

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Niko 2 Track Magnetic 20W CCT Switch*
Item No: *AZ6251*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6251_6000*
LuminaireName: *Alfa Niko 2 Track Magnetic 2Line 20W CCT Switch*
LuminaireNumber: *AZ6251*
FileName: *AZ6251_6000.ldt*
Date: *2024-09-25*

Dimensions of luminaire

Length: *50 mm*
Width: *0 mm*
Height: *210 mm*

Dimensions of luminous area

Length: *40 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

ul. Poznańska 70

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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: *1232,50 lm*
 Color temperatur: *6618 K*
 Color rendering index: *92,80*
 Wattage including ballast: *21,77 W*

Utilization factors:

$k = 0.60$	<i>0,699</i>
$k = 0.80$	<i>0,746</i>
$k = 1.00$	<i>0,796</i>
$k = 1.25$	<i>0,835</i>
$k = 1.50$	<i>0,863</i>
$k = 2.00$	<i>0,916</i>
$k = 2.50$	<i>0,925</i>
$k = 3.00$	<i>0,939</i>
$k = 4.00$	<i>0,960</i>
$k = 5.00$	<i>0,974</i>

Electrical parameters

U = *229,653 V*
 I = *0,110 A*
 P = *21,769 W*
 Power factor = *0,863*

Power apparent = *25,220 VA*
 Power Reactive = *-12,734 var*
 Frequency Voltage = *50,001 Hz*
 THD = *28,355 %*

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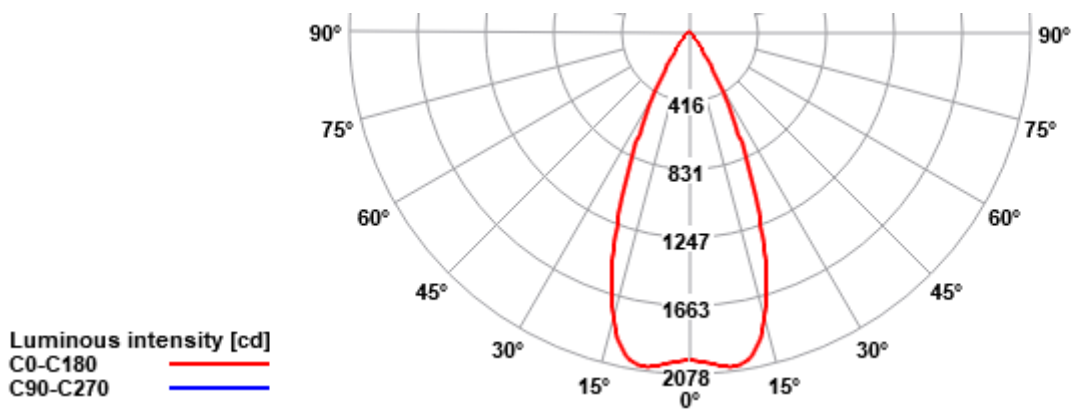
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminaire flux)	1232,50 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	2057,72 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	56,61 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3115
y	0,3239
Angular Colour Uniformity	0,0095

