

LoE³-340

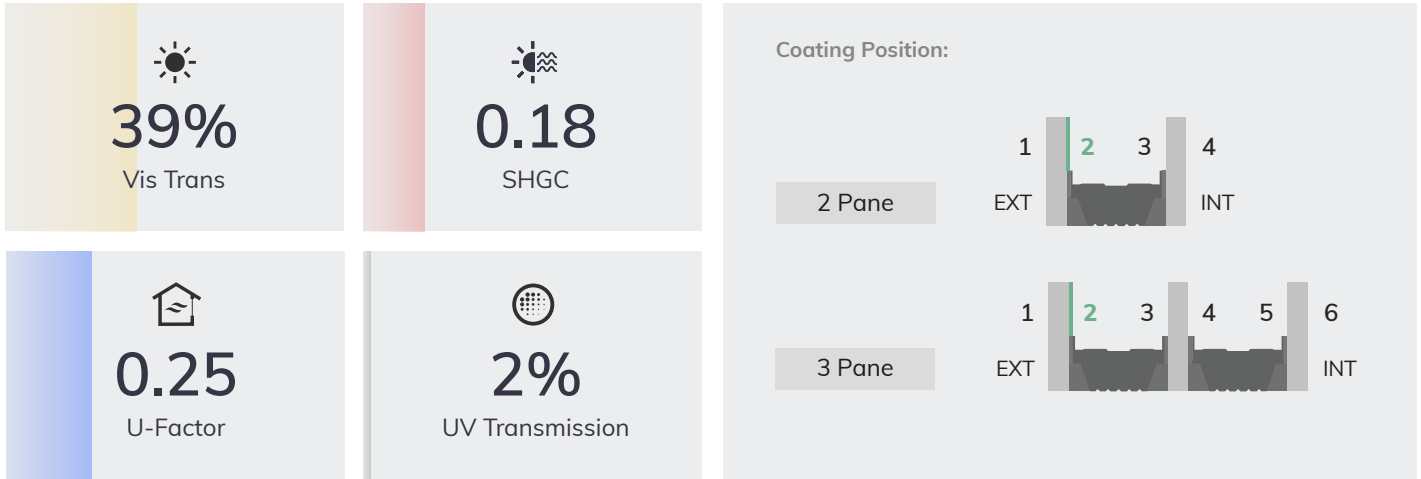
Peak Performance in Glare and Solar Protection



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The solar characteristics of Cardinal LoE³-340® glass are unmatched. With an the lowest SHGC of 0.18 of all the LoE coatings, LoE³-340 significantly diminishes the impact of excessive solar heat gain, while effectively managing glare in any situation.



Data is produced using LBNL Window 7.8. 2-pane IG units have 13mm airspace and filled to 90% argon.

Benefits of LoE³-340

- ✓ Exceptional Glare Control
- ✓ Lowest Solar Heat Gain
- ✓ Excellent Fade Protection
- ✓ Excellent Summer Comfort

LoE³-340 delivers exceptionally low UV transmission. This greatly reduces fading on furniture, carpet, draperies and everything inside the home. The unique anti-glare features of LoE³-340 enable the passage of visible light while preventing an overwhelming amount. This ensures optimal visual clarity and reduces the likelihood of any associated discomfort.

- Laminated options
- Custom shapes & sizes
- Thicknesses: 2.2 to 6mm
- Max dimensions: 96" x 144"

Note: LoE³-340 is available as annealed, heat-strengthened or tempered glass.

ENERGY STAR 7.0

ENERGY STAR® is a program run by the U.S. Environmental Protection Agency (EPA) that promotes energy efficiency in consumer products, including windows. ENERGY STAR 7.0 is the latest version of the ENERGY STAR program's requirements for windows.

LoE³-340 can be used to meet the criteria for the **North-Central**, **South-Central** and **Southern** climate zones.

Whole-Window Performance Criteria

	U-Factor	SHGC	
▶ Northern	≤0.22	≥0.17	Prescriptive
	=0.23	≥0.35	Equivalent Energy Performance
	=0.24		
	=0.25		
	=0.26		
▶ North-Central	≤0.25	≤0.40	
▶ South-Central	≤0.28	≤0.23	
▶ Southern	≤0.32	≤0.23	



3/4" Dual Pane with 3mm Glass • 1" Triple Pane with 3mm Glass • 90% Argon

Center-of-Glass Performance

Dual Pane

Triple Pane

	VISIBLE LIGHT		FADING			U-FACTOR	
	Transmission	Exterior	UV	ISO	SHGC	Air Fill	Argon Fill
						IP / SI	IP / SI
▶ LoE ³ -340 / Clear	39%	13%	2%	27%	0.18	0.29 / 1.66	0.25 / 1.39
▶ LoE ³ -340 / LoE-i89	38%	13%	2%	26%	0.17	0.23 / 1.31	0.20 / 1.13
▶ LoE ³ -340 / Clear / LoE-180	34%	15%	1%	23%	0.16	0.16 / 0.91	0.13 / 0.72
▶ LoE ³ -340 / LoE-180 / LoE-i89	33%	15%	1%	22%	0.15	0.14 / 0.79	0.11 / 0.64

LBNL Window 7 per NFRC100 conditions. LoE³-340 is intended for the 2nd surface on an insulating glass unit.



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Contact Cardinal CG to learn more about LoE³-340 and other Cardinal glass products.

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