



# Depth of Field Tables in feet

for

## Lightweight Zoom LWZ.2

circle of confusion: 0.025 mm

[15.5mm](#)

[17mm](#)

[18mm](#)

[19mm](#)

[20mm](#)

[22mm](#)

[24mm](#)

[26mm](#)

[28mm](#)

[30mm](#)

[35mm](#)

[40mm](#)

[45mm](#)

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 15.5 mm

| Engraving           | T-Stop      |            |             |            |            |            |
|---------------------|-------------|------------|-------------|------------|------------|------------|
|                     | 2.6         |            | 2.8         |            | 4          |            |
| hyperfocal distance | 14' 5" feet |            | 14' 1" feet |            | 9' 2" feet |            |
| feet                | from        | to         | from        | to         | from       | to         |
| INF                 | 14' 7 1/2"  | INF        | 14' 3 3/4"  | INF        | 11' 5 3/4" | INF        |
| 60'                 | 11' 11 3/4" | INF        | 11' 9 1/4"  | INF        | 9' 10"     | INF        |
| 30'                 | 10' 1 3/4"  | INF        | 10'         | INF        | 8' 7"      | INF        |
| 15'                 | 7' 9"       | INF        | 7' 8"       | INF        | 6' 10 1/4" | INF        |
| 12'                 | 6' 11 1/4"  | 6' 1 1/4"  | 6' 10 1/2"  | 6' 8 1/2"  | 6' 2 3/4"  | INF        |
| 10'                 | 6' 3 1/4"   | 28' 9 1/2" | 6' 2 3/4"   | 30' 4 1/2" | 5' 8 1/4"  | INF        |
| 8'                  | 5' 6"       | 16' 3/4"   | 5' 5 1/2"   | 16' 6 1/4" | 5' 3/4"    | 48' 7 1/2" |
| 7'                  | 5' 1/2"     | 12' 2 1/2" | 5'          | 12' 5 3/4" | 4' 8 1/4"  | 24' 1 3/4" |
| 6'                  | 4' 6 1/2"   | 9' 3"      | 4' 6 1/4"   | 9' 4 3/4"  | 4' 3"      | 14' 5 1/2" |
| 5' 6"               | 4' 3 1/4"   | 8' 1/4"    | 4' 3"       | 8' 1 1/2"  | 4' 1/4"    | 11' 6 1/2" |
| 5'                  | 3' 11 3/4"  | 6' 11"     | 3' 11 3/4"  | 7'         | 3' 9 1/4"  | 9' 3 1/4"  |
| 4' 6"               | 3' 8 1/4"   | 5' 11"     | 3' 8"       | 5' 11 3/4" | 3' 6 1/4"  | 7' 6"      |
| 4'                  | 3' 4 1/2"   | 5' 1/4"    | 3' 4 1/4"   | 5' 3/4"    | 3' 2 3/4"  | 6' 1/2"    |
| 3' 6"               | 3' 1/2"     | 4' 2 1/2"  | 3' 1/4"     | 4' 2 3/4"  | 2' 11"     | 4' 10 1/4" |
| 3'                  | 2' 8"       | 3' 5 1/2"  | 2' 8"       | 3' 5 1/2"  | 2' 7 1/4"  | 3' 10"     |
| 2' 6"               | 2' 3 1/2"   | 2' 9 1/4"  | 2' 3 1/2"   | 2' 9 1/4"  | 2' 3"      | 2' 11 3/4" |
| 2'                  | 1' 10 3/4"  | 2' 1 1/2"  | 1' 10 3/4"  | 2' 1 3/4"  | 1' 10 1/4" | 2' 2 3/4"  |
| 22"                 | 1' 9"       | 1' 11 1/4" | 1' 9"       | 1' 11 1/4" | 1' 8 3/4"  | 2'         |
| 21"                 | 1' 8 1/4"   | 1' 10"     | 1' 8"       | 1' 10"     | 1' 8"      | 1' 10 3/4" |
| 20"                 | 1' 7 1/4"   | 1' 8 3/4"  | 1' 7 1/4"   | 1' 9"      | 1' 7"      | 1' 9 1/2"  |
| 19"                 | 1' 6 1/2"   | 1' 7 3/4"  | 1' 6 1/4"   | 1' 7 3/4"  | 1' 6 1/4"  | 1' 8 1/4"  |
| 18"                 | 1' 5 1/2"   | 1' 6 1/2"  | 1' 5 1/2"   | 1' 6 1/2"  | 1' 5 1/4"  | 1' 7"      |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 15.5 mm

| Engraving           | T-Stop     |             |            |             |            |             |
|---------------------|------------|-------------|------------|-------------|------------|-------------|
|                     | 5.6        |             | 8          |             | 11         |             |
| hyperfocal distance | 6' 3" feet |             | 4' 7" feet |             | 3' 7" feet |             |
| feet                | from       | to          | from       | to          | from       | to          |
| INF                 | 9' 5 1/2"  | 9' 5 1/2"   | 9' 5 1/2"  | 9' 5 1/2"   | 9' 5 1/2"  | INF         |
| 60'                 | 8' 4"      | INF         | 6' 4"      | INF         | 4' 7 1/4"  | INF         |
| 30'                 | 7' 5 1/4"  | INF         | 5' 10"     | INF         | 4' 4 1/4"  | INF         |
| 15'                 | 6' 1 1/2"  | INF         | 5' 1/2"    | INF         | 3' 11 1/4" | INF         |
| 12'                 | 5' 7 1/2"  | INF         | 4' 8 1/2"  | INF         | 3' 9"      | INF         |
| 10'                 | 5' 2 1/2"  | INF         | 4' 5 1/4"  | INF         | 3' 7"      | INF         |
| 8'                  | 4' 8 1/4"  | INF         | 4' 3/4"    | INF         | 3' 4 1/4"  | INF         |
| 7'                  | 4' 4 1/2"  | INF         | 3' 10"     | INF         | 3' 2 1/2"  | INF         |
| 6'                  | 4'         | 142' 6 3/4" | 3' 6 3/4"  | INF         | 3' 1/2"    | INF         |
| 5' 6"               | 3' 9 3/4"  | 38' 1"      | 3' 5"      | INF         | 2' 11 1/4" | INF         |
| 5'                  | 3' 7"      | 20' 3 1/2"  | 3' 3"      | INF         | 2' 9 3/4"  | INF         |
| 4' 6"               | 3' 4 1/4"  | 12' 11 1/4" | 3' 3/4"    | 202' 2 3/4" | 2' 8 1/4"  | INF         |
| 4'                  | 3' 1 1/4"  | 8' 11"      | 2' 10 1/4" | 22' 11 1/2" | 2' 6 1/2"  | INF         |
| 3' 6"               | 2' 10"     | 6' 4 3/4"   | 2' 7 1/2"  | 10' 9 1/4"  | 2' 4 1/2"  | 261' 9"     |
| 3'                  | 2' 6 1/4"  | 4' 7 3/4"   | 2' 4 1/2"  | 6' 4 1/4"   | 2' 2 1/4"  | 12' 11 1/4" |
| 2' 6"               | 2' 2 1/4"  | 3' 4 1/2"   | 2' 1 1/4"  | 4' 3/4"     | 1' 11 1/2" | 5' 7 1/2"   |
| 2'                  | 1' 10"     | 2' 4 3/4"   | 1' 9 1/4"  | 2' 7 3/4"   | 1' 8 1/4"  | 3' 1 1/4"   |
| 22"                 | 1' 8 1/2"  | 2' 1 1/2"   | 1' 8"      | 2' 3 1/2"   | 1' 7"      | 2' 7"       |
| 21"                 | 1' 7 3/4"  | 2'          | 1' 7 1/4"  | 2' 1 3/4"   | 1' 6 1/2"  | 2' 4 1/4"   |
| 20"                 | 1' 6 3/4"  | 1' 10 1/2"  | 1' 6 1/2"  | 1' 11 3/4"  | 1' 5 3/4"  | 2' 2"       |
| 19"                 | 1' 6"      | 1' 9"       | 1' 5 3/4"  | 1' 10"      | 1' 5 1/4"  | 1' 11 3/4"  |
| 18"                 | 1' 5 1/4"  | 1' 7 1/2"   | 1' 5"      | 1' 8 1/2"   | 1' 4 1/2"  | 1' 9 3/4"   |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 15.5 mm

| Engraving           | T-Stop     |             |            |           |
|---------------------|------------|-------------|------------|-----------|
|                     | 16         |             | 22         |           |
| hyperfocal distance | 2' 9" feet |             | 2' 3" feet |           |
|                     | from       | to          | from       | to        |
| feet                |            |             |            |           |
| INF                 | 3' 6"      | INF         | 2' 7"      | INF       |
| 60'                 | 3' 4 1/2"  | INF         | 2' 6 1/2"  | INF       |
| 30'                 | 3' 3"      | INF         | 2' 5 3/4"  | INF       |
| 15'                 | 3' 1 1/2"  | INF         | 2' 4 1/2"  | INF       |
| 12'                 | 2' 11 1/4" | INF         | 2' 3 3/4"  | INF       |
| 10'                 | 2' 10 1/4" | INF         | 2' 3 1/4"  | INF       |
| 8'                  | 2' 8 3/4"  | INF         | 2' 2 1/2"  | INF       |
| 7'                  | 2' 7 3/4"  | INF         | 2' 2"      | INF       |
| 6'                  | 2' 6 1/2"  | INF         | 2' 1 1/4"  | INF       |
| 5' 6"               | 2' 5 3/4"  | INF         | 2' 3/4"    | INF       |
| 5'                  | 2' 4 3/4"  | INF         | 2' 1/4"    | INF       |
| 4' 6"               | 2' 3 3/4"  | INF         | 1' 11 1/2" | INF       |
| 4'                  | 2' 2 1/2"  | INF         | 1' 10 3/4" | INF       |
| 3' 6"               | 2' 1 1/4"  | INF         | 1' 10"     | INF       |
| 3'                  | 1' 11 1/2" | INF         | 1' 9"      | INF       |
| 2' 6"               | 1' 9 1/2"  | 13' 10 1/2" | 1' 7 1/2"  | INF       |
| 2'                  | 1' 7"      | 4' 1 3/4"   | 1' 5 3/4"  | 9' 5"     |
| 22"                 | 1' 6"      | 3' 2"       | 1' 5"      | 5' 1"     |
| 21"                 | 1' 5 1/2"  | 2' 9 3/4"   | 1' 4 1/2"  | 4' 1/2"   |
| 20"                 | 1' 5"      | 2' 6"       | 1' 4"      | 3' 3 3/4" |
| 19"                 | 1' 4 1/2"  | 2' 2 3/4"   | 1' 3 3/4"  | 2' 9 1/2" |
| 18"                 | 1' 4"      | 2'          | 1' 3 1/4"  | 2' 4 1/2" |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 17 mm

| Engraving           | T-Stop      |             |             |             |            |             |
|---------------------|-------------|-------------|-------------|-------------|------------|-------------|
|                     | 2.6         |             | 2.8         |             | 4          |             |
| hyperfocal distance | 16' 5" feet |             | 16' 1" feet |             | 11' feet   |             |
| feet                | from        | to          | from        | to          | from       | to          |
| INF                 | 16' 7"      | INF         | 16' 2"      | INF         | 12' 4 3/4" | INF         |
| 60'                 | 13' 2 3/4"  | INF         | 12' 11 3/4" | INF         | 10' 5 1/2" | INF         |
| 30'                 | 11'         | INF         | 10' 10"     | INF         | 9' 3/4"    | INF         |
| 15'                 | 8' 2 3/4"   | 146' 2"     | 8' 1 1/2"   | 185' 7 3/4" | 7' 1 3/4"  | INF         |
| 12'                 | 7' 3 3/4"   | 39' 11 3/4" | 7' 2 3/4"   | 42' 4 3/4"  | 6' 5 1/2"  | INF         |
| 10'                 | 6' 6 3/4"   | 23' 2"      | 6' 6 1/4"   | 23' 11 1/4" | 5' 10 1/2" | 100' 8 1/4" |
| 8'                  | 5' 8 1/2"   | 14' 2 1/2"  | 5' 8"       | 14' 6"      | 5' 2 1/4"  | 26' 1/4"    |
| 7'                  | 5' 2 1/2"   | 11' 1 3/4"  | 5' 2 1/4"   | 11' 3 3/4"  | 4' 9 1/2"  | 17' 1/4"    |
| 6'                  | 4' 8"       | 8' 7 3/4"   | 4' 7 3/4"   | 8' 9"       | 4' 4 1/4"  | 11' 8"      |
| 5' 6"               | 4' 4 3/4"   | 7' 7"       | 4' 4 1/2"   | 7' 7 3/4"   | 4' 1 1/4"  | 9' 8 1/2"   |
| 5'                  | 4' 1"       | 6' 7 1/4"   | 4' 3/4"     | 6' 7 3/4"   | 3' 10 1/4" | 8' 1 1/4"   |
| 4' 6"               | 3' 9 1/4"   | 5' 8 1/4"   | 3' 9"       | 5' 8 3/4"   | 3' 6 3/4"  | 6' 8 3/4"   |
| 4'                  | 3' 5 1/4"   | 4' 10 1/4"  | 3' 5"       | 4' 10 3/4"  | 3' 3 1/4"  | 5' 6 3/4"   |
| 3' 6"               | 3' 1"       | 4' 1 1/4"   | 3' 3/4"     | 4' 1 1/2"   | 2' 11 1/2" | 4' 6 1/2"   |
| 3'                  | 2' 8 1/2"   | 3' 4 3/4"   | 2' 8 1/2"   | 3' 4 3/4"   | 2' 7 1/2"  | 3' 8"       |
| 2' 6"               | 2' 3 3/4"   | 2' 8 3/4"   | 2' 3 3/4"   | 2' 8 3/4"   | 2' 3 1/4"  | 2' 10 1/2"  |
| 2'                  | 1' 10 3/4"  | 2' 1 1/2"   | 1' 10 3/4"  | 2' 1 1/2"   | 1' 10 1/2" | 2' 2 1/4"   |
| 22"                 | 1' 9"       | 1' 11"      | 1' 9"       | 1' 11"      | 1' 8 3/4"  | 1' 11 3/4"  |
| 21"                 | 1' 8 1/4"   | 1' 10"      | 1' 8 1/4"   | 1' 10"      | 1' 8"      | 1' 10 1/2"  |
| 20"                 | 1' 7 1/4"   | 1' 8 3/4"   | 1' 7 1/4"   | 1' 8 3/4"   | 1' 7"      | 1' 9 1/4"   |
| 19"                 | 1' 6 1/2"   | 1' 7 1/2"   | 1' 6 1/2"   | 1' 7 3/4"   | 1' 6 1/4"  | 1' 8"       |
| 18"                 | 1' 5 1/2"   | 1' 6 1/2"   | 1' 5 1/2"   | 1' 6 1/2"   | 1' 5 1/2"  | 1' 6 3/4"   |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 17 mm

| Engraving           | T-Stop     |             |            |            |             |              |
|---------------------|------------|-------------|------------|------------|-------------|--------------|
|                     | 5.6        |             | 8          |            | 11          |              |
| hyperfocal distance | 7' 3" feet |             | 5' 3" feet |            | 3' 11" feet |              |
| feet                | from       | to          | from       | to         | from        | to           |
| INF                 | 10' 1/4"   | INF         | 7' 4 1/2"  | INF        | 5' 3"       | INF          |
| 60'                 | 8' 9"      | INF         | 6' 8 1/2"  | INF        | 4' 11"      | INF          |
| 30'                 | 7' 9 1/4"  | INF         | 6' 1 3/4"  | INF        | 4' 7 3/4"   | INF          |
| 15'                 | 6' 4"      | INF         | 5' 3"      | INF        | 4' 1 3/4"   | INF          |
| 12'                 | 5' 9 3/4"  | INF         | 4' 10 3/4" | INF        | 3' 11 1/4"  | INF          |
| 10'                 | 5' 4 1/4"  | INF         | 4' 7"      | INF        | 3' 9"       | INF          |
| 8'                  | 4' 9 1/2"  | INF         | 4' 2 1/4"  | INF        | 3' 6"       | INF          |
| 7'                  | 4' 5 1/2"  | 147' 3 1/4" | 3' 11 1/4" | INF        | 3' 4 1/4"   | INF          |
| 6'                  | 4' 1"      | 27' 10 1/4" | 3' 8"      | INF        | 3' 1 3/4"   | INF          |
| 5' 6"               | 3' 10 1/2" | 18' 4 3/4"  | 3' 6"      | INF        | 3' 1/2"     | INF          |
| 5'                  | 3' 7 3/4"  | 13' 1"      | 3' 3 3/4"  | 65' 4 1/2" | 2' 11"      | INF          |
| 4' 6"               | 3' 4 3/4"  | 9' 8"       | 3' 1 1/2"  | 22' 4 1/2" | 2' 9 1/4"   | INF          |
| 4'                  | 3' 1 3/4"  | 7' 3 3/4"   | 2' 11"     | 12' 3 3/4" | 2' 7 1/2"   | 267' 11 1/4" |
| 3' 6"               | 2' 10 1/4" | 5' 6 3/4"   | 2' 8"      | 7' 10"     | 2' 5 1/4"   | 17' 11 1/4"  |
| 3'                  | 2' 6 1/2"  | 4' 2 3/4"   | 2' 5"      | 5' 3 1/2"  | 2' 2 3/4"   | 8' 3/4"      |
| 2' 6"               | 2' 2 1/2"  | 3' 2"       | 2' 1 1/2"  | 3' 7 3/4"  | 2'          | 4' 7"        |
| 2'                  | 1' 10"     | 2' 3 3/4"   | 1' 9 1/2"  | 2' 6"      | 1' 8 1/2"   | 2' 9 3/4"    |
| 22"                 | 1' 8 1/2"  | 2' 3/4"     | 1' 8"      | 2' 2 1/2"  | 1' 7 1/4"   | 2' 5"        |
| 21"                 | 1' 7 3/4"  | 1' 11 1/4"  | 1' 7 1/4"  | 2' 3/4"    | 1' 6 3/4"   | 2' 2 3/4"    |
| 20"                 | 1' 7"      | 1' 10"      | 1' 6 1/2"  | 1' 11"     | 1' 6"       | 2' 3/4"      |
| 19"                 | 1' 6"      | 1' 8 1/2"   | 1' 5 3/4"  | 1' 9 1/2"  | 1' 5 1/4"   | 1' 10 3/4"   |
| 18"                 | 1' 5 1/4"  | 1' 7 1/4"   | 1' 5"      | 1' 8"      | 1' 4 1/2"   | 1' 9"        |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 17 mm

