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LumCAT:

Luminaire: led line perfil 24V c lp 12W

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

Ballast type: led line driver 24V

Report No:

Voltage(V): 127.7300

Test No:

Current(A): 0.1350

Number of Lamps: 1

Power (W): 14.8300

Lamp flux(lm): 1078.0

PF: 0.8580

Length(mm): 500

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 685.48, Efficiency(%): 63.59% , Luminous Efficacy(lm/W): 46.22

Central intensity(cd): 218.625, Maximum intensity(cd): 218.625

Angle of maximum intensity: C=0.0 γ =0.0

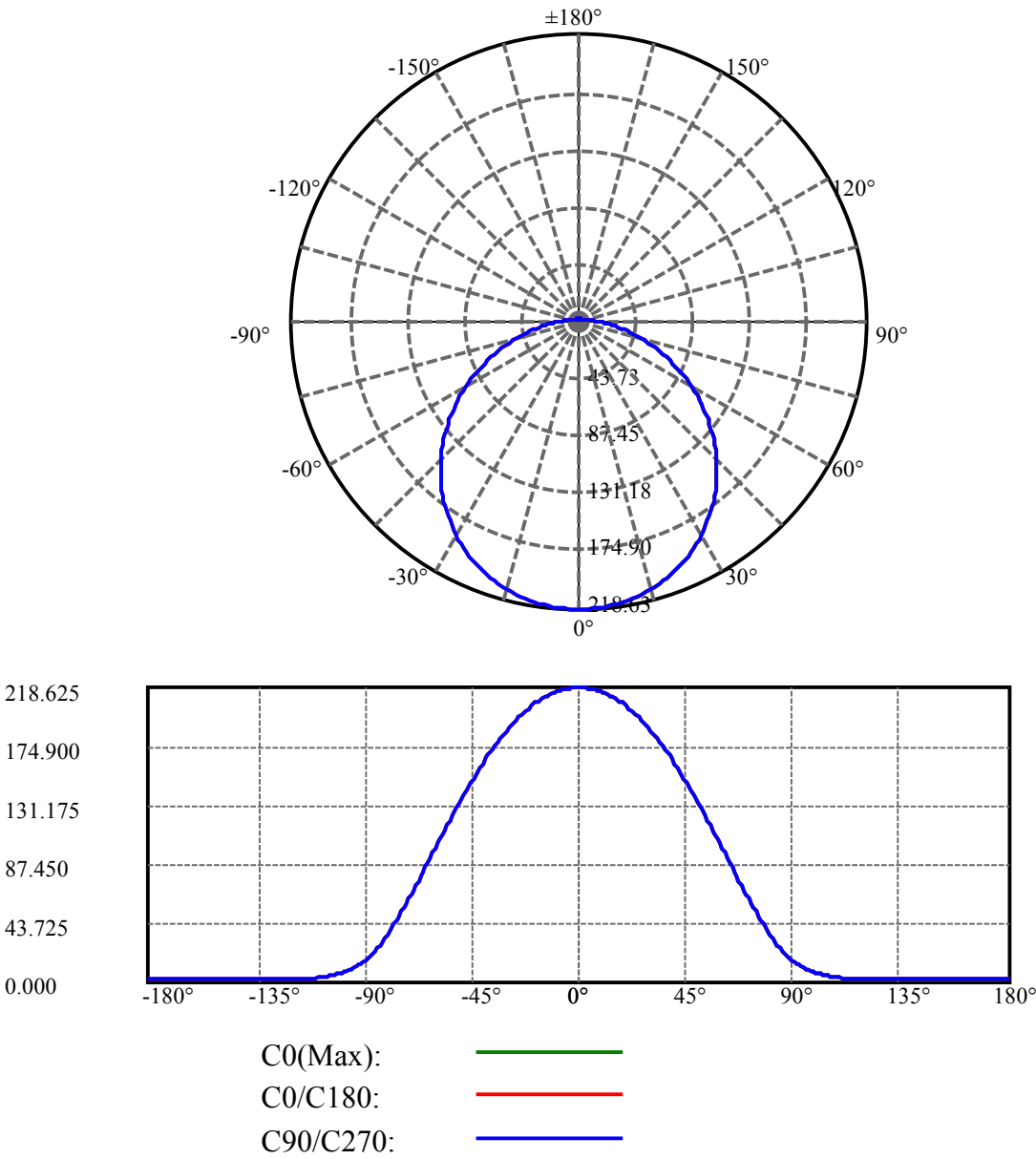
Beam angle of C0 plane : 114.16

