

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: P331829-935

Luminaire Tested: **S122RDIW-S865D710U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P331829-935  
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: S122RDIW-S865D710U935-4F0-1E-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**

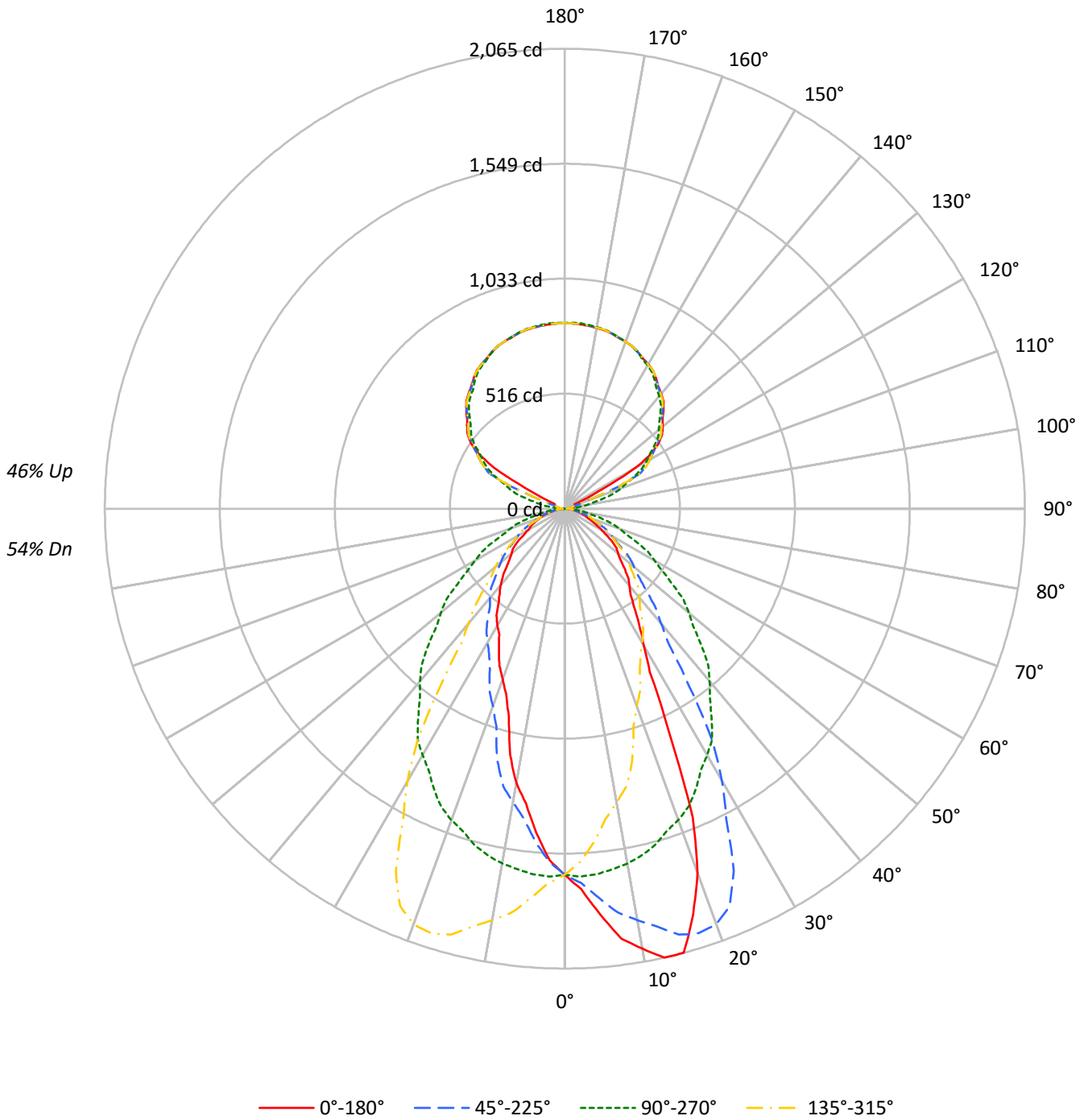
Lumens per Lamp: N/A  
Luminaire Lumens: 5284.6 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 1.16 / 1.02  
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')  
CIE Type: General Diffuse

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	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54	54	54	54	
1	99	95	92	89	92	89	86	83	76	74	72	65	63	62	54	53	52	47	47	47	47	
2	91	84	79	74	85	79	74	69	68	64	61	58	55	53	49	47	45	41	41	41	41	
3	84	75	68	63	78	70	64	59	61	56	52	52	49	46	44	42	39	36	36	36	36	
4	77	67	60	54	72	63	56	51	55	49	45	47	43	40	40	37	35	31	31	31	31	
5	71	60	53	47	66	56	50	45	49	44	40	43	39	35	36	33	31	28	28	28	28	
6	66	55	47	41	61	51	44	39	45	39	35	39	35	32	33	30	28	25	25	25	25	
7	61	50	42	37	57	47	40	35	41	36	32	36	32	28	31	28	25	23	23	23	23	
8	57	45	38	33	53	43	36	31	38	32	29	33	29	26	29	25	23	21	21	21	21	
9	53	42	34	30	50	39	33	28	35	30	26	31	26	23	27	23	21	19	19	19	19	
10	50	38	32	27	47	36	30	26	32	27	24	29	24	21	25	22	19	17	17	17	17	

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

	0°	90°	180°	270°
0°	26547	26547	26547	26547
5°	29648	26712	23686	26712
10°	32893	26525	20530	26525
15°	34511	26136	16177	26136
20°	29919	25560	13998	25560
25°	19621	24772	12497	24772
30°	13207	23815	11311	23815
35°	10697	22610	10200	22610
40°	9512	21300	9440	21300
45°	8608	19763	8426	19763
50°	7834	18239	7804	18239
55°	7367	16549	7268	16549
60°	6161	14996	6090	14996
65°	5196	13620	5891	13620
70°	4801	12161	5556	12161
75°	4492	10586	5128	10586
80°	4147	8712	4575	8712
85°	3816	6873	4020	6873



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.9	2.9
10°-20°	434.3	8.2
20°-30°	559.6	10.6
30°-40°	531.8	10.1
40°-50°	455.6	8.6
50°-60°	346.9	6.6
60°-70°	219.3	4.2
70°-80°	109.5	2.1
80°-90°	30.6	0.6
90°-100°	27.8	0.5
100°-110°	101.9	1.9
110°-120°	272.4	5.2
120°-130°	449.6	8.5
130°-140°	478.2	9.0
140°-150°	444.4	8.4
150°-160°	357.3	6.8
160°-170°	230.3	4.4
170°-180°	79.3	1.5
0°-30°	1149.8	21.8
0°-40°	1681.6	31.8
0°-60°	2484.1	47.0
0°-90°	2843.5	53.8
90°-120°	402.1	7.6
90°-150°	1774.3	33.6
90°-180°	2441.0	46.2
0°-180°	5284.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1644	1644	1644	1644	1644	
5°	1829	1648	1461	1648	1829	181
15°	2065	1564	968	1564	2065	557
25°	1101	1390	702	1390	1101	523
35°	543	1147	518	1147	543	347
