



OPTIMO 30 - 72 A-2S



DEPTH-OF-FIELD TABLES  
DISTANCES IN FEET



Angénieux®

REFERENCE : 0317408 - A





## **DEPTH-OF-FIELD TABLES**

**F = 30 - 72 mm**

The depth of field tables are provided for informational purposes only and are estimated with a circle of confusion of 0.025 mm (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**

**F = 30 - 72 mm**

*Les tables de profondeur de champs sont fournies à titre indicatif pour un cercle de confusion moyen de 0,025 mm (1/1000 inch). 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 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		25.918	19.407	14.046	10.19	7.456	5.514
80 feet	Far	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
	Near	19.862	15.861	12.142	9.191	6.937	5.247
30 feet	Far	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
	Near	14.292	12.155	9.903	7.897	6.214	4.854
15 feet	Far	33.664	61.762	$\infty$	$\infty$	$\infty$	$\infty$
	Near	9.862	8.843	7.642	6.442	5.323	4.331
12 feet	Far	21.101	29.19	76.128	$\infty$	$\infty$	$\infty$
	Near	8.537	7.782	6.858	5.897	4.965	4.109
10 feet	Far	15.37	19.119	31.454	795.763	$\infty$	$\infty$
	Near	7.525	6.947	6.219	5.436	4.652	3.908

Distance in feet | Confusion circle : 0.025 mm

F = 30 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		25.918	19.407	14.046	10.19	7.456	5.514
6 feet	Far	7.374	8.046	9.423	12.635	25.827	$\infty$
	Near	5.102	4.857	4.526	4.137	3.709	3.262
5 feet	Far	5.855	6.244	6.988	8.487	12.501	46.136
	Near	4.393	4.22	3.981	3.693	3.365	3.011
3 feet	Far	3.216	3.302	3.45	3.693	4.126	5.025
	Near	2.82	2.764	2.682	2.576	2.446	2.291
2.5 feet	Far	2.627	2.676	2.758	2.889	3.106	3.508
	Near	2.39	2.355	2.303	2.234	2.148	2.042
2.167 feet	Far	2.248	2.279	2.329	2.408	2.535	2.754
	Near	2.094	2.071	2.036	1.989	1.929	1.853

Distance in feet | Confusion circle : 0.025 mm

F = 30 mm





Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		30.605	22.881	16.52	11.946	8.702	6.398
80 feet	Far	∞	∞	∞	∞	∞	∞
	Near	22.447	18.06	13.911	10.566	7.982	6.026
30 feet	Far	1713.398	∞	∞	∞	∞	∞
	Near	15.539	13.363	11.009	8.858	7.012	5.491
15 feet	Far	28.042	40.984	157.154	∞	∞	∞
	Near	10.408	9.432	8.25	7.034	5.867	4.806
12 feet	Far	18.804	23.677	40.471	∞	∞	∞
	Near	8.932	8.221	7.33	6.376	5.423	4.523
10 feet	Far	14.147	16.652	23.239	56.002	∞	∞
	Near	7.822	7.285	6.594	5.829	5.04	4.27

Distance in feet | Confusion circle : 0.025 mm

F = 34 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		30.605	22.881	16.52	11.946	8.702	6.398
6 feet	Far	7.112	7.624	8.615	10.661	16.463	96.541
	Near	5.222	5.002	4.7	4.337	3.926	3.485
5 feet	Far	5.698	6.002	6.56	7.601	9.941	18.691
	Near	4.477	4.323	4.108	3.842	3.533	3.189
3 feet	Far	3.179	3.249	3.367	3.557	3.879	4.493
	Near	2.846	2.797	2.726	2.632	2.514	2.371
2.5 feet	Far	2.606	2.646	2.712	2.816	2.984	3.278
	Near	2.406	2.376	2.331	2.271	2.193	2.097
2.167 feet	Far	2.234	2.26	2.301	2.365	2.465	2.631
	Near	2.105	2.085	2.055	2.014	1.96	1.893

