

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: P331829-830

Luminaire Tested: **S122RDIW-S865D710U830-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331829-830  
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-S865D710U830-4F0-1E-UDD-A  
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 865 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 710 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

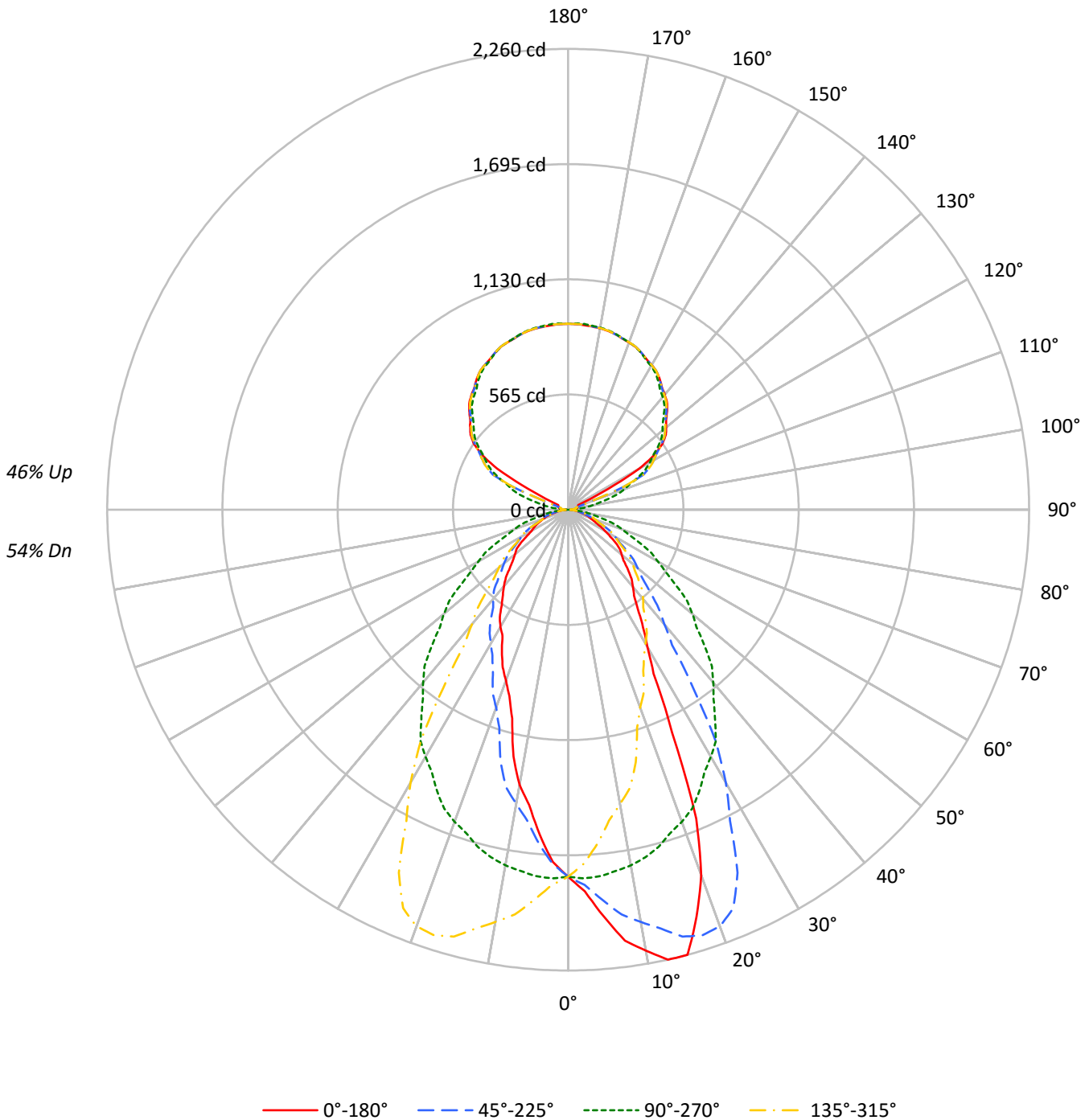
Lumens per Lamp: N/A  
Luminaire Lumens: 5785.1 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 53.6  
Input Voltage (V): 120  
Input Current (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	50	30	10	50	30	10	0		
RCR																										
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54	54	54	47	47	47	41		
1	99	95	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52	47	47	47	41	41	41	36		
2	91	84	79	74	85	79	74	69	68	64	61	58	55	53	49	47	45	41	41	41	36	36	36	31		
3	84	75	68	63	78	70	64	59	61	56	52	52	49	46	44	42	39	36	36	36	31	31	31	28		
4	77	67	60	54	72	63	56	51	55	49	45	47	43	40	40	37	35	31	31	31	28	28	28	25		
5	71	60	53	47	66	56	50	45	49	44	40	43	39	35	36	33	31	28	28	28	25	25	25	23		
6	66	55	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28	25	25	25	23	23	23	21		
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23	23	23	21	21	21	19		
8	57	45	38	33	53	43	36	31	38	32	29	33	29	26	29	25	23	21	21	21	19	19	19	17		
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21	19	19	19	17	17	17	15		
10	50	38	32	27	47	36	30	26	32	27	24	29	24	21	25	22	19	17	17	17	15	15	15	13		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	29061	29061	29061	29061
5°	32456	29242	25929	29242
10°	36008	29037	22474	29037
15°	37778	28612	17708	28612
20°	32752	27981	15323	27981
25°	21480	27118	13682	27118
30°	14458	26071	12381	26071
35°	11710	24750	11168	24750
40°	10414	23317	10334	23317
45°	9423	21633	9225	21633
50°	8578	19964	8545	19964
55°	8062	18117	7958	18117
60°	6746	16417	6665	16417
65°	5685	14907	6449	14907
70°	5254	13312	6080	13312
75°	4916	11591	5614	11591
80°	4537	9530	5002	9530
85°	4168	7521	4409	7521