| Engraving           | T-Stop     |             |            |           |
|---------------------|------------|-------------|------------|-----------|
|                     | 16         |             | 22         |           |
| hyperfocal distance | 3' 8" feet |             | 2' 6" feet |           |
|                     | from       | to          | from       | to        |
| feet                |            |             |            |           |
| INF                 | 3' 9 1/4"  | INF         | 2' 9 1/2"  | INF       |
| 60'                 | 3' 7 1/2"  | INF         | 2' 8 3/4"  | INF       |
| 30'                 | 3' 5 3/4"  | INF         | 2' 8"      | INF       |
| 15'                 | 3' 2 3/4"  | INF         | 2' 6 1/2"  | INF       |
| 12'                 | 3' 1 1/2"  | INF         | 2' 5 3/4"  | INF       |
| 10'                 | 3' 1/4"    | INF         | 2' 5"      | INF       |
| 8'                  | 2' 10 1/2" | INF         | 2' 4"      | INF       |
| 7'                  | 2' 9 1/4"  | INF         | 2' 3 1/4"  | INF       |
| 6'                  | 2' 7 3/4"  | INF         | 2' 2 1/2"  | INF       |
| 5' 6"               | 2' 7"      | INF         | 2' 2"      | INF       |
| 5'                  | 2' 6"      | INF         | 2' 1 1/4"  | INF       |
| 4' 6"               | 2' 4 3/4"  | INF         | 2' 3/4"    | INF       |
| 4'                  | 2' 3 1/2"  | INF         | 1' 11 3/4" | INF       |
| 3' 6"               | 2' 2"      | INF         | 1' 10 3/4" | INF       |
| 3'                  | 2' 1/4"    | 39' 11 1/4" | 1' 9 1/2"  | INF       |
| 2' 6"               | 1' 10"     | 7' 6 1/4"   | 1' 8"      | INF       |
| 2'                  | 1' 7 1/2"  | 3' 5 1/2"   | 1' 6"      | 5' 6"     |
| 22"                 | 1' 6 1/4"  | 2' 9 3/4"   | 1' 5 1/4"  | 3' 9 1/2" |
| 21"                 | 1' 5 3/4"  | 2' 6 1/2"   | 1' 4 3/4"  | 3' 3"     |
| 20"                 | 1' 5 1/4"  | 2' 3 1/2"   | 1' 4 1/2"  | 2' 9 3/4" |
| 19"                 | 1' 4 3/4"  | 2' 1"       | 1' 4"      | 2' 5 1/4" |
| 18"                 | 1' 4"      | 1' 10 1/2"  | 1' 3 1/2"  | 2' 1 3/4" |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 18 mm

| Engraving           | T-Stop      |            |             |            |             |             |
|---------------------|-------------|------------|-------------|------------|-------------|-------------|
|                     | 2.6         |            | 2.8         |            | 4           |             |
| hyperfocal distance | 18' 1" feet |            | 17' 9" feet |            | 12' 2" feet |             |
| feet                | from        | to         | from        | to         | from        | to          |
| INF                 | 18' 1"      | INF        | 17' 7 1/4"  | INF        | 13' 1"      | INF         |
| 60'                 | 14' 1 3/4"  | INF        | 13' 10 1/4" | INF        | 10' 11 1/4" | INF         |
| 30'                 | 11' 7 1/4"  | INF        | 11' 5"      | INF        | 9' 5"       | INF         |
| 15'                 | 8' 6 1/2"   | 8' 7"      | 8' 5 1/2"   | 9' 5 1/2"  | 7' 4"       | INF         |
| 12'                 | 7' 6 1/2"   | 33' 1/4"   | 7' 5 3/4"   | 34' 4 1/4" | 6' 7 1/4"   | 476' 4"     |
| 10'                 | 6' 9 1/4"   | 20' 8 1/2" | 6' 8 1/2"   | 21' 2 1/2" | 6' 1/4"     | 47' 11 3/4" |
| 8'                  | 5' 10"      | 13' 3 1/2" | 5' 9 1/2"   | 13' 5 3/4" | 5' 3 1/2"   | 20' 5 1/4"  |
| 7'                  | 5' 4"       | 10' 7"     | 5' 3 1/2"   | 10' 8 1/2" | 4' 10 1/2"  | 14' 6 1/4"  |
| 6'                  | 4' 9 1/4"   | 8' 3 3/4"  | 4' 8 3/4"   | 8' 4 3/4"  | 4' 5"       | 10' 5 1/2"  |
| 5' 6"               | 4' 5 1/2"   | 7' 4"      | 4' 5 1/4"   | 7' 4 1/2"  | 4' 2"       | 8' 10 3/4"  |
| 5'                  | 4' 1 3/4"   | 6' 5"      | 4' 1 1/2"   | 6' 5 1/2"  | 3' 10 3/4"  | 7' 6 1/2"   |
| 4' 6"               | 3' 9 3/4"   | 5' 6 3/4"  | 3' 9 3/4"   | 5' 7"      | 3' 7 1/4"   | 6' 4 1/4"   |
| 4'                  | 3' 5 3/4"   | 4' 9 1/4"  | 3' 5 1/2"   | 4' 9 1/2"  | 3' 3 3/4"   | 5' 3 3/4"   |
| 3' 6"               | 3' 1 1/4"   | 4' 1/2"    | 3' 1 1/4"   | 4' 1/2"    | 2' 11 3/4"  | 4' 4 3/4"   |
| 3'                  | 2' 8 3/4"   | 3' 4 1/4"  | 2' 8 3/4"   | 3' 4 1/4"  | 2' 7 3/4"   | 3' 6 3/4"   |
| 2' 6"               | 2' 4"       | 2' 8 1/2"  | 2' 4"       | 2' 8 1/2"  | 2' 3 1/4"   | 2' 10"      |
| 2'                  | 1' 11"      | 2' 1 1/4"  | 1' 11"      | 2' 1 1/4"  | 1' 10 1/2"  | 2' 2"       |
| 22"                 | 1' 9 1/4"   | 1' 11"     | 1' 9 1/4"   | 1' 11"     | 1' 8 3/4"   | 1' 11 1/2"  |
| 21"                 | 1' 8 1/4"   | 1' 9 3/4"  | 1' 8 1/4"   | 1' 9 3/4"  | 1' 8"       | 1' 10 1/4"  |
| 20"                 | 1' 7 1/2"   | 1' 8 3/4"  | 1' 7 1/2"   | 1' 8 3/4"  | 1' 7 1/4"   | 1' 9"       |
| 19"                 | 1' 6 1/2"   | 1' 7 1/2"  | 1' 6 1/2"   | 1' 7 1/2"  | 1' 6 1/4"   | 1' 7 3/4"   |
| 18"                 | 1' 5 1/2"   | 1' 6 1/2"  | 1' 5 1/2"   | 1' 6 1/2"  | 1' 5 1/2"   | 1' 6 3/4"   |



# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 18 mm

| Engraving           | T-Stop     |             |             |            |            |            |
|---------------------|------------|-------------|-------------|------------|------------|------------|
|                     | 5.6        |             | 8           |            | 11         |            |
| hyperfocal distance | 8' 2" feet |             | 5' 11" feet |            | 4' 7" feet |            |
| feet                | from       | to          | from        | to         | from       | to         |
| INF                 | 10' 5"     | INF         | 7' 8 1/4"   | INF        | 5' 6 1/4"  | INF        |
| 60'                 | 9' 3/4"    | INF         | 6' 11 1/2"  | INF        | 5' 2"      | INF        |
| 30'                 | 8'         | INF         | 6' 4 1/4"   | INF        | 4' 10"     | INF        |
| 15'                 | 6' 6"      | INF         | 5' 4 3/4"   | INF        | 4' 3 3/4"  | INF        |
| 12'                 | 5' 11 1/4" | INF         | 5' 1/4"     | INF        | 4' 1"      | INF        |
| 10'                 | 5' 5 1/2"  | INF         | 4' 8 1/4"   | INF        | 3' 10 1/2" | INF        |
| 8'                  | 4' 10 1/2" | 323' 7"     | 4' 3 1/4"   | INF        | 3' 7 1/4"  | INF        |
| 7'                  | 4' 6 1/4"  | 40' 10 3/4" | 4' 1/4"     | INF        | 3' 5 1/4"  | INF        |
| 6'                  | 4' 1 1/2"  | 18' 11"     | 3' 8 1/2"   | INF        | 3' 2 3/4"  | INF        |
| 5' 6"               | 3' 11"     | 14' 1 1/4"  | 3' 6 1/2"   | 62' 3 3/4" | 3' 1 1/4"  | INF        |
| 5'                  | 3' 8 1/4"  | 10' 9 3/4"  | 3' 4 1/2"   | 25' 4 3/4" | 2' 11 3/4" | INF        |
| 4' 6"               | 3' 5 1/4"  | 8' 5"       | 3' 2"       | 14' 9"     | 2' 10"     | INF        |
| 4'                  | 3' 2"      | 6' 7 1/4"   | 2' 11 1/4"  | 9' 8 1/2"  | 2' 8"      | 27' 11"    |
| 3' 6"               | 2' 10 1/2" | 5' 2"       | 2' 8 1/2"   | 6' 9"      | 2' 5 3/4"  | 11' 8 1/4" |
| 3'                  | 2' 6 3/4"  | 4' 1/4"     | 2' 5 1/4"   | 4' 9 3/4"  | 2' 3"      | 6' 7 1/2"  |
| 2' 6"               | 2' 2 3/4"  | 3' 3/4"     | 2' 1 1/2"   | 3' 5 1/4"  | 2' 1/4"    | 4' 1 3/4"  |
| 2'                  | 1' 10 1/4" | 2' 3 1/4"   | 1' 9 1/2"   | 2' 5 1/4"  | 1' 8 3/4"  | 2' 8 1/4"  |
| 22"                 | 1' 8 1/2"  | 2' 1/2"     | 1' 8"       | 2' 1 3/4"  | 1' 7 1/2"  | 2' 3 3/4"  |
| 21"                 | 1' 7 3/4"  | 1' 11"      | 1' 7 1/4"   | 2' 1/4"    | 1' 6 3/4"  | 2' 1 3/4"  |
| 20"                 | 1' 7"      | 1' 9 3/4"   | 1' 6 1/2"   | 1' 10 1/2" | 1' 6"      | 2'         |
| 19"                 | 1' 6 1/4"  | 1' 8 1/2"   | 1' 5 3/4"   | 1' 9 1/4"  | 1' 5 1/2"  | 1' 10 1/4" |
| 18"                 | 1' 5 1/4"  | 1' 7 1/4"   | 1' 5"       | 1' 7 3/4"  | 1' 4 3/4"  | 1' 8 1/2"  |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 18 mm

| Engraving           | T-Stop     |            |            |            |
|---------------------|------------|------------|------------|------------|
|                     | 16         |            | 22         |            |
| hyperfocal distance | 3' 3" feet |            | 2' 8" feet |            |
|                     | from       | to         | from       | to         |
| feet                |            |            |            |            |
| INF                 | 4'         | INF        | 2' 11 1/2" | INF        |
| 60'                 | 3' 9 3/4"  | INF        | 2' 10 1/2" | INF        |
| 30'                 | 3' 8"      | INF        | 2' 9 1/2"  | INF        |
| 15'                 | 3' 4 1/2"  | INF        | 2' 7 3/4"  | INF        |
| 12'                 | 3' 3"      | INF        | 2' 7"      | INF        |
| 10'                 | 3' 1 1/2"  | INF        | 2' 6 1/4"  | INF        |
| 8'                  | 2' 11 3/4" | INF        | 2' 5 1/4"  | INF        |
| 7'                  | 2' 10 1/2" | INF        | 2' 4 1/2"  | INF        |
| 6'                  | 2' 8 3/4"  | INF        | 2' 3 1/2"  | INF        |
| 5' 6"               | 2' 7 3/4"  | INF        | 2' 2 3/4"  | INF        |
| 5'                  | 2' 6 3/4"  | INF        | 2' 2 1/4"  | INF        |
| 4' 6"               | 2' 5 1/2"  | INF        | 2' 1 1/2"  | INF        |
| 4'                  | 2' 4 1/4"  | INF        | 2' 1/2"    | INF        |
| 3' 6"               | 2' 2 1/2"  | INF        | 1' 11 1/2" | INF        |
| 3'                  | 2' 3/4"    | 15' 3 1/4" | 1' 10"     | INF        |
| 2' 6"               | 1' 10 1/2" | 5' 11 1/2" | 1' 8 1/2"  | 20' 3 3/4" |
| 2'                  | 1' 7 1/2"  | 3' 2"      | 1' 6 1/4"  | 4' 5 1/2"  |
| 22"                 | 1' 6 1/2"  | 2' 7 1/2"  | 1' 5 1/2"  | 3' 4"      |
| 21"                 | 1' 6"      | 2' 4 3/4"  | 1' 5"      | 2' 11"     |
| 20"                 | 1' 5 1/2"  | 2' 2 1/4"  | 1' 4 1/2"  | 2' 7"      |
| 19"                 | 1' 4 3/4"  | 2'         | 1' 4"      | 2' 3 1/2"  |
| 18"                 | 1' 4 1/4"  | 1' 10"     | 1' 3 1/2"  | 2' 1/2"    |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 19 mm

| Engraving           | T-Stop     |            |             |            |             |            |
|---------------------|------------|------------|-------------|------------|-------------|------------|
|                     | 2.6        |            | 2.8         |            | 4           |            |
| hyperfocal distance | 20' feet   |            | 19' 8" feet |            | 14' 1" feet |            |
| feet                | from       | to         | from        | to         | from        | to         |
| INF                 | 20' 3/4"   | INF        | 19' 6"      | INF        | 13' 11 3/4" | INF        |
| 60'                 | 15' 3 3/4" | INF        | 14' 11 3/4" | INF        | 11' 6 1/2"  | INF        |
| 30'                 | 12' 4 1/4" | INF        | 12' 1 3/4"  | INF        | 9' 10"      | INF        |
| 15'                 | 8' 11 1/4" | 55' 4 1/2" | 8' 10"      | 58' 5 3/4" | 7' 7"       | INF        |
| 12'                 | 7' 10"     | 27' 10"    | 7' 9 1/4"   | 28' 6 3/4" | 6' 9 3/4"   | 72' 6 1/2" |
| 10'                 | 6' 11 3/4" | 18' 7"     | 6' 11"      | 18' 11"    | 6' 2"       | 31' 1/2"   |
| 8'                  | 6'         | 12' 5"     | 5' 11 1/2"  | 12' 6 1/2" | 5' 5"       | 16' 8 1/2" |
| 7'                  | 5' 5 1/2"  | 10' 1/2"   | 5' 5"       | 10' 1 1/2" | 4' 11 3/4"  | 12' 7"     |
| 6'                  | 4' 10 1/4" | 8'         | 4' 10"      | 8' 1/2"    | 4' 6"       | 9' 5 1/2"  |
| 5' 6"               | 4' 6 1/2"  | 7' 1"      | 4' 6 1/4"   | 7' 1 1/2"  | 4' 2 3/4"   | 8' 2"      |
| 5'                  | 4' 2 3/4"  | 6' 2 3/4"  | 4' 2 1/2"   | 6' 3"      | 3' 11 1/2"  | 7' 1/4"    |
| 4' 6"               | 3' 10 1/2" | 5' 5"      | 3' 10 1/4"  | 5' 5 1/4"  | 3' 7 3/4"   | 6'         |
| 4'                  | 3' 6 1/4"  | 4' 8"      | 3' 6"       | 4' 8 1/4"  | 3' 4 1/4"   | 5' 1"      |
| 3' 6"               | 3' 1 3/4"  | 3' 11 3/4" | 3' 1 3/4"   | 3' 11 3/4" | 3' 1/4"     | 4' 2 3/4"  |
| 3'                  | 2' 9"      | 3' 3 3/4"  | 2' 9"       | 3' 3 3/4"  | 2' 8"       | 3' 5 3/4"  |
| 2' 6"               | 2' 4 1/4"  | 2' 8 1/4"  | 2' 4"       | 2' 8 1/4"  | 2' 3 1/2"   | 2' 9 1/4"  |
| 2'                  | 1' 11"     | 2' 1"      | 1' 11"      | 2' 1 1/4"  | 1' 10 1/2"  | 2' 1 3/4"  |
| 22"                 | 1' 9 1/4"  | 1' 10 3/4" | 1' 9 1/4"   | 1' 10 3/4" | 1' 9"       | 1' 11 1/4" |
| 21"                 | 1' 8 1/4"  | 1' 9 3/4"  | 1' 8 1/4"   | 1' 9 3/4"  | 1' 8"       | 1' 10"     |
| 20"                 | 1' 7 1/2"  | 1' 8 1/2"  | 1' 7 1/2"   | 1' 8 1/2"  | 1' 7 1/4"   | 1' 9"      |
| 19"                 | 1' 6 1/2"  | 1' 7 1/2"  | 1' 6 1/2"   | 1' 7 1/2"  | 1' 6 1/4"   | 1' 7 3/4"  |
| 18"                 | 1' 5 1/2"  | 1' 6 1/2"  | 1' 5 1/2"   | 1' 6 1/2"  | 1' 5 1/2"   | 1' 6 1/2"  |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 19 mm

