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LumCAT:

Luminaire: led line perfil 12V e lp 7.5W (com difusor)

LampCAT: modulo led line 15W/m 12Vdc 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 124.0000

Test No:

Current(A): 0.1040

Number of Lamps: 1

Power (W): 12.8960

Lamp flux(lm): 707.0

PF: 0.0000

Length(mm): 500

Width(mm): 21

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 414.20, Efficiency(%): 58.59% , Luminous Efficacy(lm/W): 32.12

Central intensity(cd): 148.769, Maximum intensity(cd): 148.769

Angle of maximum intensity: C=0.0 γ =0.0

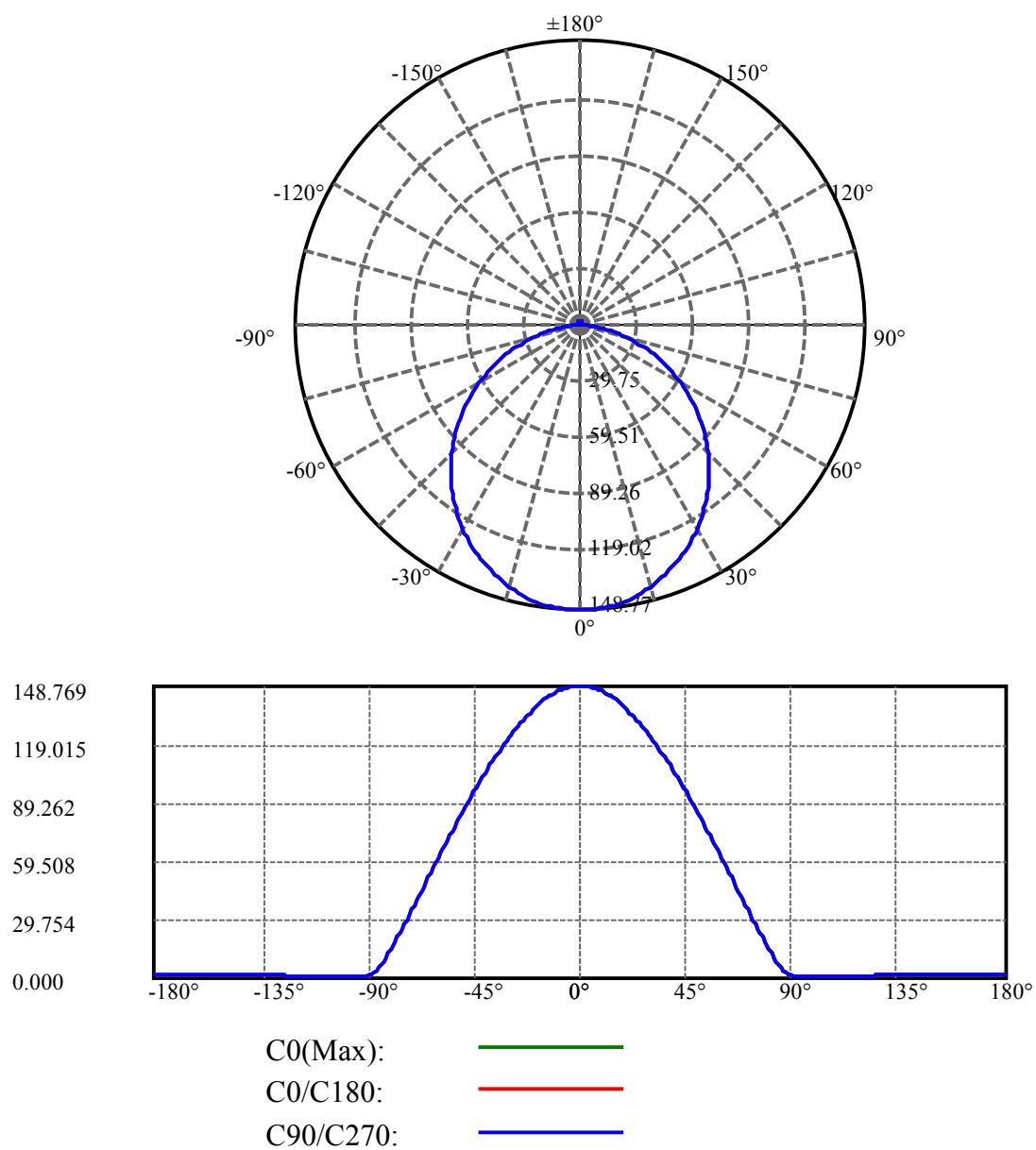
Beam angle of C0 plane : 108.46

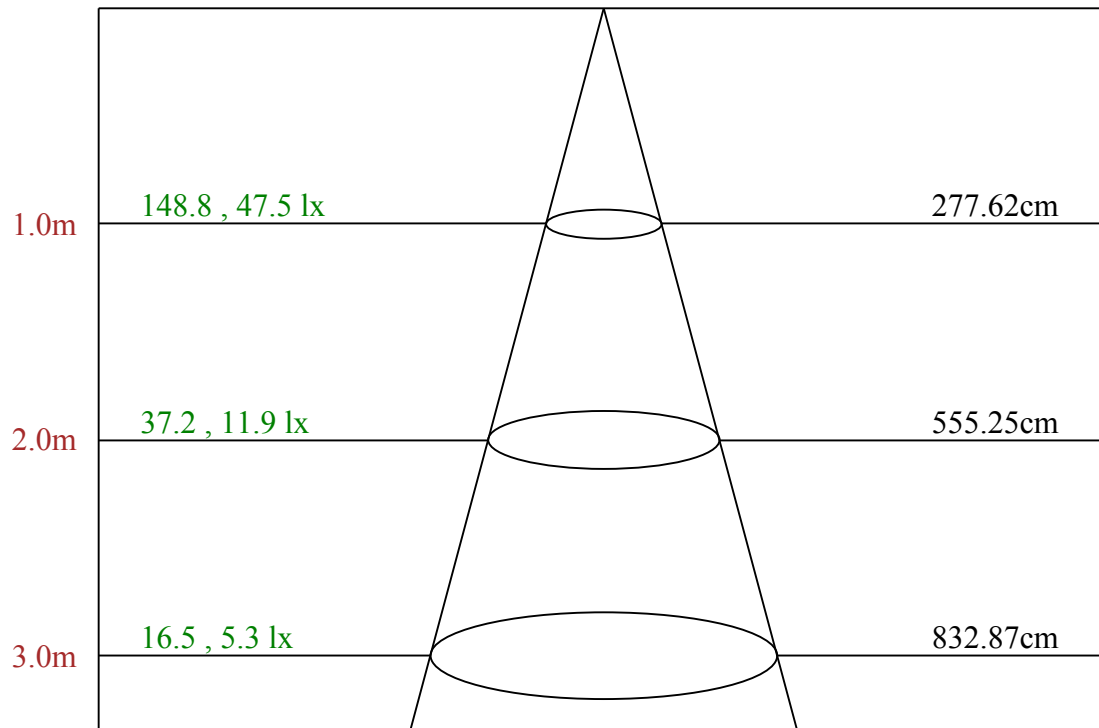
Aveage BeamAngle(IEC 61341):108.46

Equipment: equipamento lumini
Temperature(°C): 27.5

