



**TEST REPORT No. E/1/21.10.15./01**

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

Report reference No.	Report No.: E/1/21.10.15./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)	

*Ingmārs Felcis*



Test sample	1	
Type of test object	LED street luminaire	
Trade mark	VIZULO STORK	
Model and/or type reference	SR 137 740 02 014 S N DD 03 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	21.10.2015.	
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 137 740 02 014 S N DD 03 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: 69 ... 137 [W]

LED module type: 01 (64 LEDs)

LED module quantity: 4

LED driver: Philips Xitanium 150W 0.35-0.7A GL Prog sXt

These parameters correspond to following model numbers:

SR ppp xxx xx 014 x x xx xx x;

SRL ppp xxx xx 014 x x xx xx x, where ppp - 069 ... 137 [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 137 740 02 014 S N DD 03 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)





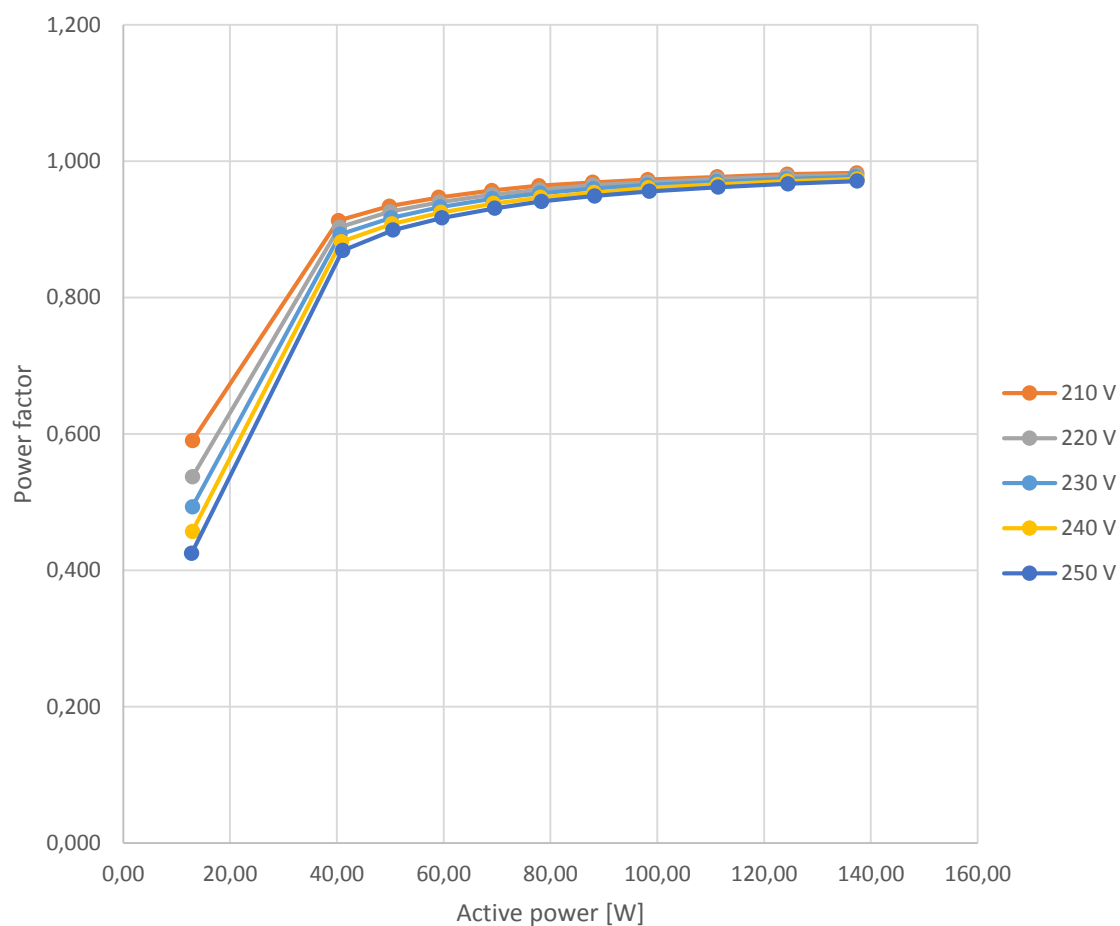
Clause	Requirement - Test	Measuring result – Remark	Verdict
2.0	Ambient Conditions		
2.1	General		P
2.2	Air Temperature		P
2.3	Thermal Condition for Mounting SSL Products		P
2.4	Air Movement		P
3.0	Power Supply Characteristics		
3.1	Wave shape of AC power supply		P
3.2	Voltage regulation		P
4.0	Seasoning 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

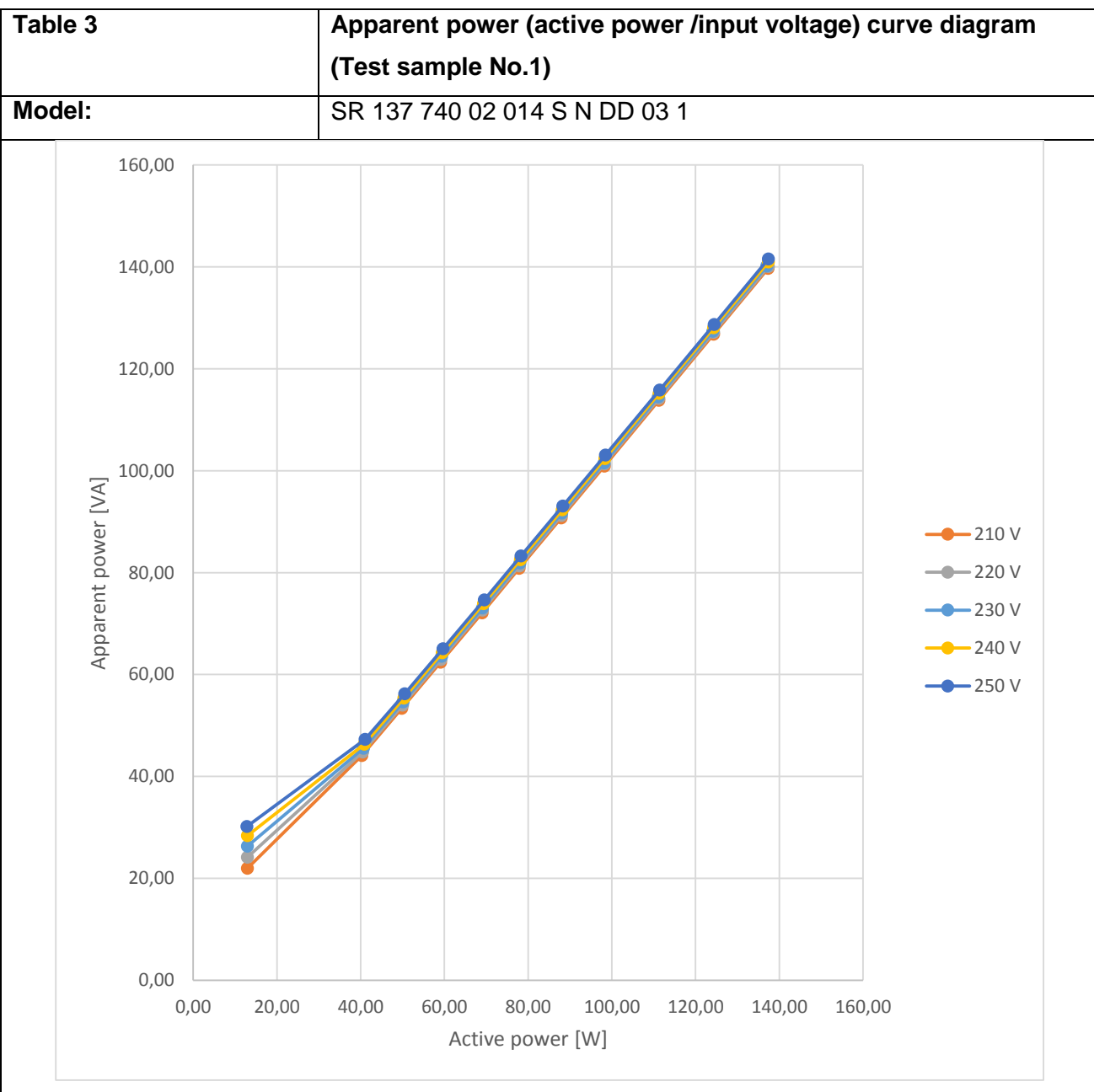


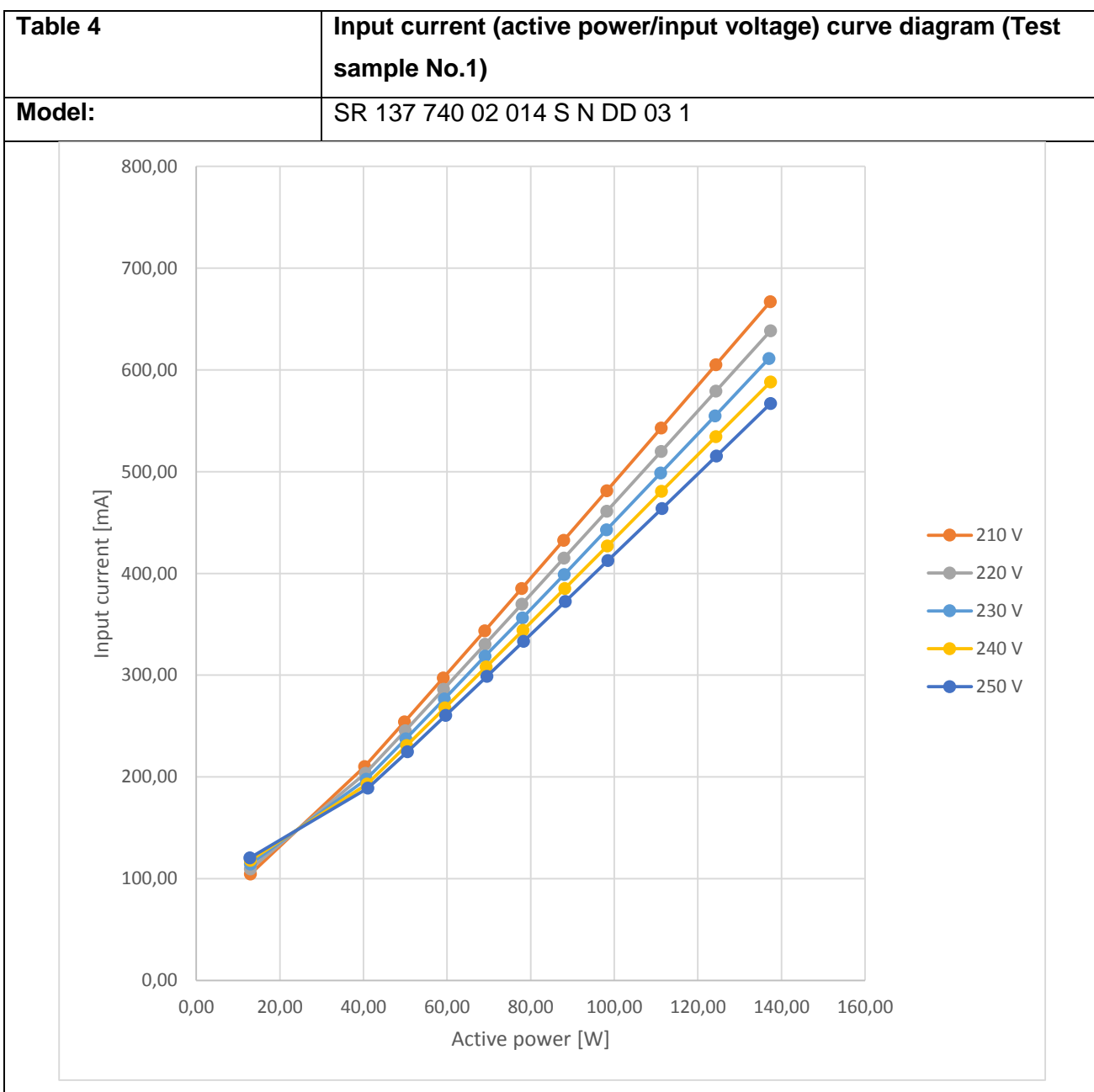
Table 1	Test data		
Model:	SR 137 740 02 014 S N DD 03 1		
Rated Voltage (V):	220-240	Rated Power (W):	137
Rated Frequency (Hz):	50 Hz	Ambient temperature 25 ±1 (°C):	24.8
Test item		Measured Value	
Electrical Input Results			
Input Voltage (Volts AC)		210 - 250	
Input Frequency (Hertz)		50	
Additional Information			
Ambient Temperature (°C):		24.8	
Supplementary Information: <ul style="list-style-type: none"><li>- 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%.</li></ul>			



