



Cooke Lenses

Depth of Field Tables

PANCHRO/i®

Classic



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PANCHRO/پانچرو
Classic

18mm

Metric

Hs(m)	Hyperfocal Setting							
	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
	6.542	5.109	3.639	2.600	1.865	1.346	0.979	0.719

PANCHRO/®
Classic

21mm

Metric

Hs(m)	U Metres	Hyperfocal Setting							
		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
		8.986	7.010	4.983	3.550	2.536	1.820	1.313	0.955
Depth of Field									
		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
0.2	N F	0.199 0.201	0.198 0.202	0.198 0.203	0.197 0.204	0.195 0.205	0.193 0.208	0.191 0.211	0.187 0.217
0.25	N F	0.247 0.253	0.246 0.254	0.245 0.256	0.243 0.258	0.240 0.262	0.236 0.267	0.231 0.275	0.224 0.288
0.3	N F	0.295 0.305	0.294 0.307	0.291 0.310	0.288 0.314	0.283 0.321	0.276 0.330	0.268 0.345	0.258 0.371
0.35	N F	0.342 0.358	0.340 0.360	0.336 0.365	0.331 0.372	0.324 0.382	0.315 0.398	0.303 0.423	0.288 0.467
0.4	N F	0.389 0.412	0.386 0.415	0.381 0.422	0.374 0.431	0.364 0.447	0.352 0.470	0.336 0.509	0.316 0.580
0.45	N F	0.436 0.466	0.432 0.470	0.425 0.479	0.415 0.493	0.403 0.514	0.386 0.548	0.366 0.606	0.341 0.717
0.5	N F	0.482 0.520	0.477 0.526	0.468 0.538	0.456 0.557	0.440 0.585	0.420 0.631	0.395 0.714	0.365 0.883
0.6	N F	0.572 0.632	0.564 0.641	0.551 0.661	0.533 0.690	0.510 0.738	0.482 0.819	0.447 0.975	0.407 1.356
0.7	N F	0.660 0.746	0.650 0.760	0.631 0.789	0.607 0.833	0.576 0.907	0.538 1.040	0.494 1.323	0.443 2.201
0.8	N F	0.747 0.863	0.733 0.883	0.709 0.923	0.677 0.987	0.638 1.096	0.590 1.305	0.535 1.806	0.475 4.136
1	N F	0.915 1.105	0.893 1.140	0.856 1.211	0.808 1.330	0.750 1.548	0.683 2.029	0.607 3.699	0.528 INF
1.2	N F	1.076 1.360	1.045 1.415	0.993 1.530	0.928 1.732	0.850 2.136	0.762 3.221	0.667 12.295	0.570 INF
1.5	N F	1.306 1.768	1.259 1.865	1.182 2.077	1.089 2.482	0.980 3.444	0.862 7.808	0.739 INF	0.619 INF
2	N F	1.660 2.526	1.584 2.734	1.461 3.234	1.317 4.377	1.158 8.877	0.992 INF	0.829 INF	0.678 INF
3	N F	2.280 4.423	2.135 5.125	1.910 7.299	1.665 18.518	1.413 INF	1.168 INF	0.943 INF	0.748 INF
5	N F	3.250 11.071	2.957 17.046	2.535 INF	2.113 INF	1.715 INF	1.361 INF	1.060 INF	0.816 INF
10	N F	4.772 INF	4.158 INF	3.358 INF	2.646 INF	2.043 INF	1.553 INF	1.169 INF	0.875 INF
Infinity	N F	8.976 INF	6.999 INF	4.972 INF	3.539 INF	2.525 INF	1.809 INF	1.302 INF	0.944 INF

PANCHRO/®
Classic

25mm

Metric

Hs(m)	U Metres	Hyperfocal Setting							
		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
		12.068	9.405	6.675	4.744	3.379	2.413	1.731	1.248
Depth of Field									
		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
0.175	N F	0.174 0.176	0.174 0.176	0.174 0.176	0.173 0.177	0.172 0.178	0.171 0.179	0.170 0.181	0.168 0.183
0.2	N F	0.199 0.201	0.198 0.202	0.198 0.202	0.197 0.203	0.196 0.205	0.194 0.207	0.192 0.209	0.189 0.214
0.225	N F	0.223 0.227	0.223 0.227	0.222 0.228	0.221 0.230	0.219 0.232	0.216 0.235	0.213 0.239	0.209 0.246
0.25	N F	0.248 0.252	0.247 0.253	0.246 0.255	0.244 0.257	0.241 0.259	0.238 0.264	0.234 0.270	0.228 0.280
0.275	N F	0.272 0.278	0.271 0.279	0.269 0.281	0.267 0.284	0.264 0.288	0.260 0.293	0.254 0.302	0.246 0.315
0.3	N F	0.296 0.304	0.295 0.305	0.293 0.308	0.290 0.311	0.286 0.316	0.281 0.324	0.273 0.335	0.264 0.353
0.35	N F	0.344 0.356	0.342 0.358	0.339 0.362	0.335 0.367	0.329 0.375	0.321 0.386	0.311 0.405	0.298 0.434
0.4	N F	0.391 0.409	0.389 0.412	0.385 0.417	0.379 0.424	0.371 0.435	0.360 0.452	0.347 0.479	0.329 0.525
0.5	N F	0.486 0.516	0.482 0.520	0.474 0.529	0.465 0.543	0.452 0.563	0.435 0.595	0.413 0.647	0.386 0.743
0.6	N F	0.578 0.624	0.572 0.631	0.561 0.645	0.547 0.667	0.528 0.699	0.503 0.753	0.473 0.845	0.437 1.029
0.7	N F	0.669 0.734	0.661 0.745	0.646 0.765	0.626 0.797	0.600 0.846	0.568 0.929	0.528 1.081	0.481 1.419
0.8	N F	0.759 0.847	0.748 0.861	0.728 0.890	0.702 0.934	0.669 1.005	0.628 1.127	0.578 1.369	0.521 1.984
1	N F	0.934 1.077	0.916 1.102	0.886 1.151	0.847 1.229	0.797 1.361	0.737 1.609	0.667 2.179	0.589 4.480
1.1	N F	1.019 1.196	0.998 1.227	0.962 1.289	0.915 1.389	0.857 1.563	0.786 1.904	0.706 2.777	0.619 8.260
1.2	N F	1.103 1.317	1.079 1.354	1.036 1.432	0.981 1.558	0.913 1.783	0.833 2.249	0.742 3.601	0.646 27.808
1.3	N F	1.186 1.440	1.158 1.485	1.108 1.580	1.045 1.737	0.968 2.025	0.877 2.655	0.776 4.808	0.670 INF
1.4	N F	1.268 1.565	1.235 1.620	1.178 1.734	1.106 1.927	1.020 2.291	0.919 3.142	0.808 6.745	0.693 INF
1.5	N F	1.349 1.692	1.311 1.757	1.247 1.893	1.166 2.128	1.069 2.585	0.958 3.735	0.838 10.362	0.714 INF
1.6	N F	1.428 1.822	1.385 1.898	1.313 2.059	1.224 2.342	1.117 2.913	0.996 4.474	0.865 19.522	0.733 INF
1.8	N F	1.583 2.090	1.530 2.192	1.442 2.412	1.334 2.814	1.207 3.692	1.065 6.677	0.916 INF	0.768 INF
2	N F	1.733 2.369	1.670 2.501	1.565 2.795	1.437 3.355	1.289 4.698	1.128 11.011	0.961 INF	0.798 INF
2.2	N F	1.880 2.658	1.805 2.828	1.682 3.212	1.534 3.980	1.366 6.046	1.185 23.481	1.001 INF	0.824 INF
2.5	N F	2.092 3.115	1.999 3.353	1.847 3.912	1.669 5.128	1.471 9.217	1.261 INF	1.053 INF	0.859 INF
3	N F	2.426 3.945	2.301 4.338	2.100 5.333	1.871 7.919	1.623 25.678	1.370 INF	1.126 INF	0.904 INF
4	N F	3.031 5.912	2.836 6.855	2.534 9.771	2.204 24.756	1.864 INF	1.534 INF	1.232 INF	0.969 INF
5	N F	3.565 8.436	3.297 10.514	2.892 19.511	2.468 INF	2.047 INF	1.653 INF	1.305 INF	1.012 INF
7	N F	4.463 16.473	4.047 26.964	3.450 INF	2.858 INF	2.305 INF	1.814 INF	1.401 INF	1.067 INF
10	N F	5.503 57.673	4.880 INF	4.033 INF	3.243 INF	2.545 INF	1.957 INF	1.483 INF	1.112 INF
20	N F	7.556 INF	6.422 INF	5.024 INF	3.848 INF	2.897 INF	2.155 INF	1.590 INF	1.169 INF
Infinity	N F	12.053 INF	9.390 INF	6.659 INF	4.729 INF	3.363 INF	2.398 INF	1.715 INF	1.232 INF

PANCHRO/®
Classic

27mm

Metric

PANCHRO/®
Classic

32mm

Metric

Hs(m)	U Metres	Hyperfocal Setting							
		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
		19.582	15.244	10.797	7.652	5.428	3.856	2.744	1.958
Depth of Field									
		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
0.225	N F	0.224 0.227	0.223 0.227	0.222 0.228	0.221 0.229	0.220 0.231	0.218 0.233	0.215 0.237	0.211 0.242
0.25	N F	0.248 0.252	0.247 0.253	0.246 0.254	0.245 0.255	0.243 0.258	0.240 0.261	0.236 0.266	0.231 0.273
0.275	N F	0.272 0.278	0.272 0.278	0.270 0.280	0.269 0.282	0.266 0.285	0.263 0.289	0.258 0.295	0.251 0.305
0.3	N F	0.297 0.303	0.296 0.304	0.294 0.306	0.292 0.308	0.289 0.312	0.285 0.317	0.279 0.325	0.271 0.338
0.325	N F	0.321 0.329	0.320 0.330	0.318 0.332	0.315 0.335	0.312 0.340	0.306 0.346	0.299 0.356	0.290 0.371
0.35	N F	0.345 0.355	0.344 0.356	0.342 0.359	0.339 0.362	0.334 0.368	0.328 0.376	0.320 0.388	0.309 0.406
0.375	N F	0.370 0.380	0.368 0.382	0.365 0.385	0.362 0.390	0.356 0.396	0.349 0.405	0.340 0.420	0.327 0.442
0.4	N F	0.394 0.406	0.392 0.408	0.389 0.412	0.385 0.417	0.379 0.424	0.370 0.436	0.359 0.453	0.345 0.479
0.45	N F	0.442 0.458	0.440 0.461	0.436 0.466	0.430 0.472	0.422 0.482	0.412 0.497	0.398 0.520	0.380 0.557
0.5	N F	0.490 0.511	0.487 0.514	0.482 0.520	0.475 0.528	0.465 0.541	0.452 0.561	0.435 0.591	0.413 0.640
0.55	N F	0.537 0.563	0.534 0.567	0.528 0.575	0.519 0.585	0.507 0.602	0.491 0.626	0.471 0.665	0.445 0.729
0.6	N F	0.585 0.616	0.581 0.621	0.573 0.630	0.563 0.643	0.549 0.663	0.530 0.694	0.506 0.742	0.475 0.825
0.7	N F	0.679 0.723	0.673 0.729	0.663 0.742	0.648 0.761	0.629 0.790	0.604 0.835	0.572 0.909	0.533 1.040
0.8	N F	0.772 0.830	0.765 0.839	0.751 0.857	0.732 0.883	0.707 0.922	0.675 0.986	0.635 1.092	0.586 1.291
0.9	N F	0.864 0.939	0.855 0.951	0.837 0.973	0.814 1.008	0.783 1.061	0.743 1.146	0.694 1.295	0.635 1.590
1	N F	0.956 1.049	0.944 1.064	0.922 1.093	0.894 1.137	0.856 1.205	0.809 1.319	0.750 1.522	0.681 1.952
1.1	N F	1.046 1.160	1.032 1.178	1.006 1.214	0.972 1.269	0.927 1.356	0.871 1.503	0.803 1.776	0.723 2.398
1.2	N F	1.136 1.272	1.119 1.295	1.088 1.339	1.048 1.406	0.996 1.515	0.931 1.702	0.853 2.064	0.763 2.962
1.4	N F	1.312 1.501	1.289 1.532	1.249 1.595	1.195 1.693	1.127 1.855	1.044 2.147	0.946 2.767	0.835 4.697
1.6	N F	1.486 1.734	1.456 1.777	1.404 1.862	1.336 1.999	1.251 2.231	1.148 2.672	1.029 3.716	0.899 8.376
1.8	N F	1.656 1.973	1.619 2.029	1.554 2.142	1.471 2.326	1.368 2.649	1.245 3.299	1.106 5.067	0.956 21.410
2	N F	1.822 2.217	1.777 2.288	1.699 2.434	1.600 2.676	1.478 3.115	1.335 4.061	1.176 7.146	1.007 INF
2.5	N F	2.226 2.852	2.159 2.973	2.043 3.226	1.900 3.670	1.730 4.559	1.535 6.951	1.326 27.292	1.113 INF
3	N F	2.612 3.526	2.519 3.713	2.363 4.120	2.172 4.877	1.951 6.599	1.706 13.220	1.450 INF	1.198 INF
4	N F	3.334 5.004	3.183 5.391	2.935 6.302	2.645 8.285	2.322 14.964	1.980 INF	1.642 INF	1.324 INF
5	N F	3.997 6.684	3.781 7.397	3.435 9.237	3.043 14.263	2.620 62.451	2.192 INF	1.783 INF	1.413 INF
7	N F	5.173 10.845	4.815 12.869	4.265 19.746	3.674 81.246	3.073 INF	2.498 INF	1.977 INF	1.531 INF
10	N F	6.638 20.344	6.057 28.903	5.209 134.469	4.350 INF	3.529 INF	2.789 INF	2.154 INF	1.633 INF
20	N F	9.912 INF	8.666 INF	7.023 INF	5.541 INF	4.270 INF	3.228 INF	2.404 INF	1.770 INF
Infinity	N F	19.558 INF	15.220 INF	10.773 INF	7.628 INF	5.404 INF	3.831 INF	2.719 INF	1.933 INF

