

## Lighting Global Product Testing Verification Marathoner Beacon MTB-090 (Africa) / SooLED B1 (Asia) September, 2012 (valid until September, 2014<sup>1</sup>)

Reference #: tms-sooledb1-2012

This verifies that the Marathoner Beacon MTB-090 (Africa) / SooLED B1 (Asia) was tested according to the Quality Test Method in the latest edition of IEC 62257-9-5<sup>2</sup> and **passed** the Lighting Global Quality Standards<sup>3</sup> listed below.



### **Documentation:**

Specifications sheet with verified test results and original version of this verification:  
<http://www.lightingglobal.org/specs/tms-sooledb1>

### **Testing Details:**

Company Name: Marathoner CLP (Africa) / Toomeen Solar Co., Ltd. (Asia)  
Company Contact: Ben Cheung, [ben@toomeen.com](mailto:ben@toomeen.com)  
Sample Procurement Date: April, 2012  
Sample Size: n=6  
Sample Procurement Method: Random warehouse sampling  
Testing Laboratory: Schatz Energy Research Center, Arcata, CA USA

### **Quality Standards:**

- Truth in Advertising:** Accurate Labeling (e.g., rated run time, battery capacity, PV power)
- Lumen Maintenance:** At least 70% of initial brightness maintained over 2000 hours of operation
- Quality:** Passed basic durability and quality checks

### **Notes:**

This product also passes Lighting Africa's Recommended Performance Targets.



Arthur Itotia Njagi  
Program Manager, Lighting Africa

<sup>1</sup> Lighting Global requires re-testing every two years or upon major product revisions, and in special cases reserves the right to grant an extension on results validity.

<sup>2</sup> <http://www.lightingglobal.org/activities/qa/testmethods.html>

<sup>3</sup> <http://www.lightingglobal.org/activities/qa/standards.html>