

GL GONIOSPECTROMETER
Lighting Research & Measurement Center**Report Wizard Sample Description Lines**

Client name: *LED line®*
Model name: *GU10 5,5W 345lm 60st 2200K-3000K*
Item No: *248948*
Serial No.: *48011*
Made by: *Radosław Kośnik*

Eulumdat Fields

Dimensions of luminaire

Company: *LED line®*
Report number: *B292*
LuminaireName: *GU10 5,5W 345lm 2200K-3000K 60st DIMM*
LuminaireNumber: *248948*
FileName: *B292_248948_48011_G_20190226_R_O*
Date: *2019-02-26*

Dimensions of luminaire

Length: *50 mm*
Width: *0 mm*
Height: *54 mm*

Dimensions of luminous area

Length: *24 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:	0
Total luminous flux:	387,03 lm
Color temperatur:	2969.55 K
Color rendering index:	90,72
Wattage including ballast:	5,37 W

Utilization factors:

k = 0.60	0,496
k = 0.80	0,568
k = 1.00	0,634
k = 1.20	0,692
k = 1.50	0,736
k = 2.00	0,807
k = 2.50	0,835
k = 3.00	0,860
k = 4.00	0,893
k = 5.00	0,915

Electrical parameters

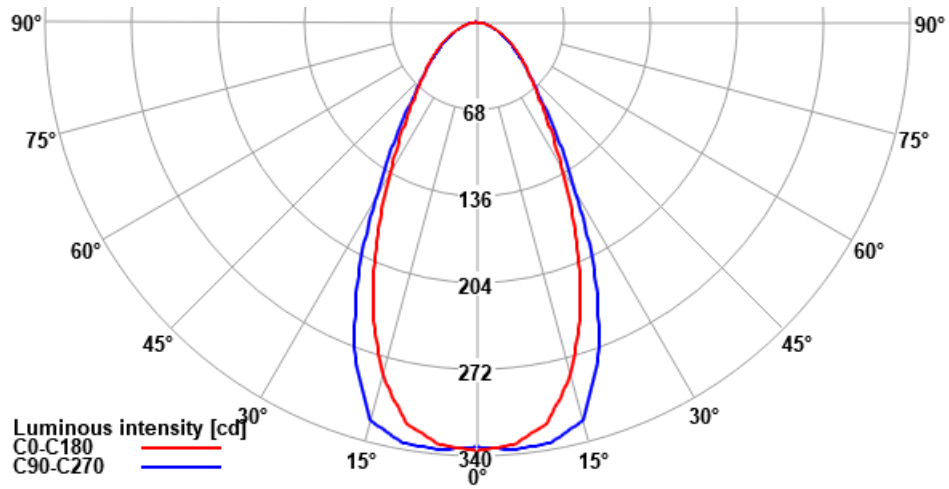
<i>U</i>	= 230,049 V
<i>I</i>	= 0,028 A
<i>P</i>	= 5,374 W
<i>Power factor</i>	= 0,821
<i>Power apparent</i>	= 0,000 VA
<i>Power Reactive</i>	= 0,000 var
<i>Frequency Voltage</i>	= 0,000 Hz
<i>THD</i>	= 0,000 %

