



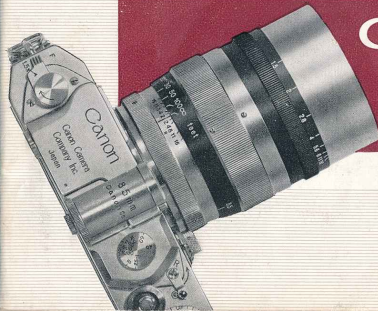
CANON CAMERA COMPANY, INC., TOKYO, JAPAN

No. 202-A

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Canon Lenses

directions and tables

Interchangeable Canon Lenses



28mm f: 3.5



35mm f: 2.8



50mm f: 3.5



50mm f: 1.8



50mm f: 1.5



85mm f: 1.9



85mm f: 1.5



100mm f: 3.5



135mm f: 3.5

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The CANON LENS has been acclaimed by many experts as the finest lens its class today. It is a precision instrument as carefully constructed as the CANON CAMERA itself. Treat it with respect. It has been accurately set and aligned by hand and final settings have been made with microscopic alignment instruments. ALL CANON LENSES are rigidly checked for resolving powers and lens aberration—spherical, coma, astigmatic, curvature of field, distortion, chromatic—and color definition. Any lens that does not come up to our very high standards in any one of these tests is immediately destroyed. A coating harder than optical glass (ultra-hard coating) has been applied to both external surfaces of the lens as protection against scratches, etc. Soft-coating has been applied on all inner air surfaces. These coatings eliminate flare and increase the sharpness of the image.

To obtain the very best results always keep your lens free from dust, fingerprints and moisture. When the camera is not in use keep the lens cap in place. Do not subject the lens to sudden extremes of temperature, and never store in hot humid places, without taking precautions to eliminate moisture in containers by using silica gel.

To clean lens surface use only a fine soft brush or reliable lens cleaning tissue. If further cleaning is necessary use a drop of lens cleaner fluid on the tissue or lint-free cloth. Always wipe in a gentle circular motion.

Do not endeavour to open up the lens. If there is anything wrong return the lens to your dealer who will forward it to the manufacturers for their attention.

Note: All Canon Lenses are coupled with the Canon Camera Rangefinder Mechanism.

CANON LENSES for every purpose

The pictures on these pages were all taken from the same spot, with a CANON camera, using CANON lenses of different focal lengths. Note the extreme range of coverage available without loss of the fine detail. The range of exposures provided by CANON lenses from 28 mm to 800 mm permits either the amateur or professional photographer to portray the subject matter to the best effect with the assurance of brilliance, contrast, resolution and true color fidelity.

28mm



35mm



50mm



85mm



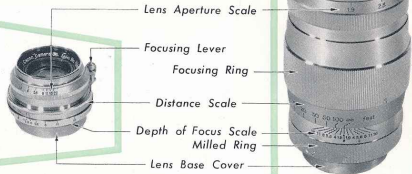
100mm



135mm



DESCRIPTION



Parallax-Compensating Scale



Special Viewfinder

TO DISMOUNT LENS

Unscrew the lens, which may be in either extended or retracted position, by grasping its base. First loosen the lens by a slight jerking motion, then unscrew gently. Do not oil the thread of the lens or tamper with the lens in any way. Always keep the lens flange shaded.

TO MOUNT LENS

Holding the lens by its base, find the thread of the screw by turning the lens slightly in a counter-clockwise direction, then screw clockwise into the flange until tight.

DO NOT ATTEMPT TO TIGHTEN THE LENS INTO THE FLANGE BY GRASPING ANY OTHER PART BUT THE BASE.



Note

Plastic Lens Case



Dust, sand, grease on the lens ruin good exposures and eventually the lens. Protect the fine precision thread from being damaged, screw the dismantled lens into the Plastic Lens Case or cover it with its Lens Cap and Dust Cap (Lens Base Cover).

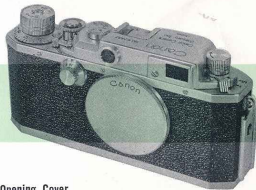


Lens Cap and Dust Cap



Note

Lens Opening Cover



Do not face the lens flange of the camera to strong light during the interchange of lenses. It is advisable to shield the lens flange of the camera completely with your body or by some other means while the other lens is being prepared.

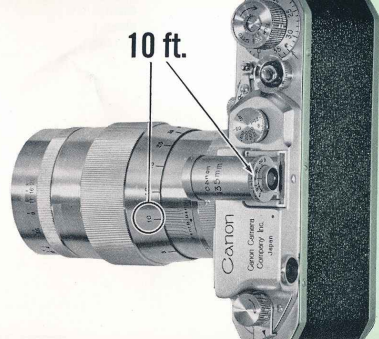
VIEWFINDER and PARALLAX ADJUSTMENT

As the built-in viewfinder of the camera has no device for parallax adjustment, a Special Viewfinder or Universal Viewfinder is recommended for all lenses except those with standard focal lengths (50mm). A Special Viewfinder is supplied with all accessory lenses. When the Special Viewfinder or the Universal Viewfinder is used, the Parallax-compensating Scale must be adjusted in order to have the optical axis of the Viewfinder intersect with that of the lens at the focused subject.

If, for instance, the reading on the Distance Scale on the lens is 10 feet after accurate focusing (see next page), set the Parallax-compensating Scale of the Viewfinder to 10. The field you then see through the Finder will be identical to what the lens will register on the film frame.

Note: The lens and Viewfinder are not mechanically connected, therefore remember to adjust the latter before making an exposure.

Parallax Adjustment

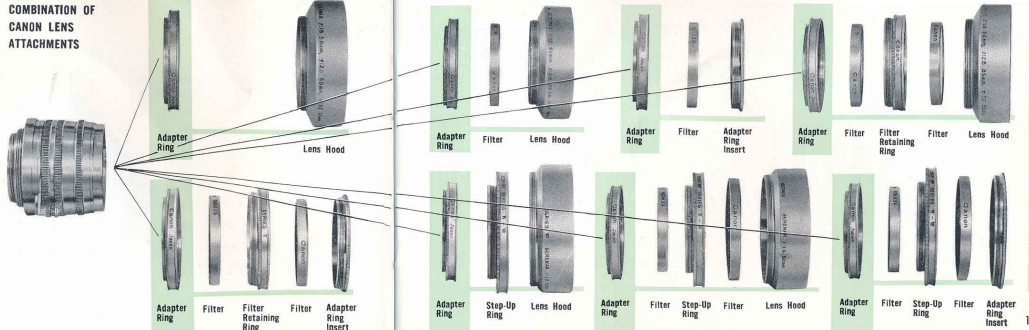


LENS HOOD & FILTERS

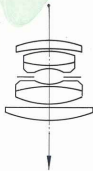
The use of a lens hood is recommended at all times—indoors or outdoors—to keep ambient light from striking the lens. All Canon Lens Hoods are furnished with Adapter Rings except the 85mm f:1.5 lens. The use of a filter is most effective also on certain occasions.

Note: The appropriate Filter for the film used may be ascertained from the film manufacturers' recommendations.

COMBINATION OF CANON LENS ATTACHMENTS



28mm
f: 3.5



CANON 28mm f: 3.5—Ultra-Wide-Angle Lens

A unique lens of exceptionally wide angle of view and speed (three times faster than the f: 6.3 wide-angle lens). Completely accurate and uniform in light transmission.

Specifications:

Lens Elements: 6.

Lens Mount: Non-collapsible.

Lens Head: Non-revolving.

Marked Apertures: f: 3.5, 4, 5.6, 8, 11, 16, and 22. Click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞.

Marked distances in meters—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞.

Angle of View: Total field 75°; vertically 46°, horizontally 65°.

Magnification: 0.56x.

Attachment Size: 34mm Screw-in Adapter Ring, Series VI Attachment.

Net Weight: Appr. 180 grams or 6.5 oz.

- Note: 1. Use Special Viewfinder or Universal Viewfinder with 28mm Front Attachment.
2. The use of a lens hood is not required and is not recommended.

CANON 28mm f: 3.5—Ultra-Wide-Angle Lens

CONTAX MOUNT

28mm
f: 3.5

Except for the mount, this lens is identical to the Canon 28mm f: 3.5 ultra-wide-angle lens with screw-in mount.

The Contax-type mount couples to the rangefinder of the Contax or cameras of similar design.



