

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Mitus Track Magnetic 18W CCT Switch*
Item No: *AZ6257*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6257_6000*
LuminaireName: *Alfa Mitus Track Magnetic 2Line 18W CCT Switch*
LuminaireNumber: *AZ6257*
FileName: *AZ6257_6000.ldt*
Date: *2024-09-23*

Dimensions of luminaire

Length: *155 mm*
Width: *0 mm*
Height: *125 mm*

Dimensions of luminous area

Length: *150 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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Raiffeisen Bank Polska S.A.

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: *1713,21 lm*
 Color temperatur: *6439 K*
 Color rendering index: *93,84*
 Wattage including ballast: *20,16 W*

Utilization factors:

$k = 0.60$	<i>0,305</i>
$k = 0.80$	<i>0,390</i>
$k = 1.00$	<i>0,465</i>
$k = 1.25$	<i>0,538</i>
$k = 1.50$	<i>0,595</i>
$k = 2.00$	<i>0,682</i>
$k = 2.50$	<i>0,731</i>
$k = 3.00$	<i>0,768</i>
$k = 4.00$	<i>0,819</i>
$k = 5.00$	<i>0,851</i>

Electrical parameters

U = *229,644 V*
 I = *0,103 A*
 P = *20,162 W*
 Power factor = *0,849*

Power apparent = *23,742 VA*
 Power Reactive = *-12,532 var*
 Frequency Voltage = *50,002 Hz*
 THD = *30,912 %*

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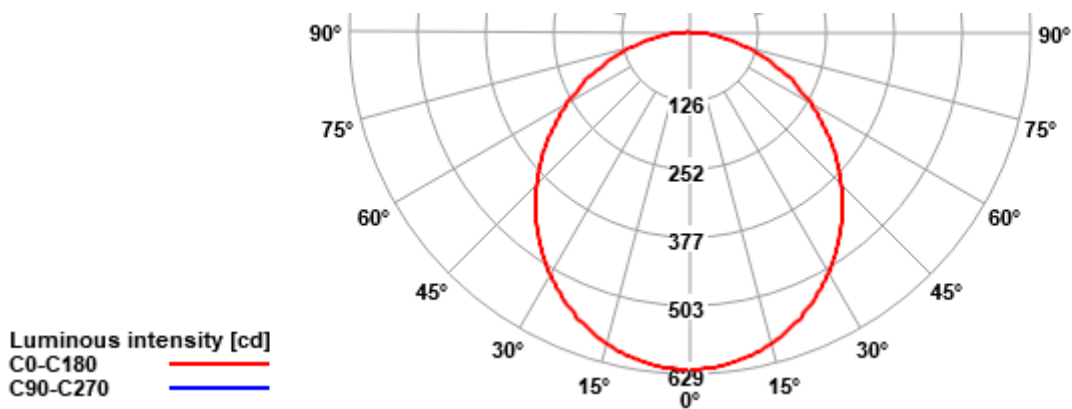
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminaire flux)	1713,21 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	622,59 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	84,98 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3151
y	0,3200
Angular Colour Uniformity	0,0018

