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## Performance Values SERIES 325 - Casement

Glass type	LoE Surface #	Spacer	Gas	R-Value (cog)	Overall U-Value	S.H.G.C.	Visible Light
<b>Cardinal LoE<sup>-180</sup></b>							
Dual	3	Warm Edge Stainless Steel	Argon	3.85	0.27	0.68	79%
Tripane 1 Coating	5	Warm Edge Stainless Steel	Argon	5.56	0.22	0.61	73%
Tripane 2 Coatings	2 and 5	Warm Edge Stainless Steel	Argon	7.69	0.18	0.56	70%
<b>Cardinal LoE<sup>2</sup>-272</b>							
Dual	2	Warm Edge Stainless Steel	Argon	4.00	0.27	0.41	72%
Tripane 1 Coating	2	Warm Edge Stainless Steel	Argon	5.26	0.22	0.38	66%
Tripane 2 Coatings	2 and 5	Warm Edge Stainless Steel	Argon	7.69	0.18	0.35	58%
<b>Cardinal LoE<sup>3</sup>-366</b>							
Dual	2	Warm Edge Stainless Steel	Argon	4.17	0.26	0.27	65%
Tripane 1 Coating	2	Warm Edge Stainless Steel	Argon	5.56	0.22	0.25	59%
Tripane 2 Coatings	2 and 5	Warm Edge Stainless Steel	Argon	8.33	0.17	0.24	47%
<b>Heat Mirror 88/LoE 180</b>							
1 Film / 1 Coating	3	Stainless Steel	Krypton	8.10		0.51	70%
2 Films / 1 Coating	3	Stainless Steel	Krypton	12.20		0.44	62%
3 Films / 1 Coating	3	Stainless Steel	Krypton	19.50		0.38	53%

Information is gleaned from best available industry sources. The reader is cautioned that test results should be used for comparison purposes only. Results are size and installation dependent. In-service performance can be significantly different from those shown. Product tested indicates design potential. Model size was 1200 mm x 1500 mm, with no thermal breaks, which are not required in fiberglass frames due to the lower relative conductivity compared to aluminum.

### Notes

- (1) 2-Pane Cardinal IG unit calculations based on 2 lites of 1/8" (3 mm) glass and 1/2" (13 mm) airspace.
- (2) 3-Pane Cardinal IG unit calculations based on 3 lites of 1/8" (3 mm) glass and two 1/2" (13 mm) airspaces.
- (3) Calculations for argon filled unit made with 90% Argon/ 10% air.
- (4) NFRC Environmental Conditions used for all values.
- (5) Overall (whole window) U-Value units are Btu/h\*ft<sup>2</sup>\*F. U-Values in a Tripane with 1 Lo-E coating are understated, as values are shown with one air-filled cavity, whereas manufactured units are typically made with inert gas in all cavities.
- (6) S.H.G.C.: Solar Heat Gain Coefficient shown represents the insulating glass unit
- (7) Visible light transmittance shown represents the insulating glass unit