

Goniophotometric Test Report

Table. Measurement results of the main luminous parameters

Luminous flux	Input power	Luminous efficacy	LOR	DWFF	Luminous intensity (g=0)
3519.4 lm	36.97 W	95.2 lm/W	100.0 %	100.0 %	1230 cd

Table. Electrical parameters during the light measurements.

	Pin	PF	Vin	If
Value	36.97 W	1.000	35.20 V	1.050 A
St.dev.	0.01 %	0.00 %	0.01 %	0.00 %

Table. Maximum Luminous Intensity and its direction

Iv	g	C plane
1230 cd	-0.0°	0.0°

Table. Beam widths at two perpendicular planes

	Beam angle, FWHM, 50 % (deg)	Beam angle, 10 % (deg)	Effective beam direction from g=0
C0-180	113.4°	162.3°	-0.0°
C90-270	112.4°	162.0°	-0.0°

Figure. Polar curve of the angular Luminous Intesity distribution at two perpendicular C planes and at C plane with maximum Luminous Intesity.

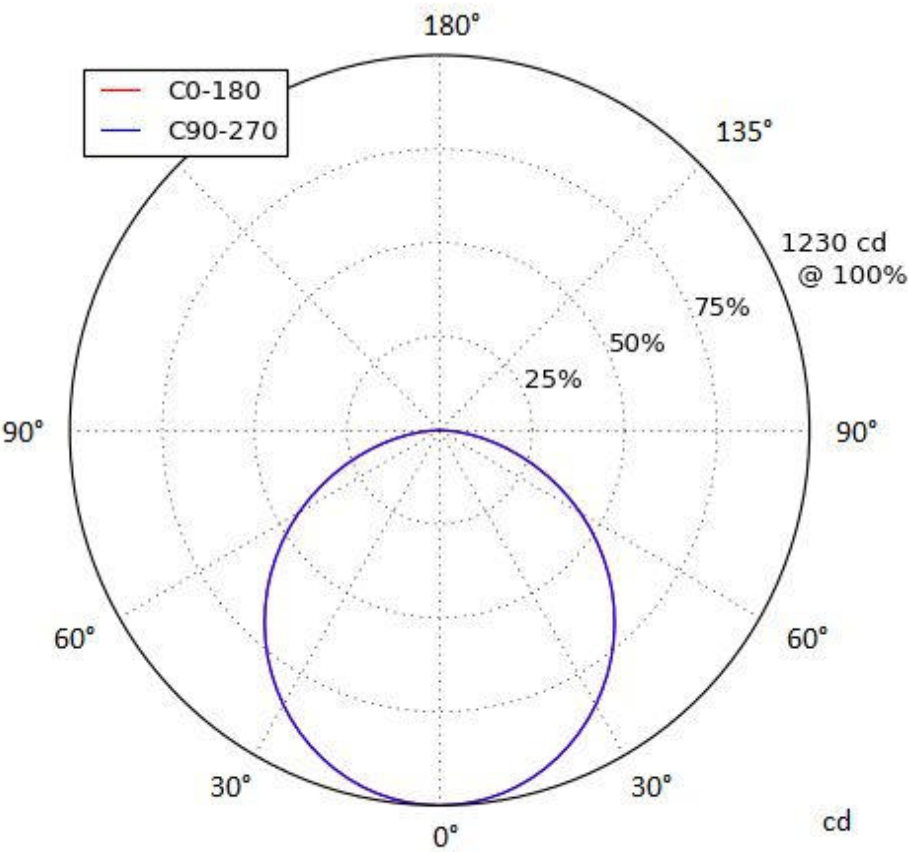


Figure. Luminous Intensity distribution in cartesian diagram at all measured C planes.