<b>Table 2</b>	<b>Power factor (active power/input voltage) curve diagram (Test No.1)</b>
<b>Model:</b>	SR 137 740 02 014 S N DD 03 1











<b>Table 5</b>	<b>Driver output current (active power/input voltage) curve diagram (Test sample No.1)</b>
<b>Model:</b>	SR 137 740 02 014 S N DD 03 1

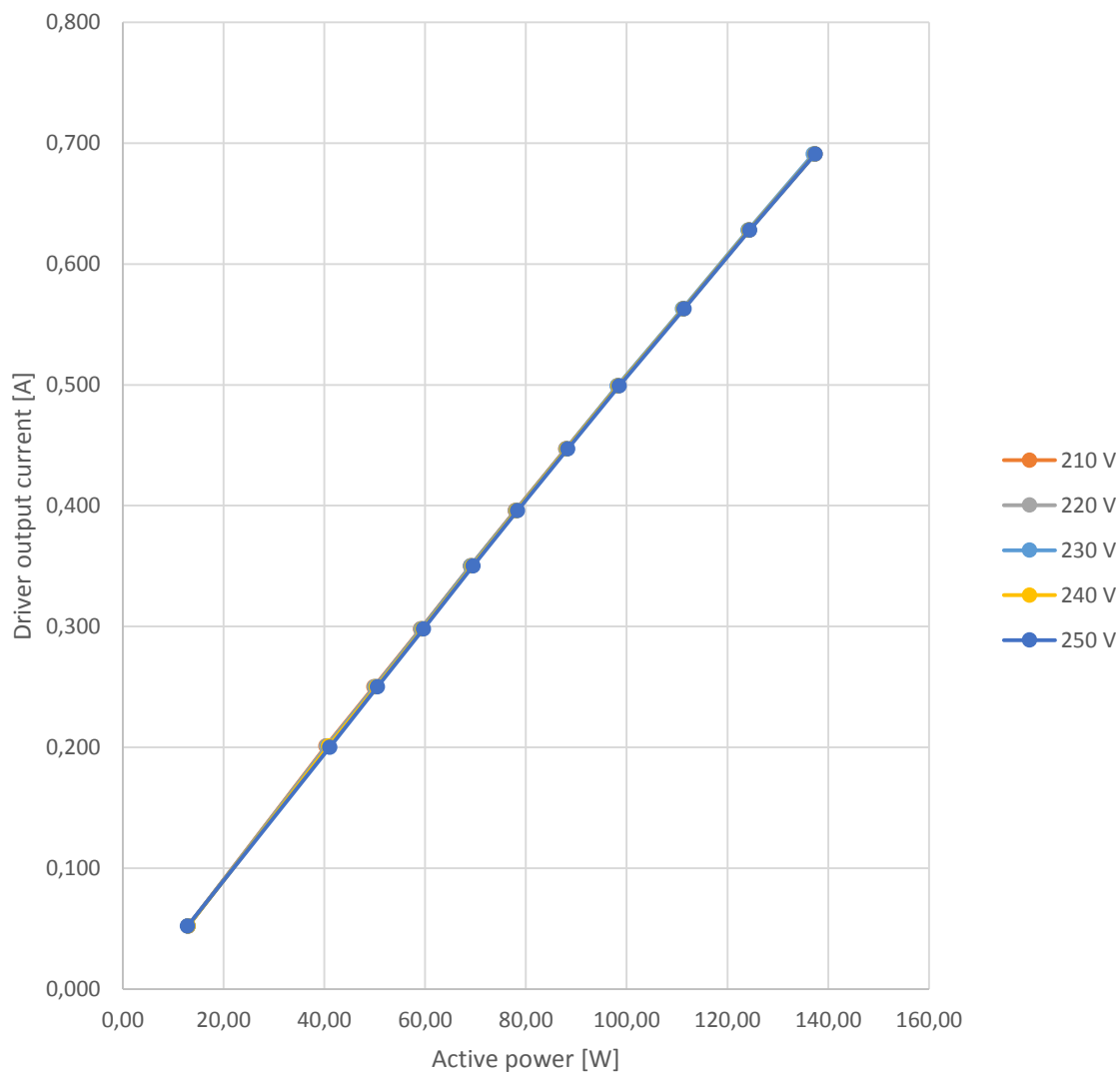




Table 6		Test data table No.1					
Model:		SR 137 740 02 014 S N DD 03 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	137,01	140,16	0,977	611,00	0,691	100,00%
2	230	124,08	127,35	0,974	554,60	0,628	90,88%
3	230	111,10	114,50	0,970	498,50	0,563	81,48%
4	230	98,11	101,51	0,965	442,80	0,499	72,21%
5	230	88,00	91,68	0,960	398,90	0,447	64,69%
6	230	78,00	81,86	0,953	356,10	0,396	57,31%
7	230	69,05	73,04	0,945	318,60	0,350	50,65%
8	230	59,31	63,59	0,933	276,50	0,298	43,13%
9	230	50,10	54,63	0,917	237,50	0,250	36,18%
10	230	40,61	45,50	0,893	197,78	0,201	29,09%
11	230	12,96	26,30	0,493	114,33	0,052	7,53%
1	210	137,33	139,67	0,983	667,00	0,691	100,00%
2	210	124,31	126,76	0,981	605,00	0,628	90,88%
3	210	111,21	113,78	0,977	542,80	0,563	81,48%
4	210	98,18	100,88	0,973	481,10	0,499	72,21%
5	210	87,90	90,71	0,969	432,50	0,447	64,69%
6	210	77,85	80,81	0,964	385,20	0,396	57,31%
7	210	69,00	72,10	0,957	343,50	0,350	50,65%



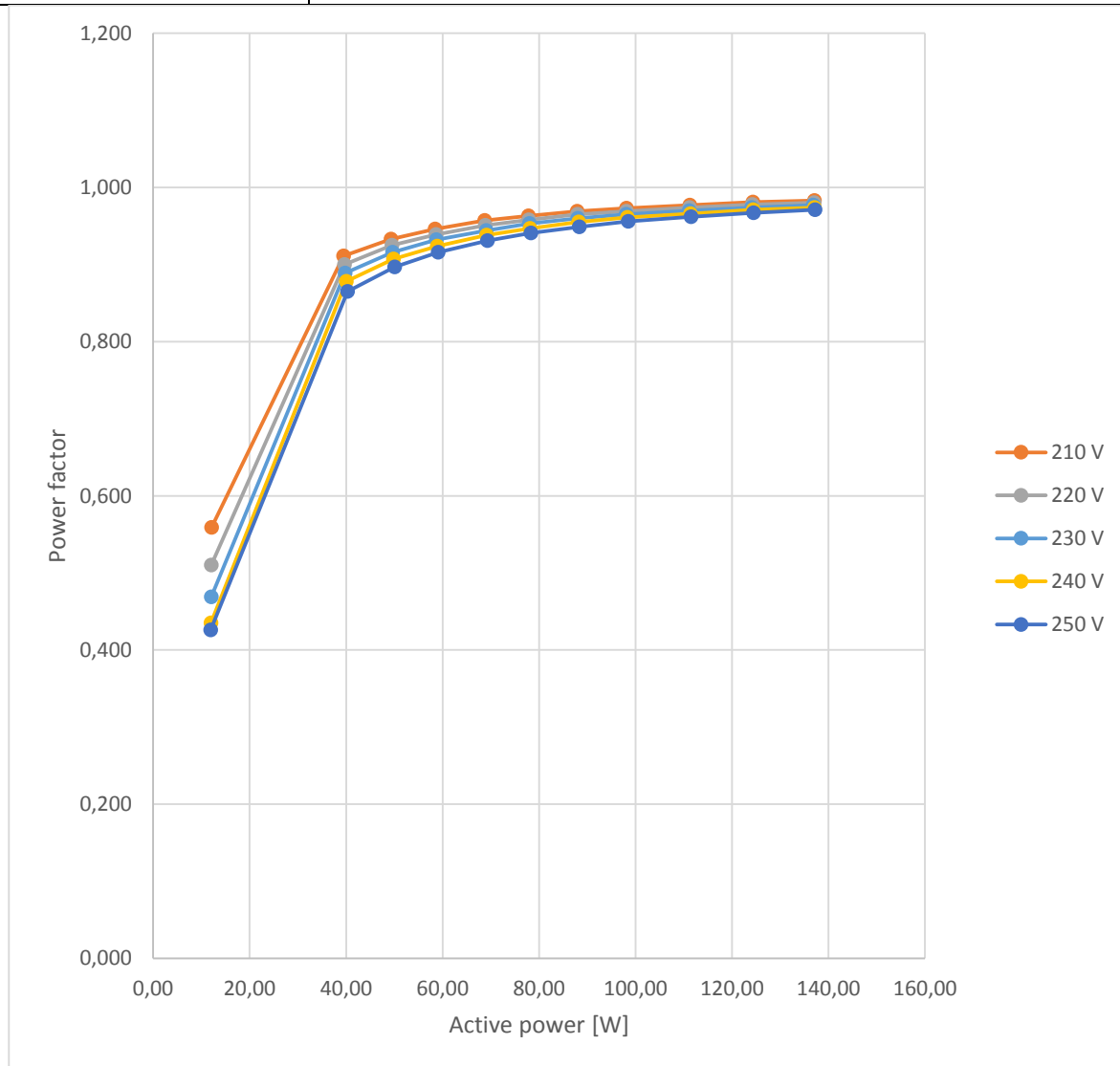
8	210	59,07	62,38	0,947	297,20	0,298	43,13%
9	210	49,80	53,34	0,934	254,00	0,250	36,18%
10	210	40,27	44,10	0,913	210,00	0,201	29,09%
11	210	12,94	21,96	0,590	104,50	0,052	7,53%
1	220	137,35	140,07	0,980	638,40	0,691	100,00%
2	220	124,29	127,13	0,978	579,00	0,628	90,88%
3	220	111,21	114,18	0,974	519,80	0,563	81,48%
4	220	98,22	101,32	0,969	461,10	0,499	72,21%
5	220	87,95	91,19	0,965	414,90	0,447	64,69%
6	220	77,92	81,31	0,958	369,80	0,396	57,31%
7	220	69,08	72,64	0,951	330,40	0,350	50,65%
8	220	59,17	62,95	0,940	286,20	0,298	43,13%
9	220	49,96	53,98	0,926	245,40	0,250	36,18%
10	220	40,45	44,79	0,903	203,50	0,201	29,09%
11	220	12,95	24,11	0,537	109,48	0,052	7,53%
1	240	137,38	140,96	0,974	588,20	0,691	100,00%
2	240	124,31	128,05	0,971	534,30	0,628	90,88%
3	240	111,29	115,18	0,966	480,50	0,563	81,48%
4	240	98,33	102,38	0,961	427,00	0,499	72,21%
5	240	88,12	92,33	0,954	385,00	0,447	64,69%
6	240	78,14	82,53	0,947	344,00	0,396	57,31%
7	240	69,33	73,90	0,938	308,00	0,350	50,65%



