

GL GONIOSPECTROMETER
Lighting Research & Measurement Center

Report Wizard Sample Description Lines

Client name: *LED line®*
Model name: *UFO T 150W 22500LM 4000K 90° DIM*
Item No: *245633*
Serial No.: *12503*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LEDline®*
Report number: *B799*
LuminaireName: *UFO T 150W 22500LM 4000K 90° DIM*
LuminaireNumber: *245633*
FileName: *B799_245633_12503_G_20190829_R_P*
Date: *2019-08-29*

Dimensions of luminaire

Length: *260 mm*
Width: *0 mm*
Height: *250 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: 0
 Total luminous flux: 22406,70 lm
 Color temperatur: 3961.38 K
 Color rendering index: 73,99
 Wattage including ballast: 149,37 W

Utilization factors:

k = 0.60 0,457
 k = 0.80 0,542
 k = 1.00 0,616
 k = 1.20 0,682
 k = 1.50 0,730
 k = 2.00 0,804
 k = 2.50 0,835
 k = 3.00 0,859
 k = 4.00 0,892
 k = 5.00 0,912

Electrical parameters

U = 230,061 V
I = 0,670 A
P = 149,367 W
 Power factor = 0,968

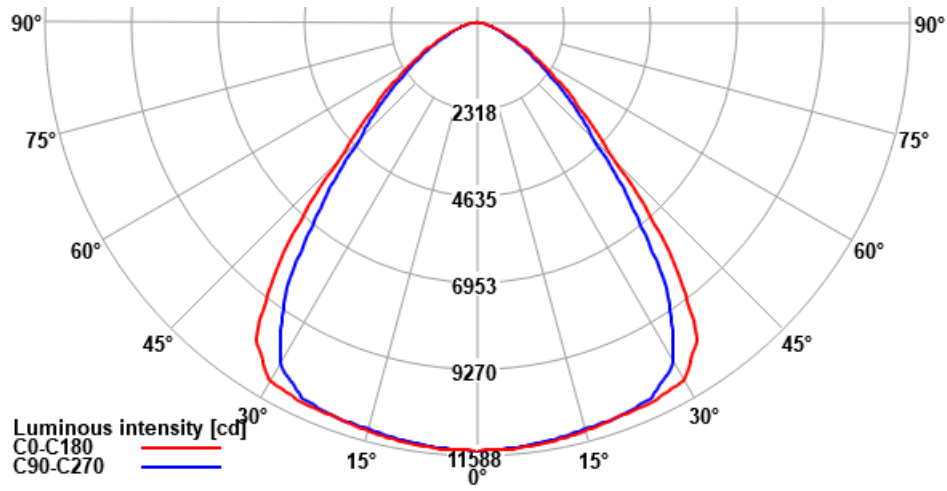
Power apparent = 0,000 VA
 Power Reactive = 0,000 var
 Frequency Voltage = 0,000 Hz
 THD = 0,000 %

