OBSERVATION:

Number of lines per metre of grating N = 591634.6

Order of diffraction m = 1

Colours	Spectrometer Readings (Right)		Spectrometer Readings (Left)		2θ		Mean 2θ	θ	$\lambda = \frac{\sin\theta}{mN}$
	V_A	V_B	V_A	V_B	V_A	V_B			
Violet	125°3'	305°10'	95°10'	275°5'	29°53	30°5'	29°59'	14°59'30"	437×10^{-9}
Blue	127°3'	307°4'	93°5'	273°6'	33°58	33°58'	33°58'	16°59'	493×10^{-9}
Green	129°3'	309°5'	91°4'	271°6'	37°59'	37°59'	37°59'	18°59'30"	550×10^{-9}
Yellow I	130°6'	310°8'	90°3'	270°3'	40°3'	40°5'	40°4'	20°2'	579×10^{-9}
Yellow II	130°6'	310°8'	90°2'	269°3'	40°4'	41°5'	40°34'30"	20°17'15"	586×10^{-9}
Orange	131°2'	311°2'	89°8'	269°4'	41°53'	41°58'	41°55'30"	20°57'45"	604×10^{-9}
Red I	131°7'	311°7'	88°8'	268°9'	42°59'	42°58'	42°58'30"	21°29'15"	619×10^{-9}
Red II	132°1'	312°4'	88°9'	268°10'	43°52'	43°54'	43°53'	21°56'30"	631×10^{-9}