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LumCAT:

Luminaire: focus sm a e sr3 fa 12W 30K irc 90

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.8000

Test No:

Current(A): 0.1240

Number of Lamps: 1

Power (W): 15.1960

Lamp flux(lm): 1585.0

PF: 0.9570

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1203.06, Efficiency(%): 75.90% , Luminous Efficacy(lm/W): 79.17

Central intensity(cd): 3400.985, Maximum intensity(cd): 3400.985

Angle of maximum intensity: C=0.0 γ =0.0

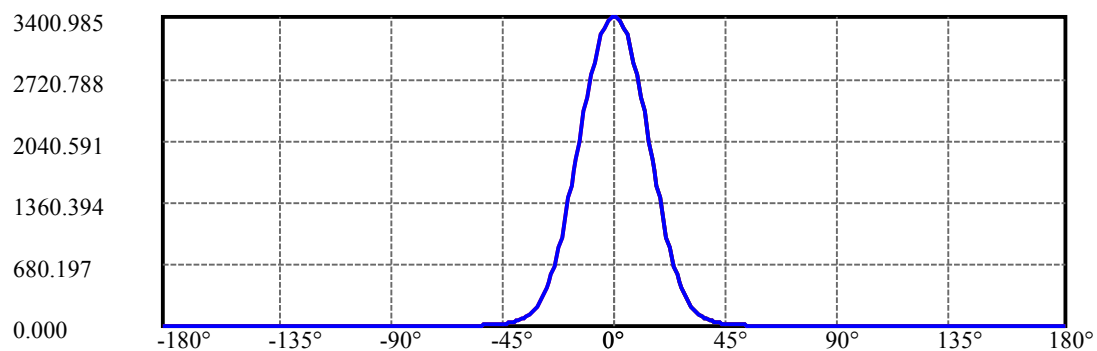
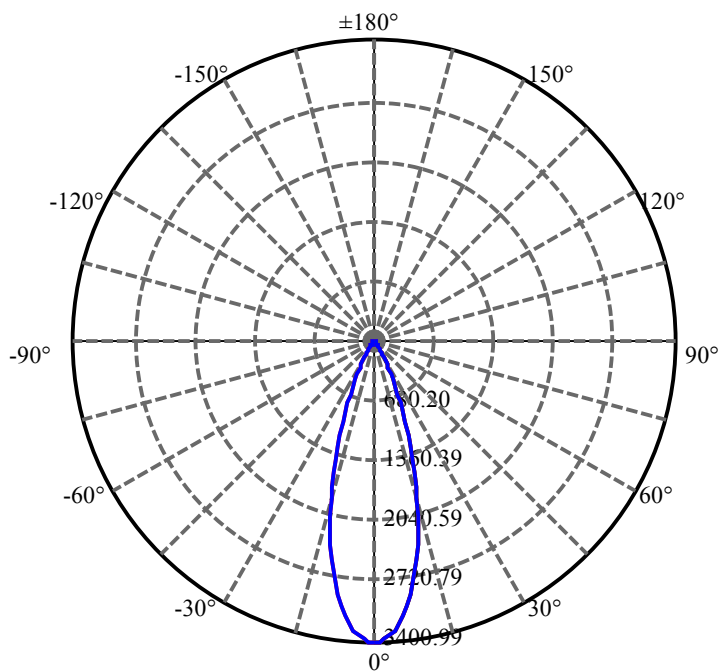
Beam angle of C0 plane : 32.20

Aveage BeamAngle(IEC 61341):32.20

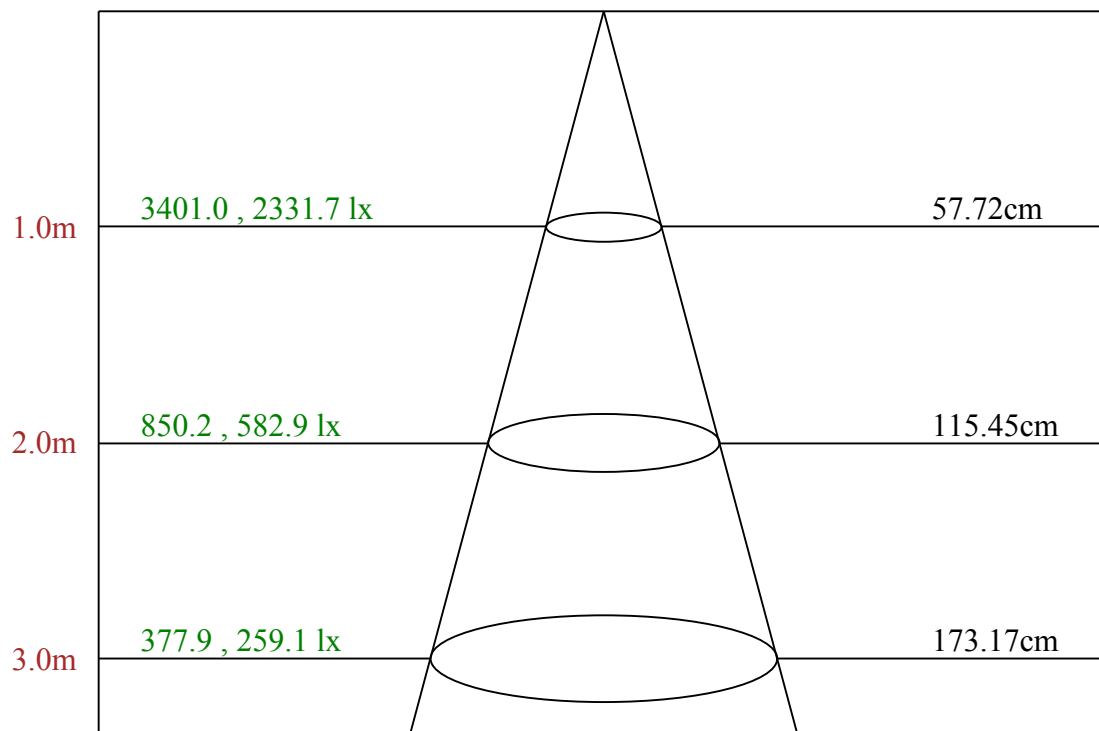
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 28/01/2026
Humidity(%): 55.0%

