

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Magnetic27 Senta 30W 3000K*
Item No: *AZ6093*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ6093*
LuminaireName: *Alfa Track Magnetic 27 Senta 30W 3000K*
LuminaireNumber: *AZ6093*
FileName: *AZ6093.Idt*
Date: *2024-10-10*

Dimensions of luminaire

Length: *1025 mm*
Width: *22 mm*
Height: *27 mm*

Dimensions of luminous area

Length: *900 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: *1374,94 lm*
Color temperatur: *3044 K*
Color rendering index: *83,11*
Wattage including ballast: *30,12 W*

Utilization factors:

k = 0.60	<i>0,303</i>
k = 0.80	<i>0,387</i>
k = 1.00	<i>0,462</i>
k = 1.25	<i>0,535</i>
k = 1.50	<i>0,592</i>
k = 2.00	<i>0,679</i>
k = 2.50	<i>0,728</i>
k = 3.00	<i>0,766</i>
k = 4.00	<i>0,817</i>
k = 5.00	<i>0,849</i>

Electrical parameters

<i>U</i>	<i>= 229,694 V</i>
<i>I</i>	<i>= 0,400 A</i>
<i>P</i>	<i>= 30,123 W</i>
<i>Power factor</i>	<i>= 0,328</i>

<i>Power apparent</i>	<i>= 91,914 VA</i>
<i>Power Reactive</i>	<i>= -86,831 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 285,061 %</i>

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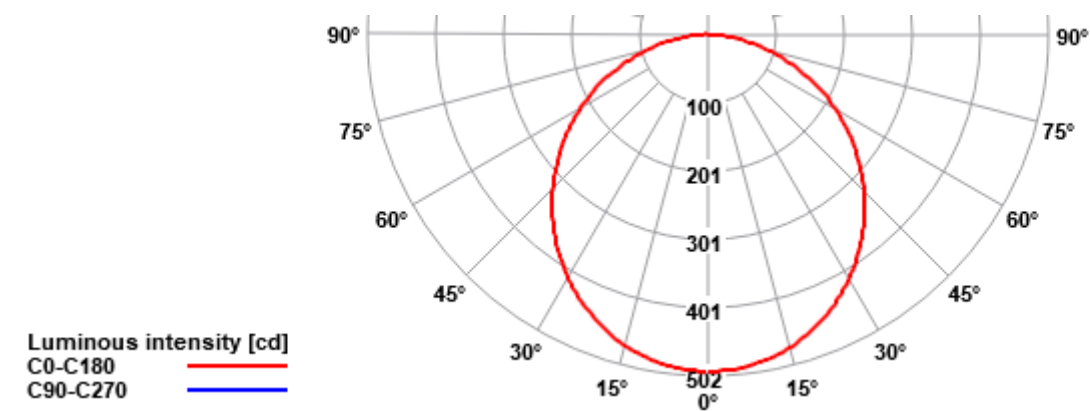
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1374,94 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	496,93 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	45,65 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4325
y	0,4002
Angular Colour Uniformity	0,0022