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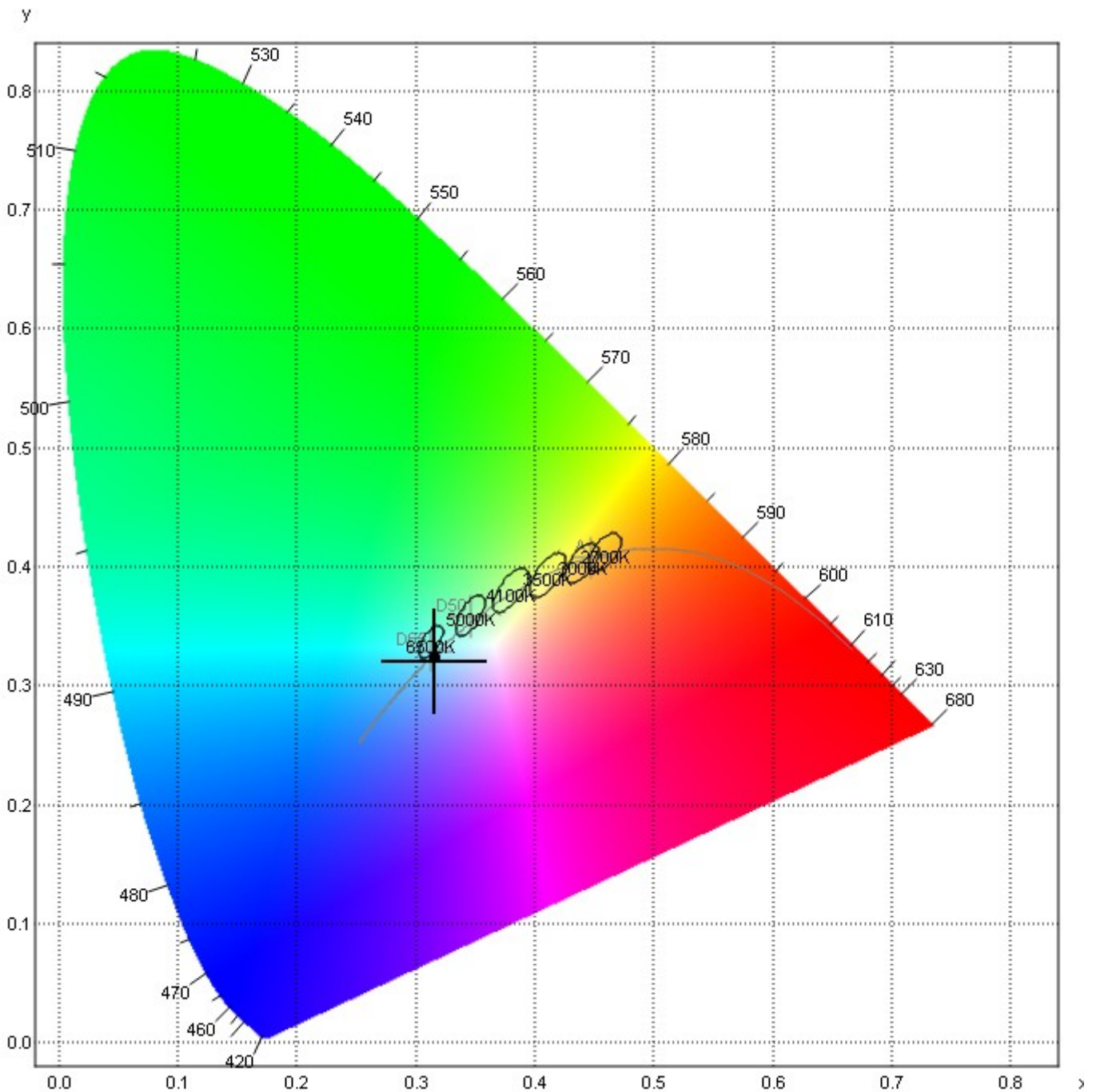
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Beam cone

