

6 DEPTH-OF-FIELD TABLES
6 TABLES DE PROFONDEUR DE CHAMP

ZOOM Super 35

F = 28 - 340 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.

*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

ZOOM OPTIMO 28-340

- 1 - Aperture
- 2 - Hyperfocal distance
- 3 - Object distance far/near
- 4 - Confusion circle : 0.025 mm

Distances in feet

F = 28 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	39.402	32.758	24.056	17.135	12.937	9.267	7.074
3	Object distance	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near
	50 feet	∞ 22.606	∞ 20.344	∞ 16.747	∞ 13.197	∞ 10.648	∞ 8.114	∞ 6.436
	30 feet	120.53 17.599	356.71 16.236	∞ 13.922	∞ 11.440	∞ 9.522	∞ 7.489	∞ 6.069
	20 feet	38.508 13.780	48.310 12.961	112.42 11.494	∞ 9.804	∞ 8.406	∞ 6.829	∞ 5.663
	16 feet	25.505 11.850	29.322 11.256	44.106 10.163	255.57 8.852	∞ 7.726	∞ 6.404	∞ 5.390
	13 feet	18.359 10.199	20.180 9.771	25.945 8.963	48.813 7.959	∞ 7.064	∞ 5.973	∞ 5.106
	11 feet	14.439 8.985	15.500 8.662	18.551 8.041	27.385 7.248	67.428 6.520	∞ 5.606	∞ 4.856
	9 feet	11.039 7.665	11.615 7.440	13.149 6.999	16.779 6.418	25.569 5.866	1353.8 5.146	∞ 4.533
	7 feet	8.062 6.225	8.338 6.088	9.030 5.812	10.449 5.436	12.985 5.064	23.744 4.555	∞ 4.100
	5 feet	5.433 4.649	5.537 4.583	5.786 4.448	6.243 4.255	6.921 4.055	8.669 3.766	13.051 3.490
	4 feet	4.279	4.335	4.463	4.691	5.006	5.716	7.035
	1/2 inch	3.839	3.800	3.719	3.601	3.475	3.286	3.099

F = 35 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	55.593	46.121	33.716	23.850	17.866	12.637	9.510
3	Object distance	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near
	50 feet	487.127 26.901	∞ 24.568	∞ 20.693	∞ 16.651	∞ 13.608	∞ 10.453	∞ 8.291
	30 feet	62.69 20.010	82.06 18.728	262.491 16.451	∞ 13.858	∞ 11.738	∞ 9.370	∞ 7.636
	20 feet	30.017 15.154	33.669 14.435	46.16 13.092	115.695 11.452	∞ 10.014	∞ 8.292	∞ 6.946
	16 feet	21.586 12.819	23.351 12.316	28.540 11.352	44.59 10.131	143.708 9.018	∞ 7.632	∞ 6.504
	13 feet	16.305 10.883	17.255 10.531	19.820 9.841	26.104 8.939	42.704 8.088	∞ 6.988	∞ 6.057
	11 feet	13.181 9.492	13.771 9.232	15.295 8.715	18.629 8.022	25.421 7.352	75.961 6.457	∞ 5.678
	9 feet	10.325 8.012	10.665 7.835	11.505 7.477	13.186 6.986	16.060 6.495	26.6 5.818	178.752 5.204
	7 feet	7.705 6.433	7.877 6.328	8.286 6.111	9.046 5.804	10.189 5.486	13.231 5.030	21.494 4.597
	5 feet	5.293 4.746	5.361 4.697	5.518 4.594	5.791 4.443	6.164 4.282	6.979 4.037	8.402 3.791
	4 feet	4.204	4.241	4.324	4.466	4.652	5.032	5.616
	1/2 inch	3.896	3.867	3.807	3.716	3.617	3.463	3.302

ZOOM OPTIMO 28-340

- 1 - Aperture
- 2 - Hyperfocal distance
- 3 - Object distance far/near
- 4 - Confusion circle : 0.025 mm

