

Canon 60D DOF Chart

16mm

Canon 60D, 60Da, 50D, 40D Focal Length: 14 mm																				
Distance (feet)	f/1.4		f/2		f/2.8		f/4		f/5.6		f/8		f/11		f/16		f/22		f/32	
	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far
1	0' 11.5"	1' 0.5"	0' 11.4"	1' 0.7"	0' 11.1"	1' 1"	0' 10.8"	1' 1.5"	0' 10.3"	1' 2.3"	0' 9.8"	1' 3.5"	0' 9.1"	1' 5.6"	0' 8.3"	1' 9.9"	0' 7.3"	2' 9.1"	0' 6.3"	10' 3"
2	1' 10.2"	2' 2.1"	1' 9.5"	2' 3.1"	1' 8.6"	2' 4.7"	1' 7.5"	2' 7.2"	1' 6.1"	2' 11.6"	1' 4.4"	3' 8.6"	1' 2.5"	5' 9.2"	1' 0.5"	26' 3"	0' 10.4"	∞	0' 8.4"	∞
3	2' 8"	3' 5.1"	2' 6.6"	3' 7.6"	2' 4.9"	3' 11.8"	2' 2.7"	4' 7.3"	2' 0.1"	5' 11.1"	1' 9.2"	9' 11.3"	1' 6.1"	240'	1' 3"	∞	1' 0.1"	∞	0' 9.5"	∞
4	3' 5.2"	4' 9.5"	3' 2.9"	5' 2.6"	3' 0.1"	5' 11.7"	2' 8.7"	7' 6.1"	2' 4.9"	11' 10"	2' 0.8"	61'	1' 8.7"	∞	1' 4.7"	∞	1' 1.2"	∞	0' 10.1"	∞
5	4' 1.7"	6' 3.7"	3' 10.4"	7' 0.8"	3' 6.4"	8' 6.4"	3' 1.8"	12' 1"	2' 8.8"	29' 1"	2' 3.6"	∞	1' 10.6"	∞	1' 6"	∞	1' 1.9"	∞	0' 10.6"	∞
6	4' 9.7"	7' 11.8"	4' 5.3"	9' 3.1"	4' 0.1"	11' 11"	3' 6.3"	20' 3"	3' 0.1"	1245'	2' 5.9"	∞	2' 0.1"	∞	1' 6.9"	∞	1' 2.5"	∞	0' 10.9"	∞
7	5' 5.1"	9' 10.4"	4' 11.5"	11' 11"	4' 5.1"	16' 9"	3' 10.1"	39' 4"	3' 2.8"	∞	2' 7.8"	∞	2' 1.3"	∞	1' 7.6"	∞	1' 2.9"	∞	0' 11.1"	∞
8	6' 0.1"	12' 0"	5' 5.3"	15' 1"	4' 9.7"	23' 10"	4' 1.5"	133'	3' 5.2"	∞	2' 9.3"	∞	2' 2.2"	∞	1' 8.2"	∞	1' 3.2"	∞	0' 11.3"	∞
9	6' 6.6"	14' 5"	5' 10.6"	19' 1"	5' 1.8"	35' 9"	4' 4.5"	∞	3' 7.3"	∞	2' 10.7"	∞	2' 3"	∞	1' 8.6"	∞	1' 3.5"	∞	0' 11.4"	∞
10	7' 0.7"	17' 2"	6' 3.6"	24' 3"	5' 5.5"	59'	4' 7.1"	∞	3' 9"	∞	2' 11.8"	∞	2' 3.7"	∞	1' 9"	∞	1' 3.7"	∞	0' 11.5"	∞
12	8' 0"	24' 0"	7' 0.4"	40' 11"	6' 0"	12217'	4' 11.7"	∞	4' 0"	∞	3' 1.6"	∞	2' 4.8"	∞	1' 9.6"	∞	1' 4"	∞	0' 11.7"	∞
14	8' 10.1"	33' 7"	7' 8.1"	80'	6' 5.6"	∞	5' 3.4"	∞	4' 2.4"	∞	3' 3.1"	∞	2' 5.7"	∞	1' 10.1"	∞	1' 4.3"	∞	0' 11.8"	∞
16	9' 7.2"	48' 0"	8' 2.8"	280'	6' 10.3"	∞	5' 6.5"	∞	4' 4.4"	∞	3' 4.2"	∞	2' 6.3"	∞	1' 10.5"	∞	1' 4.5"	∞	0' 11.9"	∞
18	10' 3"	72'	8' 8.8"	∞	7' 2.4"	∞	5' 9.2"	∞	4' 6"	∞	3' 5.2"	∞	2' 6.8"	∞	1' 10.8"	∞	1' 4.6"	∞	1' 0"	∞
20	10' 11"	120'	9' 2.1"	∞	7' 6"	∞	5' 11.5"	∞	4' 7.4"	∞	3' 6"	∞	2' 7.3"	∞	1' 11"	∞	1' 4.7"	∞	1' 0.1"	∞
30	13' 4"	∞	10' 10"	∞	8' 6.8"	∞	6' 7.3"	∞	4' 11.9"	∞	3' 8.6"	∞	2' 8.7"	∞	1' 11.7"	∞	1' 5.1"	∞	1' 0.3"	∞
40	15' 0"	∞	11' 11"	∞	9' 2.6"	∞	6' 11.9"	∞	5' 2.5"	∞	3' 10"	∞	2' 9.4"	∞	2' 0.1"	∞	1' 5.3"	∞	1' 0.4"	∞
50	16' 2"	∞	12' 8"	∞	9' 7.9"	∞	7' 2.9"	∞	5' 4.2"	∞	3' 10.8"	∞	2' 9.9"	∞	2' 0.4"	∞	1' 5.4"	∞	1' 0.4"	∞
75	18' 2"	∞	13' 10"	∞	10' 4"	∞	7' 7.3"	∞	5' 6.5"	∞	4' 0.1"	∞	2' 10.5"	∞	2' 0.7"	∞	1' 5.6"	∞	1' 0.5"	∞
100	19' 4"	∞	14' 6"	∞	10' 8"	∞	7' 9.7"	∞	5' 7.8"	∞	4' 0.7"	∞	2' 10.9"	∞	2' 0.9"	∞	1' 5.7"	∞	1' 0.6"	∞
∞	24' 0"	∞	17' 0"	∞	12' 0"	∞	8' 6.1"	∞	6' 0.3"	∞	4' 3.3"	∞	3' 0.4"	∞	2' 1.9"	∞	1' 6.5"	∞	1' 1.2"	∞
Hyperfocal Distance	24' 0"		17' 0"		12' 0"		8' 6.1"		6' 0.3"		4' 3.3"		3' 0.4"		2' 1.9"		1' 6.5"		1' 1.2"	

