

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting*
Model name: *Alfa Track Makita 2 Smart*
Item No: *AZ4838*
Serial No.:
Made by: *A. Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *AZ4838-3000K*
LuminaireName: *Alfa Makita 2 Track Smart*
LuminaireNumber: *AZ4838-3000K*
FileName: *AZ48383000K.Idt*
Date: *2024-06-07*

Dimensions of luminaire

Length: *125 mm*
Width: *50 mm*
Height: *175 mm*

Dimensions of luminous area

Length: *120 mm*
Width: *40 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: *959,32 lm*
Color temperatur: *2710 K*
Color rendering index: *86,48*
Wattage including ballast: *14,44 W*

Utilization factors:

k = 0.60	<i>0,703</i>
k = 0.80	<i>0,749</i>
k = 1.00	<i>0,799</i>
k = 1.25	<i>0,836</i>
k = 1.50	<i>0,864</i>
k = 2.00	<i>0,917</i>
k = 2.50	<i>0,926</i>
k = 3.00	<i>0,940</i>
k = 4.00	<i>0,961</i>
k = 5.00	<i>0,975</i>

Electrical parameters

<i>U</i>	<i>= 229,627 V</i>
<i>I</i>	<i>= 0,201 A</i>
<i>P</i>	<i>= 14,442 W</i>
<i>Power factor</i>	<i>= 0,313</i>

<i>Power apparent</i>	<i>= 46,162 VA</i>
<i>Power Reactive</i>	<i>= -43,859 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 292,846 %</i>

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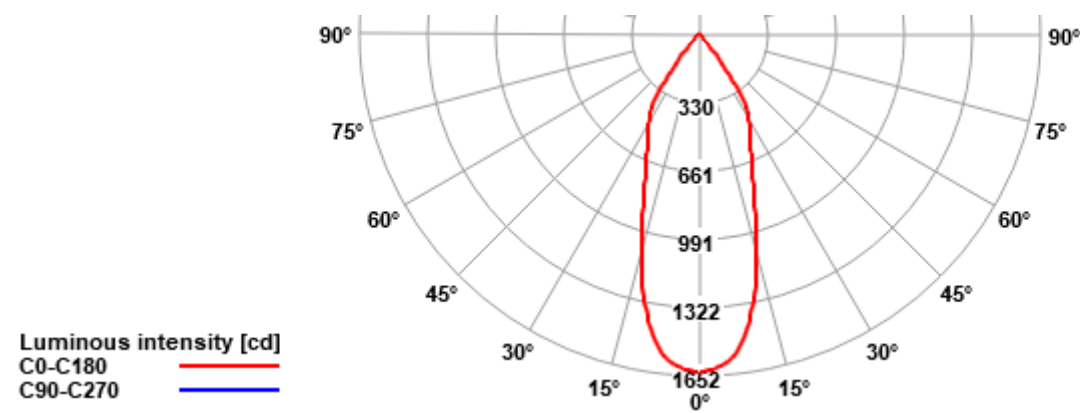
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	959,32 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	1635,95 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	66,43 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,4590
y	0,4104
Angular Colour Uniformity	0,0013

