

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*

Model name: *Wheel 6*

Item No: *AZ2921*

Serial No.:

Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *AZ2921*

LuminaireName: *Wheel 6*

LuminaireNumber: *AZ2921*

FileName: *AZ2921.ldt*

Date: *2024-08-14*

Dimensions of luminaire

Length: *800 mm*

Width: *0 mm*

Height: *1000 mm*

Dimensions of luminous area

Length: *795 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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REGON 360317241

PL-62-040 Puszczykowo; 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: *1865,35 lm*
Color temperatur: *2693 K*
Color rendering index: *81,39*
Wattage including ballast: *122,28 W*

Utilization factors:

$k = 0.60$	<i>0,133</i>
$k = 0.80$	<i>0,202</i>
$k = 1.00$	<i>0,266</i>
$k = 1.25$	<i>0,336</i>
$k = 1.50$	<i>0,396</i>
$k = 2.00$	<i>0,491</i>
$k = 2.50$	<i>0,557</i>
$k = 3.00$	<i>0,608</i>
$k = 4.00$	<i>0,682</i>
$k = 5.00$	<i>0,731</i>

Electrical parameters

U = *229,625 V*
 I = *1,153 A*
 P = *122,283 W*
Power factor = *0,461*

Power apparent = *264,836 VA*
Power Reactive = *-234,584 var*
Frequency Voltage = *50,002 Hz*
THD = *192,948 %*

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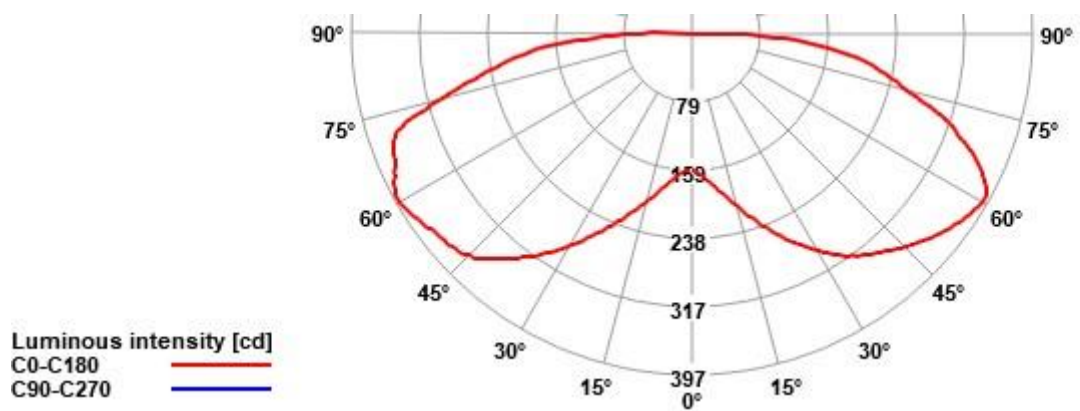
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1865,35 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	413,97 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	15,25 lm/W

