

GL GONIOSPECTROMETER MEASUREMENT TAG LIST

Report Wizard Sample Description Lines

Client name: *Azzardo Lighting Company*
Model name: *MONZA II S 17 3000K SMART WIFI BK*
Item No: *AZ3257*
Serial No.:
Made by: *Adam Nawrot*

Eulumdat Fields

Dimensions of luminaire

Company: *Azzardo*
Report number: *TECH_LED_2*
LuminaireName: *Monza II S17 3000*
LuminaireNumber: *AZ3257*
FileName: *AZ3257.Idt*
Date: *2020-11-25*

Dimensions of luminaire

Length: *170 mm*
Width: *170 mm*
Height: *60 mm*

Dimensions of luminous area

Length: *166 mm*
Width: *166 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: 994,80 lm
Color temperatur: 3077.12 K
Color rendering index: 82,25
Wattage including ballast: 16,21 W

Utilization factors:

k = 0.60	0,294
k = 0.80	0,379
k = 1.00	0,453
k = 1.25	0,527
k = 1.50	0,584
k = 2.00	0,672
k = 2.50	0,722
k = 3.00	0,760
k = 4.00	0,812
k = 5.00	0,845

Electrical parameters

U = 229,674 V
 I = 0,175 A
 P = 16,213 W
Power factor = 0,402

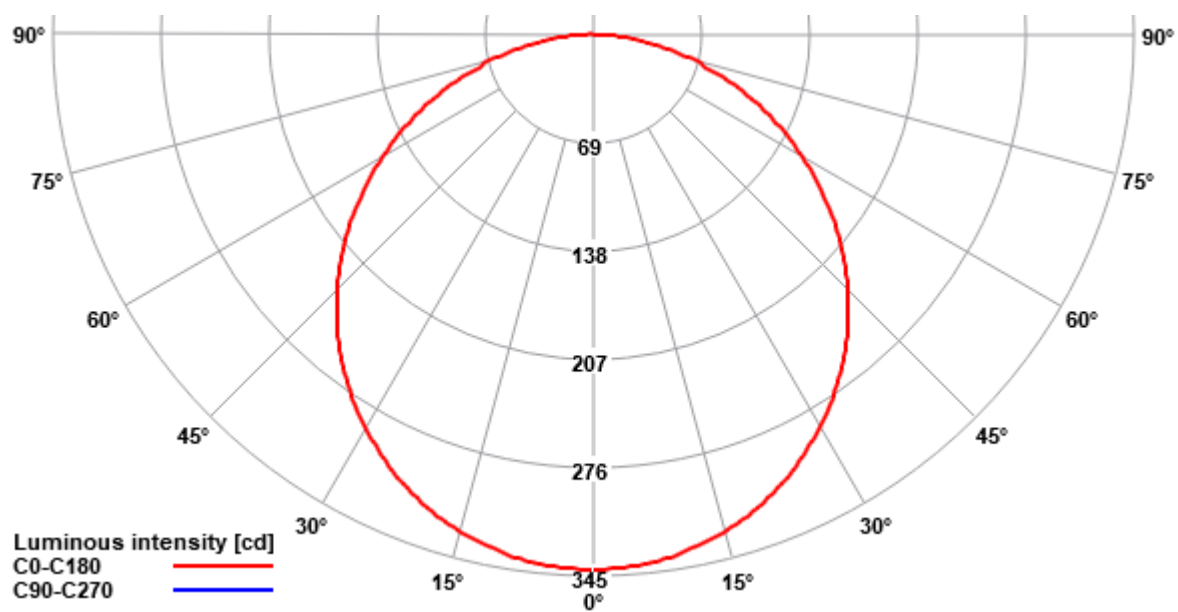
Power apparent = 40,307 VA
Power Reactive = -36,904 var
Frequency Voltage = 50,002 Hz
THD = 199,020 %

