

TAB #2: IDEAL DISTRIBUTION c(R/b)								
STANDARD PETRIE DISH PARAMETERS								
2R=100mm								
2a=15mm								
R/a=6.66								
n	R/a	Log term	Arctan term	Total	Scaled			
1	0.1	0.00995	0.294225535	0.304176	28.81033			
2	0.2	0.039221	0.549360307	0.588581	55.74806			
3	0.3	0.086178	0.767603719	0.853781	80.86678			
4	0.4	0.14842	0.95223196	1.100652	104.2494			
5	0.5	0.223144	1.107148718	1.330292	126			
6	0.6	0.307485	1.236452192	1.543937	146.2356			
7	0.7	0.398776	1.344098507	1.742875	165.0782			
8	0.8	0.494696	1.433688615	1.928385	182.649			
9	0.9	0.593327	1.508366205	2.101693	199.064			
10	1	0.693147	1.570796327	2.263944	214.4317			
11	1.1	0.792993	1.623193132	2.416186	228.8515			
12	1.2	0.891998	1.667371863	2.55937	242.4134			
13	1.3	0.989541	1.704808628	2.69435	255.1981	Exact slope at origin		3.141593
14	1.4	1.085189	1.736698561	2.821888	267.278	f(1)/f(0.5)		1.701839
15	1.5	1.178655	1.764007811	2.942663	278.7173	f(1.4)/f(0.7)		1.6191
16	1.6	1.269761	1.787517809	3.057278	289.5733	f(1.2)/f(0.6)		1.657691
17	1.7	1.358409	1.807861829	3.166271	299.8966	f(1.6)/f(0.8)		1.585409
18	1.8	1.444563	1.825554616	3.270118	309.7326	f(1.8)/f(0.9)		1.555945
19	1.9	1.528228	1.84101613	3.369244	319.1214	f(2.0)/f(1.0)		1.530086
20	2	1.609438	1.854590436	3.464028	328.099	f(2.2)/f(1.1)		1.50729
21	2.1	1.688249	1.866560682	3.55481	336.6975			
22	2.2	1.764731	1.87716097	3.641892	344.9455			
23	2.3	1.838961	1.886585766	3.725547	352.869			
24	2.4	1.911023	1.894997375	3.80602	360.4911			
25	2.5	1.981001	1.902531886	3.883533	367.8329			
26	2.6	2.048982	1.909303936	3.958286	374.9132			
27	2.7	2.11505	1.915410521	4.03046	381.7492			
28	2.8	2.179287	1.920934066	4.100221	388.3566			
29	2.9	2.241773	1.925944912	4.167718	394.7497			
30	3	2.302585	1.930503326	4.233088	400.9413			
31	3.1	2.361797	1.934661154	4.296458	406.9434			
32	3.2	2.419479	1.938463158	4.357942	412.767			
33	3.3	2.475698	1.94194813	4.417646	418.4219			
34	3.4	2.530517	1.945149804	4.475667	423.9174			
35	3.5	2.583998	1.948097613	4.532095	429.2621			
36	3.6	2.636196	1.950817322	4.587013	434.4637			
37	3.7	2.687167	1.953331555	4.640499	439.5296			
38	3.8	2.736962	1.955660234	4.692622	444.4665			
39	3.9	2.785628	1.957820956	4.743449	449.2807			

