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LumCAT:

Luminaire: led line perfil 12V ww e lp 7.5W

LampCAT: modulo led line 15W/m 12Vdc 30K irc 90 ip65

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.7500

Test No:

Current(A): 0.1090

Number of Lamps: 1

Power (W): 12.9070

Lamp flux(lm): 672.0

PF: 0.9260

Length(mm): 500

Width(mm): 30

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 363.30, Efficiency(%): 54.06% , Luminous Efficacy(lm/W): 28.15

Central intensity(cd): 117.930, Maximum intensity(cd): 132.499

Angle of maximum intensity: C=180.0 γ =25.0

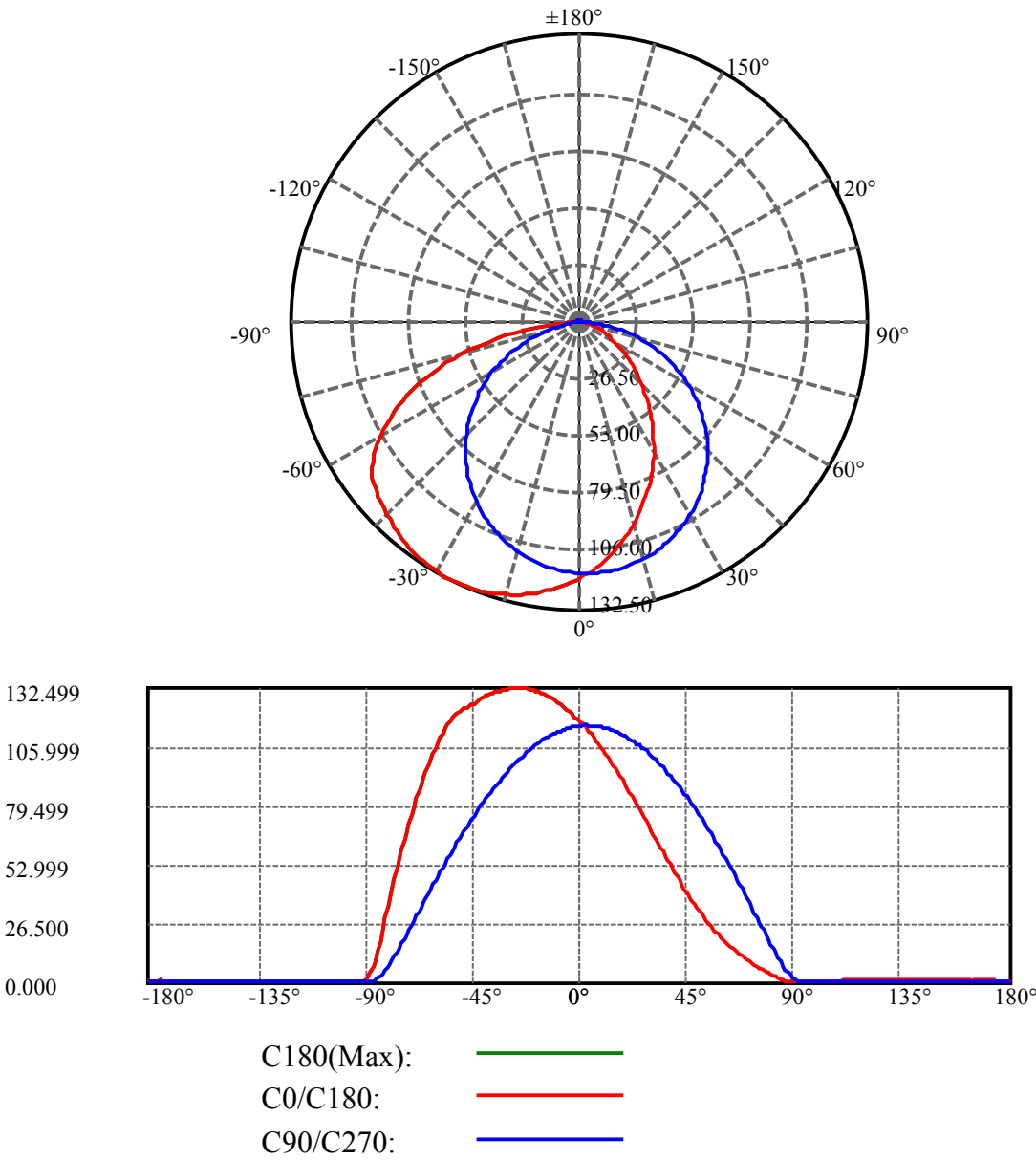
Beam angle of C180 plane : 103.50

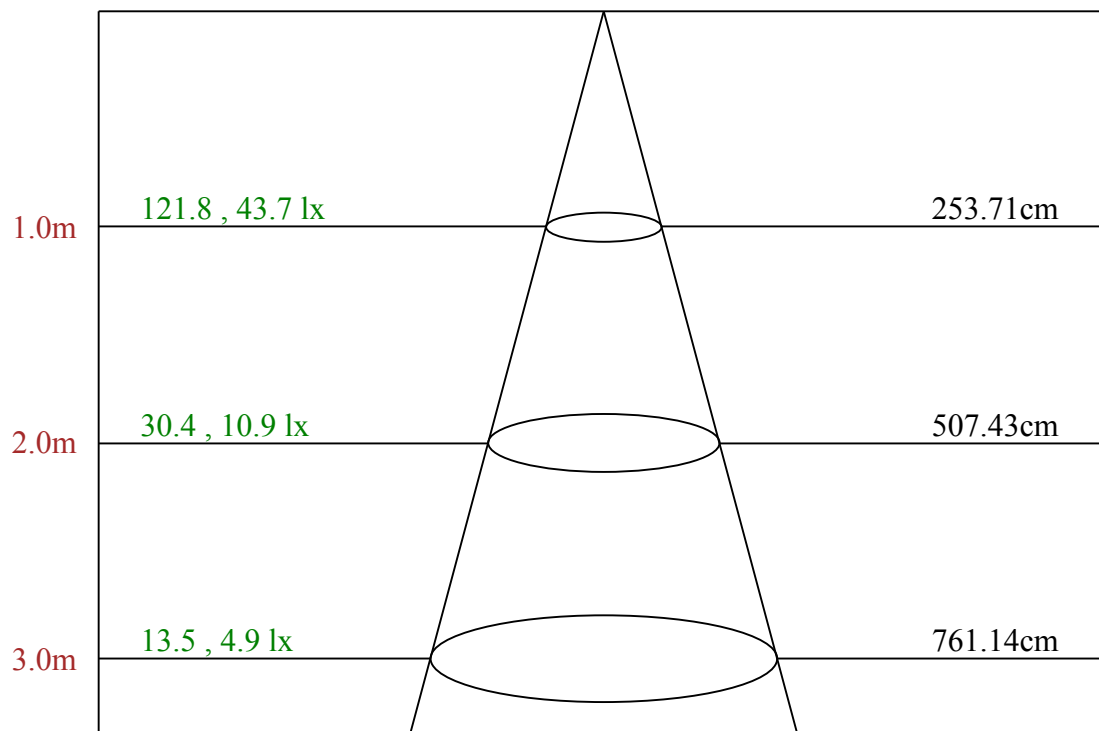
Average BeamAngle(IEC 61341): 114.05

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 06/05/2025
Humidity(%): 64.0%

