

# GL GONIOSPECTROMETER MEASUREMENT TAG LIST

## Report Wizard Sample Description Lines

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Client name: *Azzardo Lighting*  
Model name: *Alfa Saga Track 12W Smart*  
Item No: *AZ4846*  
Serial No.:  
Made by: *A. Nawrot*

## Eulumdat Fields

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### Dimensions of luminaire

Company: *Azzardo*  
Report number: *AZ4846-6000K*  
LuminaireName: *Alfa Saga Track 12W Smart*  
LuminaireNumber: *AZ4846-6000K*  
FileName: *AZ48466000K.Idt*  
Date: *2024-06-07*

### Dimensions of luminaire

Length: *300 mm*  
Width: *22 mm*  
Height: *60 mm*

### Dimensions of luminous area

Length: *297 mm*  
Width: *19 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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SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

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Type of lamps: *LED*  
Total luminous flux: *507,22 lm*  
Color temperatur: *6177 K*  
Color rendering index: *84,59*  
Wattage including ballast: *12,85 W*

### Utilization factors:

k = 0.60	<i>0,301</i>
k = 0.80	<i>0,387</i>
k = 1.00	<i>0,463</i>
k = 1.25	<i>0,537</i>
k = 1.50	<i>0,595</i>
k = 2.00	<i>0,683</i>
k = 2.50	<i>0,732</i>
k = 3.00	<i>0,770</i>
k = 4.00	<i>0,821</i>
k = 5.00	<i>0,853</i>

### Electrical parameters

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<i>U</i>	<i>= 229,671 V</i>
<i>I</i>	<i>= 0,183 A</i>
<i>P</i>	<i>= 12,854 W</i>
<i>Power factor</i>	<i>= 0,309</i>

<i>Power apparent</i>	<i>= 41,684 VA</i>
<i>Power Reactive</i>	<i>= -39,700 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 294,554 %</i>

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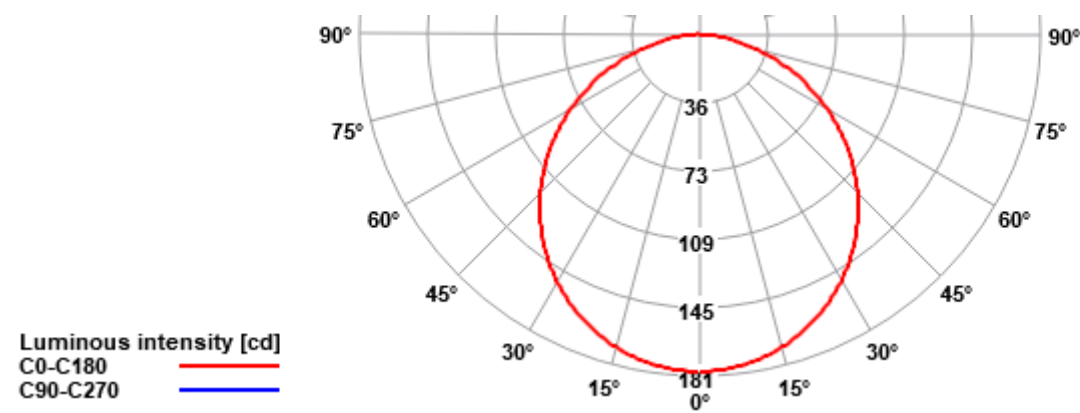
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	507,22 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	179,50 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	39,47 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3178
y	0,3404
Angular Colour Uniformity	0,0014