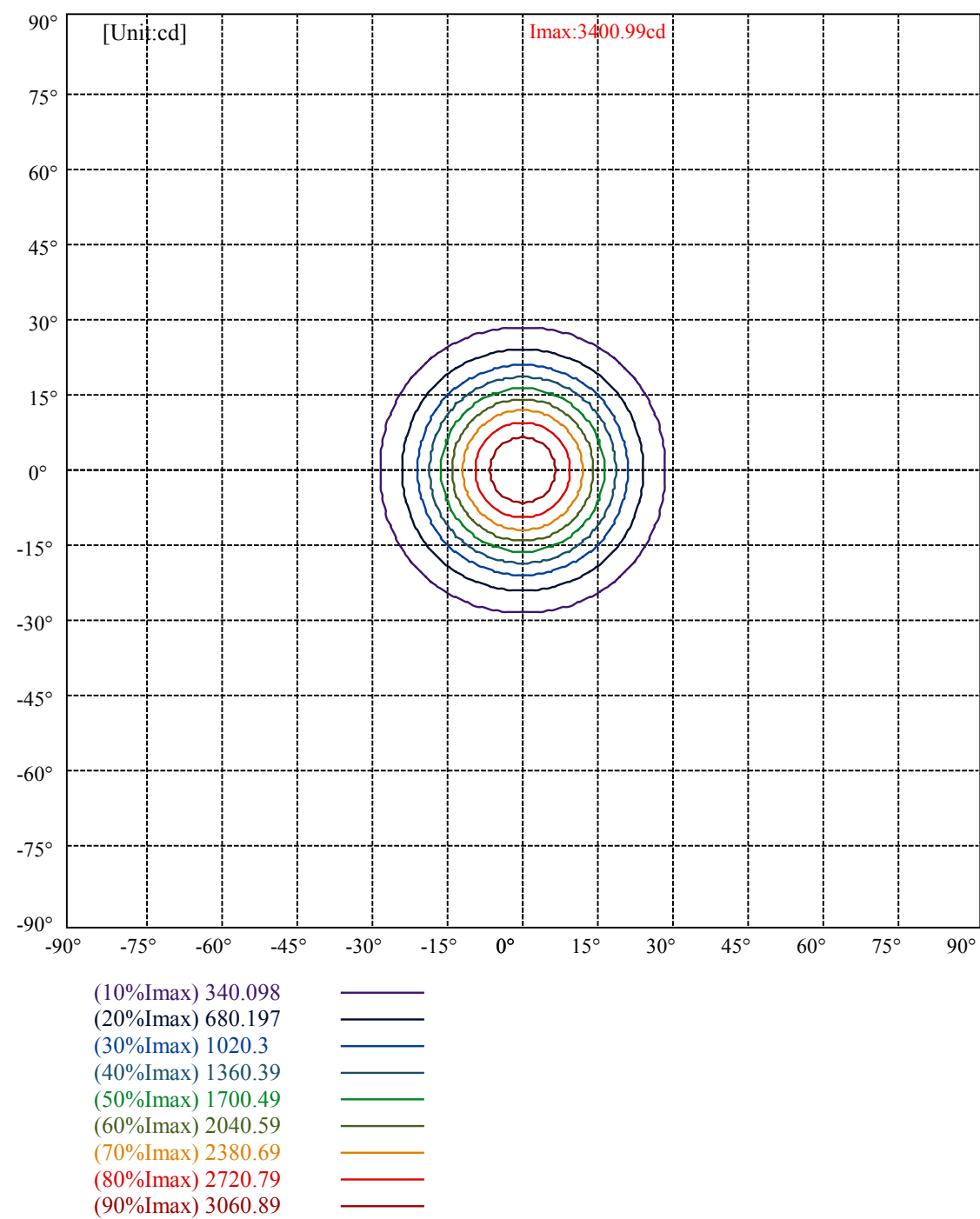
Operator: 01
Distance(m): 6.90



C0(Max):
C0/C180:
C90/C270:



