

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: *AZ4844-6000K*
LuminaireName: *Alfa Sonya Track Smart CCT*
LuminaireNumber: *AZ4844-6000K*
FileName: *AZ48446000K.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

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Type of lamps: *LED*
Total luminous flux: *1469,09 lm*
Color temperatur: *6563 K*
Color rendering index: *94,60*
Wattage including ballast: *20,83 W*

Utilization factors:

k = 0.60	<i>0,709</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>0,976</i>

Electrical parameters

<i>U</i>	<i>= 229,697 V</i>
<i>I</i>	<i>= 0,282 A</i>
<i>P</i>	<i>= 20,829 W</i>
<i>Power factor</i>	<i>= 0,322</i>

<i>Power apparent</i>	<i>= 64,765 VA</i>
<i>Power Reactive</i>	<i>= 0,000 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 288,581 %</i>

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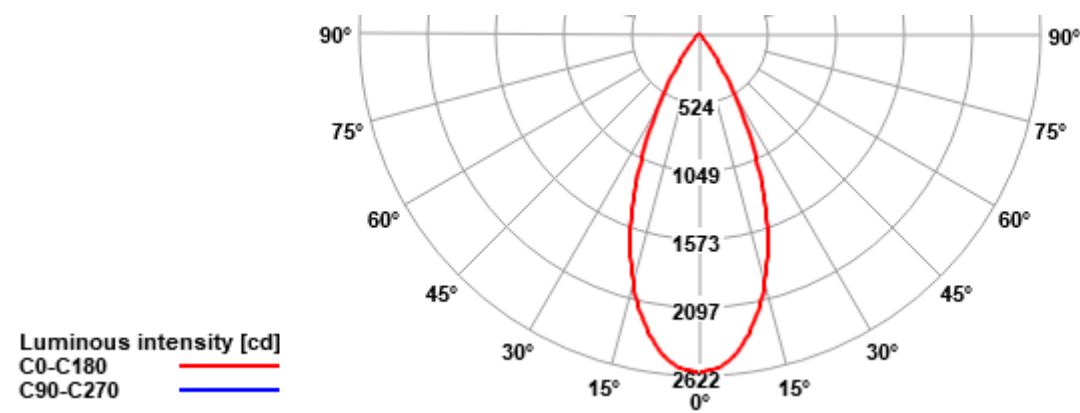
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1469,09 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	2595,86 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	70,53 lm/W

