





**TEST REPORT No. E/1/14.10.15./01**

**SIA Baltic Photometric Laboratory Test Report for  
Electrical Measurements of Solid-State Lighting Products**

Report reference No.	Report No.: E/1/14.10.15./01
Date of Issue	29.10.2015.
Project Handler	Ingmārs Felcis
Testing Laboratory	SIA Baltic Photometric Laboratory
Address	Gaujas iela 24/32, LV-2136, Inčukalna nov., Vangaži, Latvia
Testing location	Same as above
Client	SIA "VIZULO"
Client number	1
Address	Ganību dambis 7a, Rīga, LV-1045
Contact person	Sergejs Burtovojš, sergey.burtovoy@vizulo.eu
Standard	This SIA Baltic Photometric Laboratory test method is based on the requirements in the following standards: IES LM-79-08 and EN 13032-1:2004+A1:2012
TRF originated by	SIA Baltic Photometric Laboratory, Ingmārs Felcis
Copyright blank test report	This report based on the content of the standard (see above). The test report considered selected clauses of the a.m. standard(s) and experience gained with product testing. It was prepared by SIA Baltic Photometric Laboratory  SIA Baltic Photometric Laboratory takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.
Number of pages (Report)	45
Compiled and approved by:	
Head of Laboratory Ingmārs Felcis-Kaipšteins	
(+signature)	



Test sample	1	
Type of test object	LED street luminaire	
Trade mark	VIZULO STORK	
Model and/or type reference	SR 096 740 02 013 S N DD 06 1	
Rating(s)	AC: 210-250 V~, 50 Hz	
Manufacturer	Same as above	
Address	Same as above	
Order Description	<input checked="" type="checkbox"/> Full test according to testing application <input type="checkbox"/> Partial test according to manufacturer's specification <input type="checkbox"/> Repeated test <input type="checkbox"/> Device check <input type="checkbox"/> Other ( )	
Date of order	01.09.2015.	
Date of receipt of test item	06.10.2015.	
Date(s) of performance of test	14.10.2015.	
Equipment used	Digital Multimeter: TEKTRONIX DMM4050 (Current $\pm 0,07$ %) Single-Phase AC Power Analyzer: TEKTRONIX PA1000 (Voltage $\pm 0,08$ % $\pm 0,005$ V, Current $\pm 0,08$ %, Active power $\pm 0,15$ %) Basic AC Power Source, 1000 VA, 270 V, 5 A: KEYSIGHT AC6802A	
Test item particulars:	Lamp type: <input type="checkbox"/> Bare lamp <input checked="" type="checkbox"/> Cover lamp, no reflector <input type="checkbox"/> Lamp with reflector <input type="checkbox"/> Other: Rated Voltage: 210-250 V~ Rated Frequency: 50 Hz	
Attachments:	1. Concise form of the test report	



General remarks:

"(See remark #)" refers to a remark appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report, a point is used as the decimal separator.

The test results presented in this report relate only to the object tested.

This report shall not be reproduced except on full without the written approval of the testing laboratory.

SIA Baltic Photometric Laboratory is an accredited photometric, colorimetric testing laboratory by LATAK (Latvian National Accreditation Bureau) acc. to EN 17025 using testing methods based on IESNA LM-79-08 and EN 13032-1+A1:2012 standards.

The report must not be used by the client to claim product certification, approval or endorsement by any agency of the federal government

Summary of testing object:

Product Name	Product code	Version number (if applicable)
VIZULO STORK Street luminaire	SR 096 740 02 013 S N DD 06 1	

Additional information:

As the electronic components used in the luminaires are the same, the results of the performed tests can be considered the same or very similar for products from VIZULO product ranges Stork and Stork Little Brother with following parameters:

Power: 53 ... 96 [W]

LED module type: 01 (48 LEDs)

LED module quantity: 3

LED driver: Osram OT 90/170...240/1A0 4DIMLT2 E

These parameters correspond to following model numbers:

SR ppp xxx xx 013 x x xx xx x;

SRL ppp xxx xx 013 x x xx xx x, where ppp - 053 ... 096 [W]

Complete model number overviews of aforementioned product ranges can be seen below.



## SR

Power [W]	018 ... 200
Color rendering index	≥70 - 7 ≥80 - 8
Color temperature [K]	3000 ... 5000 Standard values: 3000 K - 30 4000 K - 40
Lens type	01 ... 99
LED module type	01 ... 04 16 LEDs - 01 108 LEDs - 02 78 LEDs - 03 84 LEDs - 04 98 LEDs - 05
LED module quantity	1 ... 4
Body color	Silver (RAL 9006) - S Gray (RAL 9007) - G Asphalt (RAL 7138) - A Black (RAL 9005) - B
Console	Narrow - N
Dimming	Non dimmable - ND DALI - DD 1-10V - D1 Night time dimming - DY Wireless - DW
Surge protection [kV]	03; 06; 10
Protection class	Class I - 1 Class II - 2 Class III - 3

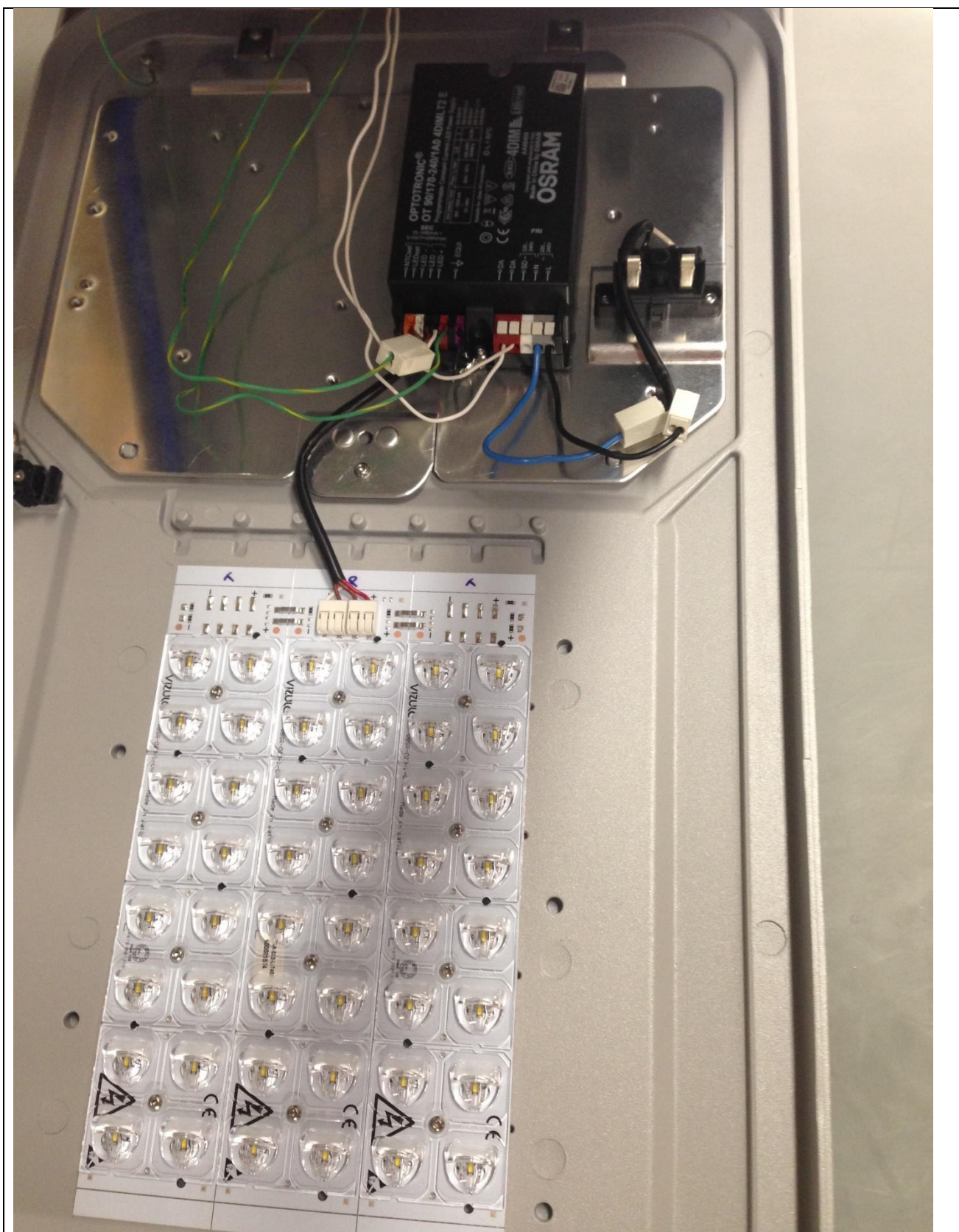
## SRL

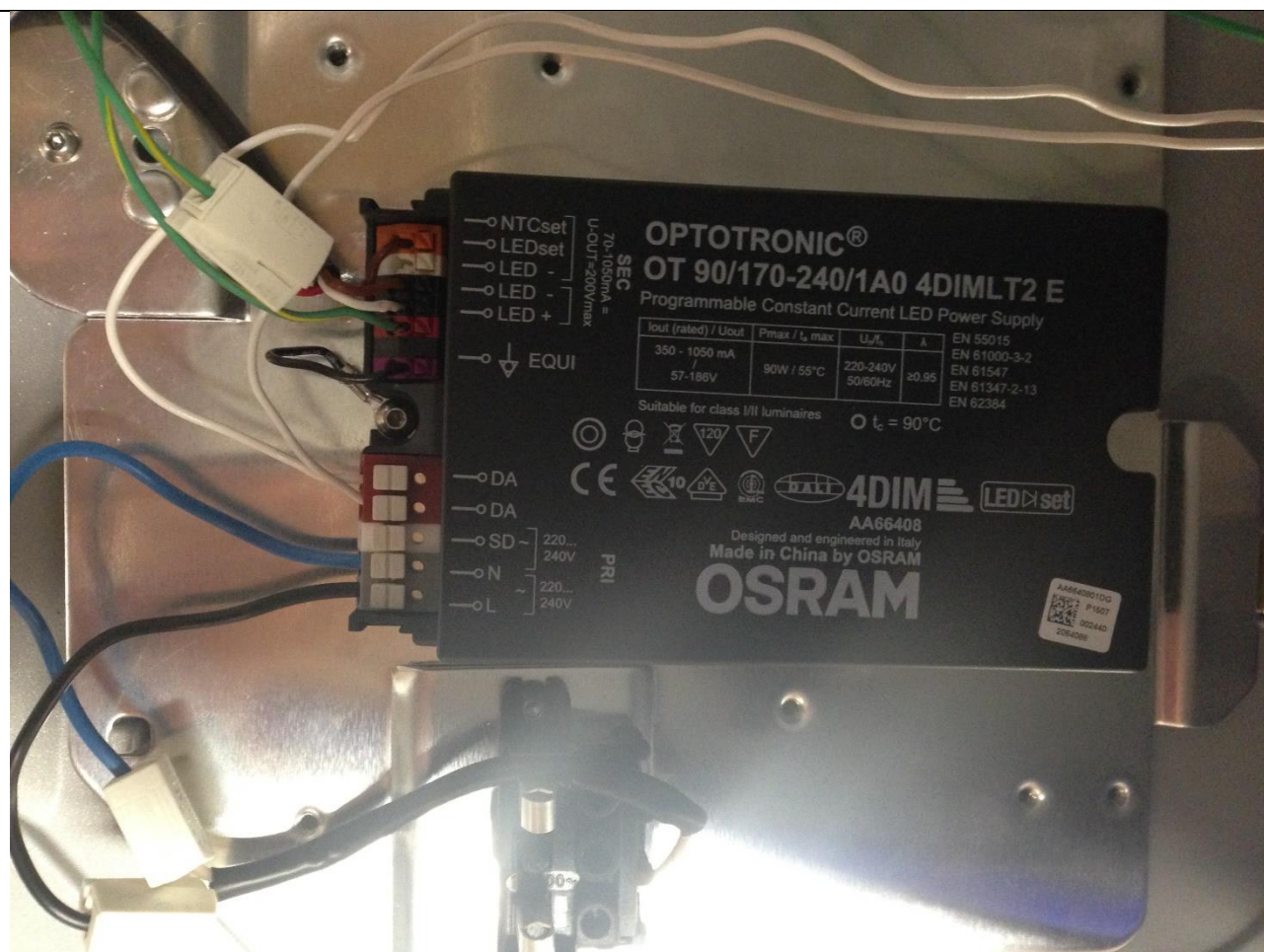
Power	018 ... 137 [W]
Color rendering index	≥70 - 7 ≥80 - 8
Color temperature [K]	3000 ... 5000 Standard values: 3000 K - 30 4000 K - 40
Lens type	01 ... 99
LED module type	16 LEDs - 01
LED module quantity	1 ... 4
Body color	Silver (RAL 9006) - S Gray (RAL 9007) - G Asphalt (RAL 7138) - A Black (RAL 9005) - B
Console	Narrow - N
Dimming	Non dimmable - ND DALI - DD 1-10V - D1 Night time dimming - DY Wireless - DW
Surge protection [kV]	03; 06; 10
Insulation class	Class I - 1 Class II - 2 Class III - 3

Photo of the sample and measuring devices:









Model No.: SR 096 740 02 013 S N DD 06 1



Purpose of the product  
(description of intended use)

LED street lamp for general lighting purpose.

