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OPTIMO 44 - 440 A2S |

DEPTH-OF-FIELD TABLES  
DISTANCE IN FEET

| Angénieux®

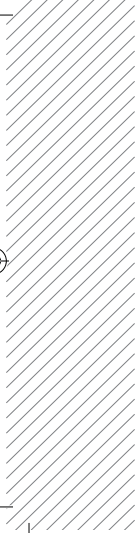
REFERENCE : 319472 - A



Distance in meters | Confusion circle : 0,025 mm

APERTURE	HYPERFOCAL   DISTANCE		14.5	15.6	18	T11	T16	T22	T32*
3 m	Far	Near	3.006	3.007	3.01	3.015	3.021	3.03	3.042
2.4 m	Far	Near	2.404	2.404	2.394	2.406	2.412	2.418	2.425
2 m	Far	Near	2.002	2.003	2.004	2.006	2.008	2.011	2.016
1.5 m	Far	Near	1.501	1.501	1.502	1.503	1.504	1.506	1.508
1.24 m	Far	Near	1.241	1.241	1.241	1.242	1.242	1.243	1.245
			1.239	1.239	1.239	1.238	1.238	1.237	1.235

F = 440 mm





## DEPTH-OF-FIELD TABLES

### ZOOM 35 mm → F = 44 - 440 mm

The depths of field tables are provided for information purposes only and are estimated with a circle of confusion of 0.025mm (1/1000inch).

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.

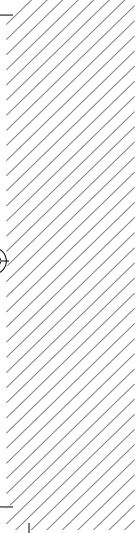
\* : data given for information only



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	T5.6	T8	T11	T16	T22	T32*
<b>HYPERFOCAL   DISTANCE</b>	1136.08	971.925	686.402	485.601	343.946	243.889	173.175
40 m	Far	41.44	38.663	37.834	35.899	34.45	32.602
15 m	Far	15.192	15.225	15.46	15.661	15.955	16.394
	Near	14.814	14.783	14.694	14.571	14.401	13.856
8 m	Far	8.052	8.061	8.087	8.123	8.252	8.363
	Near	7.949	7.94	7.916	7.881	7.767	7.676
5 m	Far	5.019	5.022	5.032	5.045	5.092	5.132
	Near	4.981	4.978	4.969	4.956	4.938	4.878
4 m	Far	4.012	4.014	4.02	4.028	4.04	4.081
	Near	3.988	3.986	3.981	3.973	3.962	3.925

**F = 440 mm**





## ***TABLES DE PROFONDEUR DE CHAMP*** **ZOOM 35 mm → F = 44 - 440 mm**

*Les tables de profondeur de champ sont fournies à titre indicatif pour un cercle de confusion moyen de 0.025mm (1/1000inch).*

*La profondeur de champ augmente proportionnellement avec la distance de mise au point ainsi qu'avec le diaphragme et est inversement proportionnelle à la focale.*

*Dans la pratique, seuls les essais filmés dans des conditions de tournage vous permettront de définir les bornes de cette profondeur de champ avec un maximum de précision.*

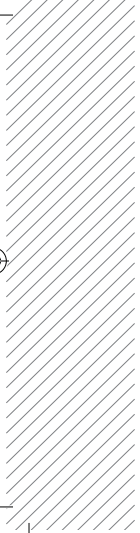
*\* : information donnée à titre indicatif*



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	15.6	18	T11	T16	T22	T32*
HYPFERFOCAL   DISTANCE	771,154	626,688	442,893	313,421	222,038	157,478	111,847
3 m	Far 3.009	Far 3.011	Far 3.016	Far 3.023	Far 3.032	Far 3.046	Far 3.066
2.4 m	Near 2.405	Near 2.407	Near 2.41	Near 2.414	Near 2.419	Near 2.427	Near 2.439
2 m	Near 2.004	Near 2.004	Near 2.006	Near 2.009	Near 2.012	Near 2.018	Near 2.025
1.5 m	Near 1.502	Near 1.502	Near 1.503	Near 1.504	Near 1.506	Near 1.509	Near 1.512
1.24 m	Near 1.241	Near 1.241	Near 1.242	Near 1.243	Near 1.244	Near 1.245	Near 1.247
	Near 1.239	Near 1.239	Near 1.238	Near 1.238	Near 1.236	Near 1.235	Near 1.233

F = 350 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		46.568	37.236	26.661	19.21	13.951	10.236	7.609
60 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	26.792	23.527	18.953	14.975	11.669	9.025	6.974
30 feet	Far	80.839	148.406	∞	∞	∞	∞	∞
	Near	18.801	17.19	14.697	12.265	10.024	8.066	6.433
20 feet	Far	33.461	40.842	75.034	∞	∞	∞	∞
	Near	14.478	13.539	11.998	10.382	8.782	7.288	5.968
17 feet	Far	25.542	29.524	43.546	142.687	∞	∞	∞
	Near	12.906	12.17	10.934	9.6	8.24	6.933	5.747
12 feet	Far	15.417	16.692	20.128	28.786	79.686	∞	∞
	Near	9.913	9.497	8.769	7.936	7.031	6.104	5.208