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.6	2.9
10°-20°	475.4	8.2
20°-30°	612.6	10.6
30°-40°	582.2	10.1
40°-50°	498.7	8.6
50°-60°	379.8	6.6
60°-70°	240.1	4.2
70°-80°	119.9	2.1
80°-90°	33.5	0.6
90°-100°	30.4	0.5
100°-110°	111.6	1.9
110°-120°	298.2	5.2
120°-130°	492.2	8.5
130°-140°	523.5	9.0
140°-150°	486.5	8.4
150°-160°	391.2	6.8
160°-170°	252.1	4.4
170°-180°	86.8	1.5
0°-30°	1258.6	21.8
0°-40°	1840.8	31.8
0°-60°	2719.4	47.0
0°-90°	3112.8	53.8
90°-120°	440.1	7.6
90°-150°	1942.3	33.6
90°-180°	2672.0	46.2
0°-180°	5785.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1800	1800	1800	1800	1800	
5°	2002	1804	1600	1804	2002	198
15°	2260	1712	1059	1712	2260	610
25°	1206	1522	768	1522	1206	572
35°	594	1256	567	1256	594	380
45°	413	947	404	947	413	319
55°	286	644	283	644	286	251
65°	149	390	169	390	149	152
75°	79	186	90	186	79	84
85°	22	41	24	41	22	25
90°	18	1	18	1	18	9
95°	28	43	28	43	28	26
105°	50	201	50	201	50	52
115°	54	379	54	379	54	136
125°	564	536	564	536	564	488
135°	686	664	686	664	686	528
145°	782	770	782	770	782	489
155°	849	848	849	848	849	392
165°	892	893	892	893	892	252
175°	909	914	909	914	909	87
180°	912	912	912	912	912	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1872.9	1874.4	1875.9	1872.4	1872.4	1869.4	1862.9	1857.9	1843.9	1841.9	1841.9
5°	2002.5	2001.2	2003.8	1995.6	1984.3	1981.9	1970.0	1954.4	1938.1	1920.0	1916.2
7.5°	2131.3	2129.4	2124.4	2123.1	2114.4	2095.6	2076.4	2056.1	2029.0	2002.6	1989.3
10°	2196.3	2217.0	2204.5	2182.6	2187.0	2157.6	2141.9	2115.1	2092.5	2053.1	2044.4
12.5°	2260.4	2268.5	2264.6	2252.1	2246.6	2226.1	2205.0	2181.6	2140.0	2104.7	2073.9
15°	2260.1	2272.0	2275.1	2271.4	2274.5	2273.3	2262.0	2242.6	2206.4	2167.6	2133.8
17.5°	2093.3	2101.6	2122.0	2135.9	2153.4	2190.5	2208.8	2215.8	2210.5	2188.3	2164.5
20°	1906.2	1892.4	1949.9	1979.3	2004.3	2066.9	2120.7	2141.4	2174.4	2173.9	2167.6
22.5°	1641.0	1644.3	1698.8	1733.7	1806.8	1869.3	1930.6	2008.3	2072.4	2114.8	2139.6
25°	1205.7	1229.5	1283.9	1331.4	1412.8	1529.1	1634.7	1757.4	1873.0	1964.4	2051.3
27.5°	905.6	907.3	950.5	994.4	1042.6	1137.9	1271.0	1417.4	1582.3	1718.4	1875.0
30°	775.5	771.8	789.9	816.7	858.0	931.8	1031.9	1175.7	1340.2	1545.3	1728.0
32.5°	683.4	683.6	697.3	717.2	751.5	801.3	869.8	986.7	1142.1	1343.7	1557.8
35°	594.1	593.5	603.5	617.8	632.3	664.1	711.1	772.3	879.3	1067.5	1286.4
37.5°	530.1	532.8	537.7	546.7	562.6	580.3	608.5	649.7	725.9	837.2	1021.2
40°	494.1	495.3	502.2	509.7	519.1	532.8	556.0	589.1	644.8	733.6	868.0
42.5°	461.0	462.3	467.1	474.2	481.5	495.3	514.4	543.1	588.2	657.5	768.5
45°	412.7	412.7	417.2	420.3	428.4	440.9	456.6	480.3	511.5	562.9	636.7
47.5°	367.5	367.6	370.5	375.9	381.0	390.8	406.1	425.6	448.3	488.0	551.0
50°	341.5	342.0	343.9	348.4	351.5	360.2	372.1	389.0	412.7	443.4	496.0
52.5°	320.5	320.1	322.4	324.3	326.5	332.7	341.6	356.5	377.8	404.4	447.9
55°	286.4	283.9	287.7	290.8	292.7	295.2	300.2	309.5	327.7	350.2	382.8
57.5°	243.9	242.9	245.5	248.4	254.3	261.0	265.3	271.3	280.7	296.8	329.0
60°	208.9	208.9	214.5	216.4	223.3	232.1	240.8	245.8	255.1	265.8	289.5
62.5°	177.9	178.3	181.0	182.9	186.7	197.5	209.7	220.7	229.6	239.8	255.5
65°	148.8	150.1	150.1	151.4	153.8	156.4	161.4	170.1	185.8	200.1	212.0
67.5°	126.3	126.7	127.1	128.4	128.9	131.7	133.7	137.6	141.2	154.9	169.6
70°	111.3	113.2	112.5	113.9	114.4	115.6	118.2	120.1	125.7	128.8	137.6
72.5°	97.3	98.7	98.6	99.3	100.9	101.2	103.2	105.1	108.7	111.3	116.0
75°	78.8	78.1	78.8	80.0	80.7	81.3	81.3	83.8	85.7	88.2	91.3
77.5°	60.8	61.5	61.3	61.5	61.5	62.7	62.6	63.6	65.5	66.8	68.3
80°	48.8	49.4	48.8	49.4	50.0	50.6	50.0	50.6	52.5	53.8	53.8
82.5°	37.8	37.9	38.3	38.4	38.5	38.6	39.5	39.7	41.0	40.8	41.3
85°	22.5	21.9	21.9	21.9	22.5	23.1	22.5	22.5	23.1	23.1	23.1
87.5°	11.6	12.0	12.0	11.9	11.9	11.7	11.6	12.0	11.3	11.7	10.9
90°	17.8	17.5	17.2	17.0	16.7	16.1	15.4	14.7	13.9	13.2	12.1
92.5°	17.8	17.6	17.4	17.2	17.2	16.9	16.5	16.1	15.6	15.3	14.7
95°	28.4	28.6	28.7	28.8	28.9	28.7	27.9	27.2	26.5	25.7	24.7
97.5°	37.9	37.7	37.5	37.3	37.1	36.8	36.2	35.6	35.1	34.4	32.0
100°	44.2	43.9	43.6	43.4	43.1	42.3	41.1	40.0	38.7	37.6	35.2
102.5°	47.4	46.9	46.6	46.2	45.7	44.8	43.3	41.8	40.2	38.6	35.5
105°	50.1	49.6	49.0	48.4	47.8	46.7	45.1	43.5	41.8	40.2	38.3
107.5°	51.6	51.0	50.4	49.9	49.3	49.8	51.5	53.1	54.7	56.4	104.3
110°	52.1	51.6	51.0	50.3	49.8	56.8	71.4	86.1	100.9	115.5	157.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	52.7	52.2	51.7	51.3	50.8	77.3	130.8	184.3	237.8	291.2	301.7
115°	54.1	64.7	75.2	85.8	96.3	135.5	203.4	271.4	339.2	407.1	403.4
117.5°	220.9	255.6	290.3	325.0	359.7	385.2	401.6	418.1	434.5	450.9	448.4
120°	402.5	422.3	442.1	461.8	481.6	490.7	488.9	487.2	485.4	483.6	481.0
122.5°	502.3	506.1	509.9	513.8	517.6	519.1	517.9	516.9	515.9	514.8	511.9
125°	564.1	563.7	563.3	562.8	562.4	561.7	560.6	559.6	558.6	557.5	554.8
127.5°	603.2	603.1	603.0	602.9	602.9	602.1	600.6	599.1	597.6	596.1	594.0
130°	627.5	627.6	627.8	627.9	628.1	627.4	625.8	624.2	622.5	620.9	619.3
132.5°	651.3	651.4	651.6	651.7	651.9	651.2	649.9	648.5	647.1	645.7	644.1
135°	685.6	685.9	686.2	686.5	686.7	686.2	684.7	683.2	681.7	680.3	679.0
137.5°	716.8	717.4	717.8	718.3	718.9	718.4	716.9	715.5	714.1	712.7	711.1
140°	736.4	737.1	737.8	738.6	739.3	739.0	737.7	736.4	735.1	733.8	732.1
142.5°	755.4	756.1	756.9	757.6	758.3	758.1	756.9	755.6	754.5	753.3	751.4
145°	781.9	782.6	783.3	784.1	784.9	784.7	783.6	782.6	781.7	780.6	778.1
147.5°	805.2	805.9	806.5	807.1	807.8	807.7	806.9	806.2	805.4	804.6	802.1
150°	819.5	820.2	821.0	821.7	822.5	822.4	821.5	820.6	819.7	818.9	816.5
152.5°	831.6	832.6	833.6	834.5	835.6	835.6	834.7	833.8	832.9	832.1	829.8
155°	848.6	849.7	850.9	852.1	853.2	853.4	852.5	851.6	850.7	849.9	848.1
157.5°	863.9	865.2	866.3	867.4	868.6	868.6	867.6	866.7	865.6	864.6	863.4
160°	873.0	874.0	875.0	876.0	877.0	877.1	876.3	875.3	874.5	873.6	872.7
162.5°	880.3	881.6	882.9	884.1	885.4	885.5	884.5	883.5	882.5	881.6	880.8
165°	891.5	892.5	893.5	894.5	895.5	895.5	894.5	893.5	892.5	891.5	891.0
167.5°	898.4	899.8	901.1	902.4	903.7	903.8	902.9	901.8	900.8	899.8	899.4
170°	902.7	904.0	905.3	906.6	908.0	908.0	907.0	906.1	905.0	904.0	903.7
172.5°	905.8	907.1	908.4	909.7	911.1	911.3	910.2	909.2	908.1	907.1	906.8
175°	908.6	910.0	911.5	912.9	914.5	914.6	913.6	912.7	911.6	910.6	910.3
177.5°	910.3	911.3	912.4	913.5	914.5	914.6	913.8	913.0	912.2	911.3	911.3
180°	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1842.9	1838.9	1835.4	1826.4	1821.8	1811.8	1810.3	1809.9	1796.9	1784.3	1780.8
5°	1906.2	1896.2	1881.1	1863.7	1845.5	1826.7	1814.2	1804.2	1779.2	1755.5	1741.7
7.5°	1970.0	1948.4	1922.6	1889.4	1861.8	1830.8	1807.7	1787.1	1751.6	1717.6	1694.7
10°	2017.5	1982.4	1948.0	1902.4	1866.8	1831.7	1799.2	1771.1	1731.1	1686.0	1654.2
12.5°	2047.0	2008.5	1961.1	1916.5	1870.3	1825.7	1782.3	1746.1	1699.0	1652.6	1614.6
15°	2086.9	2045.6	1988.1	1924.3	1864.9	1806.8	1756.7	1711.7	1650.4	1594.7	1548.4
17.5°	2119.6	2062.8	2001.0	1927.2	1858.4	1784.5	1720.0	1662.6	1594.3	1527.2	1472.6
20°	2130.1	2073.8	2002.5	1928.7	1847.4	1760.5	1691.0	1628.5	1555.3	1482.1	1419.7
22.5°	2123.5	2079.8	2000.5	1912.1	1828.9	1738.0	1659.5	1587.0	1505.8	1431.2	1358.6
25°	2079.4	2064.4	1989.3	1893.0	1798.0	1692.3	1601.6	1522.2	1429.6	1349.6	1270.7
27.5°	1976.5	2008.8	1962.4	1859.7	1754.1	1640.8	1538.8	1448.4	1352.4	1262.3	1183.7
30°	1877.5	1951.8	1931.8	1836.7	1718.5	1607.2	1492.8	1398.4	1295.8	1203.2	1125.7
32.5°	1741.8	1864.7	1884.3	1804.8	1682.5	1560.2	1440.3	1346.3	1239.3	1141.7	1066.1
35°	1526.0	1709.8	1794.2	1743.6	1621.0	1489.0	1365.2	1255.7	1148.2	1051.9	976.9
37.5°	1268.4	1518.8	1659.5	1663.1	1550.6	1413.3	1278.6	1169.9	1059.8	965.3	884.0
40°	1101.3	1372.7	1555.9	1596.6	1501.6	1353.3	1217.0	1106.3	998.7	906.2	813.0
42.5°	951.2	1221.6	1446.9	1517.6	1442.0	1294.8	1158.0	1042.3	937.7	850.2	755.0
45°	769.2	1005.6	1253.9	1380.3	1338.3	1202.0	1057.5	947.4	849.2	773.6	682.3
47.5°	648.9	815.5	1055.7	1226.6	1225.9	1101.5	959.3	853.9	762.8	691.9	618.0
50°	580.3	725.5	928.7	1122.6	1138.8	1034.3	899.3	794.8	709.8	635.4	576.0
52.5°	518.8	638.4	821.1	1007.0	1053.3	962.8	831.8	735.4	652.8	584.4	533.5
55°	438.4	530.9	669.8	843.7	913.7	849.9	733.6	643.6	576.6	519.1	475.3
57.5°	370.9	440.3	551.7	691.6	773.3	733.1	637.2	564.0	506.7	454.7	420.1
60°	328.3	385.2	479.7	596.6	686.6	658.6	576.6	508.4	459.7	414.6	382.1
62.5°	288.3	337.2	418.1	513.0	595.6	584.0	517.1	459.9	417.2	376.1	348.6
65°	232.1	267.7	330.8	405.3	471.6	477.2	429.0	390.2	352.1	319.6	295.2
67.5°	184.7	208.0	252.5	315.2	364.9	382.6	353.2	323.6	293.3	268.2	247.0
70°	155.7	174.5	207.0	257.7	303.3	322.1	305.2	282.0	255.8	235.2	217.0
72.5°	126.2	144.5	168.4	205.7	244.8	265.0	259.2	242.5	221.2	204.2	187.0
75°	95.1	100.7	117.0	141.9	172.6	190.1	194.5	185.8	168.8	155.7	145.7
77.5°	70.3	73.7	81.4	94.5	114.6	130.2	136.6	135.5	123.9	116.3	107.0
80°	56.3	58.2	61.9	67.6	82.6	98.2	102.5	102.5	94.4	91.3	81.9
82.5°	42.8	44.1	46.4	49.5	56.6	70.1	75.0	76.1	70.9	66.8	59.4
85°	24.4	23.8	25.0	26.9	28.2	31.9	39.4	40.6	39.4	34.4	32.5
87.5°	10.7	10.9	10.7	9.9	10.1	10.3	12.4	14.6	13.0	11.8	11.1
90°	10.8	9.7	8.5	7.1	5.5	3.9	2.3	0.7	2.3	3.9	5.5
92.5°	14.1	13.6	13.0	12.7	12.9	13.0	13.2	13.3	13.2	13.0	12.9
95°	23.7	22.6	21.6	23.6	28.4	33.2	38.1	42.9	38.1	33.2	28.4
97.5°	29.7	27.3	25.0	30.5	44.2	57.9	71.4	85.1	71.4	57.9	44.2
100°	32.6	30.2	27.6	36.5	56.6	76.6	96.7	116.8	96.7	76.6	56.6
102.5°	80.4	101.2	122.1	134.6	138.8	143.1	147.4	151.7	147.4	143.1	138.8
105°	120.3	160.3	200.4	218.2	213.8	209.4	205.0	200.6	205.0	209.4	213.8
107.5°	152.4	200.4	248.4	270.6	267.0	263.5	260.0	256.4	260.0	263.5	267.0
110°	200.2	242.6	284.9	304.6	301.5	298.5	295.4	292.3	295.4	298.5	301.5