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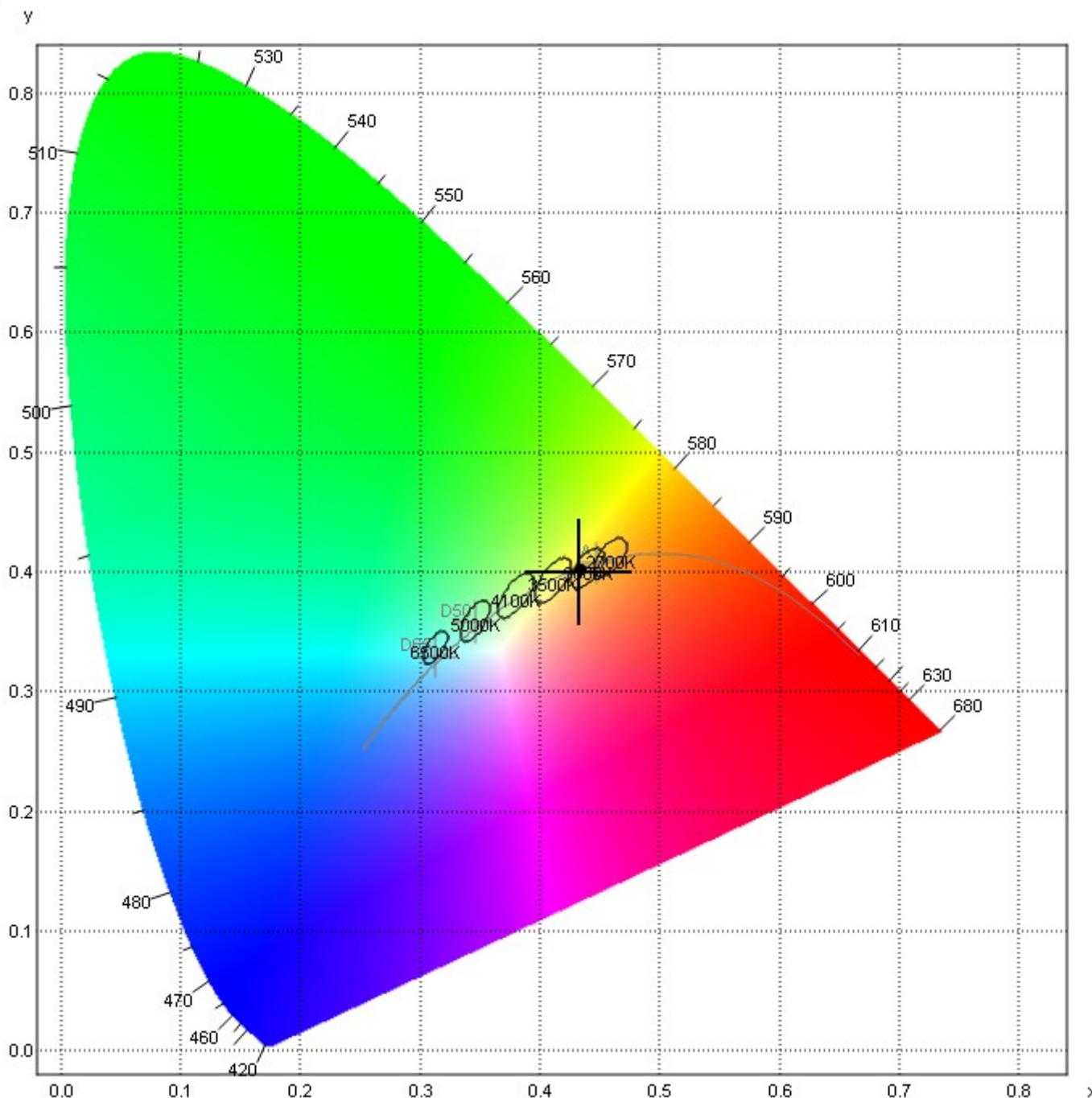
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Beam cone

