

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting Company*

Model name: *MALTA R18 4000K WH*

Item No: *AZ4234*

Serial No.:

Made by: *Adam Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*

Report number: *1*

LuminaireName: *Malta R18 3000K*

LuminaireNumber: *AZ4234*

FileName: *AZ4234.Idt*

Date: *2021-04-27*

Dimensions of luminaire

Length: *170 mm*

Width: *0 mm*

Height: *25 mm*

Dimensions of luminous area

Length: *145 mm*

Width: *0 mm*

C0-plane *0 mm*

C90-plane *0 mm*

C180-plane *0 mm*

C270-plane *0 mm*

Lamps:

Number of lamps: -1
Type of lamps: LED
Total luminous flux: 1063,93 lm
Color temperatur: 3817.87 K
Color rendering index: 82,56
Wattage including ballast: 12,63 W

Utilization factors:

k = 0.60	0,292
k = 0.80	0,376
k = 1.00	0,451
k = 1.25	0,524
k = 1.50	0,581
k = 2.00	0,669
k = 2.50	0,719
k = 3.00	0,757
k = 4.00	0,810
k = 5.00	0,843

Electrical parameters

U = 229,596 V
I = 0,145 A
P = 12,632 W
Power factor = 0,379

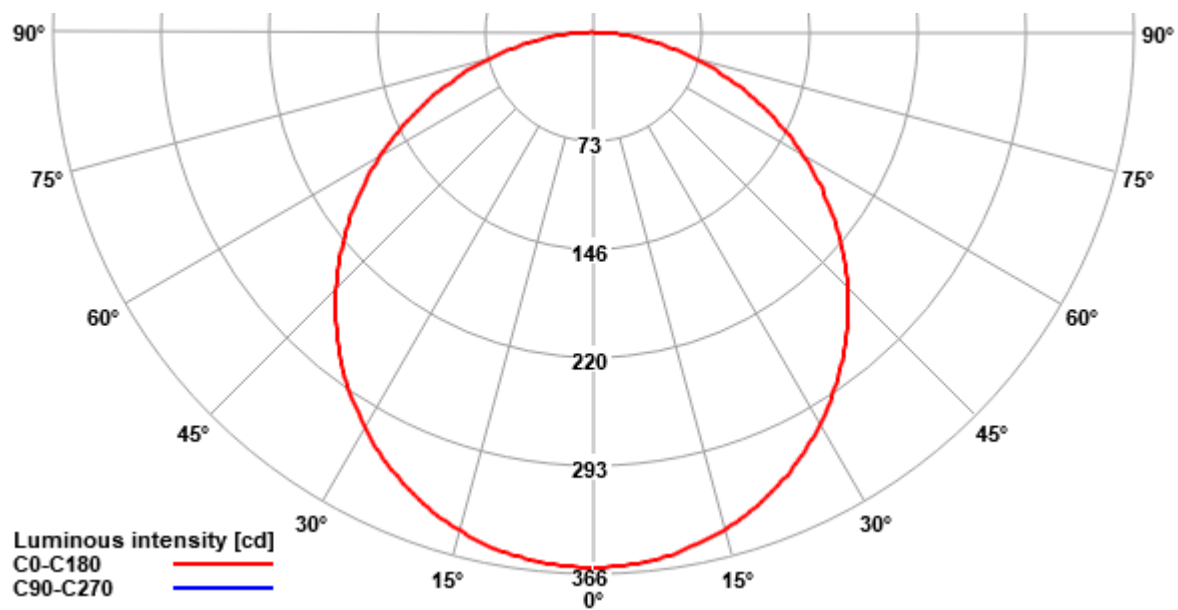
Power apparent = 33,359 VA
Power Reactive = -30,872 var
Frequency Voltage = 50,002 Hz
THD = 229,605 %