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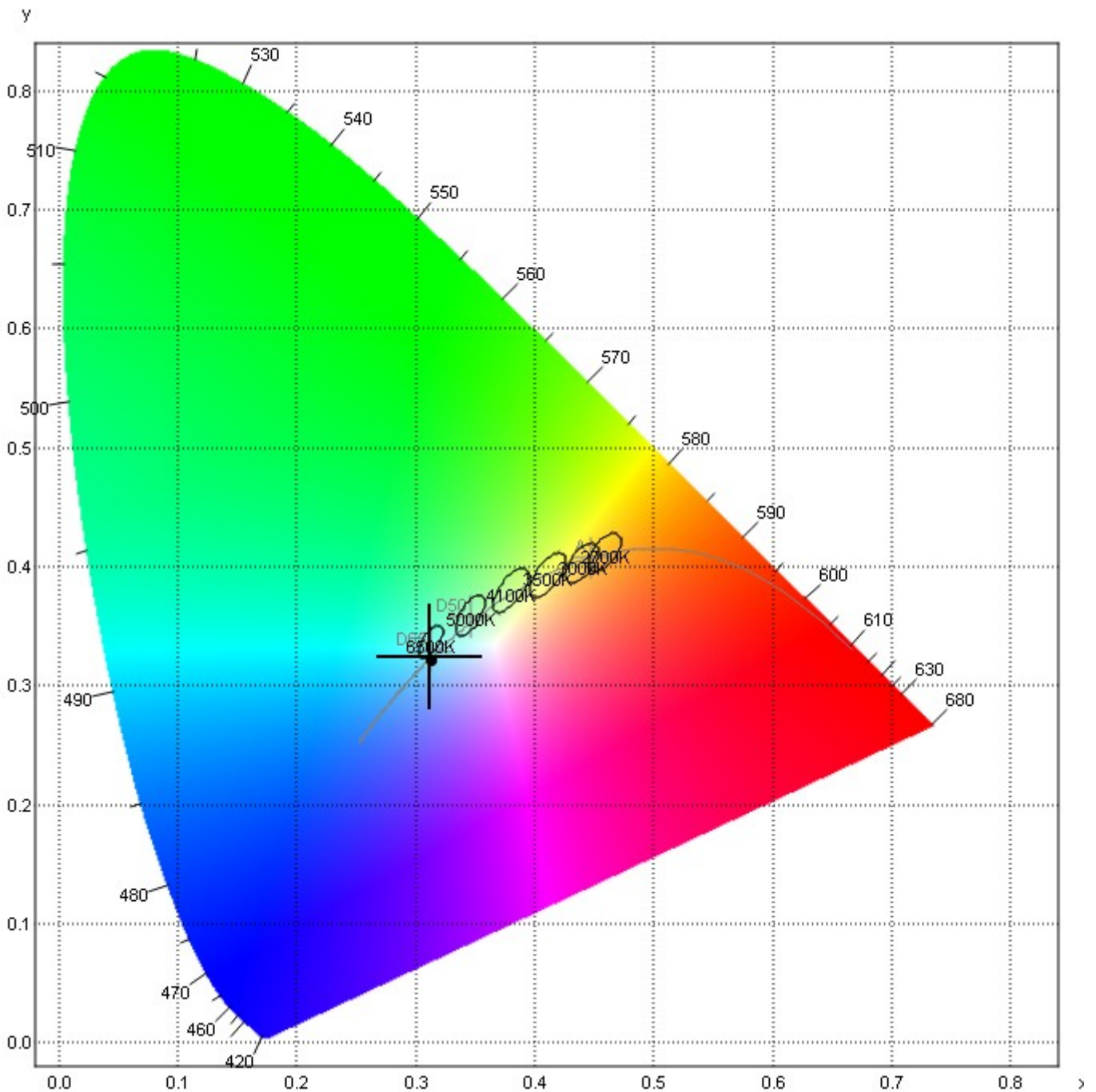
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Beam cone