Temperature = 26.1 C

Goniometric measurement results

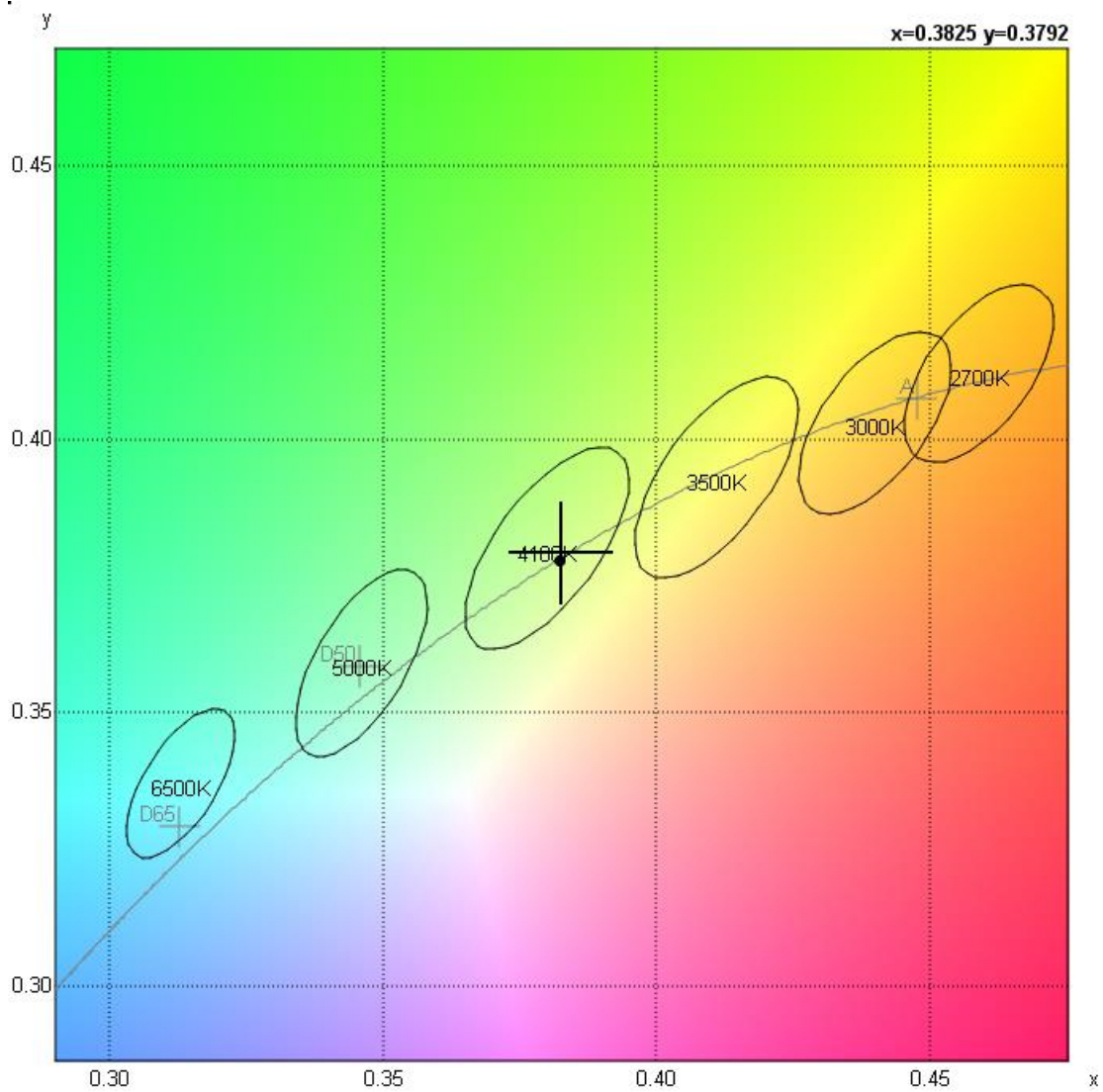
Total flux (utilized luminaire flux)	22406,70 lm
Flux in lower hemisphere	100,00 %
Flux in upper hemisphere	-0,00 %
Maximum luminous intensity	11474,52 cd
Light output ratio (LOR)	100,00 %
Luminous efficacy	150,01 lm/W