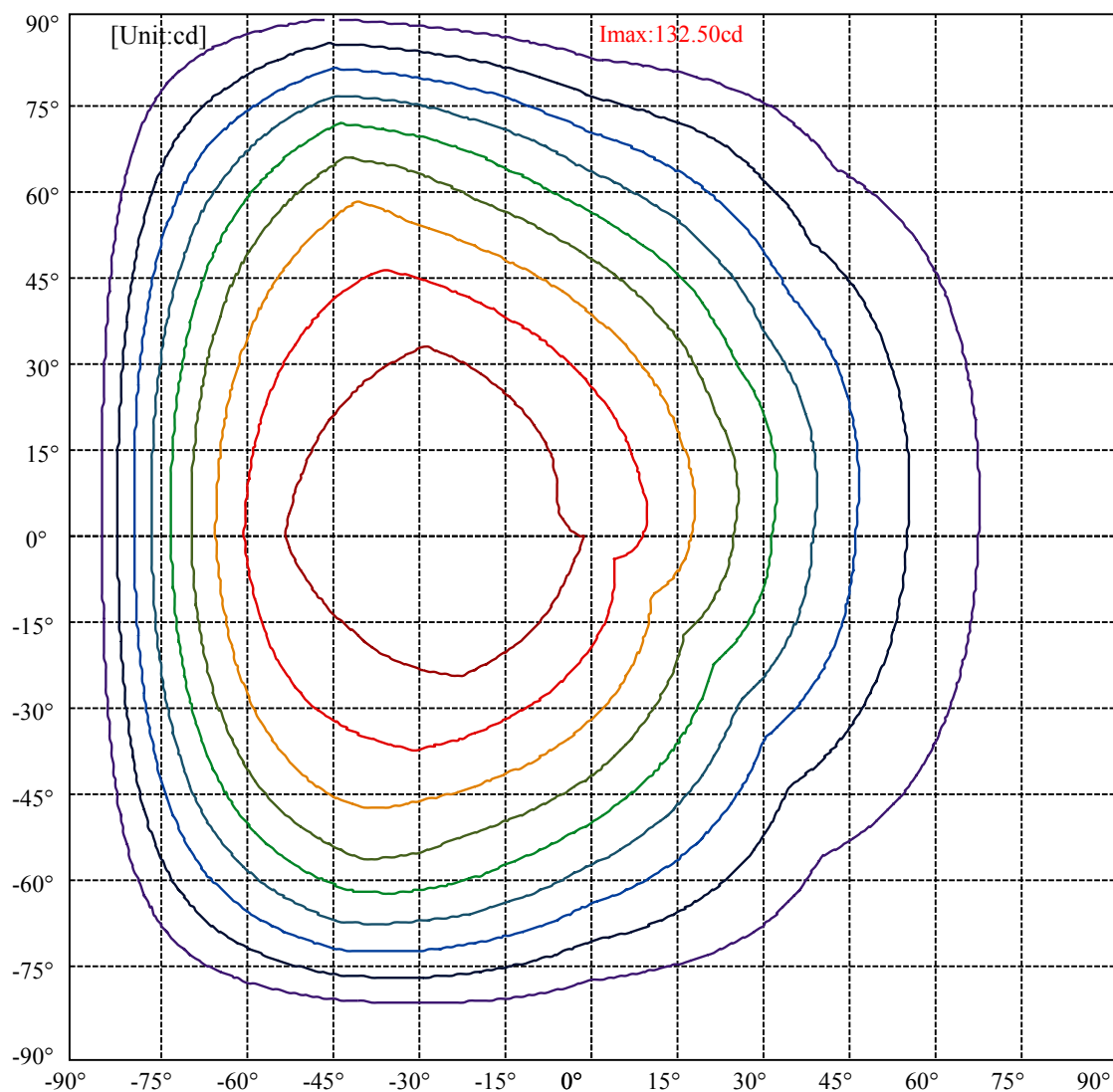
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C180 plane 103.50



(10%Imax) 13.2499	—
(20%Imax) 26.4997	—
(30%Imax) 39.7496	—
(40%Imax) 52.9995	—
(50%Imax) 66.2493	—
(60%Imax) 79.4992	—
(70%Imax) 92.749	—
(80%Imax) 105.999	—
(90%Imax) 119.249	—

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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	3824	3382	2977	2596	2306	2023	1766	1554	1093
C45	4956	4508	3979	3504	3027	2701	2367	2120	2039
C90	7887	7876	7836	7726	7630	7461	7101	6745	5900