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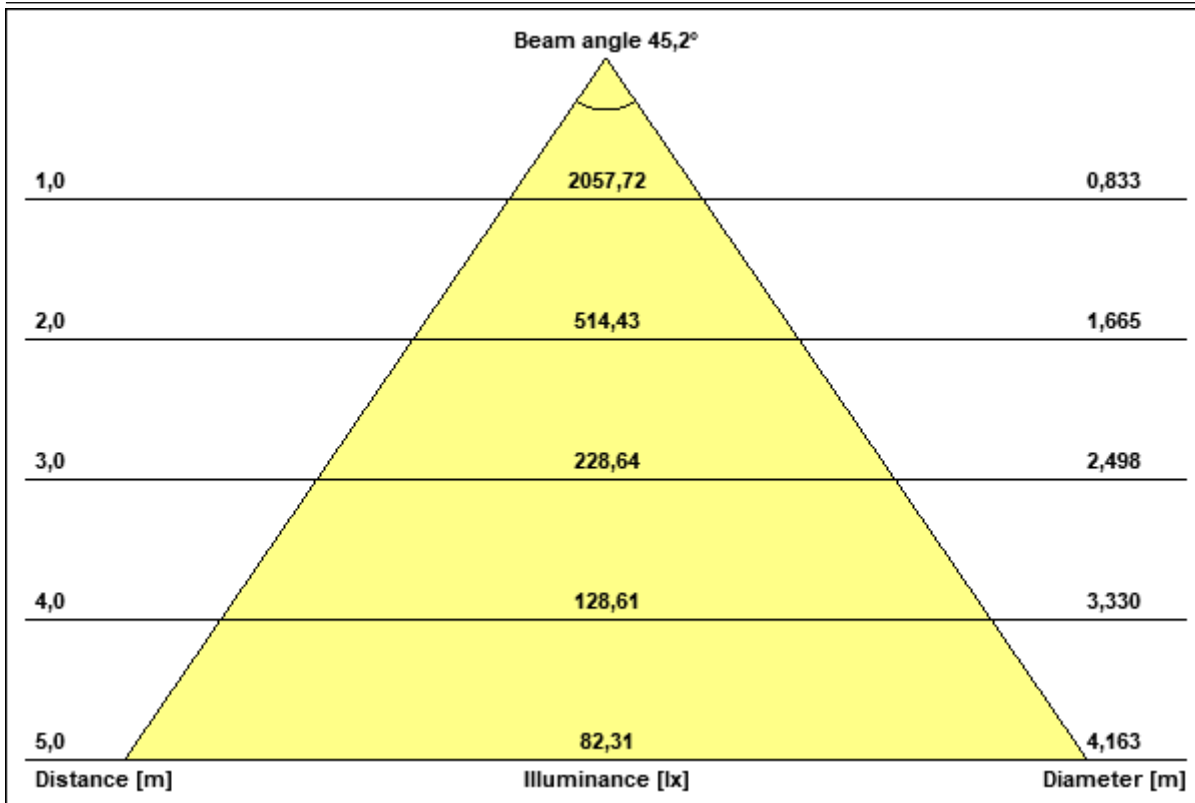
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Stabilization

