

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Lars Square Wall 4000K*
Item No: *AZ4507*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ4507*
LuminaireName: *Lars Square Wall 4000K*
LuminaireNumber: *AZ4507*
FileName: *AZ4507.Idt*
Date: *2024-06-20*

Dimensions of luminaire

Length: *135 mm*
Width: *100 mm*
Height: *110 mm*

Dimensions of luminous area

Length: *135 mm*
Width: *100 mm*
C0-plane *0 mm*
C90-plane *0 mm*
C180-plane *0 mm*
C270-plane *0 mm*

Lamps:

Number of lamps: *-1*

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Type of lamps: *LED*
Total luminous flux: *859,89 lm*
Color temperatur: *4245 K*
Color rendering index: *85,13*
Wattage including ballast: *13,56 W*

Utilization factors:

$k = 0.60$	<i>0,140</i>
$k = 0.80$	<i>0,202</i>
$k = 1.00$	<i>0,259</i>
$k = 1.25$	<i>0,320</i>
$k = 1.50$	<i>0,371</i>
$k = 2.00$	<i>0,454</i>
$k = 2.50$	<i>0,511</i>
$k = 3.00$	<i>0,558</i>
$k = 4.00$	<i>0,625</i>
$k = 5.00$	<i>0,672</i>

Electrical parameters

U	<i>= 229,671 V</i>
I	<i>= 0,063 A</i>
P	<i>= 13,560 W</i>
Power factor	<i>= 0,934</i>

Power apparent	<i>= 14,514 VA</i>
Power Reactive	<i>= -5,177 var</i>
Frequency Voltage	<i>= 50,002 Hz</i>
THD	<i>= 12,753 %</i>

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

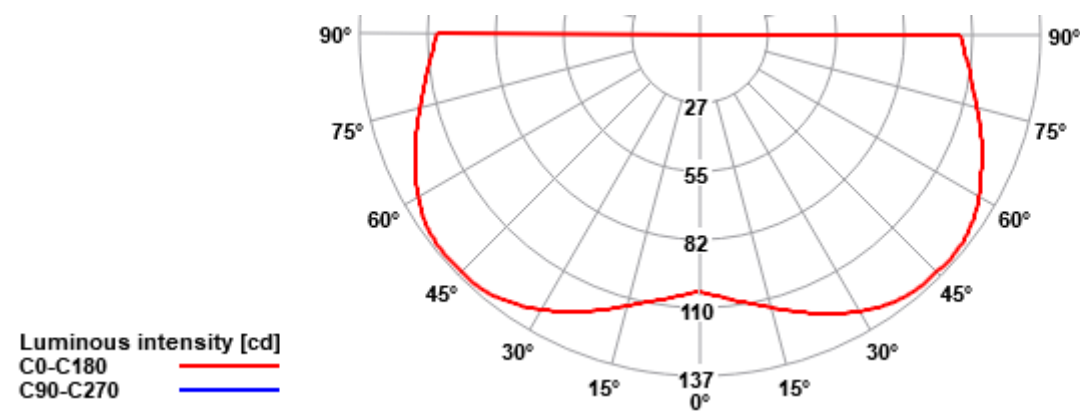
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	859,89 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	157,01 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	63,41 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3701
y	0,3694
Angular Colour Uniformity	0,5424

