

GL GONIOSPECTROMETER
Lighting Research & Measurement CenterReport Wizard Sample Description Lines

Client name: *LED line®*
Model name: *Taśma 300 5730 4000K CRI*
Item No: *246739*
Serial No.: *02210*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LEDline®*
Report number: *B312*
LuminaireName: *Taśma 300 5730 4000K CRI*
LuminaireNumber: *246739*
FileName: *B312_246739_02210_G_20190513_R_O*
Date: *2019-05-13*

Dimensions of luminaire

Length: *1000 mm*
Width: *10 mm*
Height: *3 mm*

Dimensions of luminous area

Length: *1000 mm*
Width: *6 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: 1350,33 lm
 Color temperatur: 4121.88 K
 Color rendering index: 96,20
 Wattage including ballast: 14,24 W

Utilization factors:

k = 0.60 0,269
 k = 0.80 0,357
 k = 1.00 0,434
 k = 1.20 0,510
 k = 1.50 0,570
 k = 2.00 0,660
 k = 2.50 0,711
 k = 3.00 0,751
 k = 4.00 0,804
 k = 5.00 0,838

Electrical parameters

U = 11,997 V
I = 1,187 A
P = 14,238 W
 Power factor = 0,000

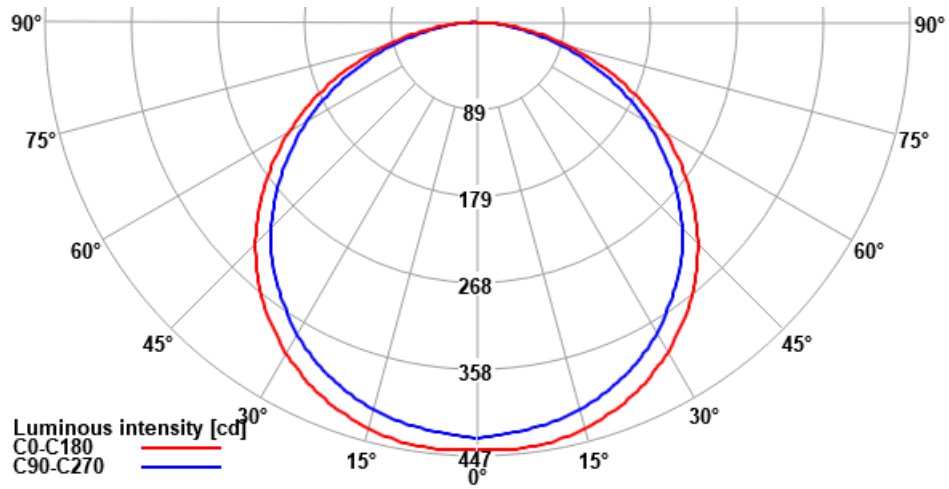
Power apparent = 0,000 VA
 Power Reactive = 0,000 var
 Frequency Voltage = 0,000 Hz
 THD = 0,000 %

