

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: P331591-935

Luminaire Tested: **S122DIW-S1005D710U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331591-935
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: S122DIW-S1005D710U935-4F0-1E-UDD-A
Description: DEFINE 2 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1005 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 710 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6231.0 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.16 / 1.23
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

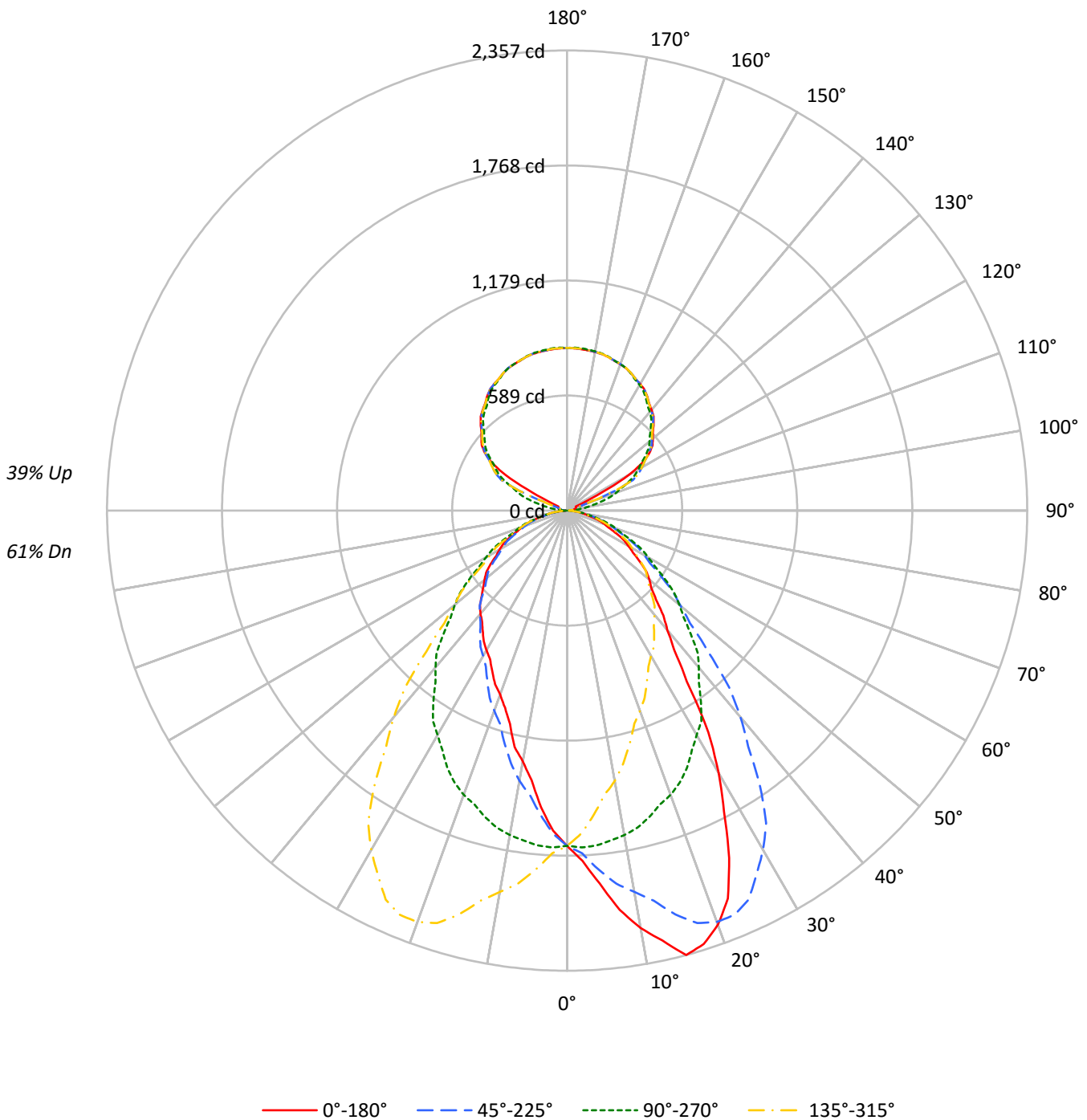
Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	61
1	101	97	93	90	94	91	87	84	79	77	75	69	67	66	59	58	57	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	56	53	51	49	45
3	85	75	68	62	79	71	65	59	62	58	54	55	51	48	47	45	42	39
4	78	67	59	53	73	63	56	51	56	50	46	49	45	41	43	40	37	34
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	39	35	33	30
6	66	54	46	41	62	51	44	39	46	40	36	40	36	32	35	32	29	26
7	61	49	41	36	57	47	40	34	42	36	32	37	32	29	33	29	26	24
8	57	45	37	32	54	43	36	31	38	32	28	34	29	26	30	26	24	21
9	53	41	34	29	50	39	32	28	35	30	26	31	27	23	28	24	21	19
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27719	27719	27719	27719
5°	31076	27901	24725	27901
10°	35611	27671	21397	27671
15°	39397	27164	18903	27164
20°	38797	26620	17234	26620
25°	34983	25896	16174	25896
30°	28909	24738	15401	24738
35°	21068	23526	14852	23526
40°	16828	22097	14547	22097
45°	14705	20445	14132	20445
50°	13823	18844	13855	18844
55°	12740	17219	13486	17219
60°	11677	15490	12910	15490
65°	10636	13941	12351	13941
70°	9659	12430	11528	12430
75°	8559	10742	10212	10742
80°	7364	8898	8219	8898
85°	6595	6595	4891	6595



