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LumCAT:

Luminaire: led line perfil 12V 30 c lp 7.5W

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): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 534.72, Efficiency(%): 75.63% , Luminous Efficacy(lm/W): 41.46

Central intensity(cd): 329.771, Maximum intensity(cd): 330.979

Angle of maximum intensity: C=0.0 γ =7.0

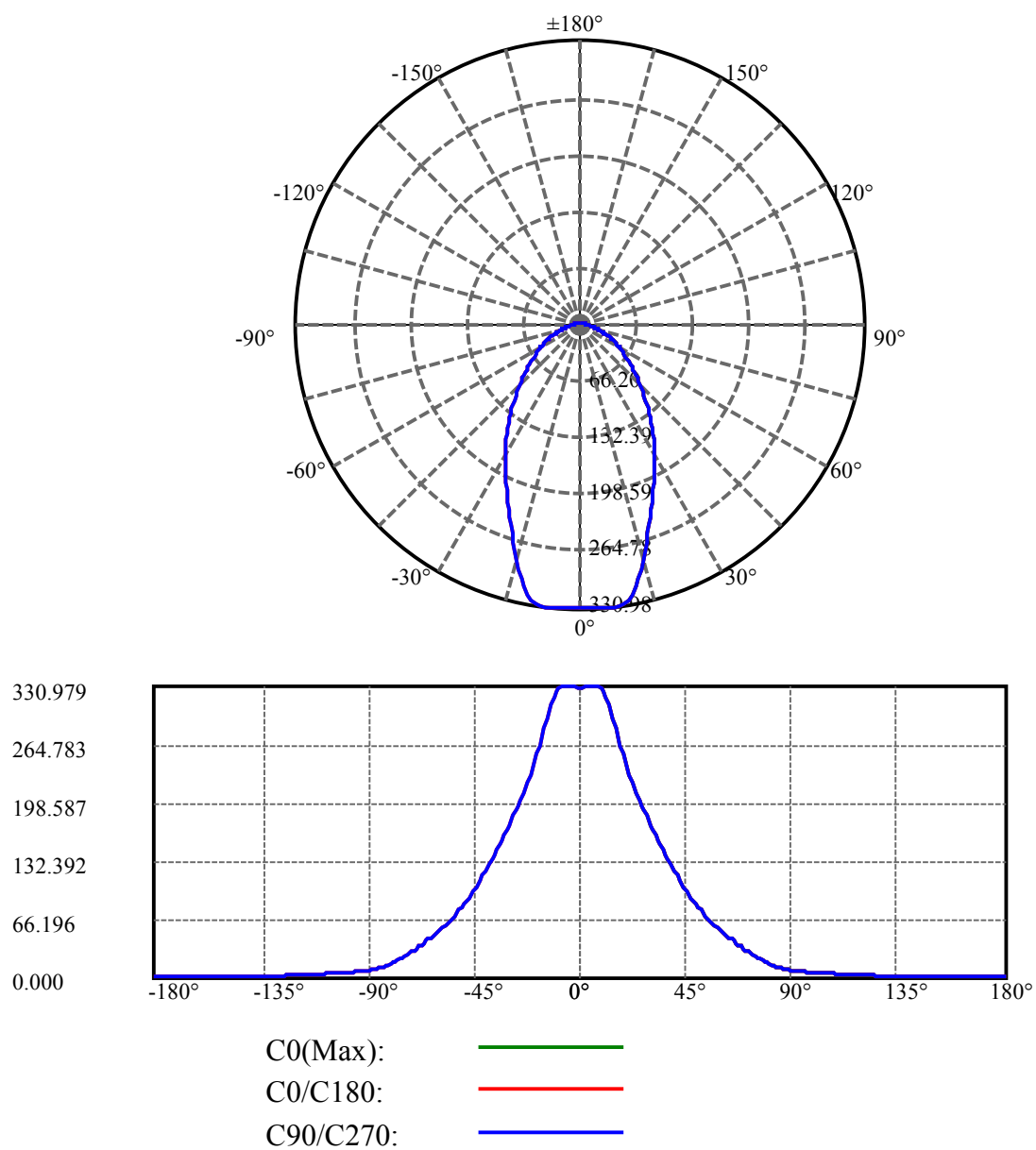
Beam angle of C0 plane : 63.23