Distances in feet

F = 50 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	112.13	92.788	67.468	47.333	35.121	24.448	18.067
3	Object distance	<u>Far</u>	<u>Far</u>	<u>Far</u>	<u>Far</u>	<u>Far</u>	<u>Far</u>	<u>Far</u>
		<u>Near</u>	<u>Near</u>	<u>Near</u>	<u>Near</u>	<u>Near</u>	<u>Near</u>	<u>Near</u>
	50 feet	88.399 35.072	105.75 33.016	186.54 29.282	∞ 24.892	∞ 21.190	∞ 16.928	∞ 13.719
	30 feet	40.131 24.049	43.251 23.094	52.205 21.257	77.993 18.910	192.37 16.754	∞ 14.043	∞ 11.818
	20 feet	23.855 17.264	24.879 16.786	27.482 15.830	32.992 14.539	43.485 13.276	99.813 11.573	∞ 10.070
	16 feet	18.293 14.248	18.870 13.930	20.282 13.285	23.034 12.389	27.526 11.486	42.087 10.223	122.61 9.062
	13 feet	14.416 11.858	14.759 11.644	15.576 11.205	17.087 10.582	19.344 9.938	25.259 9.008	40.701 8.122
	11 feet	11.959 10.198	12.185 10.045	12.717 9.727	13.668 9.270	15.019 8.788	18.210 8.076	24.723 7.379
	9 feet	9.597 8.482	9.735 8.381	10.053 8.170	10.606 7.861	11.357 7.528	12.986 7.024	15.794 6.515
	7 feet	7.325 6.708	7.398 6.650	7.565 6.527	7.847 6.343	8.216 6.142	8.960 5.828	10.091 5.500
	5 feet	5.138 4.871	5.169 4.845	5.237 4.789	5.350 4.704	5.491 4.609	5.761 4.456	6.134 4.288
	4 feet	4.119	4.136	4.173	4.234	4.310	4.451	4.637
	1/2 inch	3.968	3.953	3.921	3.872	3.816	3.724	3.621

F = 60 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	112.13	92.788	67.468	47.333	35.121	24.448	18.067
3	Object distance	<u>Far</u>	<u>Far</u>	<u>Far</u>	<u>Far</u>	<u>Far</u>	<u>Far</u>	<u>Far</u>
		<u>Near</u>	<u>Near</u>	<u>Near</u>	<u>Near</u>	<u>Near</u>	<u>Near</u>	<u>Near</u>
	50 feet	88.399 35.072	105.75 33.016	186.54 29.282	∞ 24.892	∞ 21.190	∞ 16.928	∞ 13.719
	30 feet	40.131 24.049	43.251 23.094	52.205 21.257	77.993 18.910	192.37 16.754	∞ 14.043	∞ 11.818
	20 feet	23.855 17.264	24.879 16.786	27.482 15.830	32.992 14.539	43.485 13.276	99.813 11.573	∞ 10.070
	16 feet	18.293 14.248	18.870 13.930	20.282 13.285	23.034 12.389	27.526 11.486	42.087 10.223	122.61 9.062
	13 feet	14.416 11.858	14.759 11.644	15.576 11.205	17.087 10.582	19.344 9.938	25.259 9.008	40.701 8.122
	11 feet	11.959 10.198	12.185 10.045	12.717 9.727	13.668 9.270	15.019 8.788	18.210 8.076	24.723 7.379
	9 feet	9.597 8.482	9.735 8.381	10.053 8.170	10.606 7.861	11.357 7.528	12.986 7.024	15.794 6.515
	7 feet	7.325 6.708	7.398 6.650	7.565 6.527	7.847 6.343	8.216 6.142	8.960 5.828	10.091 5.500
	5 feet	5.138 4.871	5.169 4.845	5.237 4.789	5.350 4.704	5.491 4.609	5.761 4.456	6.134 4.288
	4 feet	4.095	4.106	4.132	4.173	4.223	4.314	4.430
	1/2 inch	3.990	3.980	3.957	3.921	3.881	3.813	3.736

ZOOM OPTIMO 28-340

- 1 - Aperture
- 2 - Hyperfocal distance
- 3 - Object distance far/near
- 4 - Confusion circle : 0.025 mm

