



OPTIMO 28 - 76

| DEPTH-OF-FIELD TABLES
DISTANCE IN FEET

| Angenieux®





DEPTH-OF-FIELD TABLES

ZOOM 35 mm → F = 28 - 76 mm

The depth of field tables are provided for informational 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.





TABLES DE PROFONDEUR DE CHAMP

ZOOM 35 mm → F = 28 - 76 mm

Les tables de profondeur de champs 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 des essais filmés dans des conditions de tournage vous permettront de définir les bornes de cette profondeur de champ avec un maximum de précision.



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		39.528	27.48	19.947	14.299	10.681	7.457	5.498
60 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	24.332	19.299	15.361	11.868	9.329	6.83	5.187
30 feet	Far	115.683	∞	∞	∞	∞	∞	∞
	Near	17.45	14.744	12.366	10.033	8.184	6.222	4.847
20 feet	Far	38.783	68.031	1840.029	∞	∞	∞	∞
	Near	13.602	11.927	10.348	8.688	7.288	5.713	4.549
12 feet	Far	16.652	20.243	27.934	65.031	∞	∞	∞
	Near	9.438	8.629	7.8	6.85	5.978	4.908	4.049
10 feet	Far	12.957	14.984	18.722	29.935	122.92	∞	∞
	Near	8.185	7.58	6.944	6.194	5.485	4.585	3.838
8 feet	Far	9.722	10.783	12.529	16.55	27.825	∞	∞
	Near	6.825	6.411	5.963	5.416	4.88	4.171	3.559

Distance in feet | Confusion circle : 0.025 mm

F = 28 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		39.528	27.48	19.947	14.299	10.681	7.457	5.498
6 feet	Far	6.866	7.351	8.079	9.489	12.168	25.531	∞
	Near	5.344	5.099	4.825	4.477	4.121	3.625	3.173
5 feet	Far	5.56	5.86	6.293	7.077	8.397	12.826	42.751
	Near	4.553	4.381	4.185	3.931	3.664	3.281	2.918
4 feet	Far	4.327	4.494	4.727	5.126	5.737	7.356	11.749
	Near	3.726	3.617	3.49	3.322	3.14	2.87	2.604
3 feet	Far	3.159	3.238	3.344	3.516	3.76	4.311	5.346
	Near	2.859	2.801	2.733	2.639	2.535	2.373	2.205
2 feet	Far	2.054	2.079	2.112	2.164	2.232	2.37	2.58
	Near	1.95	1.929	1.903	1.867	1.825	1.758	1.683

Distance in feet | Confusion circle : 0.025 mm

F = 28 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		52.277	36.285	26.285	18.786	13.983	9.703	7.101
60 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	28.217	22.876	18.516	14.51	11.511	8.485	6.453
30 feet	Far	68.992	169.06	∞	∞	∞	∞	∞
	Near	19.322	16.702	14.29	11.819	9.781	7.538	5.913
20 feet	Far	31.724	43.274	80.628	∞	∞	∞	∞
	Near	14.69	13.151	11.634	9.969	8.502	6.78	5.456
12 feet	Far	15.251	17.397	21.19	31.426	79.801	∞	∞
	Near	9.929	9.227	8.48	7.59	6.738	5.644	4.724
10 feet	Far	12.109	13.394	15.485	20.196	32.661	∞	∞
	Near	8.544	8.028	7.467	6.781	6.104	5.207	4.426
8 feet	Far	9.25	9.958	11.033	13.151	17.324	41.518	∞
	Near	7.065	6.719	6.333	5.845	5.349	4.664	4.043

Distance in feet | Confusion circle : 0.025 mm

F = 32 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		52.277	36.285	26.285	18.786	13.983	9.703	7.101
6 feet	Far	6.639	6.977	7.46	8.32	9.725	14.093	34.18
	Near	5.483	5.282	5.052	4.751	4.433	3.973	3.533
5 feet	Far	5.416	5.63	5.926	6.432	7.202	9.229	14.599
	Near	4.65	4.51	4.348	4.132	3.898	3.551	3.208
4 feet	Far	4.245	4.366	4.53	4.8	5.187	6.087	7.867
	Near	3.786	3.699	3.596	3.455	3.3	3.062	2.817
3 feet	Far	3.12	3.178	3.255	3.376	3.541	3.89	4.461
	Near	2.891	2.845	2.79	2.713	2.627	2.489	2.34
2 feet	Far	2.041	2.06	2.084	2.122	2.171	2.267	2.404
	Near	1.962	1.945	1.925	1.896	1.862	1.807	1.743

