

TvT peer review document for CGDB v36.0

Lawrence Berkeley National Laboratory

May 7, 2025

1 Introduction

This document is a summary of the tolerance testing done for CGDB v36.0. Tolerance testing is an procedure required for AERC approval described in the technical document AERC 1.1 section 5.

Each table has the manufacturer's name at the top, and an x/y indicator which page x out that manufacturer's y total pages is the current.

Note that TvT testing for a product family can be accomplished by testing only the darkest and lightest products.

2 Description of the table columns

Filename Filename of the submitted spectral properties (not the TvTfile)

Type This column will read Full if 18 samples were tested, Partial if at least 6 were tested, else incomplete.

Tolerance The calculated TvT value (in %).

Tmin Minimum T from submitted values. If both Tmin and Tmax are < 0.01 the R values should be used for the median.

Tmax Maximum T from submitted values.

Median Reported median value used for the TvT calc.

Rmin Minimum R from submitted values. A – means R was not reported.

Rmax Maximum R from submitted values.

Note that reported integrated T and R values can be taken using instruments can be different from the Tvis and Rvis obtained from measured spectral data.

Hunter Douglas(1/1)

Filename	Type	Tolerance [%]	Tmin	Tmax	Median	Rmin	Rmax
SN02- 749 Black Onyx Roomside 2024.txt	full	6.836	7.76	8.47	7.98	—	—
SN02- 951 Daisy White Roomside 2024.txt	full	1.201	0.797	0.813	0.807	—	—
SN02- Streetside 2024.txt	full	25.24	65.6	80.9	66	—	—
SN06- 235 Stone Creek Roomside 2024.txt	full	20.34	8.15	10.8	9.54	—	—
SN06- 951 Daisy White Roomside 2024.txt	full	4.47	76.1	80.4	77.1	—	—
SN06- Streetside.txt	full	0.8713	56.4	57.1	56.8	—	—

GALE Pacific(1/1)

Filename	Type	Tolerance [%]	Tmin	Tmax	Median	Rmin	Rmax
Colaroo_90_- HeatShield.txt	full	11.18	0.212	0.245	0.227	—	—
Colaroo_90_- Standard.txt	full	12.72	0.247	0.298	0.268	—	—
Colaroo_95_- HeatShield.txt	full	14.53	0.188	0.226	0.202	—	—
Colaroo_95_- Standard.txt	full	10.18	0.187	0.215	0.207	—	—
Colaroo_Dartmoor_- 90_HeatSheild.txt	full	17.83	0.113	0.154	0.133	—	—
Interior_95_Woven_- mono.txt	full	19.14	0.0542	0.0698	0.0648	—	—
Interior_95_knitted_- mono.txt	full	1.983	0.0384	0.0393	0.0388	—	—
Interior_- WovenJoey_100.txt	full	2.075	0.0331	0.0341	0.0338	—	—
Joey_Stiffened_- Black_1_- HeatShield.txt	full	4.603	0.0265	0.0283	0.0272	—	—
Joey_Uncoated.txt	full	7.608	0.0199	0.0218	0.0209	—	—
Woven_Mono_- 95_HDPE_- HeatShield95.txt	full	1.474	0.0413	0.0421	0.0417	—	—