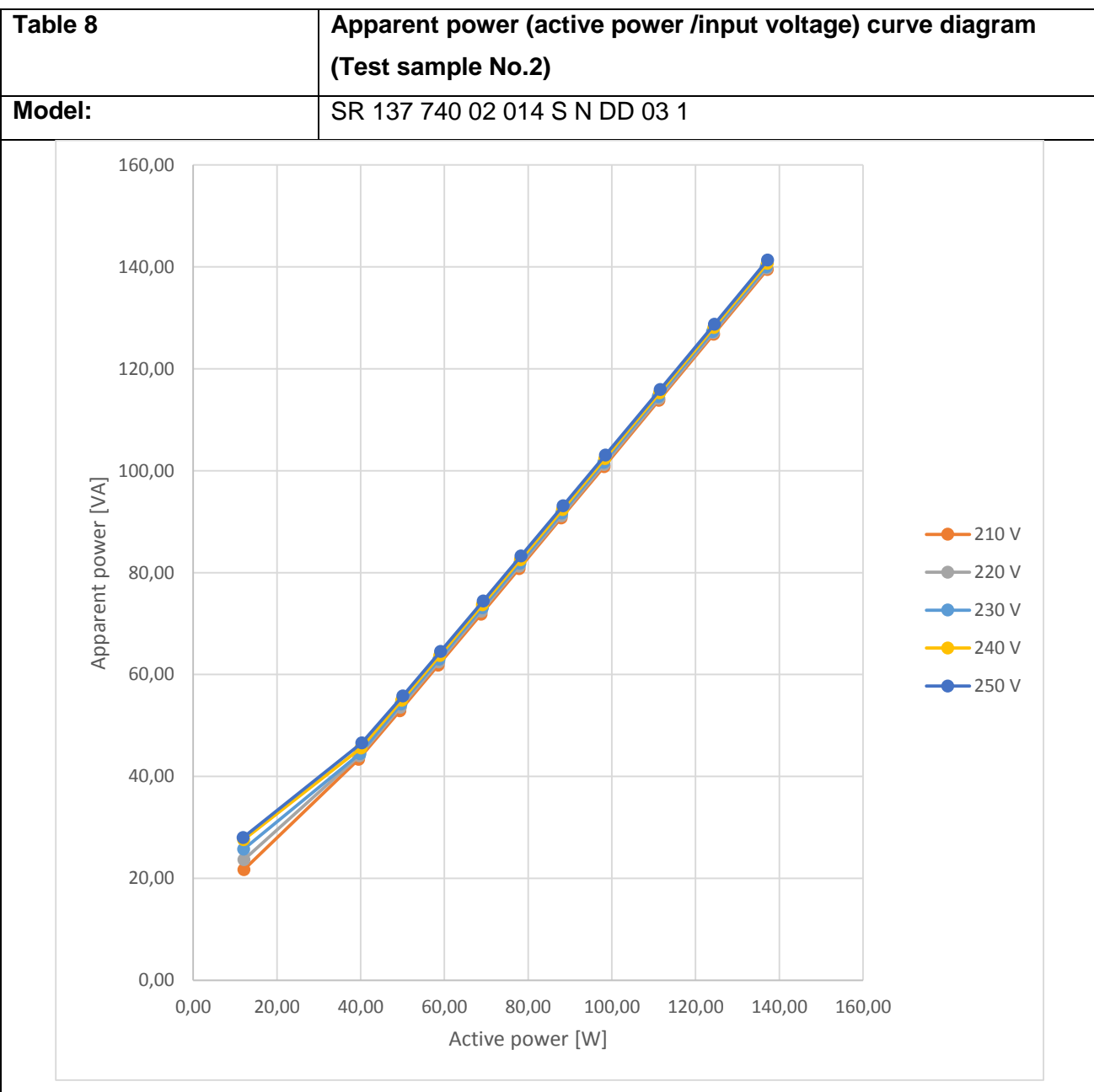
8	240	59,46	64,28	0,925	267,80	0,298	43,13%
9	240	50,28	55,38	0,908	230,70	0,250	36,18%
10	240	40,82	46,30	0,882	192,84	0,201	29,09%
11	240	12,94	28,36	0,457	117,89	0,052	7,53%
1	250	137,40	141,53	0,971	566,90	0,691	100,00%
2	250	124,43	128,70	0,967	515,40	0,628	90,88%
3	250	111,42	115,83	0,962	463,80	0,563	81,48%
4	250	98,48	103,07	0,956	412,60	0,499	72,21%
5	250	88,28	93,04	0,949	372,40	0,447	64,69%
6	250	78,31	83,25	0,941	333,10	0,396	57,31%
7	250	69,52	74,65	0,931	298,70	0,350	50,65%
8	250	59,67	65,07	0,917	260,30	0,298	43,13%
9	250	50,50	56,19	0,899	224,70	0,250	36,18%
10	250	41,06	47,25	0,869	188,95	0,200	28,94%
11	250	12,81	30,15	0,425	120,41	0,052	7,53%

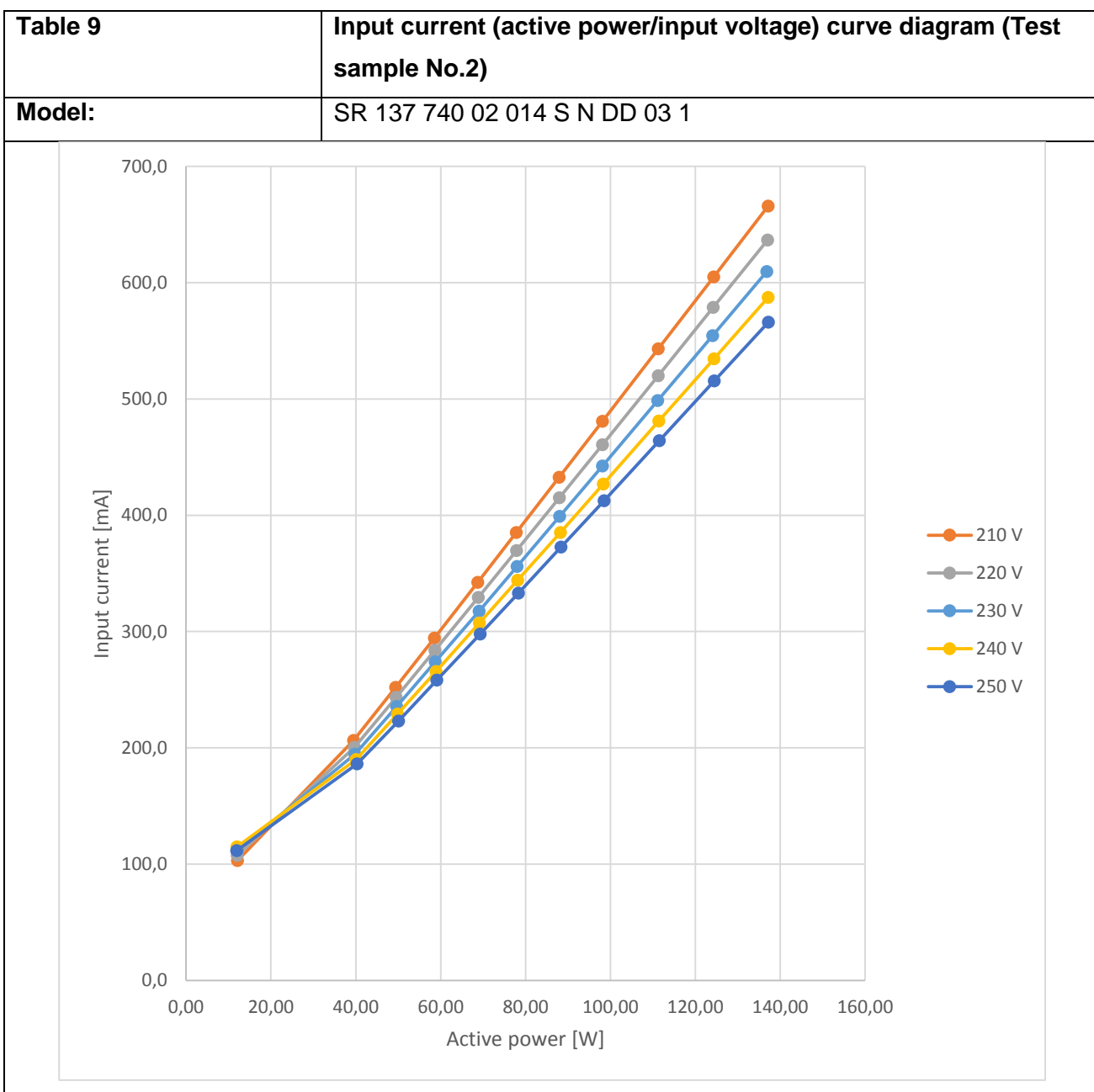


<b>Table 7</b>	<b>Power factor (active power/input voltage) curve diagram (Test No.2)</b>
<b>Model:</b>	SR 137 740 02 014 S N DD 03 1











<b>Table 10</b>	<b>Driver output current (active power/input voltage) curve diagram (Test sample No.2)</b>
<b>Model:</b>	SR 137 740 02 014 S N DD 03 1

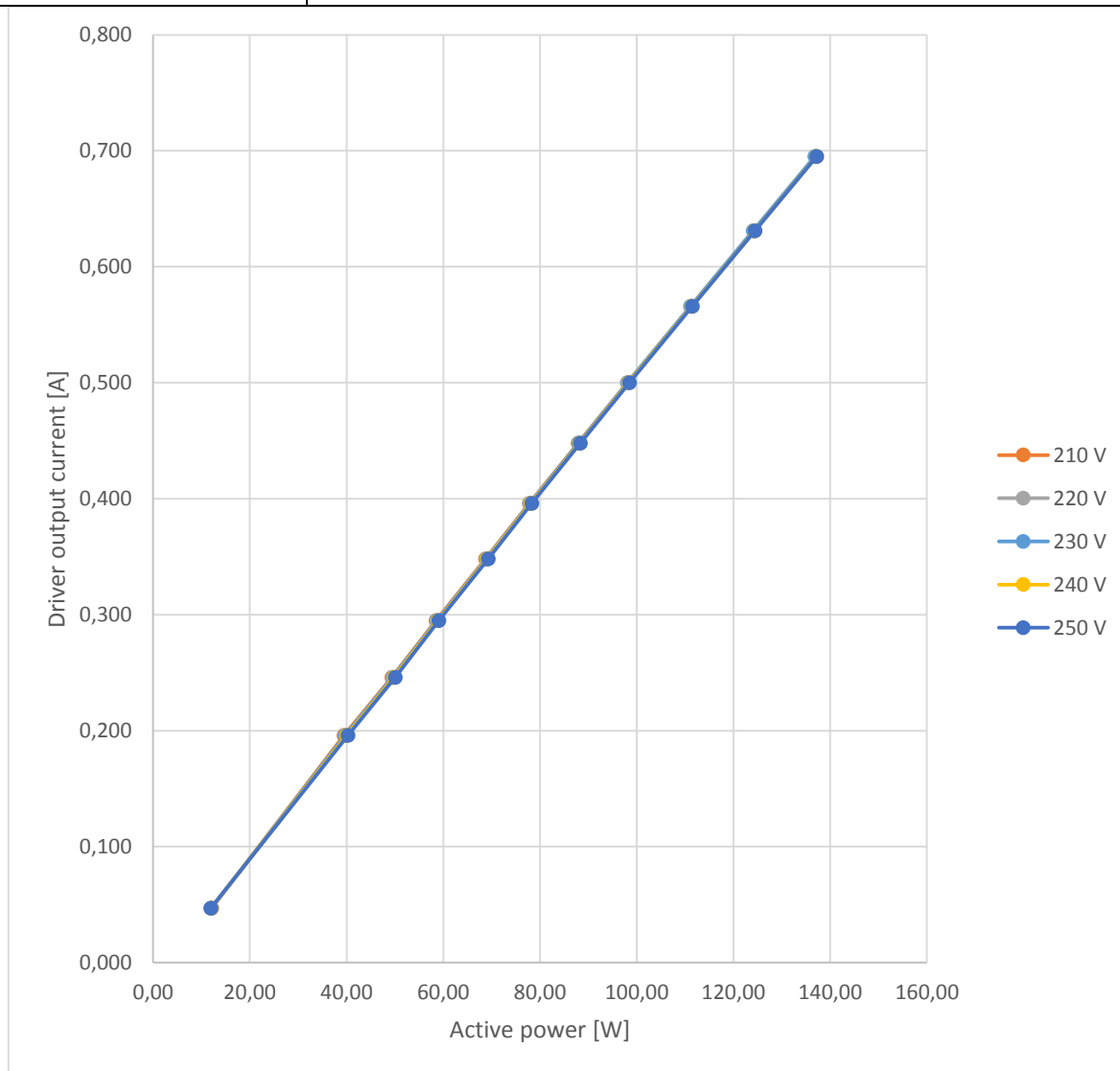




Table 11		Test data table No.2					
Model:		SR 137 740 02 014 S N DD 03 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	136,85	140,00	0,977	609,6	0,695	100,00%
2	230	124,06	127,32	0,974	554,5	0,631	90,79%
3	230	111,10	114,52	0,970	498,6	0,566	81,44%
4	230	98,08	101,63	0,965	442,3	0,500	71,94%
5	230	88,00	91,66	0,960	398,9	0,448	64,46%
6	230	78,00	81,85	0,953	355,9	0,396	56,98%
7	230	69,05	73,10	0,944	317,5	0,348	50,07%
8	230	58,71	63,01	0,932	274,0	0,295	42,45%
9	230	49,62	54,19	0,916	235,6	0,246	35,40%
10	230	39,80	44,46	0,889	194,6	0,196	28,20%
11	230	12,05	25,72	0,469	111,8	0,047	6,76%
1	210	137,12	139,48	0,983	665,9	0,695	100,00%
2	210	124,30	126,75	0,981	604,9	0,631	90,79%
3	210	111,24	113,81	0,977	543,0	0,566	81,44%
4	210	98,10	100,80	0,973	480,7	0,500	71,94%
5	210	87,90	90,72	0,969	432,6	0,448	64,46%
6	210	77,80	80,77	0,963	385,0	0,396	56,98%
7	210	68,74	71,84	0,957	342,3	0,348	50,07%



