

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Magnetic27 Nora 12W 3000K*
Item No: *AZ6090*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6094*
LuminaireName: *Alfa Track Magnetic 27 Nora 12W 3000K*
LuminaireNumber: *AZ6094*
FileName: *AZ6094.Idt*
Date: *2024-10-09*

Dimensions of luminaire

Length: *345 mm*
Width: *22 mm*
Height: *27 mm*

Dimensions of luminous area

Length: *220 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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SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

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Type of lamps: *LED*
Total luminous flux: *815,39 lm*
Color temperatur: *3091 K*
Color rendering index: *83,43*
Wattage including ballast: *11,93 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>0,842</i>
k = 1.50	<i>0,869</i>
k = 2.00	<i>0,921</i>
k = 2.50	<i>0,930</i>
k = 3.00	<i>0,943</i>
k = 4.00	<i>0,964</i>
k = 5.00	<i>0,977</i>

Electrical parameters

<i>U</i>	<i>= 229,677 V</i>
<i>I</i>	<i>= 0,195 A</i>
<i>P</i>	<i>= 11,925 W</i>
<i>Power factor</i>	<i>= 0,270</i>

<i>Power apparent</i>	<i>= 44,821 VA</i>
<i>Power Reactive</i>	<i>= -43,036 var</i>
<i>Frequency Voltage</i>	<i>= 50,001 Hz</i>
<i>THD</i>	<i>= 371,714 %</i>

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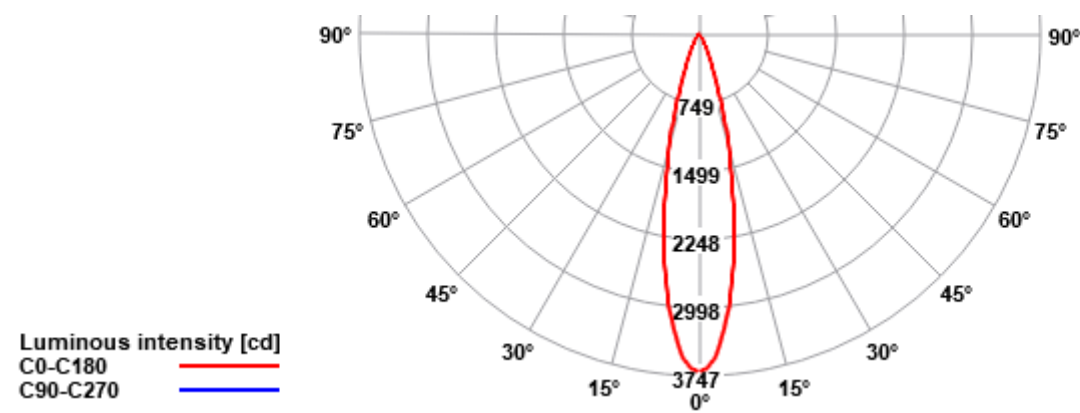
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	815,39 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	3710,24 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	68,35 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4307
y	0,4020
Angular Colour Uniformity	0,0108

