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## lumini

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LumCAT:

Luminaire: beam cob esp fc

LampCAT: modulo led 15.5W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.1340

Number of Lamps: 1

Power (W): 15.8700

Lamp flux(lm): 1265.0

PF: 0.9300

Length(mm): 130

Width(mm): 130

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 884.33, Efficiency(%): 69.91% , Luminous Efficacy(lm/W): 55.72

Central intensity(cd): 7539.281, Maximum intensity(cd): 7539.281

Angle of maximum intensity:  $C=0.0$   $\gamma=0.0$

Beam angle of C0 plane : 16.50

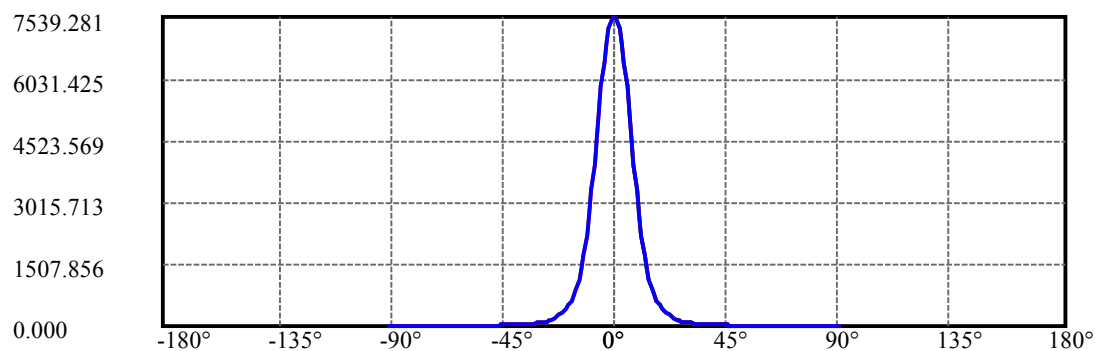
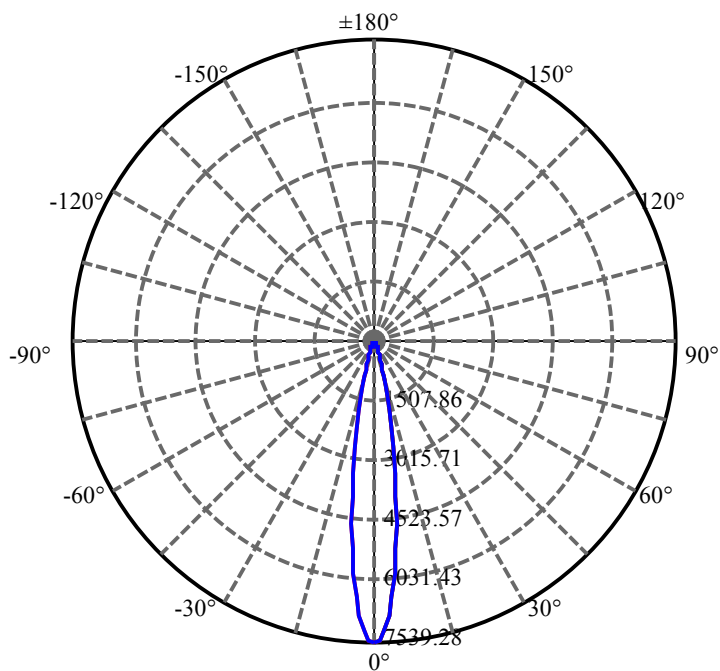
Average BeamAngle(IEC 61341): 16.50