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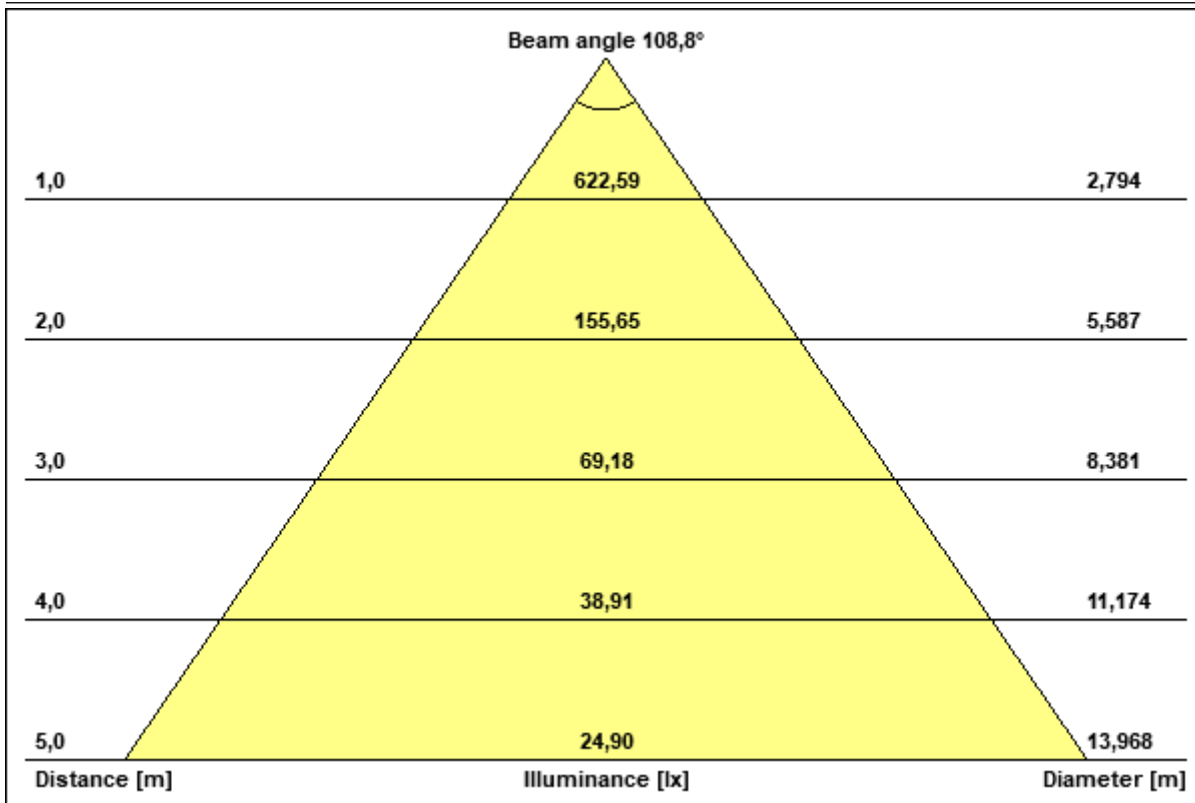
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Stabilization

