

# OPTIMO ULTRA COMPACT

## DEPTH-OF-FIELD TABLES DISTANCES IN FEET F37-102

angénieux®

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The depths of field tables are provided for information purposes only and are estimated with a circle of confusion of 0.0125mm (0.000492inch). The width of the sharpness zone grows proportionally with the focus distance and aperture and it is inversely proportional to the focal length. In practice the depth of field limits can only be defined accurately by performing screen tests in true shooting conditions.



In case you require any further information please contact our service team at:  
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APERTURE	T 2.90	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	133.385	96.909	69.434	48.827	35.714	24.787	18.230
OBJECT DISTANCE IN FEET	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	108.009	155.600	437.395	∞	∞	∞	∞
	41.679	37.382	32.529	27.261	22.710	17.825	14.227
45	67.243	82.906	125.729	573.546	∞	∞	∞
	33.908	31.028	27.633	23.762	20.252	16.298	13.256
30	38.319	42.861	51.848	75.905	183.364	∞	∞
	24.697	23.156	21.239	18.907	16.647	13.914	11.663
20	23.292	24.855	27.560	32.986	43.900	99.774	∞
	17.547	16.772	15.765	14.472	13.137	11.410	9.881
15	16.731	17.503	18.770	21.074	24.940	36.167	80.678
	13.607	13.147	12.534	11.721	10.849	9.668	8.571
10	10.703	10.999	11.461	12.239	13.385	15.906	20.676
	9.390	9.179	8.890	8.491	8.045	7.406	6.772
8	8.426	8.602	8.871	9.312	9.936	11.204	13.280
	7.618	7.484	7.298	7.036	6.738	6.299	5.850
6	6.221	6.310	6.445	6.660	6.952	7.509	8.326
	5.796	5.722	5.619	5.473	5.301	5.042	4.767
5	5.145	5.202	5.289	5.425	5.607	5.943	6.415
	4.865	4.815	4.746	4.646	4.528	4.347	4.150
4	4.085	4.118	4.167	4.245	4.346	4.529	4.775
	3.920	3.890	3.848	3.787	3.715	3.601	3.475
3,5	3.561	3.584	3.620	3.674	3.745	3.872	4.039
	3.442	3.420	3.390	3.345	3.292	3.207	3.113
3	3.041	3.057	3.080	3.116	3.163	3.245	3.352
	2.961	2.946	2.925	2.895	2.858	2.799	2.732
2,75	2.782	2.795	2.813	2.842	2.879	2.943	3.025
	2.719	2.707	2.690	2.666	2.636	2.588	2.534
2,5	2.525	2.535	2.549	2.570	2.598	2.647	2.709
	2.476	2.467	2.454	2.435	2.412	2.374	2.332
2,25	2.268	2.276	2.286	2.302	2.322	2.358	2.402
	2.232	2.225	2.216	2.201	2.184	2.156	2.124
2	2.013	2.018	2.025	2.036	2.050	2.075	2.105
	1.987	1.983	1.976	1.966	1.953	1.933	1.910

