

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: P332454-935

Luminaire Tested: **S123RDIW-S1000D755U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332454-935  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-5,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S123RDIW-S1000D755U935-4F0-1E-UDD-A  
Description: DEFINE 3 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1000 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 755 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

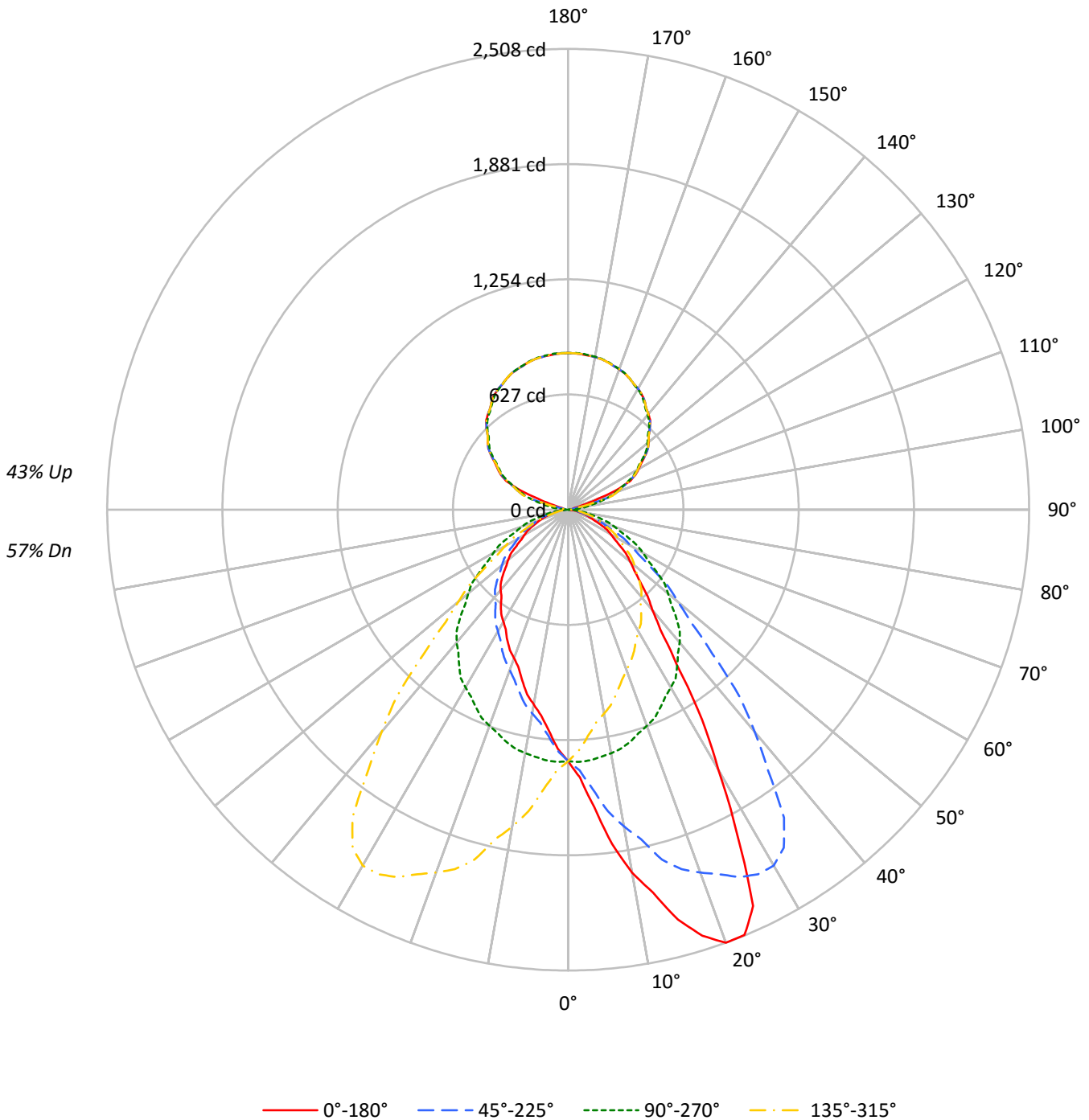
Lumens per Lamp: N/A  
Luminaire Lumens: 6011.0 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.36  
Luminous Opening: Rectangular (W 4' x L: 0.25' x H: 0')  
CIE Type: General Diffuse  
  
Input Watts (W): 53.6  
Input Voltage (V): 120  
Input Current (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	0
RCR																		
0	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	100	96	92	89	93	89	86	83	77	75	73	66	65	63	56	55	54	49
2	92	84	79	74	85	79	74	70	69	65	61	59	56	54	50	48	46	42
3	84	75	68	62	78	70	64	59	61	56	52	53	49	46	45	42	40	37
4	77	67	59	53	72	63	56	51	55	49	45	47	43	40	41	38	35	32
5	71	60	52	46	66	56	49	44	49	44	40	43	39	35	37	34	31	28
6	66	54	46	40	61	51	44	38	45	39	35	39	35	31	34	30	28	25
7	61	49	41	36	57	46	39	34	41	35	31	36	31	28	31	27	25	22
8	57	45	37	32	53	42	35	30	37	32	28	33	28	25	29	25	22	20
9	53	41	33	28	49	39	32	27	34	29	25	30	26	23	26	23	20	18
10	49	38	30	26	46	36	29	25	32	26	23	28	24	21	25	21	19	17

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

	0°	90°	180°	270°
0°	14733	14733	14733	14733
5°	17562	14795	13029	14795
10°	21928	14711	11770	14711
15°	25740	14561	10735	14561
20°	28726	14336	9852	14336
25°	28268	14099	9311	14099
30°	20319	13881	8754	13881
35°	13566	13596	8393	13596
40°	9996	13256	8019	13256
45°	8385	12657	7652	12657
50°	7398	11871	7142	11871
55°	6488	10975	6444	10975
60°	5778	10116	5903	10116
65°	5074	9192	5491	9192
70°	3984	8371	5017	8371
75°	3510	7311	4579	7311
80°	3050	6211	4506	6211
85°	2458	5002	4780	5002