TEST NUMBER: P331829-830

CATALOG NUMBER: S122RDIW-S865D710U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	312.2	322.6	333.1	337.0	334.2	331.6	328.9	326.1	328.9	331.6	334.2
115°	399.8	396.2	392.5	389.4	386.9	384.4	381.9	379.4	381.9	384.4	386.9
117.5°	445.9	443.4	440.8	438.2	435.4	432.6	429.8	427.1	429.8	432.6	435.4
120°	478.3	475.7	473.1	470.7	468.4	466.3	464.1	461.8	464.1	466.3	468.4
122.5°	509.1	506.1	503.3	500.7	498.4	496.1	493.8	491.4	493.8	496.1	498.4
125°	552.0	549.2	546.4	544.0	542.2	540.3	538.4	536.4	538.4	540.3	542.2
127.5°	591.9	589.8	587.8	585.7	583.5	581.5	579.3	577.2	579.3	581.5	583.5
130°	617.6	616.0	614.4	612.5	610.1	607.8	605.4	603.0	605.4	607.8	610.1
132.5°	642.4	640.8	639.2	637.4	635.5	633.5	631.5	629.5	631.5	633.5	635.5
135°	677.7	676.4	675.0	673.2	670.8	668.5	666.1	663.8	666.1	668.5	670.8
137.5°	709.6	708.1	706.6	705.0	703.4	701.8	700.1	698.5	700.1	701.8	703.4
140°	730.5	728.9	727.3	725.9	724.7	723.5	722.4	721.2	722.4	723.5	724.7
142.5°	749.6	747.7	745.8	744.4	743.4	742.3	741.2	740.2	741.2	742.3	743.4
145°	775.6	773.1	770.6	769.4	769.6	769.8	769.9	770.1	769.9	769.8	769.6
147.5°	799.7	797.2	794.8	793.8	794.4	794.9	795.5	796.0	795.5	794.9	794.4
150°	814.2	811.8	809.5	808.8	809.8	810.9	811.9	812.9	811.9	810.9	809.8
152.5°	827.6	825.4	823.1	822.6	823.7	824.9	826.0	827.2	826.0	824.9	823.7
155°	846.3	844.6	842.8	842.6	844.0	845.3	846.6	847.9	846.6	845.3	844.0
157.5°	862.1	860.9	859.7	859.7	860.7	861.9	863.0	864.1	863.0	861.9	860.7
160°	871.9	871.0	870.1	870.1	871.0	871.9	872.7	873.6	872.7	871.9	871.0
162.5°	880.1	879.2	878.4	878.5	879.4	880.3	881.2	882.0	881.2	880.3	879.4
165°	890.5	890.1	889.7	889.9	890.8	891.6	892.5	893.4	892.5	891.6	890.8
167.5°	898.9	898.5	898.1	898.3	899.2	900.1	901.0	901.8	901.0	900.1	899.2
170°	903.4	903.1	902.8	903.1	904.0	904.8	905.7	906.6	905.7	904.8	904.0
172.5°	906.5	906.3	906.0	906.3	907.1	908.0	908.9	909.7	908.9	908.0	907.1
175°	910.0	909.6	909.4	909.7	910.8	911.8	912.9	913.9	912.9	911.8	910.8
177.5°	911.2	911.0	910.9	911.3	912.1	912.9	913.7	914.5	913.7	912.9	912.1
180°	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9