Temperature = 23 C

Goniometric measurement results

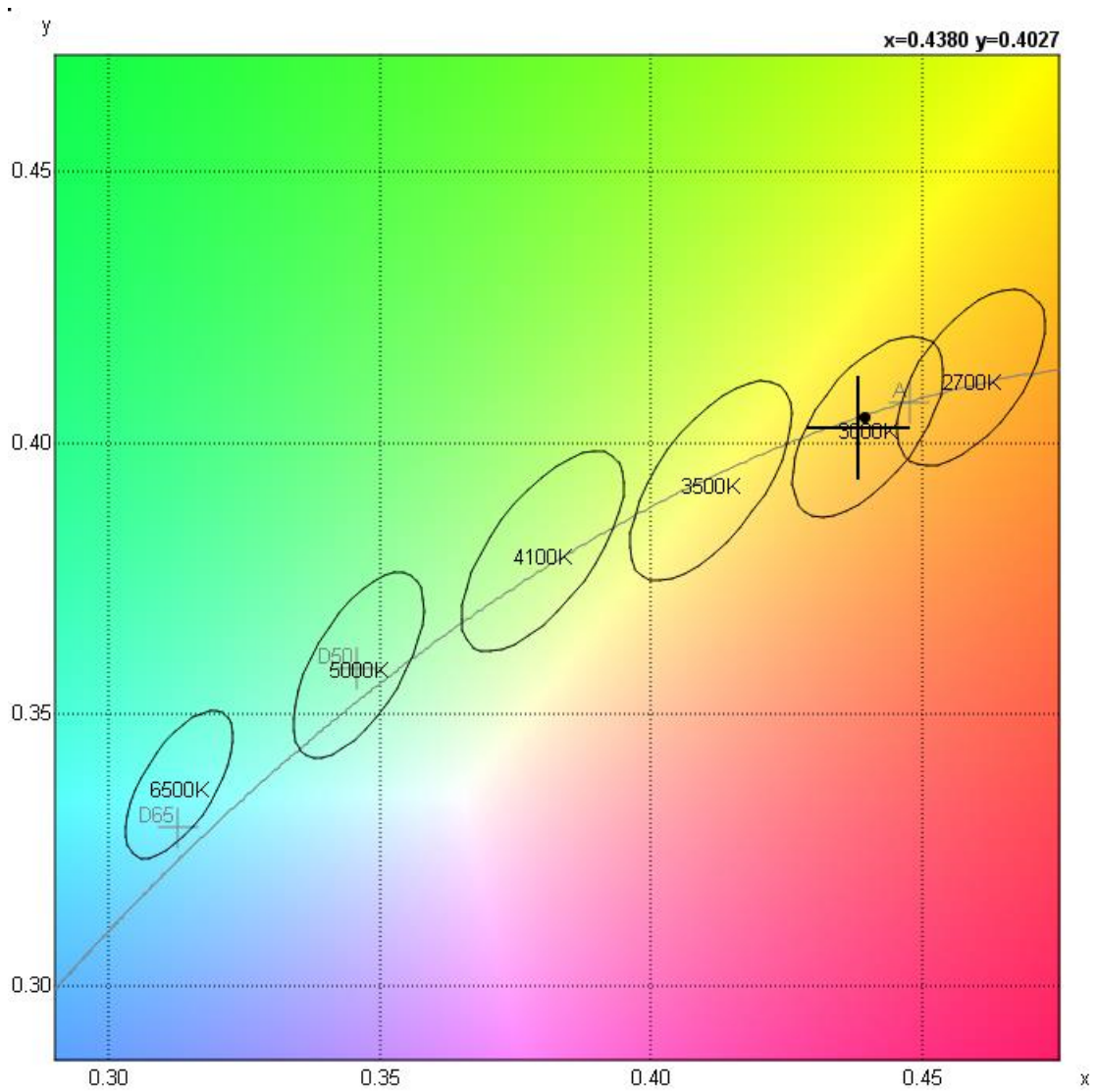
Total flux (utilized luminarie flux)	<i>387,03 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>-0,00 %</i>
Maximum luminous intensity	<i>336,55 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>72,07 lm/W</i>

