





# De-Lamping

A brighter way to use light

### A Presentation by

## Meredith Riley <sup>&</sup> Sophia Huang

# How are our classrooms lit?

30 foot-candles is the standard light intensity for classrooms!



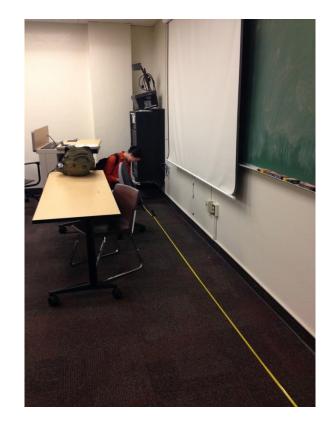
## The Measurement Process

Daytime	Nighttime
Measured 6 locations per room	Measured 6 locations per room
Measured room 3 times with blinds open, closed, & half open	Measured room once all lights on

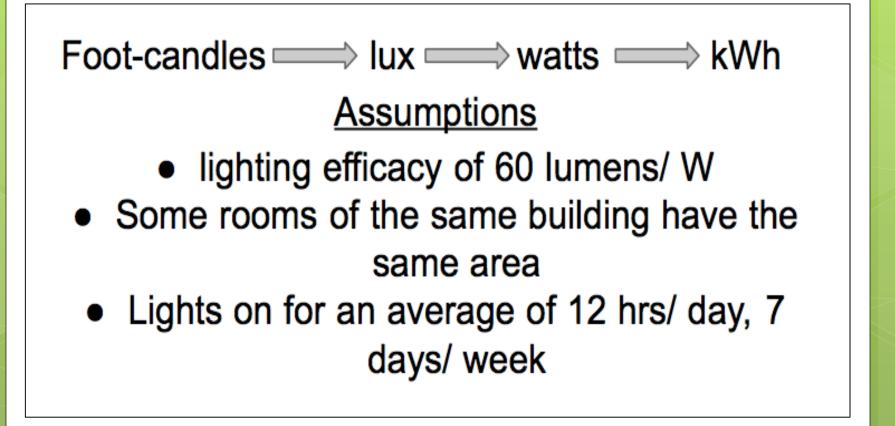
Buildings measured: Arts & Sciences, Lucas, O'Connor, & Kenna

# More Measuring...

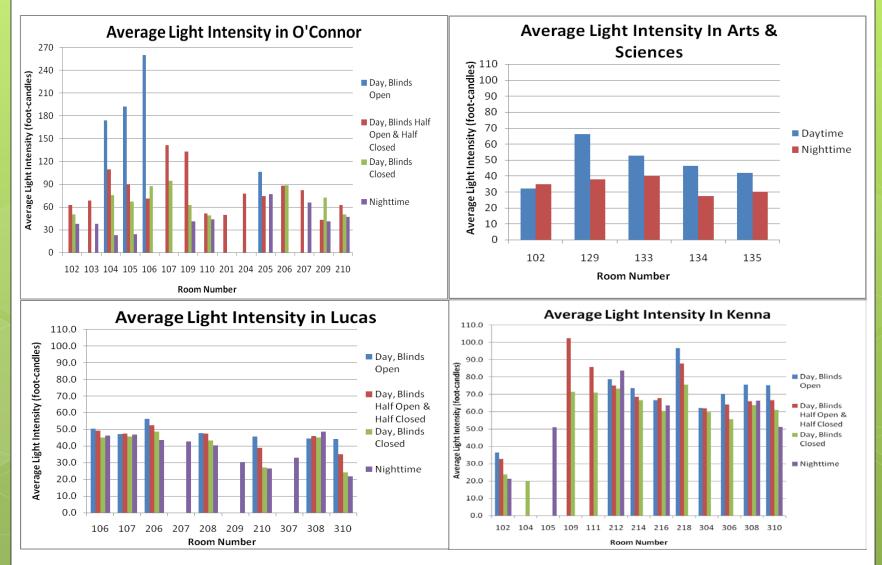
We measured the rooms for the area so we could predict how much wattage was being produced to light the room!



## From Wattage to Kilowatt-Hours



### How Each Classroom Measured Up



### Financial Savings & GHG Reductions

.11¢ per kWh of electricity





#### .54 lbs of CO2 per kWh of electricity

# Results

Building	Financial Savings/Month	CO2 Emission Avoided/Month (Ibs)
Arts & Sciences	\$34.00	170
Kenna	\$320.00	1600
Lucas	\$180.00	910
O'Connor	\$320.00	1600
Total	\$850.00	4200