Temperature = 22 C

Goniometric measurement results

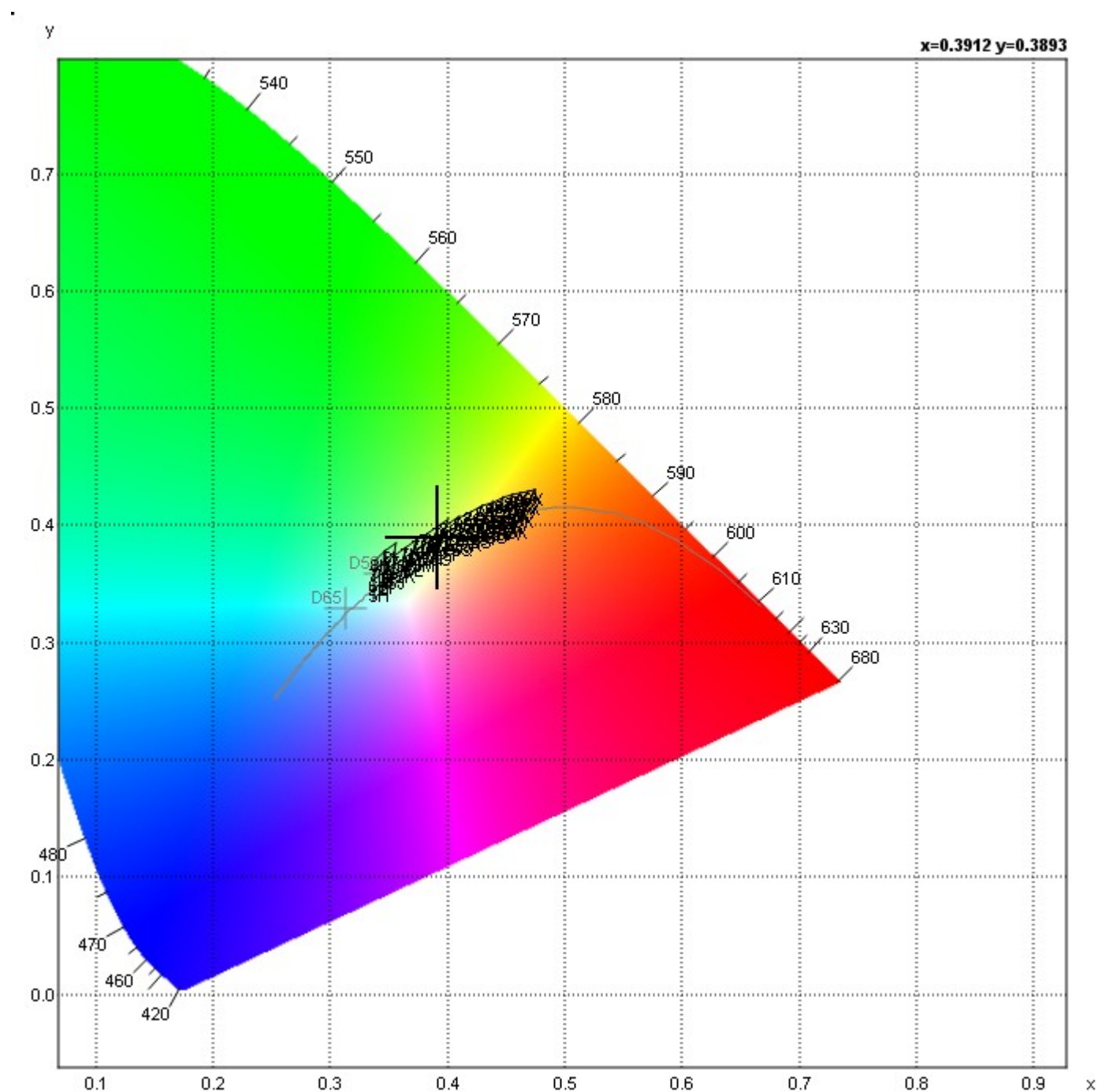
Total flux (utilized luminarie flux)	1063,93 <i>lm</i>
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	363,25 <i>cd</i>
Light output ratio (LOR)	100,00 %
Luminous efficacy	84,24 <i>lm/W</i>

Light intensity distribution diagram



CIE 1931 diagram

x 0,3912
y 0,3893
Angular Colour Uniformity 0,0011



GL Optic R&D Center Sp. z o.o.

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Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

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EUR: IBAN 06 1750 0012 0000 0000 2709 9467

SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000 PLN

Beam cone

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Stabilization

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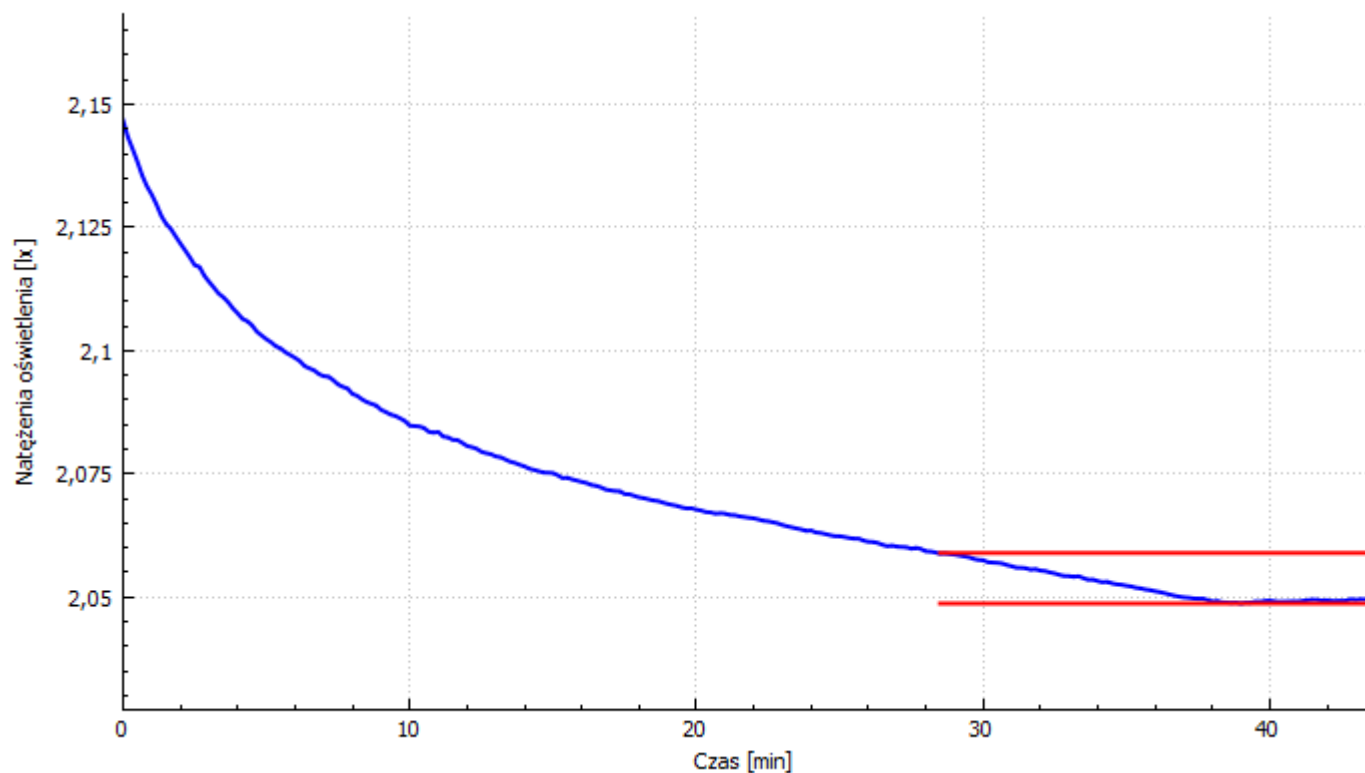
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3D Chart