PANCHRO/;
Classic

40mm

Metric

PANCHRO/®
Classic

75mm

Metric

Hs(m)	U Metres	Hyperfocal Setting							
		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
		108.988	84.802	60.002	42.468	30.067	21.299	15.099	10.715
Depth of Field									
		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
0.7	N F	0.697 0.703	0.696 0.704	0.694 0.706	0.692 0.708	0.689 0.712	0.684 0.717	0.678 0.724	0.669 0.735
0.75	N F	0.746 0.754	0.745 0.755	0.743 0.757	0.740 0.760	0.737 0.764	0.731 0.770	0.724 0.779	0.713 0.791
0.8	N F	0.796 0.804	0.794 0.806	0.792 0.808	0.789 0.811	0.784 0.816	0.778 0.823	0.769 0.833	0.758 0.848
0.85	N F	0.845 0.855	0.844 0.857	0.841 0.859	0.837 0.863	0.832 0.869	0.825 0.877	0.815 0.889	0.801 0.906
0.9	N F	0.894 0.906	0.893 0.907	0.890 0.911	0.885 0.915	0.880 0.922	0.871 0.931	0.860 0.944	0.845 0.964
0.95	N F	0.944 0.957	0.942 0.958	0.938 0.962	0.934 0.967	0.927 0.974	0.918 0.985	0.905 1.000	0.888 1.023
1	N F	0.993 1.007	0.991 1.010	0.987 1.014	0.982 1.019	0.974 1.027	0.964 1.039	0.950 1.057	0.930 1.082
1.1	N F	1.091 1.109	1.088 1.112	1.084 1.117	1.077 1.124	1.068 1.134	1.055 1.149	1.038 1.171	1.014 1.203
1.2	N F	1.189 1.211	1.186 1.214	1.180 1.220	1.172 1.229	1.161 1.242	1.146 1.260	1.125 1.286	1.097 1.326
1.3	N F	1.287 1.313	1.283 1.317	1.277 1.324	1.267 1.335	1.254 1.350	1.236 1.372	1.211 1.404	1.178 1.452
1.4	N F	1.385 1.416	1.380 1.420	1.373 1.429	1.361 1.441	1.346 1.459	1.325 1.484	1.297 1.523	1.258 1.581
1.5	N F	1.482 1.518	1.477 1.523	1.468 1.533	1.455 1.548	1.438 1.568	1.414 1.599	1.381 1.644	1.337 1.712
1.6	N F	1.580 1.621	1.574 1.627	1.563 1.638	1.549 1.655	1.529 1.679	1.501 1.714	1.464 1.766	1.414 1.846
1.8	N F	1.774 1.827	1.767 1.835	1.753 1.849	1.735 1.871	1.709 1.902	1.674 1.948	1.627 2.017	1.565 2.124
2	N F	1.967 2.034	1.958 2.043	1.942 2.062	1.919 2.089	1.887 2.128	1.844 2.187	1.786 2.275	1.711 2.414
2.2	N F	2.160 2.241	2.149 2.253	2.129 2.276	2.101 2.309	2.063 2.358	2.011 2.431	1.942 2.542	1.852 2.718
2.5	N F	2.448 2.554	2.434 2.570	2.408 2.600	2.371 2.644	2.322 2.709	2.256 2.806	2.168 2.957	2.056 3.201
3	N F	2.925 3.079	2.904 3.103	2.866 3.147	2.814 3.213	2.744 3.311	2.651 3.460	2.529 3.695	2.376 4.091
3.5	N F	3.397 3.610	3.369 3.642	3.317 3.705	3.247 3.797	3.153 3.935	3.029 4.150	2.870 4.497	2.672 5.104
4	N F	3.865 4.145	3.828 4.188	3.762 4.272	3.671 4.395	3.550 4.584	3.393 4.880	3.193 5.371	2.948 6.268
5	N F	4.789 5.231	4.732 5.301	4.629 5.437	4.492 5.641	4.310 5.958	4.078 6.474	3.790 7.380	3.447 9.207
6	N F	5.697 6.338	5.616 6.442	5.471 6.645	5.278 6.955	5.028 7.447	4.713 8.277	4.330 9.830	3.885 13.393
7	N F	6.589 7.467	6.480 7.612	6.287 7.899	6.033 8.343	5.707 9.065	5.302 10.332	4.820 12.885	4.272 19.833
8	N F	7.465 8.618	7.326 8.813	7.079 9.201	6.757 9.811	6.349 10.830	5.851 12.697	5.267 16.801	4.618 31.018
10	N F	9.175 10.990	8.963 11.311	8.595 11.961	8.123 13.020	7.538 14.887	6.842 18.682	6.054 29.242	5.208 147.270
12	N F	10.827 13.460	10.533 13.946	10.026 14.951	9.388 16.650	8.613 19.843	7.714 27.241	6.723 57.744	5.693 INF
15	N F	13.206 17.363	12.770 18.181	12.030 19.935	11.119 23.086	10.045 29.744	8.839 50.274	7.559 2265.712	6.278 INF
20	N F	16.924 24.451	16.212 26.113	15.034 29.903	13.634 37.633	12.049 59.361	10.350 325.168	8.632 INF	6.996 INF
50	N F	34.312 92.220	31.492 121.564	27.310 299.010	22.995 INF	18.799 INF	14.947 INF	11.596 INF	8.811 INF
Infinity	N F	108.926 INF	84.740 INF	59.940 INF	42.406 INF	30.005 INF	21.237 INF	15.037 INF	10.653 INF

PANCHRO/⁸⁵
Classic

100mm

Metric

Hs(m)	U	Hyperfocal Setting						
		T/2.6	T/4	T/5.6	T/8	T/11	T/16	T/22
		157.813	102.645	72.640	51.418	36.414	25.804	18.302
Depth of Field								
Metres		T/2.6	T/4	T/5.6	T/8	T/11	T/16	T/22
0.6	N	0.599	0.598	0.597	0.596	0.595	0.593	0.590
	F	0.601	0.602	0.603	0.604	0.605	0.607	0.610
0.65	N	0.649	0.648	0.647	0.645	0.644	0.641	0.637
	F	0.651	0.652	0.653	0.655	0.657	0.659	0.663
0.7	N	0.698	0.697	0.696	0.694	0.692	0.689	0.685
	F	0.702	0.703	0.704	0.706	0.708	0.711	0.716
0.75	N	0.748	0.747	0.745	0.743	0.741	0.737	0.732
	F	0.752	0.753	0.755	0.757	0.760	0.764	0.770
0.8	N	0.797	0.796	0.794	0.792	0.789	0.784	0.778
	F	0.803	0.804	0.806	0.808	0.811	0.816	0.823
0.85	N	0.847	0.845	0.843	0.841	0.837	0.832	0.825
	F	0.853	0.855	0.857	0.859	0.863	0.869	0.877
0.9	N	0.897	0.895	0.892	0.889	0.885	0.879	0.871
	F	0.904	0.905	0.908	0.911	0.915	0.922	0.932
0.95	N	0.946	0.944	0.941	0.938	0.933	0.926	0.917
	F	0.954	0.956	0.959	0.962	0.968	0.975	0.986
1	N	0.996	0.993	0.990	0.986	0.981	0.973	0.962
	F	1.005	1.007	1.010	1.014	1.020	1.029	1.041
1.1	N	1.094	1.091	1.088	1.083	1.076	1.066	1.053
	F	1.106	1.109	1.112	1.118	1.125	1.136	1.152
1.2	N	1.193	1.189	1.185	1.179	1.171	1.159	1.143
	F	1.207	1.211	1.215	1.222	1.231	1.244	1.264
1.3	N	1.292	1.287	1.282	1.275	1.265	1.251	1.232
	F	1.308	1.313	1.318	1.326	1.337	1.354	1.377
1.4	N	1.390	1.385	1.379	1.370	1.358	1.342	1.319
	F	1.410	1.415	1.422	1.431	1.444	1.464	1.492
1.5	N	1.489	1.482	1.475	1.465	1.452	1.433	1.406
	F	1.512	1.518	1.526	1.536	1.552	1.575	1.608
1.6	N	1.587	1.580	1.572	1.560	1.544	1.522	1.493
	F	1.613	1.621	1.630	1.642	1.660	1.687	1.726
1.8	N	1.783	1.774	1.763	1.749	1.728	1.700	1.662
	F	1.817	1.827	1.838	1.855	1.879	1.913	1.965
2	N	1.979	1.967	1.954	1.935	1.910	1.875	1.828
	F	2.022	2.034	2.048	2.069	2.099	2.144	2.210
2.2	N	2.174	2.160	2.144	2.121	2.090	2.048	1.991
	F	2.227	2.242	2.260	2.285	2.323	2.378	2.461
2.5	N	2.465	2.447	2.426	2.397	2.357	2.302	2.229
	F	2.536	2.555	2.579	2.613	2.663	2.737	2.850
3	N	2.949	2.923	2.892	2.850	2.792	2.714	2.611
	F	3.053	3.082	3.117	3.168	3.243	3.357	3.532
3.5	N	3.430	3.394	3.352	3.294	3.216	3.112	2.976
	F	3.573	3.613	3.663	3.735	3.842	4.004	4.260
4	N	3.908	3.860	3.805	3.730	3.629	3.496	3.323
	F	4.096	4.150	4.216	4.313	4.458	4.681	5.039
5	N	4.855	4.781	4.695	4.580	4.426	4.226	3.973
	F	5.154	5.241	5.348	5.508	5.750	6.133	6.772
6	N	5.790	5.684	5.562	5.399	5.185	4.910	4.568
	F	6.226	6.355	6.514	6.755	7.127	7.731	8.788
10	N	9.420	9.135	8.820	8.409	7.891	7.259	6.523
	F	10.657	11.048	11.550	12.345	13.678	16.148	21.707
12	N	11.171	10.770	10.333	9.771	9.075	8.246	7.304
	F	12.964	13.550	14.318	15.566	17.759	22.187	34.318
15	N	13.721	13.119	12.472	11.659	10.677	9.542	8.299
	F	16.545	17.518	18.829	21.061	25.309	35.437	81.883
20	N	17.779	16.776	15.728	14.451	12.966	11.323	9.606
	F	22.861	24.771	27.490	32.551	44.028	87.961	INF
50	N	38.018	33.677	29.671	25.401	21.111	17.048	13.408
	F	73.056	97.220	159.807	1804.004	INF	INF	INF
Infinity	N	157.725	102.557	72.552	51.330	36.326	25.716	18.214
	F	INF	INF	INF	INF	INF	INF	INF