8	210	58,47	61,80	0,946	294,4	0,295	42,45%
9	210	49,33	52,90	0,933	251,9	0,246	35,40%
10	210	39,48	43,36	0,911	206,4	0,196	28,20%
11	210	12,10	21,67	0,559	103,1	0,047	6,76%
1	220	137,00	139,72	0,980	636,7	0,695	100,00%
2	220	124,23	127,07	0,978	578,7	0,631	90,79%
3	220	111,22	114,19	0,974	519,9	0,566	81,44%
4	220	98,11	101,21	0,969	460,7	0,500	71,94%
5	220	87,93	91,17	0,965	414,9	0,448	64,46%
6	220	77,85	81,24	0,958	369,6	0,396	56,98%
7	220	68,83	72,40	0,951	329,3	0,348	50,07%
8	220	58,63	62,43	0,939	283,8	0,295	42,45%
9	220	49,50	53,55	0,925	243,4	0,246	35,40%
10	220	39,66	44,04	0,900	200,2	0,196	28,20%
11	220	12,06	23,64	0,510	107,5	0,047	6,76%
1	240	137,12	140,71	0,974	587,3	0,695	100,00%
2	240	124,37	128,11	0,971	534,5	0,631	90,79%
3	240	111,40	115,27	0,966	480,9	0,566	81,44%
4	240	98,33	102,37	0,961	426,9	0,500	71,94%
5	240	88,18	92,38	0,955	385,2	0,448	64,46%
6	240	78,13	82,52	0,947	344,0	0,396	56,98%
7	240	69,09	73,69	0,938	307,4	0,348	50,07%



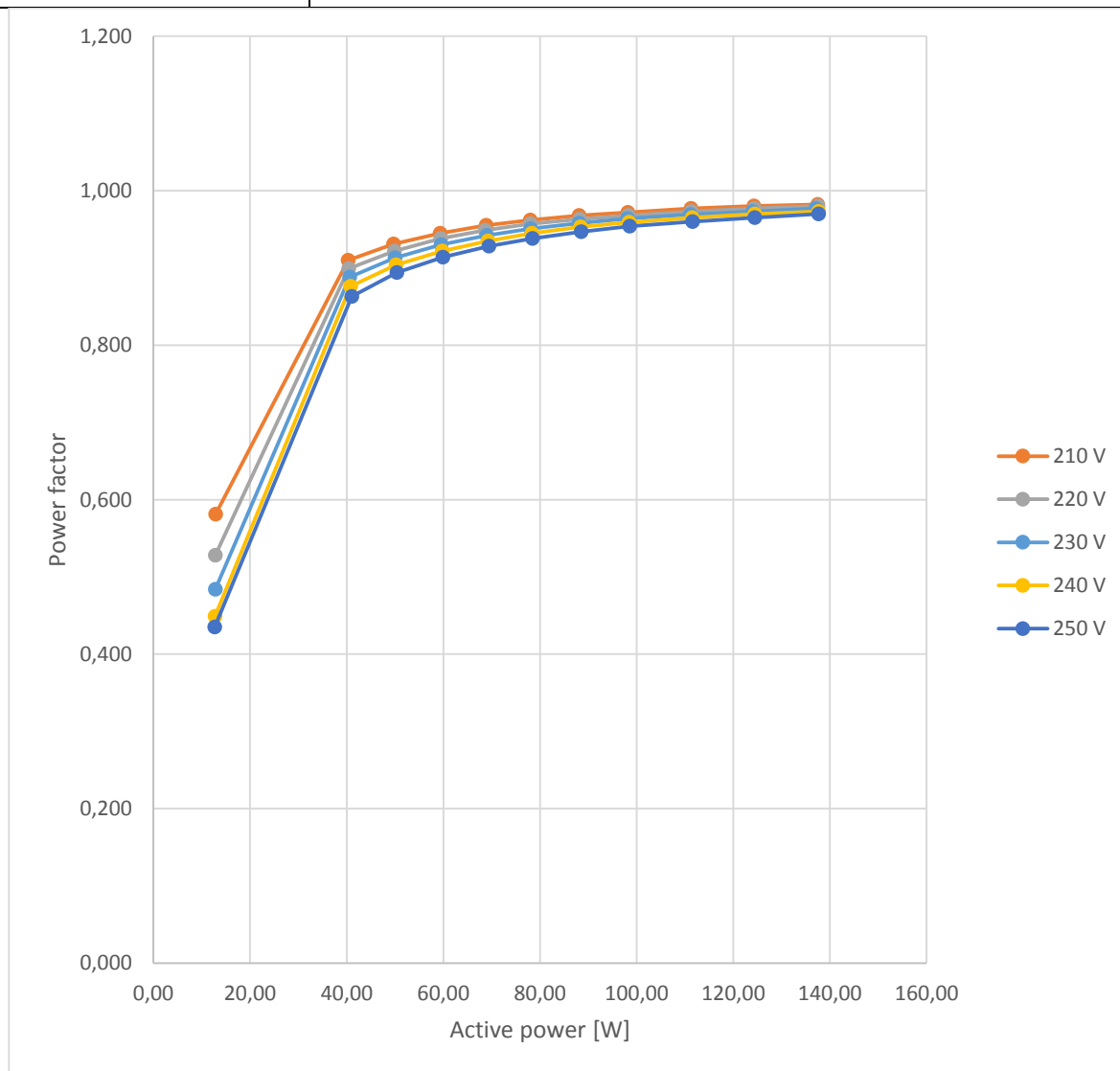


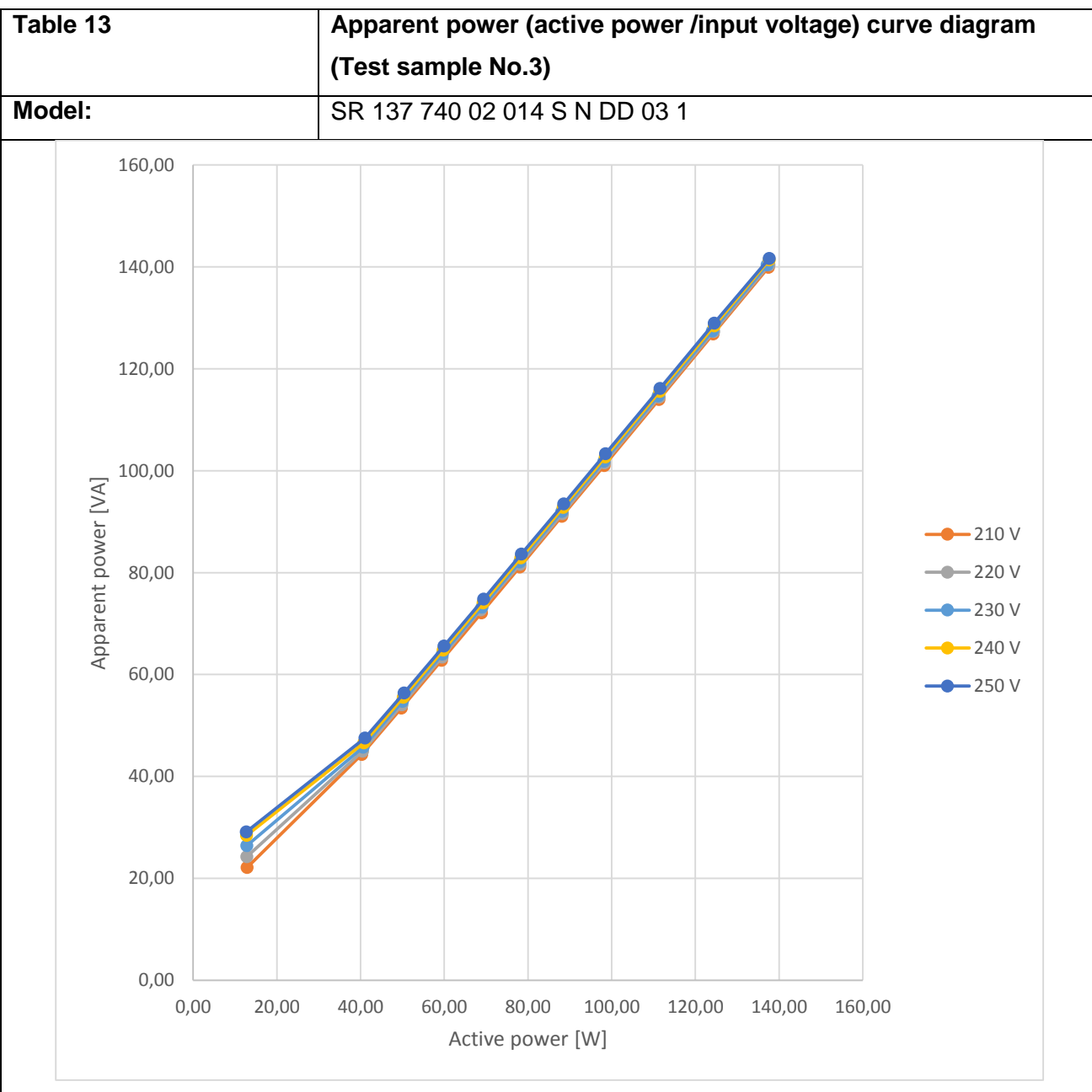
8	240	58,89	63,73	0,924	265,6	0,295	42,45%
9	240	49,82	54,95	0,907	228,9	0,246	35,40%
10	240	40,04	45,59	0,878	189,9	0,196	28,20%
11	240	12,00	27,57	0,435	114,8	0,047	6,76%
1	250	137,20	141,33	0,971	566,1	0,695	100,00%
2	250	124,48	128,74	0,967	515,6	0,631	90,79%
3	250	111,52	115,92	0,962	464,1	0,566	81,44%
4	250	98,47	103,05	0,956	412,5	0,500	71,94%
5	250	88,32	93,09	0,949	372,5	0,448	64,46%
6	250	78,30	83,25	0,941	333,1	0,396	56,98%
7	250	69,28	74,44	0,931	297,8	0,348	50,07%
8	250	59,09	64,52	0,916	258,1	0,295	42,45%
9	250	50,03	55,77	0,897	223,1	0,246	35,40%
10	250	40,27	46,55	0,865	186,1	0,196	28,20%
11	250	11,90	28,00	0,426	111,7	0,047	6,76%