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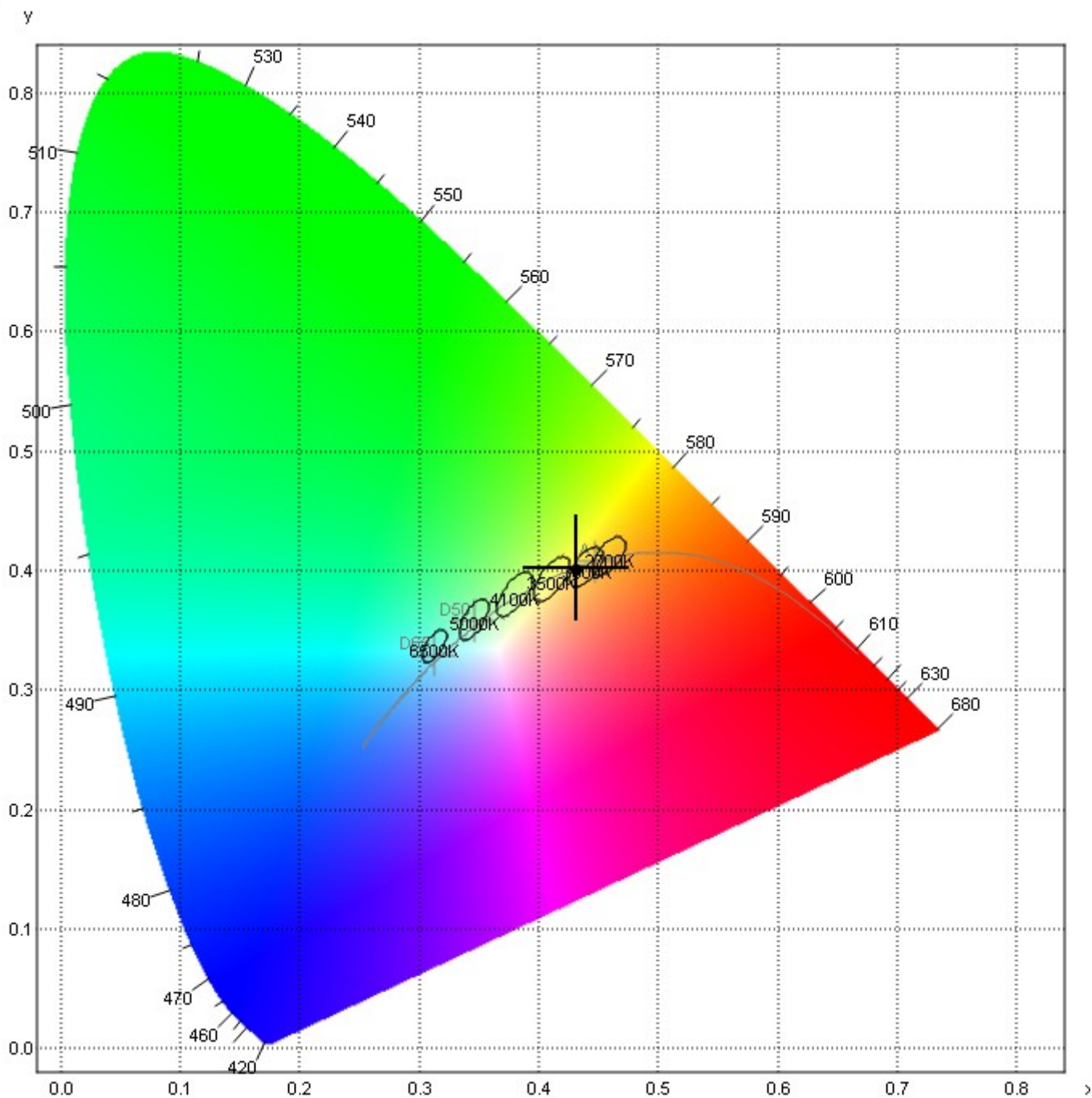
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Beam cone