45°	377	866	369	866	377	292
55°	262	588	258	588	262	230
65°	136	356	154	356	136	138
75°	72	170	82	170	72	76
85°	21	37	22	37	21	22
90°	16	1	16	1	16	8
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°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1710.9	1712.3	1713.6	1710.4	1710.4	1707.7	1701.8	1697.2	1684.4	1682.6	1682.6
5°	1829.3	1828.1	1830.4	1823.0	1812.7	1810.4	1799.6	1785.3	1770.4	1753.9	1750.4
7.5°	1946.9	1945.2	1940.6	1939.4	1931.5	1914.3	1896.8	1878.2	1853.5	1829.4	1817.2
10°	2006.3	2025.2	2013.8	1993.7	1997.8	1970.9	1956.6	1932.1	1911.5	1875.5	1867.5
12.5°	2064.9	2072.3	2068.6	2057.3	2052.2	2033.5	2014.2	1992.9	1954.9	1922.6	1894.5
15°	2064.6	2075.4	2078.3	2074.9	2077.8	2076.6	2066.3	2048.6	2015.5	1980.0	1949.2
17.5°	1912.2	1919.8	1938.5	1951.1	1967.1	2001.0	2017.7	2024.1	2019.2	1999.0	1977.3
20°	1741.3	1728.7	1781.2	1808.1	1830.9	1888.1	1937.2	1956.1	1986.3	1985.8	1980.0
22.5°	1499.0	1502.0	1551.9	1583.7	1650.5	1707.5	1763.6	1834.5	1893.1	1931.8	1954.5
25°	1101.4	1123.2	1172.9	1216.2	1290.6	1396.8	1493.3	1605.3	1711.0	1794.4	1873.8
27.5°	827.2	828.8	868.2	908.4	952.4	1039.5	1161.1	1294.8	1445.4	1569.8	1712.8
30°	708.4	705.0	721.5	746.1	783.8	851.2	942.6	1074.0	1224.3	1411.6	1578.5
32.5°	624.3	624.5	637.0	655.1	686.5	731.9	794.5	901.3	1043.3	1227.4	1423.1
35°	542.7	542.2	551.3	564.4	577.6	606.7	649.5	705.5	803.2	975.2	1175.1
37.5°	484.2	486.7	491.2	499.4	513.9	530.1	555.9	593.5	663.1	764.7	932.8
40°	451.3	452.5	458.7	465.6	474.2	486.7	507.9	538.1	589.0	670.1	792.9
42.5°	421.1	422.3	426.7	433.2	439.9	452.5	469.9	496.1	537.4	600.6	702.0
45°	377.0	377.0	381.1	383.9	391.3	402.8	417.1	438.8	467.3	514.2	581.6
47.5°	335.7	335.8	338.5	343.4	348.0	357.0	371.0	388.7	409.5	445.7	503.3
50°	311.9	312.5	314.2	318.2	321.1	329.1	339.9	355.3	377.0	405.0	453.1
52.5°	292.7	292.4	294.5	296.3	298.3	303.9	312.0	325.6	345.1	369.4	409.1
55°	261.7	259.3	262.8	265.6	267.3	269.7	274.2	282.8	299.4	319.9	349.7
57.5°	222.8	221.9	224.3	226.9	232.3	238.4	242.4	247.8	256.4	271.1	300.6
60°	190.8	190.8	196.0	197.7	204.0	212.0	220.0	224.5	233.1	242.8	264.5
62.5°	162.5	162.9	165.3	167.0	170.6	180.4	191.6	201.6	209.7	219.0	233.4
65°	136.0	137.1	137.1	138.3	140.5	142.8	147.4	155.4	169.7	182.8	193.6
67.5°	115.4	115.7	116.1	117.3	117.8	120.3	122.2	125.7	129.0	141.5	154.9
70°	101.7	103.4	102.8	104.0	104.5	105.6	108.0	109.7	114.9	117.7	125.7
72.5°	88.9	90.1	90.1	90.7	92.2	92.5	94.3	96.0	99.3	101.7	106.0
75°	72.0	71.4	72.0	73.1	73.7	74.3	74.3	76.5	78.3	80.6	83.4
77.5°	55.5	56.1	56.0	56.1	56.2	57.3	57.2	58.1	59.8	61.0	62.4
80°	44.6	45.1	44.6	45.1	45.7	46.2	45.7	46.2	48.0	49.2	49.2
