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## lumini

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LumCAT:

Luminaire: focus sm a dtw e fm

LampCAT: modulo led dtw 12W 27K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7900

Test No:

Current(A): 0.1140

Number of Lamps: 1

Power (W): 14.1610

Lamp flux(lm): 924.0

PF: 0.9760

Length(mm): 55

Width(mm): 55

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 649.02, Efficiency(%): 70.24% , Luminous Efficacy(lm/W): 45.83

Central intensity(cd): 2982.635, Maximum intensity(cd): 2982.635

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

Beam angle of C0 plane : 22.77

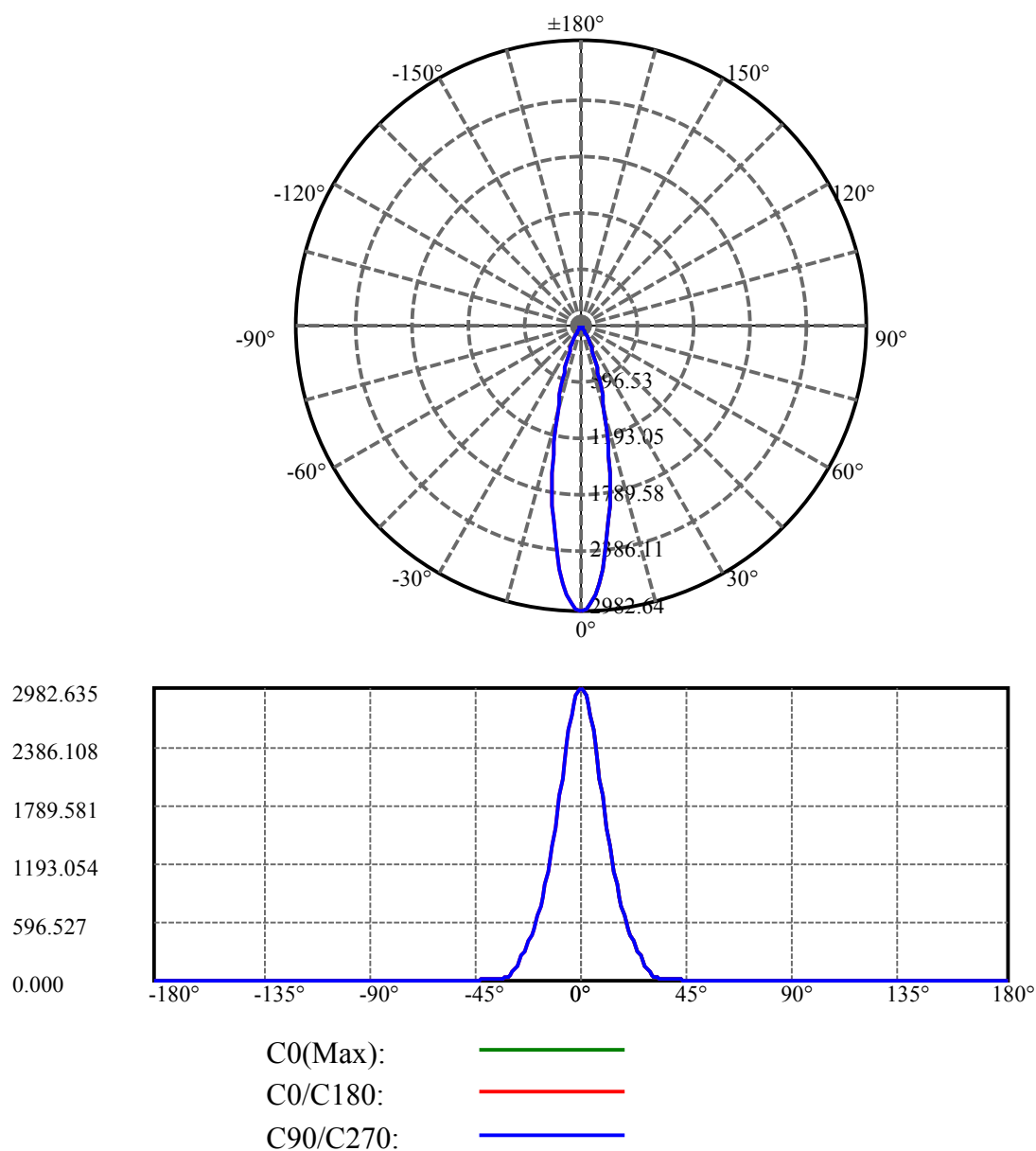
Aveage BeamAngle(IEC 61341):22.77

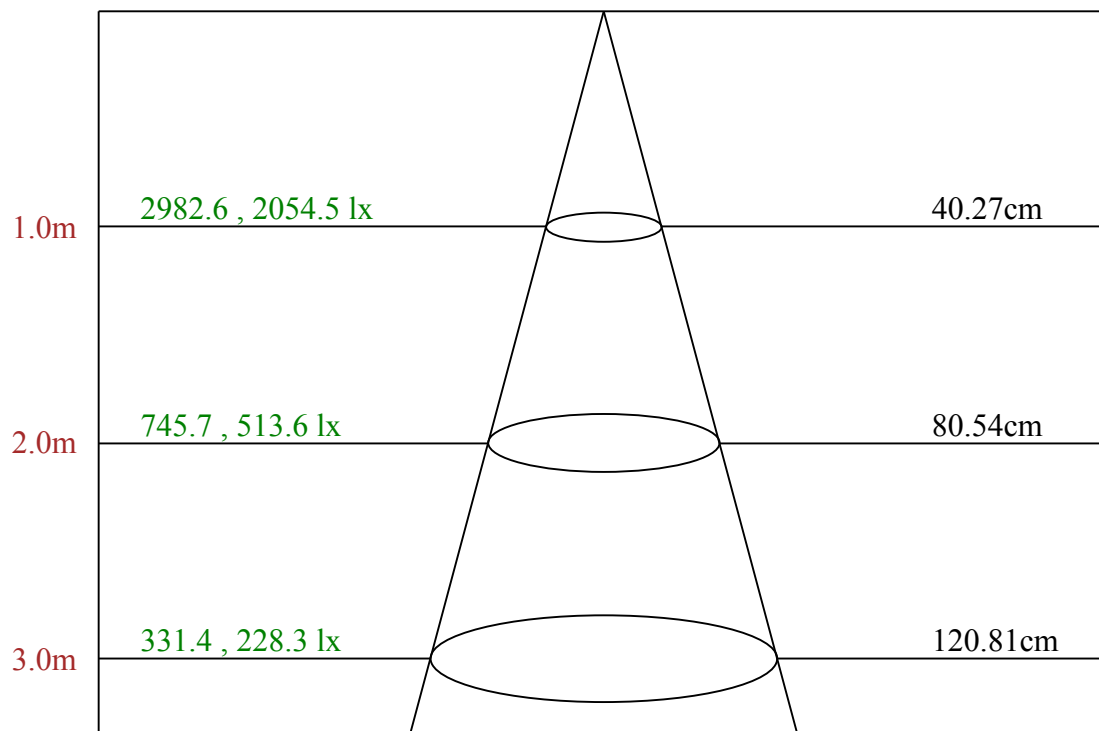
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Equipment: equipamento lumini  
Temperature(°C): 25.0

