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LumCAT:

Luminaire: led wide sm e

LampCAT: modulo led tr 12W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.7600

Test No:

Current(A): 0.1030

Number of Lamps: 1

Power (W): 12.2500

Lamp flux(lm): 1200.0

PF: 0.9290

Length(mm): 127

Width(mm): 127

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 738.93, Efficiency(%): 61.58% , Luminous Efficacy(lm/W): 60.32

Central intensity(cd): 341.971, Maximum intensity(cd): 341.971

Angle of maximum intensity: C=0.0 γ =0.0

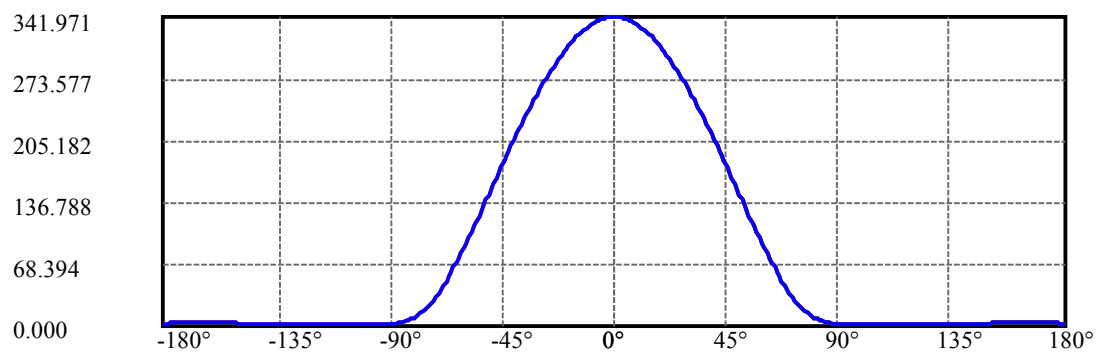
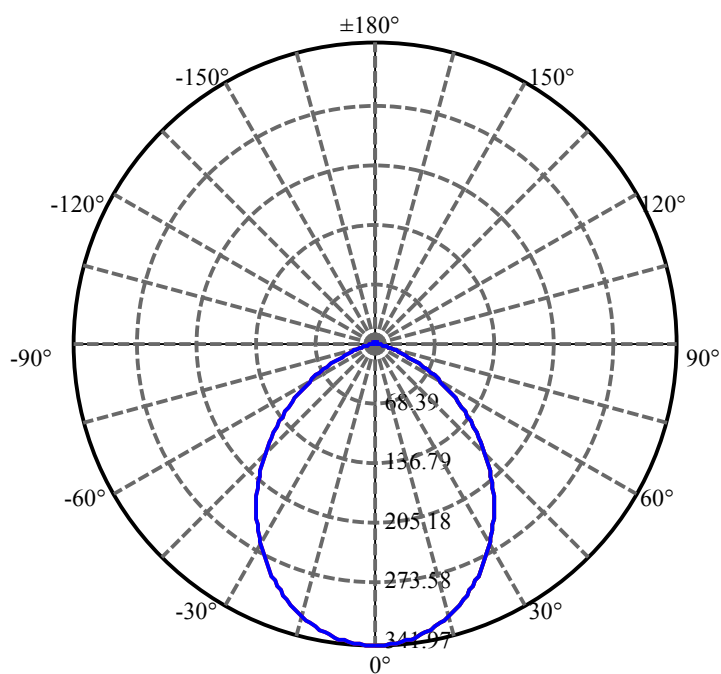
Beam angle of C0 plane : 91.61

Aveage BeamAngle(IEC 61341):91.61

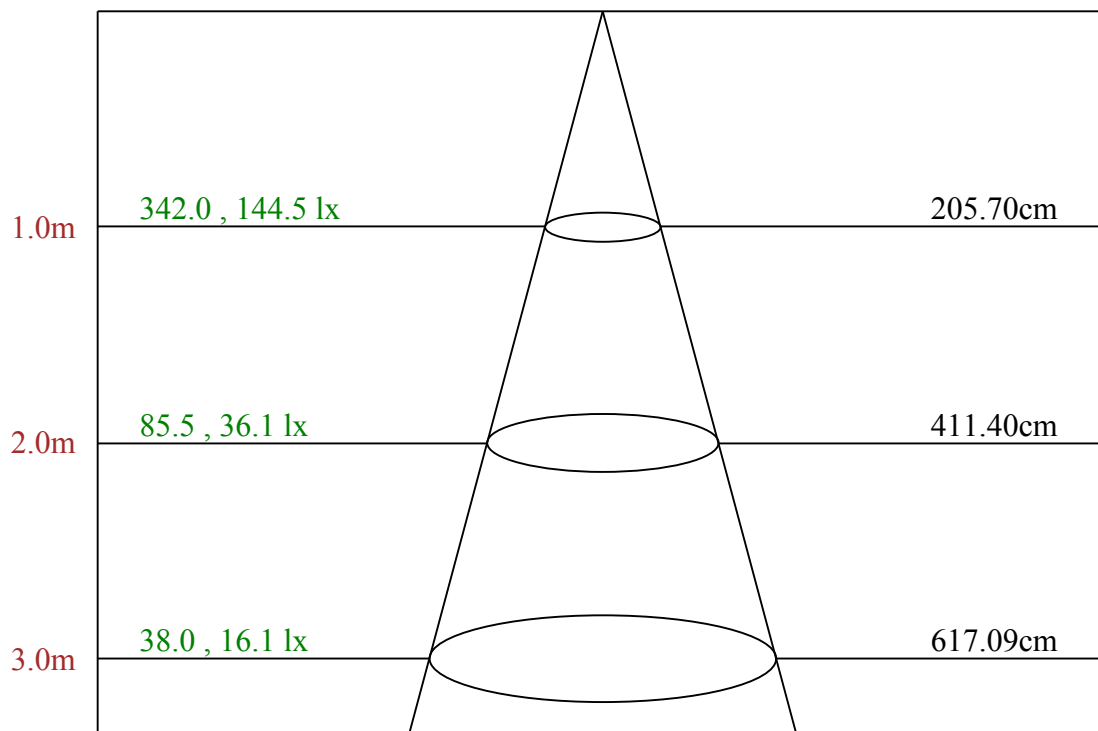
Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 04/06/2025
Humidity(%): 58.0%