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	2.6
10°-20°	475.3	7.6
20°-30°	689.9	11.1
30°-40°	728.0	11.7
40°-50°	644.6	10.3
50°-60°	514.4	8.3
60°-70°	349.6	5.6
70°-80°	179.3	2.9
80°-90°	45.3	0.7
90°-100°	27.8	0.4
100°-110°	101.9	1.6
110°-120°	272.4	4.4
120°-130°	449.6	7.2
130°-140°	478.2	7.7
140°-150°	444.4	7.1
150°-160°	357.3	5.7
160°-170°	230.3	3.7
170°-180°	79.3	1.3
0°-30°	1328.7	21.3
0°-40°	2056.7	33.0
0°-60°	3215.7	51.6
0°-90°	3789.8	60.8
90°-120°	402.1	6.5
90°-150°	1774.3	28.5
90°-180°	2441.0	39.2
0°-180°	6231.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1717	1717	1717	1717	1717	
5°	1917	1722	1526	1722	1917	191
15°	2357	1625	1131	1625	2357	650
25°	1964	1454	908	1454	1964	888
35°	1069	1194	754	1194	1069	695
45°	644	895	619	895	644	506
55°	453	612	479	612	453	406
65°	278	365	323	365	278	277
75°	137	172	164	172	137	147
85°	36	36	26	36	36	39
90°	16	1	16	1	16	9
95°	26	39	26	39	26	24
105°	46	183	46	183	46	48
115°	49	347	49	347	49	124
125°	515	490	515	490	515	446
135°	626	606	626	606	626	483
145°	714	703	714	703	714	447
155°	775	775	775	775	775	358
165°	814	816	814	816	814	230
175°	830	835	830	835	830	79
180°	833	833	833	833	833	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1796.0	1796.6	1797.6	1789.2	1788.1	1788.1	1780.7	1774.4	1767.0	1757.0	1758.1
5°	1917.4	1924.7	1927.3	1919.4	1907.5	1906.3	1895.1	1876.5	1859.4	1845.6	1835.7
7.5°	2062.4	2065.3	2058.8	2048.4	2039.5	2023.7	2002.9	1982.4	1953.8	1927.5	1908.0
10°	2172.1	2176.1	2164.9	2149.7	2137.2	2118.7	2088.4	2057.4	2019.7	1983.5	1954.4
12.5°	2255.6	2265.3	2250.9	2248.9	2227.5	2202.1	2165.9	2150.3	2097.3	2046.8	2015.7
15°	2356.9	2356.2	2357.6	2345.0	2329.2	2325.2	2287.0	2245.4	2170.8	2141.1	2089.6
17.5°	2327.6	2337.6	2342.3	2342.1	2341.7	2339.3	2326.9	2300.7	2263.3	2215.2	2155.8
20°	2258.0	2271.1	2273.1	2288.3	2296.9	2308.1	2312.7	2305.4	2282.3	2242.1	2190.6
22.5°	2150.3	2154.0	2160.2	2183.8	2202.4	2230.5	2245.1	2269.5	2260.7	2241.0	2198.0
25°	1963.7	1957.1	1980.1	1992.0	2034.9	2079.7	2112.1	2147.8	2179.4	2198.6	2186.0
27.5°	1739.6	1729.7	1764.3	1795.8	1830.7	1879.2	1929.6	1989.1	2038.6	2100.5	2121.8
30°	1550.6	1556.5	1589.5	1623.2	1675.9	1744.6	1801.3	1866.6	1937.2	2006.6	2054.7
32.5°	1346.9	1369.7	1390.5	1442.1	1488.6	1565.1	1648.2	1729.9	1818.0	1896.8	1971.3
35°	1068.9	1095.3	1124.4	1161.9	1227.3	1303.1	1384.3	1494.5	1614.6	1722.2	1810.6
37.5°	899.7	895.5	912.1	939.4	992.2	1053.5	1146.9	1255.8	1397.1	1523.5	1648.2
40°	798.4	795.7	807.6	832.7	873.0	917.8	999.6	1095.3	1226.6	1381.0	1529.5
42.5°	728.8	730.3	736.9	754.6	782.1	819.1	880.4	961.7	1082.0	1227.4	1387.0
45°	644.0	648.6	655.9	664.4	680.3	710.7	744.9	803.1	898.0	1019.4	1176.5
47.5°	583.0	583.2	590.6	598.1	607.4	624.6	652.6	689.0	756.0	854.9	989.9
50°	550.3	545.7	551.0	556.9	566.8	578.7	597.1	631.5	676.3	756.1	869.0
52.5°	510.1	510.3	515.1	517.3	526.2	538.0	554.9	578.7	619.3	681.7	774.5
55°	452.6	455.9	458.6	462.5	470.5	479.1	492.2	508.1	539.8	586.6	655.2
57.5°	398.6	399.6	402.3	409.7	414.7	422.7	435.2	449.6	470.2	504.9	556.5
60°	361.6	361.6	366.9	370.1	376.8	384.7	394.6	408.5	426.9	455.3	496.9
62.5°	327.8	327.3	329.4	334.8	339.8	347.2	357.1	368.9	386.2	411.5	445.7
65°	278.4	277.2	281.1	282.4	287.7	295.0	302.9	315.4	329.2	347.8	378.1
67.5°	230.9	232.6	234.6	237.1	240.0	247.7	253.0	261.8	273.5	288.9	309.4
70°	204.6	204.6	204.6	206.6	210.5	214.5	219.7	227.0	238.2	251.4	269.8
72.5°	175.0	177.1	179.2	178.1	183.0	185.4	191.7	195.9	206.6	215.0	231.4
75°	137.2	137.2	137.2	140.5	142.5	144.5	148.4	152.4	157.7	168.2	176.8
77.5°	102.4	102.1	102.8	103.6	105.7	108.1	109.3	112.8	117.7	122.6	129.8
80°	79.2	80.5	81.2	82.5	82.5	83.8	84.5	89.1	92.4	95.7	100.3
82.5°	61.2	61.5	61.6	61.9	62.4	63.2	64.9	66.4	67.6	70.3	73.9
85°	35.6	35.0	35.0	36.2	35.6	35.6	36.9	38.2	38.2	38.9	40.9
87.5°	17.0	17.0	17.4	16.8	16.8	17.2	17.0	16.4	16.8	17.2	17.5
90°	16.3	16.0	15.8	15.5	15.2	14.7	14.0	13.4	12.7	12.1	11.0
92.5°	16.3	16.1	15.9	15.8	15.7	15.4	15.1	14.7	14.3	13.9	13.4
95°	25.9	26.1	26.2	26.3	26.4	26.2	25.5	24.9	24.2	23.5	22.6
97.5°	34.6	34.4	34.3	34.1	33.9	33.6	33.1	32.5	32.0	31.4	29.3
100°	40.4	40.1	39.9	39.6	39.3	38.7	37.5	36.5	35.4	34.4	32.1
102.5°	43.3	42.9	42.5	42.2	41.8	40.9	39.5	38.1	36.7	35.3	54.3
105°	45.8	45.3	44.8	44.2	43.7	42.6	41.2	39.7	38.2	36.8	73.4
107.5°	47.1	46.6	46.1	45.5	45.0	45.5	47.0	48.5	49.9	51.5	95.3
110°	47.6	47.1	46.6	46.0	45.5	51.9	65.3	78.7	92.1	105.5	144.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	48.1	47.7	47.3	46.8	46.4	70.6	119.5	168.3	217.2	266.0	275.6
115°	49.4	59.1	68.7	78.4	88.0	123.8	185.8	247.9	309.9	371.9	368.5
117.5°	201.8	233.5	265.2	296.9	328.6	351.9	366.9	381.9	396.9	411.9	409.6
120°	367.6	385.7	403.8	421.9	440.0	448.2	446.6	445.1	443.4	441.8	439.4
122.5°	458.8	462.4	465.8	469.3	472.9	474.2	473.1	472.2	471.2	470.3	467.6
125°	515.3	515.0	514.5	514.1	513.8	513.1	512.1	511.2	510.2	509.3	506.8
127.5°	551.0	551.0	550.9	550.8	550.7	550.0	548.6	547.3	545.9	544.5	542.6
130°	573.3	573.3	573.5	573.6	573.8	573.1	571.6	570.2	568.7	567.2	565.7
132.5°	595.0	595.0	595.2	595.3	595.5	594.9	593.7	592.4	591.1	589.9	588.4
135°	626.3	626.5	626.8	627.1	627.3	626.8	625.4	624.1	622.8	621.5	620.3
137.5°	654.8	655.3	655.7	656.2	656.7	656.3	654.9	653.6	652.3	651.0	649.6
140°	672.7	673.3	674.0	674.7	675.4	675.1	673.9	672.7	671.5	670.3	668.7
142.5°	690.0	690.7	691.4	692.1	692.7	692.5	691.4	690.3	689.2	688.1	686.4
145°	714.3	714.9	715.6	716.3	717.0	716.8	715.8	714.9	714.0	713.1	710.8
147.5°	735.6	736.2	736.8	737.3	737.9	737.8	737.1	736.4	735.7	734.9	732.7
150°	748.6	749.2	749.9	750.6	751.3	751.2	750.4	749.6	748.8	748.0	745.9
152.5°	759.7	760.6	761.5	762.3	763.3	763.3	762.5	761.6	760.9	760.1	758.0
155°	775.2	776.2	777.3	778.3	779.4	779.5	778.8	777.9	777.1	776.4	774.7
157.5°	789.2	790.3	791.3	792.4	793.4	793.5	792.6	791.7	790.7	789.8	788.7
160°	797.5	798.4	799.3	800.2	801.2	801.2	800.5	799.6	798.8	798.1	797.2
162.5°	804.2	805.3	806.5	807.6	808.8	808.9	808.0	807.1	806.2	805.3	804.6
165°	814.3	815.3	816.2	817.1	818.0	818.0	817.1	816.2	815.3	814.3	813.9
167.5°	820.7	821.9	823.1	824.3	825.5	825.6	824.8	823.8	822.9	821.9	821.6
170°	824.6	825.8	827.0	828.2	829.4	829.5	828.5	827.7	826.7	825.8	825.5
172.5°	827.4	828.6	829.8	831.0	832.2	832.4	831.5	830.5	829.6	828.6	828.4
175°	830.0	831.3	832.7	834.0	835.3	835.5	834.6	833.7	832.8	831.8	831.6
177.5°	831.6	832.5	833.4	834.5	835.4	835.5	834.7	834.1	833.3	832.5	832.4
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1761.8	1757.6	1754.9	1745.4	1736.9	1728.5	1725.9	1726.9	1715.3	1704.2	1699.4
5°	1830.4	1817.1	1804.7	1786.8	1765.7	1742.6	1730.7	1721.5	1698.4	1673.4	1658.8
7.5°	1891.9	1873.0	1848.8	1815.3	1784.6	1748.3	1725.2	1704.7	1670.9	1635.6	1613.9
10°	1929.3	1903.6	1872.6	1831.7	1794.1	1749.9	1718.8	1687.8	1648.2	1606.0	1579.6
12.5°	1961.5	1926.8	1896.4	1843.8	1799.3	1744.0	1707.3	1663.5	1621.9	1571.7	1545.8
15°	2038.2	1974.2	1916.2	1856.7	1802.0	1724.8	1683.9	1625.1	1570.4	1508.4	1478.7
17.5°	2097.5	2025.5	1934.1	1858.6	1794.8	1709.3	1649.2	1578.8	1514.1	1443.2	1402.8
20°	2131.2	2048.7	1950.4	1860.7	1784.2	1686.5	1621.2	1549.3	1473.4	1393.5	1350.0
22.5°	2151.3	2064.6	1967.4	1852.8	1763.1	1668.0	1585.8	1507.0	1430.1	1343.9	1298.3
25°	2157.7	2078.5	1975.6	1846.2	1736.6	1629.1	1530.2	1453.6	1360.6	1280.0	1213.4
27.5°	2126.2	2069.5	1970.5	1833.8	1706.2	1580.5	1470.1	1383.4	1285.2	1197.8	1130.8
30°	2087.7	2054.7	1958.3	1821.1	1681.9	1546.6	1425.2	1326.9	1229.2	1140.8	1072.2
32.5°	2028.1	2020.9	1936.2	1803.2	1656.0	1503.9	1378.3	1278.8	1170.7	1083.8	1018.4
35°	1910.9	1942.5	1889.1	1763.1	1607.3	1443.0	1307.1	1193.6	1081.5	998.3	936.9
37.5°	1753.9	1832.5	1818.5	1704.3	1541.6	1376.8	1226.8	1108.1	1001.3	917.3	857.1
40°	1645.6	1745.9	1760.4	1659.5	1495.2	1325.6	1166.6	1048.4	944.2	867.7	806.9
42.5°	1529.5	1646.7	1686.5	1605.6	1444.5	1271.8	1112.8	990.4	887.2	812.8	759.0
45°	1334.8	1489.9	1561.9	1515.6	1359.9	1183.1	1019.4	895.4	801.7	731.8	690.2
47.5°	1152.9	1322.3	1419.0	1402.7	1265.8	1090.7	928.9	809.9	718.7	662.9	625.7
50°	1024.1	1198.3	1315.0	1320.3	1198.3	1024.7	862.4	750.2	666.4	614.3	583.9
52.5°	912.1	1078.4	1205.7	1233.7	1122.7	956.1	802.7	691.1	617.3	569.5	542.3
55°	766.0	906.6	1047.8	1099.2	1010.2	851.9	710.0	611.7	542.3	509.4	485.6
57.5°	636.9	754.1	884.4	941.3	886.4	750.9	617.9	532.4	476.3	447.4	429.1
60°	568.8	661.2	777.3	845.2	797.7	677.0	560.9	479.7	433.5	407.8	390.6
62.5°	505.4	587.3	685.4	747.6	721.7	607.9	503.9	432.2	392.4	368.2	355.8
65°	417.0	481.6	557.6	614.9	597.8	511.3	426.3	364.9	333.2	314.1	304.2
67.5°	343.4	390.1	442.7	493.0	479.1	417.9	349.6	301.8	278.2	261.7	255.7
70°	297.0	332.5	379.4	419.7	408.5	358.3	304.2	263.3	242.8	228.9	223.0
72.5°	252.6	281.9	317.6	350.5	342.9	301.3	256.1	225.2	209.6	196.7	191.9
75°	190.7	213.1	234.9	256.7	254.7	222.4	196.0	172.2	159.7	149.8	147.8
77.5°	140.8	153.3	168.2	181.1	177.5	159.0	138.3	124.7	115.5	108.8	107.8
80°	107.5	114.8	125.4	134.6	130.0	122.1	105.6	95.7	89.1	82.5	79.8
82.5°	78.0	85.2	91.6	96.6	93.1	85.7	75.5	68.8	64.8	60.3	59.2
85°	40.9	44.9	47.5	48.8	47.5	42.9	38.2	35.6	32.4	30.4	29.7
87.5°	17.8	17.6	17.4	18.2	16.3	16.0	13.6	11.7	11.5	11.3	10.5
90°	9.9	8.9	7.7	6.5	5.0	3.5	2.1	0.6	2.1	3.5	5.0
92.5°	12.9	12.4	11.9	11.6	11.8	11.9	12.1	12.1	12.1	11.9	11.8
95°	21.6	20.7	19.7	21.5	25.9	30.3	34.8	39.2	34.8	30.3	25.9
97.5°	27.1	25.0	22.8	27.9	40.4	52.9	65.3	77.7	65.3	52.9	40.4
100°	29.8	27.6	25.2	33.3	51.7	70.0	88.3	106.7	88.3	70.0	51.7
102.5°	73.4	92.5	111.5	123.0	126.8	130.7	134.7	138.5	134.7	130.7	126.8
105°	109.9	146.5	183.0	199.3	195.3	191.3	187.3	183.2	187.3	191.3	195.3
107.5°	139.2	183.0	226.9	247.2	243.9	240.7	237.5	234.2	237.5	240.7	243.9
110°	182.9	221.6	260.3	278.3	275.4	272.7	269.8	267.0	269.8	272.7	275.4