Temperature = 22 C

Goniometric measurement results

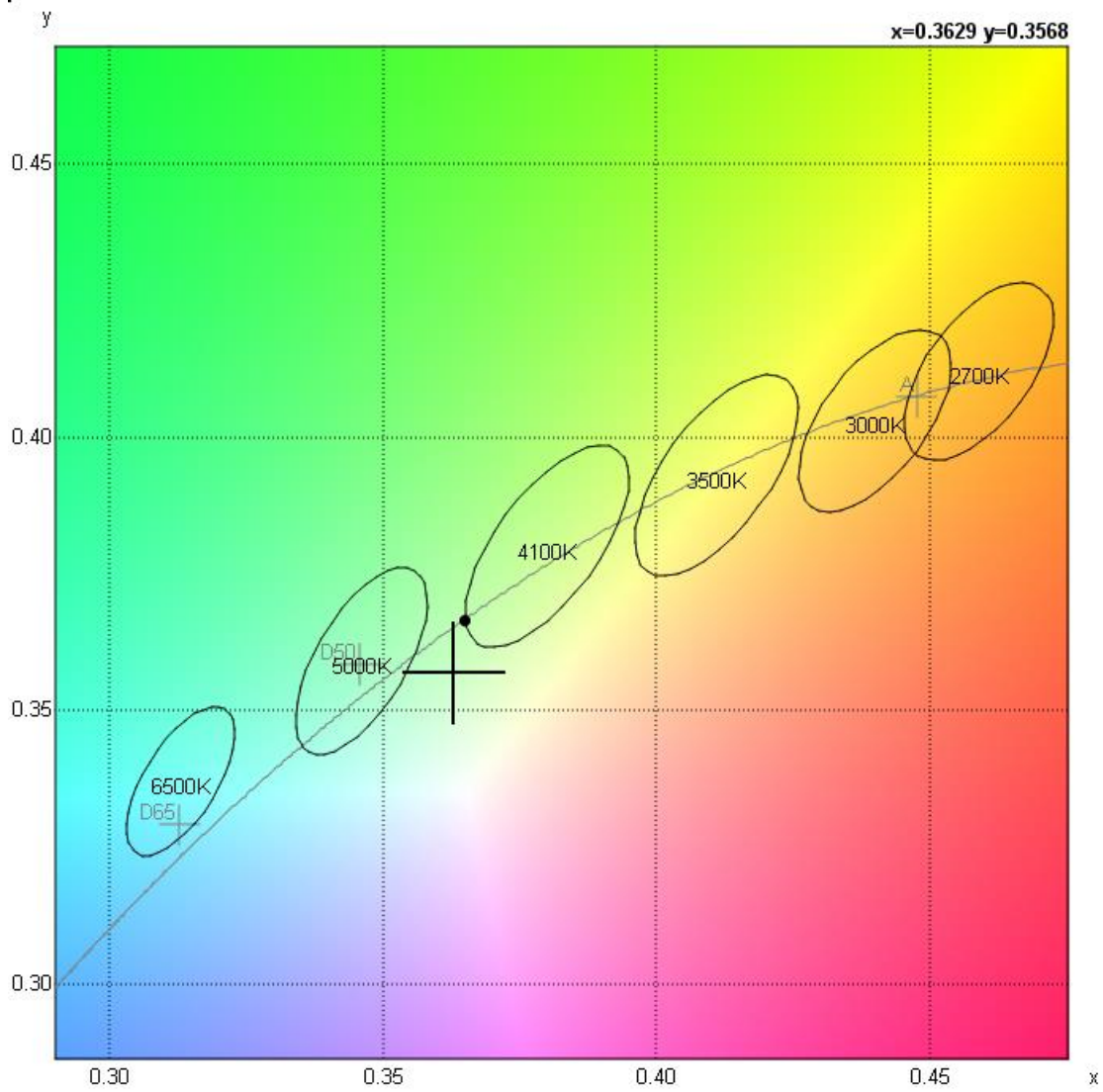
Total flux (utilized luminaire flux)	<i>1350,33 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>-0,00 %</i>
Maximum luminous intensity	<i>447,65 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>94,83 lm/W</i>