Possible test case verdicts:

- test case does not apply to the test object: ..... N (not/ not included in the order)
- test object does meet the requirement: ..... P (pass)
- test object does not meet the requirement: ..... F (fail)

Possible suffixes to the verdicts:

- suffix for detailed information for the client..... C (comment)
- suffix for important information for manufacturer..... M (manufacturing)

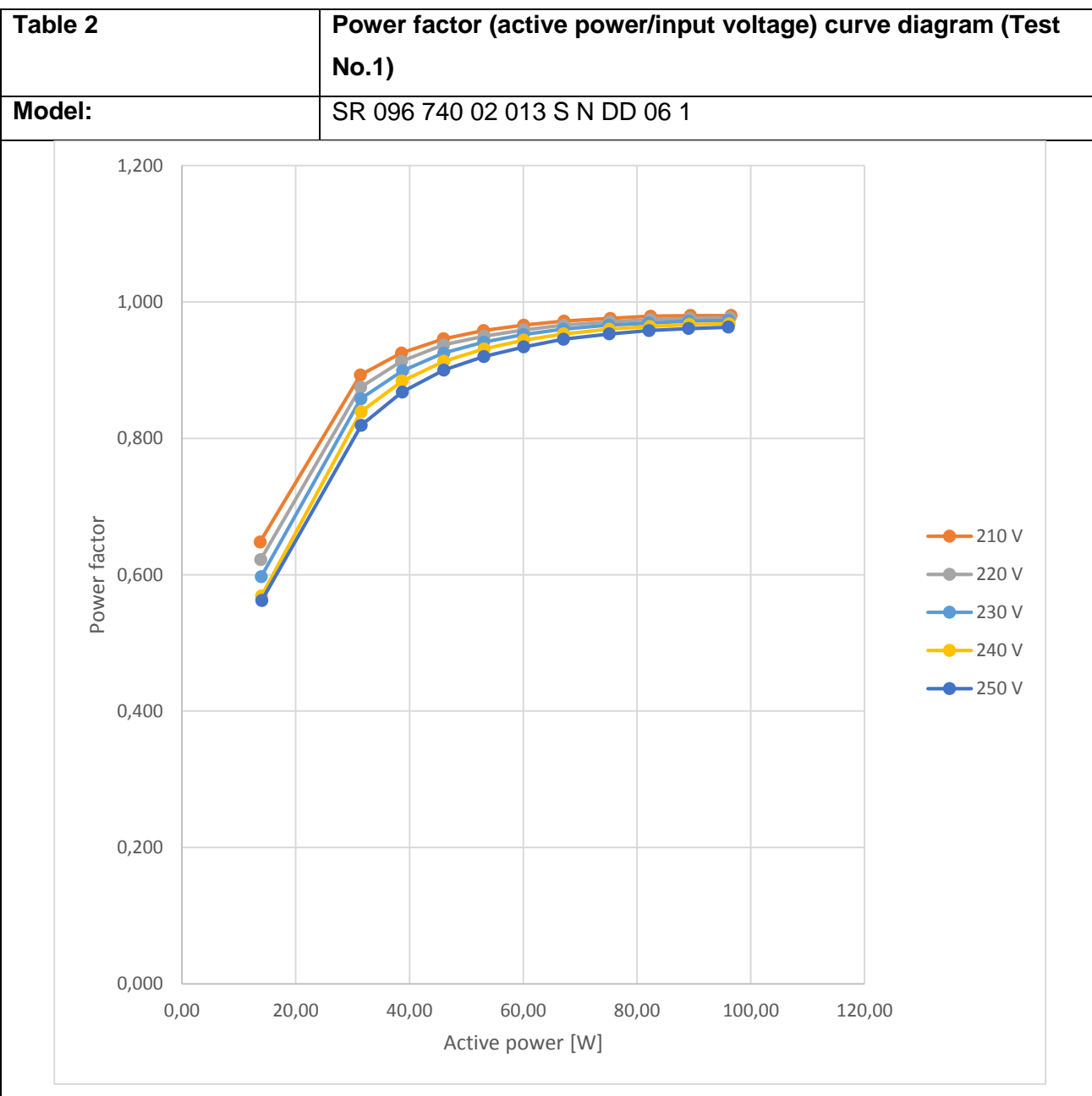


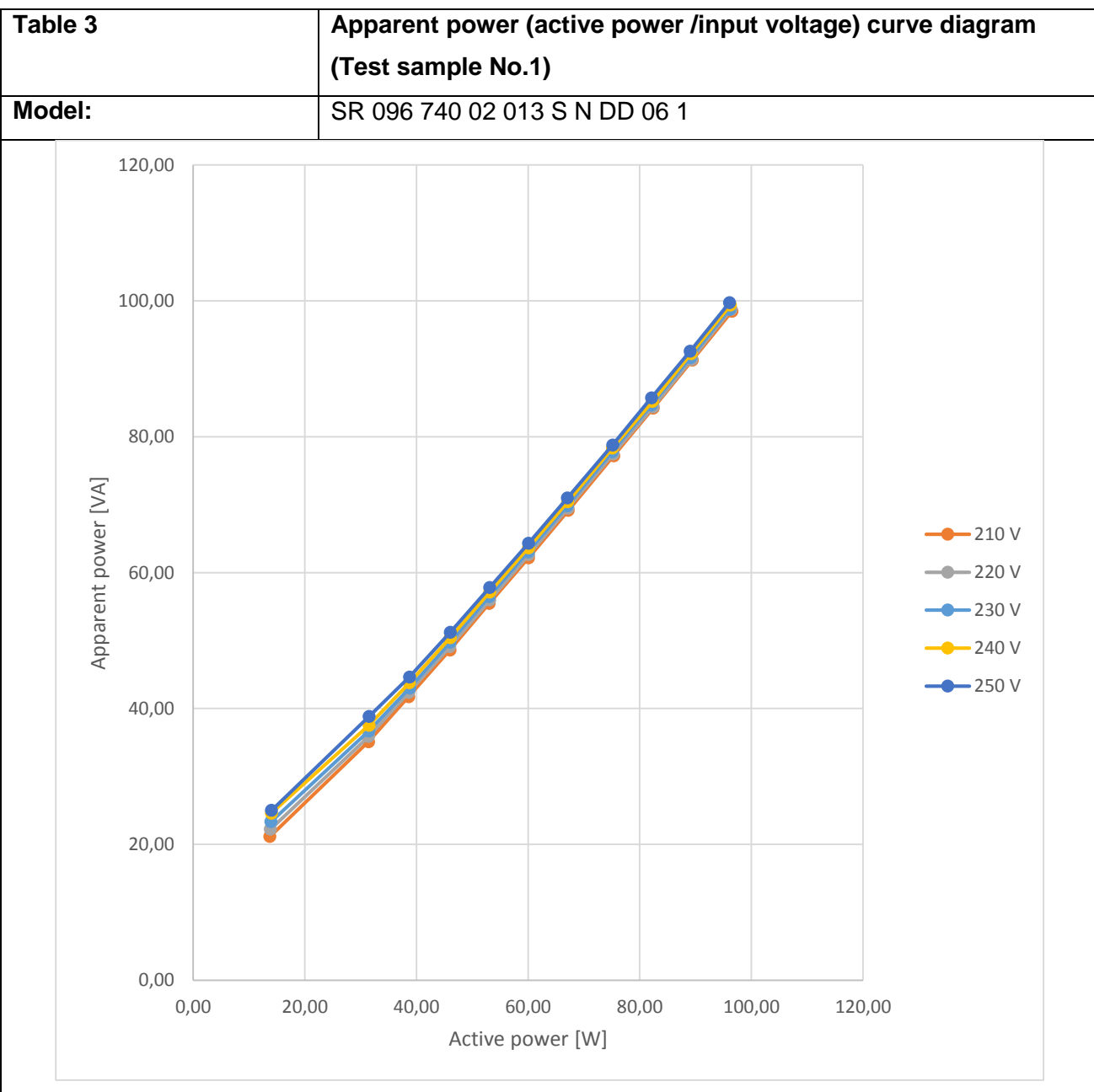


Clause	Requirement - Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		
3.1	Wave shape of AC power supply		P
3.2	Voltage regulation		P
4.0	Seasoning of SSL Product		N
	No seasoning of SSL product		P
5.0	Stabilisation of SSL Product		
	SSL product has sufficiently stabilised before measurement		P
6.0	Operation Orientation		
	SSL product Shall be stabilized and measured in intended operating orientation	Test object is not dependent on operating orientation	P
7.0	Electrical Settings		
	SSL product shall be operated at rated voltage		P
	SSL product with dimming capability are tested at maximum input power condition		N
	SSL product with different modes are measured in all relevant modes		N
8.0	Electrical Instrumentations		
8.1	Circuits		P

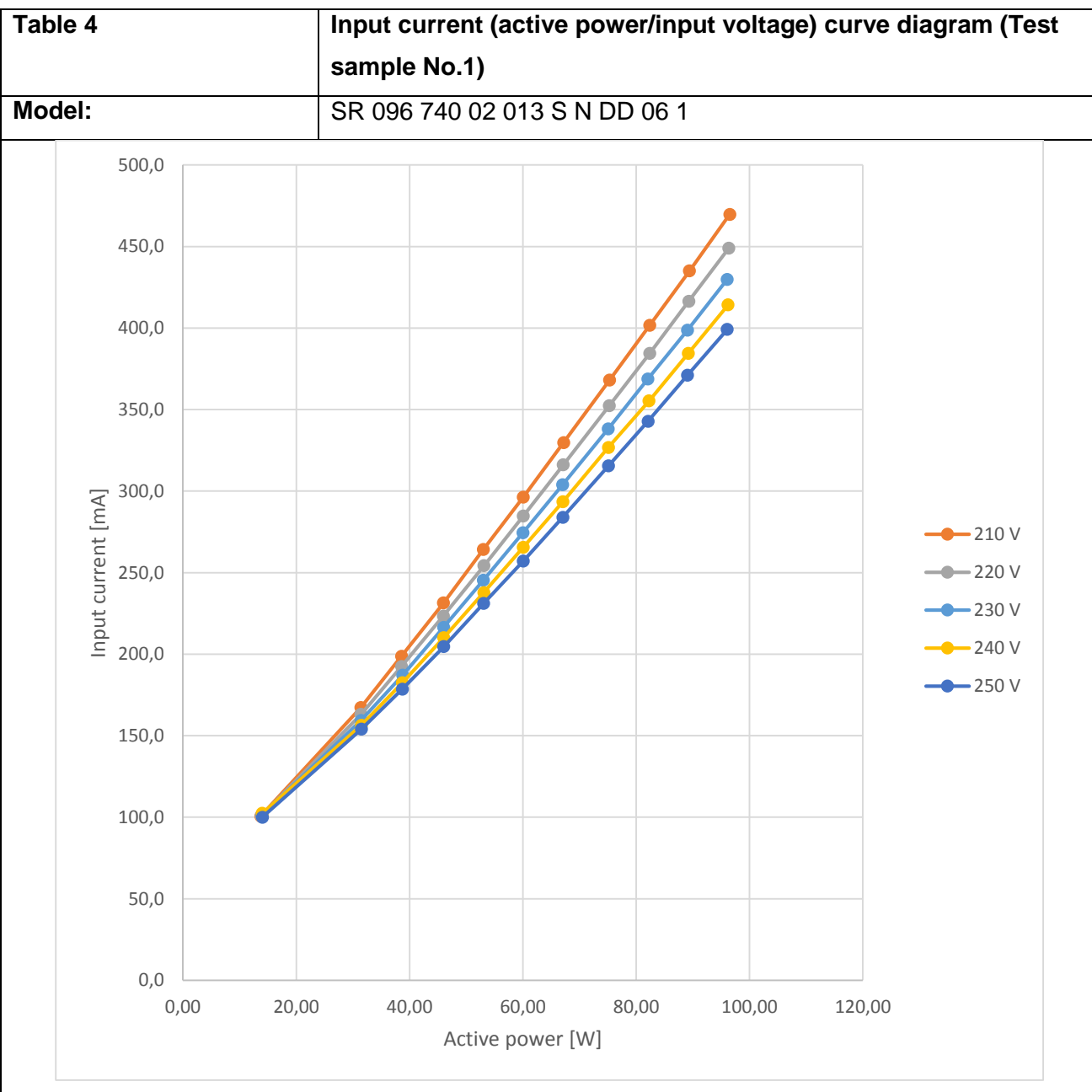


Table 1	Test data		
Model:	SR 096 740 02 013 S N DD 06 1		
Rated Voltage (V):	220-240	Rated Power (W):	96
Rated Frequency (Hz):	50 Hz	Ambient temperature 25 ±1 (°C):	25.1
Test item		Measured Value	
Electrical Input Results			
Input Voltage (Volts AC)		210 - 250	
Input Frequency (Hertz)		50	
Additional Information			
Ambient Temperature (°C):		25.1	
Supplementary Information:			
- Stabilisation considered reached: the variation (maximum-minimum) of readings every 5 minutes of the light output and electrical power over a period of 30 minutes is less than 0.5%.			









