

This manual is for reference and historical purposes, all rights reserved.

This page is copyright© by M. Butkus, NJ.

This page may not be sold or distributed without the expressed permission of the producer

I have no connection with any camera company

On-line camera manual library

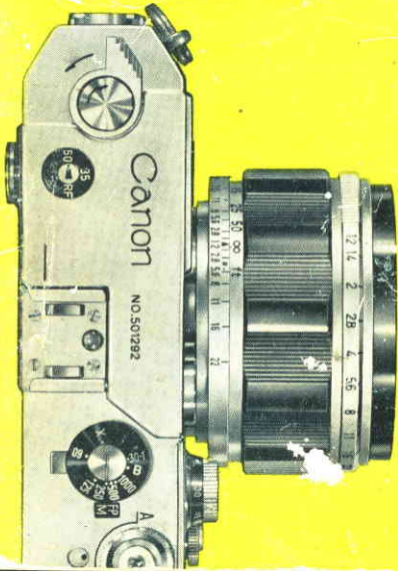
This is the full text and images from the manual. This may take 3 full minutes for the PDF file to download.

If you find this manual useful, how about a donation of \$3 to: M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701 and send your e-mail address so I can thank you. Most other places would charge you \$7.50 for a electronic copy or \$18.00 for a hard to read Xerox copy.

This will allow me to continue to buy new manuals and pay their shipping costs.

It'll make you feel better, won't it?

**If you use Pay Pal or wish to use your credit card,
click on the secure site on my main page.**



Canon

LENSES

**directions
and
tables**

T

Canon Lenses

The CANON LENS has been acclaimed by many experts as the finest lens in 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 are 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 discarded. According to the characteristics of the lenses they are coated either in purple, magenta, or amber in order to obtain true color for color photography.

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 manufactures for their attention.

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

CONTENTS

HOW TO USE CANON LENS

How to dismount and mount lens	4
Infrared mark	5
Descriptions	6
How to take care of your lens	7
The series of pictures taken from the same spot using various Canon Lenses	8
Viewfinder and Parallax Adjustmnet	10

CANON LENS

25 mm f: 3.5.....	11
28 mm f: 3.5.....	12
28 mm f: 2.8.....	13
35 mm f: 2.8.....	14
35 mm f: 1.8.....	15
50 mm f: 2.8.....	16
50 mm f: 1.8.....	17
50 mm f: 1.5.....	18
50 mm f: 1.2.....	19
85 mm f: 1.9.....	20
85 mm f: 1.5.....	21
100 mm f: 3.5.....	22
135 mm f: 3.5.....	23
400 mm f: 4.5.....	24
800 mm f: 8.....	25

DEPTH OF FIELD

25 mm	26~27
28 mm	28~29
35 mm	30~31
50 mm	32~33
85 mm	34~35
100 mm	36~37
135 mm	38~39
400 mm	40~41
800 mm	42



HOW TO DISMOUNT AND MOUNT LENS

TO DISMOUNT LENS

Unscrew the lens, which may be in either extended or retracted position, by grasping its base. First loose 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

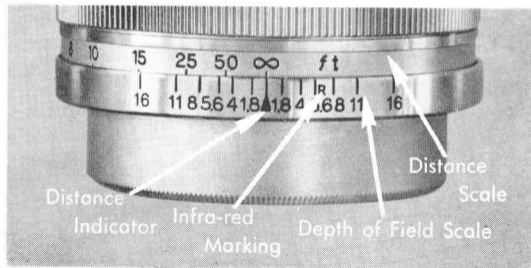
Holding the lens by its base, find the thread of the screw by turning the lens slightly in a counter-clockwise direction, then screw clockwise into the flange until tight.

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

INFRARED MARK

Infrared Mark is used only for infrared photography. After focusing in the usual manner, read the object distance scale of the lens and then turn the lens so that the object distance is exactly opposite the "R" index mark. The lens is now focused for infrared photography.

Infrared mark on any Canon lens is situated in a position where it will offer the best result by using infrared film and infrared filter (such as Kodak IR 135 and Wratten Filter No. 87), both having a maximum sensitivity at a wave length of approximately 8000 Å. Therefore it is appropriate to shift about 1/3 of the amount to "R" when using, say Kodak Plus X or regular-panchromatic film with a Wratten filter of about No. 25.

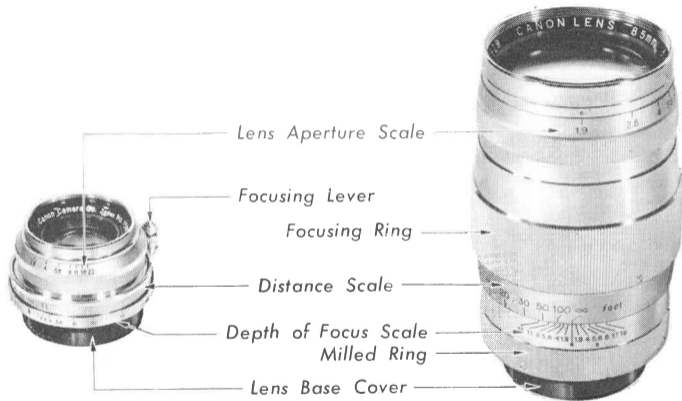


DESCRIPTIONS

*Parallax-Compensating
Scale*



*Special Viewfinder
for Models prior to Vt*



How to take care of your lens

1. Lenses should not be changed in direct sunlight. Turn your back to the sun and hold the camera in the shadow of your body.
2. Keep always the lens mounting flange of your camera free from dust or dirt. After dismounting, your lens should be covered with dust cap instantly to protect the helicoid which is the most important part of the lens.
3. Never touch the lens surface with your finger. In case it becomes necessary to remove dust from the surface use a fine soft brush or reliable lens cleaning tissue. If further cleaning is necessary for removing finger mark, etc. wrap lens cleaning tissue or lint-free cotton cloth on tip of a stick and moist it with alcohol (mixed with ether when possible) and wipe the surface in gentle circular motion from center to perimeter. Never wipe with excessive pressure or you might scratch the surface.
4. Do not store your lens in hot and/or humid places. The best way to store your lens is to keep it in an air-tight container or desiccator with moisture absorbent such as silica gel.
5. Never subject the lens to a sudden, extreme change in temperature or lens cracks may result.
6. Do not attempt to screw-in or unscrew the lens by grasping any other part (especially focusing knurled ring) but the base.

A series of pictures taken from the same spot using various CANON LENSES

25mm f:3.5



28mm f:3.5



35mm f:2.8



50mm f:2.8



50mm f:1.5



28mm f:2.8



35mm f:1.8



50mm f:1.8



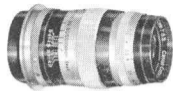
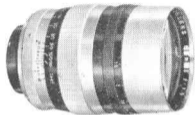
50mm f:1.2



85mm f: 1.9



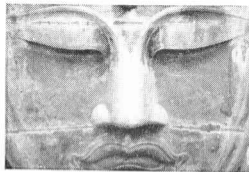
85mm f: 1.5



100mm f: 3.5



135mm f: 3.5



VIEWFINDER vs PARALLAX ADJUSTMENT

As the built-in viewfinder of the camera has no device for parallax adjustment, a separate viewfinder is recommended for all lenses except those with normal focal length (50mm and 35mm for Canon Camera Model V_T and 50mm for all the other Canon Cameras). A variety of viewfinders are available for Canon Lenses. Among them are:

- (1) For use with Canon Camera Model V_T: ZOOMFINDERS "S" and "L", REAL-IMAGE VIEWFINDERS, LUMI-FIELD VIEWFINDERS. When used on Canon Camera Model V_T, these finders are mechanically coupled to the built-in rangefinder of the camera and parallax is automatically compensated as the lens is focused.
- (2) For use with Canon Camera Model IVS2, IIS and all other models except Model V_T: TWIN-TURRET ZOOMFINDER II, UNIVERSAL FRAMEFINDER, SPECIAL VIEWFINDERS. When these viewfinders are used, you have to manually adjust the PARALLAX-COMPENSATING SCALE because they are not mechanically coupled to the built-in rangefinder of the camera. If, for instance, the reading of the Distance Scale of the lens is 10 feet after accurate focusing, set the Parallax-Compensating Scale of the Viewfinder to 10. The field you then see through the Finder will be identical with what the lens will register on film frame.

Note: Even those viewfinders which are not designed for Model V_T Canon can be used on the Model V_T camera provided that parallax compensation is made manually.

ULTRA-WIDE-ANGLE CANON LENS

25 mm



f: 3.5

LENS ELEMENTS :	5
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, NON-REVOLVING
MINIMUM APERTURE :	f : 22
DISTANCE SCALES :	3.5~50 ft, or 1~20 m, ∞
ANGLE OF VIEW :	82°
MAGNIFICATION :	0.5×
COATING :	PURPLE
NET WEIGHT :	142 grams or 5 oz.

A radically new lens giving the unrivalled, full, sharp angle-of-view of 82°. An extremely useful lens for indoor photography or landscape shots. Incorporates new Spectra-coated (TM) rare glass elements permitting the fastest speed ever possible in this focal length, without sacrifice of definition or crisp edge-to-edge quality, even at full opening.

**WIDE-ANGLE
CANON LENS**

28 mm

f : 3.5



LENS ELEMENTS:	6
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, NON-REVOLVING
MINIMUM APERTURE :	f : 22
DISTANCE SCALES :	3.5 ~ 50 ft, or 1 ~ 20 m, ∞
ANGLE OF VIEW :	75°
MAGNIFICATION :	0.56 ×
COATING :	PURPLE
NET WEIGHT :	145 grams or 5.1 oz.