Distances in feet

F = 75 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	250.78	207.27	150.31	105.01	77.530	53.517	39.160
3	Distance objet	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near
	50 feet	61.876 42.007	65.159 40.642	73.759 37.950	93.287 34.375	136.32 30.947	707.86 26.427	∞ 22.530
	30 feet	33.767 27.012	34.691 26.459	36.910 25.326	41.077 23.730	47.47 22.093	65.219 19.754	119.77 17.554
	20 feet	21.538 18.677	21.895 18.421	22.723 17.886	24.173 17.106	26.162 16.271	30.563 15.013	38.433 13.754
	16 feet	16.938 15.167	17.152 15.003	17.640 14.656	18.473 14.143	19.576 13.584	21.858 12.721	25.47 11.831
	13 feet	13.590 12.463	13.722 12.356	14.021 12.129	14.523 11.787	15.171 11.410	16.454 10.815	18.343 10.186
	11 feet	11.404 10.626	11.494 10.551	11.695 10.390	12.030 10.148	12.455 9.876	13.274 9.442	14.430 8.975
	9 feet	9.254 8.761	9.310 8.712	9.435 8.608	9.640 8.449	9.897 8.269	10.380 7.978	11.034 7.658
	7 feet	7.140 6.866	7.171 6.839	7.238 6.780	7.348 6.689	7.484 6.584	7.733 6.413	8.059 6.221
	5 feet	5.060 4.942	5.073 4.930	5.102 4.903	5.148 4.863	5.204 4.816	5.304 4.737	5.432 4.647
	4 feet	4.075	4.083	4.099	4.124	4.155	4.210	4.279
	1/2 inch	4.009	4.002	3.987	3.964	3.936	3.891	3.838

F = 125 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	640.17	528.88	383.10	267.15	196.81	135.34	98.588
3	Distance objet	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near
	50 feet	54.043 46.531	54.982 45.862	57.162 44.462	60.987 42.422	66.251 40.242	77.955 36.965	99.099 33.690
	30 feet	31.364 28.754	31.668 28.505	32.356 27.975	33.509 27.178	34.99 26.294	37.898 24.897	42.131 23.411
	20 feet	20.573 19.460	20.698 19.350	20.978 19.114	21.437 18.753	22.009 18.344	23.079 17.679	24.519 16.946
	16 feet	16.353 15.663	16.430 15.594	16.600 15.445	16.878 15.215	17.219 14.953	17.847 14.521	18.67 14.037
	13 feet	13.224 12.784	13.272 12.740	13.379 12.644	13.552 12.495	13.763 12.324	14.147 12.039	14.639 11.716
	11 feet	11.154 10.851	11.187 10.820	11.261 10.753	11.378 10.649	11.522 10.528	11.780 10.327	12.107 10.097
	9 feet	9.098 8.905	9.118 8.885	9.165 8.842	9.238 8.775	9.328 8.698	9.487 8.567	9.687 8.415
	7 feet	7.054 6.947	7.065 6.936	7.091 6.912	7.131 6.874	7.180 6.830	7.266 6.756	7.373 6.669
	5 feet	5.023 4.977	5.028 4.972	5.039 4.962	5.056 4.945	5.077 4.926	5.113 4.893	5.158 4.854
	4 feet	4.055	4.057	4.064	4.073	4.085	4.105	4.130
	1/2 inch	4.029	4.026	4.020	4.011	4.000	3.981	3.959

ZOOM OPTIMO 28-340

- 1 - Aperture
- 2 - Hyperfocal distance
- 3 - Object distance far/near
- 4 - Confusion circle : 0.025 mm

Distances in feet

F = 200 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	1658.2	1467.4	1062.6	740.52	545.12	374.35	272.25
3	Distance objet	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near
	50 feet	51.484 48.601	51.684 48.425	52.358 47.851	53.460 46.973	54.827 45.975	57.376 44.347	60.777 42.543
	30 feet	30.511 29.506	30.579 29.443	30.806 29.237	31.172 28.917	31.62 28.547	32.422 27.930	33.447 27.226
	20 feet	20.217 19.788	20.246 19.761	20.341 19.671	20.493 19.532	20.677 19.369	21.005 19.094	21.413 18.775
	16 feet	16.134 15.868	16.152 15.851	16.211 15.795	16.305 15.708	16.417 15.606	16.617 15.432	16.86 15.229
	13 feet	13.085 12.916	13.097 12.905	13.134 12.869	13.193 12.813	13.264 12.748	13.389 12.636	13.543 12.504
	11 feet	11.059 10.942	11.067 10.934	11.092 10.910	11.133 10.871	11.182 10.825	11.267 10.747	11.372 10.655
	9 feet	9.037 8.963	9.042 8.958	9.058 8.942	9.084 8.918	9.115 8.888	9.169 8.838	9.235 8.779
	7 feet	7.021 6.979	7.023 6.977	7.032 6.968	7.047 6.954	7.064 6.938	7.093 6.910	7.129 6.877
	5 feet	5.009 4.991	5.010 4.990	5.014 4.986	5.020 4.980	5.027 4.973	5.040 4.961	5.056 4.946
	4 feet	4.047	4.047	4.049	4.053	4.057	4.064	4.073
	1/2 inch	4.037	4.036	4.034	4.030	4.026	4.019	4.011