28mm Front Attachment for Universal Viewfinder

An attachment to adapt the Canon universal viewfinder for use with the Canon 28mm f: 3.5 ultra-wide-angle lens

35mm
f: 2.8



CANON 35mm f: 2.8—Wide-Angle Lens

Probably the fastest lens of this focal length group. It has been designed on CANON's own formula. Excellent for color and black-and-white negatives.

Specifications :

Lens Elements: 6.

Lens Mount: Non-collapsible.

Lens Head: Non-revolving.

Marked Apertures: f: 2.8, 4, 5.6, 8, 11, 16, and 22. Click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances

in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ .

Marked distances in meters—1, 1.25, 1.5, 1.75,

2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View: Total field 64°; vertically 37°, horizontally 54°.

Magnification: 0.7x.

Attachment Size: 34mm Screw-in or 36mm Slip-on Adapter Ring;

Series VI Attachments.

Net Weight: Appr. 200grams or 7.1 oz.

Note: Use Special Viewfinder or Universal Viewfinder.

CANON 50mm f: 3.5 (Type II)—Standard Lens

This Tessar type lens has been designed by Canon's technical department.

Specifications :

Lens Elements: 4.

Lens Mount: Collapsible.

Lens Head: Revolving.

Marked Apertures: f: 3.5, 4, 5.6, 8, 11, and 16. Click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances

in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ .

Marked distances in meters—1, 1.25, 1.5, 1.75,

2, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View: Total field 46°; vertically 26°, horizontally 39°.

Attachment Size: 34mm Screw-in Adapter Ring; Series VI Attach-

ments.

Net Weight: Appr. 170 grams or 6 oz.

50mm
f: 3.5



50 mm
f: 1.8



CANON 50mm f:1.8 Standard Lens

Designed on CANON's own formula. Superior resolution with speed makes this a remarkable lens for miniature photography.

Specifications :

Lens Elements: 6.

Lens Mount: Non-collapsible.

Lens Head: Non-revolving.

Marked Apertures: f: 1.8, 2, 2.8, 4, 5.6, 8, 11, and 16. Click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ . Marked distances in meters—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View: Total field 46°, vertically 26°, horizontally 39°.

Attachment Size: 40mm Screw-in or 42mm Slip-on Adapter Ring; Series VI Attachments.

Net Weight: Appr. 300 grams or 10.4 oz.

CANON 50mm f:1.5 Standard Lens

CANON's proudest achievement in high speed 50mm lenses ideally suited for adverse light conditions. Has excellent resolution and is color corrected to the fullest extent.

Specifications :

Lens Element: 6.

Lens Mount: Non-collapsible.

Lens Head: Non-revolving.

Marked Apertures: f: 1.5, 2, 2.8, 4, 5.6, 8, 11, and 16, Click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 15, 25, 50, and ∞ . Marked distances in meters—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, and ∞ .

Angle of View: Total field 46°; vertically 26°, horizontally 39°.

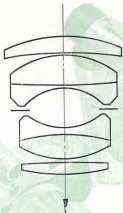
Attachment Size: 40mm Screw-in Adapter Ring. Series VII Attachments.

Net Weight: Appr. 280 grams or 10.4 oz.

50mm
f: 1.5



85mm
f: 1.9



CANON 85mm f: 1.9—Long-Focus Lens

Undoubtedly the finest lens in its class. Ideal for portraiture, excellent resolution; popular with press photographers.

Specifications:

Lens Elements: 6.

Lens Mount: Non-collapsible.

Lens Head: Revolving.

Marked Apertures: f: 1.9, 2.8, 4, 5.6, 8, 11, and 16. click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 100, and ∞ . Marked distances in meters—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 15, 30, and ∞ .

Angle of View: Total field 29°; vertically 16°, horizontally 23°.

Magnification: 1.7x.

Attachment Size: 48mm Screw-in Adapter Ring, Series VII Attachments.

Net Weight: Appr. 620 grams or 22 oz.

Note: Use Special Viewfinder or Universal Viewfinder.

CANON 85mm f: 1.5—Semi-Long-Focus Lens

Semi-long-focus lens of CANON's unique design. A light weight lens combining superlative resolution and speed.

An excellent lens for stage shows and portraiture under adverse light conditions.

Specifications:

Lens Elements: 7.

Lens Mount: Non-collapsible.

Lens Head: Revolving.

Marked Apertures: f: 1.5, 2, 2.8, 4, 5.6, 8, 11, and 16. Click stops.

Focusing Range: 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 100, and ∞ . Marked distances in meters—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 15, 30, and ∞ .

Angle of View: Total field 29°; vertically 16°, horizontally 23°.

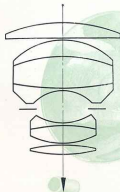
Magnification: 1.7x.

Attachment Size: 58mm Screw-in Ring, Special Size Attachments.

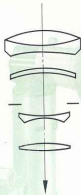
Net Weight: Appr. 750 grams or 27 oz.

Note: Use Special Viewfinder or Universal Viewfinder.

85mm
f: 1.5



100mm
f: 3.5



CANON 100mm f: 3.5—Telephoto Lens

Lightest lens made from modern light-weight alloy.

Recommended for sports, landscapes and press work.

Combines speed and critical sharpness.

Specifications :

Lens Elements : 5.

Lens Mount : Non-collapsible.

Lens Head : Revolving.

Marked Apertures : f: 3.5, 4, 5.6, 8, 11, 16, and 22.

Focusing Range : 3.5 feet or 1 meter to infinity. Marked distances in feet—3.5, 4, 5, 6, 8, 10, 12, 20, 30, 50, 100, and ∞ . Marked distances in meters—1, 1.25, 1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 20, 50, and ∞ .

Angle of View : Total field 24°; vertically 13°, horizontally 20°.

Magnification : 2x.

Attachment Size : 34mm Screw-in Adapter Ring; Series IV Attachments.

Net Weight : Appr. 205 grams or 7.2 oz.

Note : Use Special Viewfinder or Universal Viewfinder.

CANON 135mm f: 3.5—Telephoto Lens

Aberration corrections are nearly perfect.

Recommended for all classes of long distance and aerial photography—The choice of many leading professionals.

Specifications :

Lens Elements : 4.

Lens Mount : Non-collapsible.

Lens Head : Revolving.

Marked Apertures : f: 3.5, 4, 5.6, 8, 11, 16 and 22. Click stops.

Focusing Range : 5 feet or 1.5 meter to infinity. Marked distances.
In feet—5, 6, 7, 8, 10, 12, 15, 20, 30, 50, 70, 100, 200, and ∞ . meters—1.5, 1.75, 2, 2.5, 3, 4, 5, 7, 10, 15, 20, 30, 60, and ∞ .

Angle of View : Total field 19°; vertically 10°, horizontally 15°.

Magnification : 2.7x.

Attachment Size : 48mm screw-in Adapter Ring; Series VII Attachments.

Net Weight : Appr. 580 grams or 21 oz.

Note : Use Special Viewfinder or Universal Viewfinder.

135mm
f: 3.5



EXTRA-LONG FOCUS

CANON LENS 800mm f:8



CANON Lens 800mm f:8

The 800mm f:8 Canon lens is a recent addition to the group of interchangeable accessory lenses designed for use with Canon Cameras, and other cameras of similar type. It gives an image 16 times as large as that of the standard 50mm lens. This lens is not coupled to the Range-Viewfinder built into the Canon Camera. Instead, a special reflex mirror-box is provided which gives a direct erected image of the subject, even at the instant of photographing it. The 800mm lens is ideal for recording animal life in its natural habitat, sporting events, and other subjects at extreme distances from the photographer. Because this lens has equal resolving powers to the standard 50mm lens, any enlargements will have the life-like qualities of ordinary close-ups. It is especially recommended with infra-red film for distant landscapes where precise detail is required.

A sturdy tripod is available with the lens to give support and complete manoeuvrability.

Specifications :

Lens Elements : 2

Lens Mount : Non-collapsible

Lens Head : Revolving

Marked distances : 22m (or 72.16 ft.) 23 (75.44) 25 (81.800) 27 (88.568) 30 (98.400) 35 (114.80)
40 (131.20) 44 (14.760) 50 (164.00) 60 (186.80) 70 (229.60) 80 (2640) 100 (328.0)
120 (393.60) 150 (492.0) 200 (656.00) 300 (984.00) 500 (1,640.00).

Marked Apertures : f:8, 11, 16, 22 and 32.

Focusing Range : 22m (or 72.2 ft.) to ∞.

Angle of View : 3°

Accessories : Mirror Box (reflex). Double Cable Release and Eyepiece. Tripod (dual platform. Legs fold in two section). Filters R₀, R₁. Lens Hood. Carrying Wooden Box.

