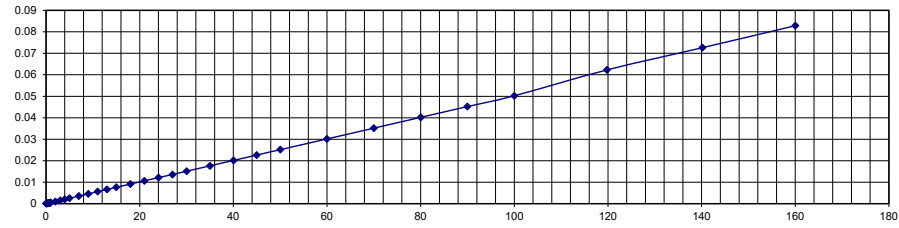


**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb



**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.000822624	0.000822624	2.93409E-05	0.00030781	-0.000822371	103.5678434	28.03676578	98.59816171
0.1A	0.100026059	0.100026059	5.98767E-05	0.000458677	-0.000776745	107.7086706	1670.534059	16.47329706
0.2A	0.201559562	0.201559562	0.000106448	0.000539503	-0.000713882	114.9111142	1893.505651	5.324717432
0.3A	0.300999004	0.300999004	0.000160096	0.000527494	-0.000663849	124.1162724	1880.118982	5.994050897
0.4A	0.400717387	0.400717387	0.000212697	0.000474751	-0.000632383	133.6341171	1883.986312	5.800684383
0.5A	0.500451735	0.500451735	0.000260046	0.000447628	-0.000598608	143.4416788	1924.477056	3.776147182
0.6A	0.600360214	0.600360214	0.000304767	0.000488725	-0.000529214	157.5887127	1969.896685	1.505165771
0.7A	0.699605011	0.699605011	0.000353271	0.000533244	-0.000449564	178.5806682	1980.365073	0.981746356
0.8A	0.801487833	0.801487833	0.000407599	0.000536444	-0.000392671	203.8015845	1966.363045	1.681847747
0.9A	0.899246123	0.899246123	0.000460041	0.000503895	-0.000369499	224.5041077	1954.708945	2.264552738
1A	0.996815698	0.996815698	0.000509206	0.000496584	-0.000327621	255.425115	1957.58913	2.120543491
2A	2.00897422	2.00897422	0.001011828	0.000502487	0.000188859	-441.4941361	1985.489925	0.72550377
3A	3.04699322	3.04699322	0.001533419	0.00049977	0.000700172	-119.005972	1987.058747	0.647062633
4A	4.00032659	0.040003266	0.002009866	0.000496794	0.001164715	-72.5629462	1990.344468	0.482776602
5A	5.00617467	0.050061747	0.002509566	0.000511441	0.001737739	-44.41556597	1994.836785	0.258160768
7A	7.00111202	0.03500556	0.003529859	0.000499684	0.002675717	-31.92197533	1983.397009	0.830149561
9A	9.02230138	0.045111507	0.004539815	0.000538686	0.004037566	-12.43940137	1987.372229	0.631388565
11A	11.012095	0.02202419	0.005611689	0.000502013	0.004705587	-19.25587043	1962.349447	1.882527669
13A	13.0189254	0.026037851	0.006619143	0.000502708	0.005722095	-15.67693022	1966.859522	1.657023906
15A	15.01108885	0.030022178	0.00762062	0.000502723	0.0067238	-13.3379884	1969.798848	1.510057611
18A	18.01157335	0.036023147	0.009129034	0.000501381	0.008208029	-11.22078466	1972.998865	1.350056726
21A	21.0260812	0.042052162	0.01064045	0.000501777	0.009727787	-9.382018521	1976.05197	1.197401482
24A	24.0163547	0.048032709	0.012140901	0.000481456	0.010740186	-13.04181654	1978.136112	1.093194401
27A	27.0024616	0.027002462	0.013578579	0.000502869	0.012756086	-6.447845596	1988.607306	0.569634712
30A	30.0300439	0.030030044	0.015101058	0.000502757	0.014275195	-5.785299101	1988.605361	0.569731954
35A	35.0077038	0.035007704	0.017603612	0.000503201	0.016793281	-4.825328883	1988.665996	0.566700188
40A	40.0481402	0.04004814	0.020139963	0.000502459	0.019299934	-4.352497404	1988.49122	0.575438983
45A	45.0055181	0.045005518	0.022630844	0.000502772	0.021804895	-3.787903235	1988.680524	0.565973817
50A	50.0514361	0.050051436	0.025167791	0.000499064	0.024156236	-4.18755098	1988.70997	0.564501478
60A	59.9991458	0.029999573	0.030132333	0.000502122	0.029304275	-2.825721318	1991.188229	0.440588527
70A	70.0135394	0.03500677	0.035160781	0.000502925	0.034388928	-2.244481383	1991.23958	0.438020983
80A	80.0536248	0.040026812	0.04021019	0.000502231	0.039382775	-2.1009571	1990.879033	0.456048327
90A	89.9887428	0.044994371	0.045199913	0.000502085	0.044359366	-1.894856965	1990.905221	0.454738928
100A	99.9986128	0.049999306	0.050225718	0.000608654	0.060041894	16.34887848	1990.984244	0.450787783
120A	119.797934	0.029949484	0.062276647	0.000507536	0.059979124	-3.830537319	1923.641377	3.817931173
140A	140.2023424	0.035050586	0.072632616	0.00051642	0.071580674	-1.469588984	1930.294555	3.485272256
160A	160.028124	0.040007031	0.082871046	0.000502208	0.07954473	-4.181693604	1931.049878	3.447506124
180A	180.1191064	0.045029777	0.092960892	0.000501541	0.089514444	-3.85015912	1937.579364	3.121031792
200A	200.0603	0.050015075	0.102962213	0.00044009	0.087221891	-18.04629704	1943.045843	2.847707829
240A	240.3704328	0.040061739	0.120702295	0.000502151	0.119879671	-0.686208485	1991.432166	0.428391689

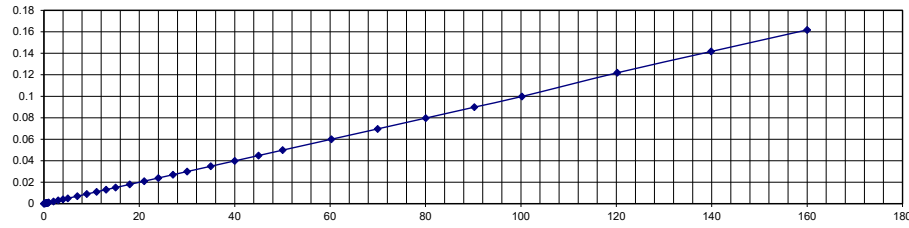
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.000593076	0.000593076	2.98688E-05	0.000861836	-0.000592564	105.040594	39.71208842	98.01439558
0.1A	0.100031808	0.100031808	0.000115569	0.000989926	-0.000494052	123.3920272	1731.123303	13.44383485
0.2A	0.200050005	0.200050005	0.000214579	0.000966794	-0.000399668	153.6893222	1864.579385	6.771030767
0.3A	0.299793582	0.299793582	0.000311011	0.000947348	-0.000309067	200.6289821	1927.866693	3.606665336
0.4A	0.399952221	0.399952221	0.000405896	0.000965865	-0.000206776	296.2975289	1970.713852	1.464307403
0.5A	0.500932598	0.500932598	0.000503429	0.001006889	-8.86919E-05	667.6158786	1990.081715	0.495914247
0.6A	0.601008154	0.601008154	0.000604194	0.001047118	3.62511E-05	-1566.692313	1989.453616	0.527319209
0.7A	0.70108783	0.70108783	0.000708989	0.001015581	0.000118936	-496.110705	1977.710187	1.11449063
0.8A	0.800450346	0.800450346	0.000809099	0.000957055	0.000172999	-368.1519878	1976.664325	1.166783738
