

GL GONIOSPECTROMETER
Lighting Research & Measurement Center

Report Wizard Sample Description Lines

Client name: *LED line®*
Model name: *UFO T 150W 22500LM 4000K 60° DIM*
Item No: *245343*
Serial No.: *12503*
Made by: *Radosław Kośnik*

Eulumdat Fields

Company: *LEDline®*
Report number: *B800*
LuminaireName: *UFO T 150W 22500LM 4000K 60° DIM*
LuminaireNumber: *245343*
FileName: *B800_245343_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: 22424,00 lm
 Color temperatur: 3976.94 K
 Color rendering index: 74,16
 Wattage including ballast: 148,38 W

Utilization factors:

k = 0.60	0,499
k = 0.80	0,576
k = 1.00	0,644
k = 1.20	0,705
k = 1.50	0,749
k = 2.00	0,819
k = 2.50	0,846
k = 3.00	0,870
k = 4.00	0,901
k = 5.00	0,921

Electrical parameters

U = 229,963 V
I = 0,667 A
P = 148,383 W
 Power factor = 0,967

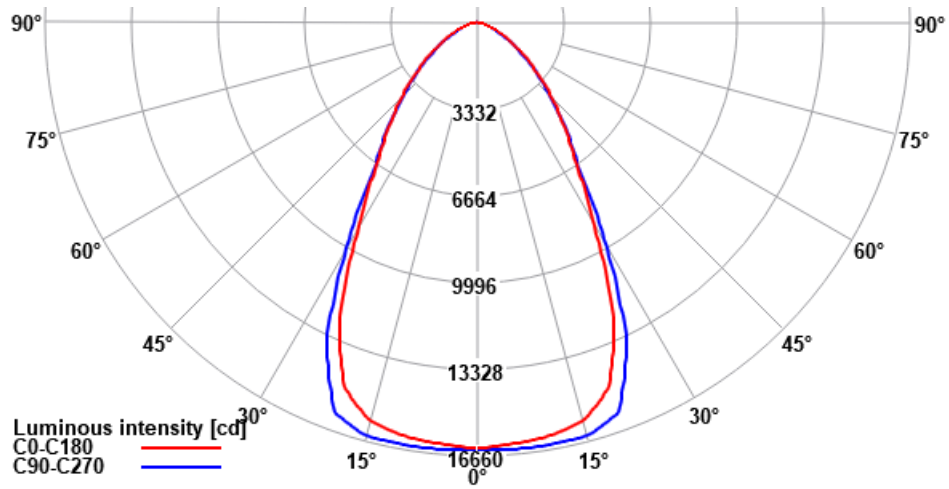
Power apparent = 0,000 VA
 Power Reactive = 0,000 var
 Frequency Voltage = 0,000 Hz
 THD = 0,000 %