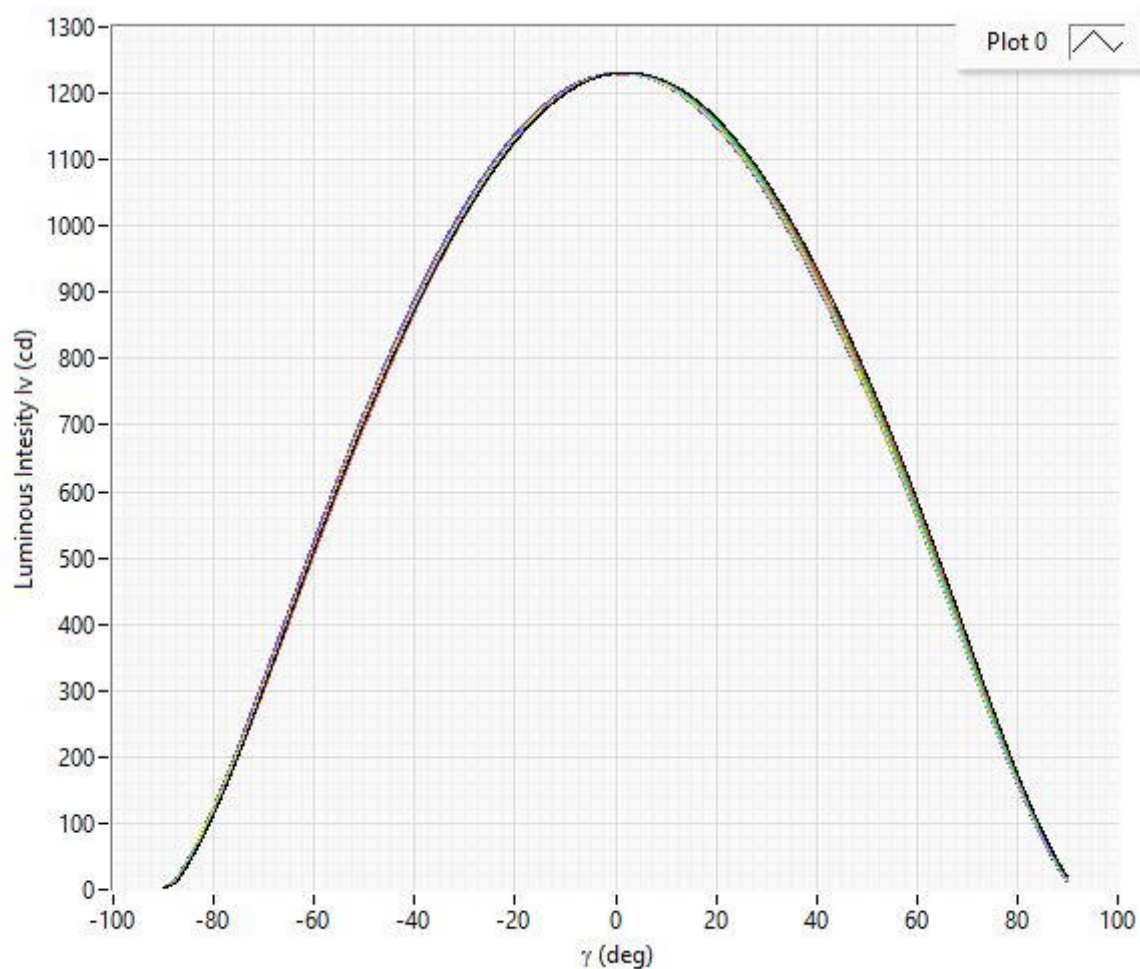


Figure. Isocandela as a function of C plane at gamma angle with maximum luminous intensity