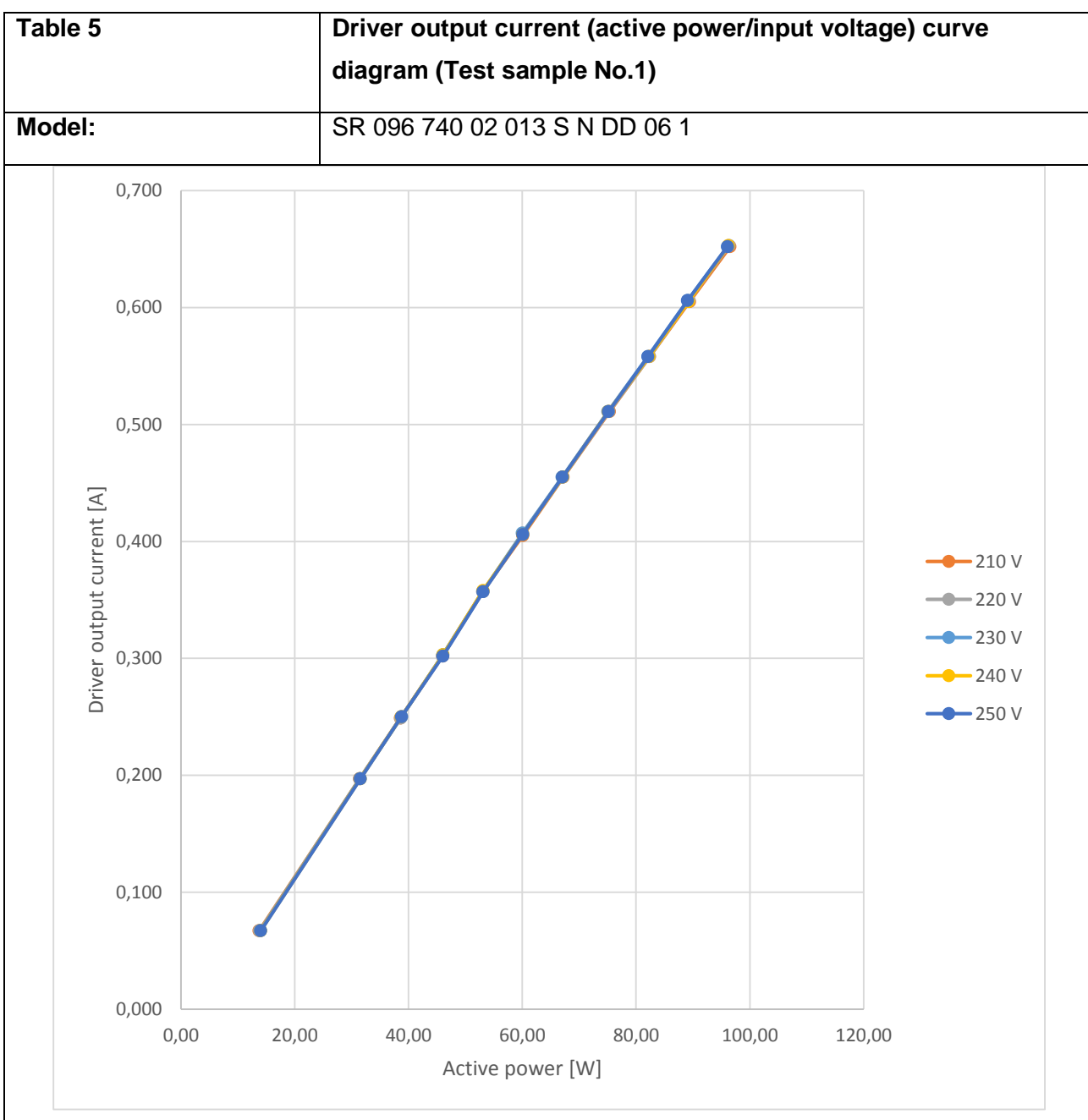




Table 6		Test data table No.1					
Model:		SR 096 740 02 013 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	96,06	98,75	0,973	429,8	0,652	100,00%
2	230	89,05	91,61	0,972	398,6	0,606	92,94%
3	230	82,05	84,62	0,969	368,7	0,558	85,58%
4	230	75,04	77,77	0,966	338,1	0,511	78,37%
5	230	67,00	69,82	0,960	303,8	0,455	69,79%
6	230	60,00	63,05	0,952	274,4	0,407	62,42%
7	230	53,02	56,45	0,941	245,3	0,357	54,75%
8	230	46,01	49,73	0,925	216,4	0,303	46,47%
9	230	38,77	43,00	0,899	187,0	0,250	38,34%
10	230	31,44	36,66	0,858	159,3	0,197	30,21%
11	230	13,92	23,33	0,597	101,3	0,067	10,28%
1	210	96,51	98,46	0,980	469,7	0,652	100,00%
2	210	89,39	91,25	0,980	435,0	0,605	92,79%
3	210	82,38	84,20	0,979	401,6	0,558	85,58%
4	210	75,32	77,18	0,976	368,1	0,511	78,37%
5	210	67,18	69,15	0,972	329,7	0,455	69,79%
6	210	60,08	62,18	0,966	296,3	0,405	62,12%
7	210	53,02	55,46	0,958	264,2	0,357	54,75%

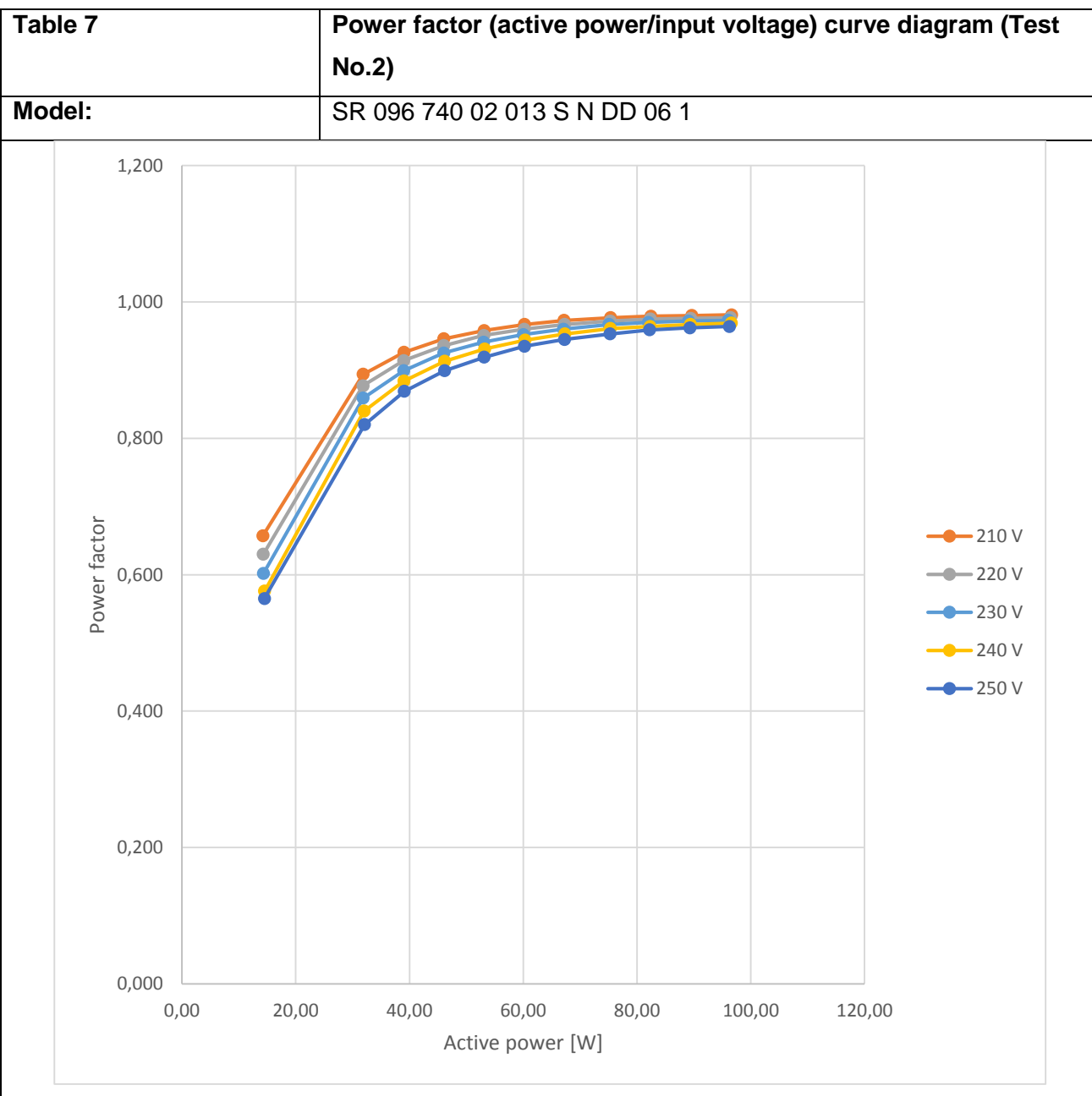


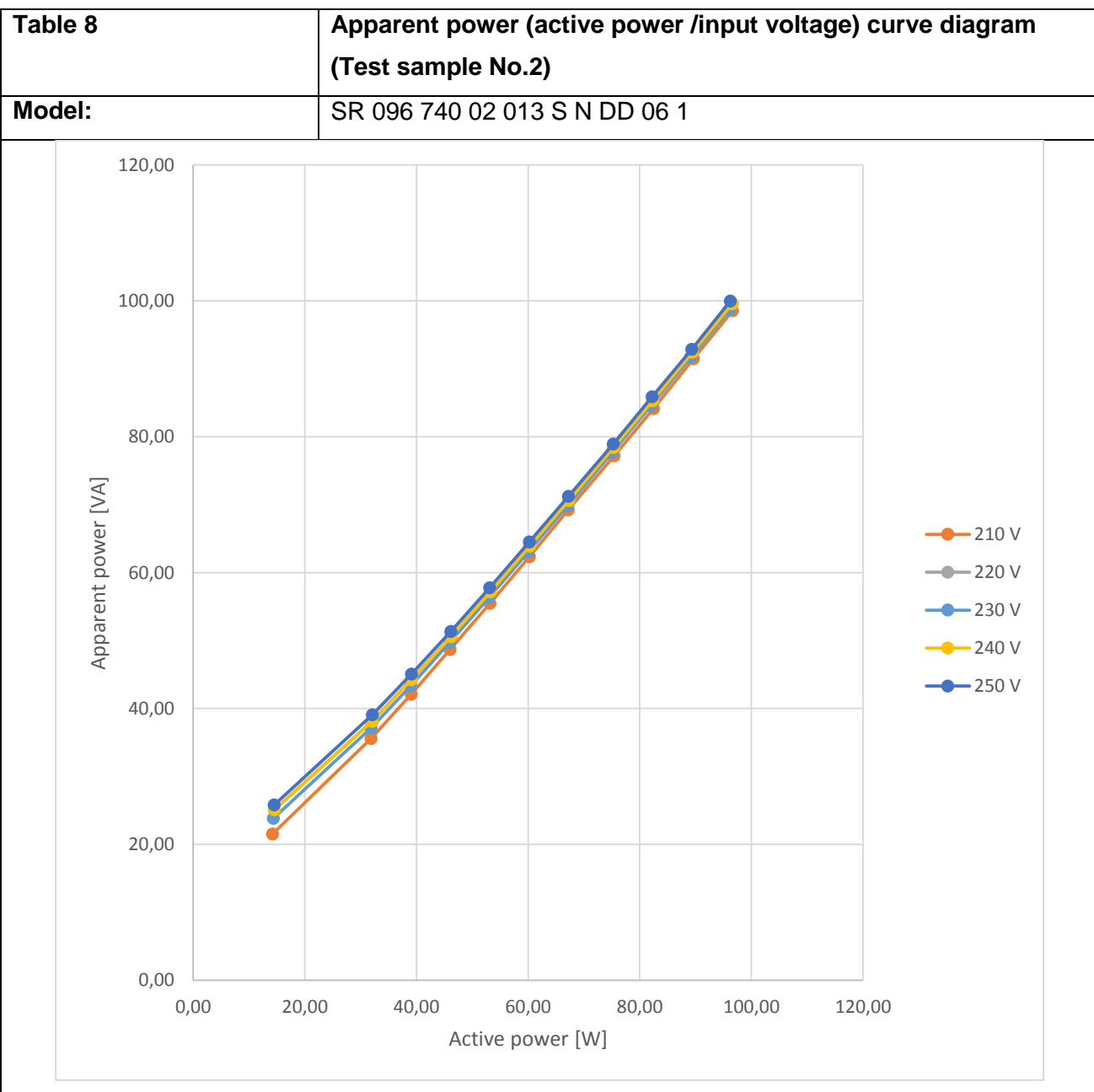
8	210	45,98	48,60	0,946	231,4	0,302	46,32%
9	210	38,58	41,73	0,925	198,7	0,249	38,19%
10	210	31,38	35,10	0,893	167,2	0,197	30,21%
11	210	13,72	21,15	0,648	100,6	0,067	10,28%
1	220	96,36	98,72	0,977	449,0	0,653	100,00%
2	220	89,29	91,40	0,976	416,4	0,606	92,80%
3	220	82,38	84,40	0,974	384,4	0,558	85,45%
4	220	75,23	77,47	0,971	352,3	0,511	78,25%
5	220	67,13	69,49	0,966	316,1	0,455	69,68%
6	220	60,08	62,63	0,959	284,7	0,407	62,33%
7	220	53,12	55,96	0,950	254,2	0,357	54,67%
8	220	45,96	49,10	0,937	223,3	0,302	46,25%
9	220	38,59	42,34	0,913	192,4	0,249	38,13%
10	220	31,41	35,88	0,875	163,0	0,197	30,17%
11	220	13,82	22,21	0,622	100,8	0,067	10,26%
1	240	96,22	99,36	0,968	414,2	0,653	100,00%
2	240	89,19	92,23	0,967	384,4	0,605	92,65%
3	240	82,27	85,19	0,964	355,3	0,558	85,45%
4	240	75,09	78,32	0,960	326,7	0,511	78,25%
5	240	67,08	70,42	0,953	293,5	0,455	69,68%
6	240	60,06	63,65	0,944	265,4	0,406	62,17%
7	240	53,09	57,11	0,931	237,7	0,358	54,82%