0.9A	0.899591079	0.899591079	0.000904783	0.000958126	0.000268846	-236.5427455	1988.52282	0.573858982
1A	1.00014842	1.00014842	0.00100113	0.000995271	0.000402343	-148.8250562	1998.039235	0.098038226
2A	2.02373753	2.02373753	0.002019878	0.001000499	0.001431673	-41.08519904	2003.821349	-0.191067461
3A	3.01345401	3.01345401	0.003010089	0.001001159	0.002423872	-24.18516023	2002.235848	-0.111792377
4A	3.99870844	0.039987084	0.003996486	0.001003	0.003417629	-16.93737178	2001.112437	-0.05562187
5A	5.00672524	0.050067252	0.005007526	0.000979725	0.004312136	-16.12634687	1999.68003	0.015998518
7A	7.00978658	0.035048933	0.006969975	0.00097648	0.006400224	-8.902048832	2011.423783	-0.571189149
9A	9.01308318	0.045065416	0.00896856	0.001019753	0.008598043	-4.309308885	2009.928807	-0.496440363
11A	11.0484182	0.022096836	0.011044099	0.000991865	0.010365461	-6.547107987	2000.782228	-0.039111385
13A	13.04411775	0.026088236	0.013023563	0.000994364	0.012377525	-5.219442175	2003.156594	-0.1578297
15A	15.0320277	0.030064055	0.015000269	0.000991375	0.014309295	-4.828848743	2004.234457	-0.211722874
18A	18.012113	0.036024226	0.01795465	0.000993154	0.017295721	-3.809778373	2006.40096	-0.320048019
21A	21.02759745	0.042055195	0.020949489	0.000993166	0.02029082	-3.246141616	2007.456836	-0.372841791
24A	24.0021784	0.048004357	0.023903742	0.000995666	0.023305074	-2.568829431	2008.236083	-0.411804147
27A	27.0812256	0.027081226	0.026969444	0.000993456	0.026310925	-2.502833307	2008.2895	-0.414474989
30A	30.0331579	0.030033158	0.029902058	0.000995138	0.02929407	-2.075464742	2008.7686	-0.438430019
35A	34.9976174	0.034997617	0.034842382	0.000994793	0.034222319	-1.811867558	2008.910717	-0.445535841
40A	40.0166689	0.040016669	0.039835301	0.000997567	0.039326221	-1.29450496	2009.105898	-0.455294918
45A	44.9931284	0.044993128	0.044799651	0.000997774	0.044299913	-1.128079564	2008.637447	-0.431872337
50A	50.0460719	0.050046072	0.049841348	0.000992198	0.049062529	-1.587401202	2008.215006	-0.410750324
60A	60.2659818	0.030132991	0.059981521	0.000992501	0.059220944	-1.284304647	2009.484948	-0.474247394
70A	69.9782226	0.034989111	0.069620925	0.000998718	0.069295452	-0.46968932	2010.264081	-0.513204039
80A	80.0726378	0.040036319	0.079702402	0.001000554	0.079623897	-0.224467379	2009.29046	-0.464523015
90A	90.234522	0.045117261	0.089869912	0.000996403	0.089316885	-0.619196531	2008.114164	-0.405708196
100A	100.2091908	0.050104595	0.099808702	0.001104203	0.110058188	9.312788737	2008.025138	-0.401256898
120A	120.1929416	0.030048235	0.121874814	0.001006756	0.120411853	-1.2149641	1972.400001	1.379999973
140A	139.9027044	0.034975676	0.14171773	0.001000031	0.139313952	-1.725439182	1974.385342	1.280732905
160A	160.009684	0.040002421	0.161825331	0.000999294	0.159303619	-1.582959594	1977.56041	1.121979476
180A	179.995786	0.044998947	0.18179732	0.001024743	0.183856389	1.119933483	1980.180852	0.990957402
200A	199.9626784	0.04999067	0.202258258	0.000926453	0.184662981	-9.528318658	1977.300511	1.134974474
240A	241.076067	0.040179345	0.240347887	0.000996979	0.239754811	-0.247367537	2006.059383	-0.302969171

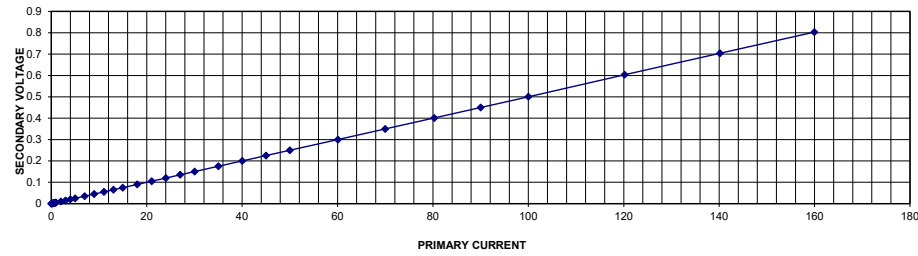
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.000486258	0.000486258	2.61708E-05	0.004835691	-0.000483906	105.4082371	185.8016161	90.70991919
0.1A	0.100050227	0.100050227	0.000507631	0.005004186	1.44122E-05	-3422.242545	1970.922872	1.45385638
0.2A	0.200443806	0.200443806	0.001010019	0.004995101	0.000514979	-96.12815773	1984.553862	0.772306887
0.3A	0.300694977	0.300694977	0.001510784	0.00496253	0.00100595	-50.18478877	1990.323787	0.483810653
0.4A	0.399879765	0.399879765	0.002002992	0.004921365	0.001481696	-35.18233503	1996.412442	0.179377923
0.5A	0.500384889	0.500384889	0.002497614	0.0049876	0.002009462	-24.29267272	2003.451562	-0.172578101
0.6A	0.601407046	0.601407046	0.003001472	0.00506074	0.002557307	-17.36847231	2003.706834	-0.18534171
0.7A	0.700640539	0.700640539	0.003503667	0.00506007	0.003021154	-15.97116127	1999.734858	0.01325711
0.8A	0.798527248	0.798527248	0.003993689	0.004977741	0.003488604	-14.47813281	1999.472913	0.026354332
0.9A	0.89775204	0.89775204	0.004487604	0.004960673	0.003967197	-13.11775669	2000.515259	-0.025762968
1A	1.00145261	1.00145261	0.005002029	0.005009386	0.004530405	-10.41017942	2002.092887	-0.104644341
2A	2.01645196	2.01645196	0.010086553	0.005002104	0.009600244	-5.065588168	1999.148787	0.042560626
3A	2.99450727	2.99450727	0.014978887	0.005026057	0.014564306	-2.846554144	1999.152093	0.04239534
4A	4.00478515	0.040047852	0.020056601	0.005011558	0.019583955	-2.413431381	1996.741726	0.162913699
5A	5.00536329	0.050053633	0.025071056	0.00493764	0.024228423	-3.477868985	1996.470859	0.176457066
7A	6.99607156	0.034980358	0.034900457	0.004998111	0.034480887	-1.216816457	2004.578811	-0.228940558
9A	8.98687668	0.044934383	0.044850722	0.004992879	0.044384131	-1.051257907	2003.730647	-0.186532336
11A	11.03429535	0.022068591	0.055073236	0.004998954	0.054673677	-0.730807843	2003.567637	-0.178381837
13A	13.0195274	0.026039055	0.06499732	0.004991873	0.064505567	-0.762341946	2003.086813	-0.154340672
15A	14.999553	0.029999106	0.074881356	0.004985062	0.074287443	-0.799478643	2003.109169	-0.155458457
