

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Niko 2 Track Magnetic 2x7W CCT Switch*
Item No: *AZ6252*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6252_6000*
LuminaireName: *Alfa Niko 2 Track Magnetic 2Line 2x7W CCT Switch*
LuminaireNumber: *AZ6252*
FileName: *AZ6252_6000.ldt*
Date: *2024-09-24*

Dimensions of luminaire

Length: *120 mm*
Width: *0 mm*
Height: *170 mm*

Dimensions of luminous area

Length: *110 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*

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NIP: 783-171-97-20

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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

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Type of lamps: *LED*
 Total luminous flux: *695,05 lm*
 Color temperatur: *6554 K*
 Color rendering index: *90,29*
 Wattage including ballast: *16,07 W*

Utilization factors:

$k = 0.60$	<i>0,723</i>
$k = 0.80$	<i>0,766</i>
$k = 1.00$	<i>0,814</i>
$k = 1.25$	<i>0,849</i>
$k = 1.50$	<i>0,875</i>
$k = 2.00$	<i>0,926</i>
$k = 2.50$	<i>0,933</i>
$k = 3.00$	<i>0,946</i>
$k = 4.00$	<i>0,966</i>
$k = 5.00$	<i>0,980</i>

Electrical parameters

U = *229,679 V*
 I = *0,087 A*
 P = *16,072 W*
 Power factor = *0,808*

Power apparent = *19,910 VA*
 Power Reactive = *-11,741 var*
 Frequency Voltage = *50,002 Hz*
 THD = *38,127 %*

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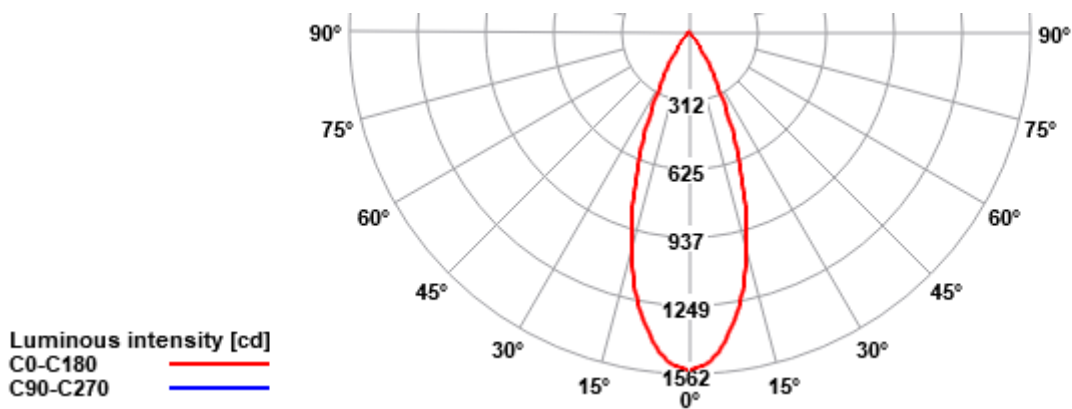
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminaire flux)	695,05 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	1546,26 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	43,25 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3117
y	0,3297
Angular Colour Uniformity	0,0122

