

Results of Solid State Lighting Annex: 2013 Interlaboratory Comparison

SERVICE OVERVIEW

- Testing services for LED lighting, variable message signs, retroreflectors, optical materials, light meters, etc.
- Measurement standard compliance to EN 13032-1, LM-79-08, CIE S 025, EN 12966-1, CIE 054.2-2001
- We are fast: delivery times within 1 week and in 24h with Express service
- Large lighting fixtures: max. dimension and weight of luminaires 3m and 50kg.

REGIONAL IC2013 INTERIM REPORT AND FINAL REPORT

- SSL Resource Oy (rounded) : L462 (Regional), 76 (All 126 participants)

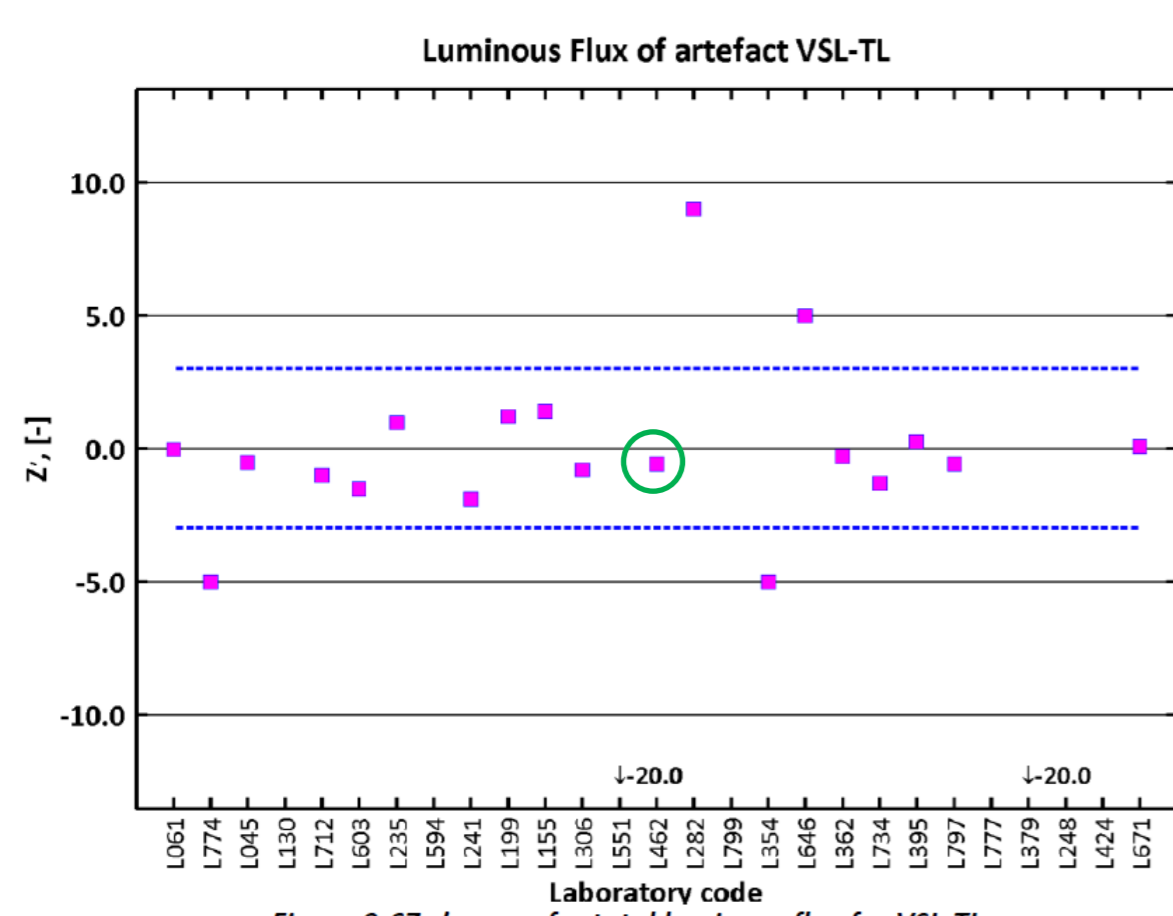


Figure 9-67 z' scores for total luminous flux for VSL-TL.

