

KODACHROME 40 Movie Film (Type A) / 7268, 7270



- Color reversal film
- Moderate speed
- High resolving power
- Extremely high sharpness
- Improved color condition
- For indoor use with movie lights
- For outdoor use with KODAK WRATTEN Gelatin Filter No. 85 (for KODAK Type A Color Films)
- Extremely fine grain

Manufacturing Code	Size
7268	Super 8 Silent x 50 ft
7270	16 mm x 100 ft

SAFELIGHT

Do not use a safelight. Handle unprocessed film in total darkness.

STORAGE AND HANDLING

Store unexposed film in a cool, dry place. Process promptly after exposure. Store processed film in a cool, dry place. For more information, see KODAK Publication No. E-30, *Storage and Care of KODAK Photographic Materials—Before and After Processing*.

Load 16 mm rolls in subdued light.

USE OF FILTERS

Light Source	KODAK WRATTEN Gelatin Filter	ISO Speed ²	
		Arithmetic	Logarithmic
Movie Light (3400 K)	None	40	17°
Tungsten (3200 K)	Light Balancing No. 82A	32 ¹	16°
Daylight	Light Conversion No. 85	25	15°

¹ Except for automatic exposure Super 8 cameras, which will expose the film at ASA 25.

² Intended for meters and cameras marked in ISO or ASA/DIN equivalent speeds or exposure indexes.

EXPOSURE

Indoors

Lens Opening	650-watt Tungsten-Halogen Movie Light Flood Beam	650-watt Tungsten-Halogen Movie Light Spot Beam	375-watt Tungsten-Halogen Movie Light
f/8	4 to 6 ft	6 to 9 ft	4 to 6 ft
f/5.6	6 to 9 ft	9 to 12 ft	6 to 7 ft
f/4	9 to 12 ft	12 to 17 ft	7 to 9 ft
f/2.8	12 to 17 ft	17 to 24 ft	9 to 13 ft
f/1.9	17 to 24 ft	24 to 35 ft	13 to 19 ft



Caution

For safety and comfort of your subject, read the movie light manufacturer's instructions carefully for minimum distance that can be used. If other lamps or light bars are used, follow manufacturer's instructions.

Daylight

Use with a KODAK WRATTEN Gelatin Filter No. 85, 16 to 18 frames per second camera speed (exposure approximately 1/40 second).

This table is for average frontlighted subjects from 2 hours after sunrise to 2 hours before sunset as described in TI0996.

Lighting Conditions	Lens Opening
Bright / Hazy Sun on Light, Sand or Snow	f/16
Bright or Hazy Sun, Distinct Shadows	f/11 - 16 ¹
Weak, Hazy Sun, Soft Shadows	f/11
Cloudy Bright, No Shadow	f/8
Heavy Overcast, Open Shade	f/5.6
Shades ²	f/5.6

¹ Use halfway between f/11 and f/16; use halfway between f/5.6 and f/8 for backlighted close-up subjects.

² Subject shaded from the sun but lit by large area of clear sky.

PROCESSING

Process K-14; see TI0780 for Mechanical Specifications and TI0836 for Chemical Solution Formulas.

CURVES

(Process K-14)

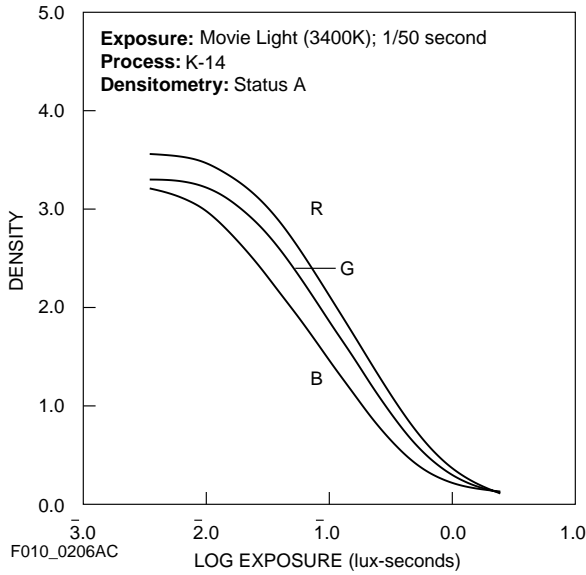
Diffuse rms Granularity:	9	Extremely Fine
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Read at a gross diffuse visual density of 1.0, 48-micrometer aperture; see TI0759.

