



# Lens Specifications

## Common to all Cooke Anamorphic/ $\frac{8}{11}$ Full Frame Plus, S7/ $\frac{8}{11}$ Full Frame Plus, Anamorphic/ $\frac{8}{11}$ , Panchro/ $\frac{8}{11}$ Classic, <sup>MINI</sup>S4/ $\frac{8}{11}$ , S4/ $\frac{8}{11}$ and 5/ $\frac{8}{11}$ Lenses

**Optical Design** The optics are designed to give maximum performance at full aperture with superior control of flare, distortion and aberration.

**$\frac{8}{11}$  Technology** Accessible via contacts in the lens mount that sync with  $\frac{1}{i}$  compatible cameras. On the 5/ $\frac{8}{11}$ , S4/ $\frac{8}{11}$ , Anamorphic/ $\frac{8}{11}$ , Panchro/ $\frac{8}{11}$  Classic and S7/ $\frac{8}{11}$  lenses, there is also a cable connector near the lens mount.

**Colour Balance** All Cooke series of lenses are colour balanced, color-matched and compatible with each other.

**The Cooke Look<sup>®</sup>** Of course.

**Index Marks** Every index mark is labelled. More detailed markings allow for more detailed focus control.

**Focus Scaling** Large, clear numerals on both sides of the focus barrel benefit the focus puller when shooting under difficult lighting conditions.

**Focus Movement** Our Academy Award<sup>®</sup> winning cam-style focus movement, coupled with the added benefit of a large lens barrel

diameter, has allowed for an increased number of focus markings, particularly at close focus. Spherical aberration has been controlled throughout the range of focal lengths to eliminate the need to compensate for changes in back focus with aperture. A four-point contact bearing provides a smooth positive backlash-free movement.

**Camera Mounts** Cooke Hardened PL Mount with  $\frac{1}{i}$  Technology contact. LPL mounts available for S4/ $\frac{8}{11}$ , 5/ $\frac{8}{11}$ , Anamorphic/ $\frac{8}{11}$ , S7/ $\frac{8}{11}$  and Anamorphic/ $\frac{8}{11}$  Full Frame lenses.

**External Finish** A scratch resistant PTFE hard anodised finish is provided on all Cooke lenses, providing a durable, hard-wearing surface to meet the most demanding environmental conditions.

**Weight/Size Ratio** The lenses are designed for all shooting applications, including handheld and Steadicam, providing comfortable balance ratio with the latest compact cameras.

**Reliability and Service** Cooke lenses are designed to meet a market requirement for fully reliable performance with a minimum of downtime.



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**Lawrence Sher, ASC**  
On creating the style and invoking depth of character for *The Joker*.



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### Downloads available at Cooke Optics

#### URL

<http://www.cookeoptics.com/s/technicaldocumentation.html>

**Depth of Field Tables** for all current lenses and Panchro Series II and III

**Cooke /i Technology** protocol and manuals



[www.shotoncooke.com](http://www.shotoncooke.com)

#ShotOnCooke is a curated motion gallery presenting cinematography shot on each Cooke lens series from all production genres from all over the world. Suggestions to [shotoncooke@cookeoptics.com](mailto:shotoncooke@cookeoptics.com)



Johan-Fredrik Bødtker with camera and AC Jens Patterson

“The metadata really helped me get the shots. I felt more in control and could always watch my T-stop and focus range in the viewfinder without having to stop shooting to remove my eye from the eyepiece. And, the AC doesn’t have to mumble ‘close range’ all the time because he knows I actually know the limits.”

