

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Sonya Track Smart CCT*
Item No: *AZ4844*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ4844-3000K*
LuminaireName: *Alfa Sonya Track Smart CCT*
LuminaireNumber: *AZ4844-3000K*
FileName: *AZ48443000K.Idt*
Date: *2024-06-17*

Dimensions of luminaire

Length: *270 mm*
Width: *35 mm*
Height: *110 mm*

Dimensions of luminous area

Length: *250 mm*
Width: *15 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: *1170,78 lm*
Color temperatur: *2724 K*
Color rendering index: *91,71*
Wattage including ballast: *20,83 W*

Utilization factors:

k = 0.60	<i>0,708</i>
k = 0.80	<i>0,754</i>
k = 1.00	<i>0,803</i>
k = 1.25	<i>0,840</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>0,942</i>
k = 4.00	<i>0,963</i>
k = 5.00	<i>0,977</i>

Electrical parameters

<i>U</i>	<i>= 229,725 V</i>
<i>I</i>	<i>= 0,282 A</i>
<i>P</i>	<i>= 20,826 W</i>
<i>Power factor</i>	<i>= 0,321</i>

<i>Power apparent</i>	<i>= 64,797 VA</i>
<i>Power Reactive</i>	<i>= 0,000 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 288,827 %</i>

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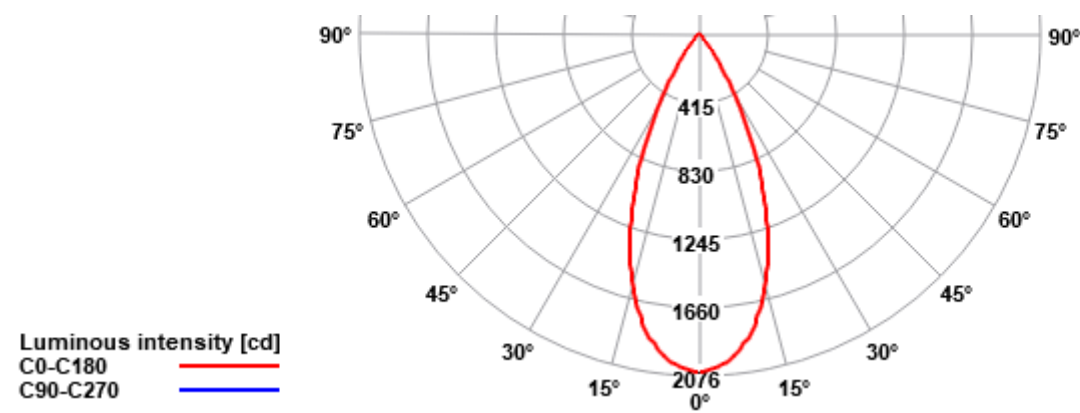
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1170,78 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	2055,00 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	56,21 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4552
y	0,4053
Angular Colour Uniformity	0,0034