Distance in feet | Confusion circle : 0.025 mm

F = 32 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		81.329	56.356	40.733	29.017	21.511	14.824	10.759
60 feet	Far	225.987	∞	∞	∞	∞	∞	∞
	Near	34.803	29.342	24.533	19.805	16.052	12.064	9.266
30 feet	Far	46.897	62.934	111.078	∞	∞	∞	∞
	Near	22.137	19.833	17.551	15.032	12.802	10.17	8.136
20 feet	Far	26.164	30.404	38.261	62.109	277.714	∞	∞
	Near	16.23	14.978	13.662	12.112	10.646	8.789	7.251
12 feet	Far	13.888	14.952	16.559	19.706	25.816	59.063	∞
	Near	10.582	10.055	9.466	8.721	7.961	6.91	5.954
10 feet	Far	11.249	11.923	12.901	14.693	17.765	28.63	134.737
	Near	9.013	8.635	8.205	7.65	7.07	6.243	5.465
8 feet	Far	8.754	9.144	9.691	10.636	12.106	16.155	28.371
	Near	7.373	7.126	6.839	6.459	6.052	5.452	4.864

Distance in feet | Confusion circle : 0.025 mm

F = 40 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		81.329	56.356	40.733	29.017	21.511	14.824	10.759
6 feet	Far	6.392	6.587	6.852	7.286	7.91	9.365	12.266
	Near	5.657	5.518	5.352	5.128	4.88	4.5	4.11
5 feet	Far	5.258	5.383	5.551	5.82	6.194	7.011	8.441
	Near	4.769	4.673	4.559	4.402	4.225	3.948	3.656
4 feet	Far	4.153	4.225	4.321	4.472	4.675	5.094	5.756
	Near	3.86	3.801	3.73	3.63	3.516	3.334	3.135
3 feet	Far	3.076	3.111	3.157	3.228	3.32	3.502	3.767
	Near	2.929	2.898	2.861	2.808	2.747	2.645	2.531
2 feet	Far	2.026	2.038	2.053	2.076	2.105	2.16	2.234
	Near	1.975	1.964	1.951	1.932	1.909	1.87	1.824

Distance in feet | Confusion circle : 0.025 mm

F = 40 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		150.991	104.503	75.393	53.561	39.577	27.117	19.543
60 feet	Far	97.918	136.816	274.787	∞	∞	∞	∞
	Near	43.343	38.579	33.904	28.797	24.325	19.103	15.109
30 feet	Far	37.035	41.403	48.656	65.67	115.79	∞	∞
	Near	25.241	23.577	21.777	19.587	17.447	14.631	12.205
20 feet	Far	22.837	24.393	26.692	31.016	38.794	70.665	∞
	Near	17.805	16.976	16.039	14.84	13.6	11.855	10.237
12 feet	Far	12.926	13.391	14.029	15.092	16.654	20.461	28.831
	Near	11.203	10.881	10.503	9.995	9.437	8.592	7.739
10 feet	Far	10.622	10.928	11.34	12.01	12.958	15.1	19.113
	Near	9.451	9.225	8.957	8.592	8.184	7.553	6.897
8 feet	Far	8.381	8.564	8.808	9.194	9.722	10.842	12.697
	Near	7.655	7.51	7.337	7.097	6.824	6.392	5.929

Distance in feet | Confusion circle : 0.025 mm

F = 55 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		150.991	104.503	75.393	53.561	39.577	27.117	19.543
6 feet	Far	6.201	6.295	6.419	6.612	6.866	7.377	8.145
	Near	5.813	5.734	5.637	5.501	5.344	5.088	4.804
5 feet	Far	5.133	5.195	5.275	5.399	5.56	5.876	6.331
	Near	4.875	4.821	4.755	4.662	4.553	4.373	4.17
4 feet	Far	4.079	4.116	4.163	4.234	4.327	4.503	4.748
	Near	3.924	3.892	3.851	3.794	3.726	3.612	3.48
3 feet	Far	3.039	3.057	3.081	3.115	3.16	3.242	3.353
	Near	2.962	2.945	2.924	2.895	2.859	2.799	2.727
2 feet	Far	2.014	2.02	2.027	2.039	2.054	2.08	2.115
	Near	1.987	1.981	1.974	1.963	1.95	1.928	1.901