| Engraving           | T-Stop      |            |             |             |             |              |
|---------------------|-------------|------------|-------------|-------------|-------------|--------------|
|                     | 5.6         |            | 8           |             | 11          |              |
| hyperfocal distance | 9' 6" feet  |            | 6' 11" feet |             | 4' 11" feet |              |
| feet                | from        | to         | from        | to          | from        | to           |
| INF                 | 10' 11 1/4" | INF        | 8' 1 1/2"   | INF         | 5' 10 1/4"  | INF          |
| 60'                 | 9' 5 1/4"   | INF        | 7' 3 1/2"   | INF         | 5' 5 1/2"   | INF          |
| 30'                 | 8' 3 1/2"   | INF        | 6' 7 1/2"   | INF         | 5' 1"       | INF          |
| 15'                 | 6' 8"       | INF        | 5' 7"       | INF         | 4' 6"       | INF          |
| 12'                 | 6' 1"       | INF        | 5' 2 1/4"   | INF         | 4' 3"       | INF          |
| 10'                 | 5' 7"       | INF        | 4' 10"      | INF         | 4' 1/4"     | INF          |
| 8'                  | 4' 11 1/2"  | 45' 8"     | 4' 4 1/2"   | INF         | 3' 8 3/4"   | INF          |
| 7'                  | 4' 7 1/4"   | 23' 5"     | 4' 1 1/4"   | INF         | 3' 6 1/2"   | INF          |
| 6'                  | 4' 2 1/4"   | 14' 2 1/2" | 3' 9 1/2"   | 44' 1"      | 3' 3 3/4"   | INF          |
| 5' 6"               | 3' 11 3/4"  | 11' 4 1/2" | 3' 7 1/2"   | 24' 1 1/4"  | 3' 2 1/4"   | INF          |
| 5'                  | 3' 8 3/4"   | 9' 2 1/4"  | 3' 5"       | 15' 7 1/2"  | 3' 1/2"     | 921' 11 1/2" |
| 4' 6"               | 3' 5 3/4"   | 7' 5 1/4"  | 3' 2 1/2"   | 10' 11 1/4" | 2' 10 3/4"  | 32' 2 1/4"   |
| 4'                  | 3' 2 1/2"   | 6'         | 2' 11 3/4"  | 7' 11 1/2"  | 2' 8 1/2"   | 14' 7 3/4"   |
| 3' 6"               | 2' 10 3/4"  | 4' 9 3/4"  | 2' 8 3/4"   | 5' 11"      | 2' 6 1/4"   | 8' 7 3/4"    |
| 3'                  | 2' 7"       | 3' 9 3/4"  | 2' 5 1/2"   | 4' 5"       | 2' 3 1/2"   | 5' 7 1/4"    |
| 2' 6"               | 2' 2 3/4"   | 2' 11 1/2" | 2' 1 3/4"   | 3' 3"       | 2' 1/2"     | 3' 9 1/4"    |
| 2'                  | 1' 10 1/4"  | 2' 2 3/4"  | 1' 9 3/4"   | 2' 4 1/4"   | 1' 9"       | 2' 6 3/4"    |
| 22"                 | 1' 8 3/4"   | 2'         | 1' 8 1/4"   | 2' 1"       | 1' 7 1/2"   | 2' 2 3/4"    |
| 21"                 | 1' 7 3/4"   | 1' 10 3/4" | 1' 7 1/2"   | 1' 11 3/4"  | 1' 7"       | 2' 1"        |
| 20"                 | 1' 7"       | 1' 9 1/2"  | 1' 6 3/4"   | 1' 10 1/4"  | 1' 6 1/4"   | 1' 11 1/4"   |
| 19"                 | 1' 6 1/4"   | 1' 8 1/4"  | 1' 6"       | 1' 8 3/4"   | 1' 5 1/2"   | 1' 9 3/4"    |
| 18"                 | 1' 5 1/4"   | 1' 7"      | 1' 5"       | 1' 7 1/2"   | 1' 4 3/4"   | 1' 8 1/4"    |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 19 mm

| Engraving           | T-Stop      |             |             |            |
|---------------------|-------------|-------------|-------------|------------|
|                     | 16          |             | 22          |            |
| hyperfocal distance | 3' 11" feet |             | 2' 11" feet |            |
|                     | from        | to          | from        | to         |
| feet                |             |             |             |            |
| INF                 | 4' 3 1/4"   | INF         | 3' 2"       | INF        |
| 60'                 | 4' 3/4"     | INF         | 3' 3/4"     | INF        |
| 30'                 | 3' 10 1/2"  | INF         | 2' 11 3/4"  | INF        |
| 15'                 | 3' 6 3/4"   | INF         | 2' 9 3/4"   | INF        |
| 12'                 | 3' 5"       | INF         | 2' 8 3/4"   | INF        |
| 10'                 | 3' 3 1/4"   | INF         | 2' 7 3/4"   | INF        |
| 8'                  | 3' 1 1/4"   | INF         | 2' 6 1/2"   | INF        |
| 7'                  | 2' 11 3/4"  | INF         | 2' 5 3/4"   | INF        |
| 6'                  | 2' 10"      | INF         | 2' 4 3/4"   | INF        |
| 5' 6"               | 2' 9"       | INF         | 2' 4"       | INF        |
| 5'                  | 2' 7 3/4"   | INF         | 2' 3 1/4"   | INF        |
| 4' 6"               | 2' 6 1/2"   | INF         | 2' 2 1/2"   | INF        |
| 4'                  | 2' 5"       | INF         | 2' 1 1/4"   | INF        |
| 3' 6"               | 2' 3 1/4"   | 27' 11 3/4" | 2' 1/4"     | INF        |
| 3'                  | 2' 1 1/4"   | 9' 5 1/4"   | 1' 10 3/4"  | INF        |
| 2' 6"               | 1' 10 3/4"  | 4' 11 1/4"  | 1' 9"       | 9' 7 3/4"  |
| 2'                  | 1' 7 3/4"   | 2' 11"      | 1' 6 3/4"   | 3' 9 1/4"  |
| 22"                 | 1' 6 3/4"   | 2' 5 3/4"   | 1' 5 3/4"   | 2' 11 3/4" |
| 21"                 | 1' 6 1/4"   | 2' 3 1/4"   | 1' 5 1/4"   | 2' 8"      |
| 20"                 | 1' 5 1/2"   | 2' 1 1/4"   | 1' 4 3/4"   | 2' 4 3/4"  |
| 19"                 | 1' 5"       | 1' 11 1/4"  | 1' 4 1/4"   | 2' 1 3/4"  |
| 18"                 | 1' 4 1/4"   | 1' 9 1/4"   | 1' 3 3/4"   | 1' 11 1/4" |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 20 mm

| Engraving           | T-Stop      |            |             |             |             |             |
|---------------------|-------------|------------|-------------|-------------|-------------|-------------|
|                     | 2.6         |            | 2.8         |             | 4           |             |
| hyperfocal distance | 22' 4" feet |            | 21' 8" feet |             | 16' 1" feet |             |
| feet                | from        | to         | from        | to          | from        | to          |
| INF                 | 22' 2"      | INF        | 21' 6"      | INF         | 14' 10 1/2" | INF         |
| 60'                 | 16' 5 1/2"  | INF        | 16' 1 1/4"  | INF         | 12' 1 3/4"  | INF         |
| 30'                 | 13' 1"      | INF        | 12' 10 1/4" | INF         | 10' 3"      | INF         |
| 15'                 | 9' 3 1/2"   | 43' 6 3/4" | 9' 2"       | 45' 1"      | 7' 9 3/4"   | 193' 6 1/4" |
| 12'                 | 8' 1 1/4"   | 24' 6 3/4" | 8' 1/4"     | 25' 1/4"    | 6' 11 3/4"  | 42' 9 1/4"  |
| 10'                 | 7' 2 1/4"   | 17' 1 1/4" | 7' 1 1/2"   | 17' 4"      | 6' 3 3/4"   | 24' 3/4"    |
| 8'                  | 6' 1 3/4"   | 11' 9"     | 6' 1 1/4"   | 11' 10 1/4" | 5' 6 1/4"   | 14' 6 1/2"  |
| 7'                  | 5' 6 3/4"   | 9' 7 1/2"  | 5' 6 1/2"   | 9' 8 1/4"   | 5' 3/4"     | 11' 4"      |
| 6'                  | 4' 11 1/2"  | 7' 8 3/4"  | 4' 11"      | 7' 9 1/4"   | 4' 6 3/4"   | 8' 9 1/4"   |
| 5' 6"               | 4' 7 1/2"   | 6' 10 1/2" | 4' 7 1/4"   | 6' 11"      | 4' 3 1/2"   | 7' 8"       |
| 5'                  | 4' 3 1/2"   | 6' 1"      | 4' 3 1/4"   | 6' 1 1/4"   | 4'          | 6' 7 3/4"   |
| 4' 6"               | 3' 11 1/4"  | 5' 3 3/4"  | 3' 11"      | 5' 4"       | 3' 8 1/2"   | 5' 8 3/4"   |
| 4'                  | 3' 6 3/4"   | 4' 7 1/4"  | 3' 6 1/2"   | 4' 7 1/4"   | 3' 4 1/2"   | 4' 10 3/4"  |
| 3' 6"               | 3' 2 1/4"   | 3' 11"     | 3' 2"       | 3' 11"      | 3' 1/2"     | 4' 1 1/2"   |
| 3'                  | 2' 9 1/4"   | 3' 3 1/4"  | 2' 9 1/4"   | 3' 3 1/4"   | 2' 8 1/4"   | 3' 4 3/4"   |
| 2' 6"               | 2' 4 1/4"   | 2' 8"      | 2' 4 1/4"   | 2' 8"       | 2' 3 1/2"   | 2' 8 3/4"   |
| 2'                  | 1' 11"      | 2' 1"      | 1' 11"      | 2' 1"       | 1' 10 3/4"  | 2' 1 1/2"   |
| 22"                 | 1' 9 1/4"   | 1' 10 3/4" | 1' 9 1/4"   | 1' 10 3/4"  | 1' 9"       | 1' 11"      |
| 21"                 | 1' 8 1/2"   | 1' 9 3/4"  | 1' 8 1/2"   | 1' 9 3/4"   | 1' 8 1/4"   | 1' 10"      |
| 20"                 | 1' 7 1/2"   | 1' 8 1/2"  | 1' 7 1/2"   | 1' 8 1/2"   | 1' 7 1/4"   | 1' 8 3/4"   |
| 19"                 | 1' 6 1/2"   | 1' 7 1/2"  | 1' 6 1/2"   | 1' 7 1/2"   | 1' 6 1/2"   | 1' 7 3/4"   |
| 18"                 | 1' 5 3/4"   | 1' 6 1/4"  | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 1/2"   | 1' 6 1/2"   |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 20 mm

| Engraving           | T-Stop       |             |            |            |            |             |
|---------------------|--------------|-------------|------------|------------|------------|-------------|
|                     | 5.6          |             | 8          |            | 11         |             |
| hyperfocal distance | 10' 10" feet |             | 7' 7" feet |            | 5' 7" feet |             |
| feet                | from         | to          | from       | to         | from       | to          |
| INF                 | 11' 5 3/4"   | INF         | 8' 6 1/2"  | INF        | 6' 2 1/2"  | INF         |
| 60'                 | 9' 9 3/4"    | INF         | 7' 7 1/2"  | INF        | 5' 9"      | INF         |
| 30'                 | 8' 7"        | INF         | 6' 10 1/2" | INF        | 5' 4"      | INF         |
| 15'                 | 6' 10 1/4"   | INF         | 5' 9 1/4"  | INF        | 4' 8 1/4"  | INF         |
| 12'                 | 6' 2 1/2"    | INF         | 5' 4"      | INF        | 4' 5"      | INF         |
| 10'                 | 5' 8 1/4"    | 115' 5"     | 4' 11 1/2" | INF        | 4' 2"      | INF         |
| 8'                  | 5' 3/4"      | 26' 10 1/2" | 4' 5 3/4"  | INF        | 3' 10 1/4" | INF         |
| 7'                  | 4' 8 1/4"    | 17' 4 1/2"  | 4' 2 1/4"  | 66' 6"     | 3' 7 3/4"  | INF         |
| 6'                  | 4' 3"        | 11' 9 3/4"  | 3' 10 1/4" | 22' 10"    | 3' 4 3/4"  | INF         |
| 5' 6"               | 4' 1/4"      | 9' 9 3/4"   | 3' 8 1/4"  | 16' 1 1/4" | 3' 3 1/4"  | 164' 7 3/4" |
| 5'                  | 3' 9 1/4"    | 8' 2"       | 3' 5 3/4"  | 11' 11"    | 3' 1 1/2"  | 33' 7 1/2"  |
| 4' 6"               | 3' 6 1/4"    | 6' 9 1/4"   | 3' 3 1/4"  | 9' 1/2"    | 2' 11 1/2" | 17' 1"      |
| 4'                  | 3' 2 3/4"    | 5' 7"       | 3' 1/4"    | 6' 11 1/2" | 2' 9 1/4"  | 10' 7 1/4"  |
| 3' 6"               | 2' 11"       | 4' 6 3/4"   | 2' 9 1/4"  | 5' 4 1/2"  | 2' 6 3/4"  | 7' 1 3/4"   |
| 3'                  | 2' 7 1/4"    | 3' 8"       | 2' 5 3/4"  | 4' 1 1/2"  | 2' 4"      | 5'          |
| 2' 6"               | 2' 3"        | 2' 10 3/4"  | 2' 2"      | 3' 1 1/2"  | 2' 3/4"    | 3' 6 1/4"   |
| 2'                  | 1' 10 1/4"   | 2' 2 1/4"   | 1' 9 3/4"  | 2' 3 1/2"  | 1' 9"      | 2' 5 1/2"   |
| 22"                 | 1' 8 3/4"    | 1' 11 3/4"  | 1' 8 1/4"  | 2' 1/2"    | 1' 7 3/4"  | 2' 2"       |
| 21"                 | 1' 8"        | 1' 10 1/2"  | 1' 7 1/2"  | 1' 11 1/4" | 1' 7"      | 2' 1/4"     |
| 20"                 | 1' 7"        | 1' 9 1/4"   | 1' 6 3/4"  | 1' 9 3/4"  | 1' 6 1/4"  | 1' 10 3/4"  |
| 19"                 | 1' 6 1/4"    | 1' 8"       | 1' 6"      | 1' 8 1/2"  | 1' 5 1/2"  | 1' 9 1/4"   |
| 18"                 | 1' 5 1/4"    | 1' 6 3/4"   | 1' 5"      | 1' 7 1/4"  | 1' 4 3/4"  | 1' 7 3/4"   |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 20 mm

| Engraving           | T-Stop     |            |            |            |
|---------------------|------------|------------|------------|------------|
|                     | 16         |            | 22         |            |
| hyperfocal distance | 4' 3" feet |            | 3' 3" feet |            |
|                     | from       | to         | from       | to         |
| feet                |            |            |            |            |
| INF                 | 4' 6 1/2"  | INF        | 3' 4 1/2"  | INF        |
| 60'                 | 4' 3 3/4"  | INF        | 3' 3 1/4"  | INF        |
| 30'                 | 4' 1 1/4"  | INF        | 3' 1 3/4"  | INF        |
| 15'                 | 3' 8 3/4"  | INF        | 2' 11 1/2" | INF        |
| 12'                 | 3' 6 3/4"  | INF        | 2' 10 1/2" | INF        |
| 10'                 | 3' 5"      | INF        | 2' 9 1/4"  | INF        |
| 8'                  | 3' 2 3/4"  | INF        | 2' 8"      | INF        |
| 7'                  | 3' 1"      | INF        | 2' 7"      | INF        |
| 6'                  | 2' 11 1/4" | INF        | 2' 5 3/4"  | INF        |
| 5' 6"               | 2' 10"     | INF        | 2' 5"      | INF        |
| 5'                  | 2' 8 3/4"  | INF        | 2' 4 1/4"  | INF        |
| 4' 6"               | 2' 7 1/4"  | INF        | 2' 3 1/4"  | INF        |
| 4'                  | 2' 5 3/4"  | 48' 8"     | 2' 2 1/4"  | INF        |
| 3' 6"               | 2' 3 3/4"  | 14' 1/4"   | 2' 3/4"    | INF        |
| 3'                  | 2' 1 3/4"  | 7' 2 3/4"  | 1' 11 1/4" | 24' 8 1/2" |
| 2' 6"               | 1' 11 1/4" | 4' 4 1/4"  | 1' 9 1/4"  | 6' 10"     |
| 2'                  | 1' 8"      | 2' 9"      | 1' 7"      | 3' 4 1/4"  |
| 22"                 | 1' 7"      | 2' 4 1/4"  | 1' 6"      | 2' 8 3/4"  |
| 21"                 | 1' 6 1/4"  | 2' 2 1/4"  | 1' 5 1/2"  | 2' 5 3/4"  |
| 20"                 | 1' 5 3/4"  | 2' 1/4"    | 1' 5"      | 2' 3"      |
| 19"                 | 1' 5"      | 1' 10 1/2" | 1' 4 1/2"  | 2' 1/2"    |
| 18"                 | 1' 4 1/4"  | 1' 8 3/4"  | 1' 3 3/4"  | 1' 10 1/4" |



# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 22 mm

| Engraving           | T-Stop      |             |             |            |              |             |
|---------------------|-------------|-------------|-------------|------------|--------------|-------------|
|                     | 2.6         |             | 2.8         |            | 4            |             |
| hyperfocal distance | 26' 7" feet |             | 26' 3" feet |            | 20' 12" feet |             |
| feet                | from        | to          | from        | to         | from         | to          |
| INF                 | 26' 8"      | INF         | 25' 9 1/4"  | INF        | 16' 8 1/2"   | INF         |
| 60'                 | 18' 9"      | INF         | 18' 3 3/4"  | INF        | 13' 3 3/4"   | INF         |
| 30'                 | 14' 5 1/2"  | INF         | 14' 2 1/2"  | INF        | 11' 3/4"     | INF         |
| 15'                 | 9' 11"      | 32' 6 1/2"  | 9' 9 3/4"   | 33' 3/4"   | 8' 3"        | 49' 4 1/2"  |
| 12'                 | 8' 7"       | 20' 8 1/2"  | 8' 6"       | 20' 11"    | 7' 4"        | 26' 3 1/4"  |
| 10'                 | 7' 6 1/2"   | 15' 2 1/4"  | 7' 5 3/4"   | 15' 3 1/2" | 6' 7"        | 17' 10 3/4" |
| 8'                  | 6' 4 3/4"   | 10' 10 1/4" | 6' 4 1/4"   | 10' 11"    | 5' 8 1/2"    | 12' 1 1/4"  |
| 7'                  | 5' 9 1/4"   | 9' 1/4"     | 5' 8 3/4"   | 9' 1/2"    | 5' 2 3/4"    | 9' 10"      |
| 6'                  | 5' 1 1/4"   | 7' 4 1/4"   | 5' 1"       | 7' 4 1/2"  | 4' 8 1/4"    | 7' 10 1/2"  |
| 5' 6"               | 4' 9"       | 6' 7"       | 4' 8 3/4"   | 6' 7 1/4"  | 4' 4 3/4"    | 6' 11 3/4"  |
| 5'                  | 4' 4 3/4"   | 5' 10 1/4"  | 4' 4 1/2"   | 5' 10 1/2" | 4' 1"        | 6' 2"       |
| 4' 6"               | 4' 1/4"     | 5' 1 3/4"   | 4'          | 5' 2"      | 3' 9 1/4"    | 5' 4 1/2"   |
| 4'                  | 3' 7 1/2"   | 4' 5 3/4"   | 3' 7 1/2"   | 4' 5 3/4"  | 3' 5 1/4"    | 4' 7 3/4"   |
| 3' 6"               | 3' 2 3/4"   | 3' 10"      | 3' 2 3/4"   | 3' 10"     | 3' 1"        | 3' 11 1/4"  |
| 3'                  | 2' 9 3/4"   | 3' 2 3/4"   | 2' 9 3/4"   | 3' 2 3/4"  | 2' 8 1/2"    | 3' 3 1/2"   |
| 2' 6"               | 2' 4 1/2"   | 2' 7 1/2"   | 2' 4 1/2"   | 2' 7 1/2"  | 2' 3 3/4"    | 2' 8"       |
| 2'                  | 1' 11 1/4"  | 2' 3/4"     | 1' 11 1/4"  | 2' 3/4"    | 1' 10 3/4"   | 2' 1"       |
| 22"                 | 1' 9 1/2"   | 1' 10 1/2"  | 1' 9 1/2"   | 1' 10 1/2" | 1' 9"        | 1' 10 3/4"  |
| 21"                 | 1' 8 1/2"   | 1' 9 1/2"   | 1' 8 1/2"   | 1' 9 1/2"  | 1' 8 1/4"    | 1' 9 3/4"   |
| 20"                 | 1' 7 1/2"   | 1' 8 1/2"   | 1' 7 1/2"   | 1' 8 1/2"  | 1' 7 1/4"    | 1' 8 1/2"   |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 3/4"   | 1' 7 1/4"  | 1' 6 1/2"    | 1' 7 1/2"   |
| 18"                 | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 3/4"   | 1' 6 1/4"  | 1' 5 1/2"    | 1' 6 1/2"   |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 22 mm

| Engraving           | T-Stop      |             |             |            |            |             |
|---------------------|-------------|-------------|-------------|------------|------------|-------------|
|                     | 5.6         |             | 8           |            | 11         |             |
| hyperfocal distance | 14' 1" feet |             | 9' 10" feet |            | 7' 3" feet |             |
| feet                | from        | to          | from        | to         | from       | to          |
| INF                 | 12' 7"      | INF         | 9' 5"       | INF        | 6' 11 1/4" | INF         |
| 60'                 | 10' 7 1/4"  | INF         | 8' 3 1/2"   | INF        | 6' 4 1/4"  | INF         |
| 30'                 | 9' 2"       | INF         | 7' 5"       | INF        | 5' 10 1/4" | INF         |
| 15'                 | 7' 2 1/4"   | INF         | 6' 1 1/4"   | INF        | 5' 1/2"    | INF         |
| 12'                 | 6' 6"       | 70' 10 3/4" | 5' 7 1/2"   | INF        | 4' 8 3/4"  | INF         |
| 10'                 | 5' 11"      | 30' 8 3/4"  | 5' 2 1/2"   | INF        | 4' 5 1/4"  | INF         |
| 8'                  | 5' 2 3/4"   | 16' 7 1/2"  | 4' 8"       | 36' 9 1/2" | 4' 3/4"    | INF         |
| 7'                  | 4' 9 3/4"   | 12' 6 1/4"  | 4' 4 1/4"   | 20' 11"    | 3' 10"     | 508' 4 1/2" |
| 6'                  | 4' 4 1/2"   | 9' 5 1/4"   | 4'          | 13' 3 1/2" | 3' 6 3/4"  | 31' 11 3/4" |
| 5' 6"               | 4' 1 1/2"   | 8' 1 3/4"   | 3' 9 1/2"   | 10' 9 1/2" | 3' 5"      | 20' 3/4"    |
| 5'                  | 3' 10 1/4"  | 7' 1/4"     | 3' 7"       | 8' 9 3/4"  | 3' 3"      | 13' 10 1/2" |
| 4' 6"               | 3' 7"       | 5' 11 3/4"  | 3' 4 1/4"   | 7' 2 1/4"  | 3' 3/4"    | 10' 1"      |
| 4'                  | 3' 3 1/2"   | 5' 3/4"     | 3' 1 1/4"   | 5' 10 1/4" | 2' 10 1/4" | 7' 6 1/4"   |
| 3' 6"               | 2' 11 1/2"  | 4' 2 3/4"   | 2' 9 3/4"   | 4' 8 3/4"  | 2' 7 1/2"  | 5' 8 1/4"   |
| 3'                  | 2' 7 1/2"   | 3' 5 3/4"   | 2' 6 1/4"   | 3' 9 1/4"  | 2' 4 1/2"  | 4' 3 1/2"   |
| 2' 6"               | 2' 3 1/4"   | 2' 9 1/4"   | 2' 2 1/4"   | 2' 11 1/4" | 2' 1 1/4"  | 3' 2 1/2"   |
| 2'                  | 1' 10 1/2"  | 2' 1 3/4"   | 1' 10"      | 2' 2 1/2"  | 1' 9 1/4"  | 2' 4"       |
| 22"                 | 1' 8 3/4"   | 1' 11 1/4"  | 1' 8 1/2"   | 2'         | 1' 8"      | 2' 1"       |
| 21"                 | 1' 8"       | 1' 10"      | 1' 7 3/4"   | 1' 10 1/2" | 1' 7 1/4"  | 1' 11 1/2"  |
| 20"                 | 1' 7 1/4"   | 1' 9"       | 1' 6 3/4"   | 1' 9 1/4"  | 1' 6 1/2"  | 1' 10"      |
| 19"                 | 1' 6 1/4"   | 1' 7 3/4"   | 1' 6"       | 1' 8"      | 1' 5 3/4"  | 1' 8 3/4"   |
| 18"                 | 1' 5 1/2"   | 1' 6 1/2"   | 1' 5 1/4"   | 1' 7"      | 1' 5"      | 1' 7 1/4"   |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 22 mm

| Engraving           | T-Stop     |            |             |            |
|---------------------|------------|------------|-------------|------------|
|                     | 16         |            | 22          |            |
| hyperfocal distance | 5' 3" feet |            | 3' 11" feet |            |
|                     | from       | to         | from        | to         |
| feet                |            |            |             |            |
| INF                 | 5' 1 1/2"  | INF        | 3' 9 3/4"   | INF        |
| 60'                 | 4' 9 3/4"  | INF        | 3' 8"       | INF        |
| 30'                 | 4' 6 1/2"  | INF        | 3' 6 1/4"   | INF        |
| 15'                 | 4' 1"      | INF        | 3' 3 1/4"   | INF        |
| 12'                 | 3' 10 1/2" | INF        | 3' 1 3/4"   | INF        |
| 10'                 | 3' 8 1/2"  | INF        | 3' 1/2"     | INF        |
| 8'                  | 3' 5 1/2"  | INF        | 2' 10 3/4"  | INF        |
| 7'                  | 3' 3 1/2"  | INF        | 2' 9 1/2"   | INF        |
| 6'                  | 3' 1 1/4"  | INF        | 2' 8"       | INF        |
| 5' 6"               | 3'         | INF        | 2' 7 1/4"   | INF        |
| 5'                  | 2' 10 1/2" | 97' 6"     | 2' 6 1/4"   | INF        |
| 4' 6"               | 2' 9"      | 25' 1"     | 2' 5"       | INF        |
| 4'                  | 2' 7"      | 13' 1/2"   | 2' 3 3/4"   | INF        |
| 3' 6"               | 2' 5"      | 8' 1 1/4"  | 2' 2 1/4"   | 23' 6 1/4" |
| 3'                  | 2' 2 1/2"  | 5' 4 3/4"  | 2' 1/4"     | 8' 11"     |
| 2' 6"               | 1' 11 3/4" | 3' 8 1/4"  | 1' 10 1/4"  | 4' 9 3/4"  |
| 2'                  | 1' 8 1/2"  | 2' 6 1/4"  | 1' 7 1/2"   | 2' 10 3/4" |
| 22"                 | 1' 7 1/4"  | 2' 2 1/2"  | 1' 6 1/2"   | 2' 5 1/2"  |
| 21"                 | 1' 6 1/2"  | 2' 3/4"    | 1' 5 3/4"   | 2' 3"      |
| 20"                 | 1' 6"      | 1' 11 1/4" | 1' 5 1/4"   | 2' 1"      |
| 19"                 | 1' 5 1/4"  | 1' 9 1/2"  | 1' 4 3/4"   | 1' 11"     |
| 18"                 | 1' 4 1/2"  | 1' 8"      | 1' 4"       | 1' 9 1/4"  |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 24 mm

| Engraving           | T-Stop      |             |             |             |             |             |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | 2.6         |             | 2.8         |             | 4           |             |
| hyperfocal distance | 31' 6" feet |             | 31' 2" feet |             | 26' 7" feet |             |
| feet                | from        | to          | from        | to          | from        | to          |
| INF                 | 31' 7"      | INF         | 30' 5 1/2"  | INF         | 18' 9 1/4"  | INF         |
| 60'                 | 21'         | INF         | 20' 6 1/4"  | INF         | 14' 6 1/2"  | INF         |
| 30'                 | 15' 8 3/4"  | 572' 5 1/4" | 15' 5 1/2"  | 728' 3 1/2" | 11' 10 1/2" | INF         |
| 15'                 | 10' 5 3/4"  | 27' 3 3/4"  | 10' 4 1/4"  | 27' 7"      | 8' 8 1/4"   | 32' 8 1/4"  |
| 12'                 | 8' 11 3/4"  | 18' 6 1/4"  | 8' 10 3/4"  | 18' 7 1/2"  | 7' 7 3/4"   | 20' 9 1/4"  |
| 10'                 | 7' 10 1/4"  | 14'         | 7' 9 1/2"   | 14' 3/4"    | 6' 10"      | 15' 2 1/2"  |
| 8'                  | 6' 7 1/4"   | 10' 3"      | 6' 6 3/4"   | 10' 3 1/2"  | 5' 10 3/4"  | 10' 10 1/2" |
| 7'                  | 5' 11 1/4"  | 8' 7 1/4"   | 5' 10 3/4"  | 8' 7 1/2"   | 5' 4 1/2"   | 9' 1/4"     |
| 6'                  | 5' 2 3/4"   | 7' 1 1/4"   | 5' 2 1/2"   | 7' 1 1/4"   | 4' 9 1/2"   | 7' 4 1/4"   |
| 5' 6"               | 4' 10 1/4"  | 6' 4 1/2"   | 4' 10"      | 6' 4 3/4"   | 4' 6"       | 6' 7"       |
| 5'                  | 4' 5 3/4"   | 5' 8 1/4"   | 4' 5 1/2"   | 5' 8 1/2"   | 4' 2"       | 5' 10 1/4"  |
| 4' 6"               | 4' 1"       | 5' 1/2"     | 4' 3/4"     | 5' 1/2"     | 3' 10"      | 5' 1 3/4"   |
| 4'                  | 3' 8 1/4"   | 4' 4 3/4"   | 3' 8"       | 4' 4 3/4"   | 3' 6"       | 4' 5 3/4"   |
| 3' 6"               | 3' 3 1/4"   | 3' 9 1/4"   | 3' 3"       | 3' 9 1/2"   | 3' 1 1/2"   | 3' 10"      |
| 3'                  | 2' 10"      | 3' 2 1/4"   | 2' 10"      | 3' 2 1/4"   | 2' 9"       | 3' 2 3/4"   |
| 2' 6"               | 2' 4 3/4"   | 2' 7 1/4"   | 2' 4 3/4"   | 2' 7 1/4"   | 2' 4"       | 2' 7 1/2"   |
| 2'                  | 1' 11 1/2"  | 2' 3/4"     | 1' 11 1/4"  | 2' 3/4"     | 1' 11"      | 2' 3/4"     |
| 22"                 | 1' 9 1/2"   | 1' 10 1/2"  | 1' 9 1/2"   | 1' 10 1/2"  | 1' 9 1/4"   | 1' 10 1/2"  |
| 21"                 | 1' 8 1/2"   | 1' 9 1/2"   | 1' 8 1/2"   | 1' 9 1/2"   | 1' 8 1/4"   | 1' 9 1/2"   |
| 20"                 | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 1/2"   | 1' 8 1/2"   |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 1/2"   | 1' 7 1/4"   |
| 18"                 | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 1/2"   | 1' 6 1/4"   |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 24 mm

