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LumCAT:

Luminaire: led line perfil 24V c lp 4.5W

LampCAT: modulo led 9W/m 24Vdc 30K irc 90

Ballast type: led line driver 24V

Report No:

Voltage(V): 127.8400

Test No:

Current(A): 0.0850

Number of Lamps: 1

Power (W): 5.6870

Lamp flux(lm): 455.0

PF: 0.5220

Length(mm): 500

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 242.47, Efficiency(%): 53.29% , Luminous Efficacy(lm/W): 42.64

Central intensity(cd): 77.331, Maximum intensity(cd): 77.342

Angle of maximum intensity: $C=0.0$ $\gamma=1.0$

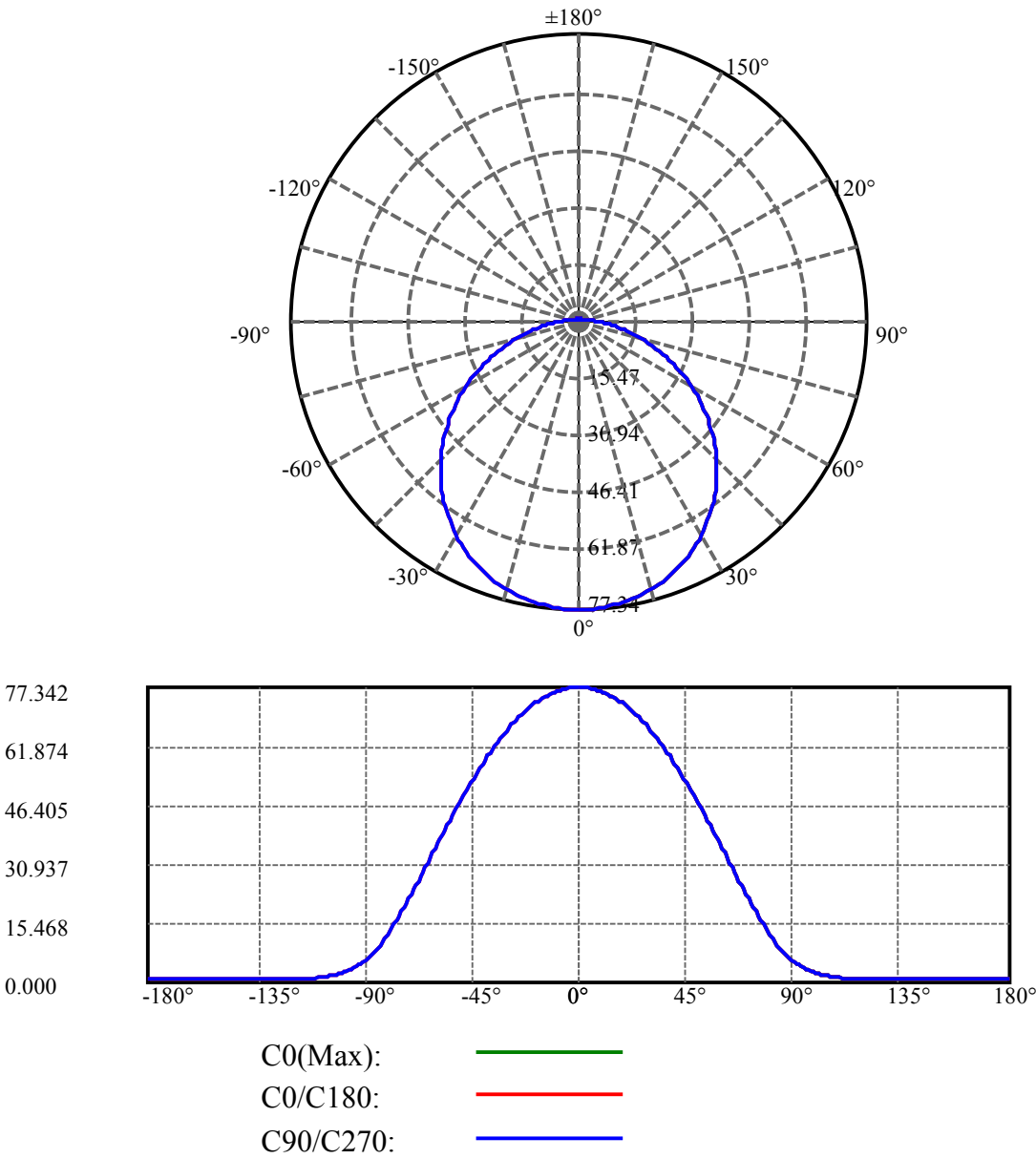
Beam angle of C0 plane : 114.30

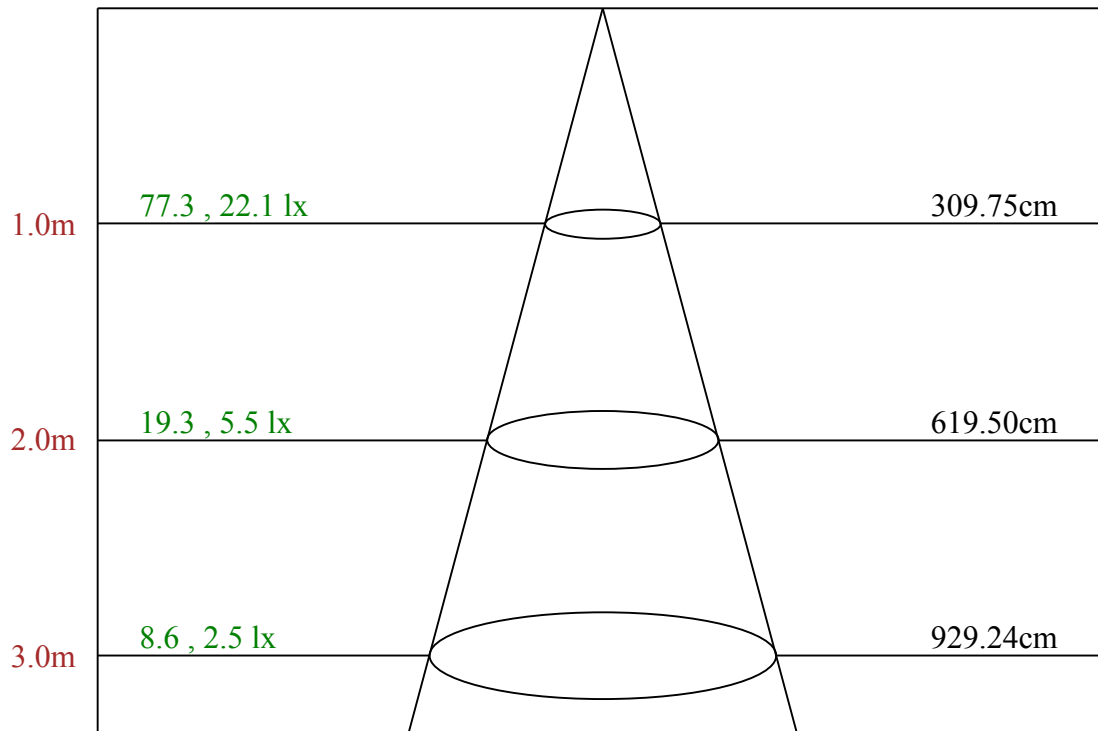
Average BeamAngle(IEC 61341): 114.30

Equipment: equipamento lumini
Temperature(°C): 29.3

Date: 24/04/2025
Humidity(%): 51.0%

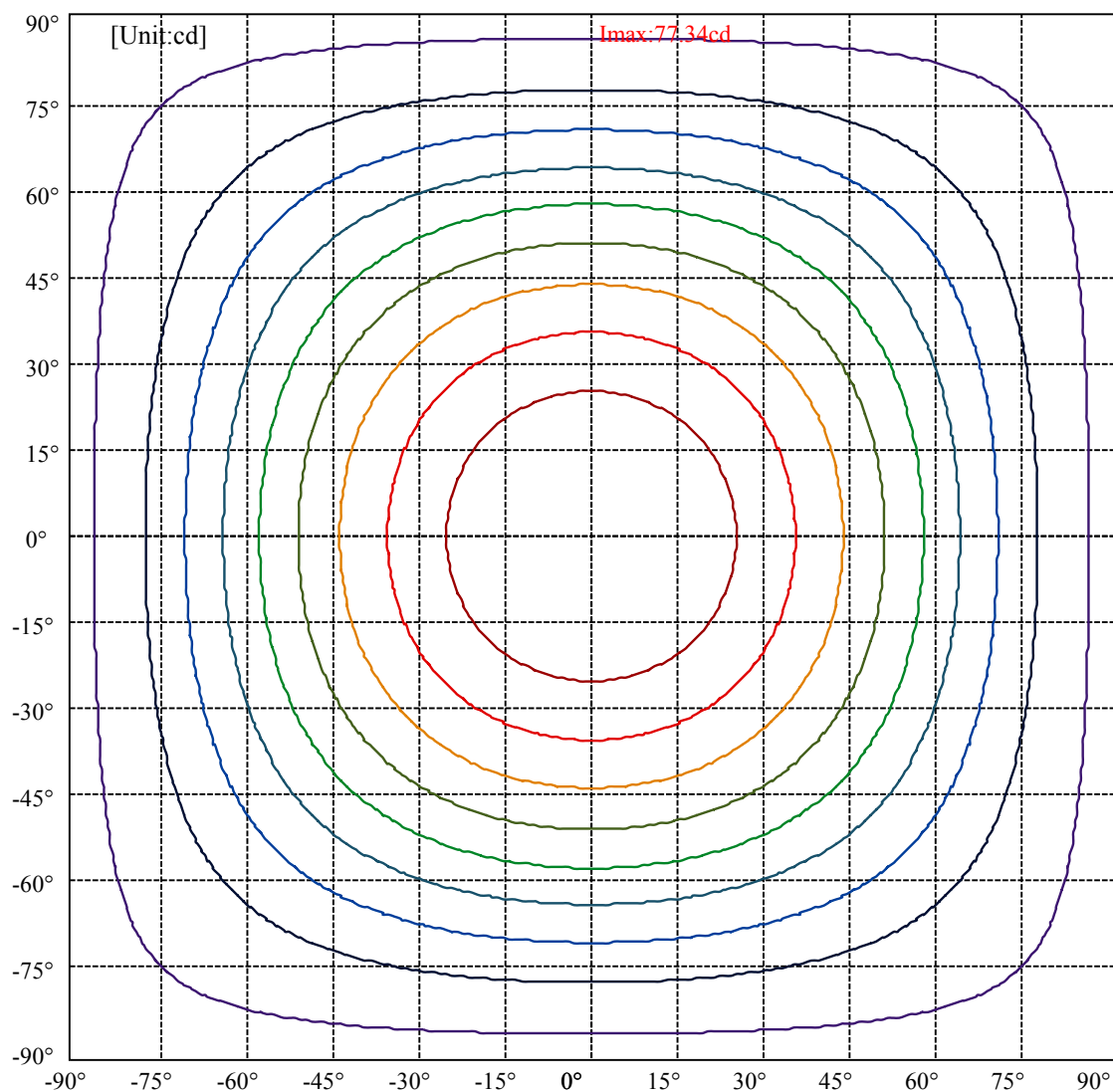
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 114.30



(10%Imax) 7.73424	—
(20%Imax) 15.4685	—
(30%Imax) 23.2027	—
(40%Imax) 30.937	—
(50%Imax) 38.6712	—
(60%Imax) 46.4055	—
(70%Imax) 54.1397	—
(80%Imax) 61.874	—
(90%Imax) 69.6082	—

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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	9267	9132	8970	8814	8583	8467	8378	8868	11753
C45	9267	9132	8970	8814	8583	8467	8378	8868	11753
C90	9267	9132	8970	8814	8583	8467	8378	8868	11753