TEST NUMBER: P331829-830

CATALOG NUMBER: S122RDIW-S865D710U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1774.3	1770.8	1764.3	1754.4	1748.3	1737.9	1730.8	1734.8	1735.8	1734.8	1733.8
5°	1726.6	1713.5	1695.4	1677.9	1661.6	1644.2	1634.1	1629.8	1621.0	1616.0	1613.5
7.5°	1669.1	1646.4	1620.7	1590.3	1564.3	1537.2	1523.3	1516.5	1498.5	1488.7	1480.3
10°	1626.0	1590.4	1564.7	1524.7	1500.3	1464.6	1440.3	1440.9	1416.5	1402.7	1392.7
12.5°	1578.5	1539.4	1496.7	1460.7	1426.7	1398.1	1368.8	1356.8	1331.0	1317.7	1290.6
15°	1499.7	1454.1	1409.0	1360.2	1325.8	1281.4	1238.9	1186.9	1145.1	1108.8	1098.8
17.5°	1413.6	1357.1	1311.9	1254.6	1195.7	1121.1	1071.8	1041.6	1016.3	997.2	983.0
20°	1354.6	1297.0	1248.9	1162.6	1083.2	1032.6	996.3	973.1	946.9	926.2	914.9
22.5°	1292.5	1232.5	1166.9	1070.5	1008.6	968.0	935.7	909.1	891.3	875.2	864.9
25°	1204.5	1138.8	1030.7	964.3	914.3	871.8	849.2	833.0	814.3	792.4	782.3
27.5°	1111.4	1007.0	929.3	880.1	832.3	804.6	784.4	760.1	743.3	733.5	723.0
30°	1041.9	937.5	876.8	823.0	789.2	758.6	734.8	721.0	704.8	688.0	681.1
32.5°	964.3	880.9	822.7	778.0	743.7	717.6	698.8	676.6	664.8	654.4	640.0
35°	868.0	804.8	751.7	715.5	683.0	661.7	639.8	626.6	605.4	596.6	591.0
37.5°	786.5	731.7	692.0	653.7	628.0	604.5	591.1	570.2	561.0	548.8	537.0
40°	740.5	686.6	648.6	617.3	588.5	571.0	554.1	537.2	523.5	517.8	503.4
42.5°	693.4	649.7	611.5	577.2	558.0	539.4	518.1	505.7	491.4	482.3	473.4
45°	628.5	589.7	557.2	529.0	507.8	488.4	474.7	454.0	445.9	427.7	420.3
47.5°	571.5	535.5	504.4	477.7	456.9	444.3	424.1	408.0	395.0	383.9	374.2
50°	530.9	501.0	470.9	447.1	428.4	410.3	389.6	381.4	361.5	355.8	350.2
52.5°	493.9	465.4	437.9	414.6	395.9	378.2	360.1	349.5	335.9	330.4	326.2
55°	442.1	414.6	388.3	367.7	348.9	330.8	319.6	306.4	300.2	295.8	290.8
57.5°	390.1	365.3	345.3	324.3	305.5	291.1	278.1	270.1	263.6	257.9	251.9
60°	357.1	333.3	315.2	295.8	276.4	264.6	254.5	245.2	237.6	228.8	226.4
62.5°	322.1	301.3	284.6	265.8	248.9	238.0	228.5	219.6	210.7	197.8	194.4
65°	273.9	257.7	240.2	224.5	209.5	198.9	185.1	175.1	171.4	170.1	169.5
67.5°	230.4	215.0	200.0	184.0	170.3	160.5	153.4	151.9	149.3	148.5	146.8
70°	201.3	187.0	172.0	156.9	143.8	141.9	139.5	137.0	133.8	132.6	131.3
72.5°	175.3	160.5	145.4	133.5	127.8	125.5	122.9	120.5	118.3	117.1	116.3
75°	134.5	120.7	110.7	106.3	103.2	101.3	97.6	95.7	94.4	92.6	91.9
77.5°	96.8	89.1	84.5	81.7	78.4	76.4	74.3	72.4	71.1	70.7	69.7
80°	73.8	70.0	66.9	63.2	61.9	59.4	58.8	56.9	57.5	55.7	55.7
82.5°	57.3	52.5	49.9	48.2	46.9	44.9	44.3	43.4	43.5	42.1	42.1
85°	29.4	28.2	26.9	25.6	25.6	23.8	24.4	23.8	23.8	22.5	21.9
87.5°	10.9	10.7	9.9	10.2	10.4	10.2	10.3	9.9	10.1	10.3	9.8
90°	7.1	8.5	9.7	10.8	12.1	13.2	13.9	14.7	15.4	16.1	16.7
92.5°	12.7	13.0	13.6	14.1	14.7	15.3	15.6	16.1	16.5	16.9	17.2
95°	23.6	21.6	22.6	23.7	24.7	25.7	26.5	27.2	27.9	28.7	28.9
97.5°	30.5	25.0	27.3	29.7	32.0	34.4	35.1	35.6	36.2	36.8	37.1
100°	36.5	27.6	30.2	32.6	35.2	37.6	38.7	40.0	41.1	42.3	43.1
102.5°	134.6	122.1	101.2	80.4	59.5	38.6	40.2	41.8	43.3	44.8	45.7
105°	218.2	200.4	160.3	120.3	80.3	40.2	41.8	43.5	45.1	46.7	47.8
107.5°	270.6	248.4	200.4	152.4	104.3	56.4	54.7	53.1	51.5	49.8	49.3
110°	304.6	284.9	242.6	200.2	157.9	115.5	100.9	86.1	71.4	56.8	49.8



TEST NUMBER: P331829-830

CATALOG NUMBER: S122RDIW-S865D710U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	337.0	333.1	322.6	312.2	301.7	291.2	237.8	184.3	130.8	77.3	50.8
115°	389.4	392.5	396.2	399.8	403.4	407.1	339.2	271.4	203.4	135.5	96.3
117.5°	438.2	440.8	443.4	445.9	448.4	450.9	434.5	418.1	401.6	385.2	359.7
120°	470.7	473.1	475.7	478.3	481.0	483.6	485.4	487.2	488.9	490.7	481.6
122.5°	500.7	503.3	506.1	509.1	511.9	514.8	515.9	516.9	517.9	519.1	517.6
125°	544.0	546.4	549.2	552.0	554.8	557.5	558.6	559.6	560.6	561.7	562.4
127.5°	585.7	587.8	589.8	591.9	594.0	596.1	597.6	599.1	600.6	602.1	602.9
130°	612.5	614.4	616.0	617.6	619.3	620.9	622.5	624.2	625.8	627.4	628.1
132.5°	637.4	639.2	640.8	642.4	644.1	645.7	647.1	648.5	649.9	651.2	651.9
135°	673.2	675.0	676.4	677.7	679.0	680.3	681.7	683.2	684.7	686.2	686.7
137.5°	705.0	706.6	708.1	709.6	711.1	712.7	714.1	715.5	716.9	718.4	718.9
140°	725.9	727.3	728.9	730.5	732.1	733.8	735.1	736.4	737.7	739.0	739.3
142.5°	744.4	745.8	747.7	749.6	751.4	753.3	754.5	755.6	756.9	758.1	758.3
145°	769.4	770.6	773.1	775.6	778.1	780.6	781.7	782.6	783.6	784.7	784.9
147.5°	793.8	794.8	797.2	799.7	802.1	804.6	805.4	806.2	806.9	807.7	807.8
150°	808.8	809.5	811.8	814.2	816.5	818.9	819.7	820.6	821.5	822.4	822.5
152.5°	822.6	823.1	825.4	827.6	829.8	832.1	832.9	833.8	834.7	835.6	835.6
155°	842.6	842.8	844.6	846.3	848.1	849.9	850.7	851.6	852.5	853.4	853.2
157.5°	859.7	859.7	860.9	862.1	863.4	864.6	865.6	866.7	867.6	868.6	868.6
160°	870.1	870.1	871.0	871.9	872.7	873.6	874.5	875.3	876.3	877.1	877.0
162.5°	878.5	878.4	879.2	880.1	880.8	881.6	882.5	883.5	884.5	885.5	885.4
165°	889.9	889.7	890.1	890.5	891.0	891.5	892.5	893.5	894.5	895.5	895.5
167.5°	898.3	898.1	898.5	898.9	899.4	899.8	900.8	901.8	902.9	903.8	903.7
170°	903.1	902.8	903.1	903.4	903.7	904.0	905.0	906.1	907.0	908.0	908.0
172.5°	906.3	906.0	906.3	906.5	906.8	907.1	908.1	909.2	910.2	911.3	911.1
175°	909.7	909.4	909.6	910.0	910.3	910.6	911.6	912.7	913.6	914.6	914.5
177.5°	911.3	910.9	911.0	911.2	911.3	911.3	912.2	913.0	913.8	914.6	914.5
180°	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9



