

Supplementary Information for the manuscript “In-situ illumination with inelastic neutron scattering: A study of the photochromic material cis-1,2-dicyano-1,2-bis(2,4,5-trimethyl-3-thienyl)ethene (CMTE)”

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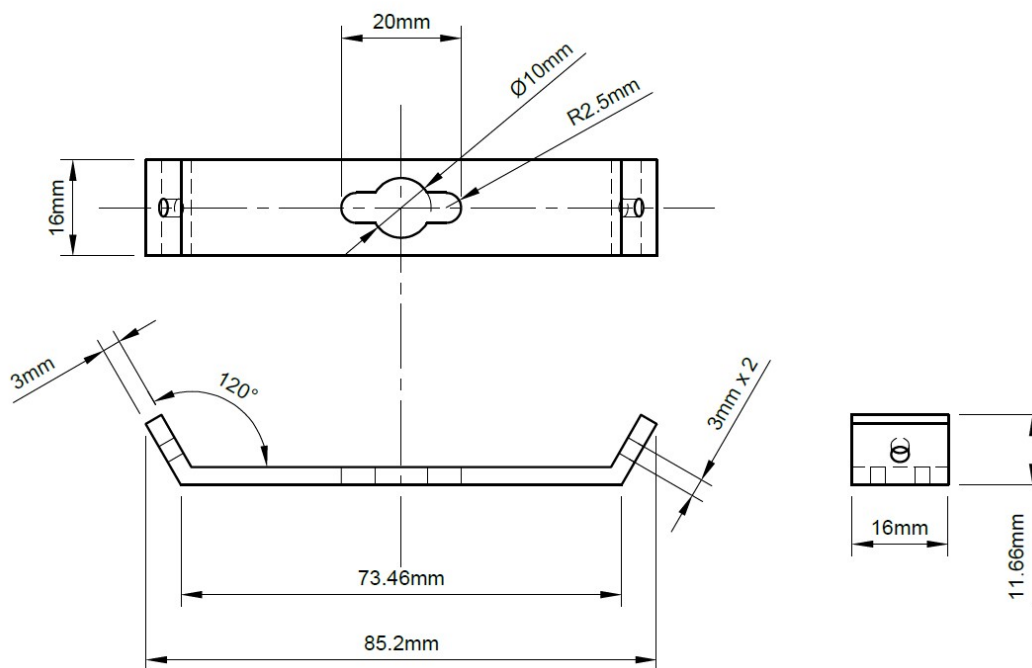


Figure S1 – CAD drawing of the acrylonitrile styrene acrylate 3-D printed bracket used to support the LEDs and associated wiring in the in-situ illumination sample environment.