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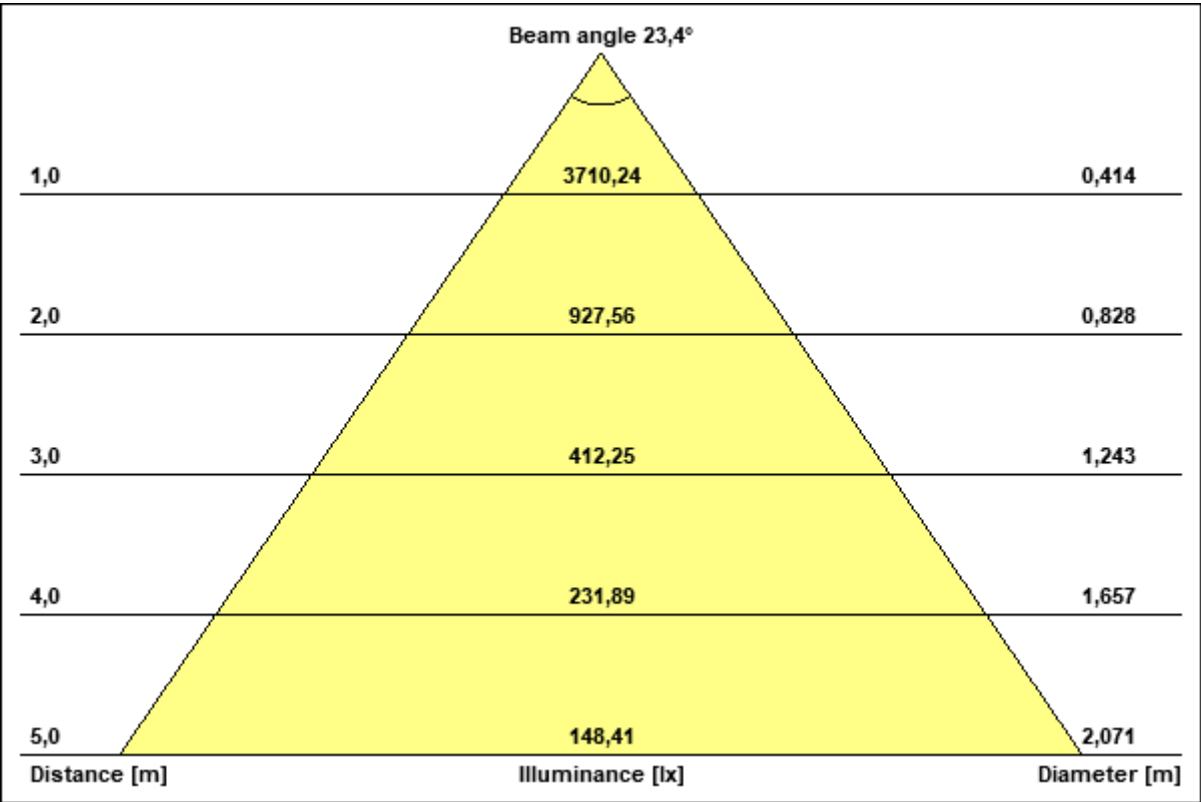
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Stabilization

