



OPTIMO 15 - 40

| DEPTH-OF-FIELD TABLES  
DISTANCES IN FEET

| Angenieux®





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

**F = 15 - 40 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 = 15 - 40 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 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		12.948	9.357	6.921	5.091	3.917	2.871	2.235
60 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	10.835	8.242	6.321	4.781	3.746	2.791	2.194
30 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	9.314	7.363	5.815	4.506	3.589	2.714	2.154
20 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	8.166	6.652	5.384	4.26	3.444	2.642	2.115
12 feet	Far	148.107	∞	∞	∞	∞	∞	∞
	Near	6.549	5.574	4.686	3.839	3.185	2.506	2.04
10 feet	Far	39.699	∞	∞	∞	∞	∞	∞
	Near	5.959	5.155	4.401	3.658	3.069	2.443	2.004
8 feet	Far	18.937	47.885	∞	∞	∞	∞	∞
	Near	5.248	4.633	4.031	3.415	2.909	2.354	1.953

Distance in feet | Confusion circle : 0.025 mm

F = 15 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		12.948	9.357	6.921	5.091	3.917	2.871	2.235
6 feet	Far	10.129	14.546	37.161	∞	∞	∞	∞
	Near	4.376	3.961	3.534	3.074	2.676	2.217	1.871
5 feet	Far	7.387	9.355	14.878	214.167	∞	∞	∞
	Near	3.861	3.548	3.216	2.845	2.513	2.118	1.81
4 feet	Far	5.258	6.102	7.855	14.321	∞	∞	∞
	Near	3.281	3.067	2.831	2.557	2.301	1.983	1.724
3 feet	Far	3.558	3.872	4.414	5.652	9.04	∞	∞
	Near	2.622	2.499	2.357	2.185	2.015	1.79	1.595
2 feet	Loin	2.167	2.249	2.372	2.593	2.955	4.097	9.7
	Près	1.866	1.818	1.76	1.684	1.604	1.488	1.378

Distance in feet | Confusion circle : 0.025 mm

F = 15 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		15.256	10.991	8.098	5.925	4.531	3.289	2.534
60 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	12.369	9.455	7.266	5.493	4.292	3.176	2.476
30 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	10.4	8.294	6.588	5.12	4.077	3.071	2.42
20 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	8.97	7.386	6.025	4.793	3.881	2.971	2.366
12 feet	Far	51.622	∞	∞	∞	∞	∞	∞
	Near	7.034	6.058	5.144	4.248	3.54	2.79	2.264
10 feet	Far	26.659	98.415	∞	∞	∞	∞	∞
	Near	6.348	5.557	4.793	4.019	3.39	2.706	2.216
8 feet	Far	15.459	26.097	563.976	∞	∞	∞	∞
	Near	5.537	4.943	4.346	3.718	3.187	2.59	2.148

Distance in feet | Confusion circle : 0.025 mm

F = 17 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		15.256	10.991	8.098	5.925	4.531	3.289	2.534
6 feet	Far	9.1	11.748	19.676	∞	∞	∞	∞
	Near	4.563	4.173	3.761	3.303	2.897	2.415	2.041
5 feet	Far	6.85	8.167	11.125	25.522	∞	∞	∞
	Near	4	3.71	3.393	3.031	2.698	2.29	1.962
4 feet	Far	5	5.611	6.748	9.85	25.185	∞	∞
	Near	3.373	3.178	2.958	2.696	2.445	2.124	1.854
3 feet	Far	3.453	3.694	4.088	4.896	6.62	22.12	∞
	Near	2.673	2.563	2.435	2.274	2.111	1.891	1.693
2 feet	Loin	2.138	2.204	2.3	2.467	2.723	3.419	5.417
	Près	1.885	1.843	1.792	1.724	1.65	1.542	1.435