82.5°	34.5	34.6	35.0	35.0	35.2	35.3	36.1	36.2	37.5	37.3	37.7
85°	20.6	20.0	20.0	20.0	20.6	21.1	20.6	20.6	21.1	21.1	21.1
87.5°	10.6	10.9	10.9	10.8	10.8	10.7	10.6	10.9	10.3	10.7	10.0
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°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1683.4	1679.8	1676.6	1668.4	1664.2	1655.1	1653.7	1653.3	1641.4	1630.0	1626.8
5°	1741.3	1732.2	1718.4	1702.5	1685.8	1668.7	1657.3	1648.1	1625.3	1603.6	1591.0
7.5°	1799.6	1779.9	1756.3	1726.0	1700.7	1672.4	1651.3	1632.5	1600.1	1569.0	1548.1
10°	1843.0	1810.9	1779.5	1737.8	1705.3	1673.3	1643.6	1617.9	1581.3	1540.2	1511.1
12.5°	1869.9	1834.7	1791.4	1750.7	1708.5	1667.8	1628.1	1595.0	1552.0	1509.6	1474.9
15°	1906.3	1868.6	1816.1	1757.8	1703.6	1650.5	1604.7	1563.6	1507.6	1456.7	1414.5
17.5°	1936.2	1884.3	1827.9	1760.5	1697.6	1630.1	1571.2	1518.7	1456.4	1395.1	1345.2
20°	1945.8	1894.4	1829.3	1761.9	1687.6	1608.2	1544.7	1487.6	1420.7	1353.9	1296.8
22.5°	1939.8	1899.9	1827.4	1746.7	1670.7	1587.6	1516.0	1449.7	1375.5	1307.3	1241.0
25°	1899.5	1885.8	1817.2	1729.2	1642.4	1545.9	1463.0	1390.5	1306.0	1232.9	1160.8
27.5°	1805.5	1835.0	1792.6	1698.8	1602.3	1498.8	1405.7	1323.1	1235.4	1153.1	1081.3
30°	1715.0	1783.0	1764.7	1677.8	1569.9	1468.2	1363.7	1277.4	1183.7	1099.2	1028.3
32.5°	1591.1	1703.4	1721.3	1648.6	1537.0	1425.2	1315.7	1229.9	1132.0	1042.9	973.9
35°	1394.0	1561.9	1639.0	1592.8	1480.7	1360.2	1247.1	1147.1	1048.9	960.9	892.3
37.5°	1158.6	1387.4	1516.0	1519.2	1416.4	1291.1	1167.9	1068.7	968.1	881.8	807.5
40°	1006.0	1254.0	1421.3	1458.4	1371.7	1236.2	1111.7	1010.6	912.3	827.8	742.7
42.5°	868.9	1115.9	1321.7	1386.3	1317.2	1182.8	1057.8	952.1	856.6	776.6	689.7
45°	702.7	918.6	1145.4	1260.8	1222.5	1098.0	966.0	865.5	775.8	706.7	623.3
47.5°	592.8	744.9	964.4	1120.5	1119.8	1006.2	876.3	780.1	696.8	632.1	564.6
50°	530.1	662.7	848.3	1025.5	1040.3	944.9	821.5	726.1	648.4	580.4	526.2
52.5°	473.9	583.2	750.1	919.9	962.2	879.5	759.8	671.8	596.3	533.8	487.3
55°	400.5	485.0	611.8	770.7	834.7	776.4	670.1	587.9	526.8	474.2	434.2
57.5°	338.8	402.2	503.9	631.8	706.4	669.7	582.0	515.2	462.9	415.3	383.7
60°	299.9	351.9	438.2	545.0	627.2	601.6	526.8	464.4	419.9	378.8	349.0
62.5°	263.4	308.1	381.9	468.6	544.1	533.5	472.3	420.1	381.1	343.5	318.4
65°	212.0	244.5	302.2	370.2	430.8	435.9	391.9	356.5	321.7	292.0	269.7
67.5°	168.8	190.0	230.7	287.9	333.3	349.5	322.6	295.6	267.9	245.0	225.7
70°	142.2	159.4	189.1	235.4	277.1	294.2	278.8	257.6	233.7	214.8	198.2
72.5°	115.3	132.0	153.9	187.9	223.6	242.1	236.8	221.5	202.1	186.5	170.8
75°	86.9	92.0	106.9	129.7	157.6	173.7	177.7	169.7	154.2	142.2	133.1
77.5°	64.2	67.3	74.4	86.4	104.7	118.9	124.8	123.8	113.2	106.2	97.7
