



lumini Solucoes em Iluminacao LTDA
www.lumini.com.br
Email:laboratorio@lumini.com.br
Tel:+55 11 3437-5555 Fax:+55 11 3437-5555
Address:Rua Ferreira Viana, 716 - Socorro - São Paulo/SP

lumini

LumCAT:

Luminaire: mini frame concentra 34 serie 3 e fm

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7800

Test No:

Current(A): 0.1120

Number of Lamps: 1

Power (W): 14.0050

Lamp flux(lm): 1430.0

PF: 0.9760

Length(mm): 309

Width(mm): 17

Phm Type: C

Height(mm): 0

Photometric Results

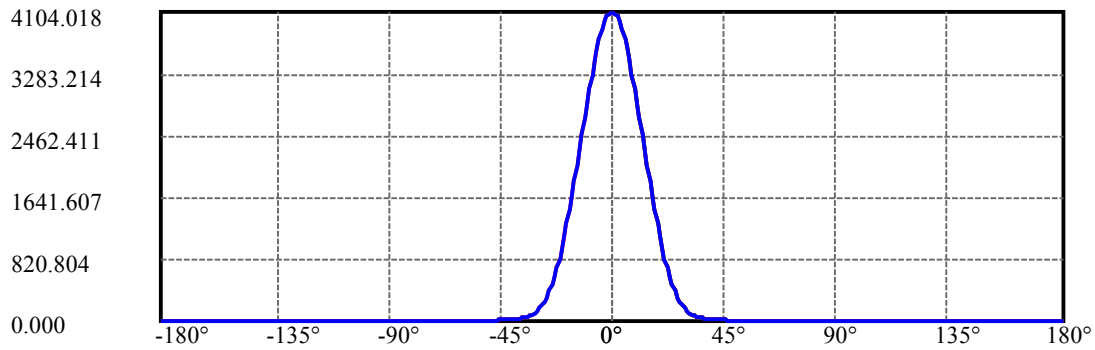
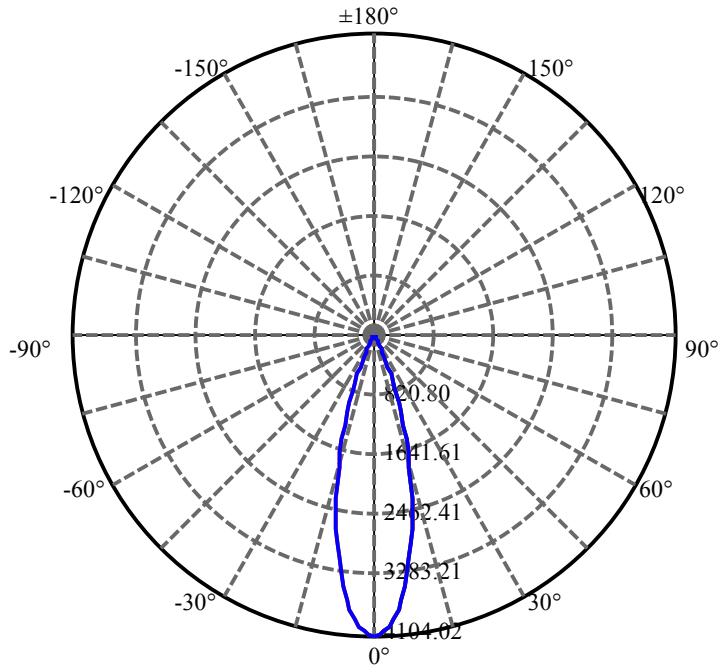
Lumens(lm): 1113.47, Efficiency(%): 77.87% , Luminous Efficacy(lm/W): 79.51

