

TEST REPORT FOR STEVES & SONS

Report No.: P0338.02-116-45 R0

Date: 02/07/23

SECTION 6

SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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-ft ² -F)	SHGC - No Grids	VT - No Grids	SHGC - Grids < 1"	VT - Grids < 1"	SHGC - Grids > 1"	VT - Grids > 1"
1	No Lite: 3 Panel											0	N	N	0.18	0.01	0.00				
2	1/4 Lite: ODL: Clear/Air/Clear - DS 0.54"	0.123		0.290	AIR	0.123						CL	CU-D	N,S	0.20	0.03	0.02	0.03	0.02		
3	1/4 Lite: ODL: CS73/Air/Clear - DS 0.54"	0.123	0.148(#2)	0.290	AIR	0.123						CL	CU-D	N,S	0.20	0.02	0.02	0.03	0.01		
4	1/4 Lite: ODL: Clear/Air/Clear - DS 1"	0.123		0.758	AIR	0.123						CL	CU-D	N,G,S	0.20	0.03	0.02	0.03	0.02		
5	1/4 Lite: ODL: CS73/Air/Clear - DS 1"	0.123	0.148(#2)	0.758	AIR	0.123						CL	CU-D	N,G,S	0.20	0.02	0.02	0.03	0.01		
6	1/4 Lite: ODL: E270/Air/Clear - DS 1"	0.118	0.035(#2)	0.758	AIR	0.118						CL	CU-D	N,G,S	0.20	0.02	0.02	0.02	0.01		
7	1/4 Lite: ODL: E366/Air/Clear - DS 1"	0.118	0.02(#2)	0.758	AIR	0.118						CL	CU-D	N,G,S	0.20	0.02	0.02	0.02	0.01		
8	1/4 Lite: ODL: Clear/Air/Clear - DS 1/2" Oval	0.123		0.250	AIR	0.123						CL	A8-S	N,S	0.20	0.03	0.02	0.03	0.02		
9	1/4 Lite: ODL: CS73/Air/Clear - DS 1/2" Oval	0.123	0.148(#2)	0.250	AIR	0.123						CL	A8-S	N,S	0.20	0.02	0.02	0.03	0.01		
10	1/4 Lite: ODL: E270/Air/Clear - DS 1/2" Oval	0.118	0.035(#2)	0.250	AIR	0.123						CL	A8-S	N,S	0.20	0.02	0.02	0.02	0.01		
11	1/4 Lite: ODL: E366/Air/Clear - DS 1/2" Oval	0.118	0.02(#2)	0.250	AIR	0.123						CL	A8-S	N,S	0.20	0.02	0.02	0.02	0.01		
12	1/4 Lite: ODL: Clear/Air/Clear - DS 1" Oval	0.123		0.750	AIR	0.123						CL	A8-S	N,S	0.20	0.03	0.02	0.03	0.02		
13	1/4 Lite: ODL: CS73/Air/Clear - DS 1" Oval	0.123	0.148(#2)	0.750	AIR	0.123						CL	A8-S	N,S	0.20	0.02	0.02	0.03	0.01		

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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"
14	1/4 Lite: ODL: E270/Air/Clear - DS 1" Oval	0.118	0.035(#2)	0.750	AIR	0.123						CL	A8-S	N,S	0.20	0.02	0.02	0.02	0.01		
15	1/4 Lite: ODL: E366/Air/Clear - DS 1" Oval	0.118	0.02(#2)	0.750	AIR	0.123						CL	A8-S	N,S	0.19	0.02	0.02	0.02	0.01		
16	1/4 Lite: ODL: Clear/Air/Clear - DS-4mm (Geo-Tex Textured) 1"	0.123		0.696	AIR	0.151						CL	CU-D	N	0.20	0.03	0.02				
17	1/4 Lite: ODL: CS73/Air/Clear - DS-4mm (Geo-Tex Textured) 1"	0.123	0.148(#2)	0.696	AIR	0.151						CL	CU-D	N	0.20	0.02	0.02				
18	1/4 Lite: ODL: E270/Air/Clear - DS-4mm (Geo-Tex Textured) 1"	0.118	0.035(#2)	0.696	AIR	0.151						CL	CU-D	N	0.20	0.02	0.02				
19	1/4 Lite: ODL: E366/Air/Clear - DS-4mm (Geo-Tex Textured) 1"	0.118	0.02(#2)	0.696	AIR	0.151						CL	CU-D	N	0.20	0.02	0.02				
20	1/4 Lite: ODL: Clear/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.117		0.728	AIR	0.151						CL	CU-D	N	0.20	0.03	0.02				
21	1/4 Lite: ODL: CS73/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.123	0.148(#2)	0.728	AIR	0.151						CL	CU-D	N	0.20	0.02	0.02				
22	1/4 Lite: ODL: E270/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.118	0.035(#2)	0.728	AIR	0.151						CL	CU-D	N	0.20	0.02	0.02				
23	1/4 Lite: ODL: E366/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.118	0.02(#2)	0.728	AIR	0.151						CL	CU-D	N	0.20	0.02	0.02				

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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"
24	1/4 Lite: ODL: Clear/Air/Clear (SDL) - DS 3/4"	0.117		0.500	AIR	0.117						CL	CU-D	S	0.20					0.03	0.01
25	1/4 Lite: ODL: CS73/Air/Clear (SDL) - DS 3/4"	0.123	0.148(#2)	0.500	AIR	0.123						CL	CU-D	S	0.20					0.03	0.01
26	1/4 Lite: ODL: E366/Air/Clear (SDL) - DS 3/4"	0.118	0.02(#2)	0.500	AIR	0.118						CL	CU-D	S	0.20					0.02	0.01
27	1/4 Lite: ODL: Clear/Air/Clear (SDL) - DS 1-1/16"	0.123		0.813	AIR	0.123						CL	A1-S	S	0.20			0.03	0.02		
28	1/4 Lite: ODL: CS73/Air/Clear (SDL) - DS 1-1/16"	0.123	0.148(#2)	0.813	AIR	0.123						CL	A1-S	S	0.20			0.03	0.01		
29	1/4 Lite: ODL: E366/Air/Clear (SDL) - DS 1-1/16"	0.118	0.02(#2)	0.813	AIR	0.118						CL	A1-S	S	0.20			0.02	0.01		
30	1/4 Lite: ODL: Clear/Air/Deco/Air/Clear - DS 1" Caming	0.123		0.313	AIR	0.123		0.313	AIR	0.123		CL	A5-S	G	0.20			0.04	0.03		
31	1/4 Lite: ODL: E270/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.035(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.20			0.02	0.01		
32	1/4 Lite: ODL: E366/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.02(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.20			0.02	0.01		
33	1/4 Lite: ODL: YEA/Air/Deco/Air/Clear - DS 1" Caming	0.126	0.162(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.20			0.02	0.01		

