

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: *AZ4838-6000K*
LuminaireName: *Alfa Makita 2 Track Smart*
LuminaireNumber: *AZ4838-6000K*
FileName: *AZ48386000K.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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SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN

Type of lamps: *LED*
Total luminous flux: *1273,59 lm*
Color temperatur: *6284 K*
Color rendering index: *82,64*
Wattage including ballast: *14,41 W*

Utilization factors:

k = 0.60	<i>0,702</i>
k = 0.80	<i>0,749</i>
k = 1.00	<i>0,798</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>= 229,626 V</i>
<i>I</i>	<i>= 0,201 A</i>
<i>P</i>	<i>= 14,413 W</i>
<i>Power factor</i>	<i>= 0,313</i>

<i>Power apparent</i>	<i>= 46,101 VA</i>
<i>Power Reactive</i>	<i>= -43,780 var</i>
<i>Frequency Voltage</i>	<i>= 50,002 Hz</i>
<i>THD</i>	<i>= 292,893 %</i>

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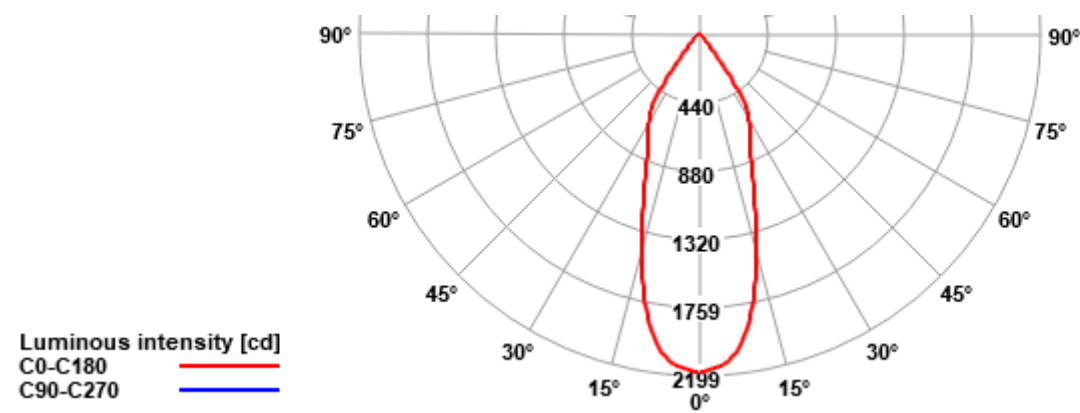
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Temperature = 25 C

Goniometric measurement results

Total flux (utilized luminarie flux)	1273,59 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	2177,54 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	88,38 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x	0,3155
y	0,3417
Angular Colour Uniformity	0,0034

