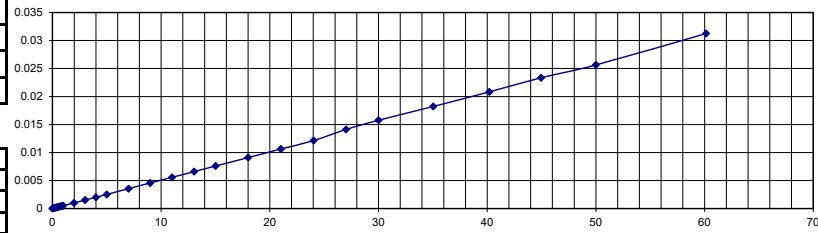


**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	1
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000419656	0.000419656	3.83086E-05	0.000298722	-0.000419531	109.1312942	10.95462246	99.45226888
0.1A	0.100835176	0.100835176	6.83049E-05	0.000423479	-0.000376955	118.1201863	1476.251419	26.18742907
0.2A	0.203957903	0.203957903	0.000111975	0.000543278	-0.00030885	136.2554848	1821.455621	8.927218945
0.3A	0.300698834	0.300698834	0.000164532	0.000536961	-0.000258193	163.7246888	1827.596218	8.620189104
0.4A	0.396637714	0.396637714	0.000216048	0.000425431	-0.000250914	186.104319	1835.878649	8.206067532
0.5A	0.496523723	0.496523723	0.000258543	0.000478979	-0.000181832	242.1876217	1920.472107	3.976394669
0.6A	0.600392085	0.600392085	0.000308293	0.000532074	-0.000100203	407.6672185	1947.470649	2.626467529
0.7A	0.701570427	0.701570427	0.000362128	0.000477733	-8.44928E-05	528.589836	1937.357037	3.132148154
0.8A	0.801349906	0.801349906	0.000409796	0.000588992	5.23323E-05	-683.0641619	1955.487096	2.225645214
0.9A	0.901912432	0.901912432	0.000469026	0.000434437	-2.78324E-05	1785.179209	1922.947402	3.852629901
1A	0.994237967	0.994237967	0.000509136	0.00050167	7.91227E-05	-543.4759392	1952.795812	2.360209401
2A	1.99255793	1.99255793	0.001009962	0.000502422	0.000581449	-73.69759238	1972.903041	1.354847936
3A	3.00091394	3.00091394	0.001516583	0.000494103	0.001063105	-42.65600132	1978.734163	1.063291855
4A	3.99881413	0.039988141	0.002009648	0.000510717	0.001622608	-23.85300653	1989.807963	0.509601862
5A	5.00359747	0.050035975	0.002522809	0.000514998	0.002157186	-16.9490277	1983.344091	0.832795451
7A	7.01207852	0.035060393	0.003557172	0.000512143	0.003171528	-12.15955774	1971.250743	1.437462845
9A	8.99860024	0.044993001	0.004574555	0.000499492	0.004075074	-12.2569841	1967.098556	1.645072198
11A	11.01798275	0.022035966	0.005583221	0.000497616	0.005063073	-10.27335623	1973.409922	1.32950391
13A	13.0392331	0.026078466	0.006589028	0.000512055	0.006257154	-5.303905054	1978.931235	1.053438249
15A	15.0203483	0.030040697	0.007603469	0.000500529	0.007098461	-7.114328247	1975.459987	1.227000635
18A	18.02017805	0.036040356	0.00910497	0.000509064	0.008753761	-4.012089457	1979.158421	1.042078942
21A	21.03423065	0.042068461	0.010639315	0.000500195	0.010101571	-5.323366999	1977.028732	1.148563414
24A	24.03578035	0.048071561	0.012140676	0.000665872	0.01558509	22.10069834	1979.772786	1.011360677
27A	27.0174493	0.027017449	0.014126085	0.000549206	0.014418489	2.027978615	1912.592832	4.370358392
30A	30.0151456	0.030015146	0.015772438	0.000488812	0.014252102	-10.66745171	1903.012432	4.84937839
35A	35.0421101	0.03504211	0.018229678	0.000504617	0.017263205	-5.598456885	1922.256152	3.887192421
40A	40.2087188	0.040208719	0.020836839	0.00052959	0.020874467	0.18026005	1929.693817	3.515309163
45A	44.9611498	0.04496115	0.023353677	0.000454064	0.019995578	-16.79421044	1925.227852	3.738607383
50A	50.0052238	0.050005224	0.025644009	0.000552696	0.027218041	5.783046713	1949.976846	2.501157678
60A	60.1525206	0.03007626	0.031252381	0.000519552	0.030832725	-1.361074105	1924.733985	3.763300738

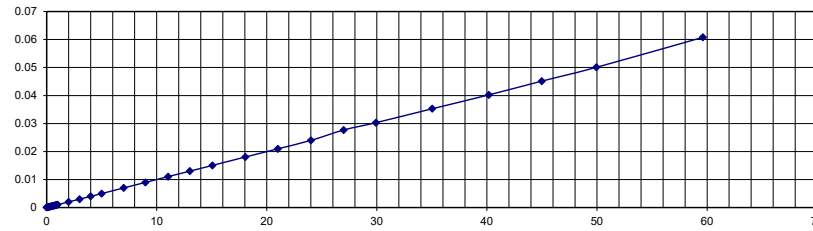
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	2
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000601066	0.000601066	3.77042E-05	0.000799607	-0.000600586	106.2779077	31.88324177	98.40583791
0.1A	0.099747751	0.099747751	0.000116983	0.000945418	-0.000506763	123.0842845	1705.342711	14.73286443
0.2A	0.200616261	0.200616261	0.000212346	0.000981527	-0.000404156	152.5404569	1889.526495	5.523675258
0.3A	0.300941965	0.300941965	0.000310818	0.001032508	-0.000290341	207.052547	1936.452029	3.177398529
0.4A	0.399697232	0.399697232	0.000412784	0.000983228	-0.000208073	298.3841136	1936.594986	3.170250718
0.5A	0.505710946	0.505710946	0.000517019	0.00094988	-0.000120701	528.3453268	1956.256052	2.187197405
0.6A	0.607088236	0.607088236	0.000613315	0.001064271	4.50402E-05	-1261.706156	1979.693159	1.015342045