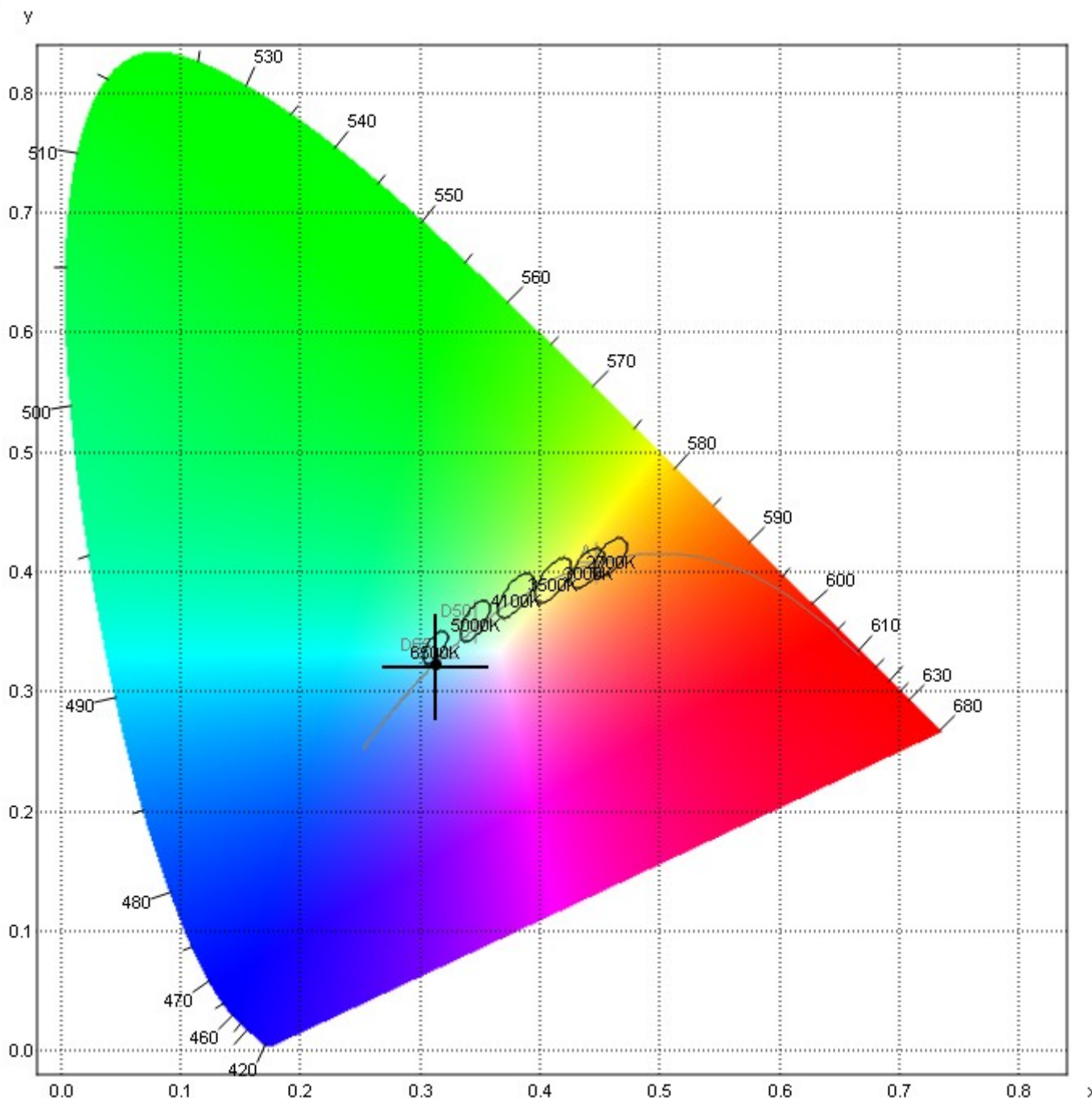
Light intensity distribution diagram



CIE 1931 diagram

x	0,3130
y	0,3202
Angular Colour Uniformity	0,0067

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Beam cone

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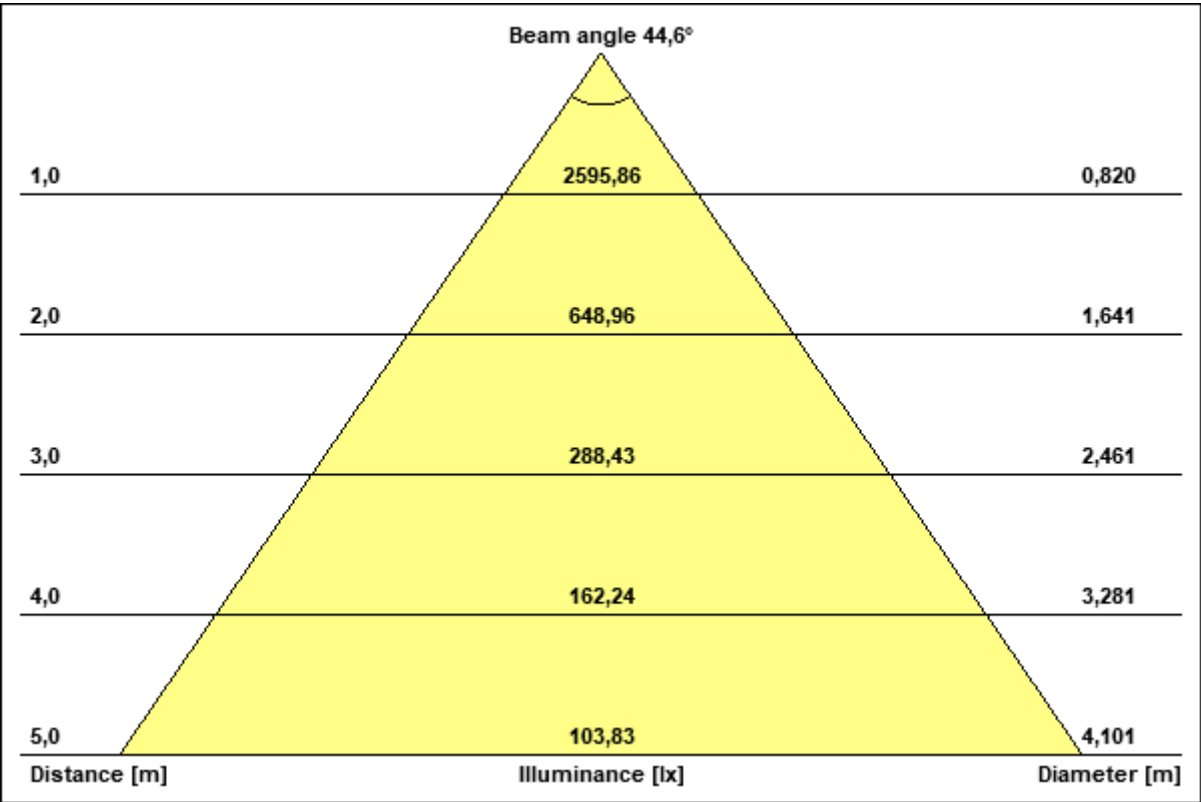
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Stabilization