Circle of confusion: 0.019 mm

24mm

Canon 60D, 60Da, 50D, 40D Focal Length: 24 mm																				
Distance (feet)	f/1.4		f/2		f/2.8		f/4		f/5.6		f/8		f/11		f/16		f/22		f/32	
	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far
1	0' 11.8"	1' 0.2"	0' 11.8"	1' 0.2"	0' 11.7"	1' 0.3"	0' 11.6"	1' 0.5"	0' 11.4"	1' 0.7"	0' 11.2"	1' 1"	0' 10.9"	1' 1.4"	0' 10.5"	1' 2.1"	0' 9.9"	1' 3.2"	0' 9.3"	1' 5.1"
2	1' 11.4"	2' 0.7"	1' 11.1"	2' 1"	1' 10.8"	2' 1.4"	1' 10.3"	2' 2"	1' 9.6"	2' 2.9"	1' 8.8"	2' 4.4"	1' 7.7"	2' 6.7"	1' 6.3"	2' 10.7"	1' 4.7"	3' 6.6"	1' 2.8"	5' 2.8"
3	2' 10.6"	3' 1.6"	2' 10"	3' 2.2"	2' 9.2"	3' 3.3"	2' 8.2"	3' 4.8"	2' 6.9"	3' 7.2"	2' 5.2"	3' 11.1"	2' 3"	4' 5.9"	2' 0.5"	5' 7.9"	1' 9.6"	8' 11.3"	1' 6.6"	49' 11"
4	3' 9.5"	4' 2.8"	3' 8.5"	4' 4.1"	3' 7.2"	4' 6"	3' 5.5"	4' 9"	3' 3.2"	5' 1.8"	3' 0.5"	5' 10.1"	2' 9.2"	7' 2.6"	2' 5.4"	10' 10"	2' 1.4"	37' 1"	1' 9.2"	∞
5	4' 8.1"	5' 4.5"	4' 6.6"	5' 6.6"	4' 4.6"	5' 9.8"	4' 2.1"	6' 2.8"	3' 10.9"	6' 11.3"	3' 7"	8' 3.3"	3' 2.5"	11' 4"	2' 9.5"	24' 0"	2' 4.3"	∞	1' 11.2"	∞
6	5' 6.4"	6' 6.6"	5' 4.3"	6' 9.7"	5' 1.6"	7' 2.6"	4' 10.2"	7' 10.5"	4' 5.9"	9' 0.6"	4' 0.8"	11' 6"	3' 7"	18' 5"	3' 0.9"	126'	2' 6.7"	∞	2' 0.8"	∞
7	6' 4.5"	7' 9.2"	6' 1.7"	8' 1.6"	5' 10.2"	8' 8.6"	5' 5.7"	9' 8.4"	5' 0.3"	11' 7"	4' 6"	15' 10"	3' 11"	32' 11"	3' 3.7"	∞	2' 8.6"	∞	2' 2"	∞
8	7' 2.3"	9' 0.2"	6' 10.8"	9' 6.2"	6' 6.4"	10' 4"	6' 0.8"	11' 9"	5' 6.2"	14' 7"	4' 10.6"	22' 1"	4' 2.5"	81'	3' 6.2"	∞	2' 10.3"	∞	2' 3.1"	∞
9	7' 11.8"	10' 4"	7' 7.6"	11' 0"	7' 2.1"	12' 1"	6' 7.5"	14' 0"	5' 11.6"	18' 3"	5' 2.9"	31' 10"	4' 5.6"	∞	3' 8.4"	∞	2' 11.6"	∞	2' 3.9"	∞
10	8' 9.2"	11' 8"	8' 4"	12' 6"	7' 9.6"	13' 11"	7' 1.8"	16' 8"	6' 4.7"	22' 11"	5' 6.7"	49' 6"	4' 8.4"	∞	3' 10.2"	∞	3' 0.8"	∞	2' 4.6"	∞
12	10' 3"	14' 5"	9' 8.2"	15' 9"	8' 11.5"	18' 2"	8' 1.3"	23' 1"	7' 1.8"	37' 3"	6' 1.5"	292'	5' 1.1"	∞	4' 1.4"	∞	3' 2.8"	∞	2' 5.8"	∞
14	11' 8"	17' 6"	10' 11"	19' 5"	10' 0"	23' 2"	8' 11.7"	31' 10"	7' 9.8"	67'	6' 7.3"	∞	5' 5"	∞	4' 3.9"	∞	3' 4.3"	∞	2' 6.7"	∞
16	13' 1"	20' 8"	12' 1"	23' 6"	11' 0"	29' 3"	9' 9.1"	44' 6"	8' 4.8"	169'	7' 0.2"	∞	5' 8.3"	∞	4' 5.9"	∞	3' 5.5"	∞	2' 7.4"	∞
18	14' 4"	24' 2"	13' 3"	28' 2"	11' 11"	36' 9"	10' 6"	64'	8' 11"	∞	7' 4.5"	∞	5' 11.1"	∞	4' 7.6"	∞	3' 6.5"	∞	2' 7.9"	∞
20	15' 7"	27' 11"	14' 3"	33' 4"	12' 9"	46' 2"	11' 1"	101'	9' 4.5"	∞	7' 8.2"	∞	6' 1.5"	∞	4' 9.1"	∞	3' 7.4"	∞	2' 8.4"	∞
30	21' 1"	52'	18' 9"	75'	16' 3"	201'	13' 7"	∞	11' 1"	∞	8' 9.7"	∞	6' 9.8"	∞	5' 1.9"	∞	3' 10.1"	∞	2' 9.9"	∞
40	25' 6"	93'	22' 2"	203'	18' 9"	∞	15' 4"	∞	12' 3"	∞	9' 6"	∞	7' 2.6"	∞	5' 4.7"	∞	3' 11.6"	∞	2' 10.7"	∞
50	29' 3"	172'	24' 11"	∞	20' 8"	∞	16' 8"	∞	13' 0"	∞	9' 11.6"	∞	7' 5.8"	∞	5' 6.4"	∞	4' 0.6"	∞	2' 11.2"	∞
75	36' 4"	∞	29' 11"	∞	24' 0"	∞	18' 8"	∞	14' 3"	∞	10' 8"	∞	7' 10.5"	∞	5' 9"	∞	4' 1.9"	∞	2' 11.8"	∞
100	41' 4"	∞	33' 3"	∞	26' 0"	∞	19' 11"	∞	15' 0"	∞	11' 1"	∞	8' 1"	∞	5' 10.3"	∞	4' 2.6"	∞	3' 0.2"	∞
∞	70'	∞	49' 10"	∞	35' 3"	∞	24' 11"	∞	17' 8"	∞	12' 6"	∞	8' 10.4"	∞	6' 3.5"	∞	4' 5.7"	∞	3' 2.2"	∞
Hyperfocal Distance	70'		49' 10"		35' 3"		24' 11"		17' 8"		12' 6"		8' 10.4"		6' 3.5"		4' 5.7"		3' 2.2"	