28 mm

Depth of Focus data on all Canon Lenses.



Special Viewfinder for 28 mm lens

Depth of field in feet:
Canon 28mm f: 3.5

| Distance focused on (ft) | Circle of Confusion=0.035 | | | | | | | | | | | | | |
|--------------------------|---------------------------|--------|--------|--------|--------|--------|-------|-------|-------|--------|-------|-------|-------|--------|
| | f: 3.5 | | f: 4 | | f: 5.6 | | f: 8 | | f: 11 | | f: 16 | | f: 22 | |
| | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in |
| ∞ | 22- 1 | ∞ | 19- 4½ | ∞ | 13-10½ | ∞ | 9- 9½ | ∞ | 7- 2 | ∞ | 4-11½ | ∞ | 3- 6 | ∞ |
| 50 | 13- 4 | ∞ | 13-11½ | ∞ | 10-10½ | ∞ | 8- 1½ | ∞ | 6- 2½ | ∞ | 4- 5½ | ∞ | 3- 4½ | ∞ |
| 25 | 11- 9½ | ∞ | 10-11½ | ∞ | 8-11½ | ∞ | 7- ½ | ∞ | 5- 4½ | ∞ | 4- 1½ | ∞ | 3- 2 | ∞ |
| 15 | 8-11½ | 44- 1 | 8- 6½ | 45- | 7- 3½ | ∞ | 5-11½ | ∞ | 4-10½ | ∞ | 3- 8½ | ∞ | 2-11½ | ∞ |
| 10 | 6-11½ | 18- ½ | 6- 7½ | 20- 4½ | 5-10½ | 25- | 4-11½ | ∞ | 4- 2½ | ∞ | 3- 4½ | ∞ | 2- 8½ | ∞ |
| 8 | 5-11½ | 12- 4½ | 5- 8½ | 13- 5½ | 5- 1½ | 18- 5½ | 4- 3½ | 43- | 3- 9½ | ∞ | 3- 1½ | ∞ | 2- 6½ | ∞ |
| 6 | 4- 9½ | 8- 1½ | 4- 7½ | 8- 6½ | 4- 2½ | 10- 4 | 3- 7½ | 15- ½ | 3- 3½ | 35- 6 | 2- 9½ | ∞ | 2- 3½ | ∞ |
| 5 | 4- 1½ | 6- 4½ | 4- ½ | 6- 7½ | 3- 8½ | 7- 7½ | 3- 4½ | 9-11½ | 2- | 15-10½ | 2- 6½ | ∞ | 2- 1½ | ∞ |
| 4 | 3- 5½ | 4- 9½ | 3- 4½ | 4-11½ | 3- 1½ | 5- 6 | 2-10½ | 6- 6½ | 2- 7½ | 8- 8½ | 2- 2½ | 12- ½ | 1-11½ | ∞ |
| 3.5 | 3- ½ | 4- 1½ | 3 | 4- 3½ | 3-10½ | 4- 7 | 2- 7½ | 5- 3½ | 2- 4½ | 6- 6½ | 2- 1½ | 11- ½ | 1-10½ | 46- 3½ |

28 mm

S. T.

Depth of field in meters:
Canon 28mm f: 3.5



28mm Front Attachment for Universal Viewfinder

| Distance focused on (m) | Circle of Confusion=0.035 | | | | | | | | | | | | | |
|-------------------------|---------------------------|--------|-------|--------|--------|--------|-------|--------|-------|--------|-------|---------|-------|-------|
| | f: 3.5 | | f: 4 | | f: 5.6 | | f: 8 | | f: 11 | | f: 16 | | f: 22 | |
| | m | m | m | m | m | m | m | m | m | m | m | m | m | m |
| ∞ | 4,700 | ∞ | 3,800 | ∞ | 4,300 | ∞ | 2,900 | ∞ | 2,100 | ∞ | 1,500 | ∞ | 1,100 | ∞ |
| 20 | 5,000 | ∞ | 4,500 | ∞ | 3,500 | ∞ | 2,600 | ∞ | 1,900 | ∞ | 1,400 | ∞ | 1,000 | ∞ |
| 10 | 4,040 | ∞ | 3,720 | ∞ | 2,980 | ∞ | 2,290 | ∞ | 1,790 | ∞ | 1,310 | ∞ | 990 | ∞ |
| 7 | 3,400 | ∞ | 3,220 | ∞ | 2,620 | ∞ | 2,090 | ∞ | 1,640 | ∞ | 1,240 | ∞ | 930 | ∞ |
| 5 | 3,090 | 10,150 | 2,720 | 22,260 | 2,310 | ∞ | 1,880 | ∞ | 1,520 | ∞ | 1,160 | ∞ | 890 | ∞ |
| 4 | 2,530 | 7,720 | 2,400 | 12,220 | 2,070 | 71,520 | 1,720 | ∞ | 1,400 | ∞ | 1,100 | ∞ | 870 | ∞ |
| 3 | 2,090 | 5,240 | 2,080 | 6,510 | 1,770 | 10,090 | 1,510 | ∞ | 1,270 | ∞ | 1,010 | ∞ | 820 | ∞ |
| 2.5 | 1,840 | 3,920 | 1,770 | 4,270 | 1,590 | 5,980 | 1,370 | 15,840 | 1,180 | ∞ | 920 | ∞ | 780 | ∞ |
| 2 | 1,550 | 2,810 | 1,520 | 2,980 | 1,370 | 3,710 | 1,210 | 9,960 | 1,040 | 22,670 | 890 | ∞ | 770 | ∞ |
| 1.75 | 1,400 | 2,320 | 1,360 | 2,460 | 1,220 | 3,920 | 1,120 | 4,120 | 990 | 8,480 | 820 | ∞ | 690 | ∞ |
| 1.5 | 1,320 | 1,900 | 1,200 | 1,980 | 1,120 | 2,270 | 1,010 | 2,920 | 920 | 4,590 | 8,770 | 120,000 | 620 | ∞ |
| 1.25 | 1,040 | 1,510 | 1,040 | 1,540 | 890 | 1,720 | 880 | 2,090 | 810 | 2,800 | 6,700 | 4,620 | 600 | ∞ |
| 1 | 890 | 1,120 | 860 | 1,180 | 820 | 1,380 | 760 | 1,660 | 700 | 1,770 | 6,200 | 2,720 | 540 | 8,210 |

28 mm

J. M.

28 mm

35 mm

Depth of field in feet

Canon Lens 35mm f : 2.8

| Distance focused on (ft) | Circle of Confusion=0.035 | | | | | | | | | | | | | | | |
|--------------------------|---------------------------|-------|---------|-------|-------|-------|---------|-------|-------|-------|--------|-------|--------|-------|--------|-------|
| | f : 2.8 | | f : 3.2 | | f : 4 | | f : 5.6 | | f : 8 | | f : 11 | | f : 16 | | f : 22 | |
| | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in |
| ∞ | 43- | ∞ | 37- 3 | ∞ | 29- 9 | ∞ | 21- 3 | ∞ | 15- | ∞ | 10-11 | ∞ | 7- 7 | ∞ | 5- 7 | ∞ |
| 50 | 33- | ∞ | 21- 4 | ∞ | 18- 8 | ∞ | 14-11 | ∞ | 11- 8 | ∞ | 8-11 | ∞ | 4- 6 | ∞ | 4-11 | ∞ |
| 25 | 15- 9 | 60- | 12- 1 | 76- 9 | 13- 7 | 134- | 11- 7 | ∞ | 9- 4 | ∞ | 7- 7 | ∞ | 5- 9 | ∞ | 4- 6 | ∞ |
| 15 | 11- 2 | 33- 1 | 10- 9 | 24-10 | 10- 1 | 39-10 | 8-10 | 49- 9 | 7- 6 | ∞ | 6- 4 | ∞ | 5- 1 | ∞ | 4- 1 | ∞ |
| 10 | 8- 1 | 13-11 | 7-11 | 13- 4 | 7- 4 | 14-10 | 4-10 | 18- 6 | 6- 3 | 29- 4 | 5- 3 | 110- | 4- 4 | ∞ | 3- 7 | ∞ |
| 8 | 4- 9 | 9- 9 | 4- 7 | 10- 1 | 6- 4 | 10- 8 | 3-10 | 12- 7 | 5- 3 | 14- 9 | 4- 8 | 28- 7 | 3-11 | ∞ | 3- 4 | ∞ |
| 6 | 5- 3 | 4-11 | 5- 2 | 7- 1 | 5- 1 | 7- 5 | 4- 8 | 8- 2 | 4- 4 | 9- 9 | 3-11 | 12-10 | 3- 5 | 27- 1 | 3-11 | ∞ |
| 5 | 4- 4 | 5- 7 | 4- 5 | 5- 8 | 4- 3 | 5-11 | 4- 1 | 6- 5 | 3- 9 | 7- 4 | 3- 8 | 8-10 | 3- 1 | 13-10 | 2- 8 | 43- 8 |
| 4 | 3- 8 | 4- 4 | 3- 7 | 4- 5 | 3- 4 | 4- 6 | 3- 5 | 4-10 | 3- 1 | 5- 4 | 2-11 | 6- 1 | 2- 8 | 8- 1 | 2- 4 | 13- 1 |
| 3.5 | 3- 3 | 3- 9 | 3- 2 | 3-10 | 3- 2 | 3-11 | 3- 1 | 4- 1 | 2-10 | 4- 5 | 3- 8 | 4-11 | 2- 5 | 4- 2 | 2- 2 | 8- 9 |