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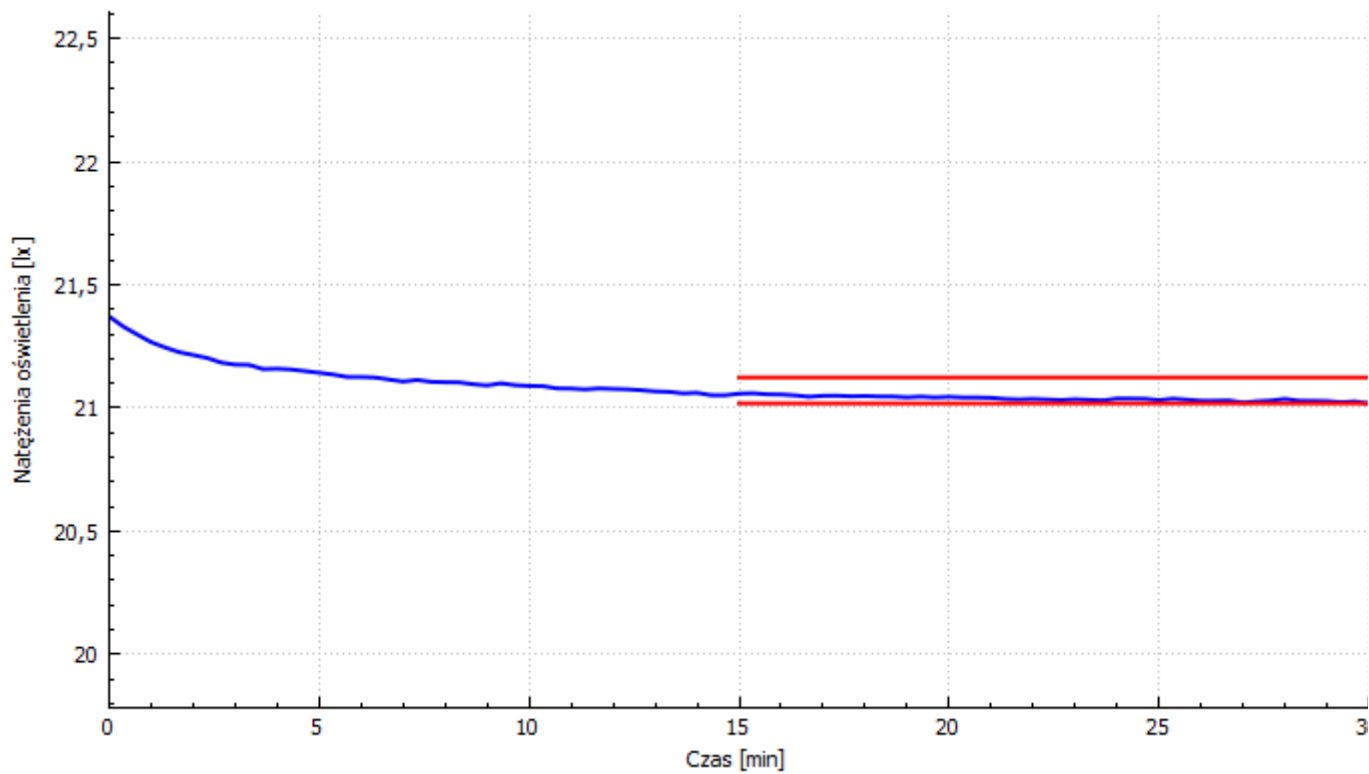
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3D Chart

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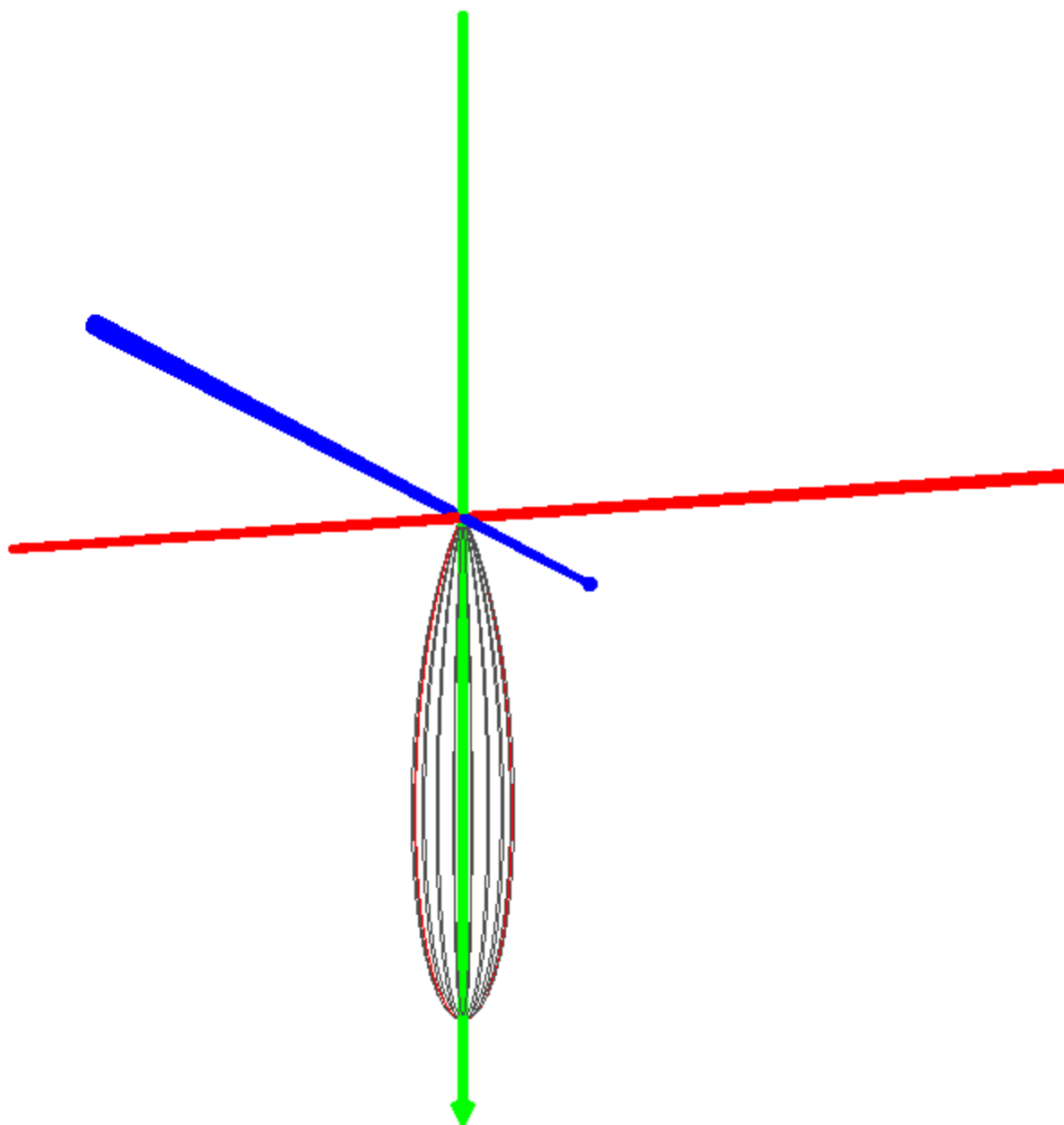
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

