GL GONIOSPECTROMETER
MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting Company*
Model name: *SOLVENT R TOP 60 GR + REMOTE CONTROL*
Item No: *AZ3995*
Serial No.:
Made by: *Adam Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *1*
LuminaireName: *Solvent R 60*
LuminaireNumber: *AZ3995*
FileName: *AZ3995.ldt*
Date: *2020-10-20*

Dimensions of luminaire

Length: *600* mm
Width: *0* mm
Height: *120* mm

Dimensions of luminous area

Length: *580* mm
Width: *0* mm
C0-plane *100* mm
C90-plane *100* mm
C180-plane *100* mm
C270-plane *100* mm

Lamps:

Number of lamps:	*-1*
Type of lamps:	*LED*
Total luminous flux:	*1538,44 lm*
Color temperatur:	*2971.33 K*
Color rendering index:	*80,24*
Wattage including ballast:	*41,22 W*

Utilization factors:

k = 0.60	*0,209*
k = 0.80	*0,281*
k = 1.00	*0,346*
k = 1.25	*0,415*
k = 1.50	*0,471*
k = 2.00	*0,560*
k = 2.50	*0,617*
k = 3.00	*0,662*
k = 4.00	*0,726*
k = 5.00	*0,768*

Electrical parameters

U	*= 229,525 V*
I	*= 0,187 A*
P	*= 41,215 W*
Power factor	*= 0,961*
Power apparent	*= 42,892 VA*
Power Reactive	*= -11,838 var*
Frequency Voltage	*= 50,002 Hz*
THD	*= 8,318 %*

Temperature = 22 C

Goniometric measurement results

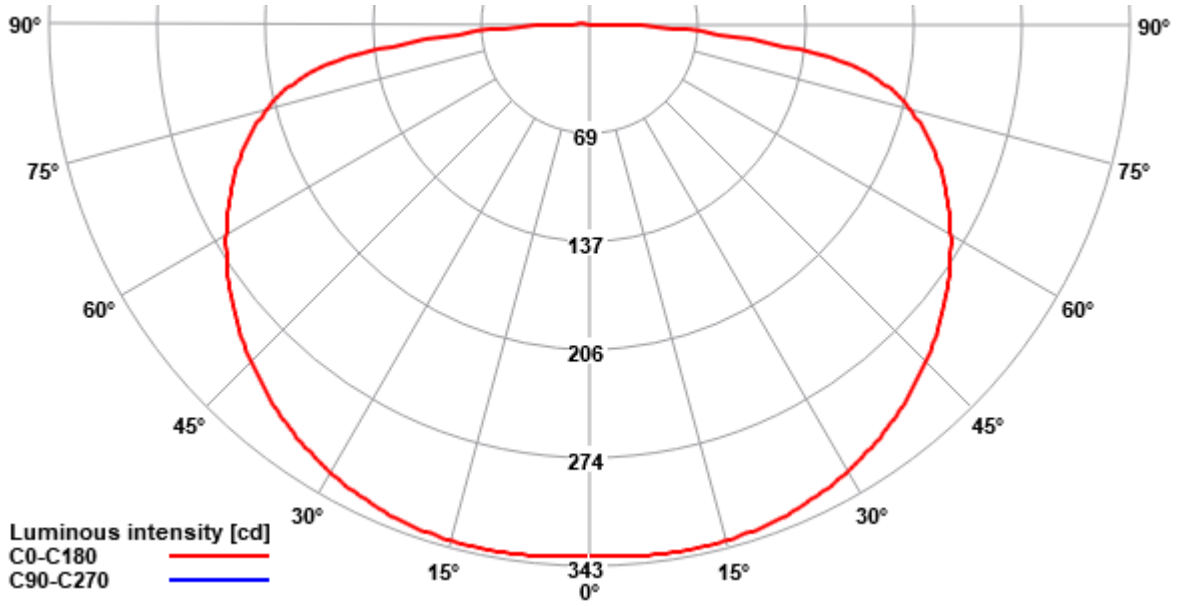
Total flux (utilized luminarie flux)	*1538,44 lm*
Flux in lower hemisphere	*100,00 %*
Flux in upper hemisphere	*0,00 %*
Maximium luminous intensity	*339,40 cd*
Light output ratio (LOR)	*100,00 %*
Luminous efficacy	*37,32 lm/W*