18A	18.02180735	0.036043615	0.089947481	0.004990403	0.089449821	-0.55635585	2003.592228	-0.179611423
21A	21.05816505	0.04211633	0.105100129	0.004994264	0.104683771	-0.397729555	2003.628849	-0.181442451
24A	24.01954815	0.048039096	0.119890057	0.005057057	0.120981962	0.902534993	2003.46457	-0.173228502
27A	27.0129381	0.027012938	0.1350278	0.004998746	0.13454456	-0.35916693	2000.546413	-0.02732067
30A	30.0561719	0.030056172	0.150240153	0.004999771	0.149787718	-0.302050629	2000.541886	-0.027094288
35A	35.0273338	0.035027334	0.175094824	0.005001884	0.174716409	-0.21658793	2000.47797	-0.023898479
40A	40.0127693	0.040012769	0.200031395	0.005003657	0.199723918	-0.153950853	2000.324464	-0.016223203
45A	45.0035106	0.045003511	0.225003353	0.005003474	0.224687639	-0.14051236	2000.12622	-0.006311017
50A	50.0210166	0.050021017	0.250108314	0.004972929	0.248264683	-0.742606969	1999.974163	0.00129184
60A	60.0842704	0.030042135	0.300152156	0.005009938	0.300532231	0.126467175	2001.79373	-0.089686512
70A	69.992691	0.034996346	0.349792732	0.005012588	0.350358247	0.161410522	2000.976138	-0.048806903
80A	80.2677678	0.040133884	0.401297456	0.005016829	0.402203437	0.225254517	2000.206246	-0.10312301
90A	90.0162002	0.0450081	0.450203678	0.005007632	0.450281739	0.017336053	1999.455016	0.027249222
100A	100.0388508	0.050019425	0.500393423	0.005116215	0.511333989	2.139612559	1999.20395	0.039802482
120A	120.1793872	0.030044847	0.603436733	0.005030705	0.604100735	0.109915767	1991.582226	0.420888697
140A	140.157226	0.035039307	0.703939338	0.005009595	0.70164471	-0.32703564	1991.041251	0.447937461
160A	159.9664928	0.039991623	0.803175746	0.005017602	0.802161963	-0.126381278	1991.674843	0.416257839
180A	180.1848536	0.045046213	0.904623437	0.005036312	0.906980833	0.259916811	1991.821638	0.408918103
200A	199.9568432	0.049989211	1.00420134	0.005003609	1.000019549	-0.418170969	1991.202712	0.43986438
240A	240.853776	0.040142296	1.20883359	0.005018952	1.208347332	-0.040241555	1992.447745	0.37761277

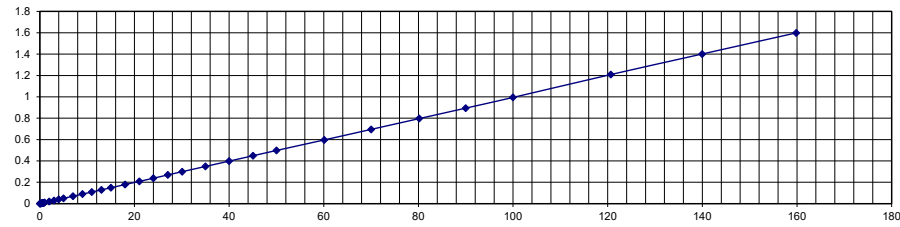
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.000637721	0.000637721	2.81644E-05	0.009691855	-0.00063154	104.4596437	452.8553273	77.35723363
0.1A	0.100898482	0.100898482	0.000999877	0.009807062	0.000351797	-184.219958	2018.217566	-0.910878296
0.2A	0.201542381	0.201542381	0.001986898	0.009848971	0.001347264	-47.47649708	2028.713762	-1.435688085
0.3A	0.300514217	0.300514217	0.002961669	0.009883202	0.002332322	-26.98369974	2029.357299	-1.467864974
0.4A	0.401010382	0.401010382	0.003954893	0.00990347	0.003333673	-18.63467953	2027.920357	-1.396017861
0.5A	0.500803996	0.500803996	0.004943196	0.009913972	0.004327236	-14.23448313	2026.235703	-1.311785168
0.6A	0.600348927	0.600348927	0.005930082	0.010133665	0.005446014	-8.888472338	2024.757751	-1.237887534
0.7A	0.69942014	0.69942014	0.006934036	0.009842824	0.006246549	-11.00587109	2017.353645	-0.867682256
0.8A	0.801524678	0.801524678	0.007939033	0.009764922	0.007189106	-10.43144267	2019.199754	-0.95987691
0.9A	0.900412746	0.900412746	0.008904667	0.009906742	0.008282436	-7.512661887	2022.338869	-1.116943463
1A	0.999957586	0.999957586	0.009890832	0.009931413	0.009293271	-6.43004367	2021.988738	-1.099436889
2A	1.99493677	1.99493677	0.019772382	0.009927779	0.01916757	-3.155391076	2017.902355	-0.895117764
3A	2.99689457	2.99689457	0.029719597	0.009927937	0.029115261	-2.075666414	2016.7801	-0.839004989
4A	3.99727003	0.0399727	0.039651262	0.009945444	0.039116905	-1.36605044	2016.21328	-0.810663987
5A	4.99986673	0.049998667	0.049622531	0.009922881	0.04897536	-1.321423034	2015.159888	-0.757994383
7A	6.99599632	0.034979982	0.069429887	0.009942102	0.068917187	-0.743936654	2015.269401	-0.763470062
9A	9.00901958	0.045045098	0.089443569	0.009885346	0.088419557	-1.158128757	2014.45888	-0.722943984
11A	10.99752385	0.021995048	0.109100622	0.009932121	0.108591018	-0.469287029	2016.033208	-0.801660416
13A	13.0402145	0.026080429	0.129388873	0.009938084	0.128957031	-0.334872851	2015.662429	-0.783121436
15A	15.02760385	0.030055208	0.149139716	0.009918365	0.148411533	-0.490651357	2015.238362	-0.761918106
18A	18.01247195	0.036024944	0.178744726	0.009911422	0.177891492	-0.479637107	2015.440942	-0.772047115
21A	21.0386963	0.042077393	0.208738913	0.009919602	0.20805777	-0.327381605	2015.790539	-0.789526963
24A	23.97988985	0.04795978	0.237914382	0.010170713	0.243254863	2.195426086	2015.841972	-0.792098605
27A	27.0473758	0.027047376	0.269112902	0.009971824	0.269073942	-0.014479277	2010.113644	-0.505682184
30A	30.0922388	0.030092239	0.299475739	0.009965527	0.299247306	-0.076335813	2009.66121	-0.483060499
35A	35.0060383	0.035006038	0.348444342	0.009964439	0.348177796	-0.076554505	2009.275748	-0.463787413
40A	40.0016985	0.040001699	0.398223291	0.009972475	0.398278206	0.013788026	2009.008484	-0.450424182
45A	45.0604999	0.0450605	0.44867206	0.009961775	0.448244839	-0.095309791	2008.616266	-0.430813321
50A	50.024471	0.050024471	0.498122023	0.009786106	0.48890705	-1.884810803	2008.522759	-0.426137955
60A	60.124212	0.030062106	0.596959158	0.009946709	0.597400346	0.07385131	2014.349263	-0.717463153
