

OPTIMO PRIME

DEPTH-OF-FIELD TABLES DISTANCES IN FEET

angénieux®

The depths of field tables are provided for information purposes only and are estimated with a circle of confusion of 0.013mm (1/2000inch). 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.



In case you require any further information please contact our service team at:
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APERTURE	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	43,659	31,535	22,319	16,135	11,481	8,515	6,041	4,556
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	∞	∞	∞	∞	∞	∞	∞	∞
	25,540	20,920	16,486	12,899	9,784	7,575	5,577	4,304
30	93,885	628,432	∞	∞	∞	∞	∞	∞
	18,048	15,650	13,068	10,743	8,523	6,820	5,179	4,077
15	22,305	27,690	43,855	213,908	∞	∞	∞	∞
	11,373	10,405	9,236	8,049	6,775	5,686	4,530	3,688
10	12,659	14,161	17,296	24,755	73,953	∞	∞	∞
	8,302	7,792	7,141	6,434	5,620	4,873	4,024	3,365
8	9,559	10,365	11,897	14,891	24,335	137,190	∞	∞
	6,903	6,557	6,101	5,592	4,982	4,401	3,712	3,157
6	6,790	7,166	7,828	8,953	11,500	18,217	∞	∞
	5,389	5,185	4,910	4,589	4,188	3,787	3,287	2,860
5	5,513	5,748	6,148	6,790	8,093	10,769	25,712	∞
	4,584	4,442	4,245	4,012	3,714	3,406	3,009	2,660
4	4,300	4,433	4,652	4,987	5,607	6,684	10,081	29,299
	3,745	3,655	3,529	3,375	3,173	2,958	2,670	2,405
3	3,148	3,211	3,312	3,459	3,714	4,104	5,028	7,078
	2,868	2,821	2,753	2,668	2,552	2,424	2,245	2,071
2	2,050	2,071	2,104	2,149	2,223	2,326	2,531	2,850
	1,953	1,935	1,910	1,877	1,831	1,777	1,698	1,615
1,5	1,521	1,530	1,543	1,562	1,591	1,630	1,702	1,803
	1,480	1,472	1,460	1,446	1,424	1,399	1,360	1,318
1,25	1,262	1,266	1,273	1,283	1,298	1,318	1,354	1,402
	1,239	1,235	1,228	1,220	1,208	1,194	1,171	1,146
1,167	1,176	1,179	1,185	1,192	1,204	1,219	1,246	1,282
	1,158	1,155	1,150	1,143	1,134	1,122	1,105	1,085

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	63,989	57,761	41,608	29,366	21,155	14,977	11,040	7,756	5,785
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	971,178	∞	∞	∞	∞	∞	∞	∞	∞
	31,203	29,668	24,800	19,926	15,823	12,137	9,448	6,963	5,350
30	55,721	61,512	105,744	∞	∞	∞	∞	∞	∞
	20,631	19,959	17,663	15,078	12,637	10,201	8,256	6,316	4,976
15	19,315	19,945	22,958	29,787	49,843	∞	∞	∞	∞
	12,297	12,063	11,210	10,141	9,008	7,732	6,592	5,325	4,364
10	11,683	11,903	12,879	14,708	18,205	28,600	106,607	∞	∞
	8,758	8,642	8,209	7,639	6,997	6,225	5,485	4,602	3,885
8	9,013	9,140	9,689	10,662	12,336	16,232	27,262	∞	∞
	7,203	7,127	6,837	6,445	5,993	5,430	4,870	4,176	3,589
6	6,527	6,591	6,859	7,312	8,027	9,438	12,178	24,439	∞
	5,558	5,514	5,346	5,113	4,836	4,476	4,103	3,617	3,183
5	5,348	5,389	5,561	5,843	6,275	7,072	8,446	12,709	34,945
	4,699	4,669	4,552	4,388	4,188	3,924	3,644	3,266	2,919
4	4,207	4,231	4,331	4,491	4,728	5,142	5,790	7,398	11,377
	3,815	3,796	3,722	3,617	3,487	3,311	3,119	2,851	2,594
3	3,105	3,117	3,165	3,243	3,353	3,536	3,803	4,369	5,375
	2,904	2,893	2,854	2,797	2,725	2,626	2,513	2,350	2,187
2	2,038	2,042	2,059	2,085	2,122	2,180	2,260	2,411	2,631
	1,964	1,961	1,946	1,924	1,895	1,855	1,808	1,736	1,660
1,5	1,517	1,519	1,526	1,538	1,554	1,578	1,611	1,671	1,751
	1,484	1,482	1,475	1,465	1,452	1,432	1,409	1,374	1,334
1,25	1,260	1,261	1,265	1,271	1,280	1,294	1,312	1,344	1,386
	1,241	1,240	1,236	1,230	1,222	1,211	1,197	1,176	1,151
1,167	1,174	1,175	1,179	1,184	1,191	1,202	1,216	1,240	1,273
	1,159	1,158	1,155	1,151	1,144	1,135	1,124	1,107	1,087