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

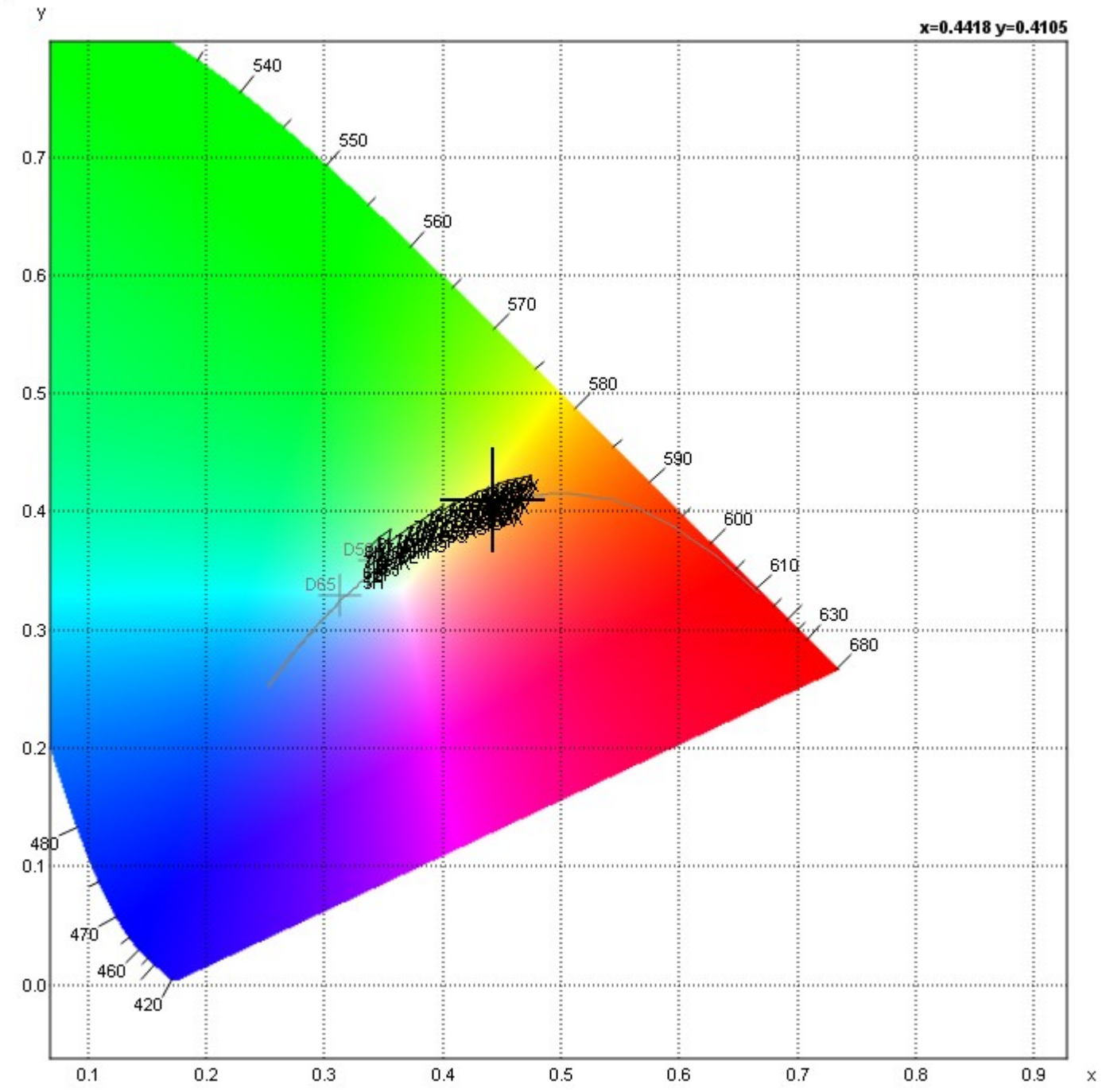
Light intensity distribution diagram



CIE 1931 diagram

x	0,4418
y	0,4105
Angular Colour Uniformity	0,0003

.