80°	51.4	53.1	56.6	61.7	75.4	89.7	93.7	93.7	86.3	83.4	74.8
82.5°	39.1	40.3	42.4	45.2	51.7	64.1	68.5	69.5	64.7	61.0	54.2
85°	22.3	21.7	22.8	24.5	25.7	29.1	36.0	37.1	36.0	31.4	29.7
87.5°	9.7	10.0	9.8	9.0	9.2	9.4	11.4	13.3	11.9	10.8	10.2
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: P331829-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-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: P331829-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1620.8	1617.6	1611.7	1602.6	1597.1	1587.5	1581.1	1584.8	1585.6	1584.8	1583.8
5°	1577.3	1565.3	1548.8	1532.8	1517.9	1501.9	1492.7	1488.8	1480.7	1476.2	1473.9
7.5°	1524.7	1504.0	1480.5	1452.7	1429.0	1404.2	1391.5	1385.3	1368.9	1359.9	1352.2
10°	1485.3	1452.8	1429.3	1392.8	1370.5	1337.9	1315.7	1316.2	1293.9	1281.3	1272.2
12.5°	1441.9	1406.2	1367.2	1334.3	1303.3	1277.1	1250.3	1239.4	1215.8	1203.7	1179.0
15°	1369.9	1328.3	1287.1	1242.5	1211.1	1170.5	1131.7	1084.3	1046.0	1012.9	1003.8
17.5°	1291.3	1239.7	1198.4	1146.1	1092.3	1024.1	979.0	951.5	928.4	910.9	897.9
20°	1237.4	1184.8	1140.8	1062.0	989.5	943.2	910.1	888.9	865.0	846.1	835.8
22.5°	1180.7	1125.8	1065.9	977.9	921.4	884.2	854.7	830.4	814.2	799.4	790.1
25°	1100.3	1040.3	941.5	880.9	835.2	796.3	775.8	761.0	743.8	723.8	714.6
27.5°	1015.3	919.9	848.9	803.9	760.3	735.0	716.5	694.3	679.0	670.0	660.5
30°	951.7	856.4	800.9	751.8	720.9	692.9	671.2	658.7	643.9	628.4	622.2
32.5°	880.9	804.7	751.6	710.7	679.3	655.5	638.3	618.0	607.3	597.8	584.6
35°	792.9	735.2	686.6	653.6	623.9	604.4	584.4	572.4	553.0	545.0	539.8
37.5°	718.4	668.4	632.1	597.2	573.7	552.2	539.9	520.9	512.5	501.4	490.5
40°	676.4	627.2	592.5	563.9	537.6	521.6	506.2	490.8	478.2	473.0	459.9
42.5°	633.4	593.5	558.6	527.3	509.7	492.8	473.3	461.9	448.9	440.6	432.5
45°	574.1	538.7	509.0	483.3	463.9	446.2	433.6	414.7	407.3	390.7	383.9
47.5°	522.0	489.1	460.8	436.4	417.4	405.9	387.4	372.7	360.8	350.7	341.8
50°	485.0	457.6	430.2	408.5	391.3	374.8	355.9	348.4	330.2	325.0	319.9
52.5°	451.2	425.2	400.0	378.8	361.6	345.5	328.9	319.3	306.9	301.8	298.0
55°	403.9	378.8	354.7	335.9	318.7	302.2	292.0	279.9	274.2	270.2	265.6
57.5°	356.4	333.7	315.4	296.3	279.1	265.9	254.0	246.8	240.8	235.6	230.1
60°	326.2	304.4	287.9	270.2	252.5	241.7	232.5	223.9	217.1	209.1	206.8
62.5°	294.2	275.3	260.0	242.8	227.4	217.4	208.7	200.6	192.4	180.7	177.5
65°	250.2	235.4	219.4	205.1	191.4	181.7	169.1	160.0	156.5	155.4	154.8
67.5°	210.4	196.4	182.7	168.1	155.6	146.6	140.2	138.8	136.4	135.7	134.1
70°	183.9	170.8	157.1	143.4	131.4	129.7	127.4	125.1	122.3	121.1	119.9
72.5°	160.1	146.6	132.9	121.9	116.8	114.6	112.3	110.0	108.1	106.9	106.2