TEST NUMBER: P331829-830

CATALOG NUMBER: S122RDIW-S865D710U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1728.3	1729.3	1727.8	1728.8	1727.8	1729.3	1728.3	1733.8	1734.8	1735.8	1734.8
5°	1610.3	1602.9	1601.6	1599.8	1601.6	1602.9	1610.3	1613.5	1616.0	1621.0	1629.8
7.5°	1469.5	1468.4	1465.3	1460.9	1465.3	1468.4	1469.5	1480.3	1488.7	1498.5	1516.5
10°	1378.9	1375.8	1375.3	1370.8	1375.3	1375.8	1378.9	1392.7	1402.7	1416.5	1440.9
12.5°	1272.9	1252.7	1250.7	1239.7	1250.7	1252.7	1272.9	1290.6	1317.7	1331.0	1356.8
15°	1083.8	1080.1	1067.5	1059.4	1067.5	1080.1	1083.8	1098.8	1108.8	1145.1	1186.9
17.5°	975.7	963.5	959.6	957.8	959.6	963.5	975.7	983.0	997.2	1016.3	1041.6
20°	906.2	894.9	893.1	891.8	893.1	894.9	906.2	914.9	926.2	946.9	973.1
22.5°	858.2	846.4	841.5	837.7	841.5	846.4	858.2	864.9	875.2	891.3	909.1
25°	776.1	771.8	769.2	768.0	769.2	771.8	776.1	782.3	792.4	814.3	833.0
27.5°	711.9	702.3	700.4	697.2	700.4	702.3	711.9	723.0	733.5	743.3	760.1
30°	675.4	672.3	667.9	664.1	667.9	672.3	675.4	681.1	688.0	704.8	721.0
32.5°	632.4	629.8	625.8	624.2	625.8	629.8	632.4	640.0	654.4	664.8	676.6
35°	584.8	576.0	572.2	566.6	572.2	576.0	584.8	591.0	596.6	605.4	626.6
37.5°	534.3	529.7	524.4	526.3	524.4	529.7	534.3	537.0	548.8	561.0	570.2
40°	495.3	492.2	491.0	490.3	491.0	492.2	495.3	503.4	517.8	523.5	537.2
42.5°	464.3	455.6	452.4	452.2	452.4	455.6	464.3	473.4	482.3	491.4	505.7
45°	417.2	409.0	403.4	404.0	403.4	409.0	417.2	420.3	427.7	445.9	454.0
47.5°	368.8	368.6	365.1	366.3	365.1	368.6	368.8	374.2	383.9	395.0	408.0
50°	345.8	342.0	339.6	340.2	339.6	342.0	345.8	350.2	355.8	361.5	381.4
52.5°	323.9	320.6	318.6	321.2	318.6	320.6	323.9	326.2	330.4	335.9	349.5
55°	287.7	283.9	283.3	282.7	283.3	283.9	287.7	290.8	295.8	300.2	306.4
57.5°	247.3	244.8	241.0	239.4	241.0	244.8	247.3	251.9	257.9	263.6	270.1
60°	218.3	213.3	207.0	206.4	207.0	213.3	218.3	226.4	228.8	237.6	245.2
62.5°	191.7	190.8	189.5	189.4	189.5	190.8	191.7	194.4	197.8	210.7	219.6
65°	168.2	167.6	168.2	168.8	168.2	167.6	168.2	169.5	170.1	171.4	175.1
67.5°	146.6	145.4	144.3	144.9	144.3	145.4	146.6	146.8	148.5	149.3	151.9
70°	130.1	129.4	128.8	128.8	128.8	129.4	130.1	131.3	132.6	133.8	137.0
72.5°	114.0	114.0	113.3	112.8	113.3	114.0	114.0	116.3	117.1	118.3	120.5
75°	91.3	90.0	90.0	90.0	90.0	90.0	91.3	91.9	92.6	94.4	95.7
77.5°	69.6	68.9	68.3	67.8	68.3	68.9	69.6	69.7	70.7	71.1	72.4
80°	55.0	54.4	53.8	53.8	53.8	54.4	55.0	55.7	55.7	57.5	56.9
82.5°	42.0	41.4	41.3	40.8	41.3	41.4	42.0	42.1	42.1	43.5	43.4
85°	22.5	23.1	22.5	23.8	22.5	23.1	22.5	21.9	22.5	23.8	23.8
87.5°	9.9	9.4	10.0	9.5	10.0	9.4	9.9	9.8	10.3	10.1	9.9
90°	17.0	17.2	17.5	17.8	17.5	17.2	17.0	16.7	16.1	15.4	14.7
92.5°	17.2	17.4	17.6	17.8	17.6	17.4	17.2	17.2	16.9	16.5	16.1
95°	28.8	28.7	28.6	28.4	28.6	28.7	28.8	28.9	28.7	27.9	27.2
97.5°	37.3	37.5	37.7	37.9	37.7	37.5	37.3	37.1	36.8	36.2	35.6
100°	43.4	43.6	43.9	44.2	43.9	43.6	43.4	43.1	42.3	41.1	40.0
102.5°	46.2	46.6	46.9	47.4	46.9	46.6	46.2	45.7	44.8	43.3	41.8
105°	48.4	49.0	49.6	50.1	49.6	49.0	48.4	47.8	46.7	45.1	43.5
107.5°	49.9	50.4	51.0	51.6	51.0	50.4	49.9	49.3	49.8	51.5	53.1
110°	50.3	51.0	51.6	52.1	51.6	51.0	50.3	49.8	56.8	71.4	86.1



TEST NUMBER: P331829-830

CATALOG NUMBER: S122RDIW-S865D710U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	51.3	51.7	52.2	52.7	52.2	51.7	51.3	50.8	77.3	130.8	184.3
115°	85.8	75.2	64.7	54.1	64.7	75.2	85.8	96.3	135.5	203.4	271.4
117.5°	325.0	290.3	255.6	220.9	255.6	290.3	325.0	359.7	385.2	401.6	418.1
120°	461.8	442.1	422.3	402.5	422.3	442.1	461.8	481.6	490.7	488.9	487.2
122.5°	513.8	509.9	506.1	502.3	506.1	509.9	513.8	517.6	519.1	517.9	516.9
125°	562.8	563.3	563.7	564.1	563.7	563.3	562.8	562.4	561.7	560.6	559.6
127.5°	602.9	603.0	603.1	603.2	603.1	603.0	602.9	602.9	602.1	600.6	599.1
130°	627.9	627.8	627.6	627.5	627.6	627.8	627.9	628.1	627.4	625.8	624.2
132.5°	651.7	651.6	651.4	651.3	651.4	651.6	651.7	651.9	651.2	649.9	648.5
135°	686.5	686.2	685.9	685.6	685.9	686.2	686.5	686.7	686.2	684.7	683.2
137.5°	718.3	717.8	717.4	716.8	717.4	717.8	718.3	718.9	718.4	716.9	715.5
140°	738.6	737.8	737.1	736.4	737.1	737.8	738.6	739.3	739.0	737.7	736.4
142.5°	757.6	756.9	756.1	755.4	756.1	756.9	757.6	758.3	758.1	756.9	755.6
145°	784.1	783.3	782.6	781.9	782.6	783.3	784.1	784.9	784.7	783.6	782.6
147.5°	807.1	806.5	805.9	805.2	805.9	806.5	807.1	807.8	807.7	806.9	806.2
150°	821.7	821.0	820.2	819.5	820.2	821.0	821.7	822.5	822.4	821.5	820.6
152.5°	834.5	833.6	832.6	831.6	832.6	833.6	834.5	835.6	835.6	834.7	833.8
155°	852.1	850.9	849.7	848.6	849.7	850.9	852.1	853.2	853.4	852.5	851.6
157.5°	867.4	866.3	865.2	863.9	865.2	866.3	867.4	868.6	868.6	867.6	866.7
160°	876.0	875.0	874.0	873.0	874.0	875.0	876.0	877.0	877.1	876.3	875.3
162.5°	884.1	882.9	881.6	880.3	881.6	882.9	884.1	885.4	885.5	884.5	883.5
165°	894.5	893.5	892.5	891.5	892.5	893.5	894.5	895.5	895.5	894.5	893.5
167.5°	902.4	901.1	899.8	898.4	899.8	901.1	902.4	903.7	903.8	902.9	901.8
170°	906.6	905.3	904.0	902.7	904.0	905.3	906.6	908.0	908.0	907.0	906.1
172.5°	909.7	908.4	907.1	905.8	907.1	908.4	909.7	911.1	911.3	910.2	909.2
175°	912.9	911.5	910.0	908.6	910.0	911.5	912.9	914.5	914.6	913.6	912.7
177.5°	913.5	912.4	911.3	910.3	911.3	912.4	913.5	914.5	914.6	913.8	913.0
180°	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9