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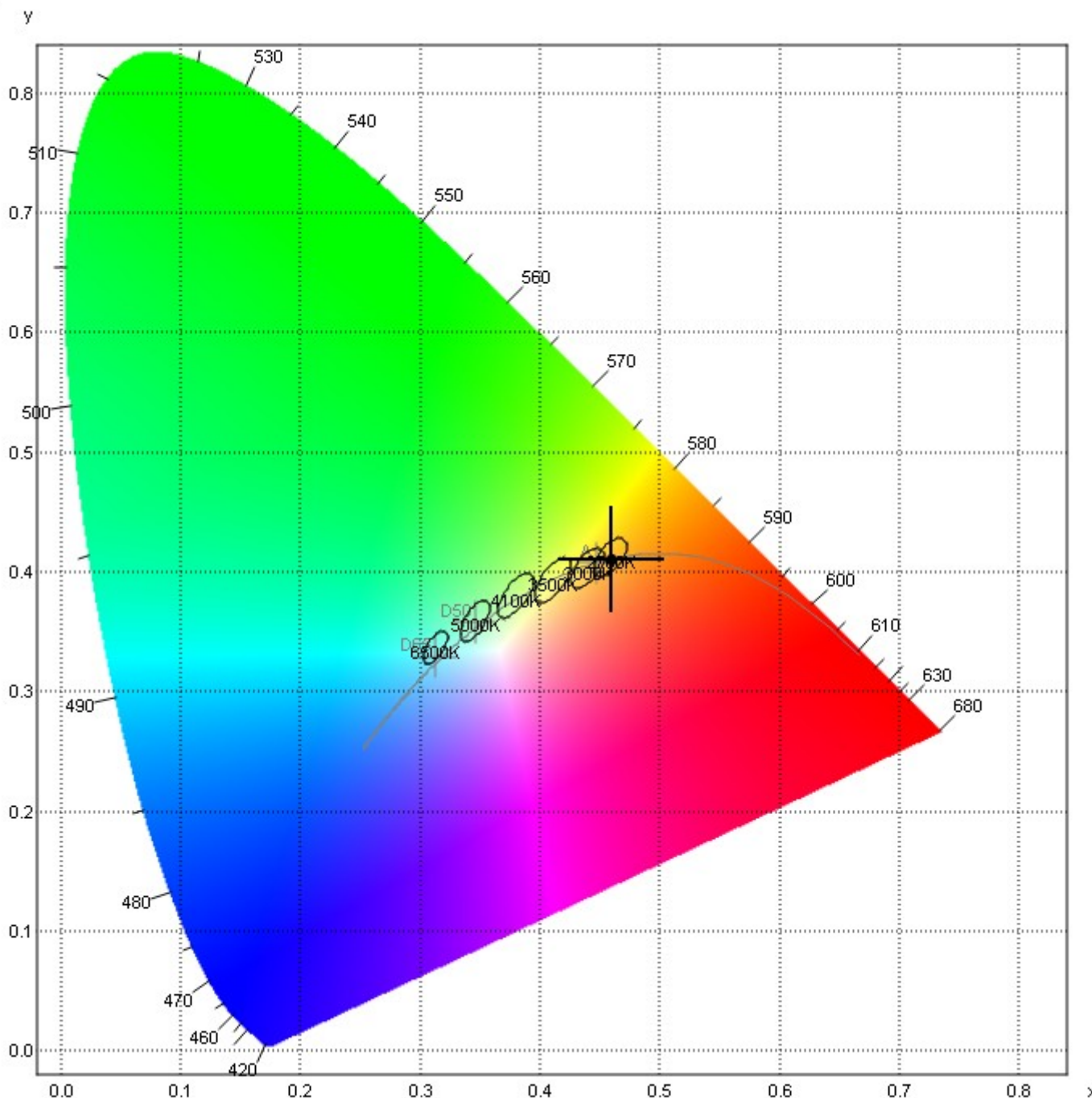
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Beam cone