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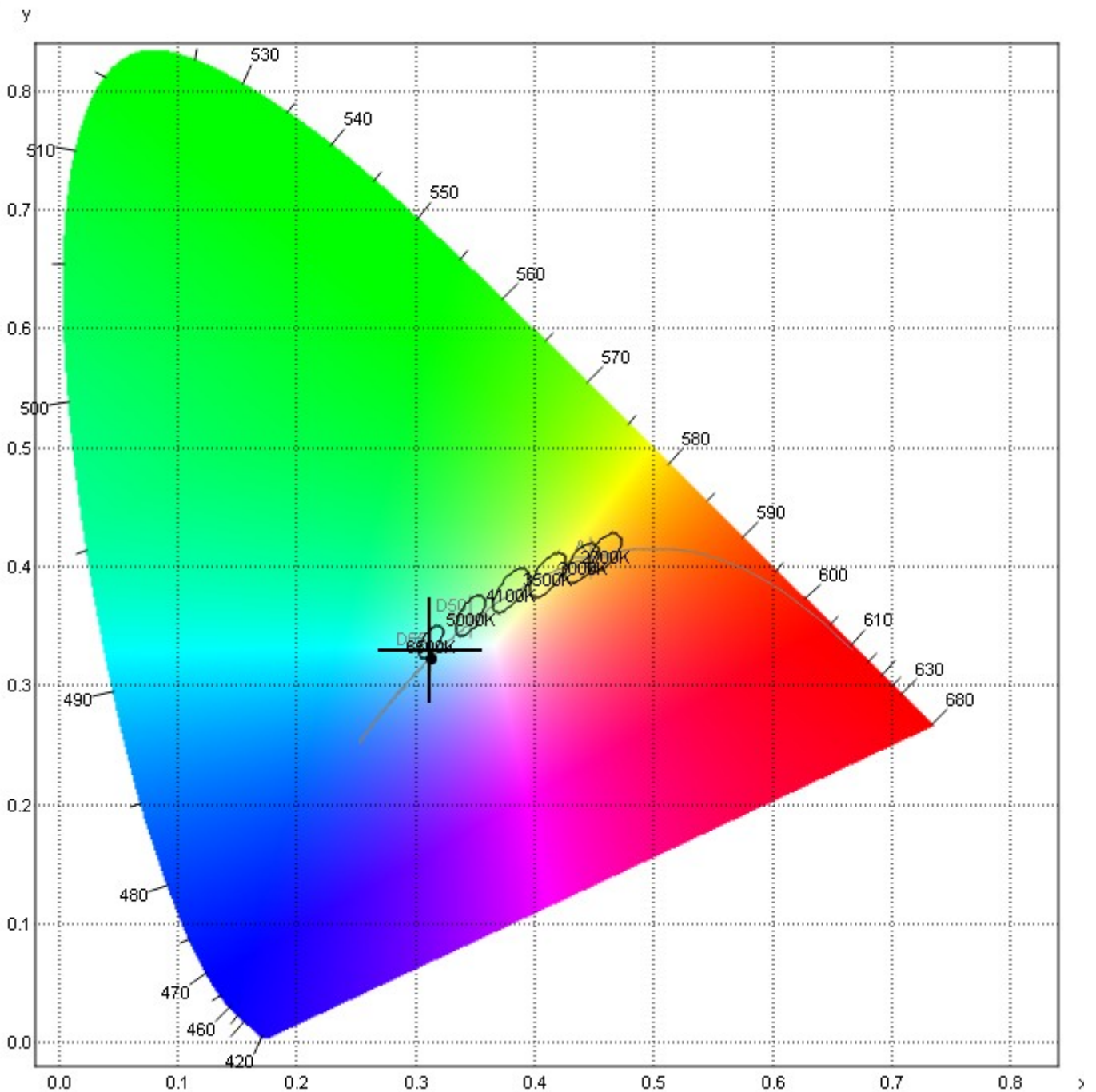
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Beam cone