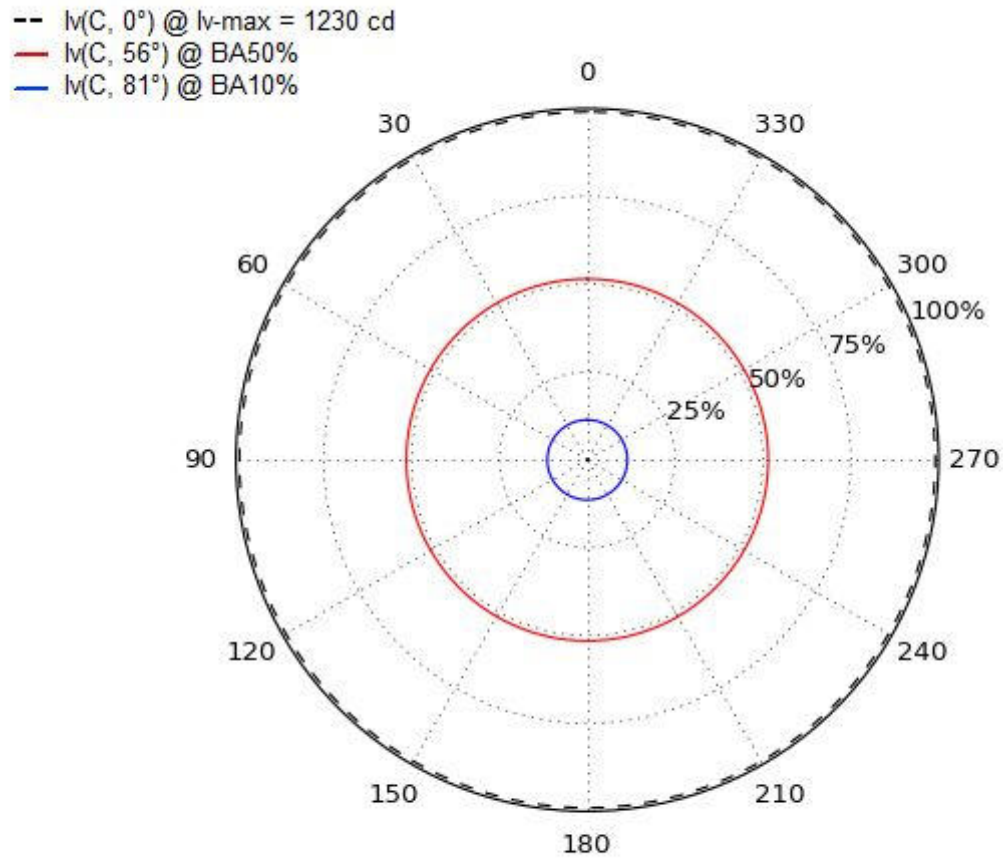


Table. Luminance at different angles based on the defined luminous areas and measured luminous intensities.

