

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Dali 60 3000K*

Item No: *AZ2792*

Serial No.:

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ2792*

LuminaireName: *Dali 60 3000K*

LuminaireNumber: *AZ2792*

FileName: *AZ2792.Idt*

Date: *2024-06-11*

Dimensions of luminaire

Length: *600 mm*

Width: *40 mm*

Height: *100 mm*

Dimensions of luminous area

Length: *460 mm*

Width: *35 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: *994,26 lm*
Color temperatur: *3023 K*
Color rendering index: *92,52*
Wattage including ballast: *18,29 W*

Utilization factors:

k = 0.60	<i>0,076</i>
k = 0.80	<i>0,128</i>
k = 1.00	<i>0,177</i>
k = 1.25	<i>0,233</i>
k = 1.50	<i>0,282</i>
k = 2.00	<i>0,364</i>
k = 2.50	<i>0,425</i>
k = 3.00	<i>0,475</i>
k = 4.00	<i>0,550</i>
k = 5.00	<i>0,603</i>

Electrical parameters

<i>U</i>	<i>= 229,759 V</i>
<i>I</i>	<i>= 0,097 A</i>
<i>P</i>	<i>= 18,294 W</i>
<i>Power factor</i>	<i>= 0,825</i>

<i>Power apparent</i>	<i>= 22,180 VA</i>
<i>Power Reactive</i>	<i>= -12,541 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 54,576 %</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

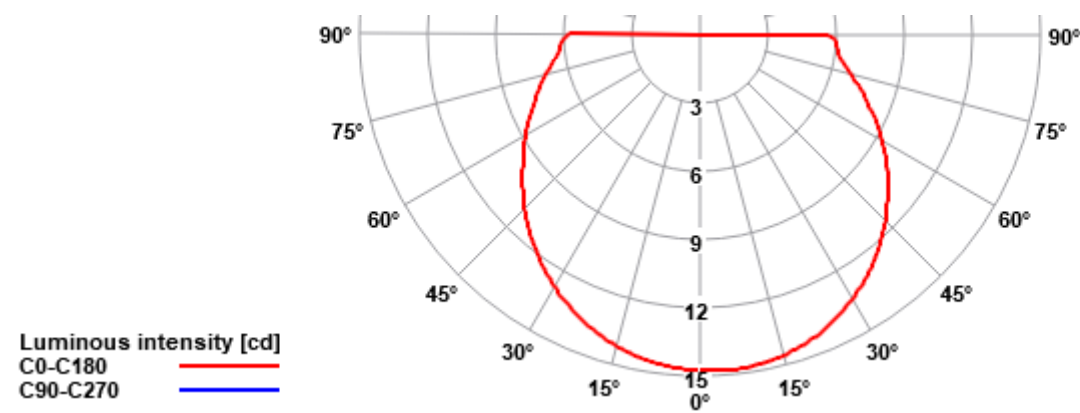
Kapitał 200.000PLN

Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	994,26 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	673,21 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	54,36 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4349
y	0,4026
Angular Colour Uniformity	0,0018