Distance in feet | Confusion circle : 0.025 mm

F = 34 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		42.055	31.369	22.567	16.235	11.746	8.556
80 feet	Far	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
	Near	27.916	22.847	17.867	13.712	10.412	7.861
30 feet	Far	101.636	721.536	$\infty$	$\infty$	$\infty$	$\infty$
	Near	17.888	15.724	13.26	10.888	8.753	6.921
15 feet	Far	22.513	27.458	42.214	198.715	$\infty$	$\infty$
	Near	11.356	10.487	9.383	8.185	6.971	5.807
12 feet	Far	16.209	18.547	24.071	42.705	$\infty$	$\infty$
	Near	9.601	8.988	8.185	7.28	6.325	5.372
10 feet	Far	12.664	14.004	16.84	23.938	62.763	$\infty$
	Near	8.316	7.864	7.258	6.554	5.788	4.998

Distance in feet | Confusion circle : 0.025 mm

F = 40 mm





Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		42.055	31.369	22.567	16.235	11.746	8.556
6 feet	Far	6.759	7.08	7.659	8.699	10.858	17.253
	Near	5.414	5.239	4.991	4.682	4.316	3.903
5 feet	Far	5.483	5.679	6.022	6.605	7.695	10.205
	Near	4.608	4.488	4.315	4.095	3.827	3.515
3 feet	Far	3.127	3.175	3.254	3.376	3.572	3.909
	Near	2.887	2.85	2.795	2.721	2.626	2.507
2.5 feet	Far	2.575	2.603	2.648	2.717	2.825	2.999
	Near	2.431	2.408	2.374	2.328	2.267	2.189
2.167 feet	Far	2.215	2.233	2.261	2.304	2.37	2.474
	Near	2.122	2.107	2.084	2.053	2.011	1.957

Distance in feet | Confusion circle : 0.025 mm

F = 40 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		65.389	48.666	34.887	24.976	17.949	12.956
80 feet	Far	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
	Near	36.365	30.625	24.621	19.315	14.89	11.333
30 feet	Far	54.275	76.275	212.683	$\infty$	$\infty$	$\infty$
	Near	20.9	18.926	16.517	14.015	11.594	9.374
15 feet	Far	19.031	21.046	25.28	35.715	88.925	$\infty$
	Near	12.434	11.744	10.815	9.736	8.557	7.339
12 feet	Far	14.368	15.454	17.554	21.866	33.953	181.446
	Near	10.339	9.87	9.222	8.445	7.565	6.618
10 feet	Far	11.541	12.211	13.446	15.76	20.992	40.998
	Near	8.848	8.511	8.038	7.456	6.778	6.026

Distance in feet | Confusion circle : 0.025 mm

F = 50 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		65.389	48.666	34.887	24.976	17.949	12.956
6 feet	Far	6.461	6.642	6.951	7.453	8.323	10.042
	Near	5.61	5.487	5.307	5.073	4.783	4.433
5 feet	Far	5.296	5.41	5.6	5.901	6.399	7.301
	Near	4.741	4.658	4.535	4.373	4.167	3.914
3 feet	Far	3.079	3.108	3.156	3.226	3.334	3.506
	Near	2.926	2.902	2.864	2.813	2.746	2.658
2.5 feet	Far	2.547	2.564	2.592	2.633	2.694	2.789
	Near	2.455	2.44	2.417	2.386	2.343	2.287
2.167 feet	Far	2.197	2.208	2.226	2.252	2.29	2.348
	Near	2.138	2.128	2.113	2.092	2.063	2.025

Distance in feet | Confusion circle : 0.025 mm

F = 50 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		81.859	60.868	43.578	31.142	22.324	16.059
80 feet	Far	4031.734	$\infty$	$\infty$	$\infty$	$\infty$	$\infty$
	Near	40.848	34.949	28.566	22.729	17.717	13.588
30 feet	Far	46.552	57.908	94.168	1009.241	$\infty$	$\infty$
	Near	22.258	20.439	18.144	15.669	13.18	10.812
15 feet	Far	18.037	19.436	22.145	27.743	43.672	271.253
	Near	12.878	12.278	11.453	10.464	9.345	8.145
12 feet	Far	13.81	14.591	16.022	18.672	24.525	45.231
	Near	10.636	10.234	9.669	8.972	8.157	7.249
10 feet	Far	11.188	11.681	12.553	14.074	17.054	24.688
	Near	9.058	8.773	8.365	7.852	7.236	6.53