Light intensity distribution diagram



CIE 1931 diagram

X	0,4623
y	0,4141
Angular Colour Uniformity	0,0032

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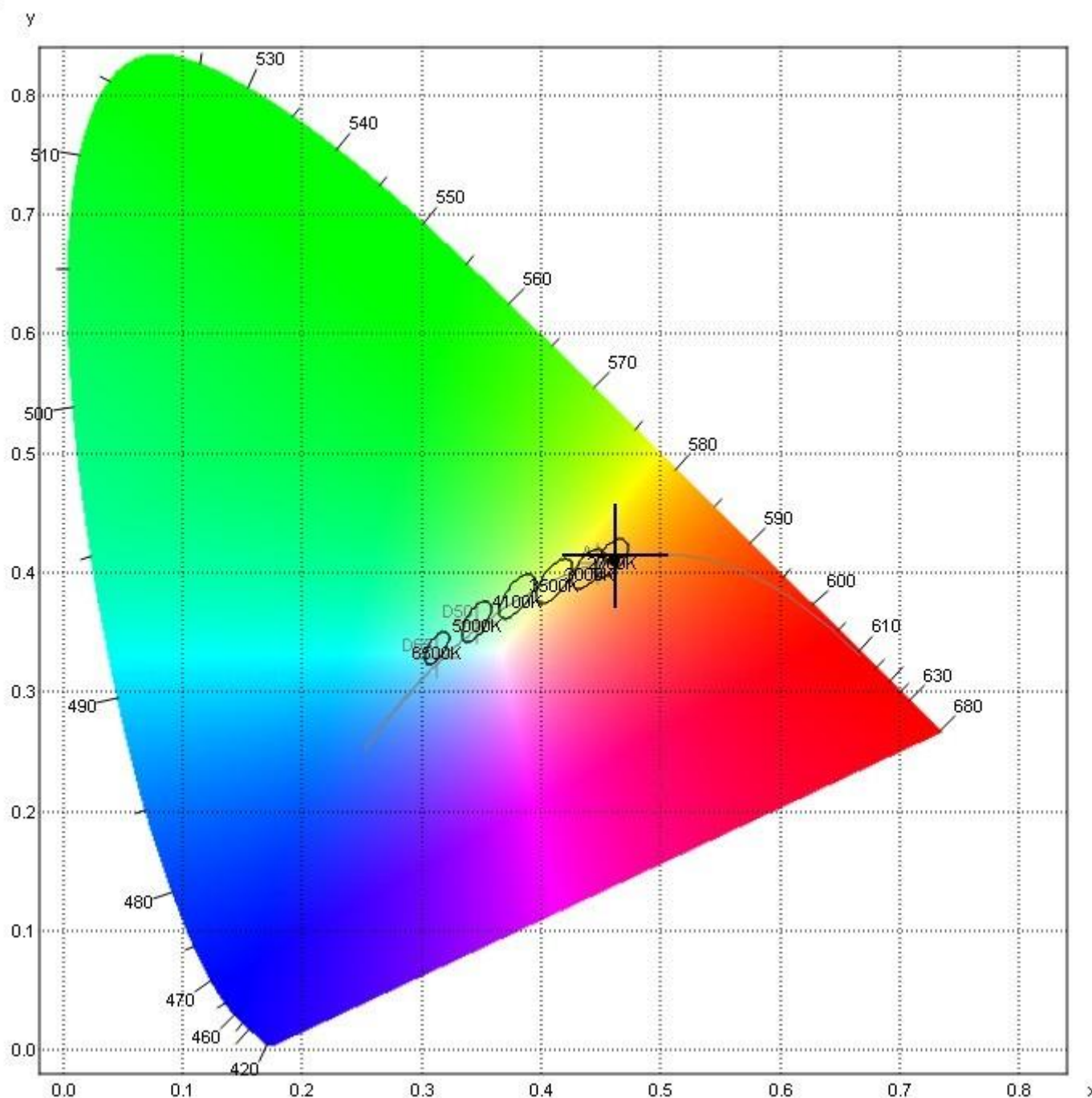
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Beam cone