TEST NUMBER: P331591-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	285.2	294.7	304.3	307.8	305.3	302.9	300.4	297.9	300.4	302.9	305.3
115°	365.2	361.9	358.5	355.7	353.4	351.1	348.9	346.6	348.9	351.1	353.4
117.5°	407.3	405.0	402.7	400.3	397.7	395.2	392.6	390.1	392.6	395.2	397.7
120°	437.0	434.5	432.1	430.0	427.9	425.9	424.0	421.9	424.0	425.9	427.9
122.5°	465.0	462.4	459.8	457.4	455.3	453.1	451.1	448.9	451.1	453.1	455.3
125°	504.2	501.7	499.1	497.0	495.2	493.5	491.8	490.0	491.8	493.5	495.2
127.5°	540.7	538.8	536.9	535.0	533.0	531.2	529.2	527.3	529.2	531.2	533.0
130°	564.2	562.7	561.3	559.5	557.3	555.2	553.0	550.9	553.0	555.2	557.3
132.5°	586.9	585.4	583.9	582.3	580.5	578.7	576.9	575.1	576.9	578.7	580.5
135°	619.1	617.9	616.6	614.9	612.8	610.6	608.5	606.4	608.5	610.6	612.8
137.5°	648.2	646.9	645.5	644.0	642.6	641.1	639.6	638.1	639.6	641.1	642.6
140°	667.3	665.8	664.3	663.1	662.0	660.9	659.9	658.8	659.9	660.9	662.0
142.5°	684.8	683.0	681.3	680.0	679.1	678.1	677.1	676.1	677.1	678.1	679.1
145°	708.5	706.2	704.0	702.8	703.0	703.2	703.3	703.4	703.3	703.2	703.0
147.5°	730.5	728.2	726.0	725.1	725.7	726.2	726.7	727.1	726.7	726.2	725.7
150°	743.7	741.6	739.4	738.8	739.8	740.7	741.7	742.6	741.7	740.7	739.8
152.5°	756.0	754.0	751.9	751.4	752.4	753.5	754.6	755.6	754.6	753.5	752.4
155°	773.1	771.5	769.9	769.7	770.9	772.1	773.4	774.6	773.4	772.1	770.9
157.5°	787.6	786.4	785.3	785.3	786.3	787.3	788.3	789.4	788.3	787.3	786.3
160°	796.4	795.7	794.8	794.8	795.7	796.4	797.2	798.1	797.2	796.4	795.7
162.5°	803.9	803.1	802.5	802.5	803.3	804.2	804.9	805.7	804.9	804.2	803.3
165°	813.5	813.1	812.7	812.9	813.7	814.5	815.3	816.1	815.3	814.5	813.7
167.5°	821.1	820.8	820.4	820.6	821.4	822.3	823.0	823.8	823.0	822.3	821.4
170°	825.3	824.9	824.7	824.9	825.8	826.6	827.3	828.2	827.3	826.6	825.8
172.5°	828.1	827.9	827.6	827.9	828.6	829.5	830.3	831.0	830.3	829.5	828.6
175°	831.3	831.0	830.7	831.0	832.0	832.9	833.9	834.8	833.9	832.9	832.0
177.5°	832.3	832.2	832.1	832.4	833.2	833.9	834.7	835.4	834.7	833.9	833.2
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