A unique lens of exceptionally wide angle of view and speed. Completely accurate and uniform in light transmission.

**WIDE-ANGLE
CANON LENS**

28 mm

f: 2.8



LENS ELEMENTS :	6
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, NON-REVOLVING
MINIMUM APERTURE :	f: 22
DISTANCE SCALES :	3.5~50 ft, or 1~20 m, ∞
ANGLE OF VIEW :	75°
MAGNIFICATION :	0.56×
COATING :	MAGENTA
NET WEIGHT :	159 grams or 5.6 oz.

Embodies new rare glass elements, making possible the fastest aperture design in this wide angle field. No barrel distortion or curvature at all lens openings, covers 75° field. Superb aberration-free and coma-free design.

**NORMAL WIDE-ANGLE
CANON LENS**

35 mm

f : 2.8



LENS ELEMENTS :	6
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, NON-REVOLVING
MINIMUM APERTURE :	f : 22
DISTANCE SCALES :	3.5 ~ 50 ft, or 1 ~ 20 m, ∞
ANGLE OF VIEW :	64°
MAGNIFICATION :	0.7 ×
COATING :	PURPLE
NET WEIGHT :	165 grams or 5.8 oz.

Designed on CANON's own formula. Excellent for color and black-and-white negatives.

NORMAL WIDE-ANGLE

CANON LENS

35 mm

f:1.8



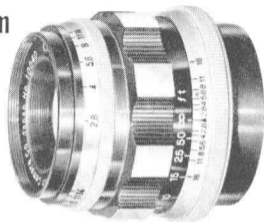
LENS ELEMENTS :	7
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, NON-REVOLVING
MINIMUM APERTURE :	f: 22
DISTANCE SCALES :	3.5~50 ft, or 1~20 m, ∞
ANGLE OF VIEW :	64°
MAGNIFICATION :	0.7×
COATING :	AMBER
NET WEIGHT :	125 grams or 4.4 oz.

World's fastest wide-angle lens (64°), superbly corrected for color, definition and curvature-free results wide open. This lens also features Canon's new Spectra-coating, which gives added brilliance and at the same time improved color quality.

**STANDARD
CANON LENS**

50 mm

f : 2.8



LENS ELEMENTS :	4
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, REVOLVING
MINIMUM APERTURE :	f : 16
DISTANCE SCALES :	3.5 ~ 50 ft, or 1 ~ 20 m, ∞
ANGLE OF VIEW :	46°
COATING :	MAGENTA
NET WEIGHT :	128 grams or 4.5 oz.

Ideal all-round lens not only for landscapes, portraiture, etc., but also for copying, enlarging work, etc. An excellent lens for color as well as black-and-white.

STANDARD CANON LENS

LENS ELEMENTS :	6
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, NON-REVOLVING
MINIMUM APERTURE :	f : 16
DISTANCE SCALES :	3.5 ~ 50 ft, or 1 ~ 20 m, ∞
ANGLE OF VIEW :	46°
COATING :	AMBER
NET WEIGHT :	270 grams or 9.5 oz.

50 mm



f : 1.8
(Improved)

A newly improved high speed lens design which reduces spherical aberration to the absolute minimum, eliminating coma and providing an extremely flat image surface. Ideal standard lens for black-and-white and color.

**STANDARD
CANON LENS**

50 mm

f:1.5



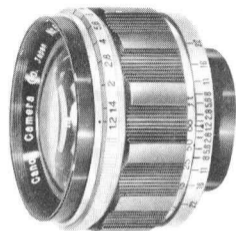
LENS ELEMENTS :	7
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, NON-REVOLVING
MINIMUM APERTURE :	f:1.6
DISTANCE SCALES :	3.5~50 ft, or 1~20 m, ∞
ANGLE OF VIEW :	46°
COATING :	AMBER
NET WEIGHT :	270 grams or 9.5 oz.

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

STANDARD
CANON LENS

LENS ELEMENTS :	7
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, NON-REVOLVING
MINIMUM APERTURE :	f: 16
DISTANCE SCALES :	3.5~50 ft, or 1~20 m, ∞
ANGLE OF VIEW :	46°
COATING :	AMBER
NET WEIGHT :	322 grams or 11.4 oz.

50 mm



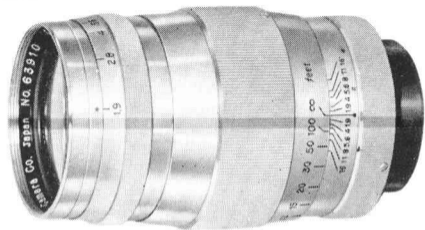
f:1.2

The first lens faster than f:1.5, which produces a camera image of superb definition and resolution wide open. This lens even surpasses the resolving power of the already accepted leader, Canon's previous 50mm f:1.8. Incorporates new rare-glass elements, permitting its aberration-free performance at all stops. Another Canon revolutionary advance in "Available light" photography.

**LONG FOCUS
CANON LENS**

85 mm

f:1.9



LENS ELEMENTS :	6
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, REVOLVING
MINIMUM APERTURE :	f: 1.6
DISTANCE SCALES :	3.5~100 ft, or 1~30 m, ∞
ANGLE OF VIEW :	29°
MAGNIFICATION :	1.7×
COATING :	MAGENTA
NET WEIGHT :	605 grams or 22 oz.

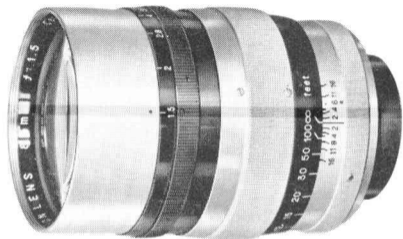
Probably the finest lens in its class. Ideal for portraiture, excellent resolution; popular with press photographers.

**LONG-FOCUS
CANON LENS**

85 mm

f: 1.5

LENS ELEMENTS :	7
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, REVOLVING
MINIMUM APERTURE :	f: 16
DISTANCE SCALES :	3.5~100 ft, or 1~30 m, ∞
ANGLE OF VIEW :	29°
MAGNIFICATION :	1.7×
COATING :	AMBER
NET WEIGHT :	730 grams or 25.8 oz.

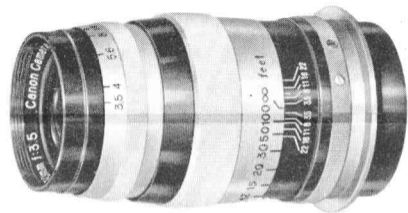


Semi-long-focus lens of CANON's unique design. A light weight lens combining superlative resolution and speed. An excellent lens for stage shows and portraiture.

**TELEPHOTO
CANON LENS**

100 mm

f : 3.5



LENS ELEMENTS :	5
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, REVOLVING
MINIMUM APERTURE :	f : 22
DISTANCE SCALES :	3.5 ~ 100 ft, or 1 ~ 30 m, ∞
ANGLE OF VIEW :	24°
MAGNIFICATION :	2×
COATING :	PURPLE
NET WEIGHT :	184 grams or 6.5 oz.

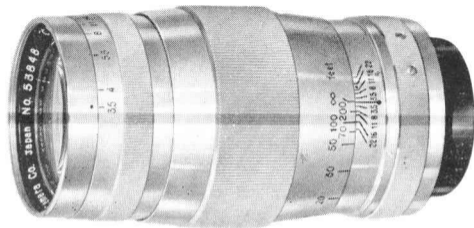
Lightest lens made from modern light-weight alloy.
Recommended for sports, landscapes and press work.
Combines speed and critical sharpness.

**TELEPHOTO
CANON LENS**

135 mm

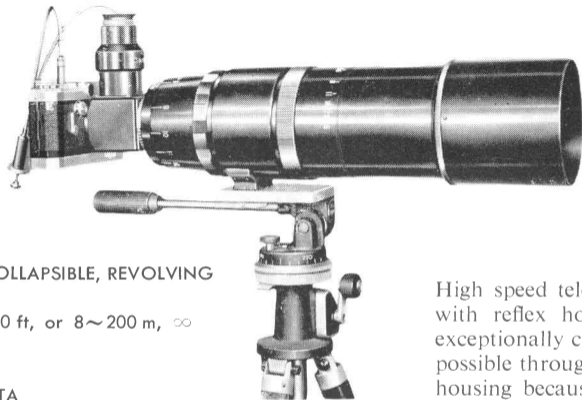
f: 3.5

LENS ELEMENTS :	4
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, REVOLVING
MINIMUM APERTURE :	f: 22
DISTANCE SCALES :	5~200 ft, or 1.5~60 m, ∞
ANGLE OF VIEW :	18°
MAGNIFICATION :	2.7×
COATING :	MAGENTA
NET WEIGHT :	565 grams or 19.9 oz.



Aberration corrections are nearly perfect.
Recommended for all classes of long distance and aerial photography.