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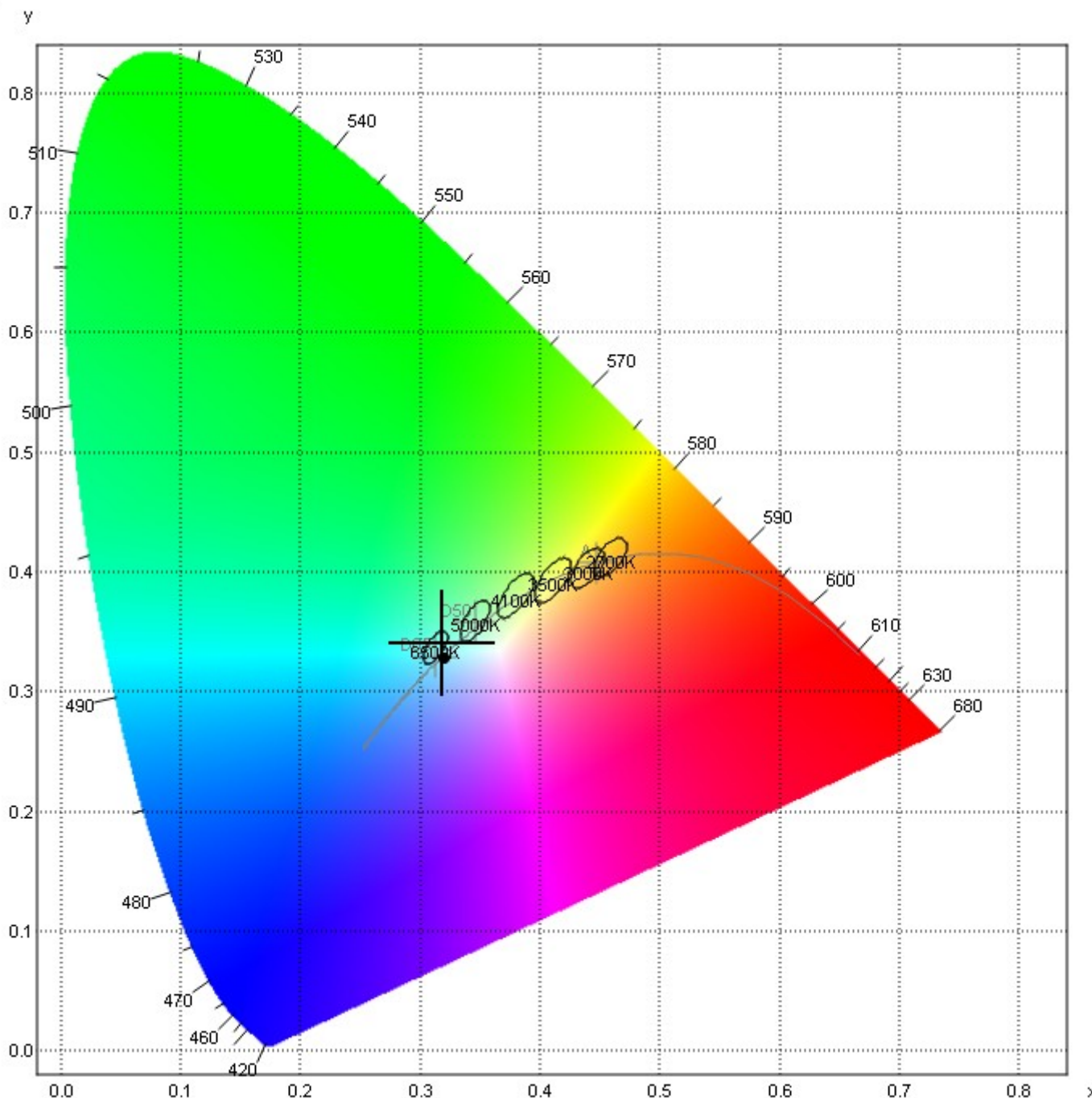
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## Beam cone