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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"
34	1/4 Lite: ODL: Clear/Air/Deco/Air/Clear - DS 1" Caming	0.123		0.313	AIR	0.123		0.313	AIR	0.123		CL	A1-D	G	0.20			0.03	0.01		
35	1/4 Lite: ODL: E270/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.035(#2)	0.313	AIR	0.118		0.313	AIR	0.118		OT	A1-D	G	0.20			0.02	0.01		
36	1/4 Lite: ODL: E366/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.02(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.20			0.02	0.01		
37	1/4 Lite: ODL: YEA/Air/Deco/Air/Clear - DS 1" Caming	0.126	0.162(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.20			0.02	0.01		
38	1/4 Lite: ODL: LAMI/Air/Deco/Air/Clear - 9mm-DS-DS 1" Impact Caming	0.339		0.205	AIR	0.118		0.205	AIR	0.118		CL	A5-D	G	0.21			0.02	0.01		
39	1/4 Lite: ODL: LAMI/Air/Clear - DS 31/32" Impact	0.339		0.500	AIR	0.118						CL	A1-D	N	0.21	0.03	0.02				
40	1/4 Lite: ODL: LAMI/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	N	0.21	0.03	0.02				
41	1/4 Lite: ODL: LAMI/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	G	0.21			0.03	0.02		
42	1/4 Lite: ODL: LAMI-E180/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	N	0.21	0.02	0.02				
43	1/4 Lite: ODL: LAMI-E180/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	G	0.22			0.02	0.02		

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44	1/4 Lite: ODL: LAMI/Air/Clear - DS 1-1/4" Impact Blind Up	0.339		0.813	AIR	0.118						BG	CU-D	N	0.21	0.02	0.01				
45	1/4 Lite: ODL: Lami-E180/Air/Clear - DS 1-1/4" Impact Blind Up	0.339		0.813	AIR	0.118						BG	CU-D	N	0.21	0.02	0.01				
46	1/4 Lite: ODL: LAMI/Air/Clear - DS 1-1/4" Impact Blind Down(White)	0.339		0.813	AIR	0.118						BG	CU-D	N	0.21	0.02	0.01				
47	1/4 Lite: ODL: Lami-E180/Air/Clear - DS 1-1/4" Impact Blind Down(White)	0.339		0.813	AIR	0.118						BG	CU-D	N	0.21	0.02	0.01				
48	1/4 Lite: ODL: Clear/Air/Clear - DS 1" Blind Up	0.118		0.750	AIR	0.118						BG	CU-D	N	0.20	0.02	0.01				
49	1/4 Lite: ODL: E272/Air/Clear - DS 1" Blind Up	0.117	0.042(#2)	0.750	AIR	0.118						BG	CU-D	N	0.20	0.01	0.01				
50	1/4 Lite: ODL: E270/Air/Clear - DS 1" Blind Up	0.118	0.035(#2)	0.750	AIR	0.118						BG	CU-D	N	0.20	0.01	0.01				
51	1/4 Lite: ODL: E340/Air/Clear - DS 1" Blind Up	0.118	0.028(#2)	0.750	AIR	0.118						BG	CU-D	N	0.20	0.01	0.00				
52	1/4 Lite: ODL: E366/Air/Clear - DS 1" Blind Up	0.118	0.02(#2)	0.750	AIR	0.118						BG	CU-D	N	0.20	0.01	0.01				
53	1/4 Lite: ODL: E272/Air/ i89 - DS 1" Blind Up	0.117	0.042(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.20	0.01	0.01				
54	1/4 Lite: ODL: E270/Air/ i89 - DS 1" Blind Up	0.118	0.035(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.20	0.01	0.01				
55	1/4 Lite: ODL: E340/Air/ i89 - DS 1" Blind Up	0.118	0.028(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.20	0.01	0.00				

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56	1/4 Lite: ODL: E366/Air/ i89 - DS 1" Blind Up	0.118	0.02(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.20	0.01	0.01				
57	1/4 Lite: ODL: Clear/Air/Clear - DS 1" Blind Down (White)	0.118		0.750	AIR	0.118						BG	CU-D	N	0.20	0.02	0.01				
58	1/4 Lite: ODL: E272/Air/Clear - DS 1" Blind Down (White)	0.117	0.042(#2)	0.750	AIR	0.118						BG	CU-D	N	0.20	0.01	0.01				
59	1/4 Lite: ODL: E270/Air/Clear - DS 1" Blind Down (White)	0.118	0.035(#2)	0.750	AIR	0.118						BG	CU-D	N	0.20	0.01	0.01				
60	1/4 Lite: ODL: E340/Air/Clear - DS 1" Blind Down (White)	0.118	0.028(#2)	0.750	AIR	0.118						BG	CU-D	N	0.20	0.01	0.00				
61	1/4 Lite: ODL: E366/Air/Clear - DS 1" Blind Down (White)	0.118	0.02(#2)	0.750	AIR	0.118						BG	CU-D	N	0.20	0.01	0.01				
62	1/4 Lite: ODL: E272/Air/ i89 - DS 1" Blind Down (White)	0.117	0.042(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.20	0.01	0.01				
63	1/4 Lite: ODL: E270/Air/ i89 - DS 1" Blind Down (White)	0.118	0.035(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.20	0.01	0.01				
64	1/4 Lite: ODL: E340/Air/ i89 - DS 1" Blind Down (White)	0.118	0.028(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.20	0.01	0.00				
65	1/4 Lite: ODL: E366/Air/ i89 - DS 1" Blind Down (White)	0.118	0.02(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.20	0.01	0.01				
66	1/4 Lite: ODL: Clear/Air/Clear - DS 1" Wrought Iron	0.118		0.750	AIR	0.118						CL	A1-D	G	0.20			0.03	0.02		
67	1/4 Lite: ODL: E270/Air/Clear - DS 1" Wrought Iron	0.118	0.035(#2)	0.750	AIR	0.118						CL	A1-D	G	0.20			0.02	0.01		