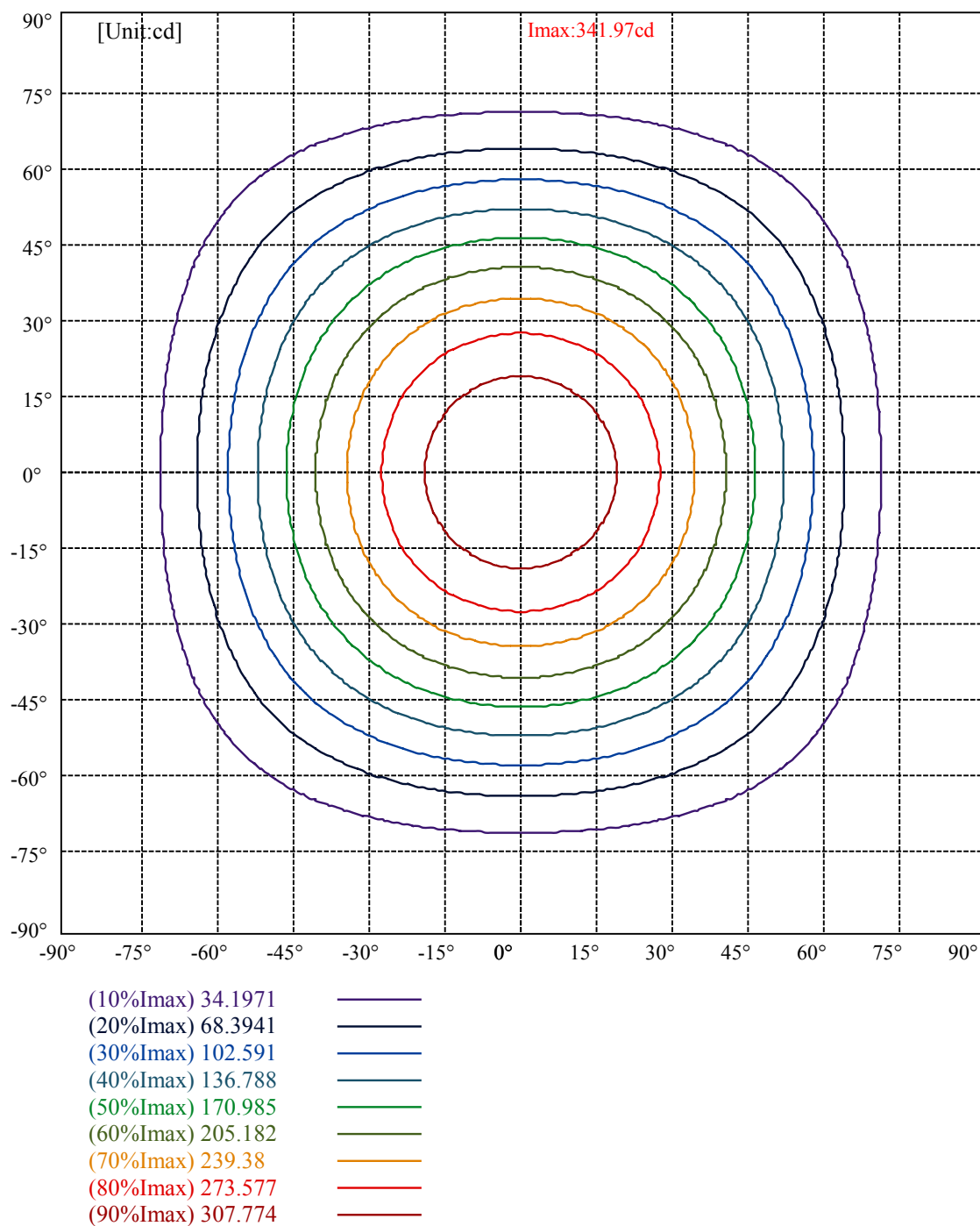
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 91.61