Extended
electrical
report

			P(%f)
0	0,0375	54,550	-0,0368
1	100,000	100,000	100,000
2	0,055	74,838	0,0328
3	0,0627	92,920	0,0516
4	0,0512	74,122	0,0357
5	0,0557	91,394	0,0505
6	0,0527	72,874	0,0339
7	0,054	89,228	0,0412
8	0,0535	71,185	0,0332
9	0,0538	86,390	0,0409
10	0,0544	69,031	0,0313
11	0,0614	82,953	0,0406
12	0,0552	66,458	0,0291
13	0,0543	78,951	0,0329
14	0,056	63,514	0,0261
15	0,0582	74,501	0,0297
16	0,0565	60,229	0,023
17	0,0575	69,673	0,0266
18	0,0562	56,662	0,0211
19	0,056	64,543	0,0226
20	0,0547	52,882	0,0187
21	0,0551	59,227	0,0193

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22	0,0531	48,892	0,0162
23	0,0555	53,787	0,0161
24	0,0515	44,853	0,0138
25	0,0497	48,293	0,0124
26	0,0494	40,661	0,0112
27	0,0467	42,928	0,00957
28	0,0467	36,514	0,00925
29	0,0426	37,708	0,00747
30	0,0433	32,419	0,00737
31	0,0399	32,715	0,00569
32	0,039	28,437	0,00578
33	0,0357	28,073	0,00403
34	0,0351	24,642	0,00434
35	0,0318	23,776	0,00282
36	0,0316	21,053	0,00311
37	0,0266	19,936	0,00189
38	0,0279	17,732	0,00213
39	0,0236	16,588	0,00132
40	0,0245	14,737	0,00162
41	0,0194	13,794	0,000825
42	0,0208	12,124	0,0012
43	0,0173	11,568	0,000656
44	0,0175	9,930	0,000858
45	0,0141	9,942	0,000483
46	0,0153	8,180	0,000656
47	0,0146	8,884	0,000349
48	0,0145	6,947	0,000466
49	0,012	8,177	0,000254
50	0,0139	6,178	0,000358

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