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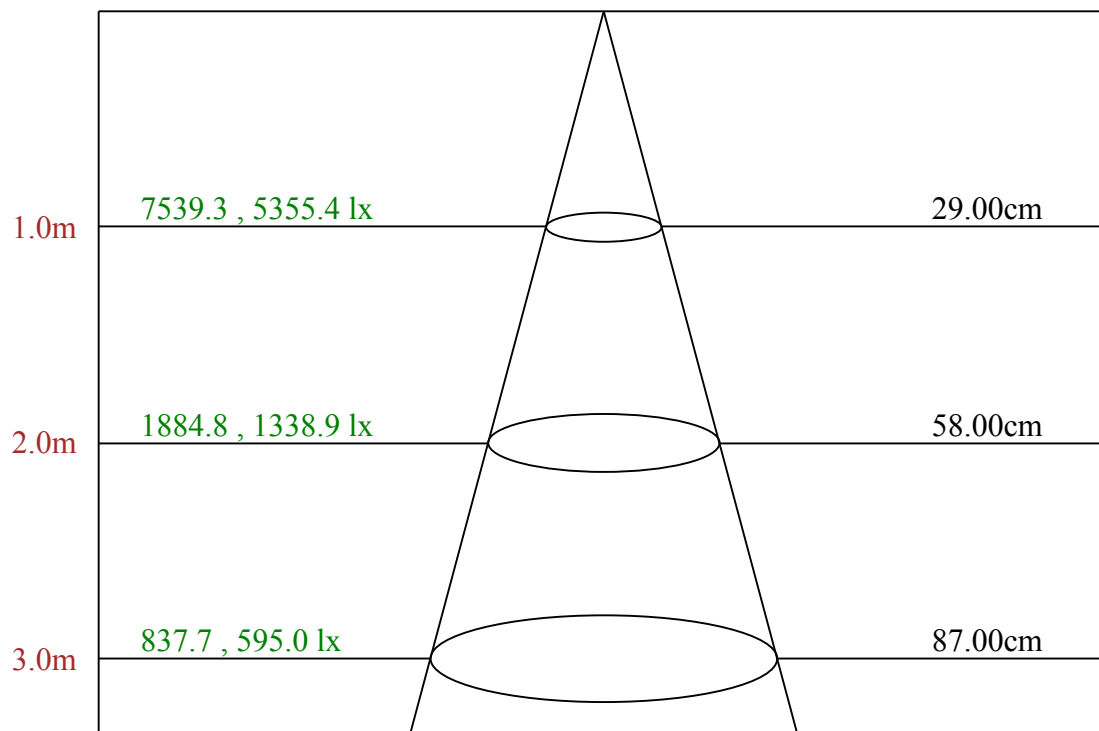
Equipment: equipamento lumini  
Temperature(°C): 25.5