PANCHRO/Ω
Classic

135mm

Metric

Hs(m)	U	Hyperfocal Setting						
		T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
		277.667	194.439	137.567	97.340	68.901	48.791	34.571
Depth of Field								
Metres		T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
0.85	N	0.849	0.848	0.847	0.846	0.844	0.842	0.839
	F	0.851	0.852	0.853	0.854	0.856	0.858	0.862
0.9	N	0.898	0.898	0.897	0.895	0.893	0.890	0.887
	F	0.902	0.902	0.903	0.905	0.907	0.910	0.914
0.95	N	0.948	0.947	0.946	0.944	0.942	0.939	0.934
	F	0.952	0.953	0.954	0.956	0.958	0.961	0.966
1	N	0.998	0.997	0.995	0.994	0.991	0.987	0.982
	F	1.002	1.003	1.005	1.006	1.009	1.013	1.019
1.1	N	1.097	1.096	1.094	1.092	1.088	1.084	1.077
	F	1.103	1.104	1.106	1.108	1.112	1.117	1.124
1.2	N	1.196	1.195	1.193	1.190	1.186	1.180	1.172
	F	1.204	1.205	1.207	1.210	1.215	1.221	1.230
1.3	N	1.296	1.294	1.291	1.288	1.283	1.275	1.266
	F	1.304	1.306	1.309	1.313	1.318	1.326	1.337
1.4	N	1.395	1.393	1.390	1.385	1.379	1.371	1.359
	F	1.405	1.408	1.411	1.415	1.421	1.431	1.444
1.5	N	1.494	1.491	1.488	1.483	1.476	1.466	1.452
	F	1.506	1.509	1.513	1.518	1.525	1.536	1.552
1.6	N	1.593	1.590	1.586	1.580	1.572	1.560	1.544
	F	1.607	1.610	1.615	1.621	1.629	1.642	1.660
1.8	N	1.791	1.787	1.781	1.774	1.763	1.748	1.728
	F	1.809	1.813	1.819	1.827	1.839	1.855	1.879
2	N	1.988	1.983	1.976	1.967	1.953	1.935	1.909
	F	2.012	2.017	2.024	2.034	2.049	2.070	2.101
2.2	N	2.185	2.179	2.171	2.159	2.143	2.120	2.088
	F	2.215	2.221	2.230	2.243	2.261	2.287	2.325
2.5	N	2.481	2.473	2.462	2.446	2.424	2.394	2.353
	F	2.519	2.528	2.540	2.557	2.581	2.616	2.667
3	N	2.972	2.960	2.943	2.921	2.889	2.845	2.786
	F	3.029	3.041	3.059	3.084	3.120	3.173	3.251
3.5	N	3.461	3.444	3.422	3.390	3.347	3.287	3.207
	F	3.540	3.558	3.582	3.617	3.668	3.743	3.854
4	N	3.948	3.926	3.897	3.855	3.799	3.721	3.617
	F	4.053	4.077	4.109	4.156	4.225	4.326	4.477
5	N	4.918	4.883	4.836	4.772	4.683	4.564	4.406
	F	5.085	5.123	5.175	5.252	5.364	5.531	5.786
6	N	5.880	5.831	5.763	5.671	5.545	5.376	5.155
	F	6.125	6.180	6.258	6.371	6.539	6.792	7.186
7	N	6.836	6.768	6.677	6.552	6.383	6.159	5.867
	F	7.172	7.248	7.356	7.515	7.752	8.114	8.688
10	N	9.664	9.527	9.344	9.097	8.770	8.345	7.812
	F	10.360	10.523	10.756	11.105	11.638	12.488	13.928
15	N	14.248	13.948	13.555	13.036	12.366	11.529	10.524
	F	15.837	16.225	16.793	17.669	19.077	21.504	26.230
20	N	18.678	18.163	17.498	16.637	15.556	14.247	12.735
	F	21.525	22.253	23.343	25.082	28.037	33.651	46.975
30	N	27.104	26.028	24.677	22.989	20.962	18.642	16.121
	F	33.591	35.409	38.269	43.210	52.868	77.342	224.625
60	N	49.386	45.907	41.841	37.184	32.131	26.956	21.962
	F	76.443	86.622	106.143	155.853	462.140	INF	INF
80	N	62.161	56.741	50.648	43.972	37.068	30.339	24.150
	F	112.237	135.682	190.694	447.489	INF	INF	INF
120	N	83.851	74.268	64.151	53.791	43.798	34.693	26.821
	F	211.067	312.887	937.382	INF	INF	INF	INF
150	N	97.453	84.738	71.809	59.068	47.228	36.806	28.062
	F	325.832	655.140	INF	INF	INF	INF	INF
200	N	116.322	98.644	81.544	65.492	51.241	39.193	29.425
	F	714.127	INF	INF	INF	INF	INF	INF
Infinity	N	277.536	194.309	137.436	97.209	68.770	48.660	34.440
	F	INF	INF	INF	INF	INF	INF	INF

PANCHRO/8
Classic

152mm

Metric

Hs(m)	U	Hyperfocal Setting						
		T/3.2	T/4	T/5.6	T/8	T/11	T/16	T/22
		302.843	242.330	171.443	121.304	85.857	60.792	43.069
		Depth of Field						
	Metres	T/3.2	T/4	T/5.6	T/8	T/11	T/16	T/22
1.1	N	1.098	1.097	1.096	1.094	1.091	1.088	1.083
	F	1.102	1.103	1.104	1.106	1.109	1.112	1.118
1.15	N	1.147	1.147	1.145	1.143	1.140	1.136	1.131
	F	1.153	1.153	1.155	1.157	1.160	1.164	1.170
1.2	N	1.197	1.196	1.195	1.192	1.189	1.185	1.179
	F	1.203	1.204	1.205	1.208	1.211	1.216	1.222
1.25	N	1.247	1.246	1.244	1.242	1.238	1.233	1.226
	F	1.253	1.254	1.256	1.259	1.262	1.267	1.275
1.3	N	1.296	1.295	1.293	1.291	1.287	1.282	1.274
	F	1.304	1.305	1.307	1.309	1.313	1.319	1.327
1.35	N	1.346	1.345	1.343	1.340	1.336	1.330	1.322
	F	1.354	1.355	1.357	1.360	1.365	1.371	1.380
1.4	N	1.396	1.394	1.392	1.389	1.384	1.378	1.369
	F	1.405	1.406	1.408	1.411	1.416	1.423	1.433
1.45	N	1.445	1.444	1.441	1.438	1.433	1.426	1.416
	F	1.455	1.456	1.459	1.462	1.468	1.475	1.486
1.5	N	1.495	1.493	1.491	1.487	1.481	1.474	1.463
	F	1.505	1.507	1.509	1.513	1.519	1.527	1.539
1.55	N	1.544	1.543	1.540	1.536	1.530	1.522	1.510
	F	1.556	1.557	1.560	1.565	1.571	1.579	1.592
1.6	N	1.594	1.592	1.589	1.585	1.578	1.570	1.557
	F	1.606	1.608	1.611	1.616	1.622	1.632	1.645
1.8	N	1.792	1.790	1.786	1.780	1.772	1.760	1.744
	F	1.808	1.810	1.815	1.821	1.829	1.842	1.860
2	N	1.990	1.987	1.982	1.974	1.964	1.949	1.929
	F	2.010	2.013	2.019	2.026	2.038	2.054	2.077
2.5	N	2.483	2.479	2.470	2.458	2.441	2.417	2.385
	F	2.517	2.522	2.531	2.544	2.562	2.589	2.628
3	N	2.975	2.968	2.955	2.937	2.912	2.878	2.830
	F	3.026	3.032	3.046	3.065	3.093	3.134	3.193
3.5	N	3.465	3.456	3.438	3.413	3.379	3.331	3.266
	F	3.536	3.545	3.564	3.592	3.631	3.688	3.772
4	N	3.953	3.942	3.918	3.885	3.840	3.777	3.692
	F	4.048	4.060	4.086	4.122	4.175	4.252	4.367
4.5	N	4.440	4.425	4.395	4.353	4.295	4.216	4.109
	F	4.562	4.577	4.610	4.657	4.726	4.826	4.976
5	N	4.925	4.907	4.870	4.818	4.746	4.649	4.518
	F	5.077	5.097	5.138	5.197	5.283	5.411	5.602
6	N	5.891	5.865	5.811	5.736	5.633	5.494	5.309
	F	6.113	6.142	6.202	6.291	6.419	6.611	6.904
7	N	6.851	6.815	6.741	6.639	6.501	6.314	6.069
	F	7.156	7.196	7.280	7.403	7.584	7.857	8.278
8	N	7.804	7.757	7.661	7.529	7.350	7.111	6.799
	F	8.206	8.259	8.371	8.535	8.779	9.149	9.730
10	N	9.693	9.619	9.470	9.267	8.994	8.635	8.175
	F	10.327	10.413	10.594	10.861	11.264	11.887	12.898
12	N	11.558	11.452	11.240	10.953	10.571	10.075	9.449
	F	12.478	12.604	12.872	13.272	13.882	14.849	16.475
15	N	14.310	14.148	13.823	13.388	12.819	12.092	11.196
	F	15.760	15.962	16.399	17.058	18.088	19.778	22.795
20	N	18.785	18.504	17.948	17.217	16.280	15.118	13.733
	F	21.385	21.762	22.587	23.867	25.948	29.603	36.981
30	N	27.329	26.734	25.582	24.112	22.302	20.163	17.759
	F	33.253	34.180	36.275	39.722	45.891	58.827	97.922
50	N	42.962	41.502	38.775	35.479	31.675	27.508	23.199
	F	59.806	62.891	70.416	84.772	119.148	279.750	INF
100	N	75.245	70.861	63.236	54.886	46.256	37.849	30.119
	F	149.097	169.970	239.397	567.461	INF	INF	INF
Infinity	N	302.698	242.185	171.298	121.160	85.712	60.647	42.923
	F	INF	INF	INF	INF	INF	INF	INF

PANCHRO/;
Classic

18mm

Imperial

Hs(ft & in)	Hyperfocal Setting							
	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
	21' 5.6"	16' 9.1"	11' 11.3"	8' 6.4"	6' 1.4"	4' 5.0"	3' 2.5"	2' 4.3"

PANCHRO/®
Classic

21mm

Imperial

PANCHRO/[®]
Classic

25mm

Imperial

Hs(ft & in)	Hyperfocal Setting							
	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
	39' 7.1"	30' 10.3"	21' 10.8"	15' 6.8"	11' 1.0"	7' 11.0"	5' 8.1"	4' 1.2"
Depth of Field								
U	Feet	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/22
0' 7"	N	0' 7.0"	0' 7.0"	0' 6.9"	0' 6.9"	0' 6.8"	0' 6.8"	0' 6.7"
	F	0' 7.0"	0' 7.0"	0' 7.1"	0' 7.1"	0' 7.2"	0' 7.2"	0' 7.3"
0' 8"	N	0' 8.0"	0' 7.9"	0' 7.9"	0' 7.9"	0' 7.8"	0' 7.8"	0' 7.5"
	F	0' 8.1"	0' 8.1"	0' 8.1"	0' 8.1"	0' 8.2"	0' 8.3"	0' 8.6"
0' 9"	N	0' 8.9"	0' 8.9"	0' 8.9"	0' 8.8"	0' 8.7"	0' 8.6"	0' 8.3"
	F	0' 9.1"	0' 9.1"	0' 9.1"	0' 9.2"	0' 9.3"	0' 9.4"	0' 9.9"
0' 10"	N	0' 9.9"	0' 9.9"	0' 9.8"	0' 9.7"	0' 9.6"	0' 9.5"	0' 9.3"
	F	0' 10.1"	0' 10.1"	0' 10.2"	0' 10.3"	0' 10.4"	0' 10.6"	0' 10.8"
0' 11"	N	0' 10.9"	0' 10.8"	0' 10.8"	0' 10.7"	0' 10.5"	0' 10.4"	0' 10.1"
	F	0' 11.1"	0' 11.2"	0' 11.3"	0' 11.4"	0' 11.5"	0' 11.8"	1' 0.1"
1'	N	0' 11.8"	0' 11.8"	0' 11.7"	0' 11.6"	0' 11.4"	0' 11.2"	0' 10.9"
	F	1' 0.2"	1' 0.2"	1' 0.3"	1' 0.5"	1' 0.7"	1' 1.0"	1' 1.4"
1' 1"	N	1' 0.8"	1' 0.7"	1' 0.6"	1' 0.5"	1' 0.3"	1' 0.0"	0' 11.7"
	F	1' 1.2"	1' 1.3"	1' 1.4"	1' 1.6"	1' 1.8"	1' 2.2"	1' 2.8"
1' 2"	N	1' 1.8"	1' 1.7"	1' 1.6"	1' 1.4"	1' 1.1"	1' 0.8"	1' 0.4"
	F	1' 2.3"	1' 2.3"	1' 2.5"	1' 2.7"	1' 3.0"	1' 3.5"	1' 4.2"
1' 3"	N	1' 2.7"	1' 2.6"	1' 2.5"	1' 2.3"	1' 2.0"	1' 1.6"	1' 1.1"
	F	1' 3.3"	1' 3.4"	1' 3.6"	1' 3.8"	1' 4.2"	1' 4.8"	1' 5.7"
1' 4"	N	1' 3.7"	1' 3.6"	1' 3.4"	1' 3.1"	1' 2.8"	1' 2.4"	1' 1.8"
	F	1' 4.4"	1' 4.5"	1' 4.7"	1' 5.0"	1' 5.4"	1' 6.2"	1' 7.3"
1' 5"	N	1' 4.6"	1' 4.5"	1' 4.3"	1' 4.0"	1' 3.6"	1' 3.1"	1' 2.5"
	F	1' 5.4"	1' 5.6"	1' 5.8"	1' 6.2"	1' 6.7"	1' 7.5"	1' 8.9"
1' 6"	N	1' 5.5"	1' 5.4"	1' 5.2"	1' 4.9"	1' 4.4"	1' 3.9"	1' 3.2"
	F	1' 6.5"	1' 6.6"	1' 6.9"	1' 7.3"	1' 8.0"	1' 8.9"	1' 10.5"
1' 7"	N	1' 6.5"	1' 6.3"	1' 6.1"	1' 5.7"	1' 5.2"	1' 4.6"	1' 3.8"
	F	1' 7.6"	1' 7.7"	1' 8.1"	1' 8.5"	1' 9.3"	1' 10.4"	2' 0.3"
1' 8"	N	1' 7.4"	1' 7.2"	1' 7.0"	1' 6.6"	1' 6.0"	1' 5.3"	1' 4.5"
	F	1' 8.6"	1' 8.8"	1' 9.2"	1' 9.7"	1' 10.6"	1' 11.9"	2' 2.1"
1' 10"	N	1' 9.3"	1' 9.1"	1' 8.7"	1' 8.2"	1' 7.6"	1' 6.7"	1' 5.7"
	F	1' 10.8"	1' 11.0"	1' 11.5"	2' 0.2"	2' 1.3"	2' 3.0"	2' 5.9"
2'	N	1' 11.1"	1' 10.9"	1' 10.4"	1' 9.8"	1' 9.1"	1' 8.1"	1' 6.8"
	F	2' 1.0"	2' 1.3"	2' 1.9"	2' 2.7"	2' 4.1"	2' 6.3"	2' 10.1"
2' 3"	N	2' 1.8"	2' 1.5"	2' 1.0"	2' 0.2"	1' 11.2"	1' 10.0"	1' 8.5"
	F	2' 4.3"	2' 4.7"	2' 5.5"	2' 6.6"	2' 8.5"	2' 11.5"	3' 5.1"
2' 6"	N	2' 4.5"	2' 4.1"	2' 3.4"	2' 2.5"	2' 1.3"	1' 11.8"	1' 10.0"
	F	2' 7.6"	2' 8.2"	2' 9.1"	2' 10.7"	3' 1.1"	3' 5.3"	4' 1.3"
2' 9"	N	2' 7.2"	2' 6.7"	2' 5.9"	2' 4.8"	2' 3.3"	2' 1.6"	1' 11.5"
	F	2' 11.0"	2' 11.7"	3' 0.9"	3' 2.9"	3' 6.1"	3' 11.6"	4' 10.9"
3'	N	2' 9.8"	2' 9.3"	2' 8.3"	2' 7.0"	2' 5.3"	2' 3.2"	2' 0.8"
	F	3' 2.5"	3' 3.3"	3' 4.8"	3' 7.3"	3' 11.3"	4' 6.6"	5' 10.2"
3' 6"	N	3' 3.0"	3' 2.2"	3' 0.9"	2' 11.1"	2' 9.0"	2' 6.3"	2' 3.3"
	F	3' 9.5"	3' 10.7"	4' 0.9"	4' 4.6"	4' 10.8"	5' 10.9"	8' 4.7"
4'	N	3' 8.1"	3' 7.1"	3' 5.3"	3' 3.1"	3' 0.4"	2' 9.1"	2' 5.5"
	F	4' 4.8"	4' 6.3"	4' 9.5"	5' 2.7"	5' 12.0"	7' 7.4"	12' 5.5"
4' 6"	N	4' 1.0"	3' 11.8"	3' 9.6"	3' 6.9"	3' 3.6"	2' 11.7"	2' 7.5"
	F	5' 0.2"	5' 2.3"	5' 6.5"	6' 1.7"	7' 3.1"	9' 9.9"	19' 11.6"
5'	N	4' 5.8"	4' 4.3"	4' 1.7"	3' 10.5"	3' 6.6"	3' 2.1"	2' 9.2"
	F	5' 7.9"	5' 10.5"	6' 4.1"	7' 1.8"	8' 8.8"	12' 9.4"	38' 6.7"
6'	N	5' 3.2"	5' 1.1"	4' 9.5"	4' 5.1"	3' 12.0"	3' 6.3"	3' 0.3"
	F	6' 11.8"	7' 4.0"	8' 1.0"	9' 5.7"	12' 6.4"	23' 4.2"	INF
7'	N	6' 0.1"	5' 9.3"	5' 4.7"	4' 11.1"	4' 4.8"	3' 9.9"	3' 2.9"
	F	8' 4.8"	8' 11.0"	10' 0.8"	12' 4.1"	18' 2.5"	56' 11.6"	INF
10'	N	8' 0.7"	7' 7.7"	6' 11.6"	6' 2.4"	5' 4.4"	4' 6.3"	3' 8.6"
	F	13' 2.6"	14' 6.8"	18' 0.2"	27' 1.7"	98' 0.3"	INF	INF
15'	N	10' 11.7"	10' 2.4"	9' 0.1"	7' 9.0"	6' 5.7"	5' 3.3"	4' 2.3"
	F	23' 10.3"	28' 9.0"	46' 7.4"	401' 7.3"	INF	INF	INF
30'	N	17' 2.1"	15' 3.9"	12' 9.1"	10' 4.0"	8' 2.0"	6' 3.8"	4' 9.6"
	F	122' 4.4"	1064' 3.1"	INF	INF	INF	INF	INF
Infinity	N	39' 6.5"	30' 9.7"	21' 10.2"	15' 6.2"	11' 0.4"	7' 10.4"	5' 7.5"
	F	INF	INF	INF	INF	INF	INF	INF

