

TEST REPORT FOR STEVES & SONS

Report No.: P2815.02-116-45 R0

Date: 02/08/23

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Fiberglass Sidelite (Flush Glazed))																					
Option Number	Description	Pane Thickness 1 (in.)	Low-e Pane 1	Gap Width 1 (in.)	Gap Fill 1	Pane Thickness 2 (in.)	Low-e Pane 2	Gap Width 2 (in.)	Gap Fill 2	Pane Thickness 3 (in.)	Low-e Pane 3	Tint	Spacer	Grid Type	U-Factor (Btu/hr-ft2-F)	SHGC - No Grids	VT - No Grids	SHGC - Grids < 1"	VT - Grids < 1"	SHGC - Grids > 1"	VT - Grids > 1"
1	No Lite: 3 Panel											OT	N	N	0.26	0.01	0.00				
2	1/4 Lite: GP Glass: YEA/Argon/Clear - DS/DS 1" IG	0.126	0.162(#2)	0.750	ARG90	0.120						CL	A1-D	N	0.28	0.03	0.02				
3	1/4 Lite: GP Glass: YEA/Argon/Clear - DS/DS 1" IG	0.126	0.162(#2)	0.750	ARG90	0.120						CL	A1-D	G	0.28					0.03	0.01
4	1/4 Lite: GP Glass: Clear/Air/Deco/Air/Clear -Caming DS/DS/DS 1" IG	0.120		0.316	AIR	0.120		0.316	AIR	0.120		CL	A5-D	G	0.28			0.03	0.01		
5	1/4 Lite: GP Glass: Clear/Air/Clear - Iron Bar - DS/DS 1" IG	0.126	0.162(#2)	0.750	AIR	0.120						CL	A5-D	G	0.28			0.03	0.02		
6	1/4 Lite: Weier Glass: Optilite 1,1 Plus/Argon/Clear - DS/DS 1" IG	0.124	0.051(#2)	0.750	ARG90	0.120						CL	A1-D	N	0.28	0.03	0.02				
7	1/2 Lite: GP Glass: YEA/Argon/Clear - DS/DS 1" IG	0.126	0.162(#2)	0.750	ARG90	0.120						CL	A1-D	N	0.32	0.10	0.10				
8	1/2 Lite: GP Glass: YEA/Argon/Clear - DS/DS 1" IG	0.126	0.162(#2)	0.750	ARG90	0.120						CL	A1-D	G	0.33					0.09	0.08
9	1/2 Lite: GP Glass: Clear/Air/Deco/Air/Clear -Caming DS/DS/DS 1" IG	0.120		0.316	AIR	0.120		0.316	AIR	0.120		CL	A5-D	G	0.32			0.09	0.09		
10	1/2 Lite: GP Glass: Clear/Air/Clear - Iron Bar - DS/DS 1" IG	0.126	0.162(#2)	0.750	AIR	0.120						CL	A5-D	G	0.32			0.09	0.09		
11	1/2 Lite: GP Glass: YEA/Argon/Clear - Mini-Blind UP - DS/DS 1" IG	0.126	0.162(#2)	0.759	ARG90	0.120						BG	A1-D	N	0.35	0.06	0.05				
12	1/2 Lite: Weier Glass: Optilite 1,1 Plus/Argon/Clear - DS/DS 1" IG	0.124	0.051(#2)	0.750	ARG90	0.120						CL	A1-D	N	0.31	0.08	0.10				

