



Flexible CdTe Solar Cells and Modules

Cooperative Research and Development Final Report

CRADA Number: CRD-14-548

NREL Technical Contact: Teresa Barnes

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Parties to the Agreement: Lucintech, Inc.

CRADA Number: CRD-14-548

CRADA Title: Flexible CdTe Solar Cells and Modules

Joint Work Statement Funding Table Showing DOE Commitment:

Estimated Costs	NREL Shared Resources
Year 1	\$375,000.00
Year 2	\$375,000.00
TOTAL	\$750,000.00

Abstract of CRADA Work:

Lucintech and NREL will collaborate to develop flexible CdTe solar cells on flexible glass using sputtering and other deposition technologies. This initial work will be conducted under the DOE funded Foundational Program to Advance Cell Efficiency (FPACE) 1 project, and the interaction with Lucintech will focus on scaling up and transferring the high efficiency cell processes to module production on a pilot line.

Summary of Research Results:

Lucintech used NREL deposited transparent conducting oxides on flexible glass to make sputtered CdTe on flexible glass. They were able to obtain high device efficiency using these materials.

Subject Inventions Listing:

None

Report Date:

4/11/2016

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