# CHARTS FOR 10mm EXTREME WIDE ANGLE LENSES 

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FIELD SIZES

| Distance to Subject | Width |  | Height |  |
| :---: | :---: | :---: | :---: | :---: |
|  | ft . | in. | ft. | in. |
| 8" |  | 51/2 |  | 41/4 |
| $9{ }^{\prime \prime}$ |  | 61/2 |  | 5 |
| 10" |  | $71 / 2$ |  | 51/2 |
| 1 ' |  | 91/2 |  | 7 |
| $11 / 4^{\prime}$ | 1 |  |  | 9 |
| $11 / 2^{\prime}$ | 1 | 3 |  | $111 / 2$ |
| $2^{\prime}$ | 1 | 9 | 1 | 4 |
| $3{ }^{\prime}$ | 2 | 8 | 2 |  |
| $6^{\prime}$ | 5 | 8 | 4 | 3 |
| $30^{\prime}$ | 28 | 9 | 21 | 5 |

FIXED FOCUS SETTING

| $f / 1.6$ | $16^{\prime}$ |
| :---: | :---: |
| 2 | $11^{\prime}$ |
| 2.8 | $7^{\prime}$ |
| 4 | $4^{\prime}$ |
| 5.6 | $3^{\prime}$ |
| 8 | $2^{\prime}$ |
| 11 | $1 \frac{1}{\prime}$ |
| 16 | $1^{\prime}$ |
| 22 | $1 / 2^{\prime}$ |
|  | When the focusing scale is <br> set to this distance (hyper- <br> focal distance), the depth of <br> field extends from half this <br> distance to infinity. Dis-$\quad$tances are always measured <br> from the film plane. |

DEPTH OF FIELD
This table is based on a circle of confusion of $1 / 1000^{\prime \prime}$ for critical work.

| Distance to Subject | $m^{f / 1.6} \text { to }$ |  | $\text { from }^{\mathrm{f} / 1.9^{\prime}}$ |  | $\text { from }^{f / 2.8} \text { to }$ |  | $\mathrm{f} / 4$ |  | $\text { from }^{f 5 / 6}$ |  | f/8 |  | $\text { from }^{f / 11}$ |  | $\text { from }^{f / 16} \text { to }$ |  | $\text { from }^{f / 22}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $8{ }^{\prime \prime}$ | 71/2" | 81/2" | $71 / 2^{\prime \prime}$ | 9" | 7" | 9" | 61/2" | 10" | $6^{\prime \prime}$ | 11" | 51/2" | 1'1" | $5^{\prime \prime}$ | $1^{\prime} 4^{\prime \prime}$ | $41 / 2^{\prime \prime}$ | $2^{\prime \prime} 9^{\prime \prime}$ | $4^{\prime \prime}$ | inf. |
| 9" | 81/4" | $10^{\prime \prime}$ | $8^{\prime \prime}$ | $10^{\prime \prime}$ | 8" | $10^{\prime \prime}$ | 71/2" | $111 / 2^{\prime \prime}$ | $7 \prime$ | $13^{\prime \prime}$ | $6^{\prime \prime}$ | 1'6' | 51/2" | $2^{\prime \prime}{ }^{\prime \prime}$ | 5" | $5^{\prime} 0^{\prime \prime}$ | $4^{\prime \prime}$ | inf. |
| 10' | 9'1 | 11" | 9" | 11" | 81/2" | $1^{\prime} 0^{\prime \prime}$ | $8^{\prime \prime}$ | 1'1' | 71/2" | $1^{\prime} 3^{\prime \prime}$ | 61/2" | 1'8" | $6^{\prime \prime}$ | 2'4' | 5" | inf. | $4^{\prime \prime}$ | inf. |
| $1^{\prime}$ | 11" | $1^{1} 11 / 2^{\prime \prime}$ | $10^{\prime \prime}$ | 1'2' | $10^{\prime \prime}$ | $1^{\prime} 3^{\prime \prime}$ | 9" | 1^5" | 81/2" | 1'8' | 71/2" | 2'4" | 61/2" | $4^{\prime \prime} 5^{\prime \prime}$ | 51/2" | inf. | 41/2" | inf. |
| $1^{1 / 4}{ }^{\prime}$ | $1^{\prime} 1^{\prime \prime}$ | $1^{\prime} 51 / 2^{\prime \prime}$ | $1^{\prime} 1^{\prime \prime}$ | $1^{\prime \prime} 6^{\prime \prime}$ | $1^{\prime} 0^{\prime \prime}$ | $1^{\prime} 8^{\prime \prime}$ | 11" | $2^{\prime} 0^{\prime \prime}$ | $10^{\prime \prime}$ | $2^{\prime} 7^{\prime \prime}$ | 81/2" | 4'6' | 8' | inf. | $6^{\prime \prime}$ | inf. | $5^{\prime \prime}$ | inf. |
| $11 / 2^{\prime}$ | $1^{\prime} 31 / 2^{\prime \prime}$ | $1^{\prime} 10^{\prime \prime}$ | $1^{\prime} 3^{\prime \prime}$ | $1^{\prime} 11^{\prime \prime}$ | $1^{\prime} 2^{\prime \prime}$ | $2^{\prime 2}{ }^{\prime \prime}$ | 1'0' | 2'8' | 11" | $4^{\prime} 0^{\prime \prime}$ | 91/2" | 12^0" | 81/2" | inf. | 61/2" | inf. | $5^{\prime \prime}$ | inf. |
| $2^{\prime}$ | 1'7" | 2'7'' | 1'6' | $2^{\prime} 10^{\prime \prime}$ | 1'5" | 3'5' | 1'3'' | 4'10" | $1^{\prime} 1^{\prime \prime}$ | 13'0' ${ }^{\prime \prime}$ | 11" | inf. | 9" | inf. | $7{ }^{\prime \prime}$ | inf. | $51 / 2^{\prime \prime}$ | inf. |
| $3^{\prime}$ | 2'2' | 4’8' | 2'1' | 5'4' | $1^{\prime} 10^{\prime \prime}$ | $8^{\prime} 0^{\prime \prime}$ | $1^{\prime} 7^{\prime \prime}$ | $27^{\prime \prime} 0^{\prime \prime}$ | $1^{\prime} 4^{\prime \prime}$ | inf. | 1'1' ${ }^{\prime \prime}$ | inf. | 101/2" | inf. | 8' | inf. | $6^{\prime \prime}$ | inf. |
| $6^{\prime}$ | 3'6' | 22'0' | $3^{\prime \prime}{ }^{\prime \prime}$ | $52^{\prime} 0^{\prime \prime}$ | $2^{\prime \prime} 8^{\prime \prime}$ | inf. | 2'1' | inf. | 1'8' | inf. | '14'4 | inf. | $1^{\prime} 0^{\prime \prime}$ | inf. | 9" | inf. | $61 / 2^{\prime \prime}$ | inf. |
| $30^{\prime}$ | 6'6' | inf. | 5'4' | inf. | $4^{\prime} 1^{\prime \prime}$ | inf. | $3^{\prime} 0^{\prime \prime}$ | inf. | $2^{\prime} 2^{\prime \prime}$ | inf. | 1'7' | inf. | 1'2' | inf. | 10" | inf. | 7" | inf. |
| inf. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

