

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Saga Track 60 Smart CCT*
Item No: *AZ4848*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ4848-6000K*
LuminaireName: *Alfa Saga Track Smart CCT*
LuminaireNumber: *AZ4848-6000K*
FileName: *AZ48486000K.Idt*
Date: *2024-06-17*

Dimensions of luminaire

Length: *600 mm*
Width: *20 mm*
Height: *58 mm*

Dimensions of luminous area

Length: *598 mm*
Width: *18 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

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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: *861,93 lm*
Color temperatur: *6195 K*
Color rendering index: *84,54*
Wattage including ballast: *21,31 W*

Utilization factors:

k = 0.60	<i>0,299</i>
k = 0.80	<i>0,385</i>
k = 1.00	<i>0,460</i>
k = 1.25	<i>0,534</i>
k = 1.50	<i>0,592</i>
k = 2.00	<i>0,680</i>
k = 2.50	<i>0,729</i>
k = 3.00	<i>0,767</i>
k = 4.00	<i>0,819</i>
k = 5.00	<i>0,851</i>

Electrical parameters

<i>U</i>	<i>= 229,672 V</i>
<i>I</i>	<i>= 0,290 A</i>
<i>P</i>	<i>= 21,313 W</i>
<i>Power factor</i>	<i>= 0,320</i>

<i>Power apparent</i>	<i>= 66,545 VA</i>
<i>Power Reactive</i>	<i>= -63,054 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 289,514 %</i>

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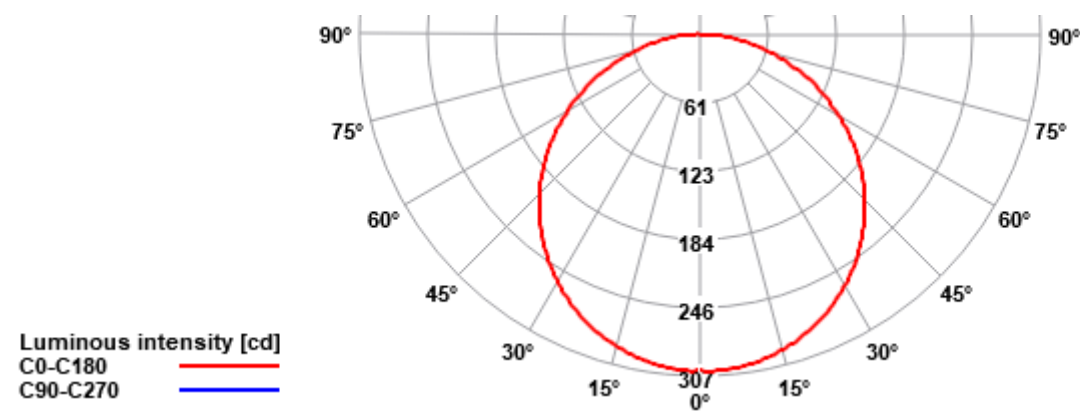
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	861,93 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	304,29 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	40,45 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3175
y	0,3398
Angular Colour Uniformity	0,0013