Light intensity distribution diagram

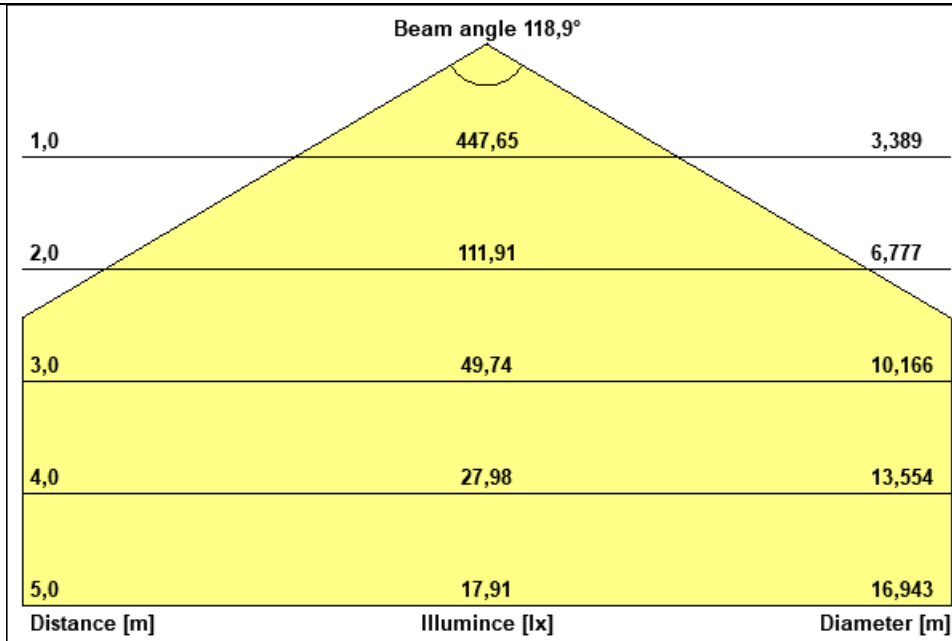


CIE 1931 diagram

x 0,3629
 y 0,3568
 Angular Colour Uniformity 0,0000
 Binning



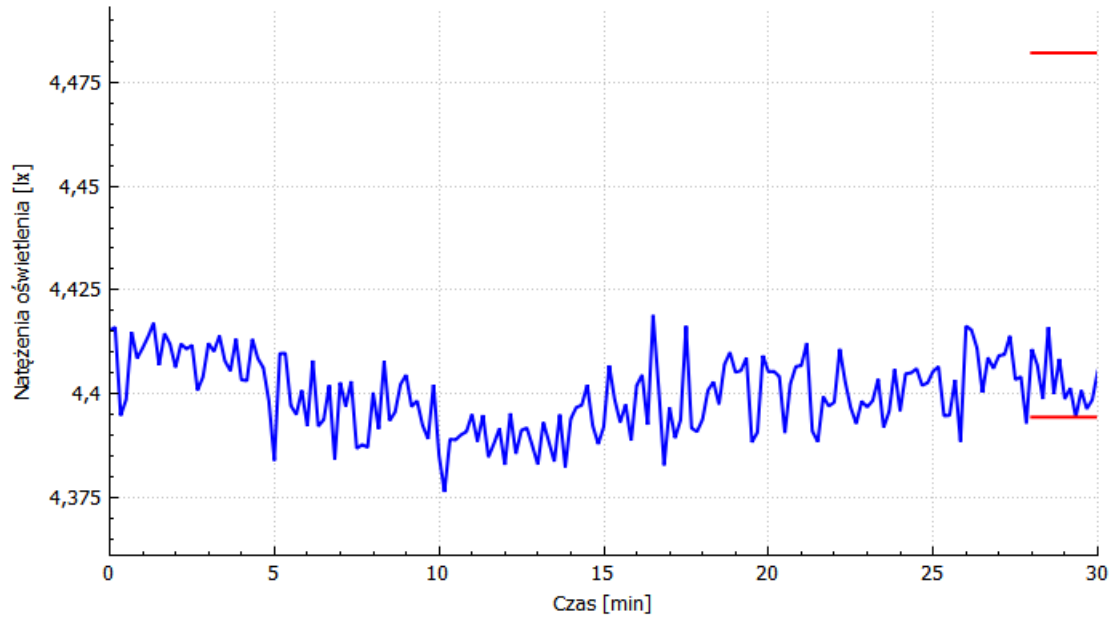
Beam cone



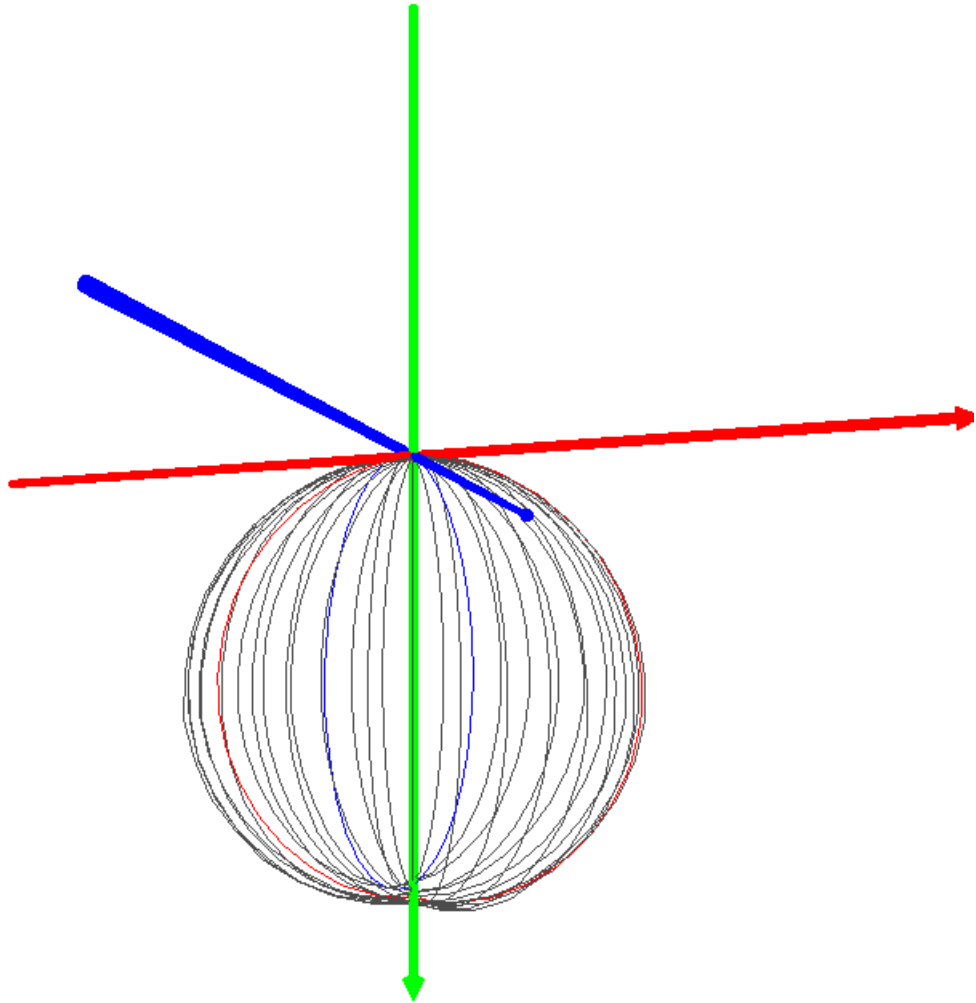
Distance [m]	Max illuminance [lx]	Diameter [m]
1	447,6461	3,389
2	111,9115	6,777
3	49,7385	10,166
4	27,9779	13,554
5	17,9058	16,943