0.7A	0.703429769	0.703429769	0.000715849	0.01005171	0.000106001	-575.3239137	1965.302016	1.734899192
0.8A	0.809288067	0.809288067	0.000822255	0.000908813	0.000134425	-511.6822687	1968.460711	1.576964473
0.9A	0.905363947	0.905363947	0.000909957	0.001011857	0.000315033	-188.7225059	1990.752107	0.462394666
1A	1.00138626	1.00138626	0.001006731	0.001004797	0.000405123	-148.5000036	1989.38276	0.530861975
2A	2.0041164	2.0041164	0.00201427	0.000991728	0.001386472	-45.28026275	1989.917977	0.504101148
3A	2.99654696	2.99654696	0.002998492	0.000994011	0.002377535	-26.11764152	1998.702888	0.064855608
4A	4.00268923	0.040026892	0.003998609	0.000998293	0.003394789	-17.78667005	2002.041045	-0.10205225
5A	5.00298577	0.050029858	0.004997197	0.00100389	0.004421379	-13.02350685	2002.316719	-0.115835933
7A	7.00054268	0.035002713	0.007002524	0.001003924	0.006426949	-8.955648551	1999.434193	0.028290372
9A	8.98366354	0.044918318	0.008993427	0.000998939	0.008373064	-7.409029305	1997.82875	0.108562509
11A	11.03632205	0.022072644	0.011043907	0.000998958	0.01032333	-6.980087857	1998.626329	0.068683571
13A	13.0089691	0.026017938	0.012996549	0.000998116	0.012383387	-4.951483066	2001.911338	-0.09556691
15A	15.066342	0.030132684	0.015050045	0.00100586	0.014553563	-3.411409212	2002.165774	-0.108288716
18A	18.05491335	0.036109827	0.018056129	0.000987566	0.017229356	-4.798627178	1999.865392	0.006730402
21A	21.0141617	0.042028323	0.020978582	0.00100414	0.020500093	-2.334085755	2003.391974	-0.169598686
24A	24.00885695	0.048017714	0.023985675	0.001245536	0.029302821	18.14550696	2001.93295	-0.096647477
27A	26.9886941	0.026988694	0.027697169	0.000891055	0.02344735	-18.12494277	1948.841363	2.557931842
30A	29.912833	0.029912833	0.030302738	0.000973756	0.028526744	-6.225715857	1974.266022	1.286698911
35A	35.0360833	0.035036083	0.035291535	0.000961295	0.033078959	-6.688771392	1985.523322	0.723833908
40A	40.179023	0.040179023	0.04023542	0.001022524	0.040482946	0.611432612	1997.196664	0.140166799
45A	44.9828228	0.044982823	0.04514742	0.000993095	0.044071168	-2.442076953	1992.70846	0.36457698
50A	49.9424022	0.049942402	0.050072755	0.001107997	0.054734964	8.517787937	1994.793448	0.260327595
60A	59.6172974	0.029808649	0.06079251	0.001019713	0.060191443	-0.998591184	1961.336931	1.933153446

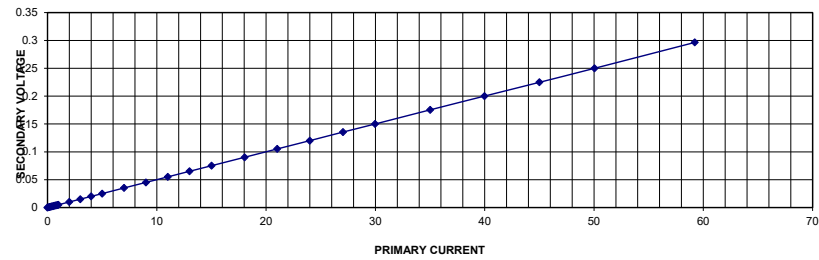
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>URNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	10
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000614965	0.000614965	3.61229E-05	0.004785184	-0.000612022	105.9022157	170.24254	91.487873
0.1A	0.100555249	0.100555249	0.000514356	0.004965992	-0.000115608	544.9128341	1954.975643	2.251217848
0.2A	0.202279105	0.202279105	0.001019515	0.005072217	0.000411039	-148.033941	1984.071089	0.796445539
0.3A	0.300433514	0.300433514	0.001517376	0.005030711	0.00089643	-69.26883562	1979.954525	1.002273774
0.4A	0.400518948	0.400518948	0.002020877	0.00493435	0.001361336	-48.44805392	1981.906843	0.904657838
0.5A	0.501720106	0.501720106	0.002520239	0.005072402	0.001929961	-30.58494905	1990.764224	0.461788796
0.6A	0.60084917	0.60084917	0.003023061	0.00499119	0.002383987	-26.80692483	1987.552167	0.622391648
0.7A	0.702048674	0.702048674	0.003528167	0.004951524	0.002861246	-23.30875883	1989.839665	0.508016762
0.8A	0.799865429	0.799865429	0.004012509	0.005018474	0.003399139	-18.04486145	1993.42959	0.328520504
0.9A	0.903554	0.903554	0.004532867	0.005082056	0.003976947	-13.97857352	1993.338671	0.333066434
1A	1.00089129	1.00089129	0.005027541	0.005001747	0.00439124	-14.49023535	1990.816767	0.459161647
2A	1.99749869	1.99749869	0.010012319	0.005011587	0.009395673	-6.563081081	1995.041039	0.247948058
3A	2.99746219	2.99746219	0.015023723	0.005003445	0.014382673	-4.457099656	1995.152779	0.242361038
4A	4.00215445	0.040021545	0.020050645	0.004985143	0.019336348	-3.694062832	1996.022786	0.198860684
5A	5.00522317	0.050052232	0.025051086	0.005038214	0.024602422	-1.823659325	1998.006438	0.099678113