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

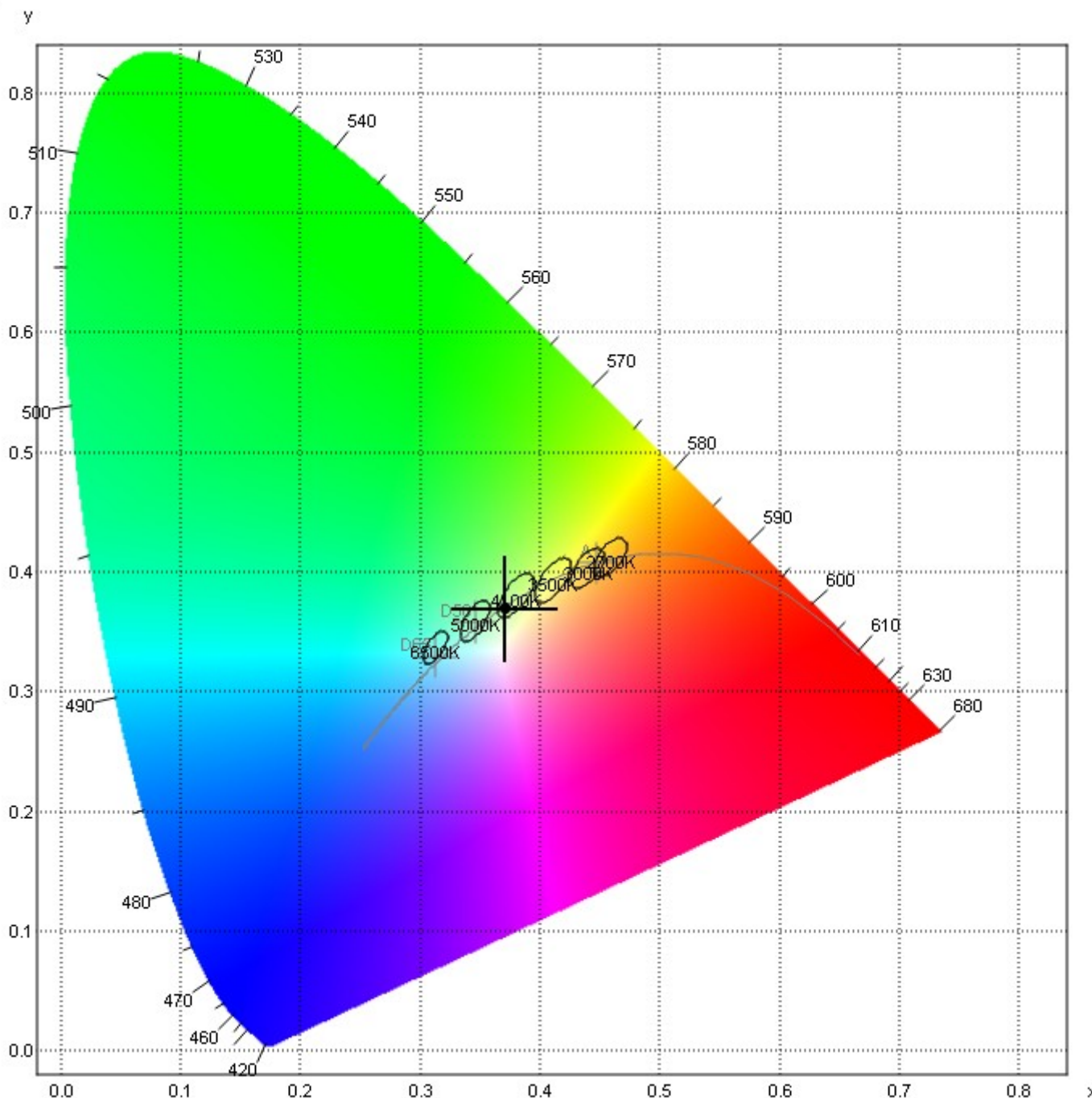
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



