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## lumini

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LumCAT:

Luminaire: focal p fc

LampCAT: modulo led 15.5W 30K irc90

Ballast type: LED driver 350mA

Report No:

Voltage(V): 128.3000

Test No:

Current(A): 0.1220

Number of Lamps: 1

Power (W): 15.6530

Lamp flux(lm): 1265.0

PF: 0.9870

Length(mm): 94

Width(mm): 94

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 946.38, Efficiency(%): 74.81% , Luminous Efficacy(lm/W): 60.46

Central intensity(cd): 9037.484, Maximum intensity(cd): 9037.484

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

Beam angle of C0 plane : 15.78

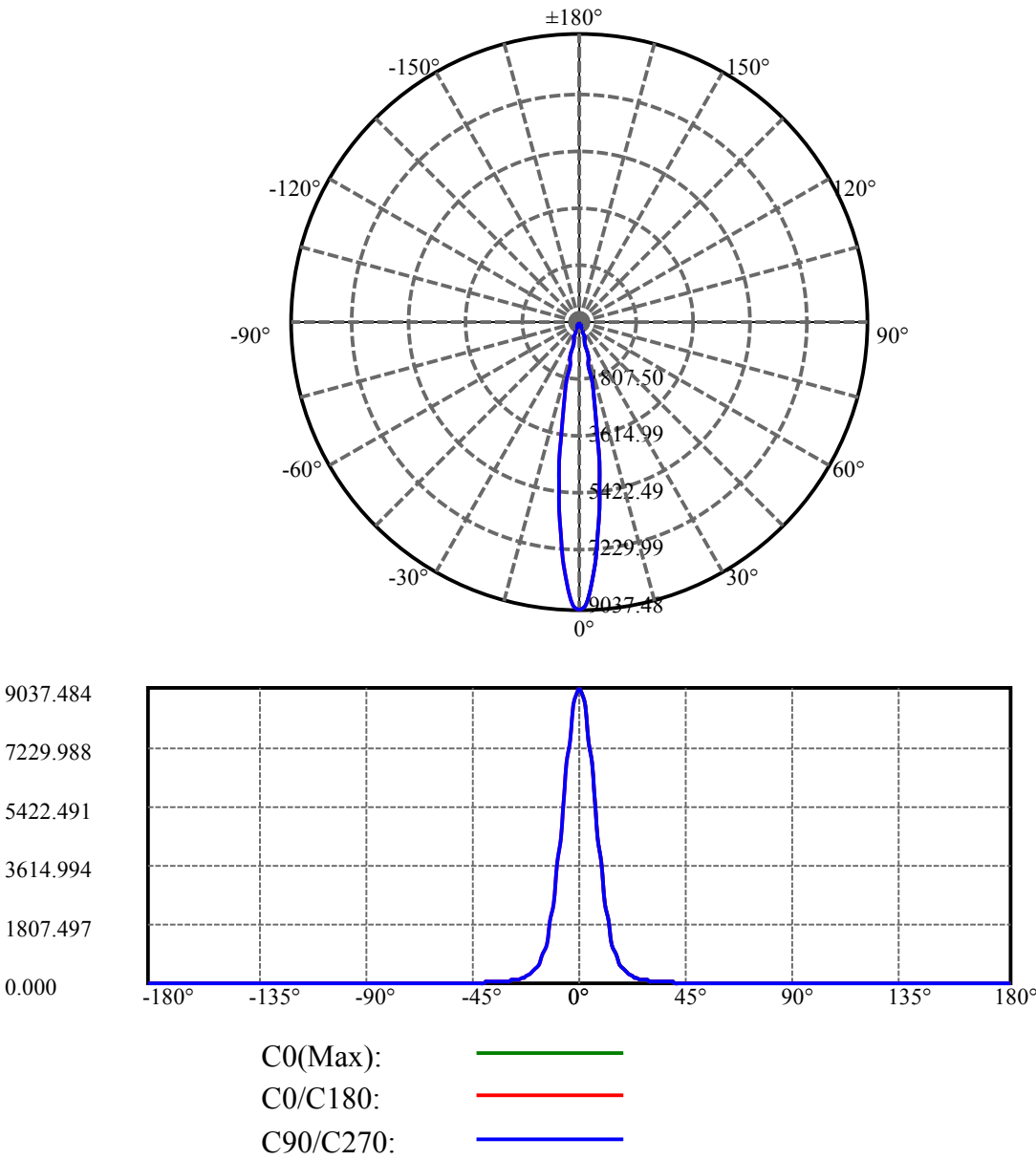
Average BeamAngle(IEC 61341): 15.78

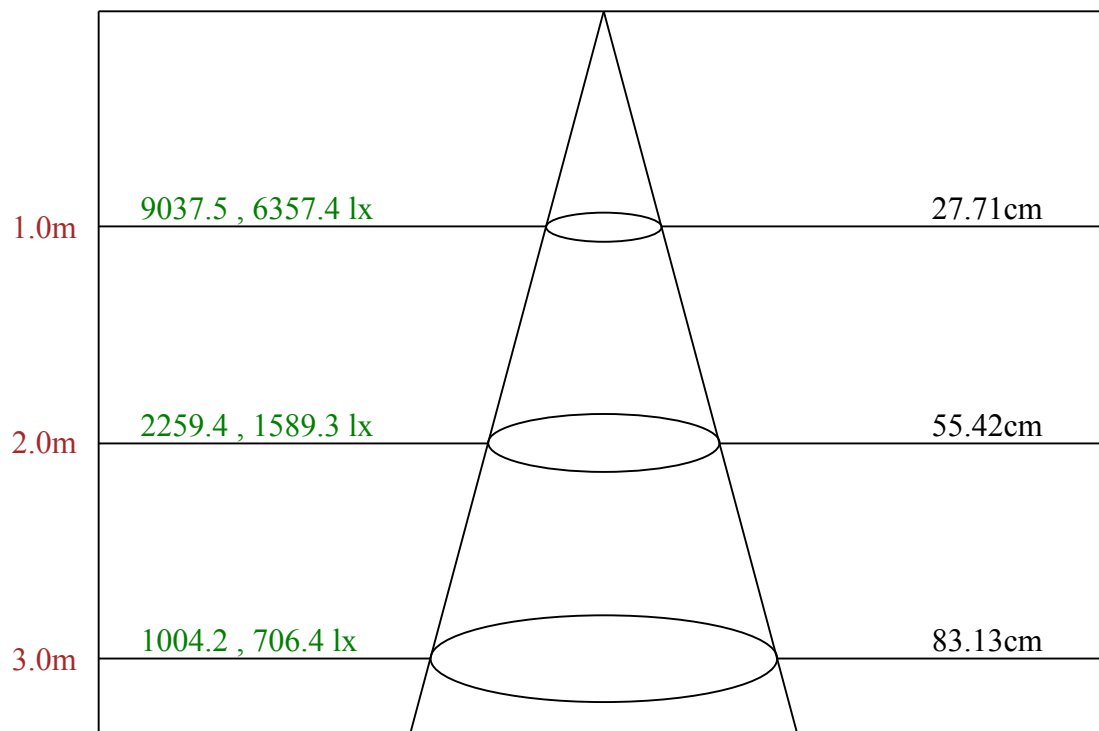
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Equipment: equipamento lumini  
Temperature(°C): 23.5