70A	70.01236	0.03500618	0.695313693	0.009963145	0.69690554	0.228416427	2013.835214	-0.691760719
80A	80.1889998	0.0400945	0.796705026	0.009962305	0.79822955	0.190988231	2013.016039	-0.650801969
90A	90.0157064	0.045007853	0.894601674	0.010010105	0.900428924	0.647163793	2012.419807	-0.620990343
100A	100.002357	0.050001179	0.994569092	0.010380969	1.037483689	4.13641176	2010.968525	-0.548426253
120A	120.6747248	0.030168681	1.20916831	0.009950377	1.200121264	-0.753844297	1995.995492	0.200225393
140A	139.9654696	0.034991367	1.40111849	0.009953792	1.392549468	-0.615347773	1997.910535	0.104473248
160A	159.8248536	0.039956213	1.59879467	0.009946049	1.588988094	-0.617158542	1999.316818	0.034159108
180A	180.0987816	0.045024695	1.80044015	0.009996682	1.799752554	-0.038205017	2000.608369	-0.030418451
200A	199.9025612	0.04997564	1.99841224	0.009810746	1.960555622	-1.930912704	2000.613859	-0.030692967
240A	241.342725	0.040223788	2.40497118	0.009964962	2.404333459	-0.026523806	2007.032159	-0.351607956

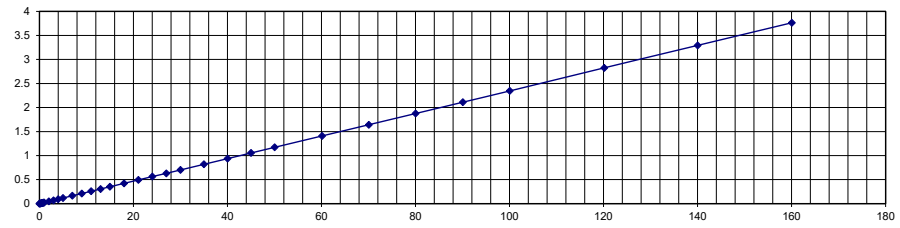
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.000539099	0.000539099	2.75406E-05	0.02292134	-0.000526742	105.2284812	920.0104949	53.99947526
0.1A	0.10000685	0.10000685	0.002307475	0.023048202	0.00176588	-30.6699961	2036.998252	-1.849912583
0.2A	0.200333338	0.200333338	0.00461982	0.023193019	0.004107236	-12.480013	2038.102586	-1.90512931
0.3A	0.30097489	0.30097489	0.006954001	0.02329207	0.00647123	-7.460277275	2034.198617	-1.70930871
0.4A	0.400339876	0.400339876	0.009268418	0.023289976	0.008784808	-5.505071063	2030.11724	-1.505861986
0.5A	0.500750605	0.500750605	0.011606981	0.023319693	0.011138252	-4.208283597	2027.683033	-1.384151637
0.6A	0.600557751	0.600557751	0.013934453	0.023318422	0.01346496	-3.486772908	2025.642076	-1.282103779
0.7A	0.699258933	0.699258933	0.016236009	0.023354911	0.015792031	-2.811401547	2024.214834	-1.210741679
0.8A	0.797930494	0.797930494	0.018540474	0.023355073	0.018096626	-2.452656239	2022.749397	-1.13746987
0.9A	0.900014303	0.900014303	0.020924649	0.023392008	0.020514043	-2.001583692	2021.571403	-1.078570156
1A	1.00190016	1.00190016	0.023307964	0.02340989	0.022915274	-1.713660478	2020.309784	-1.015489217
2A	2.00174665	2.00174665	0.04671426	0.023425693	0.046353203	-0.778925593	2013.990849	-0.699542439
3A	3.00441847	3.00441847	0.070202542	0.023467991	0.069968567	-0.334400277	2011.432405	-0.571620248
4A	3.99818319	0.039981832	0.093524204	0.023483588	0.093352586	-0.183837701	2009.261803	-0.46309014
5A	5.00515912	0.050051591	0.117171611	0.0235883	0.117524098	0.299927518	2007.674697	-0.383734862
7A	6.99881976	0.034994099	0.164198677	0.022979803	0.160292402	-2.436968052	2003.332394	-0.16661971
9A	9.00255824	0.045012791	0.210244193	0.023907876	0.214692948	2.072147819	2012.518069	-0.625903442
11A	11.01305285	0.022026106	0.258310849	0.02350458	0.258318083	0.00280055	2003.839506	-0.19197528
13A	13.02431325	0.026048627	0.30558468	0.023470755	0.305151372	-0.141997765	2003.185247	-0.159262361
15A	15.0021386	0.030004277	0.352005735	0.02346101	0.351426232	-0.164900226	2003.093825	-0.154691258
18A	18.0129567	0.036025913	0.42264257	0.023448916	0.421845211	-0.189017015	2003.132256	-0.156612821
21A	21.05584405	0.042111688	0.49399498	0.023469736	0.493636001	-0.072721345	2003.309164	-0.165458195
24A	24.02043305	0.048040866	0.563573101	0.022618039	0.54275599	-3.835445585	2003.219017	-0.160950846
27A	26.9941108	0.026994111	0.63083186	0.023455112	0.632610782	0.281203304	2011.190759	-0.559537973
30A	30.0011173	0.030001117	0.701361533	0.023469389	0.703568779	0.313721415	2010.450312	-0.522515618
35A	35.0060771	0.035006077	0.818824879	0.023531561	0.823208533	0.532508335	2009.325395	-0.466269766
40A	40.0283041	0.040028304	0.937005719	0.023510737	0.940555846	0.377449939	2007.810897	-0.390544825
45A	45.012332	0.045012332	1.05418389	0.023504625	1.057458899	0.309705518	2006.841144	-0.34205721
50A	50.0442748	0.050044275	1.17245782	0.023467353	1.173867549	0.120092693	2006.111329	-0.305566455
60A	60.1463316	0.030073166	1.40952635	0.023464721	1.410777765	0.088703907	2005.551429	-0.277571441
70A	70.061735	0.035030868	1.64218852	0.023413286	1.639836364	-0.143438461	2005.190942	-0.259547089
80A	80.0142238	0.040007112	1.87520899	0.023434798	1.874578044	-0.033658003	2005.466345	-0.273317232
90A	90.0873622	0.045043681	2.11127095	0.023488876	2.115511758	0.200462494	2005.477328	-0.273866398
100A	100.0464042	0.050023202	2.34519765	0.023912868	2.391857347	1.950772552	2005.02546	-0.251273009
120A	120.1487492	0.030037187	2.82590237	0.023525887	2.826066814	0.005818843	1998.296641	0.0058167974
140A	140.0169972	0.035004249	3.29332053	0.023478782	3.286889513	-0.195656636	1998.226048	0.088697586
160A	160.0445792	0.040011145	3.76354377	0.023472012	3.756029116	-0.200069102	1998.673506	0.066324692
180A	180.129908	0.045032477	4.23498684	0.023486235	4.230034251	-0.117081546	1999.086655	0.045667249
200A	199.8786272	0.049969657	4.69880099	0.023388309	4.674283907	-0.524700547	1999.292518	0.035374081
240A	240.4983252	0.040083054	5.64883593	0.023488047	5.648296831	-0.009544445	2001.017807	-0.050890347

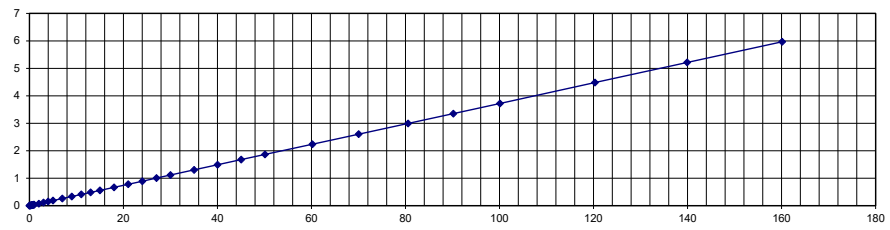
