

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Magnetic27 Irma 18W 3000K*
Item No: *AZ6090*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6090*
LuminaireName: *Alfa Track Magnetic 27 Irma 18W 3000K*
LuminaireNumber: *AZ6090*
FileName: *AZ6090.Idt*
Date: *2024-10-08*

Dimensions of luminaire

Length: *360 mm*
Width: *22 mm*
Height: *65 mm*

Dimensions of luminous area

Length: *358 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: *1278,76 lm*
Color temperatur: *3090 K*
Color rendering index: *83,21*
Wattage including ballast: *18,37 W*

Utilization factors:

$k = 0.60$	<i>0,709</i>
$k = 0.80$	<i>0,755</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>= 229,642 V</i>
I	<i>= 0,251 A</i>
P	<i>= 18,375 W</i>
Power factor	<i>= 0,318</i>

Power apparent	<i>= 57,754 VA</i>
Power Reactive	<i>= -54,777 var</i>
Frequency Voltage	<i>= 50,002 Hz</i>
THD	<i>= 290,777 %</i>

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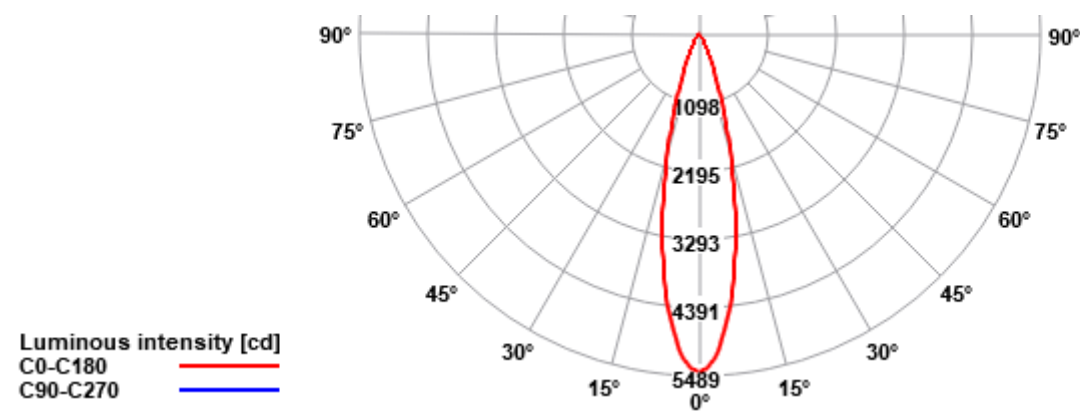
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1278,76 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	5434,41 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	69,61 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4307
y	0,4019
Angular Colour Uniformity	0,0074