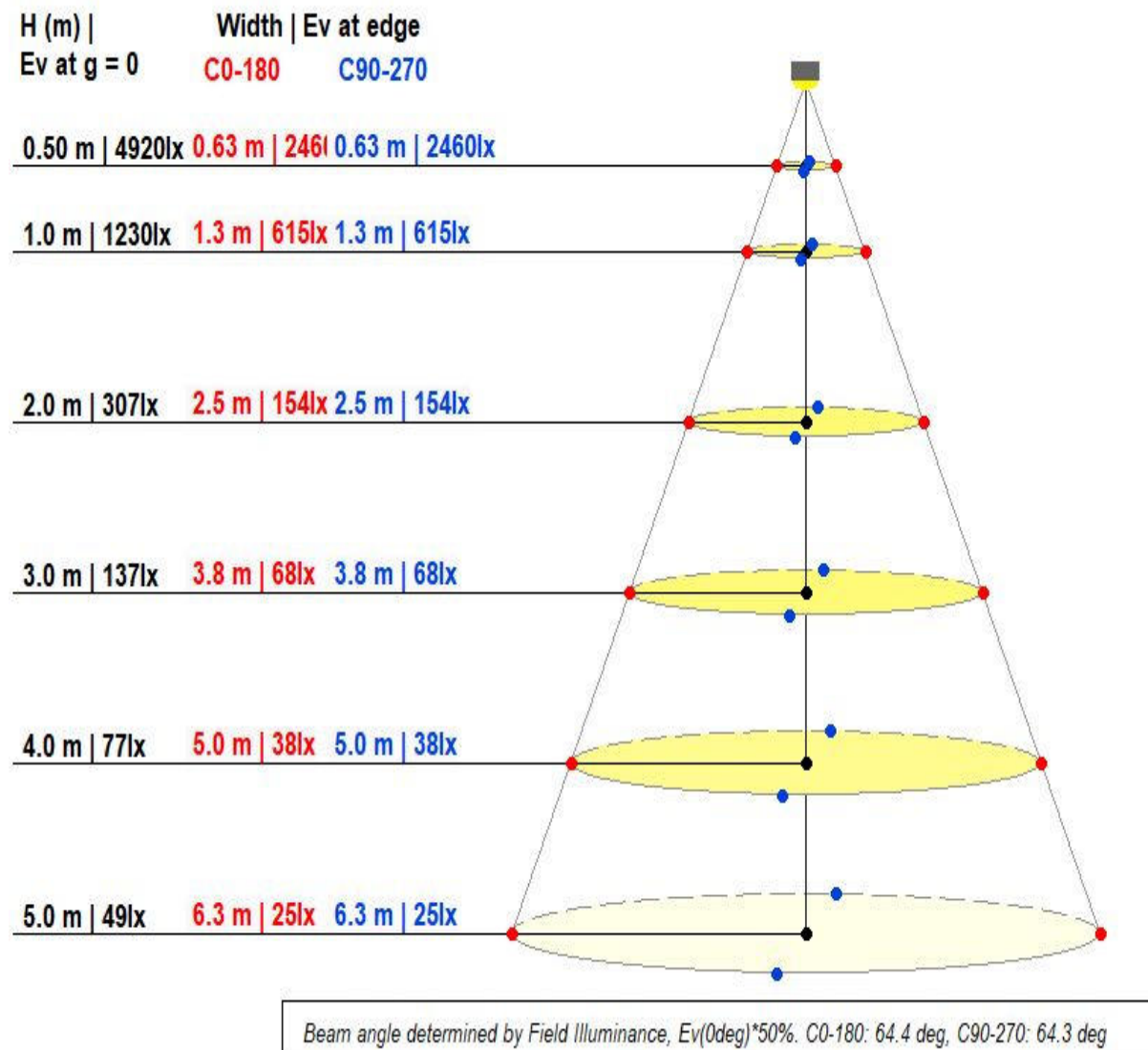
3716	3716	3716
3055	2865	3032
2788	2554	2748
2390	2120	2330
1764	1496	1710
790	611	765

Table. Unified Glare Rating (UGR) Index in different types of indoor spaces.

