

desired pos in degrees	distance to move	num steps	actual position	error
				0
13.8461538461538	13.8461538461538	4923	13.8466719231517	-0.0005180769979
27.6923076923077	13.8456357691560	4922	27.6905311971214	0.0017764951863
41.5384615384615	13.8479303413402	4923	41.5372031202731	0.0012584181884
55.3846153846154	13.8474122643423	4923	55.3838750434248	0.0007403411906
69.2307692307692	13.8468941873444	4923	69.2305469665765	0.0002222641927
83.0769230769231	13.8463761103466	4923	83.0772188897282	-0.0002958128051
96.9230769230769	13.8458580333487	4923	96.9238908128799	-0.0008138898030
110.7692307692310	13.8453399563508	4922	110.7677500868500	0.0014806823812
124.6153846153850	13.8476345285350	4923	124.6144220100010	0.0009626053833
138.4615384615380	13.8471164515371	4923	138.4610939331530	0.0004445283854
152.3076923076920	13.8465983745393	4923	152.3077658563050	-0.0000735486124
166.1538461538460	13.8460802975414	4923	166.1544377794560	-0.0005916256103
180.0000000000000	13.8455622205435	4923	180.0011097026080	-0.0011097026082
193.8461538461540	13.8450441435456	4922	193.8449689765780	0.0011848695760
207.6923076923080	13.8473387157298	4923	207.6916408997300	0.0006667925781
221.5384615384610	13.8468206387319	4923	221.5383128228810	0.0001487155802
235.3846153846150	13.8463025617340	4923	235.3849847460330	-0.0003693614177
249.2307692307690	13.8457844847362	4923	249.2316566691850	-0.0008874384156
263.0769230769230	13.8452664077383	4923	263.0783285923360	-0.0014055154134
276.9230769230770	13.8447483307405	4922	276.9221878663060	0.0008890567708
290.7692307692310	13.8470429029247	4923	290.7688597894580	0.0003709797730
304.6153846153850	13.8465248259268	4923	304.6155317126090	-0.0001470972248
318.4615384615380	13.8460067489290	4923	318.4622036357610	-0.0006651742227
332.3076923076920	13.8454886719312	4923	332.3088755589130	-0.0011832512205
346.1538461538460	13.8449705949334	4923	346.1555474820640	-0.0017013282183
360.0000000000000	13.8444525179356	4922	359.9994067560340	0.0005932439659

max error

0.001776495