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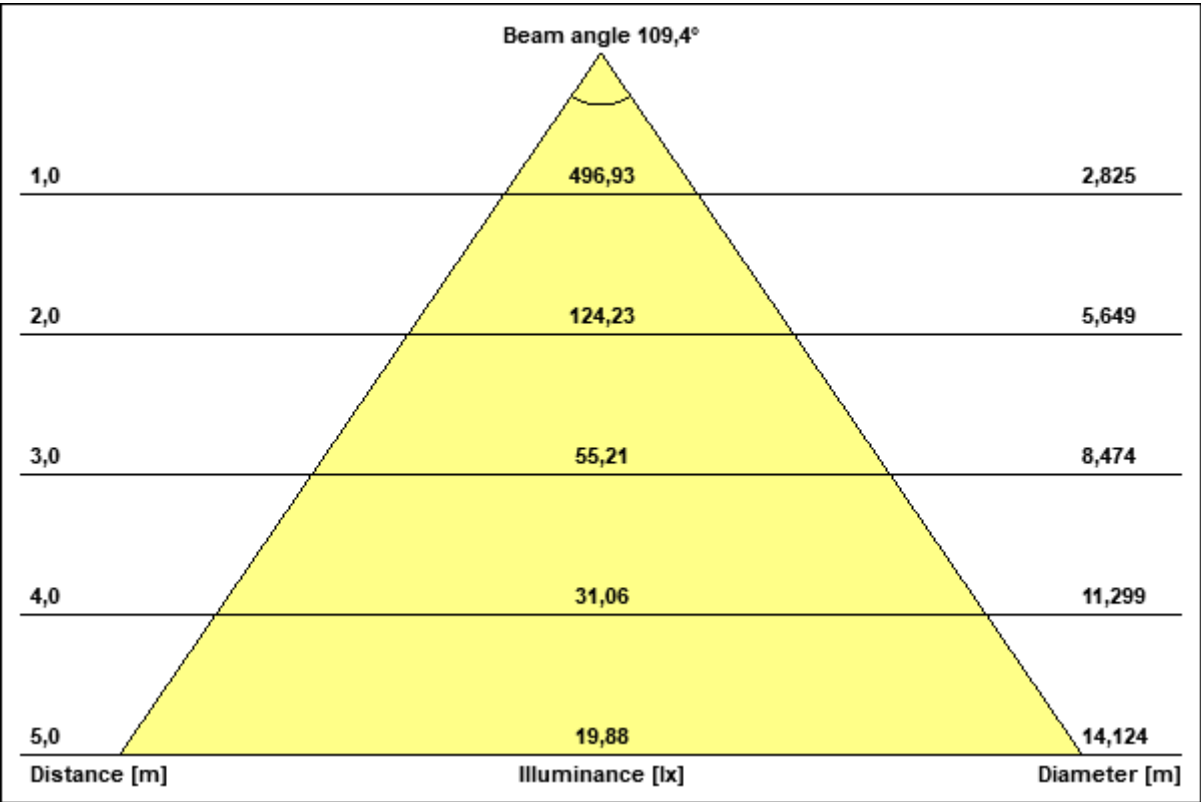
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Stabilization

