380						
α	Real Chief Ray Image Height	Relative Distance (dr)	Gradient	Linear Distribution	Gap	Percent Divergence
0	0	0	0.014691	0	0	
1	0.0174825	0.014691547	0.014693	0.017094	-2.40247	14.054451
2	0.0349702	0.029387464	0.0147	0.034188	-4.80057	14.041669
3	0.0524685	0.044092288	0.014711	0.0512821	-7.18976	14.020038
4	0.0699828	0.058810558	0.014727	0.0683761	-9.56551	13.989559
5	0.0875187	0.07354698	0.014747	0.0854701	-11.9231	13.950033
6	0.105082	0.088306428	0.014772	0.1025641	-14.2577	13.901233
7	0.122678	0.103093355	0.014802	0.1196581	-16.5648	13.84341
8	0.140313	0.117913057	0.014838	0.1367521	-18.8391	13.776077
9	0.157994	0.132771414	0.014879	0.1538462	-21.0747	13.698581
10	0.175727	0.147673471	0.014926	0.1709402	-23.2667	13.61102
11	0.19352	0.162625949	0.01498	0.1880342	-25.4082	13.512564
12	0.21138	0.17763473	0.015039	0.2051282	-27.4935	13.403069
13	0.229314	0.192705698	0.015105	0.2222222	-29.5165	13.282436
14	0.247331	0.207846416	0.015178	0.2393162	-31.4698	13.14989
15	0.26544	0.223064447	0.01526	0.2564103	-33.3458	13.004866
16	0.283651	0.238368194	0.015349	0.2735043	-35.1361	12.846629
17	0.301972	0.253764381	0.015446	0.2905983	-36.8339	12.675198
18	0.320415	0.269263091	0.015553	0.3076923	-38.4292	12.489496
19	0.33899	0.284872728	0.015669	0.3247863	-39.9136	12.289186
20	0.357709	0.300603377	0.015794	0.3418803	-41.277	12.073512
21	0.376583	0.316464281	0.01593	0.3589744	-42.5101	11.842093
22	0.395625	0.332466365	0.016076	0.3760684	-43.602	11.594171
23	0.414847	0.348619713	0.016233	0.3931624	-44.5427	11.329334
24	0.434262	0.36493525	0.0164	0.4102564	-45.3212	11.047033
25	0.453883	0.381423901	0.016579	0.4273504	-45.9265	10.746807
26	0.473723	0.398096591	0.016768	0.4444444	-46.3479	10.428267
27	0.493793	0.414962562	0.016966	0.4615385	-46.5759	10.091445
28	0.514106	0.43203274	0.017175	0.4786325	-46.5997	9.7360168
29	0.534672	0.449315529	0.017391	0.4957265	-46.411	9.3622123
30	0.555499	0.466817651	0.017614	0.5128205	-46.0029	8.9705581
31	0.576595	0.484545829	0.017843	0.5299145	-45.3687	8.5615129
32	0.597965	0.502504265	0.018074	0.5470085	-44.5043	8.1359391
33	0.619609	0.520692959	0.018304	0.5641026	-43.4096	7.6953391
34	0.641526	0.53911107	0.018531	0.5811966	-42.0855	7.2411835
35	0.66371	0.557753557	0.018752	0.5982906	-40.537	6.7754769
36	0.686152	0.576612856	0.018963	0.6153846	-38.7718	6.3004109
37	0.708836	0.595675521	0.01916	0.6324786	-36.8031	5.8188703
38	0.731746	0.614928107	0.019341	0.6495726	-34.6445	5.3334361
39	0.754858	0.634350446	0.0195	0.6666667	-32.3162	4.8474331
40	0.778147	0.653921527	0.019637	0.6837607	-29.8392	4.3639766
41	0.801584	0.673616982	0.019749	0.7008547	-27.2377	3.8863575
42	0.825139	0.693411599	0.019835	0.7179487	-24.5371	3.4176702
43	0.848779	0.713277646	0.019892	0.7350427	-21.7651	2.9610645
44	0.87247	0.733186551	0.01992	0.7521368	-18.9502	2.5195154
45	0.896175	0.753107221	0.019916	0.7692308	-16.1235	2.0960612

380						
α	Real Chief Ray Image Height	Relative Distance (dr)	Gradient	Linear Distribution	Gap	Percent Divergence