F = 250 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	2473.5	2293.3	1660.4	1156.8	851.39	584.51	424.96
3	Distance objet	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near
	50 feet	50.985 49.054	51.064 48.981	51.483 48.603	52.159 48.019	52.984 47.346	54.479 46.226	56.393 44.952
	30 feet	30.341 29.667	30.368 29.642	30.511 29.507	30.740 29.298	31.02 29.054	31.505 28.641	32.116 28.162
	20 feet	20.145 19.857	20.156 19.846	20.217 19.788	20.313 19.698	20.428 19.591	20.631 19.410	20.881 19.198
	16 feet	16.090 15.911	16.097 15.904	16.134 15.868	16.193 15.812	16.264 15.745	16.389 15.632	16.54 15.498
	13 feet	13.057 12.944	13.062 12.939	13.085 12.916	13.123 12.880	13.168 12.837	13.246 12.764	13.342 12.678
	11 feet	11.039 10.961	11.043 10.958	11.059 10.942	11.085 10.917	11.116 10.887	11.170 10.837	11.235 10.776
	9 feet	9.025 8.975	9.027 8.973	9.037 8.963	9.054 8.947	9.073 8.928	9.107 8.896	9.149 8.857
	7 feet	7.014 6.986	7.015 6.985	7.021 6.979	7.030 6.971	7.041 6.960	7.059 6.942	7.082 6.920
	5 feet	5.006 4.994	5.006 4.994	5.009 4.991	5.013 4.987	5.018 4.983	5.026 4.975	5.035 4.965
	4 feet	4.045	4.045	4.047	4.049	4.051	4.056	4.061
	1/2 inch	4.038	4.038	4.037	4.034	4.032	4.027	4.022

ZOOM OPTIMO 28-340

- 1 - Aperture
- 2 - Hyperfocal distance
- 3 - Object distance far/near
- 4 - Confusion circle : 0.025 mm

Distances in feet

F = 340 mm

1	Aperture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Hyperfocal distance	5623.7	3965.1	2861.4	1992.1	1465.6	1005.8	731.07
3	Distance objet	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near	<u>Far</u> Near
	50 feet	50.428 49.579	50.610 49.405	50.850 49.180	51.231 48.830	51.690 48.423	52.506 47.735	53.522 46.936
	30 feet	30.149 29.853	30.212 29.792	30.294 29.712	30.425 29.588	30.58 29.443	30.856 29.195	31.193 28.903
	20 feet	20.063 19.937	20.090 19.911	20.125 19.877	20.180 19.823	20.246 19.761	20.362 19.653	20.502 19.526
	16 feet	16.039 15.961	16.056 15.945	16.078 15.923	16.112 15.890	16.152 15.851	16.223 15.784	16.31 15.704
	13 feet	13.025 12.975	13.036 12.965	13.049 12.951	13.071 12.930	13.097 12.905	13.142 12.862	13.196 12.811
	11 feet	11.017 10.983	11.025 10.976	11.034 10.966	11.049 10.952	11.067 10.934	11.098 10.904	11.135 10.869
	9 feet	9.011 8.989	9.016 8.985	9.022 8.979	9.031 8.969	9.042 8.958	9.062 8.939	9.086 8.917
	7 feet	7.006 6.994	7.009 6.991	7.012 6.988	7.017 6.983	7.023 6.977	7.034 6.966	7.047 6.954
	5 feet	5.003 4.997	5.004 4.996	5.005 4.995	5.007 4.993	5.010 4.990	5.015 4.985	5.020 4.980
	4 feet	4.044	4.044	4.045	4.046	4.047	4.050	4.053
	1/2 inch	4.040	4.039	4.039	4.037	4.036	4.033	4.030