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

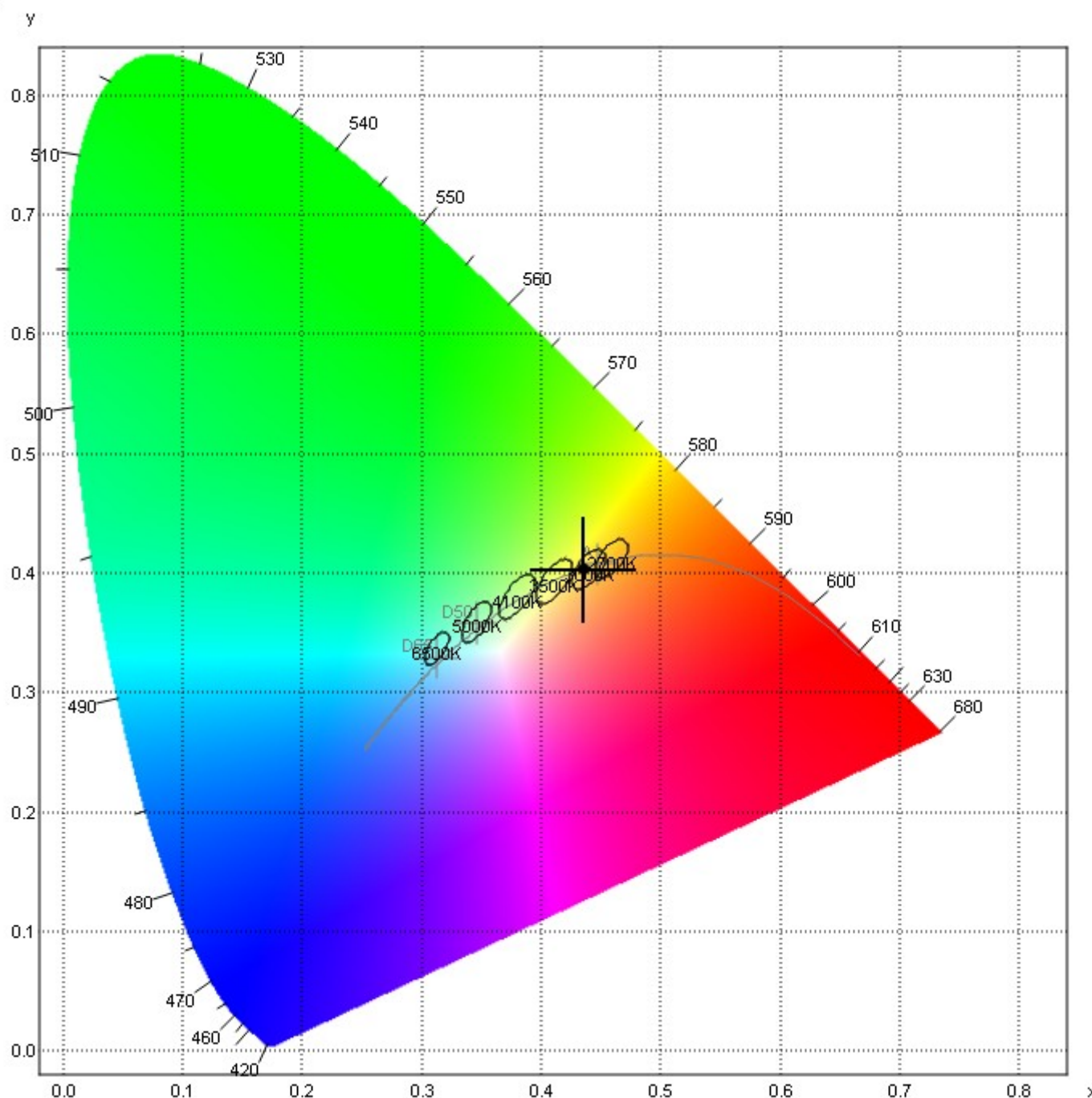
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

