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lumini

LumCAT:

Luminaire: mini downled r serie 2 e fc

LampCAT: modulo led 4W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 125.0000

Test No:

Current(A): 0.0450

Number of Lamps: 1

Power (W): 5.6250

Lamp flux(lm): 429.0

PF: 0.0000

Length(mm): 26

Width(mm): 26

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 226.44, Efficiency(%): 52.78% , Luminous Efficacy(lm/W): 40.26

Central intensity(cd): 1625.525, Maximum intensity(cd): 1631.250

Angle of maximum intensity: C=0.0 γ =1.0

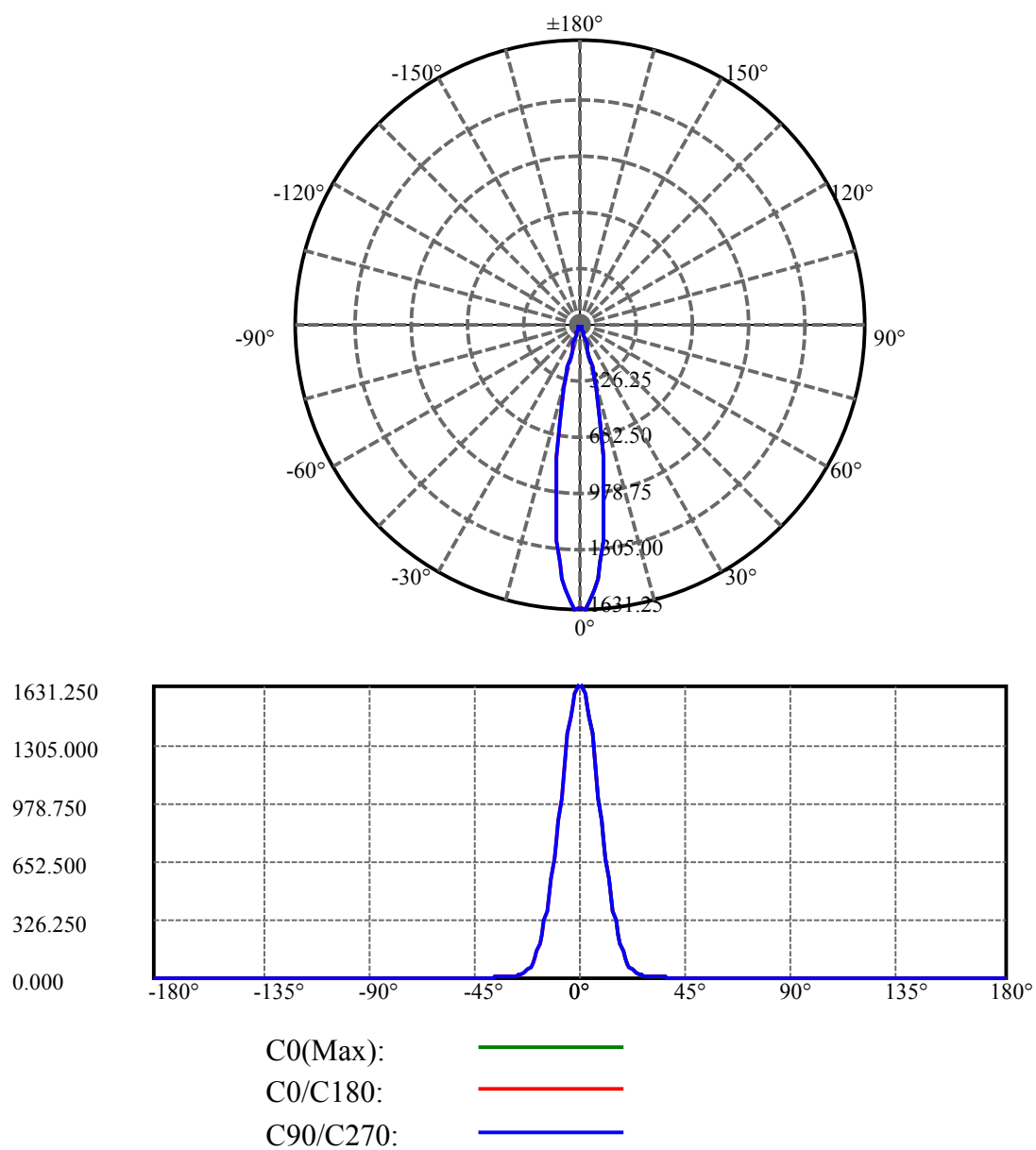
Beam angle of C0 plane : 19.25

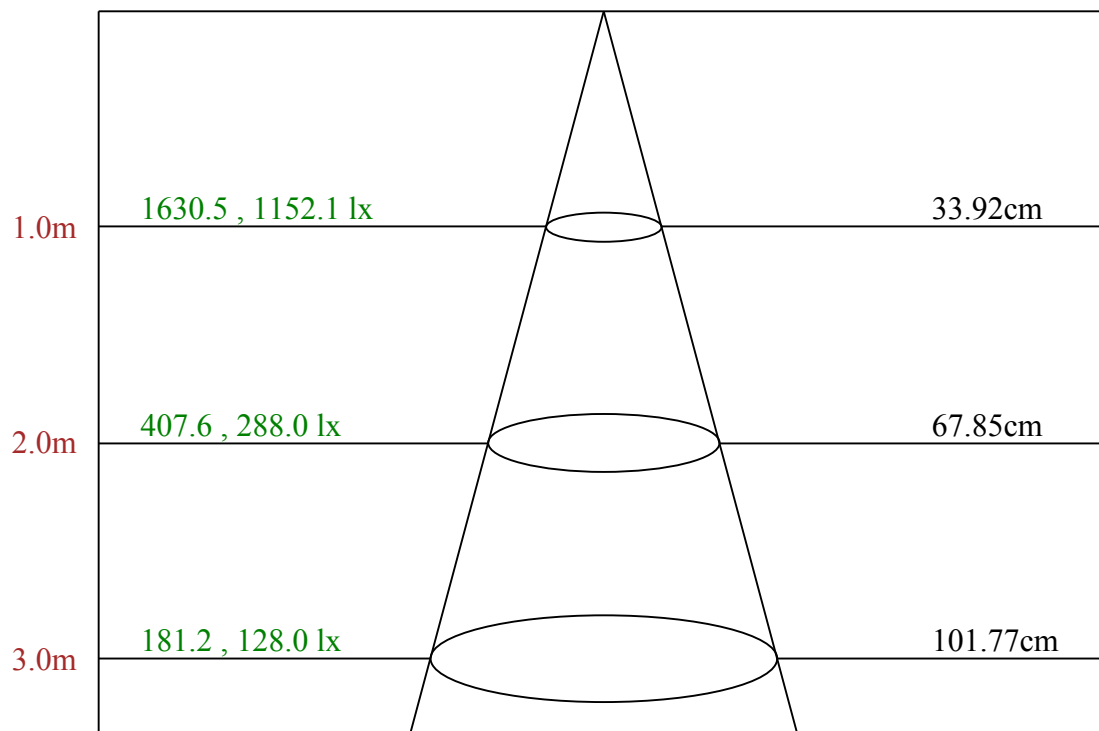
Average BeamAngle(IEC 61341): 19.25

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 29/01/2025
Humidity(%): 55.0%