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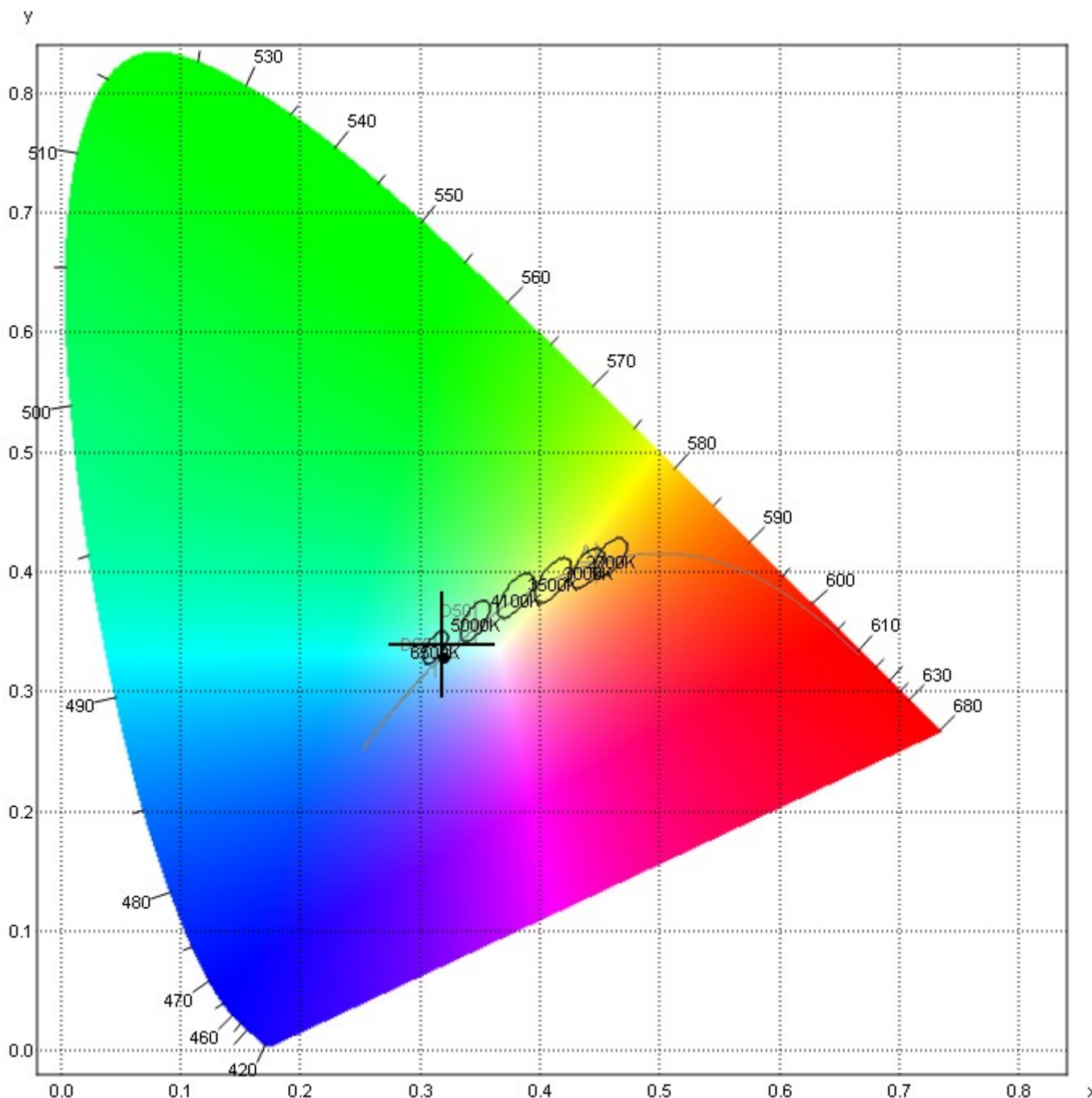
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Beam cone