| Engraving           | T-Stop      |            |             |             |             |            |
|---------------------|-------------|------------|-------------|-------------|-------------|------------|
|                     | 5.6         |            | 8           |             | 11          |            |
| hyperfocal distance | 18' 4" feet |            | 12' 6" feet |             | 8' 10" feet |            |
| feet                | from        | to         | from        | to          | from        | to         |
| INF                 | 13' 10"     | INF        | 10' 4 1/2"  | INF         | 7' 8 3/4"   | INF        |
| 60'                 | 11' 5 1/2"  | INF        | 9' 1/4"     | INF         | 6' 11 3/4"  | INF        |
| 30'                 | 9' 9 1/4"   | INF        | 7' 11 3/4"  | INF         | 6' 4 1/2"   | INF        |
| 15'                 | 7' 6 1/2"   | 7' 11 1/4" | 6' 5 3/4"   | INF         | 5' 5"       | INF        |
| 12'                 | 6' 9 1/4"   | 32' 5"     | 5' 11"      | 289' 3 1/4" | 5' 1/2"     | INF        |
| 10'                 | 6' 1 3/4"   | 20' 5 3/4" | 5' 5 1/4"   | 45' 1 1/2"  | 4' 8 1/2"   | INF        |
| 8'                  | 5' 4 3/4"   | 13' 2 1/4" | 4' 10 1/4"  | 19' 11 1/4" | 4' 3 1/2"   | 78' 7 1/2" |
| 7'                  | 4' 11 1/2"  | 10' 6 1/4" | 4' 6 1/4"   | 14' 3"      | 4' 1/4"     | 29' 7 1/4" |
| 6'                  | 4' 5 3/4"   | 8' 3 1/2"  | 4' 1 1/2"   | 10' 4"      | 3' 8 3/4"   | 16' 2 1/4" |
| 5' 6"               | 4' 2 1/2"   | 7' 3 3/4"  | 3' 11"      | 8' 9 3/4"   | 3' 6 3/4"   | 12' 6 3/4" |
| 5'                  | 3' 11 1/4"  | 6' 4 3/4"  | 3' 8 1/4"   | 7' 5 3/4"   | 3' 4 1/2"   | 9' 11"     |
| 4' 6"               | 3' 7 3/4"   | 5' 6 1/2"  | 3' 5 1/4"   | 6' 3 3/4"   | 3' 2"       | 7' 10 1/2" |
| 4'                  | 3' 4"       | 4' 9 1/4"  | 3' 2"       | 5' 3 1/2"   | 2' 11 1/4"  | 6' 3 1/2"  |
| 3' 6"               | 3'          | 4' 1/4"    | 2' 10 1/2"  | 4' 4 1/2"   | 2' 8 1/2"   | 4' 11 3/4" |
| 3'                  | 2' 8"       | 3' 4 1/4"  | 2' 6 3/4"   | 3' 6 3/4"   | 2' 5 1/4"   | 3' 11"     |
| 2' 6"               | 2' 3 1/2"   | 2' 8 1/2"  | 2' 2 3/4"   | 2' 10"      | 2' 1 1/2"   | 3' 1/4"    |
| 2'                  | 1' 10 1/2"  | 2' 1 1/4"  | 1' 10 1/4"  | 2' 2"       | 1' 9 1/2"   | 2' 3"      |
| 22"                 | 1' 9"       | 1' 11"     | 1' 8 1/2"   | 1' 11 1/2"  | 1' 8 1/4"   | 2' 1/4"    |
| 21"                 | 1' 8"       | 1' 9 3/4"  | 1' 7 3/4"   | 1' 10 1/4"  | 1' 7 1/2"   | 1' 10 3/4" |
| 20"                 | 1' 7 1/4"   | 1' 8 3/4"  | 1' 7"       | 1' 9"       | 1' 6 1/2"   | 1' 9 1/2"  |
| 19"                 | 1' 6 1/4"   | 1' 7 1/2"  | 1' 6"       | 1' 7 3/4"   | 1' 5 3/4"   | 1' 8 1/4"  |
| 18"                 | 1' 5 1/2"   | 1' 6 1/2"  | 1' 5 1/4"   | 1' 6 3/4"   | 1' 5"       | 1' 7"      |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 24 mm

| Engraving           | T-Stop     |             |            |            |
|---------------------|------------|-------------|------------|------------|
|                     | 16         |             | 22         |            |
| hyperfocal distance | 6' 3" feet |             | 4' 7" feet |            |
|                     | from       | to          | from       | to         |
| feet                |            |             |            |            |
| INF                 | 5' 9"      | INF         | 4' 3 1/2"  | INF        |
| 60'                 | 5' 4 1/4"  | INF         | 4' 1 1/4"  | INF        |
| 30'                 | 5'         | INF         | 3' 11"     | INF        |
| 15'                 | 4' 5 1/4"  | INF         | 3' 7"      | INF        |
| 12'                 | 4' 2 1/4"  | INF         | 3' 5 1/4"  | INF        |
| 10'                 | 3' 11 3/4" | INF         | 3' 3 1/2"  | INF        |
| 8'                  | 3' 8 1/4"  | INF         | 3' 1 1/4"  | INF        |
| 7'                  | 3' 6"      | INF         | 3'         | INF        |
| 6'                  | 3' 3 1/2"  | 101' 8 1/4" | 2' 10 1/4" | INF        |
| 5' 6"               | 3' 2"      | 34' 6"      | 2' 9"      | INF        |
| 5'                  | 3' 1/4"    | 19' 3 1/4"  | 2' 8"      | INF        |
| 4' 6"               | 2' 10 1/2" | 12' 6 1/4"  | 2' 6 1/2"  | 125' 3/4"  |
| 4'                  | 2' 8 1/2"  | 8' 8 3/4"   | 2' 5"      | 21' 6 1/4" |
| 3' 6"               | 2' 6"      | 6' 3 1/2"   | 2' 3 1/4"  | 10' 5 3/4" |
| 3'                  | 2' 3 1/2"  | 4' 7 1/4"   | 2' 1 1/4"  | 6' 3"      |
| 2' 6"               | 2' 1/4"    | 3' 4 1/4"   | 1' 10 3/4" | 4' 1/4"    |
| 2'                  | 1' 8 3/4"  | 2' 4 3/4"   | 1' 8"      | 2' 7 3/4"  |
| 22"                 | 1' 7 1/2"  | 2' 1 1/2"   | 1' 6 3/4"  | 2' 3 1/2"  |
| 21"                 | 1' 6 3/4"  | 2'          | 1' 6 1/4"  | 2' 1 1/2"  |
| 20"                 | 1' 6 1/4"  | 1' 10 1/2"  | 1' 5 1/2"  | 1' 11 3/4" |
| 19"                 | 1' 5 1/2"  | 1' 9"       | 1' 5"      | 1' 10"     |
| 18"                 | 1' 4 3/4"  | 1' 7 1/2"   | 1' 4 1/4"  | 1' 8 1/2"  |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 26 mm

| Engraving           | T-Stop      |             |             |             |             |            |
|---------------------|-------------|-------------|-------------|-------------|-------------|------------|
|                     | 2.6         |             | 2.8         |             | 4           |            |
| hyperfocal distance | 36' 1" feet |             | 36' 1" feet |             | *** feet    |            |
| feet                | from        | to          | from        | to          | from        | to         |
| INF                 | 36' 11 1/4" | INF         | 35' 7 1/2"  | INF         | 21' 1 1/2"  | INF        |
| 60'                 | 23' 2 1/4"  | INF         | 22' 8 1/4"  | INF         | 15' 10 3/4" | INF        |
| 30'                 | 16' 10 3/4" | 153' 7 1/4" | 16' 7 3/4"  | 161' 7 3/4" | 12' 8 3/4"  | 336' 4"    |
| 15'                 | 10' 11 1/2" | 24' 3 3/4"  | 10' 10 1/4" | 24' 6"      | 9' 1 1/4"   | 26' 5 3/4" |
| 12'                 | 9' 3 3/4"   | 17' 1 1/4"  | 9' 3"       | 17' 2 1/2"  | 7' 11 3/4"  | 18' 1 1/2" |
| 10'                 | 8' 1 1/4"   | 13' 2 1/2"  | 8' 1/2"     | 13' 3"      | 7' 1"       | 13' 9 1/2" |
| 8'                  | 6' 9 1/4"   | 9' 10"      | 6' 9"       | 9' 10 1/2"  | 6' 1"       | 10' 1 3/4" |
| 7'                  | 6' 3/4"     | 8' 4"       | 6' 1/2"     | 8' 4"       | 5' 6 1/4"   | 8' 6 1/2"  |
| 6'                  | 5' 4"       | 6' 10 3/4"  | 5' 3 3/4"   | 6' 11"      | 4' 11"      | 7' 1/2"    |
| 5' 6"               | 4' 11 1/4"  | 6' 2 3/4"   | 4' 11"      | 6' 3"       | 4' 7"       | 6' 4"      |
| 5'                  | 4' 6 1/2"   | 5' 7"       | 4' 6 1/4"   | 5' 7"       | 4' 3"       | 5' 8"      |
| 4' 6"               | 4' 1 3/4"   | 4' 11 1/4"  | 4' 1 1/2"   | 4' 11 1/2"  | 3' 10 3/4"  | 5'         |
| 4'                  | 3' 8 3/4"   | 4' 4"       | 3' 8 1/2"   | 4' 4"       | 3' 6 1/2"   | 4' 4 1/2"  |
| 3' 6"               | 3' 3 1/2"   | 3' 8 3/4"   | 3' 3 1/2"   | 3' 8 3/4"   | 3' 2"       | 3' 9 1/4"  |
| 3'                  | 2' 10 1/4"  | 3' 1 3/4"   | 2' 10 1/4"  | 3' 2"       | 2' 9 1/4"   | 3' 2"      |
| 2' 6"               | 2' 5"       | 2' 7"       | 2' 5"       | 2' 7 1/4"   | 2' 4 1/4"   | 2' 7 1/4"  |
| 2'                  | 1' 11 1/2"  | 2' 1/2"     | 1' 11 1/2"  | 2' 1/2"     | 1' 11"      | 2' 3/4"    |
| 22"                 | 1' 9 1/2"   | 1' 10 1/2"  | 1' 9 1/2"   | 1' 10 1/2"  | 1' 9 1/4"   | 1' 10 1/2" |
| 21"                 | 1' 8 3/4"   | 1' 9 1/4"   | 1' 8 3/4"   | 1' 9 1/2"   | 1' 8 1/2"   | 1' 9 1/2"  |
| 20"                 | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 1/2"   | 1' 8 1/4"  |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 1/2"   | 1' 7 1/4"  |
| 18"                 | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 3/4"   | 1' 6 1/4"  |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 26 mm

| Engraving           | T-Stop       |            |             |             |             |             |
|---------------------|--------------|------------|-------------|-------------|-------------|-------------|
|                     | 5.6          |            | 8           |             | 11          |             |
| hyperfocal distance | 22' 12" feet |            | 15' 5" feet |             | 10' 6" feet |             |
| feet                | from         | to         | from        | to          | from        | to          |
| INF                 | 15' 3 1/2"   | INF        | 11' 5 3/4"  | INF         | 8' 7 1/4"   | INF         |
| 60'                 | 12' 5"       | INF        | 9' 10"      | INF         | 7' 8"       | INF         |
| 30'                 | 10' 5 1/4"   | INF        | 8' 7"       | INF         | 6' 11 1/4"  | INF         |
| 15'                 | 7' 11"       | 40' 8"     | 6' 10 1/4"  | 470' 3"     | 5' 9 1/2"   | INF         |
| 12'                 | 7' 3/4"      | 23' 7 3/4" | 6' 2 3/4"   | 48' 11 3/4" | 5' 4 1/4"   | INF         |
| 10'                 | 6' 4 1/2"    | 16' 8"     | 5' 8 1/4"   | 25' 10 1/4" | 4' 11 3/4"  | 145' 6 3/4" |
| 8'                  | 5' 6 3/4"    | 11' 6 3/4" | 5' 3/4"     | 15' 1 3/4"  | 4' 6"       | 28' 2"      |
| 7'                  | 5' 1 1/4"    | 9' 5 3/4"  | 4' 8 1/4"   | 11' 8 1/4"  | 4' 2 1/2"   | 17' 10 3/4" |
| 6'                  | 4' 7"        | 7' 7 3/4"  | 4' 3"       | 8' 11 1/2"  | 3' 10 1/2"  | 12' 1/2"    |
| 5' 6"               | 4' 3 3/4"    | 6' 9 3/4"  | 4' 1/4"     | 7' 9 3/4"   | 3' 8 1/4"   | 9' 11 3/4"  |
| 5'                  | 4' 1/4"      | 6' 1/4"    | 3' 9 1/4"   | 6' 9 1/4"   | 3' 5 3/4"   | 8' 3 1/4"   |
| 4' 6"               | 3' 8 1/2"    | 5' 3 1/4"  | 3' 6 1/4"   | 5' 9 3/4"   | 3' 3 1/4"   | 6' 10 1/4"  |
| 4'                  | 3' 4 3/4"    | 4' 6 3/4"  | 3' 2 3/4"   | 4' 11 1/2"  | 3' 1/4"     | 5' 7 1/2"   |
| 3' 6"               | 3' 1/2"      | 3' 10 3/4" | 2' 11"      | 4' 1 3/4"   | 2' 9 1/4"   | 4' 7 1/4"   |
| 3'                  | 2' 8 1/4"    | 3' 3 1/4"  | 2' 7 1/4"   | 3' 5"       | 2' 5 3/4"   | 3' 8 1/4"   |
| 2' 6"               | 2' 3 3/4"    | 2' 8"      | 2' 3"       | 2' 9"       | 2' 2"       | 2' 10 3/4"  |
| 2'                  | 1' 10 3/4"   | 2' 1"      | 1' 10 1/4"  | 2' 1 1/2"   | 1' 9 3/4"   | 2' 2 1/4"   |
| 22"                 | 1' 9"        | 1' 10 3/4" | 1' 8 3/4"   | 1' 11"      | 1' 8 1/4"   | 1' 11 3/4"  |
| 21"                 | 1' 8 1/4"    | 1' 9 1/2"  | 1' 8"       | 1' 10"      | 1' 7 1/2"   | 1' 10 1/2"  |
| 20"                 | 1' 7 1/4"    | 1' 8 1/2"  | 1' 7"       | 1' 8 3/4"   | 1' 6 3/4"   | 1' 9 1/4"   |
| 19"                 | 1' 6 1/2"    | 1' 7 1/2"  | 1' 6 1/4"   | 1' 7 3/4"   | 1' 6"       | 1' 8"       |
| 18"                 | 1' 5 1/2"    | 1' 6 1/4"  | 1' 5 1/4"   | 1' 6 1/2"   | 1' 5 1/4"   | 1' 6 3/4"   |



## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 26 mm

| Engraving           | T-Stop     |             |            |            |
|---------------------|------------|-------------|------------|------------|
|                     | 16         |             | 22         |            |
| hyperfocal distance | 7' 7" feet |             | 5' 7" feet |            |
|                     | from       | to          | from       | to         |
| feet                |            |             |            |            |
| INF                 | 6' 5 1/4"  | INF         | 4' 10"     | INF        |
| 60'                 | 5' 11 1/4" | INF         | 4' 6 3/4"  | INF        |
| 30'                 | 5' 6"      | INF         | 4' 3 3/4"  | INF        |
| 15'                 | 4' 9 1/2"  | INF         | 3' 10 3/4" | INF        |
| 12'                 | 4' 6"      | INF         | 3' 8 3/4"  | INF        |
| 10'                 | 4' 3"      | INF         | 3' 6 3/4"  | INF        |
| 8'                  | 3' 11"     | INF         | 3' 4"      | INF        |
| 7'                  | 3' 8 1/2"  | 85' 2 1/2"  | 3' 2 1/4"  | INF        |
| 6'                  | 3' 5 1/2"  | 24' 7 1/4"  | 3' 1/4"    | INF        |
| 5' 6"               | 3' 3 3/4"  | 16' 11 1/2" | 2' 11"     | INF        |
| 5'                  | 3' 2"      | 12' 4 1/4"  | 2' 9 3/4"  | 48' 9 1/4" |
| 4' 6"               | 2' 11 3/4" | 9' 3 1/2"   | 2' 8 1/4"  | 20' 1 1/2" |
| 4'                  | 2' 9 1/2"  | 7' 1 1/4"   | 2' 6 1/2"  | 11' 7 3/4" |
| 3' 6"               | 2' 7"      | 5' 5 1/2"   | 2' 4 1/2"  | 7' 6 3/4"  |
| 3'                  | 2' 4 1/4"  | 4' 2"       | 2' 2 1/4"  | 5' 2"      |
| 2' 6"               | 2' 3/4"    | 3' 1 3/4"   | 1' 11 1/2" | 3' 7 1/4"  |
| 2'                  | 1' 9 1/4"  | 2' 3 3/4"   | 1' 8 1/4"  | 2' 6"      |
| 22"                 | 1' 7 3/4"  | 2' 3/4"     | 1' 7"      | 2' 2 1/4"  |
| 21"                 | 1' 7"      | 1' 11 1/4"  | 1' 6 1/2"  | 2' 1/2"    |
| 20"                 | 1' 6 1/4"  | 1' 10"      | 1' 5 3/4"  | 1' 11"     |
| 19"                 | 1' 5 1/2"  | 1' 8 1/2"   | 1' 5 1/4"  | 1' 9 1/2"  |
| 18"                 | 1' 4 3/4"  | 1' 7 1/4"   | 1' 4 1/2"  | 1' 8"      |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 28 mm