46	0.919855	0.773006883	0.019878	0.7863248	-13.3179	1.6936899
47	0.943469	0.79285108	0.019803	0.8034188	-10.5677	1.3153443
48	0.966968	0.812598637	0.019684	0.8205128	-7.91418	0.9645411
49	0.990299	0.832205014	0.019518	0.8376068	-5.40182	0.6449116
50	1.0134	0.851618108	0.019299	0.8547009	-3.08275	0.3606814
51	1.03621	0.870786658	0.019021	0.8717949	-1.00821	0.115648
52	1.05864	0.889635873	0.01867	0.8888889	0.74698	0.0840357
53	1.08062	0.908106927	0.018257	0.9059829	2.12402	0.2344438
54	1.10206	0.926124188	0.017771	0.9230769	3.04726	0.3301204
55	1.12289	0.943628831	0.017223	0.9401709	3.45789	0.3677938
56	1.14302	0.960545224	0.016611	0.957265	3.28027	0.3426707
57	1.16241	0.976839752	0.015964	0.974359	2.48078	0.2546062
58	1.18099	0.992453591	0.015268	0.991453	1.0006	0.1009226
58.5	1.18997	1	0.014917	1	0	0

380						
α	Real Chief Ray Image Height	Relative Distance (dr)	Gradient	Linear Distribution	Gap	Percent Divergence
22	0.395625	0.332466365	0.016076	0.3760684	-0.0436	11.594171
22.1	0.397539	0.334074809	0.016091	0.3777778	-0.0437	11.568433
22.2	0.399454	0.335684093	0.016106	0.3794872	-0.0438	11.542705
22.3	0.401372	0.337295898	0.016122	0.3811966	-0.0439	11.516547
22.4	0.403291	0.338908544	0.016137	0.382906	-0.044	11.490403
22.5	0.405213	0.340523711	0.016153	0.3846154	-0.04409	11.463835
22.6	0.407136	0.342139718	0.016169	0.3863248	-0.04419	11.437285
22.7	0.409061	0.343757406	0.016185	0.3880342	-0.04428	11.410536
22.8	0.410988	0.345376774	0.0162	0.3897436	-0.04437	11.383591
22.9	0.412916	0.346996983	0.016217	0.391453	-0.04446	11.356666
23	0.414847	0.348619713	0.016233	0.3931624	-0.04454	11.329334
23.1	0.41678	0.350244124	0.016249	0.3948718	-0.04463	11.301813
23.2	0.418714	0.351869375	0.016265	0.3965812	-0.04471	11.274317
23.3	0.420651	0.353497147	0.016282	0.3982906	-0.04479	11.246424
23.4	0.422589	0.355125759	0.016298	0.4	-0.04487	11.21856
23.5	0.42453	0.356756893	0.016315	0.4017094	-0.04495	11.190305
23.6	0.426472	0.358388867	0.016332	0.4034188	-0.04503	11.162082
23.7	0.428417	0.360023362	0.016349	0.4051282	-0.0451	11.133474
23.8	0.430363	0.361658697	0.016366	0.4068376	-0.04518	11.1049
23.9	0.432312	0.363296554	0.016383	0.408547	-0.04525	11.075948
24	0.434262	0.36493525	0.0164	0.4102564	-0.04532	11.047033
24.1	0.436215	0.366576468	0.016418	0.4119658	-0.04539	11.017745
24.2	0.43817	0.368219367	0.016435	0.4136752	-0.04546	10.988294
24.3	0.440126	0.369863106	0.016453	0.4153846	-0.04552	10.958882
24.4	0.442085	0.371509366	0.01647	0.417094	-0.04558	10.929107
24.5	0.444046	0.373157306	0.016488	0.4188034	-0.04565	10.899174
24.6	0.446009	0.374806928	0.016506	0.4205128	-0.04571	10.869084
24.7	0.447975	0.37645907	0.016524	0.4222222	-0.04576	10.838641
24.8	0.449942	0.378112053	0.016542	0.4239316	-0.04582	10.808246
24.9	0.451912	0.379767557	0.016561	0.425641	-0.04587	10.777502
25	0.453883	0.381423901	0.016579	0.4273504	-0.04593	10.746807
25.1	0.455857	0.383082767	0.016598	0.4290598	-0.04598	10.715769