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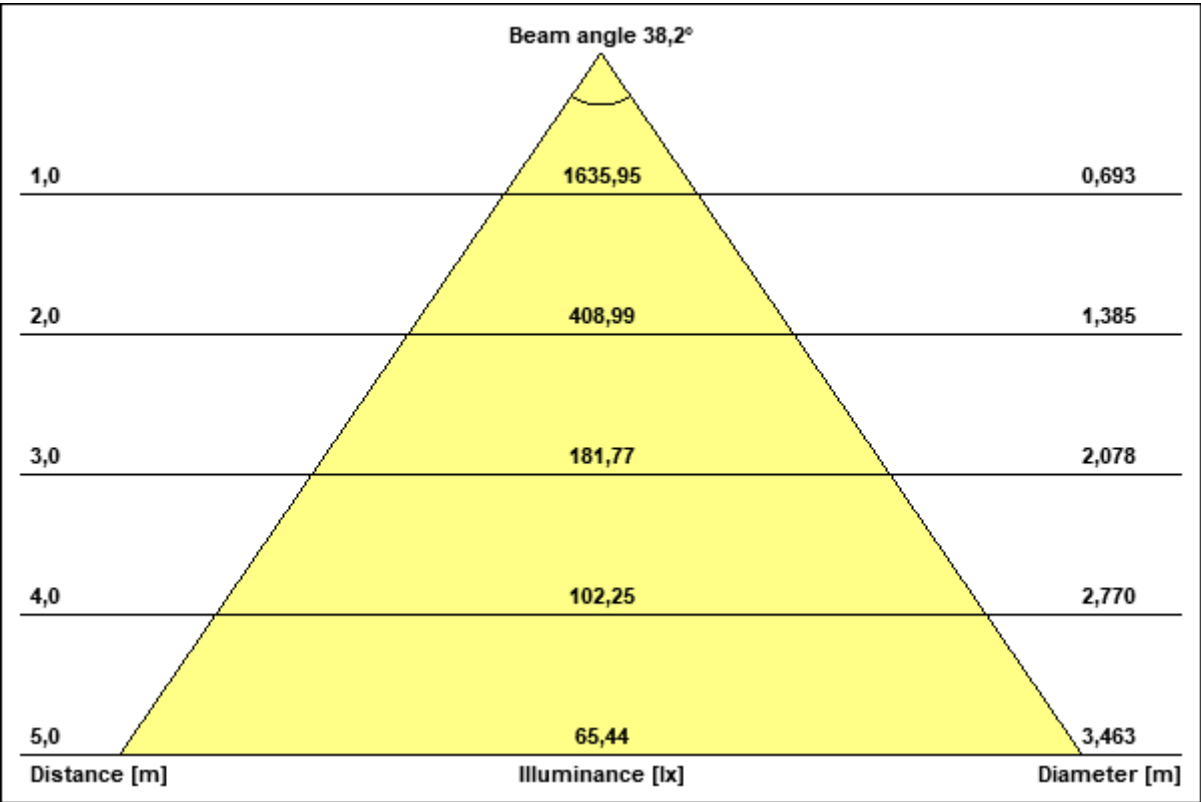
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Stabilization

