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## lumini

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LumCAT:

Luminaire: nord 300 s

LampCAT: modulo led tr 12W 27K irc 90

Ballast type:

Report No:

Voltage(V): 221.0000

Test No:

Current(A): 0.0590

Number of Lamps: 1

Power (W): 12.1000

Lamp flux(lm): 1200.0

PF: 0.9200

Length(mm): 300

Width(mm): 300

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 429.32, Efficiency(%): 35.78% , Luminous Efficacy(lm/W): 35.48

Central intensity(cd): 129.547, Maximum intensity(cd): 129.547

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

Beam angle of C0 plane : 90.55

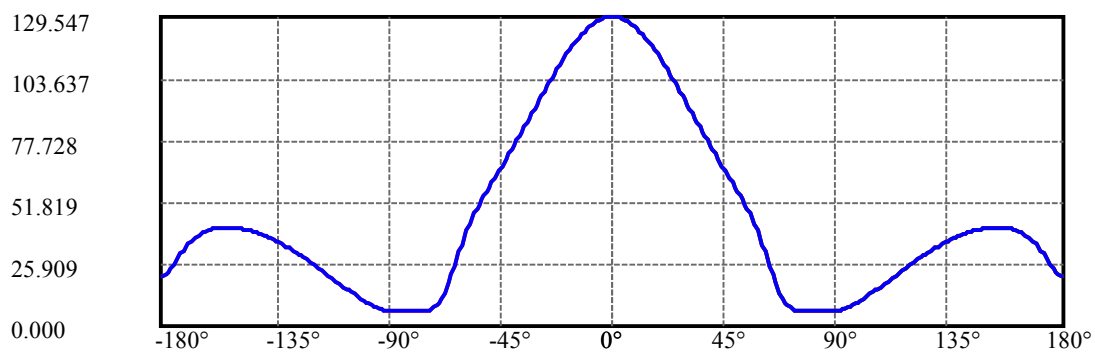
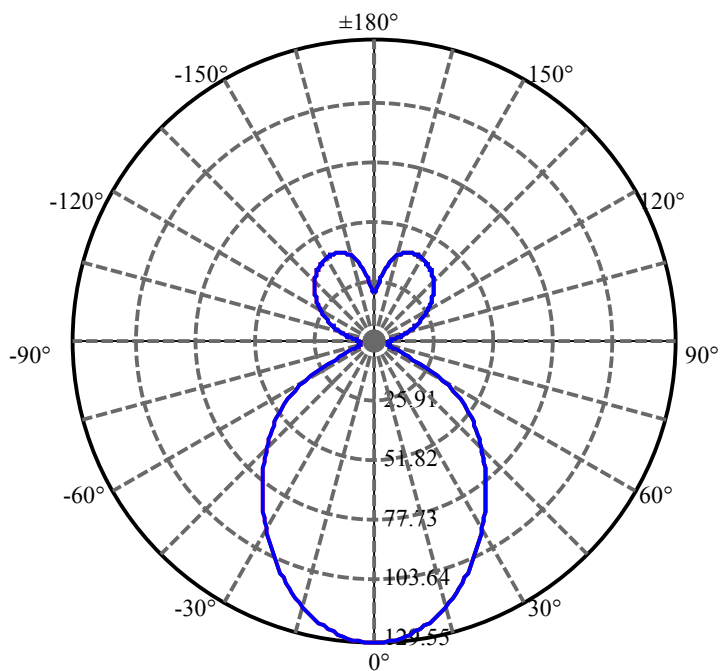
Aveage BeamAngle(IEC 61341):90.55

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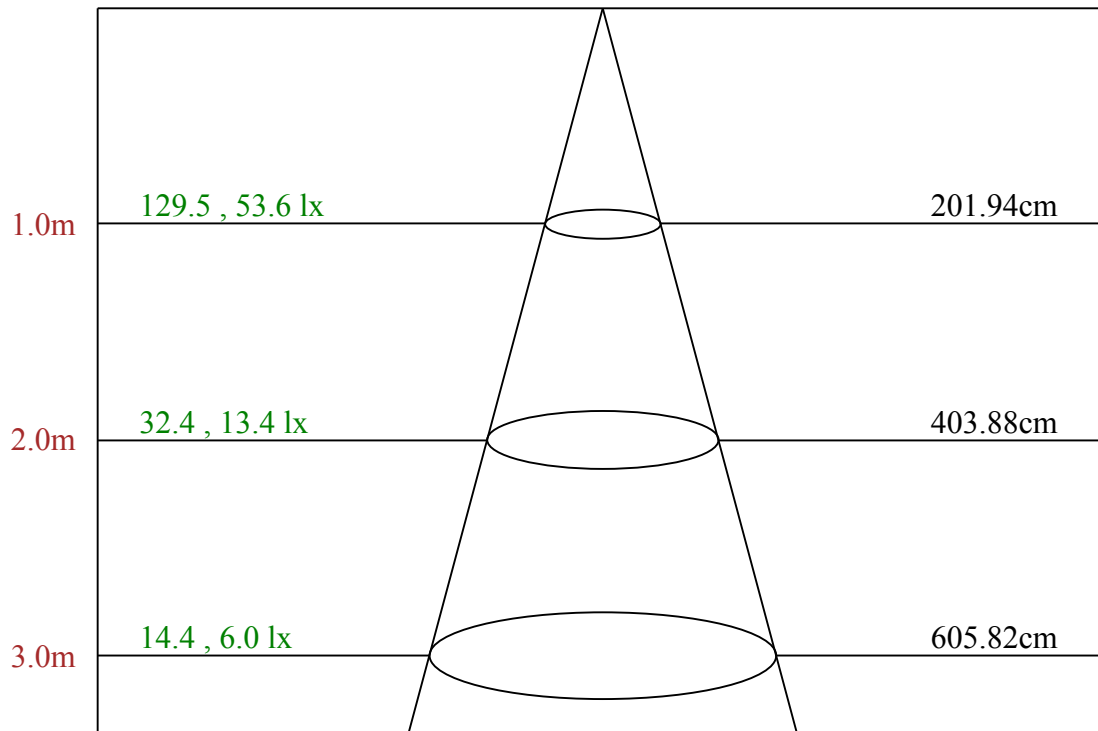
Equipment: equipamento lumini  
Temperature(°C): 25.5

