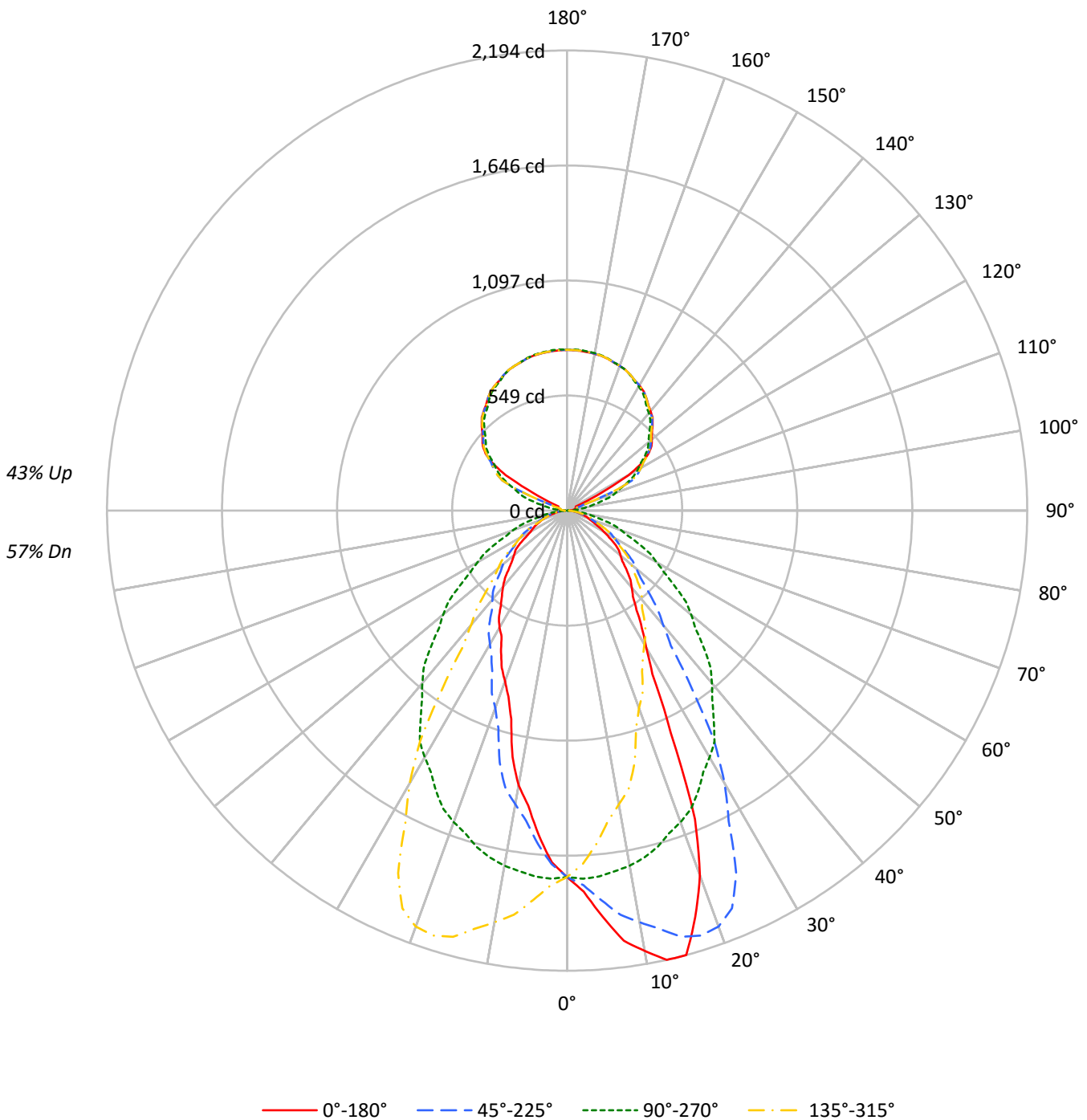
Lumens per Lamp: N/A  
Luminaire Lumens: 5267.3 lumens  
Efficiency: N/A  
Efficacy: 88.1 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 59.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57
1	100	96	93	89	93	90	87	84	78	76	74	67	65	64	57	56	55	50
2	92	85	79	75	86	80	75	70	69	66	62	60	57	55	51	49	48	43
3	85	76	69	63	79	71	65	60	62	58	54	54	51	48	46	44	42	38
4	78	68	60	55	73	64	57	52	56	51	47	49	45	42	42	39	37	34
5	72	61	53	48	67	57	51	45	51	45	41	44	40	37	38	35	33	30
6	67	55	47	42	62	52	45	40	46	41	36	41	36	33	35	32	29	27
7	62	50	43	37	58	48	41	36	42	37	33	37	33	30	33	29	27	24
8	58	46	39	33	54	44	37	32	39	33	29	34	30	27	30	27	24	22
9	54	42	35	30	51	40	34	29	36	31	27	32	28	24	28	25	22	20
10	51	39	32	27	48	37	31	26	33	28	24	30	25	22	26	23	20	19

**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



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CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	165.6	3.1
10°-20°	461.5	8.8
20°-30°	594.7	11.3
30°-40°	565.1	10.7
40°-50°	484.1	9.2
50°-60°	368.7	7.0
60°-70°	233.1	4.4
70°-80°	116.4	2.2
80°-90°	32.2	0.6
90°-100°	25.6	0.5
100°-110°	93.8	1.8
110°-120°	250.6	4.8
120°-130°	413.7	7.9
130°-140°	440.0	8.4
140°-150°	408.9	7.8
150°-160°	328.8	6.2
160°-170°	211.9	4.0
170°-180°	72.9	1.4
0°-30°	1221.8	23.2
0°-40°	1786.9	33.9
0°-60°	2639.7	50.1
0°-90°	3021.3	57.4
90°-120°	369.9	7.0
90°-150°	1632.5	31.0
90°-180°	2246.0	42.6
0°-180°	5267.3	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	1	15	1	15	8
95°	24	36	24	36	24	22
105°	42	169	42	169	42	44
115°	46	319	46	319	46	114
125°	474	451	474	451	474	410
135°	576	558	576	558	576	444
145°	657	647	657	647	657	411
155°	713	713	713	713	713	329
165°	749	751	749	751	749	212
175°	764	768	764	768	764	73
180°	766	766	766	766	766	



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CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**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	11.1	11.1	10.9	10.9	11.2	10.6	10.9	10.3
90°	15.0	14.7	14.5	14.3	14.0	13.5	12.9	12.4	11.7	11.1	10.1
92.5°	15.0	14.8	14.7	14.5	14.4	14.2	13.9	13.5	13.2	12.8	12.4
95°	23.8	24.0	24.1	24.2	24.3	24.1	23.4	22.9	22.3	21.6	20.8
97.5°	31.8	31.7	31.5	31.4	31.2	30.9	30.4	29.9	29.5	28.9	26.9
100°	37.2	36.9	36.7	36.4	36.2	35.6	34.5	33.6	32.6	31.6	29.5
102.5°	39.8	39.5	39.1	38.8	38.4	37.6	36.4	35.1	33.7	32.5	50.0
105°	42.1	41.7	41.2	40.6	40.2	39.2	37.9	36.5	35.2	33.8	67.5
107.5°	43.3	42.9	42.4	41.9	41.4	41.8	43.3	44.6	45.9	47.4	87.7