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	83,060	75,870	55,872	39,811	28,758	20,344	14,950	10,439	7,727
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	213,684	283,350	∞	∞	∞	∞	∞	∞	∞
	35,070	33,741	29,172	24,162	19,651	15,374	12,121	9,012	6,941
30	46,425	49,000	63,691	118,901	∞	∞	∞	∞	∞
	22,227	21,694	19,738	17,344	14,924	12,355	10,191	7,927	6,299
15	18,098	18,464	20,159	23,499	30,331	54,511	∞	∞	∞
	12,829	12,655	11,985	11,085	10,074	8,869	7,728	6,388	5,315
10	11,240	11,376	11,976	13,040	14,833	18,767	28,336	220,642	∞
	9,016	8,933	8,604	8,145	7,603	6,916	6,223	5,348	4,596
8	8,753	8,833	9,181	9,778	10,724	12,583	16,144	31,262	∞
	7,373	7,318	7,101	6,793	6,421	5,935	5,429	4,765	4,171
6	6,395	6,436	6,611	6,901	7,339	8,124	9,406	12,874	23,723
	5,654	5,624	5,500	5,321	5,099	4,800	4,476	4,032	3,614
5	5,262	5,288	5,401	5,587	5,860	6,331	7,054	8,760	12,511
	4,766	4,744	4,659	4,534	4,377	4,163	3,925	3,590	3,265
4	4,157	4,172	4,239	4,346	4,500	4,758	5,131	5,925	7,329
	3,856	3,843	3,790	3,711	3,611	3,471	3,312	3,081	2,850
3	3,079	3,087	3,120	3,172	3,246	3,366	3,531	3,854	4,344
	2,925	2,919	2,890	2,848	2,794	2,717	2,627	2,492	2,350
2	2,028	2,031	2,043	2,061	2,086	2,126	2,178	2,273	2,403
	1,973	1,970	1,960	1,944	1,923	1,892	1,856	1,799	1,737
1,5	1,513	1,514	1,519	1,527	1,538	1,555	1,577	1,616	1,667
	1,488	1,486	1,482	1,474	1,465	1,450	1,433	1,406	1,375
1,25	1,257	1,258	1,261	1,265	1,271	1,281	1,293	1,314	1,341
	1,243	1,242	1,240	1,235	1,230	1,221	1,211	1,195	1,176
1,167	1,172	1,173	1,175	1,179	1,184	1,191	1,201	1,217	1,238
	1,161	1,161	1,158	1,155	1,151	1,144	1,136	1,123	1,108