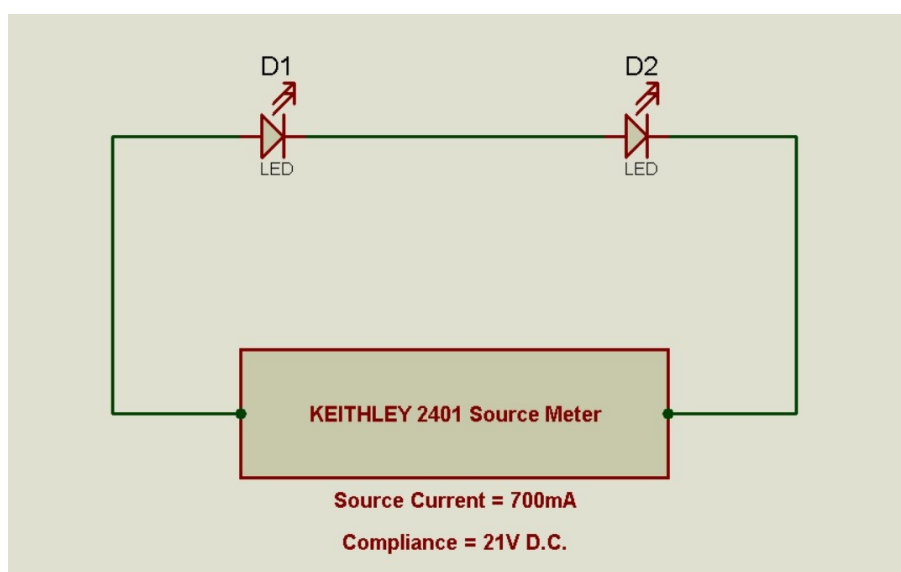


Figure S2 – Circuit diagram of the *in-situ* illumination LED circuit

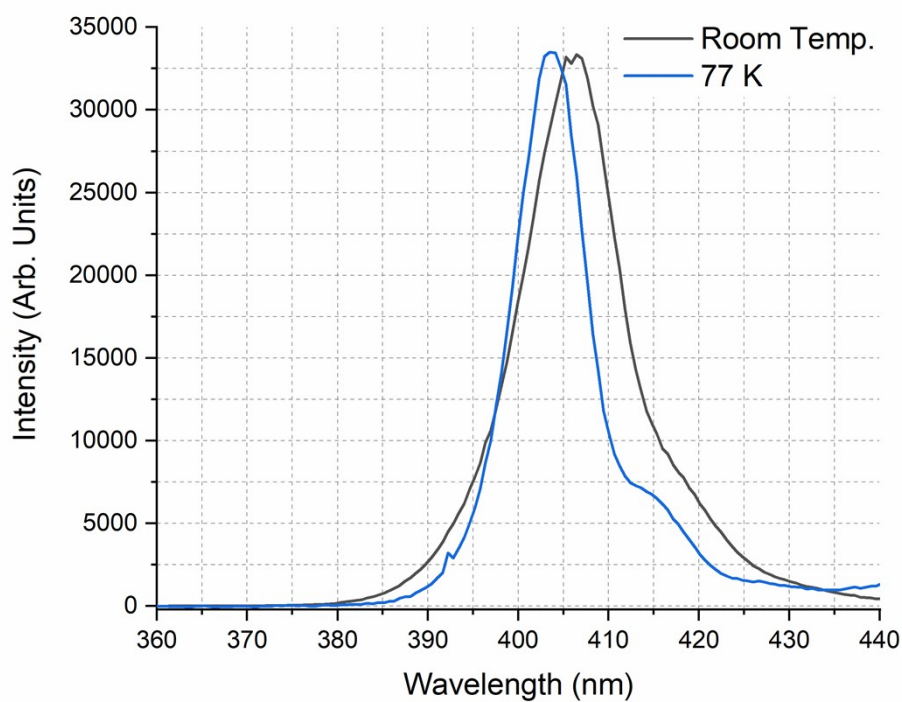


Figure S3 – Emission spectra of the LEDs used with the *in-situ* illumination sample environment showing a small blue-shift in the wavelength at low temperature.

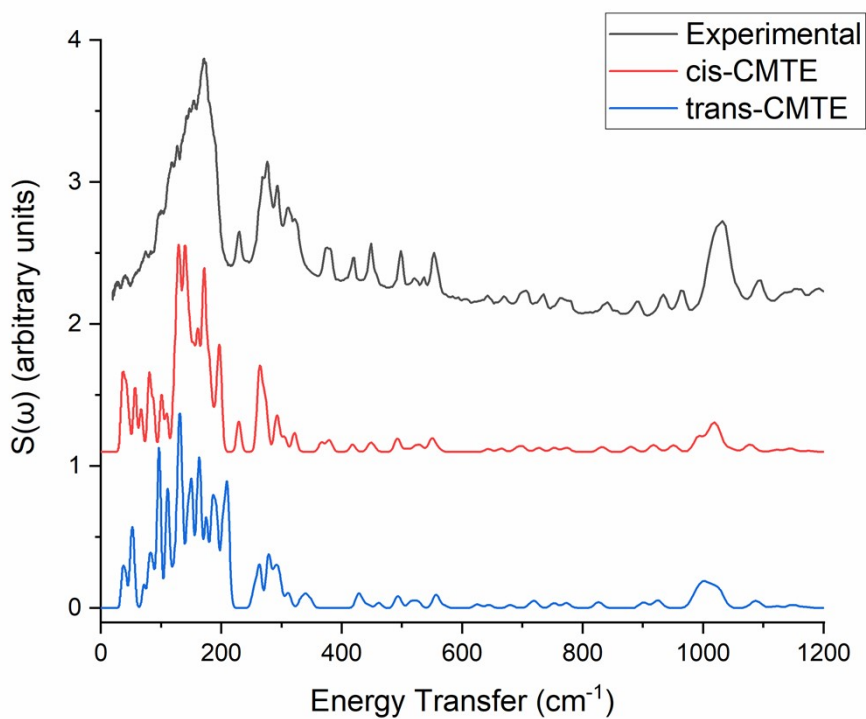


Figure S4 – A comparison of the experimental INS spectrum of unilluminated sample of CMTE (black) with the theoretical spectra of the cis- (red) and trans- (blue) forms of CMTE.