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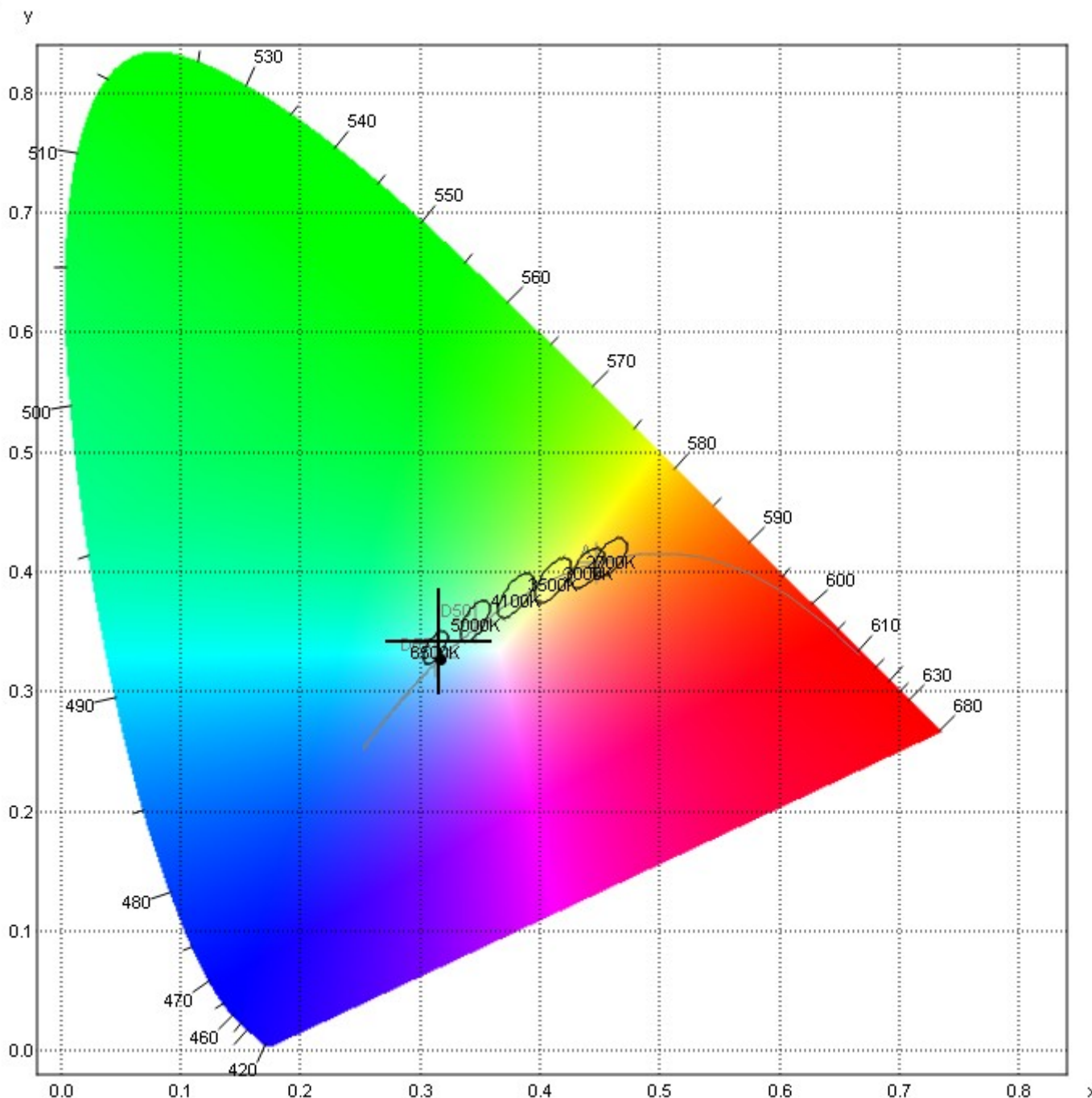
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Beam cone