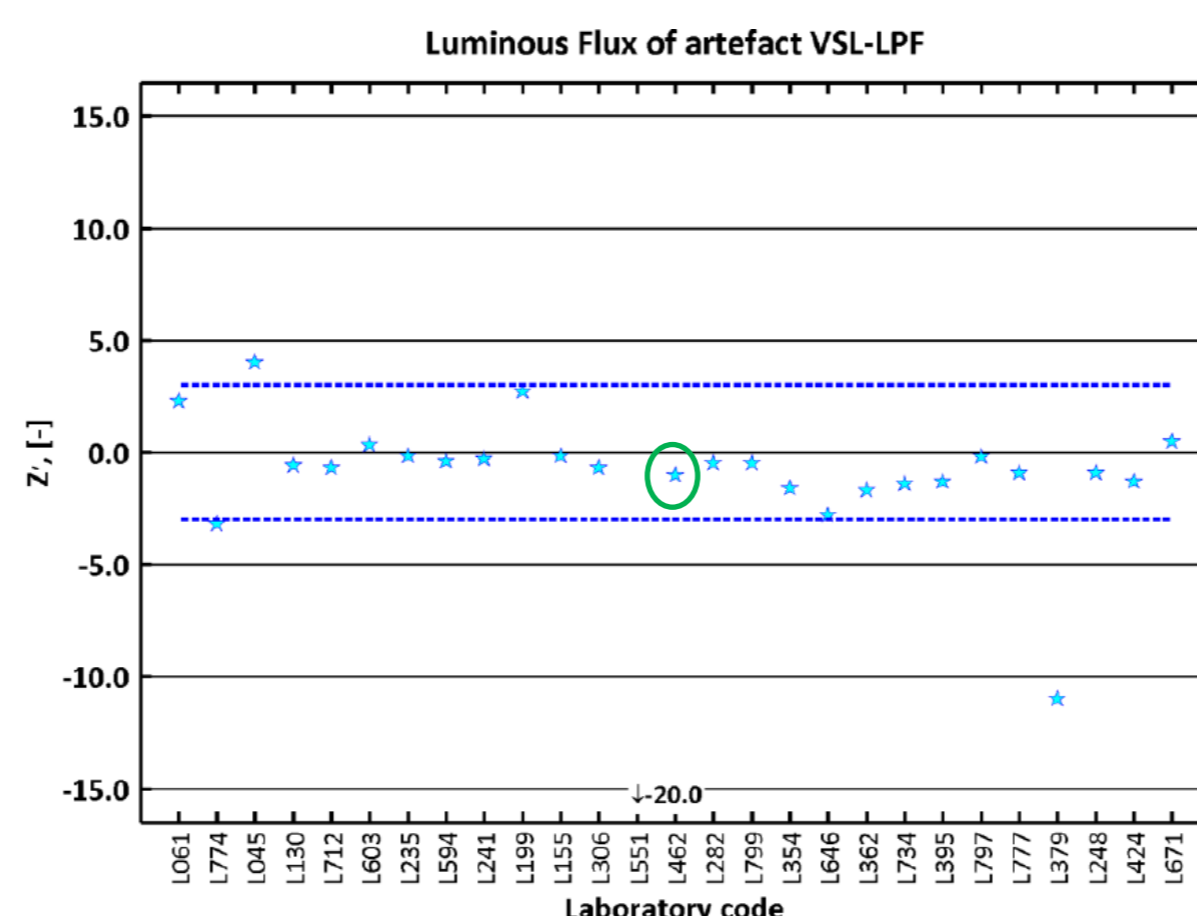


Figure 9-68 z' scores for total luminous flux for VSL-LPF.

