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2 **Appendix A** Changes of daily photo irradiance (DPI) of the symmetrical parts in leaf main  
 3 vein at different orientations. All indexes were compared separately, and different letters mean  
 4 significant differences at the 0.05 level with the same trait (Zhang *et al.* 2018).



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6 **Appendix B** Longitudinal scanning of eastern leaf of pima cotton in the field. The upper sides of  
 7 the main vein in the picture is the right side of the leaf, the lower side is the left side of the main  
 8 vein. The middle dehiscent leaf of the eastward leaf was cut from the middle perpendicular to the  
 9 veins, and the tip part of the leaf was fixed to the lens for scanning. The bold red lines represent  
 10 100 μ m.

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