Date: 31/10/2024  
Humidity(%): 55.0%

Operator: 01  
Distance(m): 6.90

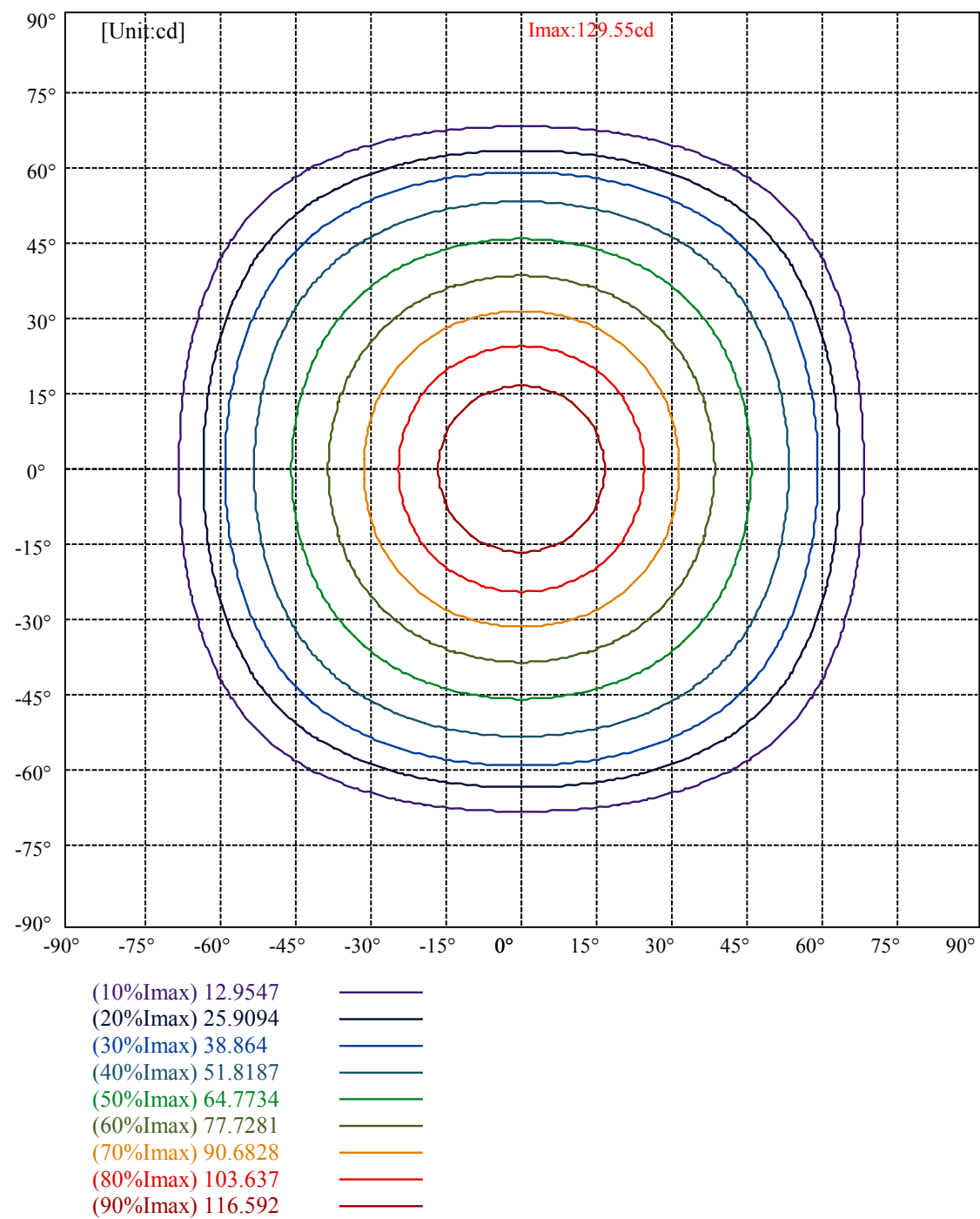


C0(Max):  
C0/C180:  
C90/C270:



