

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Dali 120 4000K*

Item No: *AZ5250*

Serial No.:

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ5250*

LuminaireName: *Dali 120 4000K*

LuminaireNumber: *AZ5250*

FileName: *AZ5250.Idt*

Date: *2024-08-12*

Dimensions of luminaire

Length: *1200 mm*

Width: *40 mm*

Height: *100 mm*

Dimensions of luminous area

Length: *1150 mm*

Width: *30 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: *2003,69 lm*
Color temperatur: *3884 K*
Color rendering index: *79,97*
Wattage including ballast: *35,96 W*

Utilization factors:

k = 0.60	<i>0,074</i>
k = 0.80	<i>0,125</i>
k = 1.00	<i>0,174</i>
k = 1.25	<i>0,229</i>
k = 1.50	<i>0,278</i>
k = 2.00	<i>0,360</i>
k = 2.50	<i>0,421</i>
k = 3.00	<i>0,471</i>
k = 4.00	<i>0,545</i>
k = 5.00	<i>0,599</i>

Electrical parameters

<i>U</i>	<i>= 229,599 V</i>
<i>I</i>	<i>= 0,170 A</i>
<i>P</i>	<i>= 35,964 W</i>
<i>Power factor</i>	<i>= 0,922</i>

<i>Power apparent</i>	<i>= 39,011 VA</i>
<i>Power Reactive</i>	<i>= -15,120 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 21,248 %</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

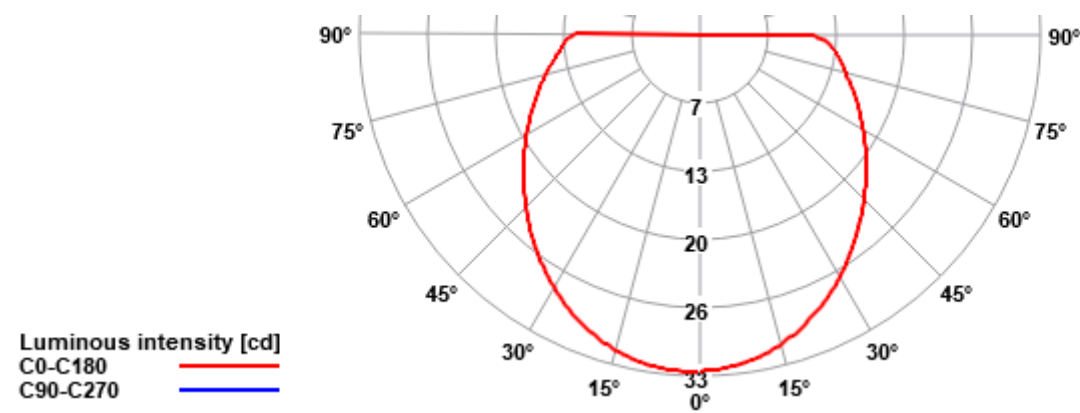
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	2003,69 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	1350,17 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	55,72 lm/W

