

Dark Current = 0.00 mA

Without Polarizer ~~only~~ = 0.25 mA

With Polarizer = 0.12 mA

Table 3:

Half-Wave Angle  $\Rightarrow 40^\circ$   
 $0^\circ \rightarrow 0.04 \text{ mA}$

Analyzer offset =  $7^\circ$   
 Half Wave Plate offset =  $4^\circ$   
 $\rightarrow 0.102 \text{ mA}$

SNo.	Angular Position of Analyzer ( $^\circ$ )deg	Corrected Position of Analyzer ( $^\circ$ )	Current (mA)
1)	$20^\circ$		0.015 <del>0.015</del>
2)	$28^\circ$		<del>0.005</del> 0.005
3)	$36^\circ$		<del>0.000</del> 0.000
4)	$40^\circ$		0.000
5)	$44^\circ$		0.001
6)	$50^\circ$		0.002
7)	$70^\circ$		0.011
8)	$90^\circ$		0.026
9)	$110^\circ$		0.039
10)	$120^\circ$		0.043
11)	$130^\circ$		0.054
12)	$140^\circ$		<del>0.088</del> 0.088
13)	$146^\circ$		0.086
14)	$150^\circ$		0.082
15)	$160^\circ$		0.068
16)	$180^\circ$		0.039
17)	$200^\circ$		0.009
18)	$210^\circ$		0.002
19)	$220^\circ$		0.000

21)	$230^{\circ}$	0.003
22)	$250^{\circ}$	0.027
23)	$270^{\circ}$	0.061
24)	$300^{\circ}$	0.097
25)	$320^{\circ}$	0.098
26)	$325^{\circ}$	0.096
27)	$330^{\circ}$	0.090
28)	$340^{\circ}$	0.076
29)	$350^{\circ}$	0.058
30)	$360^{\circ}$	0.039

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02/09/22