

# Quarter-Wave Plate:

Offset = 0.044 mA

↳ 12°

Angular Position of Quarter-Wave Plate: 57°

Sr.	Angular Position of Analyzer (in deg)	Corrected Angular Position of Analyzer (in deg)	Current (mA)
1)	5°		0.026
2)	20°		0.035
3)	30°		0.039
4)	50°		0.045
5)	70°		0.041
6)	90°		0.032
7)	110°		0.021
8)	130°		0.011
9)	140°		0.008
10)	150°		0.007
11)	154°		0.008
12)	160°		0.009
13)	170°		0.012
14)	190°		0.021
15)	220°		0.037
16)	250°		0.041
17)	<del>280°</del> 270°		0.043
18)	276°		0.042
19)	<del>290°</del> 290°		0.032
20)	300°		<del>0.025</del> 0.025
21)	320°		0.014
22)	330°		<del>0.007</del>
23)	<del>340°</del> 340°		0.017
24)	350°		0.039
			0.050

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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 ( $\theta$ ) deg	Corrected Position of Analyzer ( $\theta$ )	Current (mA)
1)	$20^\circ$		0.015
2)	$28^\circ$		0.005
3)	$36^\circ$		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)	$140^\circ$		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°	0.003
22)	250°	0.027
23)	270°	0.061
24)	300°	0.097
25)	320°	0.098
26)	325°	0.096
27)	330°	0.090
28)	340°	0.076
29)	350°	0.058
30)	360°	0.039

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