

Circle of Confusion		Hyperfocal Focus Distance Compact Sensors												
		0.022												
F Stop		Focal Length of Lens												
		50	15	20	35	50	80	100	135	175	200	300	400	600
1.4		81.17	7.31	12.99	39.77	81.17	207.79	324.68	591.72	994.32	1298.70	2922.08	5194.81	11688.31
1.8		63.13	5.68	10.10	30.93	63.13	161.62	252.53	460.23	773.36	1010.10	2272.73	4040.40	9090.91
2		56.82	5.11	9.09	27.84	56.82	145.45	227.27	414.20	696.02	909.09	2045.45	3636.36	8181.82
2		56.82	5.11	9.09	27.84	56.82	145.45	227.27	414.20	696.02	909.09	2045.45	3636.36	8181.82
8		14.20	1.28	2.27	6.96	14.20	36.36	56.82	103.55	174.01	227.27	511.36	909.09	2045.45
3		37.88	3.41	6.06	18.56	37.88	96.97	151.52	276.14	464.02	606.06	1363.64	2424.24	5454.55
4.5		25.25	2.27	4.04	12.37	25.25	64.65	101.01	184.09	309.34	404.04	909.09	1616.16	3636.36
5		22.73	2.05	3.64	11.14	22.73	58.18	90.91	165.68	278.41	363.64	818.18	1454.55	3272.73
5.6		20.29	1.83	3.25	9.94	20.29	51.95	81.17	147.93	248.58	324.68	730.52	1298.70	2922.08
6.3		18.04	1.62	2.89	8.84	18.04	46.18	72.15	131.49	220.96	288.60	649.35	1154.40	2597.40
7.1		16.01	1.44	2.56	7.84	16.01	40.97	64.02	116.68	196.06	256.08	576.18	1024.33	2304.74
8		14.20	1.28	2.27	6.96	14.20	36.36	56.82	103.55	174.01	227.27	511.36	909.09	2045.45
9		12.63	1.14	2.02	6.19	12.63	32.32	50.51	92.05	154.67	202.02	454.55	808.08	1818.18
10		11.36	1.02	1.82	5.57	11.36	29.09	45.45	82.84	139.20	181.82	409.09	727.27	1636.36
11		10.33	0.93	1.65	5.06	10.33	26.45	41.32	75.31	126.55	165.29	371.90	661.16	1487.60
13		8.74	0.79	1.40	4.28	8.74	22.38	34.97	63.72	107.08	139.86	314.69	559.44	1258.74
14		8.12	0.73	1.30	3.98	8.12	20.78	32.47	59.17	99.43	129.87	292.21	519.48	1168.83
16		7.10	0.64	1.14	3.48	7.10	18.18	28.41	51.78	87.00	113.64	255.68	454.55	1022.73
18		6.31	0.57	1.01	3.09	6.31	16.16	25.25	46.02	77.34	101.01	227.27	404.04	909.09
20		5.68	0.51	0.91	2.78	5.68	14.55	22.73	41.42	69.60	90.91	204.55	363.64	818.18
22		5.17	0.46	0.83	2.53	5.17	13.22	20.66	37.65	63.27	82.64	185.95	330.58	743.80
25		4.55	0.41	0.73	2.23	4.55	11.64	18.18	33.14	55.68	72.73	163.64	290.91	654.55
29		3.92	0.35	0.63	1.92	3.92	10.03	15.67	28.57	48.00	62.70	141.07	250.78	564.26
32		3.55	0.32	0.57	1.74	3.55	9.09	14.20	25.89	43.50	56.82	127.84	227.27	511.36

The above indicate the following : Distance in Mtrs
Focus Point from which everything from HALF that distance to INFINITY is in ACCEPTABLE FOCUS for the Focal Point of the Lens being used

For a 50mm lens @ F11 the Distance is 10.33 Mtrs. Therefore Acceptable Focus will be achieved from 5.16 Mtrs to INFINITY
Focus to 10.33 mtrs and take the Photo !!.

Formula used **Focal Length of Lens ^2/Circle of Confusion*F Stop**