TELEPHOTO
400mm f:4.5
CANON LENS



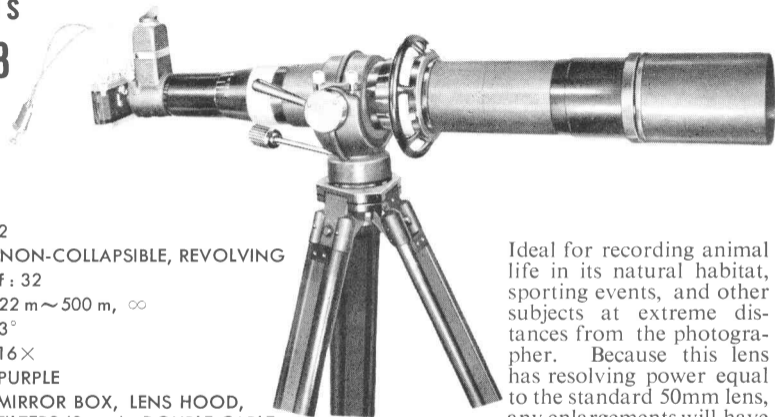
LENS ELEMENTS :	5
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, REVOLVING
MINIMUM APERTURE :	f : 22
DISTANCE SCALES :	26 ~ 1000 ft, or 8 ~ 200 m, ∞
ANGLE OF VIEW :	6°
MAGNIFICATION :	8×
COATING :	MAGENTA
ACCESSORIES :	LENS HOOD, MIRROR BOX, FILTERS (5 pcs.) DOUBLE CABLE RELEASE, WOODEN CARRYING BOX, LEATHER CASE AVAILABLE UPON REQUEST

High speed telephoto lens with reflex housing. An exceptionally clear view is possible through the reflex housing because the filter is positioned behind the reflex mirror and does not interfere with light transmission.

EXTRA LONG-FOCUS

800mm f:8

CONON LENS

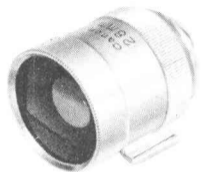


LENS ELEMENTS :	2
LENS MOUNT & HEAD :	NON-COLLAPSIBLE, REVOLVING
MINIMUM APERTURE :	f : 32
DISTANCE SCALES :	22 m ~ 500 m, ∞
ANGLE OF VIEW :	3°
MAGNIFICATION :	16×
COATING :	PURPLE
ACCESSORIES:	MIRROR BOX, LENS HOOD, FILTERS (2 pcs.), DOUBLE CABLE RELEASE, TRIPOD, WOODEN CARRYING CASE

Ideal for recording animal life in its natural habitat, sporting events, and other subjects at extreme distances from the photographer. Because this lens has resolving power equal to the standard 50mm lens, any enlargements will have

the life-like qualities of ordinary close-up. It is especially recommended with infra-red film for distant landscapes where precise detail is required.

DEPTH OF FIELD IN FEET



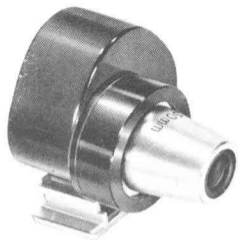
SPECIAL
VIEWFINDER

Distance focused on ft	Circle of Confusion=0.035															
	f : 2.8		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	ft-in	ft-in
∞	27- 4 ⁵ / ₈	∞	22- 1	∞	19- 4 ¹ / ₂	∞	13-10 ¹ / ₂	∞	9- 9 ¹ / ₄	∞	7- 2	∞	4-11 ³ / ₄	∞	3- 6	∞
50	17- 9 ¹ / ₂	∞	15- 4	∞	13-11 ³ / ₄	∞	10-10 ¹ / ₄	∞	8- 1 ³ / ₄	∞	6- 2 ³ / ₄	∞	4- 5 ³ / ₄	∞	3- 4 ¹ / ₄	∞
25	13- 17 ⁷ / ₈	∞	11- 9 ¹ / ₄	∞	10-11 ¹ / ₂	∞	8-11 ¹ / ₂	∞	7- 1 ¹ / ₂	∞	5- 6 ⁷ / ₈	∞	4- 1 ¹ / ₂	∞	3- 2	∞
15	9- 9 ¹ / ₈	32- 7	8-11 ⁷ / ₈	46- 1	8- 6 ¹ / ₈	65-	7- 3 ¹ / ₈	∞	5-11 ¹ / ₂	∞	4-10 ³ / ₈	∞	3- 8 ⁷ / ₈	∞	2-11 ¹ / ₄	∞
10	7- 4 ⁵ / ₈	15- 6 ¹ / ₄	6-11 ¹ / ₄	18- 1 ¹ / ₂	6- 7 ³ / ₄	20- 4 ¹ / ₂	5-10 ³ / ₈	35-	4-11 ⁷ / ₈	∞	4- 2 ¹ / ₂	∞	3- 4 ¹ / ₈	∞	2- 8 ³ / ₈	∞
8	6- 2 ³ / ₄	11- 2 ⁵ / ₈	5-11 ¹ / ₈	12- 4 ¹ / ₂	5- 8 ¹ / ₂	13- 5 ¹ / ₈	5- 1 ⁵ / ₈	18- 5 ³ / ₄	4- 5 ³ / ₈	43-	3- 9 ⁷ / ₈	∞	3- 1 ¹ / ₄	∞	2- 6 ¹ / ₄	∞
6	4-11 ⁵ / ₈	7- 7 ¹ / ₈	4- 9 ¹ / ₈	8- 1 ¹ / ₂	4- 7 ¹ / ₂	8- 6 ³ / ₄	4- 2 ⁷ / ₈	10- 4	3- 9 ¹ / ₄	15- 3 ¹ / ₄	3- 3 ⁷ / ₈	35- 6	2- 9 ¹ / ₄	∞	2- 3 ³ / ₄	∞
5	4- 3 ¹ / ₈	6- 5 ¹ / ₈	4- 1 ³ / ₈	6- 4 ¹ / ₂	4- 1 ¹ / ₄	6- 7 ³ / ₄	3- 8 ³ / ₄	7- 7 ⁷ / ₈	3- 4 ³ / ₈	9-11 ¹ / ₈	3-	15-10 ¹ / ₂	2- 6 ¹ / ₂	∞	2- 1 ⁷ / ₈	∞
4	3- 6 ¹ / ₄	4- 7 ⁵ / ₈	3- 5 ¹ / ₈	4- 9 ⁷ / ₈	3- 4 ¹ / ₄	4-11 ⁵ / ₈	3- 1 ⁷ / ₈	5- 6	2-10 ³ / ₄	6- 6 ⁷ / ₈	2- 7 ¹ / ₂	8- 8 ¹ / ₄	2- 3 ¹ / ₄	19- 3 ¹ / ₄	1-11 ⁵ / ₈	∞
3.5	3- 1 ⁵ / ₈	3-11 ⁵ / ₈	3- 5 ¹ / ₈	4- 1 ¹ / ₄	3-	4- 2 ¹ / ₂	2-10 ¹ / ₈	4- 7	2- 7 ¹ / ₂	5- 3 ¹ / ₂	2- 4 ⁷ / ₈	6- 6 ³ / ₄	2- 1 ³ / ₈	11- 3 ¹ / ₄	1-10 ¹ / ₈	66-3 ³ / ₈

28 mm

CANON LENSES 25 mm

DEPTH OF FIELD IN METERS



REAL-IMAGE
VIEWFINDER

Distance focused on m	Circle of Confusion=0.035															
	f : 2.8		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	m	m
∞	8.402	∞	6.700	∞	5.800	∞	4.200	∞	2.900	∞	2.100	∞	1.500	∞	1.100	∞
20	5.913	∞	5.050	∞	4.550	∞	3.500	∞	2.600	∞	1.950	∞	1.400	∞	1.050	∞
10	4.570	∞	4.040	∞	3.720	∞	2.980	∞	2.290	∞	1.790	∞	1.310	∞	0.990	∞
7	3.826	42.417	3.450	∞	3.220	∞	2.650	∞	2.090	∞	1.660	∞	1.240	∞	0.950	∞
5	3.143	12.333	2.890	19.150	2.720	32.260	2.310	∞	1.880	∞	1.520	∞	1.160	∞	0.910	∞
4	2.719	7.610	2.530	9.720	2.400	12.230	2.070	71.520	1.720	∞	1.420	∞	1.100	∞	0.870	∞
3	2.219	4.645	2.090	5.340	2.005	6.010	1.770	10.090	1.510	∞	1.275	∞	1.015	∞	0.820	∞
2.5	1.935	3.541	1.840	3.925	1.770	4.275	1.590	5.980	1.375	15.065	1.180	∞	0.955	∞	0.780	∞
2	1.627	2.599	1.555	2.810	1.510	2.980	1.375	3.715	1.215	5.900	1.060	22.870	0.875	∞	0.725	∞
1.75	1.459	2.188	1.400	2.335	1.365	2.450	1.255	2.920	1.120	4.115	0.990	8.465	0.825	∞	0.695	∞
1.5	1.283	1.808	1.239	1.905	1.209	1.981	1.123	2.275	1.015	2.931	0.906	4.599	0.770	110.000	0.654	∞
1.25	1.097	1.454	1.065	1.515	1.044	1.562	0.979	1.737	0.897	2.090	0.812	2.806	0.702	6.638	0.605	∞
1	0.901	1.124	0.880	1.159	0.866	1.186	0.822	1.282	0.764	1.461	0.702	1.771	0.620	2.755	0.545	8.512