110°	43.8	43.3	42.9	42.3	41.8	47.8	60.0	72.4	84.8	97.0	132.7



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	44.3	43.9	43.5	43.1	42.7	65.0	110.0	154.9	199.9	244.8	253.6
115°	45.5	54.3	63.2	72.1	81.0	113.9	171.0	228.1	285.1	342.1	339.1
117.5°	185.7	214.8	244.0	273.1	302.3	323.8	337.5	351.4	365.2	379.0	376.8
120°	338.3	354.9	371.5	388.2	404.8	412.4	410.9	409.5	408.0	406.5	404.3
122.5°	422.2	425.4	428.6	431.8	435.1	436.3	435.3	434.4	433.6	432.7	430.2
125°	474.1	473.8	473.4	473.0	472.7	472.1	471.2	470.3	469.4	468.6	466.3
127.5°	507.0	506.9	506.8	506.8	506.7	506.0	504.8	503.5	502.2	501.0	499.2
130°	527.4	527.5	527.7	527.8	527.9	527.3	525.9	524.6	523.2	521.9	520.5
132.5°	547.4	547.5	547.6	547.7	547.9	547.3	546.2	545.0	543.8	542.7	541.4
135°	576.2	576.5	576.7	576.9	577.2	576.7	575.4	574.3	573.0	571.8	570.7
137.5°	602.5	602.9	603.3	603.7	604.2	603.8	602.5	601.3	600.2	599.0	597.7
140°	618.9	619.5	620.1	620.8	621.4	621.2	620.0	618.9	617.8	616.7	615.3
142.5°	634.9	635.5	636.1	636.8	637.3	637.2	636.1	635.1	634.1	633.1	631.5
145°	657.2	657.7	658.4	659.0	659.7	659.5	658.6	657.7	657.0	656.1	653.9
147.5°	676.8	677.3	677.9	678.3	678.9	678.8	678.2	677.6	676.9	676.2	674.1
150°	688.8	689.4	690.0	690.6	691.3	691.2	690.5	689.7	689.0	688.2	686.3
152.5°	698.9	699.8	700.6	701.4	702.3	702.3	701.6	700.8	700.1	699.3	697.4
155°	713.2	714.2	715.2	716.1	717.1	717.2	716.5	715.7	715.0	714.3	712.8
157.5°	726.1	727.1	728.1	729.0	730.0	730.1	729.2	728.4	727.5	726.7	725.6
160°	733.7	734.6	735.4	736.3	737.1	737.2	736.5	735.7	735.0	734.3	733.5
162.5°	739.9	740.9	742.0	743.1	744.2	744.3	743.4	742.6	741.7	740.9	740.3
165°	749.2	750.1	751.0	751.8	752.7	752.7	751.8	751.0	750.1	749.2	748.8
167.5°	755.1	756.2	757.3	758.4	759.5	759.6	758.8	758.0	757.1	756.2	755.9
170°	758.7	759.8	760.9	762.0	763.1	763.2	762.3	761.5	760.7	759.8	759.5
172.5°	761.3	762.4	763.5	764.6	765.7	765.9	765.0	764.1	763.3	762.4	762.2
175°	763.7	764.9	766.1	767.3	768.6	768.7	767.9	767.1	766.2	765.3	765.1
177.5°	765.1	766.0	766.8	767.8	768.7	768.7	768.0	767.4	766.7	766.0	765.9
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**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°	10.1	10.4	10.1	9.4	9.7	9.9	12.0	14.2	12.5	11.3	10.6
90°	9.1	8.2	7.1	5.9	4.6	3.2	1.9	0.6	1.9	3.2	4.6
92.5°	11.9	11.4	10.9	10.7	10.9	10.9	11.1	11.2	11.1	10.9	10.9
95°	19.9	19.0	18.1	19.8	23.8	27.9	32.0	36.0	32.0	27.9	23.8
97.5°	25.0	23.0	21.0	25.7	37.2	48.6	60.0	71.5	60.0	48.6	37.2
100°	27.4	25.3	23.2	30.7	47.5	64.4	81.3	98.2	81.3	64.4	47.5