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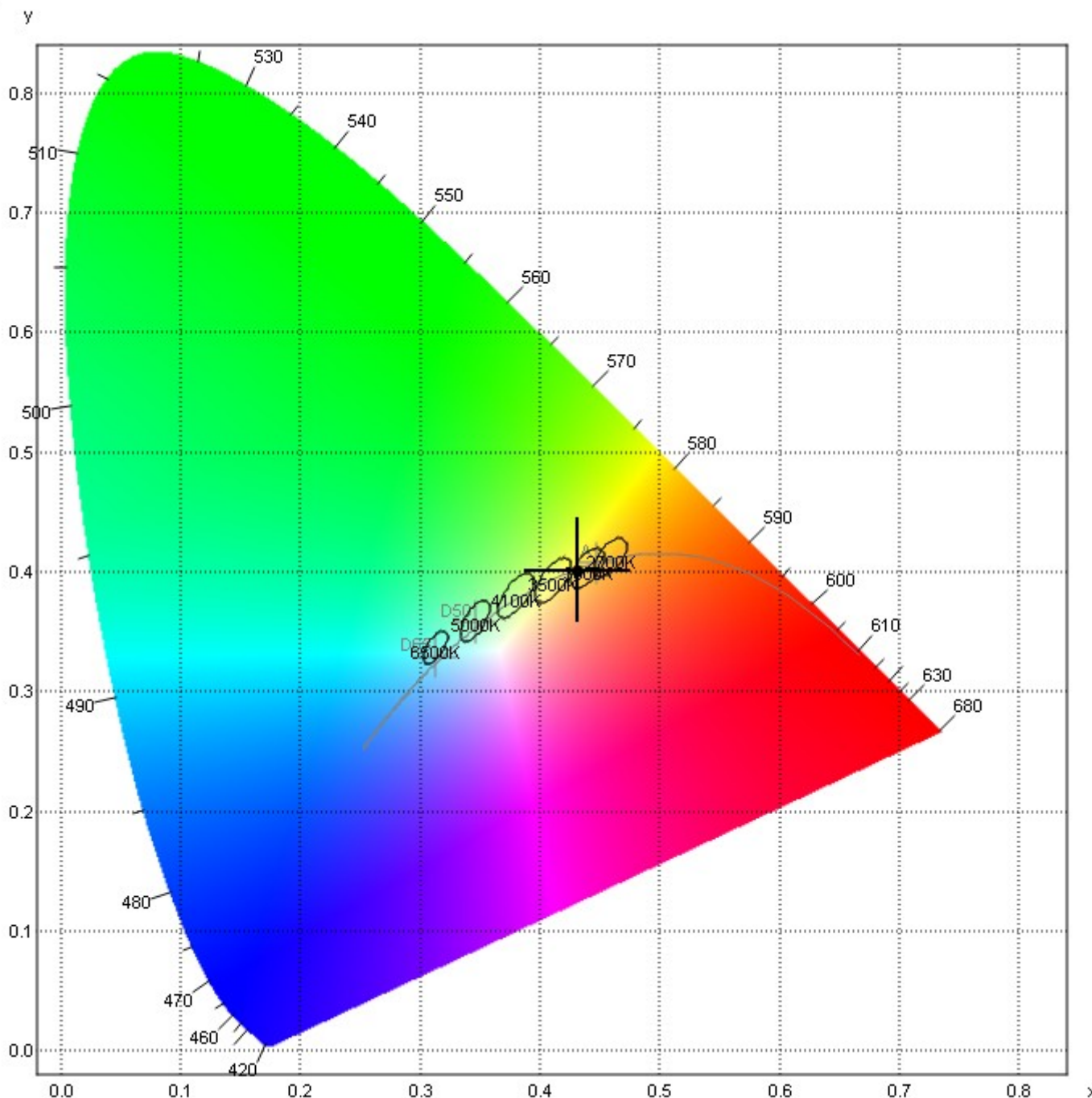
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Beam cone