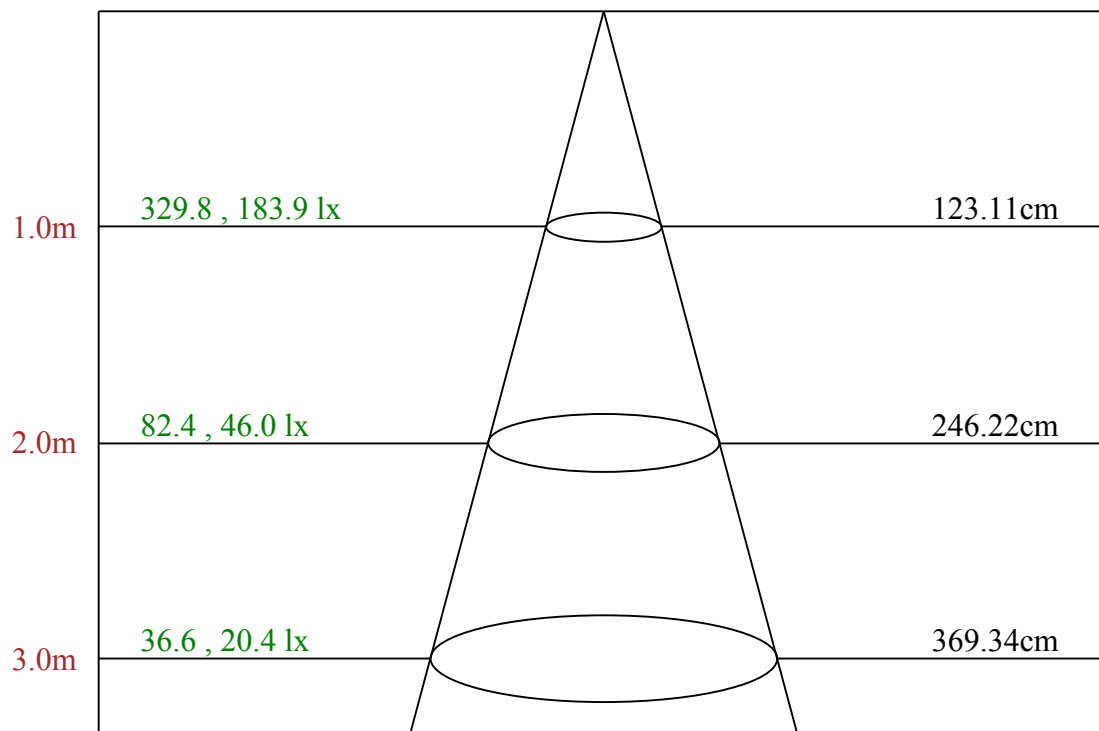
Aveage BeamAngle(IEC 61341):63.23

Equipment: equipamento lumini
Temperature(°C): 25.9

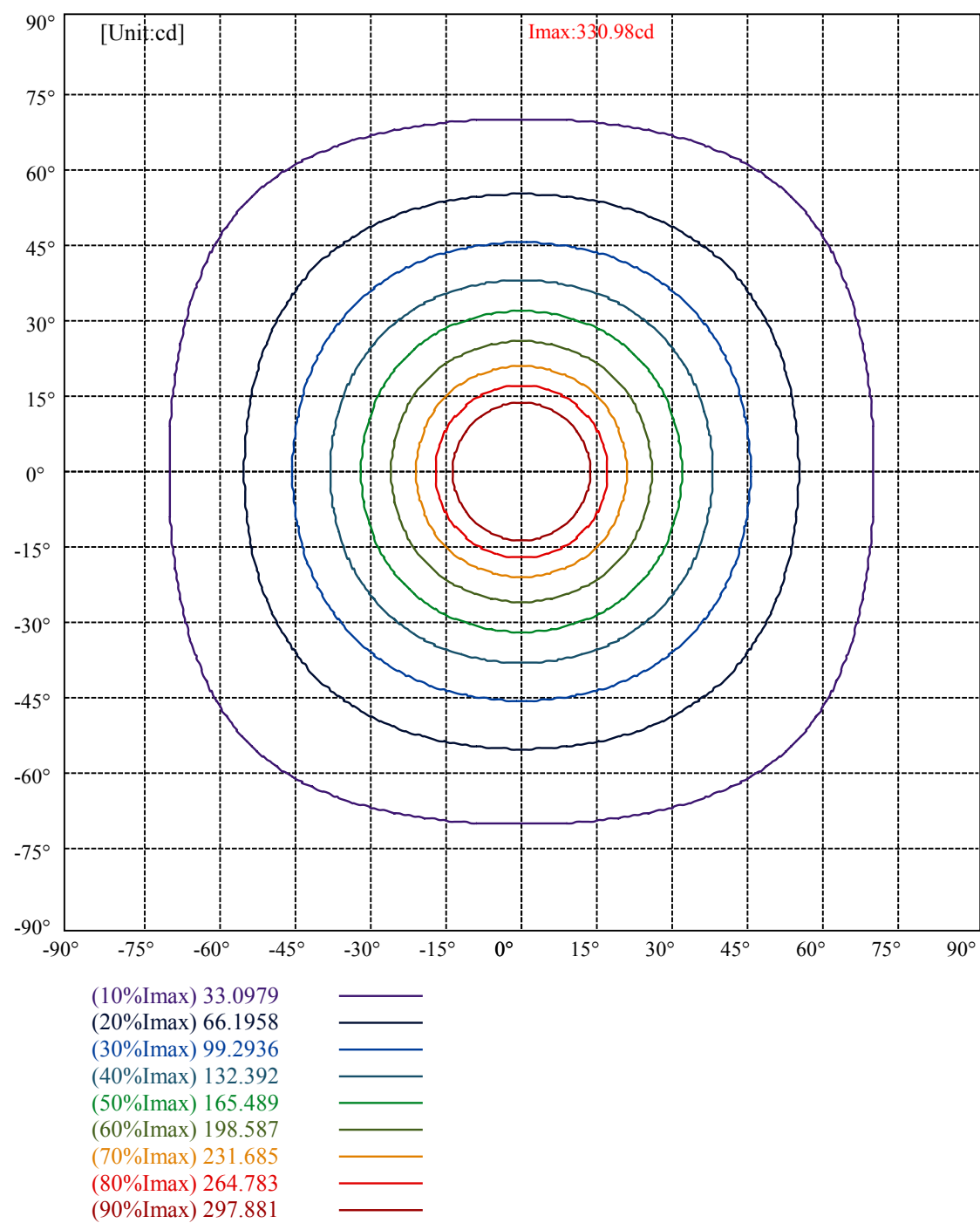
Date: 24/01/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 63.23