Circle of confusion: 0.019 mm

35mm

Canon 60D, 60Da, 50D, 40D Focal Length: 35 mm																				
Distance (feet)	f/1.4		f/2		f/2.8		f/4		f/5.6		f/8		f/11		f/16		f/22		f/32	
	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far
1	0' 11.9"	1' 0.1"	0' 11.9"	1' 0.1"	0' 11.9"	1' 0.1"	0' 11.8"	1' 0.2"	0' 11.7"	1' 0.3"	0' 11.6"	1' 0.4"	0' 11.5"	1' 0.6"	0' 11.2"	1' 0.9"	0' 11"	1' 1.3"	0' 10.6"	1' 1.9"
2	1' 11.7"	2' 0.3"	1' 11.6"	2' 0.4"	1' 11.4"	2' 0.6"	1' 11.2"	2' 0.9"	1' 10.8"	2' 1.3"	1' 10.4"	2' 1.8"	1' 9.8"	2' 2.7"	1' 9"	2' 4"	1' 8"	2' 6.1"	1' 6.7"	2' 9.6"
3	2' 11.3"	3' 0.7"	2' 11"	3' 1"	2' 10.7"	3' 1.4"	2' 10.1"	3' 2.1"	2' 9.4"	3' 3"	2' 8.5"	3' 4.4"	2' 7.2"	3' 6.6"	2' 5.6"	3' 10"	2' 3.5"	4' 4.1"	2' 1.1"	5' 3.9"
4	3' 10.8"	4' 1.3"	3' 10.3"	4' 1.8"	3' 9.6"	4' 2.6"	3' 8.7"	4' 3.8"	3' 7.5"	4' 5.6"	3' 5.9"	4' 8.3"	3' 3.7"	5' 0.6"	3' 1.1"	5' 8"	2' 9.9"	6' 10.1"	2' 6.2"	9' 8.4"
5	4' 10.1"	5' 2"	4' 9.4"	5' 2.9"	4' 8.3"	5' 4.2"	4' 6.9"	5' 6.1"	4' 5.1"	5' 9"	4' 2.6"	6' 1.6"	3' 11.6"	6' 9.2"	3' 7.8"	7' 11.2"	3' 3.4"	10' 6"	2' 10.5"	19' 2"
6	5' 9.3"	6' 2.9"	5' 8.2"	6' 4.2"	5' 6.7"	6' 6.1"	5' 4.8"	6' 9"	5' 2.2"	7' 1.4"	4' 10.9"	7' 8.6"	4' 6.8"	8' 9.1"	4' 1.8"	10' 10"	3' 8.2"	16' 2"	3' 2.1"	55'
7	6' 8.3"	7' 4.1"	6' 6.9"	7' 5.8"	6' 4.9"	7' 8.5"	6' 2.3"	8' 0.6"	5' 10.9"	8' 7"	5' 6.6"	9' 5.6"	5' 1.4"	11' 1"	4' 7.2"	14' 7"	4' 0.4"	26' 7"	3' 5.1"	∞
8	7' 7.2"	8' 5.3"	7' 5.3"	8' 7.7"	7' 2.8"	8' 11.3"	6' 11.5"	9' 4.8"	6' 7.3"	10' 2"	6' 1.9"	11' 5"	5' 7.5"	13' 10"	5' 0.1"	19' 10"	4' 4.1"	51'	3' 7.8"	∞
9	8' 5.9"	9' 6.8"	8' 3.6"	9' 9.9"	8' 0.5"	10' 3"	7' 8.5"	10' 10"	7' 3.3"	11' 10"	6' 8.8"	13' 7"	6' 1.2"	17' 2"	5' 4.6"	27' 5"	4' 7.4"	182'	3' 10.1"	∞