Temperature = 22 C

Goniometric measurement results

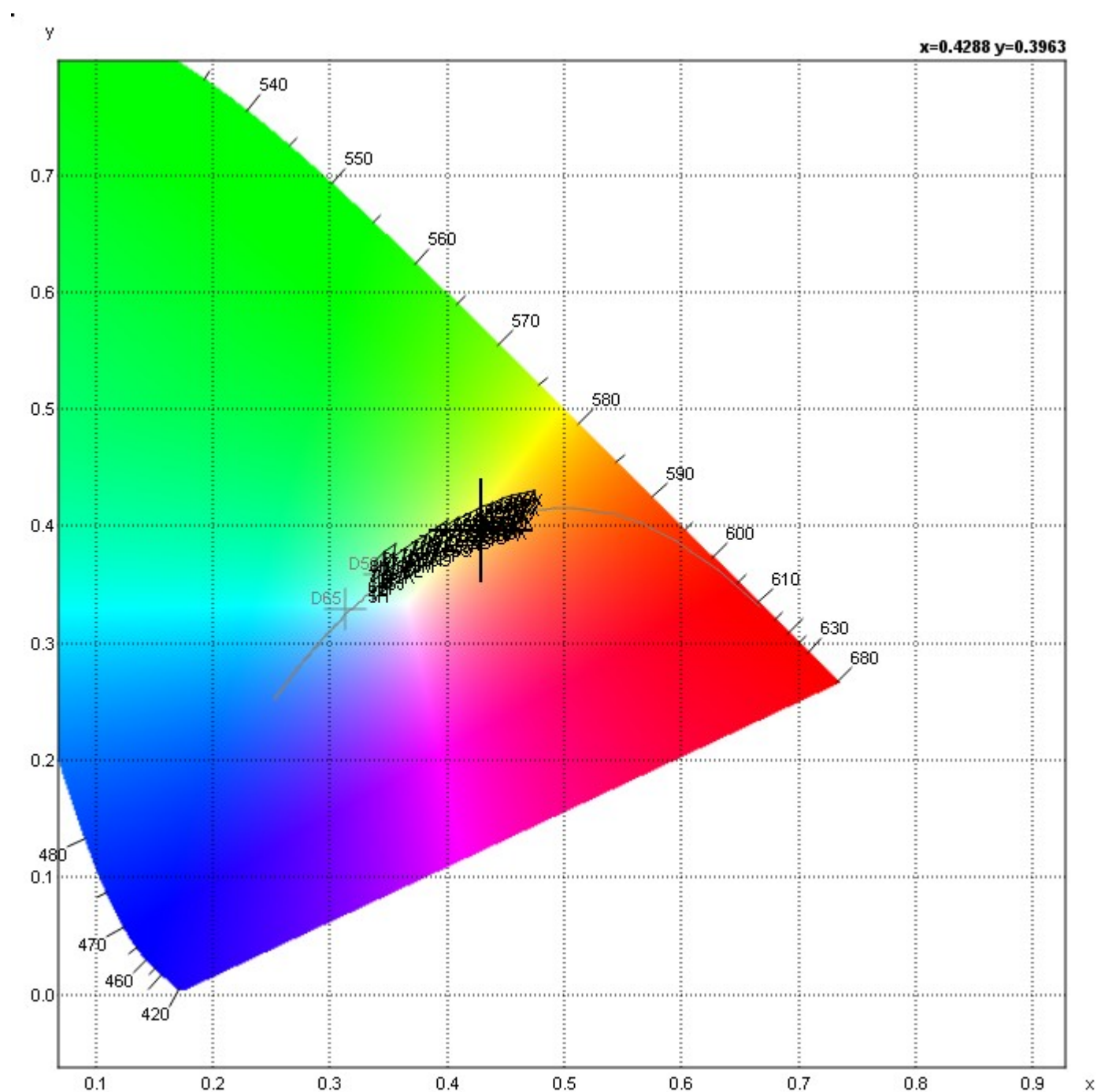
Total flux (utilized luminarie flux)	994,80 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	0,00 %
Maximum luminous intensity	341,83 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	61,37 lm/W

