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## lumini

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LumCAT:

Luminaire: big circus flat c

LampCAT: modulo 31.5W 3000K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.2600

Number of Lamps: 1

Power (W): 34.2000

Lamp flux(lm): 4430.0

PF: 0.9800

Length(mm): 470

Width(mm): 470

Phm Type: C

Height(mm): 0

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## Photometric Results

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Lumens(lm): 2665.53, Efficiency(%): 60.17% , Luminous Efficacy(lm/W): 77.94

Central intensity(cd): 1222.994, Maximum intensity(cd): 1222.994

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

Beam angle of C0 plane : 88.59

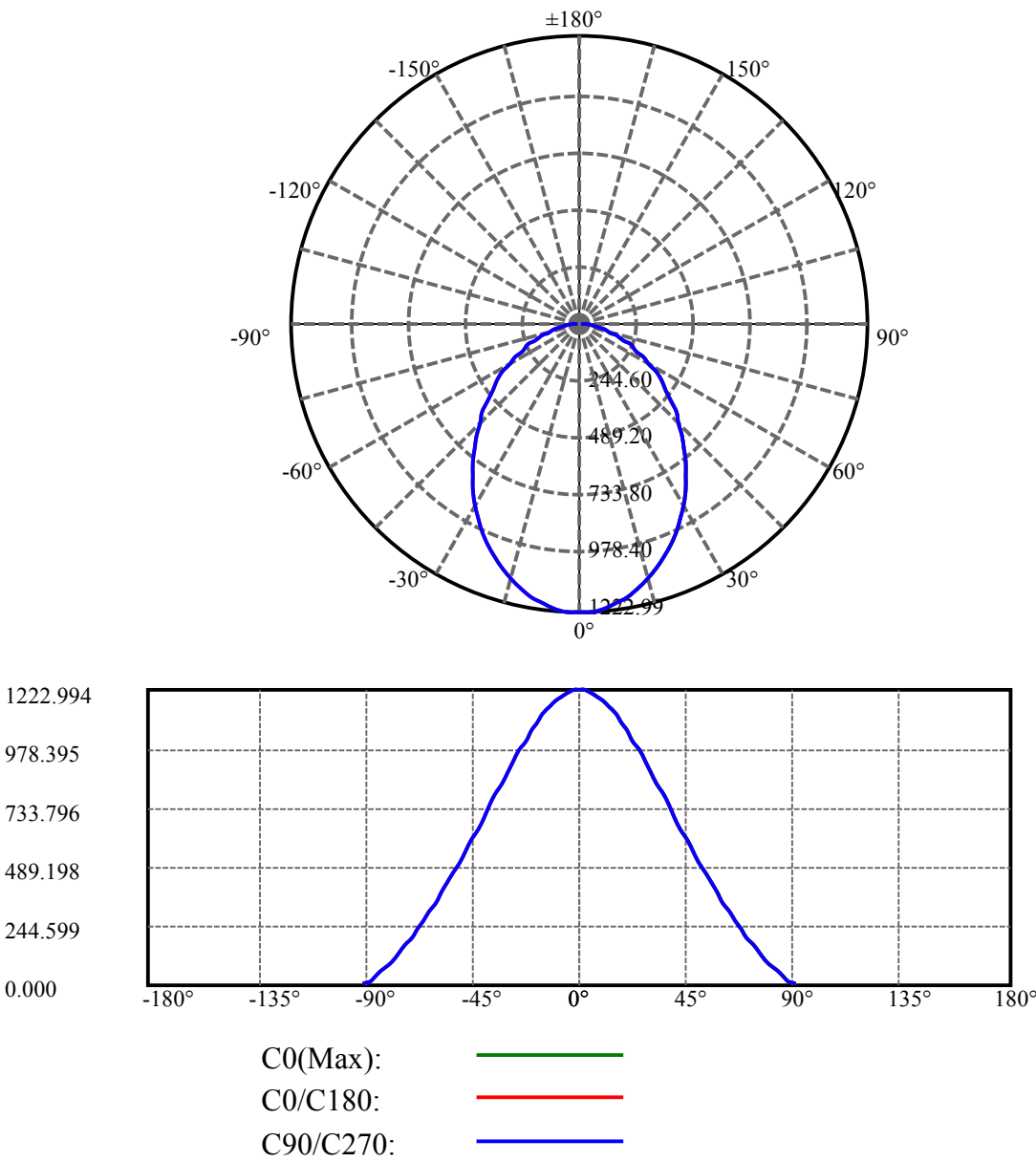
Average BeamAngle(IEC 61341): 88.59

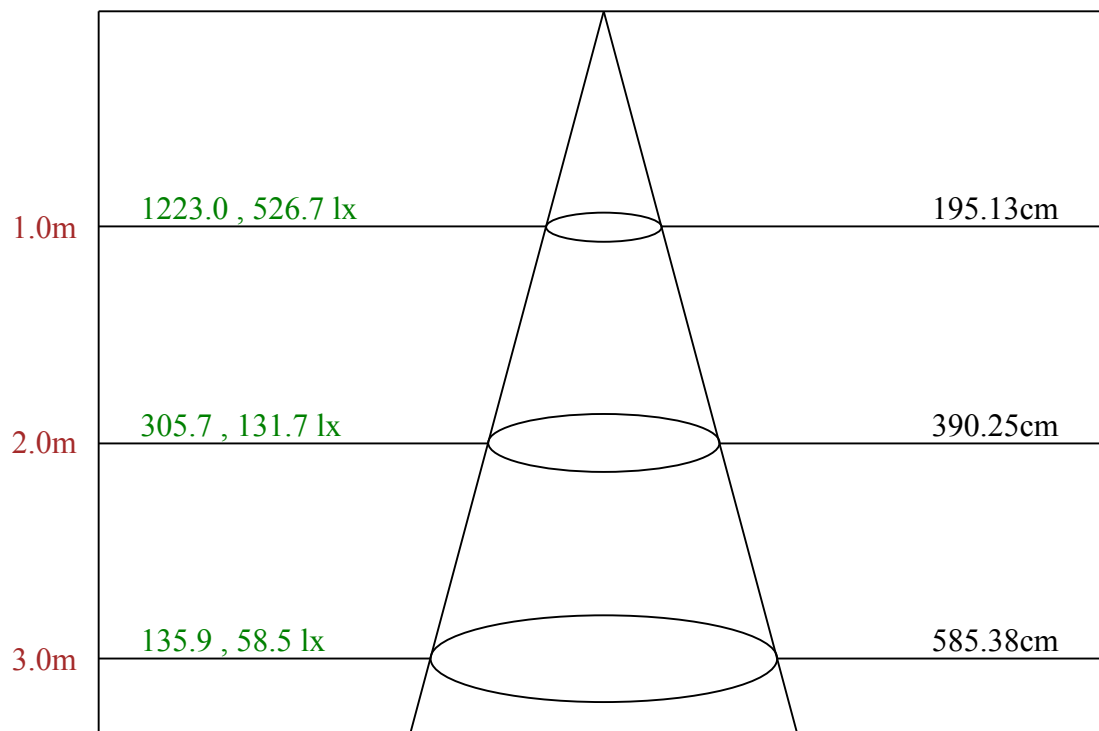
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Equipment: equipamento lumini  
Temperature(°C): 25.5