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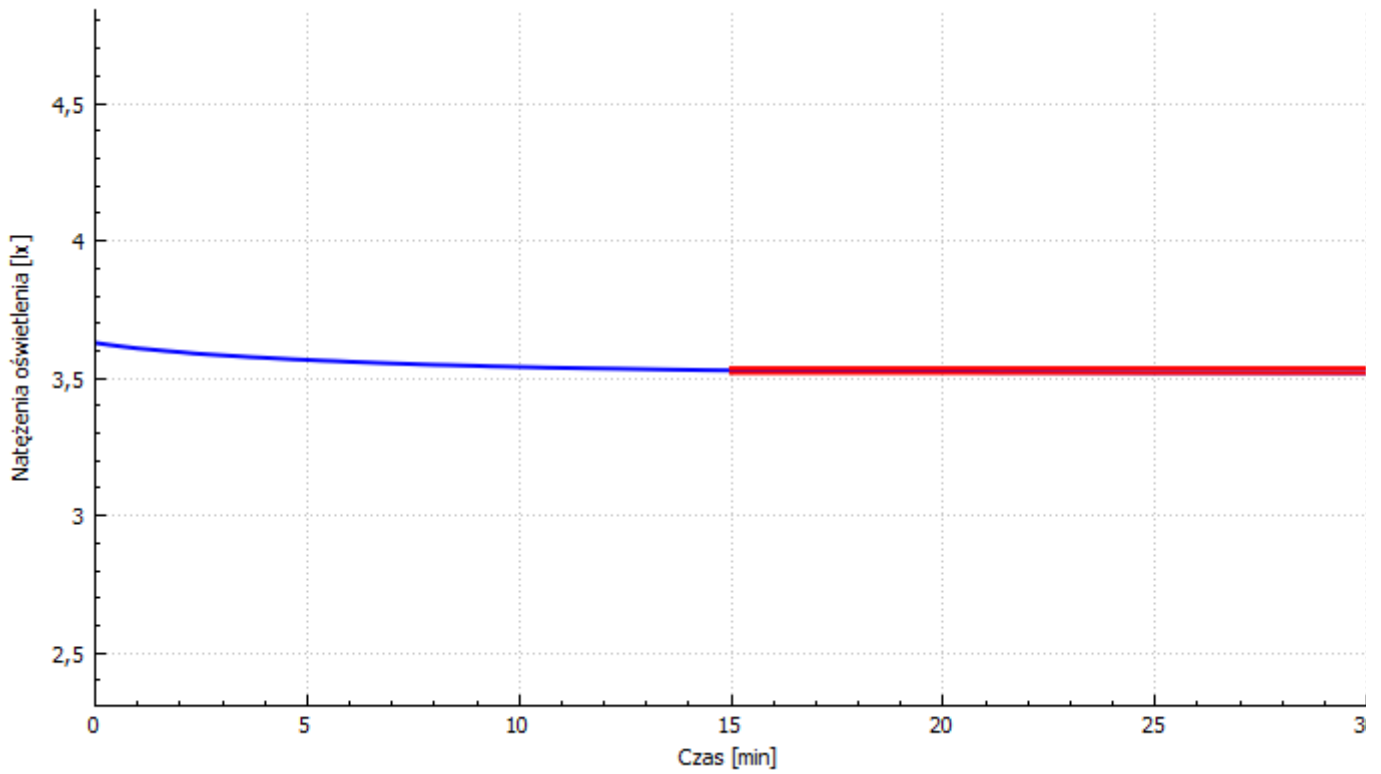
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3D Chart

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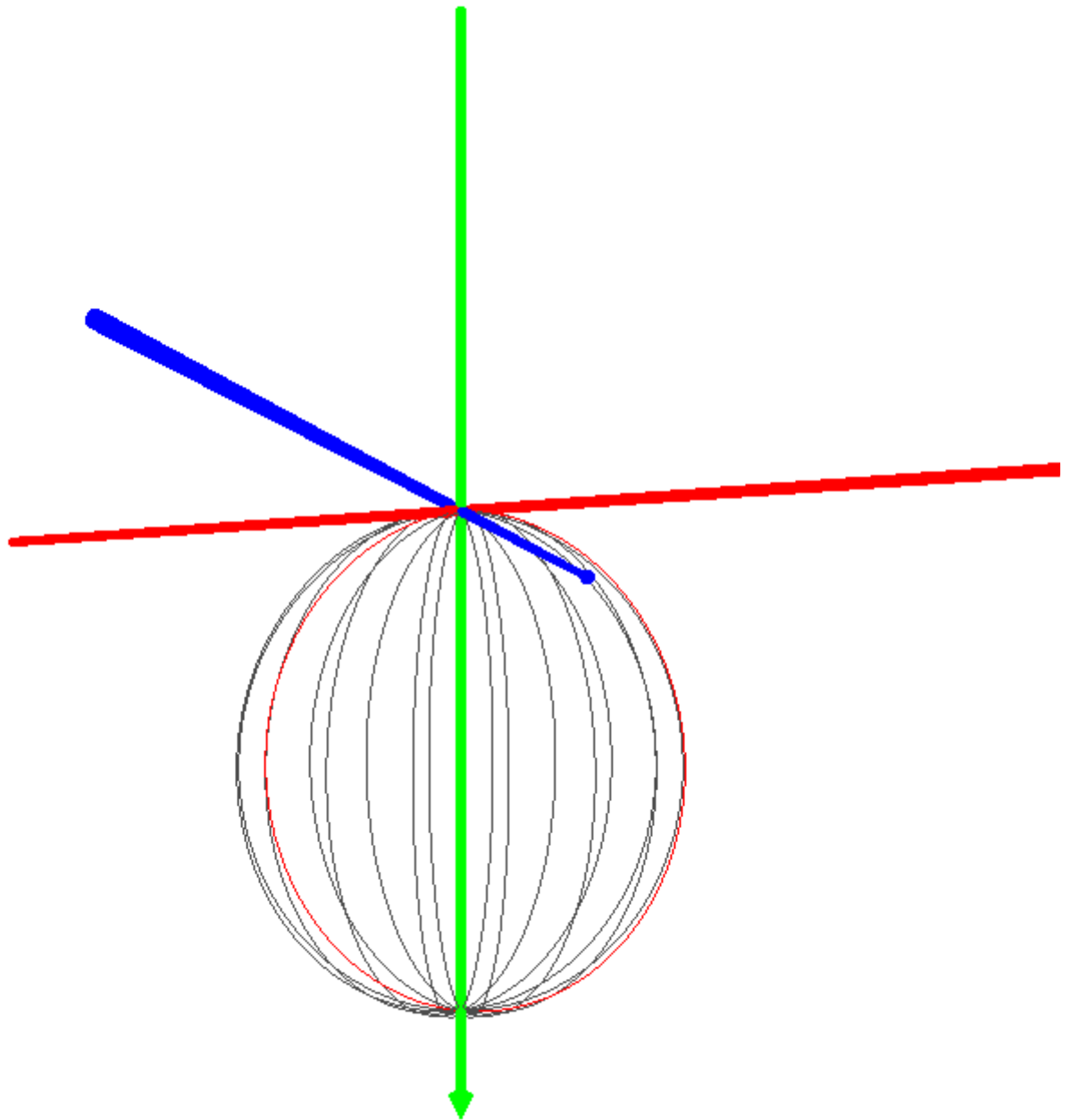
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