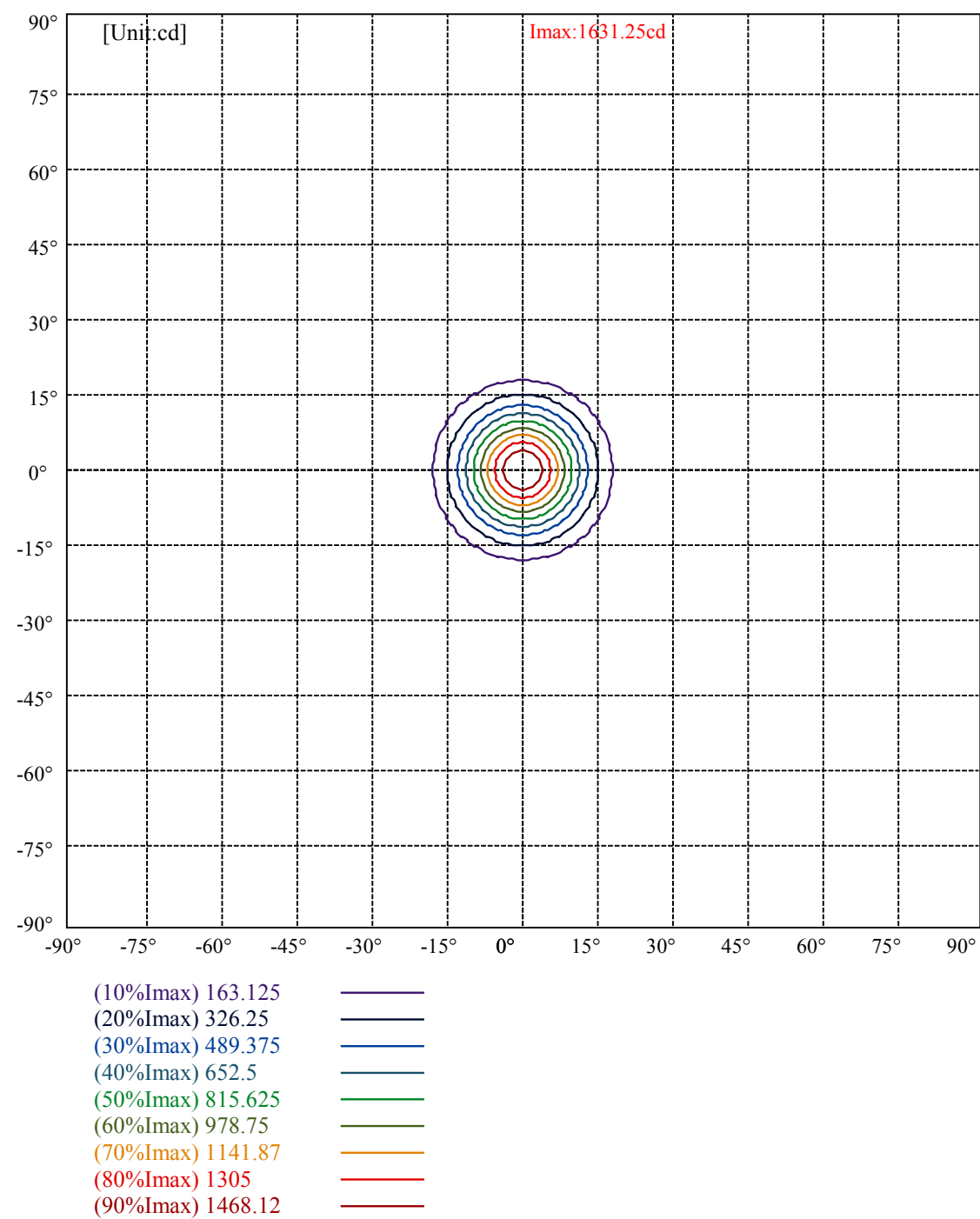
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 19.25