75°	122.9	110.3	101.1	97.1	94.3	92.6	89.1	87.4	86.3	84.6	83.9
77.5°	88.4	81.4	77.1	74.6	71.6	69.8	67.8	66.1	64.9	64.6	63.6
80°	67.4	64.0	61.1	57.7	56.6	54.2	53.7	52.0	52.5	50.9	50.9
82.5°	52.3	48.0	45.5	44.0	42.9	41.0	40.5	39.6	39.8	38.5	38.5
85°	26.9	25.7	24.5	23.4	23.4	21.7	22.3	21.7	21.7	20.6	20.0
87.5°	10.0	9.8	9.0	9.3	9.5	9.3	9.4	9.0	9.2	9.4	9.0
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: P331829-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-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: P331829-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1578.8	1579.7	1578.3	1579.2	1578.3	1579.7	1578.8	1583.8	1584.8	1585.6	1584.8
5°	1471.0	1464.2	1463.0	1461.4	1463.0	1464.2	1471.0	1473.9	1476.2	1480.7	1488.8
7.5°	1342.4	1341.4	1338.5	1334.6	1338.5	1341.4	1342.4	1352.2	1359.9	1368.9	1385.3
10°	1259.6	1256.8	1256.3	1252.2	1256.3	1256.8	1259.6	1272.2	1281.3	1293.9	1316.2
12.5°	1162.8	1144.4	1142.5	1132.5	1142.5	1144.4	1162.8	1179.0	1203.7	1215.8	1239.4
15°	990.1	986.6	975.2	967.8	975.2	986.6	990.1	1003.8	1012.9	1046.0	1084.3
17.5°	891.3	880.1	876.6	874.9	876.6	880.1	891.3	897.9	910.9	928.4	951.5
20°	827.8	817.5	815.8	814.7	815.8	817.5	827.8	835.8	846.1	865.0	888.9
22.5°	783.9	773.2	768.7	765.3	768.7	773.2	783.9	790.1	799.4	814.2	830.4
25°	708.9	705.0	702.7	701.5	702.7	705.0	708.9	714.6	723.8	743.8	761.0
27.5°	650.3	641.5	639.8	636.9	639.8	641.5	650.3	660.5	670.0	679.0	694.3
30°	617.0	614.2	610.1	606.7	610.1	614.2	617.0	622.2	628.4	643.9	658.7
32.5°	577.6	575.3	571.7	570.2	571.7	575.3	577.6	584.6	597.8	607.3	618.0
35°	534.2	526.2	522.7	517.5	522.7	526.2	534.2	539.8	545.0	553.0	572.4
37.5°	488.1	483.9	479.1	480.8	479.1	483.9	488.1	490.5	501.4	512.5	520.9
40°	452.5	449.6	448.5	447.9	448.5	449.6	452.5	459.9	473.0	478.2	490.8
42.5°	424.1	416.2	413.3	413.1	413.3	416.2	424.1	432.5	440.6	448.9	461.9
45°	381.1	373.6	368.5	369.0	368.5	373.6	381.1	383.9	390.7	407.3	414.7
47.5°	336.9	336.7	333.6	334.6	333.6	336.7	336.9	341.8	350.7	360.8	372.7
50°	315.9	312.5	310.2	310.7	310.2	312.5	315.9	319.9	325.0	330.2	348.4
52.5°	295.8	292.8	291.0	293.4	291.0	292.8	295.8	298.0	301.8	306.9	319.3
55°	262.8	259.3	258.8	258.2	258.8	259.3	262.8	265.6	270.2	274.2	279.9
57.5°	225.9	223.6	220.2	218.7	220.2	223.6	225.9	230.1	235.6	240.8	246.8
60°	199.4	194.8	189.1	188.6	189.1	194.8	199.4	206.8	209.1	217.1	223.9
62.5°	175.1	174.3	173.1	173.0	173.1	174.3	175.1	177.5	180.7	192.4	200.6
65°	153.7	153.1	153.7	154.2	153.7	153.1	153.7	154.8	155.4	156.5	160.0
67.5°	133.9	132.9	131.8	132.3	131.8	132.9	133.9	134.1	135.7	136.4	138.8
70°	118.8	118.2	117.7	117.7	117.7	118.2	118.8	119.9	121.1	122.3	125.1