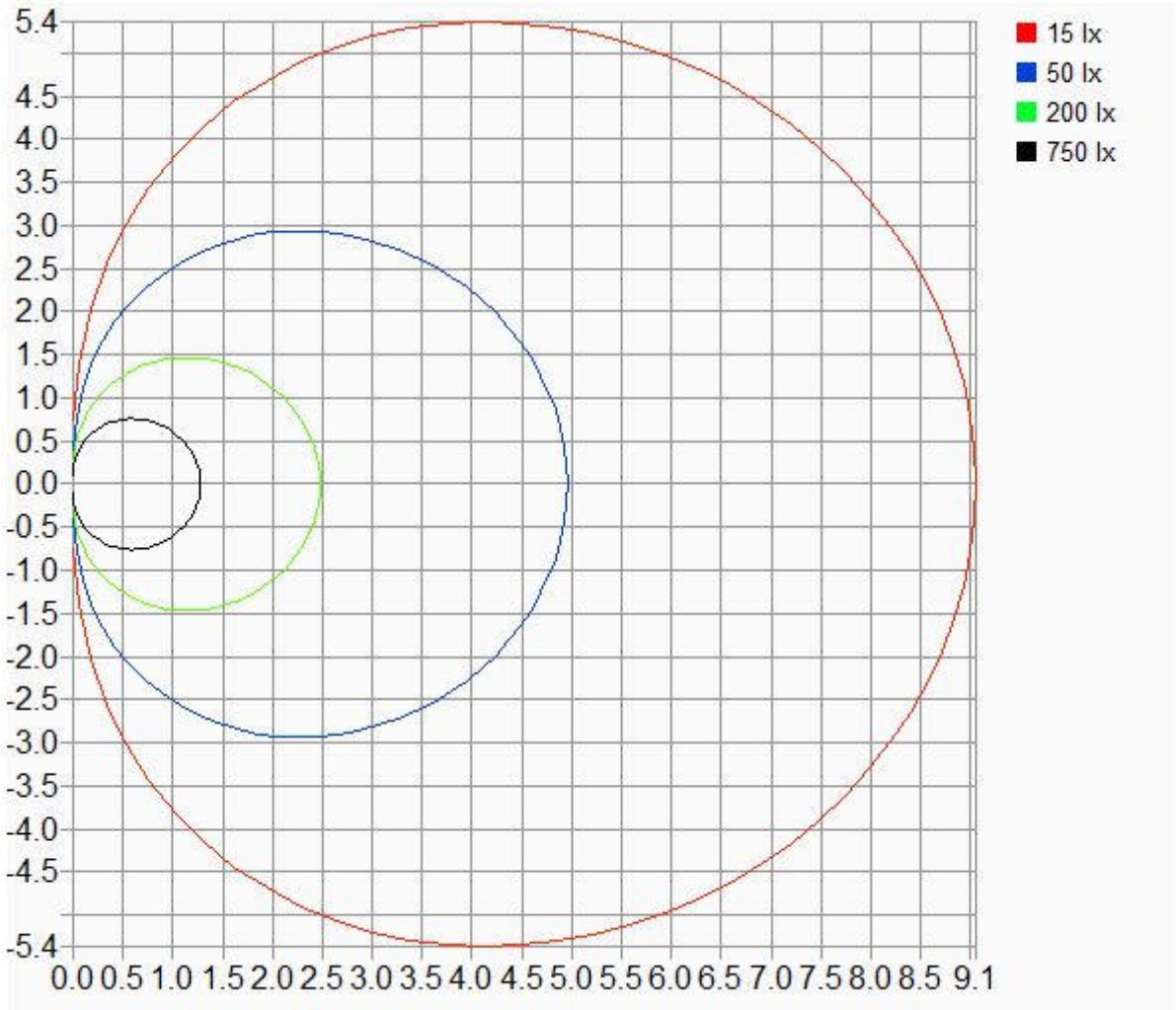
Ceiling		70	70	50	50	30	70	70	50	50	30
Walls		50	30	50	30	30	50	30	50	30	30
Floor		20	20	20	20	20	20	20	20	20	20
Room size		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
X	Y										
2H	2H	16.4	18.0	16.7	18.3	18.7	16.4	18.0	16.7	18.3	18.7
	3H	18.2	19.7	18.6	20.0	20.4	18.2	19.7	18.6	20.0	20.4
	4H	18.9	20.3	19.3	20.6	21.0	18.9	20.3	19.3	20.6	21.0
	6H	19.4	20.7	19.8	21.0	21.4	19.4	20.7	19.8	21.0	21.4
	8H	19.5	20.8	19.9	21.1	21.5	19.5	20.8	19.9	21.1	21.5
	12H	19.6	20.8	20.1	21.2	21.6	19.6	20.8	20.1	21.2	21.6
4H	2H	17.0	18.4	17.4	18.8	19.1	17.0	18.4	17.4	18.8	19.1
	3H	19.0	20.2	19.4	20.6	21.0	19.0	20.2	19.4	20.6	21.0
	4H	19.8	20.9	20.3	21.3	21.8	19.8	20.9	20.3	21.3	21.8
	6H	20.5	21.4	20.9	21.8	22.3	20.5	21.4	20.9	21.8	22.3
	8H	20.7	21.5	21.1	22.0	22.5	20.7	21.5	21.1	22.0	22.5
	12H	20.8	21.6	21.3	22.1	22.6	20.8	21.6	21.3	22.1	22.6
8H	4H	20.2	21.0	20.6	21.5	21.9	20.2	21.0	20.6	21.5	21.9
	6H	20.9	21.6	21.4	22.1	22.6	20.9	21.6	21.4	22.1	22.6
	8H	21.2	21.8	21.7	22.4	22.8	21.2	21.8	21.7	22.4	22.8
	12H	21.4	22.0	21.9	22.5	23.1	21.4	22.0	21.9	22.5	23.1
12H	4H	20.2	21.0	20.7	21.4	21.9	20.2	21.0	20.7	21.4	21.9
	6H	21.0	21.6	21.5	22.1	22.6	21.0	21.6	21.5	22.1	22.6
	8H	21.3	21.9	21.8	22.4	22.9	21.3	21.9	21.8	22.4	22.9

