

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Magnetic27 Nora 24W 3000K*
Item No: *AZ6096*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6096*
LuminaireName: *Alfa Track Magnetic 27 Nora 24W 3000K*
LuminaireNumber: *AZ6096*
FileName: *AZ6096.Idt*
Date: *2024-10-09*

Dimensions of luminaire

Length: *575 mm*
Width: *22 mm*
Height: *27 mm*

Dimensions of luminous area

Length: *450 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

Kapitał 200.000PLN

Type of lamps: *LED*
Total luminous flux: *1626,33 lm*
Color temperatur: *3094 K*
Color rendering index: *83,29*
Wattage including ballast: *23,43 W*

Utilization factors:

$k = 0.60$	<i>0,709</i>
$k = 0.80$	<i>0,754</i>
$k = 1.00$	<i>0,804</i>
$k = 1.25$	<i>0,841</i>
$k = 1.50$	<i>0,868</i>
$k = 2.00$	<i>0,920</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

U	<i>= 229,706 V</i>
I	<i>= 0,315 A</i>
P	<i>= 23,428 W</i>
Power factor	<i>= 0,324</i>

Power apparent	<i>= 72,399 VA</i>
Power Reactive	<i>= -68,507 var</i>
Frequency Voltage	<i>= 50,002 Hz</i>
THD	<i>= 287,314 %</i>

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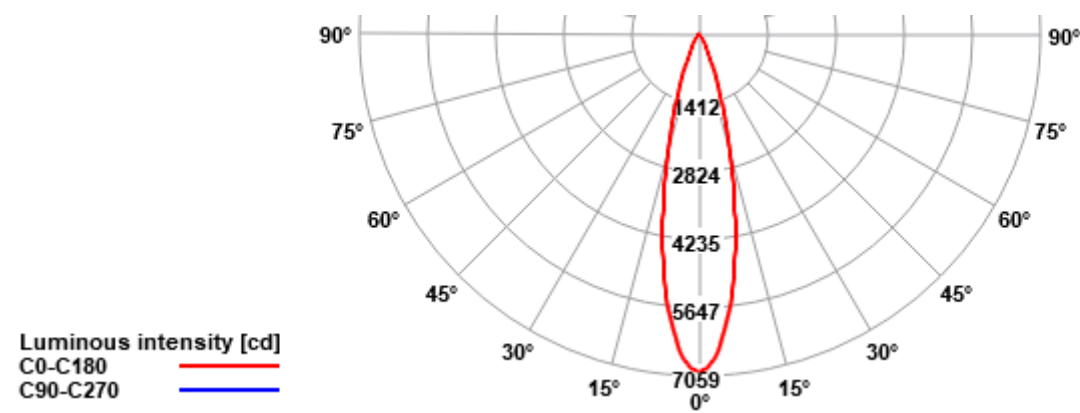
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1626,33 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	6989,03 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	69,41 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4311
y	0,4033
Angular Colour Uniformity	0,0082