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.000509086	0.000509086	3.31137E-05	0.036251196	-0.000490631	106.7492042	1153.041253	42.34793735
0.1A	0.100927537	0.100927537	0.003673403	0.036439675	0.00316868	-15.92846579	2060.641317	-3.032065856
0.2A	0.200123239	0.200123239	0.007288062	0.036765159	0.006848477	-6.418729795	2059.428613	-2.971430672
0.3A	0.300054123	0.300054123	0.010962037	0.03684113	0.010545247	-3.952394736	2052.908601	-2.64543007
0.4A	0.400852695	0.400852695	0.01467557	0.036943622	0.014299864	-2.627336748	2048.571356	-2.428567783
0.5A	0.500333788	0.500333788	0.018350762	0.036956639	0.017981569	-2.053172768	2044.876093	-2.243804669
0.6A	0.599911471	0.599911471	0.022030818	0.036990646	0.021682027	-1.608667182	2042.291835	-2.114591733
0.7A	0.699823057	0.699823057	0.025726612	0.037004596	0.025387584	-1.335412048	2040.172583	-2.008629156
0.8A	0.800116563	0.800116563	0.029437933	0.037011682	0.029104573	-1.145386147	2038.483545	-1.924177253
0.9A	0.899525121	0.899525121	0.033117211	0.03702954	0.032799916	-0.967366359	2037.139664	-1.856983179
1A	0.999892929	0.999892929	0.036833785	0.037095251	0.036582193	-0.687743624	2035.956122	-1.79780612
2A	1.99315421	1.99315421	0.073679061	0.037110461	0.073457786	-0.301227519	2028.88803	-1.444401509
3A	3.01106124	3.01106124	0.111454061	0.037597115	0.112698131	1.103895427	2026.212333	-1.310616667
4A	4.00668563	0.040066856	0.148886666	0.037188603	0.148493953	-0.264463862	2018.323268	-0.916163389
5A	5.00046855	0.050004686	0.185844064	0.036505308	0.182034559	-2.092737179	2018.009794	-0.900489684
7A	7.00607496	0.035030375	0.259059344	0.037024458	0.258887044	-0.066553932	2028.321441	-1.416072064
9A	9.0020516	0.045010258	0.332959298	0.037093667	0.333410015	0.135184096	2027.736946	-1.38684729
11A	11.02482165	0.022049643	0.407991256	0.03708502	0.408346647	0.087031785	2026.665061	-1.333253053
13A	13.0128711	0.026025742	0.48171811	0.037010968	0.481109869	-0.126424608	2026.00922	-1.300461021
15A	15.00681725	0.030013635	0.555515987	0.037017846	0.55501096	-0.090994086	2026.064632	-1.303231598
18A	18.0148994	0.036029799	0.666868708	0.036995786	0.665966283	-0.135506084	2026.06216	-1.303108002
21A	21.03144085	0.042062882	0.778468031	0.037073304	0.779195917	0.093414981	2026.233578	-1.311678896
24A	24.03406715	0.048068134	0.889785309	0.038718018	0.930042347	4.328516616	2025.83142	-1.291571013
27A	27.0502074	0.027050207	1.00656428	0.037115174	1.003464073	-0.308950433	2015.535019	-0.776750939
30A	30.00559	0.03000559	1.11625382	0.037400994	1.12172981	0.488173684	2016.04618	-0.802309012
35A	35.0380196	0.03503802	1.30447169	0.037234737	1.304122361	-0.026786485	2014.494826	-0.724741294
40A	40.0277954	0.040027795	1.49026468	0.037311808	1.493000342	0.183232488	2014.464072	-0.723203579
45A	45.0349033	0.045034903	1.67708893	0.037185609	1.674141232	-0.176072242	2013.976532	-0.698826612
50A	50.1035286	0.050103529	1.86556885	0.036783474	1.842472767	-1.253537253	2014.272829	-0.713641445
60A	60.1900606	0.03009503	2.23658654	0.037134551	2.234621775	-0.087923836	2018.36793	-0.9183965
70A	70.0446236	0.035022312	2.60253131	0.037246612	2.608415853	0.225598362	2018.552764	-0.927638215
80A	80.563929	0.040281965	2.9943398	0.037156746	2.992984343	-0.045287797	2017.905475	-0.895273726
90A	90.1968552	0.045098428	3.35226799	0.037223922	3.356971606	0.140114849	2017.966392	-0.898319588
100A	100.100284	0.050050142	3.72091245	0.037726211	3.775895392	1.456156399	2017.655992	-0.882799594
120A	120.3184488	0.030079612	4.48366721	0.037250448	4.481407087	-0.050433329	2012.612274	-0.630613707
140A	139.9117144	0.034977929	5.21352514	0.037298299	5.217959852	0.084989381	2012.722352	-0.636117581
160A	160.117996	0.040029499	5.96718507	0.03738192	5.985008972	0.297809119	2012.481523	-0.624076169
180A	180.0421384	0.045010535	6.71198776	0.03716448	6.690663414	-0.318717954	2011.797527	-0.589876374
200A	200.0687104	0.050017178	7.4562649	0.037068566	7.415751178	-0.546319866	2012.422236	-0.621111785
240A	240.9403998	0.040156733	8.97131983	0.037234602	8.970810744	-0.005674918	2014.255464	-0.71277319



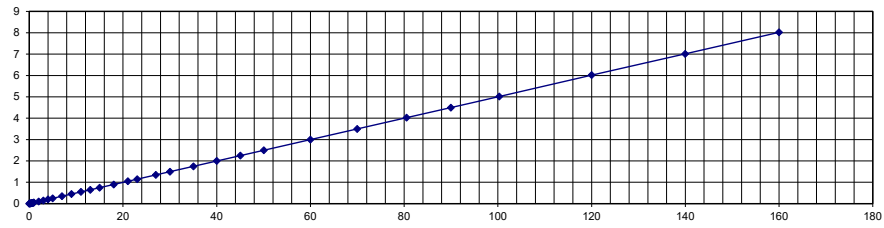
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<b>Burdens (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	0.000630031	0.000630031	4.29549E-05	0.048441263	-0.000599512	107.1649747	1466.728513	26.66357435
0.1A	0.100286031	0.100286031	0.004870417	0.049079709	0.004291978	-13.47721923	2059.084961	-2.954248064
0.2A	0.200418492	0.200418492	0.009784889	0.049451911	0.009281046	-5.428732064	2048.24484	-2.412241984
0.3A	0.300728094	0.300728094	0.014745391	0.049552681	0.014271852	-3.317990133	2039.471833	-1.973591626
0.4A	0.399854863	0.399854863	0.019657388	0.049655505	0.019224964	-2.249285242	2034.120001	-1.706000046
0.5A	0.500358824	0.500358824	0.024647963	0.049671897	0.024223741	-1.751267171	2030.020996	-1.501049803
0.6A	0.601627349	0.601627349	0.029678163	0.049739088	0.029294364	-1.310143521	2027.171813	-1.358590672
0.7A	0.703085311	0.703085311	0.034724589	0.049715542	0.034324236	-1.166386185	2024.747671	-1.237383537
0.8A	0.799582996	0.799582996	0.039522024	0.049807545	0.039195243	-0.833725451	2023.132717	-1.156635857
0.9A	0.900231172	0.900231172	0.044535064	0.049794861	0.044196855	-0.765232973	2021.398649	-1.069932459