CONE DIAGRAM

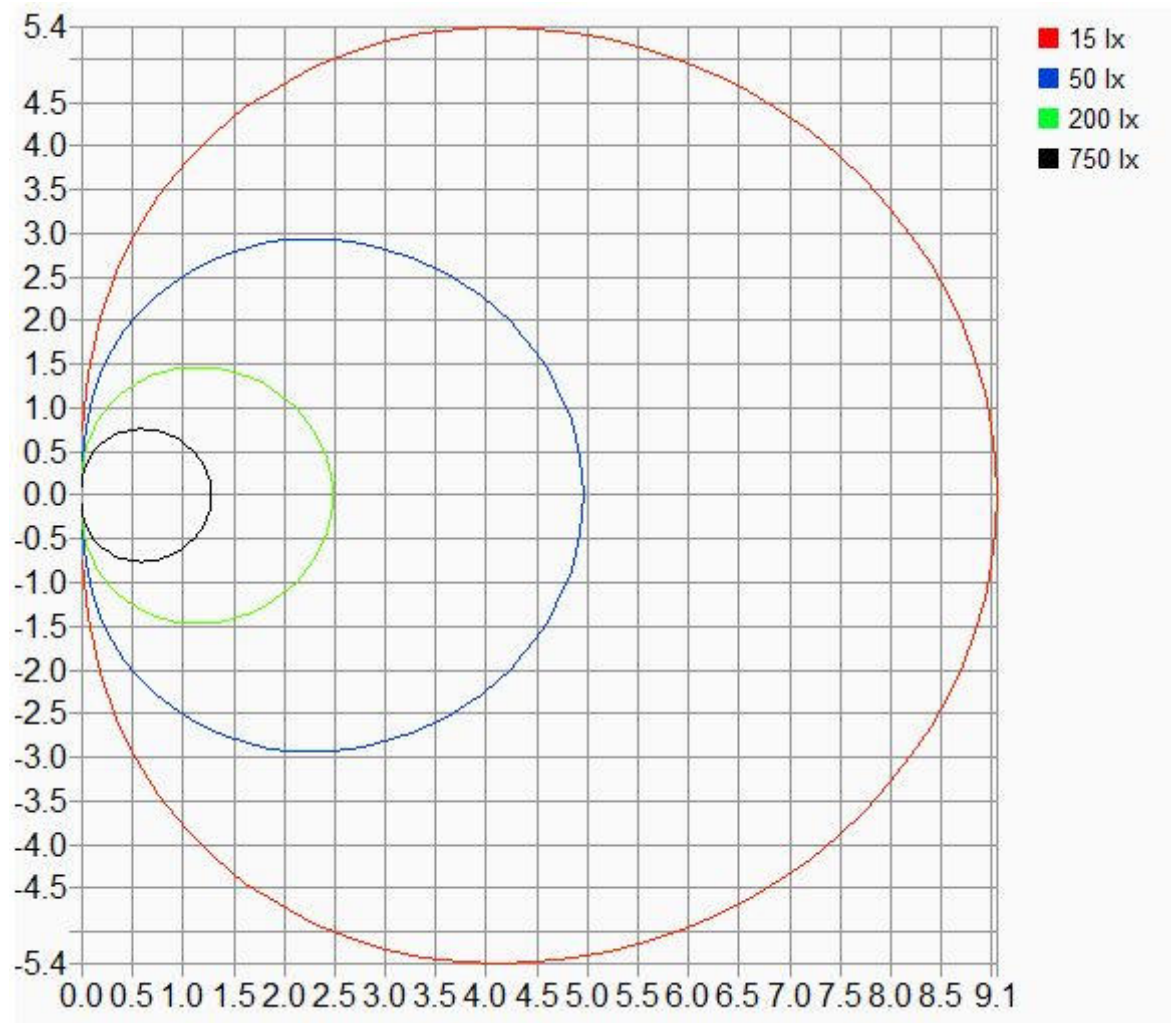
- Cone is limited by the beam angle at the planes of C0 and C90
- H = Mounting Height
- D = Cone diameter
- Ev Edge = Illuminance at the edge of the cone of the C0/90 plane
- Ev Center = Illuminance at the center of the cone