35 mm

S. T.

Depth of field in meters

Canon Lens 35mm f : 2.8

| Distance focused on (m) | Circle of Confusion=0.035 | | | | | | | | | | | | | | | |
|-------------------------|---------------------------|--------|---------|--------|-------|--------|---------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| | f : 2.8 | | f : 3.2 | | f : 4 | | f : 5.6 | | f : 8 | | f : 11 | | f : 16 | | f : 22 | |
| | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m |
| ∞ | 12,900 | ∞ | 11,300 | ∞ | 9,000 | ∞ | 4,400 | ∞ | 4,500 | ∞ | 3,300 | ∞ | 2,300 | ∞ | 1,600 | ∞ |
| 20 | 7,850 | ∞ | 7,250 | ∞ | 4,250 | ∞ | 4,900 | ∞ | 3,700 | ∞ | 2,850 | ∞ | 2,050 | ∞ | 1,550 | ∞ |
| 10 | 5,660 | 43,780 | 5,330 | 84,840 | 4,770 | ∞ | 3,950 | ∞ | 3,140 | ∞ | 2,510 | ∞ | 1,880 | ∞ | 1,440 | ∞ |
| 7 | 4,560 | 15,140 | 4,350 | 18,170 | 3,970 | 30,300 | 3,590 | ∞ | 2,780 | ∞ | 2,370 | ∞ | 1,740 | ∞ | 1,370 | ∞ |
| 5 | 3,620 | 8,090 | 3,490 | 8,870 | 3,240 | 11,010 | 2,850 | 31,320 | 2,400 | ∞ | 2,020 | ∞ | 1,590 | ∞ | 1,270 | ∞ |
| 4 | 3,070 | 5,750 | 2,970 | 6,130 | 2,800 | 7,070 | 2,500 | 10,230 | 2,150 | 31,290 | 1,840 | ∞ | 1,480 | ∞ | 1,200 | ∞ |
| 3 | 2,450 | 3,875 | 2,385 | 4,045 | 2,370 | 4,420 | 2,070 | 5,480 | 1,830 | 8,525 | 1,600 | 28,300 | 1,325 | ∞ | 1,100 | ∞ |
| 2.5 | 2,110 | 3,675 | 2,040 | 3,160 | 1,975 | 3,410 | 1,825 | 3,995 | 1,635 | 5,390 | 1,450 | 9,600 | 1,320 | ∞ | 1,025 | ∞ |
| 2 | 1,745 | 3,345 | 1,710 | 2,405 | 1,655 | 2,535 | 1,545 | 2,845 | 1,410 | 3,475 | 1,370 | 4,820 | 1,095 | 13,815 | 0,935 | ∞ |
| 1.75 | 1,550 | 3,010 | 1,525 | 2,060 | 1,480 | 2,145 | 1,395 | 2,355 | 1,285 | 2,770 | 1,170 | 3,555 | 1,015 | 6,795 | 0,881 | ∞ |
| 1.5 | 1,354 | 1,683 | 1,335 | 1,713 | 1,299 | 1,777 | 1,234 | 1,919 | 1,147 | 2,182 | 1,055 | 2,635 | 0,931 | 4,050 | 0,817 | 11,574 |
| 1.25 | 1,148 | 1,573 | 1,135 | 1,372 | 1,109 | 1,433 | 1,042 | 1,523 | 0,998 | 1,481 | 0,938 | 1,934 | 0,832 | 2,587 | 0,741 | 4,380 |
| 1 | 0,935 | 1,075 | 0,927 | 1,087 | 0,910 | 1,111 | 0,878 | 1,163 | 0,835 | 1,251 | 0,787 | 1,382 | 0,718 | 1,478 | 0,651 | 2,265 |

35 mm

J.M.

35 mm

50 mm

Depth of field in feet

Canon Lens 50mm f : 3.5, f : 1.8 and f : 1.5

| Distance focused on (ft) | Circle of Confusion=0.035 | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---------------------------|-------|---------|-------|---------|-------|-------|-------|---------|-------|---------|-------|-------|-------|---------|-------|-------|-------|--------|-------|--------|-------|-------|-------|
| | f : 1.5 | | f : 1.8 | | f : 1.9 | | f : 2 | | f : 2.8 | | f : 3.5 | | f : 4 | | f : 5.6 | | f : 8 | | f : 11 | | f : 16 | | | |
| | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in |
| ∞ | 167-4 | ∞ | 139-∞ | ∞ | 132-∞ | ∞ | 125-∞ | ∞ | 89-∞ | ∞ | 72-∞ | ∞ | 63-∞ | ∞ | 44-9 | ∞ | 31-4 | ∞ | 23-10 | ∞ | 15-9 | ∞ | | |
| 50 | 36-7 | 71-2 | 36-10 | 77-10 | 36-4 | 80-∞ | 35-10 | 83-∞ | 33-3 | 113-∞ | 29-6 | 145-∞ | 37-11 | 245-∞ | 23-9 | ∞ | 19-5 | ∞ | 15-9 | ∞ | 12-1 | ∞ | | |
| 25 | 21-9 | 29-3 | 21-3 | 30-4 | 21-1 | 30-9 | 20-11 | 31-1 | 19-7 | 36-6 | 18-7 | 38-2 | 18-∞ | 41-3 | 16-2 | 56-∞ | 14-∞ | 119-∞ | 12-1 | ∞ | 9-9 | ∞ | | |
| 15 | 13-9 | 16-5 | 13-7 | 16-9 | 13-6 | 16-10 | 13-5 | 16-11 | 12-11 | 17-11 | 12-6 | 16-10 | 12-2 | 19-7 | 11-4 | 22-3 | 10-3 | 28-2 | 9-2 | 42-1 | 7-9 | 247-∞ | | |
| 10 | 9-5 | 10-7 | 9-4 | 10-8 | 9-4 | 10-9 | 9-3 | 10-10 | 9-1 | 11-2 | 8-10 | 11-6 | 8-8 | 11-10 | 8-2 | 12-9 | 7-8 | 14-5 | 7-1 | 17-4 | 6-3 | 26-∞ | | |
| 8 | 7-7 | 8-4 | 7-7 | 8-5 | 7-6 | 8-5 | 7-6 | 8-6 | 7-6 | 8-8 | 7-3 | 8-11 | 7-1 | 9-1 | 6-10 | 9-7 | 6-5 | 10-7 | 6-1 | 12-∞ | 5-5 | 15-7 | | |
| 6 | 5-9 | 6-2 | 5-9 | 6-3 | 5-9 | 6-3 | 5-9 | 6-3 | 5-7 | 6-4 | 5-6 | 6-6 | 5-6 | 6-7 | 5-6 | 6-10 | 5-1 | 7-3 | 4-10 | 7-11 | 4-5 | 9-4 | | |
| 5 | 4-10 | 5-1 | 4-10 | 5-2 | 4-10 | 5-2 | 4-9 | 5-2 | 4-9 | 5-3 | 4-8 | 5-4 | 4-8 | 5-4 | 4-6 | 5-1 | 4-4 | 5-10 | 4-3 | 6-3 | 3-10 | 7-1 | | |
| 4 | 3-11 | 4-1 | 3-10 | 4-1 | 3-10 | 4-1 | 3-10 | 4-1 | 3-10 | 4-2 | 3-9 | 4-2 | 3-9 | 4-2 | 3-8 | 4-4 | 3-7 | 4-6 | 3-8 | 4-8 | 3-3 | 5-2 | | |
| 3.5 | 3-5 | 3-6 | 3-5 | 3-6 | 3-5 | 3-7 | 3-5 | 3-7 | 3-4 | 3-7 | 3-4 | 3-6 | 3-4 | 3-8 | 3-3 | 3-9 | 3-2 | 3-10 | 3-1 | 4-1 | 2-11 | 4-4 | | |

