

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Magnetic27 Irma 12W 3000K*
Item No: *AZ6089*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6089*
LuminaireName: *Alfa Track Magnetic 27 Irma 12W 3000K*
LuminaireNumber: *AZ6089*
FileName: *AZ6089.Idt*
Date: *2024-10-08*

Dimensions of luminaire

Length: *240 mm*
Width: *22 mm*
Height: *65 mm*

Dimensions of luminous area

Length: *238 mm*
Width: *20 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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PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Type of lamps: *LED*
Total luminous flux: *887,36 lm*
Color temperatur: *3102 K*
Color rendering index: *83,02*
Wattage including ballast: *13,02 W*

Utilization factors:

k = 0.60	<i>0,711</i>
k = 0.80	<i>0,756</i>
k = 1.00	<i>0,805</i>
k = 1.25	<i>0,841</i>
k = 1.50	<i>0,869</i>
k = 2.00	<i>0,921</i>
k = 2.50	<i>0,929</i>
k = 3.00	<i>0,943</i>
k = 4.00	<i>0,963</i>
k = 5.00	<i>0,977</i>

Electrical parameters

<i>U</i>	<i>= 229,718 V</i>
<i>I</i>	<i>= 0,183 A</i>
<i>P</i>	<i>= 13,016 W</i>
<i>Power factor</i>	<i>= 0,310</i>

<i>Power apparent</i>	<i>= 42,014 VA</i>
<i>Power Reactive</i>	<i>= -39,959 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 293,645 %</i>

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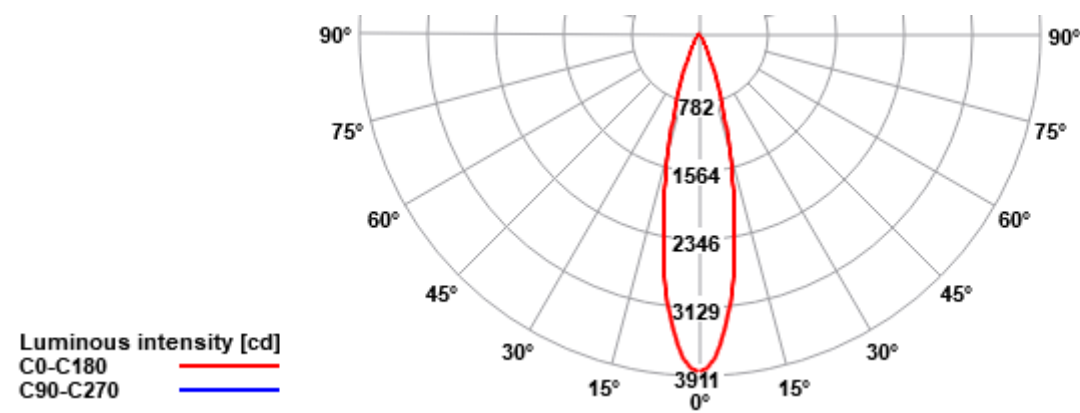
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	887,36 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	3871,95 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	68,15 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4300
y	0,4018
Angular Colour Uniformity	0,0076