ZOOM OPTIMO 28-340

- 1 - Ouverture
- 2 - Distance hyperfocale
- 3 - Distance objet : loin/près
- 4 - Cercle de confusion : 0.025 mm

Distances en mètres

F = 28 mm

		T 3.2	T 4	T 5.6	T 8	T11	T16	T22
1	Ouverture							
2	Distance hyperfocale	11.710	9.737	7.153	5.098	3.852	2.762	2.111
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	∞ 8.564	∞ 7.481	∞ 5.885	∞ 4.444	∞ 3.483	∞ 2.582	∞ 2.013
	10 m	66.622 5.569	∞ 5.110	∞ 4.342	∞ 3.534	∞ 2.921	∞ 2.281	∞ 1.841
	8 m	24.053 4.923	43.005 4.566	∞ 3.952	∞ 3.281	∞ 2.754	∞ 2.186	∞ 1.783
	5 m	8.252 3.650	9.626 3.461	15.355 3.113	694.98 2.701	∞ 2.349	∞ 1.940	∞ 1.629
	4 m	5.741 3.113	6.347 2.979	8.313 2.727	16.912 2.415	∞ 2.139	∞ 1.804	∞ 1.540
	3 m	3.812 2.499	4.052 2.417	4.717 2.258	6.455 2.052	11.955 1.860	∞ 1.615	∞ 1.410
	2.5 m	3.005 2.158	3.144 2.100	3.507 1.985	4.325 1.831	6.099 1.684	26.445 1.489	∞ 1.320
	2.0 m	2.282 1.791	2.354 1.754	2.534 1.679	2.897 1.576	3.526 1.473	5.930 1.332	70.097 1.204
	1.5 m	1.630 1.395	1.662 1.375	1.736 1.334	1.874 1.277	2.079 1.217	2.609 1.130	3.955 1.048
	1.23 m	1.304 1.167	1.322 1.155	1.362 1.130	1.433 1.093	1.533 1.054	1.760 0.996	2.189 0.939

F = 35 mm

		T 3.2	T 4	T 5.6	T 8	T11	T16	T22
1	Ouverture							
2	Distance hyperfocale	16.945	14.058	10.277	7.270	5.446	3.852	2.899
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	∞ 10.991	∞ 9.725	∞ 7.788	∞ 5.961	∞ 4.699	∞ 3.482	∞ 2.698
	10 m	23.484 6.453	33.179 6.014	406.21 5.244	∞ 4.381	∞ 3.686	∞ 2.921	∞ 2.368
	8 m	14.570 5.587	17.723 5.261	34.175 4.672	∞ 3.985	∞ 3.410	∞ 2.754	∞ 2.263
	5 m	6.815 3.983	7.397 3.823	9.128 3.518	14.702 3.132	58.629 2.783	∞ 2.349	∞ 1.998
	4 m	5.032 3.343	5.329 3.233	6.135 3.020	8.125 2.741	13.491 2.478	∞ 2.139	∞ 1.853
	3 m	3.504 2.636	3.637 2.571	3.970 2.442	4.660 2.267	5.920 2.095	11.688 1.860	∞ 1.651
	2.5 m	2.820 2.254	2.901 2.209	3.097 2.118	3.477 1.991	4.091 1.863	6.033 1.684	15.564 1.518
	2.0 m	2.182 1.851	2.226 1.823	2.330 1.765	2.520 1.683	2.799 1.597	3.505 1.473	5.189 1.353
	1.5 m	1.586 1.426	1.605 1.411	1.651 1.381	1.731 1.337	1.838 1.289	2.073 1.217	2.477 1.144
	1.23 m	1.279 1.186	1.290 1.177	1.316 1.159	1.359 1.131	1.415 1.101	1.530 1.054	1.707 1.006

ZOOM OPTIMO 28-340

- 1 - Ouverture
- 2 - Distance hyperfocale
- 3 - Distance objet : loin/près
- 4 - Cercle de confusion : 0.025 mm