**F = 44 mm**



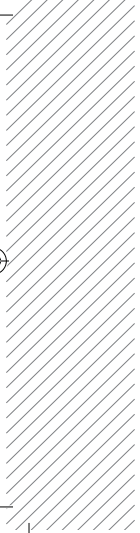
Distance in feet | Confusion circle : 0.025 mm



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	15.6	18	T11	T16	T22	T32*
<b>HYPERFOCAL   DISTANCE</b>	771,154	626,688	442,893	313,421	222,038	157,478	111,847
40 m	Far	42,158	38,061	37,64	43,928	45,806	48,765
	Near	38,061	37,64	36,74	35,544	33,986	32,012
15 m	Far	15,285	15,352	15,504	15,725	16,05	16,535
	Near	14,727	14,665	14,531	14,346	14,092	13,751
8 m	Far	8,077	8,095	8,135	8,193	8,277	8,398
	Near	7,925	7,908	7,87	7,818	7,745	7,645
5 m	Far	5,028	5,035	5,05	5,071	5,101	5,144
	Near	4,972	4,966	4,952	4,932	4,905	4,867
4 m	Far	4,017	4,021	4,03	4,043	4,062	4,088
	Near	3,983	3,979	3,97	3,958	3,941	3,917

**F = 350 mm**







APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		46.568	37.236	26.661	19.21	13.951	10.236	7.609
10 feet	Far	12.147	12.889	14.747	18.68	30.908	4386.2	∞
	Near	8.561	8.262	7.727	7.097	6.391	5.642	4.893
8 feet	Far	9.218	9.61	10.533	12.251	16.151	31.172	∞
	Near	7.106	6.911	6.555	6.123	5.62	5.064	4.484
6 feet	Far	6.58	6.754	7.144	7.8	9.025	11.826	22.857
	Near	5.535	5.429	5.229	4.979	4.674	4.32	3.929
5 feet	Far	5.356	5.46	5.686	6.052	6.686	7.936	11.17
	Near	4.701	4.631	4.499	4.328	4.116	3.861	3.571
4'1 feet	Far	4.285	4.342	4.465	4.655	4.967	5.522	6.668
	Near	3.907	3.865	3.784	3.677	3.541	3.373	3.175

Distance in feet | Confusion circle : 0.025 mm

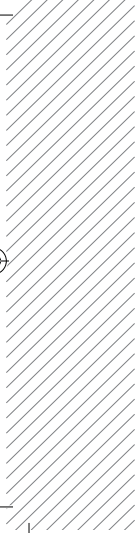
**F = 44 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	HYPERFOCAL   DISTANCE		14.5	15.6	18	T11	T16	T22	T32*
3 m	Far	Near	3.017	3.022	3.031	3.044	3.063	3.09	3.129
2.4 m	Far	Near	2.41	2.413	2.418	2.426	2.437	2.453	2.476
2 m	Far	Near	2.007	2.008	2.012	2.017	2.024	2.034	2.049
1.5 m	Far	Near	1.503	1.504	1.506	1.508	1.512	1.516	1.524
1.24 m	Far	Near	1.242	1.242	1.243	1.245	1.247	1.25	1.254
			1.238	1.238	1.237	1.235	1.233	1.231	1.227

**F = 250 mm**





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		83.037	66.184	47.095	33.65	24.16	17.456	12.718
60 feet	Far	211.81	641.951	∞	∞	∞	∞	∞
	Near	35.399	32.052	26.959	22.095	17.699	13.924	10.822
30 feet	Far	45.747	53.129	79.319	273.607	∞	∞	∞
	Near	22.49	21.141	18.879	16.441	13.959	11.576	9.414
20 feet	Far	25.649	27.721	33.209	46.45	110.436	∞	∞
	Near	16.478	15.77	14.523	13.088	11.52	9.901	8.327
17 feet	Far	20.811	22.123	25.398	32.278	53.223	1166.2	∞
	Near	14.434	13.899	12.941	11.811	10.543	9.196	7.846
12 feet	Far	13.658	14.176	15.368	17.483	21.848	34.504	257.371
	Near	10.734	10.452	9.932	9.29	8.53	7.673	6.757

Distance in feet | Confusion circle : 0.025 mm

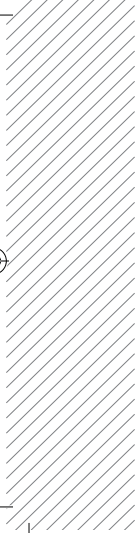
**F = 60 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	HYPERFOCAL   DISTANCE		14.5	15.6	18	T11	T16	T22	T32*
40 m	Far	Near	44.238	45.493	48.267	52.833	61.027	78.309	131.405
15 m	Far	Near	15.542	15.689	15.997	16.454	17.15	18.248	20.083
8 m	Far	Near	8.145	8.184	8.263	8.378	8.547	8.8	9.188
5 m	Far	Near	5.053	5.067	5.096	5.137	5.197	5.284	5.413
4 m	Far	Near	4.033	4.041	4.059	4.084	4.21	4.172	4.25
			3.968	3.96	3.943	3.921	3.889	3.845	3.785

