

[illegible]

								AERCalc 1.3.09 / WINDOW 7.8.28- no automation		AERCalc 1.4.15 / WINDOW 7.8.55 including automation Condensed spectral data + W7 standard basis							
Type	No.	WINDOW Window ID	WINDOW Glazing ID	WINDOW Shading layer ID	WINDOW Material ID	Name / Description	File name	Epc no auto	Eph no auto	Epc no auto	ΔEPc no auto	% diff no auto	Eph no auto	ΔEPh no auto	% diff no auto	Epc Auto	Eph Auto
Roller Shades (RS)	13	3001	3001	7015	N/A	Light colored, low openness, Indoor. Alkenz-Sunshadow 3000 NET 1% N001	Alkenz-Sunshadow 3000	46	-15	46	0.00	0%	-15	-0.20	1%	64	14
	14	3002	3002	7026	N/A	Dark colored, low openness, Indoor Alkenz Sunshadow - 3000 NET 1% N901	SE57.xml	12	12	12	-0.34	-3%	12	0.07	1%	16	28
	15	3003	3003	7007	N/A	Light colored, High openness, Indoor. Alkenz-Sunshadow 3000 NET 5% N001	Alkenz-Sunshadow 3000	42	-13	42	0.03	0%	-13	-0.24	2%	59	13
	16	3004	3004	7005	N/A	Dark colored, High openness, Indoor. Alkenz-Sunshadow 3000 NET 5% N901	Alkenz-Sunshadow 3000	11	11	11	-0.28	-3%	11	0.04	0%	15	27
	17	3005	3005	20024	N/A	Light colored (room facing) low-e (outdoor facing), 4% openness, Indoor. Verosol 805 000-SE42	Verosol 805 000-SE42rev.xml	41	-1	41	-0.07	0%	-1	-0.21	16%	58	29
	18	3006	3006	7015	N/A	Light colored, low openness, Outdoor. Alkenz-Sunshadow 3000 NET 1% N001	Alkenz-Sunshadow 3000	55	-20	56	0.09	0%	-21	-0.18	1%	78	14
	19	3007	3007	7026	N/A	Dark colored, low openness, Outdoor. Sunshadow - 3000 NET 1% N901	SE57.xml	55	-21	55	0.09	0%	-21	-0.18	1%	76	13
	20	3008	3008	7007	N/A	Light colored, High openness, Outdoor. Alkenz-Sunshadow 3000 NET 5% N001	Alkenz-Sunshadow 3000	51	-16	51	0.10	0%	-16	-0.17	1%	71	15
	21	3009	3009	7005	N/A	Dark colored, High openness, Outdoor. Alkenz-Sunshadow 3000 NET 5% N901	Alkenz-Sunshadow 3000	53	-20	53	0.09	0%	-20	-0.17	1%	74	13
	22	3010	3010	7015	N/A	Light colored, low openness, Indoor, sealed. Alkenz-Sunshadow 3000 NET 1% N001	Alkenz-Sunshadow 3000	46	-13	46	0.12	0%	-14	-0.19	1%	65	16
	23	3011	3011	7026	N/A	Dark colored, low openness, Outdoor, sealed Sunshadow - 3000 NET 1% N901	SE57.xml	54	-20	55	0.10	0%	-20	-0.17	1%	76	14
Solar Screens (SS)		4001	4001	7015	N/A	Light colored, low openness, Indoor. Alkenz-Sunshadow 3000 NET 1% N001	Alkenz-Sunshadow 3000	67	-29	67	-0.03	0%	-29	-0.33	1%	N/A	N/A
		4002	4002	7026	N/A	Dark colored, low openness, Indoor Alkenz Sunshadow - 3000 NET 1% N901	SE57.xml	17	20	17	-0.50	-3%	20	0.16	1%	N/A	N/A
		4003	4003	7007	N/A	Light colored, High openness, Indoor. Alkenz-Sunshadow 3000 NET 5% N001	Alkenz-Sunshadow 3000	61	-26	61	0.02	0%	-26	-0.39	2%	N/A	N/A
		4004	4004	7005	N/A	Dark colored, High openness, Indoor. Alkenz-Sunshadow 3000 NET 5% N901	Alkenz-Sunshadow 3000	16	19	16	-0.42	-3%	19	0.10	1%	N/A	N/A