28 mm

f : 3.5 and f : 2.8

DEPTH OF FIELD IN FEET

Distance focused on (ft)	Depth of Field Table.																		
	f : 1.8		f : 2		f : 2.8		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	ft-in	ft-in	ft-in
∞	65-10 ¹ / ₄	∞	59- 3 ¹ / ₂	∞	43-	∞	29- 9	∞	21- 3 ³ / ₄	∞	15-	∞	10-11 ¹ / ₂	∞	7- 7 ¹ / ₄	∞	5- 7 ¹ / ₈	∞	
50	28- 5 ³ / ₄	∞	27- 2 ¹ / ₈	∞	23-	∞	18- 8 ¹ / ₄	∞	14- 1 ¹ / ₄	∞	11- 6 ¹ / ₄	∞	8-11 ¹ / ₂	∞	6- 6 ⁵ / ₈	∞	4-11 ⁵ / ₈	∞	
25	18- 2 ¹ / ₈	40- 1 ⁵ / ₈	17- 7 ³ / ₄	42-117 ⁸ / ₈	15- 9 ¹ / ₂	60-	13- 7 ³ / ₄	155-	10- 4 ¹ / ₂	∞	9- 47 ⁸ / ₈	∞	7- 7 ⁵ / ₈	∞	5- 97 ⁸ / ₈	∞	4- 6 ¹ / ₂	∞	
15	12- 3 ¹ / ₈	19- 4	11-117 ⁸ / ₈	19-115 ⁸ / ₈	11- 2	23- 1 ⁴ / ₄	10- 3 ⁸ / ₈	29-11	8-10 ³ / ₈	49-10	7- 6 ⁵ / ₈	∞	6- 4 ⁵ / ₈	∞	5- 7 ⁸ / ₈	∞	4- 1	∞	
10	8- 8 ⁵ / ₈	12- 37 ⁸ / ₈	8- 7 ¹ / ₈	11-114 ⁸ / ₈	8- 1 ⁵ / ₈	12-113 ⁴ / ₄	7- 6 ¹ / ₂	14-10 ⁵ / ₈	6-10 ¹ / ₂	18- 6 ³ / ₈	6- 3 ⁴ / ₄	29- 4	5- 3 ¹ / ₂	110-	4- 4 ¹ / ₂	∞	3- 7 ¹ / ₂	∞	
8	7- 2	9- 3 ⁴ / ₄	7- 1	9- 2 ³ / ₈	6- 9 ¹ / ₄	9- 9 ³ / ₈	6- 4 ¹ / ₄	10- 9 ³ / ₄	5-10 ¹ / ₂	12- 7 ¹ / ₈	5- 3 ³ / ₈	16- 9 ¹ / ₄	4- 8 ¹ / ₄	28- 7 ¹ / ₂	3-11 ¹ / ₂	∞	3- 4	∞	
6	5- 6 ¹ / ₄	6- 67 ⁸ / ₈	5- 5 ⁶ / ₈	6- 7 ⁵ / ₈	5- 3 ¹ / ₂	6-11 ¹ / ₈	5- 1 ² / ₂	7- 5 ¹ / ₄	4- 87 ⁸ / ₈	8- 2 ⁵ / ₈	4- 4 ¹ / ₈	9- 9 ¹ / ₄	3-11 ³ / ₈	12-10	3- 5	27- 1 ² / ₂	2-11 ¹ / ₂	∞	
5	4- 8	5- 4 ⁵ / ₈	4- 7 ⁵ / ₈	5- 5 ¹ / ₈	4- 6 ¹ / ₈	5- 7 ¹ / ₂	4- 37 ⁸ / ₈	5-11 ¹ / ₄	4- 1 ¹ / ₄	6- 5 ¹ / ₈	3- 9 ³ / ₄	7- 4	3- 6	8-10 ³ / ₄	3- 1	13-10 ³ / ₄	2- 8 ¹ / ₂	43- 9	
4	3- 9 ¹ / ₂	4- 27 ⁸ / ₈	3- 9 ¹ / ₄	4- 3 ¹ / ₄	3- 8 ¹ / ₈	4- 4 ⁵ / ₈	3- 6 ³ / ₄	4- 6 ³ / ₄	3- 5	4-10 ¹ / ₈	3- 17 ⁸ / ₈	5- 37 ⁸ / ₈	2-117 ⁸ / ₈	6- 1 ¹ / ₈	2- 8 ¹ / ₄	8- 1 ² / ₂	2- 4 ¹ / ₂	13- 1 ⁵ / ₈	
3.5	3- 4 ¹ / ₈	3- 8 ¹ / ₈	3- 37 ⁸ / ₈	3- 8 ³ / ₈	3- 3 ¹ / ₈	3- 9 ³ / ₈	3- 2	3- 11	3- 5 ⁸ / ₈	4- 1 ¹ / ₂	2-10 ⁵ / ₈	4- 5 ¹ / ₂	2- 8 ¹ / ₂	4-11 ³ / ₄	2- 5 ¹ / ₂	6- 2 ¹ / ₈	2- 2 ³ / ₄	8- 9	

ft

35 mm

35 mm

CANON LENSES 35 mm

DEPTH OF FIELD IN METERS



FILTER
SCREW-IN TYPE

m

Distance focused on m	Circle of Confusion=0.035																	
	f : 1.8		f : 2		f : 2.8		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	m	m
∞	20.071	∞	18.071	∞	12.900	∞	9.000	∞	6.400	∞	4.500	∞	3.300	∞	2.300	∞	1.600	∞
20	10.034	∞	9.508	∞	7.850	∞	6.250	∞	4.900	∞	3.700	∞	2.850	∞	2.050	∞	1.550	∞
10	6.693	19.831	6.456	22.268	5.660	43.780	4.770	∞	3.950	∞	3.140	∞	2.510	∞	1.880	∞	1.440	∞
7	5.207	10.696	5.063	11.363	4.560	15.140	3.970	30.300	3.390	∞	2.780	∞	2.270	∞	1.740	∞	1.370	∞
5	4.017	6.626	3.931	6.875	3.620	8.090	3.240	11.010	2.850	21.320	2.400	∞	2.020	∞	1.590	∞	1.270	∞
4	3.348	4.971	3.289	5.109	3.070	5.750	2.800	7.070	2.500	10.230	2.150	31.290	1.840	∞	1.480	∞	1.200	∞
3	2.620	3.510	2.584	3.577	2.450	3.875	2.270	4.421	2.070	5.480	1.830	8.525	1.600	28.300	1.325	∞	1.100	∞
2.5	2.232	2.842	2.206	2.885	2.110	3.075	1.975	3.410	1.825	3.995	1.635	5.390	1.450	9.600	1.220	∞	1.025	∞
2	1.827	2.210	1.809	2.237	1.745	2.345	1.655	2.535	1.545	2.845	1.410	3.475	1.270	4.820	1.095	13.815	0.935	∞
1.75	1.617	1.908	1.603	1.927	1.550	2.010	1.480	2.145	1.395	2.355	1.285	2.770	1.170	3.555	1.015	6.795	0.810	∞
1.5	1.402	1.613	1.392	1.627	1.354	1.683	1.299	1.777	1.234	1.919	1.147	2.182	1.055	2.635	0.931	4.050	0.817	11.594
1.25	1.182	1.326	1.175	1.336	1.148	1.373	1.109	1.433	1.062	1.523	0.998	1.681	0.928	1.934	0.832	2.587	0.741	4.380
1	0.957	1.047	0.952	1.053	0.935	1.075	0.910	1.111	0.878	1.163	0.835	1.251	0.787	1.382	0.718	1.678	0.651	2.265

35 mm

f:2.8 and f:1.8

DEPTH OF FIELD IN FEET

Distance focused on (ft)	Depth of Field Table.																							
	f : 1.2		f : 1.4		f : 1.5		f : 1.8		f : 2		f : 2.8		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	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in	ft-in
∞	209-	∞	179-	∞	167-	∞	139-	∞	125-	∞	89-	∞	63-	∞	44- 9	∞	31- 4	∞	22-11	∞	15- 9	∞	11- 4	∞
50	40- 4	65- 9	39- 1	69- 5	38- 7	71-	36-10	78-	35-10	83-	32- 2	113-	27-11	245-	23- 9	∞	19- 5	∞	15- 9	∞	12- 1	∞	9- 3	∞
25	22- 4	28- 5	21-11	29- 1	21-10	29- 4	21- 3	30- 4	20-11	31- 1	19- 7	34- 6	18-	41- 3	16- 2	56-	14-	119-	12- 1	∞	9- 9	∞	7-10	∞
15	14- 0	16- 2	13-10	16- 4	13-10	16- 5	13- 7	16- 7	13- 5	16-11	12-11	17-11	12- 2	19- 7	11- 4	22- 3	10- 3	28- 2	9- 2	42- 1	7- 9 1/2	247-	6- 6	∞
10	9- 6 1/2	10- 6	9- 5 3/4	10- 7	9- 5 1/2	10- 7	9- 4 3/8	10- 9	9- 3 1/2	10-10	9- 1/2	11- 2	8- 8	11-10	8- 3	12-10	7- 8	14- 5	7- 1	17- 4	6- 3	26-	5- 4 1/4	74-11 1/4
8	7- 8 2/5	8- 3 1/5	7- 8	8- 4 1/2	7- 7 7/8	8- 1 1/2	7- 7	8- 5 1/2	7- 6 1/2	8- 6 1/8	7- 4 1/2	8- 8 7/8	7- 13/4	9- 1	6-10 1/4	9- 7 1/8	6- 5 1/2	10- 7	6- 1 1/4	12-	5- 5	15- 7	4- 8 7/8	25- 9 7/8
6	5-10	6- 2 1/8	5- 9 3/4	6- 2 1/2	5- 9 3/4	6- 2 1/2	5- 9 1/4	6- 3	5- 9	6- 3 1/4	5- 7 1/8	6- 4 3/4	5- 6 1/8	6- 7	5- 4 1/8	6-10 1/8	5- 1 1/4	7- 3 1/2	4-10	7-11 1/4	4- 5 9/8	9- 4	3-11 1/2	12- 4 1/8
5	4-10 1/2	5- 1 1/2	4-10 3/8	5- 1 5/8	4-10 2/8	5- 1 3/8	4-10 1/8	5- 2	4- 9 7/8	5- 2 1/4	4- 9 1/8	5- 3 1/4	4- 8	5- 4 3/4	4- 6 1/2	5- 6 3/4	4- 4 1/2	5-10 1/8	4- 2 1/2	6- 3	3-10 5/8	7- 7/8	3- 6	8- 8 1/2
4	3-11 1/8	4- 1	3-11	4- 1	3-11	4- 1	3-10 7/8	4- 1 1/4	3-10 3/4	4- 1 3/8	3-10 1/8	4- 2	3- 9 1/2	4- 2 7/8	3- 8 1/2	4- 4 1/8	3- 7 1/8	4- 6 1/8	3- 5 5/8	4- 8 7/8	3- 3 1/4	5- 2 1/8	2-11 7/8	6-10 1/2
3.5	3- 5 3/8	3- 6 3/8	3- 5 1/4	3- 6 3/4	3- 5 1/4	3- 6 3/4	3- 5 1/8	3- 6 7/8	3- 5	3- 7	3- 4 5/8	3- 7 1/2	3- 4	3- 8 7/8	3- 3 3/8	3- 9	3- 2 3/8	3-10 1/2	3- 1 1/8	4- 4 1/2	2-11 1/4	4- 4 1/8	2- 8 1/2	4-11 1/2

