

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa 2Line Optica 12W CCT Switch DIMM*
Item No: *AZ6256*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6256_6000*
LuminaireName: *Alfa 2Line Optica 12W CCT Switch DIMM*
LuminaireNumber: *AZ6256*
FileName: *AZ6256_6000.ldt*
Date: *2024-10-02*

Dimensions of luminaire

Length: *50 mm*
Width: *0 mm*
Height: *190 mm*

Dimensions of luminous area

Length: *35 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*

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: *712,12 lm*
Color temperatur: *6701 K*
Color rendering index: *90,01*
Wattage including ballast: *14,54 W*

Utilization factors:

k = 0.60	<i>0,713</i>
k = 0.80	<i>0,758</i>
k = 1.00	<i>0,807</i>
k = 1.25	<i>0,843</i>
k = 1.50	<i>0,870</i>
k = 2.00	<i>0,922</i>
k = 2.50	<i>0,930</i>
k = 3.00	<i>0,944</i>
k = 4.00	<i>0,964</i>
k = 5.00	<i>0,978</i>

Electrical parameters

<i>U</i>	<i>= 229,673 V</i>
<i>I</i>	<i>= 0,080 A</i>
<i>P</i>	<i>= 14,542 W</i>
<i>Power factor</i>	<i>= 0,789</i>

<i>Power apparent</i>	<i>= 18,433 VA</i>
<i>Power Reactive</i>	<i>= -11,322 var</i>
<i>Frequency Voltage</i>	<i>= 50,004 Hz</i>
<i>THD</i>	<i>= 42,615 %</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

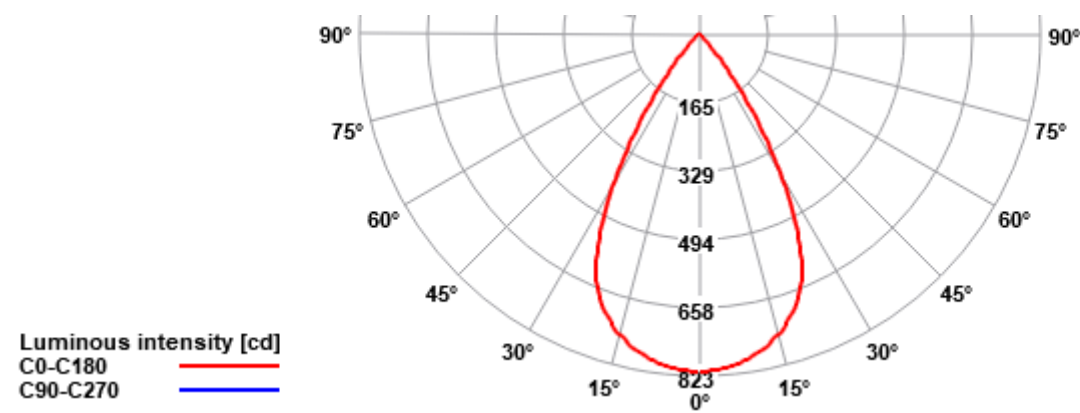
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	712,12 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	814,89 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	48,98 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3094
y	0,3278
Angular Colour Uniformity	0,0220