APERTURE	T 2.90	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	185.495	134.691	96.424	67.723	49.459	34.239	25.106
OBJECT DISTANCE IN FEET	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	88.060	107.179	156.924	523.282	∞	∞	∞
	45.590	41.803	37.311	32.157	27.452	22.118	17.986
45	58.988	66.923	83.278	131.903	498.550	∞	∞
	36.430	33.989	30.980	27.366	23.906	19.783	16.432
30	35.530	38.216	42.959	52.852	74.446	239.077	∞
	25.988	24.740	23.130	21.083	18.997	16.333	14.010
20	22.255	23.255	24.887	27.835	32.714	46.428	94.919
	18.173	17.568	16.759	15.681	14.523	12.946	11.473
15	16.202	16.713	17.519	18.894	20.965	25.716	35.524
	13.972	13.619	13.139	12.483	11.754	10.721	9.712
10	10.494	10.696	11.004	11.505	12.204	13.595	15.787
	9.554	9.395	9.175	8.865	8.508	7.978	7.430
8	8.301	8.422	8.605	8.897	9.293	10.046	11.147
	7.722	7.622	7.482	7.281	7.047	6.692	6.316
6	6.157	6.219	6.312	6.458	6.650	7.003	7.485
	5.852	5.798	5.721	5.610	5.479	5.275	5.052
5	5.103	5.143	5.203	5.297	5.419	5.638	5.929
	4.902	4.866	4.814	4.740	4.650	4.510	4.354
4	4.060	4.084	4.119	4.172	4.241	4.363	4.521
	3.942	3.920	3.890	3.844	3.790	3.703	3.605
3,5	3.543	3.560	3.585	3.623	3.672	3.757	3.867
	3.458	3.442	3.420	3.387	3.347	3.283	3.211
3	3.029	3.040	3.057	3.082	3.115	3.171	3.242
	2.972	2.961	2.946	2.923	2.896	2.852	2.801
2,75	2.773	2.782	2.795	2.815	2.841	2.885	2.940
	2.727	2.719	2.707	2.689	2.667	2.631	2.590
2,5	2.518	2.525	2.535	2.550	2.570	2.603	2.645
	2.483	2.476	2.467	2.453	2.436	2.408	2.376
2,25	2.263	2.268	2.276	2.287	2.301	2.326	2.356
	2.237	2.232	2.225	2.215	2.202	2.181	2.157
2	2.009	2.013	2.018	2.026	2.036	2.053	2.074
	1.991	1.987	1.983	1.975	1.966	1.951	1.934

APERTURE	T 2.90	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	276.741	200.849	143.684	100.810	73.526	50.790	37.148
OBJECT DISTANCE IN FEET	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	76.242	85.004	102.117	146.541	323.214	∞	∞
	49.511	46.443	42.612	37.936	33.380	27.848	23.269
45	53.478	57.611	64.929	80.283	114.221	393.841	∞
	38.871	36.969	34.518	31.406	28.240	24.203	20.691
30	33.484	35.033	37.568	42.160	49.811	71.646	152.960
	27.187	26.256	25.014	23.362	21.590	19.182	16.938
20	21.453	22.064	23.019	24.624	26.987	32.174	41.951
	18.738	18.301	17.703	16.878	15.953	14.628	13.314
15	15.783	16.103	16.593	17.391	18.509	20.747	24.313
	14.295	14.045	13.698	13.210	12.650	11.821	10.966
10	10.325	10.455	10.649	10.956	11.368	12.133	13.211
	9.696	9.586	9.431	9.208	8.945	8.541	8.106
8	8.199	8.277	8.394	8.577	8.817	9.253	9.843
	7.811	7.742	7.645	7.503	7.333	7.069	6.779
6	6.104	6.145	6.205	6.298	6.418	6.631	6.909
	5.900	5.863	5.810	5.733	5.639	5.491	5.325
5	5.068	5.095	5.134	5.194	5.272	5.407	5.580
	4.934	4.909	4.874	4.822	4.759	4.659	4.545
4	4.040	4.056	4.078	4.113	4.158	4.235	4.332
	3.961	3.946	3.925	3.894	3.856	3.795	3.725
3,5	3.529	3.540	3.556	3.581	3.613	3.667	3.735
	3.472	3.461	3.446	3.423	3.396	3.351	3.299
3	3.019	3.027	3.038	3.054	3.076	3.112	3.156
	2.981	2.974	2.963	2.948	2.929	2.899	2.863
2,75	2.765	2.771	2.780	2.793	2.810	2.838	2.873
	2.735	2.729	2.721	2.709	2.694	2.669	2.640
2,5	2.512	2.516	2.523	2.533	2.546	2.568	2.594
	2.488	2.484	2.477	2.468	2.456	2.437	2.415
2,25	2.259	2.262	2.267	2.275	2.284	2.300	2.320
	2.241	2.238	2.233	2.226	2.218	2.203	2.186
2	2.006	2.009	2.012	2.017	2.024	2.035	2.048
	1.994	1.992	1.988	1.983	1.977	1.967	1.955