Distances en mètres

F = 50 mm

1	Ouverture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Distance hyperfocale	34.176	28.282	20.564	14.427	10.705	7.452	5.507
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	240.37 16.151	∞ 14.734	∞ 12.371	∞ 9.896	∞ 8.025	∞ 6.080	∞ 4.744
	10 m	13.850 7.859	15.091 7.523	18.810 6.883	31.020 6.076	141.83 5.346	∞ 4.442	∞ 3.712
	8 m	10.234 6.590	10.884 6.356	12.655 5.901	17.100 5.308	29.618 4.751	∞ 4.034	∞ 3.432
	5 m	5.740 4.438	5.928 4.337	6.388 4.131	7.292 3.846	8.787 3.560	13.812 3.161	47.616 2.797
	4 m	4.441 3.645	4.548 3.579	4.803 3.442	5.276 3.249	5.985 3.050	7.856 2.762	12.835 2.489
	3 m	3.225 2.808	3.277 2.771	3.399 2.693	3.614 2.581	3.910 2.461	4.576 2.281	5.799 2.102
	2.5 m	2.646 2.372	2.679 2.347	2.755 2.294	2.887 2.216	3.063 2.131	3.432 2.001	4.036 1.869
	2.0 m	2.084 1.923	2.103 1.908	2.146 1.876	2.219 1.827	2.312 1.774	2.499 1.690	2.776 1.601
	1.5 m	1.540 1.462	1.549 1.455	1.569 1.438	1.602 1.413	1.643 1.385	1.722 1.340	1.830 1.291
	1.23 m	1.253 1.208	1.259 1.203	1.270 1.193	1.288 1.178	1.311 1.161	1.354 1.133	1.411 1.102

F = 60 mm

1	Ouverture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Distance hyperfocale	49.051	40.562	29.449	20.612	15.251	10.567	7.767
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	76.091 18.781	113.06 17.417	∞ 15.037	∞ 12.387	∞ 10.268	∞ 7.950	∞ 6.283
	10 m	12.38 8.405	13.04 8.133	14.781 7.598	18.756 6.888	27.661 6.208	168.75 5.314	∞ 4.545
	8 m	9.424 6.962	9.795 6.778	10.725 6.408	12.631 5.904	16.045 5.406	30.618 4.726	∞ 4.117
	5 m	5.490 4.595	5.607 4.518	5.883 4.360	6.382 4.133	7.104 3.895	8.868 3.547	12.759 3.209
	4 m	4.295 3.746	4.364 3.697	4.523 3.594	4.800 3.443	5.181 3.283	6.021 3.040	7.517 2.797
	3 m	3.152 2.863	3.187 2.836	3.265 2.779	3.398 2.694	3.572 2.600	3.925 2.455	4.466 2.303
	2.5 m	2.599 2.409	2.621 2.391	2.671 2.352	2.755 2.294	2.861 2.229	3.071 2.127	3.374 2.018
	2.0 m	2.058 1.946	2.070 1.935	2.099 1.912	2.146 1.876	2.205 1.836	2.317 1.771	2.470 1.700
	1.5 m	1.528 1.474	1.534 1.468	1.547 1.456	1.569 1.438	1.596 1.418	1.645 1.384	1.710 1.346
	1.23 m	1.246 1.214	1.250 1.211	1.257 1.204	1.270 1.194	1.285 1.181	1.313 1.161	1.348 1.137

ZOOM OPTIMO 28-340

- 1 - Ouverture
- 2 - Distance hyperfocale
- 3 - Distance objet : loin/près
- 4 - Cercle de confusion : 0.025 mm