72.5°	104.2	104.1	103.5	103.1	103.5	104.1	104.2	106.2	106.9	108.1	110.0
75°	83.4	82.2	82.2	82.2	82.2	82.2	83.4	83.9	84.6	86.3	87.4
77.5°	63.5	62.9	62.4	61.9	62.4	62.9	63.5	63.6	64.6	64.9	66.1
80°	50.3	49.7	49.2	49.2	49.2	49.7	50.3	50.9	50.9	52.5	52.0
82.5°	38.4	37.8	37.7	37.3	37.7	37.8	38.4	38.5	38.5	39.8	39.6
85°	20.6	21.1	20.6	21.7	20.6	21.1	20.6	20.0	20.6	21.7	21.7
87.5°	9.0	8.6	9.1	8.7	9.1	8.6	9.0	9.0	9.4	9.2	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: P331829-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-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: P331829-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1581.1	1587.5	1597.1	1602.6	1611.7	1617.6	1620.8	1626.8	1630.0	1641.4	1653.3
5°	1492.7	1501.9	1517.9	1532.8	1548.8	1565.3	1577.3	1591.0	1603.6	1625.3	1648.1
7.5°	1391.5	1404.2	1429.0	1452.7	1480.5	1504.0	1524.7	1548.1	1569.0	1600.1	1632.5
10°	1315.7	1337.9	1370.5	1392.8	1429.3	1452.8	1485.3	1511.1	1540.2	1581.3	1617.9
12.5°	1250.3	1277.1	1303.3	1334.3	1367.2	1406.2	1441.9	1474.9	1509.6	1552.0	1595.0
15°	1131.7	1170.5	1211.1	1242.5	1287.1	1328.3	1369.9	1414.5	1456.7	1507.6	1563.6
17.5°	979.0	1024.1	1092.3	1146.1	1198.4	1239.7	1291.3	1345.2	1395.1	1456.4	1518.7
20°	910.1	943.2	989.5	1062.0	1140.8	1184.8	1237.4	1296.8	1353.9	1420.7	1487.6
22.5°	854.7	884.2	921.4	977.9	1065.9	1125.8	1180.7	1241.0	1307.3	1375.5	1449.7
25°	775.8	796.3	835.2	880.9	941.5	1040.3	1100.3	1160.8	1232.9	1306.0	1390.5
27.5°	716.5	735.0	760.3	803.9	848.9	919.9	1015.3	1081.3	1153.1	1235.4	1323.1
30°	671.2	692.9	720.9	751.8	800.9	856.4	951.7	1028.3	1099.2	1183.7	1277.4
32.5°	638.3	655.5	679.3	710.7	751.6	804.7	880.9	973.9	1042.9	1132.0	1229.9
35°	584.4	604.4	623.9	653.6	686.6	735.2	792.9	892.3	960.9	1048.9	1147.1
37.5°	539.9	552.2	573.7	597.2	632.1	668.4	718.4	807.5	881.8	968.1	1068.7
40°	506.2	521.6	537.6	563.9	592.5	627.2	676.4	742.7	827.8	912.3	1010.6
42.5°	473.3	492.8	509.7	527.3	558.6	593.5	633.4	689.7	776.6	856.6	952.1
45°	433.6	446.2	463.9	483.3	509.0	538.7	574.1	623.3	706.7	775.8	865.5
47.5°	387.4	405.9	417.4	436.4	460.8	489.1	522.0	564.6	632.1	696.8	780.1
50°	355.9	374.8	391.3	408.5	430.2	457.6	485.0	526.2	580.4	648.4	726.1
52.5°	328.9	345.5	361.6	378.8	400.0	425.2	451.2	487.3	533.8	596.3	671.8
55°	292.0	302.2	318.7	335.9	354.7	378.8	403.9	434.2	474.2	526.8	587.9
57.5°	254.0	265.9	279.1	296.3	315.4	333.7	356.4	383.7	415.3	462.9	515.2
60°	232.5	241.7	252.5	270.2	287.9	304.4	326.2	349.0	378.8	419.9	464.4
62.5°	208.7	217.4	227.4	242.8	260.0	275.3	294.2	318.4	343.5	381.1	420.1
65°	169.1	181.7	191.4	205.1	219.4	235.4	250.2	269.7	292.0	321.7	356.5
67.5°	140.2	146.6	155.6	168.1	182.7	196.4	210.4	225.7	245.0	267.9	295.6
