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LumCAT:

Luminaire: focus sm a e sr3 fc

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.7900

Test No:

Current(A): 0.1110

Number of Lamps: 1

Power (W): 13.8210

Lamp flux(lm): 1478.0

PF: 0.9790

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1088.66, Efficiency(%): 73.66% , Luminous Efficacy(lm/W): 78.77

Central intensity(cd): 6102.234, Maximum intensity(cd): 6102.234

Angle of maximum intensity: C=0.0 γ =0.0

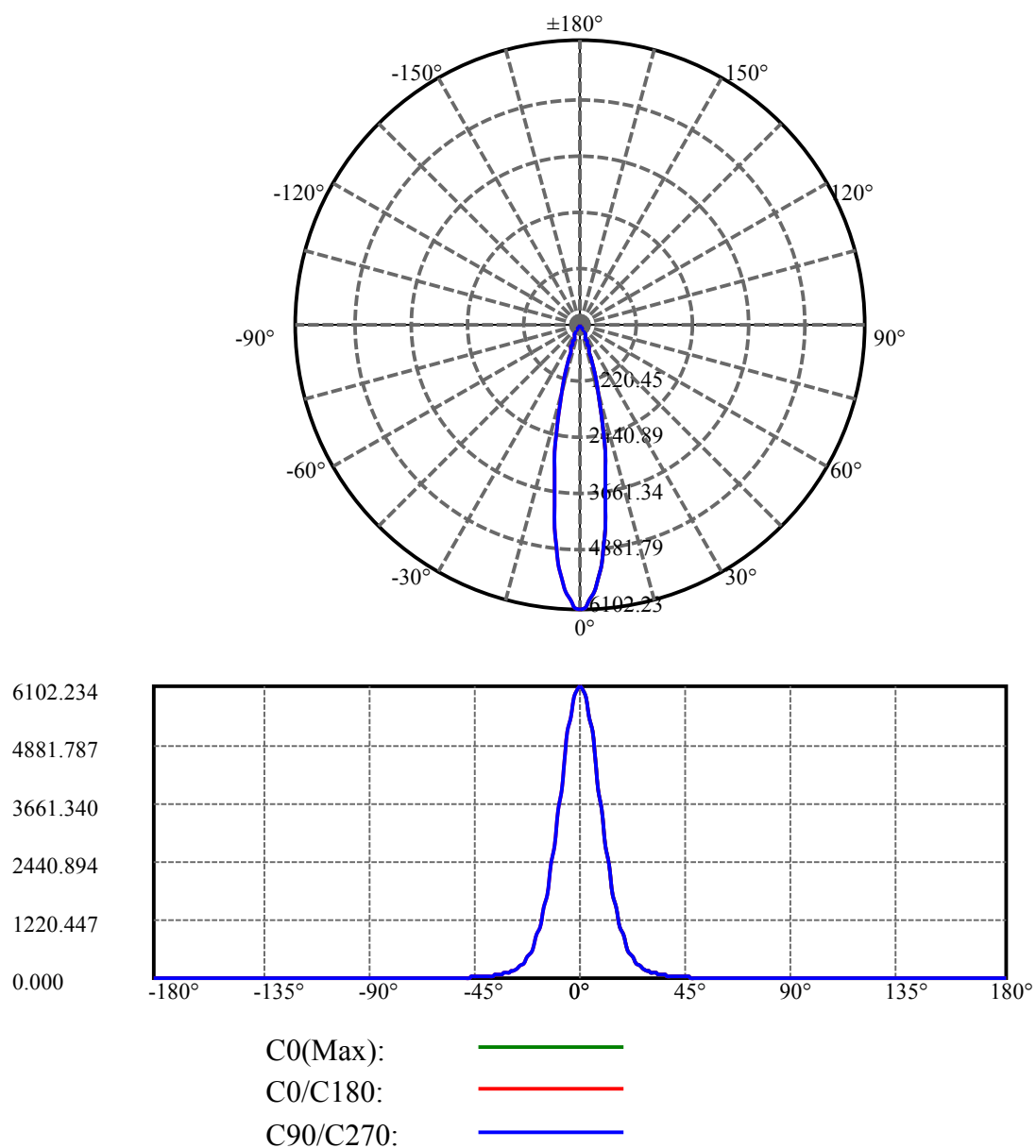