1A	0.997578417	0.997578417	0.049382456	0.049852646	0.049101893	-0.571389611	2020.106932	-1.005346615
2A	2.0029799	2.0029799	0.099504381	0.049865364	0.099249292	-0.257018554	2012.956503	-0.647825147
3A	2.99755072	2.99755072	0.149099017	0.050108916	0.149573987	0.317548343	2010.44298	-0.522148982
4A	4.00039035	0.040003904	0.199350224	0.049939875	0.199148964	-0.101060144	2006.71475	-0.335737521
5A	5.00718003	0.0500718	0.249629175	0.050295705	0.251209616	0.629132471	2005.847285	-0.292364264
7A	7.0042629	0.035021315	0.350073865	0.050028335	0.349781582	-0.083561445	2000.795718	-0.039785889
9A	8.9999932	0.04999997	0.449917236	0.04922981	0.442438222	-1.690408563	2000.367757	-0.018387826
11A	11.0356468	0.022071294	0.550131774	0.049703963	0.547885346	-0.410017981	2006.00062	-0.300031025
13A	13.02331345	0.026046627	0.648926683	0.049598469	0.645306377	-0.561021306	2006.900593	-0.345029656
15A	15.03039365	0.030060787	0.748474788	0.049875811	0.749023046	0.073196359	2008.136285	-0.406813235
18A	18.01667875	0.036033358	0.89741818	0.04958041	0.892644285	-0.534803786	2007.61241	-0.380620493
21A	21.03688755	0.042073775	1.04716137	0.049918854	1.049507277	0.223524609	2008.944195	-0.447209727
24A	23.0249899	0.04604998	1.14640516	0.050197683	1.155171116	0.758844846	2008.451349	-0.422567446
27A	27.018274	0.027018274	1.34685877	0.050074114	1.352286098	0.401344667	2006.021314	-0.301065716
30A	30.0293831	0.030029383	1.49763739	0.049957541	1.499564106	0.128485091	2005.11708	-0.255853989
35A	35.0233775	0.035023378	1.74712507	0.050007657	1.750807017	0.210299975	2004.629096	-0.231454809
40A	40.0233982	0.040023398	1.99716439	0.050026368	2.001595234	0.221365627	2004.011207	-0.200560355
45A	45.0568755	0.045056876	2.24897098	0.050120443	2.25764051	0.384008442	2003.44406	-0.172202978
50A	50.0533643	0.050053364	2.49939721	0.050172706	2.510682691	0.449498488	2002.617435	-0.130871755
60A	60.0005976	0.030000299	2.99847682	0.050088515	3.004710785	0.207473035	2001.035899	-0.051794964
70A	69.9956588	0.034997829	3.49911459	0.050065097	3.503709447	0.131142647	2000.382011	-0.019100546
80A	80.5243364	0.040262168	4.02623386	0.049872533	4.015322601	-0.271740535	1999.991536	0.000423224
90A	89.9613742	0.044980687	4.49688284	0.050160504	4.511877837	0.332344918	2000.527419	-0.026370934
100A	100.2958848	0.050147942	5.0152671	0.050749127	5.089298539	1.45649176	1999.811432	0.009428411
120A	120.0259104	0.030006478	6.01654867	0.049940787	5.993558348	-0.383583846	1994.929601	0.25351993
140A	139.9656588	0.034991415	7.01235539	0.050304826	7.040318047	0.397178885	1995.966384	0.200680787
160A	160.0008752	0.040000219	8.02022346	0.049982382	7.996594754	-0.295484596	1994.967799	0.251610196
180A	180.2653764	0.045066344	9.03309149	0.050180624	9.045199074	0.133856465	1995.611099	0.219445026
200A	200.1699656	0.050042491	10.0319162	0.049907277	9.989307988	-0.426538171	1995.331317	0.233434167
240A	240.725061	0.040120844	12.0559106	0.05008166	12.05528057	-0.005226184	1996.738936	0.163053216

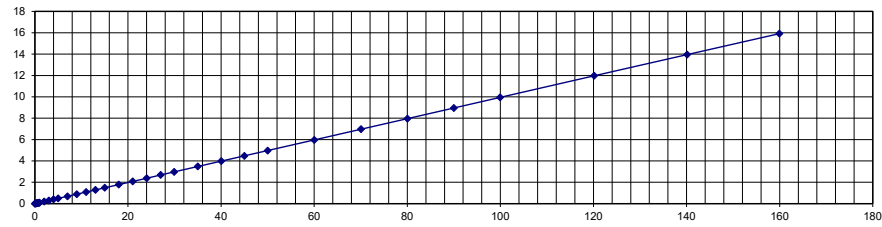
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.000707428	0.000707428	7.59557E-05	0.094247659	-0.000640755	111.8540994	1862.738828	6.863058613
0.1A	0.100081417	0.100081417	0.009441721	0.097742943	0.009074824	-4.043024993	2119.982402	-5.999120082
0.2A	0.20014841	0.20014841	0.019222564	0.098209767	0.0189491	-1.443147196	2082.43199	-4.121599513
0.3A	0.300149959	0.300149959	0.029043693	0.098429723	0.028836249	-0.719384907	2066.885655	-3.344282733
0.4A	0.400415501	0.400415501	0.038912802	0.098512891	0.038738661	-0.44952915	2058.014218	-2.900710913
0.5A	0.501192074	0.501192074	0.0488840594	0.098745448	0.048783008	-0.118045708	2052.358643	-2.617932135
0.6A	0.603552094	0.603552094	0.05894818	0.099017991	0.059055088	0.181031179	2047.737847	-2.38689236
0.7A	0.702549095	0.702549095	0.068750664	0.098451553	0.068459621	-0.425130187	2043.759446	-2.187972323
0.8A	0.803835111	0.803835111	0.07872243	0.098984531	0.078859813	0.174212551	2042.200971	-2.11004857
0.9A	0.901578912	0.901578912	0.088397554	0.098893531	0.088452894	0.062564274	2039.827738	-1.991386891
1A	0.999839766	0.999839766	0.098114917	0.099085289	0.098361984	0.251181623	2038.099403	-1.904970175
2A	1.99759756	1.99759756	0.196978036	0.099015908	0.197086508	0.055037637	2028.243961	-1.412198058
3A	3.00925079	3.00925079	0.297147799	0.098982932	0.297157038	0.003109235	2025.423577	-1.271178859
4A	3.99678265	0.039967827	0.394896598	0.099118515	0.395447732	0.139369666	2024.217312	-1.210865585
5A	4.99888005	0.049988801	0.494223004	0.098157711	0.489971196	-0.867766904	2022.924878	-1.146243893
7A	7.00071766	0.035003588	0.690718802	0.098927406	0.691855409	0.164283883	2027.081828	-1.354091415
9A	9.00927418	0.045046371	0.889420088	0.100032966	0.900516989	1.23228115	2025.876029	-1.293801451
11A	11.00512145	0.022010243	1.08907061	0.098559275	1.083949362	-0.472461947	2021.011558	-1.050577887
13A	13.0135094	0.026027019	1.28701587	0.099391951	1.292730665	0.442071568	2022.276446	-1.113822318
15A	15.0108824	0.030021765	1.48553867	0.099081801	1.486597836	0.071247674	2020.934588	-1.0467294
18A	18.0044931	0.036008986	1.78215101	0.098856721	1.779157728	-0.168241536	2020.535072	-1.026753619