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	111,314	101,325	74,114	52,607	37,906	26,748	19,606	13,637	10,050
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	129,079	145,780	311,280	∞	∞	∞	∞	∞	∞
	39,199	37,904	33,389	28,264	23,453	18,700	14,951	11,252	8,722
30	40,726	42,229	49,773	68,595	140,457	∞	∞	∞	∞
	23,788	23,312	21,548	19,322	16,978	14,374	12,081	9,576	7,703
15	17,193	17,446	18,572	20,616	24,222	32,989	60,946	∞	∞
	13,316	13,170	12,605	11,833	10,937	9,826	8,729	7,377	6,243
10	10,897	10,995	11,417	12,133	13,256	15,427	19,466	35,048	2305,288
	9,245	9,177	8,908	8,527	8,066	7,463	6,831	5,998	5,247
8	8,549	8,608	8,858	9,272	9,897	11,027	12,891	18,079	35,805
	7,521	7,477	7,301	7,050	6,739	6,323	5,873	5,260	4,686
6	6,290	6,321	6,449	6,656	6,959	7,475	8,250	10,011	13,572
	5,737	5,712	5,614	5,470	5,288	5,038	4,760	4,364	3,976
5	5,193	5,213	5,297	5,431	5,624	5,944	6,406	7,379	9,073
	4,822	4,805	4,737	4,638	4,511	4,334	4,133	3,840	3,545
4	4,116	4,128	4,178	4,256	4,368	4,548	4,799	5,295	6,064
	3,891	3,881	3,838	3,776	3,696	3,582	3,450	3,254	3,049
3	3,059	3,065	3,090	3,129	3,183	3,270	3,386	3,603	3,909
	2,944	2,938	2,916	2,883	2,840	2,778	2,705	2,592	2,471
2	2,021	2,024	2,032	2,046	2,065	2,095	2,133	2,201	2,291
	1,979	1,977	1,969	1,956	1,940	1,916	1,887	1,841	1,789
1,5	1,510	1,511	1,515	1,521	1,529	1,542	1,559	1,587	1,624
	1,491	1,490	1,486	1,480	1,472	1,461	1,447	1,425	1,400
1,25	1,256	1,256	1,258	1,262	1,267	1,274	1,283	1,299	1,319
	1,245	1,244	1,242	1,239	1,234	1,228	1,220	1,206	1,191
1,167	1,171	1,171	1,173	1,176	1,180	1,186	1,193	1,205	1,221
	1,162	1,162	1,160	1,158	1,154	1,149	1,142	1,132	1,120

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	145,233	131,714	95,622	67,597	48,595	34,228	25,048	17,383	12,779
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	101,566	109,403	159,479	527,255	∞	∞	∞	∞	∞
	42,659	41,430	37,097	32,027	27,089	22,019	17,872	13,646	10,674
30	37,561	38,566	43,279	53,181	76,889	236,824	∞	∞	∞
	25,001	24,580	23,011	20,984	18,777	16,229	13,891	11,231	9,164
15	16,618	16,805	17,614	19,007	21,275	25,967	36,002	104,006	∞
	13,677	13,554	13,079	12,419	11,636	10,634	9,608	8,293	7,141
10	10,670	10,744	11,058	11,572	12,347	13,739	16,023	22,290	42,765
	9,413	9,357	9,135	8,818	8,429	7,907	7,343	6,572	5,849
8	8,412	8,457	8,645	8,948	9,392	10,155	11,316	14,029	19,857
	7,629	7,593	7,450	7,243	6,985	6,631	6,239	5,687	5,149
6	6,218	6,242	6,339	6,494	6,714	7,078	7,598	8,676	10,497
	5,798	5,778	5,698	5,581	5,433	5,225	4,989	4,643	4,292
5	5,145	5,161	5,225	5,326	5,468	5,698	6,018	6,648	7,626
	4,863	4,850	4,795	4,715	4,613	4,467	4,299	4,048	3,787
4	4,087	4,097	4,135	4,194	4,277	4,409	4,587	4,924	5,410
	3,917	3,908	3,875	3,825	3,761	3,668	3,560	3,395	3,219
3	3,044	3,049	3,068	3,098	3,139	3,203	3,287	3,440	3,648
	2,957	2,953	2,935	2,909	2,875	2,826	2,766	2,674	2,573
2	2,016	2,018	2,024	2,035	2,049	2,071	2,100	2,149	2,213
	1,984	1,983	1,976	1,967	1,954	1,935	1,912	1,876	1,834
1,5	1,507	1,508	1,511	1,516	1,522	1,531	1,544	1,565	1,591
	1,493	1,492	1,489	1,485	1,479	1,470	1,460	1,443	1,423
1,25	1,254	1,254	1,256	1,259	1,262	1,268	1,274	1,286	1,300
	1,246	1,246	1,244	1,241	1,238	1,233	1,227	1,217	1,205
1,167	1,170	1,170	1,172	1,174	1,176	1,181	1,186	1,195	1,206
	1,163	1,163	1,162	1,160	1,157	1,153	1,148	1,140	1,131