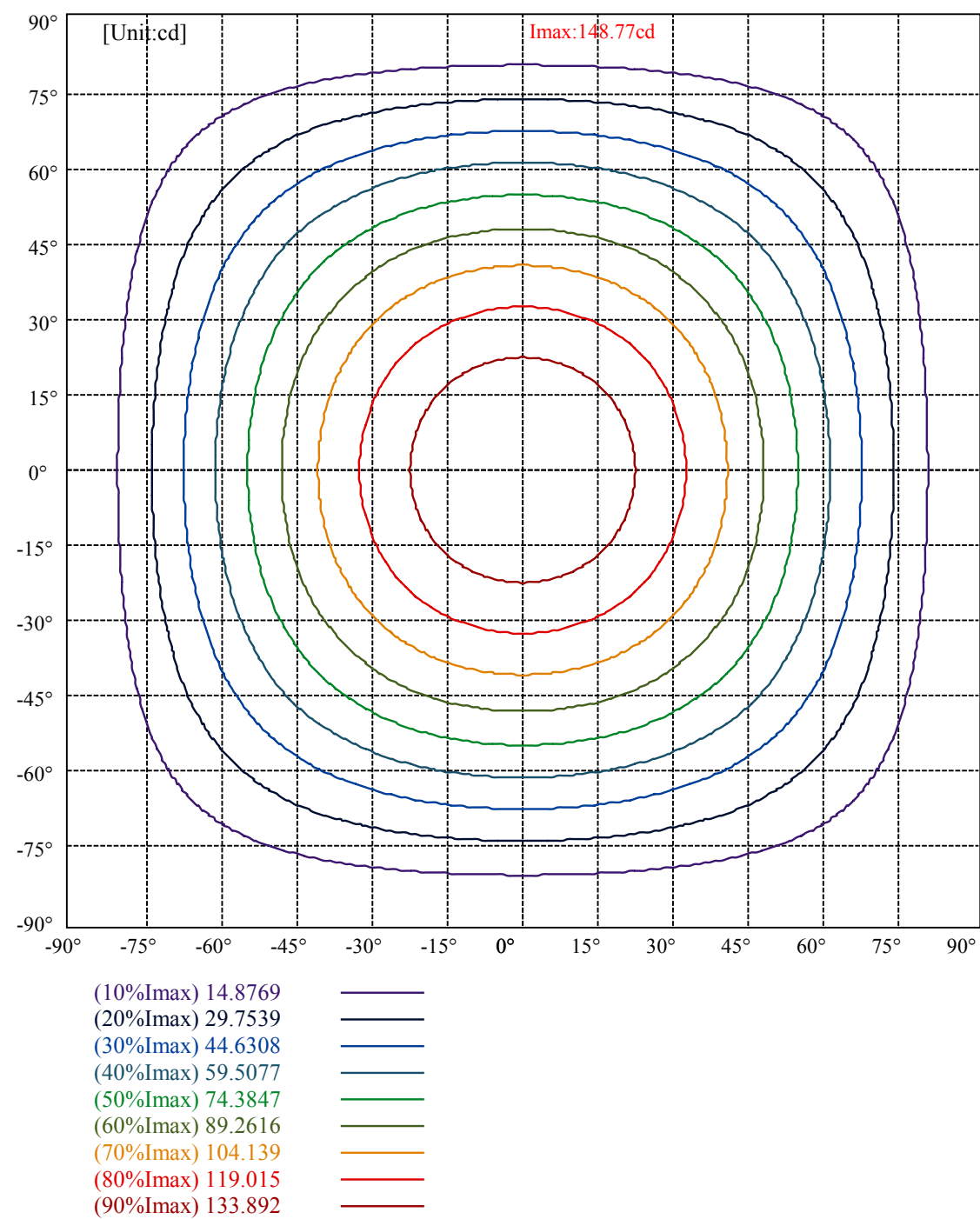
Date: 23/01/2025
Humidity(%): 45.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 108.46



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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	12758	12446	12061	11606	11011	10318	9311	7951	5989
C45	12758	12446	12061	11606	11011	10318	9311	7951	5989
C90	12758	12446	12061	11606	11011	10318	9311	7951	5989