– Johan-Fredrik Bødtker, Cinematographer, *Valkyrien*, TV Series

## What is Technology?

*i* Technology is a metadata protocol that allows film and digital cameras to seamlessly record key lens data for every frame shot via electronics inside each *i* equipped lens: focal length, focus distance, zoom position, near and far focus, hyper focal distance, T-stop, horizontal field of view, entrance pupil position, inertial tracking and shading. The lens data and inertial data (position and orientation data) will help VFX teams to better deal with common issues like occlusions, fast camera motion (motion blur) and other challenges associated with fast-paced camera movements typical of today’s shooting style. All of this is output by *i*<sup>2</sup> enabled lenses. The *i*<sup>3</sup> (“*i* cubed”) enabled lenses include all that *i*<sup>2</sup> offers as well as distortion data. All Cooke spherical lenses delivered beginning of late 2018 are equipped with *i*<sup>3</sup>. Data may be selected to record in either metric or imperial units and is synced to time code within the camera.

## Evolving Industry Standard

*i* Technology, to ensure metadata compatibility downstream from acquisition through post production giving a better looking product in a shorter amount of time. See the growing list of companies who are adopting *i* Technology within their own hardware and software products, from Aaton to Zeiss at <https://cookeoptics.com/i/itech.html>

Companies interested in becoming an *i* Technology partner by incorporating *i* protocol into their product, contact us at [iTech@cookeoptics.com](mailto:iTech@cookeoptics.com).

Technology by



[cookeoptics.com/i/itech.html](https://cookeoptics.com/i/itech.html)  
[cookeoptics.com/i/itechpartners.html](https://cookeoptics.com/i/itechpartners.html)

# Cooke Anamorphic/i<sub>1</sub> Full Frame Plus Standard & SF “Special Flair” Range of Lenses

	Units	32mm	40mm	50mm	75mm	85mm MACRO	100mm	135mm	180mm
<b>T Stop Range</b>		T2.3–22	T2.3–22	T2.3–22	T2.3–22	T2.8–22	T2.3–22	T2.3–22	T2.3–22
<b>Angular Rotation of Iris Scale</b>	Degrees	90	90	90	90	90	90	90	90
<b>Minimum Marked Object Distance</b>	mm inches	900 35	900 35	850 33	1000 39	500 22	1200 46	1500 58	2000 80
<b>Close Focus from Lens Front</b>	mm inches	630 25	630 25	600 24	750 30	181 7	925 36	1166 46	1610 63
<b>Angular Rotation to MOD Endstop</b>	Degrees	270	270	270	270	270	270	270	270
<b>Max. Diagonal Angle of View for 24 x 36mm Format</b>	Degrees	99	89	77	52	45	40	30	22
<b>Length from Front of Lens to Lens Mount</b>	mm inches	206 8.1	212 8.3	204 8.0	206 8.1	272 10.7	228 9.0	271 10.7	314 12.4
<b>Maximum Front Diameter</b>	mm inches	136 5.35	110 4.33	110 4.33	110 4.33	136 5.35	110 4.33	110 4.33	110 4.33
<b>Total Weight</b>	kg lbs	4.2 9.2	4.4 9.7	4.0 8.8	3.5 7.7	5.2 11.4	3.8 8.4	5.0 11.0	6.2 13.6

**Maximum Format Covered** 36mm x 24mm. 46.31mm diameter

**Focus Scales** Two opposing focus scales – metric and footage. Scales marked from infinity to MOD

**Focus Drive Gear** 140 teeth 0.8 metric module x 6.0mm wide x 102mm from the image plane

**Iris Scales** Two opposing linear T scales – whole and third stops marked

**Iris Drive Gear** 134 teeth 0.8 metric module x 4.0mm wide x 82mm from the image plane



Preliminary Specifications. All specifications subject to change  
\* Angle of view calculations based on 36mm x 24mm format



Available in either PL or LPL mounts;  
please specify when ordering.