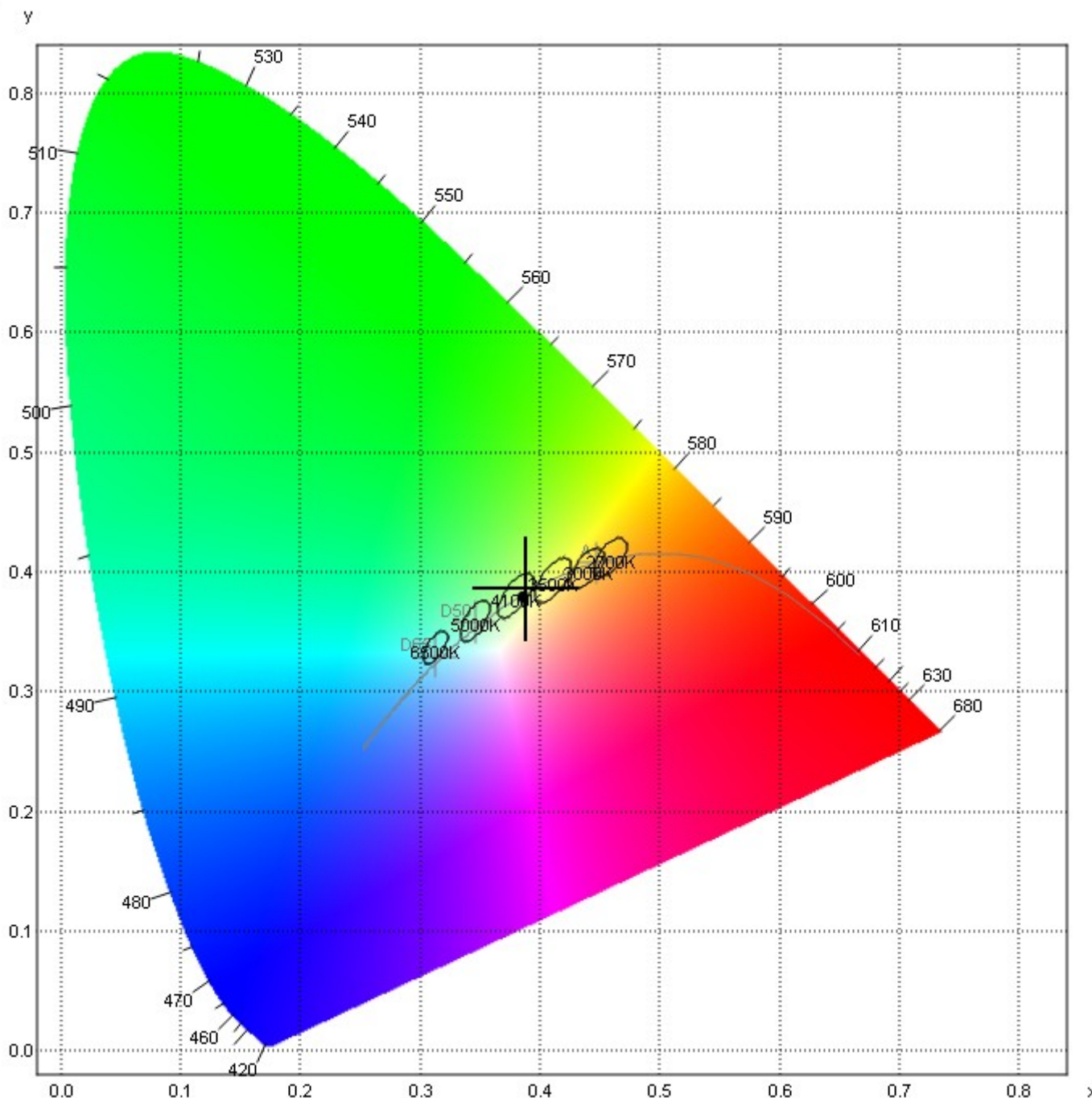
Light intensity distribution diagram



CIE 1931 diagram

x	0,3874
y	0,3858
Angular Colour Uniformity	0,0027

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

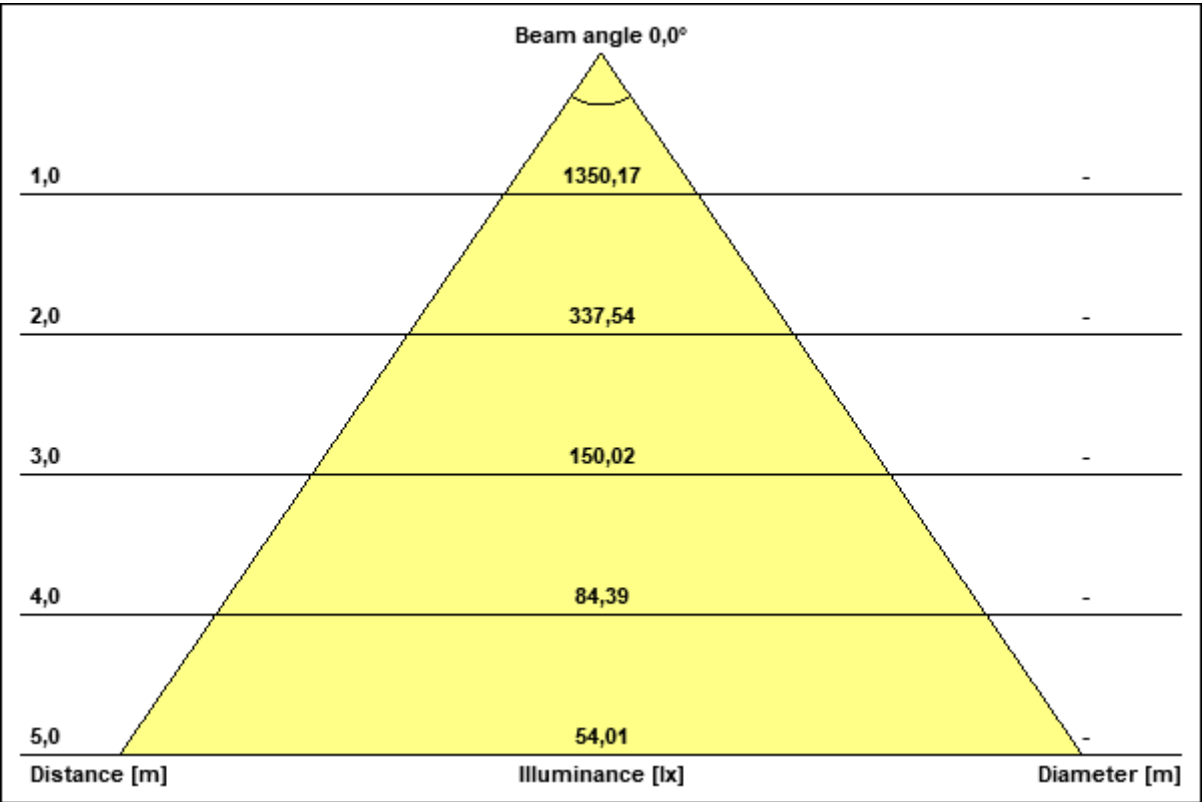
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

