

FOV Pump CMB Evaluation Result

Development Department		
Approved by	Reviewed by	Prepared by
<div>FL開 '24.07.29 堀本</div>	<div>FL開 '24.07.29 堀本</div>	<div>FL開 '24.07.29 中里</div>

List of Evaluation Results

FOV Pump CMB Evaluation Result

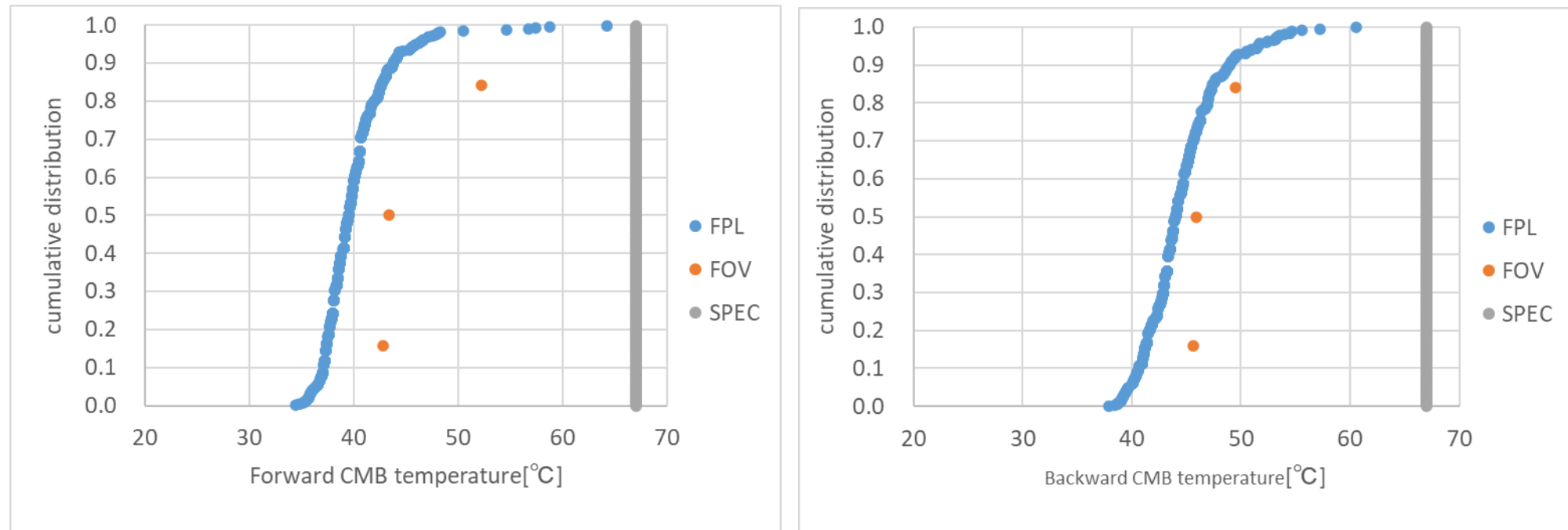
(This is an English translation of the evaluation results submitted to FJK's customers (NTC1-10221(2)), with comments in red added for FOV.)

evaluation item	Evaluation Contents	criterion	Number of N	Judgment Result
Pump CMB stand-alone evaluation (at FOV)	Thermal Properties	Fulfillment of specifications	20	Pass
	Optical Properties	Fulfillment of specifications	forward and backward 10 each	Pass
	appearance	Fulfillment of specifications	20	Pass
	Drop test	No breakage, no fusion point rupture	3	Pass
FLU Assembly Evaluation	Pump CMB section Thermal evaluation	Equivalent to conventional products	3	Pass
	Beam quality (M2)	Equivalent to conventional products	3	Pass
Evaluation of inspection equipment and measuring instruments	cross-checking evaluation (thermal inspection system, optical inspection system)	Must meet specifications	-	Pass

We have confirmed that there are no problems in all evaluation items as described above.

Please start mass production at FOV.

As a final check, we are comparing the data of a completed FLU with FOV components installed. The data below shows that the temperature of the FOV product is a few degrees higher than that of the FPL product, but we judge that this is not a problem because it is within the range of variation expected in our past results and because it is well within the FLU process standard (because this level of difference can occur depending on the variation and characteristics of other FLU components).



FLU mounted evaluation [2].

Similarly, as a final check of FLU characteristics, M2 was compared with FLU incorporating FOV components, and the same characteristics were obtained for M2, confirming that there were no problems.