Date: 29/05/2025  
Humidity(%): 58.0%

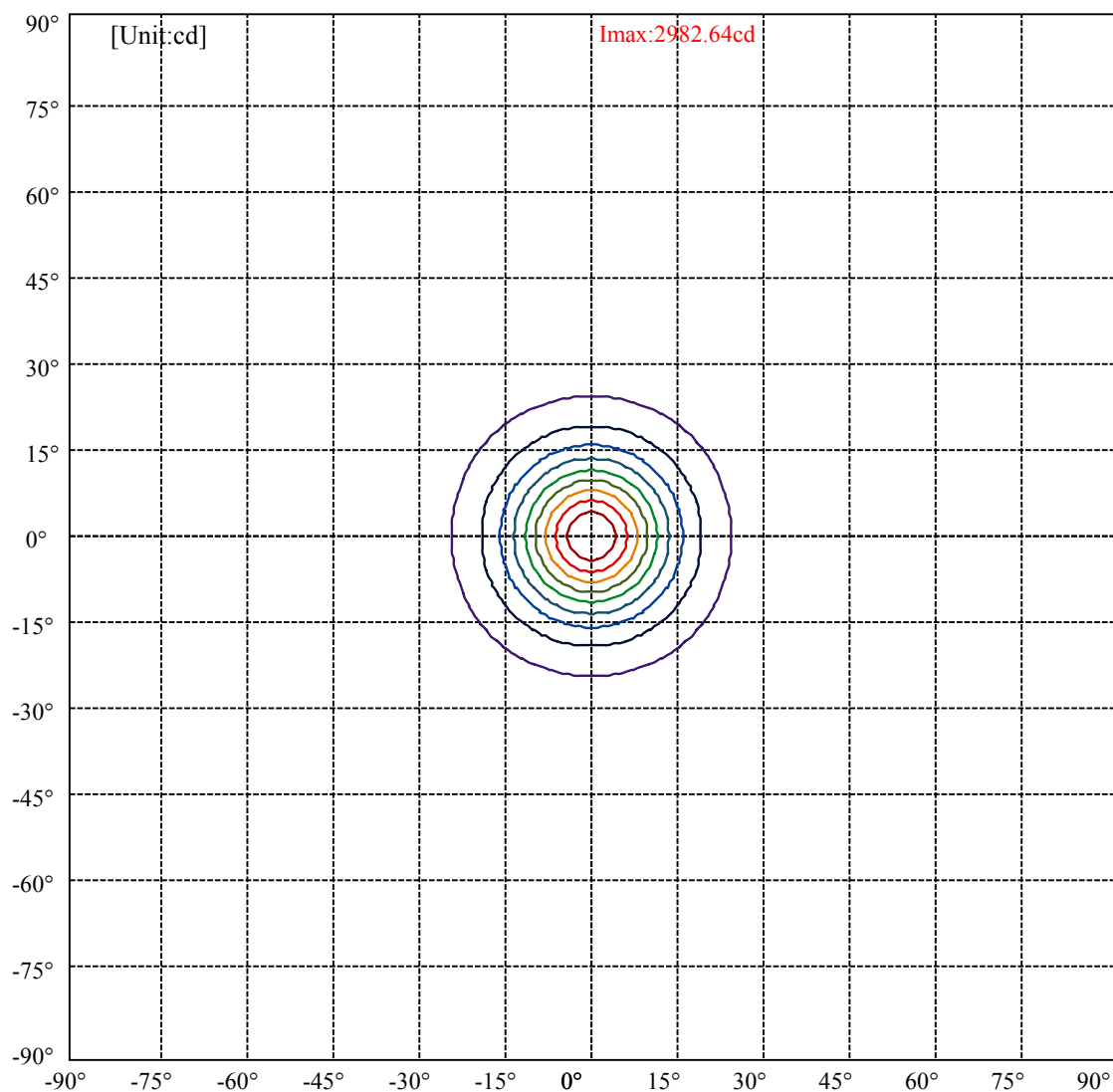
Operator: 01  
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 22.77



(10%Imax) 298.264	—
(20%Imax) 596.527	—
(30%Imax) 894.791	—
(40%Imax) 1193.05	—
(50%Imax) 1491.32	—
(60%Imax) 1789.58	—
(70%Imax) 2087.84	—
(80%Imax) 2386.11	—
(90%Imax) 2684.37	—

# lumini

## Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	3417	2834	2778	2790	2681	2347	2866	4101	7788
C45	3417	2834	2778	2790	2681	2347	2866	4101	7788
C90	3417	2834	2778	2790	2681	2347	2866	4101	7788

