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## lumini

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LumCAT:

Luminaire: mini downled r serie 2 e fm

LampCAT: modulo led 4W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 125.0000

Test No:

Current(A): 0.0450

Number of Lamps: 1

Power (W): 5.6250

Lamp flux(lm): 429.0

PF: 0.0000

Length(mm): 26

Width(mm): 26

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 262.38, Efficiency(%): 61.16% , Luminous Efficacy(lm/W): 46.65

Central intensity(cd): 977.802, Maximum intensity(cd): 977.802

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

Beam angle of C0 plane : 28.77

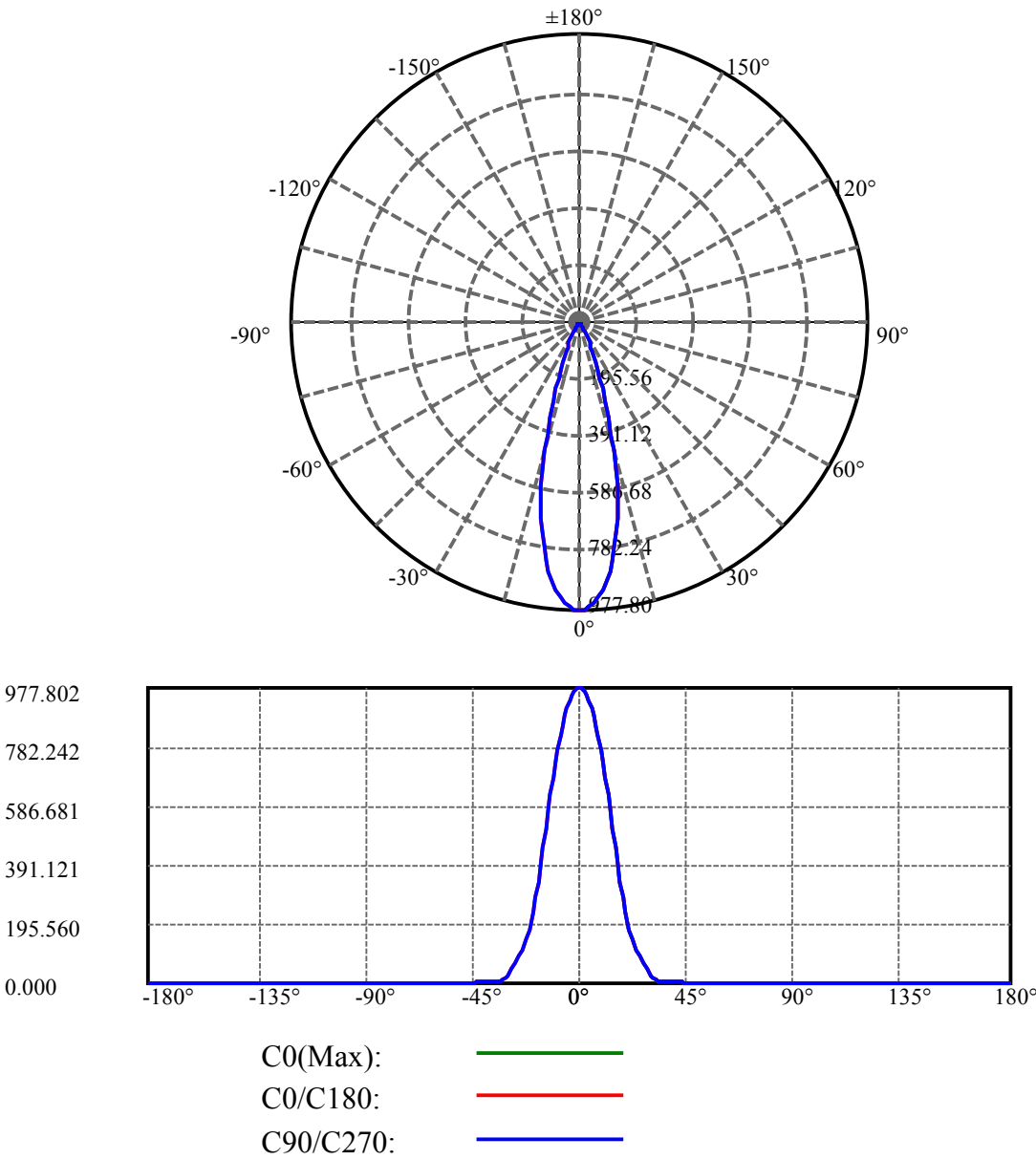
Aveage BeamAngle(IEC 61341):28.77

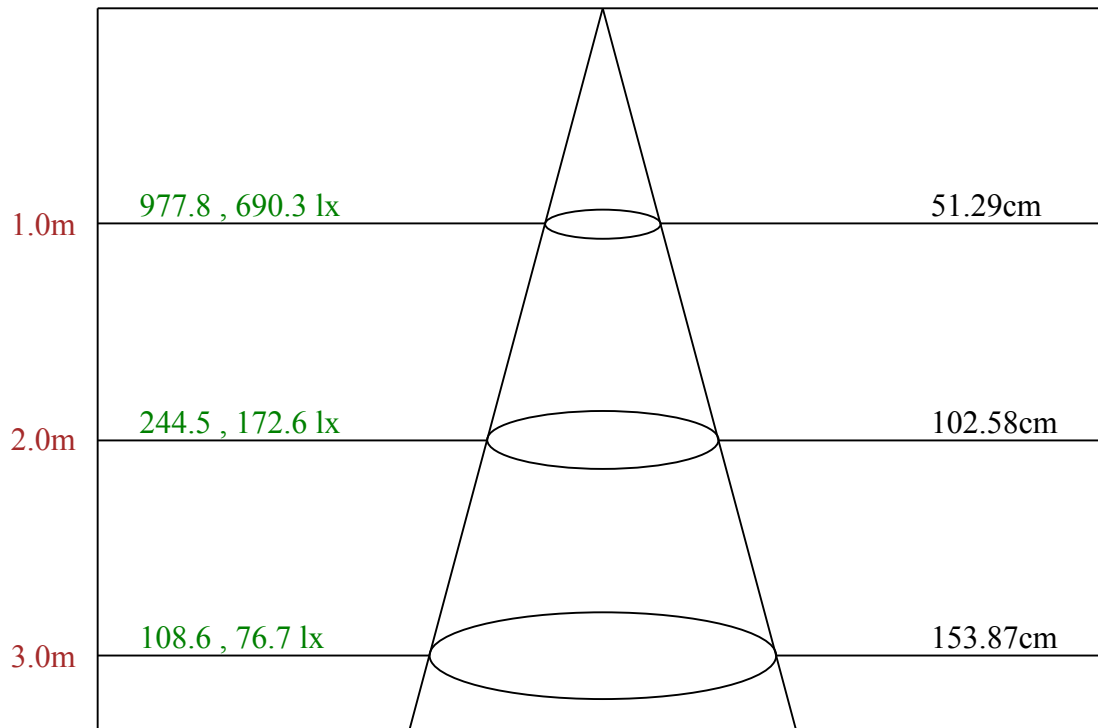
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Equipment: equipamento lumini  
Temperature(°C): 25.5

