

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Marco TOP*

Item No: *AZ5029*

Serial No.:

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ5029*

LuminaireName: *AZ5029*

LuminaireNumber: *AZ5029*

FileName: *AZ5029.Idt*

Date: *2023-08-09*

Dimensions of luminaire

Length: *400 mm*

Width: *0 mm*

Height: *85 mm*

Dimensions of luminous area

Length: *380 mm*

Width: *0 mm*

C0-plane *0 mm*

C90-plane *0 mm*

C180-plane *0 mm*

C270-plane *0 mm*

Lamps:

Number of lamps: -1
Type of lamps: LED
Total luminous flux: 2318,66 lm
Color temperatur: 3019 K
Color rendering index: 81,47
Wattage including ballast: 28,58 W

Utilization factors:

k = 0.60	0,326
k = 0.80	0,411
k = 1.00	0,486
k = 1.25	0,558
k = 1.50	0,614
k = 2.00	0,700
k = 2.50	0,746
k = 3.00	0,782
k = 4.00	0,830
k = 5.00	0,861

Electrical parameters

U = 229,636 V
 I = 0,131 A
 P = 28,576 W
Power factor = 0,949

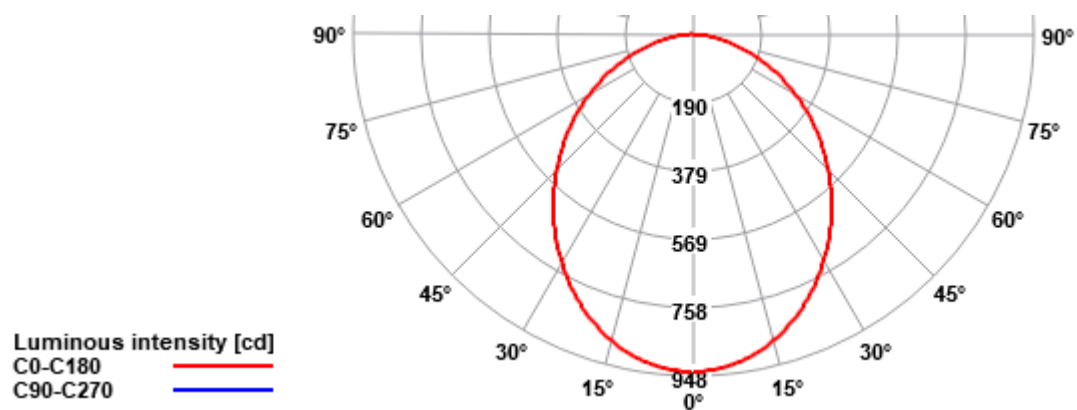
Power apparent = 30,096 VA
Power Reactive = -9,445 var
Frequency Voltage = 50,002 Hz
THD = 12,046 %

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	2318,66 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	938,56 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	81,13 lm/W