25.2	0.457833	0.384743313	0.016616	0.4307692	-0.04603	10.684588
25.3	0.459812	0.38640638	0.016635	0.4324786	-0.04607	10.65307
25.4	0.461792	0.388070287	0.016654	0.434188	-0.04612	10.621607
25.5	0.463775	0.389736716	0.016672	0.4358974	-0.04616	10.589812
25.6	0.46576	0.391404825	0.016691	0.4376068	-0.0462	10.557882
25.7	0.467747	0.393074615	0.01671	0.4393162	-0.04624	10.525817
25.8	0.469737	0.394746926	0.016729	0.4410256	-0.04628	10.493429
25.9	0.471729	0.396420918	0.016749	0.442735	-0.04631	10.460912
26	0.473723	0.398096591	0.016768	0.4444444	-0.04635	10.428267
26.1	0.475719	0.399773944	0.016787	0.4461538	-0.04638	10.395495
26.2	0.477718	0.401453818	0.016806	0.4478632	-0.04641	10.362411
26.3	0.479719	0.403135373	0.016826	0.4495726	-0.04644	10.329204
26.4	0.481723	0.404819449	0.016846	0.4512821	-0.04646	10.29569
26.5	0.483729	0.406505206	0.016866	0.4529915	-0.04649	10.262058

380						
α	Real Chief Ray Image Height	Relative Distance (dr)	Gradient	Linear Distribution	Gap	Percent Divergence
26.6	0.485737	0.408192644	0.016885	0.4547009	-0.04651	10.22831
26.7	0.487747	0.409881762	0.016906	0.4564103	-0.04653	10.194445
26.8	0.48976	0.411573401	0.016926	0.4581197	-0.04655	10.160284
26.9	0.491776	0.413267561	0.016946	0.4598291	-0.04656	10.125828
27	0.493793	0.414962562	0.016966	0.4615385	-0.04658	10.091445
27.1	0.495814	0.416660924	0.016987	0.4632479	-0.04659	10.05659
27.2	0.497836	0.418360127	0.017008	0.4649573	-0.0466	10.021811
27.3	0.499861	0.42006185	0.017028	0.4666667	-0.0466	9.9867464
27.4	0.501889	0.421766095	0.017049	0.4683761	-0.04661	9.9513994
27.5	0.503919	0.42347202	0.01707	0.4700855	-0.04661	9.915952
27.6	0.505951	0.425179626	0.017091	0.4717949	-0.04662	9.8804053
27.7	0.507986	0.426889754	0.017112	0.4735043	-0.04661	9.8445827
27.8	0.510024	0.428602402	0.017133	0.4752137	-0.04661	9.8084874
27.9	0.512064	0.430316731	0.017154	0.4769231	-0.04661	9.7722984
28	0.514106	0.43203274	0.017175	0.4786325	-0.0466	9.7360168
28.1	0.516151	0.433751271	0.017197	0.4803419	-0.04659	9.6994685
28.2	0.518199	0.435472323	0.017218	0.4820513	-0.04658	9.6626564
28.3	0.520249	0.437195055	0.017239	0.4837607	-0.04657	9.6257571
28.4	0.522302	0.438920309	0.017261	0.4854701	-0.04655	9.5885983
28.5	0.524357	0.440647243	0.017283	0.4871795	-0.04653	9.5513553
28.6	0.526415	0.442376699	0.017304	0.4888889	-0.04651	9.5138571
28.7	0.528475	0.444107835	0.017326	0.4905983	-0.04649	9.4762776
28.8	0.530538	0.445841492	0.017348	0.4923077	-0.04647	9.438447
28.9	0.532604	0.44757767	0.017369	0.4940171	-0.04644	9.4003678
29	0.534672	0.449315529	0.017391	0.4957265	-0.04641	9.3622123
29.1	0.536743	0.451055909	0.017413	0.4974359	-0.04638	9.3238121
29.2	0.538816	0.45279797	0.017435	0.4991453	-0.04635	9.2853383
29.3	0.540892	0.454542551	0.017457	0.5008547	-0.04631	9.2466237
29.4	0.542971	0.456289654	0.01748	0.5025641	-0.04627	9.2076708
29.5	0.545052	0.458038438	0.017502	0.5042735	-0.04624	9.1686487
29.6	0.547136	0.459789743	0.017524	0.5059829	-0.04619	9.1293921