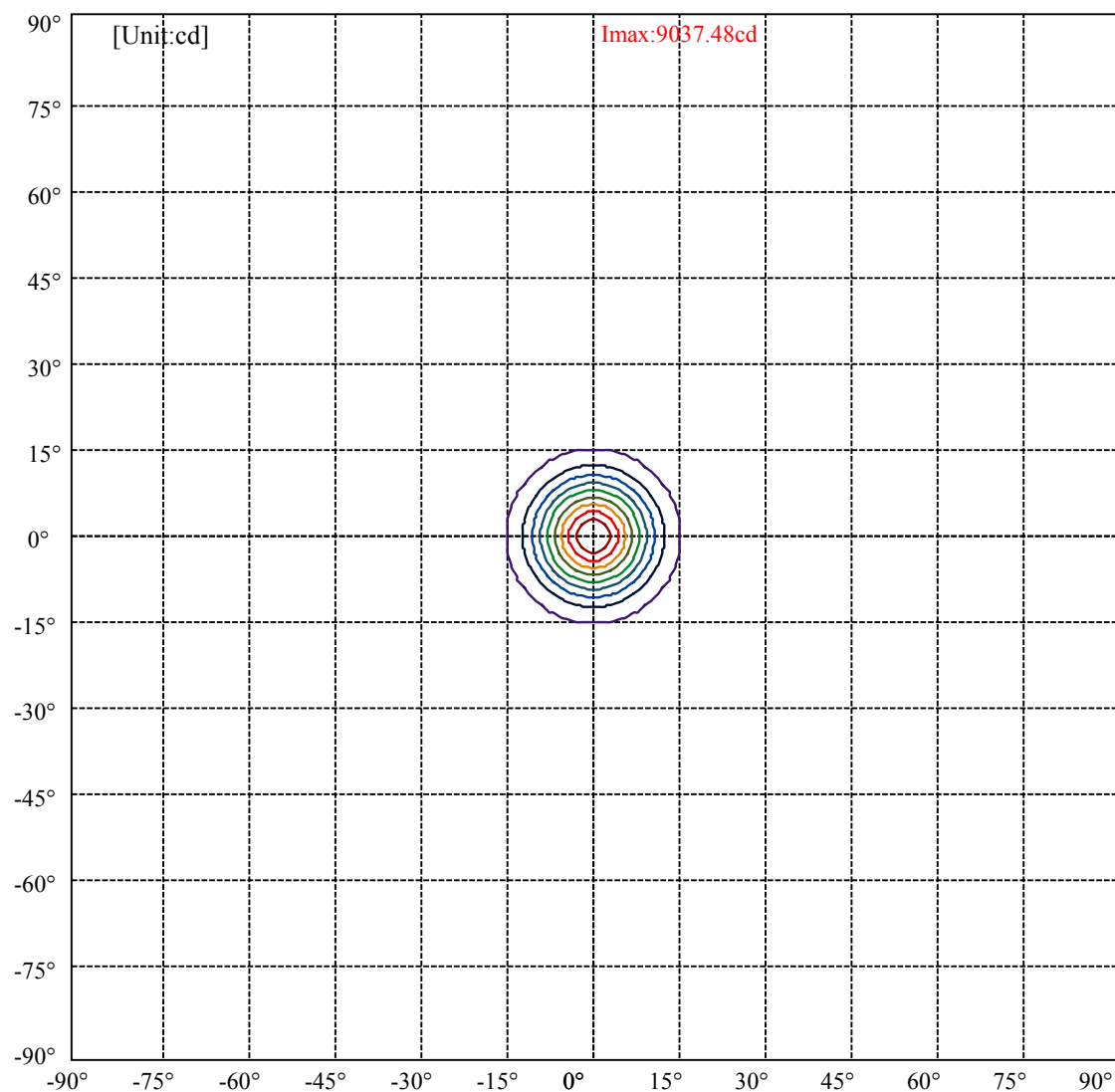
Date: 22/11/2024  
Humidity(%): 79.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 15.78



(10%Imax) 903.748	—————
(20%Imax) 1807.5	—————
(30%Imax) 2711.25	—————
(40%Imax) 3614.99	—————
(50%Imax) 4518.74	—————
(60%Imax) 5422.49	—————
(70%Imax) 6326.24	—————
(80%Imax) 7229.99	—————
(90%Imax) 8133.74	—————