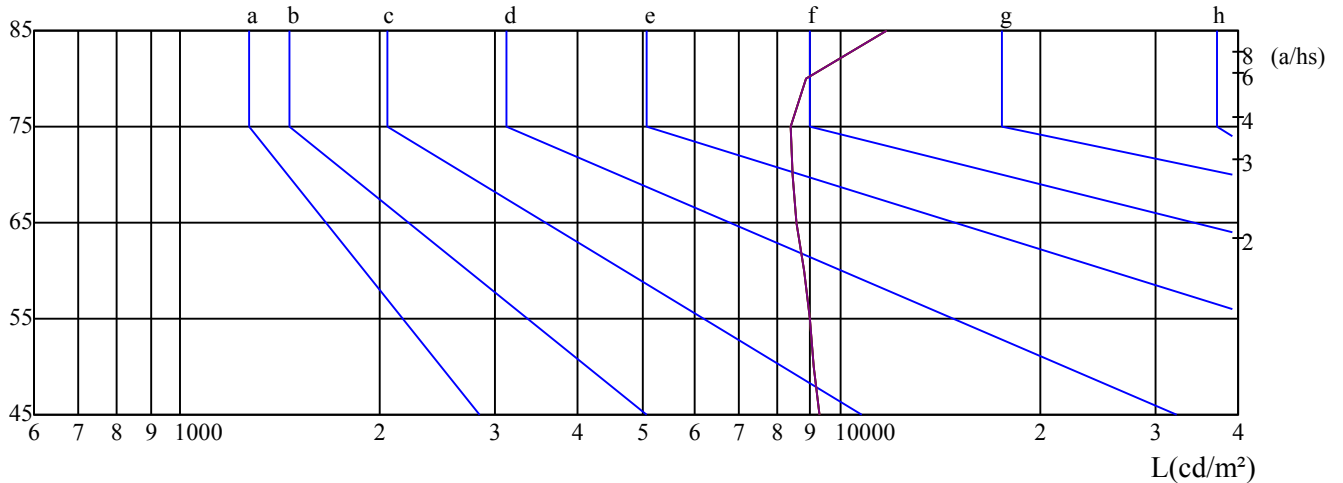
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
8583	8583	8583	8378	8378	8378	11753	11753	11753

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

$\gamma(^{\circ})$



Equipment: equipamento lumini
Temperature($^{\circ}\text{C}$): 29.3

Date: 24/04/2025
Humidity(%): 51.0%

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	20.26	21.83	20.68	22.23	22.65	20.16	21.74	20.58	22.14	22.55
	3H	22.26	23.70	22.71	24.12	24.56	21.95	23.39	22.40	23.81	24.25
	4H	23.19	24.55	23.65	24.98	25.43	22.64	24.00	23.10	24.43	24.89
	6H	24.16	25.43	24.63	25.87	26.36	23.18	24.45	23.65	24.89	25.38
	8H	24.64	25.86	25.11	26.32	26.81	23.33	24.55	23.80	25.00	25.50
	12H	25.17	26.35	25.65	26.81	27.31	23.41	24.59	23.89	25.05	25.55
4H	2H	21.05	22.40	21.50	22.83	23.29	20.97	22.33	21.43	22.76	23.22
	3H	23.22	24.39	23.70	24.85	25.35	22.94	24.11	23.42	24.57	25.07
	4H	24.35	25.39	24.84	25.87	26.40	23.83	24.87	24.32	25.36	25.89
	6H	25.44	26.37	25.96	26.88	27.41	24.48	25.41	25.00	25.92	26.46
	8H	26.04	26.91	26.57	27.43	27.98	24.72	25.60	25.25	26.11	26.66
	12H	26.69	27.51	27.23	28.02	28.61	24.88	25.70	25.42	26.21	26.80
8H	4H	24.73	25.60	25.26	26.12	26.67	24.28	25.16	24.81	25.67	26.22
	6H	26.02	26.77	26.57	27.30	27.88	25.13	25.88	25.68	26.41	26.99
	8H	26.82	27.47	27.38	28.04	28.62	25.55	26.20	26.12	26.77	27.35
	12H	27.66	28.21	28.23	28.79	29.38	25.83	26.38	26.40	26.96	27.55
12H	4H	24.78	25.60	25.32	26.11	26.70	24.37	25.19	24.91	25.70	26.29
	6H	26.19	26.85	26.76	27.42	27.99	25.37	26.02	25.93	26.59	27.17
	8H	27.02	27.58	27.59	28.15	28.74	25.82	26.38	26.40	26.95	27.54
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.7					0.2/-0.7				
S = 1.5H		0.5/-0.6					0.5/-0.6				
S = 2.0H		0.5/-0.7					0.5/-0.7				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		9.8					9.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25