Light intensity distribution diagram



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

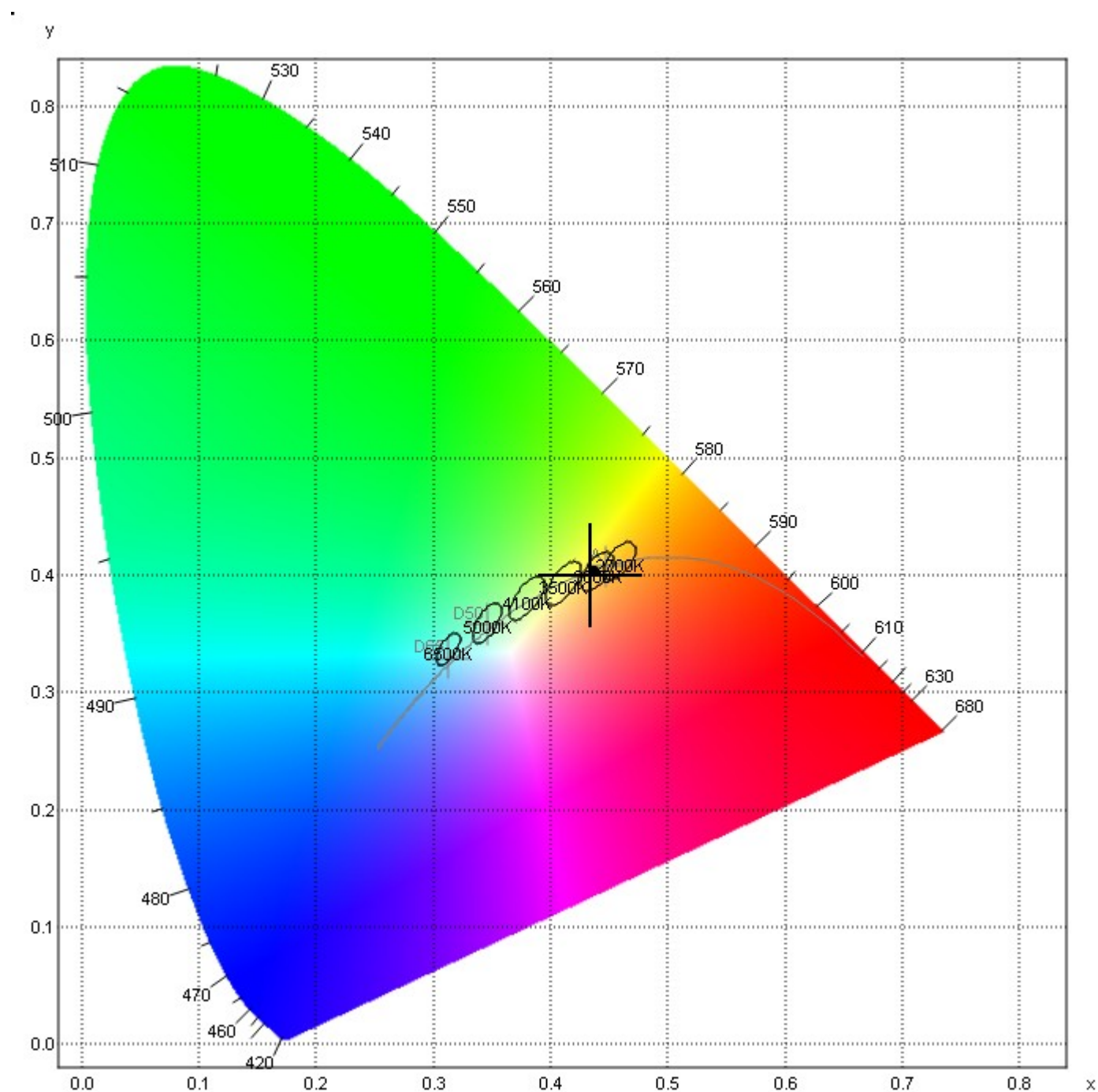
REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

CIE 1931 diagram

x 0,4340
y 0,4004
Angular Colour Uniformity 0,0011



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

ul. Poznańska 70

PL-62-040 Puszczkowo; 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 200.000 PLN