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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"
68	1/4 Lite: ODL: E366/Air/Clear - DS 1" Wrought Iron	0.118	0.02(#2)	0.750	AIR	0.118						CL	A1-D	G	0.20			0.02	0.01		
69	1/4 Lite: ODL: YEA/Air/Clear - DS 1" Wrought Iron	0.126	0.162(#2)	0.750	AIR	0.123						CL	A1-D	G	0.20			0.03	0.02		
70	1/4 Lite: Weier: Optilite 1,1 Plus/Argon/Clear - DS 1"	0.125	0.057(#2)	0.313	AIR	0.125	0.057(#4)					CL	A1-D	N,S	0.20	0.02	0.02	0.02	0.02		
71	1/2 Lite: ODL: Clear/Air/Clear - DS 0.54"	0.123		0.290	AIR	0.123						CL	CU-D	N,S	0.26	0.11	0.10	0.11	0.09		
72	1/2 Lite: ODL: CS73/Air/Clear - DS 0.54"	0.123	0.148(#2)	0.290	AIR	0.123						CL	CU-D	N,S	0.24	0.09	0.09	0.10	0.08		
73	1/2 Lite: ODL: Clear/Air/Clear - DS 1"	0.123		0.758	AIR	0.123						CL	CU-D	N,G,S	0.25	0.11	0.10	0.11	0.09		
74	1/2 Lite: ODL: CS73/Air/Clear - DS 1"	0.123	0.148(#2)	0.758	AIR	0.123						CL	CU-D	N,G,S	0.23	0.09	0.09	0.10	0.08		
75	1/2 Lite: ODL: E270/Air/Clear - DS 1"	0.118	0.035(#2)	0.758	AIR	0.118						CL	CU-D	N,G,S	0.23	0.06	0.09	0.06	0.07		
76	1/2 Lite: ODL: E366/Air/Clear - DS 1"	0.118	0.02(#2)	0.758	AIR	0.118						CL	CU-D	N,G,S	0.23	0.04	0.08	0.05	0.07		
77	1/2 Lite: ODL: Clear/Air/Clear - DS-4mm (Geo-Tex Textured) 1"	0.123		0.696	AIR	0.151						CL	CU-D	N	0.25	0.11	0.10				
78	1/2 Lite: ODL: CS73/Air/Clear - DS-4mm (Geo-Tex Textured) 1"	0.123	0.148(#2)	0.696	AIR	0.151						CL	CU-D	N	0.23	0.09	0.09				
79	1/2 Lite: ODL: E270/Air/Clear - DS-4mm (Geo-Tex Textured) 1"	0.118	0.035(#2)	0.696	AIR	0.151						CL	CU-D	N	0.23	0.06	0.09				
80	1/2 Lite: ODL: E366/Air/Clear - DS-4mm (Geo-Tex Textured) 1"	0.118	0.02(#2)	0.696	AIR	0.151						CL	CU-D	N	0.23	0.04	0.08				

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81	1/2 Lite: ODL: Clear/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.117		0.728	AIR	0.151						CL	CU-D	N	0.25	0.11	0.10				
82	1/2 Lite: ODL: CS73/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.123	0.148(#2)	0.728	AIR	0.151						CL	CU-D	N	0.23	0.09	0.09				
83	1/2 Lite: ODL: E270/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.118	0.035(#2)	0.728	AIR	0.151						CL	CU-D	N	0.23	0.06	0.09				
84	1/2 Lite: ODL: E366/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.118	0.02(#2)	0.728	AIR	0.151						CL	CU-D	N	0.23	0.04	0.08				
85	1/2 Lite: ODL: Clear/Air/Clear (SDL) - DS 3/4"	0.117		0.500	AIR	0.117						CL	CU-D	S	0.25					0.10	0.07
86	1/2 Lite: ODL: CS73/Air/Clear (SDL) - DS 3/4"	0.123	0.148(#2)	0.500	AIR	0.123						CL	CU-D	S	0.23					0.09	0.06
87	1/2 Lite: ODL: E366/Air/Clear (SDL) - DS 3/4"	0.118	0.02(#2)	0.500	AIR	0.118						CL	CU-D	S	0.23					0.04	0.06
88	1/2 Lite: ODL: Clear/Air/Clear (SDL) - DS 1-1/16"	0.123		0.813	AIR	0.123						CL	A1-S	S	0.26			0.11	0.09		
89	1/2 Lite: ODL: CS73/Air/Clear (SDL) - DS 1-1/16"	0.123	0.148(#2)	0.813	AIR	0.123						CL	A1-S	S	0.25			0.10	0.08		
90	1/2 Lite: ODL: E366/Air/Clear (SDL) - DS 1-1/16"	0.118	0.02(#2)	0.813	AIR	0.118						CL	A1-S	S	0.24			0.05	0.07		