# Cooke S7/i Full Frame Plus Range of Lenses

	Units	16mm	18mm	21mm	25mm	27mm	32mm	40mm	50mm	60mm MACRO	65mm	75mm	90mm MACRO	100mm	135mm	150mm MACRO	180mm	300mm
<b>T Stop Range</b>		T2–22	T2–22	T2–22	T2–22	T2–22	T2–22	T2–22	T2–22	T2.5–22	T2–22	T2–22	T2.5–22	T2–22	T2–22	T2.5–22	T2–22	T3.3–22
<b>Angular Rotation of Iris Scale</b>	Degrees	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
<b>Minimum Marked Object Distance</b>	mm inches	400 16	400 16	350 14	350 14	350 14	350 14	450 18	500 20	TBC TBC	475 19	475 19	TBC TBC	700 30	950 39	TBC TBC	1300 51	2100 81
<b>Close Focus from Lens Front</b>	mm inches	151 6	158 6	109 4	109 4	109 4	109 4	209 8	259 10	55 2.2	234 9	234 9	114 4.5	459 18	709 37	172 6.8	1050 41	1760 69
<b>Angular Rotation to MOD Endstop</b>	Degrees	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270	270
<b>Maximum Diagonal Angle of View for Super 35 Format</b>	Degrees	85	78	70	61	58	50	41	33	28	27	23	19	17	13	12	9.6	6.1
<b>Maximum Diagonal Angle of View for 24 x 36mm Format</b>	Degrees	107	100	91	82	78	68	57	47	39	37	32	27	24	18	17	13.7	8.6
<b>Length from Front of Lens to Lens Mount</b>	mm inches	197 7.76	200 7.87	189 7.44	189 7.44	189 7.44	189 7.44	189 7.44	189 7.44	160 6.30	189 7.44	189 7.44	172 6.80	189 7.44	189 7.44	233 9.20	198 7.80	256 10.08
<b>Maximum Front Diameter</b>	mm inches	136 5.35	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	87 3.40	110 4.33	110 4.33	87 3.40	110 4.33	110 4.33	87 3.40	110 4.33	110 4.33
<b>Total Weight</b>	kg lbs	4.0 8.8	3.5 7.7	3.3 7.3	3.3 7.3	3.3 7.3	3.4 7.5	3.5 7.7	3.4 7.5	2.2 4.9	3.0 6.6	3.0 6.6	2.5 5.5	3.3 7.3	3.7 8.2	3.0 6.6	3.6 7.9	4.4 9.7

**Maximum Format Cover** 46.31mm diameter

**Focus Scales** Two opposing focus scales – metric and footage. Scales marked from infinity to MOD.

**Focus Drive Gear** 140 teeth 0.8 metric module x 6.0mm wide x 103mm from image plane.

**Iris Scales** Two opposing linear T-scales – whole and third stops marked.

**Iris Drive Gear** 134 teeth 0.8 metric module x 4.0mm wide x 81mm from image plane.

**Mounts** Available in either PL or LPL mounts; please specify when ordering.

**Compatibility** Cooke S7/i Primes have a common fixed front diameter of 110mm (except for the 16mm and 60mm, 90mm and 150mm Macros), with a focus drive gear of 140T x 0.8 mod and an iris drive gear of 134T x 0.8.

Specifications subject to change



# Cooke Anamorphic/ $\frac{1}{1}$ Zoom Range of Lenses

Units		35–140mm 35–140mm SF	45–450mm
<b>T Stop Range</b>		T3.1–22	T4.5–22
<b>Angular Rotation of Iris Scale</b>	Degrees	90	90
<b>Minimum Marked Object Distance</b>	mm inches	1200 47	1830 72
<b>Close Focus from Lens Front</b>	mm inches	720 28	1194 47
<b>Angular Rotation to MOD Endstop</b>	Degrees	300	300
<b>Maximum Angle of View* Horizontal/Vertical</b>	Degrees H V	62.4 / 17.5 26.0 / 7.6	49.1 / 6.0 20.0 / 2.6
<b>Length from Front of Lens to Lens Mount</b>	mm inches	425 16.76	537 21.2
<b>Maximum Front Diameter</b>	mm inches	136 5.35	136 5.35
<b>Total Weight</b>	kg lbs	10.3 22.6	TBC TBC

**Maximum Format Covered** 33.54mm Diameter (New Epic S35mm format)

**Focus Scales** Two opposing focus scales—metric and footage. Scales marked from infinity to MOD

**Focus Drive Gear** 35–140mm: 172 teeth 0.8 metric module x 6.0mm wide x 283mm from image plane.  
45–450mm: 211 teeth 0.8 metric module x 6.0mm wide x 170mm dia. 420mm from the image plane.