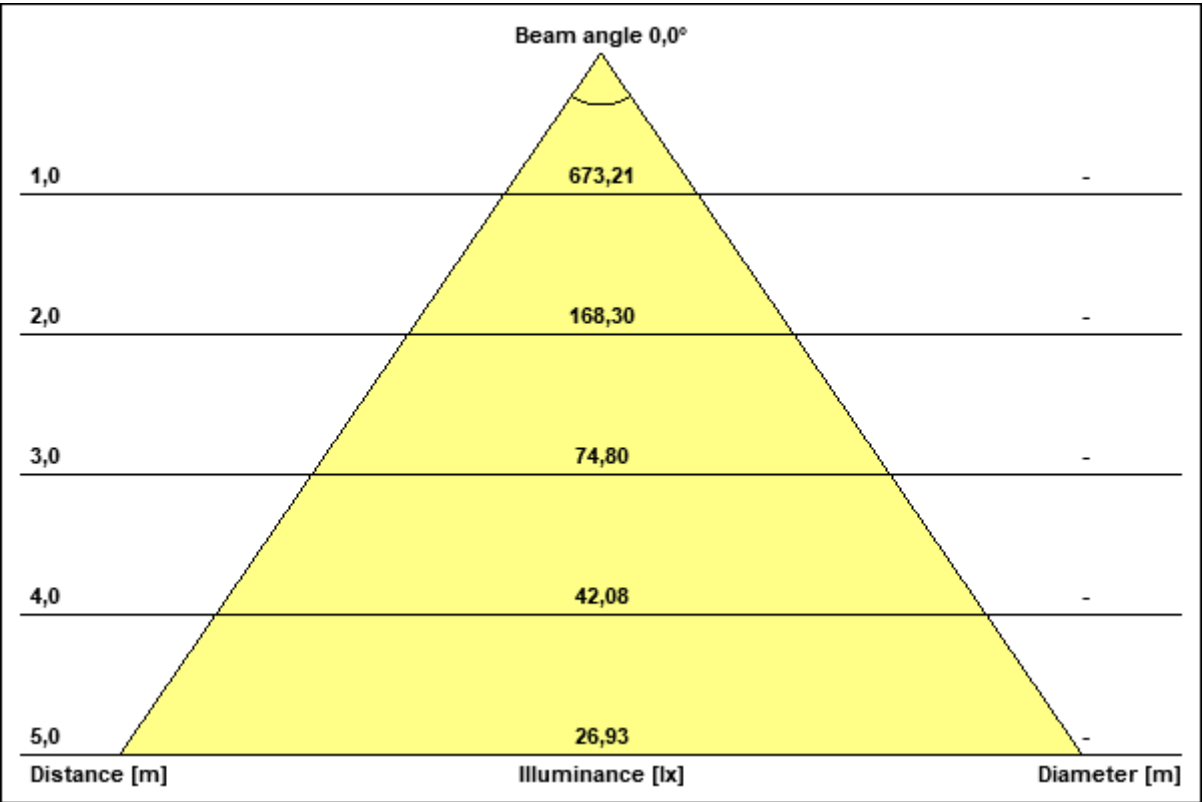
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