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.6	2.2
10°-20°	420.5	7.0
20°-30°	660.6	11.0
30°-40°	689.3	11.5
40°-50°	589.9	9.8
50°-60°	449.6	7.5
60°-70°	288.2	4.8
70°-80°	138.6	2.3
80°-90°	39.1	0.7
90°-100°	31.0	0.5
100°-110°	147.8	2.5
110°-120°	355.0	5.9
120°-130°	452.0	7.5
130°-140°	482.9	8.0
140°-150°	451.6	7.5
150°-160°	364.3	6.1
160°-170°	235.1	3.9
170°-180°	81.0	1.3
0°-30°	1215.8	20.2
0°-40°	1905.0	31.7
0°-60°	2944.5	49.0
0°-90°	3410.4	56.7
90°-120°	533.7	8.9
90°-150°	1920.2	31.9
90°-180°	2601.0	43.3
0°-180°	6011.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1369	1369	1369	1369	1369	
5°	1625	1369	1206	1369	1625	168
15°	2310	1307	963	1307	2310	655
25°	2380	1187	784	1187	2380	1023
35°	1032	1035	639	1035	1032	677
45°	551	832	503	832	551	433
55°	346	585	343	585	346	313
65°	199	361	216	361	199	196
75°	84	176	110	176	84	90
85°	20	40	39	40	20	23
90°	19	1	19	1	19	9
95°	24	39	24	39	24	20
105°	28	189	28	189	28	64
115°	373	354	373	354	373	344
125°	509	499	509	499	509	455
135°	628	622	628	622	628	484
145°	724	717	724	717	724	452
155°	789	790	789	790	789	364
165°	831	833	831	833	831	235
175°	850	853	850	853	850	81
180°	853	853	853	853	853	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1457.8	1459.7	1453.6	1452.7	1445.6	1443.7	1443.7	1433.9	1427.8	1419.9	1415.1
5°	1625.4	1634.8	1630.0	1619.5	1602.0	1597.8	1586.7	1569.2	1549.2	1524.6	1512.9
7.5°	1834.7	1847.4	1842.5	1826.3	1807.8	1792.9	1761.6	1732.4	1691.5	1655.6	1625.0
10°	2006.2	1992.8	1982.2	1966.4	1949.4	1921.8	1889.0	1843.9	1791.8	1750.8	1705.1
12.5°	2134.7	2132.4	2119.1	2102.8	2078.8	2052.6	2012.3	1957.4	1896.8	1837.5	1785.2
15°	2309.8	2313.2	2304.5	2287.5	2253.5	2207.3	2146.3	2123.5	2036.7	1972.3	1907.8
17.5°	2430.9	2430.3	2429.1	2405.5	2370.8	2337.9	2281.4	2221.3	2142.8	2051.9	1965.1
20°	2507.8	2502.0	2503.1	2476.8	2451.0	2412.9	2357.8	2270.5	2206.1	2101.2	2011.6
22.5°	2505.9	2504.7	2509.2	2500.2	2481.5	2452.3	2408.9	2335.2	2252.9	2147.1	2046.3
25°	2380.1	2375.4	2403.0	2410.5	2440.4	2445.7	2432.8	2392.4	2314.5	2205.5	2080.7
27.5°	1991.9	1989.3	2040.5	2104.5	2185.6	2248.6	2309.5	2339.0	2314.5	2236.4	2111.3
30°	1634.8	1689.9	1715.6	1808.2	1911.3	2034.4	2142.2	2244.7	2269.9	2235.9	2133.4
32.5°	1357.3	1405.3	1426.8	1506.3	1602.4	1746.5	1908.3	2053.5	2156.0	2182.0	2120.3
35°	1032.4	1033.0	1082.2	1117.4	1206.4	1354.7	1511.7	1706.2	1899.6	2046.1	2061.3
37.5°	823.8	826.7	856.5	891.6	958.4	1036.7	1175.0	1336.8	1560.1	1785.0	1916.8
40°	711.4	716.6	738.9	773.4	821.5	880.6	988.5	1140.8	1327.1	1577.4	1781.8
42.5°	639.1	647.7	659.2	685.8	715.6	770.9	858.2	975.9	1145.3	1381.9	1617.8
45°	550.8	555.4	564.3	576.5	603.5	642.2	700.8	779.9	920.5	1110.9	1347.0
47.5°	485.9	483.4	492.7	502.7	520.6	546.9	586.2	650.7	751.1	903.9	1104.1
50°	441.8	441.2	447.6	455.3	472.3	491.6	523.8	572.5	652.1	778.7	962.1
52.5°	400.5	402.8	407.3	416.8	429.1	444.7	473.6	508.7	577.1	686.4	839.3
55°	345.7	347.5	353.9	359.2	368.0	383.7	401.9	431.3	478.1	554.3	680.3
57.5°	299.3	298.5	304.7	306.0	315.9	328.8	342.9	365.7	399.6	456.2	541.1
60°	268.4	266.6	271.9	276.0	281.3	291.8	303.5	325.8	352.8	394.3	467.0
62.5°	240.2	239.4	243.3	247.4	251.8	261.3	271.2	288.3	309.6	344.7	402.3
65°	199.2	201.0	202.8	204.5	206.8	212.7	222.1	233.8	248.4	273.0	314.6
67.5°	156.5	158.3	158.9	162.6	167.6	171.3	176.9	187.4	197.6	218.3	242.0
70°	126.6	126.0	126.6	128.3	134.7	141.2	148.9	156.4	162.9	177.5	197.4
72.5°	108.7	107.7	109.3	109.6	112.7	114.5	119.3	126.5	134.7	144.7	159.0
75°	84.4	84.4	84.4	84.4	86.7	87.9	89.6	91.4	94.4	99.0	109.6
77.5°	62.3	62.4	63.3	63.9	64.3	65.0	66.1	67.8	68.9	71.4	75.9
80°	49.2	49.8	49.2	49.8	49.8	51.0	51.6	53.3	53.9	56.8	58.6
82.5°	37.0	36.7	37.0	37.6	37.6	38.8	38.9	40.2	40.3	41.8	43.6
85°	19.9	18.8	19.9	19.4	20.5	19.4	19.9	21.1	21.1	21.7	24.0
87.5°	8.5	9.4	8.4	8.8	8.7	9.1	9.0	8.9	9.7	9.1	9.2
90°	19.0	18.7	18.4	18.2	17.9	17.5	16.9	16.4	15.8	15.2	13.3
92.5°	21.0	20.8	20.7	20.5	20.3	19.8	18.9	18.0	17.1	16.2	14.8
95°	24.1	24.1	24.1	24.1	24.1	23.6	22.6	21.6	20.7	19.6	18.1
97.5°	26.1	26.0	25.8	25.7	25.6	24.9	23.8	22.6	21.5	20.4	30.6
100°	26.6	26.4	26.3	26.2	26.1	25.4	24.3	23.2	22.0	20.9	42.9
102.5°	27.1	26.9	26.6	26.3	26.1	27.7	31.3	34.7	38.2	41.7	65.7
105°	27.9	27.6	27.3	27.0	26.8	39.1	64.0	88.9	113.8	138.8	151.4
107.5°	87.6	106.3	125.1	143.9	162.7	181.2	199.5	217.7	236.0	254.3	252.4
110°	174.3	194.3	214.5	234.6	254.8	267.2	271.8	276.5	281.1	285.8	284.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	298.9	303.2	307.5	311.7	315.9	318.1	318.0	317.9	317.8	317.7	316.2
115°	372.6	372.0	371.4	370.8	370.3	369.3	367.9	366.5	365.1	363.7	362.4
117.5°	413.9	413.7	413.6	413.5	413.4	412.8	411.6	410.5	409.4	408.3	407.6
120°	442.2	442.2	442.2	442.2	442.2	441.7	440.6	439.5	438.3	437.1	436.8
122.5°	470.1	470.0	469.8	469.8	469.7	469.2	468.4	467.6	466.8	466.1	465.5
125°	509.4	509.1	508.9	508.6	508.2	508.0	507.7	507.4	507.1	506.9	506.3