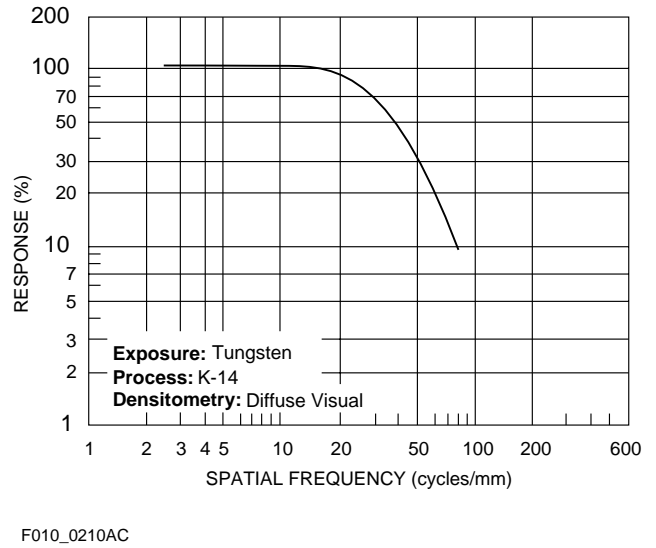
Modulation Transfer Function:

Curves attached; determined using a method similar to that of ANSI Standard. See TI0849 for publication requirements.

