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lumini

LumCAT:

Luminaire: e-cone w

LampCAT: modulo led 12W 27K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7800

Test No:

Current(A): 0.1410

Number of Lamps: 1

Power (W): 15.7580

Lamp flux(lm): 1078.0

PF: 0.8720

Length(mm): 440

Width(mm): 440

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 701.71, Efficiency(%): 65.09% , Luminous Efficacy(lm/W): 44.53

Central intensity(cd): 551.669, Maximum intensity(cd): 551.669

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

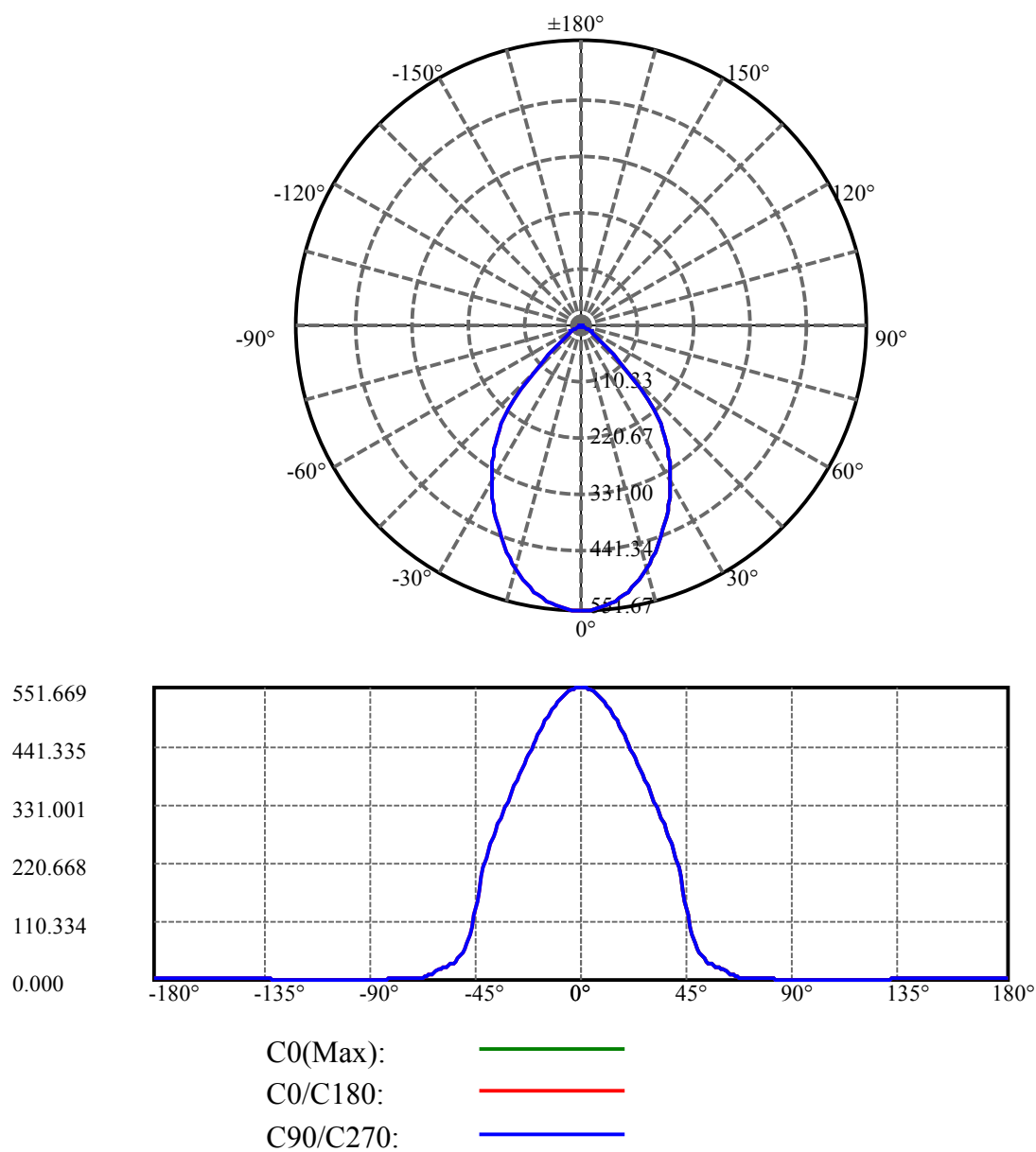