10	9' 4.6"	10' 9"	9' 1.7"	11' 0"	8' 10"	11' 6"	8' 5.1"	12' 4"	7' 10.9"	13' 7"	7' 3.3"	16' 0"	6' 6.5"	21' 3"	5' 8.7"	39' 8"	4' 10.3"	∞	4' 0.1"	∞
12	11' 1"	13' 0"	10' 10"	13' 6"	10' 4"	14' 3"	9' 9.6"	15' 6"	9' 1.3"	17' 7"	8' 3.3"	21' 10"	7' 4"	32' 11"	6' 3.8"	119'	5' 3.4"	∞	4' 3.5"	∞
14	12' 10"	15' 5"	12' 5"	16' 1"	11' 10"	17' 2"	11' 1"	19' 0"	10' 3"	22' 3"	9' 2.2"	29' 6"	8' 0.4"	54'	6' 9.8"	∞	5' 7.6"	∞	4' 6.2"	∞
16	14' 6"	17' 11"	13' 11"	18' 10"	13' 2"	20' 4"	12' 4"	22' 10"	11' 3"	27' 10"	9' 11.9"	40' 1"	8' 7.8"	106'	7' 3.2"	∞	5' 11.1"	∞	4' 8.4"	∞
18	16' 1"	20' 5"	15' 5"	21' 8"	14' 6"	23' 8"	13' 5"	27' 2"	12' 2"	34' 6"	10' 9"	56'	9' 2.4"	415'	7' 7.8"	∞	6' 2.1"	∞	4' 10.3"	∞
20	17' 8"	23' 1"	16' 10"	24' 8"	15' 10"	27' 3"	14' 6"	32' 1"	13' 1"	42' 9"	11' 5"	81'	9' 8.3"	∞	7' 11.8"	∞	6' 4.7"	∞	4' 11.9"	∞
30	25' 0"	37' 6"	23' 5"	41' 10"	21' 5"	50' 0"	19' 2"	69'	16' 8"	149'	14' 1"	∞	11' 7"	∞	9' 2.4"	∞	7' 1.8"	∞	5' 5.2"	∞
40	31' 7"	55'	29' 1"	64'	26' 1"	86'	22' 10"	163'	19' 4"	∞	15' 11"	∞	12' 9"	∞	9' 11.5"	∞	7' 7.1"	∞	5' 8.2"	∞
50	37' 6"	75'	34' 0"	95'	30' 0"	150'	25' 9"	882'	21' 5"	∞	17' 4"	∞	13' 8"	∞	10' 6"	∞	7' 10.7"	∞	5' 10.2"	∞
75	50' 0"	150'	43' 11"	257'	37' 6"	∞	31' 1"	∞	25' 0"	∞	19' 7"	∞	15' 0"	∞	11' 3"	∞	8' 3.9"	∞	6' 1"	∞
100	60'	301'	51'	1799'	42' 10"	∞	34' 7"	∞	27' 3"	∞	20' 11"	∞	15' 9"	∞	11' 8"	∞	8' 6.7"	∞	6' 2.5"	∞
∞	150'	∞	106'	∞	75'	∞	53'	∞	37' 6"	∞	26' 7"	∞	18' 10"	∞	13' 4"	∞	9' 5.6"	∞	6' 8.7"	∞
Hyperfocal Distance	150'		106'		75'		53'		37' 6"		26' 7"		18' 10"		13' 4"		9' 5.6"		6' 8.7"	