		4005	4005	20024	N/A	Light colored (room facing) low-e (outdoor facing), 4% openness, Indoor. Verosol 805 000-SE42	Verosol 805 000-SE42rev.xml	60	-5	60	-0.11	0%	-5	-0.34	6%	N/A	N/A
		4006	4006	7015	N/A	Light colored, low openness, Outdoor. Alkenz-Sunshadow 3000 NET 1% N001	Alkenz-Sunshadow 3000	80	-40	80	0.10	0%	-40	-0.31	1%	N/A	N/A
		4007	4007	7026	N/A	Dark colored, low openness, Outdoor. Sunshadow - 3000 NET 1% N901	SE57.xml	79	-40	79	0.09	0%	-41	-0.30	1%	N/A	N/A
		4008	4008	7007	N/A	Light colored, High openness, Outdoor. Alkenz-Sunshadow 3000 NET 5% N001	Alkenz-Sunshadow 3000	73	-32	73	0.11	0%	-32	-0.28	1%	N/A	N/A
		4009	4009	7005	N/A	Dark colored, High openness, Outdoor. Alkenz-Sunshadow 3000 NET 5% N901	Alkenz-Sunshadow 3000	76	-38	77	0.10	0%	-38	-0.29	1%	N/A	N/A
		4010	4010	7015	N/A	Light colored, low openness, Indoor, sealed. Alkenz-Sunshadow 3000 NET 1% N001	Alkenz-Sunshadow 3000	67	-27	67	0.15	0%	-27	-0.32	1%	N/A	N/A
		4011	4011	7026	N/A	Dark colored, low openness, Outdoor, sealed Sunshadow - 3000 NET 1% N901	SE57.xml	79	-39	79	0.11	0%	-39	-0.29	1%	N/A	N/A
Window Panel (WP)	35	5001	5001	N/A	102	Clear Glass Window Panel Indoor::WP::I	CLEAR_3.DAT	12	84	15	3.38	22%	84	0.17	0%	N/A	N/A
	36	5002	5002	N/A	2159	Low-e Glass Window Panel Indoor::WP::I	i89-3.CIG	16	104	19	3.36	18%	104	0.21	0%	N/A	N/A
	37	5003	5003	N/A	102	Clear Glass Window Panel Outdoor::WP::O	CLEAR_3.DAT	14	80	14	0.02	0%	80	0.16	0%	N/A	N/A
	38	5004	5004	N/A	2159	Low-e Glass Window Panel Outdoor::WP::O	i89-3.CIG	18	95	21	3.18	15%	95	0.18	0%	N/A	N/A

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Applied Film (AF)	39	6001	6001	N/A	9242	Absorbing Film, Indoor	Natura 28.hct	14	-17	15	0.07	1%	-17	-0.09	1%	N/A	N/A
	40	6002	6002	N/A	19729	Low-e Film, Indoor	VEP35SRCDF.EMN	52	-17	52	0.18	0%	-18	-0.17	1%	N/A	N/A
	41	6003	6003	N/A	9242	Absorbing Film, Outdoor	Natura 28.hct	43	-45	43	0.13	0%	-45	-0.22	0%	N/A	N/A
	42	6004	6004	N/A	19729	Low-e Film, Outdoor	VEP35SRCDF.EMN	59	-57	59	0.15	0%	-58	-0.30	1%	N/A	N/A
Pleated Shade (PS)	43	7001	7001	7001		Light colored Pleated Shade, Low Openness, Indoor	PS01.thmx	31	-2	32	0.81	3%	-3	-0.81	28%	45	19
	44	7002	7002	7002		Light colored Pleated Shade, High Openness, Indoor	PS03.thmx	25	2	26	1.10	4%	1	-0.97	-68%	37	21
Vertical Louvered Blinds (VL)	45	N/A	N/A	N/A	N/A	Vertical slat - Snow 2 inches Crown Light Vertical Blind Indoor	N/A	42	-19	42	0.14	0%	-20	-0.40	2%	N/A	N/A
