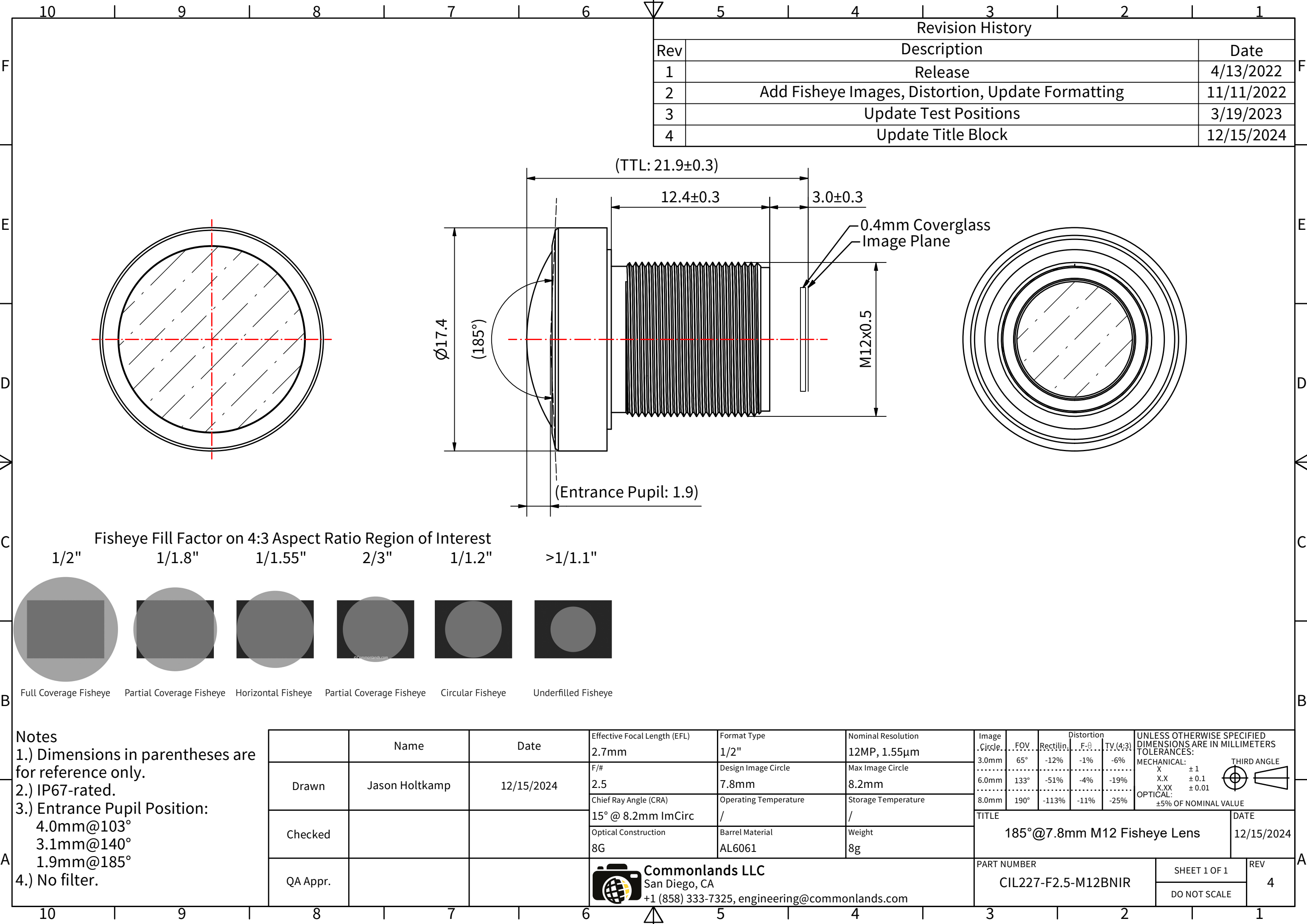
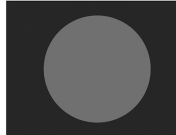
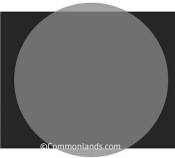
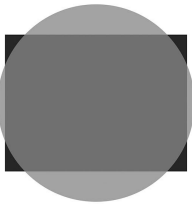
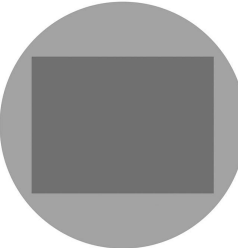




Revision History		
Rev	Description	Date
1	Release	4/13/2022
2	Add Fisheye Images, Distortion, Update Formatting	11/11/2022
3	Update Test Positions	3/19/2023
4	Update Title Block	12/15/2024

Fisheye Fill Factor on 4:3 Aspect Ratio Region of Interest

1/2"	1/1.8"	1/1.55"	2/3"	1/1.2"	>1/1.1"
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Full Coverage Fisheye Partial Coverage Fisheye Horizontal Fisheye Partial Coverage Fisheye Circular Fisheye Underfilled Fisheye

- Notes
- 1.) Dimensions in parentheses are for reference only.
 - 2.) IP67-rated.
 - 3.) Entrance Pupil Position:
4.0mm@103°
3.1mm@140°
1.9mm@185°
 - 4.) No filter.

	Name	Date	Effective Focal Length (EFL) 2.7mm	Format Type 1/2"	Nominal Resolution 12MP, 1.55µm	Image Circle 3.0mm	FOV 65°	Rectilin. -12%	Distortion F-θ -1%	TV (4:3) -6%	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: MECHANICAL: X ± 1 X.X ± 0.1 X.XX ± 0.01 OPTICAL: ±5% OF NOMINAL VALUE			
Drawn	Jason Holtkamp	12/15/2024	F/# 2.5	Design Image Circle 7.8mm	Max Image Circle 8.2mm	6.0mm	133°	-51%	-4%	-19%				
			Chief Ray Angle (CRA) 15° @ 8.2mm ImCirc	Operating Temperature /	Storage Temperature /	TITLE 185°@7.8mm M12 Fisheye Lens					DATE 12/15/2024			
Checked			Optical Construction 8G	Barrel Material AL6061	Weight 8g									
QA Appr.			 Commonlands LLC San Diego, CA +1 (858) 333-7325, engineering@commonlands.com			PART NUMBER CIL227-F2.5-M12BNIR					SHEET 1 OF 1		REV 4	
											DO NOT SCALE			