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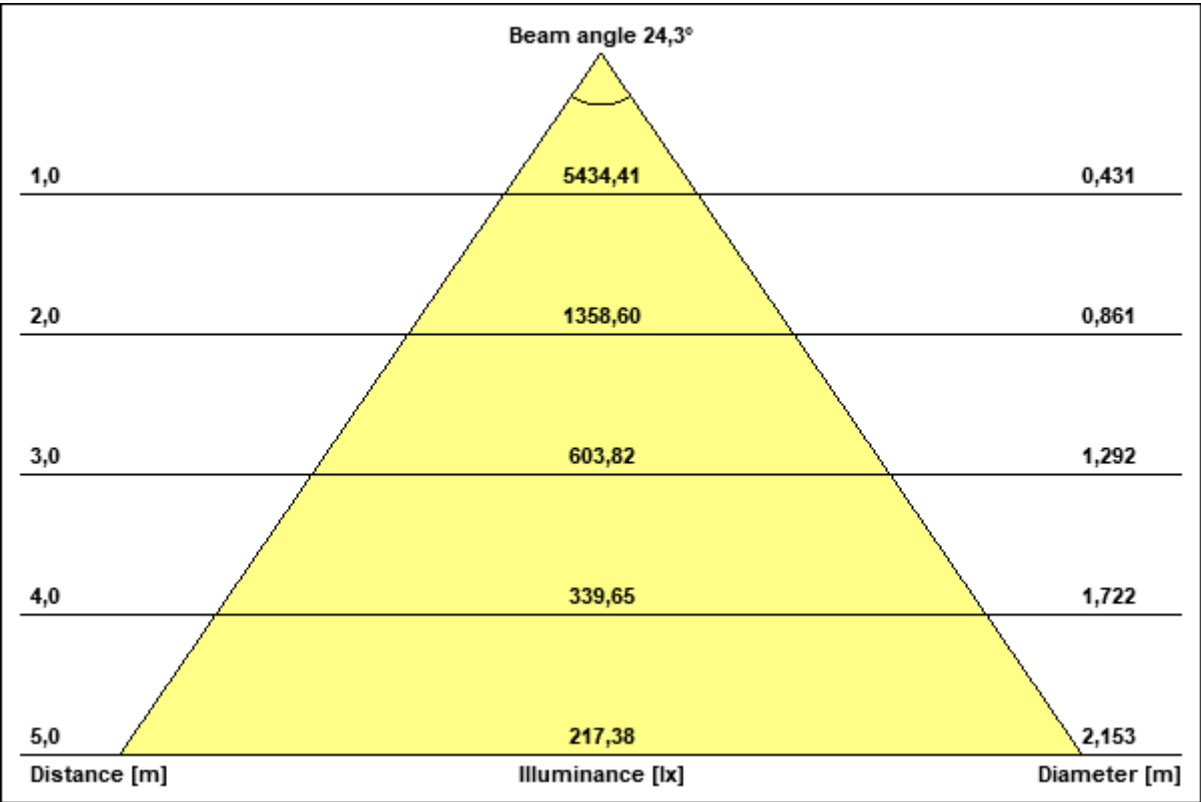
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Stabilization

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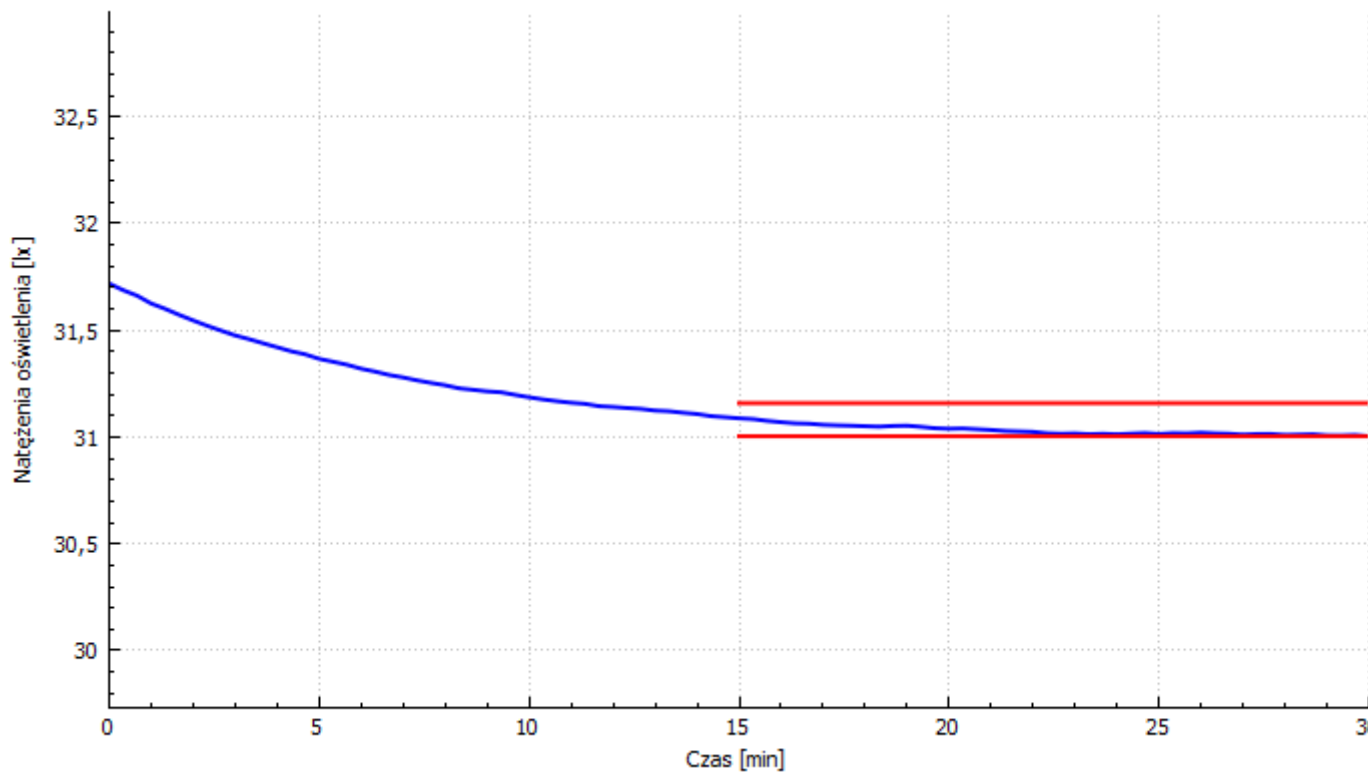
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3D Chart