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

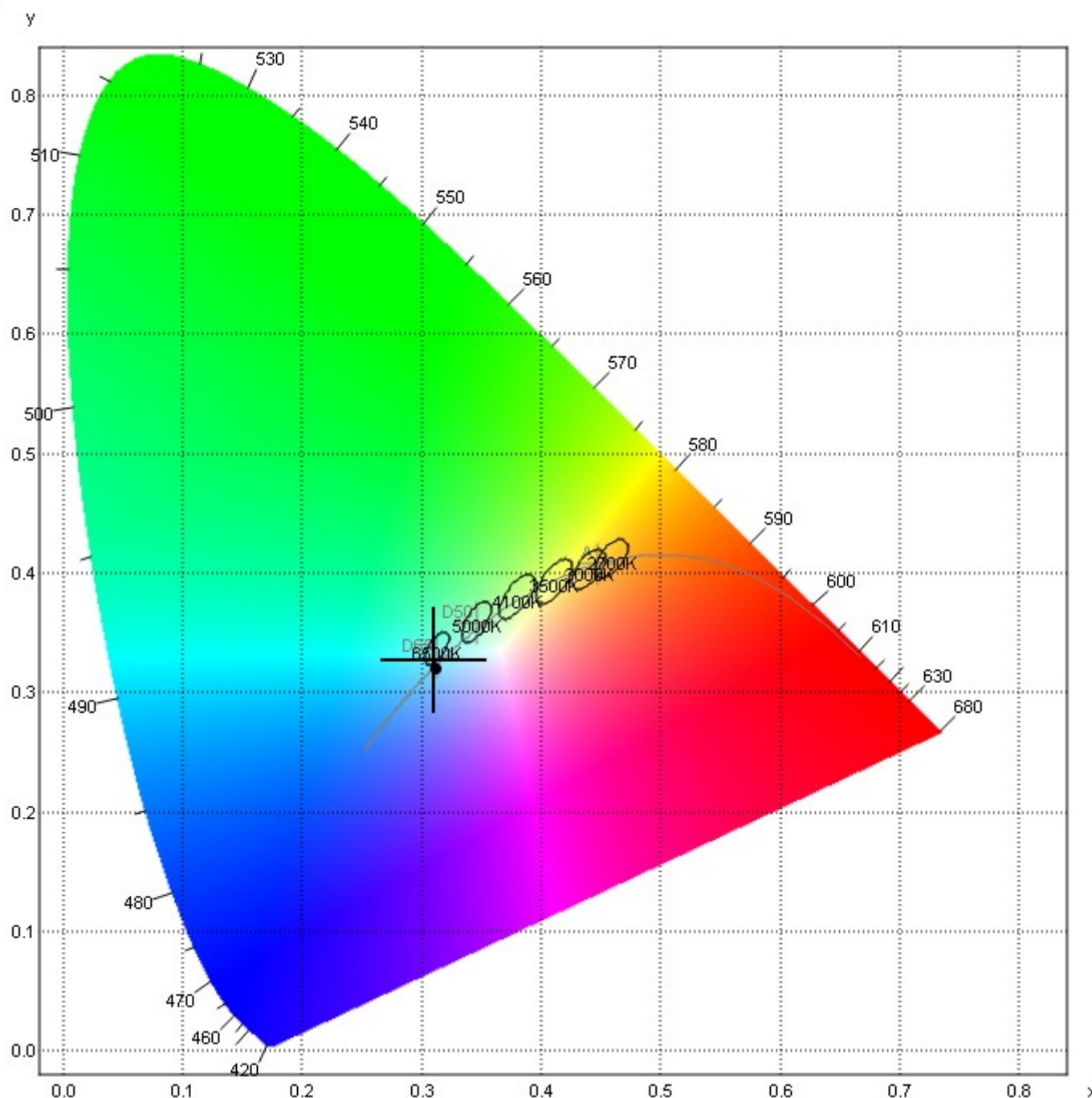
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