21A	21.01707865	0.042034157	2.07996534	0.09947632	2.089994215	0.479851791	2020.906622	-1.045331121
24A	24.0154655	0.048030931	2.37823383	0.10253093	2.461620574	3.387473476	2019.60507	-0.980253485
27A	27.0172756	0.027017276	2.68601221	0.099643494	2.691388307	0.199751803	2011.701622	-0.585081108
30A	29.9329335	0.029932934	2.97653855	0.099399515	2.974611643	-0.064778433	2011.257909	-0.562895448
35A	35.0112449	0.035011245	3.48132024	0.099600315	3.486423603	0.146378168	2011.377437	-0.568871825
40A	40.0306765	0.040030677	3.98125721	0.099384467	3.977720024	-0.088924957	2010.956559	-0.547827956
45A	45.0111253	0.045011125	4.47623646	0.09953603	4.479521282	0.073329751	2011.114726	-0.55573628
50A	50.019917	0.050019917	4.9747917	0.099234609	4.962999471	-0.237602864	2010.935131	-0.546756561
60A	60.0252198	0.03001261	5.96766401	0.09973167	5.985707974	0.301450786	2011.682283	-0.584114152
70A	70.0837976	0.035041899	6.97082277	0.099476613	6.970991406	0.002419109	2010.775483	-0.538774134
80A	80.054017	0.040027009	7.96262643	0.099822836	7.990511554	0.348977958	2010.74401	-0.537200513
90A	90.0172518	0.045008626	8.95718478	0.099876526	8.989902926	0.363943267	2009.945178	-0.497258917
100A	99.961824	0.049980912	9.9504141	0.100101489	10.00561996	0.551748506	2009.199275	-0.459963772
120A	120.1666524	0.030041663	11.9729475	0.099293531	11.93106384	-0.351047128	2007.302753	-0.365137657
140A	140.1429396	0.035035735	13.9564636	0.099072406	13.88359078	-0.524884527	2008.287251	-0.414362561
160A	159.9471856	0.039986796	15.9185179	0.09891642	15.82069563	-0.618318399	2009.573839	-0.478691926
180A	180.102918	0.04502573	17.9122508	0.09865153	17.76672098	-0.819114667	2010.94681	-0.547340483
200A	200.132284	0.050033071	19.8881784	0.100055816	20.02369146	0.676763643	2012.57531	-0.628765478
240A	232.2151038	0.038702517	23.0982511	0.099469202	23.09754367	-0.003062785	2010.672607	-0.533630358



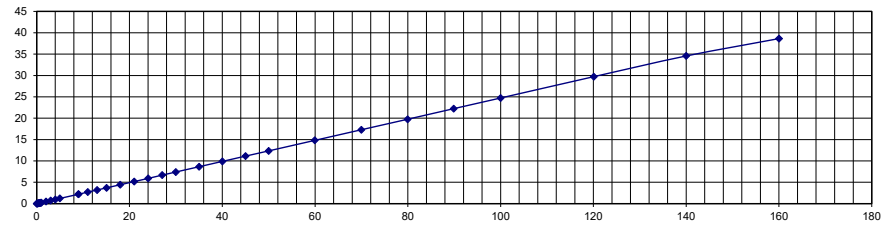
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.000810002	0.000810002	8.33357E-05	0.229071631	-0.000624454	113.3453741	4859.876416	-142.9938208
0.1A	0.100689921	0.100689921	0.022962992	0.239283277	0.023283412	1.376174653	2192.439094	-9.621954702
0.2A	0.19950385	0.19950385	0.046607512	0.241211233	0.047312567	1.490206961	2140.254222	-7.012711125
0.3A	0.300458536	0.300458536	0.070958917	0.242136848	0.071942081	1.366605003	2117.130238	-5.856511907
0.4A	0.399364802	0.399364802	0.094907768	0.242714402	0.096121587	1.262795207	2103.962668	-5.198133408
0.5A	0.499688152	0.499688152	0.11925769	0.242434954	0.120331872	0.892683001	2094.993421	-4.749671069
0.6A	0.60110922	0.60110922	0.143845702	0.244301131	0.14604166	1.503651788	2089.423638	-4.471181906
0.7A	0.707743929	0.707743929	0.169896682	0.241272569	0.169949194	0.030898442	2082.865659	-4.143282945
0.8A	0.804229709	0.804229709	0.193176054	0.243399353	0.194938988	0.904351834	2081.597828	-4.079891419
0.9A	0.905508676	0.905508676	0.217827289	0.22250064	0.200666258	-8.552026282	2078.501459	-3.925072951
1A	1.00296009	1.00296009	0.239510291	0.246527107	0.246446847	2.81462555	2093.772434	-4.688621709
2A	2.01693135	2.01693135	0.489481692	0.244916814	0.493170399	0.74795787	2060.272512	-3.013625584
3A	3.0123765	3.0123765	0.733282947	0.246787875	0.742607994	1.25571599	2054.034198	-2.701709904
4A	4.01632014	0.040163201	0.981044065	0.24475944	0.982222264	0.119952423	2046.962151	-2.348107575
5A	5.0062448	0.050062448	1.22333747	0.244474263	1.223088003	-0.020396473	2046.142182	-2.307109092
7A	8.9966864	0.04996864	2.19963116	0.98466407	8.860857838	75.17586671	2045.726248	-2.286312402
9A	8.9993288	0.049993288	2.19987386	0.251610447	2.263667133	2.818138432	2045.556576	-2.277828784
11A	11.0236411	0.022047282	2.70905999	0.245965258	2.710622729	0.057652406	2034.587853	-1.729392674
13A	13.03134525	0.026062691	3.20288546	0.246675463	3.213703117	0.336610337	2034.313342	-1.715667113
15A	15.06233765	0.030124675	3.70388145	0.246278758	3.708723803	0.130566552	2033.318001	-1.665900038
18A	18.00894505	0.03601789	4.42956826	0.246087248	4.430961727	0.031448407	2032.810422	-1.640521113
21A	21.013712	0.042027424	5.16900309	0.245995184	5.168461944	-0.010470157	2032.665838	-1.633291924
24A	24.02354365	0.048047087	5.90940718	0.254644147	6.116644772	3.388092643	2032.652593	-1.632629629
27A	27.0461931	0.027046193	6.67910717	0.247641494	6.696949663	0.266427168	2024.686265	-1.234313253
30A	30.0085366	0.030085366	7.41270634	0.24687938	7.407678916	-0.06786774	2024.128248	-1.206412421
35A	35.0304413	0.035030441	8.65251106	0.248154721	8.692159369	0.456138768	2024.293356	-1.214667791
40A	40.0295865	0.040029587	9.89307254	0.247711395	9.914974717	0.220899979	2023.111947	-1.155597359
45A	45.0138742	0.045013874	11.1277374	0.245096828	11.03194778	-0.868292906	2022.597792	-1.129889622
50A	50.0120723	0.050012072	12.3527799	0.247662384	12.38529903	0.262562348	2024.324594	-1.216229676
60A	59.9607854	0.029980393	14.8167019	0.247802534	14.85762455	0.275431978	2023.418768	-1.170938385
70A	69.977208	0.034988604	17.2987968	0.246667248	17.26027532	-0.223180007	2022.603329	-1.130166463
80A	79.954653	0.039977327	19.7599057	0.249077404	19.91408744	0.774234532	2023.153709	-1.157685434