Max , Ave Beam angle of C0 plane 32.20



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Luminance Limiting Curve(no luminous side)

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Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	10731	6577	4997	4344	3752	4124	5306	7749	15079
C45	10731	6577	4997	4344	3752	4124	5306	7749	15079
C90	10731	6577	4997	4344	3752	4124	5306	7749	15079

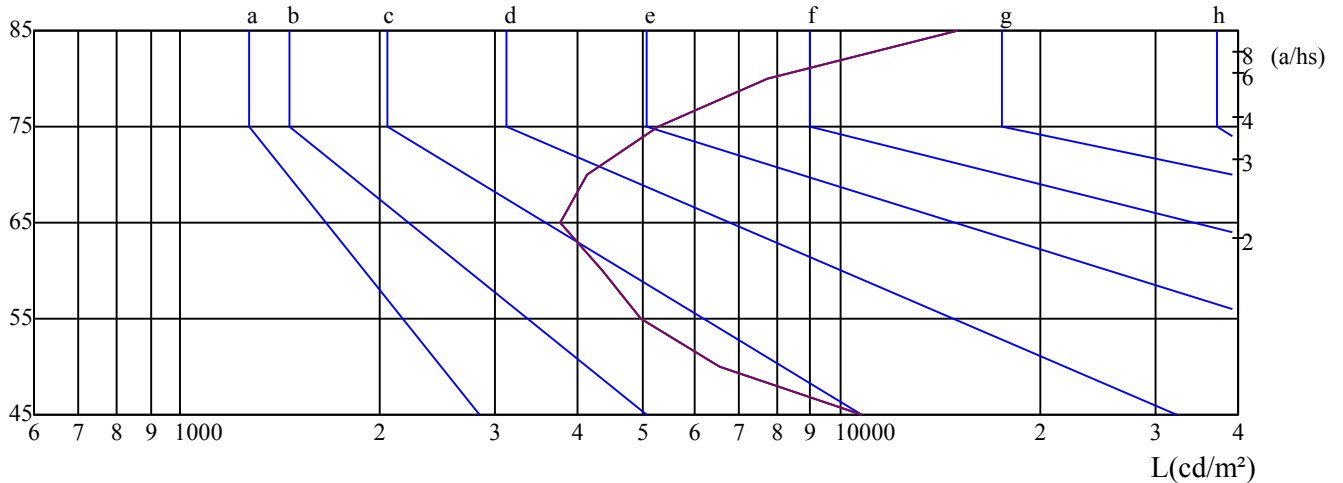
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3752	3752	3752	5306	5306	5306	15079	15079	15079

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

Equipment: equipamento lumini
Temperature($^{\circ}$ C): 25.5

Date: 28/01/2026
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	14.26	15.17	14.67	15.53	15.91	13.91	14.81	14.32	15.18	15.55
	3H	14.32	15.12	14.75	15.51	15.91	13.98	14.79	14.41	15.18	15.58
	4H	14.46	15.21	14.91	15.61	16.04	14.15	14.90	14.60	15.30	15.73
	6H	14.82	15.51	15.29	15.93	16.39	14.55	15.23	15.01	15.66	16.11
	8H	15.10	15.75	15.57	16.18	16.65	14.86	15.51	15.33	15.95	16.41
	12H	15.54	16.16	16.01	16.60	17.07	15.33	15.94	15.80	16.38	16.86
4H	2H	14.06	14.81	14.51	15.21	15.64	13.72	14.47	14.17	14.87	15.29
	3H	14.20	14.83	14.67	15.27	15.75	13.90	14.52	14.37	14.96	15.44
	4H	14.53	15.07	15.01	15.54	16.05	14.26	14.80	14.74	15.27	15.77
	6H	15.09	15.57	15.61	16.07	16.57	14.87	15.35	15.38	15.84	16.35
	8H	15.57	16.01	16.10	16.51	17.04	15.39	15.83	15.91	16.33	16.86
	12H	16.26	16.67	16.80	17.17	17.74	16.11	16.51	16.64	17.01	17.58
8H	4H	14.58	15.03	15.11	15.53	16.05	14.33	14.77	14.86	15.27	15.80
	6H	15.39	15.75	15.94	16.27	16.84	15.20	15.56	15.74	16.08	16.64
	8H	16.12	16.42	16.69	16.98	17.53	15.98	16.28	16.55	16.84	17.39
	12H	17.09	17.32	17.67	17.88	18.45	16.97	17.20	17.55	17.76	18.33
12H	4H	14.61	15.02	15.14	15.52	16.09	14.37	14.77	14.90	15.27	15.84
	6H	15.56	15.86	16.13	16.42	16.97	15.38	15.68	15.95	16.24	16.79
	8H	16.36	16.59	16.94	17.15	17.72	16.22	16.45	16.81	17.01	17.59
Variation with the observer position at spacings:											
S = 1.0H		4.1/-3.4					4.1/-3.4				
S = 1.5H		5.6/-2.6					5.6/-2.6				
S = 2.0H		6.5/-2.1					6.5/-2.1				
Standard tables:		BK4					BK4				
Uncorrected UGR		-2.2					-2.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25