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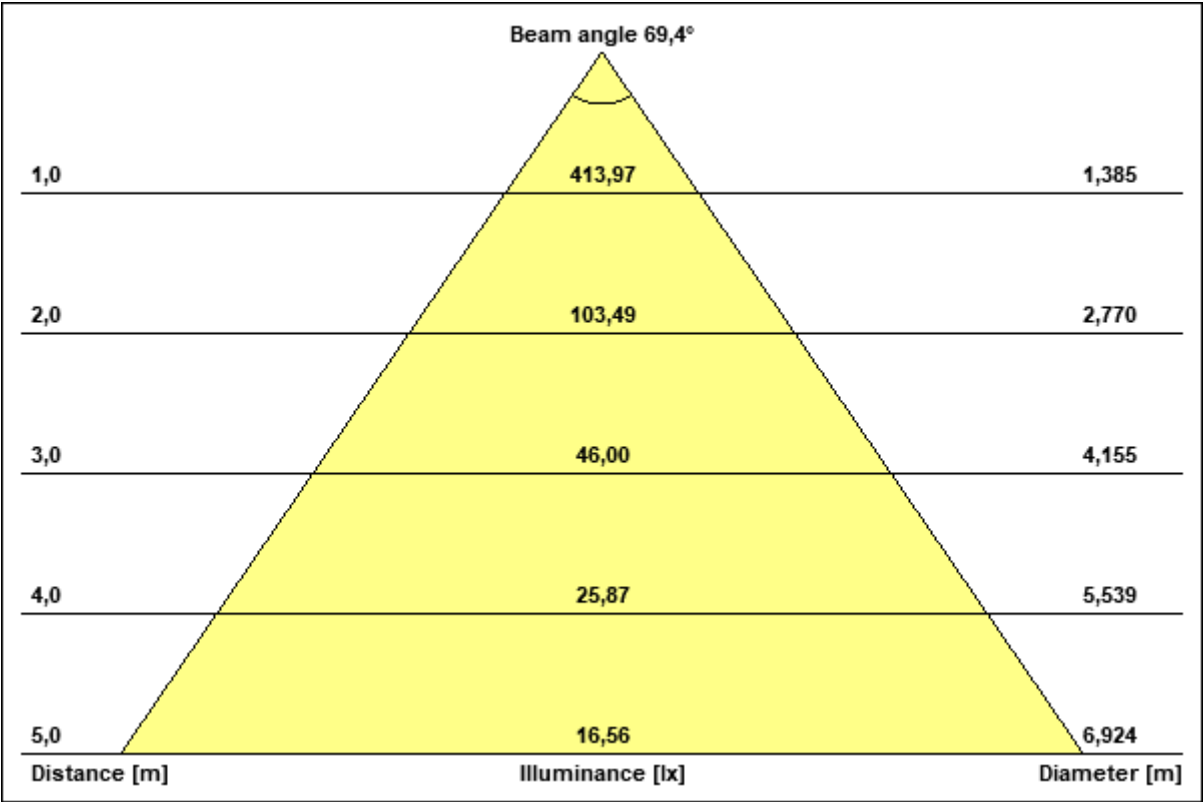
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Stabilization

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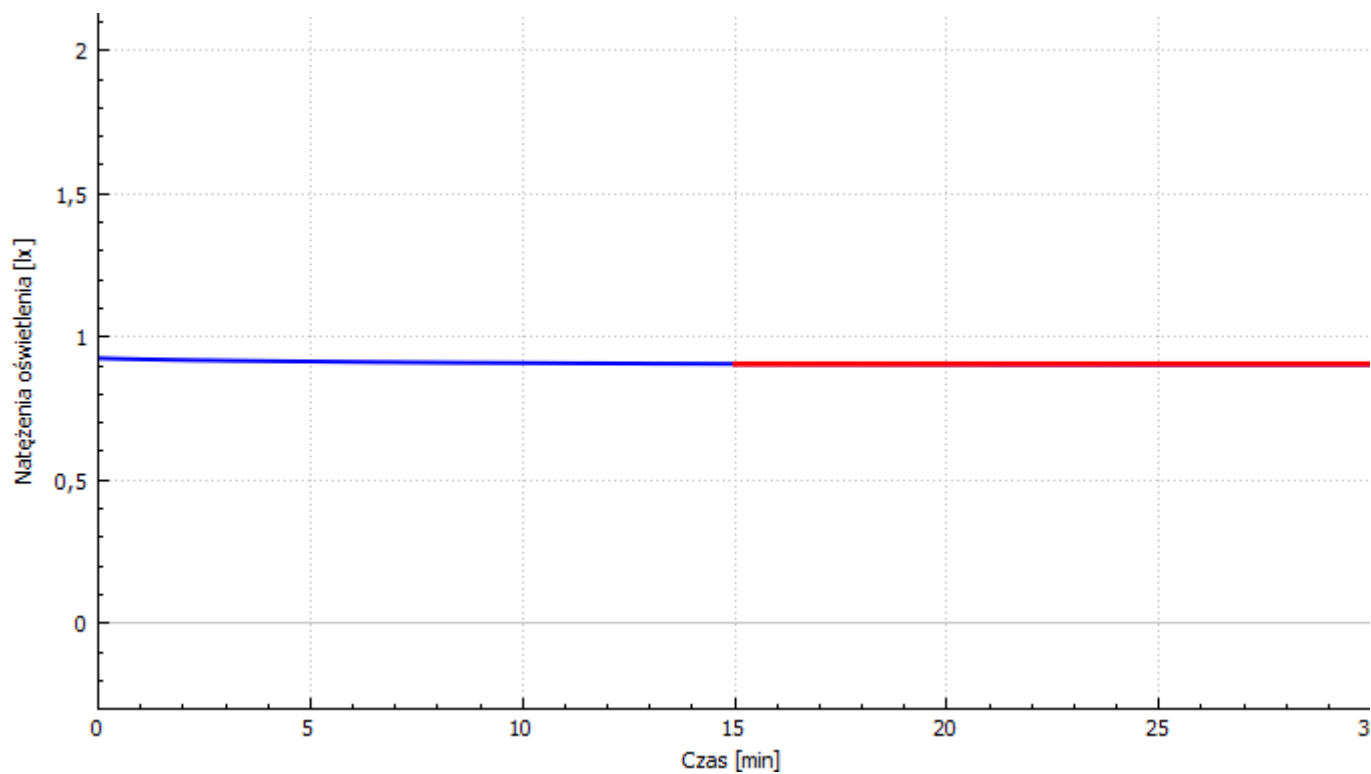
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3D Chart