		8001	8001	8001	31011	Slat angle=0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		8002	8002	8002	31011	Slat angle=45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		8003	8003	8003	31011	Slat angle=-45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		8004	8004	8004	31011	Slat angle=84/Closed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	46	N/A	N/A	N/A	N/A	Vertical slat - Mocha 3.5 inches Dark Fabric Vertical Blind Indoor	N/A	23	-2	23	0.13	1%	-2	-0.33	16%	N/A	N/A
		8005	8005	8005	31010	Slat angle=0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		8006	8006	8006	31010	Slat angle=45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		8007	8007	8007	31010	Slat angle=-45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		8008	8008	8008	31010	Slat angle=84/Closed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller Shutters (ER)	47	10001	10001	60003		BronzeSingleWallSteel::ER::O	SingleSlatBronzeSteel.t hmx	54	-21	55	1.09	2%	-19	2.21	-12%	76	16
	48	10002	10002	60004		WhiteDoubleWallInsulatedAlul::ER::O	WhiteInsulatedSample_ final.thmx	62	-25	62	0.06	0%	-26	-0.21	1%	88	13
Operable Window Quilts (RS)	49	11001	11001	60001	N/A	WindowQuilt_Operable_Light::RS::l::BW-B	WindowQuiltLightFiltye ring.xml	28	6	28	0.10	0%	6	-0.06	-1%	39	28
	50	11002	11002	60002	N/A	WindowQuilt_Operable_Dark::RS::l::BW-B	WindowQuiltRoomDark ening.xml	15	17	13	-1.31	-10%	15	-2.16	-14%	19	34
Fixed Window Quilts (SS)	51	12001	11001	60001	N/A	WindowQuilt_Fixed_Light::SS::l::BW-B	WindowQuiltLightFiltye ring.xml	41	8	41	0.13	0%	8	-0.10	-1%	N/A	N/A
	52	12002	11002	60002	N/A	WindowQuilt_Fixed_Dark::SS::l::BW-B	WindowQuiltRoomDark ening.xml	21	28	20	-1.53	-8%	25	-2.30	-9%	N/A	N/A
Roman Shades (RM)		14001	14001	244	N/A	Roman Shade Full Fold Indoor::RM::l::BW-B	FlatFoldTHM-2.thmx			27	N/A	N/A	8	N/A	N/A	38	31
		14002	14002	245	N/A	Roman Shade Flat Fold Indoor::RM::l::BW-B	FullFoldTHM-2.thmx			36	N/A	N/A	-3	N/A	N/A	50	23

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Awnings Fixed (AY)		13001	100	10003	N/A	Awning 1A Fixed - Dark::AY1A	Sunbrella awning, Black 4608 (SA-45) 2011-	65	-80	85	20.67	24%	-116	-36.32	31%	N/A	N/A
		13002	100	10008	N/A	Awning 1A Fixed - Light::AY1A	Sunbrella awning, Natural 4604 (SA-50)	59	-68	62	3.29	5%	-83	-14.80	18%	N/A	N/A
		13003	100	10003	N/A	Awning 1B Fixed - Dark::AY1B	Sunbrella awning, Black 4608 (SA-45) 2011-	45	-54	62	17.18	28%	-83	-28.77	35%	N/A	N/A
		13004	100	10008	N/A	Awning 1B Fixed - Light::AY1B	Sunbrella awning, Natural 4604 (SA-50)	37	-42	44	7.62	17%	-61	-18.39	30%	N/A	N/A
		13005	100	10003	N/A	Awning 2A Fixed - Dark::AY2A	Sunbrella awning, Black 4608 (SA-45) 2011-	26	-28	39	13.02	33%	-49	-21.33	44%	N/A	N/A
		13006	100	10008	N/A	Awning 2A Fixed - Light::AY2A	Sunbrella awning, Natural 4604 (SA-50)	17	-19	25	8.00	33%	-36	-16.93	47%	N/A	N/A
		13007	100	10003	N/A	Awning 2B Fixed - Dark::AY2B	Sunbrella awning, Black 4608 (SA-45) 2011-	25	-25	37	12.45	33%	-46	-20.51	45%	N/A	N/A