ft

50 mm

CANON LENSES 50 mm

DEPTH OF FIELD IN METERS

Distance focused on m	Circle of Confusion=0.035																					
	f : 1.2		f : 1.4		f : 1.5		f : 1.8		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	m	m	m	m
∞	63.400	∞	54.300	∞	50.700	∞	42.300	∞	38.000	∞	27.200	∞	19.000	∞	13.600	∞	9.500	∞	6.900	∞	4.800	∞
20	15.200	29.200	14.600	31.600	14.400	32.900	13.600	37.750	13.150	41.900	11.550	74.600	9.800	∞	8.150	∞	6.500	∞	5.200	∞	3.900	∞
10	8.640	11.870	9.450	12.240	8.380	12.410	8.180	13.040	7.950	13.500	7.340	15.700	6.590	20.800	5.810	36.720	4.930	∞	4.140	∞	3.280	∞
7	6.310	7.860	6.210	8.030	6.170	8.090	6.020	8.360	5.930	8.540	5.590	9.370	5.150	1.960	4.660	14.170	4.080	25.370	3.530	∞	2.890	∞
5	4.640	5.420	4.580	5.500	4.560	5.530	4.490	5.650	4.440	5.730	4.240	6.090	3.990	6.720	3.690	7.790	3.320	10.260	2.950	17.020	2.490	∞
4	3.770	4.270	3.730	4.310	3.720	4.330	3.670	4.400	3.630	4.450	3.500	4.600	3.330	5.020	3.120	5.590	2.850	6.740	2.580	9.100	2.220	21.980
3	2.870	3.150	2.850	3.170	2.840	3.180	2.810	3.215	2.790	3.245	2.715	3.350	2.610	3.532	2.460	3.800	2.310	4.295	2.136	5.130	1.885	7.605
2.5	2.410	2.600	2.390	2.620	2.390	2.620	2.370	2.645	2.355	2.665	2.300	2.735	2.225	2.855	2.135	3.025	2.005	3.325	1.870	3.800	1.680	4.959
2	1.940	2.063	1.930	2.070	1.930	2.075	1.915	2.090	1.905	2.100	2.875	2.145	1.825	2.215	1.760	2.315	1.675	2.485	1.580	2.735	1.445	3.295
1.75	1.704	1.798	1.697	1.805	1.695	1.805	1.685	1.820	1.680	1.825	1.655	1.860	1.615	1.910	1.565	1.985	1.500	2.105	1.425	2.280	1.315	2.650
1.5	1.466	1.535	1.461	1.541	1.461	1.541	1.454	1.550	1.449	1.555	1.429	1.579	1.401	1.615	1.365	1.666	1.314	1.750	1.257	1.867	1.171	2.103
1.25	1.226	1.274	1.225	1.278	1.224	1.278	1.218	1.283	1.215	1.287	1.202	1.303	1.182	1.327	1.157	1.361	1.121	1.414	1.080	1.488	1.017	1.631
1	0.985	1.015	0.987	1.017	0.984	1.017	0.980	1.021	0.978	1.023	0.970	1.032	0.957	1.047	0.941	1.067	0.918	1.099	0.891	1.141	0.850	1.220

m

50 mm

f : 2.8, f : 1.8 and f : 1.2

DEPTH OF FIELD IN FEET

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 : 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	ft-in	ft-in
∞	441-	∞	349-	∞	330-	∞	236-	∞	166-	∞	118-	∞	83-	∞	60- 6	∞	41- 9 ¹ / ₄	∞
100	88-	129-	77-10	141-	76-11	143-	70- 5	173-	62- 6	252-	54- 4	640-	45- 5 ¹ / ₂	∞	37- 9 ¹ / ₄	∞	29- 5 ³ / ₄	∞
50	44-11 ³ / ₄	56- 3	43- 9 ³ / ₄	58- 3	43- 6 ¹ / ₄	58- 9	41- 4 ¹ / ₂	63- 3	39- 5 ¹ / ₂	71- 4	35- 3 ¹ / ₂	86-	31- 4 ¹ / ₄	125-	27- 6 ¹ / ₄	284-	22-10 ¹ / ₂	∞
30	28- 1 ⁵ / ₈	32- 1 ¹ / ₂	27- 8 ¹ / ₄	32- 9	27- 6 ³ / ₄	32-11	26- 8 ¹ / ₄	34- 3	25- 6	36- 5 ³ / ₄	24- 1 ¹ / ₂	39-11	22- 2	46- 6 ¹ / ₂	20- 2 ¹ / ₂	58- 9	17- 7 ¹ / ₄	104-
20	19- 2	20-11	18-11 ¹ / ₂	21- 2	18-10 ³ / ₄	21- 2 ³ / ₄	18- 5 ⁷ / ₈	21- 9 ¹ / ₄	17-11	22- 7 ³ / ₄	17- 2 ³ / ₈	23-11	16- 2 ³ / ₄	26- 1 ¹ / ₄	15- 2	29- 6	13- 8	37- 7 ³ / ₄
15	14- 6 ³ / ₈	15- 6	14- 4 ⁷ / ₈	15- 3 ³ / ₄	14- 4 ⁵ / ₈	15- 8 ¹ / ₈	14- 1 ³ / ₄	15-11 ¹ / ₈	13- 9 ³ / ₄	16- 5	13- 4 ⁵ / ₈	17- 3 ¹ / ₄	12- 9 ³ / ₈	18- 1 ⁵ / ₈	12- 1 ⁵ / ₈	19- 8 ¹ / ₄	11- 2	22-11 ¹ / ₂
12	11- 8 ³ / ₈	12- 3 ³ / ₄	11- 4 ⁷ / ₈	12- 4 ³ / ₄	11- 7 ¹ / ₄	12- 5 ¹ / ₈	11- 5 ¹ / ₂	12- 7 ¹ / ₈	11- 2 ¹ / ₄	12-10 ¹ / ₂	10-11 ¹ / ₂	13- 3 ¹ / ₈	10- 6 ⁷ / ₈	13-10 ⁵ / ₈	10- 1 ¹ / ₂	14- 9 ¹ / ₈	9- 5 ³ / ₈	16- 6
10	9- 9 ¹ / ₂	10- 2 ⁵ / ₈	9- 8 ⁷ / ₈	10- 3 ¹ / ₄	9- 8 ³ / ₄	10- 3 ¹ / ₂	9- 7 ¹ / ₂	10- 4 ⁷ / ₈	9- 5 ⁵ / ₈	10- 7 ¹ / ₈	9- 4	10-10 ¹ / ₄	9-	11- 3 ¹ / ₈	8- 8 ¹ / ₈	11- 9 ⁷ / ₈	8- 2 ¹ / ₈	12-10 ¹ / ₄
8	7-10 ¹ / ₂	8- 1 ⁵ / ₈	7-10	8- 2	7-10	8- 2 ¹ / ₈	7- 9 ¹ / ₈	8- 3	7- 8	8- 4 ³ / ₈	7- 6 ¹ / ₂	8- 6 ¹ / ₄	7- 4 ¹ / ₄	8- 9 ¹ / ₄	7- 1 ³ / ₄	9- 1 ¹ / ₄	6- 9 ³ / ₄	9- 8 ¹ / ₂
7	6-10 ⁷ / ₈	7- 1 ¹ / ₄	6-10 ¹ / ₂	7- 1 ¹ / ₂	6-10 ¹ / ₂	7- 1 ⁵ / ₈	6- 9 ⁷ / ₈	7- 2 ¹ / ₄	6- 9	7- 3 ¹ / ₄	6- 7 ³ / ₄	7- 4 ³ / ₄	6- 6 ¹ / ₈	7- 6 ⁷ / ₈	6- 4 ¹ / ₈	7- 9 ³ / ₄	6- 1	8- 3
6	5-11 ¹ / ₈	6- 7 ¹ / ₈	5-10 ⁷ / ₈	6- 1 ¹ / ₈	5-11	6- 1 ¹ / ₈	5-10 ¹ / ₂	6- 1 ⁵ / ₈	5- 9 ³ / ₄	6- 2 ³ / ₈	5- 9	6- 3 ³ / ₈	5- 7 ³ / ₄	6- 4 ⁷ / ₈	5- 6 ¹ / ₄	6- 6 ⁷ / ₈	5- 4	6-10 ¹ / ₂
5	4-11 ³ / ₈	5- 5 ¹ / ₈	4-11 ¹ / ₄	5- 3 ¹ / ₄	4-11 ¹ / ₄	5- 3 ¹ / ₄	4-11	5- 1 ¹ / ₈	4-10 ¹ / ₂	5- 1 ⁵ / ₈	4-10	5- 2 ¹ / ₄	4- 9 ¹ / ₈	5- 3 ¹ / ₄	4- 8 ¹ / ₈	5- 4 ¹ / ₂	4- 6 ¹ / ₂	5- 6 ⁷ / ₈
4	3-11 ⁵ / ₈	4- 3 ¹ / ₈	3-11 ¹ / ₂	4- 1 ¹ / ₂	3-11 ¹ / ₂	4- 1 ¹ / ₂	3-11 ³ / ₈	4- 5 ¹ / ₈	3-11 ¹ / ₈	4- 1	3-10 ³ / ₄	4- 1 ³ / ₈	3-10 ¹ / ₄	4- 2	3- 9 ⁵ / ₈	4- 2 ³ / ₄	3- 8 ¹ / ₂	4- 4 ¹ / ₈
3.5	3- 5 ³ / ₄	3- 6 ¹ / ₄	3- 5 ⁵ / ₈	3- 6 ³ / ₈	3- 5 ⁵ / ₈	3- 6 ³ / ₈	3- 5 ¹ / ₂	3- 6 ¹ / ₂	3- 5 ³ / ₈	3- 6 ³ / ₄	3- 5	3- 7	3- 4 ⁵ / ₈	3- 7 ³ / ₈	3- 4 ¹ / ₄	3- 8	3- 3 ³ / ₈	3- 9