F = 250 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		83.037	66.184	47.095	33.65	24.16	17.456	12.718
10 feet	Far	11.072	11.395	12.118	13.334	15.608	20.818	41.508
	Near	9.14	8.943	8.575	8.111	7.548	6.894	6.172
8 feet	Far	8.625	8.806	9.202	9.839	10.935	13.07	18.438
	Near	7.473	7.35	7.115	6.812	6.434	5.98	5.46
6 feet	Far	6.304	6.39	6.572	6.853	7.305	8.086	9.612
	Near	5.73	5.665	5.54	5.374	5.16	4.894	4.574
5 feet	Far	5.189	5.241	5.352	5.518	5.778	6.205	6.969
	Near	4.828	4.786	4.704	4.595	4.452	4.269	4.045
4'1 feet	Far	4.192	4.221	4.283	4.374	4.513	4.733	5.1
	Near	3.983	3.958	3.909	3.843	3.755	3.64	3.495

**F = 60 mm**



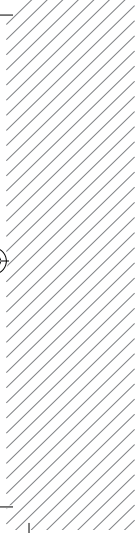
Distance in feet | Confusion circle : 0.025 mm



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	15.6	18	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE	267,14	212,201	149,996	106,194	75,283	53,448	38,015
3 m	Far	3.027	3.048	3.068	3.098	3.141	3.205
	Near	2.974	2.967	2.954	2.936	2.874	2.826
2.4 m	Far	2.416	2.42	2.428	2.441	2.458	2.52
	Near	2.384	2.38	2.372	2.361	2.346	2.295
2 m	Far	2.01	2.013	2.018	2.026	2.037	2.077
	Near	1.99	1.987	1.982	1.975	1.965	1.931
1.5 m	Far	1.505	1.506	1.509	1.513	1.518	1.537
	Near	1.495	1.494	1.491	1.488	1.483	1.466
1.24 m	Far	1.243	1.244	1.245	1.248	1.251	1.262
	Near	1.237	1.236	1.235	1.233	1.23	1.22

F = 200 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		225.907	179.6	127.182	90.274	64.229	45.83	32.827
60 feet	Far	80.935	89.079	111.958	176.497	1003.6	∞	∞
	Near	47.793	45.411	41.274	36.603	31.603	26.556	21.75
30 feet	Far	34.256	35.579	38.605	43.924	54.696	84.454	397.051
	Near	26.721	25.989	24.631	22.951	20.953	18.688	16.257
20 feet	Far	21.728	22.231	23.327	25.089	28.124	34.04	48.925
	Near	18.544	18.202	17.551	16.714	15.669	14.414	12.975
17 feet	Far	18.203	18.547	19.287	20.448	22.373	25.87	33.427
	Near	15.958	15.709	15.232	14.611	13.822	12.856	11.721
12 feet	Far	12.55	12.703	13.024	13.511	14.272	15.529	17.794
	Near	11.502	11.38	11.142	10.825	10.411	9.885	9.238

Distance in feet | Confusion circle : 0.025 mm

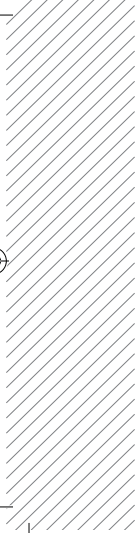
**F = 100 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	15.6	18	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE	267,14	212,201	149,996	106,194	75,283	53,448	38,015
40 m	Far	46,945	49,171	54,397	64,045	85,618	∞
	Near	34,871	33,75	31,697	29,197	26,282	23,052
15 m	Far	15,853	16,092	16,599	17,373	18,607	20,701
	Near	14,238	14,053	13,695	13,22	12,606	11,834
8 m	Far	8,226	8,287	8,414	8,6	8,879	9,31
	Near	7,787	7,734	7,628	7,485	7,292	7,038
5 m	Far	5,083	5,105	5,15	5,215	5,311	5,453
	Near	4,921	4,9	4,86	4,805	4,729	4,626
4 m	Far	4,051	4,064	4,092	4,131	4,189	4,273
	Near	3,951	3,938	3,913	3,879	3,831	3,766
							3,678

F = 200 mm







APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		225.907	179.6	127.182	90.274	64.229	45.83	32.827
10 feet	Far	10.362	10.462	10.669	10.979	11.455	12.213	13.506
	Near	9.666	9.583	9.421	9.203	8.914	8.541	8.073
8 feet	Far	8.215	8.273	8.394	8.572	8.839	9.254	9.926
	Near	7.798	7.748	7.648	7.513	7.332	7.093	6.787
6 feet	Far	6.107	6.135	6.194	6.279	6.406	6.596	6.89
	Near	5.898	5.872	5.821	5.751	5.656	5.528	5.36
5 feet	Far	5.067	5.085	5.121	5.174	5.251	5.365	5.54
	Near	4.936	4.919	4.887	4.842	4.78	4.697	4.586
4'1 feet	Far	4.122	4.132	4.153	4.183	4.226	4.29	4.386
	Near	4.046	4.036	4.017	3.991	3.954	3.904	3.837