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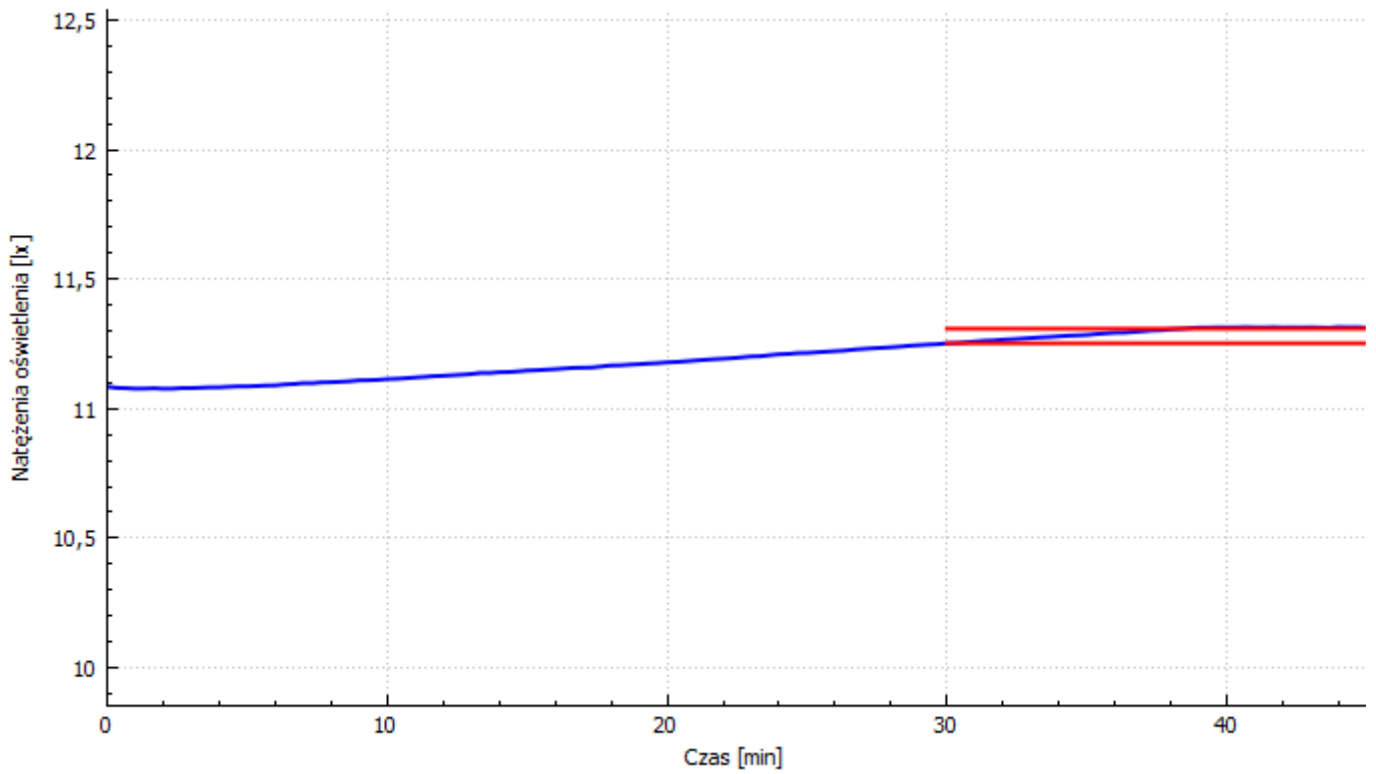
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3D Chart

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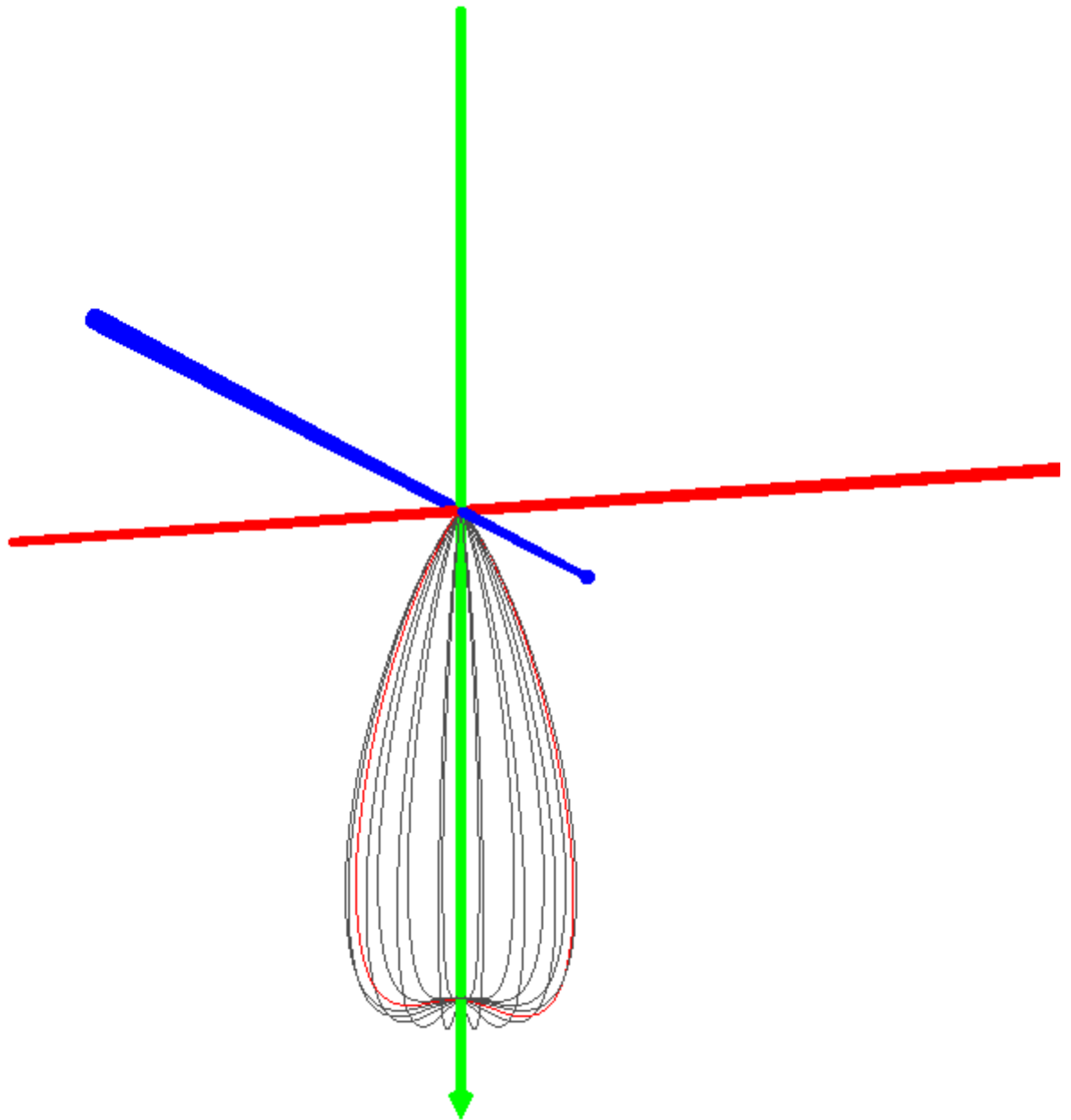
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