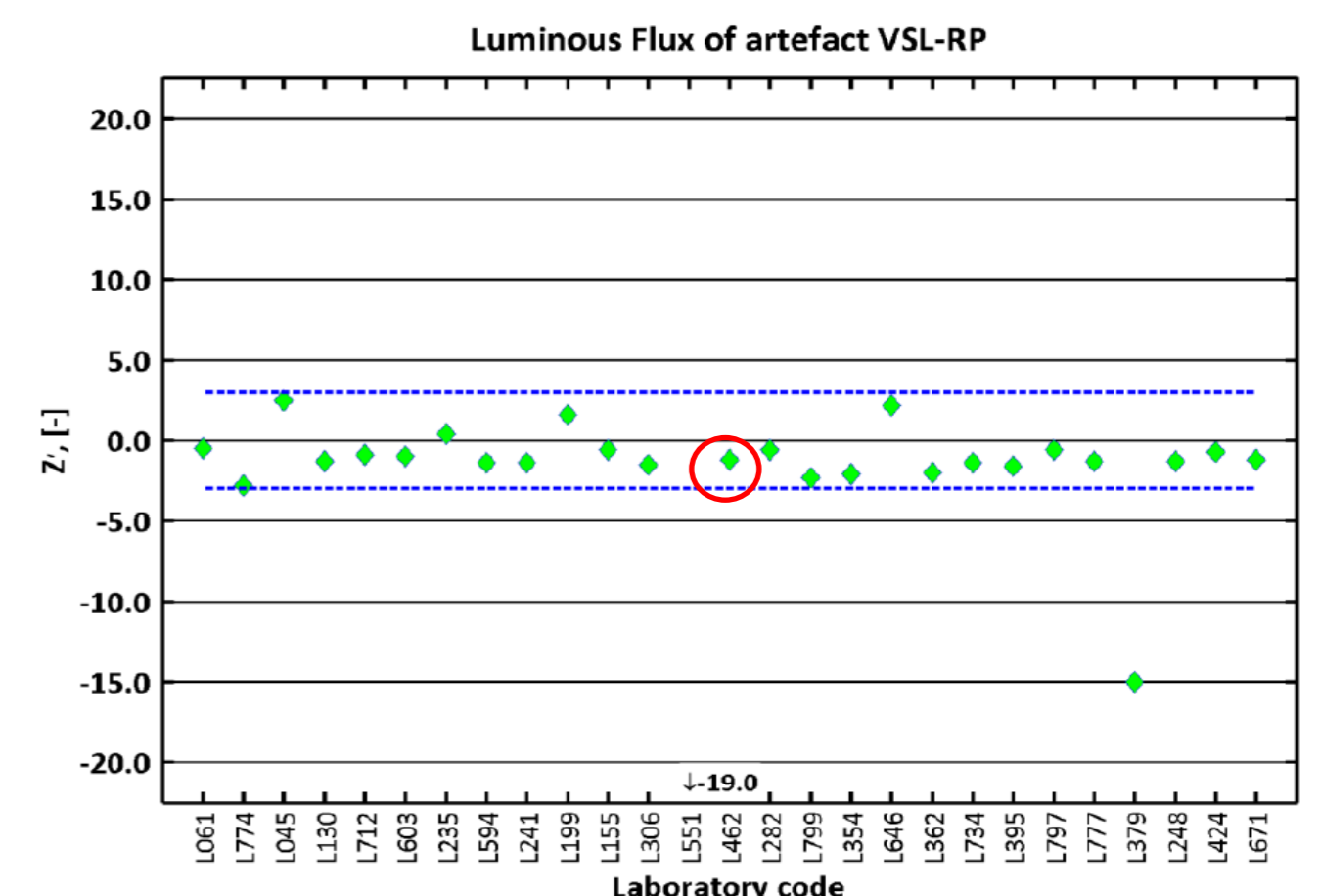


Figure 9-65 z' scores for total luminous flux for VSL-RP.