Distances en mètres

F = 75 mm

1	Ouverture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Distance hyperfocale	76.439	63.177	45.814	32.006	23.631	16.312	11.936
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	48.914 21.687	56.467 20.495	85.466 18.297	460.92 15.661	∞ 13.392	∞ 10.727	∞ 8.682
	10 m	11.400 8.914	11.749 8.716	12.597 8.311	14.224 7.746	16.812 7.173	24.670 6.365	57.272 5.616
	8 m	8.854 7.301	9.059 7.170	9.546 6.899	10.433 6.512	11.734 6.109	15.009 5.522	22.738 4.959
	5 m	5.302 4.732	5.371 4.680	5.529 4.569	5.799 4.405	6.158 4.226	6.905 3.952	8.101 3.669
	4 m	4.184 3.833	4.225 3.800	4.318 3.729	4.475 3.623	4.677 3.506	5.078 3.321	5.670 3.126
	3 m	3.095 2.911	3.116 2.893	3.164 2.854	3.242 2.796	3.339 2.730	3.526 2.623	3.782 2.507
	2.5 m	2.562 2.441	2.576 2.429	2.606 2.403	2.656 2.364	2.718 2.319	2.833 2.245	2.988 2.164
	2.0 m	2.036 1.965	2.044 1.958	2.062 1.942	2.090 1.918	2.125 1.891	2.189 1.846	2.273 1.795
	1.5 m	1.518 1.483	1.521 1.479	1.530 1.472	1.543 1.460	1.560 1.446	1.589 1.423	1.626 1.397
	1.23 m	1.240 1.220	1.242 1.218	1.247 1.213	1.255 1.206	1.264 1.198	1.281 1.184	1.302 1.168

F = 120 mm

1	Ouverture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Distance hyperfocale	195.12	161.20	116.77	81.427	59.989	41.252	30.050
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	35.323 26.083	36.700 25.386	40.130 23.982	47.092 22.061	59.310 20.155	108.11 17.540	17155 15.189
	10 m	10.503 9.545	10.616 9.454	10.872 9.262	11.303 8.974	11.862 8.657	12.978 8.159	14.642 7.634
	8 m	8.313 7.711	8.382 7.653	8.538 7.529	8.797 7.341	9.125 7.131	9.759 6.795	10.653 6.434
	5 m	5.114 4.892	5.138 4.869	5.193 4.822	5.283 4.748	5.393 4.664	5.596 4.526	5.862 4.371
	4 m	4.070 3.933	4.085 3.919	4.118 3.889	4.172 3.843	4.238 3.790	4.357 3.701	4.511 3.601
	3 m	3.036 2.964	3.044 2.957	3.062 2.941	3.089 2.916	3.123 2.887	3.183 2.839	3.259 2.783
	2.5 m	2.524 2.477	2.529 2.472	2.540 2.461	2.558 2.445	2.580 2.425	2.619 2.393	2.668 2.355
	2.0 m	2.014 1.986	2.017 1.983	2.024 1.977	2.034 1.967	2.047 1.956	2.069 1.936	2.097 1.913
	1.5 m	1.507 1.493	1.508 1.492	1.511 1.489	1.516 1.484	1.523 1.478	1.533 1.469	1.546 1.457
	1.23 m	1.234 1.226	1.235 1.225	1.237 1.223	1.240 1.221	1.243 1.217	1.249 1.212	1.257 1.205

ZOOM OPTIMO 28-340

- 1 - Ouverture
- 2 - Distance hyperfocale
- 3 - Distance objet : loin/près
- 4 - Cercle de confusion : 0.025 mm

Distances en mètres

F = 200 mm

1	Ouverture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Distance hyperfocale	505.42	447.26	323.89	225.71	166.15	114.10	82.982
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	31.850 28.356	32.108 28.156	32.994 27.511	34.497 26.553	36.469 25.503	40.485 23.870	46.674 22.171
	10 m	10.188 9.819	10.213 9.796	10.297 9.721	10.432 9.604	10.597 9.469	10.896 9.246	11.280 8.991
	8 m	8.118 7.886	8.133 7.871	8.185 7.823	8.269 7.749	8.370 7.663	8.553 7.518	8.783 7.352
	5 m	5.043 4.958	5.049 4.952	5.068 4.934	5.098 4.906	5.134 4.873	5.199 4.818	5.278 4.752
	4 m	4.027 3.974	4.030 3.970	4.042 3.959	4.060 3.942	4.082 3.921	4.121 3.887	4.169 3.846
	3 m	3.014 2.986	3.016 2.984	3.022 2.979	3.032 2.969	3.043 2.958	3.063 2.940	3.088 2.918
	2.5 m	2.509 2.491	2.510 2.490	2.514 2.486	2.521 2.480	2.528 2.473	2.541 2.460	2.558 2.446
	2.0 m	2.005 1.995	2.006 1.994	2.008 1.992	2.012 1.988	2.017 1.984	2.024 1.976	2.034 1.968
	1.5 m	1.503 1.497	1.503 1.497	1.504 1.496	1.506 1.494	1.508 1.492	1.512 1.489	1.516 1.484
	1.23 m	1.232 1.228	1.232 1.228	1.232 1.228	1.233 1.227	1.235 1.225	1.237 1.223	1.239 1.220