**Iris Scales** Two opposing linear T scales – whole and third stops marked

**Iris Drive Gear** 134 teeth 0.8 metric module x 4.0mm wide x 83mm from image plane

**Zoom Drive Gear** 35–140mm: 140 teeth 0.8 metric module x 6.0mm wide x 102mm from image plane.  
45–450mm: 140 teeth 0.8 metric module x 6.0mm wide x 105mm from image plane.



Preliminary specifications for 45–450mm. All specifications subject to change

\* Angle of view calculations based on Alexa Studio 4:3 camera

# Cooke Anamorphic/i<sup>\*</sup> & Anamorphic/i<sup>\*</sup> SF “Special Flair” Range of Lenses

	Units	25mm	32mm	40mm	50mm	65mm MACRO	75mm	100mm	135mm	180mm	300mm
<b>T Stop Range</b>		T2.3–22	T2.3–22	T2.3–22	T2.3–22	T2.6–22	T2.3–22	T2.3–22	T2.3–22	T2.8–22	T3.5–22
<b>Angular Rotation of Iris Scale</b>	Degrees	90	90	90	90	90	90	90	90	90	90
<b>Minimum Marked Object Distance</b>	mm inches	840 33	840 33	840 33	840 33	450 18	1000 39	1100 44	1400 56	2000 78	3000 120
<b>Close Focus from Lens Front</b>	mm inches	550 22	550 22	550 22	550 22	140 5.5	800 31	900 35	1200 47	1650 64	2580 101.5
<b>Angular Rotation to MOD Endstop</b>	Degrees	300	300	300	300	300	300	300	300	300	300
<b>Maximum Angle of View*</b>	Degrees										
<b>Horizontal</b>	H	96.9	77.5	62.8	50.7	36.9	34.1	25.7	19.1	13.9	8.5
<b>Vertical</b>	V	41.0	32.6	26.3	21.2	15.6	14.2	10.7	7.9	5.7	3.5
<b>Length from Front of Lens to Lens Mount</b>	mm inches	203 8.0	195 7.68	195 7.68	195 7.68	258 10.10	195 7.68	195 7.68	195 7.68	296 11.65	378 14.88
<b>Maximum Front Diameter</b>	mm inches	136 5.35	110 4.33	110 4.33	110 4.33	136 5.35	110 4.33	110 4.33	110 4.33	110 4.33	136 5.35
<b>Total Weight</b>	kg lbs	4.2 9.3	3.2 7.1	3.4 7.5	3.6 7.9	5.2 11.5	3.2 7.1	3.4 7.5	4.2 9.3	5.8 12.8	9.3 20.7

**Maximum Format Covered** 33.54mm Diameter (New Epic S35mm format)

**Focus Scales** Two opposing focus scales – metric and footage. Scales marked from infinity to MOD

**Focus Drive Gear** 140 teeth 0.8 metric module x 6.0mm wide x 102mm from the image plane

**Iris Scales** Two opposing linear T scales – whole and third stops marked

**Iris Drive Gear** 134 teeth 0.8 metric module x 4.0mm wide x 82mm from the image plane

**Compatibility** With the exception of the 25, 65 MACRO and 300mm lenses, all Cooke Anamorphic/i prime lenses have a common fixed front diameter of 110mm, with a focus drive gear of 140T x 0.8 mod and an iris drive gear of 114T x 0.8. The 25, 65 MACRO and 300mm Cooke Anamorphic/i primes have a front diameter of 136mm.