127.5°	547.2	547.4	547.7	548.0	548.3	548.2	547.8	547.3	546.8	546.4	545.7
130°	571.4	571.8	572.0	572.3	572.7	572.5	571.9	571.4	570.8	570.2	569.6
132.5°	593.7	594.2	594.6	595.0	595.4	595.3	594.7	594.2	593.6	593.1	592.5
135°	627.8	628.3	628.7	629.1	629.6	629.6	629.1	628.7	628.3	627.8	627.3
137.5°	660.0	660.2	660.5	660.8	661.1	660.9	660.2	659.5	658.8	658.1	657.9
140°	679.2	679.5	679.8	680.0	680.4	680.2	679.6	679.1	678.5	678.0	677.5
142.5°	696.9	697.3	697.8	698.1	698.5	698.4	698.0	697.6	697.2	696.7	696.3
145°	724.2	724.2	724.2	724.2	724.2	724.0	723.8	723.5	723.2	722.9	722.6
147.5°	744.4	745.1	745.7	746.4	747.0	747.3	746.9	746.7	746.4	746.1	745.8
150°	759.7	760.1	760.5	761.0	761.4	761.4	761.1	760.9	760.6	760.3	760.0
152.5°	771.8	772.5	773.1	773.8	774.4	774.5	774.0	773.4	772.9	772.5	772.3
155°	788.8	789.6	790.5	791.3	792.2	792.3	791.5	790.8	790.1	789.5	789.3
157.5°	803.1	804.3	805.3	806.4	807.5	807.6	806.8	806.0	805.1	804.3	804.4
160°	812.3	813.2	814.2	815.2	816.2	816.2	815.5	814.6	813.7	812.9	813.0
162.5°	820.9	821.7	822.6	823.5	824.3	824.3	823.4	822.4	821.5	820.4	820.6
165°	831.2	832.2	833.2	834.2	835.2	835.1	834.0	832.8	831.7	830.6	830.8
167.5°	838.7	839.8	840.9	842.1	843.3	843.3	842.1	840.9	839.8	838.7	838.7
170°	843.3	844.4	845.5	846.7	847.8	847.8	846.7	845.5	844.4	843.3	843.3
172.5°	845.8	847.1	848.3	849.5	850.8	850.8	849.7	848.6	847.5	846.4	846.2
175°	849.6	850.8	851.9	853.0	854.1	854.2	853.3	852.2	851.3	850.2	850.2
177.5°	850.8	851.9	853.0	854.1	855.2	855.4	854.5	853.6	852.6	851.8	851.7
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1413.2	1411.9	1405.3	1397.8	1387.9	1381.4	1376.2	1373.5	1365.0	1354.7	1347.6
5°	1500.6	1483.0	1464.3	1441.4	1420.3	1398.6	1385.2	1369.3	1350.0	1328.4	1313.1
7.5°	1594.1	1559.6	1522.5	1484.2	1446.3	1412.4	1382.3	1356.7	1325.9	1294.8	1273.0
10°	1665.9	1615.4	1563.3	1509.9	1461.3	1415.7	1380.4	1345.9	1309.0	1273.2	1246.3
12.5°	1731.0	1664.7	1604.6	1539.0	1476.8	1422.2	1371.6	1330.9	1286.5	1248.4	1217.7
15°	1813.4	1745.5	1672.8	1573.2	1490.6	1421.5	1359.9	1306.7	1252.8	1205.8	1176.0
17.5°	1890.6	1788.3	1690.7	1607.6	1500.2	1413.8	1338.8	1275.0	1215.8	1166.1	1129.4
20°	1922.4	1823.4	1717.4	1611.4	1505.9	1409.2	1321.9	1251.5	1190.1	1133.8	1099.8
22.5°	1941.6	1829.5	1717.9	1603.9	1491.8	1391.4	1305.0	1227.7	1161.0	1107.5	1065.6
25°	1964.0	1830.5	1707.4	1594.9	1480.7	1371.7	1269.1	1187.1	1115.1	1058.2	1013.7
27.5°	1978.8	1821.7	1676.3	1551.2	1435.3	1326.8	1232.8	1145.8	1072.7	1012.6	964.8
30°	1981.7	1814.6	1652.3	1517.0	1399.2	1299.6	1200.0	1116.8	1039.5	975.6	931.1
32.5°	1985.4	1797.3	1620.0	1476.2	1355.6	1257.0	1166.7	1087.3	1008.1	945.1	899.7
35°	1970.0	1787.7	1570.9	1405.7	1285.0	1189.5	1108.0	1034.7	956.8	895.9	849.6
37.5°	1903.3	1749.6	1520.0	1326.2	1200.0	1111.6	1045.2	981.4	909.8	844.1	800.5
40°	1836.3	1712.1	1480.7	1277.9	1146.1	1055.2	995.5	943.4	874.3	812.7	765.9
42.5°	1736.5	1661.0	1443.2	1227.3	1085.1	997.6	947.2	898.4	837.7	775.2	731.2
45°	1553.3	1563.3	1366.4	1146.7	1000.7	912.9	865.4	831.5	777.6	726.0	680.9
47.5°	1323.6	1416.8	1276.3	1060.8	911.8	829.3	787.8	758.2	721.9	671.2	630.1
50°	1173.6	1306.7	1204.1	1003.2	856.1	774.0	733.0	708.9	677.3	637.5	598.2
52.5°	1035.4	1178.2	1116.9	938.9	795.6	720.6	680.5	660.7	635.6	598.1	562.6
55°	844.3	989.0	975.0	842.0	704.9	637.5	607.0	584.8	567.7	539.7	511.5
57.5°	682.9	820.2	827.4	734.2	625.0	558.4	532.2	515.4	504.3	483.0	457.0
60°	581.3	707.2	731.8	661.5	567.7	509.2	483.4	469.9	461.2	444.1	424.2
62.5°	496.9	604.1	632.0	581.3	512.9	458.1	437.9	424.9	419.0	404.3	386.8
65°	380.3	469.3	496.3	468.1	432.4	388.5	372.0	360.9	355.7	347.5	334.6
67.5°	285.9	350.9	380.4	360.6	347.7	319.9	309.5	303.5	298.9	293.2	282.4
70°	229.7	277.8	308.2	302.9	292.4	277.8	270.1	266.0	261.3	256.7	247.3
72.5°	184.7	217.7	246.3	249.0	240.4	237.5	230.7	229.0	226.2	220.6	215.4
75°	122.4	145.3	165.2	172.9	176.3	179.3	176.3	175.8	175.2	170.5	167.6
77.5°	80.2	92.6	105.1	118.1	123.6	127.6	128.5	130.7	129.2	126.7	125.3
80°	61.6	64.5	73.3	84.4	93.2	96.7	99.0	100.2	99.6	99.0	96.7
82.5°	44.7	47.1	51.2	59.1	66.5	72.3	73.7	73.4	74.7	75.1	73.3
85°	24.0	24.6	25.7	26.9	31.1	37.5	39.3	40.5	41.6	41.6	38.1
87.5°	9.8	9.0	9.6	9.2	10.3	10.5	13.1	15.2	15.8	14.3	14.6
90°	11.5	9.7	7.9	6.3	4.8	3.4	2.1	0.6	2.1	3.4	4.8
92.5°	13.4	12.1	10.7	10.2	10.6	11.0	11.4	11.8	11.4	11.0	10.6
95°	16.5	15.0	13.4	15.6	21.4	27.1	32.9	38.7	32.9	27.1	21.4
97.5°	40.6	50.8	61.0	67.3	69.9	72.5	75.1	77.7	75.1	72.5	69.9
100°	64.8	86.8	108.7	118.3	115.5	112.7	109.9	107.1	109.9	112.7	115.5
102.5°	89.6	113.7	137.7	148.6	146.6	144.6	142.6	140.5	142.6	144.6	146.6
105°	164.1	176.8	189.4	195.0	193.5	191.9	190.4	188.8	190.4	191.9	193.5
107.5°	250.3	248.3	246.3	244.7	243.5	242.2	241.0	239.7	241.0	242.2	243.5
110°	282.7	281.1	279.6	278.2	277.1	276.0	274.8	273.7	274.8	276.0	277.1