7A	7.0151815	0.035075908	0.035177687	0.004994203	0.034420273	-2.200489	1994.213406	0.289329711
9A	9.00426832	0.045021342	0.04511159	0.004980312	0.044229105	-1.995257252	1995.998904	0.2000548
11A	11.01440155	0.022028803	0.055122681	0.005024243	0.054724067	-0.728407707	1998.161434	0.091928312
13A	13.00054195	0.026001084	0.065101533	0.004985711	0.064201984	-1.40112471	1996.964015	0.151799266
15A	15.0211776	0.030042355	0.075175839	0.005003896	0.074549441	-0.840245557	1998.138995	0.093050241
18A	18.0386485	0.036077297	0.090274949	0.005013327	0.089818688	-0.507980159	1998.189832	0.090508387
21A	21.0242502	0.0420485	0.105242748	0.004994653	0.104393862	-0.813157302	1997.691109	0.115444534
24A	24.00071065	0.048001421	0.120109134	0.005067763	0.121014941	0.74850852	1998.24192	0.087904014
27A	27.0477452	0.027047745	0.135550782	0.004933589	0.132827497	-2.050242075	1995.395733	0.230213353
30A	29.9794186	0.029979419	0.150014454	0.005042856	0.150566915	0.366920575	1998.435337	0.078233128
35A	35.0143468	0.035014347	0.17540487	0.004968424	0.173351158	-1.184711952	1996.201519	0.189924031
40A	39.9757975	0.039975798	0.200055461	0.004920121	0.196070806	-2.032252901	1998.235754	0.088212288
45A	45.015768	0.045015768	0.224852727	0.00498426	0.22375533	-0.490445176	2002.01121	-0.100560488
50A	50.0509208	0.050050921	0.249949238	0.005068353	0.253060757	1.229554056	2002.443424	-0.122171207
60A	59.2277	0.02961385	0.296460392	0.005005435	0.295845427	-0.207866914	1997.828432	0.108578417

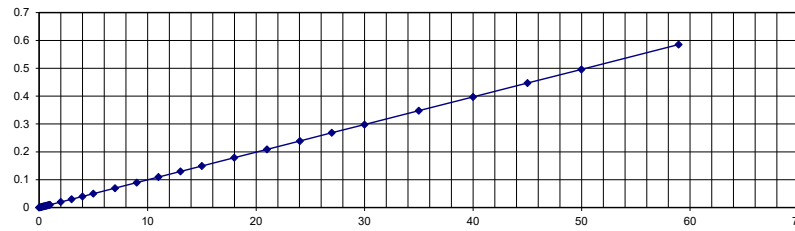
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	20
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000627033	0.000627033	3.67055E-05	0.009768506	-0.000620908	105.9115885	341.656013	82.91719935
0.1A	0.100139234	0.100139234	0.001008791	0.009961444	0.000370499	-172.2793787	1985.331453	0.733427374
0.2A	0.199708906	0.199708906	0.002000649	0.00996241	0.001369305	-46.10683317	1996.441404	0.177929779
0.3A	0.301785657	0.301785657	0.003021033	0.009873627	0.002352686	-28.40779751	1997.897401	0.105129949
0.4A	0.399716429	0.399716429	0.003987965	0.00997114	0.003358596	-18.7390518	2004.613767	-0.230688361
0.5A	0.500256418	0.500256418	0.004990463	0.009977259	0.004364155	-14.35118524	2004.849799	-0.242489935
0.6A	0.600425405	0.600425405	0.005989875	0.009912395	0.005324621	-12.49391884	2004.801216	-0.240060781
0.7A	0.699681776	0.699681776	0.006973743	0.010024099	0.006386646	-9.19256884	2006.617594	-0.330879698
0.8A	0.799300714	0.799300714	0.007972333	0.009860125	0.007254172	-9.899974504	2005.186444	-0.259322205
0.9A	0.901057849	0.901057849	0.008975671	0.010037646	0.008417467	-6.631495217	2007.778211	-0.388910527
1A	1.00175406	1.00175406	0.00986424	0.009949956	0.009340376	-6.916728648	2006.231756	-0.311587808
2A	2.00475005	2.00475005	0.01996619	0.009951521	0.019323279	-3.327129385	2008.144839	-0.407241947
3A	2.99627346	2.99627346	0.029833356	0.009952158	0.029192354	-2.19578569	2008.673433	-0.433671629
4A	4.00648786	0.040064879	0.039887169	0.009924524	0.039135453	-1.92080568	2008.910605	-0.445530238
5A	5.00658829	0.050065883	0.04981269	0.009972174	0.049299539	-1.040884106	2010.165791	-0.508289552
7A	7.00294282	0.035014714	0.069720686	0.0099656	0.069161491	-0.808534541	2008.856548	-0.442827399
9A	9.00980644	0.045049032	0.089720285	0.009912076	0.088678855	-1.174383605	2008.421266	-0.421063307
11A	11.00899585	0.022017992	0.109536403	0.009903575	0.108401385	-1.047050993	2010.107243	-0.505362131
13A	13.0311464	0.026062293	0.129562923	0.0099467	0.128989873	-0.444259945	2011.554864	-0.577743217
15A	15.00264255	0.030005285	0.149172804	0.009959319	0.148789077	-0.257900045	2011.444734	-0.572236679
18A	17.9841534	0.035968307	0.178866623	0.009897537	0.177371785	-0.842771134	2010.900983	-0.545049145
21A	21.01397375	0.042027948	0.208854381	0.00995586	0.208585141	-0.129079166	2012.308638	-0.615431907
24A	24.03318585	0.048066372	0.238913233	0.010072579	0.241449133	1.050283369	2011.875654	-0.593782723