Preliminary Specifications

All specifications subject to change

\* Angle of view calculations based on Alexa Studio 4:3 camera

# Cooke Panchro/i<sup>®</sup> Classic Range of Lenses

	Units	18mm	21mm	25mm	27mm	32mm	40mm	50mm	65mm MACRO	75mm	100mm	135mm	152mm
<b>T Stop Range</b>		T2.2 -22	T2.2 -22	T2.2 -22	T2.2 -22	T2.2 -22	T2.2 -22	T2.2 -22	T2.4 -22	T2.2 -22	T2.6 -22	T2.8 -22	T3.0 -22
<b>Angular Rotation of Iris Scale</b>	Degrees	90	90	90	90	90	90	90	90	90	90	90	90
<b>Minimum Marked Object Distance</b>	mm inches	200 8	200 8	200 8	200 8	325 12	450 16	550 20	325 13	800 30	950 36	850 33"	1100 43"
<b>Close Focus from Lens Front</b>	mm inches	111 4.6	80 3.3	106 4.2	106 4.2	181 6.3	280 11.0	380 15.0	114 4.5	593 23.3	743 29.3	657 2'1.5	903 2'10
<b>Angular Rotation to MOD Endstop</b>	Degrees	270	270	270	270	270	270	270	270	270	270	270	270
<b>Max. Diagonal Angle of View for Super 35 Format</b>	Degrees	80	75	60	60	50	41	33	27	22	16	13	11.75
<b>Length from Front of Lens to Lens Mount</b>	mm inches	87 3.4	92 3.6	92 3.6	92 3.6	92 3.6	118 4.6	118 4.6	197 7.7	155 6.1	155 6.1	167 6.6	167 6.6
<b>Maximum Front Diameter</b>	mm inches	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33
<b>Total Weight</b>	kg lbs	1.6 3.5	1.5 3.3	1.5 3.3	1.5 3.3	1.2 2.6	1.4 3.1	1.5 3.3	2.8 6.1	1.8 4.0	1.8 3.9	2.1 4.6	2.1 4.6

**Maximum Format Covered** 31.1mm diameter (Super 35mm format)

Full Frame



**Focus Scales** Two opposing focus scales – metric or footage. Scales marked from infinity to MOD

**Focus Drive Gear** 140 teeth 0.8 metric module x 6.0mm wide x 105mm from image plane

**Iris Scales** Two opposing linear T-scales – whole and third stops marked

**Iris Drive Gear** 134 teeth 0.8 metric module x 4.0mm wide x 83mm from image plane

**Internal Front Fitting Filter** Internal thread for filter adapter M105 x 0.75 pitch

**Compatibility** All Cooke Panchro/i Classic Primes have a common fixed front diameter of 110mm, with a focus drive gear of 140T x 0.8 mod and an iris drive gear of 134T x 0.8.



	Units	18mm	21mm	25mm	32mm	40mm	50mm	65mm	75mm	100mm	135mm
<b>T Stop Range</b>		T2.8 -22	T2.8 -22	T2.8 -22	T2.8 -22	T2.8 -22	T2.8 -22	T2.8 -22	T2.8 -22	T2.8 -22	T2.8 -22
<b>Angular Rotation of Iris Scale</b>	Degrees	77	77	77	77	77	77	77	77	77	96
<b>Minimum Marked Object Distance</b>	mm inches	250 10	250 10	250 10	300 12	440 16	500 20	700 27	750 30	900 36	1000 39
<b>Close Focus from Lens Front</b>	mm inches	80 3	80 3	93 4	139 5	240 9.5	311 12	500 20	564 22	711 28	790 31
<b>Angular Rotation to MOD Endstop</b>	Degrees	300	300	300	300	300	300	300	300	300	300
<b>Maximum Diagonal Angle for S35 Format</b>	Degrees	80	73	62	50	41	34	26	22	17	14.16
<b>Length from Front of Lens to Lens Mount</b>	mm inches	120 4.72	110 4.33	106 4.17	110 4.33	110 4.33	137 5.39	135 5.32	137 5.39	137 5.39	157.8 6.21
<b>Maximum Front Diameter</b>	mm inches	110 4.33	87 3.43	87 3.43	87 3.43	87 3.43	87 3.43	87 3.43	87 3.43	87 3.43	87 3.43
<b>Total Weight</b>	kg lbs	1.3 2.9	1.6 3.4	1.4 3.0	1.6 3.5	1.7 3.7	1.5 3.3	1.6 3.5	1.6 3.5	1.6 3.5	1.8 4.0