Distance in feet | Confusion circle : 0.025 mm

F = 17 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		20.863	14.964	10.961	7.953	6.024	4.305	3.26
60 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	15.725	12.18	9.433	7.152	5.577	4.093	3.15
30 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	12.616	10.269	8.278	6.496	5.191	3.899	3.046
20 feet	Far	454.969	∞	∞	∞	∞	∞	∞
	Near	10.533	8.874	7.374	5.949	4.854	3.723	2.949
12 feet	Far	26.554	55.529	∞	∞	∞	∞	∞
	Near	7.916	6.977	6.05	5.091	4.295	3.413	2.77
10 feet	Far	18.06	27.639	101.221	∞	∞	∞	∞
	Near	7.04	6.303	5.55	4.747	4.06	3.276	2.688
8 feet	Far	12.207	15.772	26.283	∞	∞	∞	∞
	Near	6.038	5.504	4.938	4.31	3.752	3.089	2.574

Distance in feet | Confusion circle : 0.025 mm

F = 20 mm





APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		20.863	14.964	10.961	7.953	6.024	4.305	3.26
6 feet	Far	7.93	9.201	11.784	20.693	1205.082	∞	∞
	Near	4.878	4.542	4.17	3.735	3.328	2.819	2.402
5 feet	Far	6.196	6.904	8.183	11.426	23.527	∞	∞
	Near	4.228	3.984	3.707	3.373	3.051	2.634	2.279
4 feet	Far	4.668	5.027	5.618	6.849	9.562	40.87	∞
	Near	3.522	3.363	3.176	2.944	2.711	2.395	2.115
3 feet	Far	3.311	3.464	3.697	4.12	4.834	7.247	24.274
	Near	2.754	2.667	2.562	2.426	2.283	2.078	1.884
2 feet	Loin	2.097	2.141	2.205	2.308	2.455	2.794	3.452
	Près	1.915	1.883	1.843	1.788	1.728	1.634	1.538

Distance in feet | Confusion circle : 0.025 mm

F = 20 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		32.222	23.019	16.765	12.065	9.052	6.366	4.733
60 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	21.256	16.893	13.321	10.222	8.009	5.863	4.469
30 feet	Far	418.599	∞	∞	∞	∞	∞	∞
	Near	15.857	13.341	11.05	8.866	7.18	5.433	4.233
20 feet	Far	50.666	144.273	∞	∞	∞	∞	∞
	Near	12.644	11.022	9.439	7.827	6.506	5.061	4.02
12 feet	Far	18.379	23.708	39.089	2103.059	∞	∞	∞
	Near	8.996	8.177	7.306	6.338	5.475	4.449	3.65
10 feet	Far	13.94	16.726	22.948	52.459	∞	∞	∞
	Near	7.861	7.241	6.564	5.787	5.072	4.195	3.489
8 feet	Far	10.234	11.604	14.177	21.322	59.598	∞	∞
	Near	6.61	6.18	5.695	5.118	4.567	3.863	3.272

Distance in feet | Confusion circle : 0.025 mm

F = 25 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		32.222	23.019	16.765	12.065	9.052	6.366	4.733
6 feet	Far	7.094	7.686	8.666	10.732	15.409	85.027	$\infty$
	Near	5.223	4.966	4.664	4.29	3.916	3.411	2.963
5 feet	Far	5.697	6.053	6.613	7.687	9.686	18.918	$\infty$
	Near	4.472	4.29	4.073	3.797	3.514	3.117	2.753
4 feet	Far	4.399	4.592	4.882	5.397	6.23	8.764	19.419
	Near	3.678	3.562	3.422	3.238	3.043	2.76	2.488
3 feet	Far	3.19	3.277	3.403	3.612	3.917	4.649	6.205
	Near	2.837	2.776	2.7	2.597	2.485	2.313	2.139
2 feet	Loin	2.061	2.087	2.124	2.182	2.26	2.42	2.671
	Près	1.944	1.923	1.895	1.857	1.812	1.741	1.663