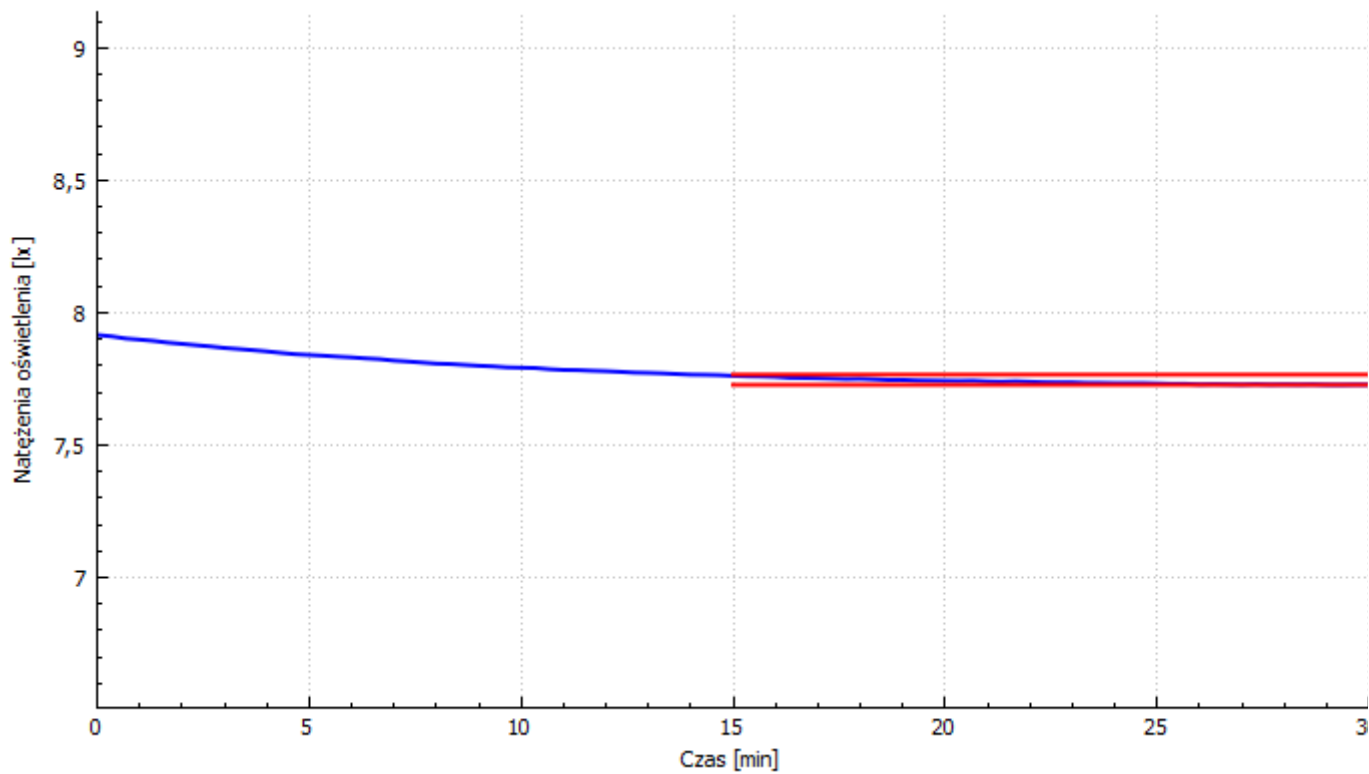
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