Circle of confusion: 0.019 mm

50mm

Canon 60D, 60Da, 50D, 40D Focal Length: 50 mm																				
Distance (feet)	f/1.4		f/2		f/2.8		f/4		f/5.6		f/8		f/11		f/16		f/22		f/32	
	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far
1	1' 0"	1' 0"	1' 0"	1' 0"	0' 11.9"	1' 0.1"	0' 11.9"	1' 0.1"	0' 11.9"	1' 0.1"	0' 11.8"	1' 0.2"	0' 11.7"	1' 0.3"	0' 11.6"	1' 0.4"	0' 11.5"	1' 0.5"	0' 11.3"	1' 0.8"
2	1' 11.9"	2' 0.1"	1' 11.8"	2' 0.2"	1' 11.7"	2' 0.3"	1' 11.6"	2' 0.4"	1' 11.4"	2' 0.6"	1' 11.2"	2' 0.8"	1' 10.9"	2' 1.2"	1' 10.5"	2' 1.8"	1' 9.9"	2' 2.6"	1' 9.1"	2' 3.8"
3	2' 11.7"	3' 0.3"	2' 11.5"	3' 0.5"	2' 11.3"	3' 0.7"	2' 11.1"	3' 1"	2' 10.7"	3' 1.4"	2' 10.2"	3' 2"	2' 9.5"	3' 2.9"	2' 8.6"	3' 4.2"	2' 7.3"	3' 6.3"	2' 5.7"	3' 9.6"
4	3' 11.4"	4' 0.6"	3' 11.2"	4' 0.9"	3' 10.8"	4' 1.2"	3' 10.4"	4' 1.8"	3' 9.7"	4' 2.5"	3' 8.8"	4' 3.7"	3' 7.6"	4' 5.4"	3' 6"	4' 8"	3' 4"	5' 0.1"	3' 1.4"	5' 7.1"
5	4' 11.1"	5' 1"	4' 10.7"	5' 1.4"	4' 10.2"	5' 2"	4' 9.4"	5' 2.8"	4' 8.4"	5' 4.1"	4' 7.1"	5' 5.9"	4' 5.3"	5' 8.7"	4' 2.9"	6' 1.1"	3' 11.9"	6' 8.4"	3' 8.2"	7' 9.5"
6	5' 10.6"	6' 1.4"	5' 10.1"	6' 2"	5' 9.3"	6' 2.9"	5' 8.3"	6' 4.1"	5' 6.9"	6' 6"	5' 5"	6' 8.7"	5' 2.4"	7' 1"	4' 11.2"	7' 7.9"	4' 7.1"	8' 7.7"	4' 2.3"	10' 7"
7	6' 10.2"	7' 1.9"	6' 9.4"	7' 2.7"	6' 8.4"	7' 3.9"	6' 7"	7' 5.7"	6' 5.1"	7' 8.3"	6' 2.6"	8' 0.2"	5' 11.2"	8' 6.3"	5' 7"	9' 4.5"	5' 1.8"	10' 11"	4' 7.7"	14' 2"
8	7' 9.6"	8' 2.5"	7' 8.6"	8' 3.6"	7' 7.3"	8' 5.2"	7' 5.5"	8' 7.5"	7' 3.1"	8' 11"	6' 11.8"	9' 4.3"	6' 7.6"	10' 1"	6' 2.4"	11' 3"	5' 8"	13' 7"	5' 0.7"	19' 1"
9	8' 9"	9' 3.2"	8' 7.8"	9' 4.6"	8' 6.1"	9' 6.6"	8' 3.8"	9' 9.6"	8' 0.8"	10' 2"	7' 8.8"	10' 9"	7' 3.7"	11' 9"	6' 9.4"	13' 5"	6' 1.8"	16' 9"	5' 5.3"	26' 1"