Central intensity(cd): 4104.018, Maximum intensity(cd): 4104.018

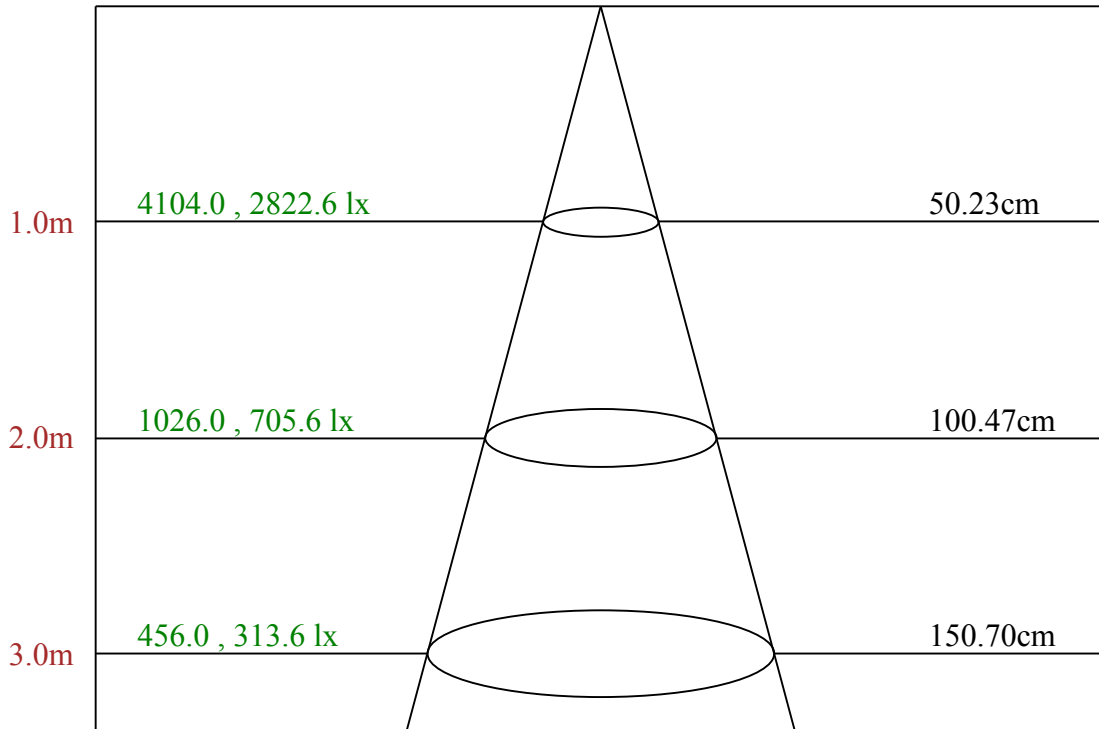
Angle of maximum intensity: C=0.0 γ =0.0