Light intensity distribution diagram

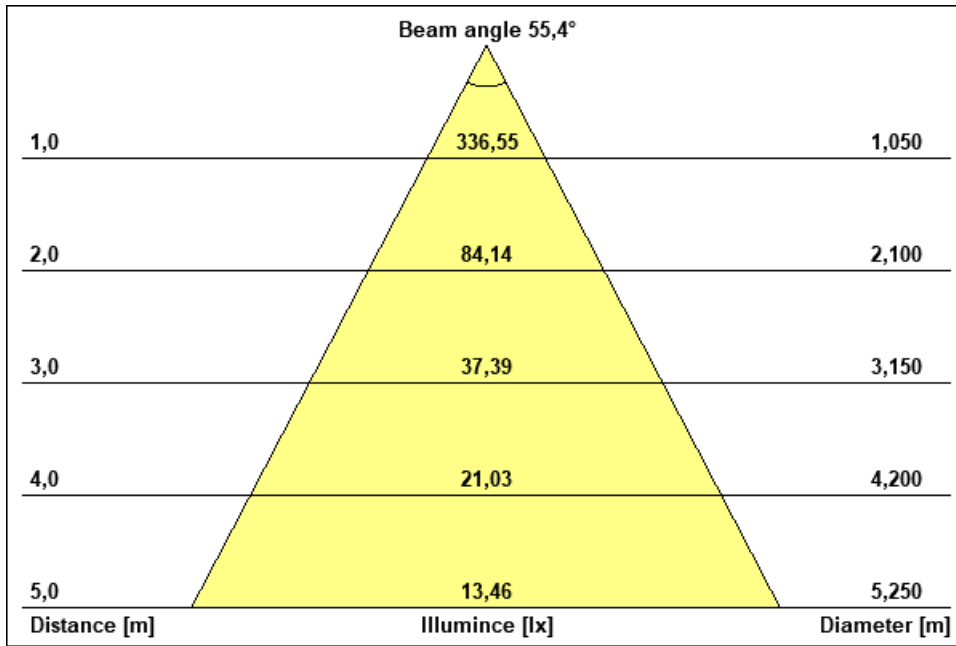


CIE 1931 diagram

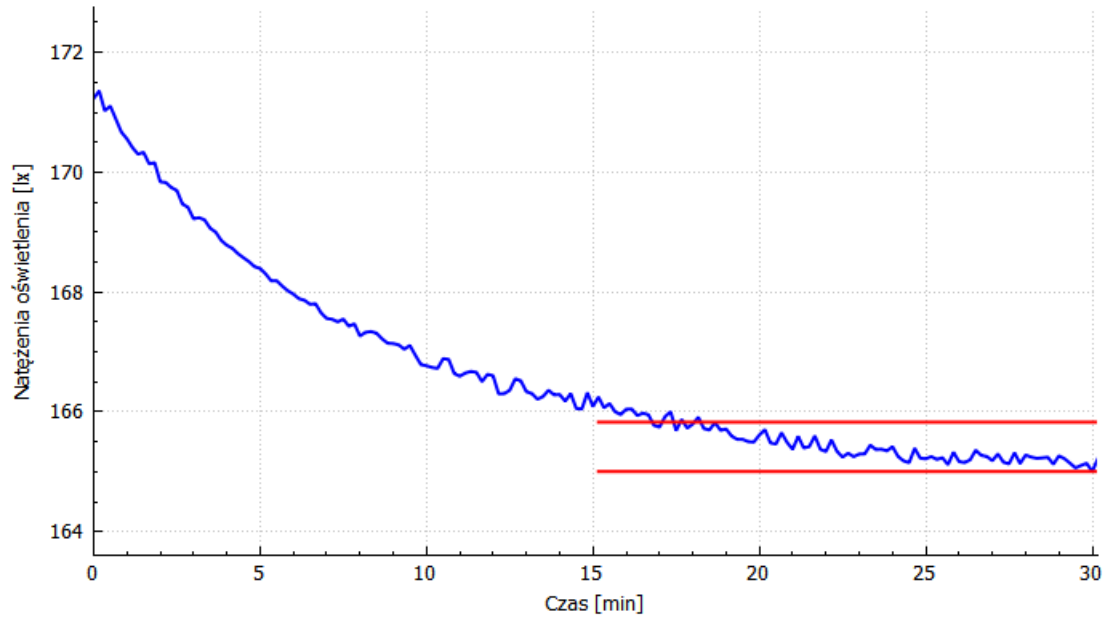
x 0,4380
y 0,4027
Angular Colour Uniformity 0,0017