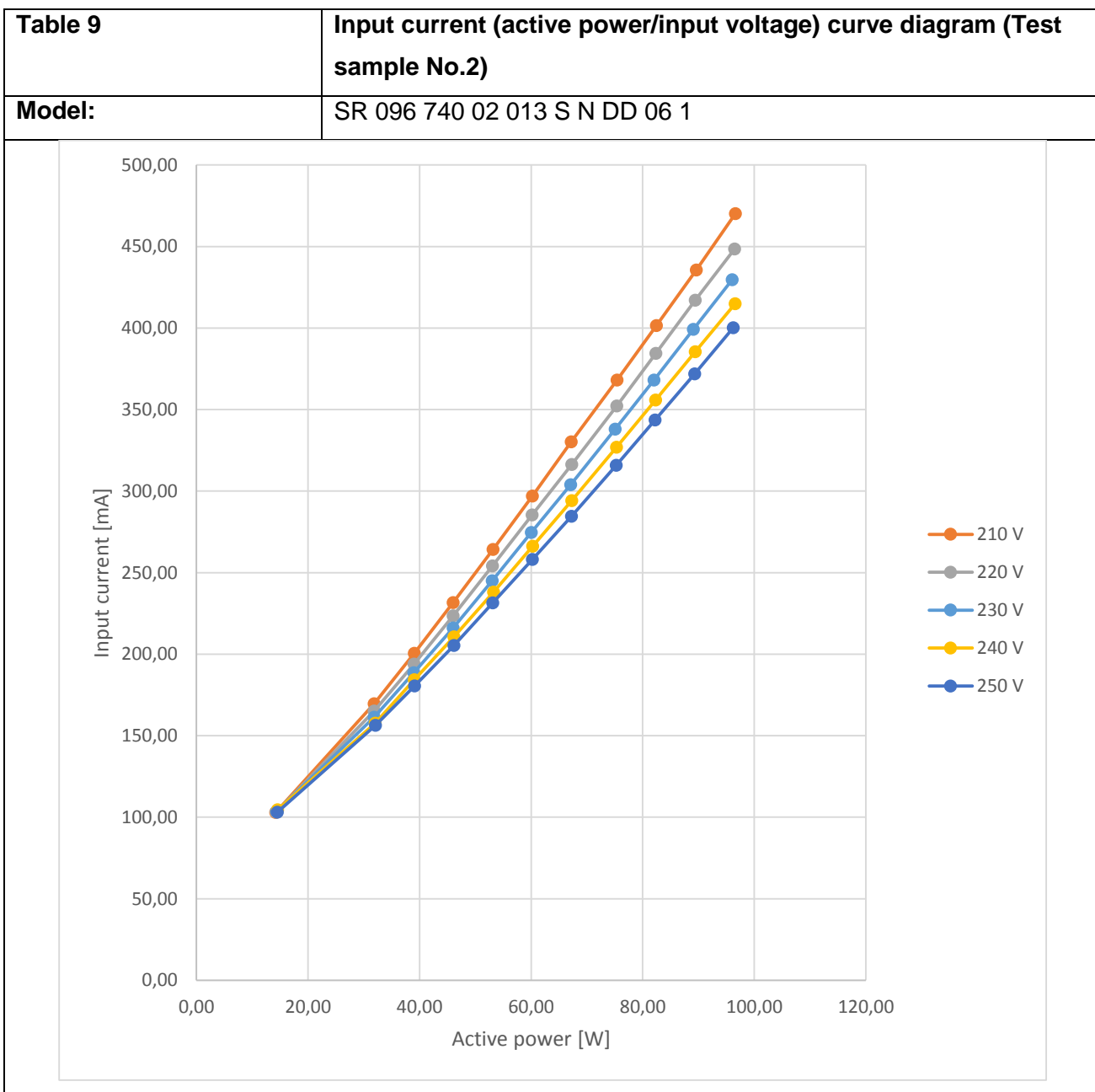




8	240	46,04	50,41	0,913	210,1	0,303	46,40%
9	240	38,71	43,77	0,884	182,4	0,250	38,28%
10	240	31,49	37,53	0,839	156,3	0,197	30,17%
11	240	13,99	24,57	0,569	102,3	0,067	10,26%
1	250	96,06	99,71	0,963	399,1	0,652	100,00%
2	250	89,04	92,59	0,961	371,0	0,606	92,94%
3	250	82,09	85,72	0,958	342,8	0,558	85,58%
4	250	75,13	78,78	0,953	315,5	0,511	78,37%
5	250	67,04	70,99	0,945	283,9	0,455	69,79%
6	250	60,07	64,32	0,934	257,1	0,406	62,27%
7	250	53,08	57,79	0,920	231,1	0,357	54,75%
8	250	46,04	51,19	0,900	204,6	0,302	46,32%
9	250	38,73	44,63	0,868	178,5	0,250	38,34%
10	250	31,52	38,84	0,819	154,0	0,197	30,21%
11	250	14,01	25,00	0,562	100,0	0,067	10,28%











<b>Table 10</b>	<b>Driver output current (active power/input voltage) curve diagram (Test sample No.2)</b>
<b>Model:</b>	SR 096 740 02 013 S N DD 06 1

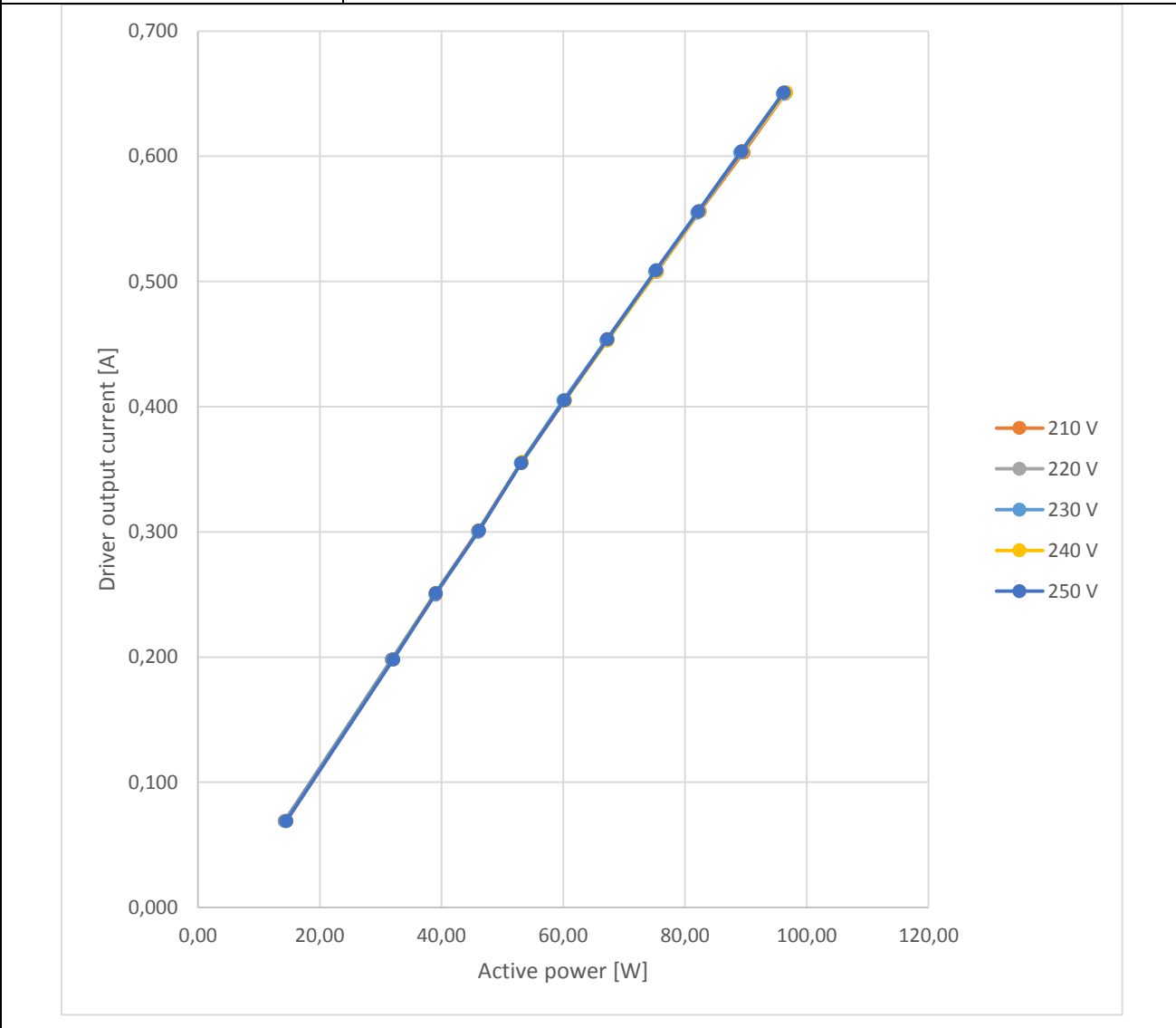




Table 11		Test data table No.2					
Model:		SR 096 740 02 013 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	96,04	98,71	0,973	429,60	0,650	100,00%
2	230	89,05	91,66	0,972	399,20	0,603	92,77%
3	230	82,02	84,55	0,970	368,10	0,555	85,38%
4	230	75,05	77,69	0,967	337,90	0,508	78,15%
5	230	67,05	69,87	0,960	303,90	0,453	69,69%
6	230	60,01	63,05	0,952	274,50	0,405	62,31%
7	230	53,01	56,33	0,941	245,00	0,355	54,62%
8	230	46,00	49,77	0,925	216,10	0,300	46,15%
9	230	38,95	43,31	0,899	188,54	0,250	38,46%
10	230	31,84	37,11	0,859	161,27	0,198	30,46%
11	230	14,33	23,81	0,602	103,61	0,069	10,62%
1	210	96,63	98,54	0,981	470,10	0,651	100,00%
2	210	89,62	91,45	0,980	435,60	0,603	92,63%
3	210	82,45	84,13	0,979	401,50	0,556	85,41%
4	210	75,37	77,18	0,977	368,00	0,508	78,03%
5	210	67,18	69,23	0,973	330,10	0,454	69,74%
6	210	60,22	62,32	0,967	296,90	0,405	62,21%
7	210	53,13	55,45	0,958	264,20	0,355	54,53%