P(%f)

**Ext
end
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rep
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	U(%f)	I(%f)	P(%f)
0	0	0,183	0
1	100,000	100,000	100,000
2	0,00335	0,485	5,38e-06
3	0,00698	22,585	0,000971
4	0,00197	0,309	-1,16e-06
5	0,00313	13,998	0,000683
6	0,00131	0,264	-1,73e-06
7	0,00392	8,417	0,000359
8	0	0,328	0
9	0,00305	3,511	0,00014
10	0	0,282	0
11	0,00703	6,150	0,000303
12	0	0,445	0
13	0,00497	2,924	0,00012
14	0	0,306	0
15	0,00382	3,061	0,000119
16	0	0,336	0
17	0,00274	2,890	-5,83e-06
18	0	0,382	0
19	0,00274	1,809	-1,4e-05
20	0,000835	0,403	-2,64e-06
21	0,00663	3,346	2,04e-05

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22	0	0,384	0
23	0	2,443	0
24	0	0,403	0
25	0,00543	3,561	-5,06e-05
26	0,00115	0,456	-2,24e-06
27	0,00929	3,795	5,38e-07
28	0,00127	0,382	2,91e-07
29	0,00639	3,035	-3,18e-06
30	0,00139	0,451	-3,19e-07
31	0,00747	3,719	1,93e-05
32	0	0,383	0
33	0,00658	2,384	1,6e-06
34	0,00111	0,487	-2,96e-06
35	0,00782	3,238	1,32e-05
36	0,00131	0,360	-9,36e-07
37	0,00319	1,860	4,91e-06
38	0,0015	0,342	-3,12e-07
39	0,00335	1,950	-2,13e-05
40	0	0,430	0
41	0,0024	1,587	8,1e-06
42	0	0,381	0
43	0,00111	0,560	-4,26e-06
44	0,0013	0,298	-1,41e-06
45	0,00337	1,143	-1,87e-05
46	0,00162	0,328	-1,9e-06
47	0,00617	1,210	1,36e-06
48	0,00197	0,394	-2,54e-06
49	0,00587	1,029	3,13e-05
50	0,0011	0,373	2,06e-06

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