Beam angle of C0 plane : 28.20

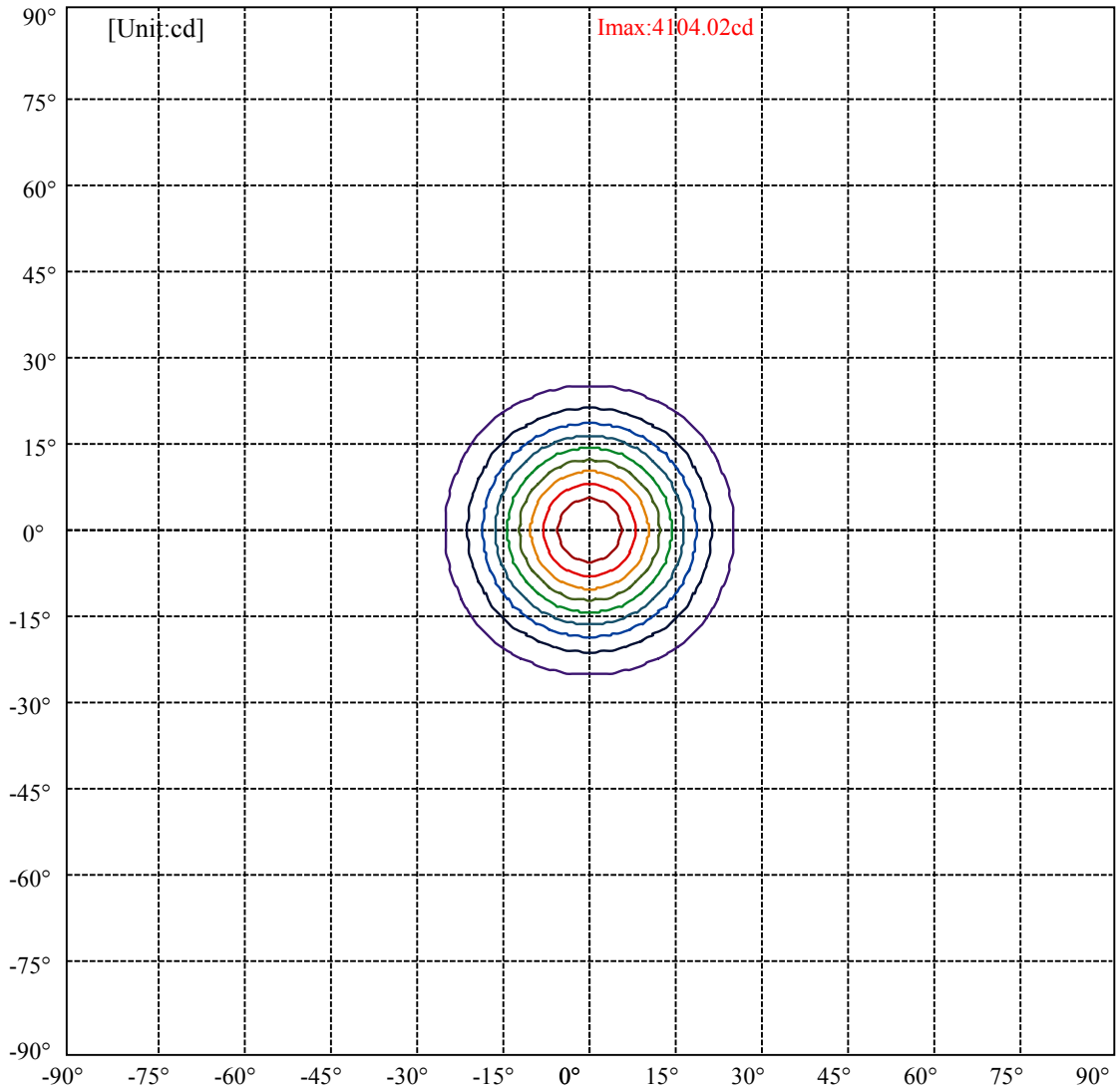
Aveage BeamAngle(IEC 61341):28.20



C0(Max): —————
C0/C180: —————
C90/C270: —————



Max , Ave Beam angle of C0 plane 28.20



(10%Imax) 410.402	—
(20%Imax) 820.804	—
(30%Imax) 1231.21	—
(40%Imax) 1641.61	—
(50%Imax) 2052.01	—
(60%Imax) 2462.41	—
(70%Imax) 2872.81	—
(80%Imax) 3283.21	—
(90%Imax) 3693.62	—

lumini

Luminance Limiting Curve(no luminous side)