102.5°	67.6	85.1	102.6	113.1	116.7	120.3	123.9	127.5	123.9	120.3	116.7
105°	101.1	134.8	168.4	183.4	179.7	176.0	172.3	168.6	172.3	176.0	179.7
107.5°	128.1	168.4	208.7	227.4	224.4	221.5	218.5	215.5	218.5	221.5	224.4
110°	168.3	203.9	239.5	256.0	253.4	250.9	248.3	245.7	248.3	250.9	253.4





TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	262.4	271.2	280.0	283.2	280.9	278.7	276.4	274.1	276.4	278.7	280.9
115°	336.0	333.0	329.9	327.3	325.2	323.1	321.0	318.9	321.0	323.1	325.2
117.5°	374.8	372.6	370.5	368.3	365.9	363.6	361.2	358.9	361.2	363.6	365.9
120°	402.0	399.8	397.6	395.6	393.7	391.9	390.1	388.2	390.1	391.9	393.7
122.5°	427.9	425.4	423.0	420.8	418.9	416.9	415.0	413.0	415.0	416.9	418.9
125°	463.9	461.6	459.2	457.2	455.7	454.1	452.5	450.8	452.5	454.1	455.7
127.5°	497.5	495.7	494.0	492.3	490.4	488.7	486.9	485.1	486.9	488.7	490.4
130°	519.1	517.8	516.4	514.8	512.8	510.8	508.8	506.8	508.8	510.8	512.8
132.5°	540.0	538.6	537.3	535.8	534.1	532.4	530.8	529.1	530.8	532.4	534.1
135°	569.6	568.5	567.4	565.8	563.8	561.8	559.8	557.9	559.8	561.8	563.8
137.5°	596.4	595.2	593.9	592.6	591.2	589.9	588.4	587.1	588.4	589.9	591.2
140°	613.9	612.6	611.2	610.1	609.1	608.1	607.1	606.2	607.1	608.1	609.1
142.5°	630.0	628.4	626.9	625.7	624.8	623.9	623.0	622.1	623.0	623.9	624.8
145°	651.9	649.7	647.7	646.7	646.8	647.0	647.1	647.2	647.1	647.0	646.8
147.5°	672.1	670.0	668.0	667.2	667.7	668.1	668.6	669.0	668.6	668.1	667.7
150°	684.3	682.3	680.3	679.8	680.6	681.5	682.4	683.3	682.4	681.5	680.6
152.5°	695.5	693.7	691.8	691.3	692.3	693.3	694.3	695.2	694.3	693.3	692.3
155°	711.3	709.9	708.4	708.2	709.3	710.4	711.5	712.6	711.5	710.4	709.3
157.5°	724.6	723.6	722.5	722.5	723.4	724.4	725.3	726.3	725.3	724.4	723.4
160°	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3	733.5	732.8	732.1
162.5°	739.7	738.9	738.3	738.4	739.1	739.9	740.6	741.3	740.6	739.9	739.1
165°	748.5	748.1	747.7	747.9	748.7	749.4	750.1	750.9	750.1	749.4	748.7
167.5°	755.5	755.2	754.9	755.0	755.7	756.5	757.2	758.0	757.2	756.5	755.7
170°	759.3	759.0	758.8	759.0	759.8	760.5	761.2	762.0	761.2	760.5	759.8
172.5°	761.9	761.7	761.4	761.7	762.4	763.2	763.9	764.6	763.9	763.2	762.4
175°	764.9	764.5	764.3	764.6	765.5	766.4	767.2	768.1	767.2	766.4	765.5
177.5°	765.8	765.6	765.6	765.9	766.6	767.2	767.9	768.7	767.9	767.2	766.6
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**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°	10.5	10.1	9.4	9.6	9.8	9.5	9.7	9.3	9.3	9.5	9.1
90°	5.9	7.1	8.2	9.1	10.1	11.1	11.7	12.4	12.9	13.5	14.0
92.5°	10.7	10.9	11.4	11.9	12.4	12.8	13.2	13.5	13.9	14.2	14.4