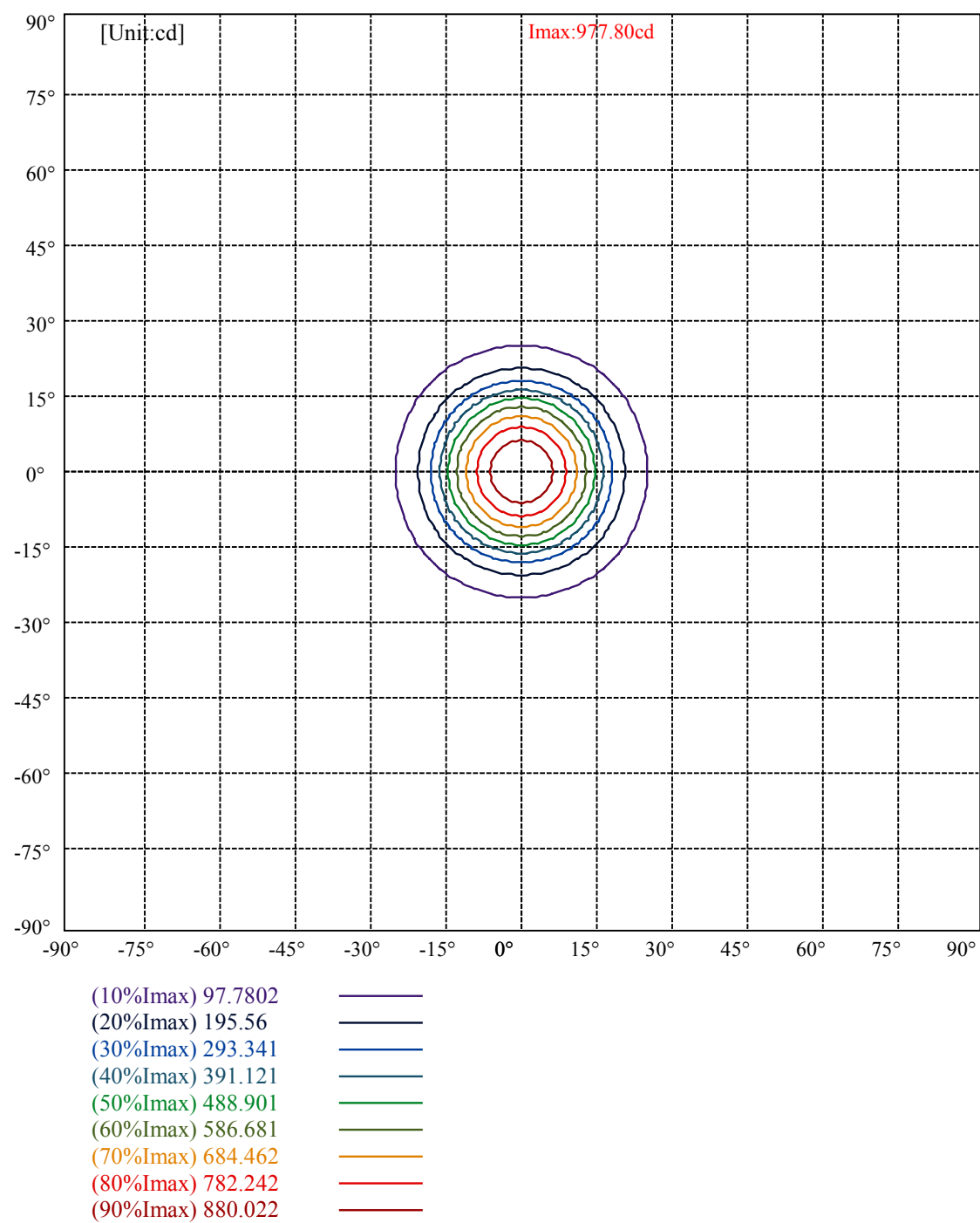
Date: 29/01/2025  
Humidity(%): 55.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 28.77