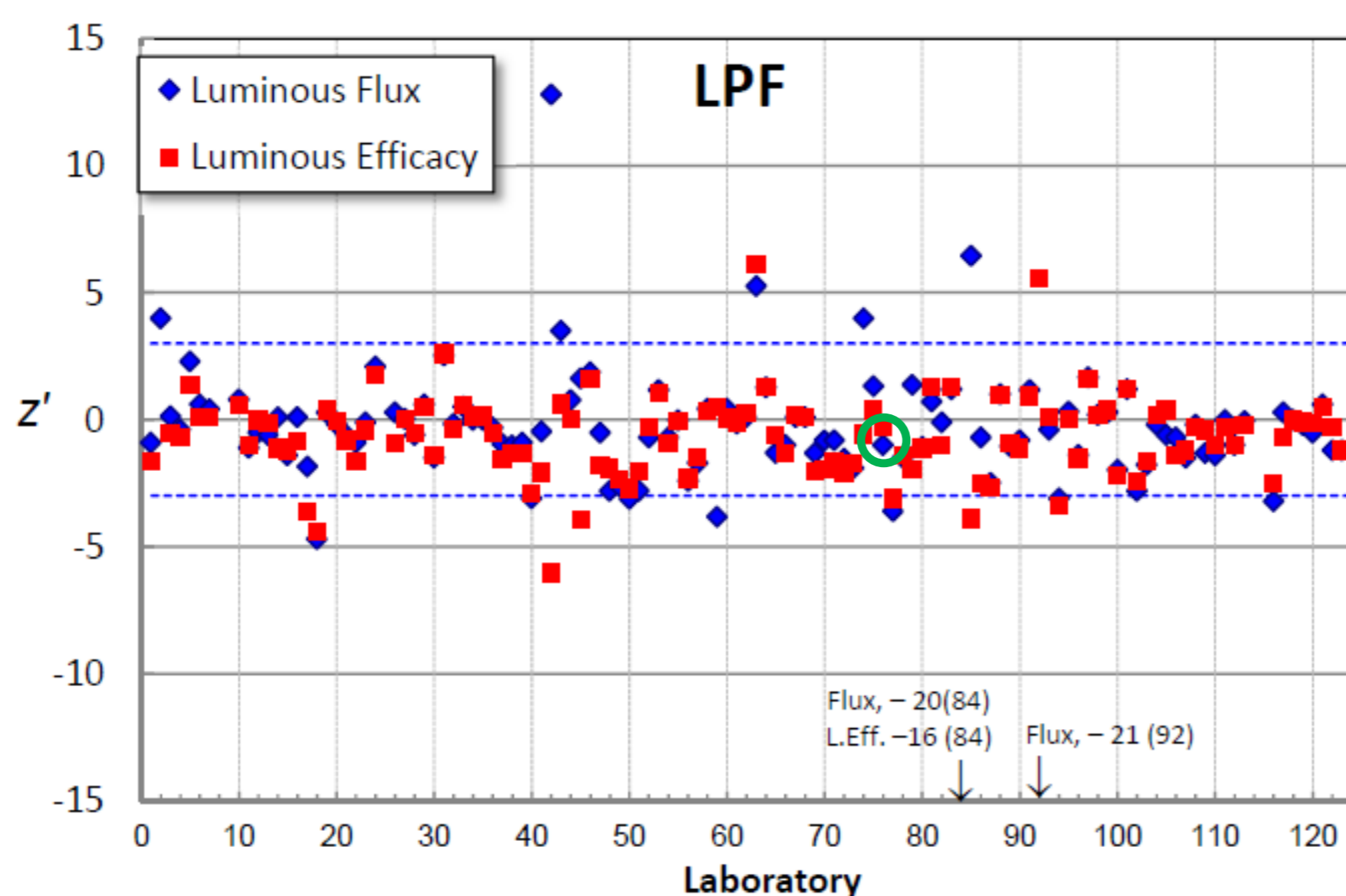


Figure 9-77. z' scores for total luminous flux and luminous efficacy for LPF

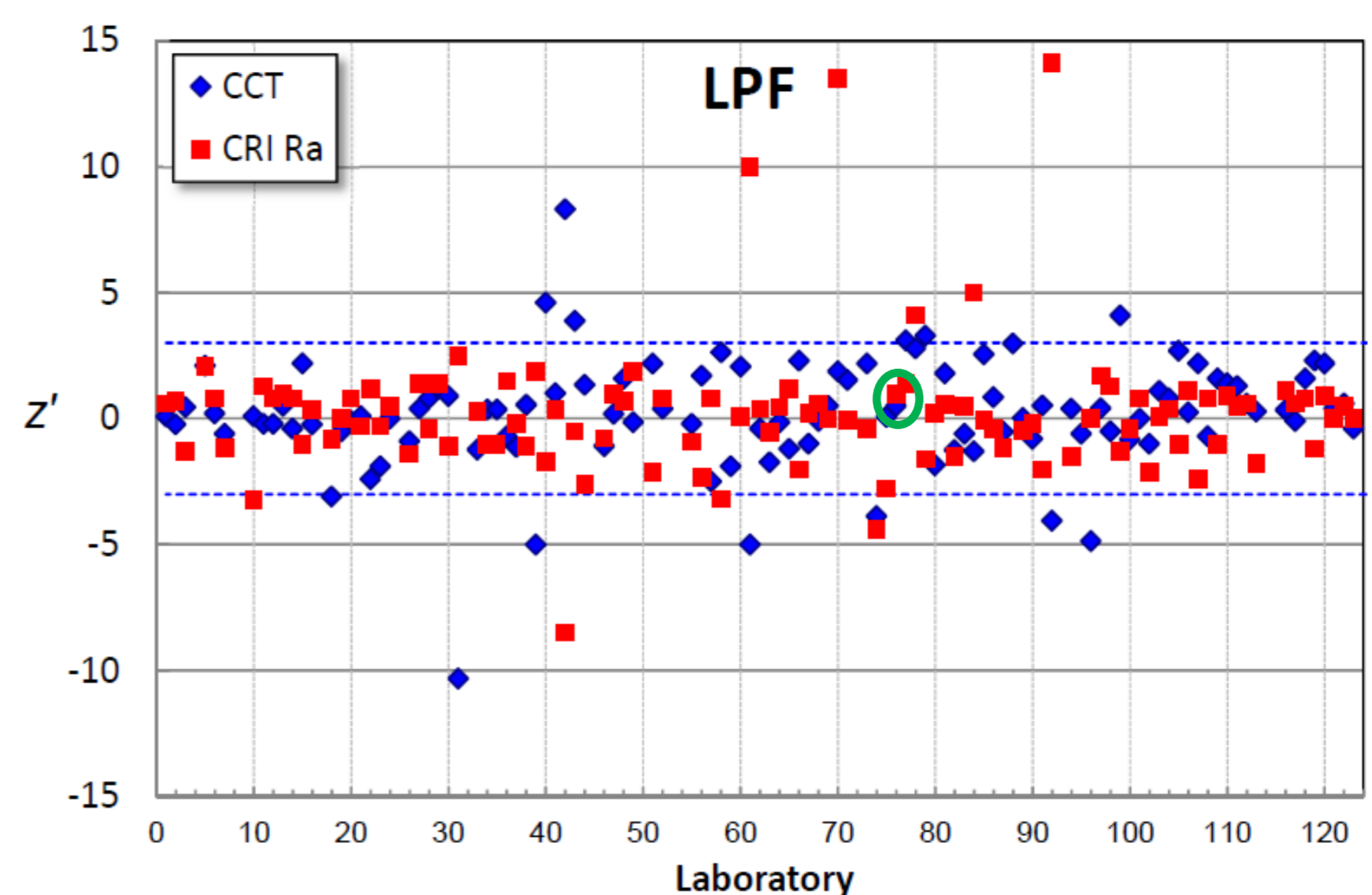


Figure 9-80. z' scores for CCT and CRI Ra for LPF

CONCLUSIONS

- The comparison artefacts were challenging to be measured in terms of spectral and spatial radiation features in order to get more fluctuation in the results.
- SSL Resource Oy participated with a SSL Goniophotometer with excellent results having $z' < 2$ for luminous flux, luminous efficacy, CCT and CRI of all samples.