95°	19.8	18.1	19.0	19.9	20.8	21.6	22.3	22.9	23.4	24.1	24.3
97.5°	25.7	21.0	23.0	25.0	26.9	28.9	29.5	29.9	30.4	30.9	31.2
100°	30.7	23.2	25.3	27.4	29.5	31.6	32.6	33.6	34.5	35.6	36.2
102.5°	113.1	102.6	85.1	67.6	50.0	32.5	33.7	35.1	36.4	37.6	38.4
105°	183.4	168.4	134.8	101.1	67.5	33.8	35.2	36.5	37.9	39.2	40.2
107.5°	227.4	208.7	168.4	128.1	87.7	47.4	45.9	44.6	43.3	41.8	41.4
110°	256.0	239.5	203.9	168.3	132.7	97.0	84.8	72.4	60.0	47.8	41.8



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	283.2	280.0	271.2	262.4	253.6	244.8	199.9	154.9	110.0	65.0	42.7
115°	327.3	329.9	333.0	336.0	339.1	342.1	285.1	228.1	171.0	113.9	81.0
117.5°	368.3	370.5	372.6	374.8	376.8	379.0	365.2	351.4	337.5	323.8	302.3
120°	395.6	397.6	399.8	402.0	404.3	406.5	408.0	409.5	410.9	412.4	404.8
122.5°	420.8	423.0	425.4	427.9	430.2	432.7	433.6	434.4	435.3	436.3	435.1
125°	457.2	459.2	461.6	463.9	466.3	468.6	469.4	470.3	471.2	472.1	472.7
127.5°	492.3	494.0	495.7	497.5	499.2	501.0	502.2	503.5	504.8	506.0	506.7
130°	514.8	516.4	517.8	519.1	520.5	521.9	523.2	524.6	525.9	527.3	527.9
132.5°	535.8	537.3	538.6	540.0	541.4	542.7	543.8	545.0	546.2	547.3	547.9
135°	565.8	567.4	568.5	569.6	570.7	571.8	573.0	574.3	575.4	576.7	577.2
137.5°	592.6	593.9	595.2	596.4	597.7	599.0	600.2	601.3	602.5	603.8	604.2
140°	610.1	611.2	612.6	613.9	615.3	616.7	617.8	618.9	620.0	621.2	621.4
142.5°	625.7	626.9	628.4	630.0	631.5	633.1	634.1	635.1	636.1	637.2	637.3
145°	646.7	647.7	649.7	651.9	653.9	656.1	657.0	657.7	658.6	659.5	659.7
147.5°	667.2	668.0	670.0	672.1	674.1	676.2	676.9	677.6	678.2	678.8	678.9
150°	679.8	680.3	682.3	684.3	686.3	688.2	689.0	689.7	690.5	691.2	691.3
152.5°	691.3	691.8	693.7	695.5	697.4	699.3	700.1	700.8	701.6	702.3	702.3
155°	708.2	708.4	709.9	711.3	712.8	714.3	715.0	715.7	716.5	717.2	717.1
157.5°	722.5	722.5	723.6	724.6	725.6	726.7	727.5	728.4	729.2	730.1	730.0
160°	731.3	731.3	732.1	732.8	733.5	734.3	735.0	735.7	736.5	737.2	737.1
162.5°	738.4	738.3	738.9	739.7	740.3	740.9	741.7	742.6	743.4	744.3	744.2
165°	747.9	747.7	748.1	748.5	748.8	749.2	750.1	751.0	751.8	752.7	752.7
167.5°	755.0	754.9	755.2	755.5	755.9	756.2	757.1	758.0	758.8	759.6	759.5
170°	759.0	758.8	759.0	759.3	759.5	759.8	760.7	761.5	762.3	763.2	763.1
172.5°	761.7	761.4	761.7	761.9	762.2	762.4	763.3	764.1	765.0	765.9	765.7
175°	764.6	764.3	764.5	764.9	765.1	765.3	766.2	767.1	767.9	768.7	768.6
177.5°	765.9	765.6	765.6	765.8	765.9	766.0	766.7	767.4	768.0	768.7	768.7