50 mm

S. T.

Depth of field in meters

Canon Lens 50mm f : 3.5, f : 1.8 and f : 1.5

| Distance focused on (m) | Circle of Confusion=0.035 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---------------------------|--------|---------|--------|---------|--------|--------|--------|---------|--------|---------|---------|--------|--------|---------|--------|-------|--------|--------|--------|--------|--------|---|---|
| | f : 1.5 | | f : 1.8 | | f : 1.9 | | f : 2 | | f : 2.8 | | f : 3.5 | | f : 4 | | f : 5.6 | | f : 8 | | f : 11 | | f : 16 | | | |
| | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m |
| ∞ | 50,780 | ∞ | 42,300 | ∞ | 40,000 | ∞ | 38,000 | ∞ | 37,300 | ∞ | 31,700 | ∞ | 19,000 | ∞ | 13,600 | ∞ | 9,500 | ∞ | 6,900 | ∞ | 4,800 | ∞ | | |
| 20 | 14,400 | 30,900 | 13,600 | 37,750 | 13,400 | 39,700 | 13,150 | 41,900 | 11,500 | 74,600 | 10,450 | 226,200 | 9,000 | ∞ | 8,150 | ∞ | 6,500 | ∞ | 5,200 | ∞ | 3,900 | ∞ | | |
| 10 | 8,200 | 12,410 | 8,110 | 13,040 | 8,030 | 13,270 | 7,950 | 13,500 | 7,340 | 15,700 | 6,890 | 18,330 | 6,590 | 20,800 | 5,810 | 36,700 | 4,930 | ∞ | 4,140 | ∞ | 3,280 | ∞ | | |
| 7 | 6,170 | 8,990 | 6,020 | 8,340 | 5,980 | 8,430 | 5,930 | 8,540 | 5,590 | 9,370 | 5,330 | 10,330 | 5,150 | 10,960 | 4,640 | 14,170 | 4,080 | 25,370 | 3,530 | ∞ | 2,890 | ∞ | | |
| 5 | 4,560 | 5,530 | 4,490 | 5,650 | 4,460 | 5,690 | 4,440 | 5,730 | 4,340 | 6,090 | 4,590 | 6,440 | 3,990 | 6,720 | 3,690 | 7,790 | 3,320 | 10,360 | 3,050 | 17,020 | 2,490 | ∞ | | |
| 4 | 3,720 | 4,330 | 3,670 | 4,400 | 3,650 | 4,430 | 3,630 | 4,450 | 3,500 | 4,660 | 3,400 | 4,840 | 3,330 | 5,020 | 3,120 | 5,590 | 3,050 | 6,740 | 2,880 | 9,100 | 2,220 | 21,980 | | |
| 3 | 2,840 | 3,380 | 2,810 | 3,215 | 2,800 | 3,230 | 2,790 | 3,245 | 2,715 | 3,350 | 2,655 | 3,455 | 2,610 | 3,530 | 2,480 | 3,800 | 2,310 | 4,295 | 2,136 | 5,120 | 1,885 | 7,600 | | |
| 2.5 | 2,390 | 2,820 | 2,370 | 2,645 | 2,360 | 2,665 | 2,355 | 2,685 | 2,300 | 2,735 | 2,255 | 2,805 | 2,225 | 2,855 | 2,135 | 3,025 | 2,060 | 3,325 | 1,870 | 3,800 | 1,680 | 4,995 | | |
| 2 | 1,930 | 2,075 | 1,915 | 2,090 | 1,910 | 2,095 | 1,905 | 2,105 | 1,875 | 2,145 | 1,845 | 2,185 | 1,825 | 2,215 | 1,760 | 2,315 | 1,675 | 2,485 | 1,580 | 3,725 | 1,445 | 3,385 | | |
| 1.75 | 1,695 | 1,865 | 1,685 | 1,820 | 1,685 | 1,825 | 1,680 | 1,825 | 1,655 | 1,860 | 1,625 | 1,895 | 1,615 | 1,910 | 1,565 | 1,985 | 1,500 | 2,185 | 1,425 | 3,380 | 1,315 | 3,450 | | |
| 1.5 | 1,461 | 1,541 | 1,454 | 1,550 | 1,451 | 1,552 | 1,448 | 1,555 | 1,429 | 1,579 | 1,413 | 1,600 | 1,401 | 1,615 | 1,365 | 1,666 | 1,314 | 1,750 | 1,257 | 1,847 | 1,171 | 3,100 | | |
| 1.25 | 1,234 | 1,278 | 1,238 | 1,283 | 1,237 | 1,285 | 1,235 | 1,287 | 1,202 | 1,300 | 1,190 | 1,317 | 1,183 | 1,327 | 1,157 | 1,365 | 1,121 | 1,414 | 1,080 | 1,488 | 1,017 | 1,631 | | |
| 1 | 9,984 | 1,017 | 8,980 | 1,021 | 8,979 | 1,022 | 8,978 | 1,023 | 8,970 | 1,022 | 8,963 | 1,041 | 8,957 | 1,047 | 8,941 | 1,047 | 8,918 | 1,059 | 8,891 | 1,141 | 8,858 | 1,220 | | |