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
91	1/2 Lite: ODL: Clear/Air/Deco/Air/Clear - DS 1" Caming	0.123		0.313	AIR	0.123		0.313	AIR	0.123		CL	A5-S	G	0.24			0.10	0.07		
92	1/2 Lite: ODL: E270/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.035(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.23			0.05	0.06		
93	1/2 Lite: ODL: E366/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.02(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.23			0.04	0.06		
94	1/2 Lite: ODL: YEA/Air/Deco/Air/Clear - DS 1" Caming	0.126	0.162(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.23			0.09	0.07		
95	1/2 Lite: ODL: Clear/Air/Deco/Air/Clear - DS 1" Caming	0.123		0.313	AIR	0.123		0.313	AIR	0.123		CL	A1-D	G	0.25			0.10	0.07		
96	1/2 Lite: ODL: E270/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.035(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.24			0.05	0.06		
97	1/2 Lite: ODL: E366/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.02(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.24			0.04	0.06		
98	1/2 Lite: ODL: YEA/Air/Deco/Air/Clear - DS 1" Caming	0.126	0.162(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.24			0.09	0.07		

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SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
99	1/2 Lite: ODL: LAMI/Air/Deco/Air/Clear - 9mm-DS-DS 1" Impact Caming	0.339		0.205	AIR	0.118		0.205	AIR	0.118		CL	A5-D	G	0.26			0.09	0.07		
100	1/2 Lite: ODL: LAMI/Air/Clear - DS 31/32" Impact	0.339		0.500	AIR	0.118						CL	A1-D	N	0.28	0.09	0.10				
101	1/2 Lite: ODL: LAMI/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	N	0.27	0.09	0.10				
102	1/2 Lite: ODL: LAMI/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	G	0.29			0.10	0.08		
103	1/2 Lite: ODL: LAMI-E180/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	N	0.27	0.08	0.09				
104	1/2 Lite: ODL: LAMI-E180/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	G	0.29			0.09	0.08		
105	1/2 Lite: ODL: LAMI/Air/Clear - DS 1-1/4" Impact Blind Up	0.339		0.813	AIR	0.118						BG	CU-D	N	0.28	0.07	0.07				
106	1/2 Lite: ODL: Lami-E180/Air/Clear - DS 1-1/4" Impact Blind Up	0.339		0.813	AIR	0.118						BG	CU-D	N	0.28	0.06	0.06				
107	1/2 Lite: ODL: LAMI/Air/Clear - DS 1-1/4" Impact Blind Down(White)	0.339		0.813	AIR	0.118						BG	CU-D	N	0.28	0.07	0.07				
108	1/2 Lite: ODL: Lami-E180/Air/Clear - DS 1-1/4" Impact Blind Down(White)	0.339		0.813	AIR	0.118						BG	CU-D	N	0.28	0.06	0.06				
109	1/2 Lite: ODL: Clear/Air/Clear - DS 1" Blind Up	0.118		0.750	AIR	0.118						BG	CU-D	N	0.26	0.08	0.07				

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
110	1/2 Lite: ODL: E272/Air/Clear - DS 1" Blind Up	0.117	0.042(#2)	0.750	AIR	0.118						BG	CU-D	N	0.24	0.05	0.06				
111	1/2 Lite: ODL: E270/Air/Clear - DS 1" Blind Up	0.118	0.035(#2)	0.750	AIR	0.118						BG	CU-D	N	0.24	0.04	0.06				
112	1/2 Lite: ODL: E340/Air/Clear - DS 1" Blind Up	0.118	0.028(#2)	0.750	AIR	0.118						BG	CU-D	N	0.24	0.03	0.03				
113	1/2 Lite: ODL: E366/Air/Clear - DS 1" Blind Up	0.118	0.02(#2)	0.750	AIR	0.118						BG	CU-D	N	0.24	0.03	0.06				
114	1/2 Lite: ODL: E272/Air/ i89 - DS 1" Blind Up	0.117	0.042(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.23	0.04	0.06				
115	1/2 Lite: ODL: E270/Air/ i89 - DS 1" Blind Up	0.118	0.035(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.23	0.04	0.06				
116	1/2 Lite: ODL: E340/Air/ i89 - DS 1" Blind Up	0.118	0.028(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.23	0.03	0.03				
117	1/2 Lite: ODL: E366/Air/ i89 - DS 1" Blind Up	0.118	0.02(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.23	0.03	0.05				
118	1/2 Lite: ODL: Clear/Air/Clear - DS 1" Blind Down (White)	0.118		0.750	AIR	0.118						BG	CU-D	N	0.26	0.08	0.07				
119	1/2 Lite: ODL: E272/Air/Clear - DS 1" Blind Down (White)	0.117	0.042(#2)	0.750	AIR	0.118						BG	CU-D	N	0.24	0.05	0.06				
120	1/2 Lite: ODL: E270/Air/Clear - DS 1" Blind Down (White)	0.118	0.035(#2)	0.750	AIR	0.118						BG	CU-D	N	0.24	0.04	0.06				
121	1/2 Lite: ODL: E340/Air/Clear - DS 1" Blind Down (White)	0.118	0.028(#2)	0.750	AIR	0.118						BG	CU-D	N	0.24	0.03	0.03				

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
122	1/2 Lite: ODL: E366/Air/Clear - DS 1" Blind Down (White)	0.118	0.02(#2)	0.750	AIR	0.118						BG	CU-D	N	0.24	0.03	0.06				
123	1/2 Lite: ODL: E272/Air/ i89 - DS 1" Blind Down (White)	0.117	0.042(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.23	0.04	0.06				
124	1/2 Lite: ODL: E270/Air/ i89 - DS 1" Blind Down (White)	0.118	0.035(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.23	0.04	0.06				
125	1/2 Lite: ODL: E340/Air/ i89 - DS 1" Blind Down (White)	0.118	0.028(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.23	0.03	0.03				
126	1/2 Lite: ODL: E366/Air/ i89 - DS 1" Blind Down (White)	0.118	0.02(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.23	0.03	0.05				
127	1/2 Lite: ODL: Clear/Air/Clear - DS 1" Wrought Iron	0.118		0.750	AIR	0.118						CL	A1-D	G	0.26			0.11	0.09		
128	1/2 Lite: ODL: E270/Air/Clear - DS 1" Wrought Iron	0.118	0.035(#2)	0.750	AIR	0.118						CL	A1-D	G	0.24			0.06	0.07		
129	1/2 Lite: ODL: E366/Air/Clear - DS 1" Wrought Iron	0.118	0.02(#2)	0.750	AIR	0.118						CL	A1-D	G	0.24			0.05	0.07		
130	1/2 Lite: ODL: YEA/Air/Clear - DS 1" Wrought Iron	0.126	0.162(#2)	0.750	AIR	0.123						CL	A1-D	G	0.25			0.10	0.08		
131	1/2 Lite: Weier: Optilite 1,1 Plus/Argon/Clear - DS 1"	0.125	0.057(#2)	0.313	AIR	0.125	0.057(#4)					CL	A1-D	N,S	0.23	0.08	0.10	0.09	0.08		
132	3/4 Lite: ODL: Clear/Air/Clear - DS 0.54"	0.123		0.290	AIR	0.123						CL	CU-D	N,S	0.28	0.14	0.14	0.15	0.12		
133	3/4 Lite: ODL: CS73/Air/Clear - DS 0.54"	0.123	0.148(#2)	0.290	AIR	0.123						CL	CU-D	N,S	0.26	0.12	0.13	0.13	0.10		