10	9' 8.3"	10' 4"	9' 6.8"	10' 6"	9' 4.7"	10' 8"	9' 2"	11' 0"	8' 10.3"	11' 6"	8' 5.5"	12' 3"	7' 11.4"	13' 6"	7' 3.9"	15' 9"	6' 7.2"	20' 8"	5' 9.4"	36' 11"
12	11' 7"	12' 6"	11' 5"	12' 8"	11' 2"	13' 0"	10' 10"	13' 6"	10' 5"	14' 2"	9' 10.1"	15' 5"	9' 1.9"	17' 5"	8' 4.1"	21' 5"	7' 4.9"	31' 7"	6' 4.7"	98'
14	13' 5"	14' 8"	13' 2"	15' 0"	12' 10"	15' 5"	12' 5"	16' 1"	11' 10"	17' 1"	11' 2"	18' 10"	10' 3"	22' 0"	9' 3.1"	28' 9"	8' 1.4"	51'	6' 10.9"	∞
16	15' 3"	16' 11"	14' 11"	17' 3"	14' 6"	17' 10"	13' 11"	18' 9"	13' 3"	20' 2"	12' 4"	22' 8"	11' 4"	27' 4"	10' 1"	38' 9"	8' 8.9"	94'	7' 4.3"	∞
18	17' 0"	19' 1"	16' 8"	19' 8"	16' 1"	20' 5"	15' 5"	21' 7"	14' 7"	23' 6"	13' 6"	26' 11"	12' 3"	33' 10"	10' 10"	53'	9' 3.6"	276'	7' 9"	∞
20	18' 9"	21' 5"	18' 4"	22' 0"	17' 8"	23' 0"	16' 11"	24' 6"	15' 11"	27' 0"	14' 8"	31' 8"	13' 2"	41' 8"	11' 6"	76'	9' 9.7"	∞	8' 1.2"	∞
30	27' 4"	33' 3"	26' 4"	34' 10"	25' 1"	37' 4"	23' 6"	41' 6"	21' 7"	49' 3"	19' 4"	67'	16' 10"	138'	14' 3"	∞	11' 8"	∞	9' 4.1"	∞
40	35' 5"	46' 0"	33' 9"	49' 1"	31' 9"	54'	29' 3"	63'	26' 3"	84'	23' 0"	153'	19' 7"	∞	16' 2"	∞	12' 11"	∞	10' 1"	∞
50	43' 0"	60'	40' 8"	65'	37' 8"	74'	34' 3"	93'	30' 3"	144'	26' 0"	654'	21' 8"	∞	17' 7"	∞	13' 10"	∞	10' 8"	∞
75	60'	99'	56'	115'	50'	147'	44' 4"	245'	37' 10"	3876'	31' 5"	∞	25' 4"	∞	19' 11"	∞	15' 3"	∞	11' 6"	∞
100	75'	149'	68'	186'	60'	289'	52'	1335'	43' 4"	∞	35' 1"	∞	27' 8"	∞	21' 3"	∞	16' 1"	∞	11' 11"	∞
∞	305'	∞	216'	∞	153'	∞	108'	∞	76'	∞	54'	∞	38' 4"	∞	27' 2"	∞	19' 3"	∞	13' 8"	∞
Hyperfocal Distance	305'		216'		153'		108'		76'		54'		38' 4"		27' 2"		19' 3"		13' 8"	

