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### **-1.0.1 Table no.**

Fill out your section and table number below.

- Section: \_\_\_\_\_
- Table no.: \_\_\_\_\_

### **-1.0.2 Experiment roles**

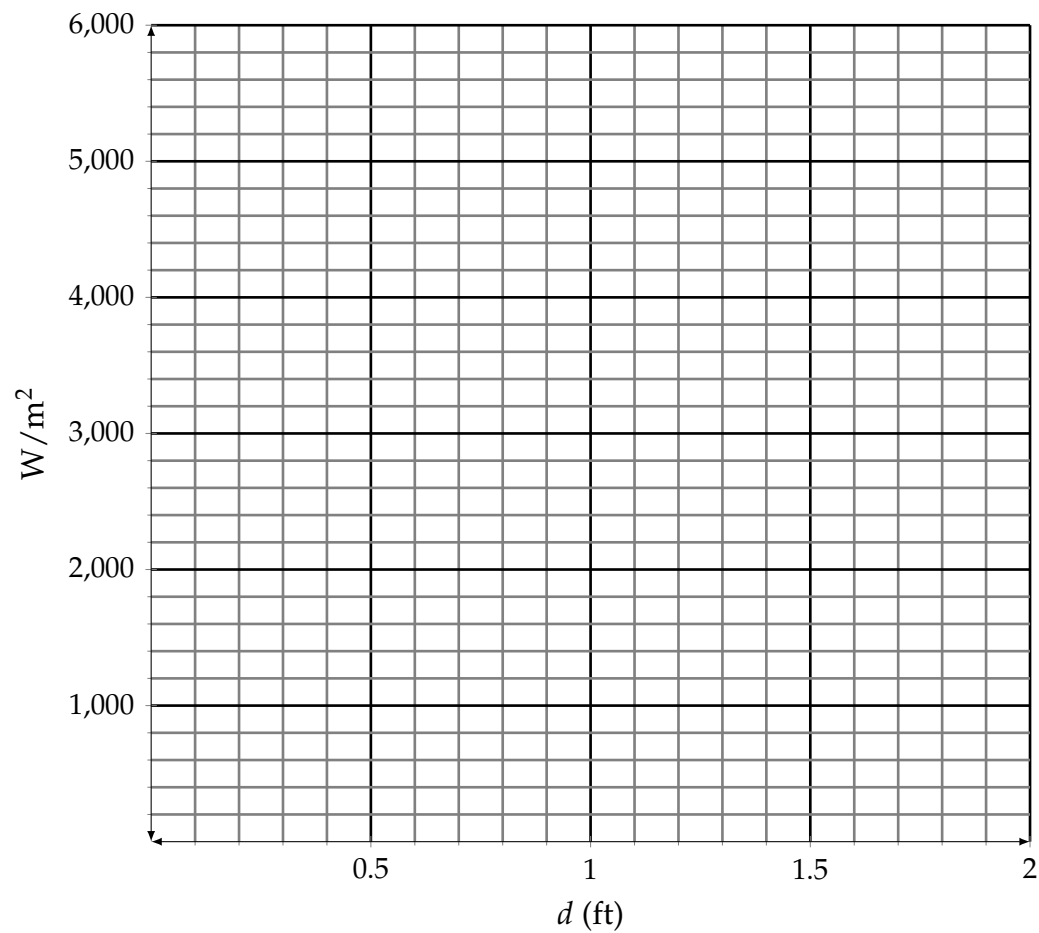
Enter your name and roles for each experiment.

Name	Experiment 1 role	Experiment 2 role

### -1.0.3 Experiment 1: Intensity vs. Distance

Fill out the table, then plot your data points in the graph. Then, pick another point from which to take another measurement to improve your plot.

$d$ (ft)	$\theta$ ( $^{\circ}$ )	$a$ (m)	$b$ (m)	area ( $\text{m}^2$ )	$400W/\text{area}$ ( $\text{W}/\text{m}^2$ )	area at 1ft/area at $d$
0.5	90					
1.0	90					1.00
1.5	90					
2.0	90					
	90					



#### -1.0.4 Experiment 2: Intensity vs. Angle

Fill out the table, then plot your data points in the graph. Then, pick another point from which to take another measurement to improve your plot.

$d$ (ft)	$\theta$ ( $^\circ$ )	$a$ (m)	$b$ (m)	area ( $\text{m}^2$ )	$400\text{W}/\text{area}$ ( $\text{W}/\text{m}^2$ )	area at $90^\circ$ / area at $\theta$
1.0	90					1.00
1.0	71					
1.0	47					
1.0	24					
1.0						