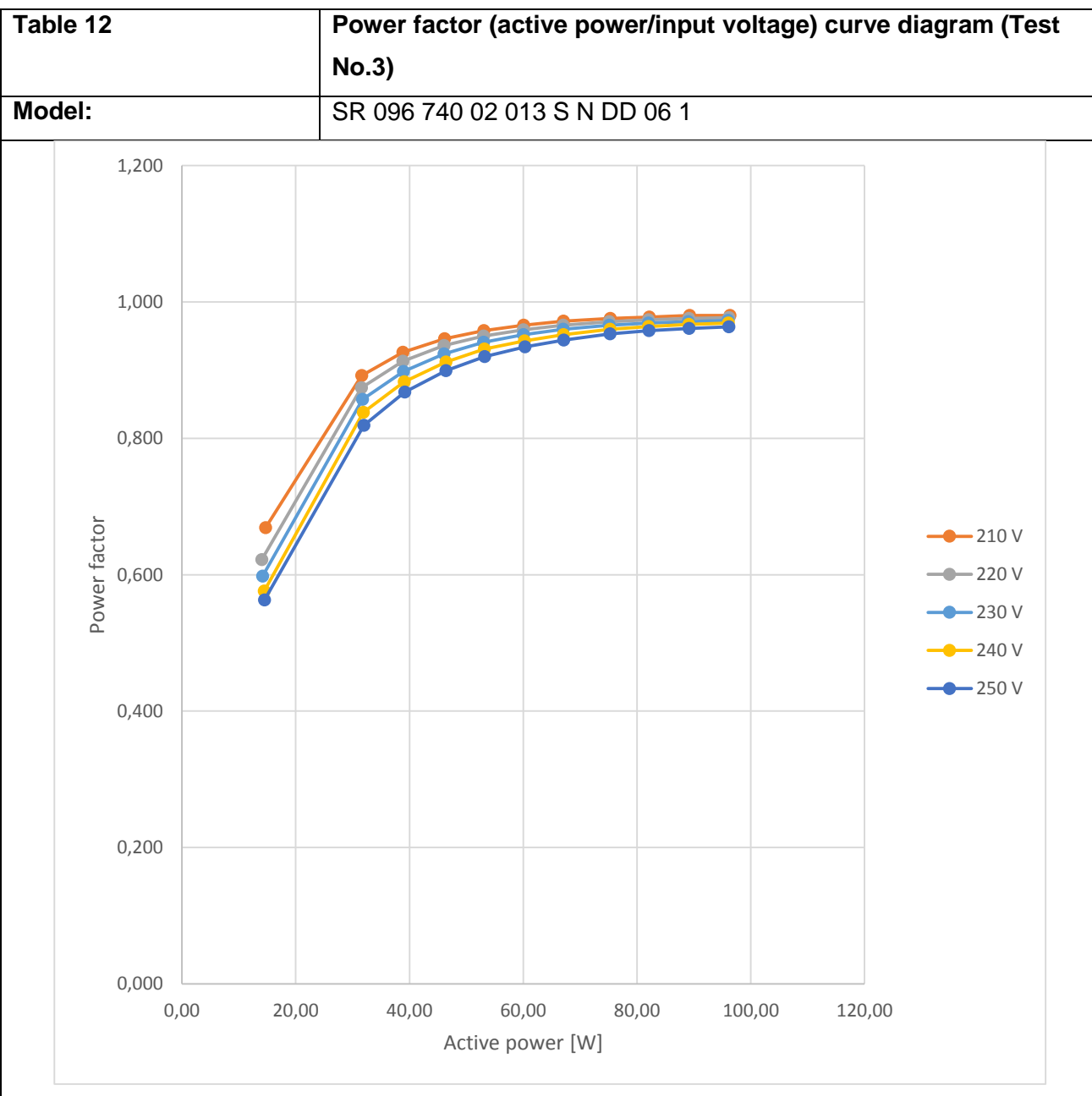


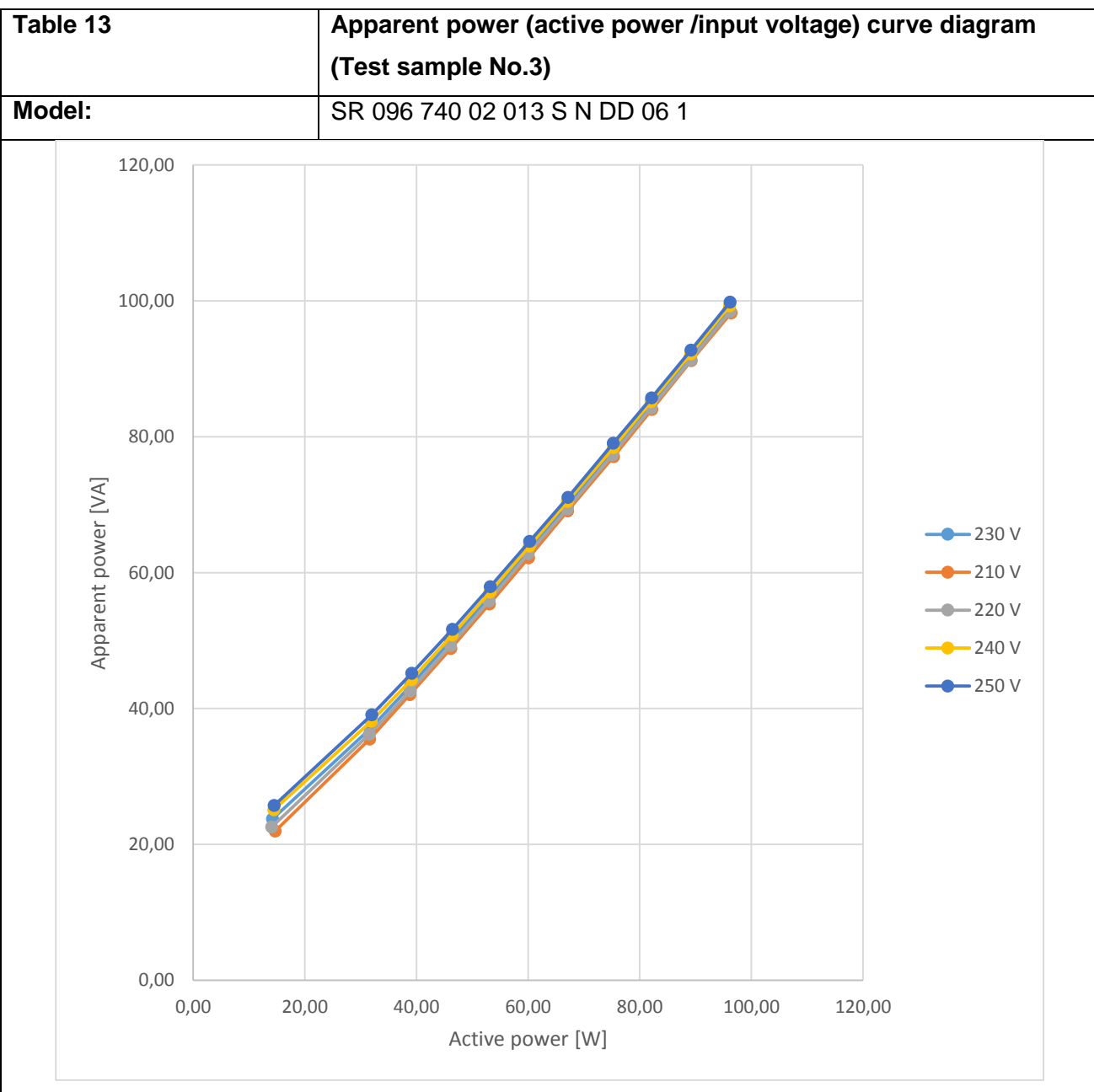
8	210	46,01	48,66	0,946	231,50	0,301	46,24%
9	210	39,02	42,09	0,926	200,40	0,250	38,40%
10	210	31,84	35,57	0,894	169,51	0,198	30,41%
11	210	14,21	21,53	0,657	102,81	0,069	10,60%
1	220	96,45	98,68	0,977	448,50	0,650	100,00%
2	220	89,42	91,55	0,976	417,00	0,604	92,92%
3	220	82,35	84,45	0,975	384,40	0,556	85,54%
4	220	75,32	77,42	0,972	352,10	0,508	78,15%
5	220	67,25	69,55	0,967	316,30	0,453	69,69%
6	220	60,16	62,71	0,960	285,40	0,405	62,31%
7	220	53,06	55,89	0,951	254,10	0,355	54,62%
8	220	46,02	49,14	0,936	223,40	0,301	46,31%
9	220	38,98	42,65	0,914	193,91	0,251	38,62%
10	220	31,82	36,34	0,877	165,05	0,198	30,46%
11	220	14,27	22,70	0,630	102,98	0,069	10,62%
1	240	96,56	99,57	0,969	414,80	0,651	100,00%
2	240	89,39	92,41	0,967	385,40	0,604	92,78%
3	240	82,32	85,28	0,964	355,80	0,556	85,41%
4	240	75,30	78,40	0,961	326,90	0,508	78,03%
5	240	67,28	70,59	0,953	294,10	0,453	69,59%
6	240	60,28	63,86	0,944	266,10	0,405	62,21%
7	240	53,23	57,15	0,931	238,00	0,356	54,69%

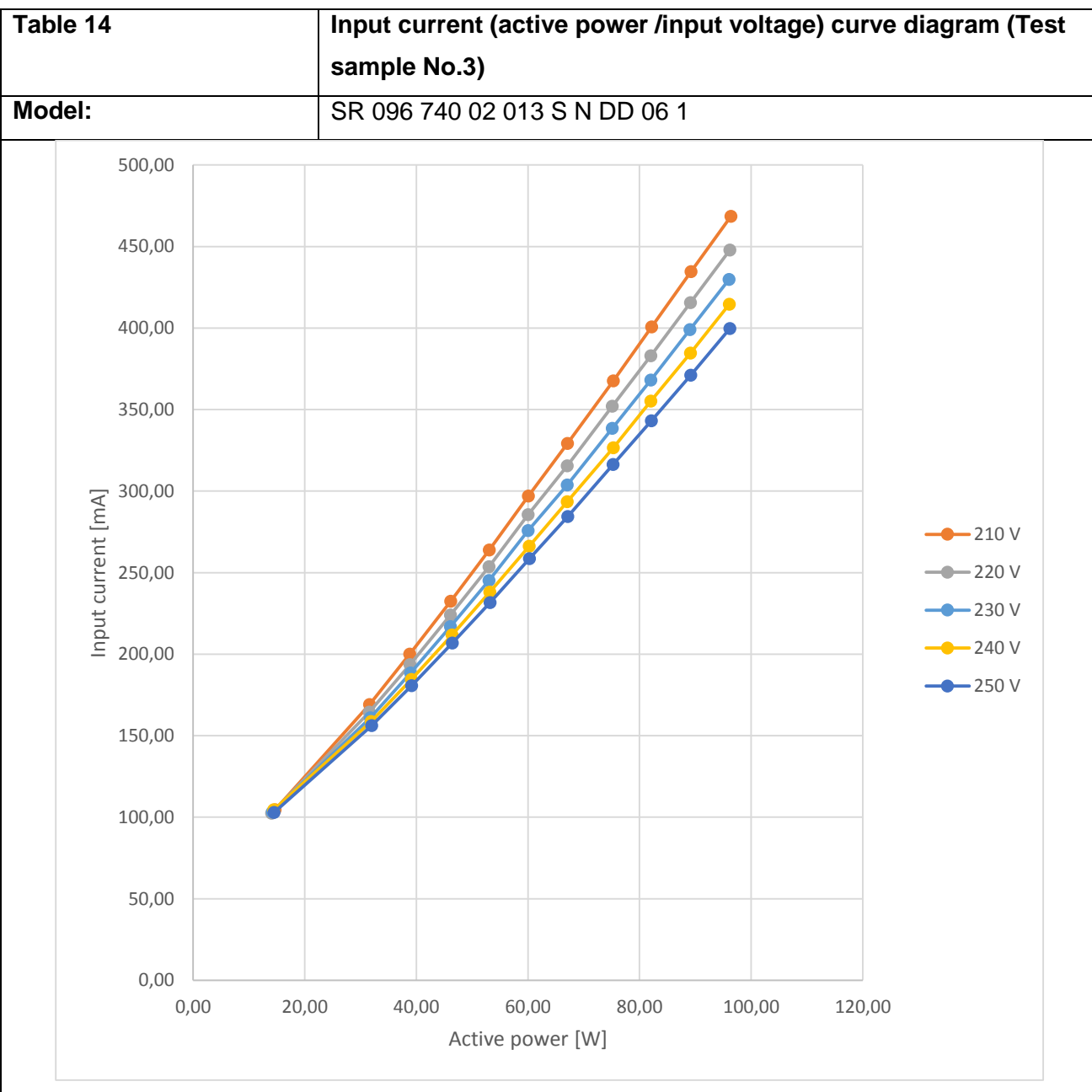


8	240	46,15	50,53	0,913	210,50	0,301	46,24%
9	240	39,02	44,21	0,884	184,21	0,251	38,56%
10	240	32,01	38,12	0,840	157,61	0,198	30,41%
11	240	14,52	25,08	0,576	104,51	0,069	10,60%
1	250	96,23	99,95	0,964	400,10	0,651	100,00%
2	250	89,31	92,84	0,962	371,80	0,604	92,78%
3	250	82,18	85,88	0,959	343,50	0,556	85,41%
4	250	75,25	78,91	0,953	315,70	0,509	78,19%
5	250	67,23	71,22	0,945	284,50	0,454	69,74%
6	250	60,22	64,50	0,935	258,10	0,405	62,21%
7	250	53,12	57,78	0,919	231,40	0,355	54,53%
8	250	46,14	51,32	0,899	205,20	0,301	46,24%
9	250	39,08	45,06	0,869	180,37	0,251	38,56%
10	250	32,08	39,07	0,820	156,29	0,198	30,41%
11	250	14,48	25,79	0,565	102,98	0,069	10,60%











<b>Table 15</b>	<b>Driver output current (active power/input voltage) curve diagram (Test sample No.3)</b>
<b>Model:</b>	SR 096 740 02 013 S N DD 06 1