TEST NUMBER: P332454-935

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	314.6	313.1	311.5	310.2	309.2	308.2	307.1	306.2	307.1	308.2	309.2
115°	361.1	359.9	358.6	357.6	356.7	355.9	355.0	354.1	355.0	355.9	356.7
117.5°	407.0	406.3	405.7	404.8	403.8	402.8	401.7	400.7	401.7	402.8	403.8
120°	436.4	435.9	435.5	434.6	433.3	432.1	430.8	429.6	430.8	432.1	433.3
122.5°	465.0	464.4	463.9	463.1	462.1	461.1	460.0	459.0	460.0	461.1	462.1
125°	505.8	505.1	504.6	503.8	502.7	501.5	500.4	499.3	500.4	501.5	502.7
127.5°	545.0	544.4	543.7	542.8	541.7	540.5	539.4	538.3	539.4	540.5	541.7
130°	569.1	568.5	568.0	567.1	566.0	564.9	563.8	562.6	563.8	564.9	566.0
132.5°	592.1	591.7	591.2	590.5	589.3	588.1	587.0	585.9	587.0	588.1	589.3
135°	626.7	626.2	625.6	624.9	624.1	623.2	622.4	621.6	622.4	623.2	624.1
137.5°	657.5	657.2	656.9	656.3	655.1	654.1	653.0	651.9	653.0	654.1	655.1
140°	677.1	676.7	676.2	675.6	674.8	673.9	673.0	672.2	673.0	673.9	674.8
142.5°	695.9	695.4	695.0	694.4	693.5	692.7	691.8	691.0	691.8	692.7	693.5
145°	722.4	722.0	721.8	721.2	720.1	719.2	718.2	717.2	718.2	719.2	720.1
147.5°	745.5	745.3	744.9	744.5	743.8	743.2	742.5	741.9	742.5	743.2	743.8
150°	759.7	759.5	759.1	758.8	758.4	757.9	757.5	757.2	757.5	757.9	758.4
152.5°	772.1	772.0	771.8	771.6	771.4	771.2	771.0	770.8	771.0	771.2	771.4
155°	789.2	789.0	788.8	788.9	789.2	789.5	789.8	790.1	789.8	789.5	789.2
157.5°	804.5	804.7	804.9	804.9	804.9	804.9	805.0	805.0	805.0	804.9	804.9
160°	813.1	813.3	813.5	813.6	813.7	813.9	814.0	814.2	814.0	813.9	813.7
162.5°	820.8	820.9	821.0	821.3	821.7	822.0	822.4	822.8	822.4	822.0	821.7
165°	830.9	831.0	831.2	831.5	831.9	832.3	832.8	833.2	832.8	832.3	831.9
167.5°	838.7	838.7	838.7	839.0	839.6	840.2	840.7	841.3	840.7	840.2	839.6
170°	843.3	843.3	843.3	843.6	844.1	844.7	845.2	845.8	845.2	844.7	844.1
172.5°	846.1	846.0	845.8	846.2	846.9	847.5	848.2	848.9	848.2	847.5	846.9
175°	850.0	849.8	849.7	850.0	850.7	851.4	852.0	852.8	852.0	851.4	850.7
177.5°	851.5	851.4	851.4	851.5	852.1	852.6	853.3	853.8	853.3	852.6	852.1
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332454-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1345.3	1339.2	1335.0	1325.6	1319.6	1312.9	1306.4	1310.6	1310.2	1309.7	1309.7
5°	1300.2	1286.7	1274.5	1258.6	1248.6	1236.3	1226.9	1225.8	1228.1	1220.0	1215.2
7.5°	1255.4	1237.0	1219.6	1202.1	1183.6	1168.8	1159.6	1155.2	1149.3	1144.2	1138.9
10°	1224.0	1202.4	1185.3	1163.6	1143.8	1126.2	1115.1	1107.4	1103.3	1099.2	1091.6
12.5°	1191.7	1170.4	1148.8	1124.3	1105.4	1084.9	1076.6	1068.1	1060.2	1055.6	1045.2
15°	1144.4	1116.8	1094.0	1068.2	1047.1	1027.2	1015.5	998.4	996.1	990.2	979.7
17.5°	1096.9	1067.0	1035.4	1016.4	992.6	971.8	954.0	948.3	931.5	925.2	916.0
20°	1059.4	1031.8	1007.8	982.7	948.0	928.7	914.6	907.1	893.5	885.4	879.5
22.5°	1027.0	999.0	971.3	941.8	913.3	891.7	881.4	869.5	862.1	850.7	844.3
25°	980.9	950.4	917.0	885.4	864.9	848.4	832.1	821.5	811.0	805.6	793.9
27.5°	927.2	895.4	864.1	840.1	814.9	798.7	783.9	774.5	761.8	752.9	746.5
30°	897.7	860.1	833.2	811.5	779.3	764.1	752.9	741.2	731.8	722.5	716.0
32.5°	863.4	829.2	803.7	776.9	752.1	735.5	721.1	710.8	702.7	693.9	687.4
35°	809.8	781.1	754.7	727.7	709.6	692.6	675.6	666.8	659.2	651.0	645.1
37.5°	761.2	734.4	709.4	683.8	661.2	647.5	633.8	627.1	616.7	611.2	605.3
40°	731.2	704.9	678.0	653.3	629.9	619.3	607.0	597.1	587.7	583.6	577.1
42.5°	698.4	672.1	649.4	622.8	603.6	589.4	578.0	567.1	560.1	554.1	550.4
45°	649.8	626.4	604.1	577.7	559.6	547.3	534.3	524.4	518.0	513.8	507.4
47.5°	602.6	579.1	556.6	533.6	516.0	501.9	489.0	482.1	473.6	468.6	464.2
50°	568.3	547.3	523.2	502.1	484.6	470.5	459.9	451.2	443.6	437.1	434.2
52.5°	536.9	514.4	493.7	474.1	455.5	439.5	430.0	420.7	415.0	407.6	404.2
55°	485.2	463.5	445.9	426.5	408.4	394.9	383.2	375.0	369.1	360.9	356.3
57.5°	436.5	417.1	396.1	379.4	360.6	349.2	339.5	328.4	321.2	314.8	310.2
60°	403.7	381.4	363.3	347.5	331.1	316.4	307.6	298.9	291.2	284.7	280.7
62.5°	369.5	350.1	332.8	315.6	300.6	287.8	277.6	270.3	263.6	259.4	255.4
65°	317.0	301.8	284.2	270.1	256.1	246.7	238.5	232.0	227.3	224.4	220.9
67.5°	268.7	253.9	238.6	224.8	215.4	208.3	202.9	197.3	195.0	191.2	188.9
70°	237.3	222.1	208.6	198.0	188.6	183.4	179.9	175.8	173.4	168.8	166.4
72.5°	203.1	192.1	182.4	173.7	166.2	161.4	156.9	151.9	148.1	142.9	140.6
75°	160.0	150.0	142.4	136.6	131.8	125.4	118.9	113.7	111.9	110.1	109.6
77.5°	118.5	112.2	106.7	101.7	95.8	91.2	89.8	88.6	88.3	87.3	87.3
80°	93.2	87.3	83.2	77.3	73.8	73.8	73.8	72.7	73.3	73.3	73.3
82.5°	69.2	63.9	61.6	59.5	58.8	59.3	59.3	59.5	59.2	60.1	59.7
85°	35.7	36.3	37.5	36.9	37.5	37.5	38.7	38.1	38.7	37.5	38.7
87.5°	14.4	16.1	17.0	17.7	18.6	18.5	19.1	19.2	19.8	19.9	20.0
90°	6.3	7.9	9.7	11.5	13.3	15.2	15.8	16.4	16.9	17.5	17.9
92.5°	10.2	10.7	12.1	13.4	14.8	16.2	17.1	18.0	18.9	19.8	20.3
95°	15.6	13.4	15.0	16.5	18.1	19.6	20.7	21.6	22.6	23.6	24.1
97.5°	67.3	61.0	50.8	40.6	30.6	20.4	21.5	22.6	23.8	24.9	25.6
100°	118.3	108.7	86.8	64.8	42.9	20.9	22.0	23.2	24.3	25.4	26.1
102.5°	148.6	137.7	113.7	89.6	65.7	41.7	38.2	34.7	31.3	27.7	26.1
105°	195.0	189.4	176.8	164.1	151.4	138.8	113.8	88.9	64.0	39.1	26.8
107.5°	244.7	246.3	248.3	250.3	252.4	254.3	236.0	217.7	199.5	181.2	162.7
110°	278.2	279.6	281.1	282.7	284.2	285.8	281.1	276.5	271.8	267.2	254.8



TEST NUMBER: P332454-935

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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	310.2	311.5	313.1	314.6	316.2	317.7	317.8	317.9	318.0	318.1	315.9
115°	357.6	358.6	359.9	361.1	362.4	363.7	365.1	366.5	367.9	369.3	370.3
117.5°	404.8	405.7	406.3	407.0	407.6	408.3	409.4	410.5	411.6	412.8	413.4
120°	434.6	435.5	435.9	436.4	436.8	437.1	438.3	439.5	440.6	441.7	442.2
122.5°	463.1	463.9	464.4	465.0	465.5	466.1	466.8	467.6	468.4	469.2	469.7
125°	503.8	504.6	505.1	505.8	506.3	506.9	507.1	507.4	507.7	508.0	508.2
127.5°	542.8	543.7	544.4	545.0	545.7	546.4	546.8	547.3	547.8	548.2	548.3
130°	567.1	568.0	568.5	569.1	569.6	570.2	570.8	571.4	571.9	572.5	572.7
132.5°	590.5	591.2	591.7	592.1	592.5	593.1	593.6	594.2	594.7	595.3	595.4
135°	624.9	625.6	626.2	626.7	627.3	627.8	628.3	628.7	629.1	629.6	629.6
137.5°	656.3	656.9	657.2	657.5	657.9	658.1	658.8	659.5	660.2	660.9	661.1
140°	675.6	676.2	676.7	677.1	677.5	678.0	678.5	679.1	679.6	680.2	680.4
142.5°	694.4	695.0	695.4	695.9	696.3	696.7	697.2	697.6	698.0	698.4	698.5
145°	721.2	721.8	722.0	722.4	722.6	722.9	723.2	723.5	723.8	724.0	724.2
147.5°	744.5	744.9	745.3	745.5	745.8	746.1	746.4	746.7	746.9	747.3	747.0
150°	758.8	759.1	759.5	759.7	760.0	760.3	760.6	760.9	761.1	761.4	761.4
152.5°	771.6	771.8	772.0	772.1	772.3	772.5	772.9	773.4	774.0	774.5	774.4
155°	788.9	788.8	789.0	789.2	789.3	789.5	790.1	790.8	791.5	792.3	792.2
157.5°	804.9	804.9	804.7	804.5	804.4	804.3	805.1	806.0	806.8	807.6	807.5
160°	813.6	813.5	813.3	813.1	813.0	812.9	813.7	814.6	815.5	816.2	816.2
162.5°	821.3	821.0	820.9	820.8	820.6	820.4	821.5	822.4	823.4	824.3	824.3
165°	831.5	831.2	831.0	830.9	830.8	830.6	831.7	832.8	834.0	835.1	835.2
167.5°	839.0	838.7	838.7	838.7	838.7	838.7	839.8	840.9	842.1	843.3	843.3
170°	843.6	843.3	843.3	843.3	843.3	843.3	844.4	845.5	846.7	847.8	847.8
172.5°	846.2	845.8	846.0	846.1	846.2	846.4	847.5	848.6	849.7	850.8	850.8
175°	850.0	849.7	849.8	850.0	850.2	850.2	851.3	852.2	853.3	854.2	854.1
177.5°	851.5	851.4	851.4	851.5	851.7	851.8	852.6	853.6	854.5	855.4	855.2
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332454-935