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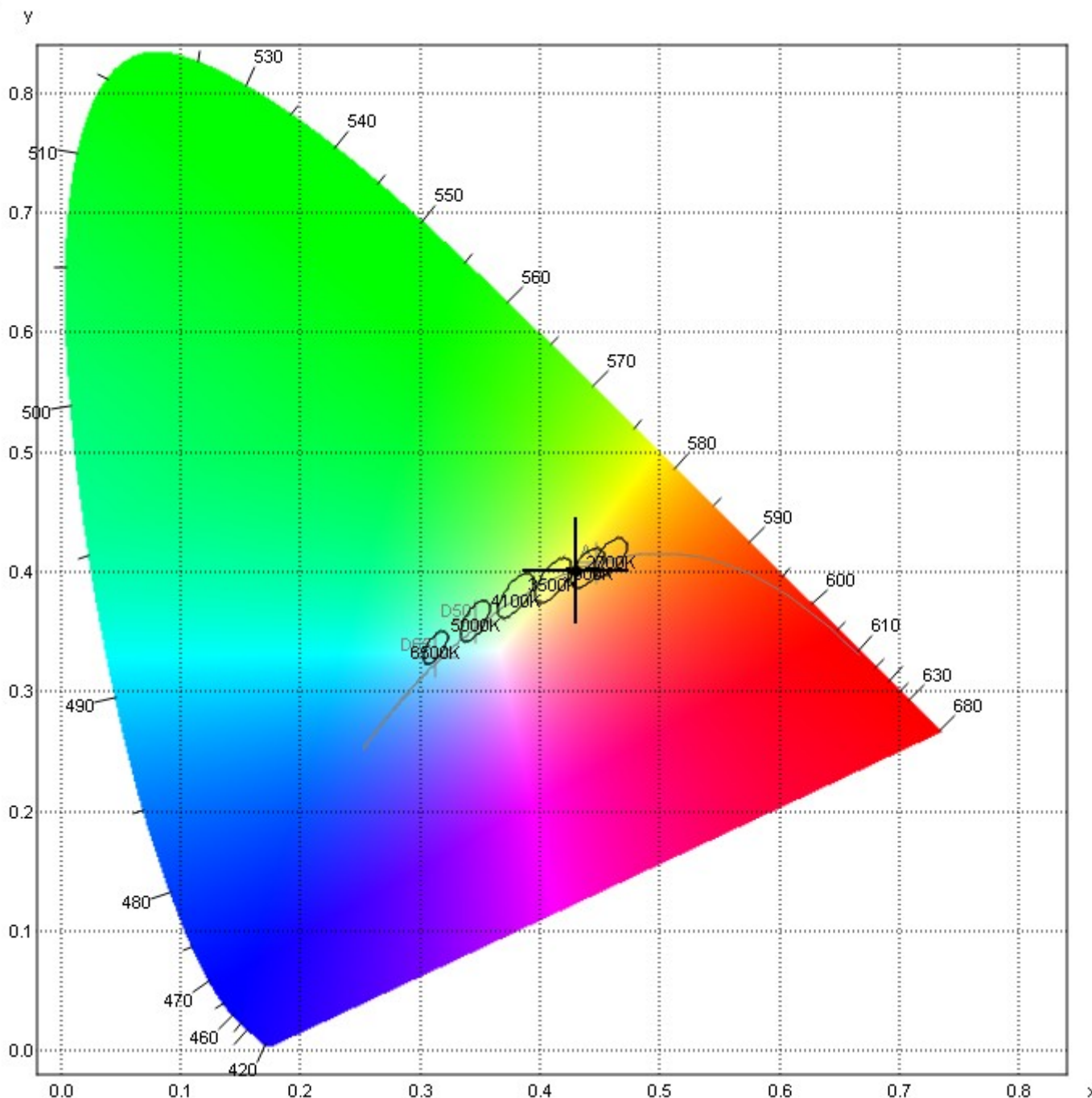
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Beam cone