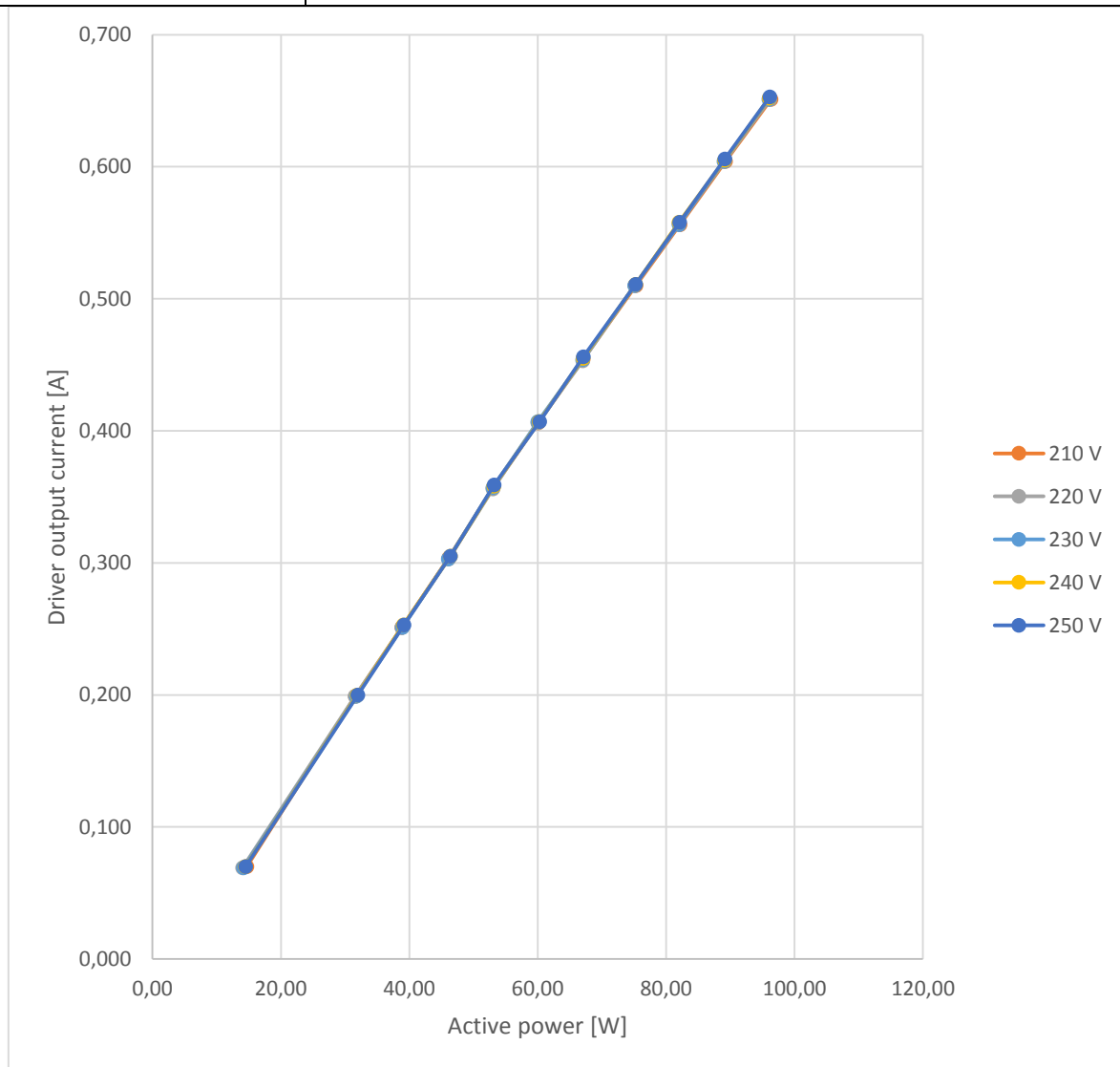




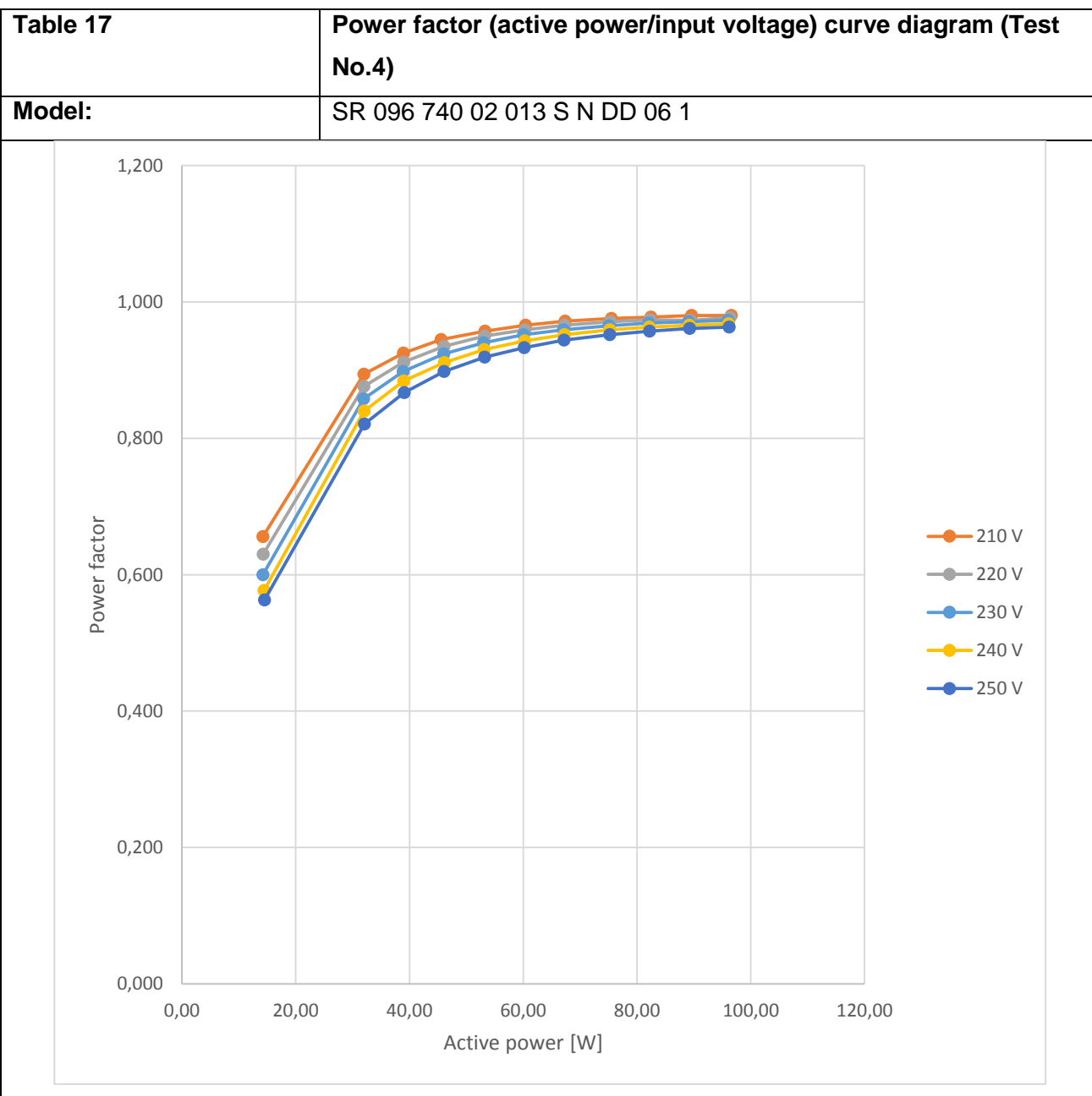
Table 16		Test data table No.3					
Model:		SR 096 740 02 013 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	96,01	98,69	0,973	429,80	0,651	100,00%
2	230	89,00	91,68	0,971	399,00	0,604	92,78%
3	230	82,01	84,60	0,969	368,10	0,556	85,41%
4	230	75,09	77,77	0,966	338,40	0,510	78,34%
5	230	67,00	69,81	0,960	303,70	0,454	69,74%
6	230	60,03	63,31	0,952	275,80	0,407	62,52%
7	230	53,02	56,40	0,941	245,20	0,357	54,84%
8	230	46,07	49,92	0,924	216,80	0,303	46,54%
9	230	38,93	43,34	0,898	188,42	0,251	38,56%
10	230	31,75	37,05	0,857	161,01	0,199	30,57%
11	230	14,18	23,74	0,598	103,14	0,069	10,60%
1	210	96,35	98,21	0,980	468,40	0,651	100,00%
2	210	89,23	91,18	0,980	434,50	0,604	92,78%
3	210	82,14	84,00	0,978	400,60	0,556	85,41%
4	210	75,28	77,04	0,976	367,60	0,510	78,34%
5	210	67,06	69,06	0,972	329,10	0,454	69,74%
6	210	60,08	62,18	0,966	296,90	0,406	62,37%
7	210	53,05	55,38	0,958	263,90	0,357	54,84%



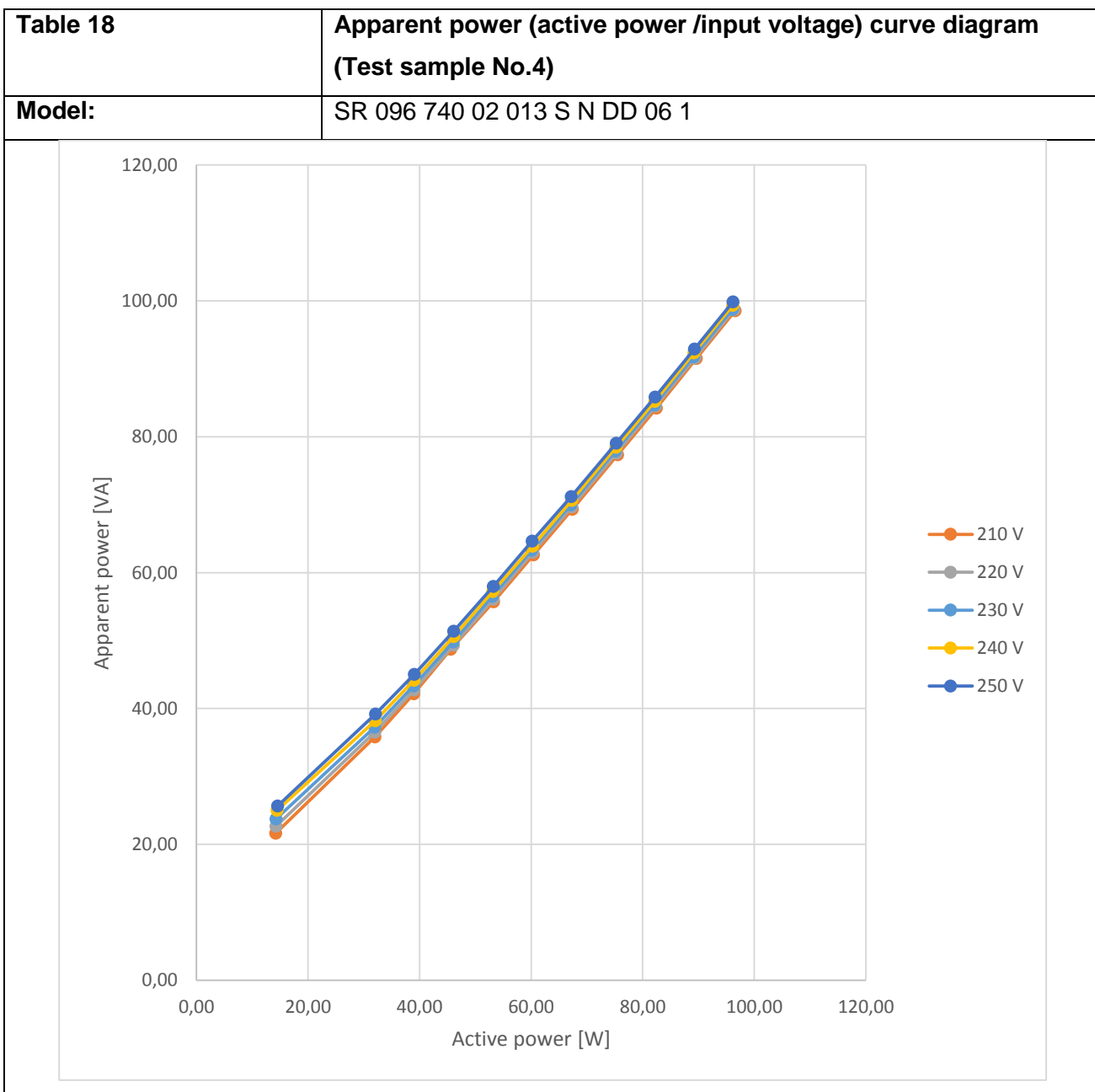
8	210	46,15	48,81	0,946	232,40	0,304	46,70%
9	210	38,81	42,04	0,926	200,00	0,251	38,56%
10	210	31,59	35,49	0,892	169,00	0,199	30,57%
11	210	14,68	21,94	0,669	104,46	0,070	10,75%
1	220	96,17	98,41	0,977	447,70	0,651	100,00%
2	220	89,09	91,26	0,976	415,60	0,604	92,78%
3	220	82,02	84,20	0,974	383,00	0,557	85,56%
4	220	75,11	77,32	0,971	352,00	0,510	78,34%
5	220	67,00	69,34	0,966	315,50	0,453	69,59%
6	220	60,03	62,77	0,959	285,50	0,406	62,37%
7	220	53,01	55,81	0,950	253,60	0,356	54,69%
8	220	46,09	49,27	0,936	224,00	0,303	46,54%
9	220	38,83	42,55	0,913	193,46	0,251	38,56%
10	220	31,56	36,19	0,874	164,33	0,199	30,57%
11	220	14,04	22,54	0,622	102,29	0,069	10,60%
1	240	96,06	99,24	0,969	414,60	0,652	100,00%
2	240	89,09	92,19	0,967	384,60	0,605	92,79%
3	240	82,02	85,14	0,964	355,10	0,558	85,58%
4	240	75,27	78,42	0,960	326,50	0,511	78,37%
5	240	67,04	70,45	0,952	293,50	0,455	69,79%
6	240	60,20	63,88	0,943	266,10	0,407	62,42%
7	240	53,15	57,13	0,931	238,10	0,358	54,91%



8	240	46,38	50,82	0,912	211,80	0,305	46,78%
9	240	39,09	44,23	0,883	184,42	0,253	38,80%
10	240	31,90	38,09	0,838	158,61	0,200	30,67%
11	240	14,44	25,09	0,576	104,59	0,070	10,74%
1	250	96,16	99,79	0,964	399,70	0,653	100,00%
2	250	89,15	92,72	0,961	371,10	0,606	92,80%
3	250	82,09	85,72	0,958	343,10	0,558	85,45%
4	250	75,25	79,03	0,953	316,20	0,511	78,25%
5	250	67,12	71,06	0,944	284,40	0,456	69,83%
6	250	60,28	64,58	0,934	258,50	0,407	62,33%
7	250	53,22	57,90	0,920	231,60	0,359	54,98%
8	250	46,42	51,65	0,899	206,70	0,305	46,71%
9	250	39,15	45,18	0,868	180,57	0,253	38,74%
10	250	31,99	39,06	0,819	156,20	0,200	30,63%
11	250	14,49	25,74	0,563	102,89	0,070	10,72%



