RED1-330-22

**Replace the original proposal with the following:**

**N1104.1 Lighting equipment.** All permanently installed luminaires shall be capable of operation with an efficacy of not less than 45 lumens per watt or shall contain lamps capable of operation ~~at~~ with an efficacy of not less than 65 lumens per watt ~~or greater~~.

**Exceptions:**

1. ~~kitchen appliance lighting~~ appliance lamps.

2. antimicrobial lighting used for the sole purpose of disinfecting.

3. general service lamps complying with 10 CFR 430.2.

**Reason**: DOE recently established minimum efficacy requirements for “general service lamps” within 10 CFR 403.2, at 45 lumens/watt. Presumably, an IECC requirement for efficacy that differs from the federal requirement qualifies as a preemption of federal law, which is illegal. If the IECC contains provisions that violate federal law, its adoption can be expected to be challenged. Citing this reason, jurisdictions may opt to skip this version of the code entirely. These proposed modifications are intended to avoid this outcome by aligning this section with federal law. Additionally, exception 1 is modified to except “appliance lamps,” which are exempted from the definition of “general service lamps” (and their associated minimum efficacy requirements) in 10 CFR 430.2, presumably because of challenges with specifying high-efficacy lamps in high-temperature environments, and/or the extensive paybacks associated with their specification.