Beam angle of C0 plane : 73.04

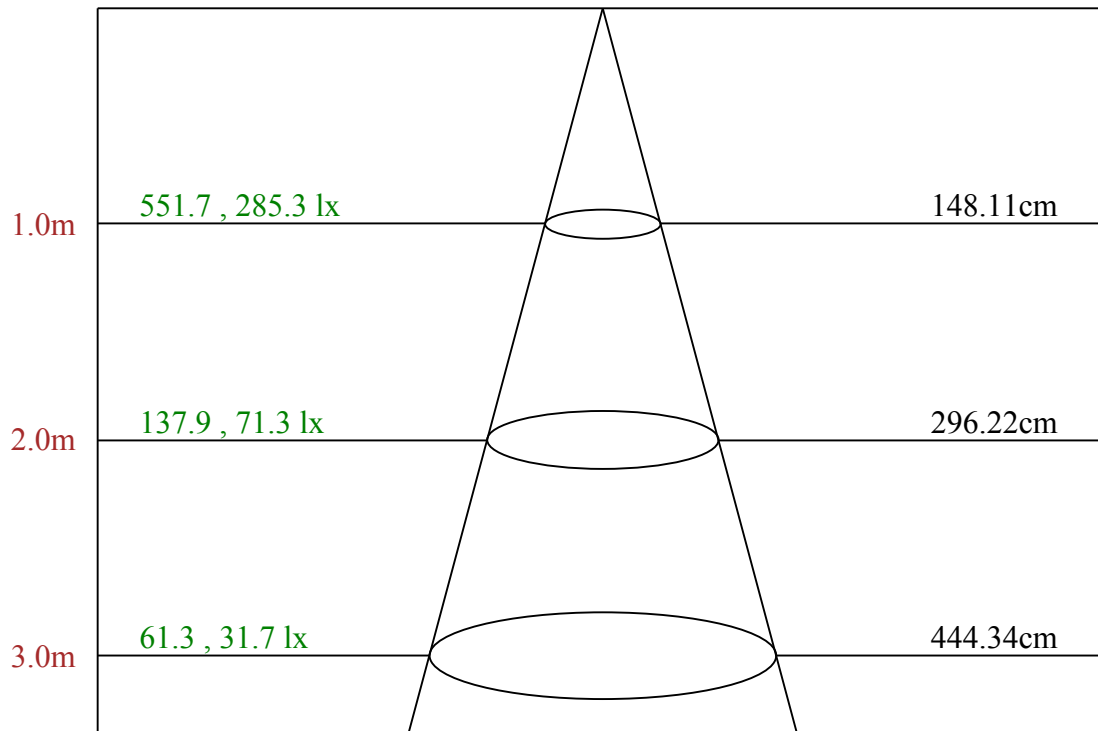
Average BeamAngle(IEC 61341): 73.04

Equipment: equipamento lumini
Temperature(°C): 25.0

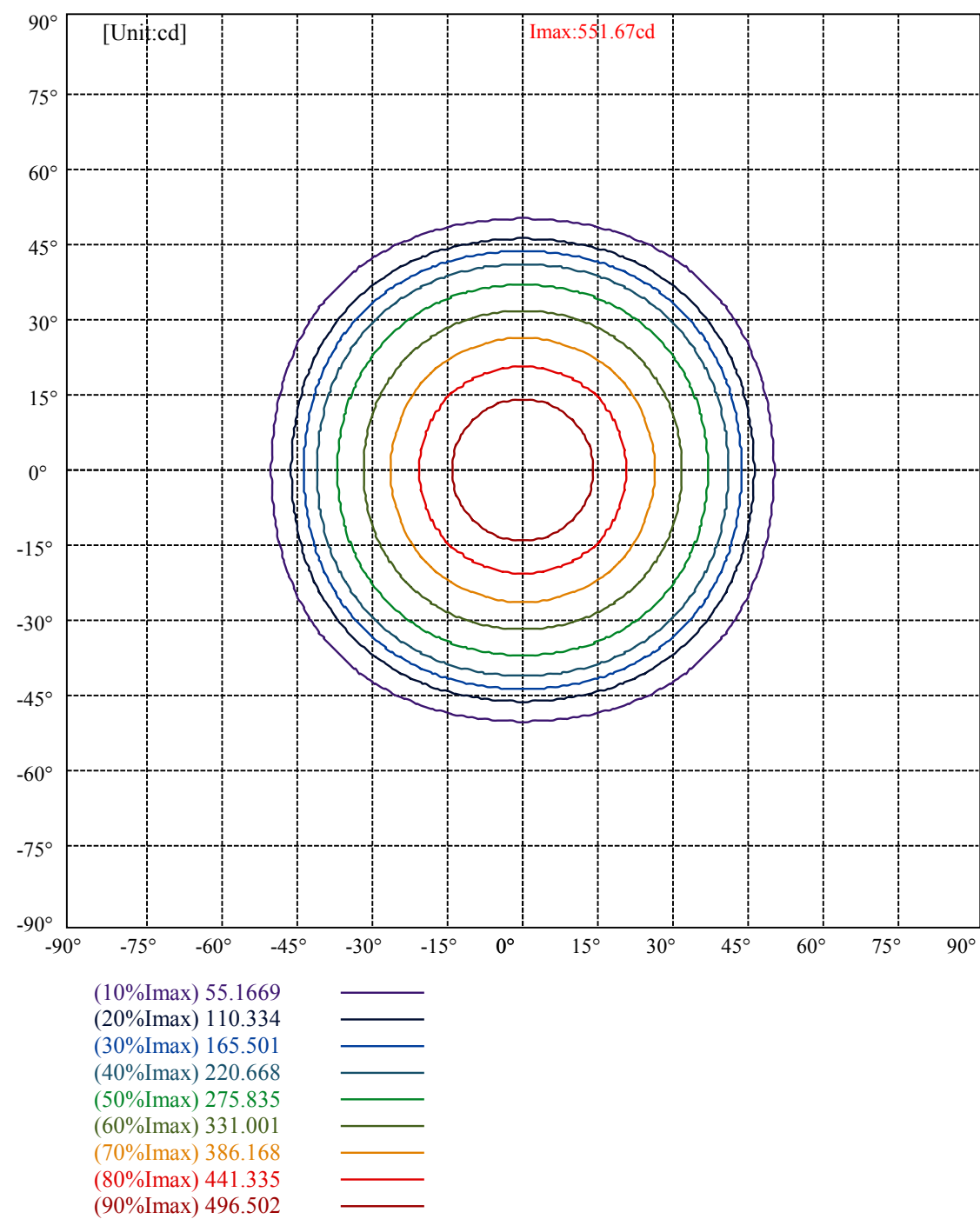
Date: 13/03/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 73.04



Luminance Table

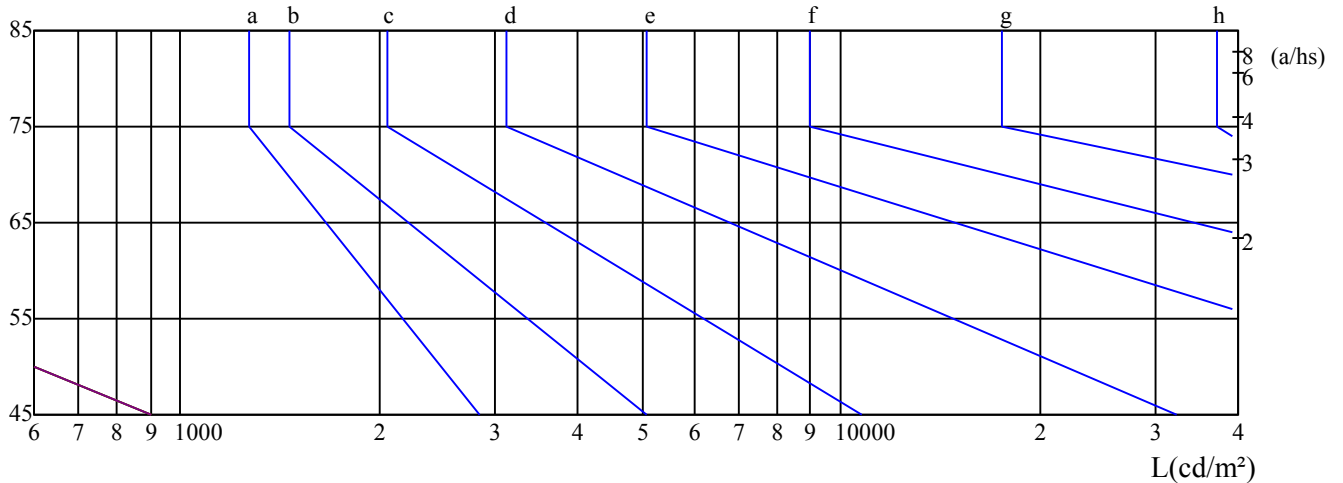
γ	45	50	55	60	65	70	75	80	85
C0	903	413	268	195	92	39	43	55	94
C45	903	413	268	195	92	39	43	55	94
C90	903	413	268	195	92	39	43	55	94

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
92	92	92	43	43	43	94	94	94

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 ———

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	8.65	9.78	9.05	10.13	10.49	8.45	9.58	8.84	9.93	10.29
	3H	8.50	9.50	8.92	9.87	10.26	8.31	9.31	8.72	9.68	10.07
	4H	8.42	9.34	8.85	9.73	10.14	8.23	9.15	8.66	9.54	9.95
	6H	8.35	9.20	8.80	9.61	10.05	8.17	9.01	8.61	9.42	9.86
	8H	8.29	9.10	8.74	9.52	9.97	8.11	8.92	8.55	9.33	9.78
	12H	8.24	9.01	8.69	9.44	9.89	8.06	8.83	8.51	9.25	9.71
4H	2H	8.47	9.39	8.90	9.78	10.19	8.27	9.20	8.70	9.58	9.99
	3H	8.29	9.05	8.74	9.48	9.94	8.10	8.87	8.56	9.30	9.75
	4H	8.24	8.91	8.71	9.36	9.84	8.06	8.72	8.53	9.18	9.66
	6H	8.14	8.72	8.64	9.20	9.69	7.96	8.54	8.46	9.02	9.51
	8H	8.10	8.64	8.61	9.13	9.64	7.92	8.47	8.43	8.95	9.46
	12H	8.08	8.58	8.60	9.06	9.62	7.91	8.41	8.42	8.89	9.44
8H	4H	8.07	8.61	8.58	9.10	9.61	7.88	8.43	8.40	8.91	9.42
	6H	7.95	8.40	8.49	8.91	9.46	7.78	8.23	8.31	8.73	9.28
	8H	7.97	8.36	8.53	8.91	9.44	7.80	8.18	8.35	8.73	9.26
	12H	7.97	8.28	8.53	8.82	9.38	7.79	8.11	8.36	8.65	9.20
12H	4H	8.02	8.52	8.54	9.00	9.56	7.84	8.34	8.35	8.82	9.37
	6H	7.95	8.33	8.50	8.88	9.41	7.77	8.16	8.33	8.70	9.24
	8H	7.93	8.24	8.49	8.79	9.34	7.76	8.07	8.32	8.61	9.17
Variation with the observer position at spacings:											
S = 1.0H		2.5/-5.7					2.5/-5.7				
S = 1.5H		4.3/-8.0					4.3/-8.0				
S = 2.0H		6.4/-11.3					6.4/-11.3				
Standard tables:		BK0					BK0				
Uncorrected UGR		-10.1					-10.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25