

Back-to-Front Correction Table

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A'/f=	1	1.05	1.1	1.15	1.2	1.25	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2	2.25	2.5	2.75	3
Magnification =	0	0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.25	1.5	1.75	2
Indicated Angle																		
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	1.00	0.95	0.91	0.87	0.83	0.80	0.77	0.71	0.67	0.63	0.59	0.56	0.53	0.50	0.44	0.40	0.36	0.33
2	2.00	1.91	1.82	1.74	1.67	1.60	1.54	1.43	1.33	1.25	1.18	1.11	1.05	1.00	0.89	0.80	0.73	0.67
3	3.00	2.86	2.73	2.61	2.50	2.40	2.31	2.15	2.00	1.88	1.77	1.67	1.58	1.50	1.33	1.20	1.09	1.00
4	4.01	3.82	3.64	3.49	3.34	3.21	3.08	2.86	2.67	2.50	2.36	2.23	2.11	2.00	1.78	1.60	1.46	1.34
5	5.02	4.78	4.56	4.36	4.18	4.01	3.86	3.58	3.34	3.13	2.95	2.79	2.64	2.51	2.23	2.01	1.82	1.67
6	6.03	5.74	5.48	5.24	5.02	4.82	4.64	4.31	4.02	3.77	3.54	3.35	3.17	3.01	2.68	2.41	2.19	2.01
7	7.05	6.72	6.41	6.13	5.87	5.64	5.42	5.03	4.70	4.40	4.14	3.91	3.71	3.52	3.13	2.82	2.56	2.35
8	8.08	7.69	7.34	7.02	6.73	6.46	6.21	5.76	5.38	5.04	4.74	4.48	4.24	4.03	3.58	3.22	2.93	2.69
9	9.11	8.68	8.28	7.92	7.58	7.28	7.00	6.50	6.06	5.68	5.35	5.05	4.78	4.54	4.04	3.63	3.30	3.03
10	10.16	9.67	9.22	8.82	8.45	8.11	7.80	7.24	6.75	6.33	5.95	5.62	5.32	5.06	4.49	4.04	3.68	3.37
11	11.21	10.67	10.18	9.73	9.32	8.95	8.60	7.98	7.45	6.98	6.57	6.20	5.87	5.58	4.96	4.46	4.05	3.71
12.5	12.81	12.19	11.63	11.11	10.65	10.22	9.82	9.11	8.50	7.96	7.49	7.07	6.70	6.36	5.65	5.09	4.62	4.24
15	15.54	14.78	14.10	13.47	12.90	12.38	11.89	11.03	10.29	9.64	9.07	8.56	8.11	7.70	6.84	6.15	5.59	5.12
17.5	18.38	17.47	16.66	15.91	15.23	14.61	14.04	13.02	12.13	11.37	10.69	10.09	9.55	9.07	8.06	7.25	6.58	6.03
20	21.34	20.28	19.32	18.45	17.66	16.93	16.26	15.07	14.04	13.15	12.36	11.67	11.04	10.49	9.31	8.37	7.61	6.97
22.5	24.47	23.23	22.12	21.11	20.19	19.35	18.58	17.21	16.03	15.00	14.10	13.30	12.59	11.95	10.61	9.54	8.66	7.94
25	27.79	26.37	25.08	23.92	22.87	21.90	21.02	19.46	18.11	16.94	15.92	15.01	14.21	13.48	11.96	10.75	9.76	8.94
27.5	31.37	29.72	28.24	26.91	25.71	24.61	23.61	21.83	20.31	18.99	17.83	16.81	15.90	15.09	13.38	12.02	10.91	9.99
30	35.26	33.36	31.66	30.14	28.76	27.51	26.37	24.36	22.64	21.15	19.85	18.71	17.69	16.78	14.87	13.35	12.12	11.10

Adequate accuracy may be achieved using: True tilt required = indicated tilt times f/A'

Or, True tilt = indicated tilt divided by (1 + Magnification)

A' (or M) is best measured on-axis before lens is tilted