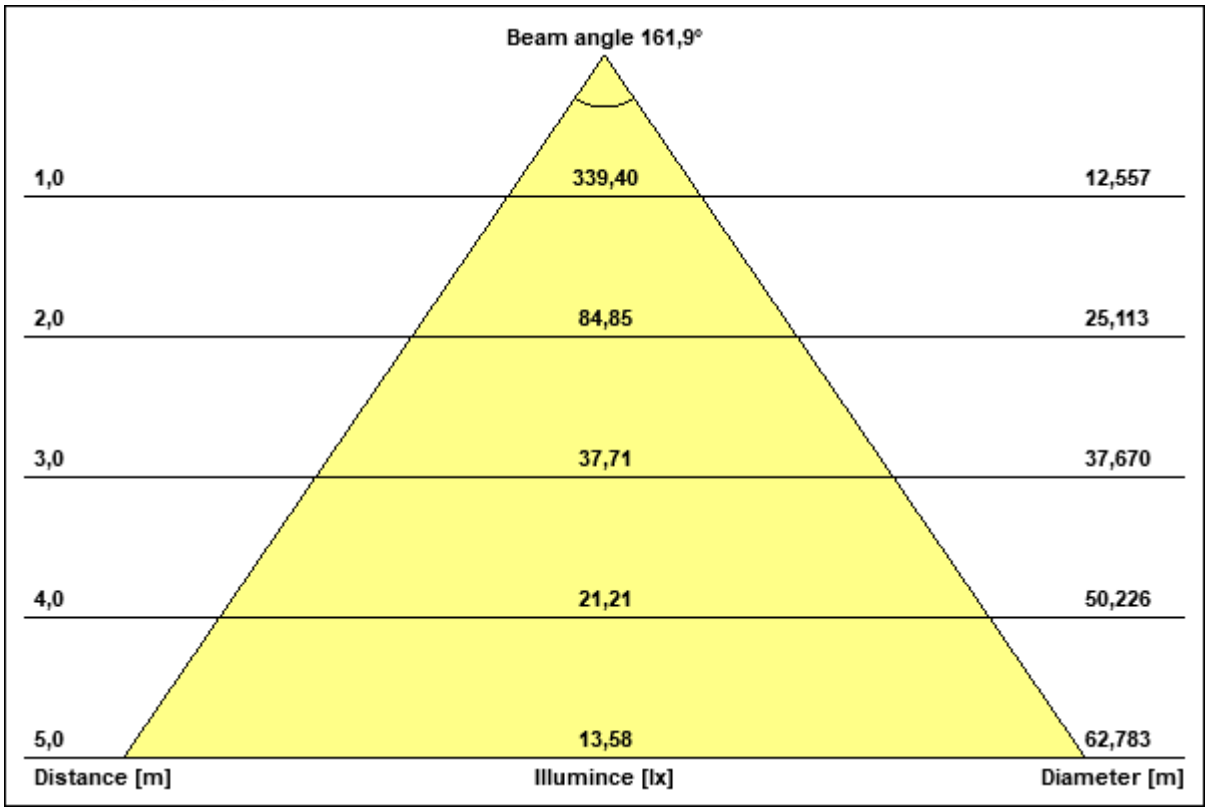


Beam cone

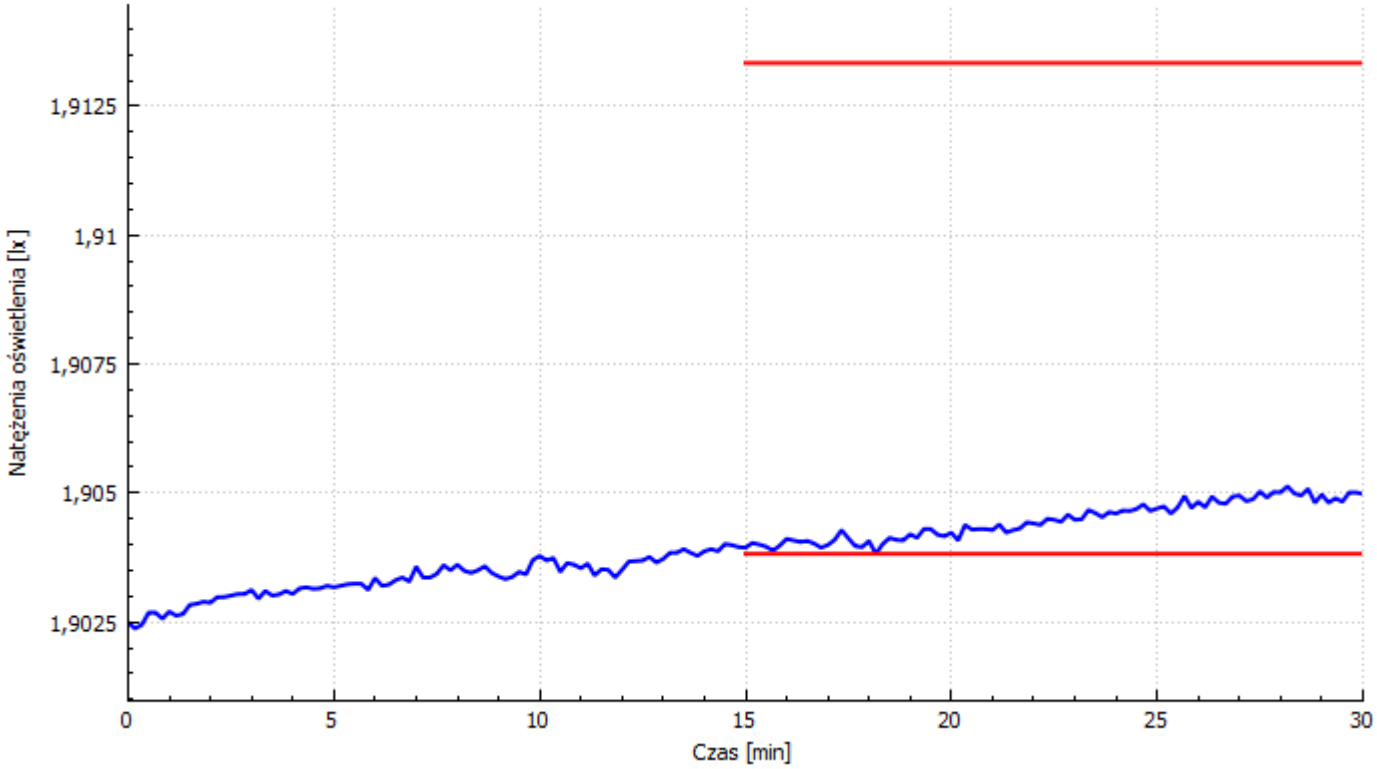
GL Optic R&D Center Sp. z o.o.
ul. Poznańska 70
PL-62-040 Puszczykowo; Poland
Tel.: +48 61 819 40 03