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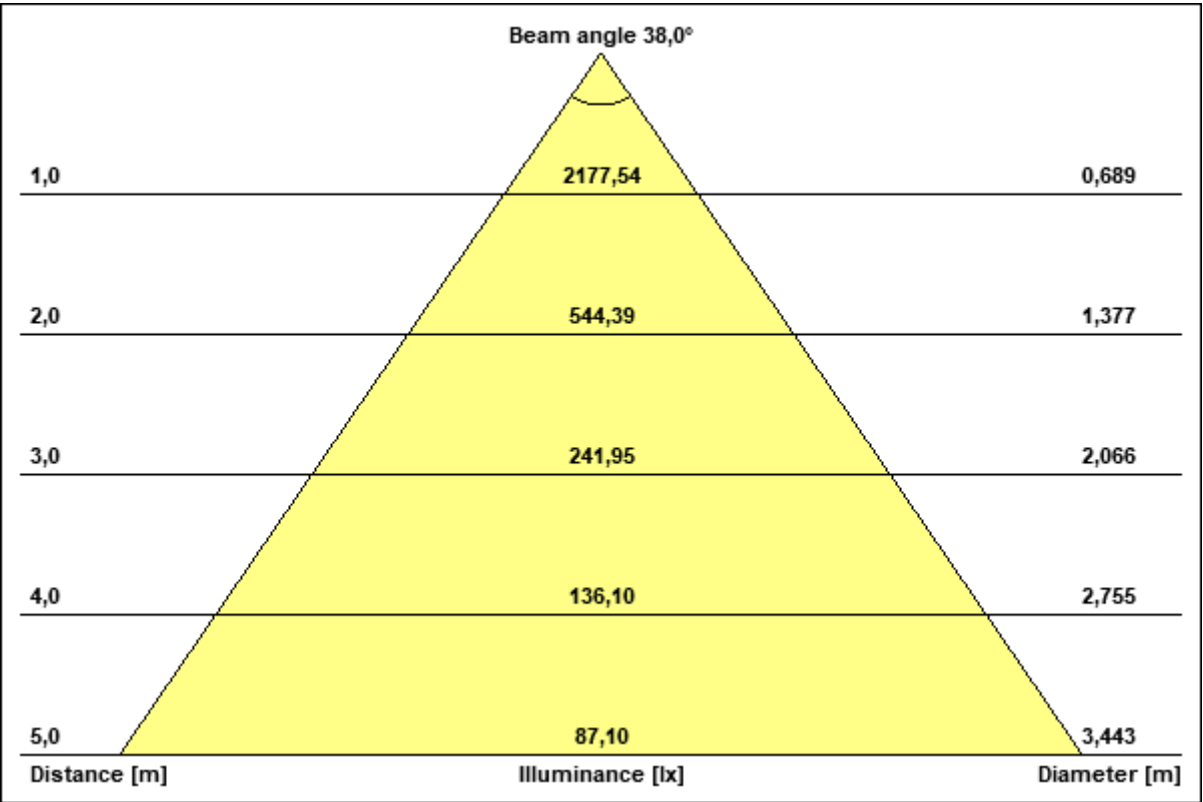
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Stabilization

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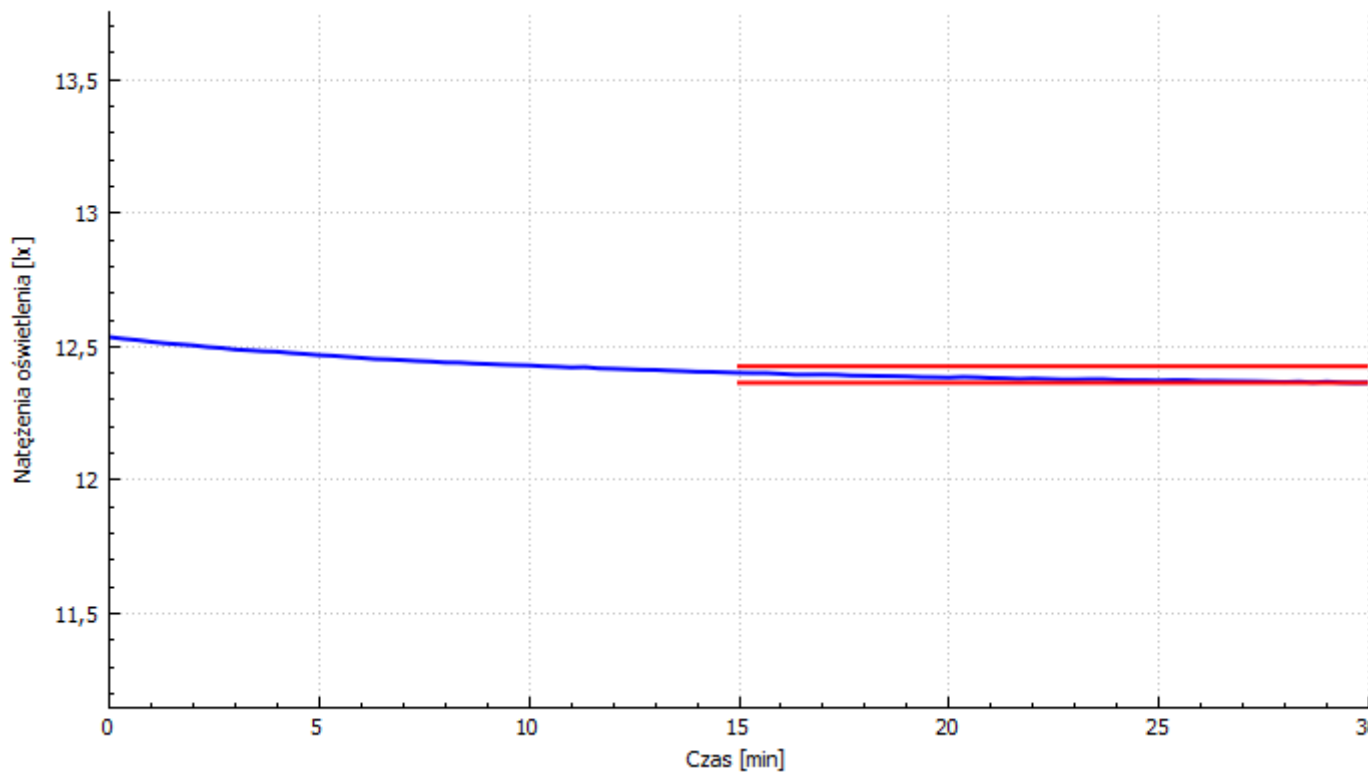
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3D Chart