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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1304.1	1303.6	1304.1	1302.2	1304.1	1303.6	1304.1	1309.7	1309.7	1310.2	1310.6
5°	1213.5	1212.9	1211.2	1205.8	1211.2	1212.9	1213.5	1215.2	1220.0	1228.1	1225.8
7.5°	1134.4	1133.6	1128.4	1128.5	1128.4	1133.6	1134.4	1138.9	1144.2	1149.3	1155.2
10°	1087.5	1088.0	1081.1	1076.9	1081.1	1088.0	1087.5	1091.6	1099.2	1103.3	1107.4
12.5°	1042.1	1039.3	1033.7	1029.2	1033.7	1039.3	1042.1	1045.2	1055.6	1060.2	1068.1
15°	982.1	976.2	962.1	963.3	962.1	976.2	982.1	979.7	990.2	996.1	998.4
17.5°	911.4	907.1	906.8	898.6	906.8	907.1	911.4	916.0	925.2	931.5	948.3
20°	870.1	867.2	868.3	860.1	868.3	867.2	870.1	879.5	885.4	893.5	907.1
22.5°	837.8	834.8	829.9	827.3	829.9	834.8	837.8	844.3	850.7	862.1	869.5
25°	790.4	785.7	781.1	784.0	781.1	785.7	790.4	793.9	805.6	811.0	821.5
27.5°	743.1	739.6	734.9	734.3	734.9	739.6	743.1	746.5	752.9	761.8	774.5
30°	713.1	709.6	707.2	704.3	707.2	709.6	713.1	716.0	722.5	731.8	741.2
32.5°	682.6	681.9	677.7	677.1	677.7	681.9	682.6	687.4	693.9	702.7	710.8
35°	642.7	639.3	638.1	638.7	638.1	639.3	642.7	645.1	651.0	659.2	666.8
37.5°	604.9	600.2	598.1	596.0	598.1	600.2	604.9	605.3	611.2	616.7	627.1
40°	577.7	573.1	571.9	570.7	571.9	573.1	577.7	577.1	583.6	587.7	597.1
42.5°	547.3	545.4	544.7	542.6	544.7	545.4	547.3	550.4	554.1	560.1	567.1
45°	505.7	505.1	501.5	502.7	501.5	505.1	505.7	507.4	513.8	518.0	524.4
47.5°	461.8	459.3	456.8	458.4	456.8	459.3	461.8	464.2	468.6	473.6	482.1
50°	431.9	430.7	425.4	426.5	425.4	430.7	431.9	434.2	437.1	443.6	451.2
52.5°	401.8	397.4	395.4	394.7	395.4	397.4	401.8	404.2	407.6	415.0	420.7
55°	352.1	346.9	344.6	343.4	344.6	346.9	352.1	356.3	360.9	369.1	375.0
57.5°	303.4	302.0	300.1	301.4	300.1	302.0	303.4	310.2	314.8	321.2	328.4
60°	274.8	274.8	274.8	274.2	274.8	274.8	274.8	280.7	284.7	291.2	298.9
62.5°	252.8	251.3	250.9	251.8	250.9	251.3	252.8	255.4	259.4	263.6	270.3
65°	219.1	218.5	216.2	215.6	216.2	218.5	219.1	220.9	224.4	227.3	232.0
67.5°	187.4	185.3	184.6	183.7	184.6	185.3	187.4	188.9	191.2	195.0	197.3
70°	163.5	162.3	158.8	159.4	158.8	162.3	163.5	166.4	168.8	173.4	175.8
72.5°	137.7	136.6	135.8	135.0	135.8	136.6	137.7	140.6	142.9	148.1	151.9
75°	109.0	108.4	107.8	110.1	107.8	108.4	109.0	109.6	110.1	111.9	113.7
77.5°	87.3	87.3	87.6	86.7	87.6	87.3	87.3	87.3	87.3	88.3	88.6
80°	73.3	73.3	72.7	72.7	72.7	73.3	73.3	73.3	73.3	73.3	72.7
82.5°	58.7	59.2	59.5	58.6	59.5	59.2	58.7	59.7	60.1	59.2	59.5
85°	38.7	38.1	39.3	38.7	39.3	38.1	38.7	38.7	37.5	38.7	38.1
87.5°	21.0	20.1	20.1	20.7	20.1	20.1	21.0	20.0	19.9	19.8	19.2
90°	18.2	18.4	18.7	19.0	18.7	18.4	18.2	17.9	17.5	16.9	16.4
92.5°	20.5	20.7	20.8	21.0	20.8	20.7	20.5	20.3	19.8	18.9	18.0
95°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	23.6	22.6	21.6
97.5°	25.7	25.8	26.0	26.1	26.0	25.8	25.7	25.6	24.9	23.8	22.6
100°	26.2	26.3	26.4	26.6	26.4	26.3	26.2	26.1	25.4	24.3	23.2
102.5°	26.3	26.6	26.9	27.1	26.9	26.6	26.3	26.1	27.7	31.3	34.7
105°	27.0	27.3	27.6	27.9	27.6	27.3	27.0	26.8	39.1	64.0	88.9
107.5°	143.9	125.1	106.3	87.6	106.3	125.1	143.9	162.7	181.2	199.5	217.7
110°	234.6	214.5	194.3	174.3	194.3	214.5	234.6	254.8	267.2	271.8	276.5



TEST NUMBER: P332454-935

CATALOG NUMBER: S123RDIW-S1000D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	311.7	307.5	303.2	298.9	303.2	307.5	311.7	315.9	318.1	318.0	317.9
115°	370.8	371.4	372.0	372.6	372.0	371.4	370.8	370.3	369.3	367.9	366.5
117.5°	413.5	413.6	413.7	413.9	413.7	413.6	413.5	413.4	412.8	411.6	410.5
120°	442.2	442.2	442.2	442.2	442.2	442.2	442.2	442.2	441.7	440.6	439.5
122.5°	469.8	469.8	470.0	470.1	470.0	469.8	469.8	469.7	469.2	468.4	467.6
125°	508.6	508.9	509.1	509.4	509.1	508.9	508.6	508.2	508.0	507.7	507.4
127.5°	548.0	547.7	547.4	547.2	547.4	547.7	548.0	548.3	548.2	547.8	547.3
130°	572.3	572.0	571.8	571.4	571.8	572.0	572.3	572.7	572.5	571.9	571.4
132.5°	595.0	594.6	594.2	593.7	594.2	594.6	595.0	595.4	595.3	594.7	594.2
135°	629.1	628.7	628.3	627.8	628.3	628.7	629.1	629.6	629.6	629.1	628.7
137.5°	660.8	660.5	660.2	660.0	660.2	660.5	660.8	661.1	660.9	660.2	659.5
140°	680.0	679.8	679.5	679.2	679.5	679.8	680.0	680.4	680.2	679.6	679.1
142.5°	698.1	697.8	697.3	696.9	697.3	697.8	698.1	698.5	698.4	698.0	697.6
145°	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.2	724.0	723.8	723.5
147.5°	746.4	745.7	745.1	744.4	745.1	745.7	746.4	747.0	747.3	746.9	746.7
150°	761.0	760.5	760.1	759.7	760.1	760.5	761.0	761.4	761.4	761.1	760.9
152.5°	773.8	773.1	772.5	771.8	772.5	773.1	773.8	774.4	774.5	774.0	773.4
155°	791.3	790.5	789.6	788.8	789.6	790.5	791.3	792.2	792.3	791.5	790.8
157.5°	806.4	805.3	804.3	803.1	804.3	805.3	806.4	807.5	807.6	806.8	806.0
160°	815.2	814.2	813.2	812.3	813.2	814.2	815.2	816.2	816.2	815.5	814.6
162.5°	823.5	822.6	821.7	820.9	821.7	822.6	823.5	824.3	824.3	823.4	822.4
165°	834.2	833.2	832.2	831.2	832.2	833.2	834.2	835.2	835.1	834.0	832.8
167.5°	842.1	840.9	839.8	838.7	839.8	840.9	842.1	843.3	843.3	842.1	840.9
170°	846.7	845.5	844.4	843.3	844.4	845.5	846.7	847.8	847.8	846.7	845.5
172.5°	849.5	848.3	847.1	845.8	847.1	848.3	849.5	850.8	850.8	849.7	848.6
175°	853.0	851.9	850.8	849.6	850.8	851.9	853.0	854.1	854.2	853.3	852.2
177.5°	854.1	853.0	851.9	850.8	851.9	853.0	854.1	855.2	855.4	854.5	853.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332454-935