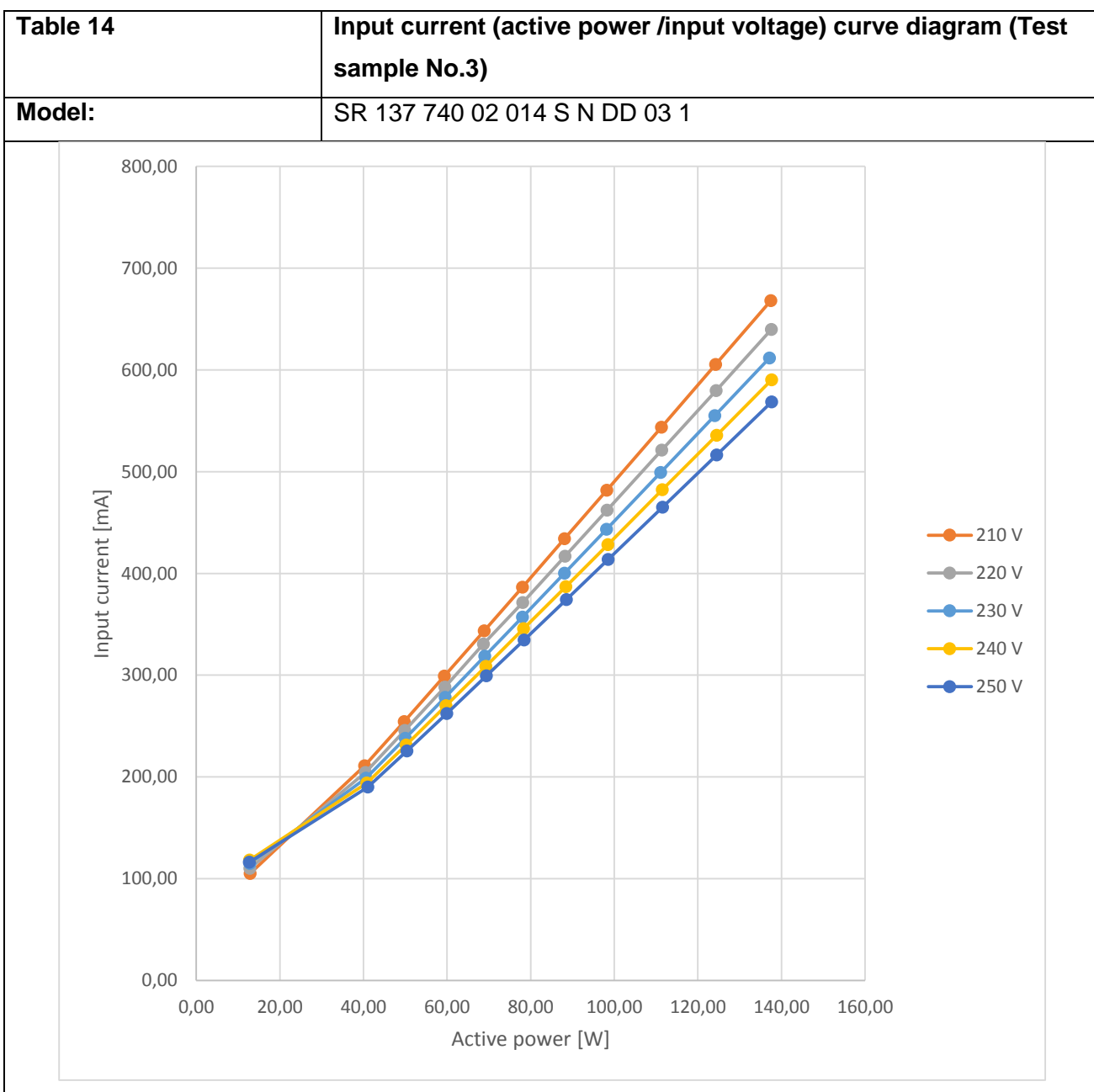


<b>Table 12</b>	<b>Power factor (active power/input voltage) curve diagram (Test No.3)</b>
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<b>Model:</b>	SR 137 740 02 014 S N DD 03 1
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<b>Table 15</b>	<b>Driver output current (active power/input voltage) curve diagram (Test sample No.3)</b>
<b>Model:</b>	SR 137 740 02 014 S N DD 03 1

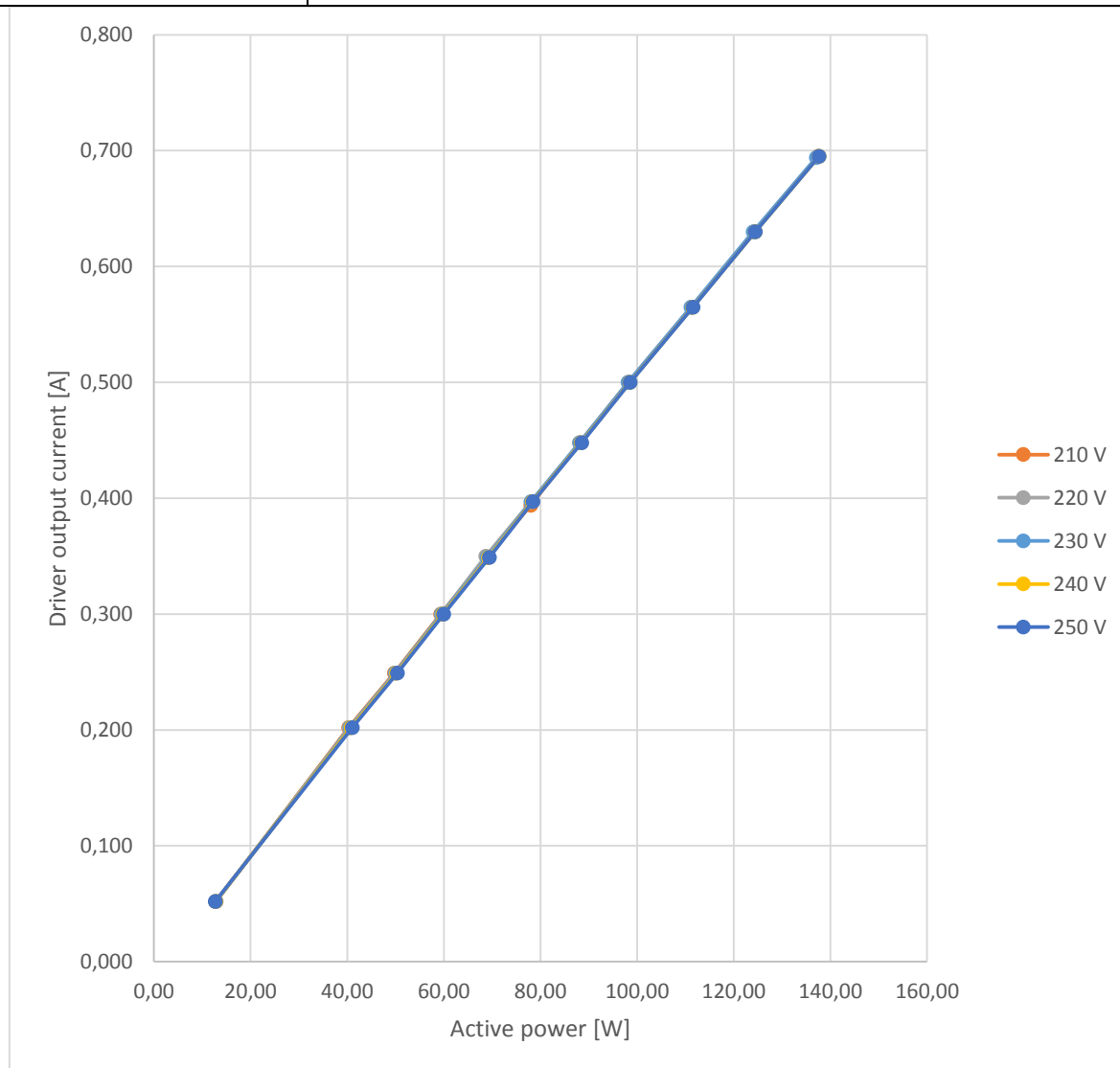




Table 16		Test data table No.3					
Model:		SR 137 740 02 014 S N DD 03 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	137,10	140,40	0,977	611,60	0,694	100,00%
2	230	124,01	127,42	0,973	555,00	0,630	90,78%
3	230	111,10	114,66	0,969	499,20	0,565	81,41%
4	230	98,11	101,83	0,964	443,20	0,500	72,05%
5	230	88,09	91,97	0,958	400,20	0,448	64,55%
6	230	78,05	82,08	0,951	357,10	0,397	57,20%
7	230	69,00	73,22	0,942	318,50	0,349	50,29%
8	230	59,51	63,98	0,930	278,20	0,300	43,23%
9	230	49,97	54,72	0,913	237,90	0,249	35,88%
10	230	40,58	45,71	0,888	198,71	0,202	29,11%
11	230	12,79	26,43	0,484	114,84	0,052	7,49%
1	210	137,46	139,91	0,982	668,10	0,695	100,00%
2	210	124,26	126,83	0,980	605,30	0,630	90,65%
3	210	111,26	113,94	0,977	543,60	0,565	81,29%
4	210	98,18	100,99	0,972	481,60	0,500	71,94%
5	210	88,07	91,02	0,968	434,00	0,448	64,46%
6	210	78,00	81,08	0,962	386,40	0,394	56,69%
7	210	68,88	72,11	0,955	343,60	0,349	50,22%