Distance in feet | Confusion circle : 0.025 mm

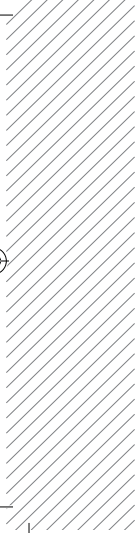
**F = 100 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	HYPERFOCAL   DISTANCE		152.425	121.093	85.63	60.661	43.042	30.596	21.8
T4.5	14.5	T5.6	152.425	121.093	85.63	60.661	43.042	30.596	21.8
3 m	Far	3.047	3.059	2.943	3.085	3.122	3.177	3.258	3.381
	Near	2.955	2.943	2.92	2.889	2.846	2.787	2.71	
2.4 m	Far	2.428	2.435	2.451	2.472	2.504	2.551	2.621	2.222
	Near	2.373	2.366	2.352	2.333	2.307	2.27	2.222	
2 m	Far	2.018	2.023	2.033	2.046	2.067	2.096	2.14	1.883
	Near	1.982	1.978	1.969	1.956	1.939	1.915	1.883	
1.5 m	Far	1.509	1.511	1.516	1.522	1.532	1.546	1.566	1.442
	Near	1.491	1.489	1.485	1.479	1.47	1.458	1.442	
1.24 m	Far	1.245	1.247	1.249	1.253	1.259	1.267	1.279	1.205
	Near	1.235	1.234	1.231	1.227	1.222	1.215	1.205	

F = 150 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		322.863	256.574	181.546	128.721	91.444	65.112	46.502
60 feet	Far	73.211	77.685	88.679	111	173.135	871.749	∞
	Near	50.904	48.985	45.53	41.429	36.786	31.808	26.771
30 feet	Far	32.847	33.683	35.517	38.495	43.721	54.266	83.117
	Near	27.628	27.075	26.026	24.684	23.02	21.039	18.791
20 feet	Far	21.175	21.505	22.208	23.289	25.025	28.015	33.829
	Near	18.958	18.706	18.219	17.577	16.749	15.715	14.472
17 feet	Far	17.822	18.05	18.532	19.262	20.407	22.305	25.751
	Near	16.257	16.076	15.722	15.251	14.637	13.857	12.901
12 feet	Far	12.379	12.482	12.696	13.013	13.494	14.246	15.489
	Near	11.647	11.559	11.386	11.152	10.839	10.43	9.91

Distance in feet | Confusion circle : 0.025 mm

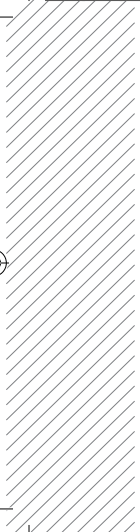
**F = 120 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	HYPERFOCAL   DISTANCE		14.5	15.6	18	T11	T16	T22	T32*
40 m	Far	Near	54.034	59.486	74.775	117.698	642.325	∞	∞
15 m	Far	Near	31.802	30.2	27.418	24.275	20.91	17.51	14.272
8 m	Far	Near	16.566	17.03	18.055	19.742	22.768	29.144	48.686
5 m	Far	Near	13.714	13.416	12.854	12.139	11.259	10.222	9.057
4 m	Far	Near	8.406	8.519	8.757	9.119	9.689	10.637	12.372
			7.634	7.545	7.371	7.14	6.839	6.457	5.991
5 m	Far	Near	5.147	5.187	5.269	5.391	5.574	5.857	6.318
4 m	Far	Near	4.862	4.828	4.76	4.668	4.544	4.382	4.173
			4.09	4.114	4.164	4.236	4.344	4.508	4.765
			3.915	3.893	3.851	3.792	3.713	3.608	3.471

F = 150 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		225.907	179.6	127.182	90.274	64.229	45.83	32.827
10 feet	Far	10.25	10.318	10.457	10.662	10.969	11.439	12.19
	Near	9.764	9.705	9.587	9.428	9.212	8.928	8.559
8 feet	Far	8.149	8.189	8.271	8.39	8.566	8.83	9.241
	Near	7.858	7.822	7.75	7.652	7.519	7.34	7.105
6 feet	Far	6.074	6.094	6.134	6.192	6.276	6.401	6.59
	Near	5.928	5.91	5.874	5.823	5.754	5.66	5.534
5 feet	Far	5.046	5.059	5.084	5.12	5.172	5.248	5.362
	Near	4.955	4.943	4.92	4.888	4.844	4.783	4.701
4'1 feet	Far	4.11	4.117	4.132	4.152	4.182	4.225	4.288
	Near	4.057	4.05	4.037	4.018	3.992	3.956	3.907