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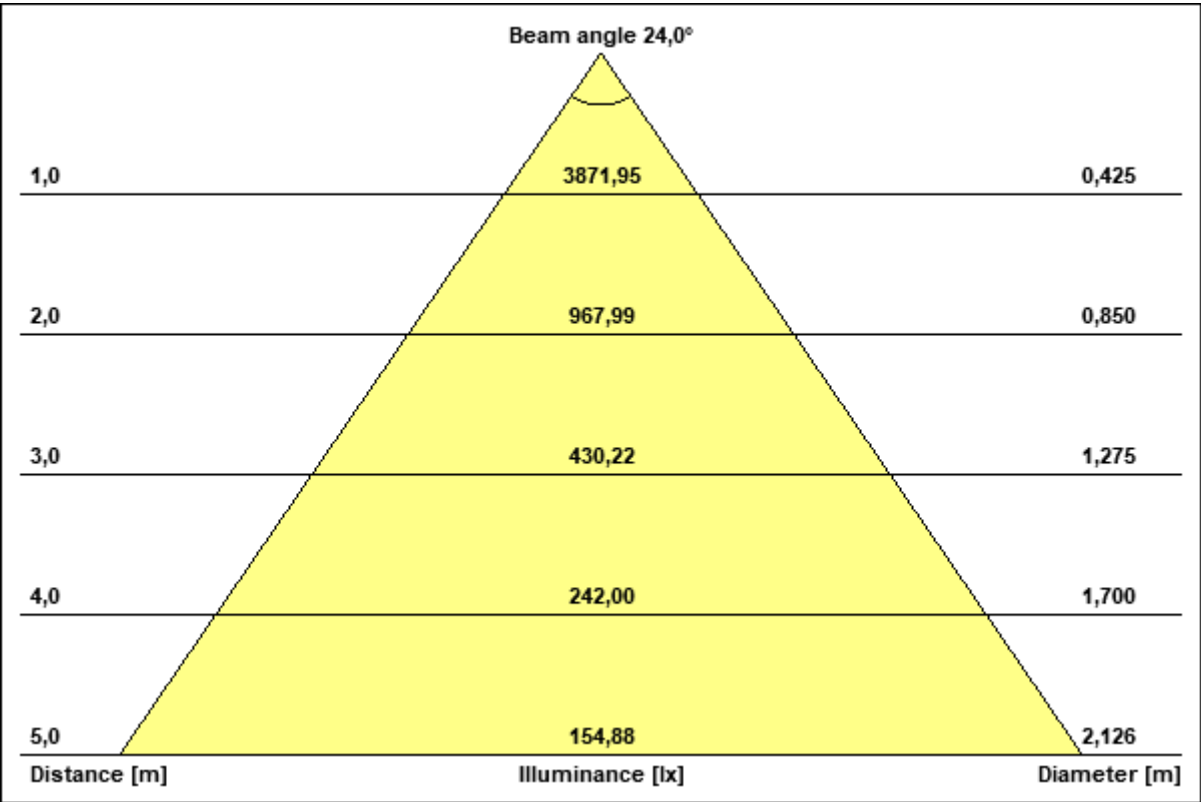
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Stabilization