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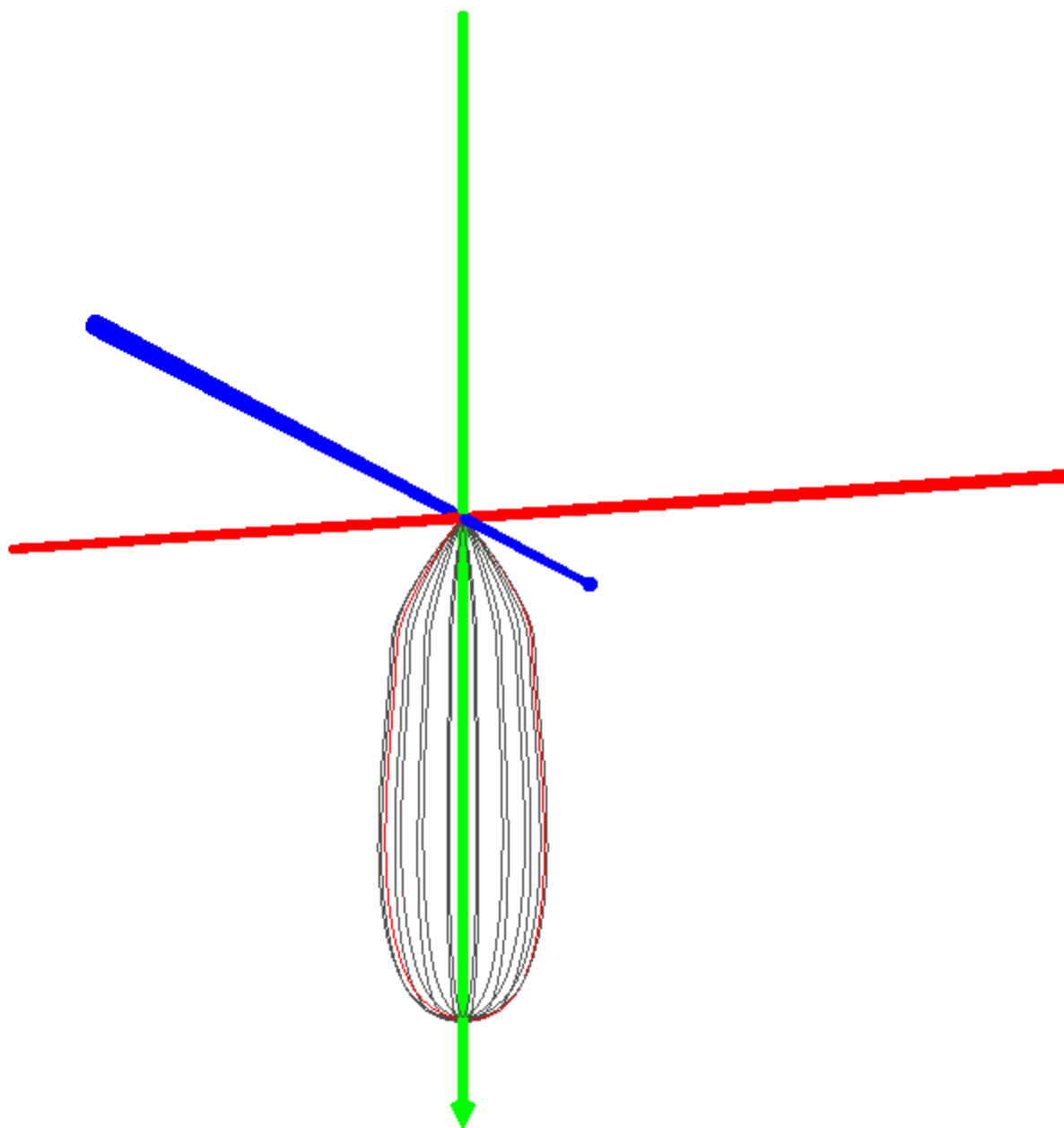
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Legend