50 mm

J. H.

50 mm



Depth of field in feet

Canon Lens 85mm f: 1.9 and f: 1.5

| Distance focused on (ft) | Circle of Confusion=0.035 | | | | | | | | | | | | | | | | | |
|--------------------------|---------------------------|----------|-----------|----------|-----------|----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|----------|----------|-----------|-----------|
| | f: 1.5 | | f: 1.9 | | f: 2 | | f: 2.8 | | f: 4 | | f: 5.6 | | f: 8 | | f: 11 | | f: 16 | |
| | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in |
| ∞ | 44- | ∞ | 34- | ∞ | 23- | ∞ | 23- | ∞ | 16- | ∞ | 11- | ∞ | 8- | ∞ | 6- | 6- | 9- | ∞ |
| 100 | 88- | 129- | 77-10 | 141- | 76-11 | 142- | 70-5 | 173- | 62-6 | 202- | 54-4 | 248- | 45-2 1/2 | ∞ | 37-9 1/2 | ∞ | 29-5 1/2 | ∞ |
| 50 | 44-11 1/2 | 56-3 | 42-9 1/2 | 58-3 | 45-6 1/2 | 58-9 | 41-4 1/2 | 63-3 | 39-5 1/2 | 71-4 | 35-3 1/2 | 86- | 31-4 1/2 | 129- | 27-4 1/2 | 204- | 22-10 1/2 | ∞ |
| 30 | 28-1 1/2 | 32-1 1/2 | 27-8 1/2 | 32-9 | 27-6 1/2 | 32-11 | 26-8 1/2 | 34-3 | 25-6 | 26-5 1/2 | 26- 1/2 | 32-11 | 32-3 | 46-4 1/2 | 28-2 1/2 | 38-9 | 17-7 1/2 | 136- |
| 20 | 18-2 | 20-11 | 18-11 1/2 | 21-2 | 18-10 1/2 | 21-2 1/2 | 18-5 1/2 | 21-9 1/2 | 17-11 | 22-7 1/2 | 17-2 1/2 | 23-11 | 16-2 1/2 | 26-1 1/2 | 15-2 | 29-6 | 13-8 | 27-7 1/2 |
| 15 | 14-6 1/2 | 15-6 | 14-6 1/2 | 15-3 1/2 | 14-6 1/2 | 15-8 1/2 | 14-1 1/2 | 16-11 1/2 | 13-9 1/2 | 14-8 | 13-4 1/2 | 17- 1/2 | 12-9 1/2 | 18-1 1/2 | 12-1 1/2 | 19-8 1/2 | 11-2 | 22-11 1/2 |
| 12 | 11-8 1/2 | 12-3 1/2 | 11-6 1/2 | 12-6 1/2 | 11-7 1/2 | 12-6 1/2 | 11-5 1/2 | 12-7 1/2 | 11-2 1/2 | 12-10 1/2 | 10-11 1/2 | 13-3 1/2 | 10-4 1/2 | 10-10 1/2 | 10-1 1/2 | 14-9 1/2 | 9-5 1/2 | 14-6 |
| 10 | 9-9 1/2 | 10-2 1/2 | 9-8 1/2 | 10-3 1/2 | 9-8 1/2 | 10-3 1/2 | 9-7 1/2 | 10-6 1/2 | 9-5 1/2 | 10-7 1/2 | 9-4 | 10-10 1/2 | 9- | 11-3 1/2 | 8-8 1/2 | 11-9 1/2 | 9-2 1/2 | 12-10 1/2 |
| 8 | 7-10 1/2 | 8-1 1/2 | 7-10 | 8-2 | 7-10 | 8-2 1/2 | 7-9 1/2 | 8-3 | 7-8 | 8-4 1/2 | 7-6 1/2 | 8-4 1/2 | 7-4 1/2 | 8-9 1/2 | 7-1 1/2 | 9-1 1/2 | 6-9 1/2 | 9-8 1/2 |
| 7 | 6-10 1/2 | 7-1 1/2 | 6-10 1/2 | 7-1 1/2 | 6-10 1/2 | 7-1 1/2 | 6-9 1/2 | 7-2 1/2 | 6-9 | 7-2 1/2 | 6-7 1/2 | 7-4 1/2 | 6-4 1/2 | 7-4 1/2 | 6-4 1/2 | 7-9 1/2 | 6-1 | 8-3 |
| 6 | 5-11 1/2 | 6- 1/2 | 5-10 1/2 | 6-1 1/2 | 5-11 | 6-1 1/2 | 5-10 1/2 | 6-1 1/2 | 5-9 1/2 | 6-2 1/2 | 5-9 1/2 | 6-2 1/2 | 5-7 1/2 | 6-4 1/2 | 5-4 1/2 | 6-4 1/2 | 5-4 | 6-10 1/2 |
| 5 | 4-11 1/2 | 5- 1/2 | 4-11 1/2 | 5- 1/2 | 4-11 1/2 | 5- 1/2 | 4-11 | 5-1 1/2 | 4-10 1/2 | 5-1 1/2 | 4-10 | 5-2 1/2 | 4-9 1/2 | 5-2 1/2 | 4-8 1/2 | 5-4 1/2 | 4-4 1/2 | 5-4 1/2 |
| 4 | 3-11 1/2 | 4- 1/2 | 3-11 1/2 | 4- 1/2 | 3-11 1/2 | 4- 1/2 | 3-11 1/2 | 4- 1/2 | 3-11 1/2 | 4-1 | 3-10 1/2 | 4-1 1/2 | 3-10 1/2 | 4-2 | 3-9 1/2 | 4-2 1/2 | 3-8 1/2 | 4-4 1/2 |
| 3.5 | 3-8 1/2 | 3-6 1/2 | 3-8 1/2 | 3-6 1/2 | 3-8 1/2 | 3-6 1/2 | 3-8 1/2 | 3-6 1/2 | 3-8 1/2 | 3-6 1/2 | 3-8 1/2 | 3-6 1/2 | 3-8 1/2 | 3-6 1/2 | 3-8 1/2 | 3-6 1/2 | 3-8 1/2 | 3-6 1/2 |

85 mm

S. T.

Universal Viewfinder

85 mm

Depth of field in meters

Canon Lens 85mm f: 1.9 and f: 1.5

| Distance focused on (m) | Circle of Confusion=0.035 | | | | | | | | | | | | | | | | | |
|-------------------------|---------------------------|--------|---------|--------|---------|--------|--------|--------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|
| | f: 1.5 | | f: 1.9 | | f: 2 | | f: 2.8 | | f: 4 | | f: 5.6 | | f: 8 | | f: 11 | | f: 16 | |
| | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m |
| ∞ | 134,000 | ∞ | 106,000 | ∞ | 100,000 | ∞ | 72,000 | ∞ | 58,400 | ∞ | 36,000 | ∞ | 25,200 | ∞ | 18,300 | ∞ | 12,600 | ∞ |
| 30 | 24,600 | 28,500 | 23,400 | 41,700 | 23,200 | 42,600 | 21,300 | 51,200 | 18,900 | 73,500 | 16,400 | 173,000 | 13,800 | ∞ | 11,500 | ∞ | 8,900 | ∞ |
| 15 | 12,300 | 14,250 | 11,700 | 17,400 | 11,600 | 17,600 | 12,450 | 18,900 | 11,600 | 21,250 | 10,650 | 21,500 | 9,450 | 36,450 | 8,300 | 78,850 | 6,900 | ∞ |
| 10 | 8,200 | 10,770 | 7,800 | 11,620 | 7,730 | 11,000 | 8,000 | 11,580 | 8,360 | 12,470 | 7,870 | 13,740 | 7,210 | 16,380 | 6,130 | 21,250 | 5,440 | 45,620 |
| 7 | 6,600 | 7,370 | 6,580 | 7,480 | 6,560 | 7,510 | 6,490 | 7,720 | 6,170 | 8,090 | 5,990 | 8,620 | 5,520 | 9,990 | 5,110 | 11,140 | 4,540 | 15,270 |
| 5 | 4,800 | 5,180 | 4,780 | 5,340 | 4,770 | 5,250 | 4,690 | 5,260 | 4,570 | 5,530 | 4,410 | 5,770 | 4,290 | 4,180 | 3,970 | 4,780 | 3,630 | 8,070 |
| 4 | 3,890 | 4,120 | 3,860 | 4,150 | 3,860 | 4,160 | 3,800 | 4,220 | 3,720 | 4,230 | 3,620 | 4,470 | 3,480 | 4,710 | 3,320 | 3,690 | 3,080 | 5,720 |
| 3 | 2,990 | 3,060 | 2,920 | 3,080 | 2,920 | 3,060 | 2,890 | 3,120 | 2,840 | 3,170 | 2,780 | 3,250 | 2,700 | 3,270 | 2,600 | 3,340 | 2,440 | 3,840 |
| 2.5 | 2,400 | 2,540 | 2,440 | 2,550 | 2,440 | 2,540 | 2,420 | 2,580 | 2,390 | 2,620 | 2,350 | 2,670 | 2,290 | 2,750 | 2,290 | 3,840 | 2,120 | 3,080 |
| 2 | 1,970 | 2,020 | 1,960 | 2,030 | 1,960 | 2,020 | 1,950 | 2,050 | 1,920 | 2,070 | 1,900 | 2,100 | 1,870 | 2,150 | 1,800 | 3,210 | 1,750 | 2,330 |
| 1.75 | 1,720 | 1,770 | 1,720 | 1,770 | 1,720 | 1,770 | 1,710 | 1,790 | 1,700 | 1,800 | 1,680 | 1,820 | 1,650 | 1,860 | 1,610 | 1,910 | 1,540 | 1,990 |
| 1.5 | 1,480 | 1,510 | 1,480 | 1,510 | 1,480 | 1,510 | 1,470 | 1,520 | 1,460 | 1,530 | 1,440 | 1,550 | 1,420 | 1,580 | 1,400 | 1,610 | 1,360 | 1,670 |
| 1.25 | 1,240 | 1,260 | 1,230 | 1,260 | 1,230 | 1,260 | 1,220 | 1,280 | 1,220 | 1,270 | 1,210 | 1,290 | 1,200 | 1,300 | 1,180 | 1,320 | 1,160 | 1,360 |
| 1 | 990 | 1,000 | 990 | 1,000 | 990 | 1,000 | 980 | 1,010 | 980 | 1,010 | 970 | 1,020 | 970 | 1,030 | 960 | 1,040 | 940 | 1,060 |