40	4	2.833213	1.959829305	4.793043	453.978			
41	4.1	2.87976	1.96169912	4.841459	458.5638			
42	4.2	2.92531	1.963442719	4.888753	463.0432			
43	4.3	2.969902	1.965071098	4.934973	467.421			
44	4.4	3.013572	1.96659409	4.980166	471.7016			
45	4.5	3.056357	1.968020513	5.024377	475.8891			
46	4.6	3.098289	1.969358289	5.067647	479.9874			
47	4.7	3.1394	1.970614551	5.110014	484.0002			
48	4.8	3.179719	1.971795736	5.151515	487.931			
49	4.9	3.219276	1.972907662	5.192183	491.783			
50	5	3.258097	1.973955598	5.232052	495.5592			
51	5.1	3.296207	1.974944327	5.271151	499.2625			
52	5.2	3.333632	1.975878194	5.30951	502.8957			
53	5.3	3.370394	1.976761158	5.347156	506.4613			
54	5.4	3.406517	1.977596826	5.384113	509.9618			
55	5.5	3.442019	1.978388498	5.420408	513.3995			
56	5.6	3.476923	1.979139188	5.456062	516.7765			
57	5.7	3.511247	1.979851661	5.491099	520.095			
58	5.8	3.545009	1.980528453	5.525538	523.357			
59	5.9	3.578227	1.981171894	5.559399	526.5642			
60	6	3.610918	1.981784129	5.592702	529.7185			
61	6.1	3.643097	1.982367132	5.625464	532.8216			
62	6.2	3.674781	1.982922727	5.657703	535.8752			
63	6.3	3.705982	1.983452596	5.689435	538.8807			
64	6.4	3.736717	1.983958297	5.720675	541.8396			
65	6.5	3.766997	1.984441269	5.751439	544.7534			
66	6.6	3.796837	1.98490285	5.781739	547.6234			
67	6.7	3.826247	1.985344278	5.811592	550.4509			
68	6.8	3.855241	1.985766705	5.841008	553.237			
69	6.9	3.883829	1.986171202	5.87	555.9831			
70	7	3.912023	1.986558764	5.898582	558.6902			
71	7.1	3.939833	1.986930322	5.926763	561.3595			
72	7.2	3.967268	1.987286741	5.954555	563.9918			
73	7.3	3.99434	1.987628828	5.981969	566.5883			
74	7.4	4.021057	1.987957341	6.009014	569.1499			
75	7.5	4.047428	1.988272984	6.035701	571.6776			
76	7.6	4.073461	1.98857642	6.062038	574.1721			
77	7.7	4.099166	1.988868268	6.088035	576.6344			
78	7.8	4.12455	1.989149108	6.1137	579.0653			
79	7.9	4.149622	1.989419486	6.139041	581.4656			
80	8	4.174387	1.989679913	6.164067	583.836			
81	8.1	4.198855	1.98993087	6.188786	586.1772			
82	8.2	4.223031	1.990172809	6.213204	588.49			
83	8.3	4.246923	1.990406157	6.237329	590.775			
84	8.4	4.270536	1.990631314	6.261168	593.0329			
85	8.5	4.293878	1.990848658	6.284727	595.2644			
86	8.6	4.316955	1.991058545	6.308013	597.47			

87	8.7	4.339771	1.991261312	6.331033	599.6503			
88	8.8	4.362334	1.991457276	6.353791	601.8059			
89	8.9	4.384648	1.991646738	6.376295	603.9373			
90	9	4.406719	1.991829981	6.398549	606.0452			
91	9.1	4.428552	1.992007274	6.42056	608.1299			
92	9.2	4.450152	1.992178872	6.442331	610.192			
93	9.3	4.471525	1.992345014	6.46387	612.232			
94	9.4	4.492673	1.99250593	6.485179	614.2504			
95	9.5	4.513603	1.992661836	6.506265	616.2476			
96	9.6	4.534318	1.992812937	6.527131	618.224			
97	9.7	4.554824	1.992959428	6.547783	620.18			
98	9.8	4.575123	1.993101495	6.568225	622.1162			
99	9.9	4.595221	1.993239313	6.58846	624.0328			
100	10	4.615121	1.99337305	6.608494	625.9303			
101	10	4.634826	1.993502865	6.628329	627.809			
102	10	4.654341	1.99362891	6.64797	629.6693			
103	10	4.67367	1.993751329	6.667421	631.5116			
104	10	4.692815	1.99387026	6.686685	633.3362			
105	11	4.71178	1.993985833	6.705766	635.1435			
106	11	4.730569	1.994098174	6.724667	636.9337			
107	11	4.749184	1.994207402	6.743391	638.7072			
108	11	4.767629	1.99431363	6.761943	640.4644			
109	11	4.785907	1.994416968	6.780324	642.2054			
110	11	4.804021	1.994517518	6.798539	643.9306			
111	11	4.821974	1.994615381	6.816589	645.6402			
112	11	4.839768	1.994710651	6.834479	647.3347			
113	11	4.857406	1.994803418	6.85221	649.0141			
114	11	4.874892	1.99489377	6.869786	650.6788			
115	12	4.892227	1.99498179	6.887209	652.3291			
116	12	4.909414	1.995067556	6.904482	653.9651			
117	12	4.926456	1.995151145	6.921607	655.5872			
118	12	4.943355	1.99523263	6.938588	657.1955			
119	12	4.960114	1.995312081	6.955426	658.7903			
120	12	4.976734	1.995389565	6.972123	660.3718			
121	12	4.993218	1.995465147	6.988683	661.9403			
122	12	5.009568	1.995538887	7.005107	663.4959			
123	12	5.025787	1.995610846	7.021397	665.0389			
124	12	5.041876	1.995681079	7.037557	666.5694			
125	13	5.057837	1.995749643	7.053587	668.0877			
126	13	5.073673	1.995816588	7.069489	669.5939			
127	13	5.089385	1.995881967	7.085267	671.0883			
128	13	5.104975	1.995945826	7.100921	672.571			