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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	15426	14030	12486	10728	8769	6517	4502	3151	3192
C45	15426	14030	12486	10728	8769	6517	4502	3151	3192
C90	15426	14030	12486	10728	8769	6517	4502	3151	3192

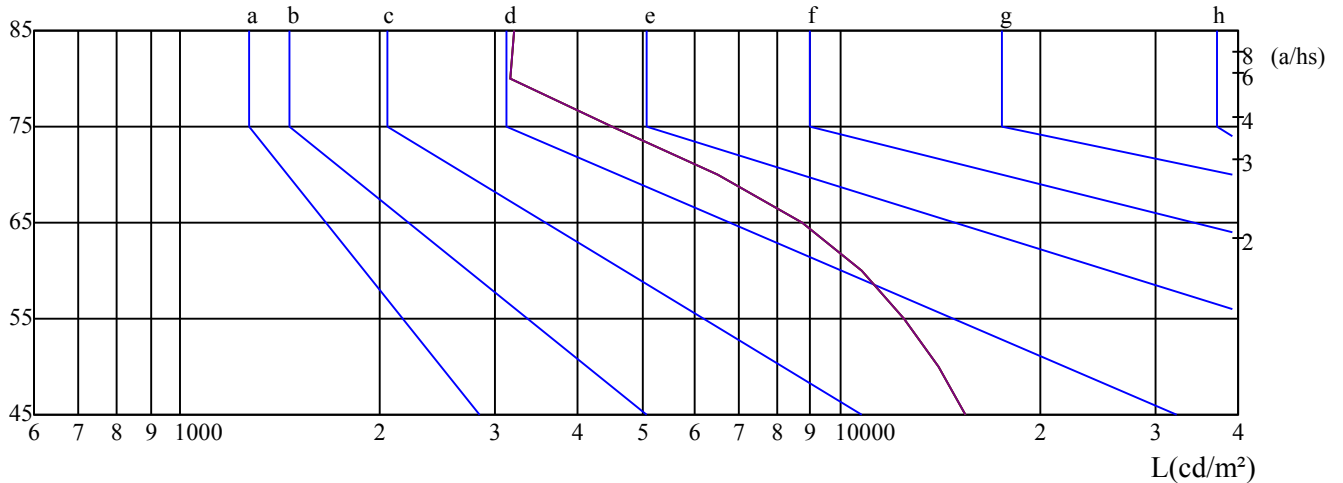
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
8769	8769	8769	4502	4502	4502	3192	3192	3192

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($^{\circ}\text{C}$): 25.0

Date: 04/06/2025
Humidity(%): 58.0%

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	21.39	22.84	21.79	23.20	23.57	21.50	22.95	21.90	23.31	23.68
	3H	22.17	23.47	22.59	23.85	24.25	22.35	23.65	22.77	24.03	24.43
	4H	22.31	23.53	22.74	23.92	24.34	22.52	23.73	22.95	24.13	24.55
	6H	22.36	23.48	22.80	23.89	24.34	22.59	23.72	23.04	24.13	24.57
	8H	22.33	23.41	22.78	23.83	24.29	22.57	23.65	23.02	24.07	24.53
	12H	22.30	23.33	22.76	23.76	24.23	22.56	23.59	23.01	24.02	24.48
4H	2H	21.96	23.18	22.39	23.57	23.99	22.05	23.27	22.48	23.66	24.08
	3H	22.86	23.87	23.31	24.30	24.77	23.01	24.03	23.47	24.46	24.92
	4H	23.10	24.00	23.57	24.46	24.95	23.29	24.18	23.76	24.64	25.13
	6H	23.15	23.94	23.65	24.42	24.92	23.37	24.16	23.86	24.64	25.13
	8H	23.16	23.90	23.67	24.38	24.90	23.38	24.12	23.89	24.61	25.12
	12H	23.17	23.85	23.68	24.33	24.89	23.41	24.09	23.92	24.57	25.13
8H	4H	23.18	23.91	23.69	24.40	24.92	23.35	24.09	23.86	24.57	25.09
	6H	23.26	23.87	23.79	24.38	24.93	23.46	24.08	23.99	24.58	25.14
	8H	23.34	23.87	23.89	24.42	24.96	23.56	24.09	24.11	24.64	25.18
	12H	23.37	23.81	23.93	24.36	24.92	23.61	24.05	24.17	24.60	25.16
12H	4H	23.16	23.84	23.68	24.33	24.88	23.33	24.01	23.85	24.50	25.05
	6H	23.30	23.83	23.85	24.38	24.92	23.50	24.03	24.05	24.58	25.12
	8H	23.35	23.79	23.91	24.34	24.90	23.56	24.01	24.12	24.56	25.12
Variation with the observer position at spacings:											
S = 1.0H		0.5/-0.6					0.5/-0.6				
S = 1.5H		0.7/-1.4					0.7/-1.4				
S = 2.0H		2.2/-2.1					2.2/-2.1				
Standard tables:		BK2					BK2				
Uncorrected UGR		4.5					4.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25