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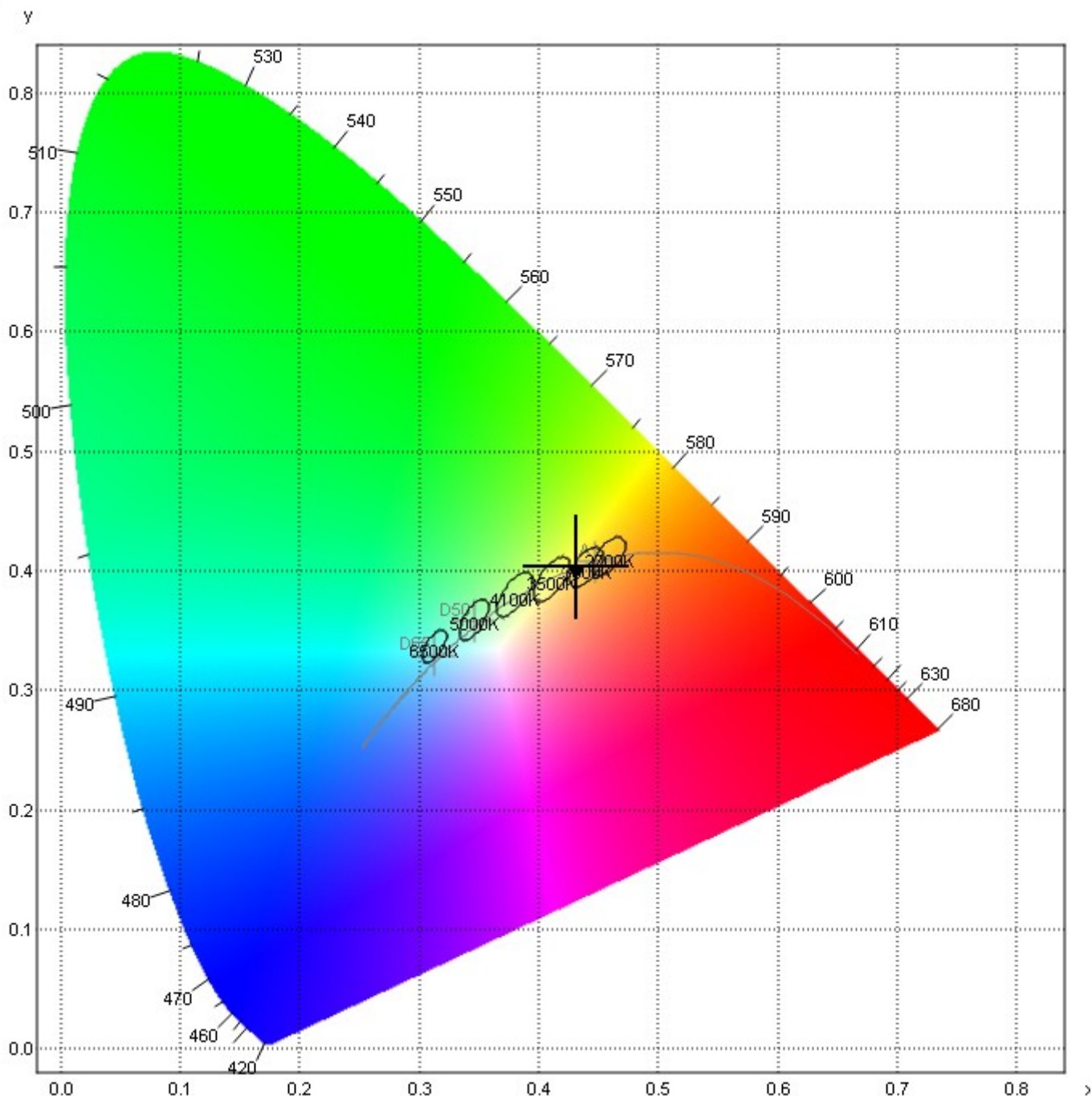
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Beam cone