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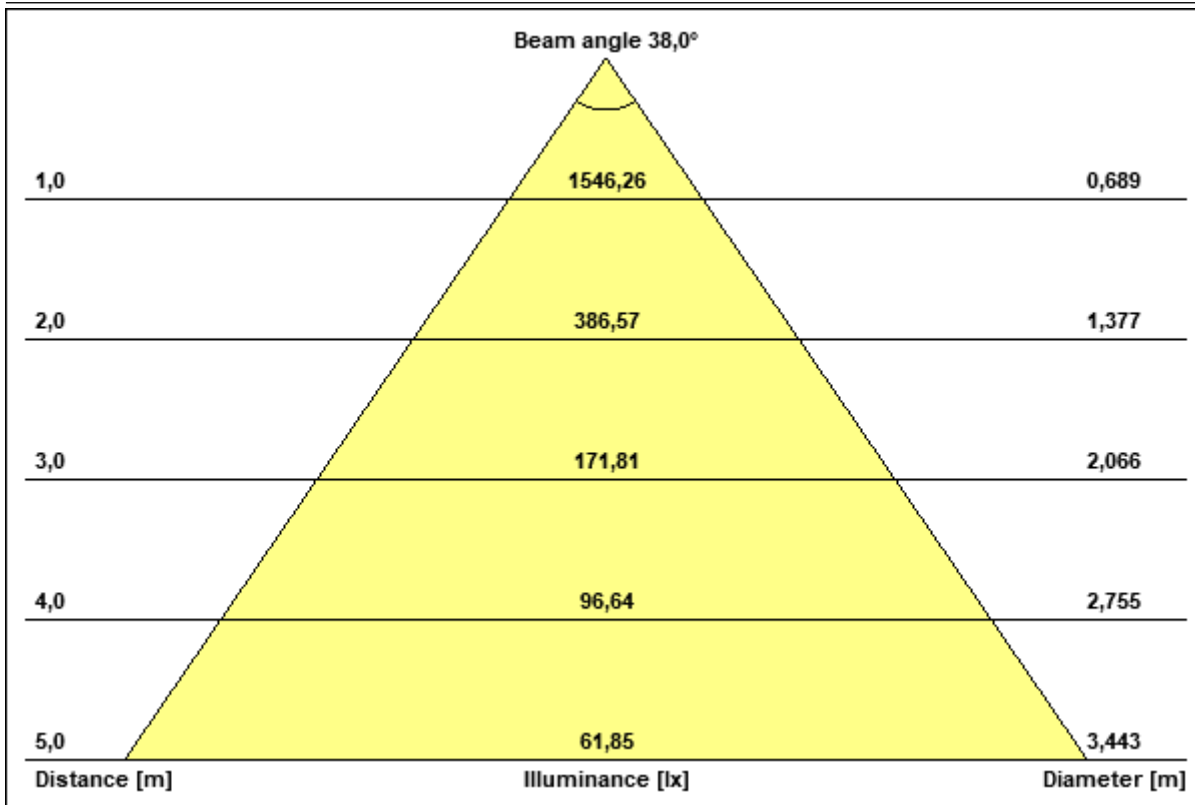
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Stabilization

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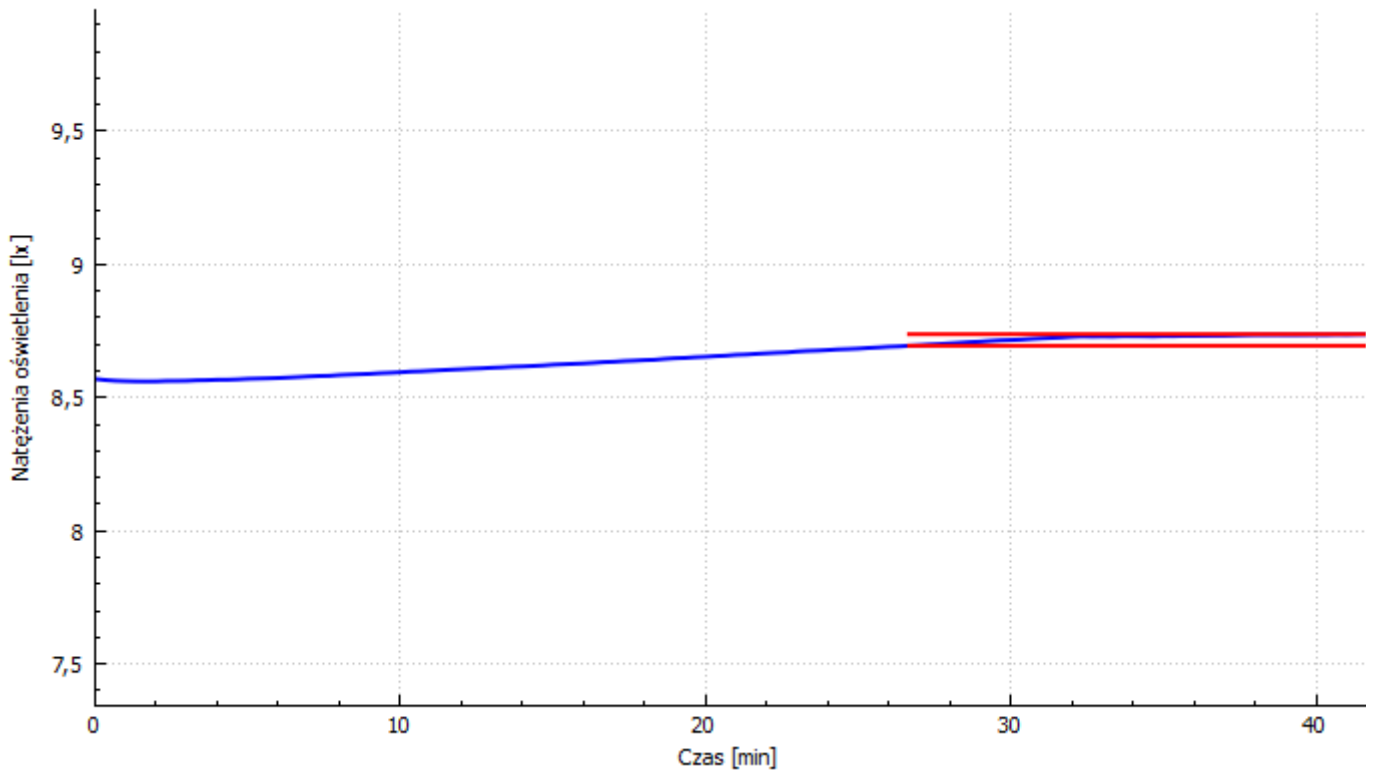
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3D Chart