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**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°	9.2	8.7	9.3	8.8	9.3	8.7	9.2	9.1	9.5	9.3	9.3
90°	14.3	14.5	14.7	15.0	14.7	14.5	14.3	14.0	13.5	12.9	12.4
92.5°	14.5	14.7	14.8	15.0	14.8	14.7	14.5	14.4	14.2	13.9	13.5
95°	24.2	24.1	24.0	23.8	24.0	24.1	24.2	24.3	24.1	23.4	22.9
97.5°	31.4	31.5	31.7	31.8	31.7	31.5	31.4	31.2	30.9	30.4	29.9
100°	36.4	36.7	36.9	37.2	36.9	36.7	36.4	36.2	35.6	34.5	33.6
102.5°	38.8	39.1	39.5	39.8	39.5	39.1	38.8	38.4	37.6	36.4	35.1
105°	40.6	41.2	41.7	42.1	41.7	41.2	40.6	40.2	39.2	37.9	36.5
107.5°	41.9	42.4	42.9	43.3	42.9	42.4	41.9	41.4	41.8	43.3	44.6
110°	42.3	42.9	43.3	43.8	43.3	42.9	42.3	41.8	47.8	60.0	72.4



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	43.1	43.5	43.9	44.3	43.9	43.5	43.1	42.7	65.0	110.0	154.9
115°	72.1	63.2	54.3	45.5	54.3	63.2	72.1	81.0	113.9	171.0	228.1
117.5°	273.1	244.0	214.8	185.7	214.8	244.0	273.1	302.3	323.8	337.5	351.4
120°	388.2	371.5	354.9	338.3	354.9	371.5	388.2	404.8	412.4	410.9	409.5
122.5°	431.8	428.6	425.4	422.2	425.4	428.6	431.8	435.1	436.3	435.3	434.4
125°	473.0	473.4	473.8	474.1	473.8	473.4	473.0	472.7	472.1	471.2	470.3
127.5°	506.8	506.8	506.9	507.0	506.9	506.8	506.8	506.7	506.0	504.8	503.5
130°	527.8	527.7	527.5	527.4	527.5	527.7	527.8	527.9	527.3	525.9	524.6
132.5°	547.7	547.6	547.5	547.4	547.5	547.6	547.7	547.9	547.3	546.2	545.0
135°	576.9	576.7	576.5	576.2	576.5	576.7	576.9	577.2	576.7	575.4	574.3
137.5°	603.7	603.3	602.9	602.5	602.9	603.3	603.7	604.2	603.8	602.5	601.3
140°	620.8	620.1	619.5	618.9	619.5	620.1	620.8	621.4	621.2	620.0	618.9
142.5°	636.8	636.1	635.5	634.9	635.5	636.1	636.8	637.3	637.2	636.1	635.1
145°	659.0	658.4	657.7	657.2	657.7	658.4	659.0	659.7	659.5	658.6	657.7
147.5°	678.3	677.9	677.3	676.8	677.3	677.9	678.3	678.9	678.8	678.2	677.6
150°	690.6	690.0	689.4	688.8	689.4	690.0	690.6	691.3	691.2	690.5	689.7
152.5°	701.4	700.6	699.8	698.9	699.8	700.6	701.4	702.3	702.3	701.6	700.8
155°	716.1	715.2	714.2	713.2	714.2	715.2	716.1	717.1	717.2	716.5	715.7
157.5°	729.0	728.1	727.1	726.1	727.1	728.1	729.0	730.0	730.1	729.2	728.4
160°	736.3	735.4	734.6	733.7	734.6	735.4	736.3	737.1	737.2	736.5	735.7
162.5°	743.1	742.0	740.9	739.9	740.9	742.0	743.1	744.2	744.3	743.4	742.6
165°	751.8	751.0	750.1	749.2	750.1	751.0	751.8	752.7	752.7	751.8	751.0
167.5°	758.4	757.3	756.2	755.1	756.2	757.3	758.4	759.5	759.6	758.8	758.0
170°	762.0	760.9	759.8	758.7	759.8	760.9	762.0	763.1	763.2	762.3	761.5
172.5°	764.6	763.5	762.4	761.3	762.4	763.5	764.6	765.7	765.9	765.0	764.1