27A	26.9739146	0.026973915	0.268533956	0.009740302	0.262107037	-2.452020585	2008.976072	-0.448803577
30A	30.0020263	0.030002026	0.298028678	0.009965893	0.298369962	0.114382936	2013.365056	-0.668252805
35A	35.0005275	0.035000527	0.347843208	0.009872156	0.344903634	-0.852288619	2012.431273	-0.621563667
40A	40.0072219	0.040007222	0.397270076	0.009953213	0.397573372	0.076286734	2014.106993	-0.705349627
45A	45.0157806	0.045015781	0.447121328	0.009817865	0.441331807	-1.311829478	2013.582345	-0.679117235
50A	49.9862045	0.049986205	0.495920277	0.009976424	0.498056524	0.428916665	2015.896781	-0.794839046
60A	58.9426296	0.029471315	0.585273369	0.009929543	0.584646336	-0.107249941	2014.191409	-0.709570471

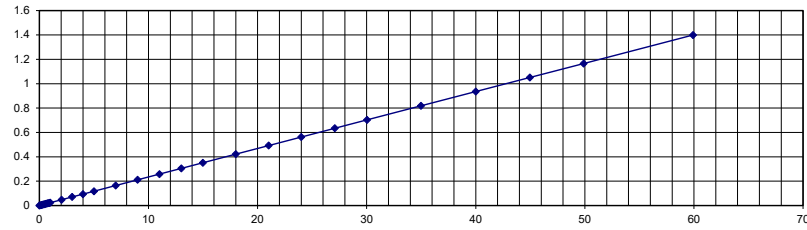
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>URNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	47
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000638021	0.000638021	3.65781E-05	0.023333513	-0.000623133	105.8700279		819.8065931	59.00967035
0.1A	0.100164797	0.100164797	0.002358887	0.023603265	0.001726196	-36.65237796		1995.748241	0.212587952
0.2A	0.200331178	0.200331178	0.004723141	0.023382795	0.004046282	-16.72791871		1993.496528	0.325173581
0.3A	0.300383898	0.300383898	0.007062653	0.023499983	0.00642095	-9.993898539		1998.971569	0.051421567
0.4A	0.400645583	0.400645583	0.009418786	0.023561855	0.008801933	-7.008156512		1999.232443	0.038377871
0.5A	0.500714662	0.500714662	0.011776599	0.023372956	0.011065161	-6.429530651		1998.334911	0.083254452
0.6A	0.600081135	0.600081135	0.014099087	0.023475165	0.013448983	-4.833855216		2000.399937	-0.019996844
0.7A	0.701131037	0.701131037	0.01647125	0.023542209	0.015868153	-3.800679793		2000.647063	-0.032353157
0.8A	0.800890801	0.800890801	0.018819816	0.0233737	0.018081761	-4.081765137		2000.118835	-0.005941735
0.9A	0.900605404	0.900605404	0.021150515	0.023566714	0.020586289	-2.740783656		2001.29663	-0.064831491
1A	1.00055236	1.00055236	0.023505936	0.023494918	0.022869875	-2.781219492		2000.599369	-0.02996843
2A	2.04045999	2.04045999	0.04793848	0.02345506	0.047221091	-1.51921386		2000.514391	-0.025719558
3A	2.99901684	2.99901684	0.070421489	0.023415244	0.06958469	-1.202561682		2001.573586	-0.078679308
4A	3.99809876	0.039980988	0.093815235	0.023475666	0.093220012	-0.638514243		2002.986414	-0.149320694
5A	5.00340631	0.050034063	0.1174155	0.023485922	0.116871591	-0.465390348		2002.802838	-0.140141876
7A	7.00424062	0.035021203	0.164406939	0.023405037	0.163296489	-0.680020443		2002.344373	-0.117218635
9A	9.00276082	0.045013804	0.211182378	0.023427962	0.21027832	-0.429933775		2003.622473	-0.181123668
11A	11.00611115	0.022012222	0.258116794	0.023361458	0.256480781	-0.637869636		2004.082013	-0.204100639
13A	13.0105022	0.026021004	0.304942291	0.023381355	0.303565147	-0.45365697		2005.276478	-0.263823918
15A	14.9846639	0.029969328	0.351100866	0.023417866	0.350270837	-0.236967691		2005.917021	-0.295851065
18A	18.0006065	0.036001213	0.421727807	0.023329294	0.419303418	-0.578194352		2006.100834	-0.305041719
21A	21.0213059	0.042042612	0.492198591	0.023422033	0.491723693	-0.096578132		2007.322644	-0.366132224
24A	24.0075056	0.048015011	0.562141458	0.023422495	0.561677656	-0.08257441		2007.239899	-0.361994934
27A	27.0921095	0.02709211	0.634390577	0.023412814	0.633664511	-0.114582057		2007.169073	-0.358453661
30A	30.0434786	0.030043479	0.703490434	0.023301315	0.699414552	-0.582756222		2007.196439	-0.359821965
35A	34.9858451	0.034985845	0.818654075	0.023299536	0.814515929	-0.508049768		2008.583075	-0.429153773
40A	40.0082977	0.040008298	0.935674889	0.023290313	0.931167755	-0.484030281		2009.661704	-0.483085204
45A	44.9594051	0.044959405	1.05098773	0.023175984	1.041340454	-0.926428665		2010.577269	-0.528863439
50A	49.8929582	0.049892958	1.16532768	0.023366899	1.165205707	-0.010467924		2012.282962	-0.614148091
60A	59.9133994	0.0299567	1.39947432	0.023358286	1.398836299	-0.045610811		2012.133936	-0.606696799

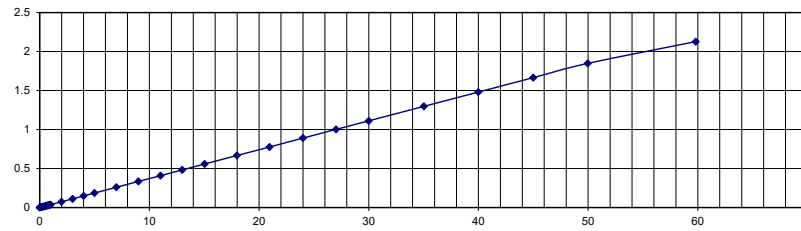
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	75