Distance in feet | Confusion circle : 0.025 mm

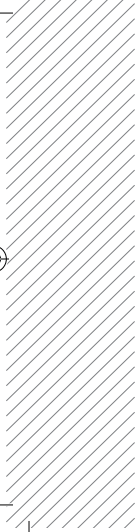
**F = 120 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	HYPERFOCAL   DISTANCE		14.5	15.6	18	T11	T16	T22	T32*
3 m	Far	Near	3.074	3.093	3.134	3.194	3.284	3.422	3.641
2.4 m	Far	Near	2.444	2.455	2.479	2.514	2.566	2.643	2.763
2 m	Far	Near	2.028	2.036	2.051	2.073	2.106	2.154	2.227
1.5 m	Far	Near	1.514	1.517	1.524	1.535	1.55	1.573	1.606
1.24 m	Far	Near	1.248	1.25	1.255	1.261	1.27	1.283	1.302
			1.232	1.23	1.226	1.22	1.212	1.202	1.187

F = 120 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		500.082	397.287	280.937	199.02	141.215	100.382	71.522
60 feet	Far	67.891	70.306	75.769	85.156	103.38	148.846	402.686
	Near	53.794	52.392	49.777	46.515	42.595	38.099	33.207
30 feet	Far	31.774	32.273	33.332	34.961	37.573	42.057	50.734
	Near	28.425	28.043	27.306	26.332	25.077	23.507	21.618
20 feet	Far	20.741	20.944	21.367	21.997	22.961	24.493	27.081
	Near	19.315	19.145	18.812	18.363	17.767	16.995	16.023
17 feet	Far	17.521	17.662	17.955	18.388	19.042	20.059	21.722
	Near	16.513	16.391	16.152	15.827	15.392	14.821	14.091
12 feet	Far	12.241	12.306	12.439	12.633	12.919	13.35	14.021
	Near	11.77	11.712	11.596	11.437	11.222	10.933	10.554

Distance in feet | Confusion circle : 0.025 mm

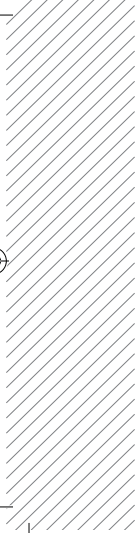
**F = 150 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE	98.409	78.204	55.335	39.234	27.872	19.846	14.174
40 m	Far	67.028	81.42	144.247	∞	∞	∞
	Near	28.586	26.623	23.39	19.984	13.422	10.602
15 m	Far	17.579	18.407	20.352	23.945	32.003	61.749
	Near	13.097	12.681	11.92	10.993	9.913	8.717
8 m	Far	8.648	8.836	9.241	9.887	10.98	13.044
	Near	7.447	7.316	7.067	6.744	6.338	5.846
5 m	Far	5.232	5.296	5.431	5.635	5.954	6.479
	Near	4.79	4.738	4.638	4.504	4.329	4.106
4 m	Far	4.141	4.18	4.26	4.38	4.563	4.852
	Near	3.869	3.837	3.773	3.688	3.574	3.426

F = 120 mm







APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		500.082	397.287	280.937	199.02	141.215	100.382	71.522
10 feet	Far	10.16	10.202	10.29	10.416	10.601	10.877	11.299
	Near	9.846	9.807	9.73	9.622	9.476	9.278	9.014
8 feet	Far	8.095	8.12	8.172	8.246	8.355	8.514	8.752
	Near	7.908	7.884	7.837	7.772	7.682	7.559	7.395
6 feet	Far	6.047	6.06	6.085	6.122	6.175	6.252	6.365
	Near	5.954	5.942	5.918	5.885	5.839	5.775	5.689
5 feet	Far	5.03	5.038	5.054	5.076	5.109	5.157	5.226
	Near	4.971	4.963	4.948	4.927	4.898	4.857	4.802
4'1 feet	Far	4.101	4.105	4.114	4.127	4.146	4.173	4.212
	Near	4.066	4.062	4.053	4.041	4.024	4	3.967

**F = 150 mm**

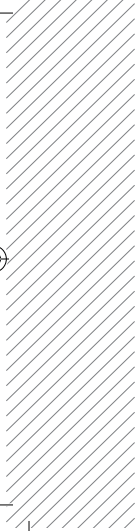
Distance in feet | Confusion circle : 0.025 mm



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	15.6	18	T11	T16	T22	T32*
<b>HYPERFOCAL   DISTANCE</b>	68.857	54.742	38.765	27.516	19.577	13.969	10.006
3 m	Far 3.107	Far 3.136	Far 2.83	Far 3.197	Far 3.287	Far 3.648	Far 4.024
	Near 2.902	Near 2.877	Near 2.83	Near 2.765	Near 2.68	Near 2.57	Near 2.431
2.4 m	Far 2.463	Far 2.48	Far 2.516	Far 2.568	Far 2.646	Far 2.767	Far 2.963
	Near 2.341	Near 2.326	Near 2.297	Near 2.257	Near 2.203	Near 2.133	Near 2.043
2 m	Far 2.041	Far 2.051	Far 2.074	Far 2.107	Far 2.155	Far 2.229	Far 2.346
	Near 1.961	Near 1.952	Near 1.932	Near 1.906	Near 1.87	Near 1.823	Near 1.76
1.5 m	Far 1.52	Far 1.525	Far 1.535	Far 1.551	Far 1.573	Far 1.607	Far 1.657
	Near 1.481	Near 1.476	Near 1.467	Near 1.454	Near 1.436	Near 1.411	Near 1.379
1.24 m	Far 1.252	Far 1.255	Far 1.261	Far 1.27	Far 1.283	Far 1.302	Far 1.331
	Near 1.2291	Near 1.226	Near 1.22	Near 1.212	Near 1.201	Near 1.186	Near 1.166