PANCHRO/®
Classic

27mm

Imperial

PANCHRO/[®]
Classic

32mm

Imperial

Hs(ft & in)	Hyperfocal Setting							
	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
	64' 2.9"	50' 0.2"	35' 5.1"	25' 1.3"	17' 9.7"	12' 7.8"	9' 0.0"	6' 5.1"
Depth of Field								
U	Feet	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/22
0' 9"	N	0' 8.9"	0' 8.9"	0' 8.9"	0' 8.8"	0' 8.8"	0' 8.7"	0' 8.6"
	F	0' 9.1"	0' 9.1"	0' 9.1"	0' 9.2"	0' 9.2"	0' 9.3"	0' 9.5"
0' 10"	N	0' 9.9"	0' 9.9"	0' 9.9"	0' 9.8"	0' 9.7"	0' 9.6"	0' 9.4"
	F	0' 10.1"	0' 10.1"	0' 10.2"	0' 10.2"	0' 10.3"	0' 10.4"	0' 10.6"
0' 11"	N	0' 10.9"	0' 10.9"	0' 10.8"	0' 10.7"	0' 10.6"	0' 10.5"	0' 10.0"
	F	0' 11.1"	0' 11.1"	0' 11.2"	0' 11.3"	0' 11.4"	0' 11.6"	0' 11.8"
1'	N	0' 11.9"	0' 11.8"	0' 11.8"	0' 11.7"	0' 11.5"	0' 11.4"	0' 11.1"
	F	1' 0.1"	1' 0.2"	1' 0.2"	1' 0.3"	1' 0.5"	1' 0.7"	1' 1.0"
1' 1"	N	1' 0.8"	1' 0.8"	1' 0.7"	1' 0.6"	1' 0.5"	1' 0.2"	0' 12.0"
	F	1' 1.2"	1' 1.2"	1' 1.3"	1' 1.4"	1' 1.6"	1' 1.9"	1' 2.3"
1' 2"	N	1' 1.8"	1' 1.8"	1' 1.7"	1' 1.5"	1' 1.4"	1' 1.1"	1' 0.8"
	F	1' 2.2"	1' 2.2"	1' 2.4"	1' 2.5"	1' 2.7"	1' 3.1"	1' 3.5"
1' 3"	N	1' 2.8"	1' 2.7"	1' 2.6"	1' 2.5"	1' 2.2"	1' 2.0"	1' 1.6"
	F	1' 3.2"	1' 3.3"	1' 3.4"	1' 3.6"	1' 3.9"	1' 4.2"	1' 4.8"
1' 4"	N	1' 3.7"	1' 3.7"	1' 3.5"	1' 3.4"	1' 3.1"	1' 2.8"	1' 2.3"
	F	1' 4.3"	1' 4.3"	1' 4.5"	1' 4.7"	1' 5.0"	1' 5.5"	1' 6.2"
1' 6"	N	1' 5.7"	1' 5.6"	1' 5.4"	1' 5.2"	1' 4.9"	1' 4.4"	1' 3.9"
	F	1' 6.3"	1' 6.4"	1' 6.6"	1' 6.9"	1' 7.3"	1' 7.9"	1' 8.9"
1' 8"	N	1' 7.6"	1' 7.5"	1' 7.3"	1' 7.0"	1' 6.6"	1' 6.0"	1' 5.4"
	F	1' 8.4"	1' 8.6"	1' 8.8"	1' 9.2"	1' 9.7"	1' 10.5"	1' 11.7"
1' 10"	N	1' 9.5"	1' 9.3"	1' 9.1"	1' 8.7"	1' 8.3"	1' 7.6"	1' 6.8"
	F	1' 10.5"	1' 10.7"	1' 11.0"	1' 11.4"	2' 0.1"	2' 1.1"	2' 2.7"
2'	N	1' 11.4"	1' 11.2"	1' 10.9"	1' 10.5"	1' 9.9"	1' 9.1"	1' 8.2"
	F	2' 0.7"	2' 0.8"	2' 1.2"	2' 1.8"	2' 2.6"	2' 3.8"	2' 5.8"
2' 3"	N	2' 2.2"	2' 2.0"	2' 1.6"	2' 1.1"	2' 0.3"	1' 11.4"	1' 10.2"
	F	2' 3.8"	2' 4.1"	2' 4.6"	2' 5.3"	2' 6.4"	2' 8.1"	2' 10.8"
2' 6"	N	2' 5.0"	2' 4.7"	2' 4.2"	2' 3.6"	2' 2.7"	2' 1.5"	2' 0.1"
	F	2' 7.1"	2' 7.4"	2' 8.0"	2' 8.9"	2' 10.3"	3' 0.5"	3' 4.2"
2' 9"	N	2' 7.8"	2' 7.5"	2' 6.9"	2' 6.1"	2' 5.0"	2' 3.6"	2' 1.9"
	F	2' 10.3"	2' 10.7"	2' 11.5"	3' 0.6"	3' 2.4"	3' 5.2"	3' 10.0"
3'	N	2' 10.5"	2' 10.2"	2' 9.5"	2' 8.5"	2' 7.3"	2' 5.6"	2' 3.6"
	F	3' 1.6"	3' 2.1"	3' 3.0"	3' 4.4"	3' 6.6"	3' 10.1"	4' 4.2"
3' 6"	N	3' 4.0"	3' 3.5"	3' 2.5"	3' 1.2"	2' 11.6"	2' 9.5"	2' 6.9"
	F	3' 8.2"	3' 8.9"	3' 10.2"	4' 0.2"	4' 3.4"	4' 8.7"	5' 6.5"
4'	N	3' 9.4"	3' 8.7"	3' 7.5"	3' 5.8"	3' 3.7"	3' 1.1"	2' 9.9"
	F	4' 2.9"	4' 3.9"	4' 5.6"	4' 8.4"	5' 0.9"	5' 8.6"	6' 11.6"
4' 6"	N	4' 2.7"	4' 1.8"	4' 0.3"	3' 10.2"	3' 7.7"	3' 4.5"	3' 0.7"
	F	4' 9.8"	4' 11.0"	5' 1.3"	5' 5.0"	5' 11.1"	6' 9.9"	8' 8.5"
5'	N	4' 7.9"	4' 6.8"	4' 5.0"	4' 2.5"	3' 11.4"	3' 7.7"	3' 3.3"
	F	5' 4.8"	5' 6.3"	5' 9.3"	6' 2.0"	6' 10.0"	8' 0.9"	10' 10.6"
6'	N	5' 6.1"	5' 4.6"	5' 2.0"	4' 10.7"	4' 6.5"	4' 1.6"	3' 7.9"
	F	6' 7.0"	6' 9.3"	7' 2.0"	7' 9.5"	8' 10.8"	11' 1.8"	17' 5.1"
7'	N	6' 4.1"	6' 2.1"	5' 10.6"	5' 6.3"	5' 1.0"	4' 6.8"	3' 12.0"
	F	7' 9.8"	8' 1.1"	8' 7.8"	9' 7.1"	11' 4.1"	15' 3.8"	30' 5.9"
8'	N	7' 1.7"	6' 11.2"	6' 6.8"	6' 1.4"	5' 6.9"	4' 11.5"	4' 3.5"
	F	9' 1.1"	9' 5.6"	10' 3.0"	11' 7.2"	14' 3.5"	21' 3.3"	69' 8.3"
10'	N	8' 8.3"	8' 4.5"	7' 10.2"	7' 2.5"	6' 5.6"	5' 7.7"	4' 9.5"
	F	11' 9.5"	12' 5.1"	13' 9.8"	16' 5.1"	22' 5.3"	46' 8.2"	INF
12'	N	10' 1.8"	9' 8.7"	9' 0.2"	8' 2.1"	7' 2.8"	6' 2.6"	5' 2.3"
	F	14' 8.3"	15' 8.3"	17' 12.0"	22' 8.7"	36' 2.5"	228' 10.4"	INF
15'	N	12' 2.5"	11' 7.1"	10' 7.1"	9' 5.4"	8' 2.4"	6' 11.0"	5' 8.0"
	F	19' 5.7"	21' 3.6"	25' 9.6"	36' 10.1"	93' 7.6"	INF	INF
20'	N	15' 3.6"	14' 4.1"	12' 10.1"	11' 2.3"	9' 5.7"	7' 9.5"	6' 2.8"
	F	28' 10.9"	33' 1.6"	45' 6.8"	97' 3.0"	INF	INF	INF
30'	N	20' 6.1"	18' 9.8"	16' 3.6"	13' 8.6"	11' 2.6"	8' 11.1"	6' 11.2"
	F	56' 0.3"	74' 6.5"	194' 5.3"	INF	INF	INF	INF
60'	N	31' 1.0"	27' 4.0"	22' 3.8"	17' 8.7"	13' 8.9"	10' 5.2"	7' 9.6"
	F	903' 11.9"	INF	INF	INF	INF	INF	INF
Infinity	N	64' 2.0"	49' 11.2"	35' 4.1"	25' 0.3"	17' 8.7"	12' 6.8"	8' 11.1"
	F	INF	INF	INF	INF	INF	INF	INF