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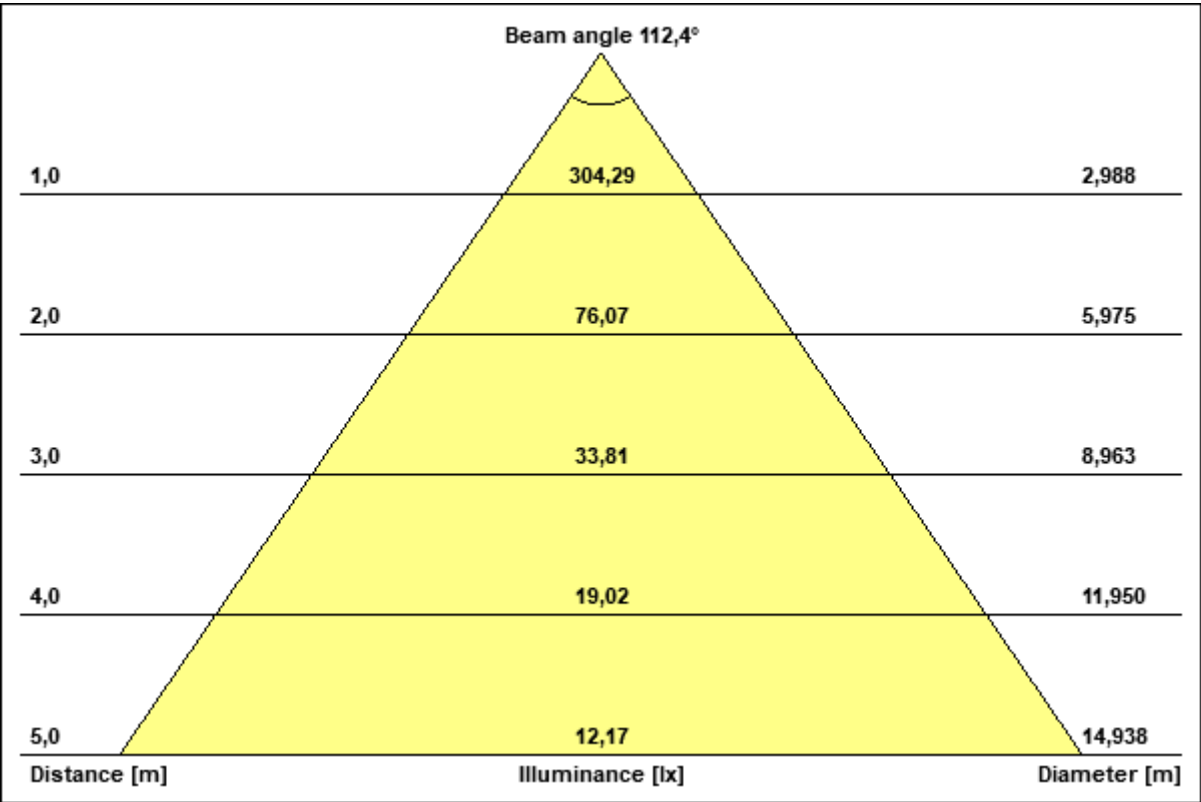
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Stabilization