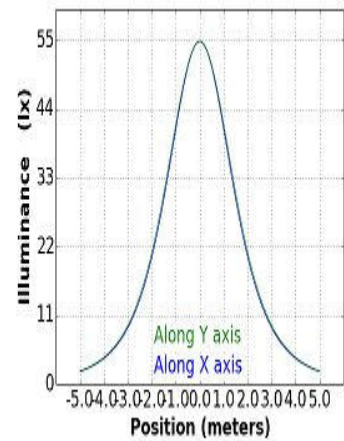
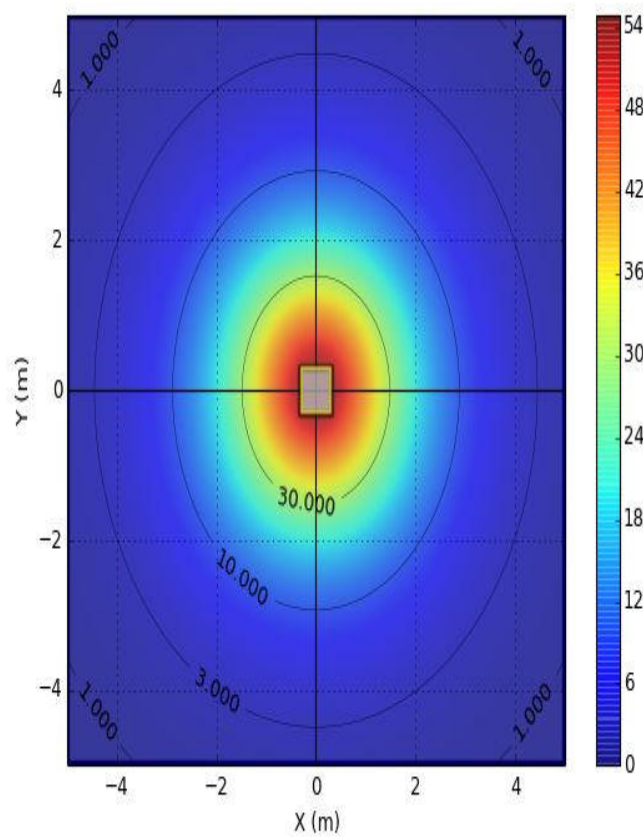
Vertical isolux



Horizontal isolux



Floor illuminance figures at mounting height of 2.5 meters
with C rotation of 0.0 degrees and with gamma rotation of 0.0 degrees.
Degradation factor of installation was 1.00.



Average Ev: 0.00 lx
Uniformity: 0.00 %
Max Ev: 0.00 lx
Min Ev: 0.00 lx

Power Consumption: 0.00 kW

Stabilization time (min) 25