Circle of confusion: 0.019 mm

85mm

Canon 60D, 60Da, 50D, 40D Focal Length: 85 mm

Distance (feet)	f/1.4		f/2		f/2.8		f/4		f/5.6		f/8		f/11		f/16		f/22		f/32	
	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far	Near	Far
1	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	1' 0"	0' 11.9"	1' 0.1"	0' 11.9"	1' 0.1"	0' 11.9"	1' 0.1"	0' 11.8"	1' 0.2"	0' 11.8"	1' 0.2"
2	2' 0"	2' 0"	1' 11.9"	2' 0.1"	1' 11.9"	2' 0.1"	1' 11.9"	2' 0.1"	1' 11.8"	2' 0.2"	1' 11.7"	2' 0.3"	1' 11.6"	2' 0.4"	1' 11.5"	2' 0.5"	1' 11.3"	2' 0.8"	1' 11"	2' 1.1"
3	2' 11.9"	3' 0.1"	2' 11.8"	3' 0.2"	2' 11.8"	3' 0.2"	2' 11.7"	3' 0.3"	2' 11.6"	3' 0.4"	2' 11.4"	3' 0.6"	2' 11.1"	3' 0.9"	2' 10.8"	3' 1.3"	2' 10.3"	3' 1.9"	2' 9.7"	3' 2.7"
4	3' 11.8"	4' 0.2"	3' 11.7"	4' 0.3"	3' 11.6"	4' 0.4"	3' 11.4"	4' 0.6"	3' 11.2"	4' 0.8"	3' 10.9"	4' 1.2"	3' 10.4"	4' 1.7"	3' 9.8"	4' 2.4"	3' 9"	4' 3.5"	3' 7.8"	4' 5.1"
5	4' 11.7"	5' 0.3"	4' 11.5"	5' 0.5"	4' 11.4"	5' 0.6"	4' 11.1"	5' 0.9"	4' 10.7"	5' 1.3"	4' 10.2"	5' 1.9"	4' 9.5"	5' 2.7"	4' 8.6"	5' 3.9"	4' 7.3"	5' 5.6"	4' 5.5"	5' 8.3"
6	5' 11.5"	6' 0.5"	5' 11.3"	6' 0.7"	5' 11.1"	6' 0.9"	5' 10.7"	6' 1.3"	5' 10.2"	6' 1.9"	5' 9.5"	6' 2.7"	5' 8.4"	6' 3.9"	5' 7.1"	6' 5.7"	5' 5.2"	6' 8.3"	5' 2.8"	7' 0.4"
7	6' 11.4"	7' 0.6"	6' 11.1"	7' 0.9"	6' 10.7"	7' 1.3"	6' 10.2"	7' 1.9"	6' 9.5"	7' 2.6"	6' 8.5"	7' 3.8"	6' 7.2"	7' 5.5"	6' 5.3"	7' 7.9"	6' 2.9"	7' 11.7"	5' 11.6"	8' 5.5"
8	7' 11.2"	8' 0.8"	7' 10.8"	8' 1.2"	7' 10.3"	8' 1.7"	7' 9.7"	8' 2.4"	7' 8.8"	8' 3.5"	7' 7.5"	8' 5"	7' 5.7"	8' 7.2"	7' 3.4"	8' 10.6"	7' 0.2"	9' 3.6"	6' 8.1"	9' 11.7"
9	8' 10.9"	9' 1.1"	8' 10.5"	9' 1.5"	8' 9.9"	9' 2.2"	8' 9.1"	9' 3.1"	8' 7.9"	9' 4.4"	8' 6.3"	9' 6.4"	8' 4.1"	9' 9.3"	8' 1.1"	10' 2"	7' 9.3"	10' 8"	7' 4.3"	11' 7"