175°	767.3	766.1	764.9	763.7	764.9	766.1	767.3	768.6	768.7	767.9	767.1
177.5°	767.8	766.8	766.0	765.1	766.0	766.8	767.8	768.7	768.7	768.0	767.4
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**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°	9.7	9.5	9.8	9.6	9.4	10.1	10.5	10.6	11.3	12.5	14.2
90°	11.7	11.1	10.1	9.1	8.2	7.1	5.9	4.6	3.2	1.9	0.6
92.5°	13.2	12.8	12.4	11.9	11.4	10.9	10.7	10.9	10.9	11.1	11.2
95°	22.3	21.6	20.8	19.9	19.0	18.1	19.8	23.8	27.9	32.0	36.0
97.5°	29.5	28.9	26.9	25.0	23.0	21.0	25.7	37.2	48.6	60.0	71.5
100°	32.6	31.6	29.5	27.4	25.3	23.2	30.7	47.5	64.4	81.3	98.2
102.5°	33.7	32.5	50.0	67.6	85.1	102.6	113.1	116.7	120.3	123.9	127.5
105°	35.2	33.8	67.5	101.1	134.8	168.4	183.4	179.7	176.0	172.3	168.6
107.5°	45.9	47.4	87.7	128.1	168.4	208.7	227.4	224.4	221.5	218.5	215.5
110°	84.8	97.0	132.7	168.3	203.9	239.5	256.0	253.4	250.9	248.3	245.7



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	199.9	244.8	253.6	262.4	271.2	280.0	283.2	280.9	278.7	276.4	274.1
115°	285.1	342.1	339.1	336.0	333.0	329.9	327.3	325.2	323.1	321.0	318.9
117.5°	365.2	379.0	376.8	374.8	372.6	370.5	368.3	365.9	363.6	361.2	358.9
120°	408.0	406.5	404.3	402.0	399.8	397.6	395.6	393.7	391.9	390.1	388.2
122.5°	433.6	432.7	430.2	427.9	425.4	423.0	420.8	418.9	416.9	415.0	413.0
125°	469.4	468.6	466.3	463.9	461.6	459.2	457.2	455.7	454.1	452.5	450.8
127.5°	502.2	501.0	499.2	497.5	495.7	494.0	492.3	490.4	488.7	486.9	485.1
130°	523.2	521.9	520.5	519.1	517.8	516.4	514.8	512.8	510.8	508.8	506.8
132.5°	543.8	542.7	541.4	540.0	538.6	537.3	535.8	534.1	532.4	530.8	529.1
135°	573.0	571.8	570.7	569.6	568.5	567.4	565.8	563.8	561.8	559.8	557.9
137.5°	600.2	599.0	597.7	596.4	595.2	593.9	592.6	591.2	589.9	588.4	587.1
140°	617.8	616.7	615.3	613.9	612.6	611.2	610.1	609.1	608.1	607.1	606.2
142.5°	634.1	633.1	631.5	630.0	628.4	626.9	625.7	624.8	623.9	623.0	622.1
145°	657.0	656.1	653.9	651.9	649.7	647.7	646.7	646.8	647.0	647.1	647.2
147.5°	676.9	676.2	674.1	672.1	670.0	668.0	667.2	667.7	668.1	668.6	669.0
150°	689.0	688.2	686.3	684.3	682.3	680.3	679.8	680.6	681.5	682.4	683.3
152.5°	700.1	699.3	697.4	695.5	693.7	691.8	691.3	692.3	693.3	694.3	695.2
155°	715.0	714.3	712.8	711.3	709.9	708.4	708.2	709.3	710.4	711.5	712.6
157.5°	727.5	726.7	725.6	724.6	723.6	722.5	722.5	723.4	724.4	725.3	726.3
160°	735.0	734.3	733.5	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3
162.5°	741.7	740.9	740.3	739.7	738.9	738.3	738.4	739.1	739.9	740.6	741.3
165°	750.1	749.2	748.8	748.5	748.1	747.7	747.9	748.7	749.4	750.1	750.9