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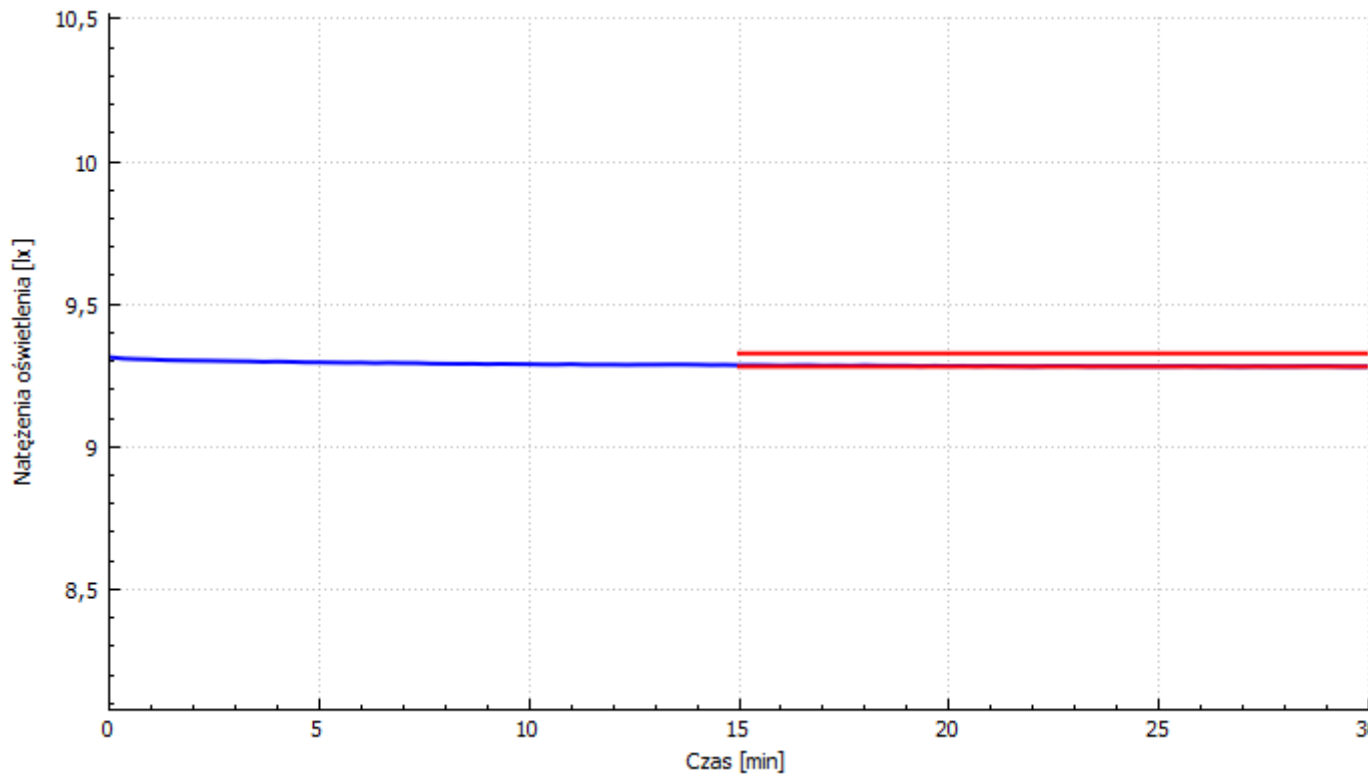
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3D Chart

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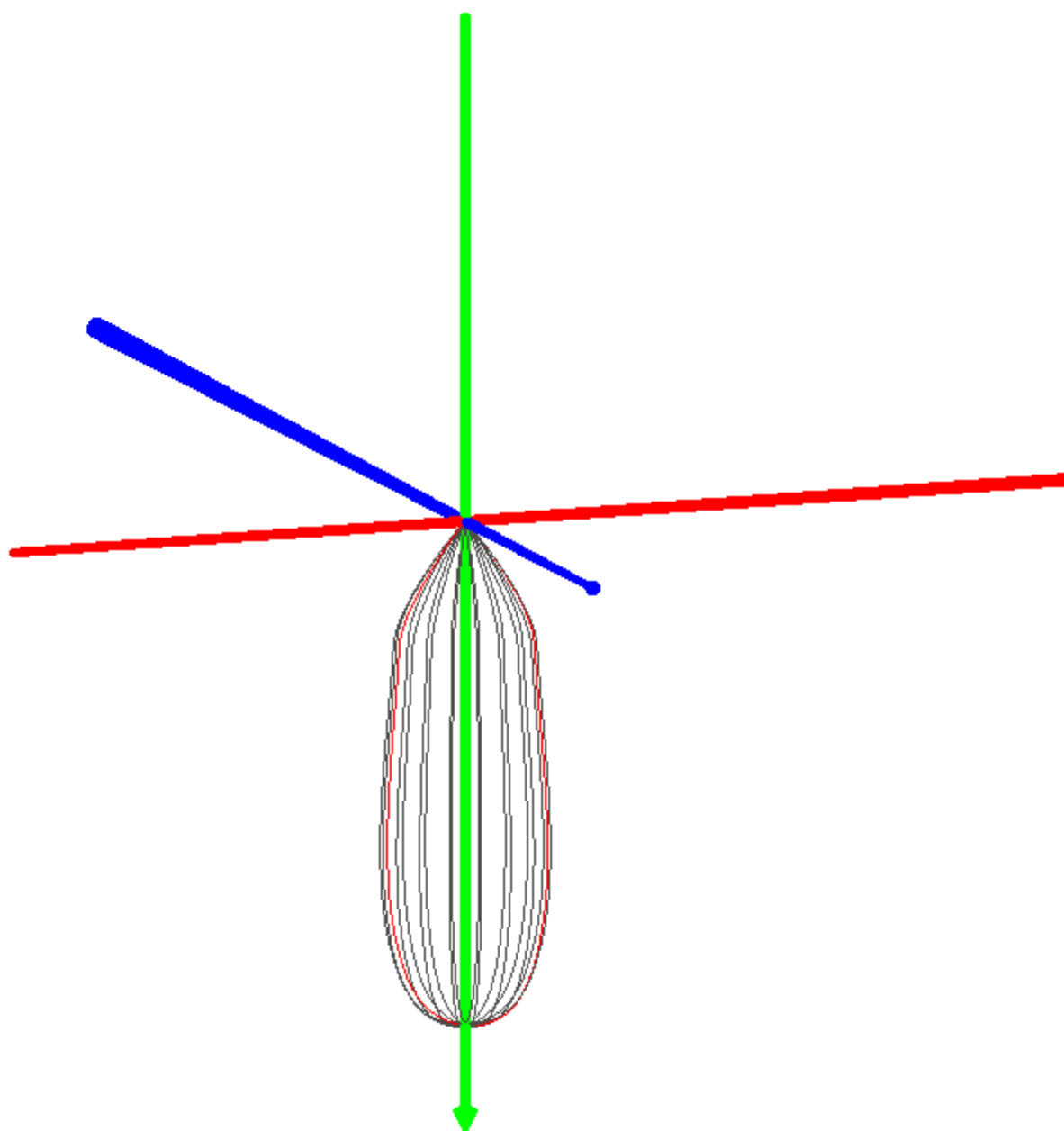
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