F = 250 mm

1	Ouverture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Distance hyperfocale	753.93	699.01	506.09	352.60	259.50	178.16	129.53
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	31.215 28.878	31.315 28.793	31.848 28.358	32.729 27.698	33.839 26.956	35.955 25.763	38.880 24.466
	10 m	10.125 9.878	10.135 9.869	10.188 9.819	10.272 9.743	10.374 9.654	10.555 9.503	10.782 9.329
	8 m	8.078 7.923	8.085 7.917	8.118 7.886	8.170 7.837	8.233 7.781	8.345 7.685	8.483 7.573
	5 m	5.029 4.972	5.031 4.969	5.043 4.958	5.062 4.939	5.085 4.918	5.125 4.882	5.174 4.839
	4 m	4.018 3.982	4.019 3.981	4.027 3.974	4.038 3.963	4.052 3.949	4.077 3.927	4.106 3.900
	3 m	3.009 2.991	3.010 2.990	3.014 2.986	3.020 2.980	3.027 2.973	3.040 2.961	3.056 2.947
	2.5 m	2.506 2.494	2.507 2.493	2.509 2.491	2.513 2.487	2.518 2.482	2.526 2.474	2.536 2.465
	2.0 m	2.004 1.996	2.004 1.996	2.005 1.995	2.008 1.992	2.011 1.990	2.015 1.985	2.021 1.979
	1.5 m	1.502 1.498	1.502 1.498	1.503 1.497	1.504 1.496	1.505 1.495	1.507 1.493	1.510 1.490
	1.23 m	1.231 1.229	1.231 1.229	1.232 1.228	1.232 1.228	1.233 1.227	1.234 1.226	1.236 1.224

ZOOM OPTIMO 28-340

- 1 - Ouverture
- 2 - Distance hyperfocale
- 3 - Distance objet : loin/près
- 4 - Cercle de confusion : 0.025 mm

Distances en mètres

F = 340 mm

1	Ouverture	T 3.2	T 4	T 5.6	T 8	T11	T16	T22
2	Distance hyperfocale	1714.1	1208.6	872.15	607.19	446.71	306.57	222.83
3	Distance objet	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres	<u>Loin</u> Pres
	30 m	30.522 29.496	30.747 29.290	31.045 29.025	31.526 28.619	32.115 28.153	33.191 27.383	34.585 26.514
	10 m	10.055 9.946	10.078 9.924	10.108 9.894	10.156 9.849	10.214 9.796	10.315 9.705	10.440 9.599
	8 m	8.034 7.966	8.049 7.952	8.068 7.933	8.098 7.905	8.134 7.871	8.197 7.814	8.274 7.746
	5 m	5.013 4.987	5.018 4.982	5.025 4.975	5.036 4.965	5.049 4.952	5.072 4.931	5.100 4.905
	4 m	4.008 3.992	4.011 3.989	4.015 3.985	4.022 3.978	4.030 3.970	4.044 3.957	4.061 3.941
	3 m	3.004 2.996	3.006 2.994	3.008 2.992	3.012 2.988	3.016 2.984	3.023 2.977	3.032 2.969
	2.5 m	2.503 2.497	2.504 2.496	2.505 2.495	2.508 2.492	2.510 2.490	2.515 2.485	2.521 2.479
	2.0 m	2.002 1.998	2.002 1.998	2.003 1.997	2.004 1.996	2.006 1.994	2.009 1.991	2.012 1.988
	1.5 m	1.501 1.499	1.501 1.499	1.502 1.498	1.502 1.498	1.503 1.497	1.504 1.496	1.506 1.494
	1.23 m	1.230 1.230	1.231 1.229	1.231 1.229	1.231 1.229	1.232 1.228	1.233 1.227	1.233 1.227