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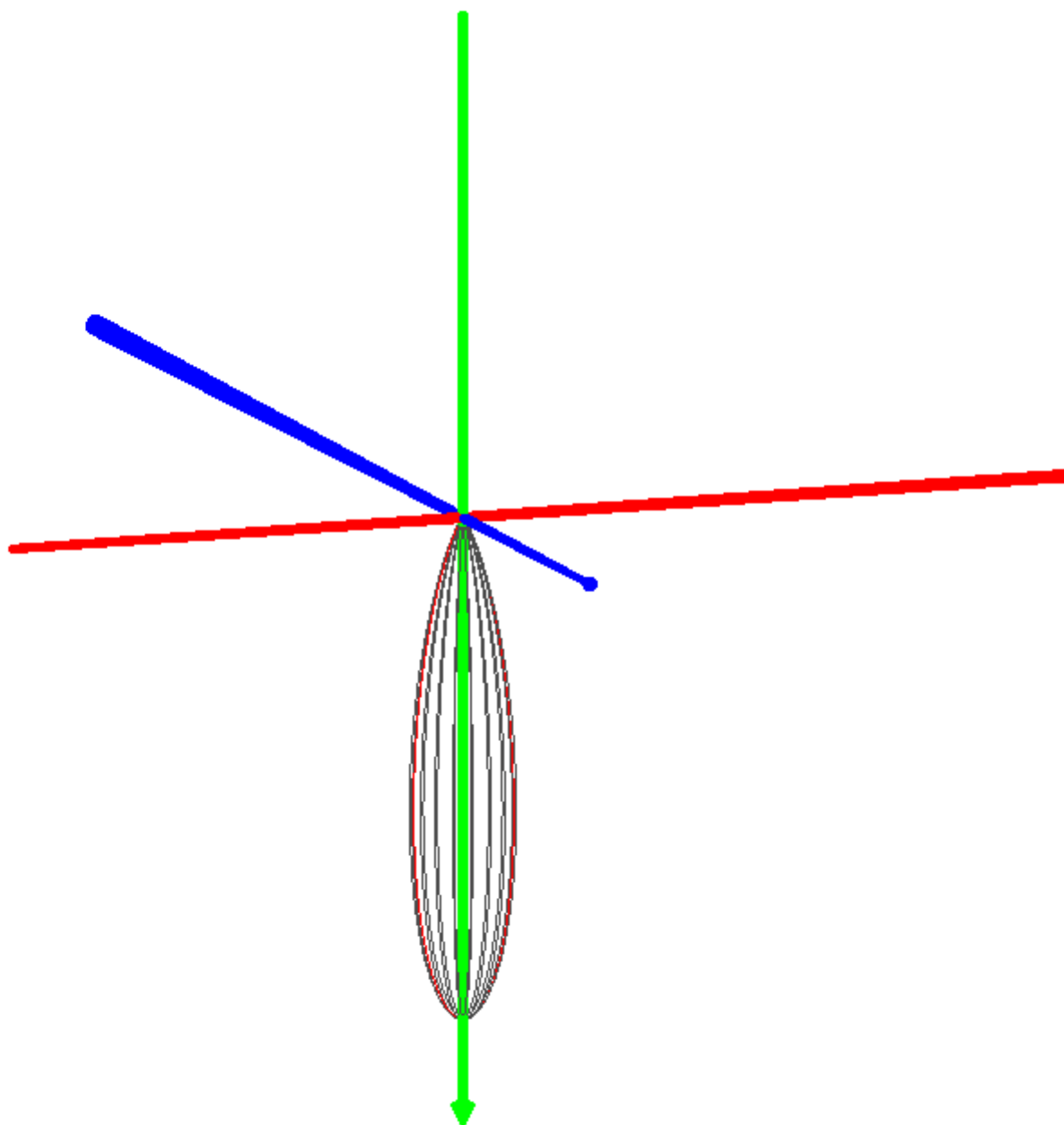
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Legend