TEST NUMBER: P331591-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1694.2	1691.0	1679.9	1674.1	1664.7	1655.6	1649.8	1652.5	1654.6	1653.6	1651.9
5°	1645.6	1633.1	1613.9	1597.4	1585.5	1563.8	1554.5	1550.0	1546.0	1541.4	1536.7
7.5°	1587.8	1568.1	1540.6	1517.1	1494.9	1467.8	1452.4	1443.2	1433.7	1423.2	1414.0
10°	1546.6	1518.9	1489.9	1456.9	1430.6	1406.1	1384.3	1369.8	1356.6	1344.1	1334.8
12.5°	1503.4	1471.4	1435.5	1390.4	1361.3	1326.4	1323.1	1297.5	1276.9	1269.1	1258.3
15°	1434.4	1389.6	1344.1	1290.6	1267.6	1235.9	1216.1	1196.3	1178.5	1165.9	1162.6
17.5°	1356.2	1298.1	1252.8	1214.4	1176.6	1144.2	1125.9	1110.1	1095.5	1078.7	1076.4
20°	1296.6	1246.4	1197.0	1163.3	1124.4	1091.3	1068.9	1053.1	1040.5	1030.6	1022.1
22.5°	1240.1	1185.2	1139.9	1103.1	1064.7	1038.0	1020.4	1005.0	994.6	983.7	975.6
25°	1149.4	1106.6	1057.0	1015.5	983.8	966.6	952.1	938.9	932.4	925.1	915.8
27.5°	1070.1	1022.4	976.1	943.9	916.1	901.0	890.6	881.7	875.5	871.2	866.0
30°	1014.2	966.0	929.7	898.0	874.9	859.8	853.2	847.9	840.6	838.0	835.3
32.5°	960.3	916.9	885.9	858.4	836.4	826.5	820.4	815.7	810.0	807.4	802.1
35°	884.2	847.9	817.5	802.4	784.5	775.9	771.4	764.7	759.5	756.8	756.1
37.5°	812.5	781.0	761.0	741.5	734.0	728.8	722.4	717.9	716.4	715.9	715.2
40°	766.0	740.3	722.6	706.7	703.4	695.4	690.2	686.2	686.2	686.9	686.2
42.5°	723.8	700.8	685.0	671.3	667.4	662.7	657.5	657.2	658.2	660.5	658.2
45°	659.9	643.3	632.1	625.5	618.3	613.6	612.9	614.9	615.6	616.3	618.3
47.5°	601.0	590.0	579.9	572.6	569.5	568.6	567.8	571.3	574.5	575.7	578.7
50°	566.1	553.6	545.0	540.4	537.8	536.4	537.8	541.7	544.3	547.7	549.7
52.5°	527.1	518.2	512.3	508.8	507.6	508.5	508.8	513.2	517.5	518.7	519.5
55°	473.1	466.5	465.2	459.3	461.8	461.2	464.5	467.2	471.1	475.1	475.7
57.5°	419.2	414.0	410.4	411.0	411.7	414.7	417.4	422.1	426.3	430.5	430.8
60°	383.4	380.7	378.8	378.8	380.0	384.0	387.3	391.9	394.6	397.2	399.2
62.5°	350.6	348.0	346.0	347.1	350.5	352.8	356.7	359.2	361.9	364.5	365.4
65°	298.9	297.6	299.5	300.9	301.5	304.9	309.4	311.4	314.1	315.4	320.0
67.5°	251.2	251.5	251.2	253.1	256.9	257.7	262.1	266.7	267.3	269.8	272.8
70°	219.0	220.4	221.7	223.0	226.4	227.6	230.9	232.9	235.6	237.5	239.5
72.5°	189.5	189.8	191.1	190.8	193.6	196.5	199.2	201.2	203.9	206.4	208.4
75°	145.9	145.9	147.1	147.8	151.1	154.4	153.8	155.1	157.7	160.3	161.7
77.5°	106.5	105.0	106.5	107.2	108.2	111.0	111.5	113.4	116.4	115.5	116.9
80°	81.2	79.2	81.2	81.8	81.8	85.2	85.2	86.4	88.4	86.4	88.4
82.5°	57.9	57.0	58.5	58.6	59.7	59.8	60.9	61.1	63.1	62.2	63.1
85°	29.0	28.4	29.0	28.4	29.0	29.7	29.7	29.0	29.0	30.4	28.4
87.5°	10.2	10.0	9.6	9.9	9.6	9.3	8.9	9.0	9.1	8.3	8.4
90°	6.5	7.7	8.9	9.9	11.0	12.1	12.7	13.4	14.0	14.7	15.2
92.5°	11.6	11.9	12.4	12.9	13.4	13.9	14.3	14.7	15.1	15.4	15.7
95°	21.5	19.7	20.7	21.6	22.6	23.5	24.2	24.9	25.5	26.2	26.4
97.5°	27.9	22.8	25.0	27.1	29.3	31.4	32.0	32.5	33.1	33.6	33.9
100°	33.3	25.2	27.6	29.8	32.1	34.4	35.4	36.5	37.5	38.7	39.3
102.5°	123.0	111.5	92.5	73.4	54.3	35.3	36.7	38.1	39.5	40.9	41.8
105°	199.3	183.0	146.5	109.9	73.4	36.8	38.2	39.7	41.2	42.6	43.7
107.5°	247.2	226.9	183.0	139.2	95.3	51.5	49.9	48.5	47.0	45.5	45.0
110°	278.3	260.3	221.6	182.9	144.2	105.5	92.1	78.7	65.3	51.9	45.5



TEST NUMBER: P331591-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	307.8	304.3	294.7	285.2	275.6	266.0	217.2	168.3	119.5	70.6	46.4
115°	355.7	358.5	361.9	365.2	368.5	371.9	309.9	247.9	185.8	123.8	88.0
117.5°	400.3	402.7	405.0	407.3	409.6	411.9	396.9	381.9	366.9	351.9	328.6
120°	430.0	432.1	434.5	437.0	439.4	441.8	443.4	445.1	446.6	448.2	440.0
122.5°	457.4	459.8	462.4	465.0	467.6	470.3	471.2	472.2	473.1	474.2	472.9
125°	497.0	499.1	501.7	504.2	506.8	509.3	510.2	511.2	512.1	513.1	513.8
127.5°	535.0	536.9	538.8	540.7	542.6	544.5	545.9	547.3	548.6	550.0	550.7
130°	559.5	561.3	562.7	564.2	565.7	567.2	568.7	570.2	571.6	573.1	573.8
132.5°	582.3	583.9	585.4	586.9	588.4	589.9	591.1	592.4	593.7	594.9	595.5
135°	614.9	616.6	617.9	619.1	620.3	621.5	622.8	624.1	625.4	626.8	627.3
137.5°	644.0	645.5	646.9	648.2	649.6	651.0	652.3	653.6	654.9	656.3	656.7
140°	663.1	664.3	665.8	667.3	668.7	670.3	671.5	672.7	673.9	675.1	675.4
142.5°	680.0	681.3	683.0	684.8	686.4	688.1	689.2	690.3	691.4	692.5	692.7
145°	702.8	704.0	706.2	708.5	710.8	713.1	714.0	714.9	715.8	716.8	717.0
147.5°	725.1	726.0	728.2	730.5	732.7	734.9	735.7	736.4	737.1	737.8	737.9
150°	738.8	739.4	741.6	743.7	745.9	748.0	748.8	749.6	750.4	751.2	751.3
152.5°	751.4	751.9	754.0	756.0	758.0	760.1	760.9	761.6	762.5	763.3	763.3
155°	769.7	769.9	771.5	773.1	774.7	776.4	777.1	777.9	778.8	779.5	779.4
157.5°	785.3	785.3	786.4	787.6	788.7	789.8	790.7	791.7	792.6	793.5	793.4
160°	794.8	794.8	795.7	796.4	797.2	798.1	798.8	799.6	800.5	801.2	801.2
162.5°	802.5	802.5	803.1	803.9	804.6	805.3	806.2	807.1	808.0	808.9	808.8
165°	812.9	812.7	813.1	813.5	813.9	814.3	815.3	816.2	817.1	818.0	818.0
167.5°	820.6	820.4	820.8	821.1	821.6	821.9	822.9	823.8	824.8	825.6	825.5
170°	824.9	824.7	824.9	825.3	825.5	825.8	826.7	827.7	828.5	829.5	829.4
172.5°	827.9	827.6	827.9	828.1	828.4	828.6	829.6	830.5	831.5	832.4	832.2
175°	831.0	830.7	831.0	831.3	831.6	831.8	832.8	833.7	834.6	835.5	835.3
177.5°	832.4	832.1	832.2	832.3	832.4	832.5	833.3	834.1	834.7	835.5	835.4
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