PANCHRO/[®]
Classic

40mm

Imperial

Hs(ft & in)	Hyperfocal Setting							
	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
	99' 5.8"	77' 5.2"	54' 9.8"	38' 10.0"	27' 6.3"	19' 6.4"	13' 10.6"	9' 10.6"
Depth of Field								
U	Feet	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/22
1' 1"	N	1' 0.9"	1' 0.9"	1' 0.8"	1' 0.8"	1' 0.7"	1' 0.5"	1' 0.4"
	F	1' 1.1"	1' 1.1"	1' 1.2"	1' 1.2"	1' 1.3"	1' 1.5"	1' 1.7"
1' 2"	N	1' 1.9"	1' 1.9"	1' 1.8"	1' 1.7"	1' 1.6"	1' 1.5"	1' 1.2"
	F	1' 2.1"	1' 2.1"	1' 2.2"	1' 2.3"	1' 2.4"	1' 2.6"	1' 2.9"
1' 3"	N	1' 2.9"	1' 2.8"	1' 2.8"	1' 2.7"	1' 2.5"	1' 2.4"	1' 2.1"
	F	1' 3.1"	1' 3.2"	1' 3.2"	1' 3.3"	1' 3.5"	1' 3.7"	1' 4.0"
1' 4"	N	1' 3.8"	1' 3.8"	1' 3.7"	1' 3.6"	1' 3.5"	1' 3.3"	1' 3.0"
	F	1' 4.2"	1' 4.2"	1' 4.3"	1' 4.4"	1' 4.6"	1' 4.8"	1' 5.2"
1' 5"	N	1' 4.8"	1' 4.8"	1' 4.7"	1' 4.6"	1' 4.4"	1' 4.1"	1' 3.8"
	F	1' 5.2"	1' 5.2"	1' 5.3"	1' 5.5"	1' 5.7"	1' 6.0"	1' 6.4"
1' 6"	N	1' 5.8"	1' 5.7"	1' 5.6"	1' 5.5"	1' 5.3"	1' 5.0"	1' 4.6"
	F	1' 6.2"	1' 6.3"	1' 6.4"	1' 6.5"	1' 6.8"	1' 7.1"	1' 7.6"
1' 7"	N	1' 6.8"	1' 6.7"	1' 6.6"	1' 6.4"	1' 6.2"	1' 5.9"	1' 5.5"
	F	1' 7.2"	1' 7.3"	1' 7.4"	1' 7.6"	1' 7.9"	1' 8.3"	1' 8.9"
1' 8"	N	1' 7.7"	1' 7.7"	1' 7.5"	1' 7.4"	1' 7.1"	1' 6.8"	1' 6.3"
	F	1' 8.3"	1' 8.3"	1' 8.5"	1' 8.7"	1' 9.0"	1' 9.4"	1' 10.1"
1' 10"	N	1' 9.7"	1' 9.6"	1' 9.4"	1' 9.2"	1' 8.9"	1' 8.5"	1' 7.9"
	F	1' 10.3"	1' 10.4"	1' 10.6"	1' 10.9"	1' 11.2"	1' 11.8"	2' 0.7"
2'	N	1' 11.6"	1' 11.5"	1' 11.3"	1' 11.0"	1' 10.7"	1' 10.1"	1' 9.5"
	F	2' 0.4"	2' 0.5"	2' 0.7"	2' 1.1"	2' 1.5"	2' 2.2"	2' 3.3"
2' 3"	N	2' 2.5"	2' 2.4"	2' 2.1"	2' 1.8"	2' 1.3"	2' 0.6"	1' 11.8"
	F	2' 3.5"	2' 3.7"	2' 4.0"	2' 4.4"	2' 5.0"	2' 5.9"	2' 7.4"
2' 6"	N	2' 5.4"	2' 5.2"	2' 4.9"	2' 4.4"	2' 3.8"	2' 3.0"	2' 2.0"
	F	2' 6.7"	2' 6.9"	2' 7.2"	2' 7.8"	2' 8.6"	2' 9.7"	2' 11.6"
2' 9"	N	2' 8.2"	2' 8.0"	2' 7.6"	2' 7.1"	2' 6.4"	2' 5.4"	2' 4.1"
	F	2' 9.8"	2' 10.0"	2' 10.5"	2' 11.2"	3' 0.2"	3' 1.7"	3' 4.1"
3'	N	2' 11.1"	2' 10.8"	2' 10.4"	2' 9.7"	2' 8.9"	2' 7.7"	2' 6.2"
	F	3' 1.0"	3' 1.3"	3' 1.8"	3' 2.6"	3' 3.9"	3' 5.7"	3' 8.7"
3' 6"	N	3' 4.7"	3' 4.4"	3' 3.7"	3' 2.9"	3' 1.7"	3' 0.2"	2' 10.2"
	F	3' 7.4"	3' 7.8"	3' 8.6"	3' 9.7"	3' 11.5"	4' 2.2"	4' 6.7"
4'	N	3' 10.3"	3' 9.9"	3' 9.0"	3' 7.9"	3' 6.4"	3' 4.5"	3' 2.0"
	F	4' 1.8"	4' 2.4"	4' 3.4"	4' 5.0"	4' 7.4"	4' 11.2"	5' 5.7"
4' 6"	N	4' 3.8"	4' 3.3"	4' 2.2"	4' 0.8"	3' 10.9"	3' 8.5"	3' 5.6"
	F	4' 8.3"	4' 9.1"	4' 10.4"	5' 0.5"	5' 3.7"	5' 8.9"	6' 5.8"
5'	N	4' 9.3"	4' 8.6"	4' 7.3"	4' 5.6"	4' 3.3"	4' 0.5"	3' 8.9"
	F	5' 2.9"	5' 3.8"	5' 5.6"	5' 8.2"	6' 0.3"	6' 7.1"	7' 7.4"
5' 6"	N	5' 2.8"	5' 1.9"	5' 0.3"	4' 10.3"	4' 7.6"	4' 4.2"	4' 0.1"
	F	5' 9.6"	5' 10.7"	6' 0.9"	6' 4.2"	6' 9.4"	7' 6.2"	8' 10.5"
6'	N	5' 8.1"	5' 7.1"	5' 5.3"	5' 2.9"	4' 11.7"	4' 7.8"	4' 3.1"
	F	6' 4.3"	6' 5.7"	6' 8.3"	7' 0.4"	7' 6.9"	8' 6.0"	10' 3.6"
6' 6"	N	6' 1.5"	6' 0.3"	5' 10.1"	5' 7.3"	5' 3.8"	4' 11.3"	4' 6.0"
	F	6' 11.1"	7' 0.7"	7' 3.9"	7' 8.8"	8' 4.8"	9' 6.8"	11' 10.9"
7'	N	6' 6.7"	6' 5.4"	6' 2.9"	5' 11.7"	5' 7.7"	5' 2.6"	4' 8.7"
	F	7' 6.0"	7' 7.9"	7' 11.7"	8' 5.5"	9' 3.2"	10' 8.5"	13' 9.1"
8'	N	7' 5.2"	7' 3.4"	7' 0.3"	6' 8.2"	6' 3.1"	5' 8.9"	5' 1.8"
	F	8' 8.0"	8' 10.6"	9' 3.7"	9' 11.8"	11' 1.6"	13' 3.6"	18' 4.9"
10'	N	9' 1.4"	8' 10.7"	8' 6.0"	8' 0.1"	7' 4.8"	6' 8.2"	5' 10.6"
	F	11' 0.9"	11' 5.1"	12' 1.8"	13' 4.1"	15' 6.0"	20' 1.5"	34' 10.5"
12'	N	10' 8.9"	10' 5.2"	9' 10.8"	9' 2.8"	8' 5.1"	7' 6.1"	6' 6.1"
	F	13' 7.2"	14' 1.6"	15' 3.1"	17' 2.5"	21' 0.0"	30' 6.8"	86' 4.7"
15'	N	13' 0.9"	12' 7.4"	11' 10.0"	10' 10.7"	9' 9.4"	8' 6.7"	7' 3.3"
	F	17' 7.2"	18' 6.2"	20' 6.2"	24' 2.6"	32' 6.5"	63' 6.1"	INF
20'	N	16' 8.4"	15' 11.4"	14' 8.6"	13' 3.3"	11' 7.9"	9' 11.4"	8' 3.0"
	F	24' 11.3"	26' 10.1"	31' 3.4"	40' 10.4"	72' 2.8"	INF	INF
30'	N	23' 1.3"	21' 8.3"	19' 5.5"	16' 12.0"	14' 5.1"	11' 10.6"	9' 6.3"
	F	42' 9.6"	48' 9.0"	65' 10.1"	130' 8.8"	INF	INF	INF
60'	N	37' 6.0"	33' 10.5"	28' 8.6"	23' 7.5"	18' 10.9"	14' 9.0"	11' 3.2"
	F	150' 7.9"	265' 4.4"	INF	INF	INF	INF	INF
Infinity	N	99' 4.7"	77' 4.0"	54' 8.7"	38' 8.9"	27' 5.2"	19' 5.3"	13' 9.4"
	F	INF						

PANCHRO/Classic

50mm

Imperial

Hs(ft & in)	Hyperfocal Setting							
	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
	155' 0.3"	120' 7.7"	85' 4.8"	60' 5.7"	42' 10.2"	30' 4.6"	21' 6.9"	15' 4.1"

PANCHRO/[®]
Classic

65mm MACRO

Imperial

Hs(ft & in)	Hyperfocal Setting							
	T/2.4	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
	265' 2.1"	225' 1.0"	159' 3.5"	112' 9.4"	79' 10.6"	56' 7.5"	40' 2.2"	28' 6.7"
Depth of Field								
U	Feet	T/2.4	T/2.8	T/4	T/5.6	T/8	T/11	T/22
	N	1' 1.0"	1' 1.0"	1' 1.0"	1' 1.0"	1' 1.0"	1' 0.9"	1' 0.9"
	F	1' 1.0"	1' 1.0"	1' 1.0"	1' 1.0"	1' 1.0"	1' 1.1"	1' 1.1"
1' 1"	N	1' 2.0"	1' 2.0"	1' 2.0"	1' 2.0"	1' 1.9"	1' 1.9"	1' 1.8"
1' 1"	F	1' 2.0"	1' 2.0"	1' 2.0"	1' 2.0"	1' 2.1"	1' 2.1"	1' 2.2"
1' 2"	N	1' 3.0"	1' 3.0"	1' 3.0"	1' 2.9"	1' 2.9"	1' 2.9"	1' 2.8"
1' 2"	F	1' 3.0"	1' 3.0"	1' 3.0"	1' 3.1"	1' 3.1"	1' 3.1"	1' 3.2"
1' 3"	N	1' 4.0"	1' 4.0"	1' 4.0"	1' 3.9"	1' 3.9"	1' 3.9"	1' 3.8"
1' 3"	F	1' 4.0"	1' 4.0"	1' 4.0"	1' 4.1"	1' 4.1"	1' 4.1"	1' 4.3"
1' 4"	N	1' 5.0"	1' 5.0"	1' 4.9"	1' 4.9"	1' 4.9"	1' 4.8"	1' 4.7"
1' 4"	F	1' 5.0"	1' 5.0"	1' 5.1"	1' 5.1"	1' 5.1"	1' 5.2"	1' 5.4"
1' 5"	N	1' 6.0"	1' 5.9"	1' 5.9"	1' 5.9"	1' 5.9"	1' 5.8"	1' 5.7"
1' 5"	F	1' 6.0"	1' 6.1"	1' 6.1"	1' 6.1"	1' 6.1"	1' 6.2"	1' 6.3"
1' 6"	N	1' 6.9"	1' 6.9"	1' 6.9"	1' 6.9"	1' 6.8"	1' 6.8"	1' 6.7"
1' 6"	F	1' 7.1"	1' 7.1"	1' 7.1"	1' 7.1"	1' 7.2"	1' 7.3"	1' 7.5"
1' 7"	N	1' 7.9"	1' 7.9"	1' 7.9"	1' 7.9"	1' 7.8"	1' 7.7"	1' 7.6"
1' 7"	F	1' 8.1"	1' 8.1"	1' 8.1"	1' 8.1"	1' 8.2"	1' 8.3"	1' 8.4"
1' 8"	N	1' 9.9"	1' 9.9"	1' 9.9"	1' 9.8"	1' 9.7"	1' 9.6"	1' 9.5"
1' 8"	F	1' 10.1"	1' 10.1"	1' 10.1"	1' 10.2"	1' 10.3"	1' 10.4"	1' 10.6"
1' 9"	N	1' 11.9"	1' 11.9"	1' 11.8"	1' 11.8"	1' 11.7"	1' 11.5"	1' 11.3"
1' 9"	F	2' 0.1"	2' 0.1"	2' 0.2"	2' 0.2"	2' 0.3"	2' 0.5"	2' 0.7"
2'	N	2' 2.9"	2' 2.8"	2' 2.8"	2' 2.7"	2' 2.5"	2' 2.4"	2' 2.1"
2'	F	2' 3.1"	2' 3.2"	2' 3.2"	2' 3.3"	2' 3.5"	2' 3.7"	2' 4.0"
2' 3"	N	2' 5.8"	2' 5.8"	2' 5.7"	2' 5.6"	2' 5.4"	2' 5.2"	2' 4.8"
2' 3"	F	2' 6.2"	2' 6.2"	2' 6.3"	2' 6.4"	2' 6.6"	2' 6.9"	2' 7.3"
2' 4"	N	2' 8.8"	2' 8.7"	2' 8.6"	2' 8.5"	2' 8.2"	2' 7.9"	2' 7.5"
2' 4"	F	2' 9.2"	2' 9.3"	2' 9.4"	2' 9.6"	2' 9.8"	2' 10.1"	2' 10.7"
2' 5"	N	2' 11.7"	2' 11.7"	2' 11.5"	2' 11.3"	2' 11.1"	2' 10.7"	2' 10.2"
2' 5"	F	3' 0.3"	3' 0.3"	3' 0.5"	3' 0.7"	3' 1.0"	3' 1.4"	3' 2.1"
3'	N	3' 5.6"	3' 5.5"	3' 5.3"	3' 5.1"	3' 4.7"	3' 4.2"	3' 3.4"
3'	F	3' 6.4"	3' 6.5"	3' 6.7"	3' 7.0"	3' 7.4"	3' 8.1"	3' 9.0"
3' 6"	N	3' 11.4"	3' 11.3"	3' 11.1"	3' 10.7"	3' 10.2"	3' 9.5"	3' 8.6"
3' 6"	F	4' 0.6"	4' 0.7"	4' 1.0"	4' 1.4"	4' 2.0"	4' 2.8"	4' 4.1"
4'	N	4' 11.1"	4' 10.9"	4' 10.5"	4' 9.9"	4' 9.1"	4' 8.0"	4' 6.4"
4'	F	5' 0.9"	5' 1.1"	5' 1.6"	5' 2.3"	5' 3.3"	5' 4.8"	5' 7.0"
5'	N	5' 10.6"	5' 10.4"	5' 9.8"	5' 8.9"	5' 7.7"	5' 6.1"	5' 3.9"
5'	F	6' 1.4"	6' 1.7"	6' 2.4"	6' 3.4"	6' 5.0"	6' 7.3"	6' 10.8"
6'	N	7' 9.5"	7' 9.1"	7' 7.9"	7' 6.3"	7' 4.2"	7' 1.3"	6' 9.6"
6'	F	8' 2.6"	8' 3.1"	8' 4.5"	8' 6.5"	8' 9.5"	9' 2.1"	9' 9.3"
8'	N	9' 8.0"	9' 7.3"	9' 5.5"	9' 3.1"	8' 11.7"	8' 7.4"	8' 1.9"
8'	F	10' 4.3"	10' 5.1"	10' 7.3"	10' 10.6"	11' 3.7"	11' 11.5"	13' 0.4"
10'	N	14' 2.9"	14' 1.4"	13' 9.4"	13' 4.0"	12' 9.0"	12' 0.1"	11' 1.3"
10'	F	15' 10.1"	16' 0.1"	16' 5.6"	17' 2.0"	18' 3.2"	20' 1.2"	23' 5.3"
15'	N	27' 0.4"	26' 6.8"	25' 4.4"	23' 10.2"	21' 11.9"	19' 9.8"	17' 4.8"
15'	F	33' 8.6"	34' 5.7"	36' 9.1"	40' 6.8"	47' 6.5"	62' 10.8"	116' 1.5"
30'	N	265' 1.8"	225' 0.6"	159' 3.2"	112' 9.1"	79' 10.3"	56' 7.2"	40' 1.8"
30'	F	INF						
Infinity	N							28' 6.3"
Infinity	F							INF