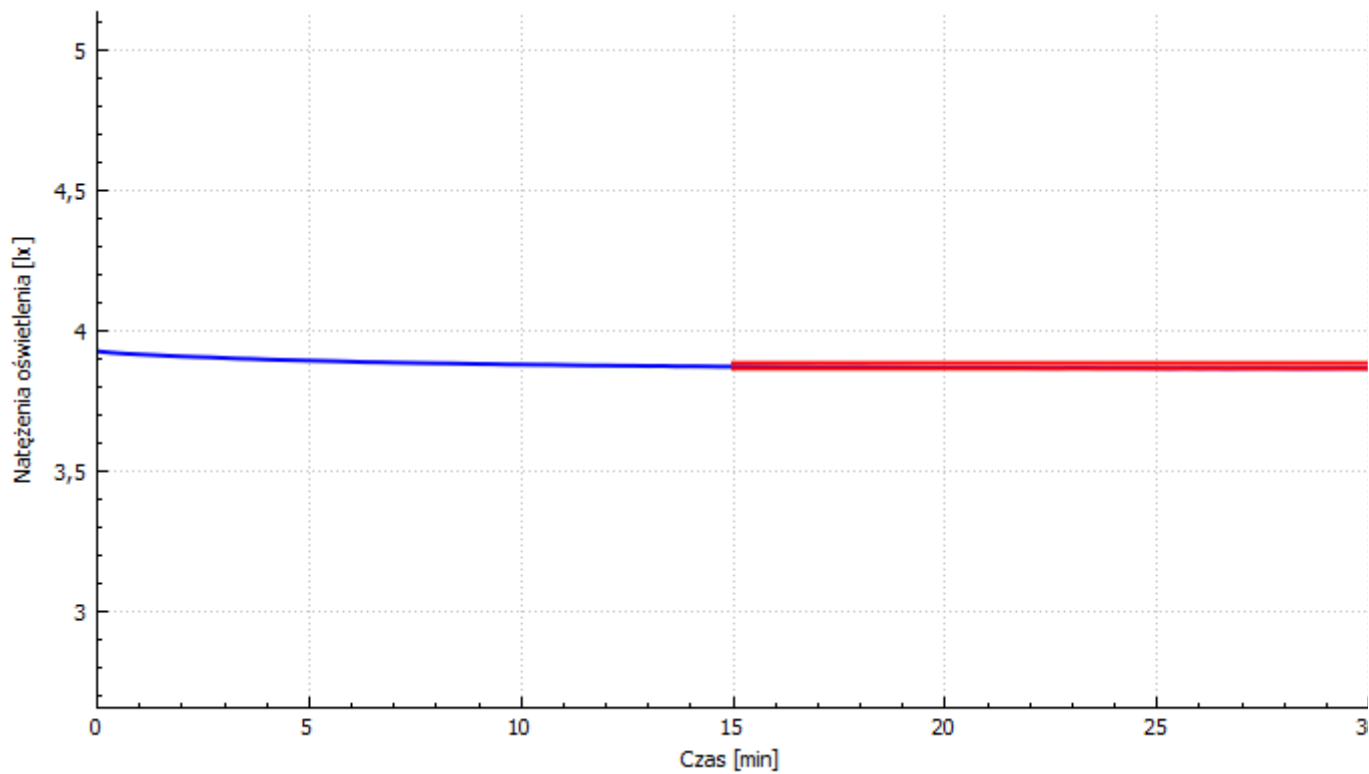
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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