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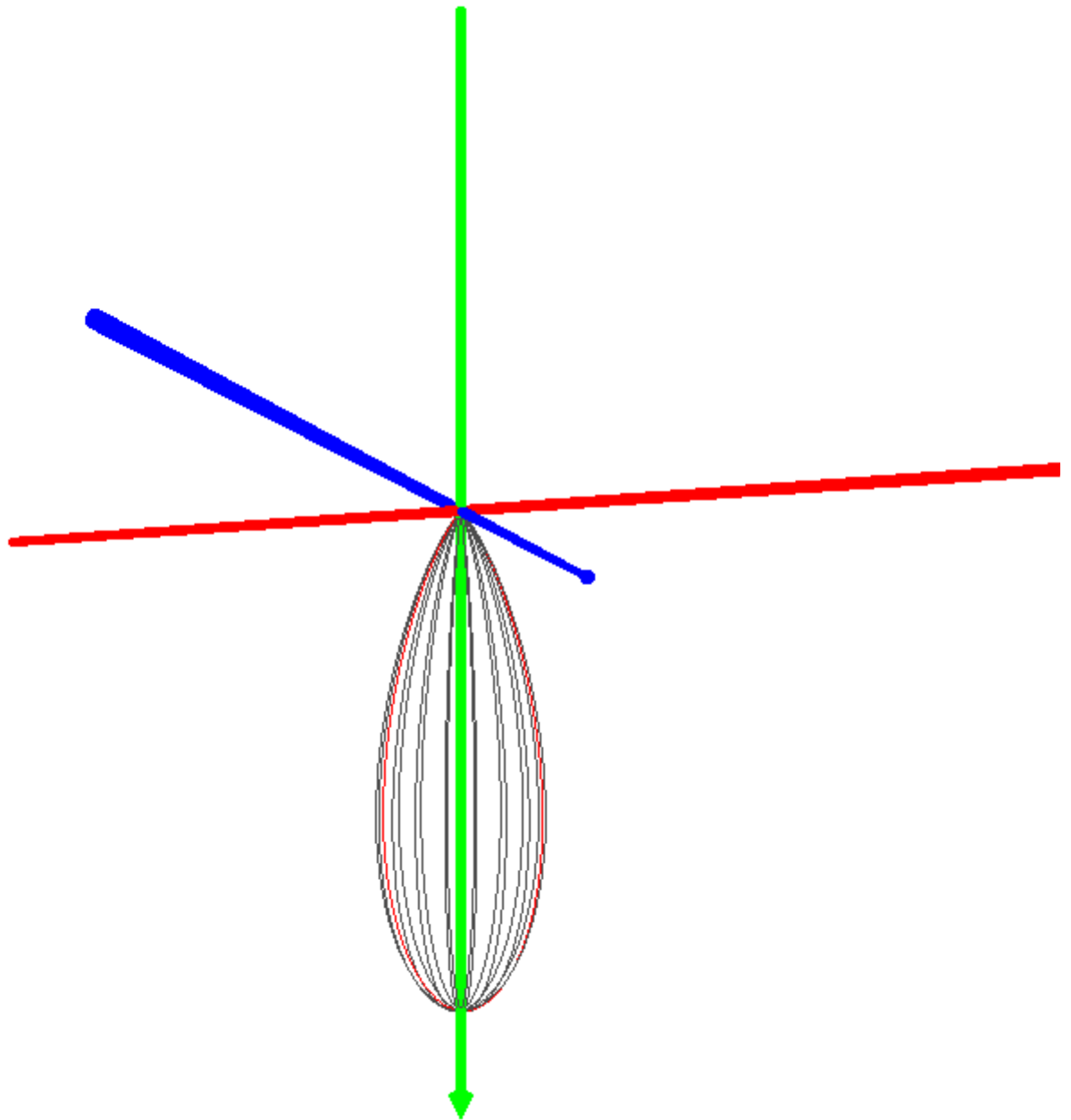
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