Temperature = 26.1 C

Goniometric measurement results

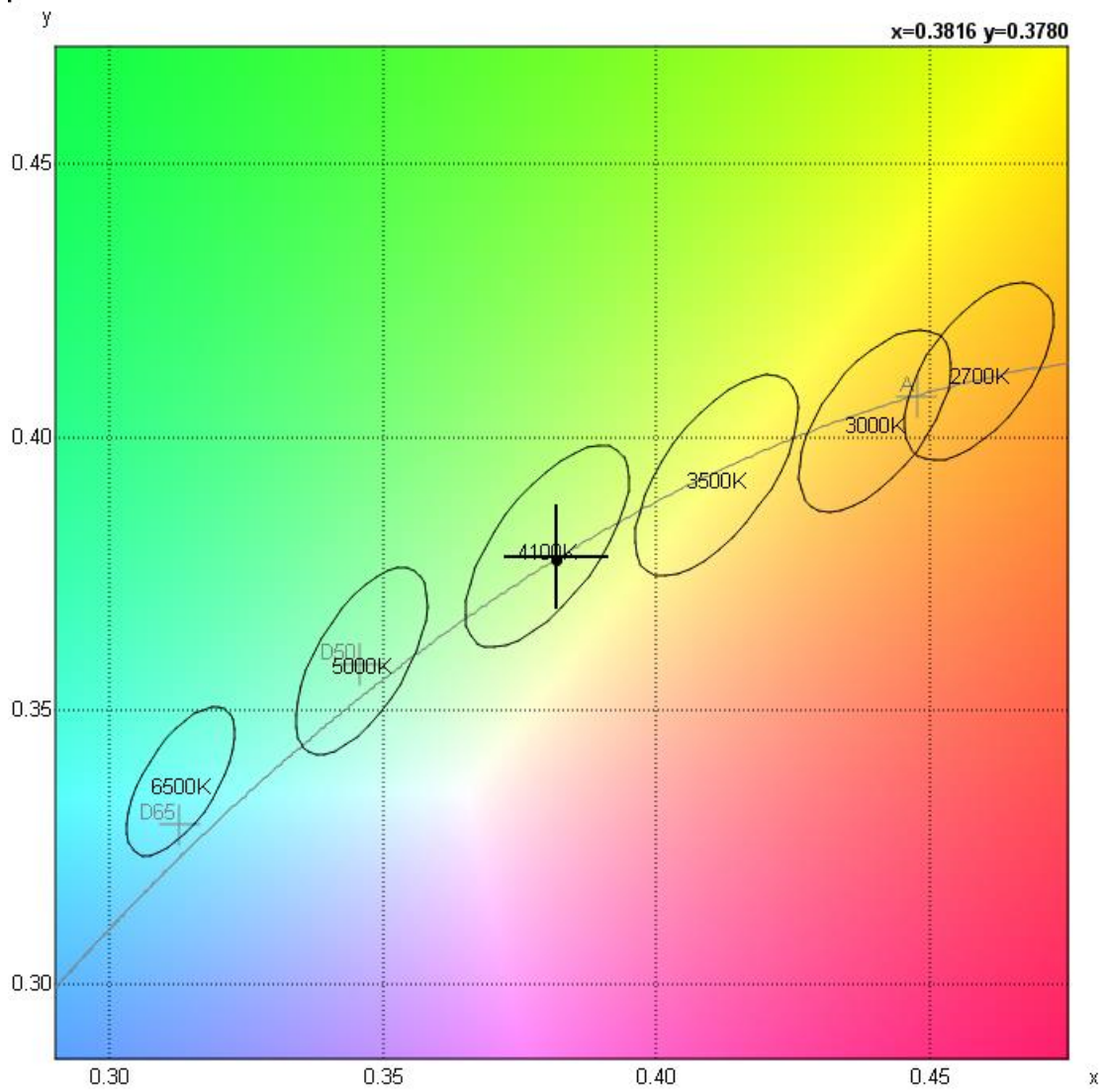
Total flux (utilized luminaire flux)	<i>22424,00 lm</i>
Flux in lower hemisphere	<i>100,00 %</i>
Flux in upper hemisphere	<i>-0,00 %</i>
Maximum luminous intensity	<i>16494,92 cd</i>
Light output ratio (LOR)	<i>100,00 %</i>
Luminous efficacy	<i>151,13 lm/W</i>