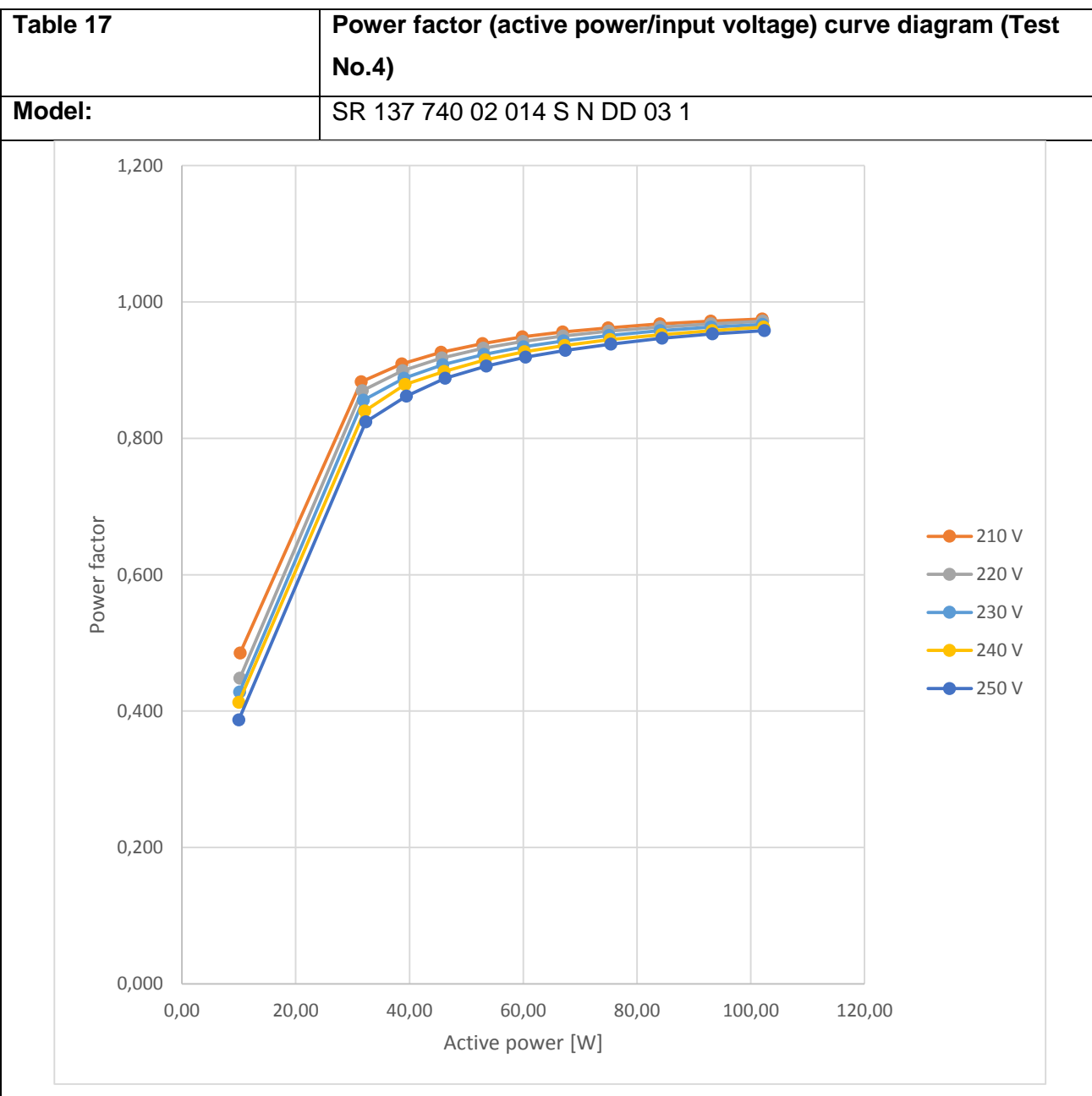


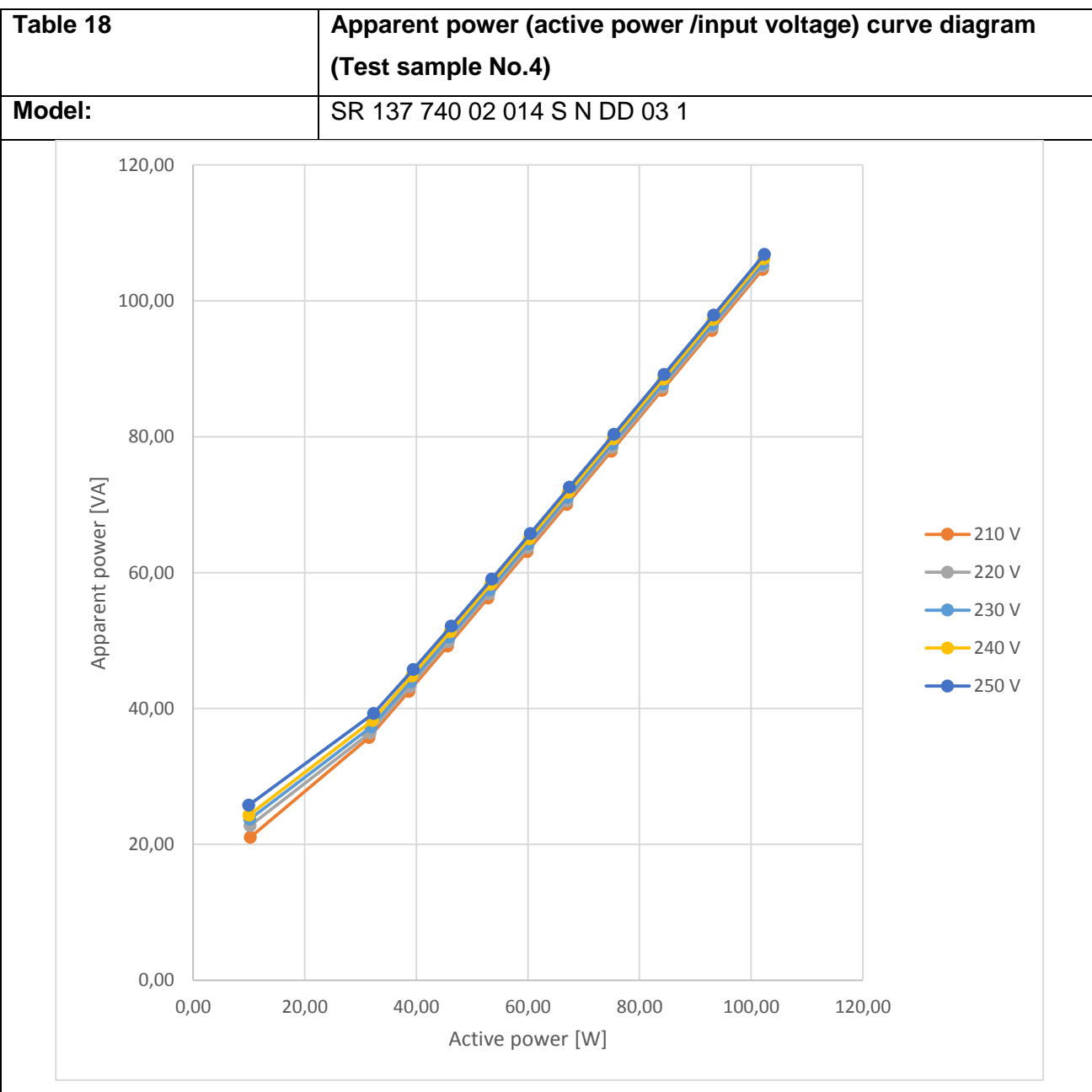
8	210	59,32	62,77	0,945	299,00	0,300	43,17%
9	210	49,71	53,41	0,931	254,40	0,249	35,83%
10	210	40,27	44,28	0,910	210,80	0,202	29,06%
11	210	12,84	22,10	0,581	105,13	0,052	7,48%
1	220	137,55	140,39	0,980	639,60	0,695	100,00%
2	220	124,33	127,30	0,977	579,70	0,630	90,65%
3	220	111,33	114,44	0,973	521,00	0,565	81,29%
4	220	98,28	101,52	0,968	462,00	0,500	71,94%
5	220	88,21	91,59	0,963	416,70	0,448	64,46%
6	220	78,07	81,60	0,957	371,20	0,397	57,12%
7	220	68,67	72,68	0,949	330,60	0,350	50,36%
8	220	59,45	63,39	0,938	288,20	0,300	43,17%
9	220	49,84	54,04	0,922	245,60	0,249	35,83%
10	220	40,42	44,96	0,899	204,40	0,202	29,06%
11	220	12,79	24,23	0,528	109,99	0,052	7,48%
1	240	137,64	141,41	0,973	590,20	0,695	100,00%
2	240	124,47	128,39	0,970	535,70	0,630	90,65%
3	240	111,50	115,56	0,965	482,10	0,565	81,29%
4	240	98,46	102,69	0,959	428,30	0,500	71,94%
5	240	88,40	92,79	0,953	386,90	0,448	64,46%
6	240	78,31	82,90	0,945	345,60	0,397	57,12%
7	240	69,24	74,03	0,935	308,50	0,349	50,22%

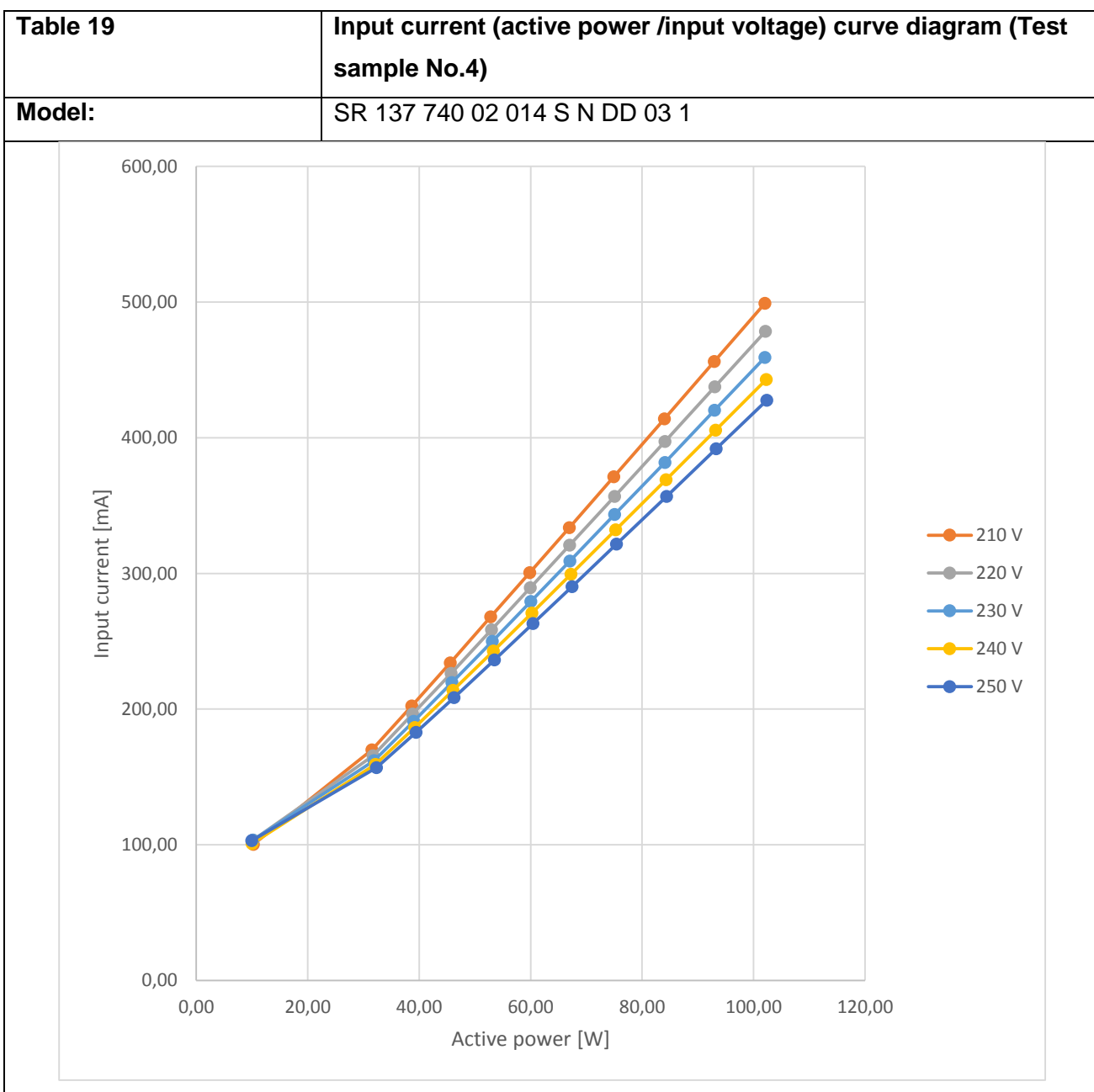


8	240	59,75	64,78	0,922	269,90	0,300	43,17%
9	240	50,16	55,51	0,904	231,30	0,249	35,83%
10	240	40,80	46,56	0,876	193,96	0,202	29,06%
11	240	12,73	28,41	0,449	118,20	0,052	7,48%
1	250	137,64	141,65	0,970	568,60	0,695	100,00%
2	250	124,48	128,94	0,965	516,40	0,630	90,65%
3	250	111,54	116,16	0,960	465,10	0,565	81,29%
4	250	98,54	103,33	0,954	413,60	0,500	71,94%
5	250	88,51	93,49	0,947	374,20	0,448	64,46%
6	250	78,44	83,62	0,938	334,60	0,397	57,12%
7	250	69,40	74,78	0,928	299,20	0,349	50,22%
8	250	59,93	65,57	0,914	262,30	0,300	43,17%
9	250	50,40	56,38	0,894	225,50	0,249	35,83%
10	250	41,05	47,54	0,863	190,10	0,202	29,06%
11	250	12,68	29,10	0,435	116,08	0,052	7,48%











<b>Table 20</b>	<b>Driver output current (active power/input voltage) curve diagram (Test sample No.4)</b>
<b>Model:</b>	SR 137 740 02 014 S N DD 03 1