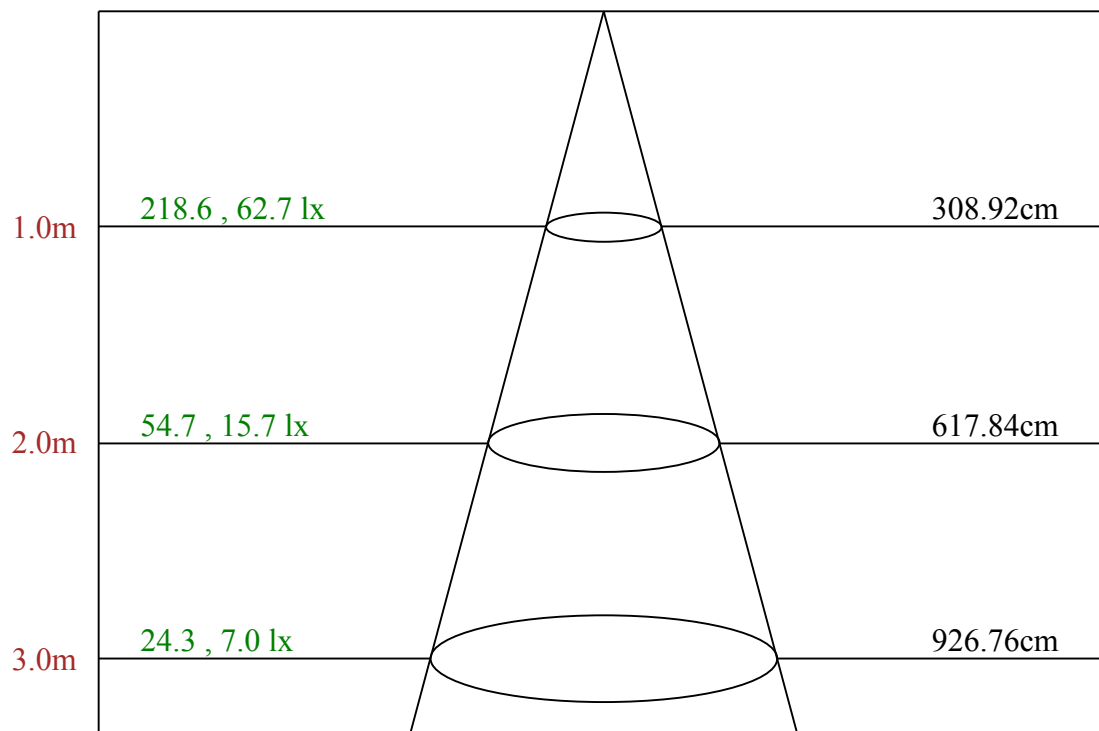
Average BeamAngle(IEC 61341): 114.16

Equipment: equipamento lumini
Temperature(°C): 25.5

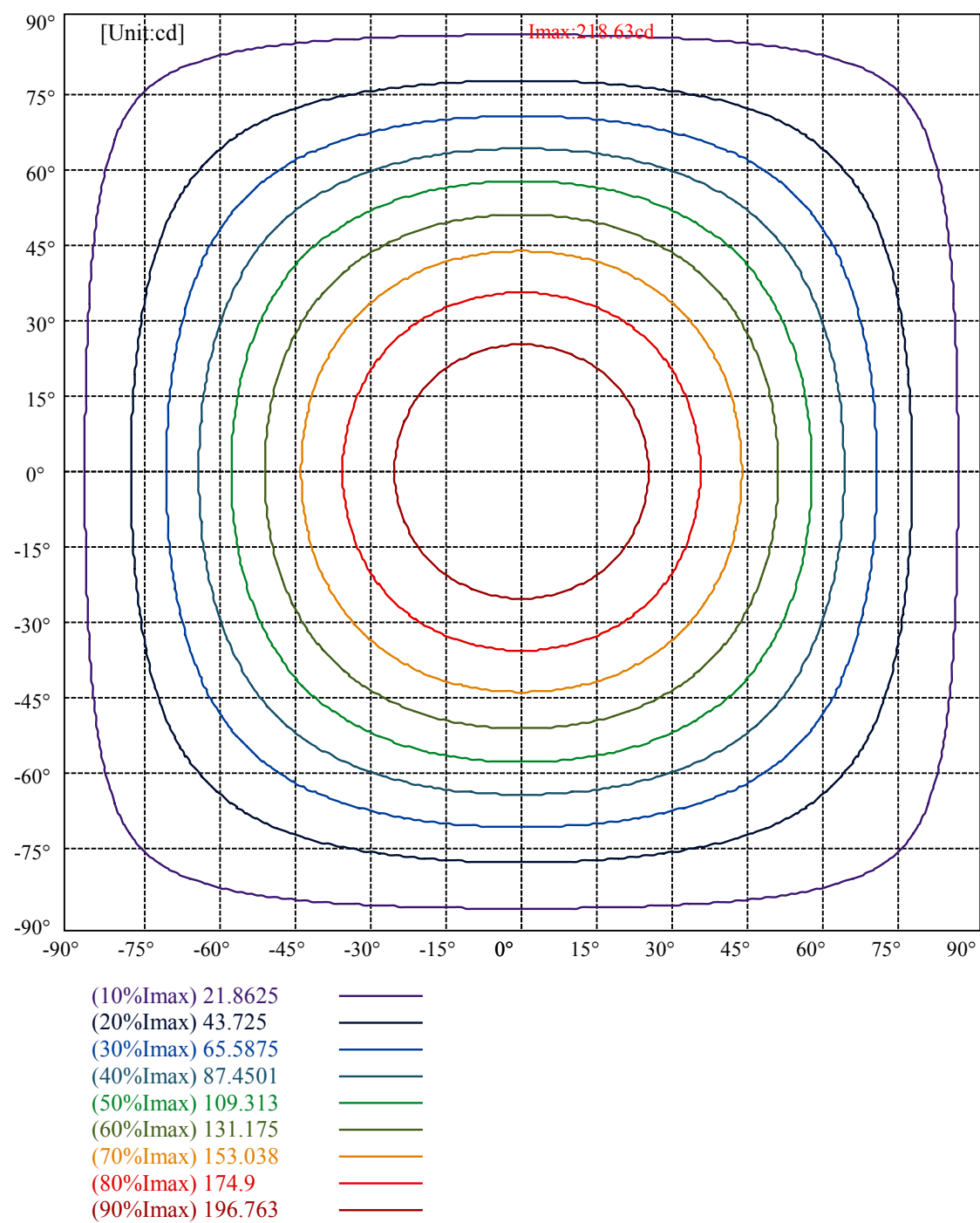
Date: 29/04/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 114.16



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Luminance Limiting Curve(no luminous side)