- C0-C180

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- C90-C270

- G0-G180

U(%f)

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			P(%f)
0	0,00393	0,587	-1,6e-05
1	100,000	100,000	100,000
2	0,0056	2,248	6,43e-05
3	0,0607	95,739	0,0626
4	0,00247	2,366	2,97e-05
5	0,0655	94,448	0,0602
6	0,00197	2,534	2,54e-05
7	0,0578	92,458	0,051
8	0,00213	2,718	3,21e-05
9	0,0631	89,848	0,0498
10	0,00172	2,928	5,76e-05
11	0,0684	86,701	0,05
12	0,00312	3,125	6,12e-05
13	0,0653	83,010	0,0421
14	0,00302	3,297	7,75e-05
15	0,0678	78,890	0,0387
16	0,00418	3,448	9,61e-05
17	0,07	74,362	0,0343
18	0,00376	3,546	9,45e-05
19	0,0678	69,526	0,0294
20	0,00381	3,604	7,88e-05
21	0,0693	64,439	0,0261

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22	0,00371	3,622	9,7e-05
23	0,0691	59,215	0,0222
24	0,00453	3,570	0,000133
25	0,0636	53,868	0,0174
26	0,00516	3,498	0,000138
27	0,06	48,528	0,0139
28	0,00532	3,391	0,000107
29	0,0569	43,271	0,011
30	0,00513	3,225	9,61e-05
31	0,0518	38,143	0,00848
32	0,00444	3,030	6,86e-05
33	0,0496	33,241	0,00648
34	0,00428	2,827	7,16e-05
35	0,0456	28,612	0,00496
36	0,00391	2,586	5,81e-05
37	0,0395	24,310	0,00345
38	0,00391	2,347	5,14e-05
39	0,0348	20,398	0,0023
40	0,00393	2,118	3,91e-05
41	0,031	16,936	0,00166
42	0,00326	1,904	2,6e-05
43	0,0253	13,944	0,00109
44	0,00252	1,700	2,42e-05
45	0,0209	11,506	0,000787
46	0,00275	1,517	1,87e-05
47	0,0207	9,679	0,000629
48	0,00295	1,397	1,79e-05
49	0,0169	8,400	0,000326
50	0,00341	1,303	1,87e-05

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