APERTURE	T 2.90	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	447.837	324.904	232.306	162.857	118.662	81.833	59.736
OBJECT DISTANCE IN FEET	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	69.076	73.291	80.444	94.280	120.213	222.912	∞
	53.054	50.828	47.909	44.117	40.158	34.955	30.279
45	49.877	52.021	55.496	61.693	71.742	98.656	180.449
	41.005	39.672	37.884	35.491	32.901	29.350	26.004
30	32.057	32.916	34.252	36.478	39.716	46.651	59.126
	28.197	27.570	26.708	25.513	24.167	22.222	20.277
20	20.872	21.224	21.758	22.615	23.789	26.054	29.441
	19.201	18.915	18.514	17.945	17.284	16.288	15.241
15	15.473	15.661	15.943	16.387	16.980	18.075	19.602
	14.556	14.395	14.167	13.840	13.452	12.855	12.208
10	10.198	10.275	10.390	10.568	10.799	11.211	11.751
	9.810	9.740	9.640	9.495	9.319	9.042	8.732
8	8.122	8.169	8.238	8.346	8.484	8.726	9.037
	7.882	7.839	7.776	7.685	7.574	7.396	7.195
6	6.064	6.088	6.125	6.180	6.251	6.373	6.527
	5.938	5.914	5.881	5.832	5.771	5.674	5.562
5	5.042	5.058	5.082	5.118	5.164	5.242	5.341
	4.959	4.943	4.921	4.888	4.848	4.783	4.707
4	4.025	4.034	4.048	4.069	4.096	4.141	4.197
	3.976	3.967	3.953	3.934	3.910	3.870	3.825
3,5	3.518	3.525	3.534	3.550	3.569	3.601	3.641
	3.482	3.476	3.466	3.452	3.435	3.406	3.373
3	3.012	3.017	3.023	3.033	3.046	3.068	3.094
	2.988	2.984	2.977	2.968	2.956	2.936	2.913
2,75	2.759	2.763	2.768	2.776	2.787	2.804	2.824
	2.741	2.737	2.732	2.724	2.715	2.699	2.681
2,5	2.507	2.510	2.514	2.520	2.528	2.541	2.557
	2.493	2.490	2.486	2.480	2.473	2.461	2.446
2,25	2.255	2.257	2.261	2.265	2.271	2.280	2.292
	2.245	2.243	2.240	2.235	2.230	2.221	2.210
2	2.004	2.005	2.007	2.011	2.015	2.021	2.030
	1.996	1.995	1.993	1.990	1.986	1.979	1.972