Distance in feet | Confusion circle : 0.025 mm

F = 25 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		46.119	32.868	23.861	17.094	12.756	8.888	6.536
60 feet	Far	∞	∞	∞	∞	∞	∞	∞
	Near	26.392	21.529	17.333	13.524	10.703	7.882	6.004
30 feet	Far	83.509	331.788	∞	∞	∞	∞	∞
	Near	18.483	16.005	13.608	11.186	9.218	7.08	5.551
20 feet	Far	34.352	49.145	117.349	∞	∞	∞	∞
	Near	14.221	12.736	11.2	9.536	8.094	6.425	5.161
12 feet	Far	15.781	18.184	22.884	37.377	185.509	∞	∞
	Near	9.731	9.041	8.27	7.362	6.505	5.42	4.523
10 feet	Far	12.425	13.83	16.321	22.361	41.91	∞	∞
	Near	8.403	7.895	7.313	6.608	5.922	5.026	4.259
8 feet	Far	9.42	10.177	11.414	13.958	19.408	69.794	∞
	Near	6.976	6.633	6.23	5.727	5.22	4.531	3.915

Distance in feet | Confusion circle : 0.025 mm

F = 30 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		46.119	32.868	23.861	17.094	12.756	8.888	6.536
6 feet	Far	6.715	7.068	7.607	8.588	10.254	15.975	60.742
	Near	5.436	5.237	4.996	4.684	4.358	3.891	3.45
5 feet	Far	5.462	5.681	6.007	6.57	7.45	9.895	17.448
	Near	4.619	4.481	4.312	4.088	3.848	3.494	3.149
4 feet	Far	4.267	4.39	4.567	4.861	5.288	6.309	8.46
	Near	3.769	3.684	3.576	3.431	3.272	3.029	2.782
3 feet	Far	3.129	3.186	3.266	3.394	3.569	3.944	4.573
	Near	2.884	2.84	2.783	2.705	2.617	2.477	2.327
2 feet	Loin	2.042	2.059	2.084	2.122	2.171	2.266	2.405
	Près	1.961	1.945	1.925	1.897	1.864	1.809	1.747

Distance in feet | Confusion circle : 0.025 mm

F = 30 mm



APERTURE		T 2.6	T 4	T 5.6	T 8	T 11	T 16	T 22
HYPERFOCAL   DISTANCE		72.89	53.593	38.791	27.677	20.551	14.198	10.335
60 feet	Far	334.293	∞	∞	∞	∞	∞	∞
	Near	33.228	28.629	23.866	19.218	15.551	11.678	8.975
30 feet	Far	50.115	66.598	128.538	∞	∞	∞	∞
	Near	21.518	19.529	17.233	14.717	12.506	9.916	7.93
20 feet	Far	27.09	31.168	39.987	69.091	760.335	∞	∞
	Near	15.91	14.818	13.484	11.923	10.458	8.616	7.102
12 feet	Far	14.12	15.104	16.822	20.25	27.162	71.891	∞
	Near	10.457	9.994	9.395	8.641	7.875	6.823	5.873
10 feet	Far	11.393	12.01	13.045	14.965	18.332	31.077	311.599
	Near	8.927	8.595	8.157	7.594	7.009	6.179	5.404
8 feet	Far	8.835	9.188	9.76	10.756	12.327	16.794	31.627
	Near	7.32	7.103	6.811	6.426	6.015	5.412	4.826

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		72.89	53.593	38.791	27.677	20.551	14.198	10.335
6 feet	Far	6.429	6.603	6.876	7.326	7.978	9.518	12.686
	Near	5.63	5.508	5.341	5.114	4.864	4.483	4.094
5 feet	Far	5.28	5.391	5.562	5.838	6.224	7.073	8.586
	Near	4.752	4.669	4.554	4.396	4.218	3.941	3.649
4 feet	Far	4.164	4.227	4.324	4.476	4.682	5.109	5.79
	Near	3.851	3.8	3.729	3.629	3.516	3.334	3.137
3 feet	Far	3.079	3.11	3.155	3.225	3.317	3.497	3.761
	Near	2.926	2.9	2.863	2.811	2.751	2.651	2.54
2 feet	Loin	2.026	2.036	2.05	2.072	2.099	2.151	2.221
	Près	1.975	1.966	1.954	1.935	1.914	1.877	1.834

Distance in feet | Confusion circle : 0.025 mm

F = 40 mm