**Max Format Covered** 33.54mm Diagonal

**Focus Scales** Two opposing focus scales – metric or footage. Scales marked from infinity to MOD

**Focus Drive Gear** 121 teeth 0.8 metric module x 5.0mm wide x 101mm from the image plane

**Iris Scales** Two opposing linear T scales – whole and third stops marked

**Iris Drive Gear** 119 teeth 0.8 metric module x 2.5mm wide x 85mm from image plane

**Screw-In Filter** M82 x 0.75 (25mm - 135mm)

**Compatibility** All Cooke miniS4/i primes, except 18mm, have a common fixed front diameter of 87mm, with a focus drive gear of 121T x 0.8 mod and an iris drive gear of 119T x 0.8.



	Units	12mm	14mm	16mm	18mm	21mm	25mm	27mm	32mm	35mm	40mm	50mm	65mm	65mmSE	75mm	100mm	135mm	150mm	180mm	300mm	
<b>T Stop Range</b>		T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2-22	T2.8-22
<b>Angular Rotation of Iris Scale</b>	degrees	96	96	96	96	96	96	96	96	95	94	93	92	92	92	91	92	92	94	78	
<b>Minimum Marked Object Distance</b>	mm inches	225 9	225 9	225 9	250 9	250 9	250 9	250 10	325 12	350 14	450 16	550 20	700 27	700 27	800 30	950 36	850 33	1050 42	1300 51	2100 84	
<b>Close Focus from Lens Front</b>	mm inches	47 2.0	46 2.0	46 2.0	60 2.5	60 2.5	60 2.5	85 3.5	119 4.9	169 6.9	207 8.4	323 13	509 20	489 19.2	573 23	707 28	564 20.7	834 32.8	1058 41.7	1846 74	
<b>Angular Rotation to MOD Endstop</b>	degrees	270	300	270	300	270	300	270	300	300	300	300	300	300	300	300	340	320	320	320	
<b>Max. Diagonal Angle of View for Super 35 Format</b>	degrees	103	94	86	80	71	62	58	50	46	41	34	26	26	22	17	13	11.5	9.5	5.7	
<b>Length from Front of Lens to Lens Mount</b>	mm inches	126 5.0	127 5.0	127 5.0	113 4.5	113 4.5	113 4.5	113 4.5	129 5.0	129 5.0	141 5.5	125 4.9	125 4.9	145 5.7	125 4.9	141 5.5	184 7.3	157 6.2	185 7.3	202 7.9	
<b>Maximum Front Diameter</b>	mm	156	110	110	110	110	110	110	110	110	110	110	110	110	110	110	110	125	136	136	
<b>Total Weight</b>	kg lbs	3 6.5	2.2 4.8	2.5 5.4	1.8 3.9	2.0 4.4	1.6 3.5	1.6 3.6	1.9 4.0	1.9 4.2	2.0 4.4	1.5 3.3	1.6 3.6	2.3 5.0	1.8 3.9	2.0 4.4	2.3 5.0	3.5 7.7	4.3 9.5	4.7 10.4	

**Max Format Covered** 30mm diameter (Super 35mm format)

**Focus Scales** Two opposing focus scales – metric or footage. Scales marked from infinity to MOD

**Focus Drive Gear** 140 teeth 0.8 metric module x 6.0mm wide x 98mm from image plane.  
140 teeth 0.8 metric module x 6.0mm wide x 99mm from image plane (300mm)

**Iris Scales** Two opposing linear T-scales – whole and third stops marked

**Iris Drive Gear** 134 teeth 0.8 metric module x 4.0mm wide x 79.5mm from image plane

**Internal Front Fitting Filter** Internal thread for filter adapter M105 x 0.75 pitch (12mm and 14mm not applicable). M120 x 1.0 pitch (150mm). M131 x 1.0 pitch (180mm, 300mm)

**Compatibility** All Cooke S4/i Primes have a common fixed front diameter of 110mm, (except for 12mm, 150mm, 180mm, 300mm) with a focus drive gear of 140T x 0.8 mod and an iris drive gear of 134T x 0.8.