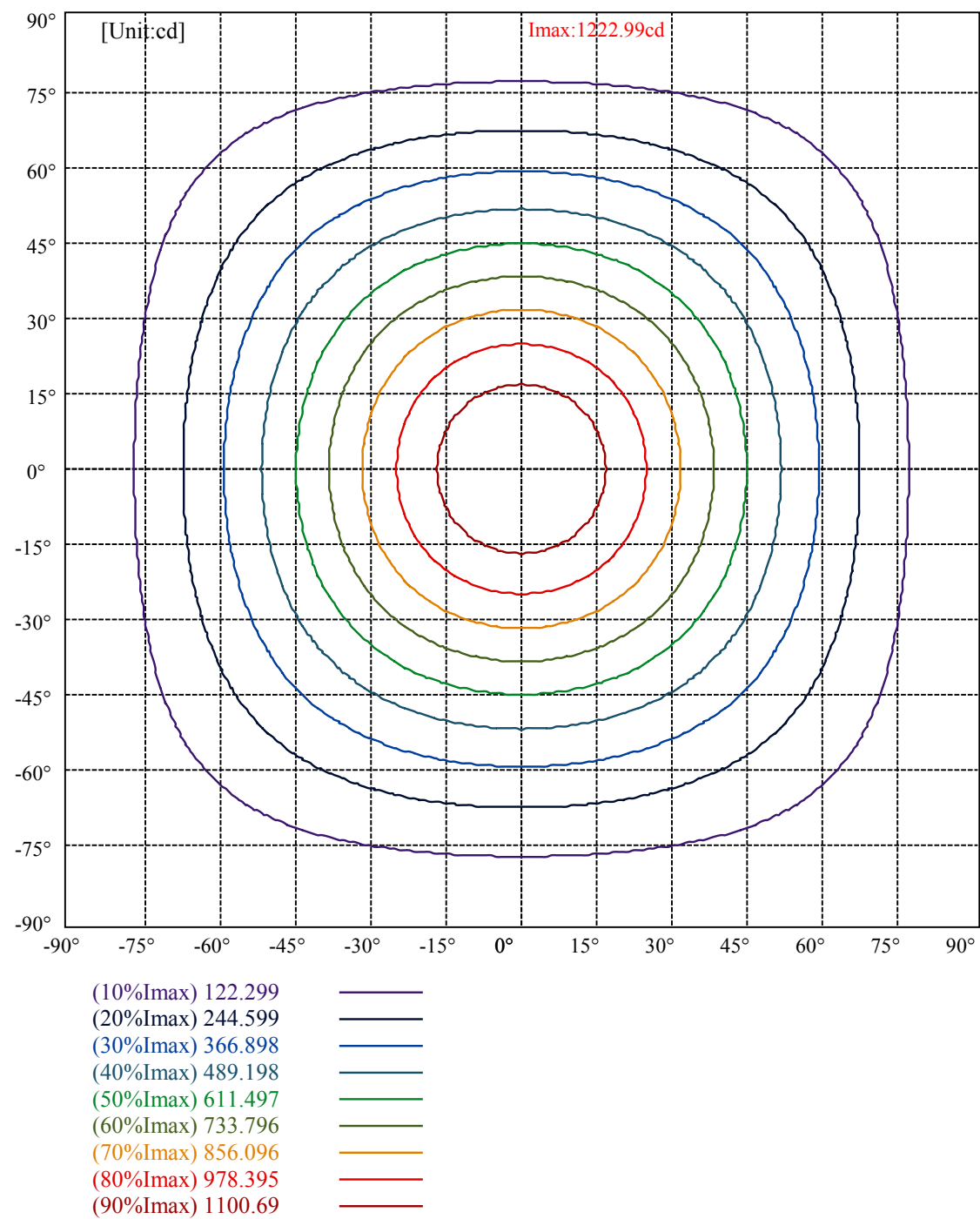
Date: 5/16/2024  
Humidity(%): 55.0%

Operator: 01  
Distance(m): 6.90





Max , Ave      Beam angle of C0 plane 88.59



# lumini

## Luminance Limiting Curve(no luminous side)

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Luminance Table

$\gamma$	45	50	55	60	65	70	75	80	85
C0	3837	3591	3348	3110	2865	2605	2384	2209	1802
C45	3837	3591	3348	3110	2865	2605	2384	2209	1802
C90	3837	3591	3348	3110	2865	2605	2384	2209	1802