P(%f)

**Ext
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	U(%f)	I(%f)	P(%f)
0	0	0,0437	0
1	100,000	100,000	100,000
2	0,00633	0,241	-3,1e-05
3	0,00963	29,030	-7,08e-05
4	0,00383	0,179	-2,52e-05
5	0,00247	15,480	0,000112
6	0,00232	0,110	-1,55e-05
7	0,00442	7,998	3,82e-05
8	0,00161	0,140	-1,07e-05
9	0,00398	5,759	-1,66e-05
10	0	0,135	0
11	0,00829	7,112	0,00015
12	0,00122	0,124	-9,06e-06
13	0,00467	4,014	0,00019
14	0,00129	0,147	-4,09e-06
15	0,00204	4,193	5,31e-05
16	0,00131	0,136	-4,05e-07
17	0,00429	4,958	3,43e-05
18	0,000852	0,137	-1,29e-07
19	0,00254	2,842	4,78e-05
20	0,000894	0,202	1,79e-06
21	0,00619	5,121	9,4e-05

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22	0,00134	0,204	4,01e-06
23	0,00488	4,035	1,46e-05
24	0,00134	0,138	8,7e-06
25	0,00664	3,946	0,000103
26	0,00153	0,187	7,52e-06
27	0,00791	4,376	0,000174
28	0,00141	0,176	1e-05
29	0,00554	2,469	5,52e-05
30	0,00124	0,116	1,02e-05
31	0,00692	3,274	0,000164
32	0,00111	0,089	8,96e-06
33	0,0022	2,025	3,74e-05
34	0,00166	0,0951	1,31e-05
35	0,00235	1,770	1,39e-05
36	0,00125	0,101	1,08e-05
37	0,00194	2,106	-5,01e-05
38	0,00156	0,101	8,29e-06
39	0,00386	1,469	-5,77e-05
40	0,00114	0,099	1,06e-05
41	0,00685	1,882	-0,0001
42	0,0014	0,188	7,61e-06
43	0,00847	2,513	-1,01e-05
44	0,00177	0,121	4,78e-06
45	0,00695	2,019	1,74e-05
46	0,00198	0,156	6,6e-06
47	0,00914	2,801	7,82e-05
48	0,00146	0,106	3,04e-06
49	0,00762	2,633	9,5e-05
50	0,00171	0,107	-4,24e-06

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