



**Phius Product Number:** W-101158  
**Date Last Certified:** 08/15/2023  
**THERM Files Available:** Yes

**Phius Certification Path:** Blue Path  
**Valid Through:** 08/15/2025  
**Air Leakage Test Data Available:** No



**PRODUCT INFORMATION**

<b>Product Name:</b> Cascadia Universal Inswing Tilt Turn Window	
<b>Manufacturer:</b> Cascadia Windows & Doors	<b>Primary Frame Material:</b> Fiberglass
<b>Series:</b> Universal Series	<b>Fixed or Operable:</b> Operable
<b>Model:</b> Inswing Tilt & Turn Window	<b>Operation Type:</b> Dual Action Tilt Turn
<b>NFRC CPD #:</b> CWL-K-23-00072-00001	

**IGU DETAILS**

<b>Glazing Name:</b> E180/ Arg/ E180/ Arg/ i89(#6) (6mm) 44,0mm		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer:</b> Cardinal Endur

**RECOMMENDED CLIMATE ZONES** (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [Btu/hr·ft <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones					✓	✓	✓			
U-Whole-Window	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Modeled Size [W×H]	47.24" × 59.06"			SHGC, Whole Window: 0.35			Condensation Resistance:			

**COMPONENT-LEVEL PERFORMANCE DATA [IP Units] | Compatible with building energy modeling tools**

U-COG   Center of Glass U-Values, by Climate Zone [Btu/hr·ft <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.49		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
<b>Frame Width</b>	4.13"	4.13"	4.13"	4.13"
<b>Frame U-Value [Btu/hr·ft<sup>2</sup>·°F]</b>	0.20	0.20	0.20	0.20
<b>Glazing-to-Frame Psi Value [Btu/hr·ft·°F]</b>	0.0041	0.0041	0.0038	0.0038
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				



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**RECOMMENDED CLIMATE ZONES** *(NOTE: This information is not for use in building energy models. See next section.)*

Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [W/m <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones					✓	✓	✓			
U-Whole-Window	0.76	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.81
Modeled Size [W × H]	1.20 m × 1.50 m			SHGC, Whole Window: 0.35			Condensation Resistance:			

**COMPONENT-LEVEL PERFORMANCE DATA [SI Units]** | *Compatible with building energy modeling tools*

U-COG   Center of Glass U-Values, by Climate Zone [W/m <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.59	0.63	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.65
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.49		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
<b>Frame Width</b>	105 mm	105 mm	105 mm	105 mm
<b>Frame U-Value [W/m<sup>2</sup>K]</b>	1.13	1.13	1.12	1.12
<b>Glazing-to-Frame Psi Value [W/mK]</b>	0.0071	0.0071	0.0067	0.0067
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				