TEST NUMBER: P331829-830

CATALOG NUMBER: S122RDIW-S865D710U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1730.8	1737.9	1748.3	1754.4	1764.3	1770.8	1774.3	1780.8	1784.3	1796.9	1809.9
5°	1634.1	1644.2	1661.6	1677.9	1695.4	1713.5	1726.6	1741.7	1755.5	1779.2	1804.2
7.5°	1523.3	1537.2	1564.3	1590.3	1620.7	1646.4	1669.1	1694.7	1717.6	1751.6	1787.1
10°	1440.3	1464.6	1500.3	1524.7	1564.7	1590.4	1626.0	1654.2	1686.0	1731.1	1771.1
12.5°	1368.8	1398.1	1426.7	1460.7	1496.7	1539.4	1578.5	1614.6	1652.6	1699.0	1746.1
15°	1238.9	1281.4	1325.8	1360.2	1409.0	1454.1	1499.7	1548.4	1594.7	1650.4	1711.7
17.5°	1071.8	1121.1	1195.7	1254.6	1311.9	1357.1	1413.6	1472.6	1527.2	1594.3	1662.6
20°	996.3	1032.6	1083.2	1162.6	1248.9	1297.0	1354.6	1419.7	1482.1	1555.3	1628.5
22.5°	935.7	968.0	1008.6	1070.5	1166.9	1232.5	1292.5	1358.6	1431.2	1505.8	1587.0
25°	849.2	871.8	914.3	964.3	1030.7	1138.8	1204.5	1270.7	1349.6	1429.6	1522.2
27.5°	784.4	804.6	832.3	880.1	929.3	1007.0	1111.4	1183.7	1262.3	1352.4	1448.4
30°	734.8	758.6	789.2	823.0	876.8	937.5	1041.9	1125.7	1203.2	1295.8	1398.4
32.5°	698.8	717.6	743.7	778.0	822.7	880.9	964.3	1066.1	1141.7	1239.3	1346.3
35°	639.8	661.7	683.0	715.5	751.7	804.8	868.0	976.9	1051.9	1148.2	1255.7
37.5°	591.1	604.5	628.0	653.7	692.0	731.7	786.5	884.0	965.3	1059.8	1169.9
40°	554.1	571.0	588.5	617.3	648.6	686.6	740.5	813.0	906.2	998.7	1106.3
42.5°	518.1	539.4	558.0	577.2	611.5	649.7	693.4	755.0	850.2	937.7	1042.3
45°	474.7	488.4	507.8	529.0	557.2	589.7	628.5	682.3	773.6	849.2	947.4
47.5°	424.1	444.3	456.9	477.7	504.4	535.5	571.5	618.0	691.9	762.8	853.9
50°	389.6	410.3	428.4	447.1	470.9	501.0	530.9	576.0	635.4	709.8	794.8
52.5°	360.1	378.2	395.9	414.6	437.9	465.4	493.9	533.5	584.4	652.8	735.4
55°	319.6	330.8	348.9	367.7	388.3	414.6	442.1	475.3	519.1	576.6	643.6
57.5°	278.1	291.1	305.5	324.3	345.3	365.3	390.1	420.1	454.7	506.7	564.0
60°	254.5	264.6	276.4	295.8	315.2	333.3	357.1	382.1	414.6	459.7	508.4
62.5°	228.5	238.0	248.9	265.8	284.6	301.3	322.1	348.6	376.1	417.2	459.9
65°	185.1	198.9	209.5	224.5	240.2	257.7	273.9	295.2	319.6	352.1	390.2
67.5°	153.4	160.5	170.3	184.0	200.0	215.0	230.4	247.0	268.2	293.3	323.6
70°	139.5	141.9	143.8	156.9	172.0	187.0	201.3	217.0	235.2	255.8	282.0
72.5°	122.9	125.5	127.8	133.5	145.4	160.5	175.3	187.0	204.2	221.2	242.5
75°	97.6	101.3	103.2	106.3	110.7	120.7	134.5	145.7	155.7	168.8	185.8
77.5°	74.3	76.4	78.4	81.7	84.5	89.1	96.8	107.0	116.3	123.9	135.5
80°	58.8	59.4	61.9	63.2	66.9	70.0	73.8	81.9	91.3	94.4	102.5
82.5°	44.3	44.9	46.9	48.2	49.9	52.5	57.3	59.4	66.8	70.9	76.1
85°	24.4	23.8	25.6	25.6	26.9	28.2	29.4	32.5	34.4	39.4	40.6
87.5°	10.3	10.2	10.4	10.2	9.9	10.7	10.9	11.1	11.8	13.0	14.6
90°	13.9	13.2	12.1	10.8	9.7	8.5	7.1	5.5	3.9	2.3	0.7
92.5°	15.6	15.3	14.7	14.1	13.6	13.0	12.7	12.9	13.0	13.2	13.3
95°	26.5	25.7	24.7	23.7	22.6	21.6	23.6	28.4	33.2	38.1	42.9
97.5°	35.1	34.4	32.0	29.7	27.3	25.0	30.5	44.2	57.9	71.4	85.1
100°	38.7	37.6	35.2	32.6	30.2	27.6	36.5	56.6	76.6	96.7	116.8
102.5°	40.2	38.6	59.5	80.4	101.2	122.1	134.6	138.8	143.1	147.4	151.7
105°	41.8	40.2	80.3	120.3	160.3	200.4	218.2	213.8	209.4	205.0	200.6
107.5°	54.7	56.4	104.3	152.4	200.4	248.4	270.6	267.0	263.5	260.0	256.4
110°	100.9	115.5	157.9	200.2	242.6	284.9	304.6	301.5	298.5	295.4	292.3