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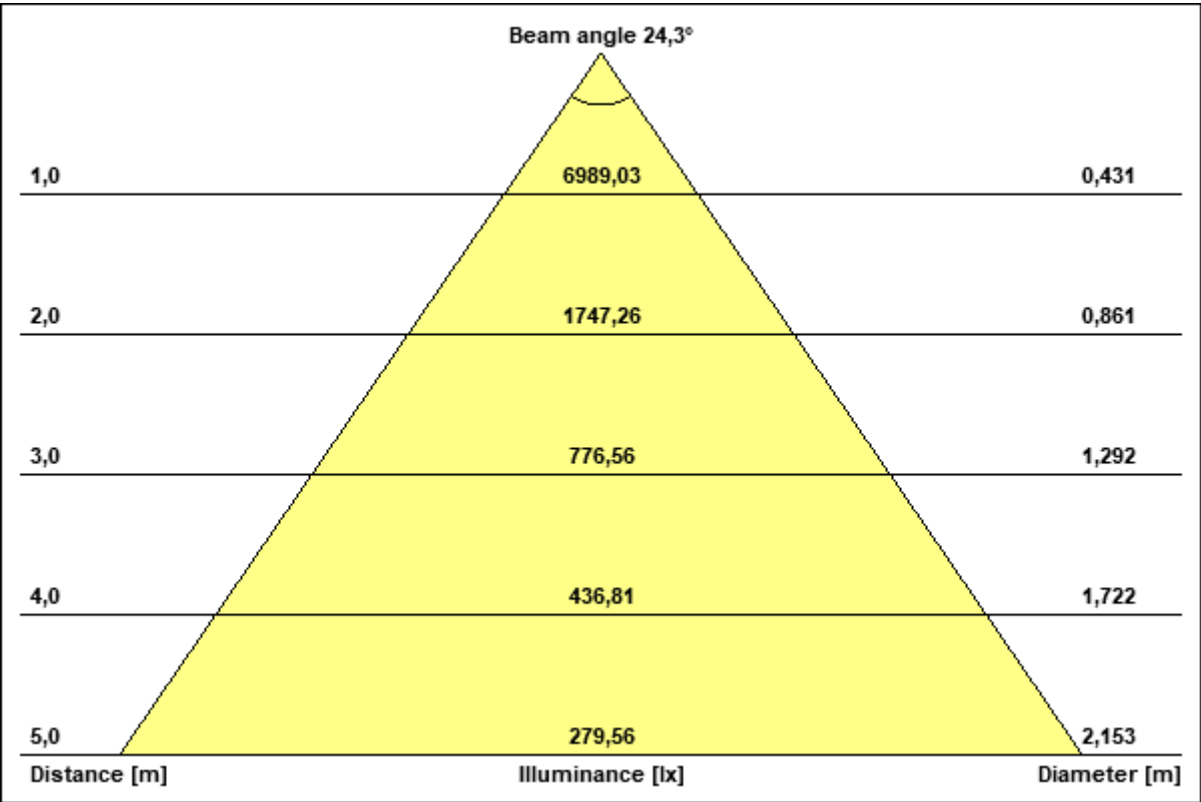
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Stabilization

