

F/stop Table of Tenth-Stops, 1/10 EV

Stop Nbr	f/stop +0	f/stop Tenth EV steps									Thirds	
		+0.1	+0.2	+0.3	+0.4	+0.5	+0.6	+0.7	+0.8	+0.9	+1/3	+2/3
-2	f/0.5	0.5176	0.5359	0.5548	0.5743	0.5946	0.6156	0.6373	0.6598	0.6830	0.5612	0.6300
-1	f/0.7071	0.7320	0.7579	0.7846	0.8123	0.8409	0.8706	0.9013	0.9330	0.9659	0.7937	0.8909
0	f/1	1.035	1.072	1.110	1.149	1.189	1.231	1.275	1.320	1.366	1.122	1.260
1	f/1.414	1.464	1.516	1.569	1.625	1.682	1.741	1.803	1.866	1.932	1.587	1.782
2	f/2	2.071	2.144	2.219	2.297	2.378	2.462	2.549	2.639	2.732	2.245	2.520
3	f/2.828	2.928	3.031	3.138	3.249	3.364	3.482	3.605	3.732	3.864	3.175	3.564
4	f/4	4.141	4.287	4.438	4.595	4.757	4.925	5.098	5.278	5.464	4.490	5.040
5	f/5.657	5.856	6.063	6.277	6.498	6.727	6.964	7.210	7.464	7.727	6.350	7.127
6	f/8	8.282	8.574	8.877	9.190	9.514	9.849	10.20	10.56	10.93	8.980	10.08
7	f/11.31	11.71	12.13	12.55	13.00	13.45	13.93	14.42	14.93	15.45	12.70	14.25
8	f/16	16.56	17.15	17.75	18.38	19.03	19.70	20.39	21.11	21.86	17.96	20.16
9	f/22.63	23.43	24.25	25.11	25.99	26.91	27.86	28.84	29.86	30.91	25.40	28.51
10	f/32	33.13	34.30	35.51	36.76	38.05	39.40	40.79	42.22	43.71	35.92	40.32
11	f/45.25	46.85	48.50	50.21	51.98	53.82	55.72	57.68	59.71	61.82	50.80	57.02
12	f/64	66.26	68.59	71.01	73.52	76.11	78.79	81.57	84.45	87.43	71.84	80.63

Notes: $f/\text{stop} = \sqrt{2}$ (stop number + fraction) ($\sqrt{2}$ is 1.41421)

e.g., 2/10 stops past f/11 (stop number 7) is $\sqrt{2}^{7.2} = f/12.126$

Or 1/3 stop past f/11 is $\sqrt{2}^{7.3333} = f/12.698$