| Engraving           | T-Stop      |            |             |             |             |             |
|---------------------|-------------|------------|-------------|-------------|-------------|-------------|
|                     | 2.6         |            | 2.8         |             | 4           |             |
| hyperfocal distance | 42' 8" feet |            | 42' 8" feet |             | 39' 4" feet |             |
| feet                | from        | to         | from        | to          | from        | to          |
| INF                 | 42' 8 3/4"  | INF        | 41' 4"      | INF         | 23' 11"     | INF         |
| 60'                 | 25' 3 1/2"  | INF        | 24' 9 3/4"  | INF         | 17' 4 1/2"  | INF         |
| 30'                 | 17' 11 1/2" | 97' 4"     | 17' 8 3/4"  | 100' 8 1/4" | 13' 7 3/4"  | 123' 8 1/2" |
| 15'                 | 11' 4 1/2"  | 22' 4 1/2" | 11' 3 1/4"  | 22' 6 1/4"  | 9' 6 1/2"   | 23' 5 1/2"  |
| 12'                 | 9' 7 1/4"   | 16' 1 3/4" | 9' 6 1/2"   | 16' 2 3/4"  | 8' 3 3/4"   | 16' 8 1/4"  |
| 10'                 | 8' 3 3/4"   | 12' 7 3/4" | 8' 3 1/4"   | 12' 8 1/4"  | 7' 4"       | 12' 11 1/2" |
| 8'                  | 6' 11"      | 9' 6 1/2"  | 6' 10 3/4"  | 9' 6 3/4"   | 6' 3"       | 9' 8 1/2"   |
| 7'                  | 6' 2 1/4"   | 8' 1 1/4"  | 6' 1 3/4"   | 8' 1 1/2"   | 5' 8"       | 8' 2 3/4"   |
| 6'                  | 5' 5"       | 6' 9 1/4"  | 5' 4 3/4"   | 6' 9 1/4"   | 5' 1/4"     | 6' 10 1/4"  |
| 5' 6"               | 5'          | 6' 1 1/2"  | 5'          | 6' 1 1/2"   | 4' 8 1/4"   | 6' 2 1/4"   |
| 5'                  | 4' 7 1/4"   | 5' 5 3/4"  | 4' 7"       | 5' 6"       | 4' 4"       | 5' 6 1/2"   |
| 4' 6"               | 4' 2 1/4"   | 4' 10 1/2" | 4' 2"       | 4' 10 1/2"  | 3' 11 1/2"  | 4' 11"      |
| 4'                  | 3' 9 1/4"   | 4' 3 1/4"  | 3' 9"       | 4' 3 1/2"   | 3' 7"       | 4' 3 3/4"   |
| 3' 6"               | 3' 4"       | 3' 8 1/2"  | 3' 3 3/4"   | 3' 8 1/2"   | 3' 2 1/2"   | 3' 8 3/4"   |
| 3'                  | 2' 10 1/2"  | 3' 1 1/2"  | 2' 10 1/2"  | 3' 1 1/2"   | 2' 9 1/2"   | 3' 1 3/4"   |
| 2' 6"               | 2' 5"       | 2' 7"      | 2' 5"       | 2' 7"       | 2' 4 1/2"   | 2' 7"       |
| 2'                  | 1' 11 1/2"  | 2' 1/2"    | 1' 11 1/2"  | 2' 1/2"     | 1' 11 1/4"  | 2' 1/2"     |
| 22"                 | 1' 9 3/4"   | 1' 10 1/4" | 1' 9 3/4"   | 1' 10 1/2"  | 1' 9 1/4"   | 1' 10 1/2"  |
| 21"                 | 1' 8 3/4"   | 1' 9 1/4"  | 1' 8 3/4"   | 1' 9 1/4"   | 1' 8 1/2"   | 1' 9 1/4"   |
| 20"                 | 1' 7 3/4"   | 1' 8 1/4"  | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 1/2"   | 1' 8 1/4"   |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"  | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 1/2"   | 1' 7 1/4"   |
| 18"                 | 1' 5 3/4"   | 1' 6 1/4"  | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 3/4"   | 1' 6 1/4"   |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 28 mm

| Engraving           | T-Stop       |            |             |            |              |             |
|---------------------|--------------|------------|-------------|------------|--------------|-------------|
|                     | 5.6          |            | 8           |            | 11           |             |
| hyperfocal distance | 27' 11" feet |            | 18' 8" feet |            | 12' 10" feet |             |
| feet                | from         | to         | from        | to         | from         | to          |
| INF                 | 17' 3/4"     | INF        | 12' 9 1/2"  | INF        | 9' 7 1/2"    | INF         |
| 60'                 | 13' 6 1/4"   | INF        | 10' 9"      | INF        | 8' 5 1/2"    | INF         |
| 30'                 | 11' 2 1/2"   | INF        | 9' 3 1/4"   | INF        | 7' 6 1/2"    | INF         |
| 15'                 | 8' 4"        | 30' 9 1/4" | 7' 3"       | 71' 2 3/4" | 6' 2 1/4"    | INF         |
| 12'                 | 7' 4 3/4"    | 20'        | 6' 6 1/2"   | 31' 2 3/4" | 5' 8 1/4"    | 211' 1 1/2" |
| 10'                 | 6' 7 1/2"    | 14' 9 3/4" | 5' 11 1/2"  | 20'        | 5' 3"        | 42' 8 1/2"  |
| 8'                  | 5' 9"        | 10' 8"     | 5' 3"       | 13'        | 4' 8 1/2"    | 19' 5 1/2"  |
| 7'                  | 5' 3"        | 8' 10 3/4" | 4' 10 1/4"  | 10' 4 3/4" | 4' 4 3/4"    | 14' 1/4"    |
| 6'                  | 4' 8 1/2"    | 7' 3 1/4"  | 4' 4 3/4"   | 8' 2 3/4"  | 4' 1/4"      | 10' 2 3/4"  |
| 5' 6"               | 4' 5"        | 6' 6 1/4"  | 4' 1 3/4"   | 7' 3"      | 3' 10"       | 8' 8 3/4"   |
| 5'                  | 4' 1 1/4"    | 5' 9 3/4"  | 3' 10 1/2"  | 6' 4 1/4"  | 3' 7 1/4"    | 7' 5"       |
| 4' 6"               | 3' 9 1/2"    | 5' 1 1/4"  | 3' 7"       | 5' 6 1/4"  | 3' 4 1/2"    | 6' 3 1/4"   |
| 4'                  | 3' 5 1/4"    | 4' 5 1/2"  | 3' 3 1/2"   | 4' 9"      | 3' 1 1/4"    | 5' 3"       |
| 3' 6"               | 3' 1"        | 3' 9 3/4"  | 2' 11 3/4"  | 4' 1/4"    | 2' 10"       | 4' 4 1/4"   |
| 3'                  | 2' 8 1/2"    | 3' 2 1/2"  | 2' 7 1/2"   | 3' 4"      | 2' 6 1/4"    | 3' 6 1/2"   |
| 2' 6"               | 2' 3 3/4"    | 2' 7 1/2"  | 2' 3 1/4"   | 2' 8 1/2"  | 2' 2 1/2"    | 2' 9 3/4"   |
| 2'                  | 1' 10 3/4"   | 2' 3/4"    | 1' 10 1/2"  | 2' 1 1/4"  | 1' 10"       | 2' 2"       |
| 22"                 | 1' 9 1/4"    | 1' 10 1/2" | 1' 8 3/4"   | 1' 11"     | 1' 8 1/2"    | 1' 11 1/2"  |
| 21"                 | 1' 8 1/4"    | 1' 9 1/2"  | 1' 8"       | 1' 9 3/4"  | 1' 7 3/4"    | 1' 10 1/4"  |
| 20"                 | 1' 7 1/4"    | 1' 8 1/2"  | 1' 7 1/4"   | 1' 8 3/4"  | 1' 7"        | 1' 9"       |
| 19"                 | 1' 6 1/2"    | 1' 7 1/4"  | 1' 6 1/4"   | 1' 7 1/2"  | 1' 6"        | 1' 7 3/4"   |
| 18"                 | 1' 5 1/2"    | 1' 6 1/4"  | 1' 5 1/2"   | 1' 6 1/2"  | 1' 5 1/4"    | 1' 6 3/4"   |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 28 mm

| Engraving           | T-Stop      |            |            |              |
|---------------------|-------------|------------|------------|--------------|
|                     | 16          |            | 22         |              |
| hyperfocal distance | 8' 10" feet |            | 6' 3" feet |              |
|                     | from        | to         | from       | to           |
| feet                |             |            |            |              |
| INF                 | 7' 2 1/2"   | INF        | 5' 5"      | INF          |
| 60'                 | 6' 7"       | INF        | 5' 3/4"    | INF          |
| 30'                 | 6' 1/2"     | INF        | 4' 9 1/4"  | INF          |
| 15'                 | 5' 2 1/4"   | INF        | 4' 3"      | INF          |
| 12'                 | 4' 10"      | INF        | 4' 1/4"    | INF          |
| 10'                 | 4' 6 1/2"   | INF        | 3' 10"     | INF          |
| 8'                  | 4' 1 3/4"   | 74' 9"     | 3' 6 3/4"  | INF          |
| 7'                  | 3' 11"      | 29' 1/2"   | 3' 4 3/4"  | INF          |
| 6'                  | 3' 7 1/2"   | 16' 1/4"   | 3' 2 1/4"  | 107' 11 1/2" |
| 5' 6"               | 3' 5 1/2"   | 12' 5 3/4" | 3' 1"      | 35' 2"       |
| 5'                  | 3' 3 1/2"   | 9' 10 1/4" | 2' 11 1/2" | 19' 5 1/2"   |
| 4' 6"               | 3' 1 1/4"   | 7' 10 1/4" | 2' 9 3/4"  | 12' 7 1/4"   |
| 4'                  | 2' 10 3/4"  | 6' 3 1/4"  | 2' 7 3/4"  | 8' 9 1/4"    |
| 3' 6"               | 2' 8"       | 4' 11 3/4" | 2' 5 1/2"  | 6' 3 3/4"    |
| 3'                  | 2' 4 3/4"   | 3' 11"     | 2' 3"      | 4' 7 1/4"    |
| 2' 6"               | 2' 1 1/4"   | 3' 1/4"    | 2'         | 3' 4 1/4"    |
| 2'                  | 1' 9 1/2"   | 2' 3"      | 1' 8 3/4"  | 2' 4 3/4"    |
| 22"                 | 1' 8"       | 2' 1/4"    | 1' 7 1/2"  | 2' 1 1/2"    |
| 21"                 | 1' 7 1/4"   | 1' 10 3/4" | 1' 6 3/4"  | 2'           |
| 20"                 | 1' 6 1/2"   | 1' 9 1/2"  | 1' 6"      | 1' 10 1/2"   |
| 19"                 | 1' 5 3/4"   | 1' 8 1/4"  | 1' 5 1/4"  | 1' 9"        |
| 18"                 | 1' 5"       | 1' 7"      | 1' 4 1/2"  | 1' 7 1/2"    |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 30 mm

| Engraving           | T-Stop      |            |              |            |             |            |
|---------------------|-------------|------------|--------------|------------|-------------|------------|
|                     | 2.6         |            | 2.8          |            | 4           |            |
| hyperfocal distance | 49' 3" feet |            | 45' 11" feet |            | 42' 8" feet |            |
| feet                | from        | to         | from         | to         | from        | to         |
| INF                 | 47' 8 1/4"  | INF        | 46' 3 1/2"   | INF        | 26' 6 3/4"  | INF        |
| 60'                 | 26' 11"     | INF        | 26' 5 3/4"   | INF        | 18' 8 1/2"  | INF        |
| 30'                 | 18' 9"      | 78' 6"     | 18' 6 1/2"   | 81' 1/4"   | 14' 5 1/4"  | 91' 7 3/4" |
| 15'                 | 11' 8"      | 21' 3"     | 11' 7"       | 21' 5"     | 9' 11"      | 22' 3/4"   |
| 12'                 | 9' 9 3/4"   | 15' 7"     | 9' 9"        | 15' 8"     | 8' 6 3/4"   | 16'        |
| 10'                 | 8' 5 1/2"   | 12' 3 1/2" | 8' 5"        | 12' 4 1/4" | 7' 6 1/2"   | 12' 6 1/2" |
| 8'                  | 7' 1/4"     | 9' 4"      | 7'           | 9' 4 1/2"  | 6' 4 3/4"   | 9' 5 3/4"  |
| 7'                  | 6' 3"       | 7' 11 3/4" | 6' 2 3/4"    | 8'         | 5' 9 1/4"   | 8' 1"      |
| 6'                  | 5' 5 1/2"   | 6' 8"      | 5' 5 1/2"    | 6' 8 1/4"  | 5' 1 1/4"   | 6' 8 3/4"  |
| 5' 6"               | 5' 3/4"     | 6' 1/2"    | 5' 1/2"      | 6' 3/4"    | 4' 9"       | 6' 1 1/4"  |
| 5'                  | 4' 7 3/4"   | 5' 5 1/4"  | 4' 7 1/2"    | 5' 5 1/4"  | 4' 4 3/4"   | 5' 5 3/4"  |
| 4' 6"               | 4' 2 1/2"   | 4' 10"     | 4' 2 1/2"    | 4' 10"     | 4' 1/4"     | 4' 10 1/2" |
| 4'                  | 3' 9 1/2"   | 4' 3"      | 3' 9 1/4"    | 4' 3"      | 3' 7 1/2"   | 4' 3 1/4"  |
| 3' 6"               | 3' 4"       | 3' 8"      | 3' 4"        | 3' 8 1/4"  | 3' 2 3/4"   | 3' 8 1/4"  |
| 3'                  | 2' 10 3/4"  | 3' 1 1/2"  | 2' 10 3/4"   | 3' 1 1/2"  | 2' 9 3/4"   | 3' 1 1/2"  |
| 2' 6"               | 2' 5 1/4"   | 2' 6 3/4"  | 2' 5 1/4"    | 2' 6 3/4"  | 2' 4 1/2"   | 2' 7"      |
| 2'                  | 1' 11 1/2"  | 2' 1/2"    | 1' 11 1/2"   | 2' 1/2"    | 1' 11 1/4"  | 2' 1/2"    |
| 22"                 | 1' 9 3/4"   | 1' 10 1/4" | 1' 9 3/4"    | 1' 10 1/4" | 1' 9 1/2"   | 1' 10 1/4" |
| 21"                 | 1' 8 3/4"   | 1' 9 1/4"  | 1' 8 3/4"    | 1' 9 1/4"  | 1' 8 1/2"   | 1' 9 1/4"  |
| 20"                 | 1' 7 3/4"   | 1' 8 1/4"  | 1' 7 3/4"    | 1' 8 1/4"  | 1' 7 1/2"   | 1' 8 1/4"  |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"  | 1' 6 3/4"    | 1' 7 1/4"  | 1' 6 3/4"   | 1' 7 1/4"  |
| 18"                 | 1' 5 3/4"   | 1' 6 1/4"  | 1' 5 3/4"    | 1' 6 1/4"  | 1' 5 3/4"   | 1' 6 1/4"  |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 30 mm

| Engraving           | T-Stop       |              |              |             |             |            |
|---------------------|--------------|--------------|--------------|-------------|-------------|------------|
|                     | 5.6          |              | 8            |             | 11          |            |
| hyperfocal distance | 31' 10" feet |              | 20' 12" feet |             | 14' 1" feet |            |
| feet                | from         | to           | from         | to          | from        | to         |
| INF                 | 18' 9"       | INF          | 14' 1/2"     | INF         | 10' 6 3/4"  | INF        |
| 60'                 | 14' 6 1/2"   | INF          | 11' 7 1/4"   | INF         | 9' 2"       | INF        |
| 30'                 | 11' 10 1/2"  | 498' 11 1/2" | 9' 10 1/2"   | INF         | 8' 1"       | INF        |
| 15'                 | 8' 8 1/4"    | 27' 1 3/4"   | 7' 7 1/4"    | 48' 3 1/4"  | 6' 6 1/2"   | INF        |
| 12'                 | 7' 7 3/4"    | 18' 5 1/4"   | 6' 9 3/4"    | 25' 11 1/2" | 5' 11 3/4"  | 68' 9 1/2" |
| 10'                 | 6' 10"       | 13' 11 1/2"  | 6' 2 1/4"    | 17' 9"      | 5' 5 3/4"   | 30' 4 1/4" |
| 8'                  | 5' 10 3/4"   | 10' 2 3/4"   | 5' 5"        | 12' 1/2"    | 4' 10 3/4"  | 16' 6 1/4" |
| 7'                  | 5' 4 1/2"    | 8' 7 1/4"    | 4' 11 3/4"   | 9' 9 1/2"   | 4' 6 1/2"   | 12' 5 1/2" |
| 6'                  | 4' 9 1/2"    | 7' 1"        | 4' 6"        | 7' 10 1/4"  | 4' 1 3/4"   | 9' 4 3/4"  |
| 5' 6"               | 4' 6"        | 6' 4 1/2"    | 4' 2 3/4"    | 6' 11 3/4"  | 3' 11 1/4"  | 8' 1 1/2"  |
| 5'                  | 4' 2"        | 5' 8 1/4"    | 3' 11 1/2"   | 6' 1 3/4"   | 3' 8 1/4"   | 7'         |
| 4' 6"               | 3' 10"       | 5' 1/4"      | 3' 8"        | 5' 4 1/2"   | 3' 5 1/4"   | 5' 11 3/4" |
| 4'                  | 3' 6"        | 4' 4 3/4"    | 3' 4 1/4"    | 4' 7 1/2"   | 3' 2"       | 5' 3/4"    |
| 3' 6"               | 3' 1 1/2"    | 3' 9 1/4"    | 3' 1/4"      | 3' 11 1/4"  | 2' 10 1/2"  | 4' 2 3/4"  |
| 3'                  | 2' 9"        | 3' 2 1/4"    | 2' 8"        | 3' 3 1/2"   | 2' 6 3/4"   | 3' 5 1/2"  |
| 2' 6"               | 2' 4"        | 2' 7 1/4"    | 2' 3 1/2"    | 2' 8"       | 2' 2 3/4"   | 2' 9 1/4"  |
| 2'                  | 1' 11"       | 2' 3/4"      | 1' 10 3/4"   | 2' 1"       | 1' 10 1/4"  | 2' 1 3/4"  |
| 22"                 | 1' 9 1/4"    | 1' 10 1/2"   | 1' 9"        | 1' 10 3/4"  | 1' 8 1/2"   | 1' 11 1/4" |
| 21"                 | 1' 8 1/4"    | 1' 9 1/2"    | 1' 8"        | 1' 9 3/4"   | 1' 7 3/4"   | 1' 10"     |
| 20"                 | 1' 7 1/2"    | 1' 8 1/4"    | 1' 7 1/4"    | 1' 8 1/2"   | 1' 7"       | 1' 9"      |
| 19"                 | 1' 6 1/2"    | 1' 7 1/4"    | 1' 6 1/4"    | 1' 7 1/2"   | 1' 6 1/4"   | 1' 7 3/4"  |
| 18"                 | 1' 5 1/2"    | 1' 6 1/4"    | 1' 5 1/2"    | 1' 6 1/2"   | 1' 5 1/4"   | 1' 6 1/2"  |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 30 mm