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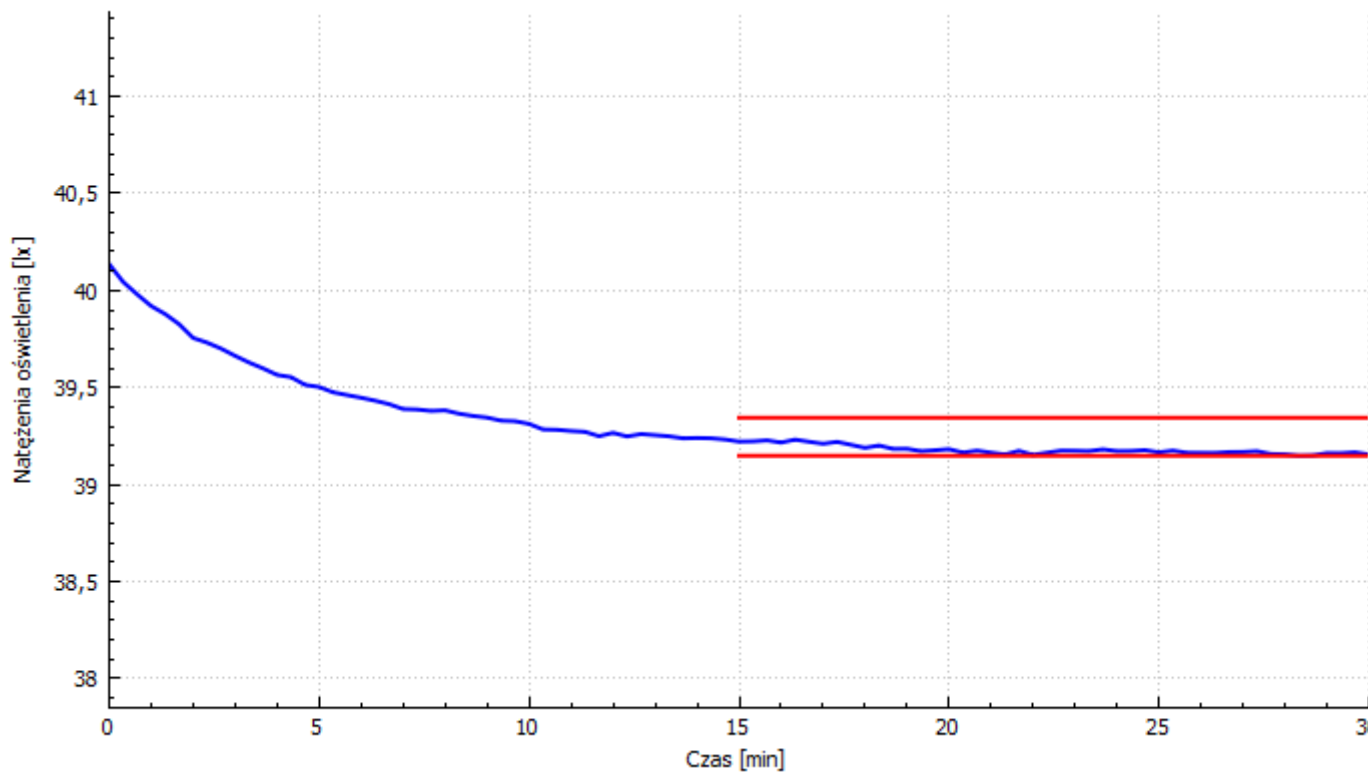
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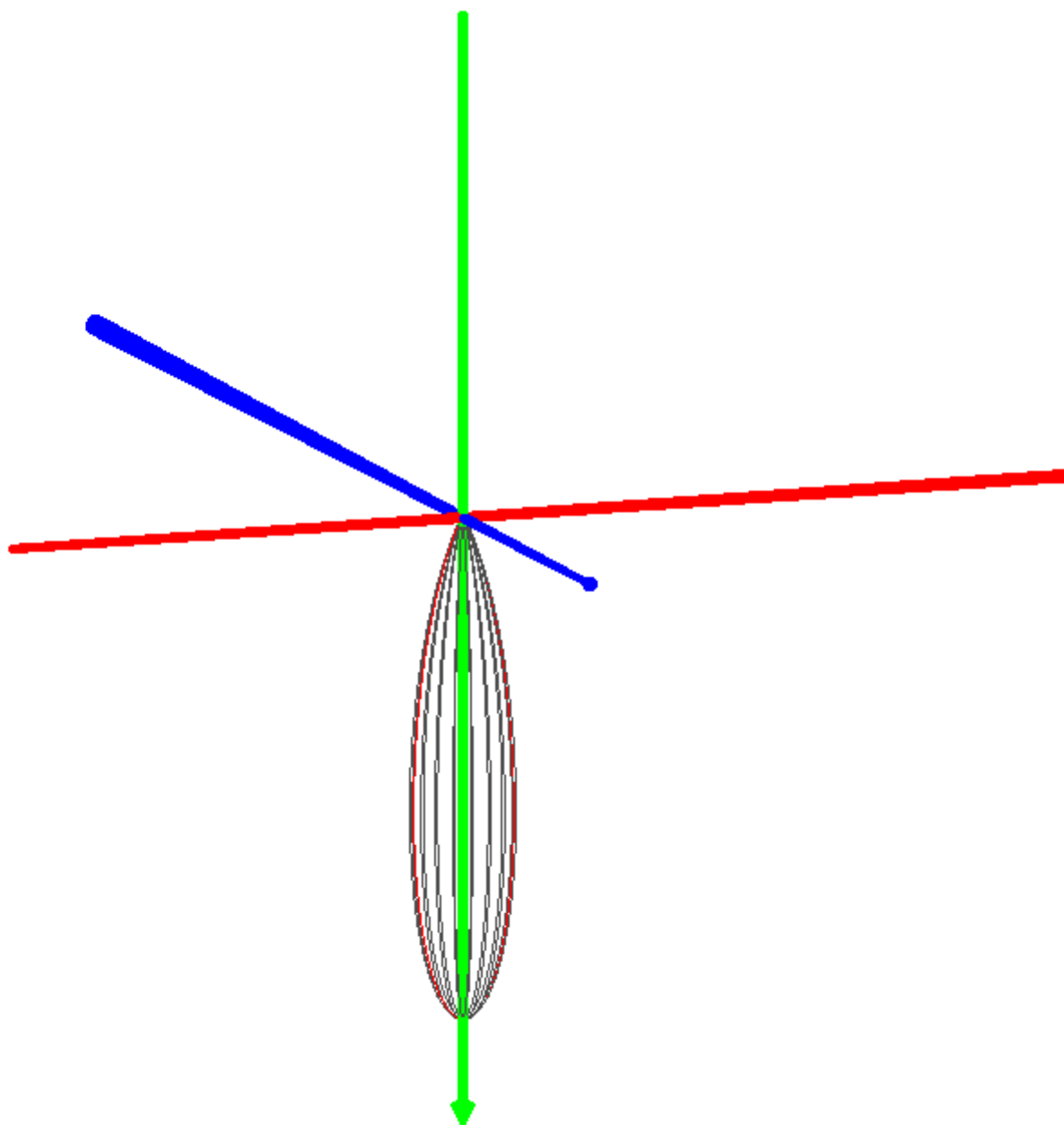
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3D Chart