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13	3/4 Lite: GP Glass: YEA/Argon/Clear - DS/DS 1" IG	0.126	0.162(#2)	0.750	ARG90	0.120						CL	A1-D	N	0.33	0.13	0.13				
14	3/4 Lite: GP Glass: YEA/Argon/Clear - DS/DS 1" IG	0.126	0.162(#2)	0.750	ARG90	0.120						CL	A1-D	G	0.35					0.11	0.11
15	3/4 Lite: GP Glass: Clear/Air/Deco/Air/Clear -Caming DS/DS/DS 1" IG	0.120		0.316	AIR	0.120		0.316	AIR	0.120		CL	A5-D	G	0.33			0.12	0.12		
16	3/4 Lite: GP Glass: Clear/Air/Clear - Iron Bar - DS/DS 1" IG	0.126	0.162(#2)	0.750	AIR	0.120						CL	A5-D	G	0.33			0.12	0.12		
17	3/4 Lite: GP Glass: YEA/Argon/Clear - Mini-Blind UP - DS/DS 1" IG	0.126	0.162(#2)	0.759	ARG90	0.120						BG	A1-D	N	0.38	0.08	0.07				
18	3/4 Lite: Weier Glass: Optilite 1,1 Plus/Argon/Clear - DS/DS 1" IG	0.124	0.051(#2)	0.750	ARG90	0.120						CL	A1-D	N	0.33	0.10	0.13				
19	Full Lite: GP Glass: YEA/Argon/Clear - DS/DS 1" IG	0.126	0.162(#2)	0.750	ARG90	0.120						CL	A1-D	N	0.36	0.16	0.17				
20	Full Lite: GP Glass: YEA/Argon/Clear - DS/DS 1" IG	0.126	0.162(#2)	0.750	ARG90	0.120						CL	A1-D	G	0.38					0.14	0.15
21	Full Lite: GP Glass: Clear/Air/Deco/Air/Clear -Caming DS/DS/DS 1" IG	0.120		0.316	AIR	0.120		0.316	AIR	0.120		CL	A5-D	G	0.35			0.16	0.16		
22	Full Lite: GP Glass: Clear/Air/Clear - Iron Bar - DS/DS 1" IG	0.126	0.162(#2)	0.750	AIR	0.120						CL	A5-D	G	0.35			0.15	0.16		
23	Full Lite: GP Glass: YEA/Argon/Clear - Mini-Blind UP - DS/DS 1" IG	0.126	0.162(#2)	0.759	ARG90	0.120						BG	A1-D	N	0.41	0.11	0.10				
24	Full Lite: Weier Glass: Optilite 1,1 Plus/Argon/Clear - DS/DS 1" IG	0.124	0.051(#2)	0.750	ARG90	0.120						CL	A1-D	N	0.35	0.13	0.17				

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25	1/2 Lite: Weier Glass: Optilite 1,1 Plus/Air/Clear - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	AIR	0.120						BG	A1-D	N	0.35	0.06	0.05				
26	1/2 Lite: Weier Glass: Optilite 1,1 Plus/Argon/Clear - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	ARG90	0.120						BG	A1-D	N	0.34	0.06	0.05				
27	3/4 Lite: Weier Glass: Optilite 1,1 Plus/Air/Clear - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	AIR	0.120						BG	A1-D	N	0.38	0.07	0.07				
28	3/4 Lite: Weier Glass: Optilite 1,1 Plus/Argon/Clear - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	ARG90	0.120						BG	A1-D	N	0.37	0.07	0.07				
29	Full Lite: Weier Glass: Optilite 1,1 Plus/Air/Clear - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	AIR	0.120						BG	A1-D	N	0.41	0.09	0.10				
30	Full Lite: Weier Glass: Optilite 1,1 Plus/Argon/Clear - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	ARG90	0.120						BG	A1-D	N	0.40	0.09	0.10				
31	1/2 Lite: Weier Glass: Optilite 1,1 Plus/Argon/Advantage (#4) - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	ARG90	0.118	0.164(#4)					BG	A1-D	N	0.32	0.06	0.05				
32	3/4 Lite: Weier Glass: Optilite 1,1 Plus/Argon/Advantage (#4) - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	ARG90	0.118	0.164(#4)					BG	A1-D	N	0.34	0.07	0.07				

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33	Full Lite: Weier Glass: Optilite 1,1 Plus/Argon/Advantage (#4) - IG Blind UP - DS/DS 1" IG	0.125	0.057(#2)	0.747	ARG90	0.118	0.164(#4)					BG	A1-D	N	0.37	0.09	0.09				