TEST NUMBER: P331591-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1646.7	1645.6	1645.6	1640.9	1645.6	1645.6	1646.7	1651.9	1653.6	1654.6	1652.5
5°	1527.5	1525.5	1522.2	1525.5	1522.2	1525.5	1527.5	1536.7	1541.4	1546.0	1550.0
7.5°	1409.6	1401.7	1400.6	1392.8	1400.6	1401.7	1409.6	1414.0	1423.2	1433.7	1443.2
10°	1323.6	1318.4	1317.7	1305.1	1317.7	1318.4	1323.6	1334.8	1344.1	1356.6	1369.8
12.5°	1258.2	1245.5	1248.0	1240.7	1248.0	1245.5	1258.2	1258.3	1269.1	1276.9	1297.5
15°	1144.8	1144.8	1142.2	1130.9	1142.2	1144.8	1144.8	1162.6	1165.9	1178.5	1196.3
17.5°	1063.4	1062.0	1055.8	1058.9	1055.8	1062.0	1063.4	1076.4	1078.7	1095.5	1110.1
20°	1014.8	1010.9	1003.0	1003.0	1003.0	1010.9	1014.8	1022.1	1030.6	1040.5	1053.1
22.5°	968.9	968.6	960.2	962.9	960.2	968.6	968.9	975.6	983.7	994.6	1005.0
25°	915.2	909.9	905.9	907.9	905.9	909.9	915.2	915.8	925.1	932.4	938.9
27.5°	864.3	861.3	861.1	855.7	861.1	861.3	864.3	866.0	871.2	875.5	881.7
30°	834.7	828.1	829.4	826.1	829.4	828.1	834.7	835.3	838.0	840.6	847.9
32.5°	800.9	798.5	797.2	794.4	797.2	798.5	800.9	802.1	807.4	810.0	815.7
35°	754.8	755.5	752.2	753.5	752.2	755.5	754.8	756.1	756.8	759.5	764.7
37.5°	714.6	716.7	715.1	715.5	715.1	716.7	714.6	715.2	715.9	716.4	717.9
40°	688.2	688.2	688.2	690.2	688.2	688.2	688.2	686.2	686.9	686.2	686.2
42.5°	662.9	661.9	660.7	660.6	660.7	661.9	662.9	658.2	660.5	658.2	657.2
45°	619.6	621.6	622.2	618.9	622.2	621.6	619.6	618.3	616.3	615.6	614.9
47.5°	580.4	580.7	580.4	583.3	580.4	580.7	580.4	578.7	575.7	574.5	571.3
50°	552.9	551.6	552.9	551.6	552.9	551.6	552.9	549.7	547.7	544.3	541.7
52.5°	523.9	524.2	523.4	523.1	523.4	524.2	523.9	519.5	518.7	517.5	513.2
55°	478.4	479.7	479.1	479.1	479.1	479.7	478.4	475.7	475.1	471.1	467.2
57.5°	431.3	432.5	433.3	430.5	433.3	432.5	431.3	430.8	430.5	426.3	422.1
60°	398.6	401.8	401.1	399.8	401.1	401.8	398.6	399.2	397.2	394.6	391.9
62.5°	368.4	369.6	369.5	369.3	369.5	369.6	368.4	365.4	364.5	361.9	359.2
65°	322.0	323.3	321.3	323.3	321.3	323.3	322.0	320.0	315.4	314.1	311.4
67.5°	272.0	272.4	273.8	274.7	273.8	272.4	272.0	272.8	269.8	267.3	266.7
70°	240.8	240.2	242.2	244.2	242.2	240.2	240.8	239.5	237.5	235.6	232.9
72.5°	208.1	209.6	208.9	210.3	208.9	209.6	208.1	208.4	206.4	203.9	201.2
75°	160.3	162.3	161.7	163.7	161.7	162.3	160.3	161.7	160.3	157.7	155.1
77.5°	115.9	116.1	115.9	116.9	115.9	116.1	115.9	116.9	115.5	116.4	113.4
80°	88.4	87.1	85.8	88.4	85.8	87.1	88.4	88.4	86.4	88.4	86.4
82.5°	61.5	62.3	61.0	61.0	61.0	62.3	61.5	63.1	62.2	63.1	61.1
85°	28.4	27.7	26.4	26.4	26.4	27.7	28.4	28.4	30.4	29.0	29.0
87.5°	8.4	7.9	7.9	7.5	7.9	7.9	8.4	8.4	8.3	9.1	9.0
90°	15.5	15.8	16.0	16.3	16.0	15.8	15.5	15.2	14.7	14.0	13.4
92.5°	15.8	15.9	16.1	16.3	16.1	15.9	15.8	15.7	15.4	15.1	14.7
95°	26.3	26.2	26.1	25.9	26.1	26.2	26.3	26.4	26.2	25.5	24.9
97.5°	34.1	34.3	34.4	34.6	34.4	34.3	34.1	33.9	33.6	33.1	32.5
100°	39.6	39.9	40.1	40.4	40.1	39.9	39.6	39.3	38.7	37.5	36.5
102.5°	42.2	42.5	42.9	43.3	42.9	42.5	42.2	41.8	40.9	39.5	38.1
105°	44.2	44.8	45.3	45.8	45.3	44.8	44.2	43.7	42.6	41.2	39.7
107.5°	45.5	46.1	46.6	47.1	46.6	46.1	45.5	45.0	45.5	47.0	48.5
110°	46.0	46.6	47.1	47.6	47.1	46.6	46.0	45.5	51.9	65.3	78.7



TEST NUMBER: P331591-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	46.8	47.3	47.7	48.1	47.7	47.3	46.8	46.4	70.6	119.5	168.3
115°	78.4	68.7	59.1	49.4	59.1	68.7	78.4	88.0	123.8	185.8	247.9
117.5°	296.9	265.2	233.5	201.8	233.5	265.2	296.9	328.6	351.9	366.9	381.9
120°	421.9	403.8	385.7	367.6	385.7	403.8	421.9	440.0	448.2	446.6	445.1
122.5°	469.3	465.8	462.4	458.8	462.4	465.8	469.3	472.9	474.2	473.1	472.2
125°	514.1	514.5	515.0	515.3	515.0	514.5	514.1	513.8	513.1	512.1	511.2
127.5°	550.8	550.9	551.0	551.0	551.0	550.9	550.8	550.7	550.0	548.6	547.3
130°	573.6	573.5	573.3	573.3	573.3	573.5	573.6	573.8	573.1	571.6	570.2
132.5°	595.3	595.2	595.0	595.0	595.0	595.2	595.3	595.5	594.9	593.7	592.4
135°	627.1	626.8	626.5	626.3	626.5	626.8	627.1	627.3	626.8	625.4	624.1
137.5°	656.2	655.7	655.3	654.8	655.3	655.7	656.2	656.7	656.3	654.9	653.6
140°	674.7	674.0	673.3	672.7	673.3	674.0	674.7	675.4	675.1	673.9	672.7
142.5°	692.1	691.4	690.7	690.0	690.7	691.4	692.1	692.7	692.5	691.4	690.3
145°	716.3	715.6	714.9	714.3	714.9	715.6	716.3	717.0	716.8	715.8	714.9
147.5°	737.3	736.8	736.2	735.6	736.2	736.8	737.3	737.9	737.8	737.1	736.4
150°	750.6	749.9	749.2	748.6	749.2	749.9	750.6	751.3	751.2	750.4	749.6
152.5°	762.3	761.5	760.6	759.7	760.6	761.5	762.3	763.3	763.3	762.5	761.6
155°	778.3	777.3	776.2	775.2	776.2	777.3	778.3	779.4	779.5	778.8	777.9
157.5°	792.4	791.3	790.3	789.2	790.3	791.3	792.4	793.4	793.5	792.6	791.7
160°	800.2	799.3	798.4	797.5	798.4	799.3	800.2	801.2	801.2	800.5	799.6
162.5°	807.6	806.5	805.3	804.2	805.3	806.5	807.6	808.8	808.9	808.0	807.1
165°	817.1	816.2	815.3	814.3	815.3	816.2	817.1	818.0	818.0	817.1	816.2
167.5°	824.3	823.1	821.9	820.7	821.9	823.1	824.3	825.5	825.6	824.8	823.8
170°	828.2	827.0	825.8	824.6	825.8	827.0	828.2	829.4	829.5	828.5	827.7
172.5°	831.0	829.8	828.6	827.4	828.6	829.8	831.0	832.2	832.4	831.5	830.5
175°	834.0	832.7	831.3	830.0	831.3	832.7	834.0	835.3	835.5	834.6	833.7
177.5°	834.5	833.4	832.5	831.6	832.5	833.4	834.5	835.4	835.5	834.7	834.1
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