# F90

APERTURE	T 2.90	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	733.485	536.653	383.582	268.779	195.722	134.841	98.313
OBJECT DISTANCE IN FEET	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	65.227	67.387	70.886	76.884	86.001	107.274	152.857
	55.559	54.091	52.045	49.256	46.169	41.817	37.585
45	47.854	48.997	50.806	53.791	58.064	66.959	82.127
	42.473	41.616	40.404	38.715	36.797	33.998	31.167
30	31.222	31.697	32.433	33.604	35.197	38.228	42.655
	28.873	28.480	27.916	27.111	26.171	24.744	23.232
20	20.523	20.722	21.027	21.501	22.127	23.259	24.788
	19.504	19.328	19.073	18.703	18.260	17.570	16.811
15	15.285	15.393	15.556	15.808	16.136	16.715	17.471
	14.726	14.628	14.484	14.275	14.022	13.621	13.171
10	10.120	10.165	10.232	10.335	10.468	10.697	10.986
	9.883	9.841	9.779	9.688	9.576	9.396	9.189
8	8.074	8.101	8.142	8.205	8.285	8.423	8.594
	7.928	7.902	7.863	7.806	7.736	7.622	7.491
6	6.039	6.053	6.075	6.107	6.149	6.219	6.307
	5.962	5.948	5.927	5.897	5.859	5.798	5.726
5	5.025	5.035	5.049	5.070	5.098	5.143	5.200
	4.975	4.966	4.952	4.932	4.907	4.866	4.818
4	4.015	4.021	4.029	4.041	4.057	4.084	4.117
	3.985	3.980	3.972	3.960	3.945	3.920	3.892
3,5	3.511	3.515	3.521	3.530	3.541	3.560	3.583
	3.489	3.485	3.480	3.471	3.460	3.442	3.422
3	3.007	3.010	3.014	3.020	3.028	3.040	3.056
	2.993	2.990	2.986	2.980	2.973	2.961	2.947
2,75	2.756	2.758	2.761	2.766	2.772	2.782	2.794
	2.744	2.742	2.739	2.734	2.729	2.719	2.708
2,5	2.504	2.506	2.509	2.512	2.517	2.525	2.534
	2.496	2.494	2.492	2.488	2.483	2.476	2.467
2,25	2.253	2.255	2.256	2.259	2.263	2.268	2.275
	2.247	2.246	2.244	2.241	2.238	2.232	2.226
2	2.002	2.003	2.004	2.006	2.009	2.013	2.018
	1.998	1.997	1.996	1.994	1.991	1.987	1.983

APERTURE	T 2.90	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	836.654	654.290	467.626	327.629	238.540	164.299	119.754
OBJECT DISTANCE IN FEET	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	64.533	65.925	68.642	73.172	79.765	93.909	119.426
	56.071	55.066	53.315	50.893	48.162	44.220	40.279
45	47.482	48.225	49.652	51.961	55.174	61.535	71.463
	42.770	42.187	41.160	39.711	38.041	35.557	32.982
30	31.066	31.377	31.966	32.892	34.131	36.424	39.632
	29.007	28.742	28.269	27.588	26.784	25.547	24.210
20	20.457	20.588	20.834	21.214	21.711	22.594	23.759
	19.564	19.446	19.233	18.923	18.550	17.961	17.305
15	15.249	15.321	15.453	15.656	15.918	16.377	16.965
	14.759	14.693	14.574	14.400	14.188	13.849	13.465
10	10.105	10.135	10.190	10.273	10.380	10.564	10.794
	9.897	9.869	9.818	9.742	9.649	9.499	9.325
8	8.065	8.083	8.116	8.167	8.232	8.343	8.480
	7.937	7.919	7.887	7.840	7.782	7.687	7.577
6	6.034	6.044	6.061	6.088	6.121	6.179	6.249
	5.966	5.957	5.940	5.915	5.884	5.833	5.773
5	5.022	5.029	5.040	5.058	5.080	5.117	5.163
	4.978	4.972	4.961	4.944	4.923	4.889	4.850
4	4.013	4.017	4.024	4.034	4.047	4.068	4.095
	3.987	3.983	3.977	3.967	3.955	3.934	3.911
3,5	3.509	3.512	3.517	3.524	3.534	3.549	3.568
	3.491	3.488	3.483	3.476	3.467	3.453	3.435
3	3.006	3.008	3.011	3.016	3.023	3.033	3.046
	2.994	2.992	2.989	2.984	2.978	2.968	2.956
2,75	2.755	2.756	2.759	2.763	2.768	2.776	2.786
	2.745	2.744	2.741	2.737	2.732	2.724	2.715
2,5	2.504	2.505	2.507	2.510	2.514	2.520	2.528
	2.496	2.495	2.493	2.490	2.486	2.480	2.473
2,25	2.253	2.254	2.255	2.257	2.260	2.265	2.271
	2.247	2.246	2.245	2.243	2.240	2.235	2.230
2	2.002	2.003	2.004	2.005	2.007	2.010	2.014
	1.998	1.997	1.996	1.995	1.993	1.990	1.986