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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

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			P(%f)
0	0,00185	0,649	-3,05e-05
1	100,000	100,000	100,000
2	0,00475	0,324	5,16e-06
3	0,0945	97,227	0,0936
4	0,00174	0,629	4,67e-07
5	0,0967	95,671	0,0895
6	0,00153	0,927	9,92e-06
7	0,0925	93,385	0,0792
8	0,00201	1,203	1,97e-05
9	0,0972	90,413	0,0762
10	0,00255	1,453	3,44e-05
11	0,105	86,822	0,073
12	0,00394	1,677	6,44e-05
13	0,102	82,634	0,0631
14	0,00448	1,873	6,81e-05
15	0,105	77,968	0,0563
16	0,00508	2,036	6,94e-05
17	0,106	72,887	0,0492
18	0,00414	2,152	6,97e-05
19	0,104	67,488	0,0417
20	0,00439	2,230	8,23e-05
21	0,104	61,872	0,0353

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22	0,0047	2,277	8,89e-05
23	0,101	56,125	0,0287
24	0,00536	2,281	8,77e-05
25	0,0944	50,328	0,0228
26	0,00498	2,257	8,48e-05
27	0,0875	44,595	0,018
28	0,00521	2,205	7,29e-05
29	0,0822	39,025	0,0139
30	0,00456	2,110	7,01e-05
31	0,074	33,671	0,0105
32	0,00442	2,008	5,14e-05
33	0,068	28,648	0,00733
34	0,00475	1,889	5,45e-05
35	0,0595	23,995	0,00489
36	0,00482	1,756	5,55e-05
37	0,051	19,777	0,00334
38	0,00436	1,624	3,55e-05
39	0,0432	16,083	0,00217
40	0,0038	1,484	3,32e-05
41	0,0369	12,973	0,00129
42	0,00348	1,353	1,79e-05
43	0,031	10,492	0,000965
44	0,00347	1,245	3,01e-05
45	0,0266	8,692	0,000716
46	0,00363	1,147	1,75e-05
47	0,0251	7,587	0,000363
48	0,00429	1,068	1,48e-05
49	0,0232	7,008	0,000399
50	0,00405	1,010	1,01e-05

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