167.5°	757.1	756.2	755.9	755.5	755.2	754.9	755.0	755.7	756.5	757.2	758.0
170°	760.7	759.8	759.5	759.3	759.0	758.8	759.0	759.8	760.5	761.2	762.0
172.5°	763.3	762.4	762.2	761.9	761.7	761.4	761.7	762.4	763.2	763.9	764.6
175°	766.2	765.3	765.1	764.9	764.5	764.3	764.6	765.5	766.4	767.2	768.1
177.5°	766.7	766.0	765.9	765.8	765.6	765.6	765.9	766.6	767.2	767.9	768.7
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**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	9.9	9.7	9.4	10.1	10.4	10.1	10.3	10.9	10.6	11.2
90°	1.9	3.2	4.6	5.9	7.1	8.2	9.1	10.1	11.1	11.7	12.4
92.5°	11.1	10.9	10.9	10.7	10.9	11.4	11.9	12.4	12.8	13.2	13.5
95°	32.0	27.9	23.8	19.8	18.1	19.0	19.9	20.8	21.6	22.3	22.9
97.5°	60.0	48.6	37.2	25.7	21.0	23.0	25.0	26.9	28.9	29.5	29.9
100°	81.3	64.4	47.5	30.7	23.2	25.3	27.4	29.5	31.6	32.6	33.6
102.5°	123.9	120.3	116.7	113.1	102.6	85.1	67.6	50.0	32.5	33.7	35.1
105°	172.3	176.0	179.7	183.4	168.4	134.8	101.1	67.5	33.8	35.2	36.5
107.5°	218.5	221.5	224.4	227.4	208.7	168.4	128.1	87.7	47.4	45.9	44.6
110°	248.3	250.9	253.4	256.0	239.5	203.9	168.3	132.7	97.0	84.8	72.4





TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	276.4	278.7	280.9	283.2	280.0	271.2	262.4	253.6	244.8	199.9	154.9
115°	321.0	323.1	325.2	327.3	329.9	333.0	336.0	339.1	342.1	285.1	228.1
117.5°	361.2	363.6	365.9	368.3	370.5	372.6	374.8	376.8	379.0	365.2	351.4
120°	390.1	391.9	393.7	395.6	397.6	399.8	402.0	404.3	406.5	408.0	409.5
122.5°	415.0	416.9	418.9	420.8	423.0	425.4	427.9	430.2	432.7	433.6	434.4
125°	452.5	454.1	455.7	457.2	459.2	461.6	463.9	466.3	468.6	469.4	470.3
127.5°	486.9	488.7	490.4	492.3	494.0	495.7	497.5	499.2	501.0	502.2	503.5
130°	508.8	510.8	512.8	514.8	516.4	517.8	519.1	520.5	521.9	523.2	524.6
132.5°	530.8	532.4	534.1	535.8	537.3	538.6	540.0	541.4	542.7	543.8	545.0
135°	559.8	561.8	563.8	565.8	567.4	568.5	569.6	570.7	571.8	573.0	574.3
137.5°	588.4	589.9	591.2	592.6	593.9	595.2	596.4	597.7	599.0	600.2	601.3
140°	607.1	608.1	609.1	610.1	611.2	612.6	613.9	615.3	616.7	617.8	618.9
142.5°	623.0	623.9	624.8	625.7	626.9	628.4	630.0	631.5	633.1	634.1	635.1
145°	647.1	647.0	646.8	646.7	647.7	649.7	651.9	653.9	656.1	657.0	657.7
147.5°	668.6	668.1	667.7	667.2	668.0	670.0	672.1	674.1	676.2	676.9	677.6
150°	682.4	681.5	680.6	679.8	680.3	682.3	684.3	686.3	688.2	689.0	689.7
152.5°	694.3	693.3	692.3	691.3	691.8	693.7	695.5	697.4	699.3	700.1	700.8
155°	711.5	710.4	709.3	708.2	708.4	709.9	711.3	712.8	714.3	715.0	715.7
157.5°	725.3	724.4	723.4	722.5	722.5	723.6	724.6	725.6	726.7	727.5	728.4