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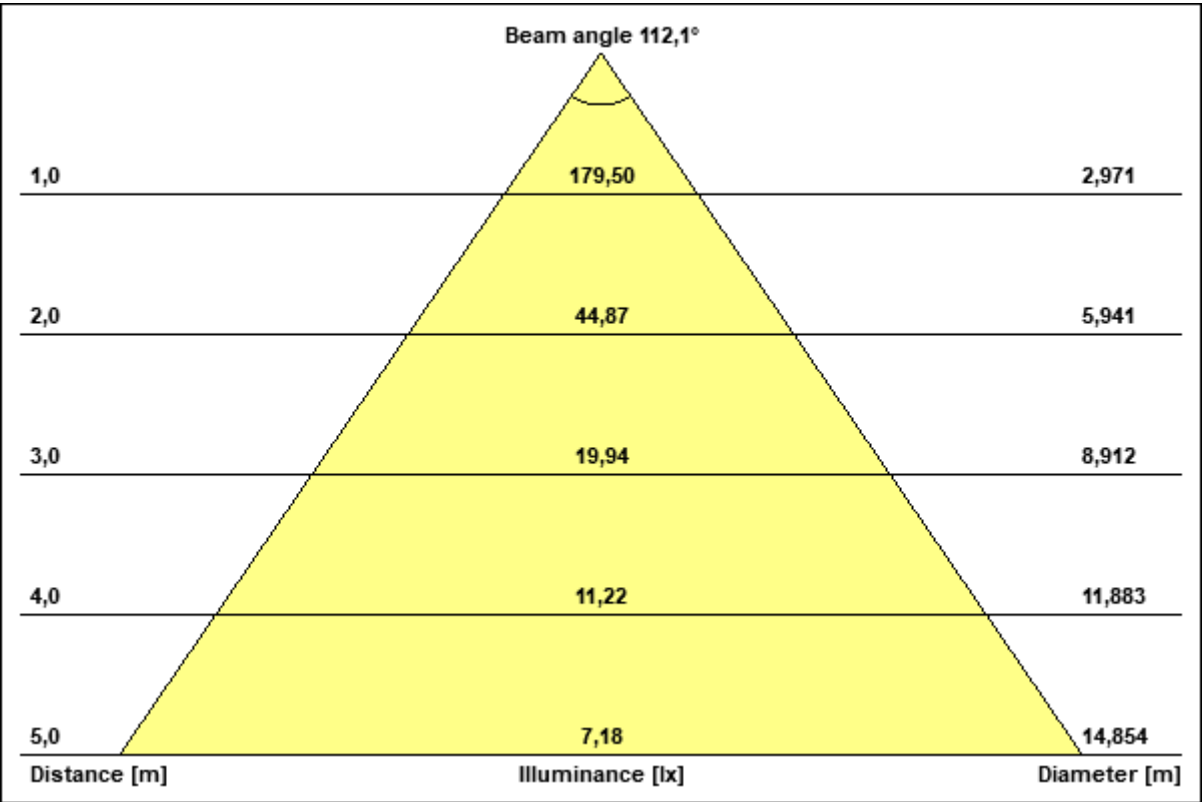
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## Stabilization