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00062311	0.00062311	3.84988E-05	0.037259434	-0.000599893	106.4176113		1213.887909	39.30560457
0.1A	0.101259039	0.101259039	0.003788137	0.037088337	0.00313242	-20.93324391		2004.792532	-0.23962659
0.2A	0.199942675	0.199942675	0.007448148	0.037260495	0.006826853	-9.100755421		2013.346088	-0.667304399
0.3A	0.301248812	0.301248812	0.011222865	0.037278759	0.010607072	-5.805497888		2013.181153	-0.659057629
0.4A	0.400460788	0.400460788	0.014921365	0.037094858	0.014231926	-4.84430892		2012.856056	-0.642802804
0.5A	0.500389817	0.500389817	0.018628218	0.037308221	0.018045544	-3.22890438		2014.644497	-0.732224841
0.6A	0.600184274	0.600184274	0.022351371	0.037131182	0.021662442	-3.180295969		2013.917614	-0.695880679
0.7A	0.700484817	0.700484817	0.026075649	0.037204811	0.025438295	-2.505489375		2014.767152	-0.738357602
0.8A	0.800831348	0.800831348	0.029809023	0.037290067	0.029239945	-1.946234246		2014.905068	-0.74525338
0.9A	0.899923929	0.899923929	0.033504192	0.037080281	0.032746323	-2.314364237		2014.502993	-0.725149674
1A	1.00052305	1.00052305	0.037234436	0.037164855	0.036561184	-1.841436884		2015.318018	-0.765900896
2A	1.99114877	1.99114877	0.074050897	0.037263686	0.073574432	-0.647595088		2016.669132	-0.833456584
3A	3.00442868	3.00442868	0.111809441	0.037108518	0.110866785	-0.850260444		2015.323116	-0.766155785
4A	4.01368972	0.040136897	0.149261622	0.03718047	0.148607762	-0.439990479		2016.772463	-0.838623139
5A	5.00722282	0.050072228	0.18620165	0.037162134	0.185455978	-0.402075081		2016.854907	-0.842745352
7A	7.00225882	0.035011294	0.260341446	0.037115405	0.25926856	-0.413812622		2017.233213	-0.861660632
9A	9.01263232	0.045063162	0.334957272	0.036889633	0.331849591	-0.936472707		2018.010894	-0.900544712
11A	11.01357295	0.022027146	0.408771238	0.03718346	0.408899641	0.031402202		2020.734079	-1.036703963
13A	13.00021165	0.026000423	0.482641339	0.03708975	0.481551493	-0.226319672		2020.166519	-1.008325952
15A	15.0384477	0.030076895	0.558239005	0.036956748	0.555149008	-0.556606886		2020.431334	-1.021566694
18A	17.98646025	0.035972921	0.667187961	0.036798657	0.661254465	-0.897309075		2021.895774	-1.094788696
21A	20.9624634	0.041924927	0.776700879	0.037418963	0.783770534	0.902005654		2024.183051	-1.209152552
24A	24.00875105	0.048017502	0.890689804	0.03697698	0.887147992	-0.399235768		2021.642463	-1.082123129
27A	27.0131226	0.027013123	1.00178239	0.03690716	0.996354515	-0.54477349		2022.379526	-1.118976298
30A	30.0033156	0.030003316	1.11214192	0.036844397	1.104830964	-0.661726237		2023.346888	-1.167334381
35A	35.031523	0.035031523	1.29740319	0.036940515	1.293459402	-0.304902332		2025.094624	-1.254731191
40A	39.9870876	0.039987088	1.4804643	0.036990712	1.478527736	-0.130979199		2025.737176	-1.286858792
45A	44.9950558	0.044995056	1.66571261	0.036790021	1.654745924	-0.66274136		2025.937226	-1.296861318
50A	49.9626249	0.049962625	1.84846958	0.028346856	1.415660216	-30.57296933		2027.18882	-1.359441022
60A	59.8207362	0.029910368	2.12791604	0.035571546	2.12729293	-0.029291207		2108.426804	-5.421340191

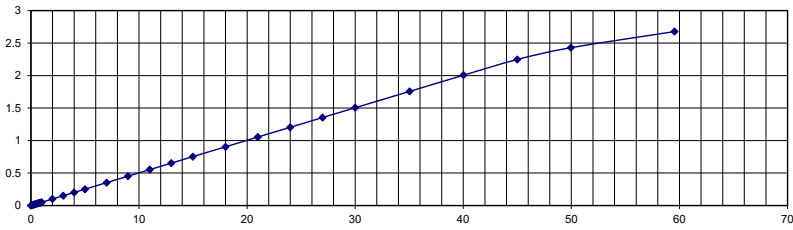
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	100
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60



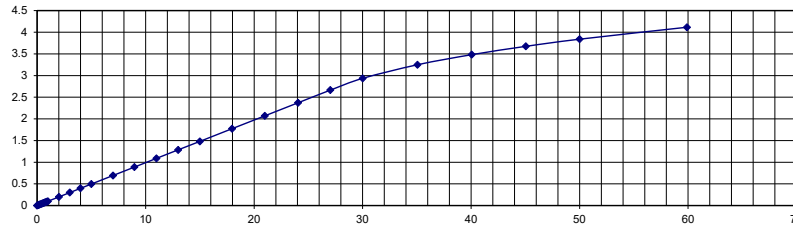
Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000589543	0.000589543	4.09102E-05	0.050365846	-0.00055985	107.3073495	1441.065748	27.94671259
0.1A	0.100651679	0.100651679	0.005080624	0.050466595	0.004490005	-13.15409359	1981.088769	0.945561537
0.2A	0.200321538	0.200321538	0.010110623	0.050347552	0.009496156	-6.470685809	1981.29771	0.935114502
0.3A	0.300543361	0.300543361	0.015156546	0.050506191	0.014589758	-3.884837166	1982.927753	0.853612349
0.4A	0.39965442	0.39965442	0.020162268	0.050251553	0.019493713	-3.429596011	1982.189772	0.890511411
0.5A	0.501045139	0.501045139	0.025257309	0.050401478	0.024663873	-2.406095836	1983.762922	0.811853894