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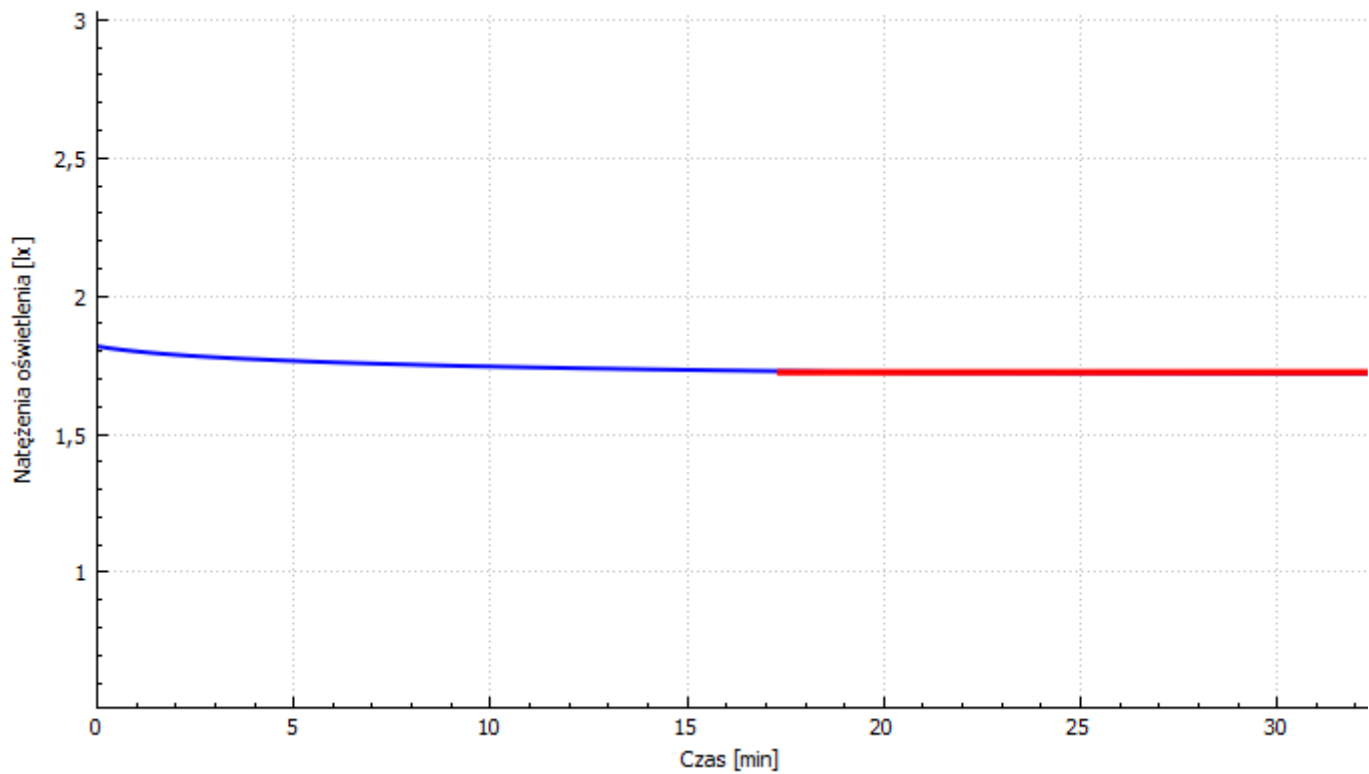
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3D Chart

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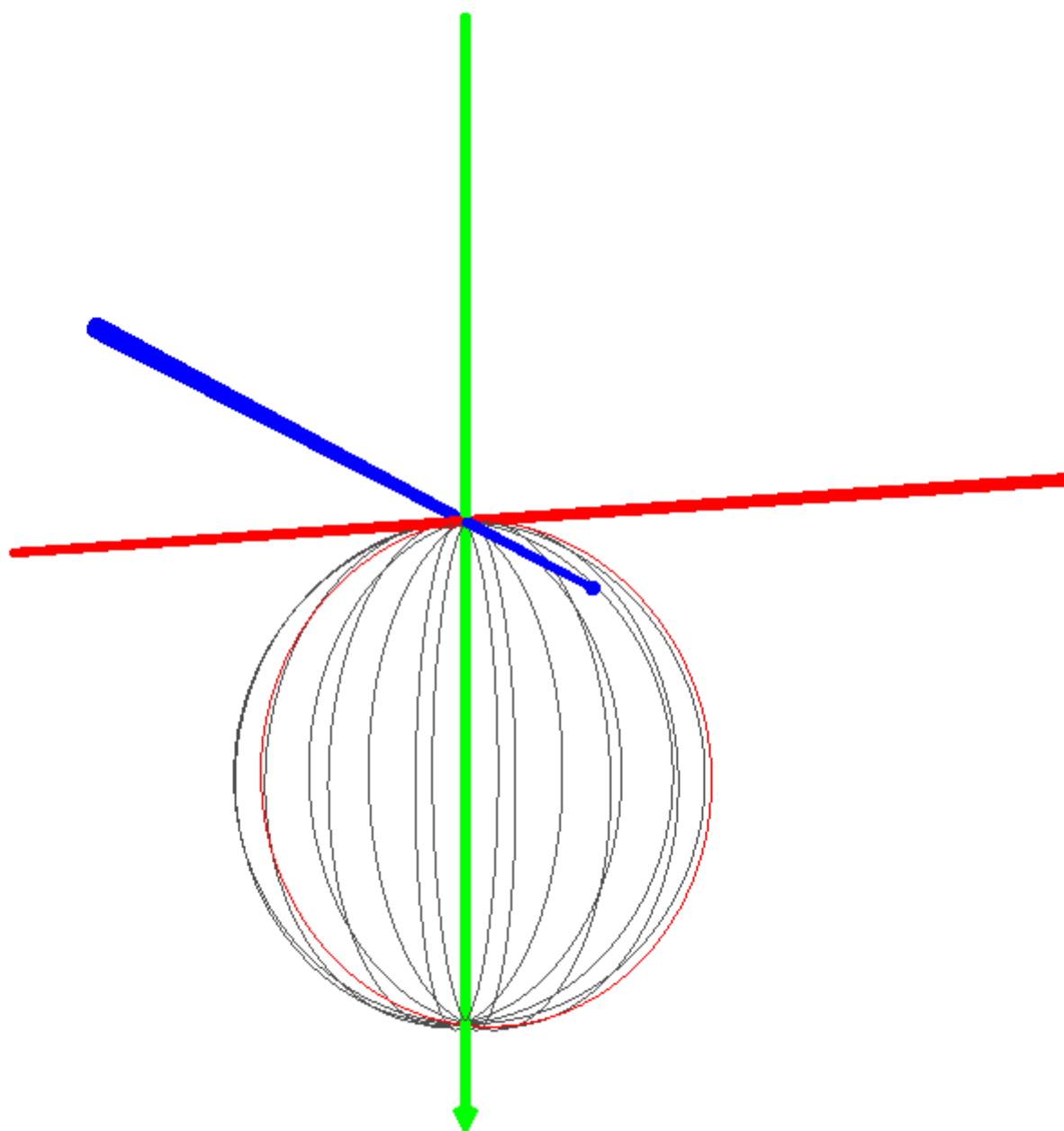
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