Beam cone

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

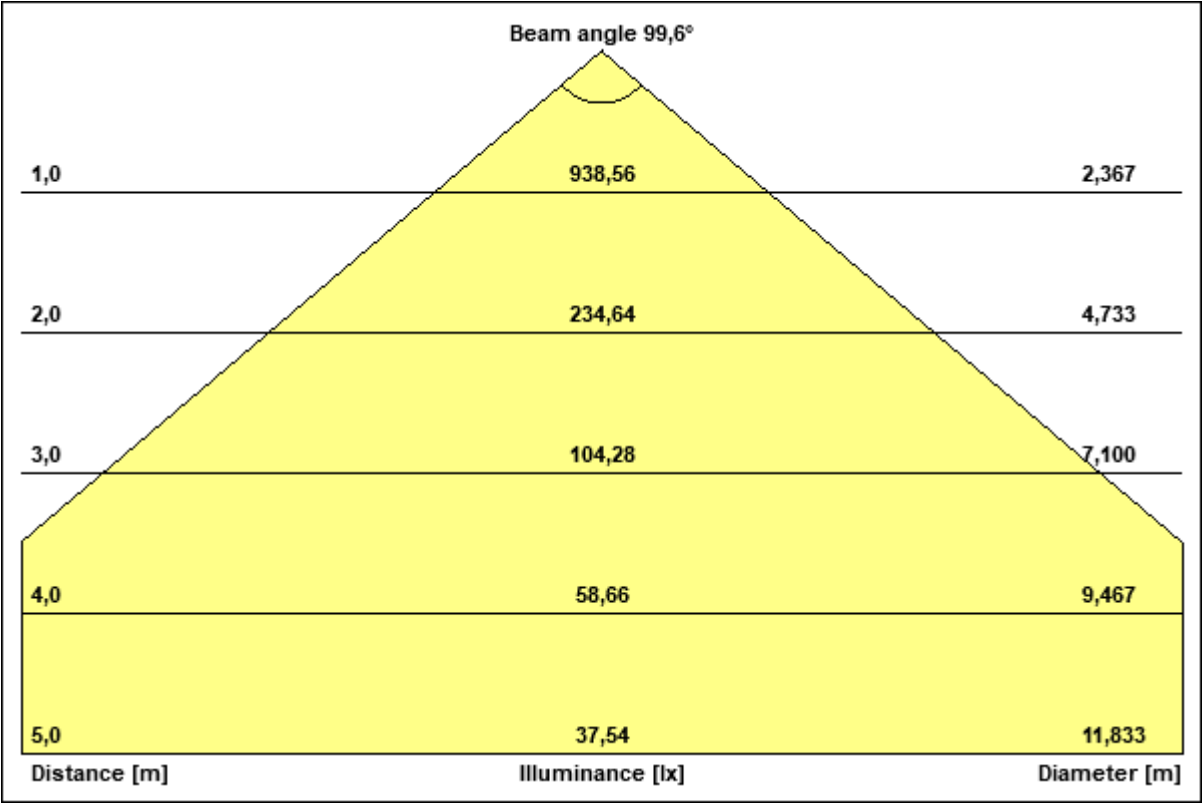
SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



Stabilization

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

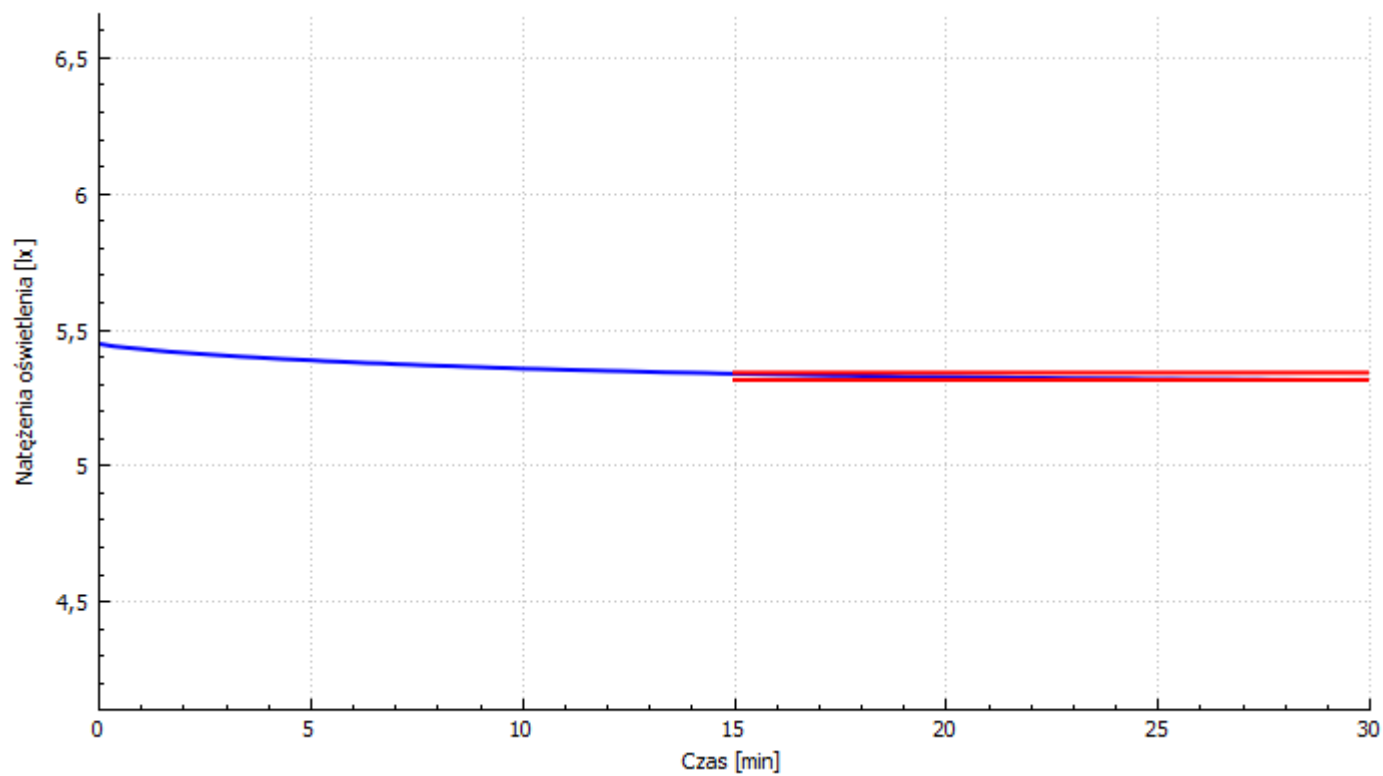
SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



