

Additional Information

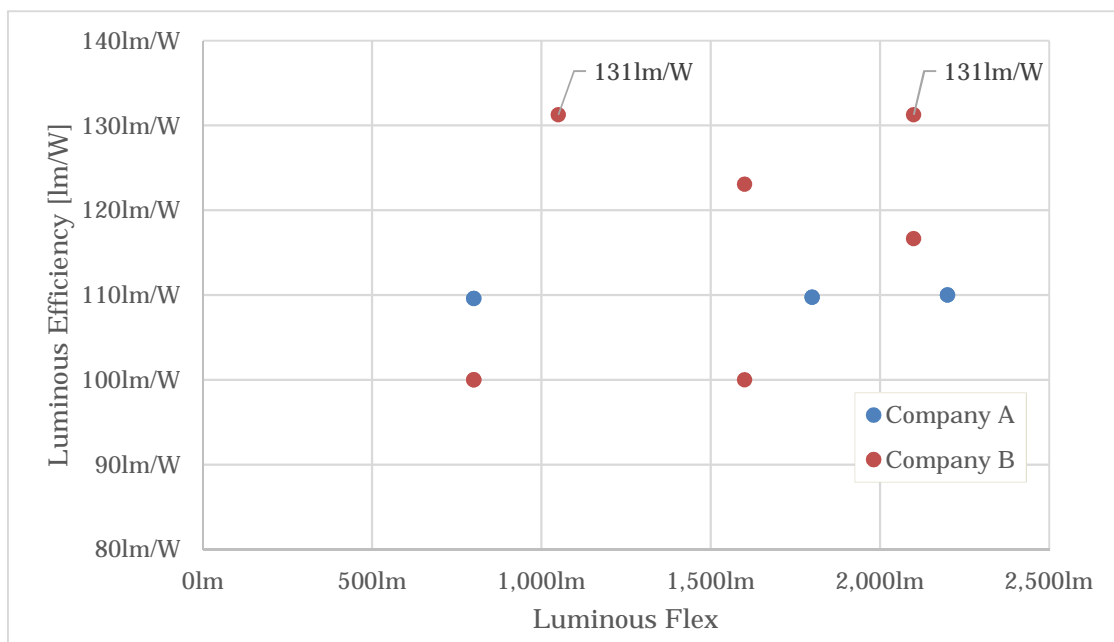
“Installation of LED Lighting for Grocery Store”

1. Setting of Reference Scenario and Parameters Fixed *Ex Ante*

In order to calculate GHG emission reductions conservatively, reference emissions are determined based on LED lighting which is commercially available in Indonesia. The LED lighting commonly used in the type of stores under the capacity specified in this methodology is identified to be a straight type tube with color temperature between 5,000 and 6,500 K and length between 602.5 and 1,513.0 mm.

2. Survey Result

The values of luminous efficiency of LED lighting commonly available in Indonesia are obtained from product catalogs, specification documents or website of major manufacturers. The survey was conducted in August 2020.



In order to ensure net emission reduction, luminous efficiency is set conservatively as a default value by adopting the most efficient value. As a result, the highest value 131 lm/W is set as η_{RE} .