85 mm

J. M.

Universal Framefinder



85 mm

Depth of field in feet

Canon Lens 100mm f: 3.5

| Distance focused on (ft) | Circle of Confusion=0.035 | | | | | | | | | | | | | |
|--------------------------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | f: 3.5 | | f: 4 | | f: 5.6 | | f: 8 | | f: 11 | | f: 16 | | f: 22 | |
| | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in |
| ∞ | 268- | ∞ | 225- | ∞ | 168- | ∞ | 118- | ∞ | 85-10 | ∞ | 59- 3 | ∞ | 43- 3 | ∞ |
| 100 | 73- 1/2 | 147- | 79- 4 | 173- | 62-10 | 246- | 54- 3 | 356- | 46- 4 | ∞ | 27- 3/4 | ∞ | 20- 3/4 | ∞ |
| 50 | 42- 3/4 | 61- 3/4 | 41- 4 1/2 | 63- 3 | 38- 8 1/2 | 70- 9 | 35- 3 1/2 | 86- 2 | 31- 9 1/2 | 118- | 27- 3/4 | 316- | 23- 3 | ∞ |
| 30 | 27- 1/2 | 33- 7/8 | 26- 8 1/2 | 34- 3 | 23- 6 1/2 | 39- 3 1/2 | 24- 1/2 | 39-11 | 22- 4 1/2 | 45- 7 1/2 | 29- 1 | 59-10 | 17-10 1/2 | 99-11 |
| 20 | 18- 8 1/2 | 21- 6 1/2 | 18- 6 | 21- 9 1/2 | 17-11 1/2 | 22- 7 | 17- 3 1/2 | 23-10 1/2 | 16- 4 1/2 | 25- 9 1/2 | 15- 1 1/2 | 29- 8 1/2 | 13-10 1/2 | 36- 4 1/2 |
| 15 | 14- 3 | 15-10 | 14- 3 1/2 | 15-11 1/2 | 13-10 1/2 | 16- 4 1/2 | 13- 4 1/2 | 17- 5/8 | 13-10 1/2 | 17-11 1/2 | 12- 1 1/2 | 19- 9 1/2 | 11- 3 1/2 | 29- 5 1/2 |
| 12 | 11- 4 1/2 | 12- 6 1/2 | 11- 5 1/2 | 12- 7 1/2 | 11- 3 1/2 | 12-10 1/2 | 10-11 1/2 | 13- 3 | 10- 7 1/2 | 13- 9 1/2 | 10- 1 1/2 | 14- 9 1/2 | 9- 4 1/2 | 16- 3 1/2 |
| 10 | 9- 8 1/2 | 10- 4 1/2 | 9- 7 1/2 | 10- 4 1/2 | 9- 3 1/2 | 10- 6 1/2 | 9- 3 1/2 | 10-10 1/2 | 9- 1/2 | 11- 2 1/2 | 9- 8 | 11-10 | 8- 3 1/2 | 12- 8 1/2 |
| 8 | 7- 9 1/2 | 8- 3 1/2 | 7- 8 1/2 | 8- 3 | 7- 8 1/2 | 8- 4 1/2 | 7- 6 1/2 | 8- 4 1/2 | 7- 4 1/2 | 8- 8 1/2 | 7- 1 1/2 | 8- 1 1/2 | 6-10 1/2 | 7- 7 1/2 |
| 7 | 6-10 1/2 | 7- 2 | 6- 9 1/2 | 7- 3 1/2 | 6- 9 1/2 | 7- 3 1/2 | 6- 7 1/2 | 7- 4 1/2 | 6- 6 1/2 | 7- 4 1/2 | 6- 4 1/2 | 7- 9 1/2 | 6- 1 1/2 | 8- 2 |
| 6 | 5-10 1/2 | 6- 1 1/2 | 5-10 1/2 | 6- 1 1/2 | 5- 9 1/2 | 6- 3 1/2 | 5- 9 | 6- 3 1/2 | 5- 8 | 6- 4 1/2 | 5- 4 1/2 | 6- 4 1/2 | 5- 4 1/2 | 6- 9 1/2 |
| 5 | 4-11 1/2 | 5- 1/2 | 4-11 | 5- 1 | 4-10 1/2 | 5- 1 1/2 | 4-10 | 5- 2 1/2 | 4- 9 1/2 | 5- 3 | 4- 8 1/2 | 5- 4 1/2 | 4- 6 1/2 | 5- 6 1/2 |
| 4 | 3-11 1/2 | 4- 1/2 | 3-11 1/2 | 4- 1/2 | 3-11 1/2 | 4- 1/2 | 3-10 1/2 | 4- 1 1/2 | 3-10 1/2 | 4- 1 1/2 | 3- 9 1/2 | 4- 3 1/2 | 3- 8 1/2 | 4- 3 1/2 |
| 3.5 | 3- 5 1/2 | 3- 4 1/2 | 3- 5 1/2 | 3- 6 1/2 | 3- 3 1/2 | 3- 4 1/2 | 3- 5 1/2 | 3- 4 1/2 | 3- 4 1/2 | 3- 7 1/2 | 3- 4 1/2 | 3- 7 1/2 | 3- 3 1/2 | 3- 8 1/2 |

100 mm

S. T.



Filters

100 mm

Depth of field in meters

Canon Lens 100mm f: 3.5

| Distance focused on (m) | Circle of Confusion=0.035 | | | | | | | | | | | | | |
|-------------------------|---------------------------|---------|--------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| | f: 3.5 | | f: 4 | | f: 5.6 | | f: 8 | | f: 11 | | f: 16 | | f: 22 | |
| | m | m | m | m | m | m | m | m | m | m | m | m | m | m |
| ∞ | 81,600 | ∞ | 71,400 | ∞ | 51,600 | ∞ | 35,700 | ∞ | 26,600 | ∞ | 17,900 | ∞ | 13,000 | ∞ |
| 50 | 31,100 | 128,000 | 29,500 | 164,000 | 25,400 | 208,000 | 20,900 | ∞ | 17,200 | ∞ | 13,300 | ∞ | 10,400 | ∞ |
| 20 | 16,100 | 26,350 | 18,700 | 27,680 | 14,450 | 32,600 | 12,900 | 44,750 | 11,400 | 83,800 | 9,550 | ∞ | 8,000 | ∞ |
| 10 | 8,940 | 11,350 | 8,810 | 11,570 | 8,410 | 12,350 | 7,870 | 13,740 | 7,290 | 16,000 | 6,490 | 32,020 | 5,740 | 48,410 |
| 7 | 6,470 | 7,430 | 6,400 | 7,730 | 6,190 | 8,960 | 5,960 | 8,620 | 5,570 | 9,450 | 5,100 | 11,240 | 4,630 | 14,580 |
| 5 | 4,730 | 5,310 | 4,690 | 5,350 | 4,580 | 5,510 | 4,420 | 5,760 | 4,240 | 6,110 | 3,960 | 6,800 | 3,680 | 7,870 |
| 4 | 3,820 | 4,190 | 3,800 | 4,220 | 3,730 | 4,310 | 3,620 | 4,460 | 3,500 | 4,670 | 3,320 | 5,050 | 3,120 | 5,610 |
| 3 | 2,900 | 3,105 | 2,870 | 3,120 | 2,850 | 3,170 | 2,790 | 3,245 | 2,720 | 3,250 | 2,610 | 3,535 | 2,485 | 3,795 |
| 2.5 | 2,425 | 2,570 | 2,425 | 2,580 | 2,395 | 2,610 | 2,355 | 2,645 | 2,305 | 2,720 | 2,325 | 2,855 | 2,140 | 3,015 |
| 2 | 1,960 | 2,045 | 1,935 | 2,050 | 1,935 | 2,070 | 1,910 | 2,100 | 1,800 | 2,140 | 1,825 | 2,210 | 1,770 | 2,305 |
| 1.75 | 1,720 | 1,780 | 1,715 | 1,785 | 1,700 | 1,800 | 1,680 | 1,825 | 1,660 | 1,805 | 1,620 | 1,905 | 1,575 | 1,970 |
| 1.5 | 1,478 | 1,520 | 1,475 | 1,526 | 1,466 | 1,536 | 1,451 | 1,552 | 1,424 | 1,573 | 1,406 | 1,608 | 1,374 | 1,654 |
| 1.25 | 1,234 | 1,265 | 1,234 | 1,267 | 1,227 | 1,274 | 1,218 | 1,284 | 1,206 | 1,298 | 1,187 | 1,320 | 1,166 | 1,309 |
| 1 | 9,992 | 1,009 | 9,990 | 1,010 | 9,987 | 1,014 | 9,981 | 1,020 | 9,974 | 1,028 | 9,963 | 1,041 | 9,949 | 1,057 |