Light intensity distribution diagram



CIE 1931 diagram

x 0,4288
y 0,3963
Angular Colour Uniformity 0,0007



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

ul. Poznańska 70

PL-62-040 Puszczkowo; Poland

Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

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 200.000 PLN

Beam cone

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

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

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



Stabilization

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

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

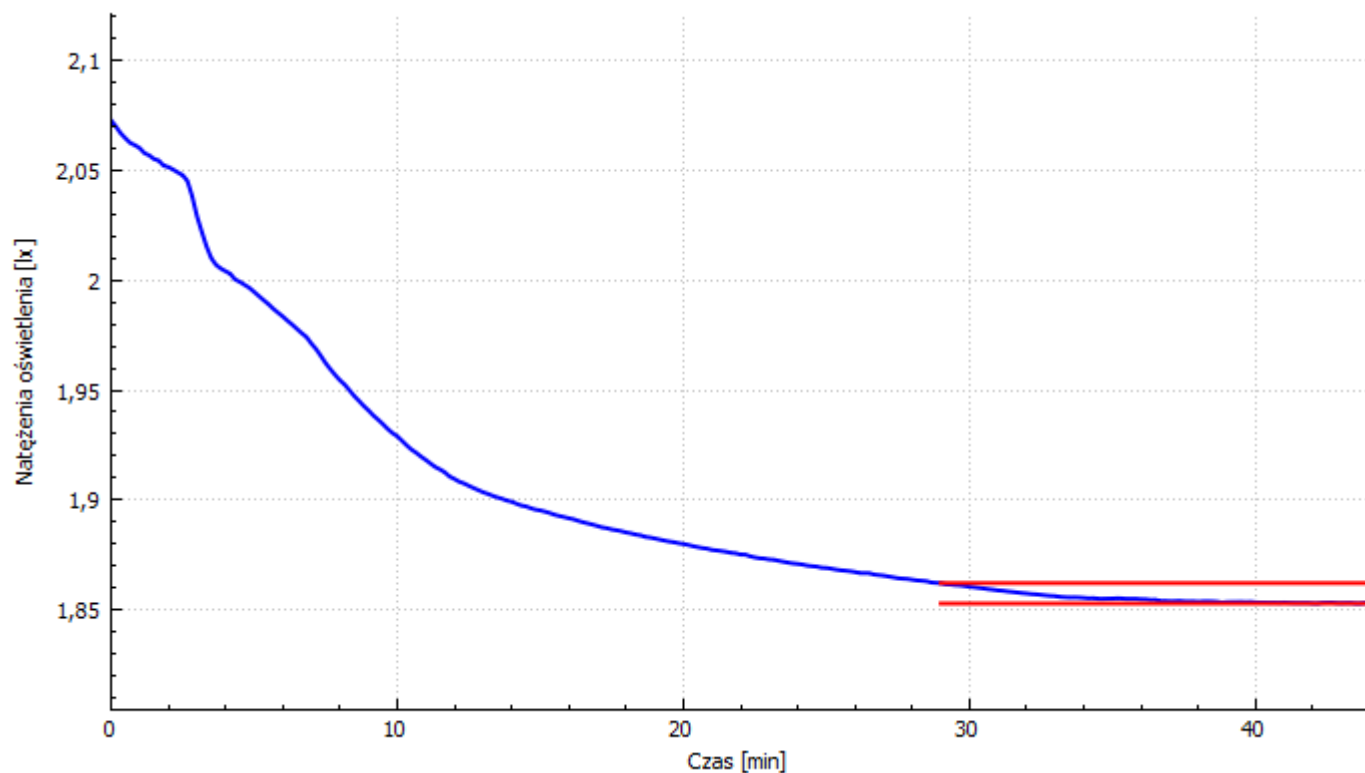
SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000PLN