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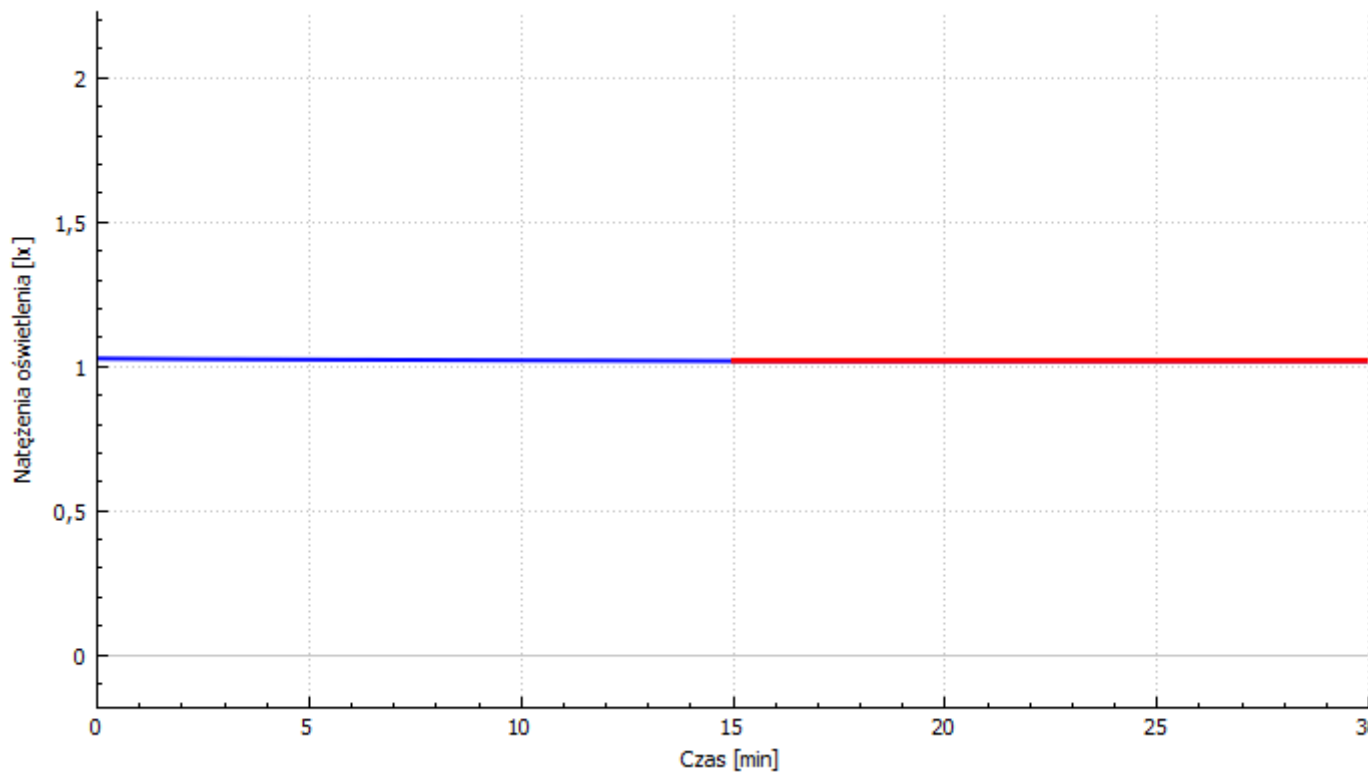
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### 3D Chart

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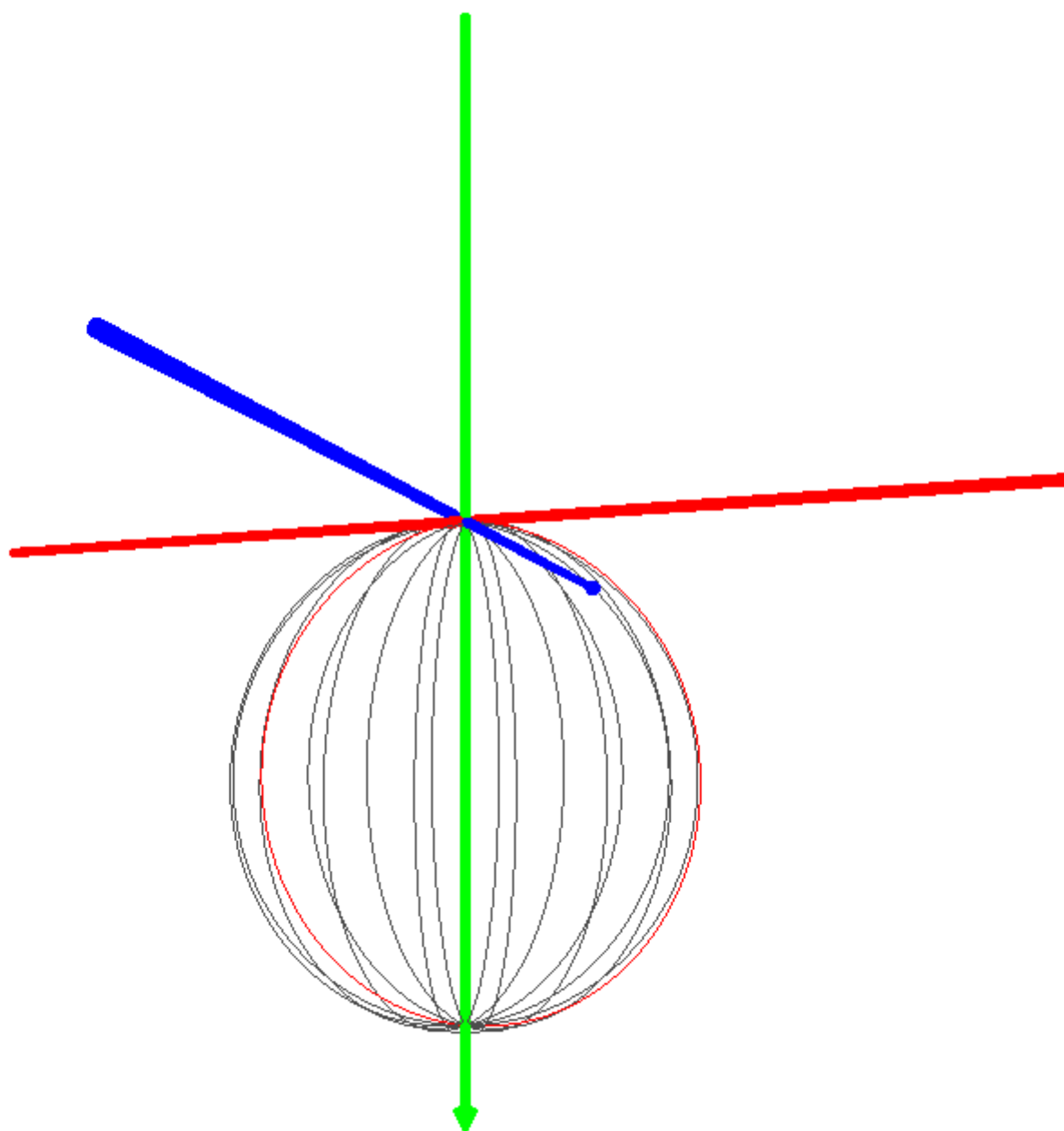
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## Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