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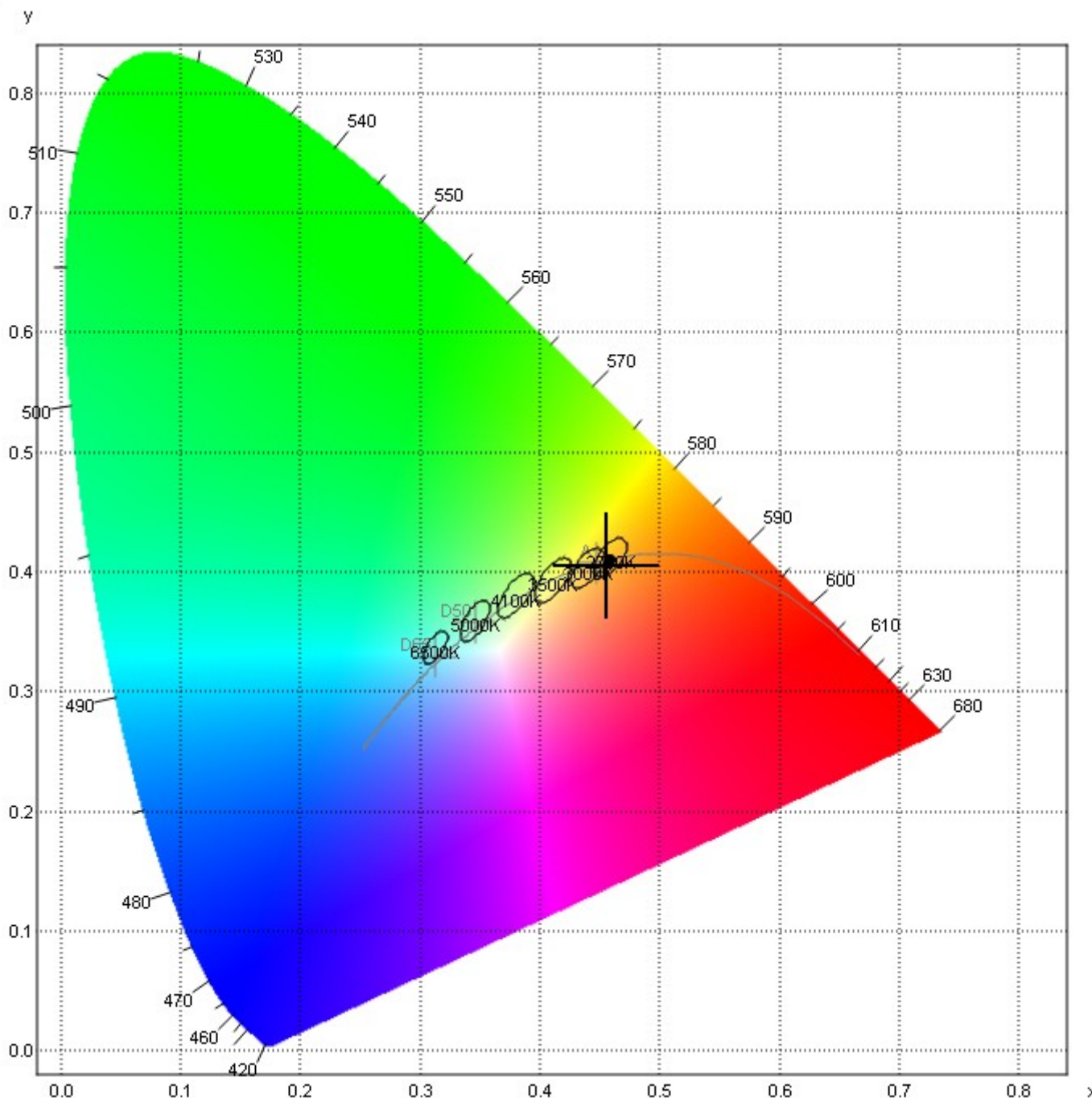
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Beam cone