10	9' 10.7"	10' 1"	9' 10.2"	10' 2"	9' 9.4"	10' 3"	9' 8.4"	10' 4"	9' 6.9"	10' 6"	9' 5"	10' 8"	9' 2.3"	11' 0"	8' 10.7"	11' 5"	8' 6"	12' 2"	8' 0.1"	13' 4"
12	11' 10"	12' 2"	11' 9"	12' 3"	11' 8"	12' 4"	11' 7"	12' 6"	11' 5"	12' 8"	11' 2"	13' 0"	10' 10"	13' 5"	10' 5"	14' 2"	9' 10.8"	15' 3"	9' 2.7"	17' 2"
14	13' 9"	14' 3"	13' 8"	14' 4"	13' 7"	14' 5"	13' 5"	14' 8"	13' 2"	14' 11"	12' 10"	15' 4"	12' 5"	16' 0"	11' 11"	17' 0"	11' 3"	18' 8"	10' 4"	21' 7"
16	15' 9"	16' 4"	15' 7"	16' 5"	15' 5"	16' 7"	15' 3"	16' 10"	14' 11"	17' 3"	14' 6"	17' 10"	14' 0"	18' 8"	13' 4"	20' 1"	12' 5"	22' 5"	11' 5"	26' 10"
18	17' 8"	18' 4"	17' 6"	18' 6"	17' 4"	18' 9"	17' 0"	19' 1"	16' 8"	19' 7"	16' 2"	20' 4"	15' 6"	21' 5"	14' 8"	23' 4"	13' 8"	26' 6"	12' 5"	33' 0"
20	19' 7"	20' 6"	19' 5"	20' 8"	19' 2"	20' 11"	18' 10"	21' 4"	18' 4"	22' 0"	17' 9"	22' 11"	17' 0"	24' 4"	16' 0"	26' 9"	14' 9"	31' 2"	13' 3"	40' 6"
30	29' 0"	31' 1"	28' 8"	31' 6"	28' 1"	32' 2"	27' 5"	33' 2"	26' 5"	34' 8"	25' 2"	37' 1"	23' 8"	41' 1"	21' 9"	48' 6"	19' 6"	65'	17' 0"	126'
40	38' 3"	41' 11"	37' 7"	42' 9"	36' 8"	44' 0"	35' 6"	45' 10"	33' 11"	48' 9"	31' 11"	54'	29' 5"	63'	26' 6"	82'	23' 3"	143'	19' 10"	∞
50	47' 4"	53'	46' 4"	54'	44' 11"	56'	43' 2"	59'	40' 10"	65'	37' 11"	73'	34' 6"	91'	30' 6"	138'	26' 4"	509'	22' 0"	∞
75	69'	82'	67'	85'	64'	90'	61'	99'	56'	113'	51'	144'	44' 9"	233'	38' 4"	1798'	31' 10"	∞	25' 9"	∞
100	90'	113'	86'	119'	82'	129'	76'	147'	69'	183'	61'	277'	53'	1045'	43' 11"	∞	35' 7"	∞	28' 1"	∞
∞	882'	∞	624'	∞	441'	∞	312'	∞	221'	∞	156'	∞	111'	∞	78'	∞	55'	∞	39' 3"	∞
Hyperfocal Distance	882'		624'		441'		312'		221'		156'		111'		78'		55'		39' 3"	

Circle of confusion: 0.019 mm