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	227,441	205,539	148,080	104,202	74,701	52,487	38,322	26,507	19,414
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	81,164	84,349	100,240	140,213	301,525	∞	∞	∞	∞
	47,633	46,609	42,894	38,297	33,510	28,234	23,612	18,587	14,843
30	34,415	34,966	37,384	41,752	49,512	68,816	135,135	∞	∞
	26,602	26,284	25,079	23,459	21,599	19,310	17,062	14,310	12,014
15	15,993	16,107	16,585	17,365	18,535	20,631	24,056	33,380	63,126
	14,127	14,039	13,699	13,216	12,623	11,830	10,973	9,799	8,697
10	10,417	10,464	10,657	10,963	11,402	12,136	13,205	15,504	19,665
	9,617	9,577	9,423	9,199	8,917	8,526	8,086	7,449	6,814
8	8,258	8,287	8,404	8,588	8,849	9,273	9,868	11,063	12,971
	7,759	7,734	7,635	7,491	7,308	7,049	6,753	6,313	5,861
6	6,138	6,153	6,215	6,311	6,444	6,656	6,944	7,489	8,279
	5,869	5,855	5,801	5,721	5,618	5,470	5,297	5,034	4,753
5	5,092	5,102	5,143	5,206	5,293	5,431	5,614	5,952	6,422
	4,912	4,902	4,866	4,811	4,740	4,638	4,517	4,331	4,128
4	4,056	4,062	4,086	4,124	4,175	4,256	4,362	4,552	4,806
	3,946	3,941	3,918	3,884	3,840	3,777	3,700	3,580	3,448
3	3,028	3,031	3,044	3,063	3,089	3,128	3,180	3,271	3,388
	2,972	2,969	2,958	2,940	2,917	2,883	2,843	2,777	2,704
2	2,010	2,011	2,016	2,023	2,032	2,046	2,064	2,094	2,133
	1,990	1,989	1,985	1,978	1,970	1,957	1,941	1,916	1,887
1,5	1,505	1,505	1,507	1,510	1,514	1,520	1,528	1,541	1,558
	1,495	1,495	1,493	1,490	1,486	1,480	1,473	1,462	1,448
1,25	1,253	1,253	1,254	1,256	1,258	1,261	1,266	1,273	1,282
	1,247	1,247	1,246	1,244	1,242	1,239	1,235	1,228	1,220
1,167	1,169	1,169	1,170	1,171	1,173	1,176	1,179	1,185	1,192
	1,165	1,164	1,164	1,162	1,160	1,158	1,155	1,149	1,143

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	356,968	322,354	231,942	163,083	116,824	82,001	59,799	41,281	30,165
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	71,932	73,507	80,612	94,389	122,414	221,488	∞	∞	∞
	51,484	50,711	47,825	44,051	39,856	34,882	30,189	24,687	20,286
30	32,666	32,981	34,317	36,551	40,044	46,779	59,306	107,680	8550,349
	27,742	27,520	26,661	25,464	24,026	22,152	20,191	17,608	15,281
15	15,617	15,686	15,972	16,424	17,072	18,150	19,713	23,041	28,960
	14,432	14,373	14,143	13,810	13,389	12,805	12,145	11,189	10,231
10	10,261	10,290	10,408	10,592	10,849	11,260	11,822	12,903	14,508
	9,752	9,727	9,624	9,474	9,280	9,005	8,684	8,199	7,689
8	8,162	8,180	8,253	8,365	8,520	8,765	9,093	9,702	10,558
	7,845	7,828	7,763	7,668	7,544	7,365	7,154	6,830	6,480
6	6,087	6,096	6,135	6,194	6,275	6,401	6,567	6,865	7,263
	5,916	5,907	5,872	5,819	5,750	5,650	5,530	5,343	5,135
5	5,058	5,064	5,090	5,129	5,183	5,265	5,373	5,563	5,813
	4,943	4,937	4,914	4,878	4,831	4,763	4,680	4,550	4,403
4	4,035	4,039	4,054	4,078	4,110	4,159	4,222	4,332	4,474
	3,966	3,962	3,947	3,926	3,897	3,855	3,803	3,721	3,628
3	3,018	3,020	3,028	3,040	3,056	3,080	3,111	3,165	3,233
	2,982	2,981	2,973	2,962	2,947	2,925	2,898	2,854	2,804
2	2,006	2,007	2,010	2,014	2,020	2,029	2,040	2,058	2,081
	1,994	1,993	1,990	1,986	1,981	1,973	1,962	1,946	1,927
1,5	1,503	1,503	1,504	1,506	1,509	1,513	1,517	1,525	1,535
	1,497	1,497	1,496	1,494	1,491	1,488	1,483	1,476	1,467
1,417	1,419	1,419	1,420	1,422	1,424	1,427	1,431	1,438	1,446
	1,414	1,414	1,413	1,411	1,409	1,406	1,403	1,396	1,389
1,333	1,335	1,336	1,336	1,338	1,339	1,342	1,345	1,351	1,358
	1,331	1,331	1,330	1,329	1,327	1,325	1,322	1,317	1,310