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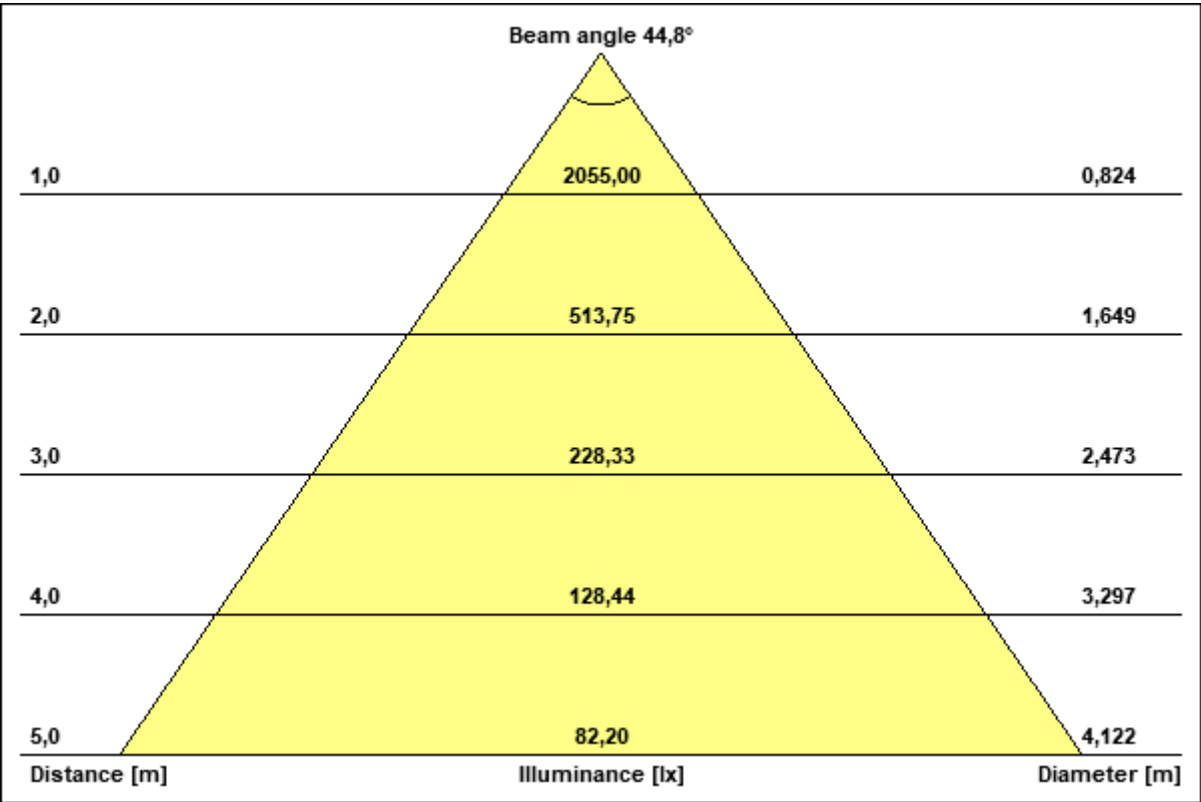
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Stabilization

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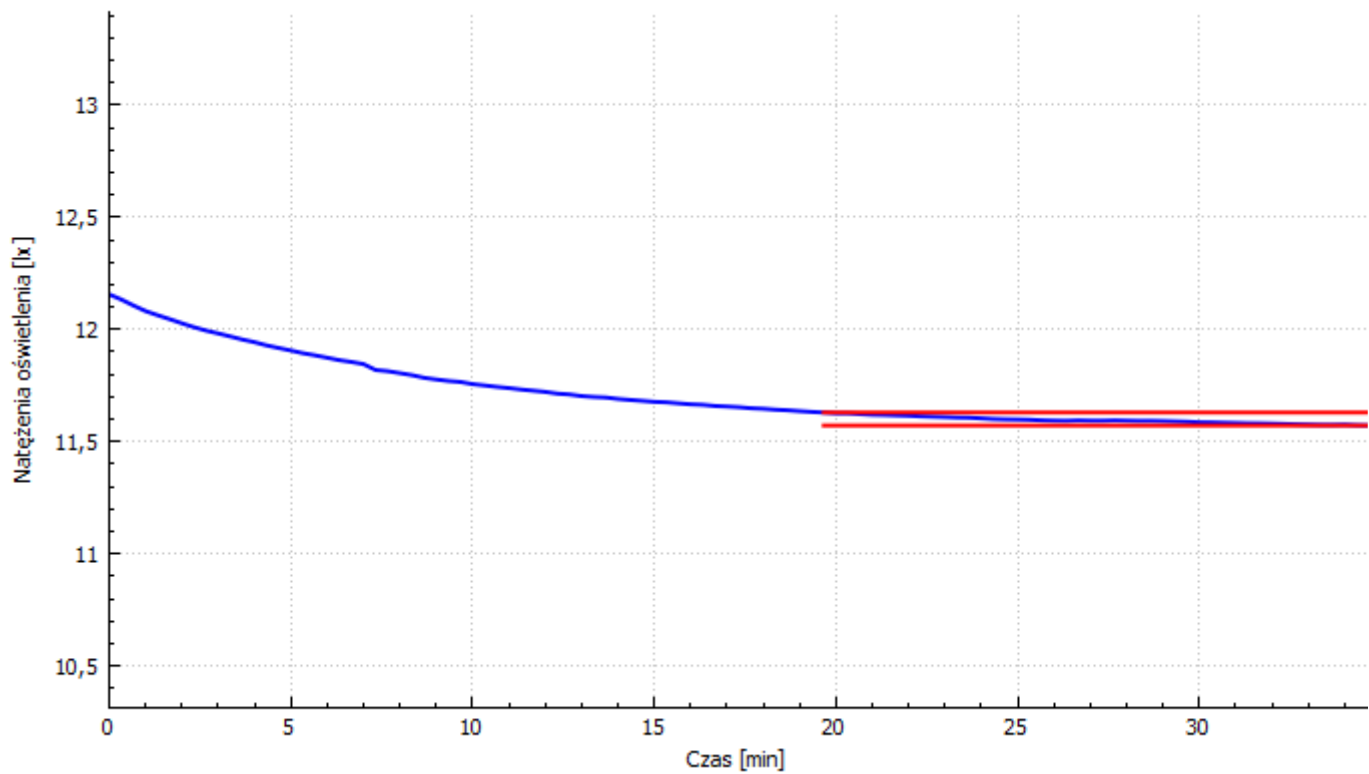
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3D Chart