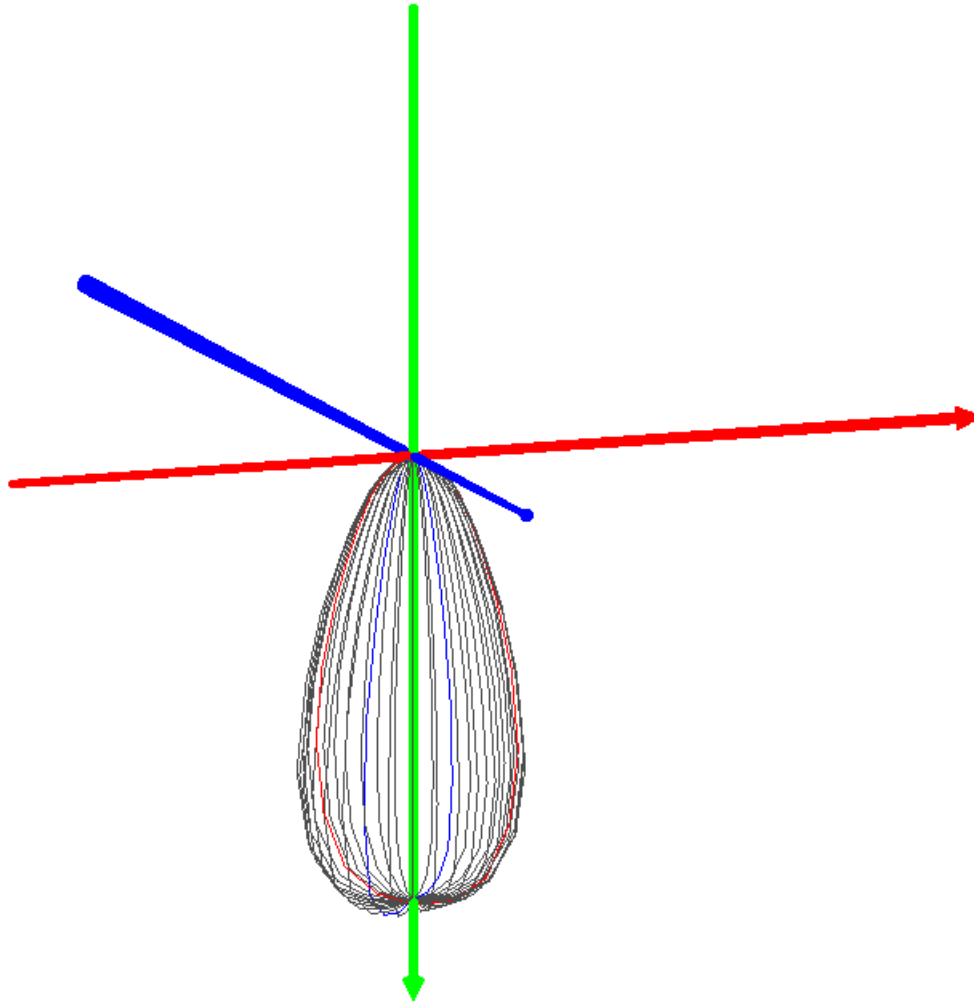
Beam cone



Stabilization



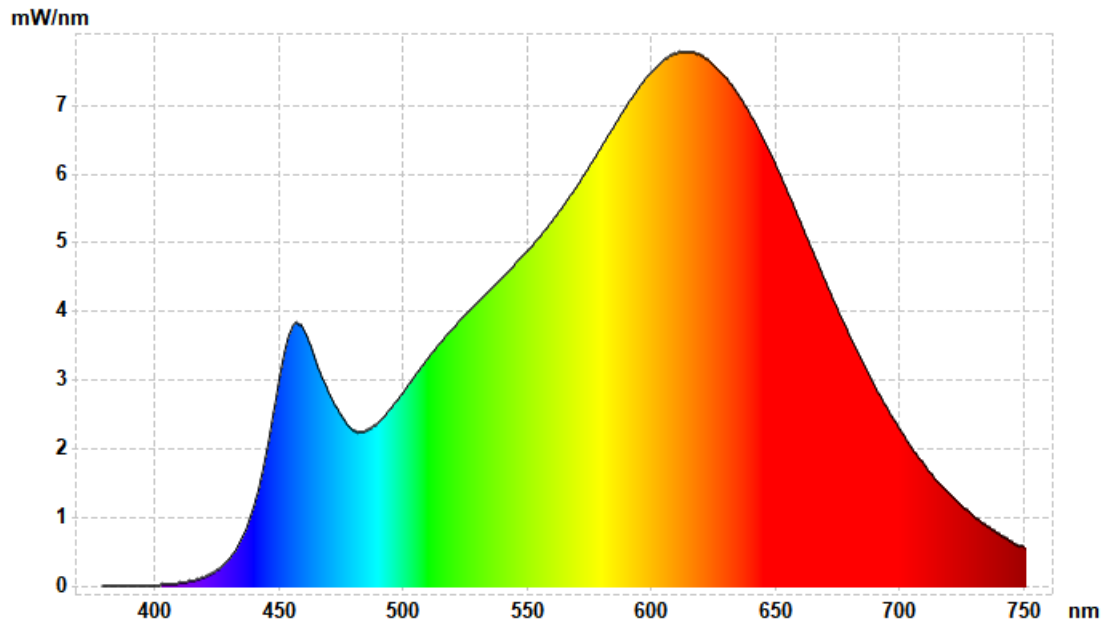
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,4380	x	0,4439	CCT	2970
y	0,4027	y	0,4016	Chromaticity Error	0,001
Flux	387,03 lm	u'	0,2561	Color Peak	614,46
		v'	0,5215	Color Peak Value	7,77
		L	100,00	Color Dominant	583,2
u'	0,2519	a	26,22	Luminous Intensity	0,00
v'	0,5210	b	57,92	Purity	
L	100,00	X	451,52	Radiometric	1,3051
a	23,01	Y	408,53	PAR	-
b	57,29	Z	157,18	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	90,7	Ra	90,7	Mivis	2,9
R1	91,2	R8	76,1	Miuv	3,6
R2	97,5	R9	49,1	Binning	
R3	96,7	R10	93,1	Binning	3000K
R4	88,8	R11	89,3	Brightness	
R5	91,0	R12	80,1		
R6	96,2	R13	93,2		
R7	88,3	R14	99,1		