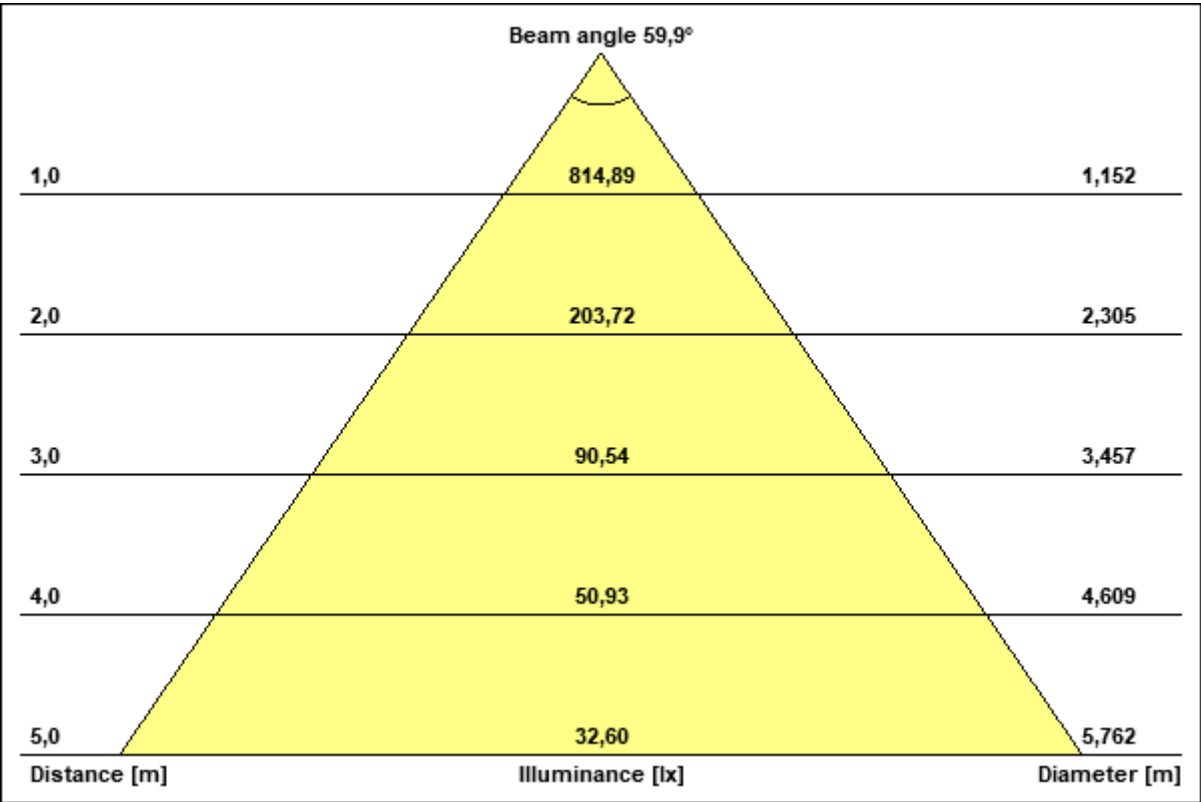
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