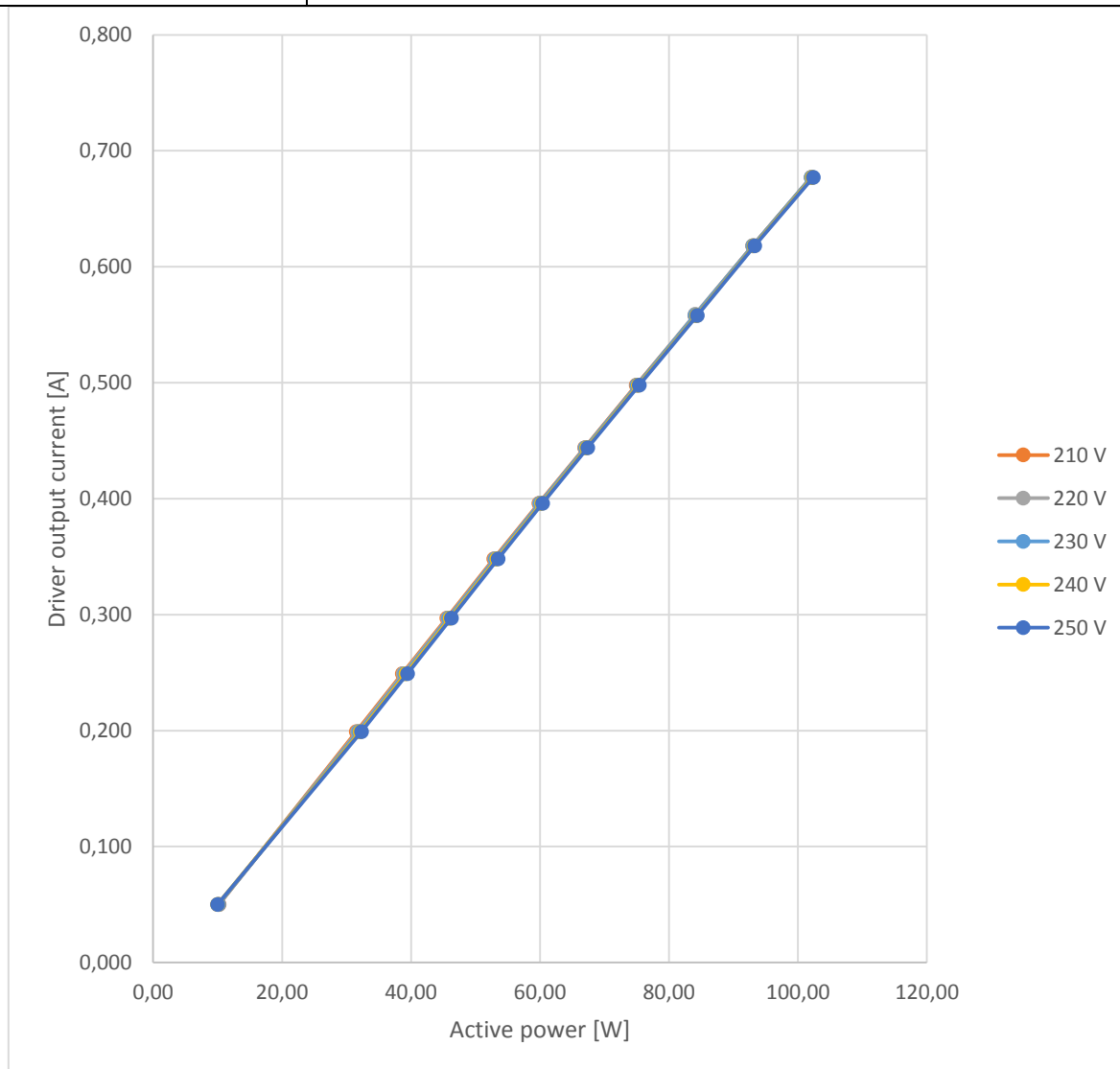




Table 21		Test data table No.4					
Model:		SR 137 740 02 014 S N DD 03 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	100,00%
1	230	137,08	140,16	0,978	610,60	0,689	90,86%
2	230	124,06	127,26	0,975	554,20	0,626	81,42%
3	230	111,03	114,36	0,971	497,90	0,561	71,99%
4	230	98,03	101,52	0,966	441,90	0,496	64,73%
5	230	88,10	91,72	0,961	399,40	0,446	57,18%
6	230	78,00	81,81	0,953	355,90	0,394	50,51%
7	230	69,11	73,11	0,945	318,10	0,348	43,40%
8	230	59,71	63,93	0,934	278,00	0,299	36,14%
9	230	50,29	54,78	0,918	238,20	0,249	29,03%
10	230	40,58	45,40	0,893	198,49	0,200	7,26%
11	230	12,71	26,34	0,482	114,45	0,050	100,00%
1	210	137,05	139,33	0,984	665,10	0,689	90,86%
2	210	123,69	126,35	0,981	603,00	0,626	81,42%
3	210	110,88	113,38	0,978	540,90	0,561	71,99%
4	210	97,83	100,47	0,974	479,20	0,496	64,73%
5	210	87,92	90,68	0,970	432,30	0,446	57,18%
6	210	77,72	80,62	0,964	384,20	0,394	50,51%
7	210	68,83	71,87	0,958	342,50	0,348	43,40%



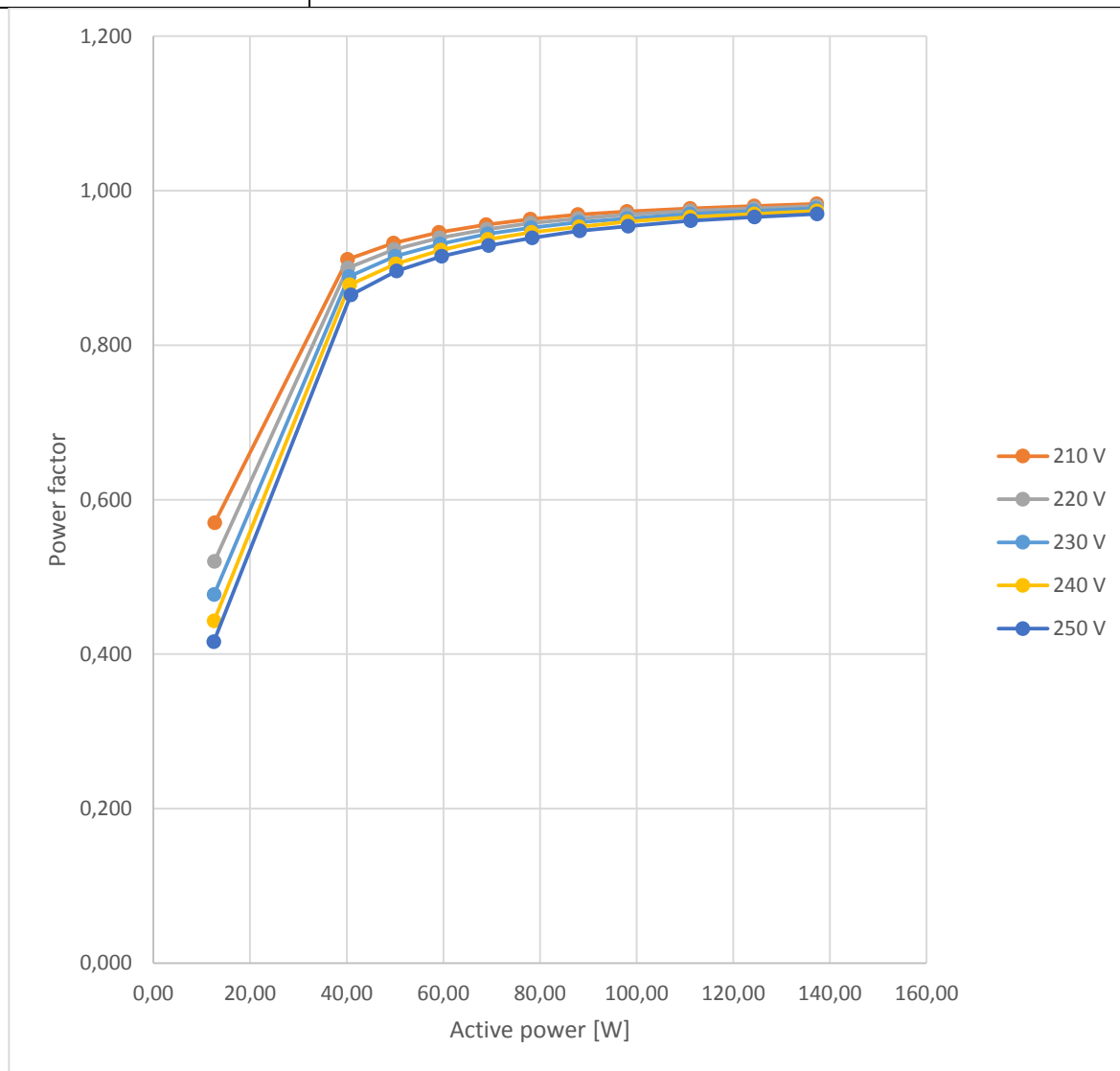
8	210	59,38	62,63	0,948	298,40	0,299	36,14%
9	210	49,93	53,44	0,935	254,50	0,249	29,03%
10	210	40,41	44,20	0,914	210,50	0,200	7,26%
11	210	12,75	22,22	0,574	105,80	0,050	100,00%
1	220	137,07	139,73	0,981	636,50	0,689	90,86%
2	220	124,00	126,77	0,978	577,30	0,626	81,42%
3	220	110,90	113,81	0,975	518,10	0,561	71,99%
4	220	97,88	100,93	0,970	459,40	0,496	64,73%
5	220	87,99	91,17	0,965	414,80	0,446	57,18%
6	220	77,81	81,15	0,959	369,10	0,394	50,51%
7	220	68,94	72,44	0,952	329,50	0,348	43,40%
8	220	59,50	63,21	0,941	287,40	0,299	36,14%
9	220	50,05	54,04	0,926	245,60	0,249	29,03%
10	220	40,55	44,84	0,904	203,80	0,200	7,26%
11	220	12,71	24,27	0,524	110,18	0,050	100,00%
1	240	137,09	140,61	0,975	586,70	0,689	90,86%
2	240	124,05	127,72	0,971	532,90	0,626	81,42%
3	240	111,01	114,84	0,967	479,00	0,561	71,99%
4	240	98,06	102,04	0,961	425,50	0,496	64,73%
5	240	88,19	92,33	0,955	384,90	0,446	57,18%
6	240	78,03	82,36	0,947	343,30	0,394	50,51%
7	240	69,19	73,72	0,939	307,20	0,348	43,40%



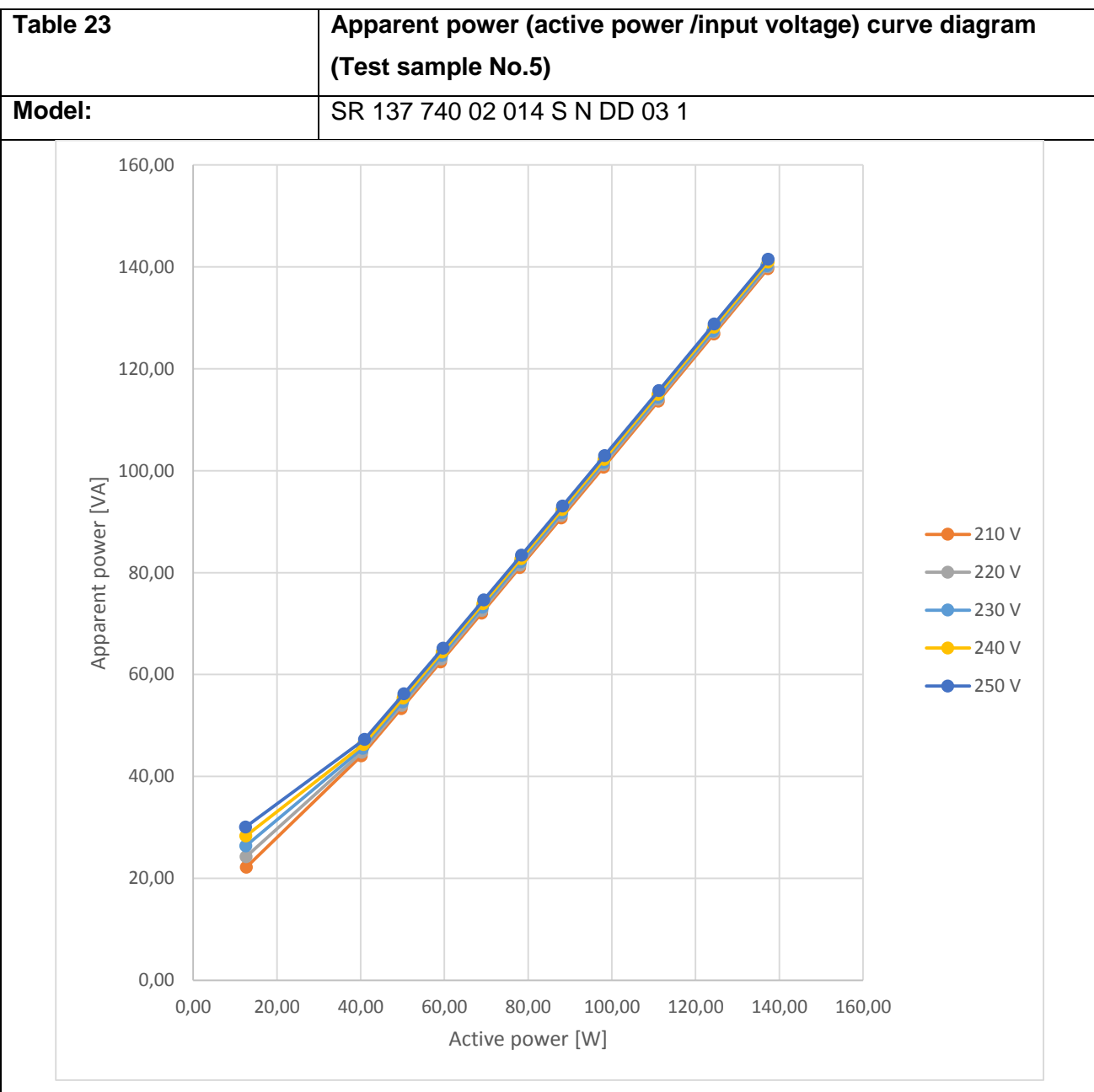
8	240	59,79	64,55	0,926	269,00	0,299	36,14%
9	240	50,39	55,46	0,909	231,10	0,249	29,03%
10	240	40,93	46,40	0,882	193,21	0,200	7,26%
11	240	12,63	27,95	0,452	116,40	0,050	100,00%
1	250	137,10	141,14	0,971	564,30	0,689	90,86%
2	250	124,11	128,31	0,967	513,90	0,626	81,42%
3	250	111,07	115,41	0,962	462,10	0,561	71,99%
4	250	98,22	102,75	0,956	411,30	0,496	64,73%
5	250	88,35	93,05	0,950	372,40	0,446	57,18%
6	250	78,22	83,11	0,941	332,50	0,394	50,51%
7	250	69,37	74,46	0,932	294,90	0,348	43,40%
8	250	60,00	65,34	0,918	261,40	0,299	36,14%
9	250	50,62	56,29	0,899	225,10	0,249	29,03%
10	250	41,19	47,36	0,870	189,35	0,200	7,26%
11	250	12,58	28,90	0,436	115,04	0,050	100,00%