0.6A	0.600125023	0.600125023	0.030251082	0.050491657	0.029711764	-1.815165676	1983.813415	0.809329233
0.7A	0.70076926	0.70076926	0.035332776	0.050262477	0.034632856	-2.020971149	1983.340494	0.832975302
0.8A	0.800376814	0.800376814	0.040339299	0.050457941	0.039795823	-1.365659133	1984.111871	0.794406473
0.9A	0.899737117	0.899737117	0.045352815	0.050316267	0.04468187	-1.501604282	1983.861679	0.806916065
1A	0.999645521	0.999645521	0.050379833	0.050422782	0.049815365	-1.133119309	1984.217619	0.789119033
2A	1.999916	1.999916	0.100816253	0.050319907	0.100046044	-0.769854979	1983.723795	0.813810249
3A	2.99906102	2.99906102	0.151093137	0.050320853	0.150325765	-0.510472522	1984.908831	0.754558428
4A	4.0026835	0.040026835	0.201596276	0.050235082	0.200485589	-0.55399821	1985.494762	0.725261909
5A	4.99981834	0.049998183	0.251687426	0.050299869	0.250900665	-0.313574817	1986.518921	0.674053935
7A	7.02175822	0.035108791	0.353390737	0.050315645	0.352714753	-0.19165173	1986.967253	0.65163734
9A	8.97633218	0.044881661	0.451736387	0.050020864	0.448414345	-0.740842002	1987.073089	0.646345542
11A	11.0074274	0.022014855	0.553333524	0.05013321	0.551248125	-0.378304942	1989.293423	0.535328852
13A	12.9967173	0.025993435	0.653063012	0.050208177	0.651951945	-0.170421638	1990.116889	0.494155532
15A	14.98322285	0.029966446	0.752801835	0.05004388	0.749229068	-0.476859167	1990.327621	0.483618973
18A	18.00916255	0.036018325	0.904231599	0.050240386	0.904197737	-0.003744994	1991.65375	0.417312501
21A	21.0026117	0.042005223	1.05462364	0.049940756	1.048296755	-0.603539488	1991.479321	0.426033974
24A	23.9860157	0.047972031	1.20361709	0.05017734	1.202964927	-0.054212974	1992.827777	0.358611143
27A	26.9911439	0.026991144	1.35440643	0.050027417	1.349707659	-0.348132531	1992.839321	0.358033962
30A	30.0066496	0.03000665	1.50526439	0.049945171	1.498097705	-0.478385676	1993.447118	0.327644102
35A	35.0400333	0.035040033	1.7566576	0.049974828	1.750530097	-0.350037024	1994.699098	0.265045106
40A	40.0255436	0.040025544	2.00580762	0.048570438	1.943468626	-3.207615166	1995.482677	0.225866128
45A	44.9953197	0.04499532	2.24719182	0.036612254	1.64679054	-36.45887353	2002.291006	-0.114550301
50A	49.960315	0.049960315	2.42897149	0.025835494	1.290159871	-88.26903124	2056.850614	-2.842530688
60A	59.554646	0.029777323	2.67684577	0.044947724	2.676256227	-0.022028631	2224.806773	-11.24033866



**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	200
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000643847	0.000643847	4.77421E-05	0.099694384	-0.000579659	108.2362373	2697.187792	-34.85938962
0.1A	0.100053199	0.100053199	0.009958296	0.099593337	0.009320785	-6.839671263	2009.444118	-0.472205876
0.2A	0.20030543	0.20030543	0.019942751	0.09924679	0.019235824	-3.675050968	2008.804453	-0.440222626
0.3A	0.300259782	0.300259782	0.029862899	0.099500618	0.029232187	-2.157594913	2010.921853	-0.54609266
0.4A	0.399869017	0.399869017	0.03977408	0.099599902	0.039183068	-1.508334059	2010.701553	-0.535077625
0.5A	0.500709472	0.500709472	0.049817779	0.099393651	0.049123496	-1.413342628	2010.163773	-0.508188654
0.6A	0.600433858	0.600433858	0.05972975	0.099218388	0.058930233	-1.356717498	2010.501839	-0.525091938
0.7A	0.70102052	0.70102052	0.069709796	0.099490123	0.069100771	-0.881358477	2011.253965	-0.562698245
0.8A	0.799905872	0.799905872	0.079547912	0.099519185	0.078962133	-0.741847379	2011.129775	-0.556488774
0.9A	0.899503391	0.899503391	0.089459776	0.099203739	0.088590253	-0.981510557	2010.967235	-0.548361758
1A	1.00150744	1.00150744	0.099578959	0.098978048	0.098483404	-1.112425632	2011.484053	-0.574202628
2A	2.02082216	2.02082216	0.20046874	0.099798773	0.201031726	0.280048202	2016.097033	-0.804851669
3A	3.01890028	3.01890028	0.300075712	0.098979132	0.298164283	-0.641065783	2012.092388	-0.60461941
4A	4.00390432	0.040039043	0.397570557	0.099139905	0.396302848	-0.319883993	2014.185532	-0.709276618
5A	5.00790636	0.050079064	0.497107224	0.098815576	0.494215304	-0.585153804	2014.819386	-0.740969317