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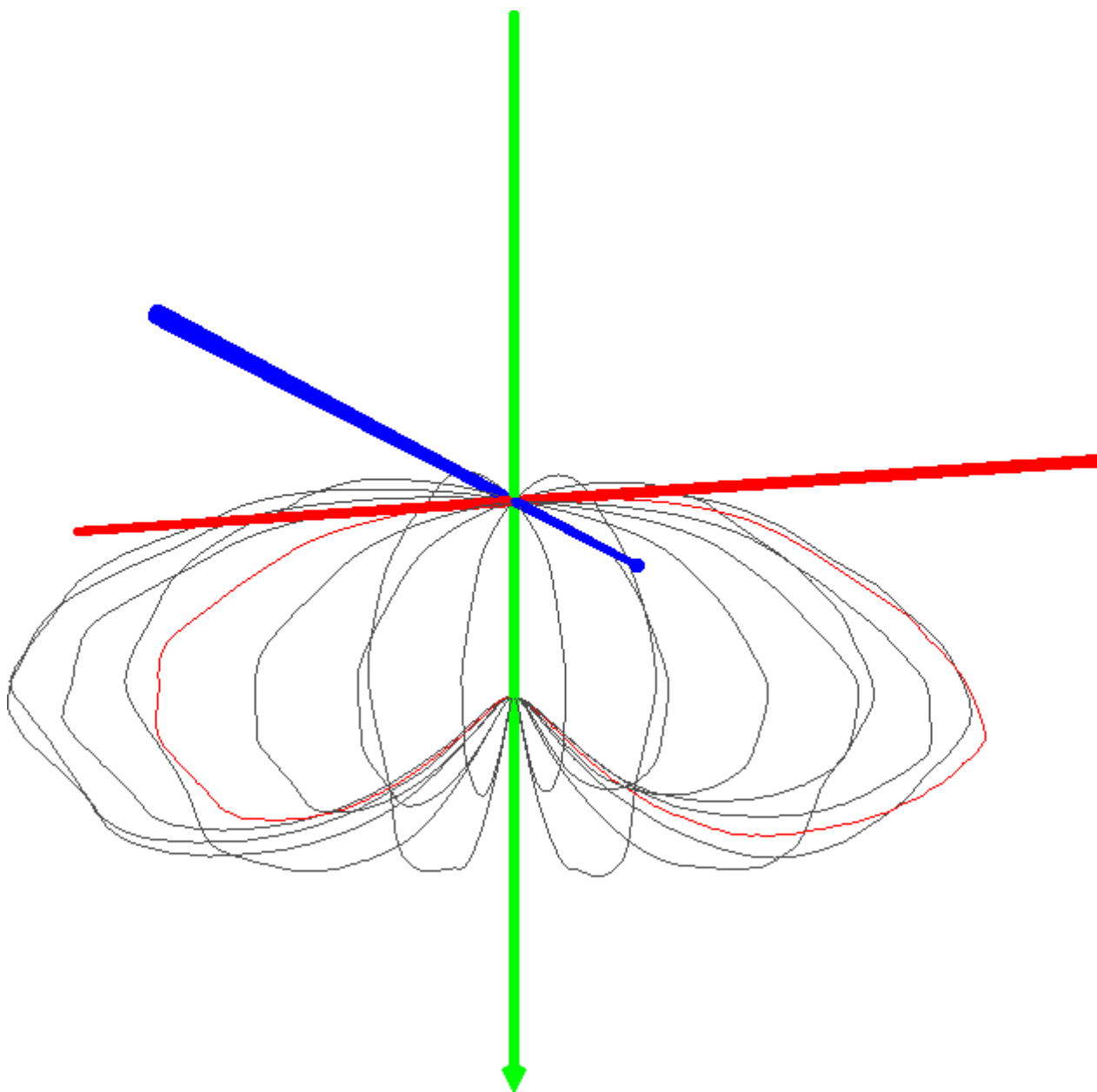
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Legend