3D Chart

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

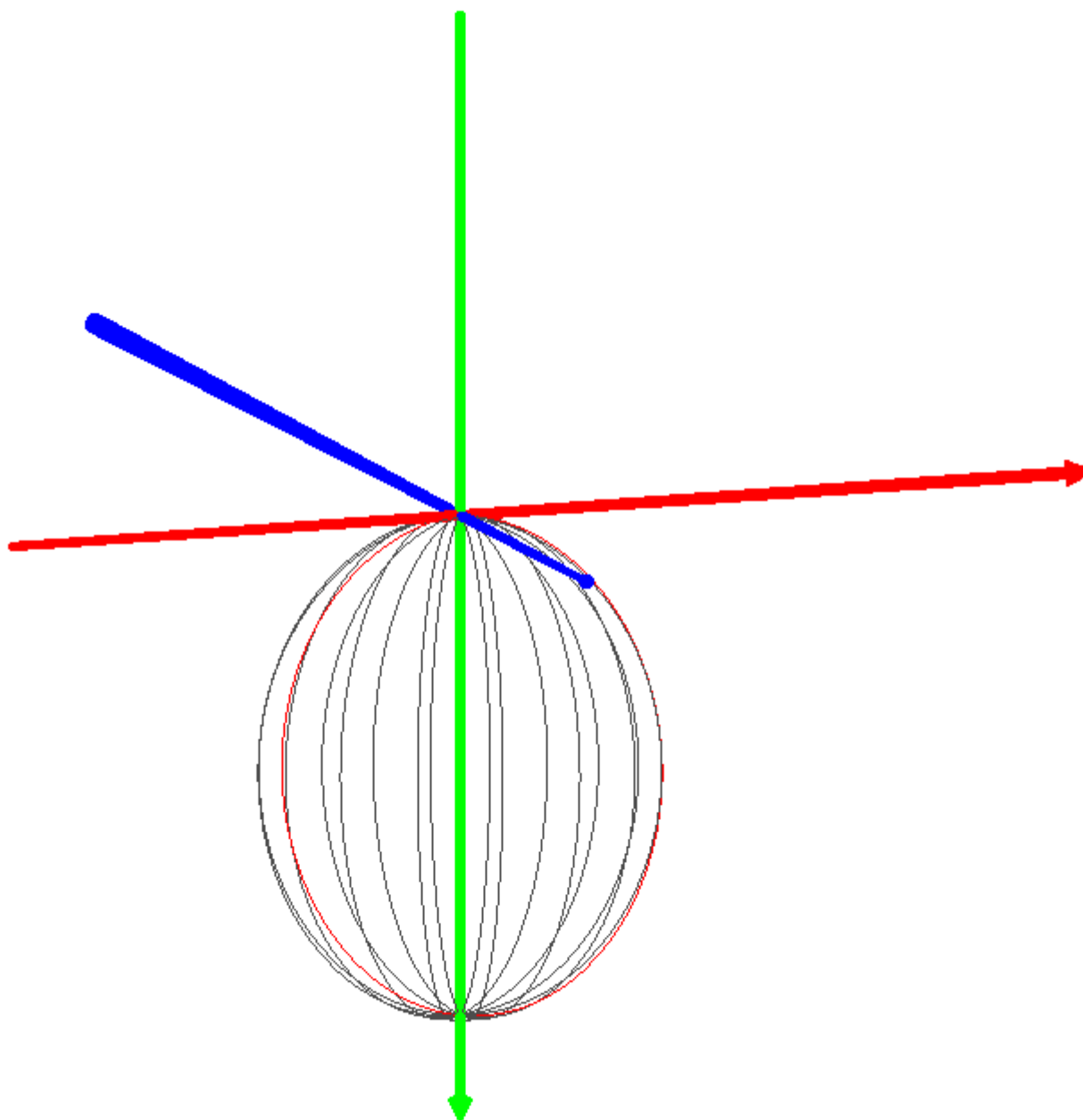
SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000 PLN