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	508,900	459,388	330,044	231,780	165,899	116,358	84,792	58,470	42,672
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	67,892	68,871	73,121	80,630	93,476	122,953	203,417	∞	∞
	53,763	53,168	50,896	47,820	44,253	39,805	35,373	29,856	25,173
30	31,819	32,029	32,904	34,319	36,414	40,098	45,925	60,697	99,256
	28,381	28,217	27,574	26,660	25,531	24,009	22,347	20,045	17,851
15	15,427	15,474	15,669	15,972	16,397	17,080	18,022	19,855	22,637
	14,597	14,555	14,388	14,143	13,829	13,385	12,869	12,095	11,285
10	10,181	10,201	10,283	10,408	10,581	10,851	11,211	11,870	12,777
	9,825	9,807	9,733	9,624	9,483	9,278	9,036	8,660	8,250
8	8,113	8,125	8,175	8,252	8,357	8,521	8,735	9,120	9,631
	7,891	7,879	7,833	7,764	7,674	7,543	7,386	7,139	6,865
6	6,060	6,067	6,094	6,134	6,190	6,275	6,386	6,579	6,830
	5,941	5,935	5,909	5,872	5,822	5,750	5,662	5,522	5,364
5	5,040	5,045	5,063	5,090	5,126	5,183	5,255	5,381	5,541
	4,960	4,956	4,939	4,914	4,880	4,831	4,771	4,675	4,565
4	4,024	4,027	4,038	4,054	4,076	4,109	4,152	4,226	4,319
	3,976	3,973	3,963	3,948	3,927	3,897	3,860	3,800	3,731
3	3,012	3,014	3,019	3,027	3,038	3,055	3,077	3,113	3,158
	2,988	2,986	2,981	2,973	2,963	2,947	2,928	2,896	2,860
2,5	2,508	2,509	2,512	2,517	2,524	2,535	2,549	2,572	2,600
	2,492	2,491	2,488	2,483	2,476	2,466	2,454	2,433	2,409
2	2,004	2,005	2,007	2,010	2,014	2,020	2,027	2,040	2,055
	1,996	1,995	1,993	1,990	1,987	1,981	1,974	1,962	1,949
1,833	1,837	1,837	1,839	1,841	1,844	1,849	1,855	1,864	1,876
	1,830	1,830	1,828	1,826	1,823	1,818	1,813	1,804	1,793
1,667	1,669	1,670	1,671	1,672	1,675	1,678	1,683	1,690	1,699
	1,664	1,664	1,663	1,661	1,659	1,655	1,651	1,644	1,636

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	797,962	720,612	517,852	363,602	260,168	182,389	132,832	91,509	66,707
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	64,806	65,369	67,748	71,688	77,733	89,021	108,824	173,274	605,325
	55,863	55,452	53,854	51,611	48,893	45,316	41,525	36,455	31,814
30	31,137	31,264	31,790	32,618	33,796	35,736	38,506	44,240	53,915
	28,944	28,836	28,404	27,777	26,982	25,872	24,609	22,762	20,888
20	20,491	20,545	20,768	21,112	21,592	22,355	23,392	25,357	28,214
	19,532	19,484	19,289	19,002	18,632	18,104	17,486	16,546	15,548
15	15,270	15,300	15,421	15,607	15,863	16,265	16,798	17,772	19,107
	14,740	14,712	14,602	14,440	14,229	13,923	13,560	12,997	12,382
10	10,116	10,128	10,179	10,258	10,364	10,529	10,742	11,119	11,611
	9,887	9,875	9,827	9,756	9,662	9,525	9,359	9,095	8,799
8	8,072	8,080	8,112	8,160	8,226	8,326	8,456	8,682	8,971
	7,929	7,922	7,892	7,847	7,787	7,700	7,594	7,424	7,230
7	7,054	7,060	7,084	7,120	7,169	7,244	7,340	7,507	7,718
	6,947	6,941	6,918	6,884	6,840	6,773	6,692	6,562	6,413
6	6,039	6,043	6,060	6,086	6,121	6,174	6,242	6,359	6,506
	5,962	5,958	5,941	5,917	5,885	5,837	5,778	5,683	5,573
5,5	5,532	5,535	5,549	5,571	5,600	5,643	5,699	5,795	5,915
	5,468	5,465	5,452	5,431	5,404	5,364	5,316	5,236	5,145
5	5,026	5,029	5,040	5,057	5,081	5,116	5,161	5,238	5,334
	4,974	4,972	4,961	4,944	4,922	4,890	4,850	4,785	4,710
4	4,016	4,017	4,024	4,035	4,049	4,070	4,097	4,142	4,199
	3,984	3,983	3,976	3,966	3,953	3,933	3,908	3,868	3,822
3	3,008	3,009	3,012	3,018	3,025	3,035	3,049	3,072	3,100
	2,992	2,991	2,988	2,983	2,976	2,966	2,953	2,932	2,908
2	2,003	2,003	2,004	2,006	2,009	2,013	2,017	2,025	2,035
	1,997	1,997	1,996	1,994	1,991	1,988	1,983	1,976	1,967