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Luminance Table

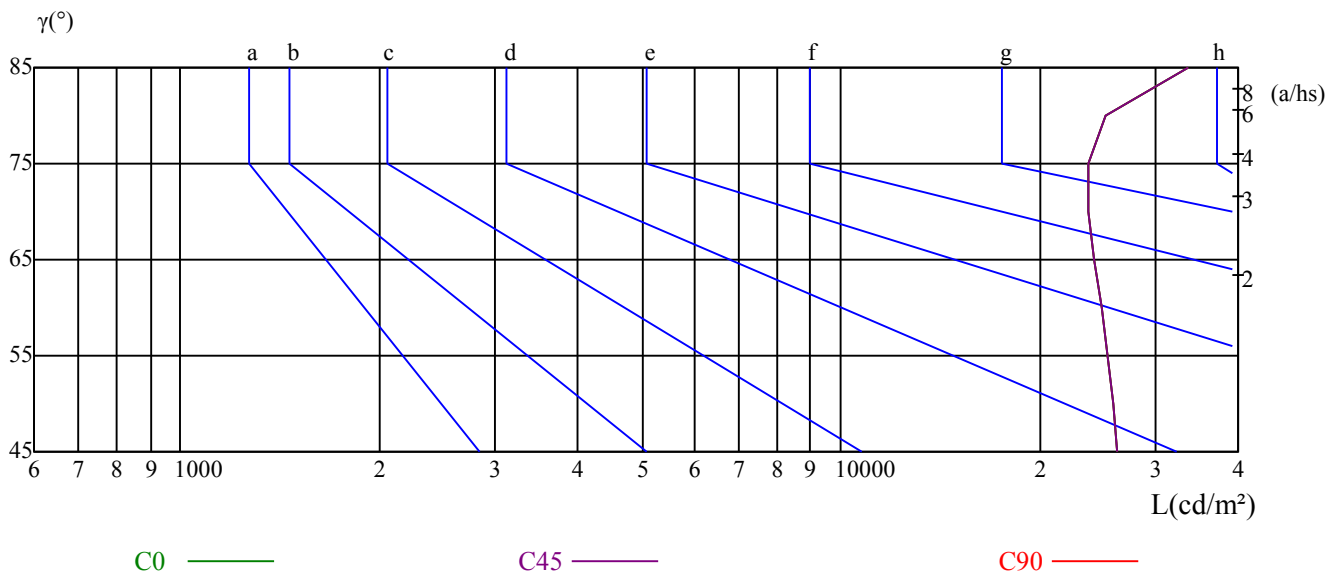
γ	45	50	55	60	65	70	75	80	85
C0	26216	25814	25306	24830	24212	23764	23735	25151	33518
C45	26216	25814	25306	24830	24212	23764	23735	25151	33518
C90	26216	25814	25306	24830	24212	23764	23735	25151	33518

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
24212	24212	24212	23735	23735	23735	33518	33518	33518

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



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

Date: 29/04/2025
Humidity(%): 64.0%

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	23.79	25.37	24.21	25.77	26.18	23.84	25.41	24.26	25.81	26.23
	3H	25.76	27.20	26.21	27.62	28.06	25.67	27.11	26.12	27.53	27.97
	4H	26.68	28.03	27.13	28.46	28.92	26.39	27.75	26.85	28.18	28.64
	6H	27.63	28.89	28.09	29.34	29.82	26.96	28.23	27.43	28.67	29.16
	8H	28.09	29.32	28.56	29.77	30.26	27.13	28.36	27.60	28.81	29.30
	12H	28.61	29.79	29.09	30.25	30.75	27.25	28.42	27.73	28.89	29.39
4H	2H	24.60	25.96	25.05	26.39	26.84	24.63	25.99	25.09	26.42	26.88
	3H	26.74	27.91	27.22	28.37	28.87	26.64	27.81	27.12	28.27	28.77
	4H	27.85	28.89	28.34	29.38	29.91	27.56	28.60	28.05	29.08	29.61
	6H	28.92	29.86	29.44	30.37	30.90	28.24	29.18	28.76	29.69	30.22
	8H	29.50	30.38	30.03	30.90	31.44	28.51	29.39	29.04	29.90	30.45
	12H	30.15	30.97	30.68	31.48	32.06	28.71	29.53	29.25	30.04	30.63
8H	4H	28.25	29.13	28.78	29.64	30.19	27.99	28.87	28.52	29.38	29.93
	6H	29.53	30.27	30.08	30.80	31.39	28.89	29.63	29.43	30.16	30.74
	8H	30.31	30.96	30.87	31.53	32.10	29.33	29.98	29.90	30.55	31.13
	12H	31.13	31.69	31.71	32.26	32.86	29.66	30.21	30.23	30.79	31.38
12H	4H	28.31	29.13	28.84	29.63	30.22	28.08	28.90	28.62	29.41	29.99
	6H	29.71	30.36	30.27	30.93	31.51	29.11	29.76	29.68	30.33	30.91
	8H	30.51	31.07	31.09	31.65	32.24	29.59	30.15	30.17	30.72	31.32
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		13.4					13.4				

依据CIE Publ. 117 计算 UGR, S/H = 0.25