Beam angle of C0 plane : 20.48

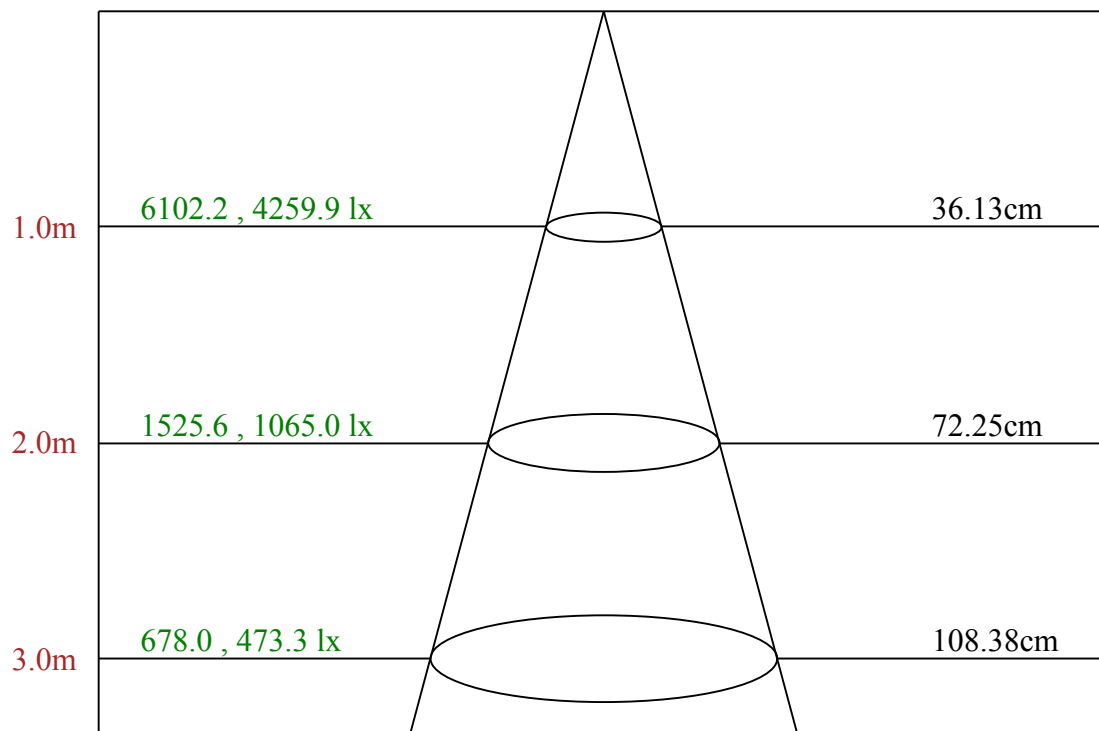
Aveage BeamAngle(IEC 61341):20.48

Equipment: equipamento lumini
Temperature(°C): 26.5

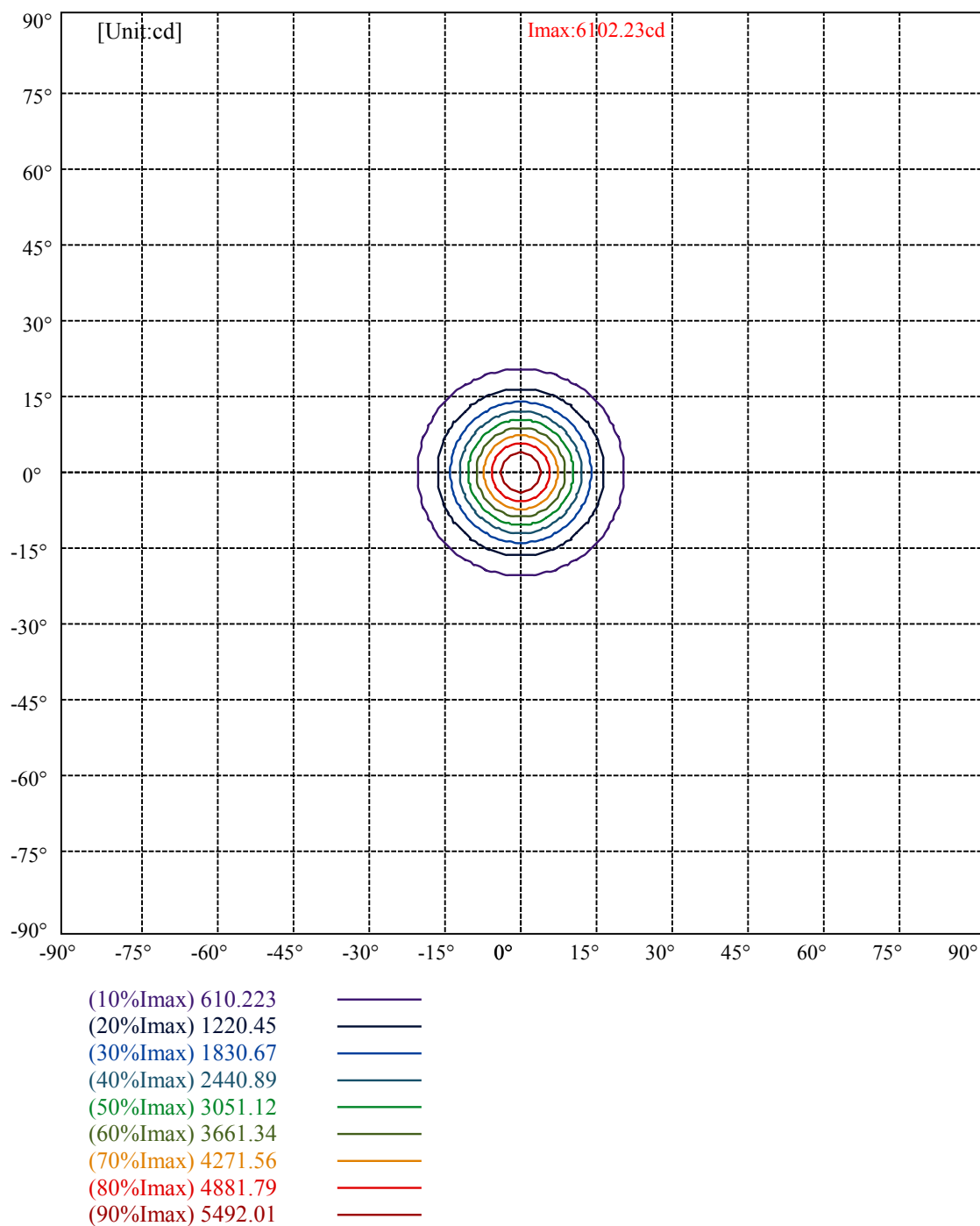
Date: 04/08/2025
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.48