Ext
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			P(%f)
0	0	0,433	0
1	100,000	100,000	100,000
2	0,00745	0,664	1,88e-05
3	0,0967	97,171	0,0995
4	0,00269	0,913	-6,04e-06
5	0,102	95,648	0,0947
6	0,00141	1,206	3,2e-05
7	0,0943	93,447	0,0839
8	0,00363	1,501	3,69e-05
9	0,100	90,556	0,0804
10	0,00187	1,776	5,54e-05
11	0,105	87,051	0,0769
12	0,00483	2,019	9,64e-05
13	0,103	82,970	0,067
14	0,00403	2,234	0,000124
15	0,104	78,419	0,0598
16	0,00569	2,405	0,000122
17	0,106	73,460	0,0526
18	0,00438	2,535	0,000127
19	0,102	68,173	0,0446
20	0,00533	2,624	0,000129
21	0,102	62,670	0,0378

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22	0,00404	2,667	0,00012
23	0,0992	57,029	0,0313
24	0,00552	2,660	0,000124
25	0,0934	51,334	0,0253
26	0,00558	2,626	0,000139
27	0,0865	45,679	0,0202
28	0,00647	2,552	0,000126
29	0,0811	40,169	0,0154
30	0,00561	2,443	0,000107
31	0,073	34,867	0,0115
32	0,00594	2,318	8,74e-05
33	0,0671	29,858	0,00833
34	0,00452	2,171	7,38e-05
35	0,0593	25,205	0,00579
36	0,00488	2,009	7,75e-05
37	0,0519	20,983	0,00405
38	0,00434	1,846	6,12e-05
39	0,0445	17,248	0,0026
40	0,00465	1,690	5,16e-05
41	0,0384	14,065	0,00162
42	0,00454	1,545	4e-05
43	0,0317	11,468	0,00112
44	0,00443	1,414	2,77e-05
45	0,0269	9,531	0,000819
46	0,00367	1,305	2,61e-05
47	0,0262	8,261	0,000568
48	0,0035	1,213	3,11e-05
49	0,0231	7,512	0,000516
50	0,0035	1,151	2,51e-05

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