ft

85 mm



CANON LENSES 85 mm

DEPTH OF FIELD IN METERS

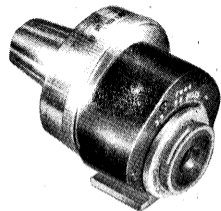
Distance focused on	Circle of Confusion=0.035																	
	f : 1.5		f : 1.9		f : 2		f : 2.8		f : 4		f : 5.6		f : 8		f : 11		f : 16	
	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
∞	134.000	∞	106.000	∞	100.000	∞	72.000	∞	50.400	∞	36.000	∞	25.200	∞	18.300	∞	12.600	∞
30	24.600	38.500	23.400	41.700	23.200	42.600	21.300	51.200	18.900	73.500	16.400	175.000	13.800	∞	11.500	∞	8.900	∞
15	13.500	16.850	13.150	17.450	13.100	17.600	12.450	18.900	11.600	21.250	10.650	25.500	9.450	36.450	8.300	78.850	6.900	8
10	9.320	10.790	9.160	11.020	9.120	11.080	8.800	11.880	8.380	12.410	7.870	13.740	7.210	16.380	6.530	21.550	5.640	45.620
7	6.660	7.370	6.580	7.480	6.560	7.510	6.400	7.730	6.170	8.090	5.890	8.630	5.520	9.590	5.110	11.140	4.560	15.270
5	4.830	5.180	4.780	5.240	4.770	5.250	4.690	5.360	4.570	5.530	4.410	5.770	4.200	6.180	3.970	6.780	3.630	8.090
4	3.890	4.120	3.860	4.150	3.860	4.160	3.800	4.220	3.720	4.330	3.620	4.470	3.480	4.710	3.320	5.050	3.080	5.730
3	2.940	3.065	2.925	3.080	2.920	3.085	2.890	3.120	2.845	3.175	2.785	3.250	2.700	3.375	2.605	3.540	2.460	3.860
2.5	2.460	2.545	2.445	2.555	2.445	2.560	2.425	2.580	2.390	2.602	2.350	2.670	2.295	2.750	2.225	2.860	2.120	3.060
2	1.975	2.025	1.965	2.035	1.965	2.035	1.950	2.050	1.930	2.075	1.905	2.105	1.870	2.155	1.825	2.215	1.755	2.335
1.75	1.730	1.770	1.725	1.775	1.725	1.775	1.715	1.790	1.700	1.805	1.680	1.830	1.650	1.865	1.615	1.910	1.560	1.995
1.5	1.486	1.515	1.482	1.518	1.481	1.519	1.474	1.527	1.463	1.539	1.448	1.556	1.427	1.581	1.402	1.614	1.361	1.671
1.25	1.240	1.260	1.238	1.262	1.237	1.263	1.232	1.268	1.225	1.276	1.215	1.287	1.201	1.304	1.183	1.325	1.156	1.363
1	0.994	1.006	0.993	1.007	0.992	1.008	0.989	1.011	0.985	1.016	0.979	1.022	0.970	1.032	0.959	1.045	0.942	1.067

85 mm

UNIVERSAL
FRAMEFINDER



DEPTH OF FIELD IN FEET



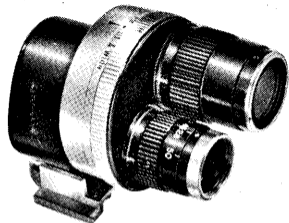
UNIVERSAL
VIEWFINDER

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-	∞	423-	∞	302-	∞	212-	∞	154-	∞	106-	∞	76- 9	∞
200	141-	340-	136-	378-	121-	581-	103-	3521-	87- 4	∞	69- 7	∞	56-	∞
100	83- 1	125-	81- 1	131-	75- 5	149-	68- 3	188-	61-	281-	51-10	1629-	43-11 ¹ / ₂	∞
70	61- 4	81- 7	60- 3	83- 7	27- 1	90- 8	52-10	104-	48- 5	127-	42- 6	202-	37- 1	692- 5 ¹ / ₄
50	45- 5 ¹ / ₄	55- 7 ¹ / ₄	44-10	56- 6	43- 1	59- 8	40- 8	65-	38-	73- 3	34- 3 ¹ / ₂	93-	30- 8 ¹ / ₂	137- 7 ¹ / ₄
30	28- 4	31-10 ³ / ₄	28- 1 ¹ / ₄	32- 2 ¹ / ₂	27- 4 ³ / ₄	33- 1 ³ / ₄	26- 5 ¹ / ₄	34- 8 ¹ / ₂	25- 3 ³ / ₄	36-10 ³ / ₄	23- 7 ¹ / ₂	41- 2 ¹ / ₂	21-11	47-11 ¹ / ₄
20	19- 3 ¹ / ₈	20- 9 ⁵ / ₈	19- 17 ⁸ / ₈	20-11 ¹ / ₄	18-10 ¹ / ₈	21- 3 ³ / ₄	18- 4 ⁵ / ₈	21-11 ¹ / ₄	17-10 ¹ / ₈	22- 9 ¹ / ₄	17- 1 ¹ / ₄	24- 3 ¹ / ₂	16- 1 ⁵ / ₈	26- 5 ¹ / ₈
15	14- 7 ¹ / ₈	15- 5 ¹ / ₄	14- 6 ³ / ₈	15- 6	14- 4 ¹ / ₄	15- 8 ¹ / ₂	14- 1 ¹ / ₈	16- 3 ¹ / ₈	13- 9 ³ / ₈	16- 5 ¹ / ₂	13- 3 ¹ / ₂	17- 2 ³ / ₄	12- 9 ¹ / ₈	18- 2 ³ / ₈
12	11- 8 ⁷ / ₈	12- 3 ¹ / ₄	11- 8 ¹ / ₂	12- 3 ³ / ₄	11- 7 ¹ / ₈	12- 5 ¹ / ₄	11- 5 ¹ / ₈	12- 7 ⁵ / ₈	11- 2 ³ / ₄	12-10 ³ / ₄	10-10 ⁷ / ₈	13- 4 ¹ / ₈	10- 6 ³ / ₄	13-11 ¹ / ₈
10	9- 9 ⁷ / ₈	10- 2 ¹ / ₈	9- 9 ⁵ / ₈	10- 2 ¹ / ₂	9- 8 ⁵ / ₈	10- 3 ¹ / ₂	9- 7 ³ / ₈	10- 5 ¹ / ₈	9- 5 ⁵ / ₈	10- 7 ¹ / ₈	9- 3	10-10 ⁵ / ₈	9-	11- 3 ¹ / ₈
8	7-10 ³ / ₄	8- 1 ³ / ₈	7-10 ¹ / ₂	8- 1 ¹ / ₂	7-10	8- 2 ¹ / ₈	7- 9 ¹ / ₈	8- 3 ¹ / ₈	7- 8 ¹ / ₈	8- 1 ³ / ₈	7- 6 ³ / ₈	8- 6 ³ / ₈	7- 4 ¹ / ₂	8- 9
7	6-11	7- 1	6-10 ⁷ / ₈	7- 1 ¹ / ₈	6-10 ¹ / ₂	7- 1 ¹ / ₈	6- 9 ⁷ / ₈	7- 2 ³ / ₈	6- 9	3- 3 ¹ / ₈	6- 7 ³ / ₄	7- 4 ³ / ₄	6- 6 ³ / ₈	7- 6 ⁵ / ₈
6	5-11 ³ / ₈	6- 5 ⁵ / ₈	5-11 ¹ / ₄	6- 7 ⁸ / ₈	5-10 ⁷ / ₈	6- 1 ¹ / ₈	5-10 ¹ / ₂	6- 1 ⁵ / ₈	5- 9 ⁷ / ₈	6- 2 ¹ / ₄	5- 9	6- 3 ¹ / ₄	5- 8	6- 4 ⁵ / ₈
5	4-11 ¹ / ₂	5- 1 ¹ / ₂	4-11 ¹ / ₂	5- 1 ¹ / ₂	4-11 ¹ / ₄	5- 3 ¹ / ₄	4-11	5- 1	4-10 ⁵ / ₈	5- 1 ¹ / ₂	4-10	5- 2 ¹ / ₈	4- 9 ³ / ₈	5- 2 ⁷ / ₈