70°	127.4	129.7	131.4	143.4	157.1	170.8	183.9	198.2	214.8	233.7	257.6
72.5°	112.3	114.6	116.8	121.9	132.9	146.6	160.1	170.8	186.5	202.1	221.5
75°	89.1	92.6	94.3	97.1	101.1	110.3	122.9	133.1	142.2	154.2	169.7
77.5°	67.8	69.8	71.6	74.6	77.1	81.4	88.4	97.7	106.2	113.2	123.8
80°	53.7	54.2	56.6	57.7	61.1	64.0	67.4	74.8	83.4	86.3	93.7
82.5°	40.5	41.0	42.9	44.0	45.5	48.0	52.3	54.2	61.0	64.7	69.5
85°	22.3	21.7	23.4	23.4	24.5	25.7	26.9	29.7	31.4	36.0	37.1
87.5°	9.4	9.3	9.5	9.3	9.0	9.8	10.0	10.2	10.8	11.9	13.3
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: P331829-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-A

**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: P331829-935

CATALOG NUMBER: S122RDIW-S865D710U935-4F0-1E-UDD-A

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1653.7	1655.1	1664.2	1668.4	1676.6	1679.8	1683.4	1682.6	1682.6	1684.4	1697.2
5°	1657.3	1668.7	1685.8	1702.5	1718.4	1732.2	1741.3	1750.4	1753.9	1770.4	1785.3
7.5°	1651.3	1672.4	1700.7	1726.0	1756.3	1779.9	1799.6	1817.2	1829.4	1853.5	1878.2
10°	1643.6	1673.3	1705.3	1737.8	1779.5	1810.9	1843.0	1867.5	1875.5	1911.5	1932.1
12.5°	1628.1	1667.8	1708.5	1750.7	1791.4	1834.7	1869.9	1894.5	1922.6	1954.9	1992.9
15°	1604.7	1650.5	1703.6	1757.8	1816.1	1868.6	1906.3	1949.2	1980.0	2015.5	2048.6
17.5°	1571.2	1630.1	1697.6	1760.5	1827.9	1884.3	1936.2	1977.3	1999.0	2019.2	2024.1
20°	1544.7	1608.2	1687.6	1761.9	1829.3	1894.4	1945.8	1980.0	1985.8	1986.3	1956.1
22.5°	1516.0	1587.6	1670.7	1746.7	1827.4	1899.9	1939.8	1954.5	1931.8	1893.1	1834.5
25°	1463.0	1545.9	1642.4	1729.2	1817.2	1885.8	1899.5	1873.8	1794.4	1711.0	1605.3
27.5°	1405.7	1498.8	1602.3	1698.8	1792.6	1835.0	1805.5	1712.8	1569.8	1445.4	1294.8
30°	1363.7	1468.2	1569.9	1677.8	1764.7	1783.0	1715.0	1578.5	1411.6	1224.3	1074.0
32.5°	1315.7	1425.2	1537.0	1648.6	1721.3	1703.4	1591.1	1423.1	1227.4	1043.3	901.3
35°	1247.1	1360.2	1480.7	1592.8	1639.0	1561.9	1394.0	1175.1	975.2	803.2	705.5
37.5°	1167.9	1291.1	1416.4	1519.2	1516.0	1387.4	1158.6	932.8	764.7	663.1	593.5
40°	1111.7	1236.2	1371.7	1458.4	1421.3	1254.0	1006.0	792.9	670.1	589.0	538.1
42.5°	1057.8	1182.8	1317.2	1386.3	1321.7	1115.9	868.9	702.0	600.6	537.4	496.1
45°	966.0	1098.0	1222.5	1260.8	1145.4	918.6	702.7	581.6	514.2	467.3	438.8
47.5°	876.3	1006.2	1119.8	1120.5	964.4	744.9	592.8	503.3	445.7	409.5	388.7
50°	821.5	944.9	1040.3	1025.5	848.3	662.7	530.1	453.1	405.0	377.0	355.3
52.5°	759.8	879.5	962.2	919.9	750.1	583.2	473.9	409.1	369.4	345.1	325.6
55°	670.1	776.4	834.7	770.7	611.8	485.0	400.5	349.7	319.9	299.4	282.8
57.5°	582.0	669.7	706.4	631.8	503.9	402.2	338.8	300.6	271.1	256.4	247.8