Beam cone

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

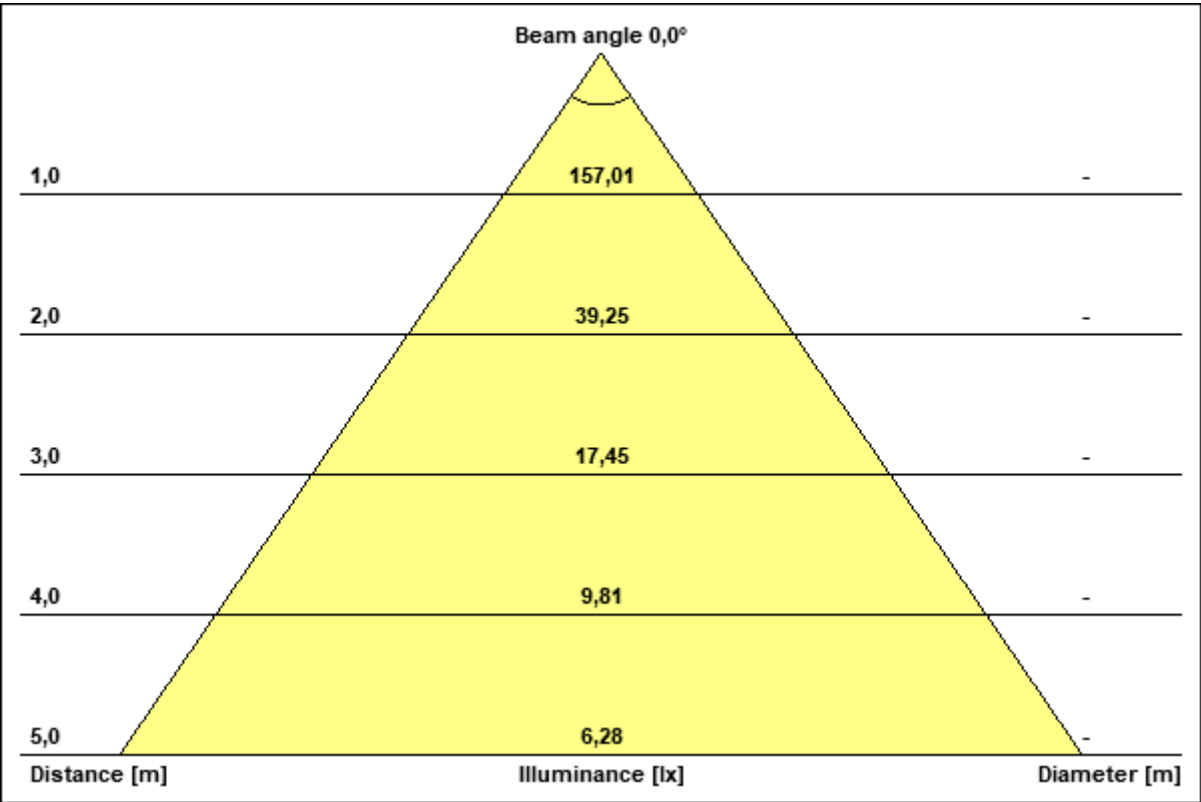
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