100 mm

CANON LENS 100 mm

DEPTH OF FIELD IN METERS



TWIN-TURRET
ZOOMFINDER II

m

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	∞	51.000	∞	35.700	∞	26.000	∞	17.900	∞	13.000	∞
50	31.100	128.000	29.500	164.000	25.400	2084.000	20.900	∞	17.200	∞	13.300	∞	10.400	∞
20	16.100	26.350	15.700	27.650	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	22.030	5.740	40.410
7	6.470	7.630	6.400	7.730	6.190	8.060	5.900	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	3.830	4.190	3.800	4.220	3.730	4.310	3.630	4.460	3.500	4.670	3.320	5.050	3.120	5.610
3	2.900	3.105	2.890	3.120	2.850	3.170	2.790	3.245	2.720	3.350	2.610	3.535	2.485	3.795
2.5	2.435	2.570	2.425	2.580	2.395	2.610	2.355	2.665	2.305	2.730	2.225	2.855	2.140	3.015
2	1.960	2.045	1.955	2.050	1.935	2.070	1.910	2.100	1.880	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	1.855	1.620	1.905	1.575	1.970
1.5	1.478	1.552	1.475	1.526	1.466	1.536	1.451	1.552	1.434	1.573	1.406	1.608	1.374	1.654
1.25	1.236	1.265	1.234	1.267	1.227	1.274	1.218	1.284	1.206	1.298	1.187	1.320	1.166	1.349
1	0.992	1.007	0.990	1.010	0.987	1.014	0.981	1.020	0.974	1.028	0.963	1.041	0.949	1.057

100 mm

f:3.5



DEPTH OF FIELD IN FEET



LENS HOOD
WITH
CLAMP ON TYPE
ADAPTER RING

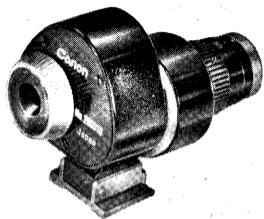
ft

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-	∞	235-	∞	168-	∞	118-	∞	85-10	∞	59- 3	∞	43- 3	∞
100	73-	167-	70- 4	173-	62-10	246-	54- 3	656-	46- 4	∞	37- 3 1/2	∞	30- 2 3/4	∞
50	42- 3 1/8	61- 3	41- 4 1/4	63- 3	28- 8 1/4	70- 9	35- 3 1/4	86- 2	31- 9 1/4	118-	27- 3 1/2	316-	23- 3	∞
30	27- 1/2	33- 7 3/4	26- 8 1/4	34- 3	25- 6 3/4	36- 3 3/4	24- 3/4	39-11	22- 4 3/4	45- 7 1/2	20- 1	59-10	17-10 3/4	95-11
20	18- 8 1/8	21- 6 1/2	18- 6	21- 9 1/4	17-11 1/2	22- 7	17- 2 1/2	23-10 3/4	16- 4 1/4	25- 9 1/2	15- 1 3/8	29- 8 1/2	13-10 1/4	36- 4 3/4
15	14- 3	15-10	14- 17/8	15-11 1/2	13-10 1/8	16- 4 1/2	13- 4 3/4	17- 5/8	12-10 5/8	17-11 5/8	12- 1 3/8	19- 9 1/8	11- 3 5/8	22- 5 1/2
12	11- 6 3/8	12- 6 1/8	11- 5 1/2	12- 7 1/2	11- 3 1/8	12-10 1/4	10-11 5/8	13- 3	10- 7 1/2	13- 9 1/2	10- 1 1/4	14- 9 5/8	9- 6 1/2	16- 2 7/8
10	9- 8 1/8	10- 4 1/8	9- 7 1/2	10- 4 7/8	9- 5 7/8	10- 6 7/8	9- 3 3/8	10-10 1/8	9- 1/2	11- 2 1/4	8- 8	11-10	8- 3 1/8	12- 8 5/8
8	7- 9 1/2	8- 2 5/8	7- 9 1/4	8- 3	7- 8 1/8	8- 4 1/4	7- 8 5/8	8- 6 1/8	7- 4 3/4	8- 8 5/8	7- 1 3/4	9- 1 1/4	6-10 1/2	9- 7 1/4
7	6-10 1/8	7- 2	6- 9 7/8	7- 2 1/4	6- 9 1/8	7- 3 1/8	6- 7 7/8	7- 4 5/8	6- 6 1/2	7- 6 1/2	6- 4 1/8	7- 9 3/4	6- 1 3/8	8- 2
6	5-10 5/8	6- 1 3/8	5-10 1/2	6- 1 5/8	5- 9 7/8	6- 2 1/4	5- 9	6- 3 1/4	5- 8	6- 4 1/2	5- 6 3/8	6- 6 7/8	5- 4 1/8	6- 9 3/4
5	4-11 1/8	5- 7/8	4-11	5- 1	4-10 5/8	5- 1 1/2	4-10	5- 2 1/8	4- 9 1/4	5- 3	4- 8 1/8	5- 4 1/2	4- 6 7/8	5- 6 3/8
4	3-11 1/2	4- 1/2	3-11 3/8	4- 5/8	3-11 1/8	4- 7/8	3-10 3/4	4- 1 1/2	3-10 3/8	4- 1 3/4	3- 9 5/8	4- 2 5/8	3- 8 7/8	4- 3 3/4
3.5	3- 5 5/8	3- 6 3/8	3- 5 1/2	3- 6 1/2	3- 5 3/8	3- 6 5/8	3- 5 1/8	3- 6 7/8	3- 4 3/4	3- 7 1/4	3- 4 1/4	3- 7 7/8	3- 3 5/8	3- 6 5/8

135 mm

CANON LENS 135 mm

DEPTH OF FIELD IN METERS



ZOOMFINDER "L"
FOR
TELEPHOTO LENS

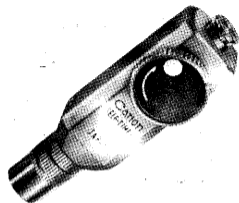
Distance focused on m	Circle of Confusion=0.035													
	f : 3.5		f : 4		f : 5.6		f : 8		f : 11		f : 16		f : 22	
	m	m	m	m	m	m	m	m	m	m	m	m	m	m
∞	147.000	∞	128.000	∞	91.900	∞	64.300	∞	46.800	∞	32.200	∞	23.400	∞
60	42.700	100.000	41.000	111.000	36.400	171.000	31.200	832.000	26.400	∞	21.100	∞	17.000	∞
30	25.000	37.600	24.400	39.000	22.700	44.300	20.600	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	15.350	28.750	14.100	34.450	12.450	51.400	10.900	126.000
15	13.650	16.650	13.500	16.900	12.950	17.850	12.250	12.400	11.450	21.800	10.350	27.500	9.250	40.150
10	9.390	10.700	9.310	10.800	9.060	11.160	8.710	11.750	8.310	12.580	7.720	14.260	7.110	16.980
7	6.700	7.330	6.660	7.380	6.530	7.540	6.350	7.800	6.140	8.150	5.820	8.800	5.480	9.750
5	4.850	5.160	4.830	5.180	4.760	5.260	4.670	5.380	4.560	5.540	4.380	5.830	4.190	6.220
4	3.910	4.100	3.890	4.110	3.850	4.160	3.790	4.230	3.720	4.330	3.600	4.500	3.470	4.720
3	2.950	3.055	2.940	3.060	2.920	3.085	2.885	3.125	2.845	3.175	2.780	3.260	2.705	3.370
2.5	2.465	2.535	2.460	2.540	2.445	2.555	2.425	2.585	2.395	2.615	2.350	2.670	2.300	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	1.735	1.765	1.730	1.770	1.775	1.725	1.715	1.785	1.700	1.800	1.680	1.825	1.660	1.855
1.5	1.489	1.511	1.488	1.513	1.483	1.518	1.476	1.525	1.467	1.535	1.452	1.551	1.435	1.572

