

Sheet1

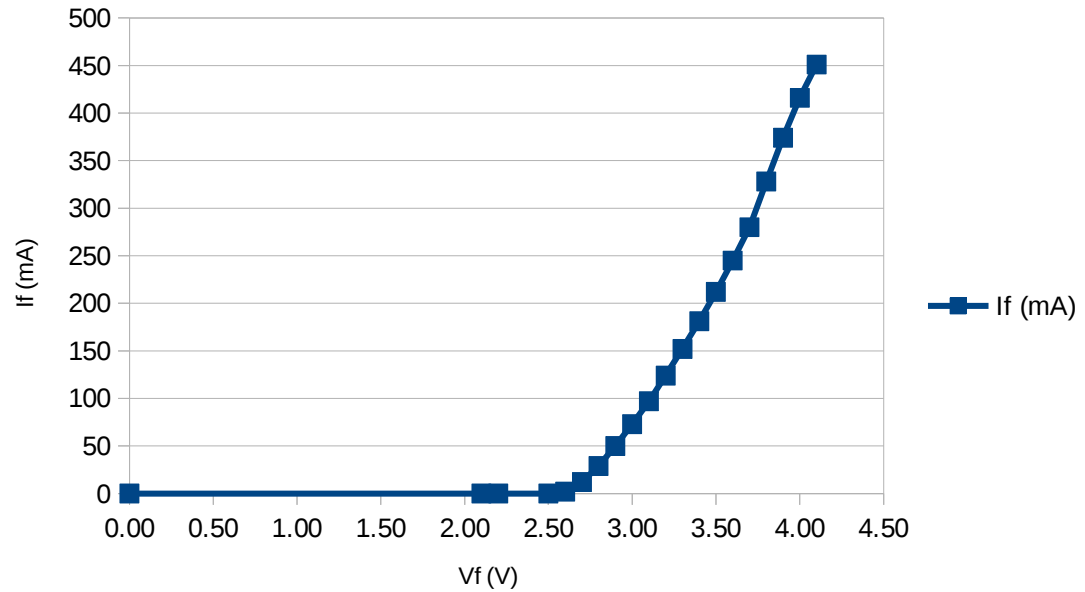
Measurement of LED performance of Harbor Freight single-LED three-AAA flashlight

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Vf (V)	If (mA)	visual intensity
0.0	0	none
2.1	0	none
2.2	0	very dim
2.5	0	dim
2.6	2	significant jump
2.7	12	
2.8	29	
2.9	50	
3.0	73	
3.1	97	
3.2	124	
3.3	152	
3.4	181	
3.5	212	
3.6	245	
3.7	280	
3.8	328	
3.9	374	
4.0	416	
4.1	451	



Note: temperature significantly affects LED current (and light output)
This data was taken very quickly, and did not allow time to reach equilibrium at each Vf.