TEST NUMBER: P331591-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1649.8	1655.6	1664.7	1674.1	1679.9	1691.0	1694.2	1699.4	1704.2	1715.3	1726.9
5°	1554.5	1563.8	1585.5	1597.4	1613.9	1633.1	1645.6	1658.8	1673.4	1698.4	1721.5
7.5°	1452.4	1467.8	1494.9	1517.1	1540.6	1568.1	1587.8	1613.9	1635.6	1670.9	1704.7
10°	1384.3	1406.1	1430.6	1456.9	1489.9	1518.9	1546.6	1579.6	1606.0	1648.2	1687.8
12.5°	1323.1	1326.4	1361.3	1390.4	1435.5	1471.4	1503.4	1545.8	1571.7	1621.9	1663.5
15°	1216.1	1235.9	1267.6	1290.6	1344.1	1389.6	1434.4	1478.7	1508.4	1570.4	1625.1
17.5°	1125.9	1144.2	1176.6	1214.4	1252.8	1298.1	1356.2	1402.8	1443.2	1514.1	1578.8
20°	1068.9	1091.3	1124.4	1163.3	1197.0	1246.4	1296.6	1350.0	1393.5	1473.4	1549.3
22.5°	1020.4	1038.0	1064.7	1103.1	1139.9	1185.2	1240.1	1298.3	1343.9	1430.1	1507.0
25°	952.1	966.6	983.8	1015.5	1057.0	1106.6	1149.4	1213.4	1280.0	1360.6	1453.6
27.5°	890.6	901.0	916.1	943.9	976.1	1022.4	1070.1	1130.8	1197.8	1285.2	1383.4
30°	853.2	859.8	874.9	898.0	929.7	966.0	1014.2	1072.2	1140.8	1229.2	1326.9
32.5°	820.4	826.5	836.4	858.4	885.9	916.9	960.3	1018.4	1083.8	1170.7	1278.8
35°	771.4	775.9	784.5	802.4	817.5	847.9	884.2	936.9	998.3	1081.5	1193.6
37.5°	722.4	728.8	734.0	741.5	761.0	781.0	812.5	857.1	917.3	1001.3	1108.1
40°	690.2	695.4	703.4	706.7	722.6	740.3	766.0	806.9	867.7	944.2	1048.4
42.5°	657.5	662.7	667.4	671.3	685.0	700.8	723.8	759.0	812.8	887.2	990.4
45°	612.9	613.6	618.3	625.5	632.1	643.3	659.9	690.2	731.8	801.7	895.4
47.5°	567.8	568.6	569.5	572.6	579.9	590.0	601.0	625.7	662.9	718.7	809.9
50°	537.8	536.4	537.8	540.4	545.0	553.6	566.1	583.9	614.3	666.4	750.2
52.5°	508.8	508.5	507.6	508.8	512.3	518.2	527.1	542.3	569.5	617.3	691.1
55°	464.5	461.2	461.8	459.3	465.2	466.5	473.1	485.6	509.4	542.3	611.7
57.5°	417.4	414.7	411.7	411.0	410.4	414.0	419.2	429.1	447.4	476.3	532.4
60°	387.3	384.0	380.0	378.8	378.8	380.7	383.4	390.6	407.8	433.5	479.7
62.5°	356.7	352.8	350.5	347.1	346.0	348.0	350.6	355.8	368.2	392.4	432.2
65°	309.4	304.9	301.5	300.9	299.5	297.6	298.9	304.2	314.1	333.2	364.9
67.5°	262.1	257.7	256.9	253.1	251.2	251.5	251.2	255.7	261.7	278.2	301.8
70°	230.9	227.6	226.4	223.0	221.7	220.4	219.0	223.0	228.9	242.8	263.3
72.5°	199.2	196.5	193.6	190.8	191.1	189.8	189.5	191.9	196.7	209.6	225.2
75°	153.8	154.4	151.1	147.8	147.1	145.9	145.9	147.8	149.8	159.7	172.2
77.5°	111.5	111.0	108.2	107.2	106.5	105.0	106.5	107.8	108.8	115.5	124.7
80°	85.2	85.2	81.8	81.8	81.2	79.2	81.2	79.8	82.5	89.1	95.7
82.5°	60.9	59.8	59.7	58.6	58.5	57.0	57.9	59.2	60.3	64.8	68.8
85°	29.7	29.7	29.0	28.4	29.0	28.4	29.0	29.7	30.4	32.4	35.6
87.5°	8.9	9.3	9.6	9.9	9.6	10.0	10.2	10.5	11.3	11.5	11.7
90°	12.7	12.1	11.0	9.9	8.9	7.7	6.5	5.0	3.5	2.1	0.6
92.5°	14.3	13.9	13.4	12.9	12.4	11.9	11.6	11.8	11.9	12.1	12.1
95°	24.2	23.5	22.6	21.6	20.7	19.7	21.5	25.9	30.3	34.8	39.2
97.5°	32.0	31.4	29.3	27.1	25.0	22.8	27.9	40.4	52.9	65.3	77.7
100°	35.4	34.4	32.1	29.8	27.6	25.2	33.3	51.7	70.0	88.3	106.7
102.5°	36.7	35.3	54.3	73.4	92.5	111.5	123.0	126.8	130.7	134.7	138.5
105°	38.2	36.8	73.4	109.9	146.5	183.0	199.3	195.3	191.3	187.3	183.2
107.5°	49.9	51.5	95.3	139.2	183.0	226.9	247.2	243.9	240.7	237.5	234.2
110°	92.1	105.5	144.2	182.9	221.6	260.3	278.3	275.4	272.7	269.8	267.0



TEST NUMBER: P331591-935

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CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	217.2	266.0	275.6	285.2	294.7	304.3	307.8	305.3	302.9	300.4	297.9
115°	309.9	371.9	368.5	365.2	361.9	358.5	355.7	353.4	351.1	348.9	346.6
117.5°	396.9	411.9	409.6	407.3	405.0	402.7	400.3	397.7	395.2	392.6	390.1
120°	443.4	441.8	439.4	437.0	434.5	432.1	430.0	427.9	425.9	424.0	421.9
122.5°	471.2	470.3	467.6	465.0	462.4	459.8	457.4	455.3	453.1	451.1	448.9
125°	510.2	509.3	506.8	504.2	501.7	499.1	497.0	495.2	493.5	491.8	490.0
127.5°	545.9	544.5	542.6	540.7	538.8	536.9	535.0	533.0	531.2	529.2	527.3
130°	568.7	567.2	565.7	564.2	562.7	561.3	559.5	557.3	555.2	553.0	550.9
132.5°	591.1	589.9	588.4	586.9	585.4	583.9	582.3	580.5	578.7	576.9	575.1
135°	622.8	621.5	620.3	619.1	617.9	616.6	614.9	612.8	610.6	608.5	606.4
137.5°	652.3	651.0	649.6	648.2	646.9	645.5	644.0	642.6	641.1	639.6	638.1
140°	671.5	670.3	668.7	667.3	665.8	664.3	663.1	662.0	660.9	659.9	658.8
142.5°	689.2	688.1	686.4	684.8	683.0	681.3	680.0	679.1	678.1	677.1	676.1
145°	714.0	713.1	710.8	708.5	706.2	704.0	702.8	703.0	703.2	703.3	703.4
147.5°	735.7	734.9	732.7	730.5	728.2	726.0	725.1	725.7	726.2	726.7	727.1
150°	748.8	748.0	745.9	743.7	741.6	739.4	738.8	739.8	740.7	741.7	742.6
152.5°	760.9	760.1	758.0	756.0	754.0	751.9	751.4	752.4	753.5	754.6	755.6
155°	777.1	776.4	774.7	773.1	771.5	769.9	769.7	770.9	772.1	773.4	774.6
157.5°	790.7	789.8	788.7	787.6	786.4	785.3	785.3	786.3	787.3	788.3	789.4
160°	798.8	798.1	797.2	796.4	795.7	794.8	794.8	795.7	796.4	797.2	798.1
162.5°	806.2	805.3	804.6	803.9	803.1	802.5	802.5	803.3	804.2	804.9	805.7
165°	815.3	814.3	813.9	813.5	813.1	812.7	812.9	813.7	814.5	815.3	816.1
167.5°	822.9	821.9	821.6	821.1	820.8	820.4	820.6	821.4	822.3	823.0	823.8
170°	826.7	825.8	825.5	825.3	824.9	824.7	824.9	825.8	826.6	827.3	828.2
172.5°	829.6	828.6	828.4	828.1	827.9	827.6	827.9	828.6	829.5	830.3	831.0
175°	832.8	831.8	831.6	831.3	831.0	830.7	831.0	832.0	832.9	833.9	834.8
177.5°	833.3	832.5	832.4	832.3	832.2	832.1	832.4	833.2	833.9	834.7	835.4
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