Luminance Table

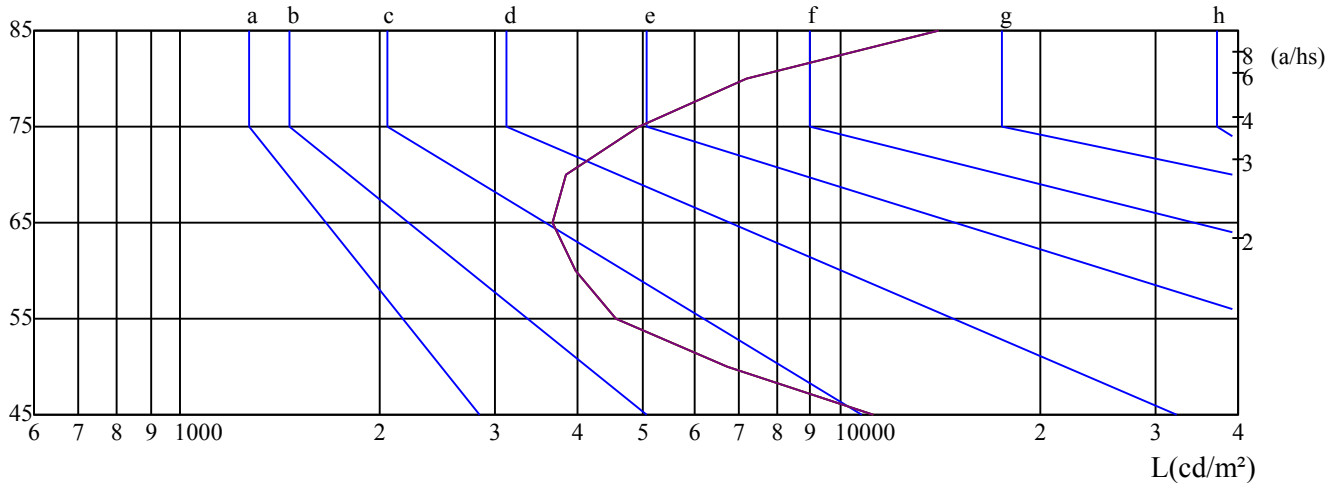
γ	45	50	55	60	65	70	75	80	85
C0	11232	6749	4572	3958	3654	3842	4956	7206	14085
C45	11232	6749	4572	3958	3654	3842	4956	7206	14085
C90	11232	6749	4572	3958	3654	3842	4956	7206	14085

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3654	3654	3654	4956	4956	4956	14085	14085	14085

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	11.70	12.61	12.11	12.97	13.35	11.97	12.88	12.38	13.24	13.62
	3H	12.00	12.81	12.43	13.20	13.60	12.26	13.07	12.69	13.45	13.86
	4H	12.34	13.09	12.79	13.50	13.92	12.59	13.34	13.03	13.74	14.16
	6H	13.00	13.69	13.46	14.11	14.57	13.20	13.89	13.66	14.31	14.76
	8H	13.48	14.14	13.95	14.57	15.03	13.65	14.30	14.11	14.74	15.20
	12H	14.14	14.76	14.61	15.20	15.68	14.31	14.93	14.78	15.37	15.84
4H	2H	11.62	12.37	12.07	12.78	13.20	11.88	12.62	12.32	13.03	13.45
	3H	12.10	12.73	12.57	13.17	13.64	12.33	12.96	12.80	13.40	13.87
	4H	12.69	13.24	13.17	13.70	14.21	12.90	13.44	13.38	13.91	14.41
	6H	13.61	14.09	14.13	14.59	15.10	13.77	14.25	14.29	14.75	15.25
	8H	14.32	14.76	14.85	15.27	15.79	14.44	14.88	14.97	15.39	15.91
	12H	15.23	15.64	15.76	16.13	16.71	15.36	15.77	15.89	16.26	16.83
8H	4H	12.89	13.34	13.42	13.84	14.36	13.07	13.52	13.60	14.02	14.55
	6H	14.12	14.48	14.67	15.00	15.57	14.25	14.61	14.79	15.13	15.70
	8H	15.10	15.40	15.67	15.97	16.52	15.19	15.50	15.77	16.06	16.61
	12H	16.29	16.52	16.87	17.08	17.65	16.39	16.62	16.97	17.18	17.76
12H	4H	12.96	13.37	13.50	13.87	14.44	13.14	13.55	13.67	14.05	14.62
	6H	14.36	14.66	14.93	15.22	15.77	14.48	14.78	15.05	15.34	15.89
	8H	15.42	15.65	16.00	16.21	16.78	15.50	15.73	16.08	16.29	16.87
Variation with the observer position at spacings:											
S = 1.0H		2.5/-2.4					2.5/-2.4				
S = 1.5H		3.5/-1.9					3.5/-1.9				
S = 2.0H		4.1/-1.6					4.1/-1.6				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-0.6					-0.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25