7A	7.00846432	0.035042322	0.694793511	0.098380553	0.688852747	-0.862414218	2017.423654	-0.871182719
9A	8.97732562	0.044886628	0.888491174	0.099003999	0.888147291	-0.038719103	2020.802431	-1.040121531
11A	11.0020448	0.02200409	1.08894647	0.098433182	1.082322431	-0.612020826	2020.676884	-1.033844207
13A	13.00078045	0.026001561	1.28568838	0.09765465	1.268942812	-1.31964717	2022.384374	-1.119218718
15A	14.99779545	0.029995591	1.48070618	0.098645629	1.478823112	-0.127335565	2025.762525	-1.288126251
18A	17.9821503	0.035964301	1.77509974	0.098269407	1.766451396	-0.489588537	2026.043934	-1.302196687
21A	20.9898589	0.041979718	2.07066548	0.098456742	2.065949283	-0.228282308	2027.353921	-1.367696051
24A	24.0541496	0.048108299	2.37236556	0.098104678	2.359180761	-0.558871908	2027.861979	-1.393098962
27A	27.0310321	0.027031032	2.66441166	0.091174158	2.463887739	-8.138516917	2029.043222	-1.452161112
30A	30.0111443	0.030011144	2.93612088	0.062179883	1.86544559	-57.39514976	2044.271713	-2.213585634
35A	35.0646966	0.035064697	3.25035017	0.046447948	1.628039369	-99.64813088	2157.595014	-7.879750692
40A	40.0673772	0.040067377	3.48271442	0.03853353	1.543293628	-125.6676472	2300.92809	-15.04640452
45A	45.0464993	0.045046499	3.67457757	0.03332329	1.500453711	-144.8977628	2451.791992	-22.5895996
50A	50.0069807	0.050006981	3.83987713	0.027852552	1.392178199	-175.8179328	2604.613586	-30.23067928
60A	59.9000464	0.029950023	4.11542426	0.088704859	4.114780413	-0.015647173	2911.00225	-45.55011249



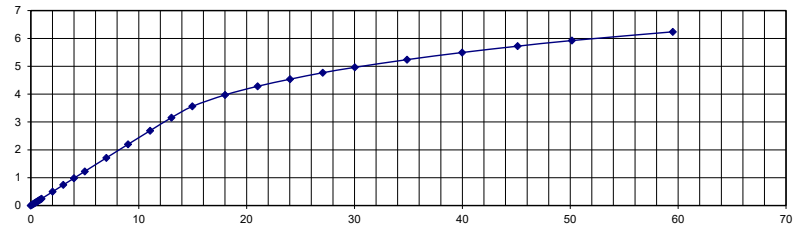
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	500
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000676368	0.000676368	9.42967E-05	0.247329644	-0.000509082	118.5228927	3586.380645	-79.31903226
0.1A	0.10018842	0.10018842	0.024706577	0.246477642	0.024017838	-2.867615333	2027.565761	-1.378288046
0.2A	0.200419309	0.200419309	0.04941125	0.246106088	0.048648045	-1.568831527	2028.073641	-1.403682045
0.3A	0.300225582	0.300225582	0.073974182	0.246630362	0.073368376	-0.825703682	2029.259227	-1.462961365
0.4A	0.400211722	0.400211722	0.0986338	0.246708979	0.098059458	-0.58570774	2028.77575	-1.438787519
0.5A	0.50070811	0.50070811	0.123427161	0.245933447	0.122464504	-0.786070284	2028.354642	-1.417732115
0.6A	0.600461146	0.600461146	0.147959769	0.245982487	0.147026559	-0.634722236	2029.136535	-1.456826754
0.7A	0.699973653	0.699973653	0.172438103	0.246186558	0.171647736	-0.460458455	2029.63742	-1.481871005
0.8A	0.800870876	0.800870876	0.197277643	0.246279163	0.196561442	-0.364365151	2029.806479	-1.490323969
0.9A	0.900477703	0.900477703	0.221808729	0.245679499	0.220552543	-0.569563092	2029.851817	-1.49259083
1A	1.00078869	1.00078869	0.246453082	0.24458969	0.244106228	-0.961407054	2030.383799	-1.519189969
2A	2.02407536	2.02407536	0.496738451	0.247367504	0.500014102	0.655111625	2037.365293	-1.868264674
3A	3.0074849	3.0074849	0.740002014	0.243185486	0.730700308	-1.272985064	2032.078861	-1.603943067
4A	4.00788039	0.040078804	0.983283677	0.244667988	0.979923662	-0.342885404	2038.008198	-1.900409916
5A	5.00360237	0.050036024	1.22690497	0.242854058	1.214468773	-1.024003051	2039.115699	-1.955784929
7A	7.0046783	0.035023392	1.71287438	0.24172961	1.692561785	-1.200109529	2044.71454	-2.235727001
9A	9.01313916	0.045065696	2.19837884	0.239462864	2.157635746	-1.888321224	2049.951309	-2.497565433
11A	11.05304135	0.022106083	2.68685966	0.236451606	2.612833006	-2.833194988	2056.869868	-2.843493415
13A	13.0378472	0.026075694	3.15617019	0.207752403	2.707967716	-16.5512488	2065.453764	-3.27268822
15A	14.98233465	0.029964669	3.56014213	0.13598557	2.036704946	-74.79911053	2104.176477	-5.208823854
18A	18.00448855	0.036008977	3.97111145	0.103012234	1.854006219	-114.1908376	2266.933172	-13.34665859
21A	21.02976155	0.042059523	4.28275158	0.084493928	1.77621079	-141.1173046	2455.169435	-22.75847173
24A	24.03234595	0.048064692	4.53645173	0.076603011	1.840273685	-146.5096234	2648.804328	-32.44021639
27A	27.0596925	0.027059693	4.76835559	0.064869144	1.754662723	-171.753399	2837.423928	-41.87119642