Luminance Table

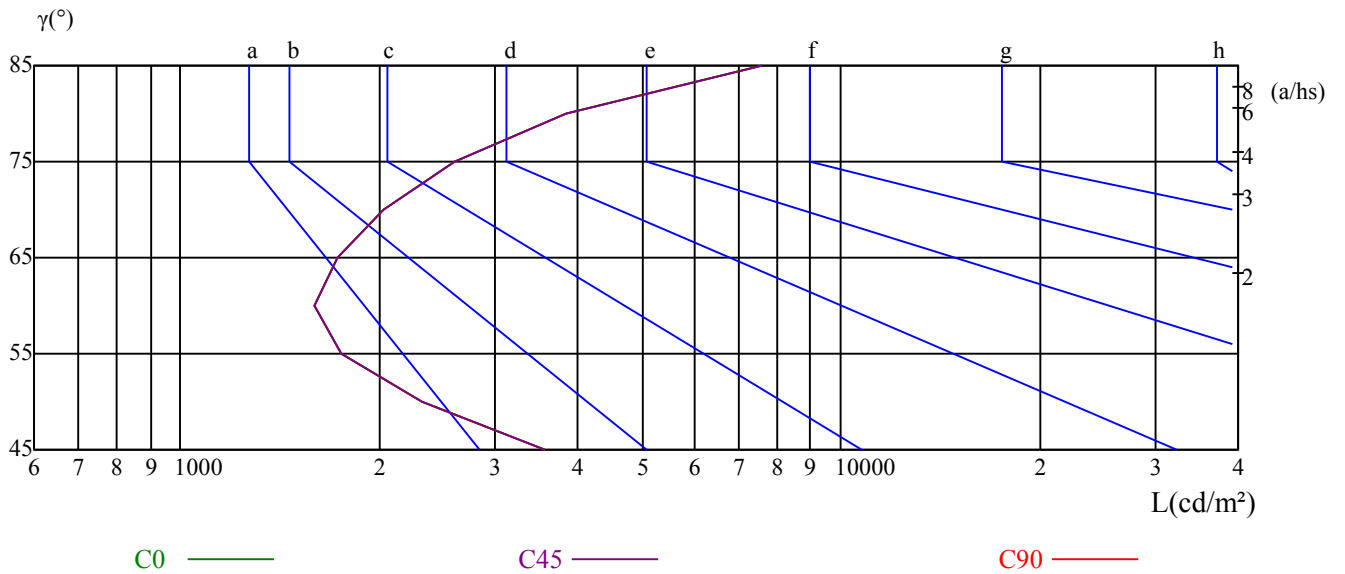
γ	45	50	55	60	65	70	75	80	85
C0	3563	2318	1758	1595	1724	2024	2604	3830	7578
C45	3563	2318	1758	1595	1724	2024	2604	3830	7578
C90	3563	2318	1758	1595	1724	2024	2604	3830	7578

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1724	1724	1724	2604	2604	2604	7578	7578	7578

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	9.26	10.15	9.66	10.51	10.88	9.10	10.00	9.51	10.35	10.72
	3H	9.55	10.34	9.97	10.73	11.12	9.39	10.19	9.82	10.57	10.97
	4H	9.90	10.63	10.34	11.03	11.45	9.75	10.49	10.19	10.88	11.30
	6H	10.56	11.24	11.02	11.66	12.11	10.43	11.11	10.89	11.53	11.98
	8H	11.05	11.70	11.52	12.12	12.58	10.93	11.57	11.39	12.00	12.46
	12H	11.75	12.35	12.21	12.79	13.26	11.61	12.22	12.08	12.66	13.12
4H	2H	9.12	9.85	9.56	10.25	10.67	8.97	9.71	9.41	10.10	10.52
	3H	9.59	10.21	10.06	10.65	11.12	9.45	10.07	9.92	10.51	10.98
	4H	10.20	10.73	10.68	11.20	11.70	10.07	10.60	10.55	11.07	11.57
	6H	11.15	11.62	11.66	12.11	12.61	11.04	11.51	11.55	12.00	12.50
	8H	11.86	12.30	12.39	12.80	13.32	11.76	12.20	12.29	12.70	13.22
	12H	12.82	13.22	13.35	13.71	14.28	12.70	13.10	13.23	13.59	14.16
8H	4H	10.40	10.83	10.92	11.33	11.85	10.28	10.72	10.81	11.22	11.74
	6H	11.65	12.01	12.20	12.53	13.09	11.56	11.92	12.11	12.44	13.00
	8H	12.65	12.95	13.22	13.51	14.05	12.57	12.86	13.14	13.42	13.97
	12H	13.89	14.12	14.47	14.67	15.24	13.79	14.01	14.37	14.57	15.14
12H	4H	10.47	10.87	11.00	11.36	11.93	10.36	10.76	10.89	11.26	11.83
	6H	11.89	12.19	12.46	12.75	13.29	11.81	12.11	12.38	12.66	13.21
	8H	12.97	13.20	13.55	13.75	14.32	12.89	13.12	13.47	13.67	14.24
Variation with the observer position at spacings:											
S = 1.0H		2.8/-1.9					2.8/-1.9				
S = 1.5H		3.4/-1.7					3.4/-1.7				
S = 2.0H		3.9/-1.5					3.9/-1.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-4.2					-4.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25