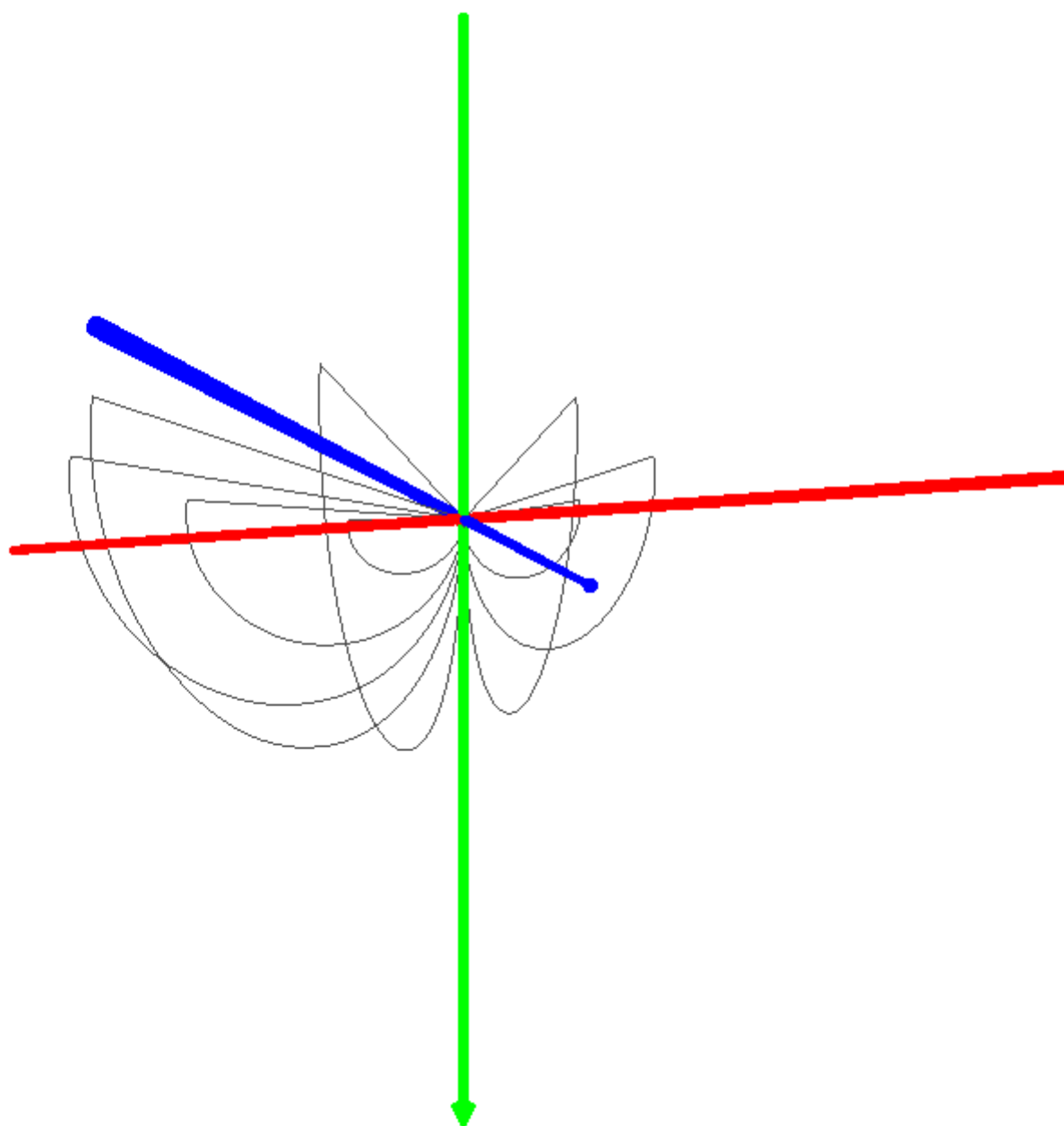
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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	0,0142	0	0
1	100,000	100,000	100,000
2	0,00364	0	0
3	0,00485	18,664	0,000701
4	0,00192	0	0
5	0,00888	7,646	0,000679
6	0,000867	0	0
7	0,00507	3,967	0,000211
8	0	0	0
9	0,00229	2,425	4,02e-05
10	0	0	0
11	0,0037	1,769	-3,72e-05
12	0	0	0
13	0,00272	1,523	-2,07e-05
14	0	0	0
15	0,00147	1,455	-1,09e-05
16	0	0	0
17	0,00142	1,419	-7,04e-06
18	0	0	0
19	0,00262	1,387	-7,52e-06
20	0	0	0
21	0,00255	1,323	-9,89e-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

22	0	0	0
23	0,00667	1,284	-1,03e-05
24	0	0	0
25	0,00469	1,185	-4,41e-06
26	0	0	0
27	0,00376	1,095	8,34e-06
28	0	0	0
29	0,00406	1,016	8,96e-06
30	0,000994	0	0
31	0,00272	0,927	2,04e-05
32	0	0	0
33	0,00336	0,867	1,75e-05
34	0	0	0
35	0,004	0,822	7,49e-06
36	0,00102	0	0
37	0,00291	0,742	8,16e-06
38	0	0	0
39	0,00232	0,707	5,46e-06
40	0	0	0
41	0	0,640	0
42	0,000859	0	1,3e-07
43	0,00204	0,624	-2,14e-07
44	0,0009	0	0
45	0,00321	0,636	-7,74e-07
46	0	0	0
47	0,00371	0,593	1,15e-06
48	0,000876	0	0
49	0,00445	0,590	3,28e-06
50	0,0012	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