Light intensity distribution diagram

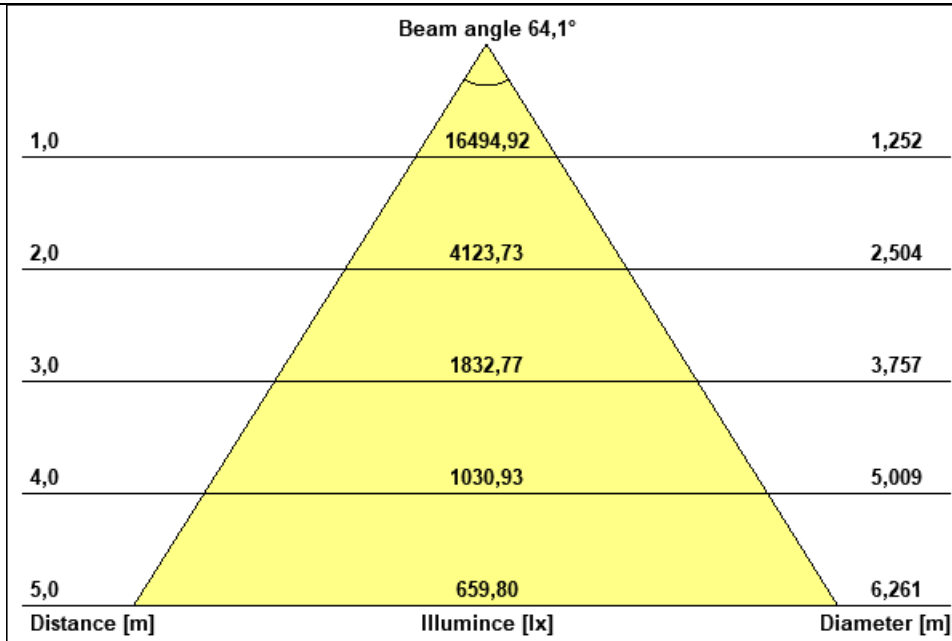


CIE 1931 diagram

x 0,3816
 y 0,3780
 Angular Colour Uniformity 0,0000
 Binning 4100K



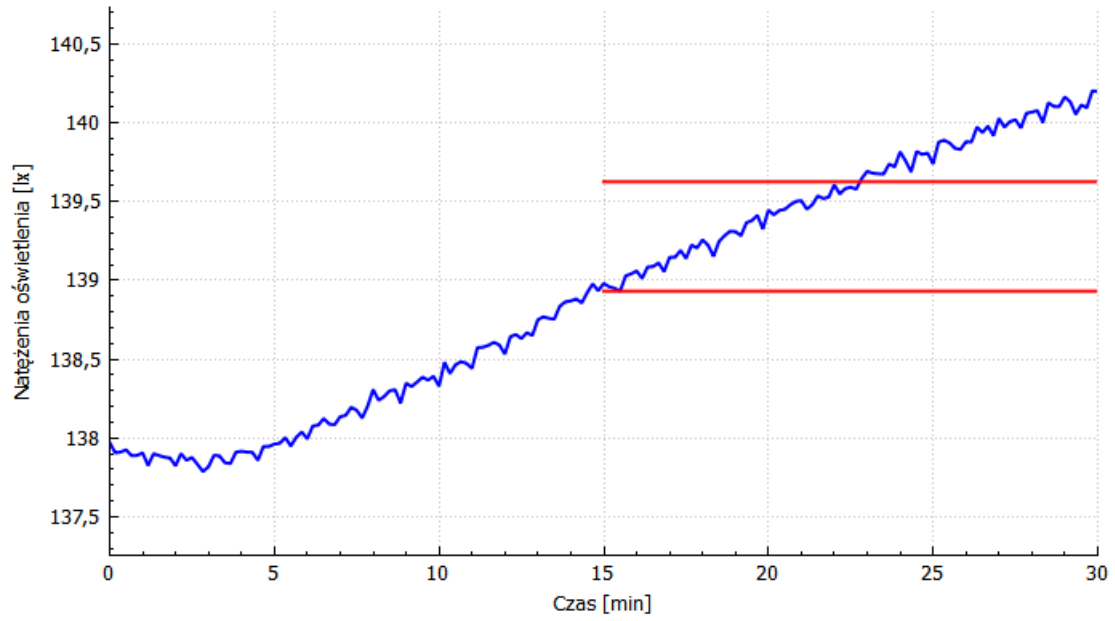
Beam cone



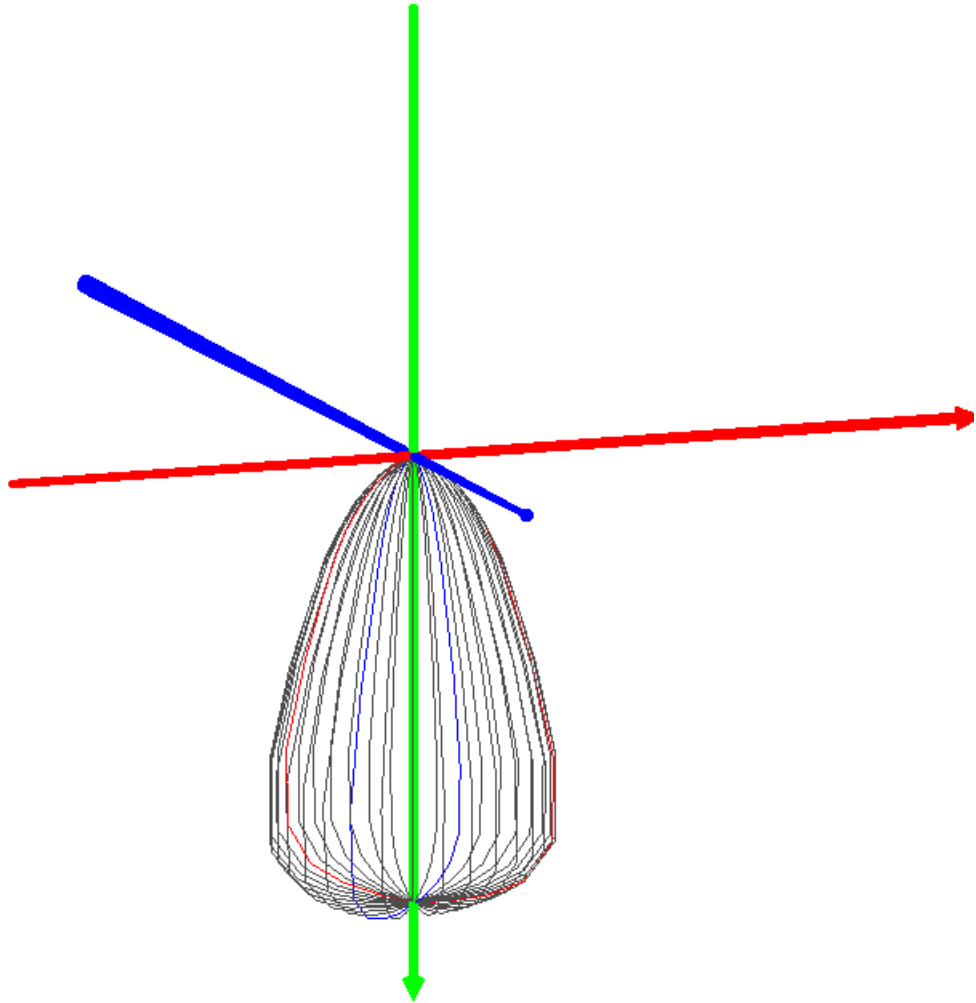
Distance [m]	Max illuminance [lx]	Diameter [m]
1	16494,9150	1,252
2	4123,7288	2,504
3	1832,7683	3,757
4	1030,9322	5,009
5	659,7966	6,261