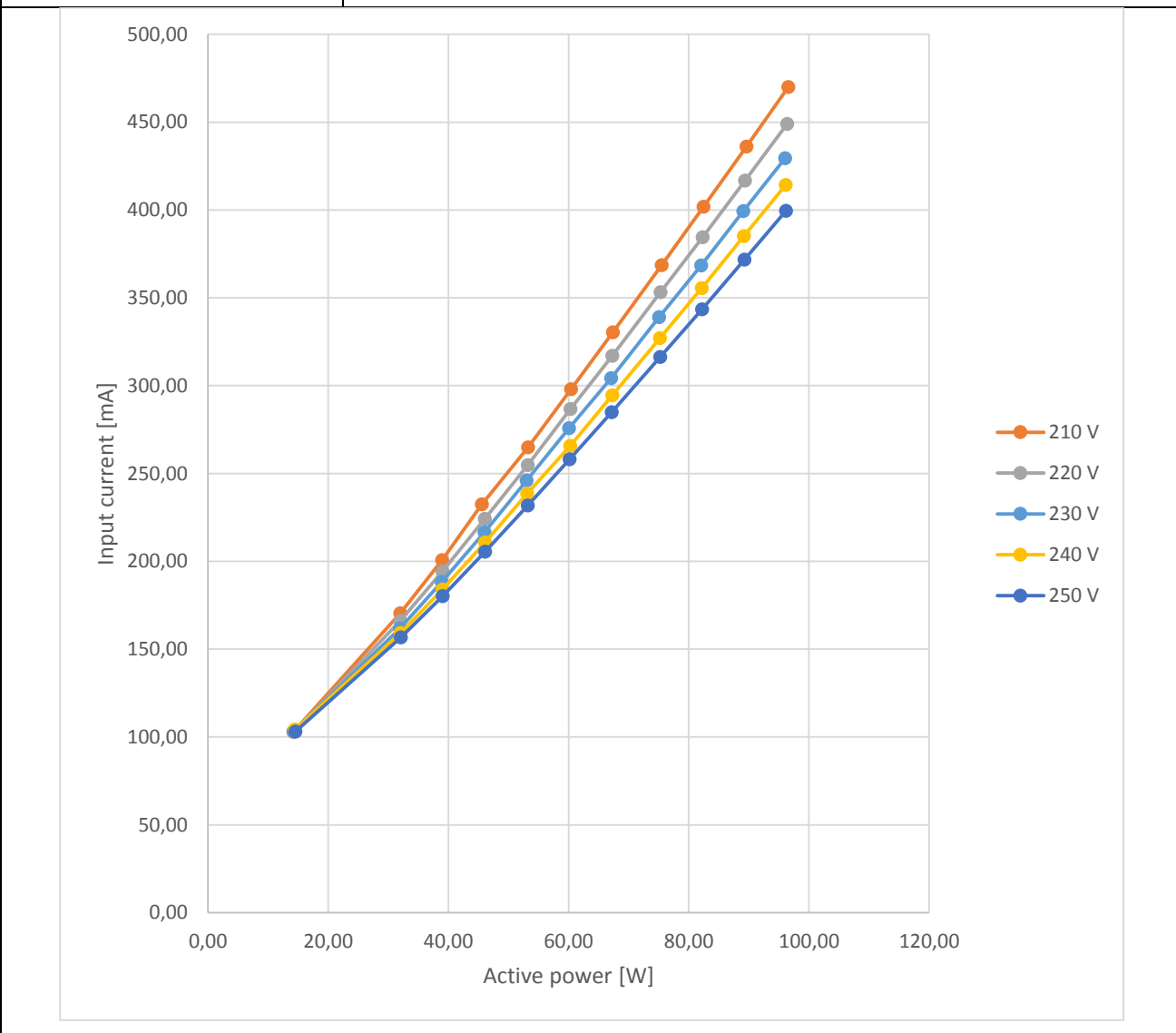






<b>Table 19</b>	<b>Input current (active power /input voltage) curve diagram (Test sample No.4)</b>
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<b>Model:</b>	SR 096 740 02 013 S N DD 06 1
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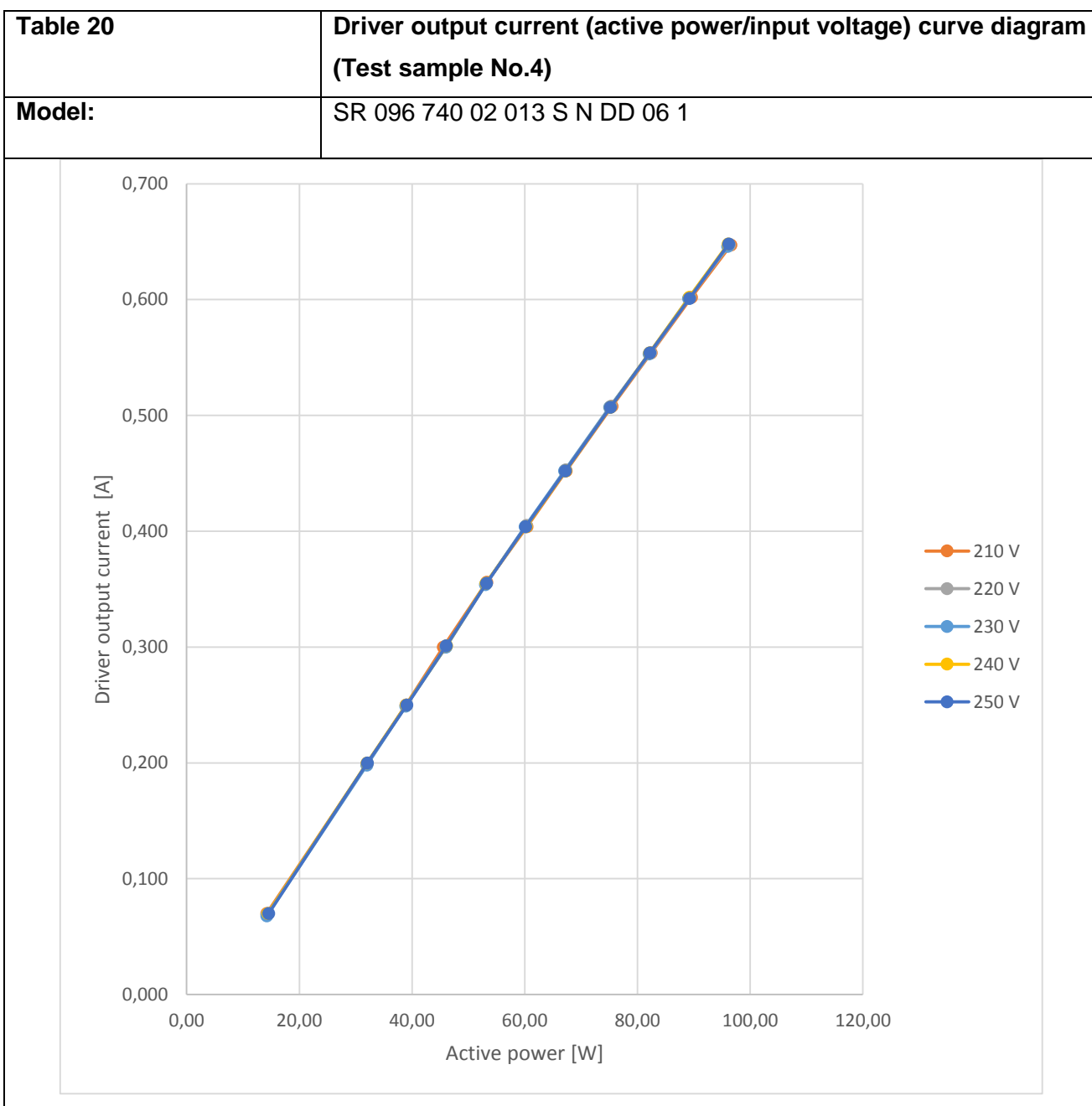




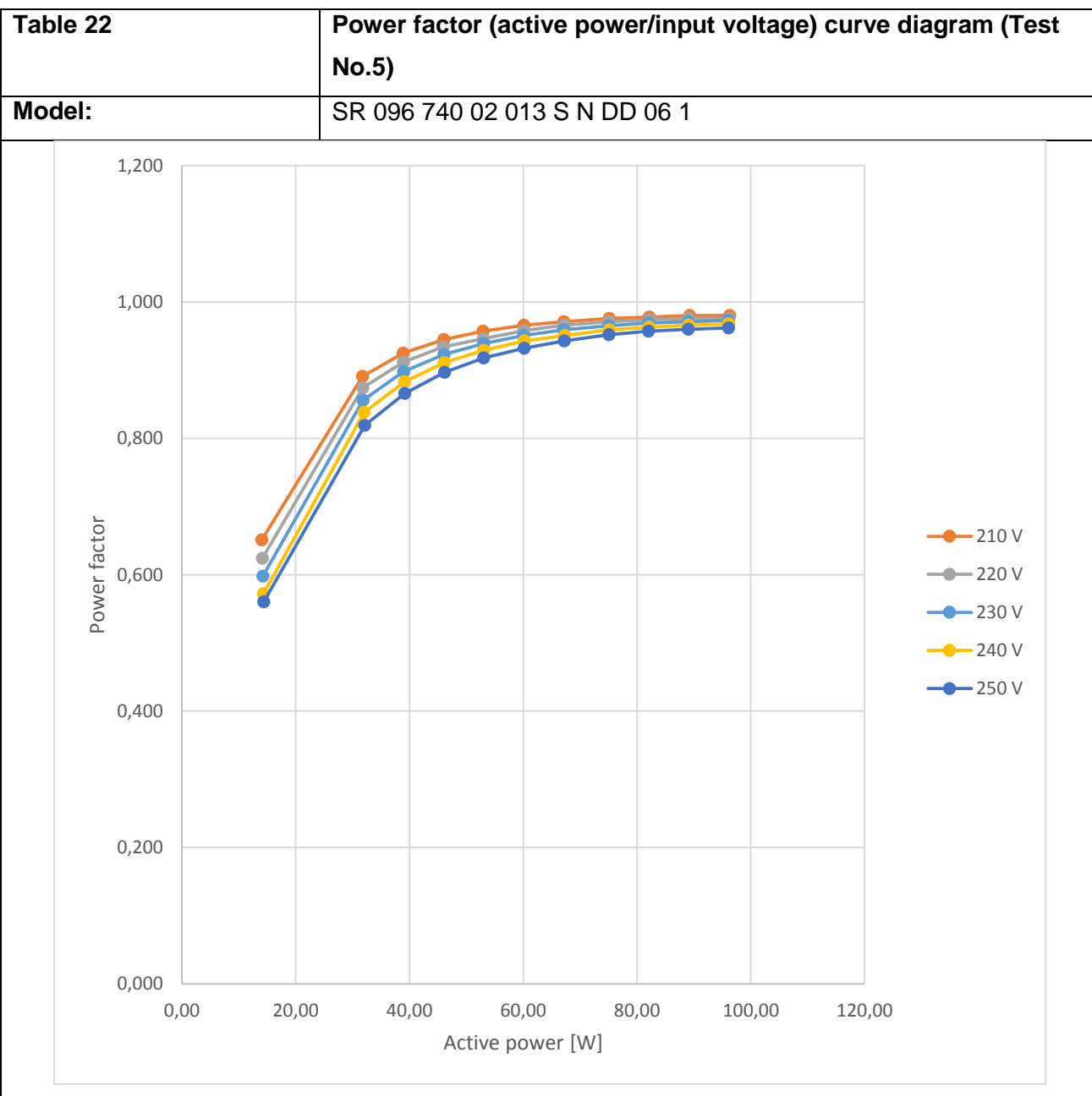
Table 21		Test data table No.4					
Model:		SR 096 740 02 013 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	96,02	98,72	0,973	429,50	0,646	100,00%
2	230	89,07	91,75	0,971	399,30	0,601	93,03%
3	230	82,04	84,65	0,969	368,40	0,553	85,60%
4	230	75,07	77,88	0,965	338,90	0,507	78,48%
5	230	67,05	69,96	0,959	304,20	0,452	69,97%
6	230	60,07	63,26	0,952	275,70	0,404	62,54%
7	230	53,02	56,50	0,940	246,00	0,354	54,80%
8	230	46,00	49,77	0,924	216,50	0,300	46,44%
9	230	38,88	43,30	0,898	188,19	0,249	38,54%
10	230	31,95	37,22	0,858	161,75	0,198	30,65%
11	230	14,23	23,74	0,600	103,15	0,068	10,53%
1	210	96,56	98,55	0,980	470,00	0,647	100,00%
2	210	89,59	91,50	0,980	436,00	0,602	93,04%
3	210	82,42	84,22	0,978	401,80	0,554	85,63%
4	210	75,48	77,32	0,976	368,50	0,508	78,52%
5	210	67,35	69,31	0,972	330,40	0,452	69,86%
6	210	60,40	62,60	0,966	297,90	0,404	62,44%
7	210	53,24	55,68	0,957	264,90	0,356	55,02%

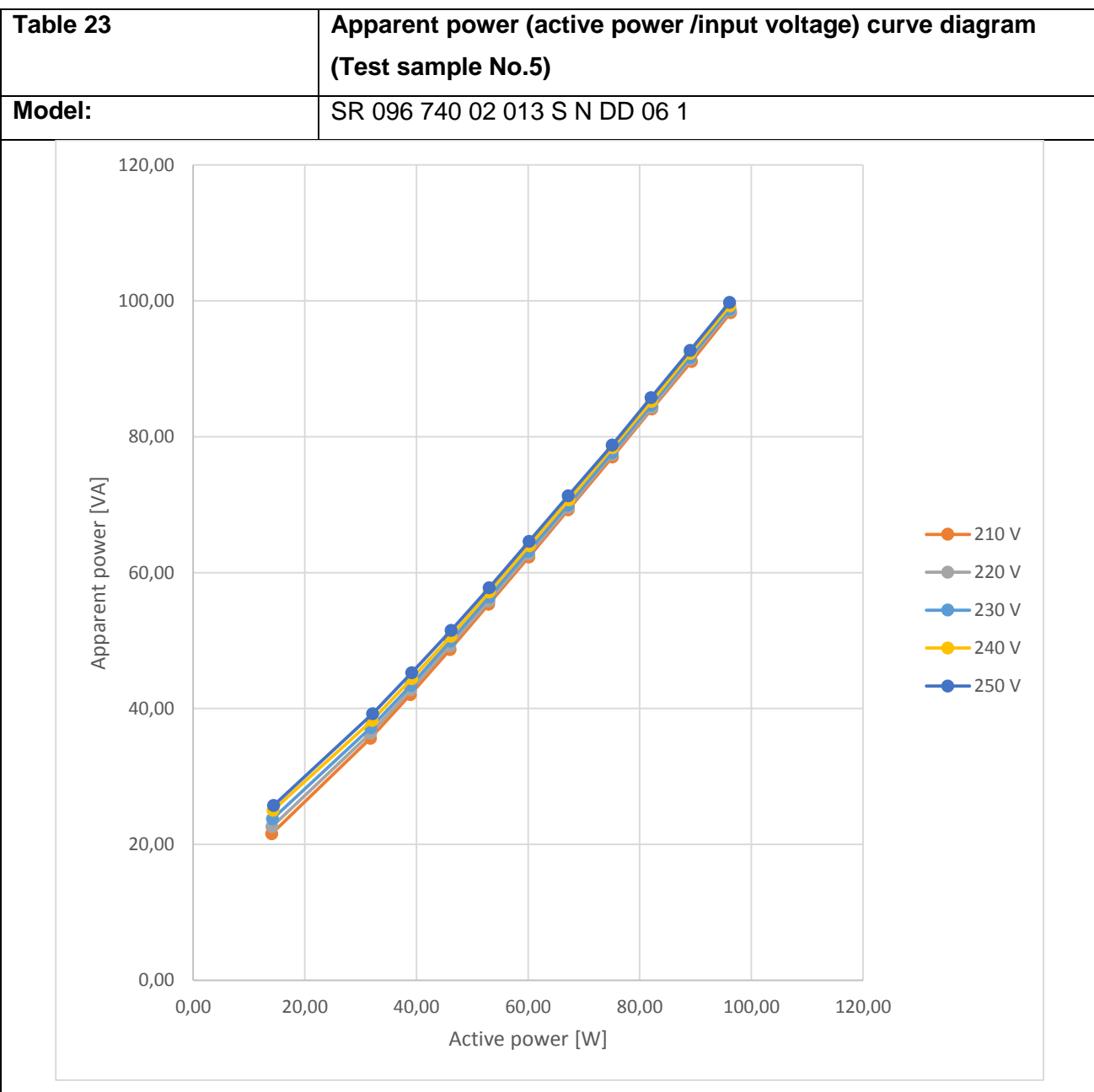


8	210	45,55	48,70	0,945	232,40	0,300	46,37%
9	210	38,94	42,14	0,925	200,70	0,250	38,64%
10	210	31,98	35,79	0,894	170,33	0,199	30,76%
11	210	14,21	21,64	0,656	102,93	0,070	10,82%
1	220	96,36	98,69	0,977	449,00	0,647	100,00%
2	220	89,35	91,57	0,973	416,60	0,602	93,04%
3	220	82,32	84,53	0,974	384,50	0,554	85,63%
4	220	75,31	77,59	0,971	353,20	0,508	78,52%
5	220	67,25	69,68	0,966	317,00	0,453	70,02%
6	220	60,30	63,01	0,959	286,60	0,405	62,60%
7	220	53,19	56,09	0,950	254,80	0,355	54,87%
8	220	46,05	49,30	0,935	224,10	0,301	46,52%
9	220	38,99	42,70	0,912	194,11	0,250	38,64%
10	220	31,97	36,50	0,876	166,10	0,199	30,76%
11	220	14,25	22,65	0,630	102,81	0,069	10,66%
1	240	96,12	99,34	0,968	414,20	0,648	100,00%
2	240	89,18	92,33	0,966	385,10	0,602	92,90%
3	240	82,14	85,21	0,963	355,40	0,554	85,49%
4	240	75,21	78,46	0,959	327,00	0,507	78,24%
5	240	67,25	70,61	0,952	294,40	0,452	69,75%
6	240	60,24	63,86	0,943	265,70	0,404	62,35%
7	240	53,12	57,21	0,930	238,50	0,355	54,78%

