Proposal: Add new Section as follows and renumber existing sections:

C405.3.3 Lighting for plant growth and maintenance. All non-LED lighting using replaceable lamps must be installed with electronic ballasts. All luminaires shall be listed by an OSHA Nationally Recognized Testing Labs (NRTL) or field certified by an OSHA NRTL to an appropriate standard. In addition, not less than 80 percent of the total Watts of lighting for canopy areas (areas used for plant growth and plant maintenance) must be provided by lighting having a photosynthetic photon efficacy of not less than 1.6 μmol/J (luminaires), or 1.9 μmol/J (lamps). Indoor agriculture facilities have three options to demonstrate that lighting meets these efficacy requirements:

1. LED fixtures listed in the Design Lights Consortium’s Horticultural Qualified Products List (QPL), [https://www.designlights.org/horticultural-lighting/search/](https://www.designlights.org/horticultural-lighting/search/), will be considered to comply with this section.
2. Double-ended high-pressure sodium (HPS) lamps with efficacies of 1.9 μmol/J or greater, used with any reflector and ballast combination, satisfy the requirements of this section. Compliance with this efficacy requirement must be demonstrated by a third-party test report providing the lamps’ photosynthetic photon efficacy (measured in μmol/J), generated by a facility accredited to the ANSI/IES LM-51 standard.
3. For lamps or luminaires not included in 1) or 2) above, compliance with the efficacy requirements of this section must be demonstrated by a third-party test report providing the lamps’ or luminaires’ photosynthetic photon efficacy (measured in μmol/J), generated by a facility accredited to the ANSI/ASABE S642, ANSI/IES LM-79, or ANSI/IES LM-51 standards.

C502.2.6.3 Lighting Systems for Plant Growth Vegetation Areas. New lighting installed in new canopy areas (areas used for plant growth and plant maintenance) within a new addition shall comply with Section C405.3.3.

C503.6.1 Lighting Systems for Plant Growth Vegetation Areas. New lighting installed in new canopy areas (areas used for plant growth and plant maintenance) as part of an expansion of operations or change of use within an existing building shall comply with Section C405.3.3.

Exceptions:
1: Replacement luminaires in existing plant growth and maintenance areas.
2: New lighting in new canopy areas where the building ceiling height is 9 feet or less.