CATALOG NUMBER: S123RDIW-S1000D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1306.4	1312.9	1319.6	1325.6	1335.0	1339.2	1345.3	1347.6	1354.7	1365.0	1373.5
5°	1226.9	1236.3	1248.6	1258.6	1274.5	1286.7	1300.2	1313.1	1328.4	1350.0	1369.3
7.5°	1159.6	1168.8	1183.6	1202.1	1219.6	1237.0	1255.4	1273.0	1294.8	1325.9	1356.7
10°	1115.1	1126.2	1143.8	1163.6	1185.3	1202.4	1224.0	1246.3	1273.2	1309.0	1345.9
12.5°	1076.6	1084.9	1105.4	1124.3	1148.8	1170.4	1191.7	1217.7	1248.4	1286.5	1330.9
15°	1015.5	1027.2	1047.1	1068.2	1094.0	1116.8	1144.4	1176.0	1205.8	1252.8	1306.7
17.5°	954.0	971.8	992.6	1016.4	1035.4	1067.0	1096.9	1129.4	1166.1	1215.8	1275.0
20°	914.6	928.7	948.0	982.7	1007.8	1031.8	1059.4	1099.8	1133.8	1190.1	1251.5
22.5°	881.4	891.7	913.3	941.8	971.3	999.0	1027.0	1065.6	1107.5	1161.0	1227.7
25°	832.1	848.4	864.9	885.4	917.0	950.4	980.9	1013.7	1058.2	1115.1	1187.1
27.5°	783.9	798.7	814.9	840.1	864.1	895.4	927.2	964.8	1012.6	1072.7	1145.8
30°	752.9	764.1	779.3	811.5	833.2	860.1	897.7	931.1	975.6	1039.5	1116.8
32.5°	721.1	735.5	752.1	776.9	803.7	829.2	863.4	899.7	945.1	1008.1	1087.3
35°	675.6	692.6	709.6	727.7	754.7	781.1	809.8	849.6	895.9	956.8	1034.7
37.5°	633.8	647.5	661.2	683.8	709.4	734.4	761.2	800.5	844.1	909.8	981.4
40°	607.0	619.3	629.9	653.3	678.0	704.9	731.2	765.9	812.7	874.3	943.4
42.5°	578.0	589.4	603.6	622.8	649.4	672.1	698.4	731.2	775.2	837.7	898.4
45°	534.3	547.3	559.6	577.7	604.1	626.4	649.8	680.9	726.0	777.6	831.5
47.5°	489.0	501.9	516.0	533.6	556.6	579.1	602.6	630.1	671.2	721.9	758.2
50°	459.9	470.5	484.6	502.1	523.2	547.3	568.3	598.2	637.5	677.3	708.9
52.5°	430.0	439.5	455.5	474.1	493.7	514.4	536.9	562.6	598.1	635.6	660.7
55°	383.2	394.9	408.4	426.5	445.9	463.5	485.2	511.5	539.7	567.7	584.8
57.5°	339.5	349.2	360.6	379.4	396.1	417.1	436.5	457.0	483.0	504.3	515.4
60°	307.6	316.4	331.1	347.5	363.3	381.4	403.7	424.2	444.1	461.2	469.9
62.5°	277.6	287.8	300.6	315.6	332.8	350.1	369.5	386.8	404.3	419.0	424.9
65°	238.5	246.7	256.1	270.1	284.2	301.8	317.0	334.6	347.5	355.7	360.9
67.5°	202.9	208.3	215.4	224.8	238.6	253.9	268.7	282.4	293.2	298.9	303.5
70°	179.9	183.4	188.6	198.0	208.6	222.1	237.3	247.3	256.7	261.3	266.0
72.5°	156.9	161.4	166.2	173.7	182.4	192.1	203.1	215.4	220.6	226.2	229.0
75°	118.9	125.4	131.8	136.6	142.4	150.0	160.0	167.6	170.5	175.2	175.8
77.5°	89.8	91.2	95.8	101.7	106.7	112.2	118.5	125.3	126.7	129.2	130.7
80°	73.8	73.8	73.8	77.3	83.2	87.3	93.2	96.7	99.0	99.6	100.2
82.5°	59.3	59.3	58.8	59.5	61.6	63.9	69.2	73.3	75.1	74.7	73.4
85°	38.7	37.5	37.5	36.9	37.5	36.3	35.7	38.1	41.6	41.6	40.5
87.5°	19.1	18.5	18.6	17.7	17.0	16.1	14.4	14.6	14.3	15.8	15.2
90°	15.8	15.2	13.3	11.5	9.7	7.9	6.3	4.8	3.4	2.1	0.6
92.5°	17.1	16.2	14.8	13.4	12.1	10.7	10.2	10.6	11.0	11.4	11.8
95°	20.7	19.6	18.1	16.5	15.0	13.4	15.6	21.4	27.1	32.9	38.7
97.5°	21.5	20.4	30.6	40.6	50.8	61.0	67.3	69.9	72.5	75.1	77.7
100°	22.0	20.9	42.9	64.8	86.8	108.7	118.3	115.5	112.7	109.9	107.1
102.5°	38.2	41.7	65.7	89.6	113.7	137.7	148.6	146.6	144.6	142.6	140.5
105°	113.8	138.8	151.4	164.1	176.8	189.4	195.0	193.5	191.9	190.4	188.8
107.5°	236.0	254.3	252.4	250.3	248.3	246.3	244.7	243.5	242.2	241.0	239.7
110°	281.1	285.8	284.2	282.7	281.1	279.6	278.2	277.1	276.0	274.8	273.7



TEST NUMBER: P332454-935

CATALOG NUMBER: S123RDIW-S1000D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	317.8	317.7	316.2	314.6	313.1	311.5	310.2	309.2	308.2	307.1	306.2
115°	365.1	363.7	362.4	361.1	359.9	358.6	357.6	356.7	355.9	355.0	354.1
117.5°	409.4	408.3	407.6	407.0	406.3	405.7	404.8	403.8	402.8	401.7	400.7
120°	438.3	437.1	436.8	436.4	435.9	435.5	434.6	433.3	432.1	430.8	429.6
122.5°	466.8	466.1	465.5	465.0	464.4	463.9	463.1	462.1	461.1	460.0	459.0
125°	507.1	506.9	506.3	505.8	505.1	504.6	503.8	502.7	501.5	500.4	499.3
127.5°	546.8	546.4	545.7	545.0	544.4	543.7	542.8	541.7	540.5	539.4	538.3
130°	570.8	570.2	569.6	569.1	568.5	568.0	567.1	566.0	564.9	563.8	562.6
132.5°	593.6	593.1	592.5	592.1	591.7	591.2	590.5	589.3	588.1	587.0	585.9
135°	628.3	627.8	627.3	626.7	626.2	625.6	624.9	624.1	623.2	622.4	621.6
137.5°	658.8	658.1	657.9	657.5	657.2	656.9	656.3	655.1	654.1	653.0	651.9
140°	678.5	678.0	677.5	677.1	676.7	676.2	675.6	674.8	673.9	673.0	672.2
142.5°	697.2	696.7	696.3	695.9	695.4	695.0	694.4	693.5	692.7	691.8	691.0
145°	723.2	722.9	722.6	722.4	722.0	721.8	721.2	720.1	719.2	718.2	717.2
147.5°	746.4	746.1	745.8	745.5	745.3	744.9	744.5	743.8	743.2	742.5	741.9
150°	760.6	760.3	760.0	759.7	759.5	759.1	758.8	758.4	757.9	757.5	757.2
152.5°	772.9	772.5	772.3	772.1	772.0	771.8	771.6	771.4	771.2	771.0	770.8
155°	790.1	789.5	789.3	789.2	789.0	788.8	788.9	789.2	789.5	789.8	790.1
157.5°	805.1	804.3	804.4	804.5	804.7	804.9	804.9	804.9	804.9	805.0	805.0
160°	813.7	812.9	813.0	813.1	813.3	813.5	813.6	813.7	813.9	814.0	814.2
162.5°	821.5	820.4	820.6	820.8	820.9	821.0	821.3	821.7	822.0	822.4	822.8
165°	831.7	830.6	830.8	830.9	831.0	831.2	831.5	831.9	832.3	832.8	833.2
167.5°	839.8	838.7	838.7	838.7	838.7	838.7	839.0	839.6	840.2	840.7	841.3
170°	844.4	843.3	843.3	843.3	843.3	843.3	843.6	844.1	844.7	845.2	845.8
172.5°	847.5	846.4	846.2	846.1	846.0	845.8	846.2	846.9	847.5	848.2	848.9
175°	851.3	850.2	850.2	850.0	849.8	849.7	850.0	850.7	851.4	852.0	852.8
177.5°	852.6	851.8	851.7	851.5	851.4	851.4	851.5	852.1	852.6	853.3	853.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



