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## lumini

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LumCAT:

Luminaire: micro concentra 8 e fm

LampCAT: modulo led 8W 30K irc 90

Ballast type: LED driver 700mA

Report No:

Voltage(V): 127.7600

Test No:

Current(A): 0.0770

Number of Lamps: 1

Power (W): 9.4180

Lamp flux(lm): 776.0

PF: 0.9610

Length(mm): 53

Width(mm): 15

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 267.90, Efficiency(%): 34.52% , Luminous Efficacy(lm/W): 28.45

Central intensity(cd): 832.604, Maximum intensity(cd): 832.604

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

Beam angle of C0 plane : 30.20

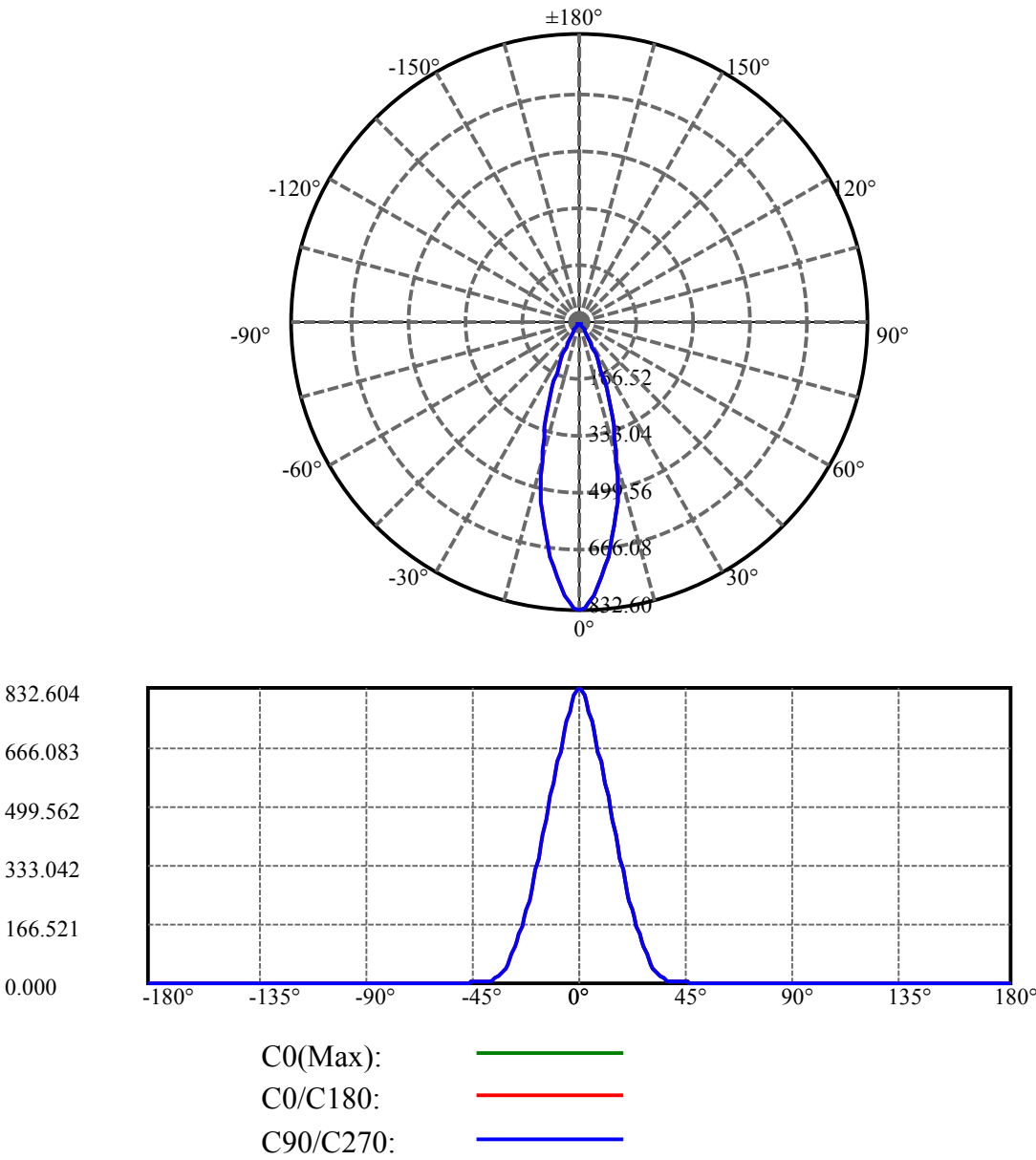
Aveage BeamAngle(IEC 61341):30.20

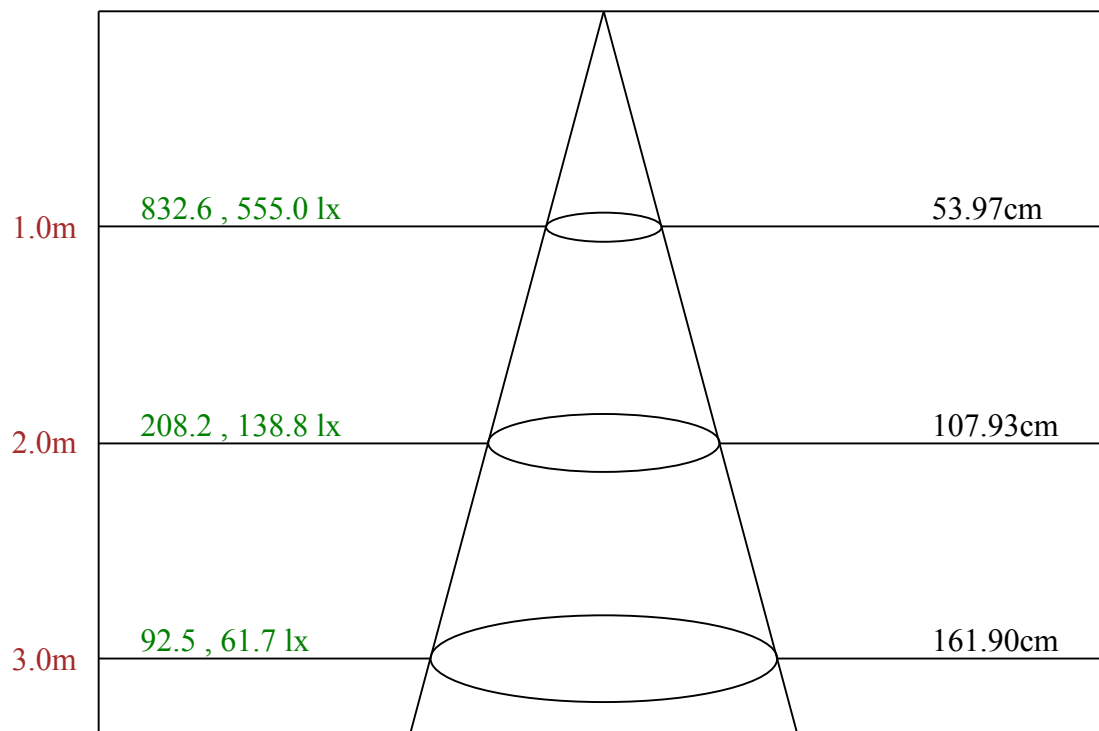
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Equipment: equipamento lumini  
Temperature(°C): 25.5