| Engraving           | T-Stop      |            |             |            |
|---------------------|-------------|------------|-------------|------------|
|                     | 16          |            | 22          |            |
| hyperfocal distance | 9' 10" feet |            | 6' 11" feet |            |
|                     | from        | to         | from        | to         |
| feet                |             |            |             |            |
| INF                 | 7' 11"      | INF        | 5' 11 1/4"  | INF        |
| 60'                 | 7' 1 3/4"   | INF        | 5' 6"       | INF        |
| 30'                 | 6' 6"       | INF        | 5' 1 3/4"   | INF        |
| 15'                 | 5' 6"       | INF        | 4' 6 1/2"   | INF        |
| 12'                 | 5' 1 1/4"   | INF        | 4' 3 1/4"   | INF        |
| 10'                 | 4' 9 1/4"   | INF        | 4' 1/2"     | INF        |
| 8'                  | 4' 4"       | 36' 10"    | 3' 9"       | INF        |
| 7'                  | 4' 3/4"     | 20' 11"    | 3' 6 3/4"   | INF        |
| 6'                  | 3' 9"       | 13' 3 1/2" | 3' 4"       | 34' 8 1/2" |
| 5' 6"               | 3' 7"       | 10' 9 1/2" | 3' 2 1/2"   | 21' 3/4"   |
| 5'                  | 3' 4 3/4"   | 8' 9 3/4"  | 3' 3/4"     | 14' 4"     |
| 4' 6"               | 3' 2 1/4"   | 7' 2 1/4"  | 2' 10 3/4"  | 10' 3 3/4" |
| 4'                  | 2' 11 1/2"  | 5' 10 1/4" | 2' 8 3/4"   | 7' 7 3/4"  |
| 3' 6"               | 2' 8 3/4"   | 4' 8 3/4"  | 2' 6 1/4"   | 5' 9"      |
| 3'                  | 2' 5 1/4"   | 3' 9 1/4"  | 2' 3 1/2"   | 4' 4"      |
| 2' 6"               | 2' 1 3/4"   | 2' 11 1/4" | 2' 1/2"     | 3' 2 3/4"  |
| 2'                  | 1' 9 3/4"   | 2' 2 1/2"  | 1' 9"       | 2' 4"      |
| 22"                 | 1' 8 1/4"   | 2'         | 1' 7 1/2"   | 2' 1"      |
| 21"                 | 1' 7 1/2"   | 1' 10 1/2" | 1' 7"       | 1' 11 1/2" |
| 20"                 | 1' 6 3/4"   | 1' 9 1/4"  | 1' 6 1/4"   | 1' 10"     |
| 19"                 | 1' 5 3/4"   | 1' 8"      | 1' 5 1/2"   | 1' 8 3/4"  |
| 18"                 | 1' 5"       | 1' 7"      | 1' 4 3/4"   | 1' 7 1/2"  |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 35 mm

| Engraving           | T-Stop      |              |             |            |             |             |
|---------------------|-------------|--------------|-------------|------------|-------------|-------------|
|                     | 2.6         |              | 2.8         |            | 4           |             |
| hyperfocal distance | 62' 4" feet |              | 59' 1" feet |            | 52' 6" feet |             |
| feet                | from        | to           | from        | to         | from        | to          |
| INF                 | 61' 9 1/2"  | INF          | 61'         | INF        | 36' 2 1/2"  | INF         |
| 60'                 | 30' 9 1/2"  | 2019' 6 3/4" | 30' 7 1/4"  | INF        | 22' 11"     | INF         |
| 30'                 | 20' 6"      | 57'          | 20' 5"      | 58' 7 1/2" | 16' 9"      | 67' 10 1/2" |
| 15'                 | 12' 3 1/2"  | 19' 4 1/2"   | 12' 3 1/4"  | 19' 6 1/2" | 10' 10 3/4" | 20' 5"      |
| 12'                 | 10' 2 3/4"  | 14' 6 3/4"   | 10' 2 1/2"  | 14' 8"     | 9' 3 1/4"   | 15' 1 3/4"  |
| 10'                 | 8' 9 1/4"   | 11' 8"       | 8' 9"       | 11' 8 3/4" | 8' 3/4"     | 12' 1/4"    |
| 8'                  | 7' 2 3/4"   | 8' 11 3/4"   | 7' 2 1/2"   | 9' 1/4"    | 6' 9"       | 9' 2 1/4"   |
| 7'                  | 6' 5"       | 7' 8 3/4"    | 6' 4 3/4"   | 7' 9"      | 6' 1/2"     | 7' 10 1/2"  |
| 6'                  | 5' 7"       | 6' 6"        | 5' 6 3/4"   | 6' 6 1/4"  | 5' 3 3/4"   | 6' 7 1/4"   |
| 5' 6"               | 5' 1 3/4"   | 5' 11"       | 5' 1 3/4"   | 5' 11"     | 4' 11 1/4"  | 5' 11 3/4"  |
| 5'                  | 4' 8 1/2"   | 5' 4"        | 4' 8 1/2"   | 5' 4"      | 4' 6 1/2"   | 5' 4 3/4"   |
| 4' 6"               | 4' 3 1/4"   | 4' 9"        | 4' 3 1/4"   | 4' 9"      | 4' 1 1/2"   | 4' 9 1/2"   |
| 4'                  | 3' 10"      | 4' 2 1/4"    | 3' 10"      | 4' 2 1/4"  | 3' 8 3/4"   | 4' 2 3/4"   |
| 3' 6"               | 3' 4 1/2"   | 3' 7 1/2"    | 3' 4 1/2"   | 3' 7 3/4"  | 3' 3 1/2"   | 3' 8"       |
| 3'                  | 2' 11"      | 3' 1"        | 2' 11"      | 3' 1"      | 2' 10 1/4"  | 3' 1 1/4"   |
| 2' 6"               | 2' 5 1/2"   | 2' 6 3/4"    | 2' 5 1/2"   | 2' 6 3/4"  | 2' 5"       | 2' 6 3/4"   |
| 2'                  | 1' 11 3/4"  | 2' 1/4"      | 1' 11 3/4"  | 2' 1/4"    | 1' 11 1/2"  | 2' 1/2"     |
| 22"                 | 1' 9 3/4"   | 1' 10 1/4"   | 1' 9 3/4"   | 1' 10 1/4" | 1' 9 1/2"   | 1' 10 1/4"  |
| 21"                 | 1' 8 3/4"   | 1' 9 1/4"    | 1' 8 3/4"   | 1' 9 1/4"  | 1' 8 3/4"   | 1' 9 1/4"   |
| 20"                 | 1' 7 3/4"   | 1' 8 1/4"    | 1' 7 3/4"   | 1' 8 1/4"  | 1' 7 3/4"   | 1' 8 1/4"   |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"    | 1' 6 3/4"   | 1' 7 1/4"  | 1' 6 3/4"   | 1' 7 1/4"   |
| 18"                 | 1' 6"       | 1' 6 1/4"    | 1' 6"       | 1' 6 1/4"  | 1' 5 3/4"   | 1' 6 1/4"   |



# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 35 mm

| Engraving           | T-Stop      |             |             |             |             |             |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | 5.6         |             | 8           |             | 11          |             |
| hyperfocal distance | 39' 4" feet |             | 26' 3" feet |             | 17' 9" feet |             |
| feet                | from        | to          | from        | to          | from        | to          |
| INF                 | 25' 2"      | INF         | 18' 7 1/4"  | INF         | 13' 10 1/4" | INF         |
| 60'                 | 18' 1/4"    | INF         | 14' 5 1/2"  | INF         | 11' 5 1/2"  | INF         |
| 30'                 | 14' 1/2"    | 128' 2 1/4" | 11' 9 3/4"  | INF         | 9' 9 1/4"   | INF         |
| 15'                 | 9' 8 3/4"   | 23' 7 1/4"  | 8' 7 3/4"   | 33' 2 3/4"  | 7' 6 1/2"   | 86' 11 1/2" |
| 12'                 | 8' 5 1/4"   | 16' 9 1/4"  | 7' 7 1/2"   | 20' 11 3/4" | 6' 9 1/4"   | 33' 10 1/4" |
| 10'                 | 7' 5 1/4"   | 13'         | 6' 10"      | 15' 4"      | 6' 1 3/4"   | 21' 1/4"    |
| 8'                  | 6' 4"       | 9' 8 3/4"   | 5' 10 3/4"  | 10' 11"     | 5' 4 3/4"   | 13' 5"      |
| 7'                  | 5' 8 1/2"   | 8' 3"       | 5' 4 1/4"   | 9' 3/4"     | 4' 11 1/2"  | 10' 7 3/4"  |
| 6'                  | 5' 3/4"     | 6' 10 1/4"  | 4' 9 1/2"   | 7' 4 3/4"   | 4' 5 3/4"   | 8' 4 1/2"   |
| 5' 6"               | 4' 8 1/2"   | 6' 2 1/4"   | 4' 5 3/4"   | 6' 7 1/4"   | 4' 2 1/2"   | 7' 4 1/4"   |
| 5'                  | 4' 4 1/4"   | 5' 6 1/2"   | 4' 2"       | 5' 10 1/2"  | 3' 11 1/4"  | 6' 5 1/4"   |
| 4' 6"               | 4'          | 4' 11"      | 3' 10"      | 5' 2"       | 3' 7 3/4"   | 5' 7"       |
| 4'                  | 3' 7 1/4"   | 4' 3 3/4"   | 3' 5 3/4"   | 4' 5 3/4"   | 3' 4"       | 4' 9 1/2"   |
| 3' 6"               | 3' 2 1/2"   | 3' 8 3/4"   | 3' 1 1/2"   | 3' 10 1/4"  | 3'          | 4' 1/2"     |
| 3'                  | 2' 9 3/4"   | 3' 1 3/4"   | 2' 8 3/4"   | 3' 2 3/4"   | 2' 8"       | 3' 4 1/4"   |
| 2' 6"               | 2' 4 1/2"   | 2' 7"       | 2' 4"       | 2' 7 3/4"   | 2' 3 1/2"   | 2' 8 1/2"   |
| 2'                  | 1' 11 1/4"  | 2' 1/2"     | 1' 11"      | 2' 3/4"     | 1' 10 1/2"  | 2' 1 1/4"   |
| 22"                 | 1' 9 1/2"   | 1' 10 1/2"  | 1' 9 1/4"   | 1' 10 3/4"  | 1' 9"       | 1' 11"      |
| 21"                 | 1' 8 1/2"   | 1' 9 1/4"   | 1' 8 1/4"   | 1' 9 1/2"   | 1' 8"       | 1' 9 3/4"   |
| 20"                 | 1' 7 1/2"   | 1' 8 1/4"   | 1' 7 1/2"   | 1' 8 1/2"   | 1' 7 1/4"   | 1' 8 3/4"   |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 1/2"   | 1' 7 1/2"   | 1' 6 1/4"   | 1' 7 1/2"   |
| 18"                 | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 1/2"   | 1' 6 1/4"   | 1' 5 1/2"   | 1' 6 1/2"   |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 35 mm

| Engraving           | T-Stop     |             |             |            |
|---------------------|------------|-------------|-------------|------------|
|                     | 16         |             | 22          |            |
| hyperfocal distance | 12' 7"     | feet        | 8' 10" feet |            |
|                     | from       | to          | from        | to         |
| feet                |            |             |             |            |
| INF                 | 10' 3 1/4" | INF         | 7' 7 1/4"   | INF        |
| 60'                 | 8' 11 1/4" | INF         | 6' 10 3/4"  | INF        |
| 30'                 | 7' 11"     | INF         | 6' 3 1/2"   | INF        |
| 15'                 | 6' 5 1/4"  | INF         | 5' 4 1/4"   | INF        |
| 12'                 | 5' 10 1/2" | 352' 1 3/4" | 5'          | INF        |
| 10'                 | 5' 5"      | 46' 4 1/2"  | 4' 8"       | INF        |
| 8'                  | 4' 10 1/4" | 20' 2"      | 4' 3"       | 78' 3 3/4" |
| 7'                  | 4' 6"      | 14' 4 1/2"  | 4'          | 29' 6 3/4" |
| 6'                  | 4' 1 1/4"  | 10' 4 3/4"  | 3' 8 1/2"   | 16' 2"     |
| 5' 6"               | 3' 10 3/4" | 8' 10 1/4"  | 3' 6 1/2"   | 12' 6 3/4" |
| 5'                  | 3' 8"      | 7' 6"       | 3' 4 1/4"   | 9' 11"     |
| 4' 6"               | 3' 5"      | 6' 4"       | 3' 1 3/4"   | 7' 10 1/2" |
| 4'                  | 3' 1 3/4"  | 5' 3 1/2"   | 2' 11 1/4"  | 6' 3 1/2"  |
| 3' 6"               | 2' 10 1/2" | 4' 4 1/2"   | 2' 8 1/4"   | 4' 11 3/4" |
| 3'                  | 2' 6 3/4"  | 3' 6 3/4"   | 2' 5 1/4"   | 3' 11"     |
| 2' 6"               | 2' 2 1/2"  | 2' 10"      | 2' 1 1/2"   | 3' 1/4"    |
| 2'                  | 1' 10 1/4" | 2' 2"       | 1' 9 1/2"   | 2' 3"      |
| 22"                 | 1' 8 1/2"  | 1' 11 1/2"  | 1' 8"       | 2' 1/4"    |
| 21"                 | 1' 7 3/4"  | 1' 10 1/4"  | 1' 7 1/4"   | 1' 10 3/4" |
| 20"                 | 1' 7"      | 1' 9"       | 1' 6 1/2"   | 1' 9 1/2"  |
| 19"                 | 1' 6"      | 1' 7 3/4"   | 1' 5 3/4"   | 1' 8 1/4"  |
| 18"                 | 1' 5 1/4"  | 1' 6 3/4"   | 1' 5"       | 1' 7"      |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 40 mm