Distance in feet | Confusion circle : 0.025 mm

F = 55 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		201.732	139.653	100.705	71.489	52.775	36.103	25.968
60 feet	Far	83.003	100.23	135.884	286.389	∞	∞	∞
	Near	47.038	42.915	38.656	33.747	29.211	23.609	19.085
30 feet	Far	34.72	37.355	41.319	49.001	63.612	136.732	∞
	Near	26.427	25.098	23.606	21.713	19.774	17.082	14.62
20 feet	Far	21.952	22.956	24.365	26.794	30.558	40.85	71.169
	Near	18.375	17.735	16.99	16.005	14.945	13.381	11.848
12 feet	Far	12.649	12.963	13.383	14.056	14.987	17.007	20.502
	Near	11.418	11.176	10.887	10.489	10.04	9.335	8.589
10 feet	Far	10.437	10.646	10.922	11.357	11.945	13.166	15.122
	Near	9.6	9.432	9.229	8.947	8.625	8.109	7.55
8 feet	Far	8.269	8.395	8.561	8.818	9.157	9.836	10.852
	Near	7.749	7.643	7.513	7.33	7.119	6.773	6.39

Distance in feet | Confusion circle : 0.025 mm

F = 65 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		201.732	139.653	100.705	71.489	52.775	36.103	25.968
6 feet	Far	6.142	6.208	6.294	6.424	6.593	6.92	7.381
	Near	5.865	5.807	5.735	5.633	5.514	5.314	5.087
5 feet	Far	5.094	5.138	5.194	5.279	5.387	5.594	5.879
	Near	4.91	4.87	4.822	4.753	4.671	4.533	4.372
4 feet	Far	4.056	4.082	4.115	4.165	4.228	4.346	4.504
	Near	3.946	3.922	3.892	3.85	3.799	3.713	3.611
3 feet	Far	3.028	3.041	3.057	3.082	3.112	3.169	3.243
	Near	2.973	2.96	2.945	2.924	2.897	2.852	2.798
2 feet	Far	2.01	2.014	2.02	2.028	2.038	2.057	2.08
	Near	1.99	1.986	1.981	1.973	1.964	1.948	1.928

Distance in feet | Confusion circle : 0.025 mm

F = 65 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		256.066	181.884	131.108	93.019	68.625	46.895	33.686
60 feet	Far	76.286	85.855	103.248	147.306	311.194	∞	∞
	Near	49.484	46.182	42.399	37.85	33.456	27.758	22.921
30 feet	Far	33.509	35.2	37.759	42.297	49.665	72.173	168.59
	Near	27.168	26.16	24.924	23.308	21.594	19.11	16.725
20 feet	Far	21.47	22.139	23.105	24.695	26.988	32.367	43.244
	Near	18.723	18.248	17.649	16.838	15.942	14.57	13.166
12 feet	Far	12.494	12.708	13.008	13.478	14.107	15.393	17.393
	Near	11.546	11.37	11.144	10.827	10.463	9.876	9.234
10 feet	Far	10.334	10.477	10.676	10.984	11.39	12.196	13.391
	Near	9.689	9.567	9.409	9.187	8.928	8.505	8.033
8 feet	Far	8.206	8.293	8.414	8.598	8.837	9.299	9.957
	Near	7.805	7.729	7.628	7.486	7.318	7.04	6.722

Distance in feet | Confusion circle : 0.025 mm

F = 76 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL DISTANCE		256.066	181.884	131.108	93.019	68.625	46.895	33.686
6 feet	Far	6.109	6.155	6.218	6.313	6.434	6.663	6.9763
	Near	5.895	5.854	5.799	5.72	5.626	5.468	5.284
5 feet	Far	5.072	5.103	5.144	5.206	5.285	5.432	5.629
	Near	4.93	4.902	4.865	4.812	4.748	4.64	4.512
4 feet	Far	4.043	4.061	4.086	4.122	4.168	4.253	4.366
	Near	3.958	3.941	3.919	3.886	3.847	3.78	3.7
3 feet	Far	3.022	3.031	3.043	3.061	3.083	3.124	3.178
	Near	2.979	2.97	2.959	2.942	2.922	2.887	2.845
2 feet	Far	2.007	2.011	2.015	2.021	2.028	2.042	2.06
	Near	1.993	1.99	1.986	1.98	1.973	1.96	1.945

Distance in feet | Confusion circle : 0.025 mm

F = 76 mm