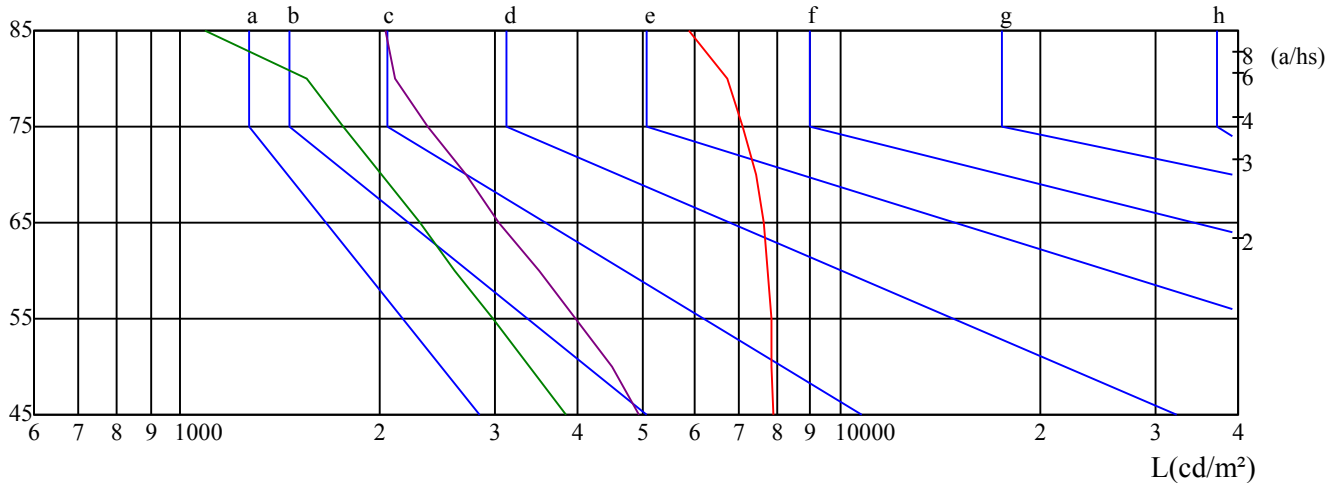
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
8397	6662	7974	8088	5598	8339	4461	3533	7875

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($^{\circ}$ C): 25.5

Date: 06/05/2025
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	13.99	15.64	14.37	15.99	16.34	18.11	19.76	18.50	20.11	20.46
	3H	14.94	16.45	15.35	16.82	17.19	20.15	21.65	20.55	22.02	22.40
	4H	15.27	16.68	15.68	17.07	17.46	20.97	22.38	21.38	22.77	23.16
	6H	15.53	16.85	15.96	17.25	17.67	21.66	22.98	22.09	23.38	23.81
	8H	15.58	16.86	16.01	17.26	17.69	21.90	23.17	22.33	23.58	24.01
	12H	15.59	16.82	16.03	17.23	17.67	22.05	23.28	22.49	23.69	24.14
4H	2H	14.85	16.27	15.27	16.65	17.05	18.27	19.69	18.69	20.07	20.47
	3H	15.91	17.13	16.35	17.54	17.99	20.45	21.67	20.89	22.08	22.53
	4H	16.38	17.46	16.83	17.91	18.38	21.46	22.54	21.91	22.99	23.46
	6H	16.69	17.66	17.17	18.13	18.61	22.28	23.25	22.76	23.72	24.19
	8H	16.80	17.71	17.30	18.18	18.68	22.62	23.53	23.11	24.00	24.50
	12H	16.87	17.71	17.36	18.18	18.71	22.88	23.72	23.37	24.19	24.72
8H	4H	16.80	17.72	17.30	18.19	18.68	21.47	22.38	21.96	22.85	23.34
	6H	17.22	17.98	17.73	18.47	19.00	22.38	23.15	22.89	23.64	24.17
	8H	17.44	18.11	17.97	18.64	19.16	22.86	23.53	23.39	24.06	24.58
	12H	17.54	18.11	18.08	18.65	19.19	23.20	23.77	23.74	24.30	24.84
12H	4H	16.91	17.76	17.41	18.23	18.76	21.45	22.30	21.95	22.76	23.30
	6H	17.41	18.08	17.94	18.61	19.13	22.42	23.09	22.95	23.62	24.14
	8H	17.61	18.18	18.15	18.72	19.26	22.87	23.44	23.41	23.98	24.51
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.7					0.3/-0.7				
S = 1.5H		0.7/-0.6					0.7/-1.3				
S = 2.0H		1.1/-0.8					1.7/-1.7				
Standard tables:		BKBF					BK4				
Uncorrected UGR		7.7					-0.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25