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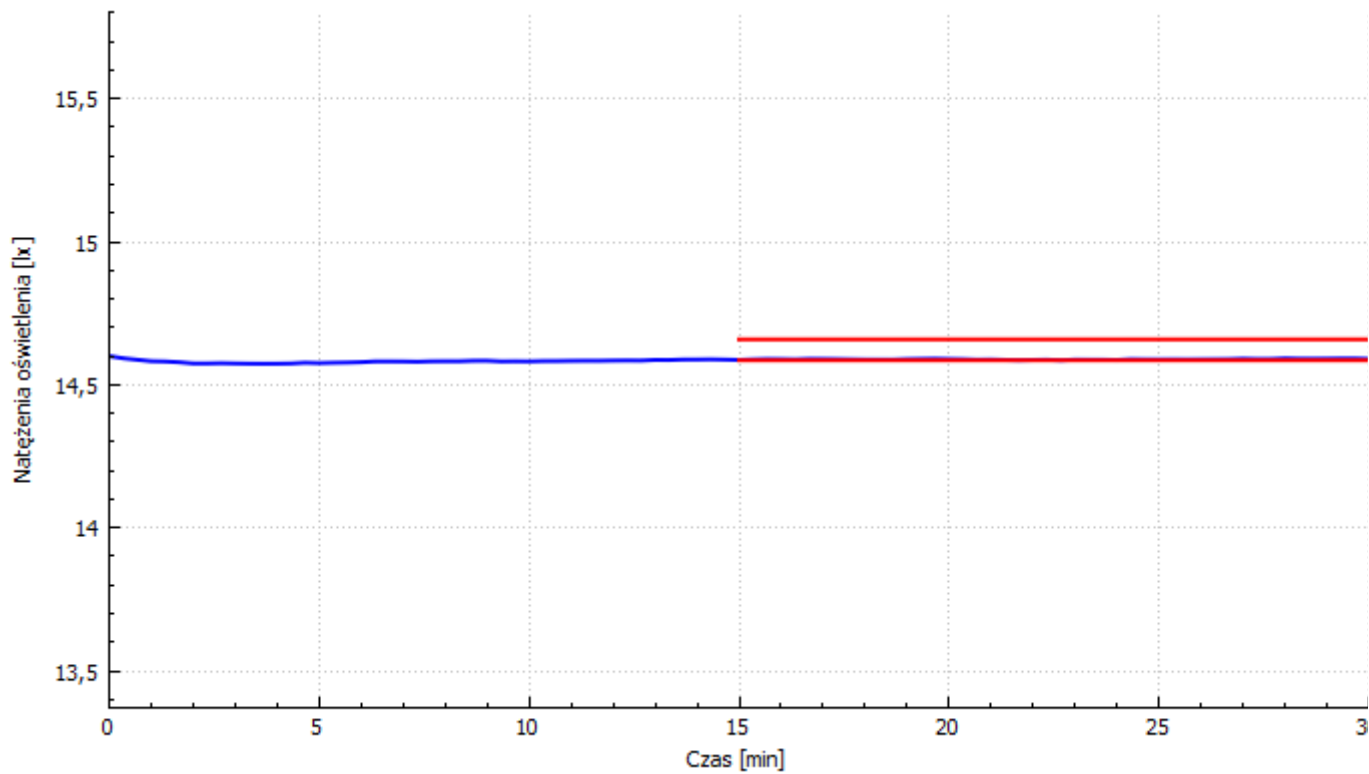
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3D Chart