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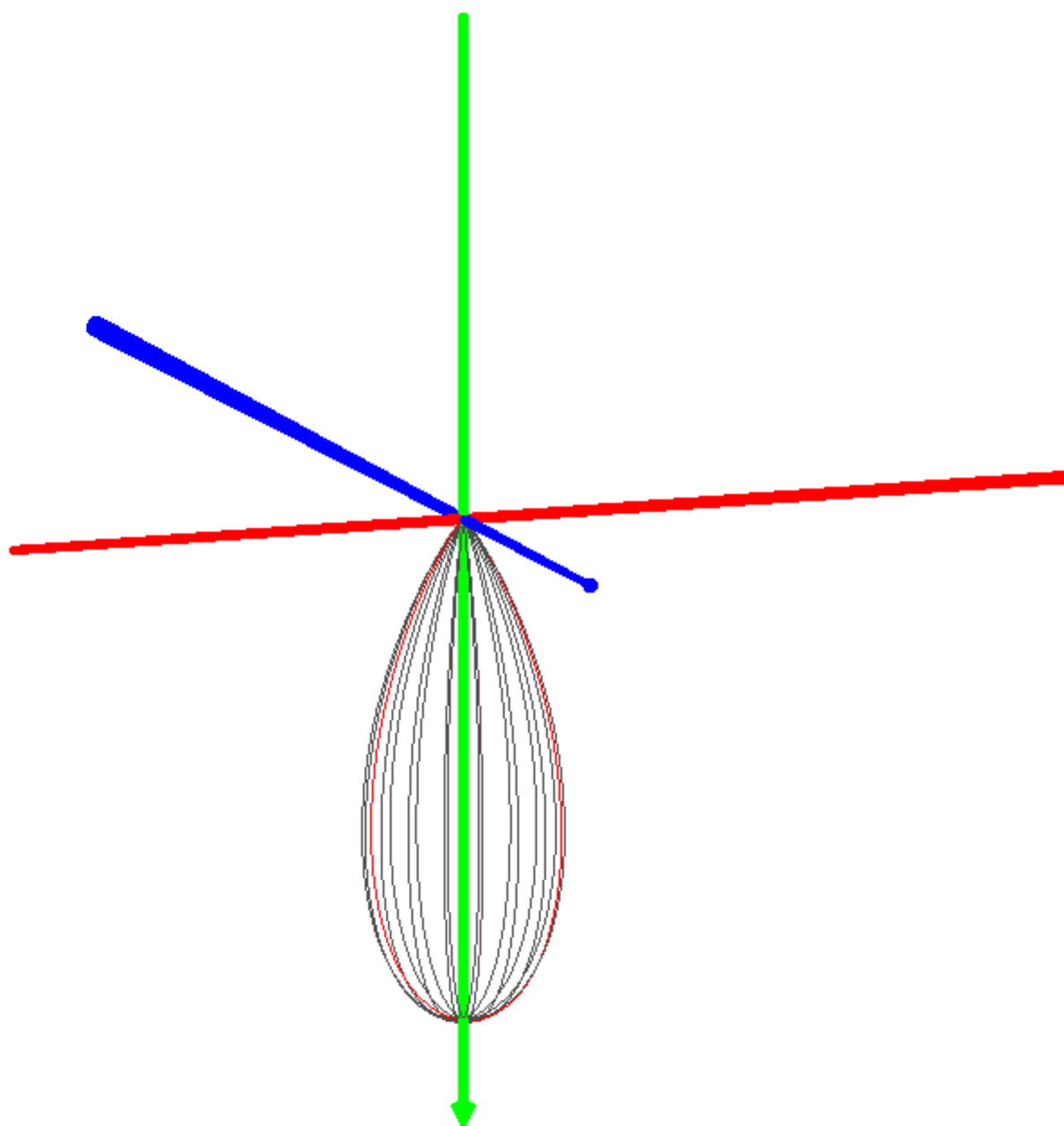
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