Luminance Table

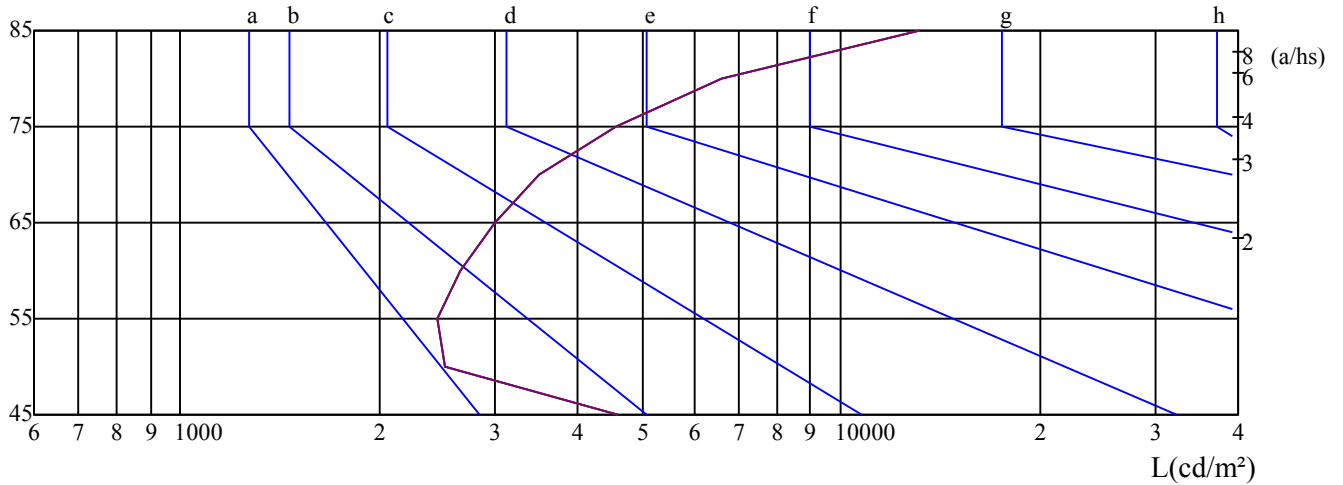
γ	45	50	55	60	65	70	75	80	85
C0	4582	2520	2456	2659	3000	3501	4558	6591	13131
C45	4582	2520	2456	2659	3000	3501	4558	6591	13131
C90	4582	2520	2456	2659	3000	3501	4558	6591	13131

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3000	3000	3000	4558	4558	4558	13131	13131	13131

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	6.62	7.51	7.03	7.87	8.25	7.09	7.98	7.50	8.34	8.72
	3H	8.15	8.94	8.58	9.33	9.74	8.35	9.14	8.78	9.53	9.93
	4H	9.31	10.04	9.76	10.45	10.87	9.33	10.06	9.77	10.46	10.89
	6H	10.91	11.58	11.37	12.01	12.46	10.66	11.33	11.12	11.76	12.21
	8H	11.81	12.45	12.28	12.88	13.35	11.52	12.16	11.98	12.59	13.06
	12H	13.00	13.61	13.47	14.05	14.52	12.58	13.18	13.05	13.62	14.10
4H	2H	6.92	7.66	7.37	8.06	8.49	7.31	8.05	7.76	8.45	8.88
	3H	8.79	9.41	9.26	9.85	10.32	8.91	9.53	9.38	9.97	10.45
	4H	10.27	10.81	10.75	11.27	11.78	10.22	10.75	10.70	11.22	11.73
	6H	12.10	12.57	12.62	13.07	13.58	11.81	12.28	12.32	12.78	13.28
	8H	13.17	13.61	13.70	14.11	14.64	12.85	13.29	13.38	13.79	14.32
	12H	14.55	14.95	15.08	15.44	16.02	14.10	14.50	14.63	15.00	15.57
8H	4H	10.77	11.21	11.30	11.71	12.24	10.72	11.16	11.25	11.66	12.19
	6H	12.89	13.25	13.44	13.77	14.33	12.63	12.98	13.17	13.50	14.07
	8H	14.23	14.53	14.81	15.09	15.64	13.95	14.24	14.52	14.81	15.36
	12H	15.84	16.07	16.43	16.63	17.20	15.44	15.66	16.02	16.22	16.79
12H	4H	10.92	11.32	11.45	11.82	12.39	10.89	11.29	11.42	11.79	12.36
	6H	13.20	13.50	13.78	14.06	14.61	12.97	13.27	13.54	13.83	14.38
	8H	14.64	14.86	15.22	15.42	16.00	14.39	14.61	14.97	15.17	15.74
Variation with the observer position at spacings:											
S = 1.0H		0.9/-1.2					0.9/-1.2				
S = 1.5H		0.9/-1.3					0.9/-1.3				
S = 2.0H		1.0/-1.2					1.0/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-3.5					-3.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25