Legend

- - C0-C180
- - C90-C270
- - G0-G180

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

Extended electrical report

	U(%f)	I(%f)	P(%f)
0	0,0167	0,483	-7,64e-05
1	100,000	100,000	100,000
2	0,00556	0,300	4,84e-06
3	0,00544	11,296	0,000603
4	0,00206	0,170	-2,75e-07
5	0,00694	2,796	-0,00015
6	0,00141	0	0
7	0,00487	1,908	5,1e-05
8	0,0013	0,0951	2,32e-07
9	0,00121	1,754	-8,08e-06
10	0	0	0
11	0,00461	0,258	-7,35e-06
12	0	0,0527	0
13	0,00334	0,900	1,37e-05
14	0	0,0579	0
15	0,000893	0,468	3,59e-06
16	0	0	0
17	0,0029	0,243	-1,81e-07
18	0	0,0356	2,84e-07
19	0,00275	0,423	5,14e-06
20	0,00116	0	0
21	0,0022	0,122	1,93e-06
22	0,00114	0	0
23	0,00376	0,249	-6,1e-06
24	0,000993	0,0402	-4,16e-07
25	0,00182	0,237	1,13e-06
26	0,00108	0	0
27	0	0	0
28	0	0	0
29	0,000854	0,163	-1,05e-06
30	0	0	0
31	0,00209	0,102	-6,65e-07
32	0	0	0
33	0,0012	0,0874	1,14e-06
34	0,00116	0	0
35	0,000847	0,135	-1,32e-06
36	0,00138	0	0
37	0,00109	0,0481	-3,46e-07
38	0,0011	0	0
39	0	0,0601	0
40	0,00102	0	0
41	0,0012	0,0582	-9,64e-07
42	0	0	0

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

Raiffeisen Bank Polska S.A.

NIP: 783-171-97-20

ul. Poznańska 70

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

REGON 360317241

PL-62-040 Puszczkowo; Poland

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

KRS: 0000537079

Tel.: +48 61 819 40 03

SWIFT BIC: RCBWPLPW

Kapitał 200.000PLN

43	0,0011	0,039	0
44	0,00103	0	0
45	0	0,0919	0
46	0,00125	0	0
47	0,000866	0,0604	0
48	0,00116	0	0
49	0,00143	0	0
50	0,00106	0	0