160°	733.5	732.8	732.1	731.3	731.3	732.1	732.8	733.5	734.3	735.0	735.7
162.5°	740.6	739.9	739.1	738.4	738.3	738.9	739.7	740.3	740.9	741.7	742.6
165°	750.1	749.4	748.7	747.9	747.7	748.1	748.5	748.8	749.2	750.1	751.0
167.5°	757.2	756.5	755.7	755.0	754.9	755.2	755.5	755.9	756.2	757.1	758.0
170°	761.2	760.5	759.8	759.0	758.8	759.0	759.3	759.5	759.8	760.7	761.5
172.5°	763.9	763.2	762.4	761.7	761.4	761.7	761.9	762.2	762.4	763.3	764.1
175°	767.2	766.4	765.5	764.6	764.3	764.5	764.9	765.1	765.3	766.2	767.1
177.5°	767.9	767.2	766.6	765.9	765.6	765.6	765.8	765.9	766.0	766.7	767.4
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**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	10.9	11.1	11.1	11.2	11.2	10.8
90°	12.9	13.5	14.0	14.3	14.5	14.7	15.0
92.5°	13.9	14.2	14.4	14.5	14.7	14.8	15.0
95°	23.4	24.1	24.3	24.2	24.1	24.0	23.8
97.5°	30.4	30.9	31.2	31.4	31.5	31.7	31.8
100°	34.5	35.6	36.2	36.4	36.7	36.9	37.2
102.5°	36.4	37.6	38.4	38.8	39.1	39.5	39.8
105°	37.9	39.2	40.2	40.6	41.2	41.7	42.1
107.5°	43.3	41.8	41.4	41.9	42.4	42.9	43.3
110°	60.0	47.8	41.8	42.3	42.9	43.3	43.8



TEST NUMBER: P331849-927

CATALOG NUMBER: S122RDIW-S1005D710U927-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	110.0	65.0	42.7	43.1	43.5	43.9	44.3
115°	171.0	113.9	81.0	72.1	63.2	54.3	45.5
117.5°	337.5	323.8	302.3	273.1	244.0	214.8	185.7
120°	410.9	412.4	404.8	388.2	371.5	354.9	338.3
122.5°	435.3	436.3	435.1	431.8	428.6	425.4	422.2
125°	471.2	472.1	472.7	473.0	473.4	473.8	474.1
127.5°	504.8	506.0	506.7	506.8	506.8	506.9	507.0
130°	525.9	527.3	527.9	527.8	527.7	527.5	527.4
132.5°	546.2	547.3	547.9	547.7	547.6	547.5	547.4
135°	575.4	576.7	577.2	576.9	576.7	576.5	576.2
137.5°	602.5	603.8	604.2	603.7	603.3	602.9	602.5
140°	620.0	621.2	621.4	620.8	620.1	619.5	618.9
142.5°	636.1	637.2	637.3	636.8	636.1	635.5	634.9
145°	658.6	659.5	659.7	659.0	658.4	657.7	657.2
147.5°	678.2	678.8	678.9	678.3	677.9	677.3	676.8
150°	690.5	691.2	691.3	690.6	690.0	689.4	688.8
152.5°	701.6	702.3	702.3	701.4	700.6	699.8	698.9
155°	716.5	717.2	717.1	716.1	715.2	714.2	713.2
157.5°	729.2	730.1	730.0	729.0	728.1	727.1	726.1
160°	736.5	737.2	737.1	736.3	735.4	734.6	733.7
162.5°	743.4	744.3	744.2	743.1	742.0	740.9	739.9
165°	751.8	752.7	752.7	751.8	751.0	750.1	749.2
167.5°	758.8	759.6	759.5	758.4	757.3	756.2	755.1
170°	762.3	763.2	763.1	762.0	760.9	759.8	758.7
172.5°	765.0	765.9	765.7	764.6	763.5	762.4	761.3
175°	767.9	768.7	768.6	767.3	766.1	764.9	763.7
177.5°	768.0	768.7	768.7	767.8	766.8	766.0	765.1
180°	766.4	766.4	766.4	766.4	766.4	766.4	766.4

(END OF REPORT)