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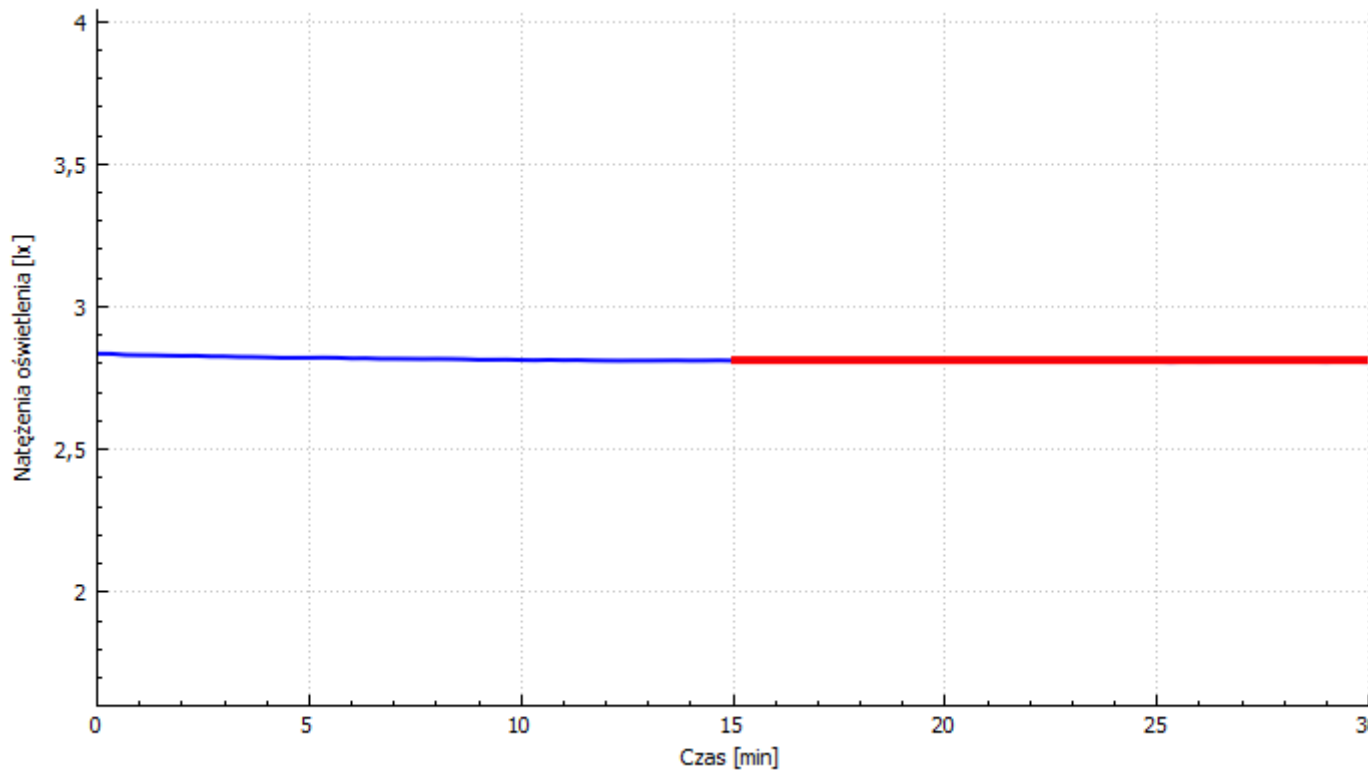
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3D Chart

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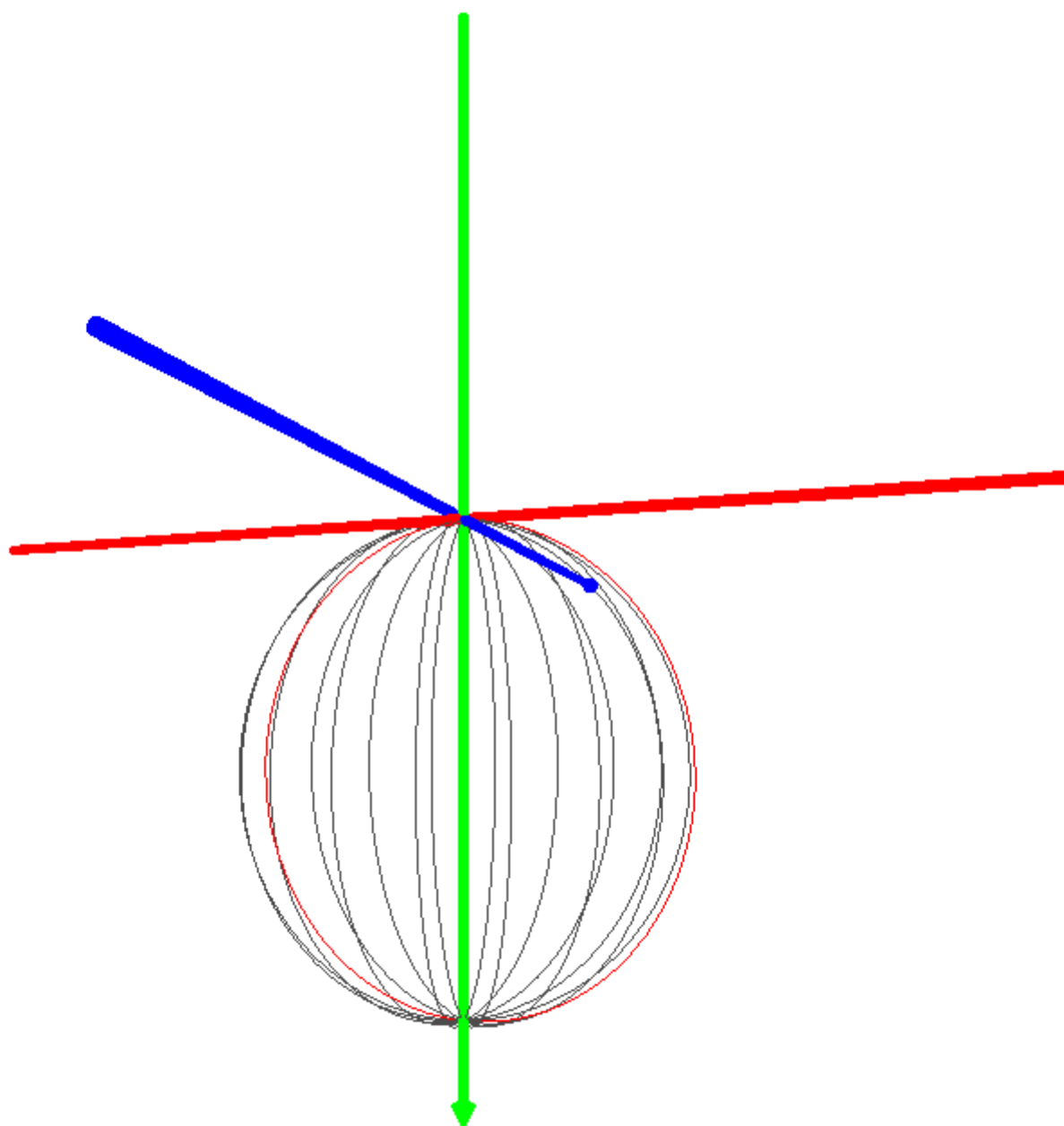
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