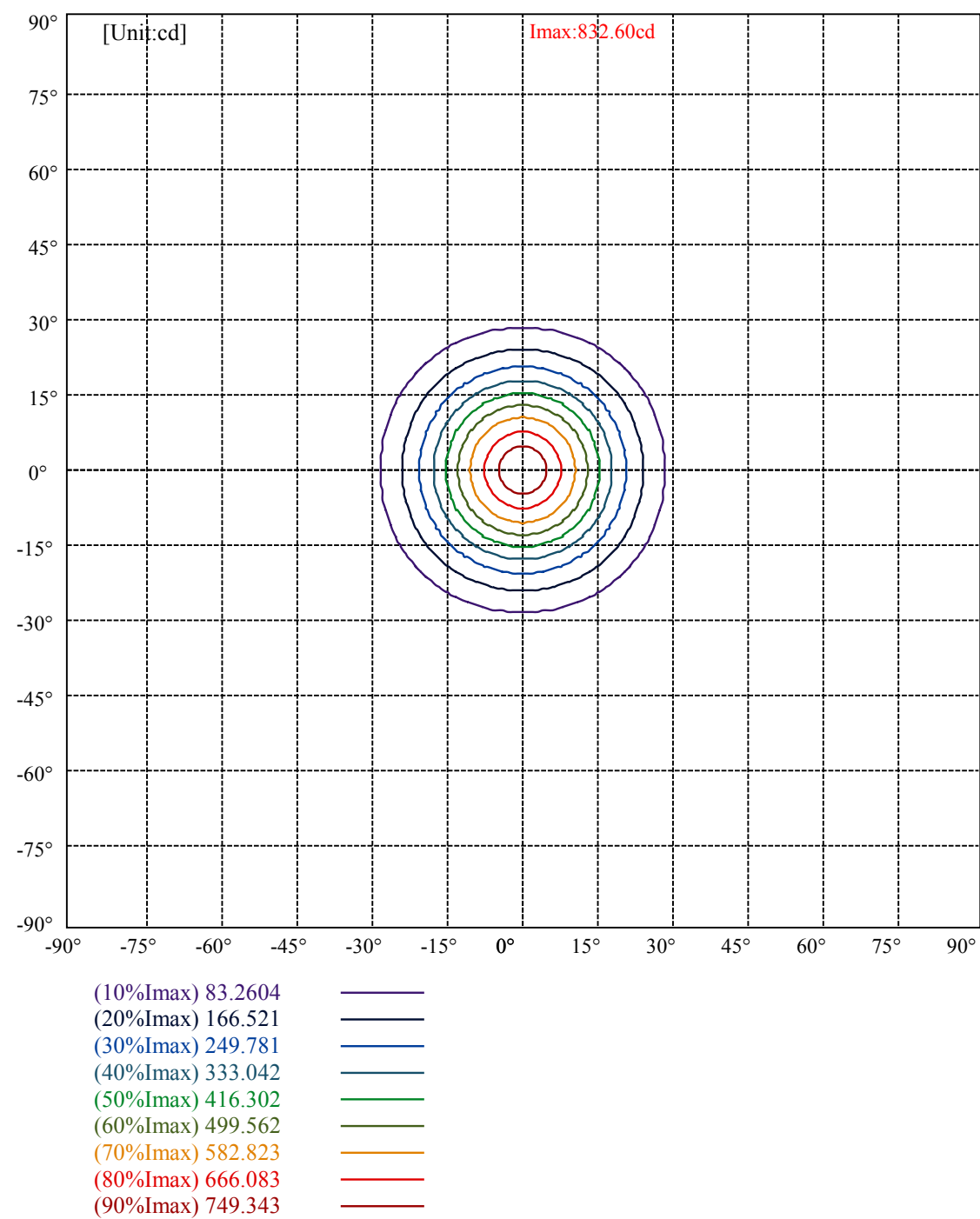
Date: 27/03/2025  
Humidity(%): 60.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 30.20



## lumini

### Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	4648	4169	3628	3339	3259	3349	3962	5604	11166
C45	4648	4169	3628	3339	3259	3349	3962	5604	11166
C90	4648	4169	3628	3339	3259	3349	3962	5604	11166