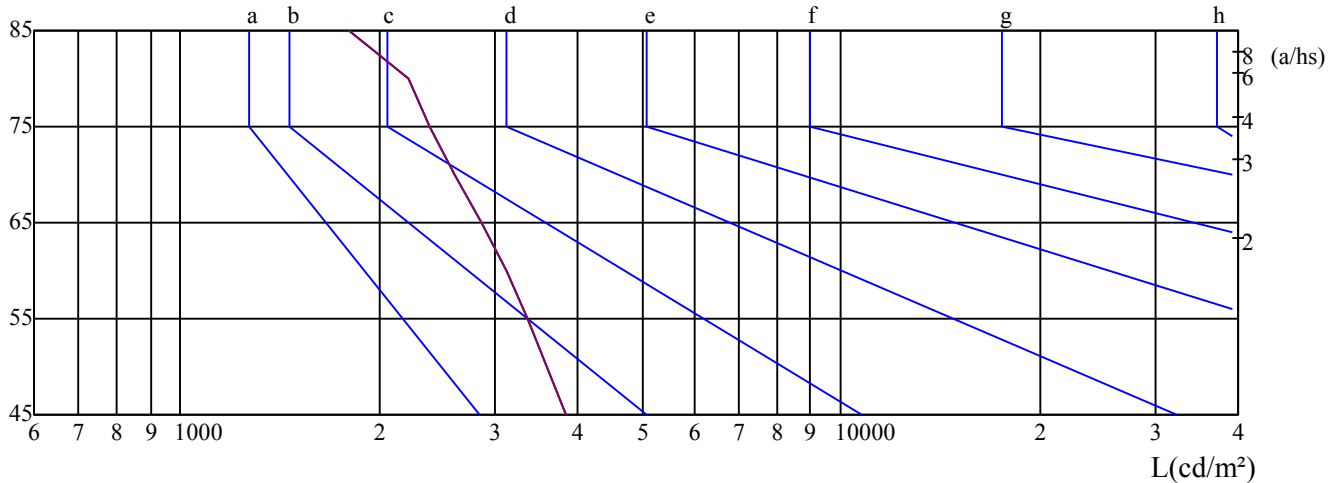
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2865	2865	2865	2384	2384	2384	1802	1802	1802

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: 5/16/2024  
Humidity(%): 55.0%

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	16.86	18.42	17.22	18.73	19.05	16.90	18.46	17.26	18.77	19.09
	3H	18.27	19.68	18.65	20.01	20.35	18.33	19.74	18.71	20.07	20.41
	4H	18.79	20.11	19.18	20.46	20.82	18.87	20.19	19.26	20.54	20.90
	6H	19.22	20.44	19.62	20.81	21.20	19.32	20.55	19.73	20.92	21.31
	8H	19.36	20.54	19.77	20.91	21.31	19.48	20.66	19.89	21.03	21.43
	12H	19.45	20.58	19.86	20.96	21.37	19.57	20.71	19.99	21.09	21.50
4H	2H	17.53	18.85	17.92	19.20	19.56	17.56	18.88	17.95	19.23	19.59
	3H	19.10	20.22	19.52	20.60	21.01	19.15	20.27	19.57	20.66	21.07
	4H	19.79	20.78	20.22	21.20	21.63	19.87	20.86	20.30	21.27	21.71
	6H	20.30	21.18	20.76	21.62	22.07	20.40	21.29	20.86	21.73	22.17
	8H	20.53	21.35	21.00	21.80	22.26	20.64	21.46	21.11	21.91	22.37
	12H	20.69	21.45	21.16	21.89	22.39	20.81	21.58	21.29	22.02	22.52
8H	4H	20.07	20.89	20.54	21.34	21.80	20.13	20.96	20.61	21.40	21.86
	6H	20.72	21.41	21.21	21.88	22.38	20.82	21.51	21.31	21.97	22.47
	8H	21.09	21.69	21.60	22.20	22.69	21.20	21.80	21.71	22.31	22.79
	12H	21.33	21.84	21.86	22.35	22.86	21.45	21.96	21.98	22.47	22.98
12H	4H	20.10	20.86	20.57	21.30	21.81	20.16	20.93	20.64	21.37	21.87
	6H	20.85	21.45	21.36	21.96	22.45	20.94	21.54	21.45	22.05	22.54
	8H	21.23	21.73	21.75	22.24	22.75	21.33	21.84	21.85	22.34	22.85
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.5					0.3/-0.5				
S = 1.5H		0.6/-0.8					0.6/-0.8				
S = 2.0H		1.0/-1.0					1.0/-1.0				
Standard tables:		BK3					BK3				
Uncorrected UGR		1.7					1.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25