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APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	1419,961	1278,215	914,095	640,553	457,894	320,770	233,465	160,692	117,022
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	62,616	62,921	64,167	66,132	68,949	73,662	80,555	95,470	122,828
	57,595	57,340	56,346	54,917	53,122	50,640	47,849	43,829	39,824
30	30,632	30,704	30,994	31,440	32,055	33,025	34,326	36,742	40,140
	29,394	29,328	29,069	28,689	28,197	27,491	26,657	25,376	23,996
20	20,275	20,306	20,431	20,622	20,881	21,283	21,809	22,747	23,989
	19,732	19,703	19,587	19,416	19,192	18,867	18,475	17,858	17,172
15	15,152	15,169	15,238	15,342	15,484	15,701	15,981	16,473	17,105
	14,851	14,834	14,770	14,673	14,547	14,361	14,136	13,777	13,370
10	10,066	10,073	10,102	10,147	10,207	10,298	10,415	10,615	10,867
	9,935	9,928	9,900	9,858	9,802	9,720	9,619	9,456	9,268
8	8,041	8,046	8,064	8,092	8,129	8,185	8,257	8,380	8,533
	7,959	7,955	7,937	7,911	7,875	7,823	7,759	7,655	7,534
7	7,031	7,034	7,048	7,069	7,097	7,139	7,193	7,285	7,398
	6,969	6,966	6,953	6,933	6,906	6,867	6,818	6,739	6,646
6	6,022	6,025	6,035	6,049	6,069	6,100	6,138	6,203	6,283
	5,978	5,976	5,966	5,951	5,932	5,904	5,869	5,811	5,744
5,5	5,518	5,520	5,529	5,541	5,557	5,582	5,614	5,668	5,733
	5,482	5,480	5,472	5,460	5,444	5,420	5,391	5,343	5,287
5	5,015	5,017	5,023	5,033	5,047	5,067	5,092	5,135	5,188
	4,985	4,984	4,977	4,967	4,954	4,935	4,911	4,872	4,826
4	4,009	4,010	4,014	4,020	4,028	4,040	4,056	4,082	4,113
	3,991	3,990	3,986	3,980	3,972	3,961	3,946	3,922	3,894
3	3,005	3,005	3,007	3,010	3,014	3,020	3,028	3,041	3,057
	2,995	2,995	2,993	2,990	2,986	2,980	2,972	2,960	2,946
2,5	2,503	2,503	2,505	2,506	2,509	2,513	2,518	2,526	2,536
	2,497	2,497	2,496	2,494	2,491	2,487	2,483	2,475	2,465