**F = 100 mm**





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		876.445	696.198	492.113	348.406	246.993	175.353	124.72
60 feet	Far	64.254	65.464	68.061	72.117	78.785	90.733	115.833
	Near	56.294	55.408	53.704	51.476	48.638	45.145	41.021
30 feet	Far	30.985	31.253	31.81	32.634	33.88	35.829	39.038
	Near	29.08	28.851	28.4	27.789	26.973	25.905	24.544
20 feet	Far	20.416	20.527	20.756	21.089	21.582	22.324	23.478
	Near	19.603	19.503	19.304	19.031	18.66	18.162	17.509
17 feet	Far	17.293	17.371	17.531	17.763	18.103	18.611	19.388
	Near	16.719	16.647	16.505	16.309	16.042	15.68	15.201
12 feet	Far	12.136	12.172	12.246	12.352	12.505	12.731	13.067
	Near	11.868	11.834	11.766	11.672	11.543	11.366	11.126

**F = 200 mm**



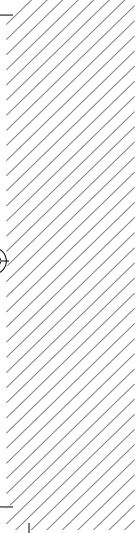
Distance in feet | Confusion circle : 0.025 mm



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	15.6	18	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE	68.857	54.742	38.765	27.516	19.577	13.969	10.006
40 m	Far	94.79	147.863	∞	∞	∞	∞
	Near	25.467	23.285	19.864	16.473	10.489	8.116
15 m	Far	18.995	20.42	24.09	32.374	63.677	∞
	Near	12.421	11.893	10.958	9.87	8.667	7.411
8 m	Far	8.963	9.255	9.91	11.021	13.124	18.08
	Near	7.232	7.058	6.731	6.321	5.825	5.251
5 m	Far	5.339	5.435	5.642	5.966	6.498	7.452
	Near	4.705	4.635	4.499	4.322	4.096	3.818
4 m	Far	4.205	4.263	4.384	4.569	4.862	5.356
	Near	3.816	3.771	3.684	3.569	3.419	3.23

F = 100 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		876.445	696.198	492.113	348.406	246.993	175.353	124.72
10 feet	Far	10.09	10.114	10.163	10.233	10.333	10.48	10.697
	Near	9.912	9.889	9.844	9.781	9.693	9.574	9.41
8 feet	Far	8.054	8.068	8.097	8.138	8.198	8.284	8.41
	Near	7.947	7.933	7.906	7.868	7.815	7.742	7.642
6 feet	Far	6.027	6.034	6.048	6.069	6.098	6.14	6.202
	Near	5.973	5.967	5.953	5.934	5.907	5.869	5.818
5 feet	Far	5.017	5.021	5.03	5.043	5.061	5.088	5.126
	Near	4.983	4.979	4.97	4.958	4.941	4.917	4.885
4'1 feet	Far	4.093	4.096	4.101	4.108	4.119	4.134	4.156
	Near	4.074	4.071	4.066	4.059	4.049	4.035	4.016

**F = 200 mm**

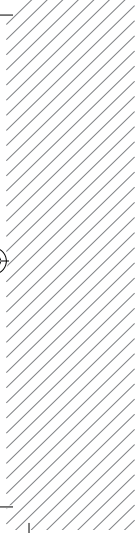
Distance in feet | Confusion circle : 0.025 mm



Distance in meters | Confusion circle : 0,025 mm

APERTURE	HYPERFOCAL   DISTANCE							
T4.5	25.31	20.173	14.355	10.256	7.364	5.321	3.876	
T8	3.315	3.409	3.62	3.974	4.63	6.113	11.711	
3 m	Far	Near	2.747	2.689	2.58	2.442	1.866	
2.4 m	Far	Near	2.583	2.636	2.752	2.937	5.382	
2 m	Far	Near	2.245	2.209	2.139	2.05	1.649	
1.5 m	Far	Near	2.116	2.15	2.22	2.31	3.502	
1.24 m	Far	Near	1.898	1.874	1.827	1.766	1.476	
	Far	Near	1.555	1.571	1.603	1.651	2.07	
	Far	Near	1.273	1.282	1.3	1.328	1.219	
	Far	Near	1.21	1.202	1.187	1.167	1.062	