135 mm

f: 3.5



DEPTH OF FIELD IN FEET



SELF TIMER

Distance focused on ft	Circle of Confusion=0.035											
	f : 4.5		f : 4		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
1000	770	1430	730	1590	650-	2140-	580-	3720-	485-	∞	407-	∞
500	440	590	422	610	395-	680-	367-	790-	327-	1060-	290-	1850-
300	276	329	270	337	259-	356-	247-	383-	228-	439-	209-	531-
200	189	213	186	216	181-	223-	175-	234-	165-	253-	155-	281-
150	144	157	142	159	139-	163-	136-	168-	130-	178-	124-	191-
100	97	103	97	104	95-	105-	93-	108-	91-	111-	88-	116-
80	78- 3	82	71- 9	82	77-11	83-	75-10	85-	74-	87-	72-	90- 1
75	73- 6	76- 8	73- 1	77	72- 3	77-11	71- 4	79- 2	69- 9	81-	67-11	83- 9
60	59- 2	61- 2	58- 9	61- 3	58-	62-10	58-	63-	57-	64-	55-	65-
50	49- 4	50- 8	49- 2	50-11	48-10	51- 3	48- 4	51- 9	47- 8	52- 7	46-10	53- 8
45	44- 6	45- 7	44- 4	45- 8	44-	46-	43- 8	46- 5	43- 1	47- 1	42- 5	47-11
42	41- 7	42- 6	41- 5	42- 8	41- 2	42-10	40-10	43- 3	40- 4	43- 9	39- 9 ⁵ / ₈	44- 6
40	39- 6 ⁷ / ₈	40- 5	39- 5 ⁵ / ₈	40- 7	39- 2 ⁷ / ₈	40- 9	38- 8 ¹ / ₂	41- 1	38- 6 ¹ / ₄	41- 7	37-11 ⁷ / ₈	42- 3
38	37- 7 ¹ / ₂	38- 4 ⁵ / ₈	37- 6 ¹ / ₂	38- 5 ³ / ₄	37- 4 ¹ / ₈	38- 8 ¹ / ₂	37- 7 ⁷ / ₈	38-11 ³ / ₄	36- 8 ¹ / ₈	39- 5 ¹ / ₄	36- 2 ¹ / ₄	39-11 ⁷ / ₈
35	34- 8 ¹ / ₈	35- 4	34- 7 ³ / ₈	35- 4 ³ / ₄	34- 5	35- 7 ¹ / ₄	34- 2 ⁵ / ₈	35-10	33-10 ⁵ / ₈	36- 2 ¹ / ₄	33- 5 ¹ / ₂	36- 8 ¹ / ₄
33	32- 8 ¹ / ₂	33- 3 ⁵ / ₈	32-11 ⁵ / ₈	33- 4 ¹ / ₂	32- 5 ³ / ₄	33- 6 ³ / ₈	32- 3 ⁷ / ₈	33- 8 ³ / ₄	32- 1 ¹ / ₄	34- 3 ¹ / ₄	31- 7 ⁷ / ₈	34- 5 ³ / ₄
30	29- 9 ¹ / ₈	30- 3	29- 8 ⁵ / ₈	30- 3 ³ / ₈	29- 7 ¹ / ₈	30- 4 ⁷ / ₈	29- 5 ¹ / ₈	30- 7	29- 2 ³ / ₈	28- 8 ⁷ / ₈	28-10 ³ / ₄	31- 2 ³ / ₄
28	27- 9 ¹ / ₂	28- 2 ⁵ / ₈	27- 9 ¹ / ₈	28- 3	27- 7 ⁷ / ₈	28- 4 ¹ / ₂	27- 6 ³ / ₈	28- 6 ¹ / ₈	27- 3 ⁵ / ₈	27- 5 ⁷ / ₈	27- 3 ¹ / ₈	29- 3 ¹ / ₈
25	24-10 ¹ / ₈	25- 1 ⁷ / ₈	24- 9 ⁵ / ₈	25- 2 ³ / ₈	24- 8 ⁷ / ₈	25- 3 ⁵ / ₈	24- 7 ³ / ₈	25- 4 ⁵ / ₈	24- 5 ¹ / ₄	25- 7 ¹ / ₈	24- 3	25- 9 ¹ / ₂

ft

400 mm

CANON LENS 400 mm

DEPTH OF FIELD IN METERS



LENS OPENING
COVER



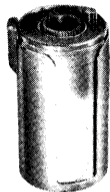
LENS DUST CAP

Distance focused on m	Circle of Confusion=0.035											
	f : 4.5		f : 5.6		f : 8		f : 11		f : 16		f : 22	
	m	m	m	m	m	m	m	m	m	m	m	m
200	167.00	249.00	161.00	264.00	148.00	307.00	135.00	384.00	118.00	660.00	102.00	4829.00
100	91.00	111.00	89.00	114.00	85.00	121.00	81.00	131.00	74.30	153.00	68.00	191.00
75	69.90	81.00	68.80	82.00	66.40	86.00	63.70	91.00	59.60	101.00	55.40	116.00
50	47.70	52.50	47.20	53.20	46.10	54.70	44.80	56.70	42.70	60.30	40.50	65.40
35	33.90	36.20	33.60	36.50	33.10	37.20	32.40	38.10	31.30	39.70	30.10	41.80
25	24.40	25.60	24.30	25.80	24.00	26.10	23.70	26.50	23.10	27.30	22.40	28.20
20	19.60	20.40	19.60	20.50	19.40	20.70	19.10	21.00	18.80	21.40	18.30	22.00
18	17.70	18.30	17.60	18.40	17.50	18.60	17.30	18.80	17.00	19.10	16.70	19.60
16	15.80	16.20	15.70	16.30	15.60	16.40	15.50	16.60	15.20	16.90	14.94	17.20
15	14.80	15.20	14.75	15.30	14.65	15.40	14.50	15.50	14.31	15.80	14.07	16.10
14	13.83	14.18	13.78	14.22	13.69	14.32	13.58	14.45	13.40	14.66	13.19	14.92
13	12.85	13.15	12.81	13.19	12.74	13.27	12.64	13.38	12.48	13.56	12.30	13.73
12	11.87	12.13	11.84	12.16	11.78	12.23	11.70	12.32	11.56	12.47	11.41	12.55
11	10.89	11.11	10.87	11.13	10.81	11.19	10.75	11.27	10.64	11.39	10.51	11.55
10	9.91	10.09	9.89	10.11	9.85	10.16	9.79	10.22	9.70	10.32	9.59	10.44
9	8.93	9.07	8.91	9.09	8.88	9.12	8.83	9.17	8.76	9.25	8.67	9.35
8	7.95	8.05	7.93	8.07	7.91	8.10	7.87	8.13	7.81	8.20	7.75	8.27

400 mm

f: 4.5

DEPTH OF FIELD IN METERS



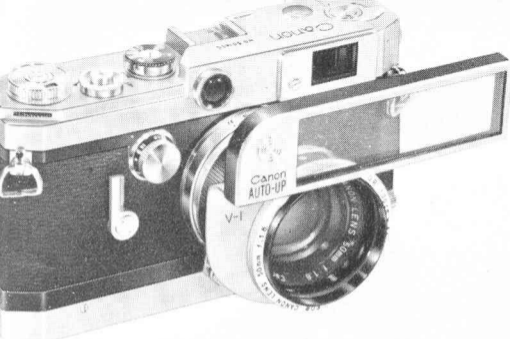
FILM
MAGAZINE

m

Distance focused	∞	500	300	200	150	120	100	80	70	60	50	45	40	35	30	27	25	23	22	
f: 8	m	2320.5	411.9	266.0	184.4	141.7	114.2	96.0	77.4	68.0	58.6	49.00	44.20	39.40	34.55	29.65	26.75	24.75	22.80	21.80
	m	∞	635.9	343.9	218.5	160.1	126.3	104.3	82.7	72.1	61.5	51.05	45.80	40.65	35.50	30.35	27.30	25.25	23.20	22.20
f: 11	m	1642.6	383.9	254.1	178.6	137.7	112.0	94.4	76.4	67.3	58.0	48.60	43.90	39.10	34.35	29.50	26.60	24.65	22.75	21.75
	m	∞	716.7	366.1	227.2	164.7	129.2	106.3	83.9	73.0	62.1	51.45	46.10	40.90	35.70	30.50	27.40	25.35	23.30	22.25
f: 16	m	1161.0	350.2	238.9	171.0	133.2	109.0	92.3	75.0	66.2	57.2	48.05	43.45	38.75	34.05	29.30	26.45	24.55	22.60	21.65
	m	∞	873.5	402.9	240.8	117.7	133.4	109.1	85.7	74.3	63.1	52.10	46.70	41.30	36.00	30.70	27.55	25.50	23.40	22.35
f: 22	m	821.1	311.5	220.3	161.3	127.3	105.1	89.5	73.2	64.7	56.1	47.30	42.80	38.30	33.70	29.05	26.25	24.35	22.45	21.50
	m	∞	1263.9	469.4	262.9	182.6	139.9	113.3	88.2	76.2	64.5	53.00	47.40	41.85	36.35	31.00	27.80	25.70	23.55	22.50
f: 32	m	580.3	269.4	198.5	149.3	119.7	99.9	85.7	70.6	62.8	54.7	46.25	42.00	37.60	33.20	28.70	25.95	24.10	22.25	21.30
	m	∞	3442.5	612.9	302.4	200.7	150.2	120.0	92.2	79.1	66.5	54.40	48.50	42.70	37.05	31.45	28.15	25.95	23.80	22.75

800 mm

CANON LENS 800 mm f: 8



CANON AUTO-UPS

Supplementary close-up lenses. Mounts in front of Canon 50 mm and 35 mm lenses. Permits accurate focusing through camera body rangefinder. Model No. 1 for focusing from 22" (55 cm) to 40" (100 cm). Model No. 2 for focusing from 15" (39 cm) to 20" (52 cm). Both models available for:

50 mm	f : 1.5	Canon lens
50 mm	f : 1.8	(Improved) Canon lens
50 mm	f : 2.8	Canon lens
35 mm	f : 1.8	Canon lens



When ordering, be sure to specify the model of Canon Camera with which the Auto-Up will be used.

CANON CAMERA HOLDER V_T

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.



CANON CAMERA COMPANY, INC., TOKYO, JAPAN