- C0-C180

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- C90-C270
- G0-G180

U(%f)

I(%f)

Extended
electrical
report

Ext end ed elec tric al rep ort			U(%f)	I(%f)	P(%f)
0	0,0216	0,563	-9,33e-05		
1	100,000	100,000	100,000		
2	0,0077	1,307	0,000169		
3	0,345	96,011	0,304		
4	0,0113	1,571	0,00019		
5	0,352	90,523	0,265		
6	0,00852	1,839	0,000118		
7	0,346	81,058	0,203		
8	0,01	2,041	0,000105		
9	0,344	70,999	0,149		
10	0,00986	2,137	8,34e-05		
11	0,324	58,458	0,0929		
12	0,0107	2,124	8,46e-05		
13	0,289	45,869	0,0492		
14	0,0111	2,010	8,04e-05		
15	0,245	33,386	0,0185		
16	0,0113	1,826	0,0001		
17	0,194	21,131	0,000732		
18	0,0111	1,623	0,000145		
19	0,138	11,140	-0,00464		
20	0,0102	1,462	0,00015		
21	0,093	3,067	-0,00262		

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22	0,00876	1,396	0,000155
23	0,0671	5,931	0,00306
24	0,00668	1,429	0,000121
25	0,0757	10,585	0,00914
26	0,00902	1,503	0,000118
27	0,095	13,389	0,0129
28	0,00936	1,561	8,63e-05
29	0,109	14,378	0,0142
30	0,0107	1,564	6,4e-05
31	0,112	14,006	0,0126
32	0,0105	1,494	5e-05
33	0,104	12,434	0,00939
34	0,0103	1,360	5,38e-05
35	0,0864	10,102	0,00595
36	0,00915	1,182	5,54e-05
37	0,0645	7,557	0,00296
38	0,00807	0,988	5,92e-05
39	0,0383	4,799	0,000883
40	0,00663	0,811	5,54e-05
41	0,0304	2,653	0,000177
42	0,00529	0,700	6,28e-05
43	0,028	1,156	5,3e-05
44	0,00513	0,682	4,2e-05
45	0,0429	1,899	0,000521
46	0,00705	0,732	3,14e-05
47	0,0478	2,551	0,000994
48	0,00718	0,778	1,97e-05
49	0,0493	3,151	0,00122
50	0,00833	0,790	1,15e-05

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