- C0-C180

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- C90-C270
- G0-G180

U(%f)

I(%f)

**Ext
end
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			P(%f)
0	0,00271	0,214	0
1	100,000	100,000	100,000
2	0,00951	1,495	0,000117
3	0,0723	96,604	0,0779
4	0,00358	1,659	1,89e-05
5	0,082	95,233	0,0746
6	0,00253	1,872	3,57e-05
7	0,0725	93,095	0,0645
8	0,00337	2,118	3,81e-05
9	0,0801	90,304	0,0622
10	0,0015	2,364	6,08e-05
11	0,0846	86,937	0,0612
12	0,0043	2,599	9,17e-05
13	0,0829	82,998	0,0521
14	0,00315	2,803	0,000125
15	0,0843	78,596	0,0467
16	0,00508	2,959	0,00012
17	0,0877	73,797	0,0413
18	0,00388	3,076	0,000118
19	0,0835	68,670	0,0353
20	0,00522	3,167	0,00011
21	0,0852	63,325	0,0305

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22	0,00418	3,180	0,000159
23	0,0837	57,822	0,025
24	0,00601	3,171	0,000155
25	0,0779	52,254	0,0203
26	0,0052	3,104	0,000146
27	0,0727	46,704	0,0161
28	0,00618	2,997	0,000111
29	0,069	41,278	0,0126
30	0,00453	2,852	9,14e-05
31	0,0618	36,024	0,00973
32	0,00485	2,678	7,77e-05
33	0,0591	31,056	0,00686
34	0,00432	2,486	7,17e-05
35	0,0525	26,399	0,005
36	0,00477	2,272	7,11e-05
37	0,0457	22,128	0,00335
38	0,00421	2,070	5,53e-05
39	0,0387	18,312	0,00225
40	0,00424	1,871	4,3e-05
41	0,0344	15,012	0,00149
42	0,00349	1,667	2,94e-05
43	0,0277	12,256	0,00106
44	0,0037	1,503	2,42e-05
45	0,0233	10,112	0,000696
46	0,00335	1,364	1,86e-05
47	0,0232	8,635	0,000496
48	0,00383	1,256	1,7e-05
49	0,0196	7,705	0,000276
50	0,00385	1,191	1,74e-05

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