F = 60 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		1352.48	1074.40	759.376	537.492	380.896	270.269	192.08
60 feet	Far	62.687	63.427	64.981	67.317	70.938	76.817	87.118
	Near	57.545	56.942	55.763	54.184	52.107	49.445	46.14
30 feet	Far	30.631	30.799	31.147	31.653	32.4	33.526	35.274
	Near	29.398	29.246	28.944	28.529	27.965	27.209	26.216
20 feet	Far	20.267	20.338	20.483	20.691	20.995	21.443	22.116
	Near	19.741	19.675	19.543	19.361	19.11	18.768	18.309
17 feet	Far	17.188	17.238	17.34	17.486	17.698	18.008	18.469
	Near	16.817	16.77	16.676	16.546	16.366	16.12	15.787
12 feet	Far	12.088	12.111	12.158	12.225	12.322	12.462	12.668
	Near	11.914	11.892	11.847	11.785	11.699	11.581	11.418

Distance in feet | Confusion circle : 0.025 mm

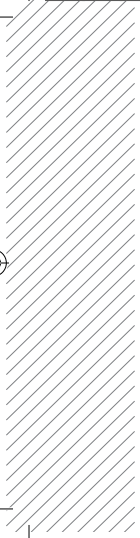
**F = 250 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	15.6	18	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE	25.31	20.173	14.355	10.256	7.364	5.321	3.876
40 m	∞	∞	∞	∞	∞	∞	∞
Far	15.67	13.568	10.701	8.278	6.311	4.768	3.589
Near	35.949	57.045	∞	∞	∞	∞	∞
15 m	9.584	8.777	7.513	6.263	5.096	4.064	3.194
Far	11.39	12.83	17.303	34.757	∞	∞	∞
Near	6.207	5.872	5.3	4.669	4.012	3.366	2.766
8 m	6.066	6.429	7.324	9.162	14.415	91.972	∞
Far	4.271	4.118	3.843	3.517	3.149	2.755	2.358
Near	4.626	4.825	5.292	6.148	8.037	14.647	∞
4 m	3.535	3.434	3.247	3.019	2.753	2.457	2.146

F = 60 mm







APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		1352.48	1074.40	759.376	537.492	380.896	270.269	192.08
10 feet	Far	10.058	10.074	10.105	10.149	10.213	10.305	10.439
	Near	9.943	9.928	9.898	9.857	9.799	9.719	9.609
8 feet	Far	8.035	8.044	8.063	8.089	8.127	8.181	8.26
	Near	7.966	7.957	7.939	7.914	7.879	7.831	7.764
6 feet	Far	6.017	6.022	6.031	6.044	6.063	6.09	6.129
	Near	5.983	5.978	5.969	5.957	5.939	5.915	5.881
5 feet	Far	5.011	5.014	5.02	5.028	5.04	5.056	5.081
	Near	4.989	4.986	4.981	4.973	4.962	4.946	4.924
4'1 feet	Far	4.09	4.091	4.095	4.099	4.106	4.116	4.13
	Near	4.077	4.075	4.072	4.068	4.061	4.052	4.039

**F = 250 mm**

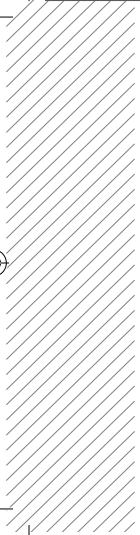
Distance in feet | Confusion circle : 0.025 mm



Distance in meters | Confusion circle : 0,025 mm

APERTURE	HYPERFOCAL   DISTANCE		14.5	15.6	18	T11	T16	T22	T32*
3 m	Far	Near	3.629	3.845	4.383	5.508	8.899	133.991	∞
2.4 m	Far	Near	2.757	2.871	3.139	3.634	4.742	8.805	∞
2 m	Far	Near	2.223	2.292	2.447	2.714	3.239	4.571	12.743
1.5 m	Far	Near	1.604	1.634	1.7	1.806	1.989	2.345	3.247
1.24 m	Far	Near	1.301	1.318	1.355	1.412	1.506	1.673	2.016
			1.187	1.174	1.15	1.117	1.076	1.026	0.965

**F = 44 mm**





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		2530.03	2056.06	1453.06	1028.28	728.472	516.661	366.952
60 feet	Far	61.407	61.742	62.501	63.608	65.249	67.732	71.616
	Near	58.662	58.362	57.709	56.812	55.597	53.973	51.848
30 feet	Far	30.334	30.412	30.588	30.84	31.206	31.741	32.535
	Near	29.675	29.601	29.438	29.213	28.9	28.473	27.893
20 feet	Far	20.142	20.175	20.249	20.355	20.507	20.727	21.05
	Near	19.861	19.829	19.759	19.661	19.525	19.336	19.078
17 feet	Far	17.1	17.124	17.176	17.25	17.357	17.511	17.735
	Near	16.901	16.879	16.829	16.76	16.663	16.528	16.343
12 feet	Far	12.047	12.058	12.082	12.117	12.166	12.237	12.339
	Near	11.954	11.943	11.92	11.887	11.841	11.777	11.688

