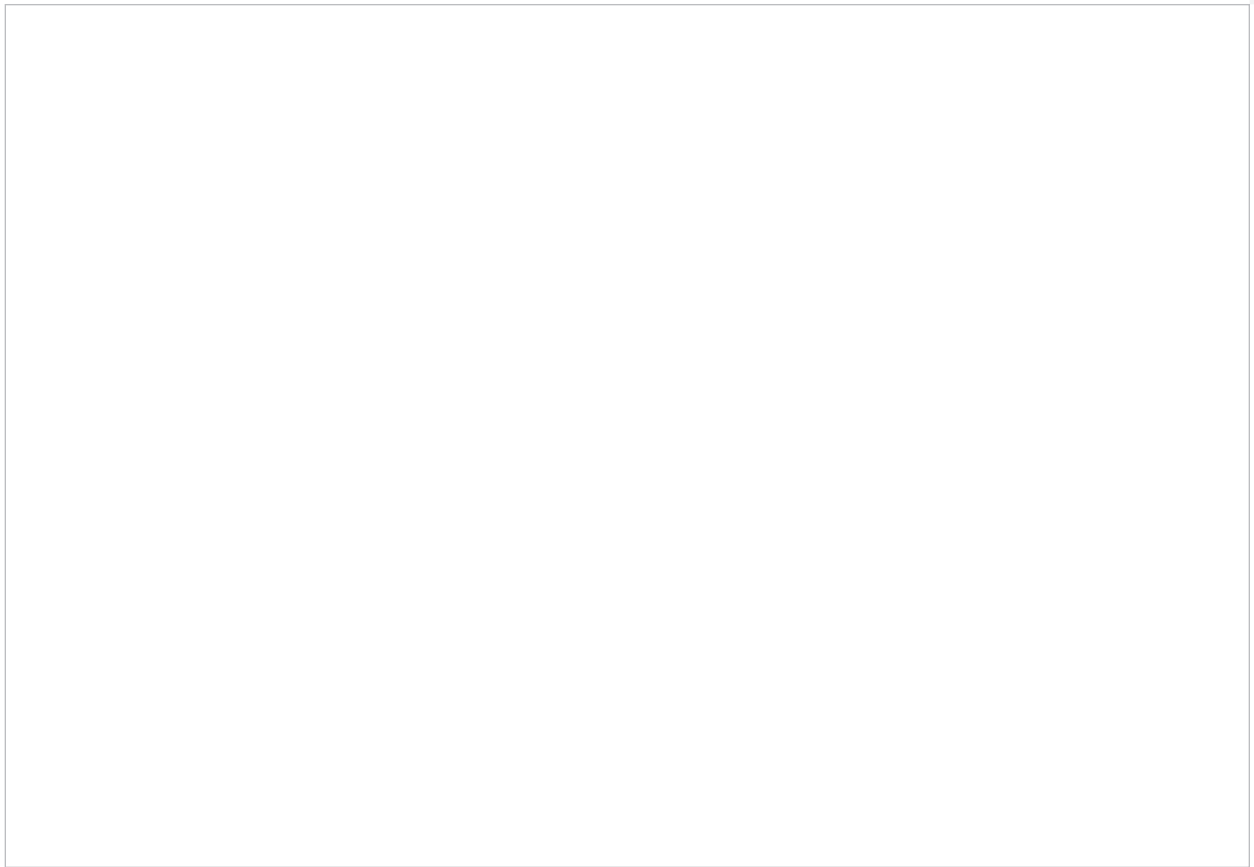


PANORAMA® HILITE® 40



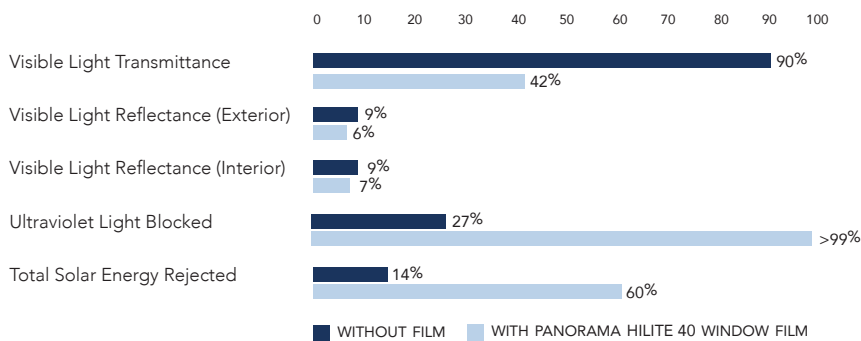
INTERIOR VIEW

PANORAMA® HILITE® 40

Hilite 40 offers increased glare control and added privacy with low reflectance and adequate natural light, while rejecting substantial amounts of solar energy, to keep room temperature comfortable and reduce cooling costs.

Improve the quality of your life by keeping out uncomfortable heat, protecting your furnishings and letting in the view you love, while keeping visual reflectivity minimal.