PANCHRO/®
Classic

75mm

Imperial

Hs(ft & in)	Hyperfocal Setting							
	T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
	357' 6.9"	278' 2.7"	196' 10.3"	139' 4.0"	98' 7.7"	69' 10.5"	49' 6.5"	35' 1.9"
U		Depth of Field						
Feet		T/2.2	T/2.8	T/4	T/5.6	T/8	T/11	T/22
2' 4"	N	2' 3.9"	2' 3.8"	2' 3.8"	2' 3.7"	2' 3.5"	2' 3.3"	2' 3.1"
	F	2' 4.1"	2' 4.2"	2' 4.2"	2' 4.3"	2' 4.5"	2' 4.7"	2' 5.0"
2' 6"	N	2' 5.8"	2' 5.8"	2' 5.7"	2' 5.6"	2' 5.5"	2' 5.2"	2' 4.9"
	F	2' 6.2"	2' 6.2"	2' 6.3"	2' 6.4"	2' 6.6"	2' 6.8"	2' 7.2"
2' 9"	N	2' 8.8"	2' 8.8"	2' 8.7"	2' 8.5"	2' 8.3"	2' 8.0"	2' 7.7"
	F	2' 9.2"	2' 9.2"	2' 9.4"	2' 9.5"	2' 9.7"	2' 10.0"	2' 10.5"
3'	N	2' 11.8"	2' 11.7"	2' 11.6"	2' 11.4"	2' 11.2"	2' 10.8"	2' 10.4"
	F	3' 0.2"	3' 0.3"	3' 0.4"	3' 0.6"	3' 0.9"	3' 1.3"	3' 1.8"
3' 3"	N	3' 2.7"	3' 2.6"	3' 2.5"	3' 2.3"	3' 2.0"	3' 1.6"	3' 1.1"
	F	3' 3.3"	3' 3.4"	3' 3.5"	3' 3.7"	3' 4.1"	3' 4.5"	3' 5.2"
3' 6"	N	3' 5.7"	3' 5.6"	3' 5.4"	3' 5.2"	3' 4.8"	3' 4.4"	3' 3.7"
	F	3' 6.3"	3' 6.4"	3' 6.6"	3' 6.9"	3' 7.3"	3' 7.8"	3' 8.6"
3' 9"	N	3' 8.6"	3' 8.5"	3' 8.3"	3' 8.0"	3' 7.6"	3' 7.1"	3' 6.3"
	F	3' 9.4"	3' 9.5"	3' 9.7"	3' 10.0"	3' 10.5"	3' 11.1"	4' 0.0"
4'	N	3' 11.6"	3' 11.4"	3' 11.2"	3' 10.9"	3' 10.4"	3' 9.8"	3' 9.0"
	F	4' 0.5"	4' 0.6"	4' 0.8"	4' 1.2"	4' 1.7"	4' 2.4"	4' 3.5"
4' 3"	N	4' 2.5"	4' 2.3"	4' 2.1"	4' 1.7"	4' 1.2"	4' 0.5"	3' 11.5"
	F	4' 3.5"	4' 3.7"	4' 4.0"	4' 4.4"	4' 4.9"	4' 5.8"	4' 7.0"
4' 6"	N	4' 5.4"	4' 5.3"	4' 5.0"	4' 4.5"	4' 4.0"	4' 3.2"	4' 2.1"
	F	4' 6.6"	4' 6.8"	4' 7.1"	4' 7.5"	4' 8.2"	4' 9.2"	4' 10.6"
4' 9"	N	4' 8.4"	4' 8.2"	4' 7.8"	4' 7.4"	4' 6.7"	4' 5.8"	4' 4.6"
	F	4' 9.7"	4' 9.9"	4' 10.2"	4' 10.7"	4' 11.5"	5' 0.6"	5' 2.2"
5'	N	4' 11.3"	4' 11.1"	4' 10.7"	4' 10.2"	4' 9.5"	4' 8.5"	4' 7.1"
	F	5' 0.7"	5' 1.0"	5' 1.4"	5' 1.9"	5' 2.8"	5' 4.0"	5' 5.9"
5' 3"	N	5' 2.2"	5' 2.0"	5' 1.6"	5' 1.0"	5' 0.2"	4' 11.1"	4' 9.6"
	F	5' 3.8"	5' 4.1"	5' 4.5"	5' 5.2"	5' 6.1"	5' 7.5"	5' 9.5"
5' 6"	N	5' 5.1"	5' 4.9"	5' 4.4"	5' 3.8"	5' 2.9"	5' 1.7"	5' 0.1"
	F	5' 6.9"	5' 7.2"	5' 7.7"	5' 8.4"	5' 9.4"	5' 11.0"	6' 1.3"
5' 9"	N	5' 8.0"	5' 7.8"	5' 7.3"	5' 6.6"	5' 5.6"	5' 4.3"	5' 2.5"
	F	5' 10.0"	5' 10.3"	5' 10.8"	5' 11.6"	6' 0.8"	6' 2.5"	6' 5.0"
6'	N	5' 10.9"	5' 10.6"	5' 10.1"	5' 9.3"	5' 8.3"	5' 6.9"	5' 5.0"
	F	6' 1.1"	6' 1.4"	6' 2.0"	6' 2.9"	6' 4.2"	6' 6.0"	6' 8.8"
6' 3"	N	6' 1.8"	6' 1.5"	6' 0.9"	6' 0.1"	5' 11.0"	5' 9.4"	5' 7.4"
	F	6' 4.2"	6' 4.5"	6' 5.2"	6' 6.2"	6' 7.5"	6' 9.6"	7' 0.7"
6' 6"	N	6' 4.7"	6' 4.4"	6' 3.7"	6' 2.9"	6' 1.6"	5' 12.0"	5' 9.7"
	F	6' 7.3"	6' 7.7"	6' 8.4"	6' 9.4"	6' 10.9"	7' 1.2"	7' 4.6"
6' 9"	N	6' 7.6"	6' 7.3"	6' 6.6"	6' 5.6"	6' 4.3"	6' 2.5"	6' 0.1"
	F	6' 10.4"	6' 10.8"	6' 11.6"	7' 0.7"	7' 2.4"	7' 4.8"	7' 8.6"
7'	N	6' 10.5"	6' 10.1"	6' 9.4"	6' 8.3"	6' 6.9"	6' 5.0"	6' 2.4"
	F	7' 1.5"	7' 2.0"	7' 2.8"	7' 4.0"	7' 5.8"	7' 8.5"	8' 0.5"
8'	N	7' 10.1"	7' 9.5"	7' 8.5"	7' 7.2"	7' 5.3"	7' 2.8"	6' 11.6"
	F	8' 2.0"	8' 2.6"	8' 3.7"	8' 5.4"	8' 7.8"	8' 11.4"	9' 5.0"
9'	N	8' 9.5"	8' 8.9"	8' 7.6"	8' 5.9"	8' 3.6"	8' 0.4"	7' 8.4"
	F	9' 2.6"	9' 3.3"	9' 4.8"	9' 6.9"	9' 10.1"	10' 2.8"	10' 10.3"
10'	N	9' 8.9"	9' 8.1"	9' 6.6"	9' 4.4"	9' 1.6"	8' 9.8"	8' 4.9"
	F	10' 3.2"	10' 4.2"	10' 6.0"	10' 8.7"	11' 0.7"	11' 6.7"	12' 4.4"
12'	N	11' 7.6"	11' 6.4"	11' 4.1"	11' 1.1"	10' 9.1"	10' 3.8"	9' 9.1"
	F	12' 4.7"	12' 6.1"	12' 8.8"	13' 0.8"	13' 6.9"	14' 4.3"	15' 7.6"
15'	N	14' 5.1"	14' 3.2"	13' 11.8"	13' 7.2"	13' 1.1"	12' 5.3"	11' 7.4"
	F	15' 7.5"	15' 9.8"	16' 2.2"	16' 8.8"	17' 6.9"	18' 11.1"	21' 2.9"
20'	N	18' 11.7"	18' 8.4"	18' 2.5"	17' 6.7"	16' 8.6"	15' 7.8"	14' 4.4"
	F	21' 1.8"	21' 6.0"	22' 2.3"	23' 2.9"	24' 11.1"	27' 9.2"	33' 1.4"
30'	N	27' 8.7"	27' 1.6"	26' 1.3"	24' 9.3"	23' 1.3"	21' 1.3"	18' 9.7"
	F	32' 8.3"	33' 6.6"	35' 3.3"	38' 0.7"	42' 10.0"	52' 1.2"	75' 1.3"
60'	N	51' 5.5"	49' 5.3"	46' 1.1"	42' 0.7"	37' 5.2"	32' 4.8"	27' 2.8"
	F	71' 11.6"	76' 3.9"	86' 0.3"	104' 10.9"	152' 2.4"	420' 9.0"	INF
120'	N	89' 11.5"	83' 11.5"	74' 8.1"	64' 7.1"	54' 2.9"	44' 2.8"	35' 1.1"
	F	180' 3.5"	210' 6.4"	306' 4.7"	861' 1.1"	INF	INF	INF
Infinity	N	357' 4.4"	278' 0.2"	196' 7.9"	139' 1.5"	98' 5.3"	69' 8.1"	49' 4.0"
	F	INF	INF	INF	INF	INF	INF	INF