Distance in feet | Confusion circle : 0.025 mm

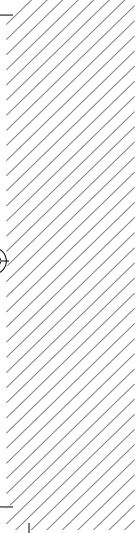
**F = 350 mm**



Distance in meters | Confusion circle : 0,025 mm

APERTURE	14.5	15.6	18	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE	14,194	11,349	8,126	5,855	4,252	3,12	2,319
40 m	∞	∞	∞	∞	∞	∞	∞
Far	10,613	8,963	6,853	5,185	3,904	2,94	2,227
Near	∞	∞	∞	∞	∞	∞	∞
15 m	7,47	6,635	5,432	4,354	3,433	2,681	2,087
Far	17,536	25,795	967,26	∞	∞	∞	∞
Near	5,28	4,865	4,209	3,554	2,937	2,386	1,918
8 m	∞	∞	∞	∞	∞	∞	∞
Far	7,363	8,433	12,049	32,323	∞	∞	∞
Near	3,833	3,621	3,262	2,874	2,475	2,089	1,918
5 m	∞	∞	∞	∞	∞	∞	∞
Far	5,121	5,16	5,229	5,33	5,48	∞	∞
Near	4,884	4,85	4,791	4,71	4,6	2,386	1,736
4 m							

F = 44 mm





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		2530.03	2056.06	1453.06	1028.28	728.472	516.661	366.952
10 feet	Far	10.031	10.038	10.054	10.077	10.11	10.157	10.224
	Near	9.969	9.962	9.947	9.925	9.894	9.851	9.792
8 feet	Far	8.019	8.023	8.033	8.046	8.066	8.093	8.133
	Near	7.982	7.977	7.968	7.955	7.936	7.911	7.875
6 feet	Far	6.009	6.011	6.016	6.023	6.033	6.047	6.066
	Near	5.991	5.989	5.984	5.977	5.968	5.955	5.937
5 feet	Far	5.006	5.007	5.01	5.015	5.021	5.029	5.042
	Near	4.994	4.993	4.99	4.986	4.98	4.972	4.96
4'1 feet	Far	4.087	4.088	4.089	4.092	4.095	4.1	4.107
	Near	4.08	4.079	4.077	4.075	4.072	4.067	4.06

Distance in feet | Confusion circle : 0.025 mm

**F = 350 mm**





## **TABLES DE PROFONDEUR DE CHAMP** **ZOOM 35 mm → F = 44 - 440 mm**

Les tables de profondeur de champ sont fournies à titre indicatif pour un cercle de confusion moyen de 0,025mm (1/1000inch).

La profondeur de champ augmente proportionnellement avec la distance de mise au point ainsi qu'avec le diaphragme et est inversement proportionnelle à la focale.

Dans la pratique, seuls les essais filmés dans des conditions de tournage vous permettront de définir les bornes de cette profondeur de champ avec un maximum de précision.

*\* : information donnée à titre indicatif*





APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		3727.31	3188.73	2251.97	1593.17	1128.43	800.162	568.16
60 feet	Far	60.948	61.111	61.589	62.279	63.283	64.768	67.008
	Near	59.085	58.934	58.501	57.903	57.082	55.965	54.469
30 feet	Far	30.226	30.264	30.377	30.537	30.767	31.1	31.587
	Near	29.779	29.742	29.635	29.487	29.281	28.996	28.605
20 feet	Far	20.096	20.112	20.16	20.228	20.324	20.463	20.664
	Near	19.905	19.889	19.844	19.78	19.69	19.566	19.394
17 feet	Far	17.068	17.079	17.113	17.161	17.229	17.326	17.467
	Near	16.933	16.922	16.889	16.844	16.781	16.692	16.57
12 feet	Far	12.032	12.037	12.053	12.075	12.107	12.152	12.217
	Near	11.969	11.963	11.948	11.927	11.897	11.855	11.797

Distance in feet | Confusion circle : 0.025 mm

**F = 440 mm**





## DEPTH-OF-FIELD TABLES ZOOM 35 mm → F = 44 - 440 mm

The depths of field tables are provided for information purposes only and are estimated with a circle of confusion of 0.025mm (1/1000inch). 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.

\* : data given for information only.







APERTURE		T4.5	T5.6	T8	T11	T16	T22	T32*
HYPERFOCAL   DISTANCE		3727.31	3188.73	2251.97	1593.17	1128.43	800.162	568.16
10 feet	Far	10.021	10.025	10.035	10.05	10.071	10.101	10.144
	Near	9.979	9.976	9.965	9.951	9.931	9.903	9.864
8 feet	Far	8.013	8.015	8.021	8.03	8.042	8.06	8.086
	Near	7.987	7.985	7.979	7.971	7.959	7.942	7.919
6 feet	Far	6.006	6.007	6.01	6.015	6.021	6.03	6.043
	Near	5.994	5.993	5.99	5.985	5.979	5.971	5.959
5 feet	Far	5.004	5.005	5.007	5.009	5.013	5.019	5.027
	Near	4.996	4.995	4.993	4.991	4.987	4.982	4.974
4'1 feet	Far	4.086	4.086	4.087	4.089	4.091	4.094	4.099
	Near	4.081	4.081	4.08	4.078	4.076	4.073	4.068

**F = 440 mm**



Distance in feet | Confusion circle : 0.025 mm





# OPTIMO 44 - 440 A2S

DEPTH-OF-FIELD TABLES  
DISTANCE IN METERS

Angenieux®

REFERENCE : 319472 - A