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			P(%f)
0	0	0,593	0
1	100,000	100,000	100,000
2	0,00506	0,443	1,66e-05
3	0,0839	97,102	0,085
4	0,00167	0,726	-7,14e-06
5	0,088	95,572	0,0809
6	0,00124	1,002	2,16e-05
7	0,0814	93,351	0,0707
8	0,00211	1,289	2,21e-05
9	0,0876	90,464	0,0691
10	0,00179	1,547	4,07e-05
11	0,0936	86,952	0,0665
12	0,00382	1,775	7,52e-05
13	0,0912	82,868	0,0567
14	0,0036	1,980	9,19e-05
15	0,0939	78,316	0,0508
16	0,00413	2,140	8,25e-05
17	0,0963	73,341	0,0451
18	0,00348	2,262	9,56e-05
19	0,0932	68,058	0,0379
20	0,0042	2,345	0,000114
21	0,0942	62,535	0,0327

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22	0,00382	2,395	0,000106
23	0,0922	56,901	0,0263
24	0,00492	2,402	0,000115
25	0,085	51,183	0,0214
26	0,00473	2,392	0,000106
27	0,0792	45,524	0,0166
28	0,00479	2,323	7,97e-05
29	0,0748	40,009	0,0131
30	0,00425	2,220	6,47e-05
31	0,0682	34,691	0,00956
32	0,00433	2,107	5,7e-05
33	0,0623	29,679	0,00699
34	0,00372	1,980	7,1e-05
35	0,0552	25,007	0,00465
36	0,00395	1,840	6,55e-05
37	0,0476	20,753	0,00323
38	0,00378	1,697	5,53e-05
39	0,0407	17,003	0,00216
40	0,00366	1,550	3,66e-05
41	0,0355	13,795	0,00133
42	0,00321	1,414	3,88e-05
43	0,0288	11,180	0,000855
44	0,00347	1,282	2,42e-05
45	0,0246	9,226	0,000663
46	0,00323	1,178	1,94e-05
47	0,0235	7,934	0,00038
48	0,00363	1,089	1,83e-05
49	0,0208	7,202	0,000381
50	0,00376	1,023	1,05e-05

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