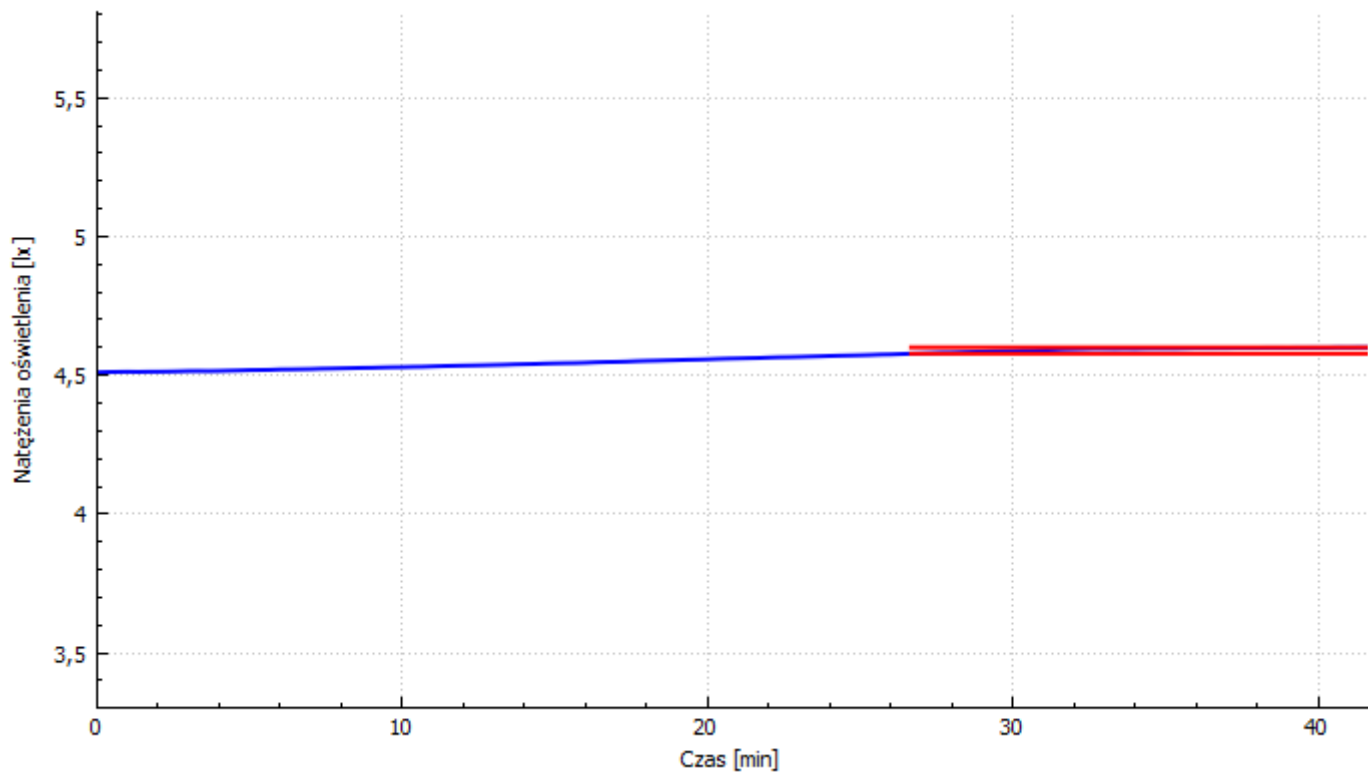
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