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			P(%f)
0	0	0,842	0
1	100,000	100,000	100,000
2	0,00515	2,744	7,9e-05
3	0,0608	95,810	0,0624
4	0,00205	2,859	1,66e-05
5	0,0657	94,501	0,0608
6	0,00165	3,031	3,87e-05
7	0,058	92,514	0,0512
8	0,00194	3,234	3,57e-05
9	0,0633	89,901	0,0498
10	0,00141	3,462	4,7e-05
11	0,068	86,740	0,0497
12	0,00299	3,667	6,66e-05
13	0,0654	83,047	0,0416
14	0,00306	3,848	7,4e-05
15	0,0677	78,921	0,0385
16	0,00388	3,992	8,68e-05
17	0,0702	74,390	0,0347
18	0,00328	4,104	7,75e-05
19	0,0678	69,532	0,0296
20	0,00337	4,149	8,91e-05
21	0,0694	64,449	0,026

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22	0,0033	4,154	7,14e-05
23	0,0692	59,219	0,022
24	0,00383	4,099	8,6e-05
25	0,064	53,861	0,017
26	0,00418	3,998	9,06e-05
27	0,0599	48,522	0,0135
28	0,00426	3,845	8,42e-05
29	0,0567	43,255	0,0109
30	0,00436	3,656	6,08e-05
31	0,0527	38,117	0,00859
32	0,00366	3,436	5,85e-05
33	0,0497	33,219	0,00631
34	0,00334	3,163	5,74e-05
35	0,0454	28,584	0,0048
36	0,00392	2,892	5,22e-05
37	0,04	24,272	0,00341
38	0,00369	2,608	4,26e-05
39	0,035	20,365	0,00233
40	0,00337	2,323	3,23e-05
41	0,0313	16,907	0,00173
42	0,00268	2,060	1,18e-05
43	0,0253	13,922	0,00109
44	0,00211	1,818	1,34e-05
45	0,021	11,490	0,000668
46	0,00259	1,615	2,27e-05
47	0,0211	9,672	0,000601
48	0,0027	1,457	2,35e-05
49	0,017	8,383	0,000267
50	0,00315	1,356	1,24e-05

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