P(%f)

**Ext
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0	0,00181	0,200	1,62e-06
1	100,000	100,000	100,000
2	0,00379	0,485	-8,82e-06
3	0,00598	20,527	0,000535
4	0,00173	0,412	-5,71e-07
5	0,00301	13,387	0,000533
6	0	0,352	-5,29e-08
7	0,00394	7,690	0,000147
8	0	0,331	2,04e-07
9	0,00379	4,338	0,000103
10	0	0,301	0
11	0,00645	5,000	0,000152
12	0	0,340	2,43e-07
13	0,00527	2,524	4,15e-05
14	0	0,378	0
15	0,00476	3,550	4,12e-05
16	0	0,316	6,1e-09
17	0,00225	2,487	-1,14e-05
18	0	0,268	1,2e-07
19	0,00287	2,243	-3,17e-05
20	0	0,331	3,34e-07
21	0,007	3,245	-2,35e-05

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22	0,00106	0,364	-9,73e-08
23	0,00168	1,918	1,76e-05
24	0	0,373	-1,08e-07
25	0,00443	3,301	2,23e-05
26	0,000894	0,376	1,42e-07
27	0,00766	3,371	2,96e-05
28	0,00116	0,315	1,9e-08
29	0,00756	2,924	2,17e-05
30	0,0012	0,319	1,86e-07
31	0,0072	3,121	9,13e-05
32	0,00126	0,383	9,46e-09
33	0,00544	2,539	3,38e-05
34	0,00122	0,346	1,61e-07
35	0,00785	3,238	5,02e-05
36	0,00116	0,269	3,07e-07
37	0,005	2,002	3,91e-05
38	0,0012	0,273	-3,71e-07
39	0,00467	2,026	5,07e-05
40	0,00129	0,292	-3,08e-07
41	0,00249	1,550	2,98e-05
42	0,00121	0,345	4,84e-08
43	0,00292	1,132	5,3e-06
44	0,0021	0,392	9,38e-07
45	0,0031	1,093	1,05e-06
46	0,00152	0,359	4,52e-07
47	0,00507	0,826	-1,69e-05
48	0,00142	0,361	1,55e-07
49	0,00527	0,716	-2,2e-05
50	0,00204	0,387	2,79e-07

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