C plane	Beam angle	Gamma max	Start [°]	Stop [°]
Average	64,1°	5,6°	-32,1°	32,1°
0-180°	63,8°	5,0°	-31,9°	31,9°
90-270°	65,6°	10,0°	-32,8°	32,8°

Stabilization



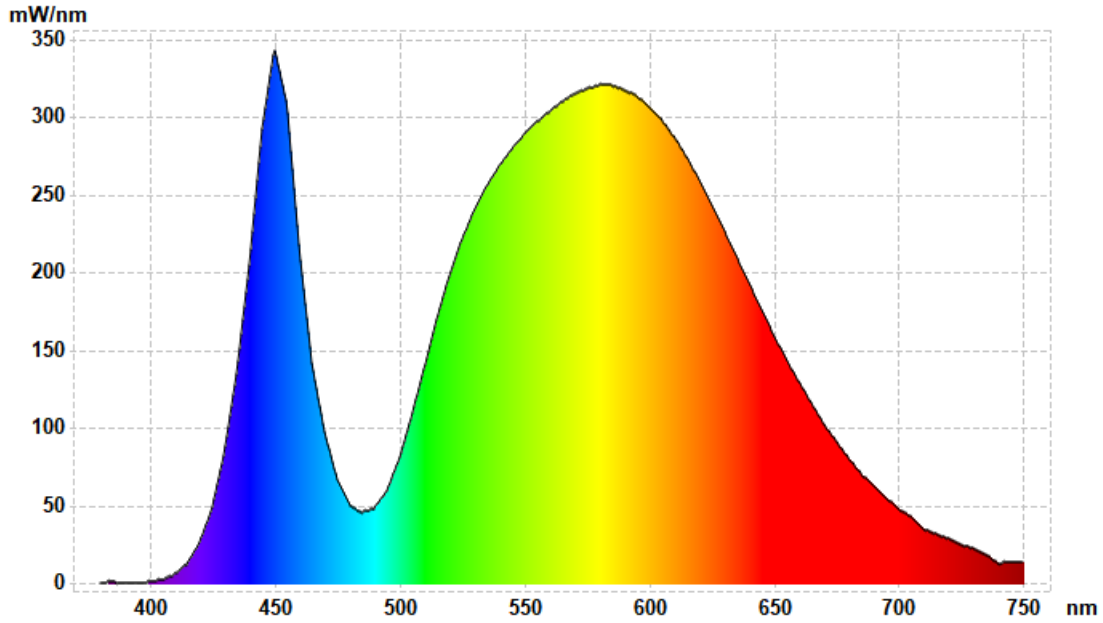
3D Chart



Legend

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

Spectral distribution



Results					
CIE 1931 2° observer		CIE 1964 10° observer		Other	
x	0,3816	x	0,3888	CCT	3977
y	0,3780	y	0,3698	Chromaticity Error	0,006
Flux	22424,00 lm	u'	0,2335	Color Peak	450,92
		v'	0,4997	Color Peak Value	346,48
		L	100,00	Color Dominant	579,0
u'	0,2254	a	17,52	Luminous Intensity	0,00
v'	0,5023	b	30,54	Purity	
L	100,00	X	20542,56	Radiometric	55,0822
a	10,16	Y	19540,83	PAR	-
b	32,84	Z	12755,41	PPFD	-
Rendering Indices				Metamerism Indices	
Ra	74,2	Ra	74,2	Mivis	2,0
R1	72,2	R8	59,3	Miuv	4,7
R2	79,9	R9	-11,0	Binning	
R3	84,3	R10	50,5	Binning	4100K
R4	73,2	R11	67,5	Brightness	
R5	70,8	R12	41,3		
R6	70,2	R13	73,2		
R7	83,5	R14	90,7		