| Engraving           | T-Stop      |             |             |             |             |             |
|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | 2.6         |             | 2.8         |             | 4           |             |
| hyperfocal distance | 72' 4" feet |             | 72' 4" feet |             | 55' 9" feet |             |
| feet                | from        | to          | from        | to          | from        | to          |
| INF                 | 73' 9 1/4"  | INF         | 73' 9 1/4"  | INF         | 50' 8"      | INF         |
| 60'                 | 33' 5 1/4"  | 315' 2 3/4" | 33' 5 1/4"  | 315' 2 3/4" | 27' 10"     | INF         |
| 30'                 | 21' 7 1/2"  | 49' 7 1/4"  | 21' 7 1/2"  | 49' 7 1/4"  | 19' 2"      | 61' 10 1/4" |
| 15'                 | 12' 8"      | 18' 5 3/4"  | 12' 8"      | 18' 5 3/4"  | 11' 9 3/4"  | 19' 10 1/2" |
| 12'                 | 10' 5 3/4"  | 14' 3/4"    | 10' 5 3/4"  | 14' 3/4"    | 9' 11"      | 14' 10"     |
| 10'                 | 8' 11 1/2"  | 11' 4 1/4"  | 8' 11 1/2"  | 11' 4 1/4"  | 8' 6 1/2"   | 11' 10"     |
| 8'                  | 7' 4"       | 8' 9 3/4"   | 7' 4"       | 8' 9 3/4"   | 7' 3/4"     | 9' 1"       |
| 7'                  | 6' 6"       | 7' 7"       | 6' 6"       | 7' 7"       | 6' 3 1/2"   | 7' 9 1/2"   |
| 6'                  | 5' 7 3/4"   | 6' 5"       | 5' 7 3/4"   | 6' 5"       | 5' 6"       | 6' 6 1/2"   |
| 5' 6"               | 5' 2 1/2"   | 5' 10"      | 5' 2 1/2"   | 5' 10"      | 5' 1"       | 5' 11 1/4"  |
| 5'                  | 4' 9 1/4"   | 5' 3 1/4"   | 4' 9 1/4"   | 5' 3 1/4"   | 4' 8"       | 5' 4 1/4"   |
| 4' 6"               | 4' 3 3/4"   | 4' 8 1/2"   | 4' 3 3/4"   | 4' 8 1/2"   | 4' 2 3/4"   | 4' 9 1/4"   |
| 4'                  | 3' 10 1/4"  | 4' 1 3/4"   | 3' 10 1/4"  | 4' 1 3/4"   | 3' 9 1/2"   | 4' 2 1/2"   |
| 3' 6"               | 3' 4 3/4"   | 3' 7 1/4"   | 3' 4 3/4"   | 3' 7 1/4"   | 3' 4 1/4"   | 3' 7 3/4"   |
| 3'                  | 2' 11 1/4"  | 3' 1"       | 2' 11 1/4"  | 3' 1"       | 2' 10 3/4"  | 3' 1 1/4"   |
| 2' 6"               | 2' 5 1/2"   | 2' 6 1/2"   | 2' 5 1/2"   | 2' 6 1/2"   | 2' 5 1/4"   | 2' 6 3/4"   |
| 2'                  | 1' 11 3/4"  | 2' 1/4"     | 1' 11 3/4"  | 2' 1/4"     | 1' 11 1/2"  | 2' 1/4"     |
| 22"                 | 1' 9 3/4"   | 1' 10 1/4"  | 1' 9 3/4"   | 1' 10 1/4"  | 1' 9 3/4"   | 1' 10 1/4"  |
| 21"                 | 1' 8 3/4"   | 1' 9 1/4"   | 1' 8 3/4"   | 1' 9 1/4"   | 1' 8 3/4"   | 1' 9 1/4"   |
| 20"                 | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 3/4"   | 1' 8 1/4"   |
| 19"                 | 1' 7"       | 1' 7 1/4"   | 1' 7"       | 1' 7 1/4"   | 1' 6 3/4"   | 1' 7 1/4"   |
| 18"                 | 1' 6"       | 1' 6"       | 1' 6"       | 1' 6"       | 1' 5 3/4"   | 1' 6 1/4"   |

# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 40 mm

| Engraving           | T-Stop      |             |             |            |             |            |
|---------------------|-------------|-------------|-------------|------------|-------------|------------|
|                     | 5.6         |             | 8           |            | 11          |            |
| hyperfocal distance | 39' 4" feet |             | 28' 3" feet |            | 20' feet    |            |
| feet                | from        | to          | from        | to         | from        | to         |
| INF                 | 35' 9 1/4"  | INF         | 25' 11 3/4" | INF        | 18' 9 3/4"  | INF        |
| 60'                 | 22' 9"      | INF         | 18' 5 1/4"  | INF        | 14' 7"      | INF        |
| 30'                 | 16' 8"      | 110' 3 1/2" | 14' 3 1/4"  | INF        | 11' 10 3/4" | INF        |
| 15'                 | 10' 10 1/4" | 22' 11 1/2" | 9' 10"      | 30' 4"     | 8' 8 1/4"   | 56' 2 3/4" |
| 12'                 | 9' 3"       | 16' 5 1/4"  | 8' 6 1/4"   | 19' 9 3/4" | 7' 8"       | 28' 1/2"   |
| 10'                 | 8' 3/4"     | 12' 9 3/4"  | 7' 6"       | 14' 8 1/2" | 6' 10 1/4"  | 18' 8 1/4" |
| 8'                  | 6' 9"       | 9' 7 1/2"   | 6' 4 1/2"   | 10' 7 1/2" | 5' 10 3/4"  | 12' 5 1/2" |
| 7'                  | 6' 1/2"     | 8' 2"       | 5' 9"       | 8' 10 1/4" | 5' 4 1/2"   | 10' 3/4"   |
| 6'                  | 5' 3 3/4"   | 6' 9 3/4"   | 5' 1"       | 7' 3"      | 4' 9 1/2"   | 8'         |
| 5' 6"               | 4' 11"      | 6' 1 3/4"   | 4' 8 3/4"   | 6' 6"      | 4' 6"       | 7' 1"      |
| 5'                  | 4' 6 1/2"   | 5' 6 1/4"   | 4' 4 1/2"   | 5' 9 1/2"  | 4' 2"       | 6' 2 3/4"  |
| 4' 6"               | 4' 1 1/2"   | 4' 10 3/4"  | 4'          | 5' 1 1/4"  | 3' 10"      | 5' 5 1/4"  |
| 4'                  | 3' 8 1/2"   | 4' 3 1/2"   | 3' 7 1/2"   | 4' 5 1/4"  | 3' 6"       | 4' 8 1/4"  |
| 3' 6"               | 3' 3 1/2"   | 3' 8 1/2"   | 3' 2 3/4"   | 3' 9 3/4"  | 3' 1 1/2"   | 3' 11 3/4" |
| 3'                  | 2' 10 1/4"  | 3' 1 3/4"   | 2' 9 3/4"   | 3' 2 1/2"  | 2' 9"       | 3' 3 3/4"  |
| 2' 6"               | 2' 5"       | 2' 7"       | 2' 4 1/2"   | 2' 7 1/2"  | 2' 4"       | 2' 8 1/4"  |
| 2'                  | 1' 11 1/2"  | 2' 1/2"     | 1' 11 1/4"  | 2' 3/4"    | 1' 11"      | 2' 1"      |
| 22"                 | 1' 9 1/2"   | 1' 10 1/2"  | 1' 9 1/2"   | 1' 10 1/2" | 1' 9 1/4"   | 1' 10 3/4" |
| 21"                 | 1' 8 3/4"   | 1' 9 1/4"   | 1' 8 1/2"   | 1' 9 1/2"  | 1' 8 1/4"   | 1' 9 3/4"  |
| 20"                 | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 1/2"   | 1' 8 1/2"  | 1' 7 1/2"   | 1' 8 1/2"  |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 3/4"   | 1' 7 1/4"  | 1' 6 1/2"   | 1' 7 1/2"  |
| 18"                 | 1' 5 3/4"   | 1' 6 1/4"   | 1' 5 3/4"   | 1' 6 1/4"  | 1' 5 1/2"   | 1' 6 1/2"  |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 40 mm

| Engraving           | T-Stop      |            |             |             |
|---------------------|-------------|------------|-------------|-------------|
|                     | 16          |            | 22          |             |
| hyperfocal distance | 14' 1" feet |            | 10' 2" feet |             |
| feet                | from        | to         | from        | to          |
| INF                 | 13' 7"      | INF        | 9' 10"      | INF         |
| 60'                 | 11' 3 1/2"  | INF        | 8' 7 1/2"   | INF         |
| 30'                 | 9' 7 3/4"   | INF        | 7' 8"       | INF         |
| 15'                 | 7' 5 3/4"   | INF        | 6' 3 1/4"   | INF         |
| 12'                 | 6' 8 3/4"   | 69' 5 1/4" | 5' 9"       | INF         |
| 10'                 | 6' 1 1/4"   | 30' 5 1/2" | 5' 3 3/4"   | 372' 4 1/2" |
| 8'                  | 5' 4 1/4"   | 16' 6 3/4" | 4' 9"       | 31' 9 1/4"  |
| 7'                  | 4' 11 1/4"  | 12' 5 3/4" | 4' 5 1/4"   | 19' 2 3/4"  |
| 6'                  | 4' 5 1/2"   | 9' 5"      | 4' 3/4"     | 12' 7 1/2"  |
| 5' 6"               | 4' 2 1/2"   | 8' 1 3/4"  | 3' 10 1/4"  | 10' 4 1/4"  |
| 5'                  | 3' 11"      | 7'         | 3' 7 1/2"   | 8' 6 1/4"   |
| 4' 6"               | 3' 7 3/4"   | 5' 11 3/4" | 3' 4 3/4"   | 7'          |
| 4'                  | 3' 4"       | 5' 3/4"    | 3' 1 1/2"   | 5' 9"       |
| 3' 6"               | 3'          | 4' 2 3/4"  | 2' 10 1/4"  | 4' 8"       |
| 3'                  | 2' 7 3/4"   | 3' 5 3/4"  | 2' 6 1/2"   | 3' 8 3/4"   |
| 2' 6"               | 2' 3 1/4"   | 2' 9 1/4"  | 2' 2 1/2"   | 2' 11"      |
| 2'                  | 1' 10 1/2"  | 2' 1 3/4"  | 1' 10"      | 2' 2 1/2"   |
| 22"                 | 1' 9"       | 1' 11 1/4" | 1' 8 1/2"   | 1' 11 3/4"  |
| 21"                 | 1' 8"       | 1' 10"     | 1' 7 3/4"   | 1' 10 1/2"  |
| 20"                 | 1' 7 1/4"   | 1' 9"      | 1' 7"       | 1' 9 1/4"   |
| 19"                 | 1' 6 1/4"   | 1' 7 3/4"  | 1' 6"       | 1' 8"       |
| 18"                 | 1' 5 1/2"   | 1' 6 1/2"  | 1' 5 1/4"   | 1' 6 3/4"   |



# Depth of field tables



## Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 45 mm

| Engraving           | T-Stop      |             |              |            |              |             |
|---------------------|-------------|-------------|--------------|------------|--------------|-------------|
|                     | 5.6         |             | 8            |            | 11           |             |
| hyperfocal distance | 42' 8" feet |             | 29' 10" feet |            | 21' 12" feet |             |
| feet                | from        | to          | from         | to         | from         | to          |
| INF                 | 67' 2"      | INF         | 47' 3/4"     | INF        | 31' 8"       | INF         |
| 60'                 | 32' 1/2"    | INF         | 26' 8 3/4"   | INF        | 21' 1/2"     | INF         |
| 30'                 | 21' 1/2"    | 103' 8 3/4" | 18' 7 3/4"   | INF        | 15' 9"       | INF         |
| 15'                 | 12' 5 3/4"  | 22' 8"      | 11' 7 1/2"   | 28' 9"     | 10' 5 3/4"   | 43' 10 1/2" |
| 12'                 | 10' 4 1/4"  | 16' 3 3/4"  | 9' 9 1/2"    | 19' 1 3/4" | 8' 11 3/4"   | 24' 8"      |
| 10'                 | 8' 10 1/4"  | 12' 8 3/4"  | 8' 5 1/4"    | 14' 4 1/4" | 7' 10 1/4"   | 17' 1 3/4"  |
| 8'                  | 7' 3 1/4"   | 9' 7"       | 7'           | 10' 5 1/4" | 6' 7 1/4"    | 11' 9 1/4"  |
| 7'                  | 6' 5 1/2"   | 8' 1 3/4"   | 6' 3"        | 8' 8 3/4"  | 5' 11 1/4"   | 9' 7 1/2"   |
| 6'                  | 5' 7 1/4"   | 6' 9 1/2"   | 5' 5 1/2"    | 7' 2"      | 5' 2 3/4"    | 7' 9"       |
| 5' 6"               | 5' 2 1/4"   | 6' 1 3/4"   | 5' 1/2"      | 6' 5 1/4"  | 4' 10 1/4"   | 6' 10 3/4"  |
| 5'                  | 4' 8 3/4"   | 5' 6"       | 4' 7 3/4"    | 5' 9"      | 4' 5 3/4"    | 6' 1"       |
| 4' 6"               | 4' 3 1/2"   | 4' 10 3/4"  | 4' 2 1/2"    | 5' 3/4"    | 4' 1"        | 5' 3 3/4"   |
| 4'                  | 3' 10 1/4"  | 4' 3 1/2"   | 3' 9 1/2"    | 4' 5"      | 3' 8 1/4"    | 4' 7 1/4"   |
| 3' 6"               | 3' 4 3/4"   | 3' 8 1/2"   | 3' 4"        | 3' 9 1/2"  | 3' 3 1/4"    | 3' 11"      |
| 3'                  | 2' 11"      | 3' 1 3/4"   | 2' 10 3/4"   | 3' 2 1/4"  | 2' 10"       | 3' 3 1/4"   |
| 2' 6"               | 2' 5 1/2"   | 2' 7"       | 2' 5 1/4"    | 2' 7 1/2"  | 2' 4 3/4"    | 2' 8"       |
| 2'                  | 1' 11 3/4"  | 2' 1/2"     | 1' 11 1/2"   | 2' 3/4"    | 1' 11 1/2"   | 2' 1"       |
| 22"                 | 1' 9 3/4"   | 1' 10 1/2"  | 1' 9 3/4"    | 1' 10 1/2" | 1' 9 1/2"    | 1' 10 3/4"  |
| 21"                 | 1' 8 3/4"   | 1' 9 1/4"   | 1' 8 3/4"    | 1' 9 1/2"  | 1' 8 1/2"    | 1' 9 3/4"   |
| 20"                 | 1' 7 3/4"   | 1' 8 1/4"   | 1' 7 3/4"    | 1' 8 1/2"  | 1' 7 3/4"    | 1' 8 1/2"   |
| 19"                 | 1' 6 3/4"   | 1' 7 1/4"   | 1' 6 3/4"    | 1' 7 1/4"  | 1' 6 3/4"    | 1' 7 1/2"   |
| 18"                 | 1' 6"       | 1' 6 1/4"   | 1' 5 3/4"    | 1' 6 1/4"  | 1' 5 3/4"    | 1' 6 1/4"   |

## Depth of field tables



### Lightweight Zoom LWZ.2 Vario-Sonnar 15.5-45/T2.6 T\*XP

circle of confusion: 0.025 mm

Focal Length: 45 mm

| Engraving           | T-Stop      |             |             |              |
|---------------------|-------------|-------------|-------------|--------------|
|                     | 16          |             | 22          |              |
| hyperfocal distance | 16' 5" feet |             | 12' 2" feet |              |
|                     | from        | to          | from        | to           |
| feet                |             |             |             |              |
| INF                 | 21' 4 1/2"  | INF         | 14' 7 3/4"  | INF          |
| 60'                 | 16' 1/4"    | INF         | 12'         | INF          |
| 30'                 | 12' 9 3/4"  | INF         | 10' 1 3/4"  | INF          |
| 15'                 | 9' 1 3/4"   | 155' 1 1/2" | 7' 9 1/4"   | INF          |
| 12'                 | 8'          | 40' 7 1/4"  | 6' 11 1/4"  | 499' 10 1/4" |
| 10'                 | 7' 1 1/2"   | 23' 4 1/2"  | 6' 3 1/2"   | 48' 2 1/2"   |
| 8'                  | 6' 1 1/4"   | 14' 3 1/2"  | 5' 6"       | 20' 5 3/4"   |
| 7'                  | 5' 6 1/4"   | 11' 2 1/4"  | 5' 1/2"     | 14' 6 1/4"   |
| 6'                  | 4' 11"      | 8' 8 1/4"   | 4' 6 1/2"   | 10' 5 3/4"   |
| 5' 6"               | 4' 7 1/4"   | 7' 7 1/4"   | 4' 3 1/4"   | 8' 10 3/4"   |
| 5'                  | 4' 3 1/4"   | 6' 7 1/4"   | 3' 11 3/4"  | 7' 6 1/2"    |
| 4' 6"               | 3' 11"      | 5' 8 1/2"   | 3' 8 1/4"   | 6' 4 1/4"    |
| 4'                  | 3' 6 1/2"   | 4' 10 1/2"  | 3' 4 1/2"   | 5' 3 3/4"    |
| 3' 6"               | 3' 2"       | 4' 1 1/4"   | 3' 1/2"     | 4' 4 3/4"    |
| 3'                  | 2' 9 1/4"   | 3' 4 3/4"   | 2' 8"       | 3' 6 3/4"    |
| 2' 6"               | 2' 4 1/4"   | 2' 8 3/4"   | 2' 3 1/2"   | 2' 10"       |
| 2'                  | 1' 11"      | 2' 1 1/2"   | 1' 10 3/4"  | 2' 2"        |
| 22"                 | 1' 9 1/4"   | 1' 11"      | 1' 9"       | 1' 11 1/2"   |
| 21"                 | 1' 8 1/2"   | 1' 10"      | 1' 8 1/4"   | 1' 10 1/4"   |
| 20"                 | 1' 7 1/2"   | 1' 8 3/4"   | 1' 7 1/4"   | 1' 9"        |
| 19"                 | 1' 6 1/2"   | 1' 7 1/2"   | 1' 6 1/2"   | 1' 7 3/4"    |
| 18"                 | 1' 5 3/4"   | 1' 6 1/2"   | 1' 5 1/2"   | 1' 6 3/4"    |