TEST NUMBER: P332454-935

CATALOG NUMBER: S123RDIW-S1000D755U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1376.2	1381.4	1387.9	1397.8	1405.3	1411.9	1413.2	1415.1	1419.9	1427.8	1433.9
5°	1385.2	1398.6	1420.3	1441.4	1464.3	1483.0	1500.6	1512.9	1524.6	1549.2	1569.2
7.5°	1382.3	1412.4	1446.3	1484.2	1522.5	1559.6	1594.1	1625.0	1655.6	1691.5	1732.4
10°	1380.4	1415.7	1461.3	1509.9	1563.3	1615.4	1665.9	1705.1	1750.8	1791.8	1843.9
12.5°	1371.6	1422.2	1476.8	1539.0	1604.6	1664.7	1731.0	1785.2	1837.5	1896.8	1957.4
15°	1359.9	1421.5	1490.6	1573.2	1672.8	1745.5	1813.4	1907.8	1972.3	2036.7	2123.5
17.5°	1338.8	1413.8	1500.2	1607.6	1690.7	1788.3	1890.6	1965.1	2051.9	2142.8	2221.3
20°	1321.9	1409.2	1505.9	1611.4	1717.4	1823.4	1922.4	2011.6	2101.2	2206.1	2270.5
22.5°	1305.0	1391.4	1491.8	1603.9	1717.9	1829.5	1941.6	2046.3	2147.1	2252.9	2335.2
25°	1269.1	1371.7	1480.7	1594.9	1707.4	1830.5	1964.0	2080.7	2205.5	2314.5	2392.4
27.5°	1232.8	1326.8	1435.3	1551.2	1676.3	1821.7	1978.8	2111.3	2236.4	2314.5	2339.0
30°	1200.0	1299.6	1399.2	1517.0	1652.3	1814.6	1981.7	2133.4	2235.9	2269.9	2244.7
32.5°	1166.7	1257.0	1355.6	1476.2	1620.0	1797.3	1985.4	2120.3	2182.0	2156.0	2053.5
35°	1108.0	1189.5	1285.0	1405.7	1570.9	1787.7	1970.0	2061.3	2046.1	1899.6	1706.2
37.5°	1045.2	1111.6	1200.0	1326.2	1520.0	1749.6	1903.3	1916.8	1785.0	1560.1	1336.8
40°	995.5	1055.2	1146.1	1277.9	1480.7	1712.1	1836.3	1781.8	1577.4	1327.1	1140.8
42.5°	947.2	997.6	1085.1	1227.3	1443.2	1661.0	1736.5	1617.8	1381.9	1145.3	975.9
45°	865.4	912.9	1000.7	1146.7	1366.4	1563.3	1553.3	1347.0	1110.9	920.5	779.9
47.5°	787.8	829.3	911.8	1060.8	1276.3	1416.8	1323.6	1104.1	903.9	751.1	650.7
50°	733.0	774.0	856.1	1003.2	1204.1	1306.7	1173.6	962.1	778.7	652.1	572.5
52.5°	680.5	720.6	795.6	938.9	1116.9	1178.2	1035.4	839.3	686.4	577.1	508.7
55°	607.0	637.5	704.9	842.0	975.0	989.0	844.3	680.3	554.3	478.1	431.3
57.5°	532.2	558.4	625.0	734.2	827.4	820.2	682.9	541.1	456.2	399.6	365.7
60°	483.4	509.2	567.7	661.5	731.8	707.2	581.3	467.0	394.3	352.8	325.8
62.5°	437.9	458.1	512.9	581.3	632.0	604.1	496.9	402.3	344.7	309.6	288.3
65°	372.0	388.5	432.4	468.1	496.3	469.3	380.3	314.6	273.0	248.4	233.8
67.5°	309.5	319.9	347.7	360.6	380.4	350.9	285.9	242.0	218.3	197.6	187.4
70°	270.1	277.8	292.4	302.9	308.2	277.8	229.7	197.4	177.5	162.9	156.4
72.5°	230.7	237.5	240.4	249.0	246.3	217.7	184.7	159.0	144.7	134.7	126.5
75°	176.3	179.3	176.3	172.9	165.2	145.3	122.4	109.6	99.0	94.4	91.4
77.5°	128.5	127.6	123.6	118.1	105.1	92.6	80.2	75.9	71.4	68.9	67.8
80°	99.0	96.7	93.2	84.4	73.3	64.5	61.6	58.6	56.8	53.9	53.3
82.5°	73.7	72.3	66.5	59.1	51.2	47.1	44.7	43.6	41.8	40.3	40.2
85°	39.3	37.5	31.1	26.9	25.7	24.6	24.0	24.0	21.7	21.1	21.1
87.5°	13.1	10.5	10.3	9.2	9.6	9.0	9.8	9.2	9.1	9.7	8.9
90°	2.1	3.4	4.8	6.3	7.9	9.7	11.5	13.3	15.2	15.8	16.4
92.5°	11.4	11.0	10.6	10.2	10.7	12.1	13.4	14.8	16.2	17.1	18.0
95°	32.9	27.1	21.4	15.6	13.4	15.0	16.5	18.1	19.6	20.7	21.6
97.5°	75.1	72.5	69.9	67.3	61.0	50.8	40.6	30.6	20.4	21.5	22.6
100°	109.9	112.7	115.5	118.3	108.7	86.8	64.8	42.9	20.9	22.0	23.2
102.5°	142.6	144.6	146.6	148.6	137.7	113.7	89.6	65.7	41.7	38.2	34.7
105°	190.4	191.9	193.5	195.0	189.4	176.8	164.1	151.4	138.8	113.8	88.9
107.5°	241.0	242.2	243.5	244.7	246.3	248.3	250.3	252.4	254.3	236.0	217.7
110°	274.8	276.0	277.1	278.2	279.6	281.1	282.7	284.2	285.8	281.1	276.5