TEST NUMBER: P331591-935

CATALOG NUMBER: S122DIW-S1005D710U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1725.9	1728.5	1736.9	1745.4	1754.9	1757.6	1761.8	1758.1	1757.0	1767.0	1774.4
5°	1730.7	1742.6	1765.7	1786.8	1804.7	1817.1	1830.4	1835.7	1845.6	1859.4	1876.5
7.5°	1725.2	1748.3	1784.6	1815.3	1848.8	1873.0	1891.9	1908.0	1927.5	1953.8	1982.4
10°	1718.8	1749.9	1794.1	1831.7	1872.6	1903.6	1929.3	1954.4	1983.5	2019.7	2057.4
12.5°	1707.3	1744.0	1799.3	1843.8	1896.4	1926.8	1961.5	2015.7	2046.8	2097.3	2150.3
15°	1683.9	1724.8	1802.0	1856.7	1916.2	1974.2	2038.2	2089.6	2141.1	2170.8	2245.4
17.5°	1649.2	1709.3	1794.8	1858.6	1934.1	2025.5	2097.5	2155.8	2215.2	2263.3	2300.7
20°	1621.2	1686.5	1784.2	1860.7	1950.4	2048.7	2131.2	2190.6	2242.1	2282.3	2305.4
22.5°	1585.8	1668.0	1763.1	1852.8	1967.4	2064.6	2151.3	2198.0	2241.0	2260.7	2269.5
25°	1530.2	1629.1	1736.6	1846.2	1975.6	2078.5	2157.7	2186.0	2198.6	2179.4	2147.8
27.5°	1470.1	1580.5	1706.2	1833.8	1970.5	2069.5	2126.2	2121.8	2100.5	2038.6	1989.1
30°	1425.2	1546.6	1681.9	1821.1	1958.3	2054.7	2087.7	2054.7	2006.6	1937.2	1866.6
32.5°	1378.3	1503.9	1656.0	1803.2	1936.2	2020.9	2028.1	1971.3	1896.8	1818.0	1729.9
35°	1307.1	1443.0	1607.3	1763.1	1889.1	1942.5	1910.9	1810.6	1722.2	1614.6	1494.5
37.5°	1226.8	1376.8	1541.6	1704.3	1818.5	1832.5	1753.9	1648.2	1523.5	1397.1	1255.8
40°	1166.6	1325.6	1495.2	1659.5	1760.4	1745.9	1645.6	1529.5	1381.0	1226.6	1095.3
42.5°	1112.8	1271.8	1444.5	1605.6	1686.5	1646.7	1529.5	1387.0	1227.4	1082.0	961.7
45°	1019.4	1183.1	1359.9	1515.6	1561.9	1489.9	1334.8	1176.5	1019.4	898.0	803.1
47.5°	928.9	1090.7	1265.8	1402.7	1419.0	1322.3	1152.9	989.9	854.9	756.0	689.0
50°	862.4	1024.7	1198.3	1320.3	1315.0	1198.3	1024.1	869.0	756.1	676.3	631.5
52.5°	802.7	956.1	1122.7	1233.7	1205.7	1078.4	912.1	774.5	681.7	619.3	578.7
55°	710.0	851.9	1010.2	1099.2	1047.8	906.6	766.0	655.2	586.6	539.8	508.1
57.5°	617.9	750.9	886.4	941.3	884.4	754.1	636.9	556.5	504.9	470.2	449.6
60°	560.9	677.0	797.7	845.2	777.3	661.2	568.8	496.9	455.3	426.9	408.5
62.5°	503.9	607.9	721.7	747.6	685.4	587.3	505.4	445.7	411.5	386.2	368.9
65°	426.3	511.3	597.8	614.9	557.6	481.6	417.0	378.1	347.8	329.2	315.4
67.5°	349.6	417.9	479.1	493.0	442.7	390.1	343.4	309.4	288.9	273.5	261.8
70°	304.2	358.3	408.5	419.7	379.4	332.5	297.0	269.8	251.4	238.2	227.0
72.5°	256.1	301.3	342.9	350.5	317.6	281.9	252.6	231.4	215.0	206.6	195.9
75°	196.0	222.4	254.7	256.7	234.9	213.1	190.7	176.8	168.2	157.7	152.4
77.5°	138.3	159.0	177.5	181.1	168.2	153.3	140.8	129.8	122.6	117.7	112.8
80°	105.6	122.1	130.0	134.6	125.4	114.8	107.5	100.3	95.7	92.4	89.1
82.5°	75.5	85.7	93.1	96.6	91.6	85.2	78.0	73.9	70.3	67.6	66.4
85°	38.2	42.9	47.5	48.8	47.5	44.9	40.9	40.9	38.9	38.2	38.2
87.5°	13.6	16.0	16.3	18.2	17.4	17.6	17.8	17.5	17.2	16.8	16.4
90°	2.1	3.5	5.0	6.5	7.7	8.9	9.9	11.0	12.1	12.7	13.4
92.5°	12.1	11.9	11.8	11.6	11.9	12.4	12.9	13.4	13.9	14.3	14.7
95°	34.8	30.3	25.9	21.5	19.7	20.7	21.6	22.6	23.5	24.2	24.9
97.5°	65.3	52.9	40.4	27.9	22.8	25.0	27.1	29.3	31.4	32.0	32.5
100°	88.3	70.0	51.7	33.3	25.2	27.6	29.8	32.1	34.4	35.4	36.5
102.5°	134.7	130.7	126.8	123.0	111.5	92.5	73.4	54.3	35.3	36.7	38.1
105°	187.3	191.3	195.3	199.3	183.0	146.5	109.9	73.4	36.8	38.2	39.7
107.5°	237.5	240.7	243.9	247.2	226.9	183.0	139.2	95.3	51.5	49.9	48.5
110°	269.8	272.7	275.4	278.3	260.3	221.6	182.9	144.2	105.5	92.1	78.7