Stabilization

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

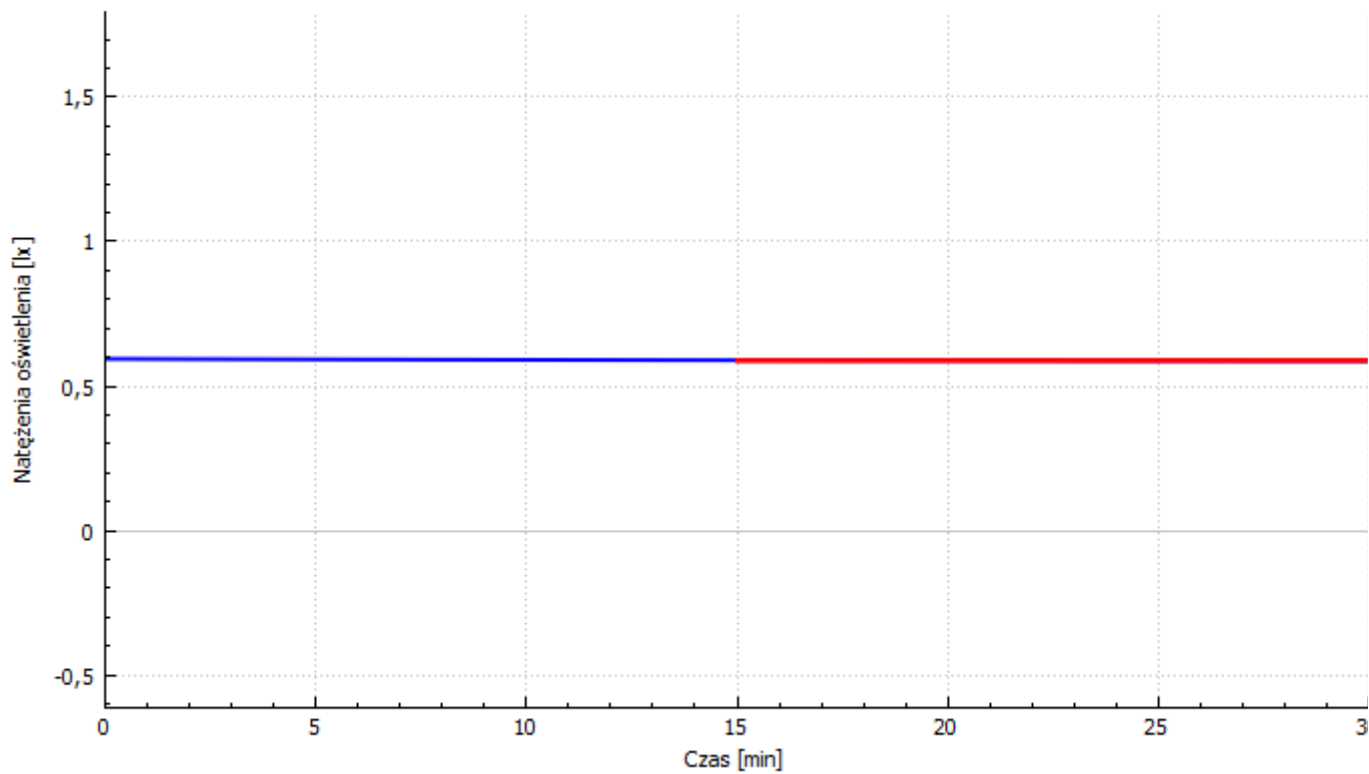
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