Luminance Table

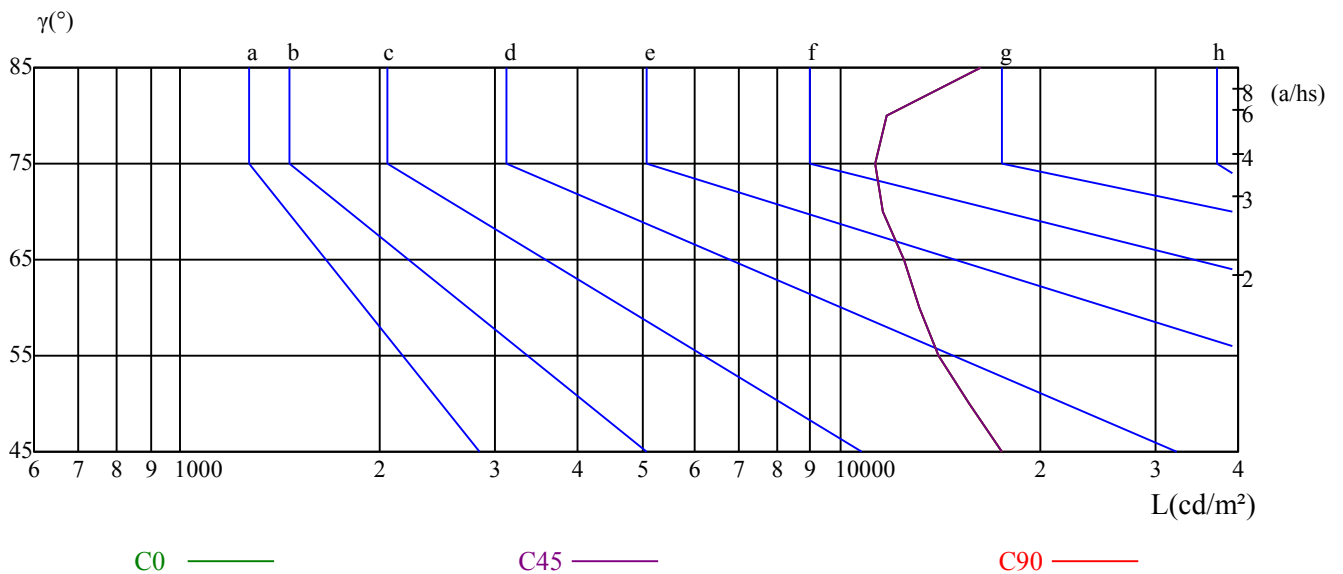
γ	45	50	55	60	65	70	75	80	85
C0	17559	15630	14079	13117	12485	11582	11278	11708	16328
C45	17559	15630	14079	13117	12485	11582	11278	11708	16328
C90	17559	15630	14079	13117	12485	11582	11278	11708	16328

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
12485	12485	12485	11278	11278	11278	16328	16328	16328

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



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	19.19	20.57	19.63	20.99	21.42	22.65	24.03	23.09	24.44	24.88
	3H	21.02	22.27	21.48	22.70	23.16	23.79	25.04	24.25	25.47	25.93
	4H	21.69	22.86	22.16	23.30	23.78	24.19	25.36	24.66	25.80	26.28
	6H	22.42	23.51	22.91	23.97	24.48	24.47	25.56	24.96	26.02	26.53
	8H	22.80	23.84	23.29	24.31	24.83	24.52	25.56	25.01	26.03	26.55
	12H	23.24	24.25	23.74	24.73	25.25	24.53	25.53	25.02	26.01	26.53
4H	2H	20.01	21.18	20.48	21.63	22.11	22.82	23.99	23.30	24.44	24.92
	3H	21.94	22.93	22.43	23.41	23.93	24.16	25.16	24.66	25.63	26.16
	4H	22.82	23.70	23.33	24.20	24.76	24.76	25.64	25.27	26.14	26.70
	6H	23.69	24.48	24.23	25.01	25.56	25.16	25.94	25.70	26.47	27.03
	8H	24.18	24.91	24.73	25.45	26.02	25.29	26.02	25.84	26.55	27.13
	12H	24.75	25.44	25.31	25.96	26.58	25.37	26.05	25.92	26.58	27.19
8H	4H	23.26	24.00	23.81	24.53	25.10	24.95	25.69	25.50	26.22	26.79
	6H	24.35	24.97	24.92	25.52	26.13	25.52	26.13	26.08	26.68	27.29
	8H	25.03	25.57	25.62	26.16	26.76	25.79	26.33	26.38	26.92	27.51
	12H	25.79	26.24	26.38	26.83	27.44	25.96	26.41	26.56	27.00	27.62
12H	4H	23.32	24.01	23.88	24.53	25.15	24.99	25.67	25.54	26.20	26.81
	6H	24.55	25.08	25.14	25.67	26.27	25.66	26.20	26.25	26.79	27.38
	8H	25.27	25.72	25.87	26.32	26.93	25.96	26.41	26.55	27.00	27.62
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.5					0.2/-0.5				
S = 1.5H		0.7/-0.8					0.7/-0.8				
S = 2.0H		0.8/-0.9					0.8/-0.9				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		9.8					9.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25