Luminance Table

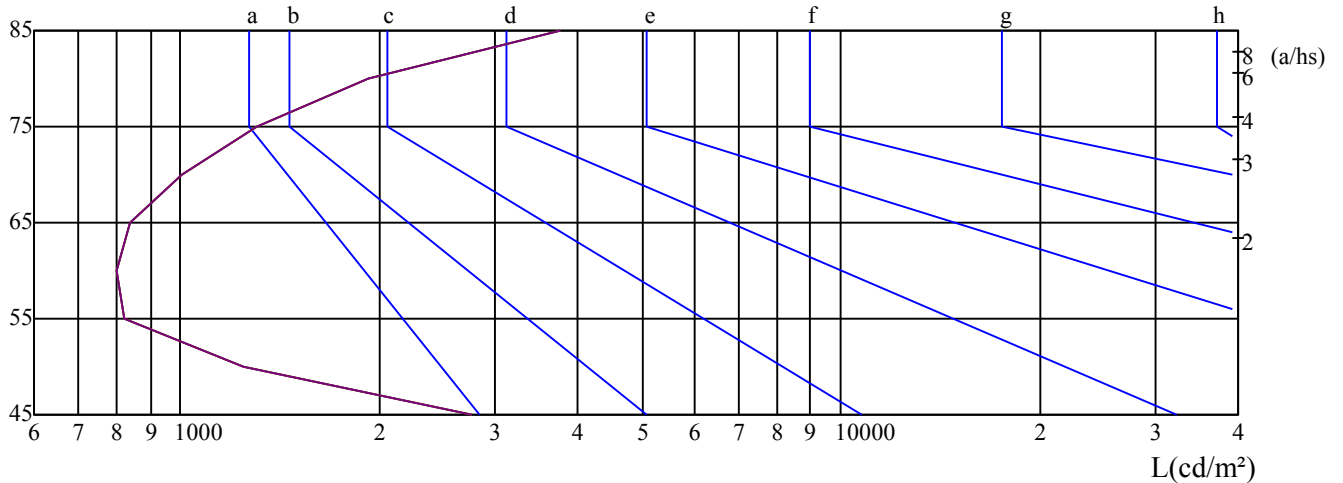
$\gamma$	45	50	55	60	65	70	75	80	85
C0	2758	1248	824	801	841	1006	1301	1920	3763
C45	2758	1248	824	801	841	1006	1301	1920	3763
C90	2758	1248	824	801	841	1006	1301	1920	3763

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
841	841	841	1301	1301	1301	3763	3763	3763

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		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	5.71	6.61	6.11	6.96	7.33	5.52	6.42	5.92	6.77	7.14
	3H	6.14	6.94	6.57	7.32	7.72	5.94	6.74	6.37	7.12	7.52
	4H	6.64	7.38	7.08	7.78	8.20	6.43	7.17	6.87	7.56	7.98
	6H	7.51	8.19	7.97	8.61	9.06	7.28	7.96	7.74	8.38	8.83
	8H	8.13	8.77	8.59	9.20	9.66	7.88	8.52	8.34	8.95	9.41
	12H	8.96	9.57	9.42	10.01	10.47	8.67	9.28	9.13	9.71	10.18
4H	2H	5.60	6.34	6.04	6.73	7.15	5.42	6.16	5.86	6.56	6.98
	3H	6.27	6.89	6.73	7.33	7.80	6.08	6.71	6.55	7.14	7.61
	4H	7.07	7.60	7.54	8.07	8.57	6.88	7.41	7.35	7.88	8.37
	6H	8.24	8.72	8.75	9.21	9.71	8.03	8.51	8.55	9.00	9.50
	8H	9.09	9.53	9.61	10.03	10.55	8.86	9.30	9.38	9.79	10.32
	12H	10.18	10.58	10.70	11.07	11.64	9.89	10.30	10.42	10.79	11.36
8H	4H	7.34	7.78	7.86	8.28	8.80	7.18	7.61	7.70	8.11	8.63
	6H	8.84	9.20	9.39	9.72	10.28	8.66	9.02	9.21	9.54	10.10
	8H	9.96	10.26	10.53	10.82	11.36	9.76	10.05	10.33	10.61	11.16
	12H	11.32	11.55	11.90	12.10	12.67	11.06	11.29	11.64	11.84	12.41
12H	4H	7.44	7.84	7.97	8.33	8.90	7.28	7.69	7.81	8.18	8.75
	6H	9.10	9.40	9.67	9.96	10.50	8.94	9.24	9.51	9.79	10.34
	8H	10.30	10.53	10.88	11.08	11.65	10.11	10.34	10.69	10.89	11.46
Variation with the observer position at spacings:											
S = 1.0H		1.8/-2.1					1.8/-2.1				
S = 1.5H		2.4/-1.8					2.4/-1.8				
S = 2.0H		2.9/-1.5					2.9/-1.5				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-6.5					-6.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25