29.7	0.549223	0.461543568	0.017547	0.5076923	-0.04615	9.0899032
29.8	0.551312	0.463299075	0.017569	0.5094017	-0.0461	9.0503494
29.9	0.553404	0.465057102	0.017592	0.5111111	-0.04605	9.0105669
30	0.555499	0.466817651	0.017614	0.5128205	-0.046	8.9705581

380						
α	Real Chief Ray Image Height	Relative Distance (dr)	Gradient	Linear Distribution	Gap	Percent Divergence
52	1.05864	0.889635873	0.01867	0.8888889	0.00075	0.0840357
52.1	1.06086	0.891501466	0.018635	0.8905983	0.0009	0.1014123
52.2	1.06307	0.893358656	0.018596	0.8923077	0.00105	0.1177804
52.3	1.06528	0.895215846	0.018556	0.8940171	0.0012	0.134086
52.4	1.06749	0.897073035	0.018515	0.8957265	0.00135	0.1503293
52.5	1.06969	0.898921822	0.018474	0.8974359	0.00149	0.1655744
52.6	1.07189	0.900770608	0.018432	0.8991453	0.00163	0.1807615
52.7	1.07408	0.90261099	0.01839	0.9008547	0.00176	0.1949581
52.8	1.07626	0.904442969	0.018346	0.9025641	0.00188	0.2081699
52.9	1.07844	0.906274948	0.018302	0.9042735	0.002	0.2213317
53	1.08062	0.908106927	0.018257	0.9059829	0.00212	0.2344438
53.1	1.08279	0.909930502	0.018208	0.9076923	0.00224	0.2465808
53.2	1.08495	0.911745674	0.018162	0.9094017	0.00234	0.257748
53.3	1.08711	0.913560846	0.018115	0.9111111	0.00245	0.2688733
53.4	1.08926	0.915367614	0.018068	0.9128205	0.00255	0.2790364
53.5	1.09141	0.917174383	0.01802	0.9145299	0.00264	0.2891615
53.6	1.09355	0.918972747	0.017971	0.9162393	0.00273	0.2983316
53.7	1.09569	0.920771112	0.017922	0.9179487	0.00282	0.3074675
53.8	1.09782	0.922561073	0.017872	0.9196581	0.0029	0.3156557
53.9	1.09994	0.92434263	0.017822	0.9213675	0.00298	0.3229015
54	1.10206	0.926124188	0.017771	0.9230769	0.00305	0.3301204
54.1	1.10417	0.927897342	0.017722	0.9247863	0.00311	0.3364039
54.2	1.10628	0.929670496	0.01767	0.9264957	0.00317	0.3426642
54.3	1.10838	0.931435246	0.017616	0.9282051	0.00323	0.3479961
54.4	1.11047	0.933191593	0.017563	0.9299145	0.00328	0.3524048
54.5	1.11256	0.93494794	0.017508	0.9316239	0.00332	0.3567972
54.6	1.11464	0.936695883	0.017452	0.9333333	0.00336	0.3602732
54.7	1.11671	0.938435423	0.017396	0.9350427	0.00339	0.3628377
54.8	1.11877	0.940166559	0.017339	0.9367521	0.00341	0.3644958
54.9	1.12083	0.941897695	0.017282	0.9384615	0.00344	0.3661478
55	1.12289	0.943628831	0.017223	0.9401709	0.00346	0.3677938
55.1	1.12493	0.94534316	0.017157	0.9418803	0.00346	0.3676495
55.2	1.12697	0.947057489	0.017098	0.9435897	0.00347	0.3675056
55.3	1.129	0.948763414	0.017038	0.9452991	0.00346	0.3664733
55.4	1.13103	0.95046934	0.016978	0.9470085	0.00346	0.3654447
55.5	1.13305	0.952166861	0.016918	0.9487179	0.00345	0.363534
55.6	1.13506	0.95385598	0.016857	0.9504274	0.00343	0.3607461
55.7	1.13706	0.955536694	0.016796	0.9521368	0.0034	0.3570855
55.8	1.13905	0.957209005	0.016735	0.9538462	0.00336	0.352557
55.9	1.14104	0.958881316	0.016673	0.9555556	0.00333	0.3480447
56	1.14302	0.960545224	0.016611	0.957265	0.00328	0.3426707

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