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
134	3/4 Lite: ODL: Clear/Air/Clear - DS 1"	0.123		0.758	AIR	0.123						CL	CU-D	N,G,S	0.27	0.14	0.14	0.15	0.12		
135	3/4 Lite: ODL: CS73/Air/Clear - DS 1"	0.123	0.148(#2)	0.758	AIR	0.123						CL	CU-D	N,G,S	0.25	0.12	0.13	0.13	0.10		
136	3/4 Lite: ODL: E270/Air/Clear - DS 1"	0.118	0.035(#2)	0.758	AIR	0.118						CL	CU-D	N,G,S	0.25	0.07	0.12	0.08	0.10		
137	3/4 Lite: ODL: E366/Air/Clear - DS 1"	0.118	0.02(#2)	0.758	AIR	0.118						CL	CU-D	N,G,S	0.24	0.06	0.11	0.06	0.09		
138	3/4 Lite: ODL: Clear/Air/Clear - DS-4mm (Geo-TEX Textured) 1"	0.123		0.696	AIR	0.151						CL	CU-D	N	0.27	0.14	0.14				
139	3/4 Lite: ODL: CS73/Air/Clear - DS-4mm (Geo-TEX Textured) 1"	0.123	0.148(#2)	0.696	AIR	0.151						CL	CU-D	N	0.25	0.12	0.13				
140	3/4 Lite: ODL: E270/Air/Clear - DS-4mm (Geo-TEX Textured) 1"	0.118	0.035(#2)	0.696	AIR	0.151						CL	CU-D	N	0.24	0.07	0.12				
141	3/4 Lite: ODL: E366/Air/Clear - DS-4mm (Geo-TEX Textured) 1"	0.118	0.02(#2)	0.696	AIR	0.151						CL	CU-D	N	0.24	0.06	0.11				
142	3/4 Lite: ODL: Clear/Air/Clear - DS-4mm (Cumulus, Mosiac, Vapor Textured) 1-1/64"	0.117		0.728	AIR	0.151						CL	CU-D	N	0.27	0.14	0.14				
143	3/4 Lite: ODL: CS73/Air/Clear - DS-4mm (Cumulus, Mosiac, Vapor Textured) 1-1/64"	0.123	0.148(#2)	0.728	AIR	0.151						CL	CU-D	N	0.25	0.12	0.13				
144	3/4 Lite: ODL: E270/Air/Clear - DS-4mm (Cumulus, Mosiac, Vapor Textured) 1-1/64"	0.118	0.035(#2)	0.728	AIR	0.151						CL	CU-D	N	0.24	0.07	0.12				

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
145	3/4 Lite: ODL: E366/Air/Clear - DS-4mm (Cumulus, Mosaic, Vapor Textured) 1-1/64"	0.118	0.02(#2)	0.728	AIR	0.151						CL	CU-D	N	0.24	0.06	0.11				
146	3/4 Lite: ODL: Clear/Air/Clear (SDL) - DS 3/4"	0.117		0.500	AIR	0.117						CL	CU-D	S	0.27					0.14	0.09
147	3/4 Lite: ODL: CS73/Air/Clear (SDL) - DS 3/4"	0.123	0.148(#2)	0.500	AIR	0.123						CL	CU-D	S	0.25					0.12	0.09
148	3/4 Lite: ODL: E366/Air/Clear (SDL) - DS 3/4"	0.118	0.02(#2)	0.500	AIR	0.118						CL	CU-D	S	0.24					0.05	0.07
149	3/4 Lite: ODL: Clear/Air/Clear (SDL) - DS 1-1/16"	0.123		0.813	AIR	0.123						CL	A1-S	S	0.28			0.15	0.12		
150	3/4 Lite: ODL: CS73/Air/Clear (SDL) - DS 1-1/16"	0.123	0.148(#2)	0.813	AIR	0.123						CL	A1-S	S	0.27			0.13	0.10		
151	3/4 Lite: ODL: E366/Air/Clear (SDL) - DS 1-1/16"	0.118	0.02(#2)	0.813	AIR	0.118						CL	A1-S	S	0.26			0.06	0.09		
152	3/4 Lite: ODL: Clear/Air/Deco/Air/Clear - DS 1" Caming	0.123		0.313	AIR	0.123		0.313	AIR	0.123		CL	A5-S	G	0.25			0.13	0.10		
153	3/4 Lite: ODL: E270/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.035(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.24			0.07	0.08		
154	3/4 Lite: ODL: E366/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.02(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.24			0.06	0.08		