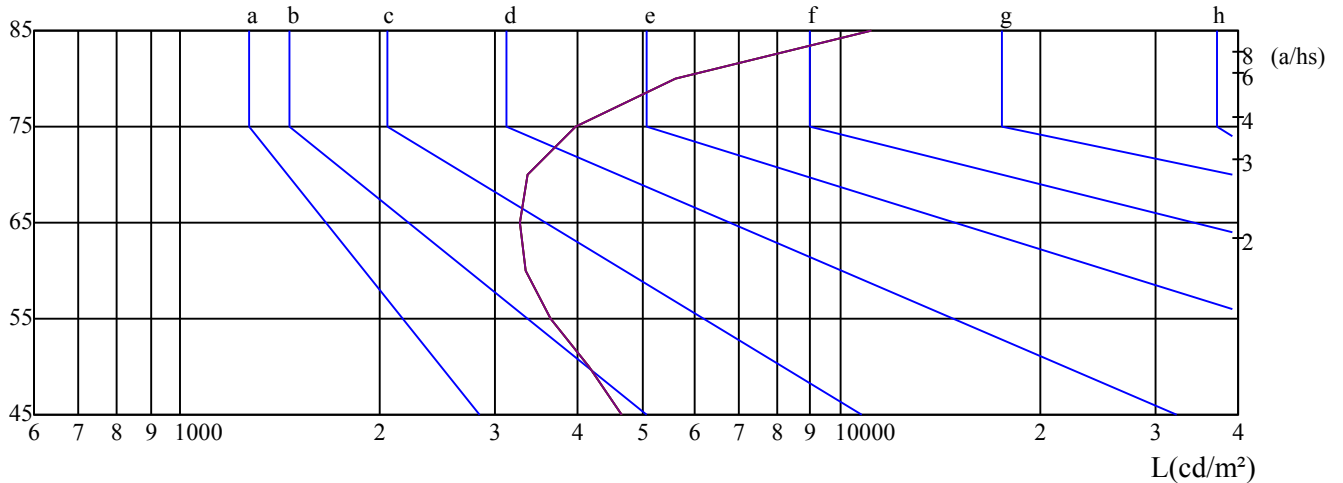
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
3259	3259	3259	3962	3962	3962	11166	11166	11166

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( $^{\circ}\text{C}$ ): 25.5

Date: 27/03/2025  
Humidity(%): 60.0%

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	11.05	11.95	11.46	12.30	12.67	10.85	11.74	11.25	12.10	12.47
	3H	11.35	12.14	11.77	12.52	12.92	11.19	11.98	11.61	12.36	12.76
	4H	11.63	12.36	12.07	12.76	13.18	11.49	12.23	11.93	12.63	13.04
	6H	12.17	12.84	12.62	13.26	13.70	12.05	12.73	12.51	13.14	13.59
	8H	12.56	13.20	13.02	13.63	14.08	12.46	13.10	12.92	13.53	13.99
	12H	13.13	13.74	13.60	14.18	14.64	13.11	13.71	13.57	14.15	14.62
4H	2H	10.94	11.68	11.38	12.08	12.49	10.75	11.49	11.19	11.88	12.30
	3H	11.41	12.03	11.87	12.47	12.93	11.27	11.89	11.73	12.32	12.79
	4H	11.90	12.44	12.38	12.90	13.39	11.80	12.34	12.28	12.80	13.30
	6H	12.67	13.15	13.18	13.64	14.14	12.59	13.06	13.10	13.56	14.05
	8H	13.28	13.72	13.80	14.21	14.73	13.21	13.65	13.73	14.14	14.67
	12H	14.11	14.51	14.63	15.00	15.57	14.12	14.52	14.65	15.01	15.58
8H	4H	12.04	12.47	12.56	12.97	13.49	11.95	12.39	12.47	12.88	13.41
	6H	13.11	13.46	13.65	13.98	14.54	13.04	13.39	13.58	13.91	14.47
	8H	13.98	14.27	14.55	14.83	15.37	13.92	14.22	14.49	14.77	15.32
	12H	15.08	15.31	15.66	15.86	16.43	15.13	15.35	15.70	15.90	16.47
12H	4H	12.09	12.49	12.62	12.98	13.55	12.01	12.41	12.54	12.90	13.47
	6H	13.32	13.62	13.89	14.17	14.72	13.25	13.55	13.82	14.11	14.65
	8H	14.26	14.49	14.84	15.04	15.61	14.21	14.44	14.79	14.99	15.56
Variation with the observer position at spacings:											
S = 1.0H		4.5/-2.7					4.5/-2.7				
S = 1.5H		5.7/-2.0					5.7/-2.0				
S = 2.0H		6.5/-1.6					6.5/-1.6				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-1.7					-1.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25