<b>Table 22</b>	<b>Power factor (active power/input voltage) curve diagram (Test No.5)</b>
<b>Model:</b>	SR 137 740 02 014 S N DD 03 1



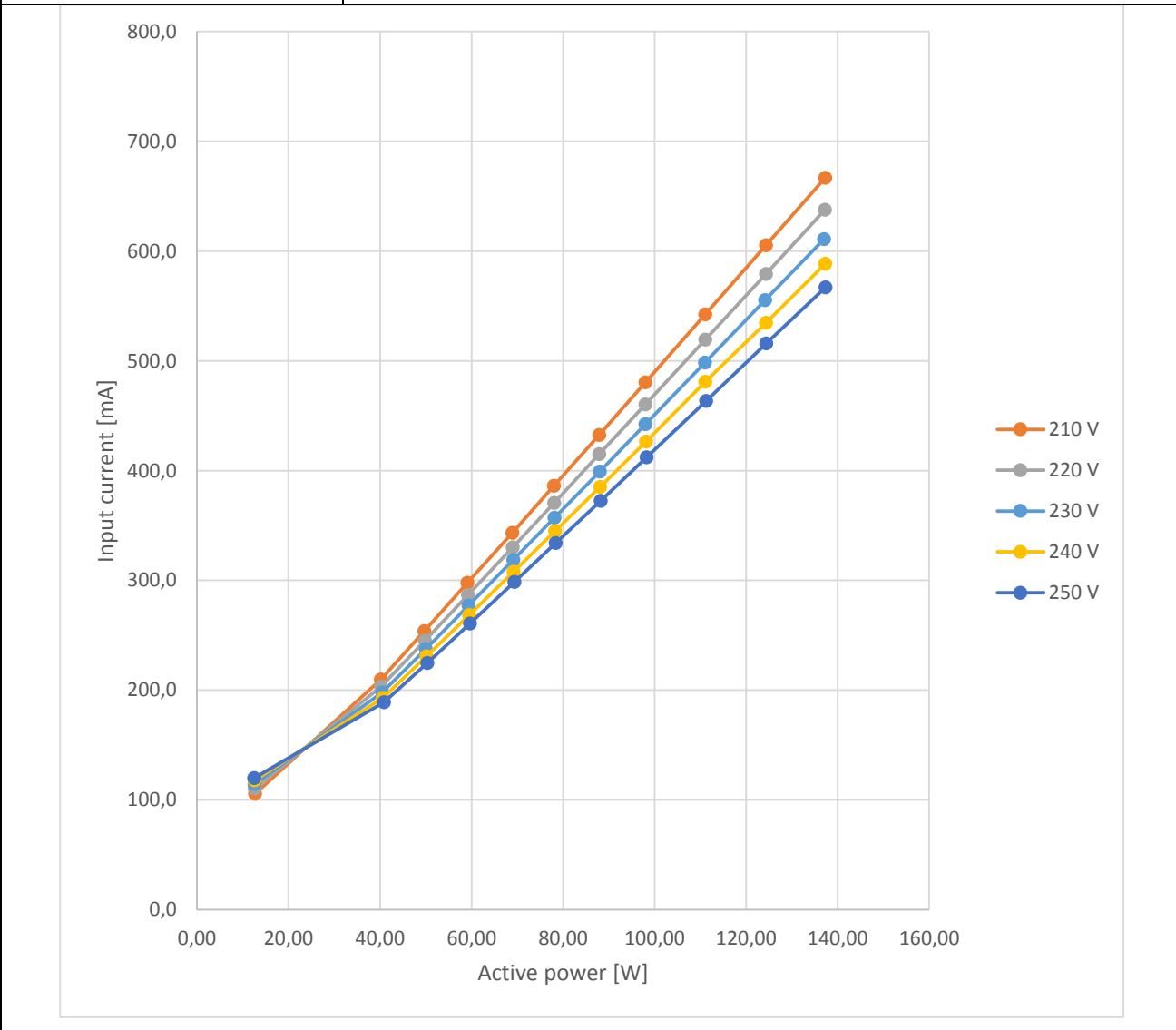






<b>Table 24</b>	<b>Input current (active power /input voltage) curve diagram (Test sample No.5)</b>
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<b>Model:</b>	SR 137 740 02 014 S N DD 03 1
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<b>Table 25</b>	<b>Driver output current (active power/input voltage) curve diagram (Test sample No.5)</b>
<b>Model:</b>	SR 137 740 02 014 S N DD 03 1

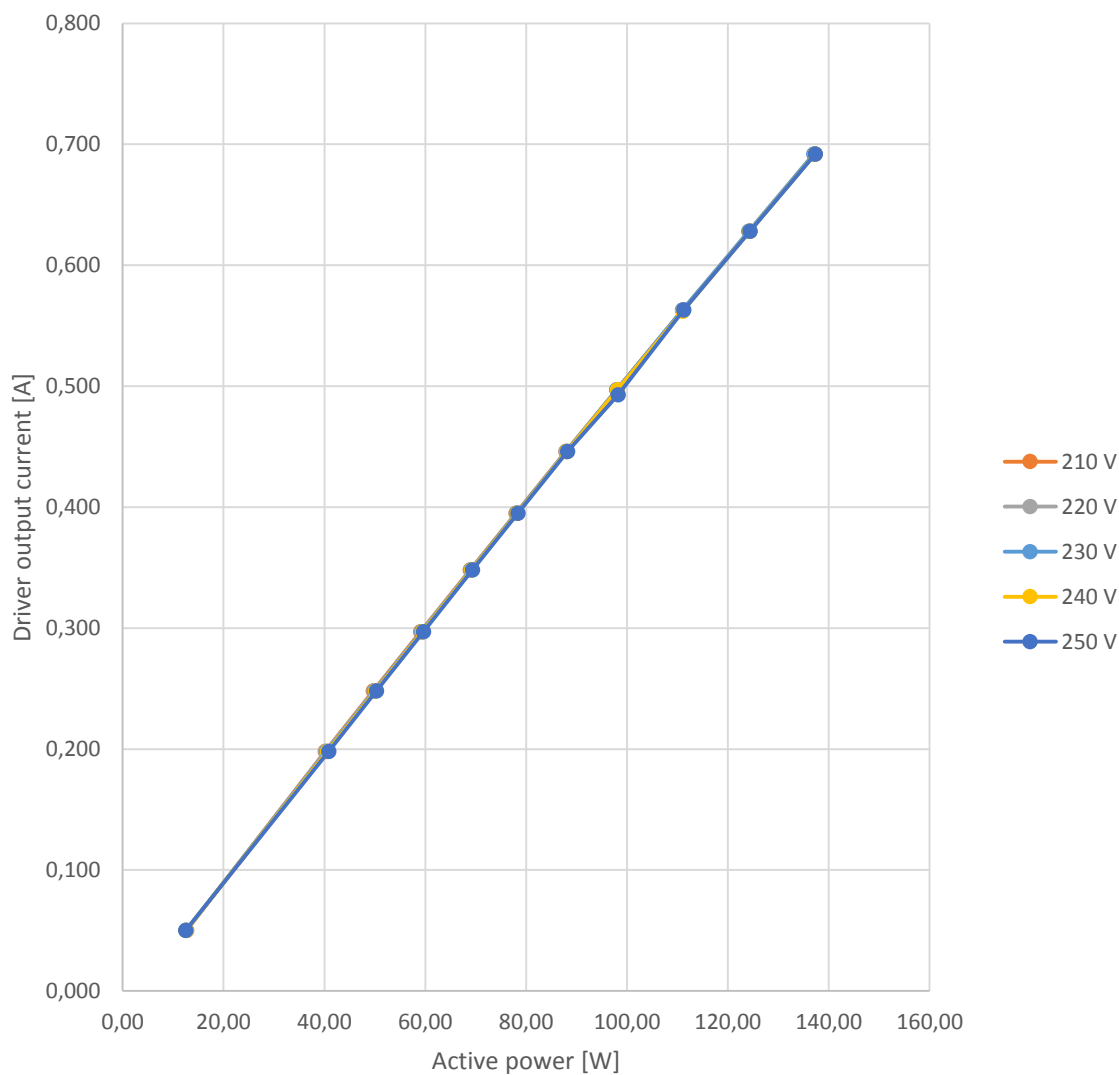




Table 26		Test data table No.5					
Model:		SR 137 740 02 014 S N DD 03 1					
Test Nr.	Input voltage [V]	Active power [W]	Apparent power [VA]	Power factor	Input current [mA]	Driver output current [A]	Dimming level
1	230	137,01	140,21	0,977	610,8	0,692	100,00%
2	230	124,11	127,40	0,974	555,3	0,628	90,75%
3	230	111,00	114,45	0,970	498,3	0,563	81,36%
4	230	98,00	101,61	0,964	442,2	0,497	71,82%
5	230	88,00	91,75	0,959	399,1	0,446	64,45%
6	230	78,14	82,09	0,952	357,1	0,395	57,08%
7	230	69,09	73,22	0,944	318,5	0,348	50,29%
8	230	59,35	63,71	0,931	277,1	0,297	42,92%
9	230	49,98	54,63	0,915	237,5	0,248	35,84%
10	230	40,48	45,51	0,889	197,9	0,198	28,61%
11	230	12,55	26,35	0,477	114,4	0,050	7,23%
1	210	137,28	139,65	0,983	666,7	0,692	100,00%
2	210	124,35	126,83	0,980	605,3	0,628	90,75%
3	210	111,06	113,66	0,977	542,2	0,563	81,36%
4	210	97,97	100,70	0,973	480,3	0,497	71,82%
5	210	87,86	90,71	0,969	432,5	0,446	64,45%
6	210	77,98	80,98	0,963	386,0	0,395	57,08%
7	210	68,88	72,03	0,956	343,2	0,348	50,29%



8	210	59,10	62,47	0,946	297,6	0,297	42,92%
9	210	49,69	53,31	0,932	253,9	0,248	35,84%
10	210	40,13	44,04	0,911	209,7	0,198	28,61%
11	210	12,65	22,18	0,570	105,5	0,050	7,23%
1	220	137,23	139,99	0,980	637,7	0,692	100,00%
2	220	124,31	127,18	0,977	579,2	0,628	90,75%
3	220	111,04	114,04	0,974	519,2	0,563	81,36%
4	220	97,98	101,14	0,969	460,3	0,497	71,82%
5	220	87,90	91,18	0,964	414,9	0,446	64,45%
6	220	78,04	81,47	0,958	370,6	0,395	57,08%
7	220	68,95	72,58	0,950	330,1	0,348	50,29%
8	220	59,18	63,03	0,939	286,6	0,297	42,92%
9	220	49,81	53,92	0,924	245,1	0,248	35,84%
10	220	40,25	44,71	0,900	203,2	0,198	28,61%
11	220	12,61	24,26	0,520	110,2	0,050	7,23%
1	240	137,30	140,98	0,974	588,3	0,692	100,00%
2	240	124,34	128,16	0,970	534,7	0,628	90,75%
3	240	111,05	114,99	0,966	481,0	0,562	81,21%
4	240	98,11	102,23	0,960	426,3	0,497	71,82%
5	240	88,06	92,37	0,953	385,1	0,446	64,45%
6	240	78,25	82,72	0,946	344,9	0,395	57,08%
7	240	69,19	73,88	0,937	307,9	0,348	50,29%



8	240	59,47	64,40	0,923	268,3	0,297	42,92%
9	240	50,13	55,37	0,905	230,7	0,248	35,84%
10	240	40,63	46,28	0,878	192,8	0,198	28,61%
11	240	12,52	28,32	0,443	117,8	0,050	7,23%
1	250	137,32	141,51	0,970	567,0	0,692	100,00%
2	250	124,42	128,77	0,966	515,7	0,628	90,75%
3	250	111,22	115,71	0,961	463,3	0,563	81,36%
4	250	98,23	102,93	0,954	412,0	0,493	71,24%
5	250	88,19	93,07	0,948	372,4	0,446	64,45%
6	250	78,38	83,44	0,939	333,9	0,395	57,08%
7	250	69,36	74,62	0,929	298,5	0,348	50,29%
8	250	59,65	65,18	0,915	260,7	0,297	42,92%
9	250	50,33	56,20	0,896	224,7	0,248	35,84%
10	250	40,88	47,28	0,865	189,0	0,198	28,61%
11	250	12,48	30,04	0,416	119,9	0,050	7,23%