Date: 16/09/2024  
Humidity(%): 55.0%

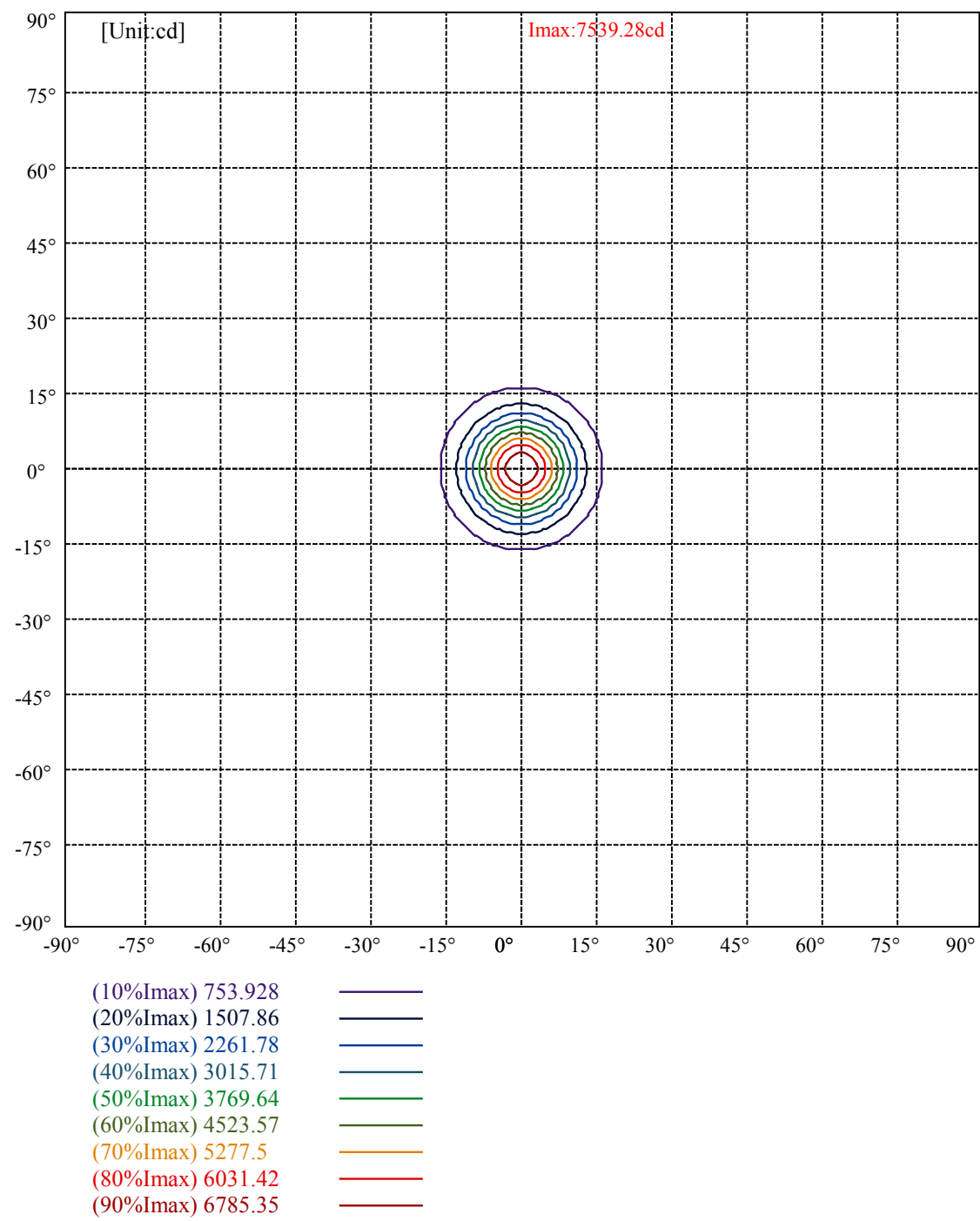
Operator: 01  
Distance(m): 6.90



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



Max , Ave      Beam angle of C0 plane 16.50



Luminance Table

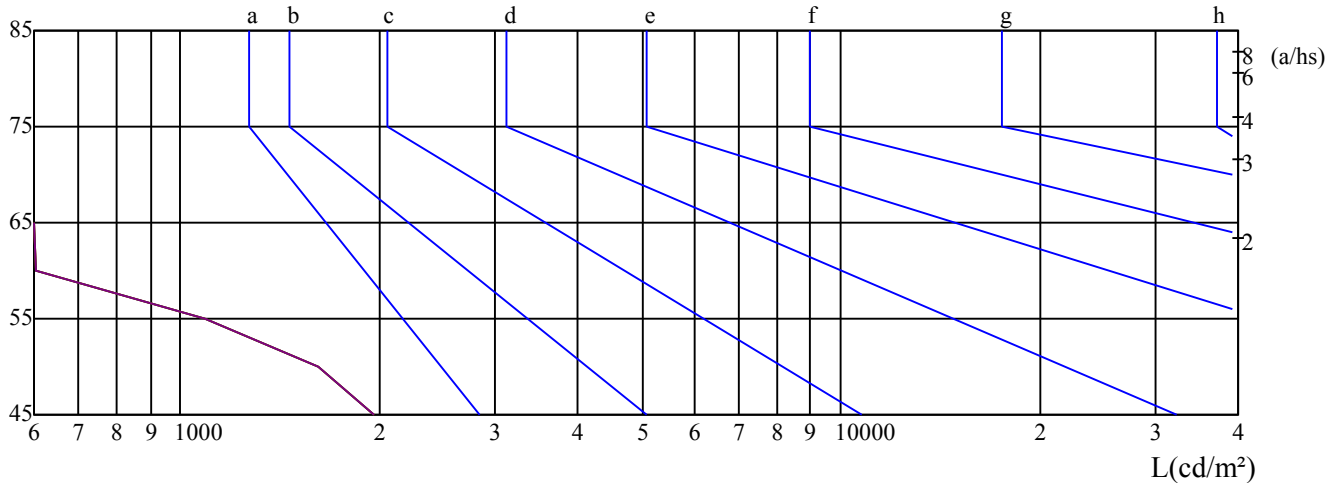
$\gamma$	45	50	55	60	65	70	75	80	85
C0	1968	1613	1090	603	533	502	610	876	1681
C45	1968	1613	1090	603	533	502	610	876	1681
C90	1968	1613	1090	603	533	502	610	876	1681

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
533	533	533	610	610	610	1681	1681	1681

Glare Table

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

Luminance Limiting Curve

 $\gamma(^{\circ})$ 

C0 ———

C45 ———

C90 ———

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	5.61	6.55	5.97	6.86	7.18	5.61	6.55	5.97	6.86	7.18
	3H	5.80	6.64	6.19	6.97	7.32	5.80	6.64	6.19	6.97	7.32
	4H	6.01	6.78	6.41	7.13	7.50	6.01	6.78	6.41	7.13	7.50
	6H	6.44	7.14	6.86	7.52	7.92	6.44	7.14	6.86	7.52	7.92
	8H	6.75	7.43	7.18	7.81	8.22	6.75	7.43	7.18	7.81	8.22