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	307.1	308.2	309.2	310.2	311.5	313.1	314.6	316.2	317.7	317.8	317.9
115°	355.0	355.9	356.7	357.6	358.6	359.9	361.1	362.4	363.7	365.1	366.5
117.5°	401.7	402.8	403.8	404.8	405.7	406.3	407.0	407.6	408.3	409.4	410.5
120°	430.8	432.1	433.3	434.6	435.5	435.9	436.4	436.8	437.1	438.3	439.5
122.5°	460.0	461.1	462.1	463.1	463.9	464.4	465.0	465.5	466.1	466.8	467.6
125°	500.4	501.5	502.7	503.8	504.6	505.1	505.8	506.3	506.9	507.1	507.4
127.5°	539.4	540.5	541.7	542.8	543.7	544.4	545.0	545.7	546.4	546.8	547.3
130°	563.8	564.9	566.0	567.1	568.0	568.5	569.1	569.6	570.2	570.8	571.4
132.5°	587.0	588.1	589.3	590.5	591.2	591.7	592.1	592.5	593.1	593.6	594.2
135°	622.4	623.2	624.1	624.9	625.6	626.2	626.7	627.3	627.8	628.3	628.7
137.5°	653.0	654.1	655.1	656.3	656.9	657.2	657.5	657.9	658.1	658.8	659.5
140°	673.0	673.9	674.8	675.6	676.2	676.7	677.1	677.5	678.0	678.5	679.1
142.5°	691.8	692.7	693.5	694.4	695.0	695.4	695.9	696.3	696.7	697.2	697.6
145°	718.2	719.2	720.1	721.2	721.8	722.0	722.4	722.6	722.9	723.2	723.5
147.5°	742.5	743.2	743.8	744.5	744.9	745.3	745.5	745.8	746.1	746.4	746.7
150°	757.5	757.9	758.4	758.8	759.1	759.5	759.7	760.0	760.3	760.6	760.9
152.5°	771.0	771.2	771.4	771.6	771.8	772.0	772.1	772.3	772.5	772.9	773.4
155°	789.8	789.5	789.2	788.9	788.8	789.0	789.2	789.3	789.5	790.1	790.8
157.5°	805.0	804.9	804.9	804.9	804.9	804.7	804.5	804.4	804.3	805.1	806.0
160°	814.0	813.9	813.7	813.6	813.5	813.3	813.1	813.0	812.9	813.7	814.6
162.5°	822.4	822.0	821.7	821.3	821.0	820.9	820.8	820.6	820.4	821.5	822.4
165°	832.8	832.3	831.9	831.5	831.2	831.0	830.9	830.8	830.6	831.7	832.8
167.5°	840.7	840.2	839.6	839.0	838.7	838.7	838.7	838.7	838.7	839.8	840.9
170°	845.2	844.7	844.1	843.6	843.3	843.3	843.3	843.3	843.3	844.4	845.5
172.5°	848.2	847.5	846.9	846.2	845.8	846.0	846.1	846.2	846.4	847.5	848.6
175°	852.0	851.4	850.7	850.0	849.7	849.8	850.0	850.2	850.2	851.3	852.2
177.5°	853.3	852.6	852.1	851.5	851.4	851.4	851.5	851.7	851.8	852.6	853.6
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8	852.8



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7	1368.7
2.5°	1443.7	1443.7	1445.6	1452.7	1453.6	1459.7	1457.8
5°	1586.7	1597.8	1602.0	1619.5	1630.0	1634.8	1625.4
7.5°	1761.6	1792.9	1807.8	1826.3	1842.5	1847.4	1834.7
10°	1889.0	1921.8	1949.4	1966.4	1982.2	1992.8	2006.2
12.5°	2012.3	2052.6	2078.8	2102.8	2119.1	2132.4	2134.7
15°	2146.3	2207.3	2253.5	2287.5	2304.5	2313.2	2309.8
17.5°	2281.4	2337.9	2370.8	2405.5	2429.1	2430.3	2430.9
20°	2357.8	2412.9	2451.0	2476.8	2503.1	2502.0	2507.8
22.5°	2408.9	2452.3	2481.5	2500.2	2509.2	2504.7	2505.9
25°	2432.8	2445.7	2440.4	2410.5	2403.0	2375.4	2380.1
27.5°	2309.5	2248.6	2185.6	2104.5	2040.5	1989.3	1991.9
30°	2142.2	2034.4	1911.3	1808.2	1715.6	1689.9	1634.8
32.5°	1908.3	1746.5	1602.4	1506.3	1426.8	1405.3	1357.3
35°	1511.7	1354.7	1206.4	1117.4	1082.2	1033.0	1032.4
37.5°	1175.0	1036.7	958.4	891.6	856.5	826.7	823.8
40°	988.5	880.6	821.5	773.4	738.9	716.6	711.4
42.5°	858.2	770.9	715.6	685.8	659.2	647.7	639.1
45°	700.8	642.2	603.5	576.5	564.3	555.4	550.8
47.5°	586.2	546.9	520.6	502.7	492.7	483.4	485.9
50°	523.8	491.6	472.3	455.3	447.6	441.2	441.8
52.5°	473.6	444.7	429.1	416.8	407.3	402.8	400.5
55°	401.9	383.7	368.0	359.2	353.9	347.5	345.7
57.5°	342.9	328.8	315.9	306.0	304.7	298.5	299.3
60°	303.5	291.8	281.3	276.0	271.9	266.6	268.4
62.5°	271.2	261.3	251.8	247.4	243.3	239.4	240.2
65°	222.1	212.7	206.8	204.5	202.8	201.0	199.2
67.5°	176.9	171.3	167.6	162.6	158.9	158.3	156.5
70°	148.9	141.2	134.7	128.3	126.6	126.0	126.6
72.5°	119.3	114.5	112.7	109.6	109.3	107.7	108.7
75°	89.6	87.9	86.7	84.4	84.4	84.4	84.4
77.5°	66.1	65.0	64.3	63.9	63.3	62.4	62.3
80°	51.6	51.0	49.8	49.8	49.2	49.8	49.2
82.5°	38.9	38.8	37.6	37.6	37.0	36.7	37.0
85°	19.9	19.4	20.5	19.4	19.9	18.8	19.9
87.5°	9.0	9.1	8.7	8.8	8.4	9.4	8.5
90°	16.9	17.5	17.9	18.2	18.4	18.7	19.0
92.5°	18.9	19.8	20.3	20.5	20.7	20.8	21.0
95°	22.6	23.6	24.1	24.1	24.1	24.1	24.1
97.5°	23.8	24.9	25.6	25.7	25.8	26.0	26.1
100°	24.3	25.4	26.1	26.2	26.3	26.4	26.6
102.5°	31.3	27.7	26.1	26.3	26.6	26.9	27.1
105°	64.0	39.1	26.8	27.0	27.3	27.6	27.9
107.5°	199.5	181.2	162.7	143.9	125.1	106.3	87.6
110°	271.8	267.2	254.8	234.6	214.5	194.3	174.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	318.0	318.1	315.9	311.7	307.5	303.2	298.9
115°	367.9	369.3	370.3	370.8	371.4	372.0	372.6
117.5°	411.6	412.8	413.4	413.5	413.6	413.7	413.9
120°	440.6	441.7	442.2	442.2	442.2	442.2	442.2
122.5°	468.4	469.2	469.7	469.8	469.8	470.0	470.1
125°	507.7	508.0	508.2	508.6	508.9	509.1	509.4
127.5°	547.8	548.2	548.3	548.0	547.7	547.4	547.2
130°	571.9	572.5	572.7	572.3	572.0	571.8	571.4
132.5°	594.7	595.3	595.4	595.0	594.6	594.2	593.7
135°	629.1	629.6	629.6	629.1	628.7	628.3	627.8
137.5°	660.2	660.9	661.1	660.8	660.5	660.2	660.0
140°	679.6	680.2	680.4	680.0	679.8	679.5	679.2
142.5°	698.0	698.4	698.5	698.1	697.8	697.3	696.9
145°	723.8	724.0	724.2	724.2	724.2	724.2	724.2
147.5°	746.9	747.3	747.0	746.4	745.7	745.1	744.4
150°	761.1	761.4	761.4	761.0	760.5	760.1	759.7
152.5°	774.0	774.5	774.4	773.8	773.1	772.5	771.8
155°	791.5	792.3	792.2	791.3	790.5	789.6	788.8
157.5°	806.8	807.6	807.5	806.4	805.3	804.3	803.1
160°	815.5	816.2	816.2	815.2	814.2	813.2	812.3
162.5°	823.4	824.3	824.3	823.5	822.6	821.7	820.9
165°	834.0	835.1	835.2	834.2	833.2	832.2	831.2
167.5°	842.1	843.3	843.3	842.1	840.9	839.8	838.7
170°	846.7	847.8	847.8	846.7	845.5	844.4	843.3
172.5°	849.7	850.8	850.8	849.5	848.3	847.1	845.8
175°	853.3	854.2	854.1	853.0	851.9	850.8	849.6
177.5°	854.5	855.4	855.2	854.1	853.0	851.9	850.8
180°	852.8	852.8	852.8	852.8	852.8	852.8	852.8

(END OF REPORT)