3D Chart

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

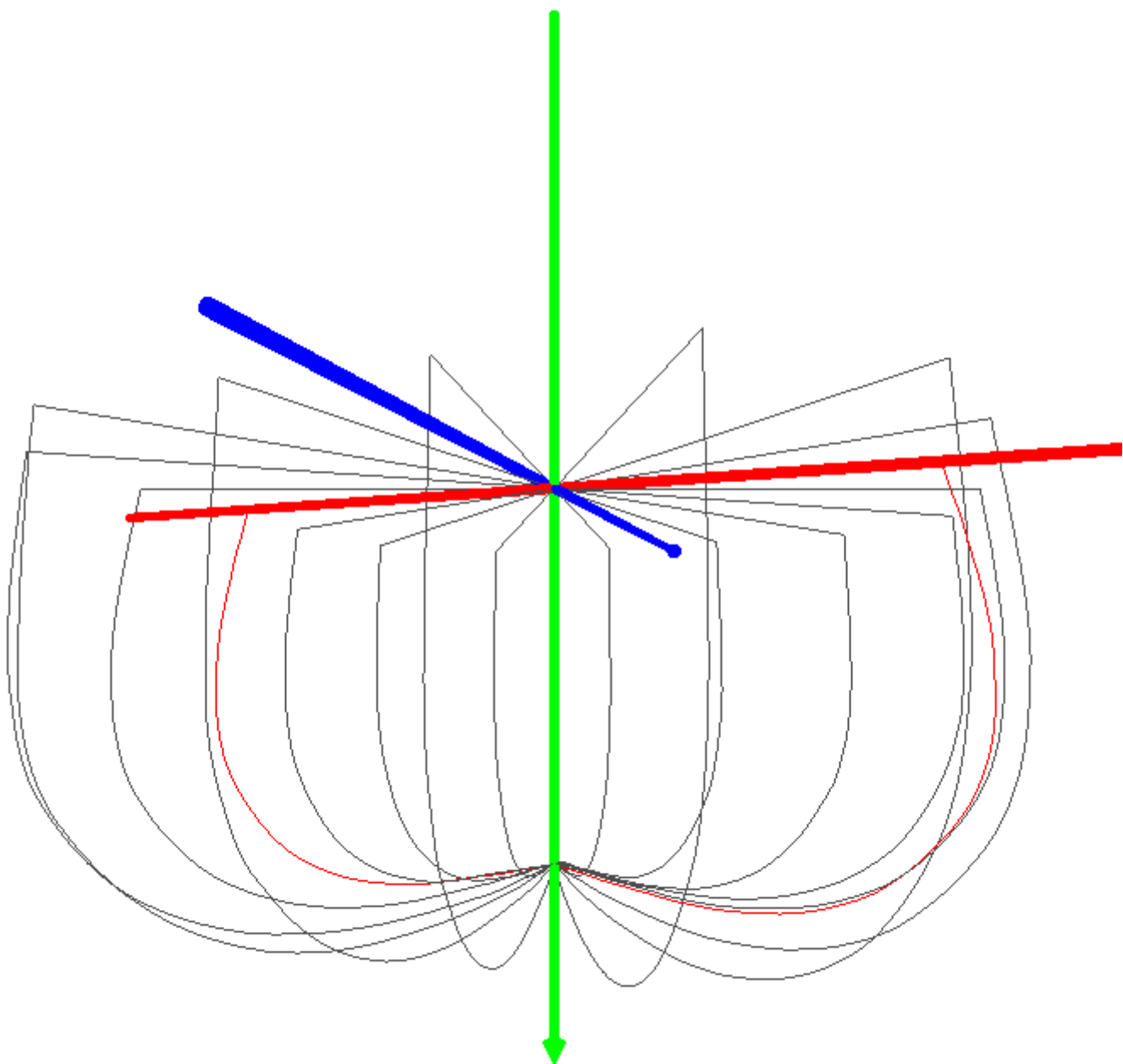
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



Legend

- C0-C180

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

- C90-C270

- G0-G180

U(%f)

I(%f)

Ext
end
ed
elec
tric
al
rep
ort

			P(%f)
0	0,00448	0	0
1	100,000	100,000	100,000
2	0,0124	0	0
3	0,00297	8,359	4,57e-05
4	0,00432	0	0
5	0,00895	7,909	-0,000223
6	0,00331	0	0
7	0,0042	4,770	7,68e-05
8	0,00286	0	0
9	0,00149	2,147	7,32e-05
10	0,00175	0	0
11	0,00289	0,522	1,9e-05
12	0,00092	0	0
13	0	0,447	0
14	0,0012	0	0
15	0,00328	0,787	1,5e-05
16	0,0016	0	0
17	0,00342	0,803	1,82e-05
18	0,00185	0	0
19	0,00185	0,629	8,04e-07
20	0,00108	0	0
21	0,00153	0,383	1,57e-07

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

22	0,00165	0	0
23	0,00252	0,133	-3,85e-06
24	0	0	0
25	0,00116	0,116	0
26	0	0	0
27	0,00178	0,205	-3,46e-07
28	0	0	0
29	0,0012	0,246	-4,15e-06
30	0,00129	0	0
31	0,00132	0,199	6,02e-07
32	0,00117	0	0
33	0	0,121	4,08e-07
34	0,00126	0	0
35	0	0,0373	0
36	0	0	0
37	0	0,0637	0
38	0	0	0
39	0	0,120	0
40	0	0	0
41	0,0022	0,177	5,39e-07
42	0,00112	0	0
43	0	0,144	2,94e-07
44	0,00174	0	0
45	0,00148	0,0781	-5,94e-08
46	0,00138	0	0
47	0,00127	0	0
48	0,000894	0	0
49	0,00181	0,0533	-3,67e-07
50	0,000878	0	0

GL Optic R&D Center Sp. z o.o.

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPWNIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN