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## lumini

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LumCAT:

Luminaire: no frame r 504 e

LampCAT: 2X modulo led 18W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.6700

Test No:

Current(A): 0.3200

Number of Lamps: 1

Power (W): 40.6060

Lamp flux(lm): 5753.0

PF: 0.9950

Length(mm): 478

Width(mm): 478

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 4400.75, Efficiency(%): 76.49% , Luminous Efficacy(lm/W): 108.38

Central intensity(cd): 1716.828, Maximum intensity(cd): 1716.828

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

Beam angle of C0 plane : 100.91

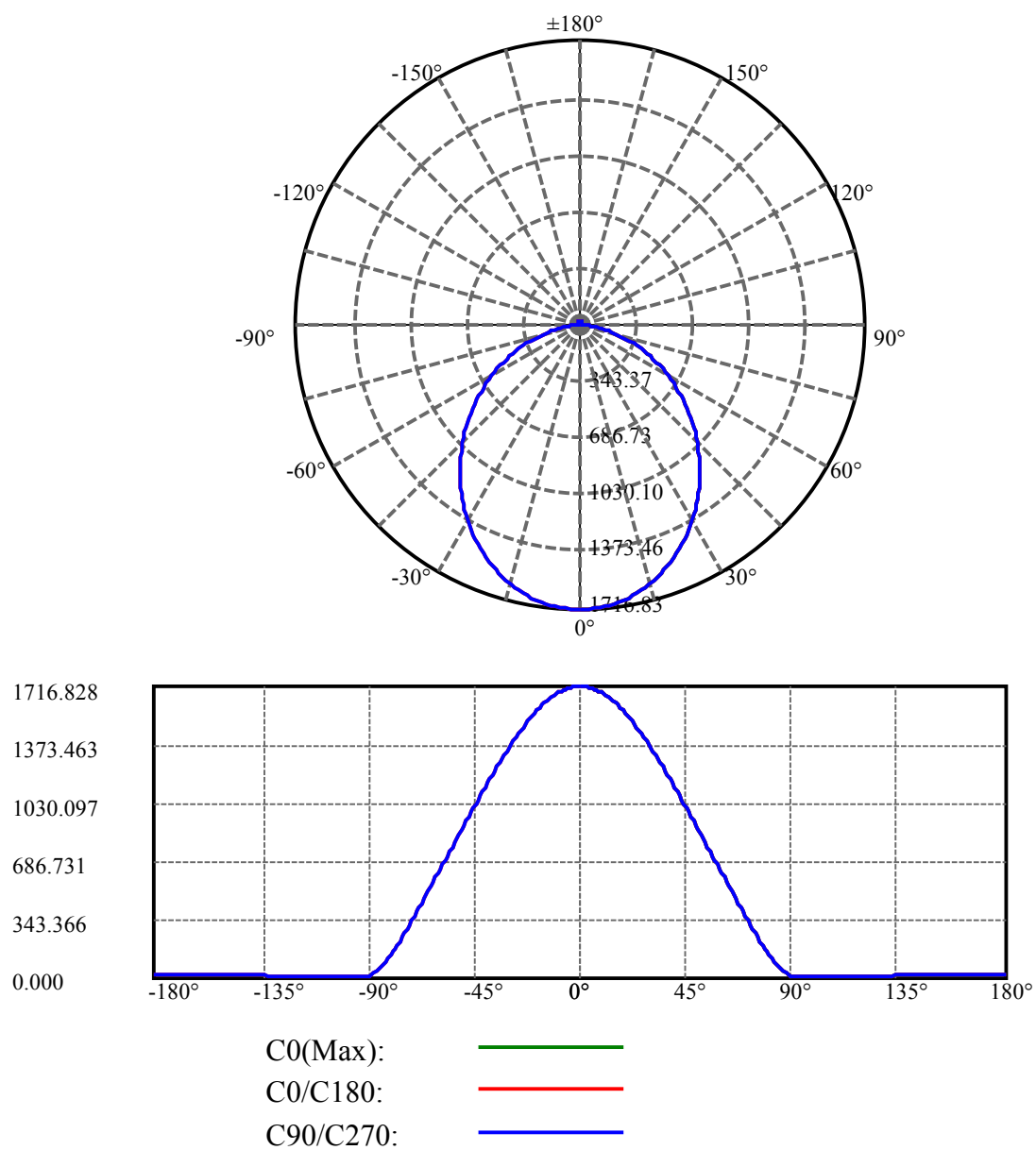
Aveage BeamAngle(IEC 61341):100.91

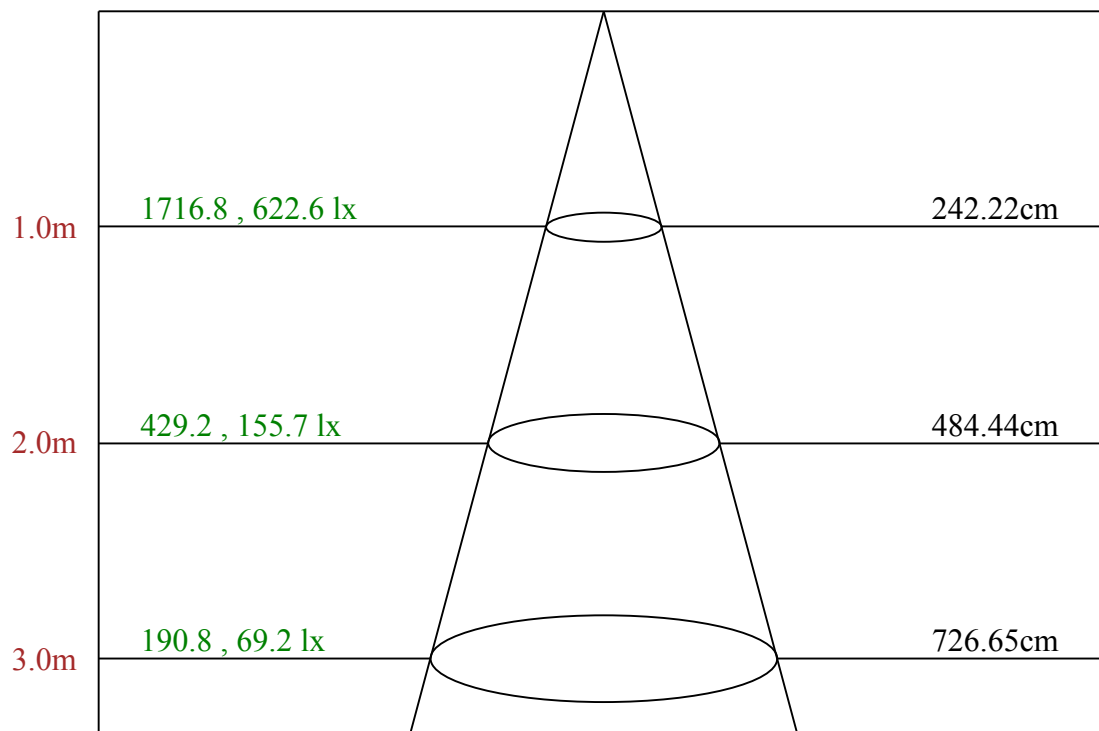
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Equipment: equipamento lumini  
Temperature(°C): 25.0

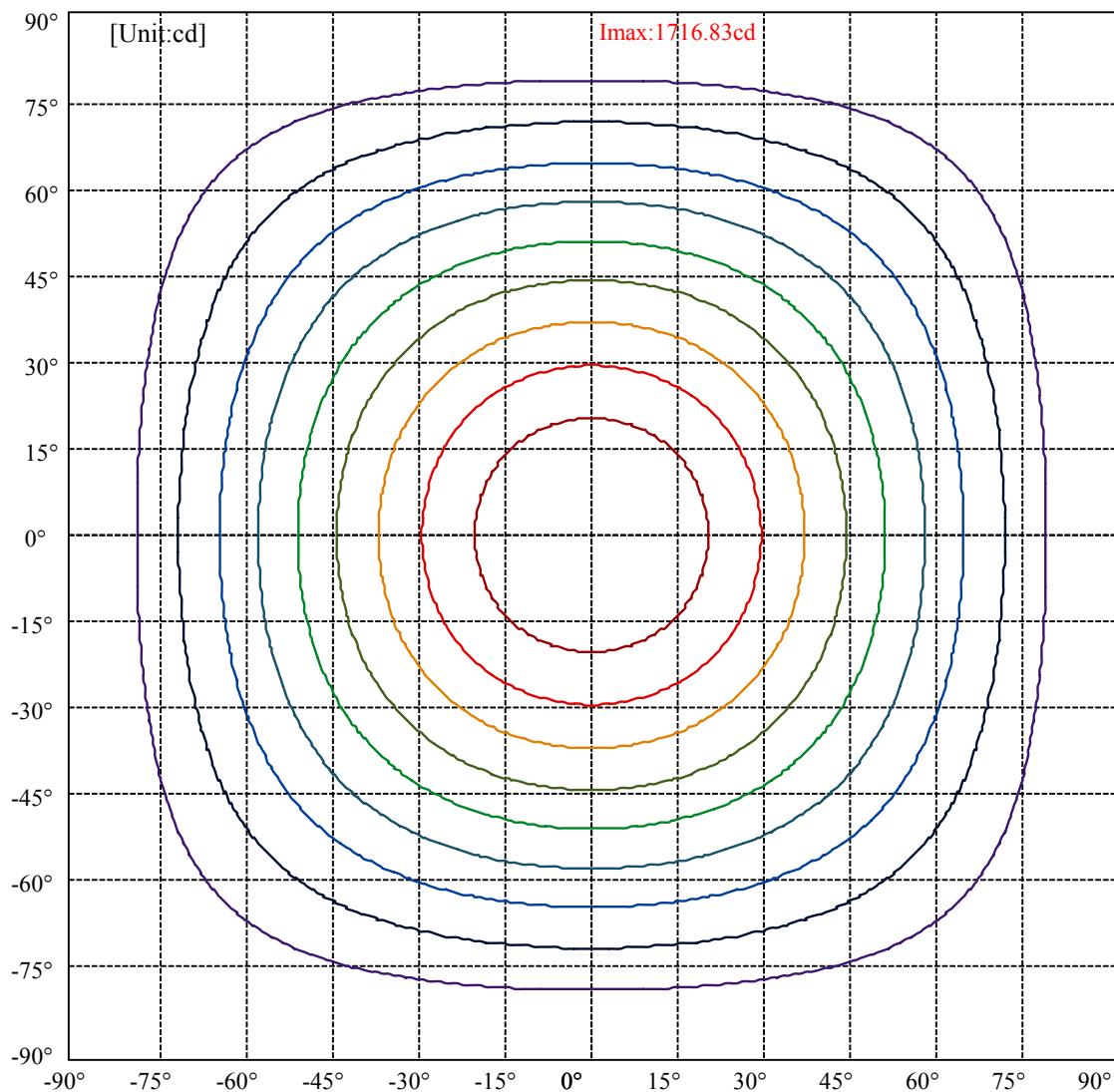
Date: 09/06/2025  
Humidity(%): 58.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 100.91



(10%Imax) 171.683	—
(20%Imax) 343.366	—
(30%Imax) 515.049	—
(40%Imax) 686.731	—
(50%Imax) 858.414	—
(60%Imax) 1030.1	—
(70%Imax) 1201.78	—
(80%Imax) 1373.46	—
(90%Imax) 1545.15	—

## lumini

### Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	6188	5923	5678	5429	5053	4634	4098	3409	2618
C45	6188	5923	5678	5429	5053	4634	4098	3409	2618
C90	6188	5923	5678	5429	5053	4634	4098	3409	2618

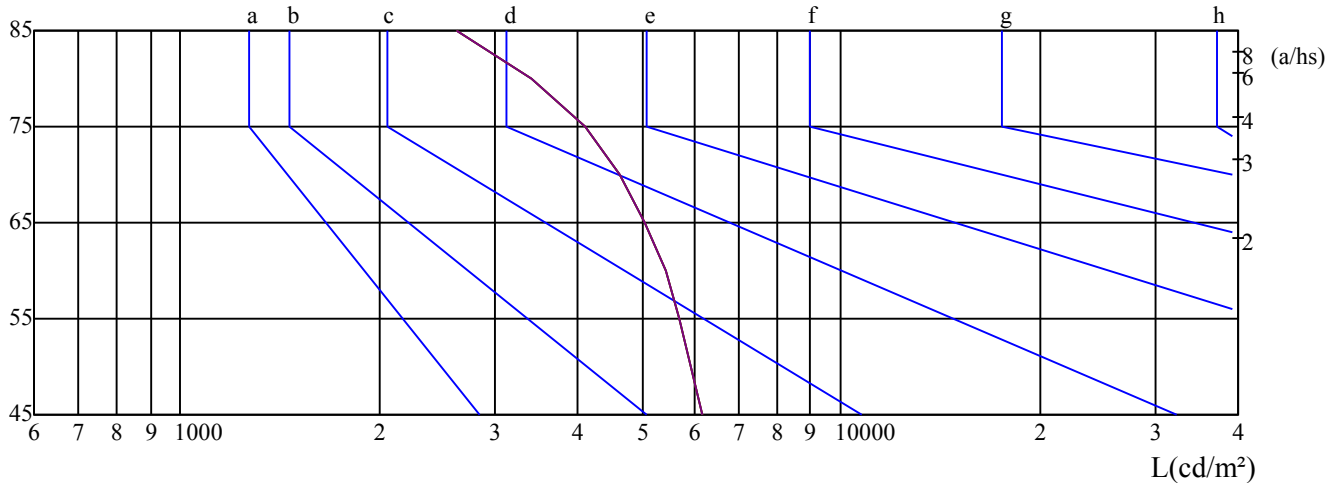
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5053	5053	5053	4098	4098	4098	2618	2618	2618

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 ———

Equipment: equipamento lumini  
Temperature( $^{\circ}\text{C}$ ): 25.0

Date: 09/06/2025  
Humidity(%): 58.0%

Operator: 01  
Distance(m): 6.90

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	18.47	20.02	18.86	20.38	20.74	18.50	20.05	18.89	20.41	20.78
	3H	19.99	21.39	20.40	21.77	22.17	20.04	21.44	20.45	21.82	22.22
	4H	20.51	21.83	20.94	22.22	22.64	20.58	21.90	21.01	22.29	22.71
	6H	20.88	22.10	21.32	22.51	22.96	20.97	22.19	21.41	22.60	23.05
	8H	20.96	22.14	21.41	22.56	23.01	21.07	22.24	21.51	22.66	23.11
	12H	21.00	22.13	21.45	22.55	23.01	21.11	22.24	21.56	22.66	23.12
4H	2H	19.18	20.49	19.60	20.89	21.30	19.20	20.52	19.63	20.91	21.32
	3H	20.85	21.97	21.30	22.40	22.86	20.90	22.01	21.35	22.44	22.90
	4H	21.53	22.52	22.00	22.98	23.46	21.60	22.59	22.06	23.04	23.53
	6H	21.96	22.85	22.46	23.32	23.82	22.05	22.93	22.54	23.41	23.90
	8H	22.11	22.93	22.61	23.42	23.93	22.21	23.03	22.71	23.52	24.03
	12H	22.20	22.96	22.71	23.44	23.99	22.31	23.07	22.82	23.55	24.10
8H	4H	21.78	22.61	22.29	23.09	23.60	21.84	22.67	22.35	23.15	23.66
	6H	22.33	23.02	22.86	23.52	24.07	22.41	23.10	22.93	23.60	24.15
	8H	22.59	23.19	23.14	23.73	24.27	22.69	23.29	23.23	23.83	24.37
	12H	22.73	23.24	23.28	23.78	24.34	22.84	23.35	23.39	23.89	24.45
12H	4H	21.80	22.57	22.31	23.05	23.60	21.86	22.63	22.37	23.10	23.65
	6H	22.43	23.03	22.97	23.57	24.11	22.51	23.11	23.05	23.65	24.19
	8H	22.68	23.18	23.23	23.73	24.28	22.77	23.28	23.33	23.82	24.38
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.5					0.3/-0.5				
S = 1.5H		0.6/-0.7					0.6/-0.7				
S = 2.0H		0.9/-0.9					0.9/-0.9				
Standard tables:		BK3					BK3				
Uncorrected UGR		3.7					3.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25