PANCHRO/⁸
Classic

100mm

Imperial

Hs(ft & in)	U Feet	Hyperfocal Setting						
		T/2.6	T/4	T/5.6	T/8	T/11	T/16	T/22
		517' 9.1"	336' 9.1"	238' 3.8"	168' 8.3"	119' 5.6"	84' 7.9"	60' 0.6"
2' 4"	N	1' 12.0"	1' 11.9"	1' 11.9"	1' 11.9"	1' 11.8"	1' 11.7"	1' 11.6"
	F	2' 0.0"	2' 0.1"	2' 0.1"	2' 0.1"	2' 0.2"	2' 0.3"	2' 0.4"
2' 6"	N	2' 2.9"	2' 2.9"	2' 2.9"	2' 2.8"	2' 2.7"	2' 2.6"	2' 2.4"
	F	2' 3.1"	2' 3.1"	2' 3.1"	2' 3.2"	2' 3.3"	2' 3.4"	2' 3.6"
2' 9"	N	2' 5.9"	2' 5.9"	2' 5.8"	2' 5.7"	2' 5.6"	2' 5.5"	2' 5.2"
	F	2' 6.1"	2' 6.1"	2' 6.2"	2' 6.3"	2' 6.4"	2' 6.6"	2' 6.8"
3'	N	2' 8.9"	2' 8.8"	2' 8.8"	2' 8.7"	2' 8.5"	2' 8.3"	2' 8.0"
	F	2' 9.1"	2' 9.2"	2' 9.3"	2' 9.4"	2' 9.5"	2' 9.7"	2' 10.0"
3' 3"	N	2' 11.9"	2' 11.8"	2' 11.7"	2' 11.6"	2' 11.4"	2' 11.1"	2' 10.8"
	F	3' 0.1"	3' 0.2"	3' 0.3"	3' 0.4"	3' 0.6"	3' 0.9"	3' 1.3"
3' 6"	N	3' 2.8"	3' 2.7"	3' 2.6"	3' 2.5"	3' 2.3"	3' 2.0"	3' 1.6"
	F	3' 3.2"	3' 3.3"	3' 3.4"	3' 3.5"	3' 3.8"	3' 4.1"	3' 4.6"
3' 9"	N	3' 5.8"	3' 5.7"	3' 5.6"	3' 5.4"	3' 5.1"	3' 4.8"	3' 4.3"
	F	3' 6.2"	3' 6.3"	3' 6.5"	3' 6.6"	3' 6.9"	3' 7.3"	3' 7.9"
4'	N	3' 8.8"	3' 8.6"	3' 8.5"	3' 8.3"	3' 8.0"	3' 7.6"	3' 7.0"
	F	3' 9.2"	3' 9.4"	3' 9.5"	3' 9.8"	3' 10.1"	3' 10.6"	3' 11.2"
4' 3"	N	3' 11.7"	3' 11.6"	3' 11.4"	3' 11.1"	3' 10.8"	3' 10.3"	3' 9.7"
	F	4' 0.3"	4' 0.4"	4' 0.6"	4' 0.9"	4' 1.3"	4' 1.8"	4' 2.6"
4' 6"	N	4' 2.7"	4' 2.5"	4' 2.3"	4' 2.0"	4' 1.6"	4' 1.1"	4' 0.3"
	F	4' 3.3"	4' 3.5"	4' 3.7"	4' 4.0"	4' 4.5"	4' 5.1"	4' 6.0"
4' 9"	N	4' 5.6"	4' 5.4"	4' 5.2"	4' 4.9"	4' 4.4"	4' 3.8"	4' 3.0"
	F	4' 6.4"	4' 6.6"	4' 6.8"	4' 7.2"	4' 7.7"	4' 8.4"	4' 9.5"
5'	N	4' 8.6"	4' 8.4"	4' 8.1"	4' 7.7"	4' 7.2"	4' 6.5"	4' 5.6"
	F	4' 9.4"	4' 9.7"	4' 9.9"	4' 10.3"	4' 10.9"	4' 11.7"	5' 0.9"
5' 3"	N	4' 11.5"	4' 11.3"	4' 11.0"	4' 10.6"	4' 10.0"	4' 9.3"	4' 8.2"
	F	5' 0.5"	5' 0.7"	5' 1.0"	5' 1.5"	5' 2.1"	5' 3.1"	5' 4.4"
5' 6"	N	5' 5.4"	5' 5.1"	5' 4.8"	5' 4.3"	5' 3.6"	5' 2.6"	5' 1.3"
	F	5' 6.6"	5' 6.9"	5' 7.3"	5' 7.8"	5' 8.6"	5' 9.8"	5' 11.5"
5' 9"	N	5' 11.3"	5' 10.9"	5' 10.5"	5' 9.9"	5' 9.1"	5' 7.9"	5' 6.4"
	F	6' 0.7"	6' 1.1"	6' 1.6"	6' 2.2"	6' 3.2"	6' 4.6"	6' 6.7"
6'	N	6' 5.2"	6' 4.7"	6' 4.2"	6' 3.5"	6' 2.5"	6' 1.2"	5' 11.4"
	F	6' 6.8"	6' 7.3"	6' 7.9"	6' 8.7"	6' 9.8"	6' 11.5"	7' 2.1"
6' 3"	N	6' 11.0"	6' 10.5"	6' 9.9"	6' 9.1"	6' 7.9"	6' 6.4"	6' 4.3"
	F	7' 1.0"	7' 1.5"	7' 2.2"	7' 3.1"	7' 4.5"	7' 6.6"	7' 9.6"
6' 6"	N	7' 4.9"	7' 4.3"	7' 3.6"	7' 2.6"	7' 1.3"	6' 11.5"	6' 9.1"
	F	7' 7.2"	7' 7.8"	7' 8.6"	7' 9.7"	7' 11.3"	8' 1.6"	8' 5.2"
6' 9"	N	7' 10.7"	7' 10.0"	7' 9.2"	7' 8.1"	7' 6.6"	7' 4.6"	7' 1.9"
	F	8' 1.3"	8' 2.1"	8' 2.9"	8' 4.2"	8' 6.1"	8' 8.8"	9' 1.0"
7'	N	8' 4.5"	8' 3.8"	8' 2.9"	8' 1.6"	7' 11.9"	7' 9.6"	7' 6.6"
	F	8' 7.5"	8' 8.3"	8' 9.4"	8' 10.8"	9' 0.9"	9' 4.1"	9' 9.0"
8'	N	8' 10.3"	8' 9.5"	8' 8.5"	8' 7.1"	8' 5.2"	8' 2.6"	7' 11.2"
	F	9' 1.7"	9' 2.7"	9' 3.8"	9' 5.4"	9' 7.9"	9' 11.5"	10' 5.1"
9'	N	9' 9.9"	9' 8.9"	9' 7.6"	9' 5.9"	9' 3.5"	9' 0.4"	8' 8.2"
	F	10' 2.1"	10' 3.3"	10' 4.8"	10' 6.8"	10' 9.9"	11' 2.6"	11' 9.7"
10'	N	11' 9.0"	11' 7.4"	11' 5.6"	11' 3.1"	10' 11.8"	10' 7.3"	10' 1.5"
	F	12' 3.1"	12' 4.9"	12' 7.0"	12' 10.2"	13' 2.8"	13' 9.9"	14' 9.2"
12'	N	14' 7.2"	14' 4.8"	14' 2.0"	13' 10.1"	13' 5.0"	12' 10.3"	12' 1.7"
	F	15' 5.0"	15' 7.9"	15' 11.3"	16' 4.5"	17' 0.2"	18' 0.3"	19' 8.2"
15'	N	19' 3.5"	18' 11.1"	18' 6.2"	17' 11.6"	17' 2.9"	16' 3.8"	15' 2.0"
	F	20' 9.2"	21' 2.4"	21' 8.9"	22' 6.8"	23' 10.0"	25' 10.8"	29' 6.3"
20'	N	28' 4.9"	27' 7.4"	26' 8.9"	25' 7.0"	24' 1.5"	22' 3.8"	20' 2.3"
	F	31' 9.4"	32' 10.1"	34' 2.2"	36' 3.4"	39' 8.9"	45' 11.5"	59' 0.4"
30'	N	37' 2.3"	35' 10.1"	34' 4.4"	32' 5.7"	30' 1.6"	27' 4.1"	24' 2.3"
	F	43' 3.2"	45' 3.2"	47' 10.5"	52' 1.7"	59' 8.0"	74' 12.0"	117' 11.9"
60'	N	53' 10.3"	51' 0.5"	48' 0.9"	44' 5.1"	40' 1.5"	35' 3.6"	30' 2.2"
	F	67' 8.9"	72' 9.6"	79' 10.5"	92' 7.3"	119' 7.3"	203' 9.2"	78643' 6.8"
120'	N	97' 6.7"	88' 7.7"	79' 11.9"	70' 3.6"	60' 0.4"	49' 9.3"	40' 1.3"
	F	155' 11.0"	185' 11.0"	240' 9.2"	413' 5.7"	INF	INF	INF
Infinity	N	517' 5.6"	336' 5.7"	238' 0.4"	168' 4.9"	119' 2.1"	84' 4.4"	59' 9.1"
	F	INF	INF	INF	INF	INF	INF	INF

PANCHRO/^Ω
Classic

135mm

Imperial

Hs(ft & in)		Hyperfocal Setting						
		T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
		910' 11.8"	637' 11.1"	451' 4.0"	319' 4.3"	226' 0.6"	160' 0.9"	113' 5.1"
Depth of Field								
U	Feet	T/2.8	T/4	T/5.6	T/8	T/11	T/16	T/22
2' 9"	N	2' 8.9"	2' 8.9"	2' 8.9"	2' 8.8"	2' 8.8"	2' 8.7"	2' 8.6"
	F	2' 9.1"	2' 9.1"	2' 9.1"	2' 9.2"	2' 9.2"	2' 9.3"	2' 9.4"
3'	N	2' 11.9"	2' 11.9"	2' 11.9"	2' 11.8"	2' 11.7"	2' 11.6"	2' 11.4"
	F	3' 0.1"	3' 0.1"	3' 0.1"	3' 0.2"	3' 0.3"	3' 0.4"	3' 0.6"
3' 3"	N	3' 2.9"	3' 2.9"	3' 2.8"	3' 2.8"	3' 2.7"	3' 2.5"	3' 2.3"
	F	3' 3.1"	3' 3.1"	3' 3.2"	3' 3.2"	3' 3.4"	3' 3.5"	3' 3.7"
3' 6"	N	3' 5.9"	3' 5.9"	3' 5.8"	3' 5.7"	3' 5.6"	3' 5.4"	3' 5.2"
	F	3' 6.1"	3' 6.2"	3' 6.2"	3' 6.3"	3' 6.4"	3' 6.6"	3' 6.9"
3' 9"	N	3' 8.9"	3' 8.8"	3' 8.7"	3' 8.6"	3' 8.5"	3' 8.3"	3' 8.0"
	F	3' 9.1"	3' 9.2"	3' 9.3"	3' 9.4"	3' 9.5"	3' 9.7"	3' 10.0"
4'	N	3' 11.9"	3' 11.8"	3' 11.7"	3' 11.6"	3' 11.4"	3' 11.2"	3' 10.8"
	F	4' 0.1"	4' 0.2"	4' 0.3"	4' 0.4"	4' 0.6"	4' 0.9"	4' 1.2"
4' 3"	N	4' 2.8"	4' 2.8"	4' 2.7"	4' 2.5"	4' 2.3"	4' 2.0"	4' 1.7"
	F	4' 3.2"	4' 3.2"	4' 3.3"	4' 3.5"	4' 3.7"	4' 4.0"	4' 4.4"
4' 6"	N	4' 5.8"	4' 5.7"	4' 5.6"	4' 5.4"	4' 5.2"	4' 4.9"	4' 4.5"
	F	4' 6.2"	4' 6.3"	4' 6.4"	4' 6.6"	4' 6.8"	4' 7.1"	4' 7.6"
4' 9"	N	4' 8.8"	4' 8.7"	4' 8.6"	4' 8.4"	4' 8.1"	4' 7.8"	4' 7.3"
	F	4' 9.2"	4' 9.3"	4' 9.5"	4' 9.6"	4' 9.9"	4' 10.3"	4' 10.9"
5'	N	4' 11.7"	4' 11.6"	4' 11.5"	4' 11.3"	4' 11.0"	4' 10.6"	4' 10.0"
	F	5' 0.3"	5' 0.4"	5' 0.5"	5' 0.7"	5' 1.0"	5' 1.5"	5' 2.1"
5' 6"	N	5' 5.7"	5' 5.6"	5' 5.4"	5' 5.1"	5' 4.8"	5' 4.3"	5' 3.6"
	F	5' 6.3"	5' 6.5"	5' 6.6"	5' 6.9"	5' 7.3"	5' 7.8"	5' 8.6"
6'	N	5' 11.6"	5' 11.5"	5' 11.2"	5' 10.9"	5' 10.5"	5' 9.9"	5' 9.1"
	F	6' 0.4"	6' 0.5"	6' 0.8"	6' 1.1"	6' 1.6"	6' 2.3"	6' 3.2"
6' 6"	N	6' 5.5"	6' 5.4"	6' 5.1"	6' 4.7"	6' 4.2"	6' 3.5"	6' 2.5"
	F	6' 6.5"	6' 6.7"	6' 6.9"	6' 7.3"	6' 7.9"	6' 8.7"	6' 9.9"
7'	N	6' 11.5"	6' 11.2"	6' 10.9"	6' 10.5"	6' 9.9"	6' 9.0"	6' 7.9"
	F	7' 0.5"	7' 0.8"	7' 1.1"	7' 1.6"	7' 2.2"	7' 3.2"	7' 4.6"
7' 6"	N	7' 5.4"	7' 5.1"	7' 4.8"	7' 4.2"	7' 3.5"	7' 2.6"	7' 1.2"
	F	7' 6.6"	7' 6.9"	7' 7.3"	7' 7.8"	7' 8.6"	7' 9.7"	7' 11.4"
8'	N	7' 11.3"	7' 11.0"	7' 10.6"	7' 10.0"	7' 9.2"	7' 8.1"	7' 6.5"
	F	8' 0.7"	8' 1.0"	8' 1.5"	8' 2.1"	8' 3.0"	8' 4.3"	8' 6.2"
8' 6"	N	8' 5.2"	8' 4.8"	8' 4.4"	8' 3.7"	8' 2.8"	8' 1.5"	7' 11.8"
	F	8' 6.8"	8' 7.2"	8' 7.7"	8' 8.4"	8' 9.4"	8' 10.9"	9' 1.1"
9'	N	8' 11.1"	8' 10.7"	8' 10.2"	8' 9.4"	8' 8.4"	8' 6.9"	8' 5.0"
	F	9' 0.9"	9' 1.3"	9' 1.9"	9' 2.7"	9' 3.9"	9' 5.6"	9' 8.1"
10'	N	9' 10.8"	9' 10.4"	9' 9.7"	9' 8.8"	9' 7.5"	9' 5.7"	9' 3.3"
	F	10' 1.2"	10' 1.7"	10' 2.4"	10' 3.4"	10' 4.9"	10' 7.1"	10' 10.3"
11'	N	10' 10.6"	10' 10.0"	10' 9.2"	10' 8.0"	10' 6.5"	10' 4.3"	10' 1.4"
	F	11' 1.4"	11' 2.1"	11' 2.9"	11' 4.2"	11' 6.0"	11' 8.7"	12' 0.7"
12'	N	11' 10.3"	11' 9.6"	11' 8.6"	11' 7.3"	11' 5.4"	11' 2.8"	10' 11.4"
	F	12' 1.7"	12' 2.5"	12' 3.6"	12' 5.1"	12' 7.3"	12' 10.5"	13' 3.4"
13'	N	12' 10.0"	12' 9.2"	12' 8.0"	12' 6.4"	12' 4.2"	12' 1.2"	11' 9.2"
	F	13' 2.1"	13' 3.0"	13' 4.2"	13' 6.0"	13' 8.7"	14' 0.6"	14' 6.4"
15'	N	14' 9.3"	14' 8.2"	14' 6.6"	14' 4.5"	14' 1.6"	13' 9.6"	13' 4.4"
	F	15' 2.8"	15' 4.0"	15' 5.7"	15' 8.2"	15' 11.8"	16' 5.2"	17' 1.3"
17'	N	16' 8.5"	16' 7.1"	16' 5.1"	16' 2.3"	15' 10.6"	15' 5.6"	14' 10.9"
	F	17' 3.6"	17' 5.2"	17' 7.4"	17' 10.7"	18' 3.5"	18' 10.6"	19' 9.5"
20'	N	19' 7.1"	19' 5.1"	19' 2.4"	18' 10.6"	18' 5.5"	17' 10.7"	17' 1.7"
	F	20' 5.1"	20' 7.3"	20' 10.5"	21' 3.1"	21' 10.0"	22' 8.3"	24' 0.4"
25'	N	24' 4.3"	24' 1.2"	23' 8.9"	23' 3.1"	22' 7.3"	21' 9.0"	20' 7.7"
	F	25' 8.1"	25' 11.7"	26' 4.8"	27' 0.3"	27' 11.6"	29' 5.0"	31' 8.9"
30'	N	29' 0.9"	28' 8.4"	28' 2.4"	27' 6.1"	26' 7.2"	25' 4.9"	23' 10.8"
	F	30' 11.8"	31' 5.1"	32' 0.6"	32' 11.9"	34' 5.0"	36' 7.8"	40' 4.5"
40'	N	38' 4.4"	37' 8.4"	36' 9.9"	35' 7.9"	34' 1.5"	32' 2.1"	29' 9.2"
	F	41' 9.4"	42' 7.2"	43' 9.3"	45' 6.8"	48' 4.2"	52' 11.3"	61' 2.0"
60'	N	56' 4.3"	54' 11.2"	53' 0.9"	50' 7.8"	47' 7.1"	43' 10.1"	39' 5.4"
	F	64' 1.8"	66' 1.3"	69' 0.3"	73' 7.4"	81' 3.2"	95' 3.5"	126' 1.3"
120'	N	106' 1.7"	101' 1.7"	94' 11.6"	87' 5.1"	78' 7.2"	68' 9.5"	58' 5.8"
	F	138' 0.4"	147' 6.5"	163' 0.6"	191' 6.5"	254' 5.9"	475' 11.1"	INF
Infinity	N	910' 6.6"	637' 5.9"	450' 10.9"	318' 11.1"	225' 7.5"	159' 7.7"	112' 11.9"
Infinity	F	INF	INF	INF	INF	INF	INF	INF

