

Skylight In-House Thermal Simulations

Cardinal Glazing																												
[272-Clear] [³ / ₁₆ " - ⁵ / ₁₆ " (.060 PVB)]																												
SI5600 Variable Pitch (RGB)					SI5600 Variable Pitch (2" x 4")				SI5600 Variable Pitch (HGB)				SI5600 Variable Pitch (2" x 8")				SI5600 Variable Pitch (2" x 10")				SI5900 Welded Curb				SI6408 80-90 Degree Operable*			
Generation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
G2	0.62	0.32	0.53	41	0.63	0.32	0.53	41	0.63	0.32	0.53	42	0.63	0.32	0.53	42	0.64	0.32	0.53	43	0.50	0.38	0.65	26	0.88	0.37	0.63	19
G3	0.51	0.32	0.53	54	0.51	0.32	0.53	54	0.52	0.32	0.53	55	0.52	0.32	0.53	56	0.52	0.32	0.53	57	0.55	0.37	0.63	19				
[272-i89] [³ / ₁₆ " - ⁵ / ₁₆ " (.060 PVB)]																												
SI5600 Variable Pitch (RGB)					SI5600 Variable Pitch (2" x 4")				SI5600 Variable Pitch (HGB)				SI5600 Variable Pitch (2" x 8")				SI5600 Variable Pitch (2" x 10")				SI5900 Welded Curb				SI6408 80-90 Degree Operable*			
Generation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
G2	0.57	0.31	0.51	42	0.57	0.31	0.51	42	0.58	0.31	0.51	43	0.58	0.31	0.51	43	0.58	0.31	0.51	44	0.44	0.37	0.63	27	0.83	0.36	0.61	19
G3	0.46	0.31	0.51	50	0.46	0.31	0.51	50	0.46	0.31	0.51	50	0.46	0.31	0.51	50	0.47	0.31	0.51	50	0.50	0.36	0.61	19				
[366-Clear] [³ / ₁₆ " - ⁵ / ₁₆ " (.060 PVB)]																												
SI5600 Variable Pitch (RGB)					SI5600 Variable Pitch (2" x 4")				SI5600 Variable Pitch (HGB)				SI5600 Variable Pitch (2" x 8")				SI5600 Variable Pitch (2" x 10")				SI5900 Welded Curb				SI6408 80-90 Degree Operable*			
Generation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
G2	0.61	0.22	0.47	42	0.61	0.22	0.47	55	0.62	0.22	0.47	43	0.62	0.22	0.47	57	0.62	0.22	0.47	43	0.49	0.26	0.59	26	0.87	0.25	0.57	19
G3	0.49	0.22	0.47	55	0.49	0.22	0.47	56	0.50	0.22	0.47	57	0.50	0.22	0.47	57	0.51	0.22	0.47	58	0.54	0.25	0.57	19				
[366 - i89] [³ / ₁₆ " - ⁵ / ₁₆ " (.060 PVB)]																												
SI5600 Variable Pitch (RGB)					SI5600 Variable Pitch (2" x 4")				SI5600 Variable Pitch (HGB)				SI5600 Variable Pitch (2" x 8")				SI5600 Variable Pitch (2" x 10")				SI5900 Welded Curb				SI6408 80-90 Degree Operable*			
Generation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
G2	0.58	0.21	0.46	41	0.58	0.22	0.46	42	0.58	0.22	0.46	42	0.59	0.22	0.46	43	0.59	0.21	0.46	43	0.44	0.25	0.57	27	0.83	0.24	0.55	19
G3	0.46	0.21	0.46	50	0.46	0.22	0.46	50	0.47	0.22	0.46	50	0.47	0.22	0.46	50	0.47	0.21	0.46	50	0.50	0.24	0.55	19				
Vitro Glazing																												
[Solarban 60-Clear] [³ / ₁₆ " - ⁵ / ₁₆ " (.060 PVB)]																												
SI5600 Variable Pitch (RGB)					SI5600 Variable Pitch (2" x 4")				SI5600 Variable Pitch (HGB)				SI5600 Variable Pitch (2" x 8")				SI5600 Variable Pitch (2" x 10")				SI5900 Welded Curb				SI6408 80-90 Degree Operable*			
Generation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
G2	0.62	0.31	0.53	41	0.62	0.31	0.53	41	0.63	0.31	0.53	42	0.63	0.31	0.53	42	0.63	0.31	0.53	43	0.50	0.34	0.66	26	0.87	0.35	0.64	19
G3	0.51	0.31	0.53	54	0.51	0.31	0.53	54	0.51	0.31	0.53	55	0.52	0.31	0.53	56	0.52	0.31	0.53	57	0.55	0.36	0.64	19				
[Solarban 70-Clear] [³ / ₁₆ " - ⁵ / ₁₆ " (.060 PVB)]																												
SI5600 Variable Pitch (RGB)					SI5600 Variable Pitch (2" x 4")				SI5600 Variable Pitch (HGB)				SI5600 Variable Pitch (2" x 8")				SI5600 Variable Pitch (2" x 10")				SI5900 Welded Curb				SI6408 80-90 Degree Operable*			
Generation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
G2	0.61	0.22	0.47	42	0.61	0.22	0.47	42	0.61	0.22	0.47	43	0.62	0.22	0.47	43	0.62	0.22	0.47	43	0.49	0.26	0.58	26	0.87	0.25	0.58	19
G3	0.49	0.22	0.47	55	0.49	0.22	0.47	56	0.50	0.22	0.47	57	0.50	0.22	0.47	57	0.51	0.22	0.47	58	0.54	0.25	0.57	19				
Guardian Glazing																												
[SN68-Clear] [³ / ₁₆ " - ⁵ / ₁₆ " (.060 PVB)]																												
SI5600 Variable Pitch (RGB)					SI5600 Variable Pitch (2" x 4")				SI5600 Variable Pitch (HGB)				SI5600 Variable Pitch (2" x 8")				SI5600 Variable Pitch (2" x 10")				SI5900 Welded Curb				SI6408 80-90 Degree Operable*			
Generation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
G2	0.61	0.29	0.51	42	0.62	0.29	0.51	42	0.62	0.29	0.51	43	0.62	0.30	0.51	43	0.63	0.30	0.51	43	0.49	0.35	0.63	26	0.87	0.34	0.61	19
G3	0.50	0.30	0.51	55	0.50	0.30	0.51	55	0.50	0.30	0.51	56	0.51	0.30	0.51	57	0.51	0.30	0.51	58	0.54	0.34	0.61	19				

* 80-90 Degree Operable Skylights are not designated by a generation type.

Note: Not all configurations shown are NFRC Certified products. Solar Innovations, Inc. is not a NFRC accredited certified simulation laboratory. Results listed are for reference only. Actual NFRC values may vary. Units were modeled to NFRC -100, NFRC-200, and NFRC-500 standards using the standard size for each unit. All values are calculated using Windows 6.3 / THERM 6.3 programs by Lawrence Berkeley National Laboratory. Custom glass thermal simulations are available upon customer request.