Luminance Table

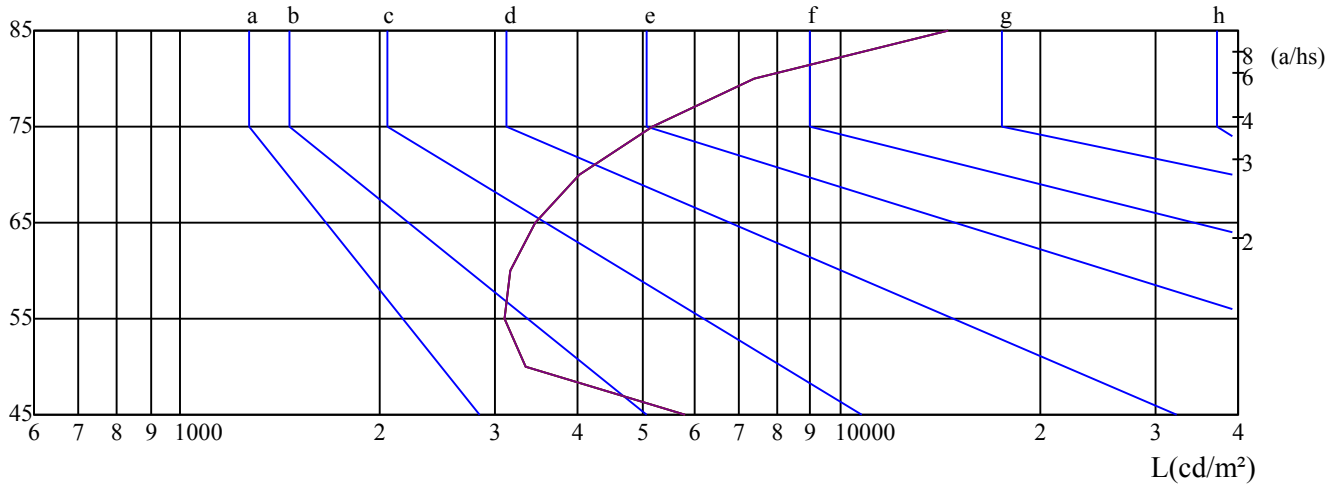
$\gamma$	45	50	55	60	65	70	75	80	85
C0	5827	3342	3100	3152	3458	4015	5170	7402	14545
C45	5827	3342	3100	3152	3458	4015	5170	7402	14545
C90	5827	3342	3100	3152	3458	4015	5170	7402	14545

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3458	3458	3458	5170	5170	5170	14545	14545	14545

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	6.25	7.14	6.66	7.50	7.88	6.95	7.85	7.36	8.20	8.58
	3H	8.04	8.83	8.47	9.22	9.62	8.45	9.25	8.88	9.63	10.03
	4H	9.20	9.93	9.64	10.33	10.76	9.51	10.25	9.95	10.65	11.07
	6H	10.72	11.39	11.18	11.82	12.27	10.99	11.66	11.45	12.09	12.54
	8H	11.64	12.28	12.11	12.71	13.17	11.88	12.52	12.34	12.95	13.41
	12H	12.75	13.35	13.22	13.79	14.27	12.96	13.56	13.43	14.00	14.48
4H	2H	6.71	7.44	7.15	7.84	8.27	7.28	8.01	7.72	8.41	8.84
	3H	8.82	9.44	9.29	9.88	10.35	9.12	9.74	9.59	10.18	10.65
	4H	10.28	10.81	10.76	11.28	11.78	10.49	11.03	10.97	11.49	12.00
	6H	12.01	12.48	12.52	12.97	13.48	12.21	12.68	12.73	13.18	13.68
	8H	13.08	13.52	13.61	14.02	14.54	13.26	13.69	13.78	14.19	14.72
	12H	14.35	14.75	14.88	15.25	15.82	14.51	14.92	15.04	15.41	15.98
8H	4H	10.85	11.28	11.37	11.78	12.31	11.02	11.45	11.54	11.95	12.48
	6H	12.88	13.24	13.43	13.76	14.32	13.05	13.40	13.59	13.92	14.49
	8H	14.21	14.50	14.78	15.06	15.61	14.34	14.64	14.91	15.20	15.75
	12H	15.70	15.93	16.28	16.48	17.06	15.83	16.06	16.41	16.61	17.19
12H	4H	11.03	11.43	11.56	11.92	12.49	11.18	11.58	11.71	12.08	12.65
	6H	13.23	13.53	13.80	14.09	14.63	13.38	13.67	13.95	14.24	14.78
	8H	14.63	14.85	15.21	15.41	15.98	14.75	14.97	15.33	15.53	16.10
Variation with the observer position at spacings:											
S = 1.0H		1.3/-1.1					1.3/-1.1				
S = 1.5H		1.4/-1.2					1.4/-1.2				
S = 2.0H		1.5/-1.2					1.5/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-3.0					-3.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25