Light intensity distribution diagram

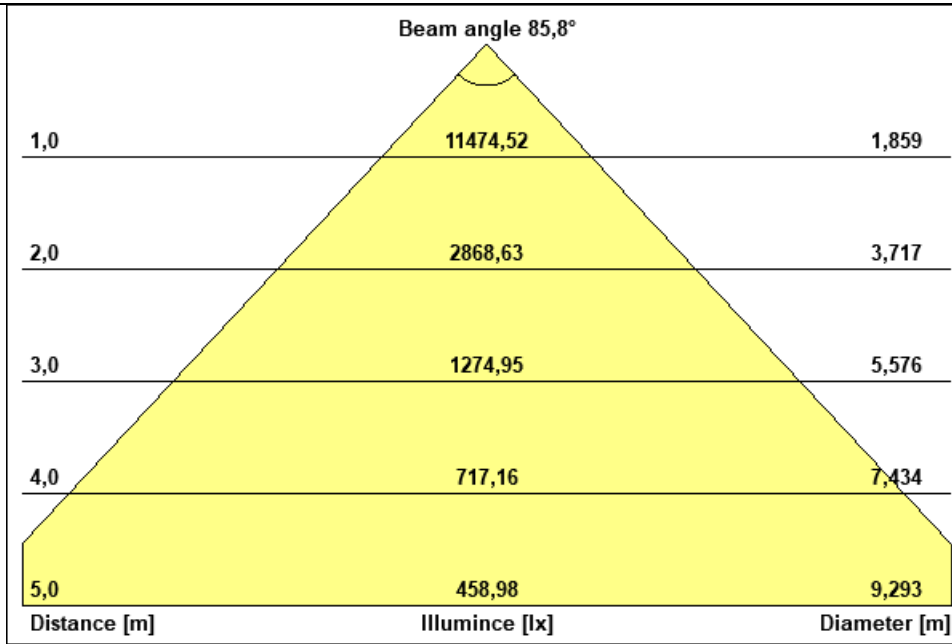


CIE 1931 diagram

x 0,3825
 y 0,3792
 Angular Colour Uniformity 0,0000
 Binning 4100K



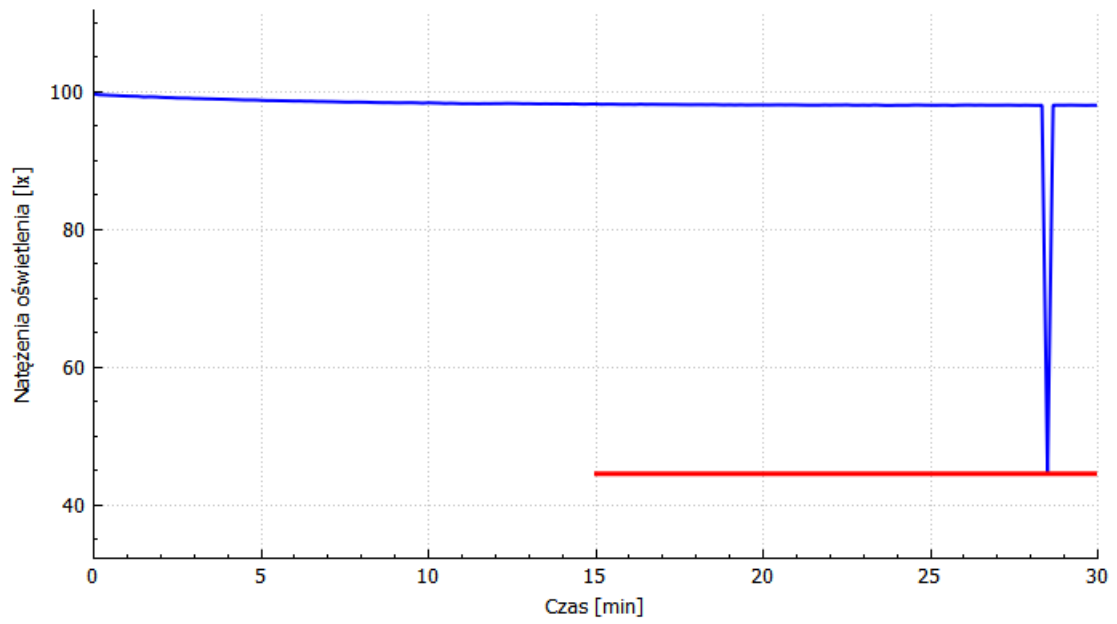
Beam cone



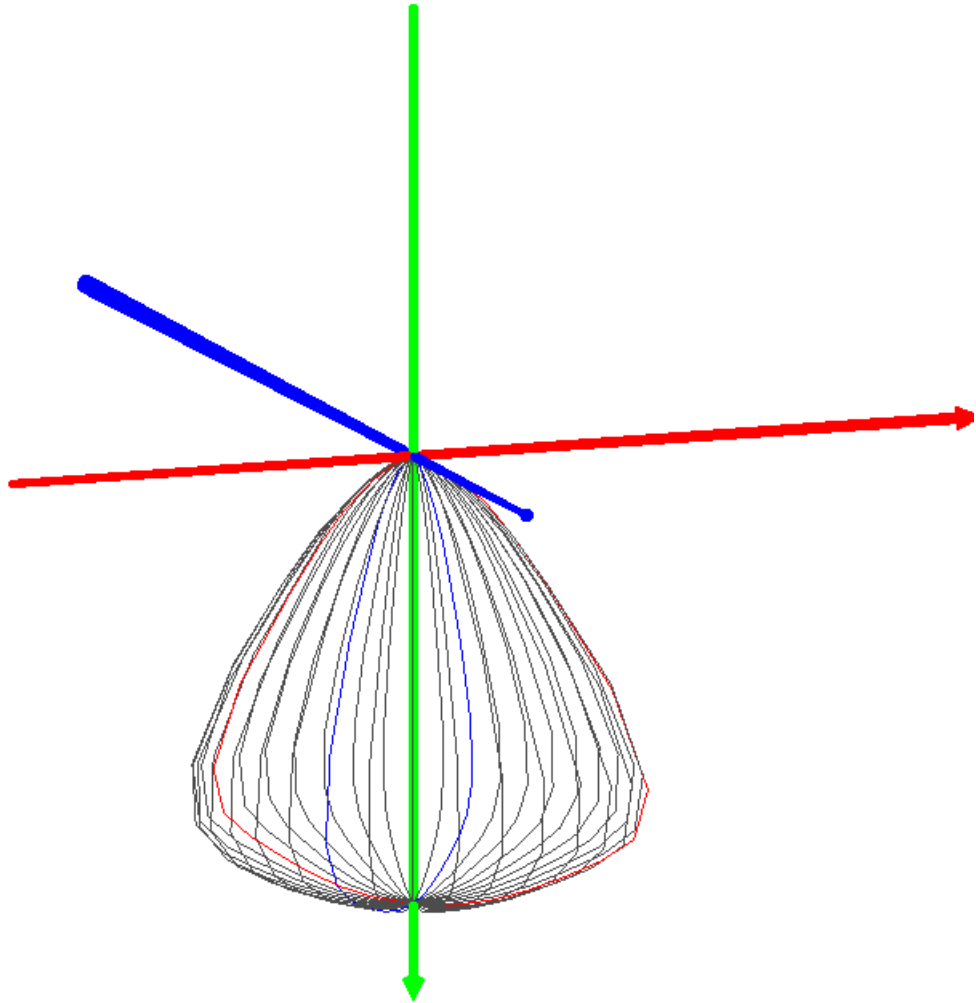
Distance [m]	Max illuminance [lx]	Diameter [m]
1	11474,5159	1,859
2	2868,6290	3,717
3	1274,9462	5,576
4	717,1572	7,434
5	458,9806	9,293