PANCHRO/⁸
Classic

152mm

Imperial

Hs(ft & in)	U	Hyperfocal Setting						
		T/3.2	T/4	T/5.6	T/8	T/11	T/16	T/22
		993' 6.9"	795' 0.5"	562' 5.7"	397' 11.8"	281' 8.2"	199' 5.4"	141' 3.6"
Depth of Field								
Feet		T/3.2	T/4	T/5.6	T/8	T/11	T/16	T/22
3' 6"	N	3' 5.9"	3' 5.9"	3' 5.8"	3' 5.8"	3' 5.7"	3' 5.6"	3' 5.4"
	F	3' 6.1"	3' 6.1"	3' 6.2"	3' 6.2"	3' 6.3"	3' 6.4"	3' 6.6"
3' 9"	N	3' 8.9"	3' 8.9"	3' 8.8"	3' 8.7"	3' 8.6"	3' 8.5"	3' 8.3"
	F	3' 9.1"	3' 9.1"	3' 9.2"	3' 9.3"	3' 9.4"	3' 9.5"	3' 9.8"
4'	N	3' 11.9"	3' 11.8"	3' 11.8"	3' 11.7"	3' 11.6"	3' 11.4"	3' 11.1"
	F	4' 0.1"	4' 0.2"	4' 0.2"	4' 0.3"	4' 0.4"	4' 0.6"	4' 0.9"
4' 3"	N	4' 2.9"	4' 2.8"	4' 2.7"	4' 2.6"	4' 2.5"	4' 2.3"	4' 2.0"
	F	4' 3.1"	4' 3.2"	4' 3.3"	4' 3.4"	4' 3.5"	4' 3.7"	4' 4.1"
4' 6"	N	4' 5.8"	4' 5.8"	4' 5.7"	4' 5.6"	4' 5.4"	4' 5.2"	4' 4.8"
	F	4' 6.2"	4' 6.2"	4' 6.3"	4' 6.4"	4' 6.6"	4' 6.9"	4' 7.2"
4' 9"	N	4' 8.8"	4' 8.8"	4' 8.7"	4' 8.5"	4' 8.3"	4' 8.1"	4' 7.7"
	F	4' 9.2"	4' 9.2"	4' 9.3"	4' 9.5"	4' 9.7"	4' 10.0"	4' 10.4"
5'	N	4' 11.8"	4' 11.7"	4' 11.6"	4' 11.5"	4' 11.2"	4' 10.9"	4' 10.5"
	F	5' 0.2"	5' 0.3"	5' 0.4"	5' 0.5"	5' 0.8"	5' 1.1"	5' 1.6"
5' 3"	N	5' 2.8"	5' 2.7"	5' 2.6"	5' 2.4"	5' 2.1"	5' 1.8"	5' 1.3"
	F	5' 3.2"	5' 3.3"	5' 3.4"	5' 3.6"	5' 3.9"	5' 4.2"	5' 4.8"
5' 6"	N	5' 5.7"	5' 5.7"	5' 5.5"	5' 5.3"	5' 5.1"	5' 4.7"	5' 4.1"
	F	5' 6.3"	5' 6.3"	5' 6.5"	5' 6.7"	5' 7.0"	5' 7.4"	5' 8.0"
5' 9"	N	5' 8.7"	5' 8.6"	5' 8.5"	5' 8.3"	5' 7.9"	5' 7.5"	5' 6.9"
	F	5' 9.3"	5' 9.4"	5' 9.5"	5' 9.8"	5' 10.1"	5' 10.6"	5' 11.2"
6'	N	5' 11.7"	5' 11.6"	5' 11.4"	5' 11.2"	5' 10.8"	5' 10.4"	5' 9.7"
	F	6' 0.3"	6' 0.4"	6' 0.6"	6' 0.8"	6' 1.2"	6' 1.7"	6' 2.5"
6' 6"	N	6' 5.6"	6' 5.5"	6' 5.3"	6' 5.0"	6' 4.6"	6' 4.0"	6' 3.3"
	F	6' 6.4"	6' 6.5"	6' 6.7"	6' 7.0"	6' 7.4"	6' 8.1"	6' 9.0"
7'	N	6' 11.5"	6' 11.4"	6' 11.2"	6' 10.8"	6' 10.4"	6' 9.7"	6' 8.8"
	F	7' 0.5"	7' 0.6"	7' 0.8"	7' 1.2"	7' 1.7"	7' 2.4"	7' 3.5"
8'	N	7' 11.4"	7' 11.2"	7' 10.9"	7' 10.4"	7' 9.8"	7' 8.9"	7' 7.7"
	F	8' 0.6"	8' 0.8"	8' 1.1"	8' 1.6"	8' 2.3"	8' 3.3"	8' 4.8"
9'	N	8' 11.2"	8' 11.0"	8' 10.6"	8' 10.0"	8' 9.2"	8' 8.0"	8' 6.5"
	F	9' 0.8"	9' 1.0"	9' 1.5"	9' 2.1"	9' 3.0"	9' 4.3"	9' 6.2"
10'	N	9' 11.0"	9' 10.7"	9' 10.2"	9' 9.5"	9' 8.4"	9' 7.0"	9' 5.1"
	F	10' 1.1"	10' 1.3"	10' 1.9"	10' 2.7"	10' 3.8"	10' 5.5"	10' 7.9"
11'	N	10' 10.7"	10' 10.4"	10' 9.8"	10' 8.9"	10' 7.6"	10' 5.9"	10' 3.6"
	F	11' 1.3"	11' 1.6"	11' 2.3"	11' 3.3"	11' 4.7"	11' 6.7"	11' 9.7"
12'	N	11' 10.5"	11' 10.1"	11' 9.3"	11' 8.3"	11' 6.8"	11' 4.7"	11' 1.9"
	F	12' 1.6"	12' 2.0"	12' 2.8"	12' 4.0"	12' 5.7"	12' 8.2"	12' 11.8"
13'	N	12' 10.2"	12' 9.8"	12' 8.8"	12' 7.6"	12' 5.8"	12' 3.4"	12' 0.1"
	F	13' 1.8"	13' 2.3"	13' 3.3"	13' 4.7"	13' 6.7"	13' 9.7"	14' 2.1"
15'	N	14' 9.6"	14' 9.0"	14' 7.7"	14' 6.0"	14' 3.7"	14' 0.5"	13' 8.1"
	F	15' 2.5"	15' 3.1"	15' 4.5"	15' 6.4"	15' 9.2"	16' 1.3"	16' 7.4"
17'	N	16' 8.8"	16' 8.1"	16' 6.5"	16' 4.3"	16' 1.3"	15' 9.1"	15' 3.6"
	F	17' 3.3"	17' 4.1"	17' 5.8"	17' 8.4"	18' 0.0"	18' 5.5"	19' 1.6"
20'	N	19' 7.6"	19' 6.5"	19' 4.3"	19' 1.3"	18' 9.1"	18' 3.4"	17' 8.0"
	F	20' 4.6"	20' 5.8"	20' 8.2"	20' 11.8"	21' 5.1"	22' 0.9"	23' 0.9"
25'	N	24' 5.0"	24' 3.3"	23' 11.9"	23' 7.2"	23' 0.7"	22' 4.1"	21' 4.9"
	F	25' 7.3"	25' 9.2"	26' 1.2"	26' 7.0"	27' 3.6"	28' 4.6"	30' 1.0"
30'	N	29' 1.9"	28' 11.5"	28' 6.5"	27' 11.8"	27' 2.7"	26' 2.7"	24' 11.2"
	F	30' 10.7"	31' 1.5"	31' 7.4"	32' 4.0"	33' 5.0"	35' 0.8"	37' 8.6"
40'	N	38' 6.0"	38' 1.7"	37' 5.1"	36' 5.5"	35' 2.0"	33' 5.9"	31' 4.7"
	F	41' 7.4"	42' 0.6"	42' 11.5"	44' 3.8"	46' 4.7"	49' 8.3"	55' 3.1"
60'	N	56' 7.9"	55' 10.5"	54' 4.0"	52' 3.4"	49' 7.8"	46' 4.1"	42' 4.3"
	F	63' 9.2"	64' 9.4"	67' 0.0"	70' 4.9"	75' 10.5"	85' 2.8"	103' 3.3"
80'	N	74' 1.6"	72' 9.5"	70' 2.2"	66' 9.4"	62' 6.2"	57' 4.0"	51' 4.0"
	F	86' 10.6"	88' 9.6"	93' 0.5"	99' 9.4"	111' 2.3"	132' 8.1"	182' 7.6"
120'	N	107' 2.3"	104' 4.9"	99' 1.0"	92' 5.0"	84' 4.7"	75' 2.1"	65' 1.5"
	F	136' 3.6"	141' 1.1"	152' 2.1"	171' 2.6"	208' 0.7"	299' 2.5"	788' 5.2"
240'	N	193' 6.0"	184' 6.8"	168' 5.6"	149' 11.6"	129' 9.9"	109' 1.4"	89' 0.8"
	F	316' 0.1"	343' 2.3"	417' 7.4"	602' 6.6"	1614' 1.3"	INF	INF
Infinity	N	993' 1.2"	794' 6.9"	562' 0.0"	397' 6.1"	281' 2.5"	198' 11.7"	140' 9.9"
	F	INF	INF	INF	INF	INF	INF	INF