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
155	3/4 Lite: ODL: YEA/Air/Deco/Air/Clear - DS 1" Caming	0.126	0.162(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A5-S	G	0.24			0.12	0.09		
156	3/4 Lite: ODL: Clear/Air/Deco/Air/Clear - DS 1" Caming	0.123		0.313	AIR	0.123		0.313	AIR	0.123		CL	A1-D	G	0.27			0.13	0.10		
157	3/4 Lite: ODL: E270/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.035(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.25			0.07	0.08		
158	3/4 Lite: ODL: E366/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.02(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.25			0.06	0.08		
159	3/4 Lite: ODL: YEA/Air/Deco/Air/Clear - DS 1" Caming	0.126	0.162(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.26			0.12	0.09		
160	3/4 Lite: ODL: LAMI/Air/Deco/Air/Clear - 9mm-DS-DS 1" Impact Caming	0.339		0.205	AIR	0.118		0.205	AIR	0.118		CL	A5-D	G	0.29			0.12	0.09		
161	3/4 Lite: ODL: LAMI/Air/Clear - DS 31/32" Impact	0.339		0.500	AIR	0.118						CL	A1-D	N	0.31	0.12	0.13				
162	3/4 Lite: ODL: LAMI/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	N	0.30	0.12	0.13				
163	3/4 Lite: ODL: LAMI/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	G	0.32			0.13	0.11		

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
164	3/4 Lite: ODL: LAMI-E180/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	N	0.30	0.11	0.13				
165	3/4 Lite: ODL: LAMI-E180/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	G	0.33			0.11	0.11		
166	3/4 Lite: ODL: LAMI/Air/Clear - DS 1-1/4" Impact Blind Up	0.339		0.813	AIR	0.118						BG	CU-D	N	0.31	0.09	0.09				
167	3/4 Lite: ODL: Lami-E180/Air/Clear - DS 1-1/4" Impact Blind Up	0.339		0.813	AIR	0.118						BG	CU-D	N	0.31	0.08	0.09				
168	3/4 Lite: ODL: LAMI/Air/Clear - DS 1-1/4" Impact Blind Down(White)	0.339		0.813	AIR	0.118						BG	CU-D	N	0.31	0.09	0.09				
169	3/4 Lite: ODL: Lami-E180/Air/Clear - DS 1-1/4" Impact Blind Down(White)	0.339		0.813	AIR	0.118						BG	CU-D	N	0.31	0.08	0.09				
170	3/4 Lite: ODL: Clear/Air/Clear - DS 1" Blind Up	0.118		0.750	AIR	0.118						BG	CU-D	N	0.28	0.10	0.10				
171	3/4 Lite: ODL: E272/Air/Clear - DS 1" Blind Up	0.117	0.042(#2)	0.750	AIR	0.118						BG	CU-D	N	0.26	0.06	0.08				
172	3/4 Lite: ODL: E270/Air/Clear - DS 1" Blind Up	0.118	0.035(#2)	0.750	AIR	0.118						BG	CU-D	N	0.26	0.05	0.08				
173	3/4 Lite: ODL: E340/Air/Clear - DS 1" Blind Up	0.118	0.028(#2)	0.750	AIR	0.118						BG	CU-D	N	0.26	0.03	0.05				
174	3/4 Lite: ODL: E366/Air/Clear - DS 1" Blind Up	0.118	0.02(#2)	0.750	AIR	0.118						BG	CU-D	N	0.26	0.04	0.08				
175	3/4 Lite: ODL: E272/Air/ i89 - DS 1" Blind Up	0.117	0.042(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.24	0.06	0.08				

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SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
176	3/4 Lite: ODL: E270/Air/ i89 - DS 1" Blind Up	0.118	0.035(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.24	0.05	0.08				
177	3/4 Lite: ODL: E340/Air/ i89 - DS 1" Blind Up	0.118	0.028(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.24	0.03	0.04				
178	3/4 Lite: ODL: E366/Air/ i89 - DS 1" Blind Up	0.118	0.02(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.24	0.04	0.07				
179	3/4 Lite: ODL: Clear/Air/Clear - DS 1" Blind Down (White)	0.118		0.750	AIR	0.118						BG	CU-D	N	0.28	0.10	0.10				
180	3/4 Lite: ODL: E272/Air/Clear - DS 1" Blind Down (White)	0.117	0.042(#2)	0.750	AIR	0.118						BG	CU-D	N	0.26	0.06	0.08				
181	3/4 Lite: ODL: E270/Air/Clear - DS 1" Blind Down (White)	0.118	0.035(#2)	0.750	AIR	0.118						BG	CU-D	N	0.26	0.05	0.08				
182	3/4 Lite: ODL: E340/Air/Clear - DS 1" Blind Down (White)	0.118	0.028(#2)	0.750	AIR	0.118						BG	CU-D	N	0.26	0.03	0.05				
183	3/4 Lite: ODL: E366/Air/Clear - DS 1" Blind Down (White)	0.118	0.02(#2)	0.750	AIR	0.118						BG	CU-D	N	0.26	0.04	0.08				
184	3/4 Lite: ODL: E272/Air/ i89 - DS 1" Blind Down (White)	0.117	0.042(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.24	0.06	0.08				
185	3/4 Lite: ODL: E270/Air/ i89 - DS 1" Blind Down (White)	0.118	0.035(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.24	0.05	0.08				
186	3/4 Lite: ODL: E340/Air/ i89 - DS 1" Blind Down (White)	0.118	0.028(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.24	0.03	0.04				
187	3/4 Lite: ODL: E366/Air/ i89 - DS 1" Blind Down (White)	0.118	0.02(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.24	0.04	0.07				