Distance in feet | Confusion circle : 0.025 mm

F = 56 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		81.859	60.868	43.578	31.142	22.324	16.059
6 feet	Far	6.361	6.499	6.731	7.096	7.698	8.785
	Near	5.684	5.583	5.432	5.234	4.982	4.67
5 feet	Far	5.233	5.32	5.465	5.689	6.045	6.651
	Near	4.791	4.723	4.621	4.485	4.309	4.086
3 feet	Far	3.063	3.086	3.122	3.177	3.259	3.385
	Near	2.941	2.921	2.891	2.849	2.793	2.718
2.5 feet	Far	2.537	2.551	2.572	2.604	2.651	2.723
	Near	2.464	2.452	2.434	2.408	2.373	2.326
2.167 feet	Far	2.191	2.2	2.213	2.234	2.263	2.308
	Near	2.143	2.135	2.123	2.106	2.083	2.051

Distance in feet | Confusion circle : 0.025 mm

F = 56 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		106.587	79.203	56.634	40.406	28.899	20.723
80 feet	Far	319.295	∞	∞	∞	∞	∞
	Near	46.081	40.189	33.537	27.193	21.532	16.712
30 feet	Far	41.202	47.483	62.5	114.997	∞	∞
	Near	23.676	22.067	19.963	17.597	15.109	12.632
15 feet	Far	17.217	18.168	19.9	23.075	29.939	52.707
	Near	13.315	12.817	12.114	11.244	10.223	9.08
12 feet	Far	13.336	13.884	14.844	16.49	19.614	27.056
	Near	10.924	10.595	10.123	9.524	8.799	7.96
10 feet	Far	10.884	11.235	11.838	12.83	14.587	18.205
	Near	9.261	9.03	8.693	8.259	7.723	7.085

Distance in feet | Confusion circle : 0.025 mm

F = 64 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		106.587	79.203	56.634	40.406	28.899	20.723
6 feet	Far	6.272	6.374	6.542	6.801	7.209	7.898
	Near	5.754	5.674	5.554	5.392	5.182	4.917
5 feet	Far	5.176	5.241	5.348	5.508	5.757	6.16
	Near	4.838	4.784	4.703	4.594	4.449	4.263
3 feet	Far	3.048	3.065	3.093	3.133	3.193	3.284
	Near	2.954	2.939	2.915	2.882	2.838	2.778
2.5 feet	Far	2.529	2.539	2.555	2.579	2.614	2.666
	Near	2.473	2.463	2.449	2.428	2.401	2.364
2.167 feet	Far	2.185	2.192	2.202	2.217	2.24	2.272
	Near	2.149	2.143	2.133	2.12	2.102	2.077

Distance in feet | Confusion circle : 0.025 mm

F = 64 mm



Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		124.419	94.515	67.536	48.142	34.389	24.619
80 feet	Far	222.699	525.828	$\infty$	$\infty$	$\infty$	$\infty$
	Near	49.062	43.713	37.007	30.42	24.377	19.104
30 feet	Far	39.086	43.326	53.017	78.232	246.066	$\infty$
	Near	24.414	23.055	21.103	18.85	16.41	13.907
15 feet	Far	16.856	17.558	18.882	21.184	25.672	37.028
	Near	13.533	13.127	12.502	11.716	10.772	9.686
12 feet	Far	13.125	13.534	14.285	15.527	17.736	22.337
	Near	11.066	10.8	10.385	9.851	9.191	8.409
10 feet	Far	10.746	11.011	11.489	12.255	13.55	15.996
	Near	9.36	9.174	8.881	8.497	8.015	7.428

Distance in feet | Confusion circle : 0.025 mm

F = 72 mm





Aperture		T 4	T 5.6	T 8	T11	T16	T22
Hyperfocal I distance		124.419	94.515	67.536	48.142	34.389	24.619
6 feet	Far	6.231	6.31	6.446	6.654	6.975	7.499
	Near	5.788	5.725	5.621	5.482	5.298	5.062
5 feet	Far	5.15	5.2	5.287	5.417	5.615	5.929
	Near	4.861	4.818	4.749	4.655	4.529	4.365
3 feet	Far	3.041	3.054	3.077	3.11	3.159	3.233
	Near	2.961	2.949	2.929	2.901	2.862	2.811
2.5 feet	Far	2.524	2.532	2.546	2.565	2.594	2.636
	Near	2.476	2.469	2.457	2.44	2.416	2.384
2.167 feet	Far	2.182	2.188	2.196	2.209	2.227	2.254
	Near	2.151	2.147	2.139	2.127	2.112	2.091

Distance in feet | Confusion circle : 0.025 mm

F = 72 mm