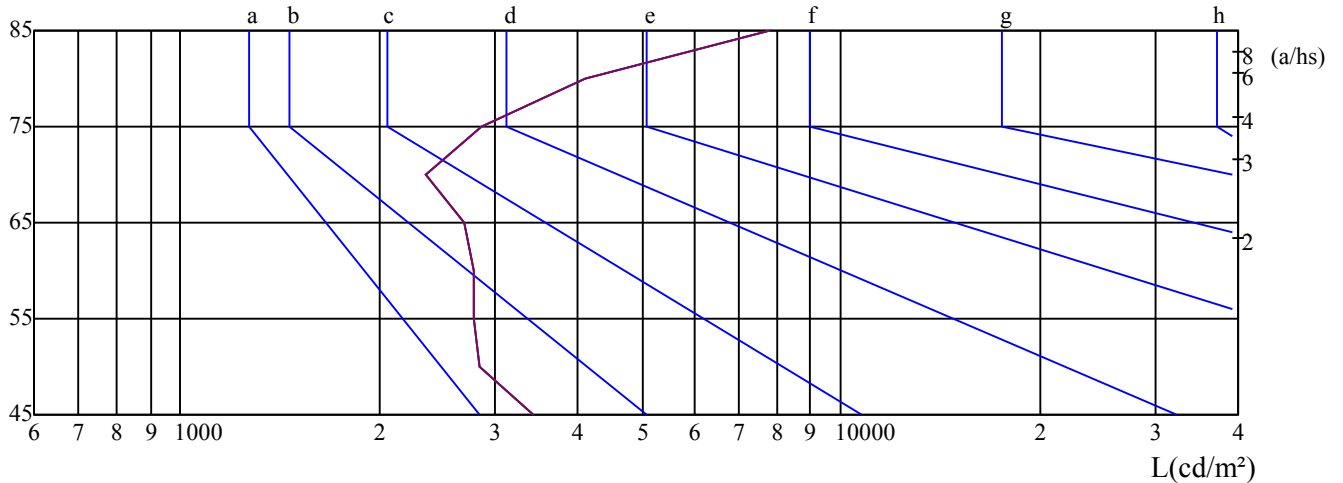
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2681	2681	2681	2866	2866	2866	7788	7788	7788

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( $^{\circ}$ C): 25.0

Date: 29/05/2025  
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	6.80	7.70	7.21	8.06	8.43	7.22	8.12	7.62	8.47	8.84
	3H	7.91	8.71	8.33	9.09	9.49	8.34	9.14	8.77	9.52	9.92
	4H	8.61	9.36	9.05	9.75	10.17	8.96	9.71	9.41	10.10	10.53
	6H	9.67	10.34	10.13	10.77	11.22	9.93	10.60	10.38	11.02	11.48
	8H	10.32	10.97	10.78	11.39	11.85	10.55	11.19	11.01	11.62	12.08
	12H	11.15	11.76	11.61	12.20	12.67	11.35	11.96	11.82	12.40	12.87
4H	2H	7.25	7.99	7.69	8.39	8.81	7.59	8.33	8.03	8.73	9.15
	3H	8.53	9.15	8.99	9.59	10.06	8.87	9.50	9.34	9.94	10.40
	4H	9.49	10.02	9.96	10.49	10.99	9.75	10.29	10.23	10.75	11.25
	6H	10.75	11.22	11.26	11.72	12.22	10.93	11.41	11.44	11.90	12.40
	8H	11.57	12.01	12.09	12.51	13.03	11.73	12.17	12.25	12.67	13.19
	12H	12.58	12.99	13.11	13.48	14.05	12.73	13.13	13.26	13.63	14.19
8H	4H	9.85	10.29	10.37	10.79	11.31	10.07	10.51	10.59	11.01	11.53
	6H	11.42	11.78	11.96	12.30	12.86	11.57	11.93	12.11	12.44	13.00
	8H	12.51	12.81	13.08	13.37	13.91	12.63	12.93	13.20	13.49	14.04
	12H	13.78	14.01	14.36	14.56	15.13	13.90	14.12	14.47	14.68	15.25
12H	4H	9.96	10.37	10.49	10.86	11.43	10.17	10.58	10.70	11.07	11.64
	6H	11.70	12.00	12.27	12.56	13.11	11.84	12.13	12.41	12.69	13.24
	8H	12.87	13.10	13.45	13.65	14.22	12.98	13.21	13.56	13.76	14.33
Variation with the observer position at spacings:											
S = 1.0H		1.0/-0.9					1.0/-0.9				
S = 1.5H		1.2/-1.2					1.2/-1.2				
S = 2.0H		1.4/-0.9					1.4/-0.9				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-3.8					-3.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25