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	118,9°	5,0°	-59,4°	59,4°
0-180°	120,3°	5,0°	-60,2°	60,2°
90-270°	116,7°	5,0°	-58,3°	58,3°

Stabilization



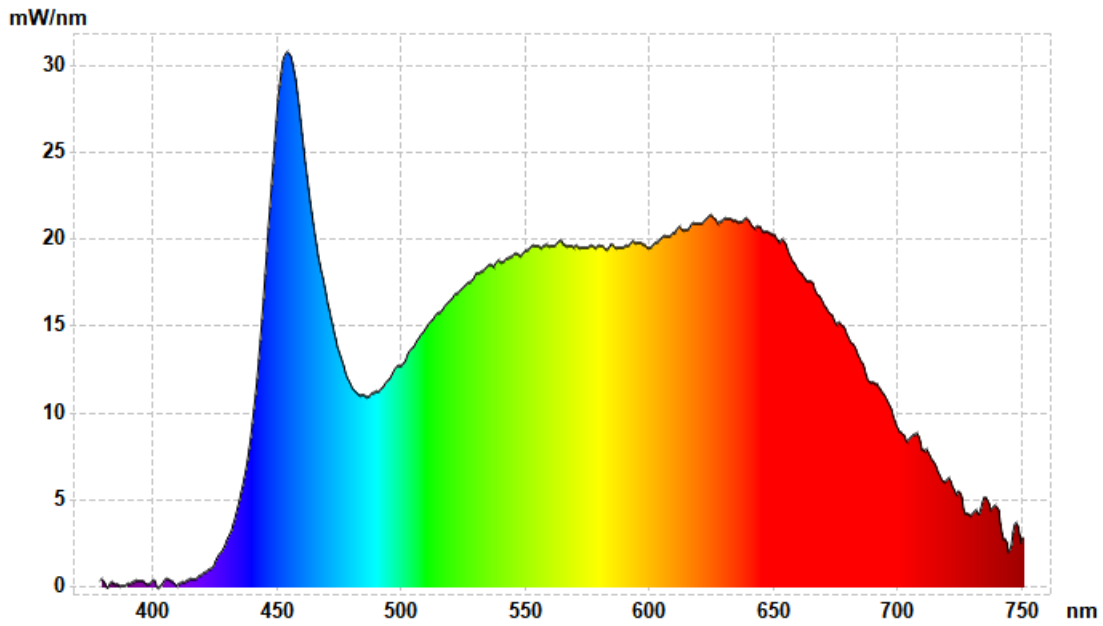
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3629	x	0,3667	CCT	4122
y	0,3568	y	0,3586	Chromaticity Error	0,004
Flux	1350,33 lm	u'	0,2233	Color Peak	454,60
		v'	0,4912	Color Peak Value	30,87
		L	100,00	Color Dominant	580,9
u'	0,2214	a	12,80	Luminous Intensity	0,00
v'	0,4899	b	21,25	Purity	
L	100,00	X	1484,25	Radiometric	5,0023
a	11,40	Y	1451,16	PAR	-
b	20,64	Z	1111,66	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	96,2	Ra	96,2	Mivis	1,8
R1	97,6	R8	96,8	Miuv	3,8
R2	98,9	R9	97,2	Binning	
R3	96,0	R10	95,5	Binning	
R4	94,8	R11	94,2	Brightness	
R5	95,0	R12	69,0		
R6	93,7	R13	99,5		
R7	96,7	R14	97,3		