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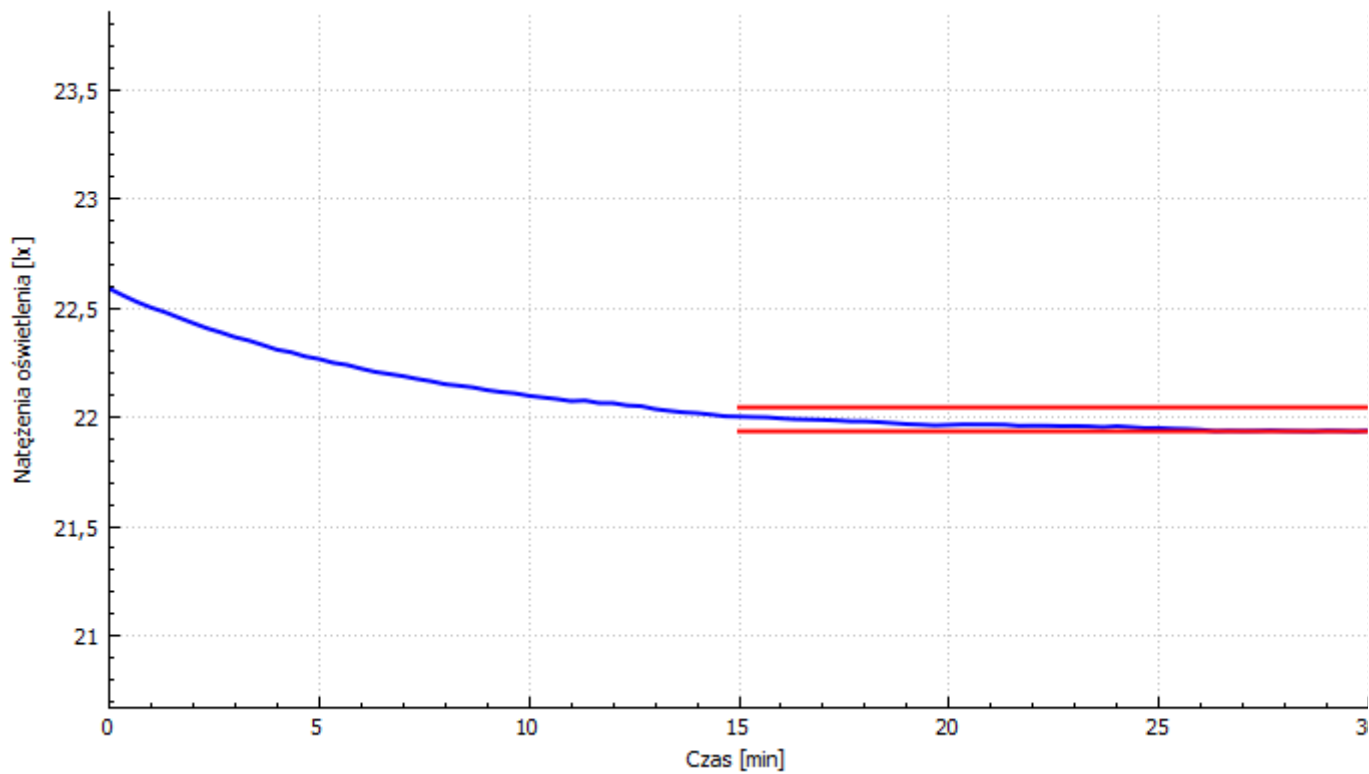
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3D Chart

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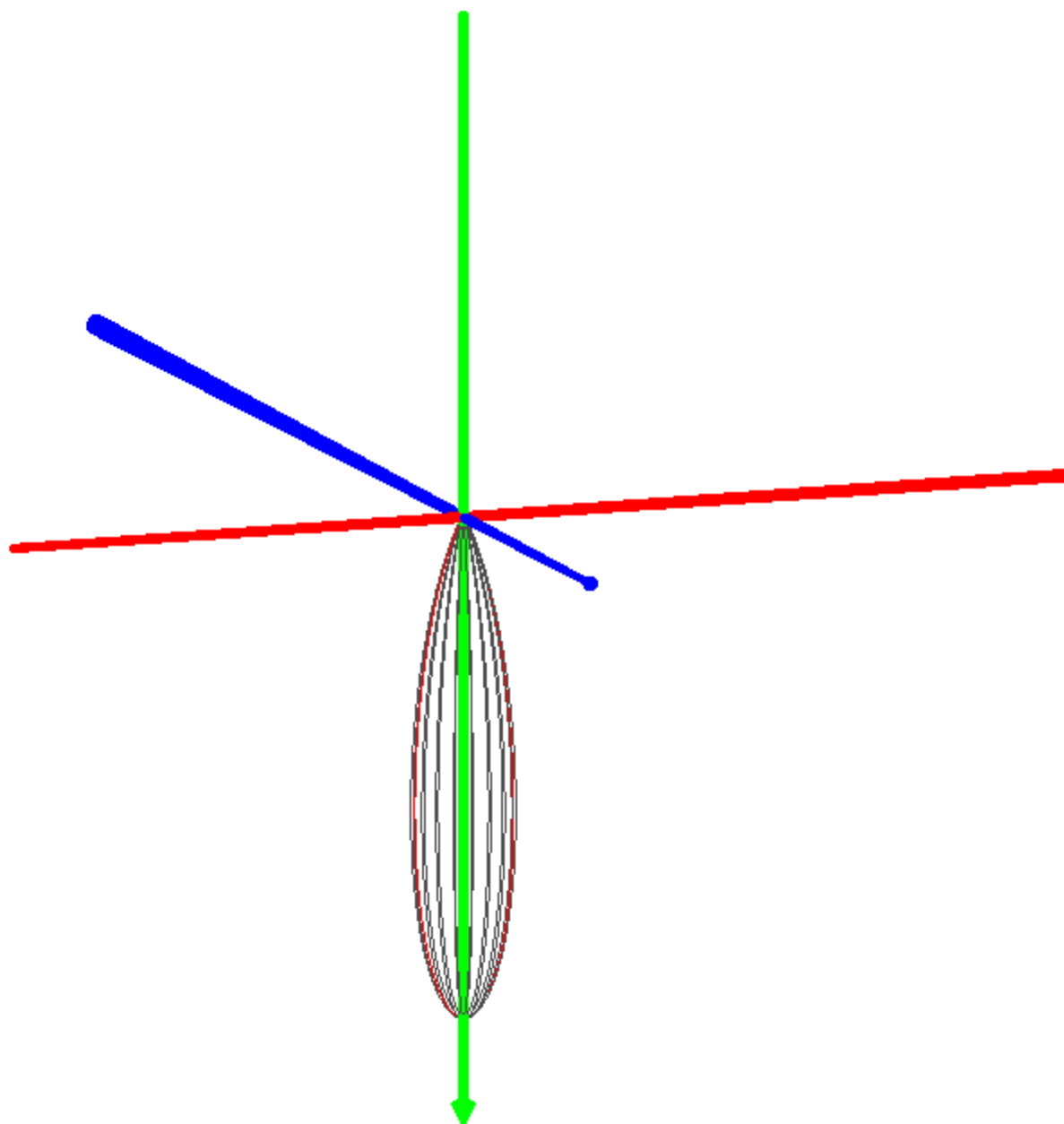
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Legend