90A	89.9114538	0.044955727	22.2399198	0.247001471	22.20745136	-0.146205177	2021.397887	-1.069894371
100A	100.0173928	0.050008696	24.7361016	0.248669638	24.87047886	0.540308274	2021.688672	-1.084433612
120A	120.0833592	0.03002084	29.7258982	0.243160028	29.19866295	-1.805682847	2019.844083	-0.992204165
140A	140.0078552	0.035001964	34.5707392	0.203345798	28.46919909	-21.43207502	2024.947375	-1.247368757
160A	160.024674	0.040006169	38.6410752	0.14500835	23.20410389	-66.52690139	2070.655037	-3.532751853
180A	180.1204568	0.045030114	41.5551315	0.119762959	21.57094893	-92.64396588	2167.246863	-8.362343168
200A	200.0658908	0.050016473	43.9438557	0.094968315	18.99911062	-131.2942779	2276.380709	-13.81903546
240A	240.0432336	0.040007206	47.7404366	0.198882659	47.7396266	-0.001696708	2514.045228	-25.70226138

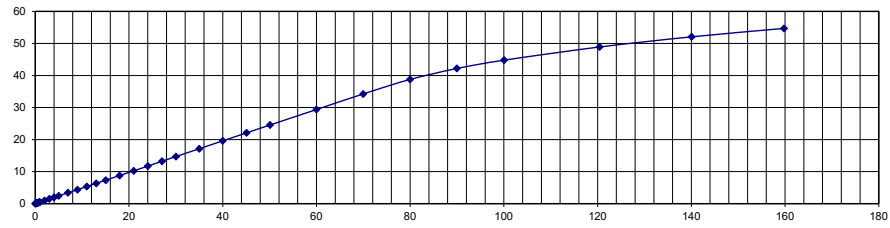
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

<b>PRODUCT:</b>	CR8450-2000
<b>Lot #:</b>	31443
<b>TURNS/RATIO:</b>	2000
<b>DATE:</b>	June 8, 2020
<b>TESTER:</b>	lb

**TEST SETUP**

<b>FULL SCALE PRIMARY CURRENT(Amps):</b>	200
<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	0.007079733	0.007079733	0.002942762	0.462522722	-0.003805195	177.335367	2405.812294	-20.29061468
0.1A	0.1047061	0.1047061	0.048097175	0.485014156	0.043704208	-10.05158795	2176.969853	-8.848492661
0.2A	0.201218984	0.201218984	0.09490729	0.485952419	0.090703119	-4.635089422	2120.163625	-6.008181247
0.3A	0.300125406	0.300125406	0.142971105	0.4880191	0.139387198	-2.571188069	2099.203234	-4.960161705
0.4A	0.400683089	0.400683089	0.192045175	0.487580024	0.188285337	-1.996882863	2086.400187	-4.320009342
0.5A	0.500769552	0.500769552	0.240845335	0.488546377	0.237569418	-1.378930488	2079.216324	-3.960816181
0.6A	0.600606	0.600606	0.28962007	0.487902677	0.285957542	-1.280794239	2073.772028	-3.688601415
0.7A	0.700214025	0.700214025	0.338219092	0.494930326	0.339477423	0.370667052	2070.297158	-3.514857908
0.8A	0.807239643	0.807239643	0.391189316	0.484911241	0.384359844	-1.776843194	2063.552377	-3.177618864
0.9A	0.90398282	0.90398282	0.43810117	0.494653718	0.44007873	0.449365141	2063.411107	-3.170555331
1A	0.997412612	0.997412612	0.484316564	0.489243312	0.480897717	-0.710930158	2059.422878	-2.97114389
2A	1.9988163	1.9988163	0.974246621	0.489422736	0.971226386	-0.310971241	2051.653305	-2.582665257
3A	3.02563311	3.02563311	1.47681465	0.481593358	1.450045076	-1.846120147	2048.756159	-2.437807954
4A	4.00305662	0.040030566	1.94753532	0.489039532	1.950573204	0.155743124	2055.447508	-2.772375394
5A	5.00430265	0.050043027	2.43718421	0.481272988	2.401355954	-1.492001034	2053.313258	-2.665662888
7A	6.99574176	0.034978709	3.39561006	0.486294383	3.394910192	-0.020615224	2060.231192	-3.011559578
9A	9.0110148	0.045055074	4.37562602	0.494543954	4.449263152	1.655041062	2059.36585	-2.968292523
11A	11.00037195	0.022000744	5.35945057	0.4867498	5.347349111	-0.226307626	2052.518594	-2.625929714
13A	13.02060255	0.026041205	6.34279741	0.487167103	6.336129487	-0.105236533	2052.817031	-2.640851517
15A	15.03495125	0.030069903	7.32412183	0.488500123	7.337495809	0.18226898	2052.799175	-2.639958748
18A	18.0116532	0.036023306	8.7782411	0.489187137	8.803989321	0.292460842	2051.852187	-2.592609355
21A	21.0127084	0.042025417	10.2463187	0.489960193	10.28831093	0.408154716	2050.756864	-2.537843177
24A	24.0181446	0.048036289	11.7188628	0.504553487	12.11135887	3.24072696	2049.528611	-2.476430563
27A	27.0394227	0.027039423	13.2432592	0.488419151	13.19949215	-0.33158128	2041.749866	-2.087493311
30A	30.0182113	0.030018211	14.6981566	0.490758851	14.72462315	0.179743455	2042.311299	-2.115564955
35A	34.9949462	0.034994946	17.1405333	0.491382134	17.18881163	0.280870649	2041.648622	-2.082431122
40A	40.0300735	0.040030074	19.6147049	0.490194448	19.61544005	0.003747809	2040.819564	-2.040978195
45A	45.0822011	0.045082201	22.0912298	0.490557434	22.10832915	0.077343465	2040.728448	-2.036422391
50A	50.0838446	0.050083845	24.5448232	0.48696293	24.38189598	-0.668230294	2040.505413	-2.025270649
60A	59.993579	0.02999679	29.3704965	0.487696127	29.25155641	-0.406611165	2042.647764	-2.132388194
70A	69.9739488	0.034986974	34.2378842	0.452920242	31.68553809	-8.055239911	2043.757973	-2.187898632
80A	80.0032718	0.040001636	38.7803676	0.341214132	27.29116725	-42.09860372	2062.983843	-3.14919217
90A	89.9875596	0.04499378	42.1871477	0.257713492	23.18392852	-81.96720918	2133.056283	-6.652813127
100A	100.0712152	0.050035608	44.7858418	0.201946745	20.2019764	-121.6903976	2234.438635	-11.72193173
120A	120.4490812	0.03011227	48.9010855	0.161178957	19.40677757	-151.9794197	2463.116718	-23.15583588
140A	140.0660452	0.035016511	52.0629273	0.13351534	18.69388594	-178.5024337	2690.322125	-34.51610624
160A	159.7847876	0.039946197	54.6956819	0.119885172	19.14874702	-185.6358269	2921.341906	-46.06709529
180A	180.0802992	0.045020075	57.1288128	-0.047084047	-8.485988998	773.2133734	3152.179966	-57.60899831
200A	133.5615664	0.033390392	59.319103	0.034873107	4.650627009	-1175.507644	2251.577648	-12.57888239
240A	240.1674918	0.040027915	63.0367828	0.262470088	63.02970307	-0.011232375	3809.95795	-90.49789752