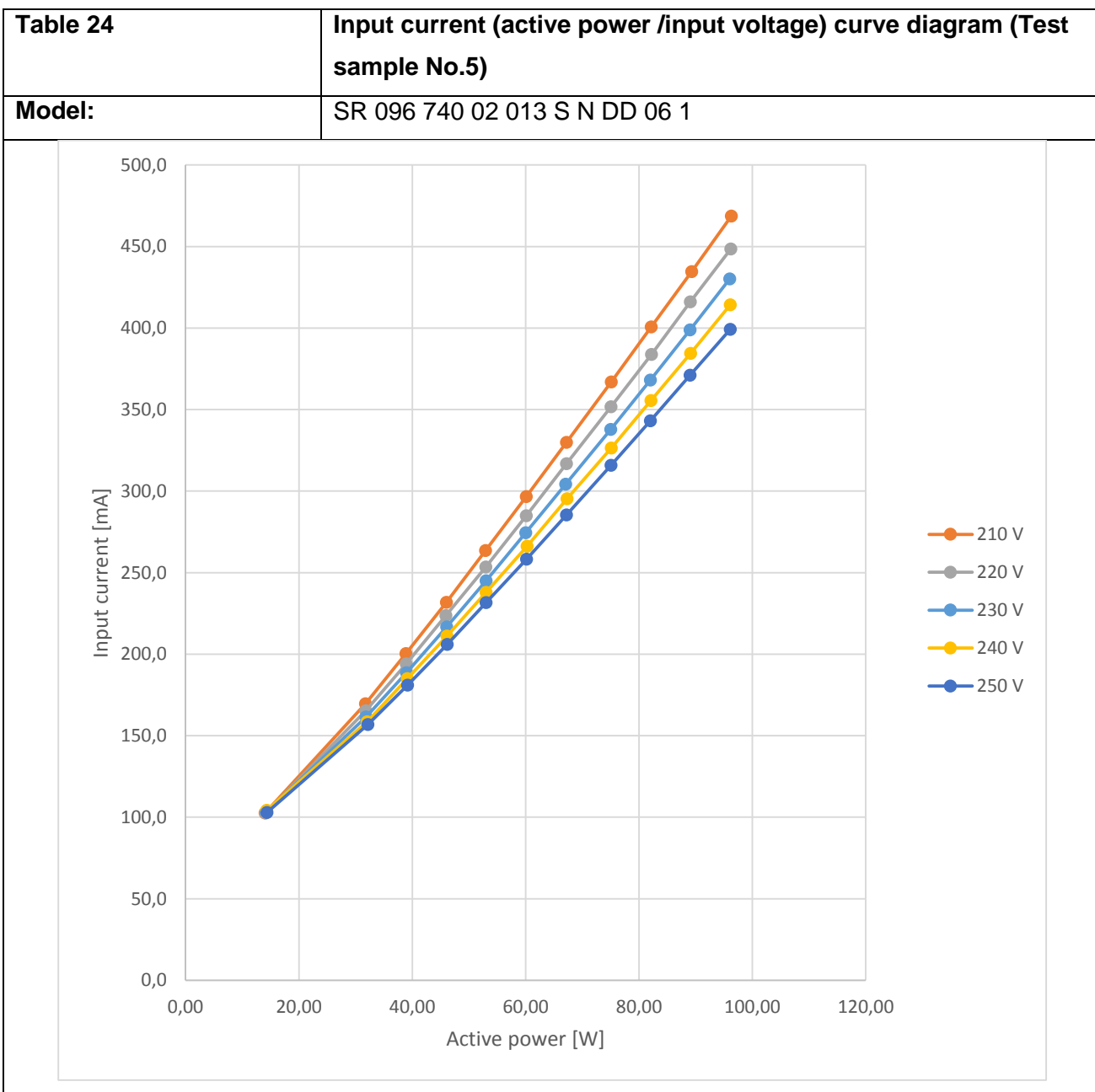


8	240	46,11	50,57	0,911	210,70	0,301	46,45%
9	240	38,99	44,15	0,884	183,94	0,250	38,58%
10	240	32,04	38,19	0,840	159,15	0,200	30,86%
11	240	14,41	25,00	0,577	104,14	0,070	10,79%
1	250	96,18	99,86	0,963	399,50	0,648	100,00%
2	250	89,25	92,90	0,961	371,70	0,601	92,75%
3	250	82,18	85,82	0,957	343,40	0,554	85,49%
4	250	75,22	79,05	0,952	316,30	0,507	78,24%
5	250	67,18	71,17	0,944	284,80	0,452	69,75%
6	250	60,14	64,61	0,933	258,10	0,404	62,35%
7	250	53,22	57,96	0,919	231,70	0,355	54,78%
8	250	46,08	51,38	0,898	205,50	0,301	46,45%
9	250	39,05	45,02	0,867	180,20	0,250	38,58%
10	250	32,07	39,19	0,821	156,65	0,200	30,86%
11	250	14,53	25,66	0,563	102,99	0,070	10,80%









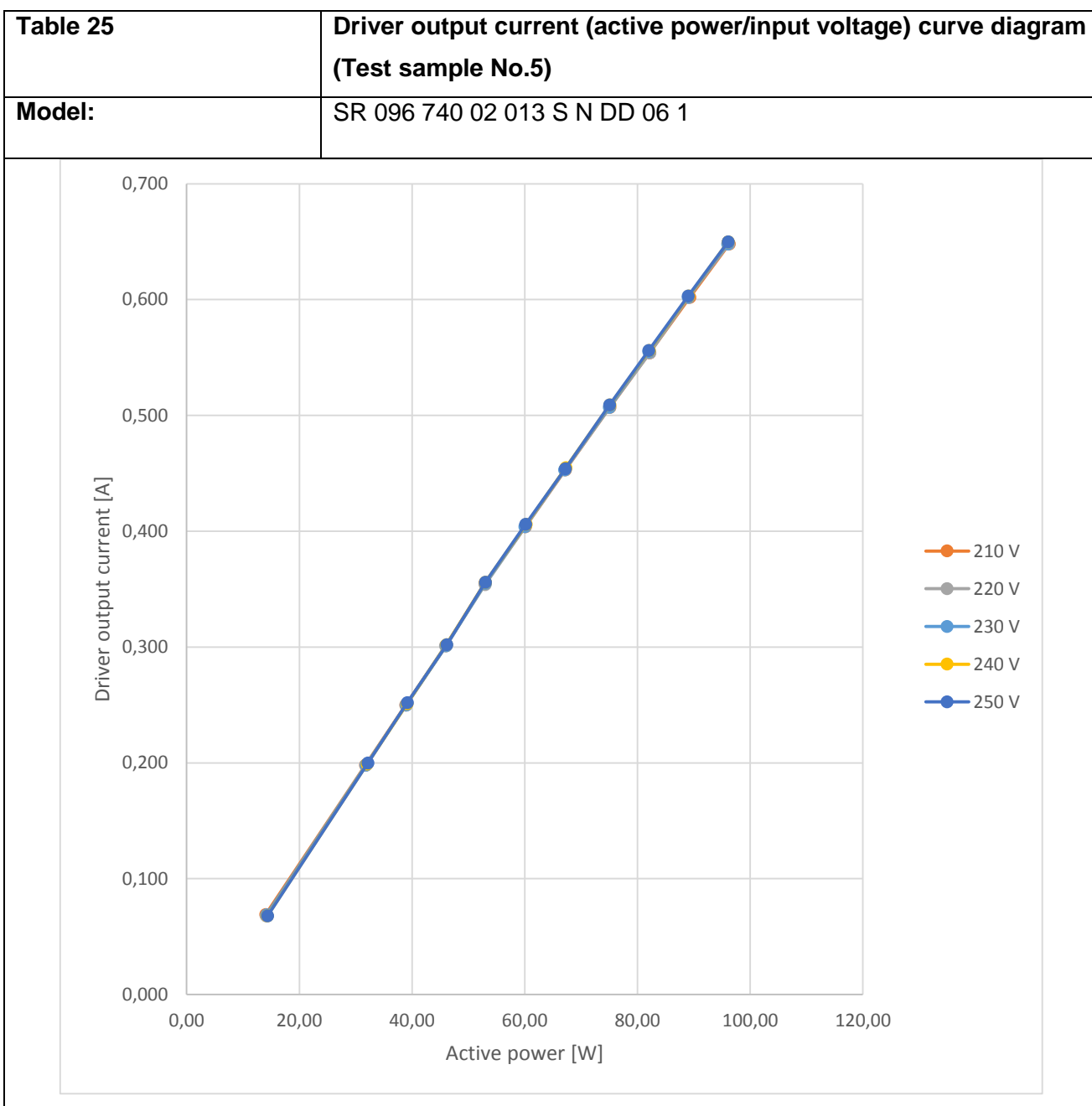




Table 26		Test data table No.5					
Model:		SR 096 740 02 013 S N DD 06 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	96,02	98,75	0,973	430,0	0,648	100,00%
2	230	89,03	91,67	0,971	398,8	0,602	92,89%
3	230	82,02	84,62	0,969	368,1	0,555	85,65%
4	230	75,00	77,63	0,965	337,7	0,507	78,24%
5	230	67,06	69,91	0,959	304,2	0,453	69,91%
6	230	60,03	63,12	0,951	274,4	0,404	62,35%
7	230	53,02	56,42	0,939	245,0	0,355	54,78%
8	230	46,05	49,90	0,923	216,7	0,301	46,45%
9	230	38,99	43,38	0,898	188,6	0,250	38,58%
10	230	31,81	37,15	0,856	161,4	0,198	30,56%
11	230	14,21	23,75	0,598	103,1	0,069	10,62%
1	210	96,28	98,25	0,980	468,7	0,648	100,00%
2	210	89,27	91,09	0,980	434,5	0,602	92,90%
3	210	82,16	84,07	0,978	400,6	0,554	85,49%
4	210	75,09	77,01	0,976	366,9	0,507	78,24%
5	210	67,18	69,24	0,971	329,9	0,453	69,91%
6	210	60,12	62,28	0,966	296,5	0,404	62,35%
7	210	52,90	55,32	0,957	263,5	0,355	54,78%



8	210	46,00	48,67	0,945	231,8	0,301	46,45%
9	210	38,88	42,03	0,925	200,3	0,250	38,58%
10	210	31,73	35,60	0,891	169,5	0,198	30,56%
11	210	14,03	21,54	0,651	102,5	0,069	10,65%
1	220	96,20	98,57	0,976	448,4	0,648	100,00%
2	220	89,06	91,39	0,976	416,0	0,602	92,90%
3	220	82,19	84,34	0,974	383,8	0,554	85,49%
4	220	75,04	77,37	0,971	351,7	0,507	78,24%
5	220	67,21	69,59	0,966	316,7	0,453	69,91%
6	220	60,13	62,74	0,958	284,9	0,404	62,35%
7	220	52,97	55,81	0,946	253,4	0,354	54,63%
8	220	45,94	49,18	0,934	223,7	0,301	46,45%
9	220	38,93	42,70	0,912	194,0	0,250	38,58%
10	220	31,79	36,36	0,874	165,2	0,198	30,56%
11	220	14,11	22,60	0,624	102,6	0,068	10,49%
1	240	96,12	99,26	0,968	414,2	0,650	100,00%
2	240	89,08	92,28	0,966	384,5	0,603	92,77%
3	240	82,10	85,20	0,963	355,4	0,556	85,54%
4	240	75,11	78,37	0,959	326,4	0,509	78,31%
5	240	67,30	70,72	0,951	295,3	0,455	70,00%
6	240	60,23	63,94	0,943	266,2	0,406	62,46%
7	240	53,01	57,11	0,929	237,9	0,356	54,77%



8	240	46,12	50,60	0,911	211,0	0,302	46,46%
9	240	39,12	44,38	0,883	184,9	0,251	38,62%
10	240	32,01	38,23	0,838	158,5	0,199	30,62%
11	240	14,29	25,02	0,572	104,2	0,068	10,46%
1	250	96,08	99,75	0,962	399,1	0,650	100,00%
2	250	89,01	92,70	0,960	371,0	0,603	92,77%
3	250	82,02	85,76	0,957	343,0	0,556	85,54%
4	250	75,04	78,78	0,952	315,7	0,509	78,31%
5	250	67,19	71,30	0,943	285,3	0,454	69,85%
6	250	60,15	64,60	0,932	258,2	0,406	62,46%
7	250	53,03	57,76	0,918	231,5	0,356	54,77%
8	250	46,18	51,48	0,897	206,0	0,302	46,46%
9	250	39,15	45,24	0,866	181,0	0,252	38,77%
10	250	32,14	39,20	0,819	156,8	0,200	30,77%
11	250	14,37	25,71	0,560	102,9	0,068	10,46%