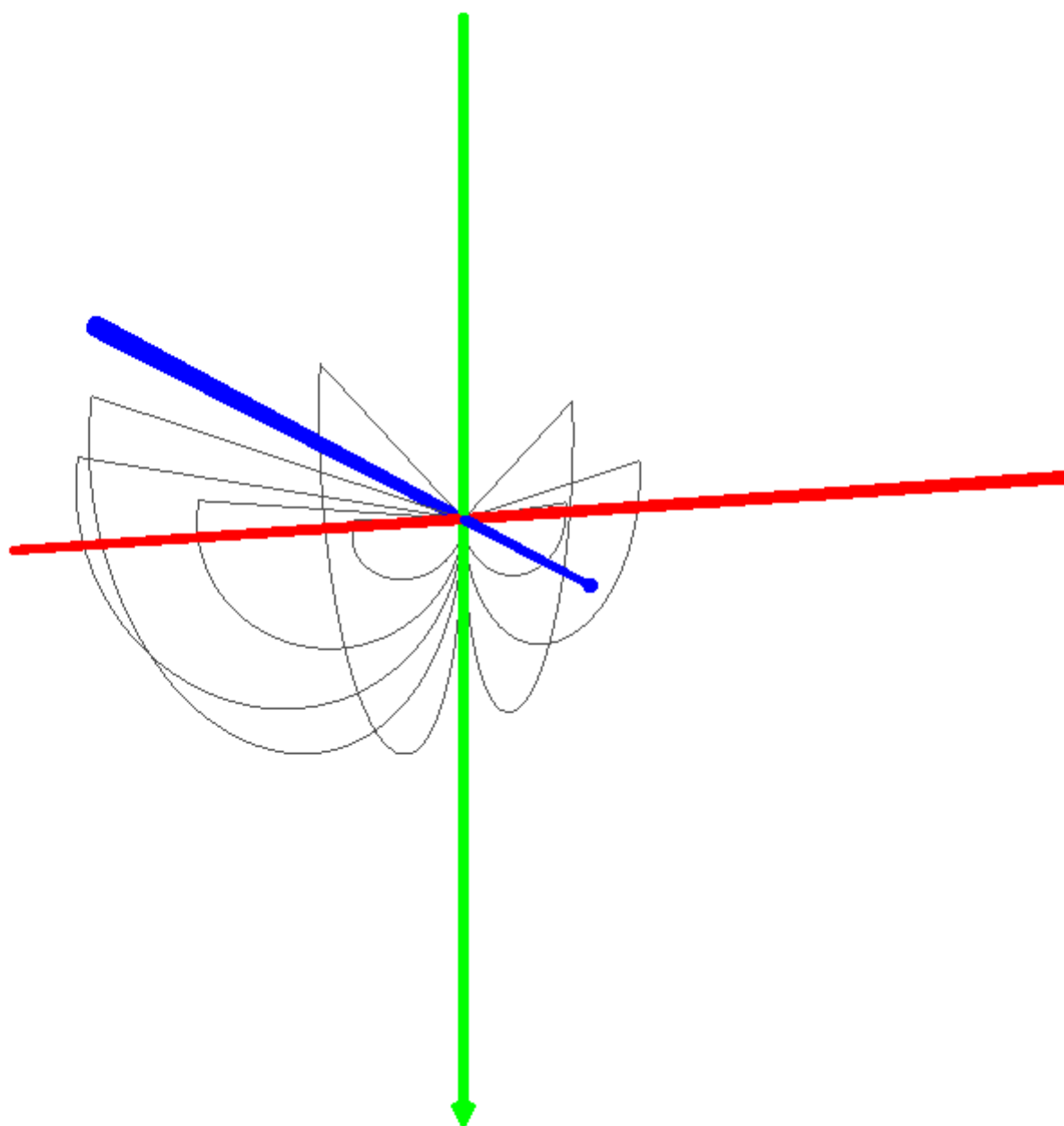
EUR: IBAN 06 1750 0012 0000 0000 2709 9467

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: RCBWPLPW NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



- C90-C270
- G0-G180

U(%f)

I(%f)

**Extended
electrical
report**

P(%f)			
-------	--	--	--

0	0,00515	0	0
1	100,000	100,000	100,000
2	0,0119	0	0
3	0,0115	26,796	0,00217
4	0,00447	0	0
5	0,0197	23,247	0,00403
6	0,00303	0	0
7	0,0114	23,149	0,00316
8	0,00164	0,0317	1,16e-07
9	0,0148	19,605	0,00251
10	0,00231	0,0328	0
11	0,0126	18,947	0,00155
12	0,0015	0	0
13	0,00617	6,961	0,00028
14	0,0014	0	0
15	0,00855	6,574	0,000312
16	0,00137	0	0
17	0,00456	4,900	9,76e-05
18	0	0	0
19	0,0142	12,425	0,00105
20	0,00121	0	0
21	0,00704	5,393	0,000138

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	0,000836	0	0
23	0,00665	5,384	2,85e-05
24	0,00104	0	0
25	0,00517	2,919	3,94e-05
26	0	0	0
27	0,00975	4,793	0,000195
28	0	0	0
29	0,00729	5,069	5,24e-05
30	0	0	0
31	0,0076	4,578	0,000136
32	0	0	0
33	0,00238	0,971	-4,85e-06
34	0	0	0
35	0	0,460	0
36	0,000921	0	0
37	0,00913	3,712	9,28e-05
38	0	0	0
39	0,00501	1,944	3,68e-05
40	0	0	0
41	0,00329	2,102	1,63e-05
42	0	0	0
43	0,00493	1,889	1,58e-05
44	0	0	0
45	0,00469	1,332	4,27e-06
46	0	0	0
47	0,0025	1,025	5,93e-06
48	0	0	0
49	0,00741	2,253	4,78e-05
50	0,00101	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