100 mm

J. M.



Lens Hood

100 mm



Filter Retaining Ring

Depth of field in feet

Canon Lens 135mm f:3.5

| Distance focused on (ft) | Circle of Confusion=0.035 | | | | | | | | | | | | | |
|--------------------------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | f: 3.5 | | f: 4 | | f: 5.6 | | f: 8 | | f: 11 | | f: 16 | | f: 22 | |
| | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in | ft-in |
| ∞ | 483- | | 473- | ∞ | 303- | ∞ | 212- | ∞ | 154- | ∞ | 106- | ∞ | 77- 8 | ∞ |
| 200 | 141- | 140- | 136- | 378- | 121- | 581- | 183- | 3221- | 87- 4 | ∞ | 49- 7 | ∞ | 36- | ∞ |
| 100 | 83- 1 | 138- | 81- 1 | 131- | 75- 3 | 149- | 88- 3 | 188- | 61- | 281- | 51-10 | 1639- | 43-11 | ∞ |
| 70 | 61- 4 | 81- 7 | 60- 3 | 83- 7 | 57- 1 | 90- 8 | 12-10 | 104- | 48- 5 | 137- | 42- 6 | 202- | 37- 1 | 68- |
| 50 | 49- 3½ | 53- 7½ | 44-10 | 54- 4 | 42- 1 | 59- 8 | 40- 8 | 45- | 38- | 73- 3 | 34- 3½ | 75- | 30- 8 | 138- |
| 30 | 38- 4 | 31-10½ | 28- 1½ | 32- 3½ | 27- 5 | 33- 1½ | 24- 5½ | 24- 8½ | 25- 3½ | 24-10½ | 23- 7½ | 41- 3½ | 21-10½ | 47-11½ |
| 20 | 18- 3½ | 28- 9½ | 19- 1½ | 20-11½ | 18-10½ | 21- 3½ | 18- 4½ | 21-11½ | 17-10½ | 22- 9½ | 17- ½ | 24- 3½ | 16- 1½ | 26- 5½ |
| 15 | 14- 7½ | 18- 5½ | 14- 6½ | 15- 6 | 14- 4½ | 16- 8½ | 14- 1½ | 16- 7½ | 13- 9½ | 16- 5½ | 13- 3½ | 17- 2½ | 12- 9½ | 18- 3 |
| 12 | 11- 8½ | 13- 3½ | 11- 8½ | 12- 3½ | 11- 7½ | 12- 5½ | 11- 5½ | 12- 7½ | 11- 3½ | 13-10½ | 10-10½ | 13- 4½ | 10- 6½ | 13-11½ |
| 10 | 9- 9½ | 10- 3½ | 9- 9½ | 10- 3½ | 9- 8½ | 10- 3½ | 9- 7½ | 10- 5½ | 9- 5½ | 10- 7½ | 9- 3 | 10-10½ | 9- | 11- 3½ |
| 8 | 7-10½ | 8- 1½ | 7-10½ | 8- 1½ | 7-10 | 8- 2½ | 7- 9½ | 8- 3½ | 7- 8½ | 8- 4½ | 7- 6½ | 8- 6½ | 7- 4½ | 8- 9½ |
| 7 | 6-11 | 7- 1 | 6-10½ | 7- 1½ | 6-10½ | 7- 1½ | 6- 9½ | 7- 3½ | 6- 9 | 7- 3½ | 6- 7½ | 7- 4½ | 6- 6½ | 7- 6½ |
| 6 | 5-11½ | 6- ½ | 5-11½ | 6- ½ | 5-10½ | 6- 1½ | 5-10½ | 6- 1½ | 5- 9½ | 6- 3½ | 5- 9 | 6- 3½ | 5- 8 | 6- 4½ |
| 5 | 4-11½ | 5- ½ | 4-11½ | 5- ½ | 4-11½ | 5- ½ | 4-11 | 5- 1 | 4-10½ | 5- 1½ | 4-10 | 5- 3½ | 4- 9½ | 5- 3 |

135 mm

S. T.

135 mm

Depth of field in meters

Canon Lens 135mm f:3.5

| Distance focused on (m) | Circle of Confusion=0.035 | | | | | | | | | | | | | |
|-------------------------|---------------------------|---------|---------|---------|--------|---------|--------|---------|--------|--------|--------|---------|--------|---------|
| | f: 3.5 | | f: 4 | | f: 5.6 | | f: 8 | | f: 11 | | f: 16 | | f: 22 | |
| | m | m | m | m | m | m | m | m | m | m | m | m | m | m |
| ∞ | 147,800 | ∞ | 108,000 | ∞ | 91,900 | ∞ | 64,300 | ∞ | 44,800 | ∞ | 32,300 | ∞ | 23,400 | ∞ |
| 60 | 42,700 | 100,000 | 31,000 | 111,000 | 24,400 | 171,000 | 31,200 | 832,000 | 26,400 | ∞ | 21,100 | ∞ | 17,000 | ∞ |
| 30 | 25,000 | 37,400 | 24,400 | 39,000 | 22,700 | 44,300 | 28,600 | 55,600 | 18,400 | 81,900 | 15,700 | 390,000 | 13,300 | ∞ |
| 20 | 17,650 | 23,050 | 17,350 | 23,600 | 16,500 | 25,400 | 15,300 | 28,750 | 14,100 | 34,450 | 12,450 | 51,400 | 10,900 | 126,000 |
| 15 | 13,650 | 16,450 | 13,500 | 16,900 | 12,950 | 17,850 | 12,250 | 12,400 | 11,450 | 21,800 | 10,350 | 37,500 | 9,250 | 40,150 |
| 10 | 9,390 | 10,700 | 9,310 | 10,800 | 9,040 | 11,160 | 8,710 | 11,730 | 8,310 | 12,580 | 7,730 | 14,240 | 7,110 | 16,980 |
| 7 | 6,700 | 7,330 | 6,640 | 7,380 | 6,530 | 7,540 | 6,350 | 7,800 | 6,140 | 8,190 | 5,820 | 8,800 | 5,480 | 9,750 |
| 5 | 4,850 | 5,160 | 4,820 | 5,160 | 4,740 | 5,260 | 4,670 | 5,380 | 4,540 | 5,540 | 4,380 | 5,820 | 4,190 | 4,320 |
| 4 | 3,910 | 4,100 | 3,890 | 4,110 | 3,850 | 4,160 | 3,790 | 4,230 | 3,720 | 4,320 | 3,600 | 4,500 | 3,470 | 1,720 |
| 3 | 2,950 | 3,055 | 2,940 | 3,040 | 2,920 | 3,085 | 2,885 | 3,125 | 2,845 | 3,175 | 2,780 | 3,240 | 2,760 | 1,370 |
| 2.5 | 2,465 | 2,535 | 2,440 | 2,540 | 2,445 | 2,535 | 2,435 | 2,585 | 2,395 | 2,415 | 2,350 | 2,470 | 2,360 | 2,745 |
| 2 | 1,980 | 2,020 | 1,975 | 2,025 | 1,965 | 2,035 | 1,955 | 2,050 | 1,935 | 2,070 | 1,910 | 2,100 | 1,875 | 2,145 |
| 1.75 | 1,725 | 1,745 | 1,730 | 1,770 | 1,725 | 1,775 | 1,715 | 1,785 | 1,700 | 1,800 | 1,680 | 1,825 | 1,640 | 1,855 |
| 1.5 | 1,480 | 1,511 | 1,480 | 1,513 | 1,480 | 1,518 | 1,474 | 1,525 | 1,467 | 1,538 | 1,482 | 1,551 | 1,435 | 1,572 |

135 mm

J. M.



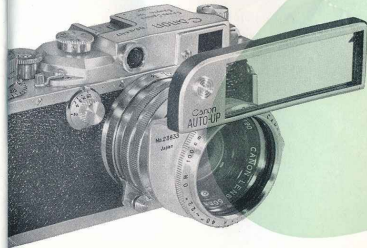
Step-Up Ring

135 mm



CANON CAMERA HOLDER

An ideal accessory for close-up, telephoto and time exposure shots. The Canon CAMERA HOLDER is designed to hold the camera in a balanced position when using a tripod. The camera can be mounted either vertically or horizontally. Spirit Level ensures accurate composition of subject. Additional tripod sockets may be used for mounting Canon Side Lighting Units.



CANON AUTO-UPS

Ideal for photographing flowers, insects and other small objects. The two Canon AUTO-UPS are close-up lenses for use with the Canon 50mm f:1.8 and 50mm f:1.5 lenses. Subjects lying between 22 inches and 40 inches can be accurately focused upon through the rangefinder of the camera. It is not necessary to dismount the lens to use the AUTO-UP; simply mount the AUTO-UP onto the 50mm f:1.8 or f:1.5 lens.



CANON UNIVERSAL VIEWFINDER

A precision instrument which gives an exceptionally sharp erect image. Field of view is variable for lenses with focal lengths between 35mm and 135mm. The fields of view are unaffected by the position of the eye. Both parallax compensating scale and dioptral adjustment device are incorporated.

LEATHER CARRYING CASES.

Leather Case for Telephoto Lenses



Leather Case for Wide-Angle Lenses