	12H	7.23	7.87	7.66	8.27	8.68	7.23	7.87	7.66	8.27	8.68
4H	2H	5.53	6.30	5.93	6.66	7.03	5.53	6.30	5.93	6.66	7.03
	3H	5.83	6.48	6.26	6.87	7.29	5.83	6.48	6.26	6.87	7.29
	4H	6.23	6.78	6.67	7.21	7.66	6.23	6.78	6.67	7.21	7.66
	6H	6.86	7.35	7.34	7.81	8.26	6.86	7.35	7.34	7.81	8.26
	8H	7.37	7.83	7.86	8.29	8.76	7.37	7.83	7.86	8.29	8.76
	12H	8.09	8.51	8.58	8.96	9.49	8.09	8.51	8.58	8.96	9.49
8H	4H	6.31	6.77	6.80	7.23	7.70	6.31	6.77	6.80	7.23	7.70
	6H	7.20	7.57	7.71	8.05	8.57	7.20	7.57	7.71	8.05	8.57
	8H	7.96	8.27	8.50	8.80	9.30	7.96	8.27	8.50	8.80	9.30
	12H	8.96	9.20	9.51	9.72	10.24	8.96	9.20	9.51	9.72	10.24
12H	4H	6.35	6.77	6.84	7.22	7.74	6.35	6.77	6.84	7.22	7.74
	6H	7.38	7.69	7.91	8.21	8.71	7.38	7.69	7.91	8.21	8.71
	8H	8.21	8.45	8.76	8.97	9.49	8.21	8.45	8.76	8.97	9.49
Variation with the observer position at spacings:											
S = 1.0H		1.3/-1.8					1.3/-1.8				
S = 1.5H		2.4/-2.5					2.4/-2.5				
S = 2.0H		3.8/-2.1					3.8/-2.1				
Standard tables:		BK4					BK4				
Uncorrected UGR		-10.0					-10.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25