		13008	100	10008	N/A	Awning 2B Fixed - Light::AY2B	Sunbrella awning, Natural 4604 (SA-50)	16	-17	16	0.57	4%	-19	-2.02	11%	N/A	N/A
Awnings Seasonally Fixed (AS)		140	100	10003	N/A	Awning 1A Seasonal - Dark::AS1A	Sunbrella awning, Black 4608 (SA-45) 2011-	45	-21	61	16.50	27%	-32	-10.88	34%	N/A	N/A
		141	100	10008	N/A	Awning 1A Seasonal - Light::AS1A	Sunbrella awning, Natural 4604 (SA-50)	40	-18	43	2.53	6%	-21	-3.20	15%	N/A	N/A
		142	100	10003	N/A	Awning 1B Seasonal - Dark::AS1B	Sunbrella awning, Black 4608 (SA-45) 2011-	30	-14	43	12.97	30%	-22	-7.63	35%	N/A	N/A
		143	100	10008	N/A	Awning 1B Seasonal - Light::AS1B	Sunbrella awning, Natural 4604 (SA-50)	24	-11	30	5.53	19%	-15	-4.12	28%	N/A	N/A
		144	100	10003	N/A	Awning 2A Seasonal - Dark::AS2A	Sunbrella awning, Black 4608 (SA-45) 2011-	17	-7	27	9.35	35%	-12	-5.02	41%	N/A	N/A
		145	100	10008	N/A	Awning 2A Seasonal - Light::AS2A	Sunbrella awning, Natural 4604 (SA-50)	11	-5	16	5.53	34%	-8	-3.50	43%	N/A	N/A
		146	100	10003	N/A	Awning 2B Seasonal - Dark::AS2B	Sunbrella awning, Black 4608 (SA-45) 2011-	16	-7	25	8.88	36%	-11	-4.75	42%	N/A	N/A
		147	100	10008	N/A	Awning 2B Seasonal - Light::AS2B	Sunbrella awning, Natural 4604 (SA-50)	10	-4	15	5.19	34%	-8	-3.36	44%	N/A	N/A
Awnings Operable (AO)		N/A	N/A	N/A	N/A	Awning 1A-1B Operable - Dark	N/A	31	-23	43	12.21	28%	-35	-11.81	34%	N/A	N/A
		13017	100	10003	N/A	Position 1A: AO1A	Sunbrella awning, Black 4608 (SA-45) 2011-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		13018	100	10003	N/A	Position 1B:AO1B	Sunbrella awning, Black 4608 (SA-45) 2011-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	Awning 1A-1B Operable - Light	N/A	26	-18	30	4.61	15%	-25	-6.83	28%	N/A	N/A
		13019	100	10008	N/A	Position 1A: AO1A	Sunbrella awning, Natural 4604 (SA-50)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		13020	100	10008	N/A	Position 1B:AO1B	Sunbrella awning, Natural 4604 (SA-50)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	Awning 2A-2B Operable - Dark	N/A	15	-10	24	8.36	35%	-18	-7.84	43%	N/A	N/A
		13021	100	10003	N/A	Position 2A:AO2A	Sunbrella awning, Black 4608 (SA-45) 2011-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		13022	100	10003	N/A	Position 2B:AO2B	Sunbrella awning, Black 4608 (SA-45) 2011-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		N/A	N/A	N/A	N/A	Awning 2A-2B Operable - Light	N/A	9	-7	14	5.02	35%	-13	-6.03	47%	N/A	N/A
		13023	100	10008	N/A	Position 2A:AO2A	Sunbrella awning, Natural 4604 (SA-50)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		13024	100	10008	N/A	Position 2B:AO2B	Sunbrella awning, Natural 4604 (SA-50)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A