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			P(%f)
0	0	0,929	0
1	100,000	100,000	100,000
2	0,00458	0,638	-1,63e-05
3	0,124	97,677	0,122
4	0,0029	0,715	9,01e-06
5	0,126	96,046	0,117
6	0,00198	0,831	7,37e-06
7	0,122	93,668	0,105
8	0,00317	0,958	2,55e-05
9	0,128	90,561	0,1
10	0,00352	1,095	3,96e-05
11	0,135	86,802	0,0937
12	0,00491	1,221	5,9e-05
13	0,133	82,440	0,0824
14	0,00464	1,337	6,47e-05
15	0,135	77,588	0,0729
16	0,0045	1,441	6,44e-05
17	0,136	72,310	0,0629
18	0,00461	1,521	6,1e-05
19	0,132	66,721	0,0532
20	0,00527	1,585	7,59e-05
21	0,131	60,926	0,0442

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22	0,0056	1,631	8,3e-05
23	0,126	55,011	0,0352
24	0,00574	1,660	8,87e-05
25	0,118	49,085	0,0286
26	0,00556	1,670	8,42e-05
27	0,110	43,244	0,0224
28	0,00508	1,648	6,83e-05
29	0,102	37,596	0,017
30	0,00462	1,617	6,79e-05
31	0,0921	32,210	0,0124
32	0,0043	1,571	6,74e-05
33	0,0816	27,184	0,00834
34	0,0047	1,510	6,25e-05
35	0,071	22,585	0,00564
36	0,00545	1,443	4,4e-05
37	0,061	18,475	0,00381
38	0,00482	1,360	3,23e-05
39	0,0515	14,946	0,00243
40	0,00449	1,278	3,81e-05
41	0,0436	12,054	0,0014
42	0,00401	1,186	2,93e-05
43	0,0376	9,848	0,00101
44	0,0044	1,101	2,74e-05
45	0,0333	8,345	0,000848
46	0,00425	1,022	2,29e-05
47	0,031	7,487	0,000535
48	0,00437	0,947	1,86e-05
49	0,0304	7,096	0,000594
50	0,00357	0,878	1,29e-05

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