# Cooke 5/i<sup>®</sup> Range of Lenses

	Units	18mm	25mm	32mm	40mm	50mm	65mm	75mm	100mm	135mm
<b>T Stop Range</b>		T1.4–22	T1.4–22	T1.4–22	T1.4–22	T1.4–22	T1.4–22	T1.4–22	T1.4–22	T1.4–22
<b>Angular Rotation of Iris Scale</b>	Degrees	90	90	90	90	90	90	90	90	90
<b>Minimum Marked Object Distance</b>	mm inches	350 14	350 14	350 14	400 16	500 20	600 24	650 27	750 30	800 31
<b>Close Focus from Lens Front</b>	mm inches	127 5	121 5	121 5	171 7	271 11	370 15	421 17	520 21	531 21
<b>Angular Rotation to MOD Endstop</b>	Degrees	270	270	270	270	270	270	270	270	340
<b>Maximum Diagonal Angle of View for Super 35 Format</b>	Degrees	79.3	61.9	50.5	41.0	33.7	26.1	22.6	17.1	12.68
<b>Length from Front of Lens to Lens Mount</b>	mm inches	171 6.73	177 6.97	177 6.97	177 6.97	177 6.97	177 6.97	177 6.97	177 6.97	219 8.6
<b>Maximum Front Diameter</b>	mm inches	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	110 4.33	136 5.35
<b>Total Weight</b>	kg lbs	3.0 6.7	3.0 6.6	2.8 6.1	2.8 6.0	3.2 7.1	3.0 6.8	3.0 6.6	2.9 6.4	5.1 11.2

**Maximum Format Cover** 30mm diameter (Super 35mm Format)

**Focus Scales** Two opposing focus scales – metric and footage. Scales marked from infinity to MOD

**Focus Drive Gear** 140 teeth 0.8 metric module x 5.0mm wide x 102.5mm from the image plane (135mm – 180 teeth 0.8 metric module x 5.0mm wide x 128mm from image plane)

**Iris Scales** Two opposing linear T scales – whole and third stops marked

**Iris Drive Gear** 134 teeth 0.8 metric module x 2.5mm wide x 82mm from image plane (135mm – 173 teeth 0.8 metric module x 2.5mm wide x 112mm from image plane)

**Focus Illumination** The patented, dimmable, illuminated focus ring has two separately toggled light pipes that allow the camera operator or focus puller to read the focus scale in low lighting conditions. Illumination options are controlled on the lens or via an external controller.

**Compatibility** All Cooke 5/i prime lenses have a common fixed front diameter of 110mm, with a focus drive gear of 140T x 0.8 mod and an iris drive gear of 134T x 0.8. (Except the 135mm 5/i lens.)





## About Cooke



Our factory in Leicester, England has generations from the same family working side by side. That experience is un-beaten anywhere. We manufacture a full range of primes and zooms to meet the evolving needs of our industry.

We know our customers, and they know us, as individuals. Our rental partners do their training next to the craftsman who built their lenses. There are no barriers.

We're intolerant when it comes to tolerances. We research continuously to drive innovation. Our lenses are dependable and practical in use on the set; our optics superb. The lenses are straightforward to maintain – which is why so many rental facilities carry our products. Our manufacturing and testers keep going until we get each lens within our very tight specification. We get it right, whatever it takes.

For over a century, cinematographers have chosen Cooke lenses for a smooth roundness and dimensionality to the picture and for the velvety skin tones that flatter. That's The Cooke Look®.



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"To Cooke Optics Limited for their continuing innovation in the design, development and manufacture of advanced camera lenses that have helped define the look of motion pictures over the last century."

*"Academy Award® of Merit  
February 9, 2013"*



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