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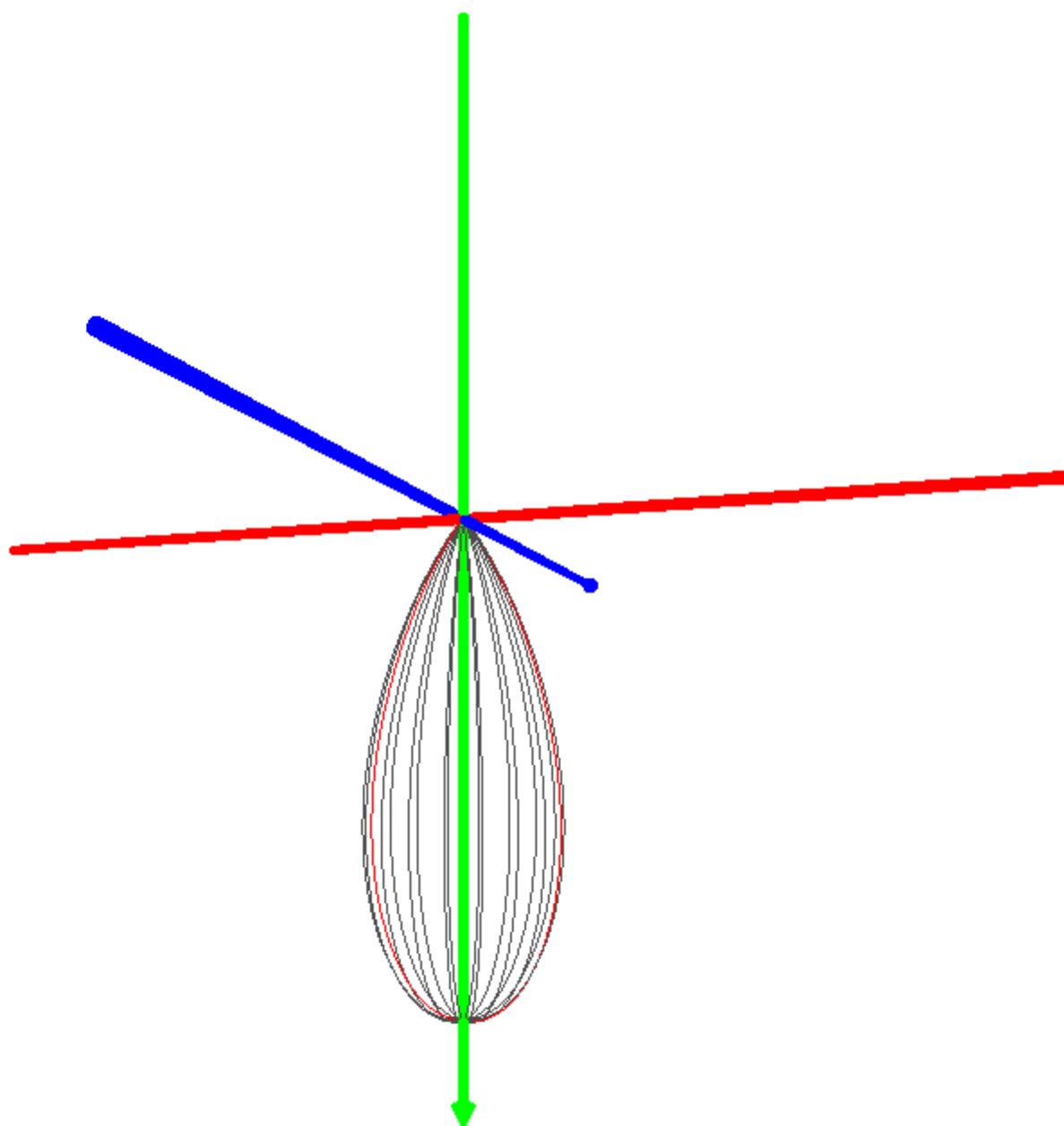
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

I(%f)

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			P(%f)
0	0	0,608	0
1	100,000	100,000	100,000
2	0,00506	0,330	1,49e-05
3	0,0839	96,963	0,0844
4	0,00177	0,625	-2,58e-06
5	0,0873	95,516	0,081
6	0,00111	0,912	2,07e-05
7	0,0816	93,282	0,071
8	0,00267	1,170	2,46e-05
9	0,0874	90,382	0,0683
10	0,002	1,426	3,63e-05
11	0,0934	86,867	0,0658
12	0,00383	1,651	7,54e-05
13	0,0915	82,783	0,0563
14	0,00357	1,844	7,79e-05
15	0,0938	78,212	0,0504
16	0,00378	2,006	7,89e-05
17	0,0959	73,238	0,0448
18	0,00315	2,131	7,7e-05
19	0,0932	67,946	0,0381
20	0,00388	2,226	9,15e-05
21	0,0936	62,418	0,0322

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22	0,00392	2,277	0,000103
23	0,0919	56,755	0,0263
24	0,00515	2,296	0,000124
25	0,0852	51,044	0,021
26	0,00439	2,282	0,000108
27	0,0792	45,379	0,0164
28	0,00495	2,240	8,52e-05
29	0,0747	39,850	0,0128
30	0,00382	2,159	7,08e-05
31	0,0675	34,520	0,00966
32	0,00397	2,064	7,31e-05
33	0,0624	29,507	0,0067
34	0,00349	1,949	6,08e-05
35	0,0552	24,837	0,00474
36	0,00415	1,820	6,55e-05
37	0,0475	20,589	0,00322
38	0,00346	1,688	5,01e-05
39	0,0407	16,839	0,00223
40	0,00323	1,555	3,02e-05
41	0,035	13,636	0,00125
42	0,00303	1,421	2,53e-05
43	0,0287	11,037	0,000977
44	0,00295	1,295	2,91e-05
45	0,0246	9,095	0,000661
46	0,00287	1,184	2,13e-05
47	0,0237	7,840	0,000369
48	0,00401	1,098	1,46e-05
49	0,0203	7,143	0,000324
50	0,00347	1,021	1,15e-05

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