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

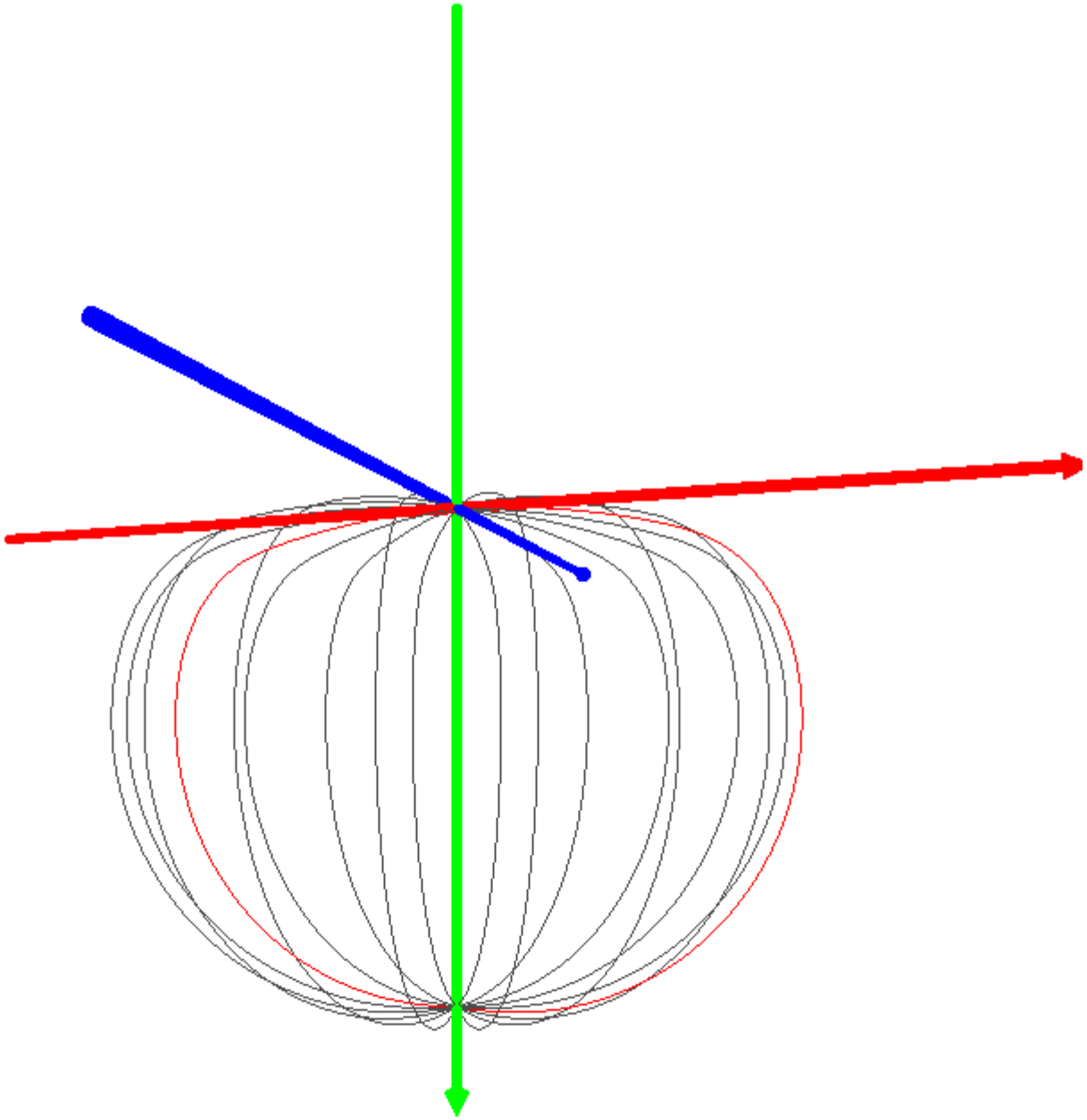
NIP: 783-171-97-20
REGON 360317241
KRS: 0000537079
Kapitał 200.000PLN



Stabilization


1,9125
1,91
1,9075
1,905
1,9025
Natężenia oświetlenia [lx]
0
5
10
15
20
25
30
Czas [min]

3D Chart



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	0,00615	0,747	4,21e-05
1	100,000	100,000	100,000
2	0,00435	0,661	-2,8e-05
3	0,0162	5,252	0,000766
4	0,00501	0,646	3,12e-05
5	0,00196	3,160	4,92e-05
6	0	0,622	0
7	0,0072	4,016	0,000286
8	0,00172	0,579	8,16e-06
9	0,00364	1,801	4,05e-05
10	0,00208	0,541	9,98e-06
11	0,00686	1,927	5,6e-05
12	0,000886	0,482	1,58e-06
13	0,00638	1,270	4,42e-05
14	0,00191	0,434	7,03e-06
15	0,00427	1,164	2,51e-05
16	0,000845	0,373	1,89e-06
17	0,00322	0,998	2,36e-05
18	0,00168	0,322	4,49e-06
19	0	0	0
20	0	0,269	0
21	0	0,367	0
22	0,00172	0,234	3,57e-06
23	0,0024	0,411	8,35e-06
24	0	0,189	0
25	0	0,191	0
26	0,00123	0,175	2,56e-06
27	0,00284	0,576	-1,67e-06
28	0	0,157	0
29	0,00217	0,321	2,54e-06
30	0,00131	0,164	1,96e-06
31	0,00216	0,425	-2,51e-06
32	0	0,154	0
33	0,00241	0,394	1,89e-06
34	0,00197	0,164	1,75e-06
35	0,00136	0,106	1,72e-06
36	0,00106	0,152	-8,45e-07
37	0,00231	0,329	5,69e-06
38	0,00183	0,160	2,86e-06
39	0	0,219	0
40	0	0,144	0
41	0,00168	0,151	-1,77e-06
42	0,00166	0,147	1,84e-06

43	0,00261	0,366	1,78e-06
44	0,00114	0,128	-1,02e-06
45	0	0,133	0
46	0,00166	0,130	2,15e-06
47	0,00116	0,258	9,67e-07
48	0,00126	0,115	-9,62e-07
49	0,00111	0,262	2,33e-07
50	0,00161	0,125	1,99e-06