TEST NUMBER: P331829-830

CATALOG NUMBER: S122RDIW-S865D710U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	237.8	291.2	301.7	312.2	322.6	333.1	337.0	334.2	331.6	328.9	326.1
115°	339.2	407.1	403.4	399.8	396.2	392.5	389.4	386.9	384.4	381.9	379.4
117.5°	434.5	450.9	448.4	445.9	443.4	440.8	438.2	435.4	432.6	429.8	427.1
120°	485.4	483.6	481.0	478.3	475.7	473.1	470.7	468.4	466.3	464.1	461.8
122.5°	515.9	514.8	511.9	509.1	506.1	503.3	500.7	498.4	496.1	493.8	491.4
125°	558.6	557.5	554.8	552.0	549.2	546.4	544.0	542.2	540.3	538.4	536.4
127.5°	597.6	596.1	594.0	591.9	589.8	587.8	585.7	583.5	581.5	579.3	577.2
130°	622.5	620.9	619.3	617.6	616.0	614.4	612.5	610.1	607.8	605.4	603.0
132.5°	647.1	645.7	644.1	642.4	640.8	639.2	637.4	635.5	633.5	631.5	629.5
135°	681.7	680.3	679.0	677.7	676.4	675.0	673.2	670.8	668.5	666.1	663.8
137.5°	714.1	712.7	711.1	709.6	708.1	706.6	705.0	703.4	701.8	700.1	698.5
140°	735.1	733.8	732.1	730.5	728.9	727.3	725.9	724.7	723.5	722.4	721.2
142.5°	754.5	753.3	751.4	749.6	747.7	745.8	744.4	743.4	742.3	741.2	740.2
145°	781.7	780.6	778.1	775.6	773.1	770.6	769.4	769.6	769.8	769.9	770.1
147.5°	805.4	804.6	802.1	799.7	797.2	794.8	793.8	794.4	794.9	795.5	796.0
150°	819.7	818.9	816.5	814.2	811.8	809.5	808.8	809.8	810.9	811.9	812.9
152.5°	832.9	832.1	829.8	827.6	825.4	823.1	822.6	823.7	824.9	826.0	827.2
155°	850.7	849.9	848.1	846.3	844.6	842.8	842.6	844.0	845.3	846.6	847.9
157.5°	865.6	864.6	863.4	862.1	860.9	859.7	859.7	860.7	861.9	863.0	864.1
160°	874.5	873.6	872.7	871.9	871.0	870.1	870.1	871.0	871.9	872.7	873.6
162.5°	882.5	881.6	880.8	880.1	879.2	878.4	878.5	879.4	880.3	881.2	882.0
165°	892.5	891.5	891.0	890.5	890.1	889.7	889.9	890.8	891.6	892.5	893.4
167.5°	900.8	899.8	899.4	898.9	898.5	898.1	898.3	899.2	900.1	901.0	901.8
170°	905.0	904.0	903.7	903.4	903.1	902.8	903.1	904.0	904.8	905.7	906.6
172.5°	908.1	907.1	906.8	906.5	906.3	906.0	906.3	907.1	908.0	908.9	909.7
175°	911.6	910.6	910.3	910.0	909.6	909.4	909.7	910.8	911.8	912.9	913.9
177.5°	912.2	911.3	911.3	911.2	911.0	910.9	911.3	912.1	912.9	913.7	914.5
180°	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9



TEST NUMBER: P331829-830

CATALOG NUMBER: S122RDIW-S865D710U830-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1810.3	1811.8	1821.8	1826.4	1835.4	1838.9	1842.9	1841.9	1841.9	1843.9	1857.9
5°	1814.2	1826.7	1845.5	1863.7	1881.1	1896.2	1906.2	1916.2	1920.0	1938.1	1954.4
7.5°	1807.7	1830.8	1861.8	1889.4	1922.6	1948.4	1970.0	1989.3	2002.6	2029.0	2056.1
10°	1799.2	1831.7	1866.8	1902.4	1948.0	1982.4	2017.5	2044.4	2053.1	2092.5	2115.1
12.5°	1782.3	1825.7	1870.3	1916.5	1961.1	2008.5	2047.0	2073.9	2104.7	2140.0	2181.6
15°	1756.7	1806.8	1864.9	1924.3	1988.1	2045.6	2086.9	2133.8	2167.6	2206.4	2242.6
17.5°	1720.0	1784.5	1858.4	1927.2	2001.0	2062.8	2119.6	2164.5	2188.3	2210.5	2215.8
20°	1691.0	1760.5	1847.4	1928.7	2002.5	2073.8	2130.1	2167.6	2173.9	2174.4	2141.4
22.5°	1659.5	1738.0	1828.9	1912.1	2000.5	2079.8	2123.5	2139.6	2114.8	2072.4	2008.3
25°	1601.6	1692.3	1798.0	1893.0	1989.3	2064.4	2079.4	2051.3	1964.4	1873.0	1757.4
27.5°	1538.8	1640.8	1754.1	1859.7	1962.4	2008.8	1976.5	1875.0	1718.4	1582.3	1417.4
30°	1492.8	1607.2	1718.5	1836.7	1931.8	1951.8	1877.5	1728.0	1545.3	1340.2	1175.7
32.5°	1440.3	1560.2	1682.5	1804.8	1884.3	1864.7	1741.8	1557.8	1343.7	1142.1	986.7
35°	1365.2	1489.0	1621.0	1743.6	1794.2	1709.8	1526.0	1286.4	1067.5	879.3	772.3
37.5°	1278.6	1413.3	1550.6	1663.1	1659.5	1518.8	1268.4	1021.2	837.2	725.9	649.7
40°	1217.0	1353.3	1501.6	1596.6	1555.9	1372.7	1101.3	868.0	733.6	644.8	589.1
42.5°	1158.0	1294.8	1442.0	1517.6	1446.9	1221.6	951.2	768.5	657.5	588.2	543.1
45°	1057.5	1202.0	1338.3	1380.3	1253.9	1005.6	769.2	636.7	562.9	511.5	480.3
47.5°	959.3	1101.5	1225.9	1226.6	1055.7	815.5	648.9	551.0	488.0	448.3	425.6
50°	899.3	1034.3	1138.8	1122.6	928.7	725.5	580.3	496.0	443.4	412.7	389.0
52.5°	831.8	962.8	1053.3	1007.0	821.1	638.4	518.8	447.9	404.4	377.8	356.5
55°	733.6	849.9	913.7	843.7	669.8	530.9	438.4	382.8	350.2	327.7	309.5
57.5°	637.2	733.1	773.3	691.6	551.7	440.3	370.9	329.0	296.8	280.7	271.3
60°	576.6	658.6	686.6	596.6	479.7	385.2	328.3	289.5	265.8	255.1	245.8
62.5°	517.1	584.0	595.6	513.0	418.1	337.2	288.3	255.5	239.8	229.6	220.7
65°	429.0	477.2	471.6	405.3	330.8	267.7	232.1	212.0	200.1	185.8	170.1
67.5°	353.2	382.6	364.9	315.2	252.5	208.0	184.7	169.6	154.9	141.2	137.6
70°	305.2	322.1	303.3	257.7	207.0	174.5	155.7	137.6	128.8	125.7	120.1
72.5°	259.2	265.0	244.8	205.7	168.4	144.5	126.2	116.0	111.3	108.7	105.1
75°	194.5	190.1	172.6	141.9	117.0	100.7	95.1	91.3	88.2	85.7	83.8
77.5°	136.6	130.2	114.6	94.5	81.4	73.7	70.3	68.3	66.8	65.5	63.6
80°	102.5	98.2	82.6	67.6	61.9	58.2	56.3	53.8	53.8	52.5	50.6
82.5°	75.0	70.1	56.6	49.5	46.4	44.1	42.8	41.3	40.8	41.0	39.7
85°	39.4	31.9	28.2	26.9	25.0	23.8	24.4	23.1	23.1	23.1	22.5
87.5°	12.4	10.3	10.1	9.9	10.7	10.9	10.7	10.9	11.7	11.3	12.0
90°	2.3	3.9	5.5	7.1	8.5	9.7	10.8	12.1	13.2	13.9	14.7
92.5°	13.2	13.0	12.9	12.7	13.0	13.6	14.1	14.7	15.3	15.6	16.1
95°	38.1	33.2	28.4	23.6	21.6	22.6	23.7	24.7	25.7	26.5	27.2
97.5°	71.4	57.9	44.2	30.5	25.0	27.3	29.7	32.0	34.4	35.1	35.6
100°	96.7	76.6	56.6	36.5	27.6	30.2	32.6	35.2	37.6	38.7	40.0
102.5°	147.4	143.1	138.8	134.6	122.1	101.2	80.4	59.5	38.6	40.2	41.8
105°	205.0	209.4	213.8	218.2	200.4	160.3	120.3	80.3	40.2	41.8	43.5
107.5°	260.0	263.5	267.0	270.6	248.4	200.4	152.4	104.3	56.4	54.7	53.1
110°	295.4	298.5	301.5	304.6	284.9	242.6	200.2	157.9	115.5	100.9	86.1