Ext  
end  
ed  
elec  
tric  
al  
rep  
ort

			P(%f)
0	0,0224	6,057	0,00274
1	100,000	100,000	100,000
2	0,00754	10,079	0,00183
3	0,0558	95,260	0,0557
4	0,00744	10,146	0,00262
5	0,0594	93,992	0,054
6	0,00644	10,256	0,00236
7	0,0528	92,068	0,045
8	0,00692	10,371	0,00236
9	0,0574	89,504	0,0438
10	0,00642	10,495	0,00245
11	0,0628	86,399	0,044
12	0,00723	10,593	0,00245
13	0,0593	82,763	0,0371
14	0,00828	10,656	0,00259
15	0,0621	78,686	0,0341
16	0,00942	10,666	0,0025
17	0,0639	74,231	0,0307
18	0,00958	10,589	0,00244
19	0,0623	69,454	0,0256
20	0,00925	10,424	0,0022
21	0,0639	64,461	0,0228

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22	0,00998	10,168	0,00202
23	0,0637	59,309	0,0194
24	0,0103	9,828	0,0021
25	0,0586	54,045	0,0148
26	0,0104	9,403	0,00185
27	0,055	48,779	0,0115
28	0,0108	8,887	0,00167
29	0,0526	43,590	0,00924
30	0,0105	8,309	0,00138
31	0,0477	38,519	0,00735
32	0,00991	7,660	0,00114
33	0,0461	33,691	0,00584
34	0,00962	6,957	0,000971
35	0,0423	29,111	0,0043
36	0,00929	6,249	0,000773
37	0,0366	24,828	0,0029
38	0,00843	5,521	0,000591
39	0,0327	20,951	0,00198
40	0,00764	4,810	0,000387
41	0,0296	17,483	0,00149
42	0,00668	4,138	0,00026
43	0,0241	14,473	0,0009
44	0,00541	3,517	0,000155
45	0,0198	11,996	0,000545
46	0,00497	2,999	0,000132
47	0,0195	10,087	0,000501
48	0,00439	2,596	0,00011
49	0,0158	8,678	0,000226
50	0,005	2,350	8,84e-05

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