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SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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-ft ² -F)	SHGC - No Grids	VT - No Grids	SHGC - Grids < 1"	VT - Grids < 1"	SHGC - Grids > 1"	VT - Grids > 1"
188	3/4 Lite: ODL: Clear/Air/Clear - DS 1" Wrought Iron	0.118		0.750	AIR	0.118						CL	A1-D	G	0.28			0.15	0.12		
189	3/4 Lite: ODL: E270/Air/Clear - DS 1" Wrought Iron	0.118	0.035(#2)	0.750	AIR	0.118						CL	A1-D	G	0.26			0.08	0.10		
190	3/4 Lite: ODL: E366/Air/Clear - DS 1" Wrought Iron	0.118	0.02(#2)	0.750	AIR	0.118						CL	A1-D	G	0.26			0.06	0.09		
191	3/4 Lite: ODL: YEA/Air/Clear - DS 1" Wrought Iron	0.126	0.162(#2)	0.750	AIR	0.123						CL	A1-D	G	0.26			0.13	0.11		
192	3/4 Lite: Weier: Optilite 1,1 Plus/Argon/Clear - DS 1"	0.125	0.057(#2)	0.313	AIR	0.125	0.057(#4)					CL	A1-D	N,S	0.25	0.11	0.14	0.12	0.11		
193	Full Lite: ODL: Clear/Air/Clear - DS 0.54"	0.123		0.290	AIR	0.123						CL	CU-D	N,S	0.31	0.19	0.19	0.21	0.16		
194	Full Lite: ODL: CS73/Air/Clear - DS 0.54"	0.123	0.148(#2)	0.290	AIR	0.123						CL	CU-D	N,S	0.29	0.16	0.17	0.17	0.14		
195	Full Lite: ODL: Clear/Air/Clear - DS 1"	0.123		0.758	AIR	0.123						CL	CU-D	N,G,S	0.30	0.19	0.19	0.21	0.16		
196	Full Lite: ODL: CS73/Air/Clear - DS 1"	0.123	0.148(#2)	0.758	AIR	0.123						CL	CU-D	N,G,S	0.27	0.16	0.17	0.17	0.14		
197	Full Lite: ODL: E270/Air/Clear - DS 1"	0.118	0.035(#2)	0.758	AIR	0.118						CL	CU-D	N,G,S	0.26	0.09	0.16	0.10	0.13		
198	Full Lite: ODL: E366/Air/Clear - DS 1"	0.118	0.02(#2)	0.758	AIR	0.118						CL	CU-D	N,G,S	0.26	0.07	0.15	0.08	0.12		
199	Full Lite: ODL: Clear/Air/Clear - DS-4mm (Geo-Text Textured) 1"	0.123		0.696	AIR	0.151						CL	CU-D	N	0.30	0.19	0.19				

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SIMULATION RESULTS

TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
200	Full Lite: ODL: CS73/Air/Clear - DS-4mm (Geo-TEX Textured) 1"	0.123	0.148(#2)	0.696	AIR	0.151						CL	CU-D	N	0.27	0.16	0.17				
201	Full Lite: ODL: E270/Air/Clear - DS-4mm (Geo-TEX Textured) 1"	0.118	0.035(#2)	0.696	AIR	0.151						CL	CU-D	N	0.26	0.09	0.16				
202	Full Lite: ODL: E366/Air/Clear - DS-4mm (Geo-TEX Textured) 1"	0.118	0.02(#2)	0.696	AIR	0.151						CL	CU-D	N	0.26	0.07	0.15				
203	Full Lite: ODL: Clear/Air/Clear - DS-4mm (Cumulus, Mosiac, Vapor Textured) 1-1/64"	0.117		0.728	AIR	0.151						CL	CU-D	N	0.30	0.19	0.19				
204	Full Lite: ODL: CS73/Air/Clear - DS-4mm (Cumulus, Mosiac, Vapor Textured) 1-1/64"	0.123	0.148(#2)	0.728	AIR	0.151						CL	CU-D	N	0.27	0.16	0.17				
205	Full Lite: ODL: E270/Air/Clear - DS-4mm (Cumulus, Mosiac, Vapor Textured) 1-1/64"	0.118	0.035(#2)	0.728	AIR	0.151						CL	CU-D	N	0.26	0.09	0.16				
206	Full Lite: ODL: E366/Air/Clear - DS-4mm (Cumulus, Mosiac, Vapor Textured) 1-1/64"	0.118	0.02(#2)	0.728	AIR	0.151						CL	CU-D	N	0.26	0.07	0.15				
207	Full Lite: ODL: Clear/Air/Clear (SDL) - DS 3/4"	0.117		0.500	AIR	0.117						CL	CU-D	S	0.30					0.19	0.13
208	Full Lite: ODL: CS73/Air/Clear (SDL) - DS 3/4"	0.123	0.148(#2)	0.500	AIR	0.123						CL	CU-D	S	0.27					0.16	0.12
209	Full Lite: ODL: E366/Air/Clear (SDL) - DS 3/4"	0.118	0.02(#2)	0.500	AIR	0.118						CL	CU-D	S	0.26					0.07	0.10

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
210	Full Lite: ODL: Clear/Air/Clear (SDL) - DS 1-1/16"	0.123		0.813	AIR	0.123						CL	A1-S	S	0.32			0.21	0.16		
211	Full Lite: ODL: CS73/Air/Clear (SDL) - DS 1-1/16"	0.123	0.148(#2)	0.813	AIR	0.123						CL	A1-S	S	0.29			0.17	0.14		
212	Full Lite: ODL: E366/Air/Clear (SDL) - DS 1-1/16"	0.118	0.02(#2)	0.813	AIR	0.118						CL	A1-S	S	0.28			0.08	0.12		
213	Full Lite: ODL: Clear/Air/Deco/Air/Clear - DS 1" Caming	0.123		0.313	AIR	0.123		0.313	AIR	0.123		CL	A1-D	G	0.29			0.18	0.13		
214	Full Lite: ODL: E270/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.035(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.28			0.09	0.11		
215	Full Lite: ODL: E366/Air/Deco/Air/Clear - DS 1" Caming	0.118	0.02(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.28			0.07	0.10		
216	Full Lite: ODL: YEA/Air/Deco/Air/Clear - DS 1" Caming	0.126	0.162(#2)	0.313	AIR	0.118		0.313	AIR	0.118		CL	A1-D	G	0.28			0.16	0.12		
217	Full Lite: ODL: LAMI/Air/Deco/Air/Clear - 9mm-DS-DS 1" Impact Caming	0.339		0.205	AIR	0.118		0.205	AIR	0.118		CL	A5-D	G	0.32			0.16	0.13		
218	Full Lite: ODL: LAMI/Air/Clear - DS 31/32" Impact	0.339		0.500	AIR	0.118						CL	A1-D	N	0.34	0.16	0.18				
219	Full Lite: ODL: LAMI/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	N	0.33	0.16	0.18				