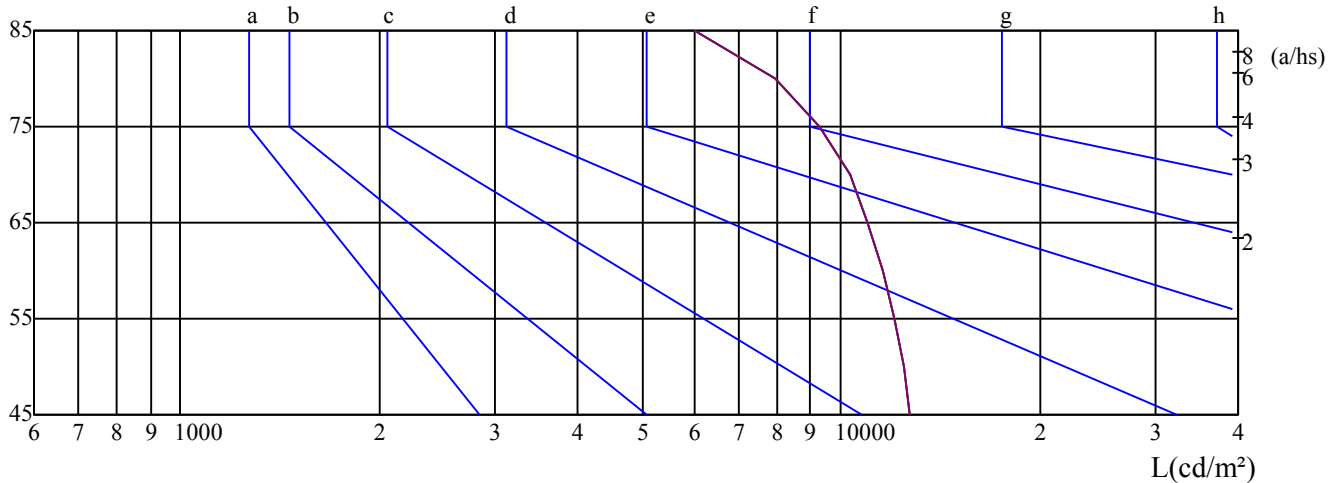
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
11011	11011	11011	9311	9311	9311	5989	5989	5989

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($^{\circ}\text{C}$): 27.5

Date: 23/01/2025
Humidity(%): 45.0%

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	21.25	22.83	21.64	23.19	23.56	21.52	23.10	21.91	23.46	23.83
	3H	22.93	24.36	23.34	24.74	25.13	23.27	24.70	23.68	25.08	25.47
	4H	23.55	24.90	23.98	25.29	25.70	23.93	25.28	24.36	25.67	26.08
	6H	24.04	25.29	24.48	25.70	26.14	24.45	25.70	24.89	26.11	26.55
	8H	24.18	25.39	24.62	25.80	26.25	24.60	25.81	25.05	26.22	26.67
	12H	24.25	25.41	24.70	25.84	26.29	24.68	25.84	25.13	26.27	26.72
4H	2H	22.03	23.37	22.46	23.77	24.18	22.24	23.58	22.66	23.97	24.39
	3H	23.86	25.00	24.31	25.43	25.89	24.13	25.28	24.58	25.70	26.16
	4H	24.65	25.67	25.12	26.12	26.61	24.97	25.99	25.44	26.44	26.93
	6H	25.23	26.13	25.72	26.61	27.10	25.58	26.48	26.07	26.96	27.45
	8H	25.44	26.29	25.94	26.77	27.28	25.81	26.65	26.31	27.14	27.64
	12H	25.58	26.36	26.09	26.84	27.39	25.96	26.74	26.46	27.22	27.77
8H	4H	24.98	25.82	25.48	26.31	26.82	25.26	26.10	25.76	26.59	27.10
	6H	25.70	26.41	26.23	26.91	27.46	26.01	26.72	26.53	27.22	27.77
	8H	26.05	26.67	26.59	27.21	27.74	26.37	26.99	26.92	27.53	28.07
	12H	26.25	26.77	26.80	27.32	27.87	26.59	27.11	27.14	27.66	28.21
12H	4H	25.02	25.81	25.53	26.28	26.83	25.29	26.08	25.80	26.55	27.10
	6H	25.84	26.46	26.38	27.00	27.53	26.13	26.75	26.68	27.30	27.83
	8H	26.18	26.70	26.73	27.25	27.80	26.49	27.01	27.04	27.56	28.11
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.3/-0.6				
S = 1.5H		0.6/-0.6					0.6/-0.6				
S = 2.0H		0.8/-0.8					0.8/-0.8				
Standard tables:		BK3					BK3				
Uncorrected UGR		6.6					6.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25