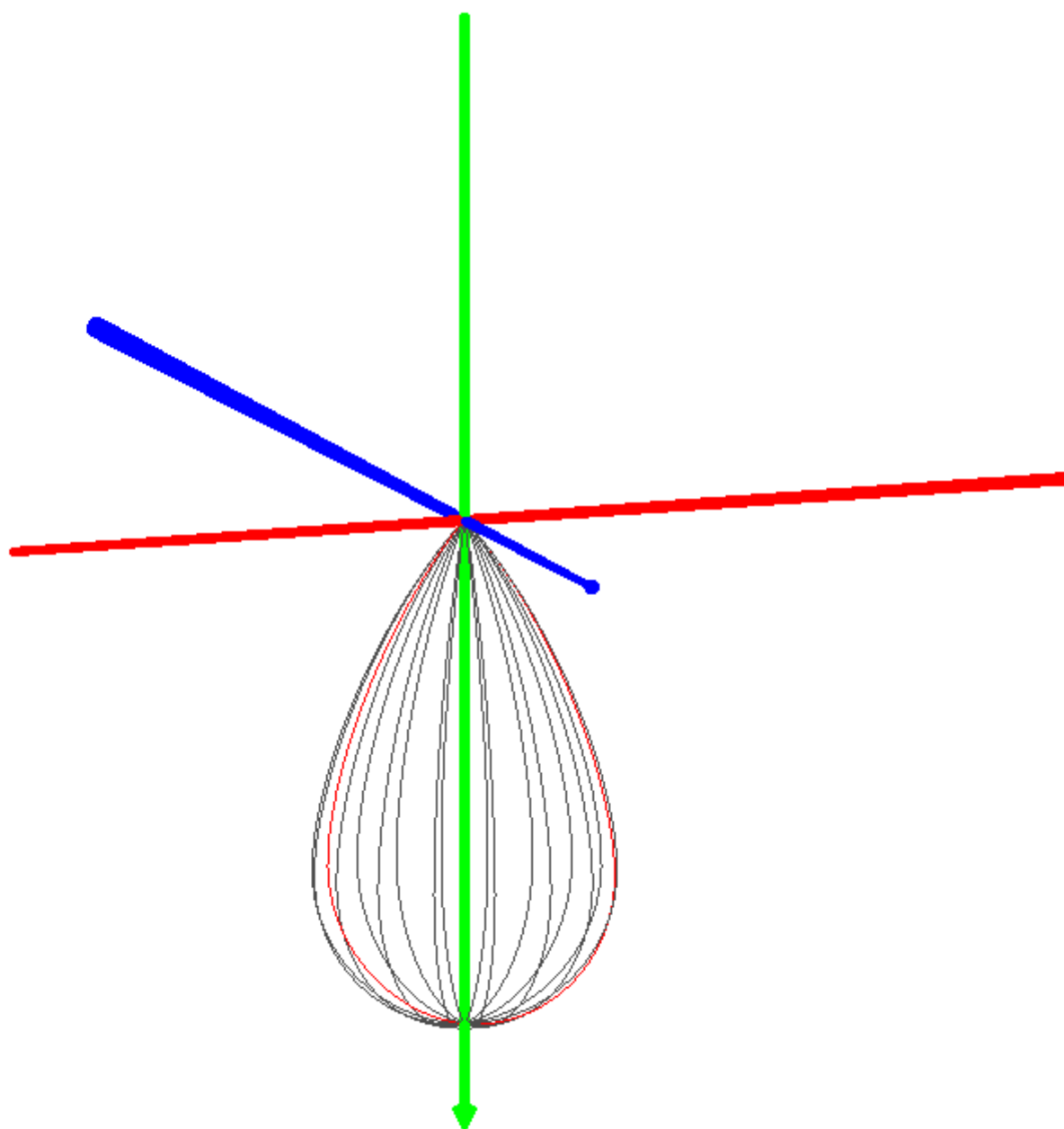
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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	0,00285	0,107	2,76e-06
1	100,000	100,000	100,000
2	0,0239	0,227	2,81e-05
3	0,0192	32,803	-0,000644
4	0,0104	0,115	-1,04e-05
5	0,00602	15,372	2,14e-05
6	0,00702	0,152	2,55e-06
7	0,00835	10,595	0,000631
8	0,00459	0,103	-7,67e-06
9	0,00651	6,276	0,000406
10	0,0034	0,145	4,97e-07
11	0,00987	7,011	0,00062
12	0,00285	0,110	-1,76e-06
13	0,00485	5,375	0,000288
14	0,00266	0,142	1,86e-06
15	0,00174	4,561	8,57e-05
16	0,00207	0,112	5,04e-07
17	0,00424	6,104	-5,36e-05
18	0,00166	0,123	-5,19e-07
19	0,00302	3,973	-5,6e-05
20	0,0016	0,115	-6,58e-07
21	0,00576	5,585	-7,83e-05

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	0,00163	0,103	-1,4e-06
23	0,00625	4,771	-0,000141
24	0,00119	0,0738	-1,26e-06
25	0,00497	3,284	-2,12e-05
26	0,00147	0,058	6,76e-07
27	0,0068	4,221	0,000106
28	0,000871	0,143	-2,49e-06
29	0,00338	1,978	4,78e-05
30	0,000846	0,0803	1,22e-07
31	0,00294	2,213	5,14e-05
32	0,00143	0,106	-1,87e-06
33	0,00283	2,427	2,12e-06
34	0	0,106	0
35	0,00181	1,423	-5,09e-06
36	0	0,0726	0
37	0,00456	2,749	-3,71e-05
38	0	0,103	0
39	0,00735	3,010	-6,87e-06
40	0,00109	0,116	1,72e-06
41	0,00771	2,568	2,03e-05
42	0	0,121	0
43	0,0085	3,382	7,16e-06
44	0,000886	0,113	1,94e-06
45	0,00612	2,696	2,89e-05
46	0,000949	0,190	-8,08e-08
47	0,0053	2,625	6,63e-05
48	0,00136	0,116	3,7e-06
49	0,00627	2,800	3,63e-07
50	0,00148	0,152	-1,71e-06

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