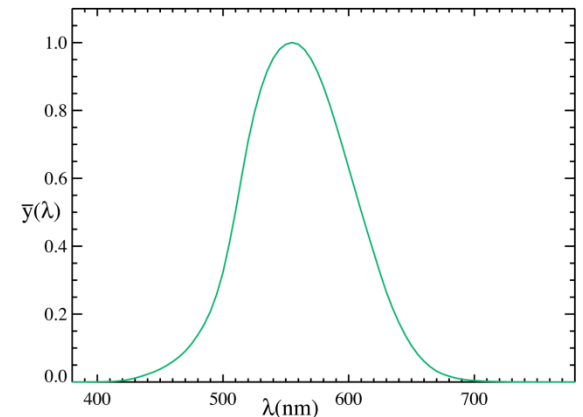


“Sources of Light”

Tungsten bulbs: Light output

- watts or lumens?
- we “see” lumens, not watts
- lumens \equiv “eyeball-weighted watts”
- maximum of 683 lm/W at 555 nm (peak of the Relative response curve)



Relative response of the human eye



Lighting Facts Per Bulb	
Brightness	820 lumens
Estimated Yearly Energy Cost	\$7.23
Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use	
Life	1.4 years
Based on 3 hrs/day	
Light Appearance	Warm Cool
Energy Used	60 watts

New labeling as of 2011
“Brightness”