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	328.9	331.6	334.2	337.0	333.1	322.6	312.2	301.7	291.2	237.8	184.3
115°	381.9	384.4	386.9	389.4	392.5	396.2	399.8	403.4	407.1	339.2	271.4
117.5°	429.8	432.6	435.4	438.2	440.8	443.4	445.9	448.4	450.9	434.5	418.1
120°	464.1	466.3	468.4	470.7	473.1	475.7	478.3	481.0	483.6	485.4	487.2
122.5°	493.8	496.1	498.4	500.7	503.3	506.1	509.1	511.9	514.8	515.9	516.9
125°	538.4	540.3	542.2	544.0	546.4	549.2	552.0	554.8	557.5	558.6	559.6
127.5°	579.3	581.5	583.5	585.7	587.8	589.8	591.9	594.0	596.1	597.6	599.1
130°	605.4	607.8	610.1	612.5	614.4	616.0	617.6	619.3	620.9	622.5	624.2
132.5°	631.5	633.5	635.5	637.4	639.2	640.8	642.4	644.1	645.7	647.1	648.5
135°	666.1	668.5	670.8	673.2	675.0	676.4	677.7	679.0	680.3	681.7	683.2
137.5°	700.1	701.8	703.4	705.0	706.6	708.1	709.6	711.1	712.7	714.1	715.5
140°	722.4	723.5	724.7	725.9	727.3	728.9	730.5	732.1	733.8	735.1	736.4
142.5°	741.2	742.3	743.4	744.4	745.8	747.7	749.6	751.4	753.3	754.5	755.6
145°	769.9	769.8	769.6	769.4	770.6	773.1	775.6	778.1	780.6	781.7	782.6
147.5°	795.5	794.9	794.4	793.8	794.8	797.2	799.7	802.1	804.6	805.4	806.2
150°	811.9	810.9	809.8	808.8	809.5	811.8	814.2	816.5	818.9	819.7	820.6
152.5°	826.0	824.9	823.7	822.6	823.1	825.4	827.6	829.8	832.1	832.9	833.8
155°	846.6	845.3	844.0	842.6	842.8	844.6	846.3	848.1	849.9	850.7	851.6
157.5°	863.0	861.9	860.7	859.7	859.7	860.9	862.1	863.4	864.6	865.6	866.7
160°	872.7	871.9	871.0	870.1	870.1	871.0	871.9	872.7	873.6	874.5	875.3
162.5°	881.2	880.3	879.4	878.5	878.4	879.2	880.1	880.8	881.6	882.5	883.5
165°	892.5	891.6	890.8	889.9	889.7	890.1	890.5	891.0	891.5	892.5	893.5
167.5°	901.0	900.1	899.2	898.3	898.1	898.5	898.9	899.4	899.8	900.8	901.8
170°	905.7	904.8	904.0	903.1	902.8	903.1	903.4	903.7	904.0	905.0	906.1
172.5°	908.9	908.0	907.1	906.3	906.0	906.3	906.5	906.8	907.1	908.1	909.2
175°	912.9	911.8	910.8	909.7	909.4	909.6	910.0	910.3	910.6	911.6	912.7
177.5°	913.7	912.9	912.1	911.3	910.9	911.0	911.2	911.3	911.3	912.2	913.0
180°	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9	911.9



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9	1799.9
2.5°	1862.9	1869.4	1872.4	1872.4	1875.9	1874.4	1872.9
5°	1970.0	1981.9	1984.3	1995.6	2003.8	2001.2	2002.5
7.5°	2076.4	2095.6	2114.4	2123.1	2124.4	2129.4	2131.3
10°	2141.9	2157.6	2187.0	2182.6	2204.5	2217.0	2196.3
12.5°	2205.0	2226.1	2246.6	2252.1	2264.6	2268.5	2260.4
15°	2262.0	2273.3	2274.5	2271.4	2275.1	2272.0	2260.1
17.5°	2208.8	2190.5	2153.4	2135.9	2122.0	2101.6	2093.3
20°	2120.7	2066.9	2004.3	1979.3	1949.9	1892.4	1906.2
22.5°	1930.6	1869.3	1806.8	1733.7	1698.8	1644.3	1641.0
25°	1634.7	1529.1	1412.8	1331.4	1283.9	1229.5	1205.7
27.5°	1271.0	1137.9	1042.6	994.4	950.5	907.3	905.6
30°	1031.9	931.8	858.0	816.7	789.9	771.8	775.5
32.5°	869.8	801.3	751.5	717.2	697.3	683.6	683.4
35°	711.1	664.1	632.3	617.8	603.5	593.5	594.1
37.5°	608.5	580.3	562.6	546.7	537.7	532.8	530.1
40°	556.0	532.8	519.1	509.7	502.2	495.3	494.1
42.5°	514.4	495.3	481.5	474.2	467.1	462.3	461.0
45°	456.6	440.9	428.4	420.3	417.2	412.7	412.7
47.5°	406.1	390.8	381.0	375.9	370.5	367.6	367.5
50°	372.1	360.2	351.5	348.4	343.9	342.0	341.5
52.5°	341.6	332.7	326.5	324.3	322.4	320.1	320.5
55°	300.2	295.2	292.7	290.8	287.7	283.9	286.4
57.5°	265.3	261.0	254.3	248.4	245.5	242.9	243.9
60°	240.8	232.1	223.3	216.4	214.5	208.9	208.9
62.5°	209.7	197.5	186.7	182.9	181.0	178.3	177.9
65°	161.4	156.4	153.8	151.4	150.1	150.1	148.8
67.5°	133.7	131.7	128.9	128.4	127.1	126.7	126.3
70°	118.2	115.6	114.4	113.9	112.5	113.2	111.3
72.5°	103.2	101.2	100.9	99.3	98.6	98.7	97.3
75°	81.3	81.3	80.7	80.0	78.8	78.1	78.8
77.5°	62.6	62.7	61.5	61.5	61.3	61.5	60.8
80°	50.0	50.6	50.0	49.4	48.8	49.4	48.8
82.5°	39.5	38.6	38.5	38.4	38.3	37.9	37.8
85°	22.5	23.1	22.5	21.9	21.9	21.9	22.5
87.5°	11.6	11.7	11.9	11.9	12.0	12.0	11.6
90°	15.4	16.1	16.7	17.0	17.2	17.5	17.8
92.5°	16.5	16.9	17.2	17.2	17.4	17.6	17.8
95°	27.9	28.7	28.9	28.8	28.7	28.6	28.4
97.5°	36.2	36.8	37.1	37.3	37.5	37.7	37.9
100°	41.1	42.3	43.1	43.4	43.6	43.9	44.2
102.5°	43.3	44.8	45.7	46.2	46.6	46.9	47.4
105°	45.1	46.7	47.8	48.4	49.0	49.6	50.1
107.5°	51.5	49.8	49.3	49.9	50.4	51.0	51.6
110°	71.4	56.8	49.8	50.3	51.0	51.6	52.1



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	130.8	77.3	50.8	51.3	51.7	52.2	52.7
115°	203.4	135.5	96.3	85.8	75.2	64.7	54.1
117.5°	401.6	385.2	359.7	325.0	290.3	255.6	220.9
120°	488.9	490.7	481.6	461.8	442.1	422.3	402.5
122.5°	517.9	519.1	517.6	513.8	509.9	506.1	502.3
125°	560.6	561.7	562.4	562.8	563.3	563.7	564.1
127.5°	600.6	602.1	602.9	602.9	603.0	603.1	603.2
130°	625.8	627.4	628.1	627.9	627.8	627.6	627.5
132.5°	649.9	651.2	651.9	651.7	651.6	651.4	651.3
135°	684.7	686.2	686.7	686.5	686.2	685.9	685.6
137.5°	716.9	718.4	718.9	718.3	717.8	717.4	716.8
140°	737.7	739.0	739.3	738.6	737.8	737.1	736.4
142.5°	756.9	758.1	758.3	757.6	756.9	756.1	755.4
145°	783.6	784.7	784.9	784.1	783.3	782.6	781.9
147.5°	806.9	807.7	807.8	807.1	806.5	805.9	805.2
150°	821.5	822.4	822.5	821.7	821.0	820.2	819.5
152.5°	834.7	835.6	835.6	834.5	833.6	832.6	831.6
155°	852.5	853.4	853.2	852.1	850.9	849.7	848.6
157.5°	867.6	868.6	868.6	867.4	866.3	865.2	863.9
160°	876.3	877.1	877.0	876.0	875.0	874.0	873.0
162.5°	884.5	885.5	885.4	884.1	882.9	881.6	880.3
165°	894.5	895.5	895.5	894.5	893.5	892.5	891.5
167.5°	902.9	903.8	903.7	902.4	901.1	899.8	898.4
170°	907.0	908.0	908.0	906.6	905.3	904.0	902.7
172.5°	910.2	911.3	911.1	909.7	908.4	907.1	905.8
175°	913.6	914.6	914.5	912.9	911.5	910.0	908.6
177.5°	913.8	914.6	914.5	913.5	912.4	911.3	910.3
180°	911.9	911.9	911.9	911.9	911.9	911.9	911.9

(END OF REPORT)