

# Synchrotron Investigations

## 9.6 Light intensity data set

For those who cannot perform the experiment, these results are available to use. They were collected from students who performed the experiment using a torch as their light source. Choose one to use as your data set for *Stage 1* of the experiment.

Nathan's data	
Distance (cm)	Lux
20	0.6716
25	0.4428
30	0.2972
35	0.2239
40	0.1554

Nguyen's data	
Distance (cm)	Lux
17	0.9739
20	0.6687
23	0.5255
25	0.4183
30	0.2731
33	0.2380
38	0.1802

Sarah's data	
Distance (cm)	Lux
20	0.6885
24	0.4652
28	0.3522
32	0.2488
36	0.2031
40	0.1559
44	0.1295
48	0.1112
52	0.0925

Meng Bi's data	
Distance (cm)	Lux
20	0.6752
25	0.4425
30	0.2811
35	0.2122
40	0.1755
45	0.1301
50	0.1002
55	0.0813

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