APERTURE	T 1.80	T 2.00	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	2612,642	2369,418	1715,268	1209,227	866,763	608,031	442,786	304,832	221,981
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	61,377	61,522	62,124	63,059	64,358	66,417	69,190	74,376	81,746
	58,684	58,552	58,019	57,228	56,202	54,728	52,990	50,329	47,472
30	30,332	30,367	30,509	30,727	31,025	31,485	32,079	33,125	34,475
	29,675	29,642	29,508	29,307	29,042	28,653	28,181	27,428	26,577
20	20,143	20,158	20,219	20,313	20,439	20,633	20,880	21,307	21,845
	19,859	19,844	19,785	19,697	19,580	19,406	19,194	18,850	18,454
15	15,079	15,087	15,120	15,171	15,240	15,344	15,477	15,705	15,988
	14,922	14,914	14,882	14,833	14,768	14,672	14,553	14,359	14,134
10	10,033	10,037	10,051	10,072	10,101	10,144	10,199	10,293	10,408
	9,967	9,964	9,950	9,929	9,901	9,860	9,809	9,725	9,626
8	8,020	8,022	8,031	8,044	8,062	8,089	8,122	8,179	8,249
	7,980	7,978	7,969	7,956	7,939	7,914	7,882	7,830	7,768
7	7,015	7,017	7,023	7,033	7,046	7,066	7,091	7,133	7,184
	6,985	6,983	6,977	6,967	6,955	6,936	6,912	6,873	6,826
6	6,011	6,012	6,016	6,023	6,032	6,046	6,064	6,094	6,130
	5,989	5,988	5,984	5,977	5,968	5,954	5,938	5,910	5,877
5,5	5,509	5,510	5,513	5,519	5,527	5,538	5,552	5,577	5,606
	5,491	5,490	5,487	5,481	5,474	5,463	5,449	5,426	5,399
5	5,007	5,008	5,011	5,015	5,021	5,031	5,042	5,061	5,085
	4,993	4,992	4,989	4,985	4,979	4,970	4,959	4,940	4,918
4,5	4,506	4,506	4,508	4,512	4,517	4,524	4,533	4,548	4,566
	4,495	4,494	4,492	4,488	4,483	4,477	4,468	4,453	4,436
4	4,004	4,005	4,006	4,009	4,013	4,018	4,025	4,036	4,050
	3,996	3,995	3,994	3,991	3,988	3,982	3,976	3,965	3,952
3,25	3,252	3,253	3,254	3,255	3,257	3,261	3,265	3,271	3,280
	3,248	3,247	3,246	3,245	3,243	3,239	3,235	3,229	3,221

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APERTURE	T 2.20	T 2.80	T 4.00	T 5.60	T 8.00	T11.00	T16.00	T22.00
HYPERFOCAL DISTANCE	4675,969	3709,722	2618,442	1877,850	1317,540	959,441	660,383	480,749
OBJECT DISTANCE	FAR	FAR	FAR	FAR	FAR	FAR	FAR	FAR
	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR	NEAR
60	60,759	60,960	61,370	61,929	62,788	63,900	65,846	68,348
	59,260	59,070	58,691	58,190	57,454	56,558	55,125	53,501
30	30,183	30,232	30,329	30,461	30,662	30,918	31,354	31,895
	29,819	29,772	29,678	29,553	29,367	29,137	28,763	28,326
20	20,079	20,100	20,142	20,198	20,284	20,393	20,576	20,801
	19,922	19,901	19,860	19,806	19,724	19,623	19,457	19,262
15	15,043	15,055	15,077	15,108	15,155	15,214	15,313	15,434
	14,957	14,946	14,923	14,893	14,849	14,793	14,701	14,592
10	10,018	10,023	10,032	10,045	10,065	10,089	10,130	10,180
	9,982	9,977	9,968	9,955	9,936	9,913	9,874	9,827
8	8,011	8,014	8,020	8,028	8,040	8,055	8,080	8,110
	7,989	7,986	7,980	7,973	7,961	7,946	7,922	7,894
7	7,008	7,010	7,015	7,021	7,029	7,040	7,059	7,081
	6,992	6,990	6,985	6,980	6,971	6,960	6,942	6,921
6	6,006	6,007	6,010	6,014	6,021	6,028	6,041	6,057
	5,994	5,993	5,990	5,986	5,980	5,972	5,959	5,944
5,5	5,505	5,506	5,508	5,512	5,517	5,523	5,534	5,547
	5,495	5,494	5,492	5,488	5,483	5,477	5,467	5,454
5	5,004	5,005	5,007	5,009	5,013	5,019	5,027	5,037
	4,996	4,995	4,993	4,991	4,987	4,982	4,973	4,964
4,5	4,503	4,504	4,505	4,507	4,510	4,514	4,521	4,529
	4,497	4,496	4,495	4,493	4,490	4,486	4,479	4,472
4,25	4,253	4,253	4,255	4,256	4,259	4,263	4,268	4,275
	4,247	4,247	4,245	4,244	4,241	4,238	4,232	4,225
4	4,002	4,003	4,004	4,005	4,008	4,011	4,016	4,022
	3,998	3,997	3,996	3,995	3,992	3,989	3,985	3,979