60°	526.8	601.6	627.2	545.0	438.2	351.9	299.9	264.5	242.8	233.1	224.5
62.5°	472.3	533.5	544.1	468.6	381.9	308.1	263.4	233.4	219.0	209.7	201.6
65°	391.9	435.9	430.8	370.2	302.2	244.5	212.0	193.6	182.8	169.7	155.4
67.5°	322.6	349.5	333.3	287.9	230.7	190.0	168.8	154.9	141.5	129.0	125.7
70°	278.8	294.2	277.1	235.4	189.1	159.4	142.2	125.7	117.7	114.9	109.7
72.5°	236.8	242.1	223.6	187.9	153.9	132.0	115.3	106.0	101.7	99.3	96.0
75°	177.7	173.7	157.6	129.7	106.9	92.0	86.9	83.4	80.6	78.3	76.5
77.5°	124.8	118.9	104.7	86.4	74.4	67.3	64.2	62.4	61.0	59.8	58.1
80°	93.7	89.7	75.4	61.7	56.6	53.1	51.4	49.2	49.2	48.0	46.2
82.5°	68.5	64.1	51.7	45.2	42.4	40.3	39.1	37.7	37.3	37.5	36.2
85°	36.0	29.1	25.7	24.5	22.8	21.7	22.3	21.1	21.1	21.1	20.6
87.5°	11.4	9.4	9.2	9.0	9.8	10.0	9.7	10.0	10.7	10.3	10.9
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°	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2	1644.2
2.5°	1701.8	1707.7	1710.4	1710.4	1713.6	1712.3	1710.9
5°	1799.6	1810.4	1812.7	1823.0	1830.4	1828.1	1829.3
7.5°	1896.8	1914.3	1931.5	1939.4	1940.6	1945.2	1946.9
10°	1956.6	1970.9	1997.8	1993.7	2013.8	2025.2	2006.3
12.5°	2014.2	2033.5	2052.2	2057.3	2068.6	2072.3	2064.9
15°	2066.3	2076.6	2077.8	2074.9	2078.3	2075.4	2064.6
17.5°	2017.7	2001.0	1967.1	1951.1	1938.5	1919.8	1912.2
20°	1937.2	1888.1	1830.9	1808.1	1781.2	1728.7	1741.3
22.5°	1763.6	1707.5	1650.5	1583.7	1551.9	1502.0	1499.0
25°	1493.3	1396.8	1290.6	1216.2	1172.9	1123.2	1101.4
27.5°	1161.1	1039.5	952.4	908.4	868.2	828.8	827.2
30°	942.6	851.2	783.8	746.1	721.5	705.0	708.4
32.5°	794.5	731.9	686.5	655.1	637.0	624.5	624.3
35°	649.5	606.7	577.6	564.4	551.3	542.2	542.7
37.5°	555.9	530.1	513.9	499.4	491.2	486.7	484.2
40°	507.9	486.7	474.2	465.6	458.7	452.5	451.3
42.5°	469.9	452.5	439.9	433.2	426.7	422.3	421.1
45°	417.1	402.8	391.3	383.9	381.1	377.0	377.0
47.5°	371.0	357.0	348.0	343.4	338.5	335.8	335.7
50°	339.9	329.1	321.1	318.2	314.2	312.5	311.9
52.5°	312.0	303.9	298.3	296.3	294.5	292.4	292.7
55°	274.2	269.7	267.3	265.6	262.8	259.3	261.7
57.5°	242.4	238.4	232.3	226.9	224.3	221.9	222.8
60°	220.0	212.0	204.0	197.7	196.0	190.8	190.8
62.5°	191.6	180.4	170.6	167.0	165.3	162.9	162.5
65°	147.4	142.8	140.5	138.3	137.1	137.1	136.0
67.5°	122.2	120.3	117.8	117.3	116.1	115.7	115.4
70°	108.0	105.6	104.5	104.0	102.8	103.4	101.7
72.5°	94.3	92.5	92.2	90.7	90.1	90.1	88.9
75°	74.3	74.3	73.7	73.1	72.0	71.4	72.0
77.5°	57.2	57.3	56.2	56.1	56.0	56.1	55.5
80°	45.7	46.2	45.7	45.1	44.6	45.1	44.6
82.5°	36.1	35.3	35.2	35.0	35.0	34.6	34.5
85°	20.6	21.1	20.6	20.0	20.0	20.0	20.6
87.5°	10.6	10.7	10.8	10.8	10.9	10.9	10.6
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)