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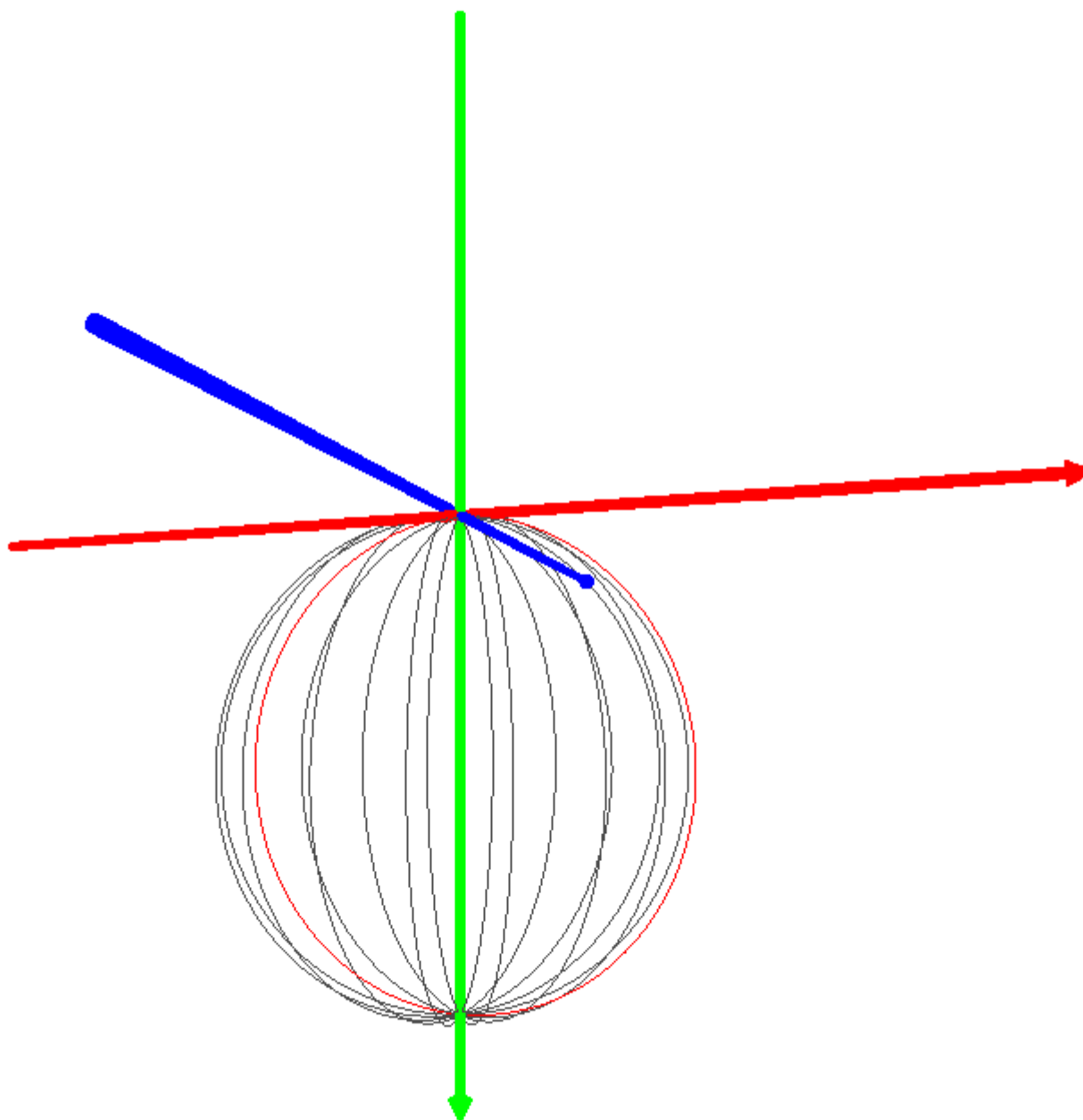
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Legend

- C0-C180
- C90-C270
- G0-G180

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Extended electrical report

	U(%f)	I(%f)	P(%f)
0	0	1,322	0
1	100,000	100,000	100,000
2	0,00399	0,208	-7,81e-06
3	0,0563	94,861	0,0545
4	0,00206	0,202	4,99e-06
5	0,0569	91,596	0,0512
6	0	0,207	0
7	0,0499	86,809	0,0416
8	0,00199	0,217	4,23e-06
9	0,052	80,745	0,0382
10	0,00117	0,226	1,6e-06
11	0,0511	73,744	0,0305
12	0,00167	0,240	1,9e-06
13	0,0493	66,053	0,0265
14	0	0,251	0
15	0,0457	58,051	0,0195
16	0	0,253	0
17	0,0414	50,049	0,0134
18	0,00149	0,251	3,6e-06
19	0,0381	42,326	0,0101
20	0,00156	0,260	3,77e-06
21	0,0316	35,167	0,00655
22	0,00122	0,232	2,33e-06
23	0,0268	28,779	0,00481
24	0	0,254	0
25	0,0256	23,300	0,0031
26	0,00085	0,256	2,65e-06
27	0,0223	18,778	0,00193
28	0	0,245	0
29	0,0179	15,172	0,00123
30	0	0,240	0
31	0,0154	12,395	0,00084
32	0	0,227	0
33	0,0145	10,284	0,00072
34	0	0,214	0
35	0,0131	8,677	0,000457
36	0,000855	0,208	1,11e-06
37	0,0105	7,467	0,000279
38	0	0,194	0
39	0,0103	6,633	0,0003
40	0	0,190	0
41	0,0114	6,157	0,000223
42	0,000877	0	0

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43	0,00972	5,957	0,000188
44	0	0	0
45	0,0094	5,959	0,000235
46	0	0	0
47	0,0117	6,008	0,000184
48	0	0	0
49	0,012	5,980	0,000281
50	0	0	0