Max , Ave

Beam angle of C0 plane 90.55



# lumini

## Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	1026	975	914	754	491	285	270	399	795
C45	1026	975	914	754	491	285	270	399	795
C90	1026	975	914	754	491	285	270	399	795

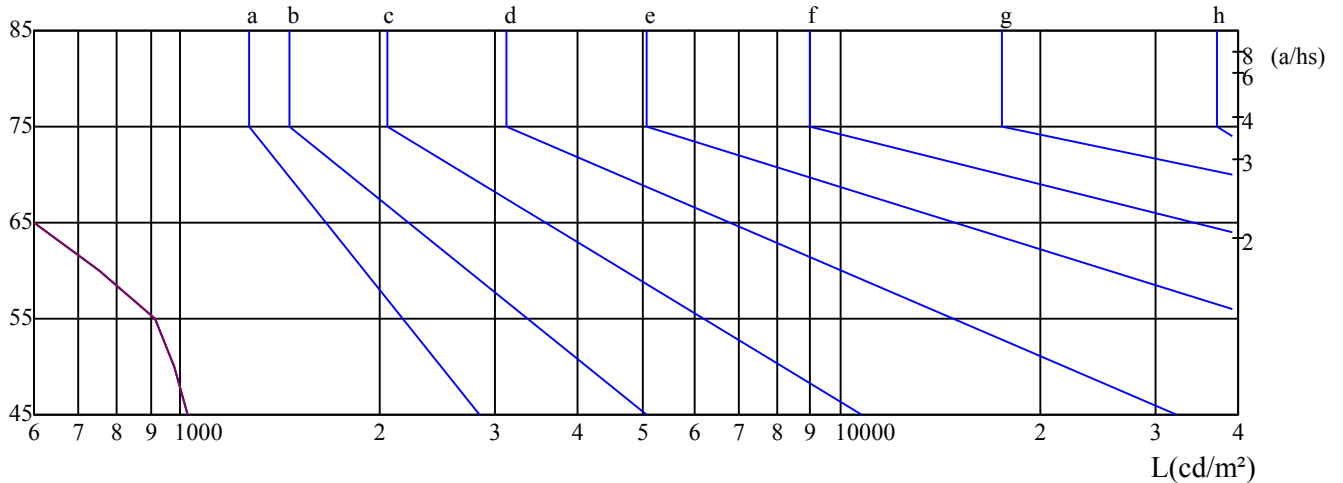
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
491	491	491	270	270	270	795	795	795

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 —

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

Date: 31/10/2024  
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	8.97	9.92	9.81	10.78	11.86	8.97	9.92	9.81	10.78	11.86
	3H	9.30	10.15	10.16	11.02	12.12	9.30	10.15	10.16	11.02	12.12
	4H	9.36	10.15	10.23	11.03	12.14	9.36	10.15	10.23	11.03	12.14
	6H	9.55	10.29	10.43	11.18	12.31	9.55	10.29	10.43	11.18	12.31
	8H	9.71	10.42	10.60	11.32	12.45	9.71	10.42	10.60	11.32	12.45
	12H	9.99	10.67	10.88	11.57	12.71	9.99	10.67	10.88	11.57	12.71
4H	2H	9.24	10.03	10.11	10.92	12.02	9.24	10.03	10.11	10.92	12.02
	3H	9.59	10.26	10.48	11.16	12.30	9.59	10.26	10.48	11.16	12.30
	4H	9.75	10.35	10.66	11.26	12.42	9.75	10.35	10.66	11.26	12.42
	6H	10.04	10.57	10.96	11.50	12.65	10.04	10.57	10.96	11.50	12.65
	8H	10.33	10.82	11.26	11.76	12.92	10.33	10.82	11.26	11.76	12.92
	12H	10.80	11.25	11.73	12.17	13.37	10.80	11.25	11.73	12.17	13.37
8H	4H	9.74	10.23	10.67	11.16	12.33	9.74	10.23	10.67	11.16	12.33
	6H	10.18	10.59	11.12	11.53	12.72	10.18	10.59	11.12	11.53	12.72
	8H	10.68	11.04	11.63	12.00	13.19	10.68	11.04	11.63	12.00	13.19
	12H	11.36	11.67	12.31	12.63	13.82	11.36	11.67	12.31	12.63	13.82
12H	4H	9.75	10.20	10.68	11.13	12.32	9.75	10.20	10.68	11.13	12.32
	6H	10.29	10.65	11.25	11.61	12.80	10.29	10.65	11.25	11.61	12.80
	8H	10.82	11.12	11.77	12.09	13.28	10.82	11.12	11.77	12.09	13.28
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.5					0.3/-0.5				
S = 1.5H		0.5/-1.6					0.5/-1.6				
S = 2.0H		2.1/-2.7					2.1/-2.7				
Standard tables:		BK3					BK3				
Uncorrected UGR		-5.6					-5.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25