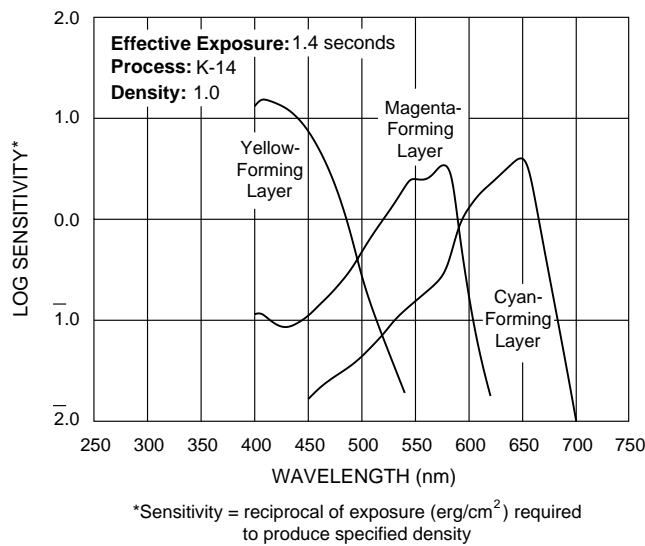
Characteristic Curves 7268



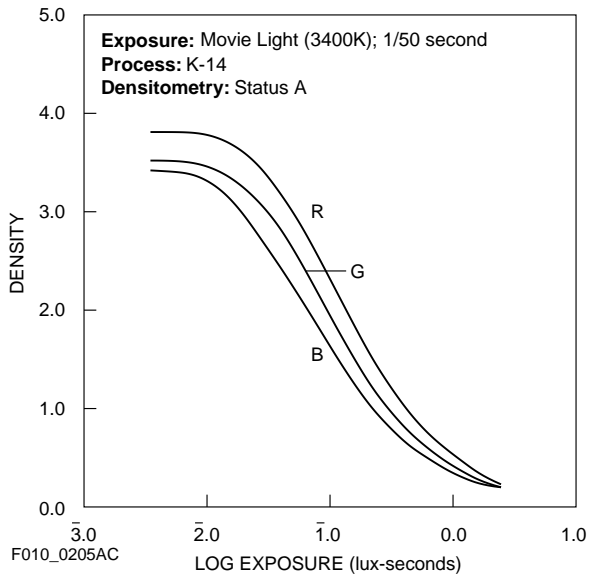
Modulation Transfer 7268



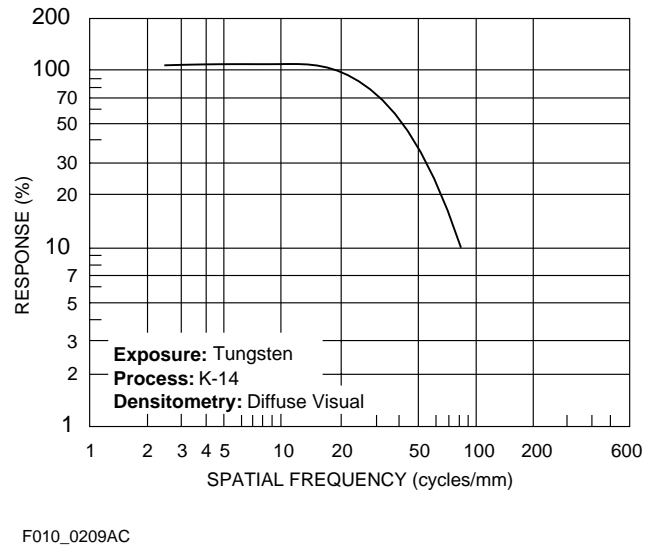
Spectral Sensitivity 7268



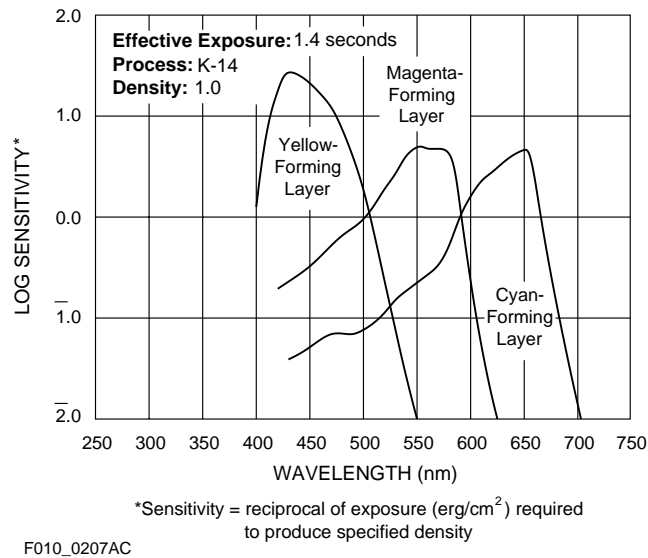
Characteristic Curves 7270



Modulation Transfer 7270



Spectral Sensitivity 7270



NOTICE: The sensitometric curves and data in this publication represent product tested under the conditions of exposure and processing specified. They are representative of production coatings, and therefore do not apply directly to a particular box or roll of photographic material. They do not represent standards or specifications that must be met by Eastman Kodak Company. The company reserves the right to change and improve product characteristics at any time.

STANDARD PRODUCTS AVAILABLE

KODACHROME 40 Movie Film / 7268

Format and Specification No.	Length in Meters (Feet)	Core	Description	Perforation/Pitch Metric (Imperial)
S8 mm KMA464	15 (400)	Super 8 cartridge		Super 8 - 1 Edge

KODACHROME 40 Movie Film / 7270

Format and Specification No.	Length in Meters (Feet)	Core	Description	Perforation/Pitch Metric (Imperial)
16 mm KMA458	366 (1200)	Z	Winding B	1R-7605 (1R-2994)
16 mm KMA449	30 (100)	R-90 100-ft. spool		2R-7605 (2R-2994)

MORE INFORMATION

For assistance, call the Kodak Information Center in the U.S. at 1-800-242-2424 Monday through Friday between 9 a.m. and 7 p.m. (Eastern time); or in Canada at 1-800-465-6325 between 8:30 a.m. and 5 p.m. (Eastern time).

To order the publications below, call 1-800-233-1650 between 8 a.m. and 7 p.m. Eastern Time.

Outside the United States and Canada, please contact your Kodak representative.

You can also visit our web site at www.kodak.com/go/motion for further information. You may want to bookmark our location so you can find us easily the next time.

Films	<i>Cinematographer's Field Guide</i> KODAK Publication No. H-2
Image Structure	<i>KODAK Motion Picture Film</i> KODAK Publication No. H-1
Specification Numbers	<i>Cinematographer's Field Guide</i> KODAK Publication No. H-2
Storage	<i>KODAK Motion Picture Film</i> KODAK Publication No. H-1 <i>The Book of Film Care</i> KODAK Publication No. H-23
LAD	<i>LAD—Laboratory Aim Density</i> KODAK Publication No. H-61
Transfer	<i>KODAK Telecine Analysis Film User's Guide</i> KODAK Publication No. H-822 <i>KODAK Telecine Exposure Calibration Film User's Guide</i> KODAK Publication No. H-807

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