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	85,8°	5,0°	-42,9°	42,9°
0-180°	88,1°	5,0°	-44,1°	44,1°
90-270°	83,9°	5,0°	-41,9°	41,9°

Stabilization



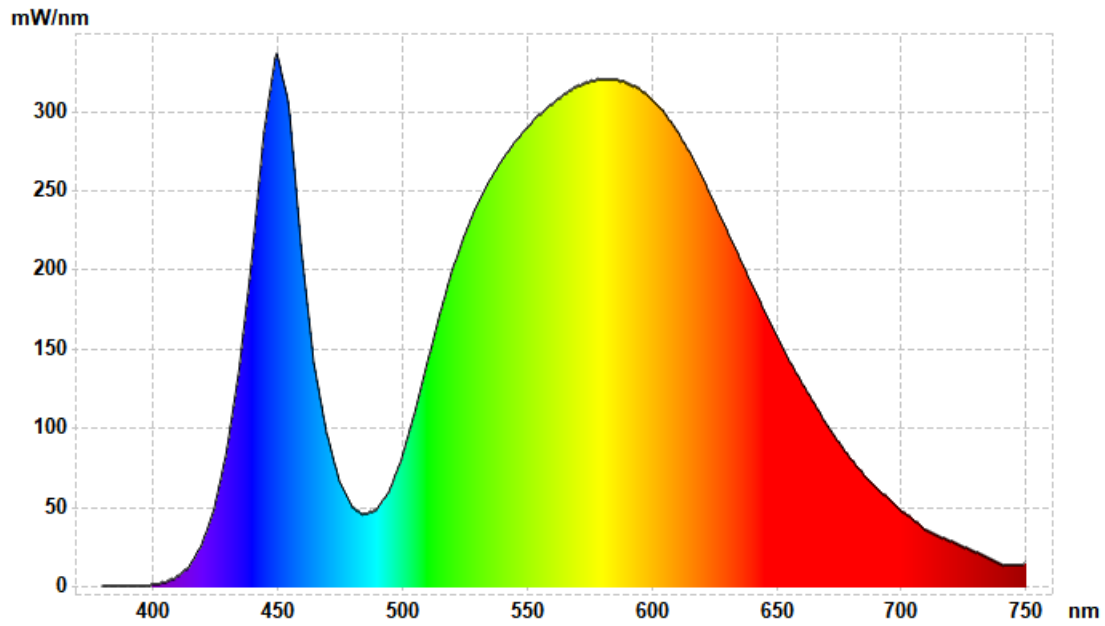
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3825	x	0,3898	CCT	3961
y	0,3792	y	0,3709	Chromaticity Error	0,006
Flux	22406,70 lm	u'	0,2337	Color Peak	450,92
		v'	0,5004	Color Peak Value	339,98
		L	100,00	Color Dominant	578,9
u'	0,2255	a	17,44	Luminous Intensity	0,00
v'	0,5030	b	31,19	Purity	
L	100,00	X	20520,32	Radiometric	54,9271
a	10,05	Y	19528,19	PAR	-
b	33,48	Z	12599,70	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	74,0	Ra	74,0	Mivis	2,0
R1	71,9	R8	58,8	Miuv	4,7
R2	79,8	R9	-12,2	Binning	
R3	84,3	R10	50,3	Binning	4100K
R4	73,0	R11	67,3	Brightness	
R5	70,5	R12	41,1		
R6	70,1	R13	73,0		
R7	83,4	R14	90,7		