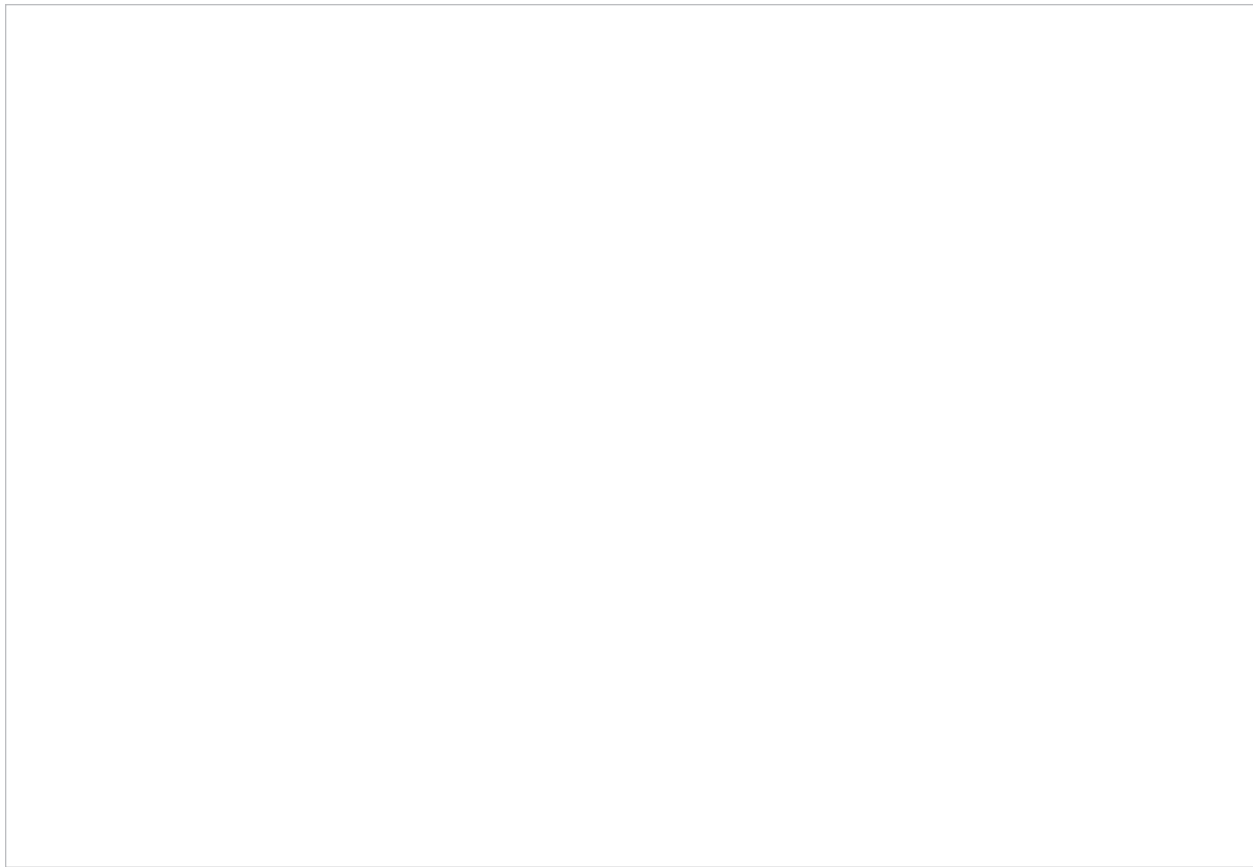
Comparison of performance on 1/8" (3mm) thick clear glass.



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PANORAMA® HILITE® 40



Performance Parameters for Different Window Types

	1/8" (3mm) Single clear		1/4" (6 mm) Single clear		1/8" (3mm) Double clear		1/4" (6mm) Double clear	
	No film	Hilite 40	No film	Hilite 40	No film	Hilite 40	No film	Hilite 40
Visible light								
Transmittance %	90	42	89	41	81	38	79	37
Reflectance exterior %	9	6	9	6	16	13	15	13
Reflectance interior %	9	7	9	7	16	8	15	8
Glare reduction %	-	53	-	53	-	53	-	53
Solar energy								
Transmittance %	83	27	77	26	69	24	61	21
Absorptance %	9	43	16	49	18	49	27	58
Reflectance %	8	30	7	25	13	27	12	21
Total solar energy rejected %	14	60	18	59	24	52	30	51
Infrared rejection @ 780 to 2500 nm % ¹	20	95	28	95	-	-	-	-
Shading coefficient	.98	.46	.94	.47	.87	.55	.81	.56
Solar heat gain coefficient	.86	.40	.82	.41	.76	.48	.70	.49
Light to solar heat gain ratio (VLT/SHGC)	1.05	1.05	1.08	1.02	1.08	.79	1.13	.76
Solar heat gain reduction %	-	53	-	50	-	36	-	31
Thermal energy								
Emissivity	.84	.75	.84	.75	.84	.75	.84	.75
Winter U-factor (Btu hr/ft ² °F)	1.04	.99	1.02	.98	.48	.47	.47	.46
Summer U-factor (Btu hr/ft ² °F)	.94	.89	.92	.88	.50	.49	.50	.48
Winter heat loss reduction %	-	5	-	4	-	2	-	2
Ultraviolet light								
Blocked @ 300 to 380 nm %	27	>99	34	>99	41	>99	50	>99

¹ Infrared rejection = 1 - average unweighted transmittance using ASTM E 903.

EXTERIOR VIEW



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Performance results generated using LBNL Window 7.2 and NFRC standards. For full details and additional information please visit www.solargard.com/panorama.

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