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	300.4	302.9	305.3	307.8	304.3	294.7	285.2	275.6	266.0	217.2	168.3
115°	348.9	351.1	353.4	355.7	358.5	361.9	365.2	368.5	371.9	309.9	247.9
117.5°	392.6	395.2	397.7	400.3	402.7	405.0	407.3	409.6	411.9	396.9	381.9
120°	424.0	425.9	427.9	430.0	432.1	434.5	437.0	439.4	441.8	443.4	445.1
122.5°	451.1	453.1	455.3	457.4	459.8	462.4	465.0	467.6	470.3	471.2	472.2
125°	491.8	493.5	495.2	497.0	499.1	501.7	504.2	506.8	509.3	510.2	511.2
127.5°	529.2	531.2	533.0	535.0	536.9	538.8	540.7	542.6	544.5	545.9	547.3
130°	553.0	555.2	557.3	559.5	561.3	562.7	564.2	565.7	567.2	568.7	570.2
132.5°	576.9	578.7	580.5	582.3	583.9	585.4	586.9	588.4	589.9	591.1	592.4
135°	608.5	610.6	612.8	614.9	616.6	617.9	619.1	620.3	621.5	622.8	624.1
137.5°	639.6	641.1	642.6	644.0	645.5	646.9	648.2	649.6	651.0	652.3	653.6
140°	659.9	660.9	662.0	663.1	664.3	665.8	667.3	668.7	670.3	671.5	672.7
142.5°	677.1	678.1	679.1	680.0	681.3	683.0	684.8	686.4	688.1	689.2	690.3
145°	703.3	703.2	703.0	702.8	704.0	706.2	708.5	710.8	713.1	714.0	714.9
147.5°	726.7	726.2	725.7	725.1	726.0	728.2	730.5	732.7	734.9	735.7	736.4
150°	741.7	740.7	739.8	738.8	739.4	741.6	743.7	745.9	748.0	748.8	749.6
152.5°	754.6	753.5	752.4	751.4	751.9	754.0	756.0	758.0	760.1	760.9	761.6
155°	773.4	772.1	770.9	769.7	769.9	771.5	773.1	774.7	776.4	777.1	777.9
157.5°	788.3	787.3	786.3	785.3	785.3	786.4	787.6	788.7	789.8	790.7	791.7
160°	797.2	796.4	795.7	794.8	794.8	795.7	796.4	797.2	798.1	798.8	799.6
162.5°	804.9	804.2	803.3	802.5	802.5	803.1	803.9	804.6	805.3	806.2	807.1
165°	815.3	814.5	813.7	812.9	812.7	813.1	813.5	813.9	814.3	815.3	816.2
167.5°	823.0	822.3	821.4	820.6	820.4	820.8	821.1	821.6	821.9	822.9	823.8
170°	827.3	826.6	825.8	824.9	824.7	824.9	825.3	825.5	825.8	826.7	827.7
172.5°	830.3	829.5	828.6	827.9	827.6	827.9	828.1	828.4	828.6	829.6	830.5
175°	833.9	832.9	832.0	831.0	830.7	831.0	831.3	831.6	831.8	832.8	833.7
177.5°	834.7	833.9	833.2	832.4	832.1	832.2	832.3	832.4	832.5	833.3	834.1
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0	833.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8	1716.8
2.5°	1780.7	1788.1	1788.1	1789.2	1797.6	1796.6	1796.0
5°	1895.1	1906.3	1907.5	1919.4	1927.3	1924.7	1917.4
7.5°	2002.9	2023.7	2039.5	2048.4	2058.8	2065.3	2062.4
10°	2088.4	2118.7	2137.2	2149.7	2164.9	2176.1	2172.1
12.5°	2165.9	2202.1	2227.5	2248.9	2250.9	2265.3	2255.6
15°	2287.0	2325.2	2329.2	2345.0	2357.6	2356.2	2356.9
17.5°	2326.9	2339.3	2341.7	2342.1	2342.3	2337.6	2327.6
20°	2312.7	2308.1	2296.9	2288.3	2273.1	2271.1	2258.0
22.5°	2245.1	2230.5	2202.4	2183.8	2160.2	2154.0	2150.3
25°	2112.1	2079.7	2034.9	1992.0	1980.1	1957.1	1963.7
27.5°	1929.6	1879.2	1830.7	1795.8	1764.3	1729.7	1739.6
30°	1801.3	1744.6	1675.9	1623.2	1589.5	1556.5	1550.6
32.5°	1648.2	1565.1	1488.6	1442.1	1390.5	1369.7	1346.9
35°	1384.3	1303.1	1227.3	1161.9	1124.4	1095.3	1068.9
37.5°	1146.9	1053.5	992.2	939.4	912.1	895.5	899.7
40°	999.6	917.8	873.0	832.7	807.6	795.7	798.4
42.5°	880.4	819.1	782.1	754.6	736.9	730.3	728.8
45°	744.9	710.7	680.3	664.4	655.9	648.6	644.0
47.5°	652.6	624.6	607.4	598.1	590.6	583.2	583.0
50°	597.1	578.7	566.8	556.9	551.0	545.7	550.3
52.5°	554.9	538.0	526.2	517.3	515.1	510.3	510.1
55°	492.2	479.1	470.5	462.5	458.6	455.9	452.6
57.5°	435.2	422.7	414.7	409.7	402.3	399.6	398.6
60°	394.6	384.7	376.8	370.1	366.9	361.6	361.6
62.5°	357.1	347.2	339.8	334.8	329.4	327.3	327.8
65°	302.9	295.0	287.7	282.4	281.1	277.2	278.4
67.5°	253.0	247.7	240.0	237.1	234.6	232.6	230.9
70°	219.7	214.5	210.5	206.6	204.6	204.6	204.6
72.5°	191.7	185.4	183.0	178.1	179.2	177.1	175.0
75°	148.4	144.5	142.5	140.5	137.2	137.2	137.2
77.5°	109.3	108.1	105.7	103.6	102.8	102.1	102.4
80°	84.5	83.8	82.5	82.5	81.2	80.5	79.2
82.5°	64.9	63.2	62.4	61.9	61.6	61.5	61.2
85°	36.9	35.6	35.6	36.2	35.0	35.0	35.6
87.5°	17.0	17.2	16.8	16.8	17.4	17.0	17.0
90°	14.0	14.7	15.2	15.5	15.8	16.0	16.3
92.5°	15.1	15.4	15.7	15.8	15.9	16.1	16.3
95°	25.5	26.2	26.4	26.3	26.2	26.1	25.9
97.5°	33.1	33.6	33.9	34.1	34.3	34.4	34.6
100°	37.5	38.7	39.3	39.6	39.9	40.1	40.4
102.5°	39.5	40.9	41.8	42.2	42.5	42.9	43.3
105°	41.2	42.6	43.7	44.2	44.8	45.3	45.8
107.5°	47.0	45.5	45.0	45.5	46.1	46.6	47.1
110°	65.3	51.9	45.5	46.0	46.6	47.1	47.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	119.5	70.6	46.4	46.8	47.3	47.7	48.1
115°	185.8	123.8	88.0	78.4	68.7	59.1	49.4
117.5°	366.9	351.9	328.6	296.9	265.2	233.5	201.8
120°	446.6	448.2	440.0	421.9	403.8	385.7	367.6
122.5°	473.1	474.2	472.9	469.3	465.8	462.4	458.8
125°	512.1	513.1	513.8	514.1	514.5	515.0	515.3
127.5°	548.6	550.0	550.7	550.8	550.9	551.0	551.0
130°	571.6	573.1	573.8	573.6	573.5	573.3	573.3
132.5°	593.7	594.9	595.5	595.3	595.2	595.0	595.0
135°	625.4	626.8	627.3	627.1	626.8	626.5	626.3
137.5°	654.9	656.3	656.7	656.2	655.7	655.3	654.8
140°	673.9	675.1	675.4	674.7	674.0	673.3	672.7
142.5°	691.4	692.5	692.7	692.1	691.4	690.7	690.0
145°	715.8	716.8	717.0	716.3	715.6	714.9	714.3
147.5°	737.1	737.8	737.9	737.3	736.8	736.2	735.6
150°	750.4	751.2	751.3	750.6	749.9	749.2	748.6
152.5°	762.5	763.3	763.3	762.3	761.5	760.6	759.7
155°	778.8	779.5	779.4	778.3	777.3	776.2	775.2
157.5°	792.6	793.5	793.4	792.4	791.3	790.3	789.2
160°	800.5	801.2	801.2	800.2	799.3	798.4	797.5
162.5°	808.0	808.9	808.8	807.6	806.5	805.3	804.2
165°	817.1	818.0	818.0	817.1	816.2	815.3	814.3
167.5°	824.8	825.6	825.5	824.3	823.1	821.9	820.7
170°	828.5	829.5	829.4	828.2	827.0	825.8	824.6
172.5°	831.5	832.4	832.2	831.0	829.8	828.6	827.4
175°	834.6	835.5	835.3	834.0	832.7	831.3	830.0
177.5°	834.7	835.5	835.4	834.5	833.4	832.5	831.6
180°	833.0	833.0	833.0	833.0	833.0	833.0	833.0

(END OF REPORT)