3D Chart

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

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

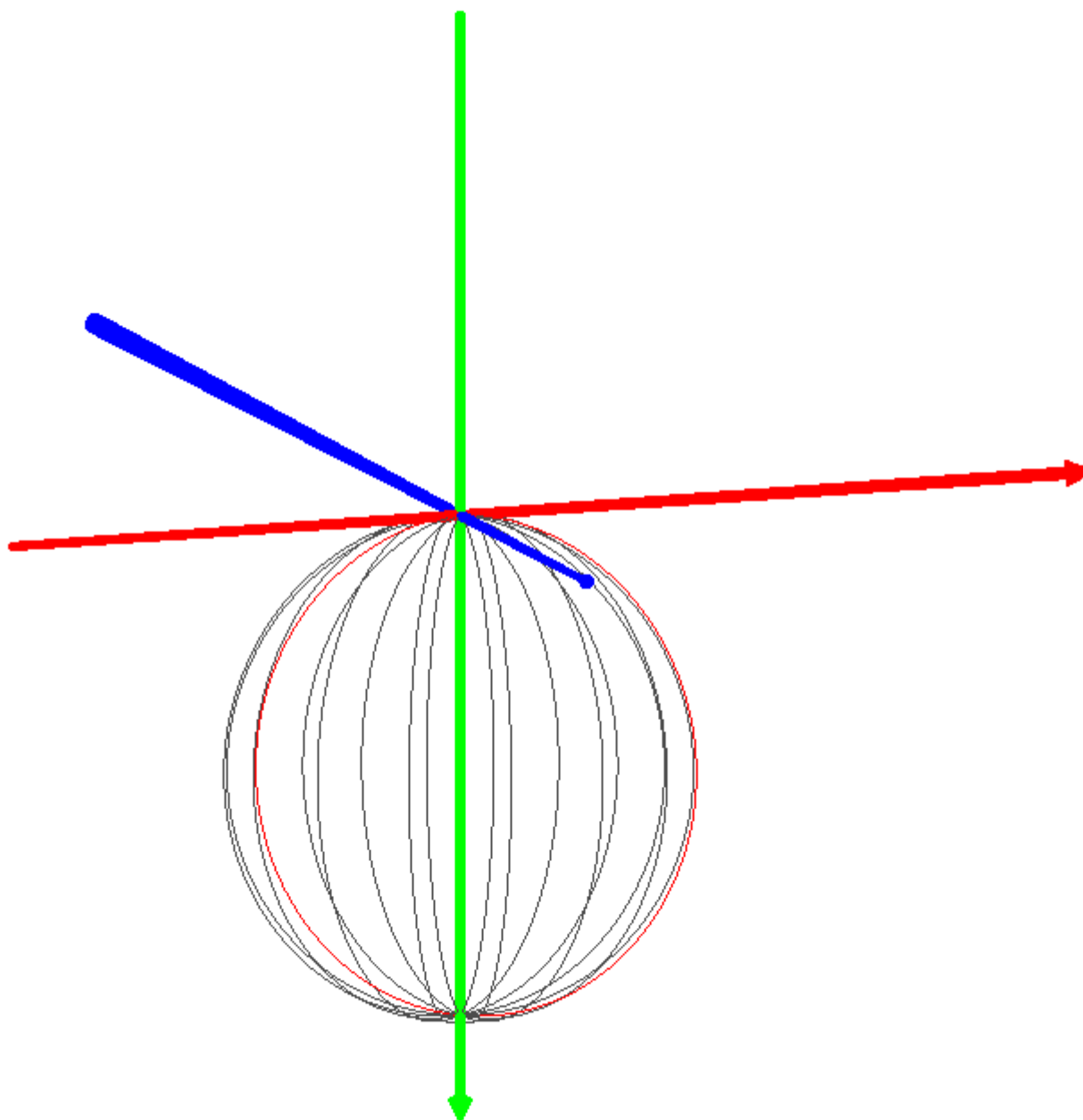
SWIFT BIC: RCBWPLPW

NIP: 783-171-97-20

REGON 360317241

KRS: 0000537079

Kapitał 200.000 PLN



Legend

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

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

ul. Poznańska 70

PL-62-040 Puszczykowo; Poland

Tel.: +48 61 819 40 03

Raiffeisen Bank Polska S.A.

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

Extended electrical report

	U(%f)	I(%f)	P(%f)
0	0	1,720	0
1	100,000	100,000	100,000
2	0,00571	0	0
3	0,0843	93,706	0,0809
4	0,00267	0	0
5	0,0842	88,015	0,074
6	0	0	0
7	0,0734	80,175	0,0572
8	0,00244	0	0
9	0,0712	70,784	0,0459
10	0,00165	0	0
11	0,0627	60,605	0,0313
12	0,00126	0,153	-2,9e-07
13	0,0588	50,468	0,0241
14	0	0,178	0
15	0,0497	41,170	0,0153
16	0,00102	0,200	2,77e-06
17	0,0414	33,294	0,00962
18	0,00181	0,222	3,5e-06
19	0,0374	27,236	0,00645
20	0,00133	0,227	1,58e-06
21	0,0333	22,898	0,00504
22	0,000995	0,237	1,51e-06
23	0,0337	19,828	0,00415
24	0	0,233	0
25	0,0283	17,390	0,00259
26	0	0,220	0
27	0,0254	15,089	0,00187
28	0	0,202	0
29	0,0229	12,710	0,00146
30	0,000929	0,182	2,56e-07
31	0,0196	10,283	0,00106
32	0,000998	0,160	1,65e-06
33	0,0162	7,953	0,000522
34	0	0,154	0
35	0,0119	5,902	0,00022
36	0,00102	0,158	-9,88e-07
37	0,00934	4,284	0,00014
38	0	0,148	0
39	0,00752	3,176	0,000111
40	0	0,159	0
41	0,00487	2,596	3,29e-05
42	0	0,167	0

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

Raiffeisen Bank Polska S.A.

NIP: 783-171-97-20

ul. Poznańska 70

PLN: IBAN 78 1750 0012 0000 0000 2709 9432

REGON 360317241

PL-62-040 Puszczkowo; Poland

EUR: IBAN 06 1750 0012 0000 0000 2709 9467

KRS: 0000537079

Tel.: +48 61 819 40 03

SWIFT BIC: RCBWPLPW

Kapitał 200.000 PLN

43	0,00612	2,418	4,49e-05
44	0,00102	0,166	4,4e-07
45	0,00755	2,517	5,3e-05
46	0	0,161	0
47	0,00804	2,756	9,38e-05
48	0	0,153	0
49	0,00817	2,992	1,66e-05
50	0,000949	0,140	8,78e-07