- C0-C180

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- C90-C270
- G0-G180

U(%f)

I(%f)

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			P(%f)
0	0,0015	1,664	-0,000189
1	100,000	100,000	100,000
2	0,0109	4,013	0,000281
3	0,0521	95,100	0,058
4	0,00543	4,091	0,00018
5	0,0608	93,805	0,0547
6	0,00374	4,227	0,000101
7	0,0512	91,892	0,0456
8	0,0036	4,392	0,000117
9	0,0578	89,361	0,0455
10	0,00241	4,569	0,000111
11	0,0614	86,318	0,0456
12	0,0039	4,728	0,000157
13	0,0595	82,737	0,0375
14	0,00374	4,874	0,000224
15	0,0611	78,728	0,0348
16	0,00522	4,991	0,000201
17	0,0639	74,325	0,0321
18	0,00469	5,059	0,000197
19	0,0611	69,608	0,0268
20	0,00482	5,079	0,000177
21	0,0637	64,666	0,0239

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22	0,00433	5,045	0,000181
23	0,063	59,562	0,0204
24	0,00535	4,956	0,000195
25	0,0587	54,339	0,0162
26	0,00517	4,829	0,000202
27	0,0544	49,096	0,0126
28	0,00614	4,631	0,000201
29	0,0526	43,924	0,0102
30	0,00527	4,387	0,000158
31	0,0481	38,866	0,00799
32	0,00584	4,116	0,000135
33	0,0468	34,041	0,0064
34	0,00483	3,799	0,000117
35	0,042	29,422	0,00467
36	0,005	3,466	0,000114
37	0,0372	25,134	0,00317
38	0,00464	3,131	7,49e-05
39	0,033	21,212	0,00231
40	0,00403	2,788	4,55e-05
41	0,0301	17,724	0,00164
42	0,00314	2,460	3,48e-05
43	0,0245	14,655	0,00105
44	0,00297	2,157	2,93e-05
45	0,0203	12,126	0,000689
46	0,003	1,891	3,07e-05
47	0,0201	10,184	0,000525
48	0,00311	1,672	3,41e-05
49	0,0152	8,759	0,000252
50	0,00356	1,539	2,4e-05

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