30A	30.0327362	0.030032736	4.96121439	0.057256088	1.718880611	-188.63054	3026.752508	-51.33762542
35A	34.8781455	0.034878146	5.23864357	0.050083609	1.746147022	-200.0115972	3328.929048	-66.44645238
40A	39.9797112	0.039979711	5.49414839	0.044180498	1.76564718	-211.1690972	3638.390189	-81.91950946
45A	45.1206854	0.045120685	5.72127919	0.040297478	1.81757345	-214.7756801	3943.234013	-97.16170065
50A	50.1512794	0.050151279	5.92399944	0.033482498	1.67851376	-252.9312408	4232.890289	-111.6445144
60A	59.5114304	0.029755715	6.23740068	0.104810129	6.236724312	-0.010844917	4770.531304	-138.5265652

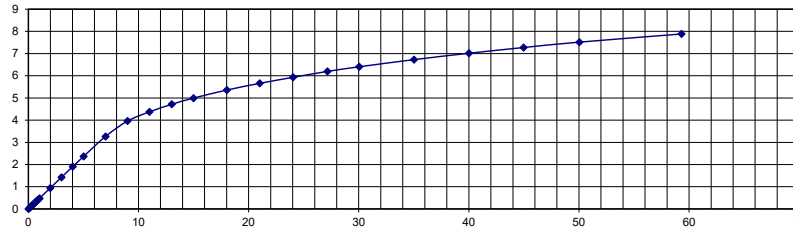
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8348-2000-F
<b>Lot #:</b>	30137
<b>URNS/RATIO:</b>	2000
<b>DATE:</b>	June 17, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	50
<b>Burden (Ohms):</b>	1000
<b>MEASUREMENT CT TURNS RATIO:</b>	2000
<b>FREQUENCY(Hz):</b>	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000709131	0.000709131	0.000183121	0.477866229	-0.000370261	149.4571918	3872.476246	-93.6238123
0.1A	0.100448507	0.100448507	0.0478452	0.477842462	0.047289431	-1.17525035	2099.447936	-4.972396782
0.2A	0.200985873	0.200985873	0.095886223	0.476871062	0.095135216	-0.789410055	2096.087082	-4.804354125
0.3A	0.300321855	0.300321855	0.143256678	0.477058505	0.142561964	-0.487306455	2096.389915	-4.819495745
0.4A	0.400451576	0.400451576	0.191024413	0.477498969	0.190506084	-0.272080173	2096.337163	-4.816858147
0.5A	0.500110941	0.500110941	0.238611657	0.4774794	0.238083541	-0.221819439	2095.919987	-4.795999342
0.6A	0.601427182	0.601427182	0.286988075	0.477169039	0.2862733	-0.249682796	2095.65217	-4.782608476
0.7A	0.700134789	0.700134789	0.334088289	0.476353692	0.332802661	-0.386303497	2095.65798	-4.78289902
0.8A	0.799751206	0.799751206	0.381540937	0.476951916	0.380733739	-0.2120111	2096.108513	-4.805425636
0.9A	0.900239906	0.900239906	0.429469215	0.477165742	0.428854512	-0.1433361	2096.168653	-4.80843266
1A	0.99976821	0.99976821	0.476960712	0.47265539	0.471836702	-1.085971014	2096.122772	-4.806138624
2A	1.98141709	1.98141709	0.940942346	0.475538459	0.9415309	0.062510293	2105.779486	-5.288974315
3A	2.99588901	2.99588901	1.42336276	0.46942007	1.405621299	-1.262179291	2104.796538	-5.239826915
4A	4.02340658	0.040234066	1.90570013	0.465020701	1.870258216	-1.895027846	2111.248521	-5.562426026
5A	5.0076367	0.050076367	2.36338751	0.452054979	2.263017973	-4.43520722	2118.838607	-5.941930361
7A	7.00148608	0.03500743	3.26471705	0.348011589	2.435889165	-34.02568132	2144.592004	-7.229600188
9A	8.99409978	0.044970499	3.95816971	0.207597965	1.866447677	-112.069685	2272.287557	-13.61437784
11A	10.9955629	0.021991126	4.37366938	0.168509059	1.852142829	-136.1410423	2514.036143	-25.70180716
13A	13.01705125	0.026034103	4.71430848	0.141251751	1.837972149	-156.4950989	2761.179355	-38.05896777
15A	14.9921113	0.029984223	4.99328917	0.119931912	1.79732345	-177.8180617	3002.452049	-50.12260245
18A	18.01193115	0.036023862	5.35546194	0.101329644	1.824433434	-193.5410983	3363.282449	-68.16412246
21A	20.99346685	0.041986934	5.65757989	0.089436649	1.876876194	-201.4359662	3710.6797	-85.53398501
24A	24.0370602	0.04807412	5.92978868	0.085548848	2.055633671	-188.4652438	4053.611604	-102.6805802
27A	27.1482467	0.027148247	6.1959471	0.072101649	1.956724234	-216.6489683	4381.6137	-119.080685
30A	30.0459094	0.030045909	6.40487336	0.064733362	1.9442636	-229.4241253	4691.101246	-134.5550623
35A	35.0103883	0.035010388	6.72624077	0.057631358	2.0169871	-233.4796128	5205.045358	-160.2522679
40A	40.0014225	0.040001423	7.01388085	0.052061469	2.08182368	-236.9104175	5703.179646	-185.1589823
45A	44.9669378	0.044966938	7.27239287	0.048003052	2.15784112	-237.0217021	6183.238255	-209.1619128
50A	50.0337646	0.050033765	7.51561602	0.039564031	1.978828267	-279.8013272	6657.307194	-232.8653597
60A	59.305027	0.029652514	7.88242453	0.132913261	7.881715399	-0.008997163	7523.703751	-276.1851875