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
220	Full Lite: ODL: LAMI/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	G	0.37			0.18	0.15		
221	Full Lite: ODL: LAMI-E180/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	N	0.34	0.14	0.17				
222	Full Lite: ODL: LAMI-E180/Air/Clear - DS 63/64" Impact	0.339		0.509	AIR	0.118						CL	CU-D	G	0.37			0.15	0.14		
223	Full Lite: ODL: LAMI/Air/Clear - DS 1-1/4" Impact Blind Up	0.339		0.813	AIR	0.118						BG	CU-D	N	0.35	0.12	0.13				
224	Full Lite: ODL: Lami-E180/Air/Clear - DS 1-1/4" Impact Blind Up	0.339		0.813	AIR	0.118						BG	CU-D	N	0.35	0.11	0.12				
225	Full Lite: ODL: LAMI/Air/Clear - DS 1-1/4" Impact Blind Down(White)	0.339		0.813	AIR	0.118						BG	CU-D	N	0.35	0.12	0.13				
226	Full Lite: ODL: Lami-E180/Air/Clear - DS 1-1/4" Impact Blind Down(White)	0.339		0.813	AIR	0.118						BG	CU-D	N	0.35	0.11	0.12				
227	Full Lite: ODL: Clear/Air/Clear - DS 1" Blind Up	0.118		0.750	AIR	0.118						BG	CU-D	N	0.31	0.13	0.13				
228	Full Lite: ODL: E272/Air/Clear - DS 1" Blind Up	0.117	0.042(#2)	0.750	AIR	0.118						BG	CU-D	N	0.28	0.08	0.11				
229	Full Lite: ODL: E270/Air/Clear - DS 1" Blind Up	0.118	0.035(#2)	0.750	AIR	0.118						BG	CU-D	N	0.28	0.07	0.11				
230	Full Lite: ODL: E340/Air/Clear - DS 1" Blind Up	0.118	0.028(#2)	0.750	AIR	0.118						BG	CU-D	N	0.28	0.04	0.06				
231	Full Lite: ODL: E366/Air/Clear - DS 1" Blind Up	0.118	0.02(#2)	0.750	AIR	0.118						BG	CU-D	N	0.28	0.05	0.10				

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
232	Full Lite: ODL: E272/Air/ i89 - DS 1" Blind Up	0.117	0.042(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.26	0.08	0.11				
233	Full Lite: ODL: E270/Air/ i89 - DS 1" Blind Up	0.118	0.035(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.26	0.07	0.11				
234	Full Lite: ODL: E340/Air/ i89 - DS 1" Blind Up	0.118	0.028(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.26	0.04	0.06				
235	Full Lite: ODL: E366/Air/ i89 - DS 1" Blind Up	0.118	0.02(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.26	0.05	0.10				
236	Full Lite: ODL: Clear/Air/Clear - DS 1" Blind Down (White)	0.118		0.750	AIR	0.118						BG	CU-D	N	0.31	0.13	0.13				
237	Full Lite: ODL: E272/Air/Clear - DS 1" Blind Down (White)	0.117	0.042(#2)	0.750	AIR	0.118						BG	CU-D	N	0.28	0.08	0.11				
238	Full Lite: ODL: E270/Air/Clear - DS 1" Blind Down (White)	0.118	0.035(#2)	0.750	AIR	0.118						BG	CU-D	N	0.28	0.07	0.11				
239	Full Lite: ODL: E340/Air/Clear - DS 1" Blind Down (White)	0.118	0.028(#2)	0.750	AIR	0.118						BG	CU-D	N	0.28	0.04	0.06				
240	Full Lite: ODL: E366/Air/Clear - DS 1" Blind Down (White)	0.118	0.02(#2)	0.750	AIR	0.118						BG	CU-D	N	0.28	0.05	0.10				
241	Full Lite: ODL: E272/Air/ i89 - DS 1" Blind Down (White)	0.117	0.042(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.26	0.08	0.11				
242	Full Lite: ODL: E270/Air/ i89 - DS 1" Blind Down (White)	0.118	0.035(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.26	0.07	0.11				
243	Full Lite: ODL: E340/Air/ i89 - DS 1" Blind Down (White)	0.118	0.028(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.26	0.04	0.06				

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TOTAL PRODUCT CALCULATIONS (Steves Steel Sidelite)																					
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"
244	Full Lite: ODL: E366/Air/ i89 - DS 1" Blind Down (White)	0.118	0.02(#2)	0.750	AIR	0.117	0.149(#4)					BG	CU-D	N	0.26	0.05	0.10				
245	Full Lite: ODL: Clear/Air/Clear - DS 1" Wrought Iron	0.118		0.750	AIR	0.118						CL	A1-D	G	0.31			0.21	0.16		
246	Full Lite: ODL: E270/Air/Clear - DS 1" Wrought Iron	0.118	0.035(#2)	0.750	AIR	0.118						CL	A1-D	G	0.28			0.10	0.13		
247	Full Lite: ODL: E366/Air/Clear - DS 1" Wrought Iron	0.118	0.02(#2)	0.750	AIR	0.118						CL	A1-D	G	0.28			0.08	0.12		
248	Full Lite: ODL: YEA/Air/Clear - DS 1" Wrought Iron	0.126	0.162(#2)	0.750	AIR	0.123						CL	A1-D	G	0.29			0.18	0.15		
249	Full Lite: Weier: Optilite 1,1 Plus/Argon/Clear - DS 1"	0.125	0.057(#2)	0.313	AIR	0.125	0.057(#4)					CL	A1-D	N,S	0.27	0.14	0.18	0.16	0.15		
250	1/2 Lite: Weier: 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)					BH	A1-D	N	0.25	0.05	0.05				
251	3/4 Lite: Weier: 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)					BH	A1-D	N	0.27	0.06	0.06				
252	Full Lite: Weier: 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)					BH	A1-D	N	0.29	0.08	0.09				