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LumCAT:

Luminaire: fina w

LampCAT: modulo led tr 24W 2700K irc 90

Ballast type:

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.2140

Number of Lamps: 1

Power (W): 25.1900

Lamp flux(lm): 2400.0

PF: 0.9200

Length(mm): 100

Width(mm): 230

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1983.43, Efficiency(%): 82.64% , Luminous Efficacy(lm/W): 78.74

Central intensity(cd): 776.079, Maximum intensity(cd): 776.079

Angle of maximum intensity: C=0.0 γ =0.0

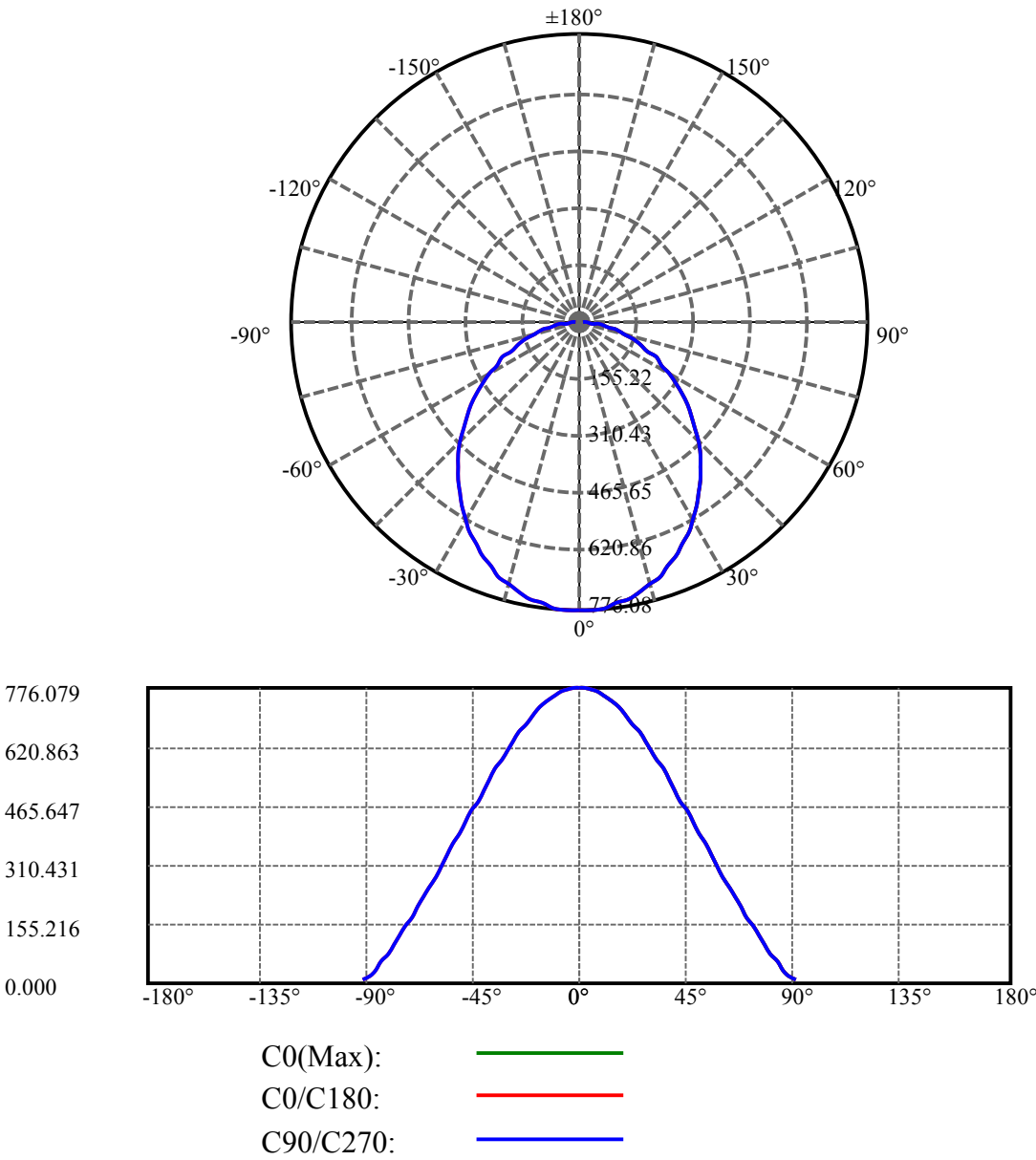
Beam angle of C0 plane : 100.90

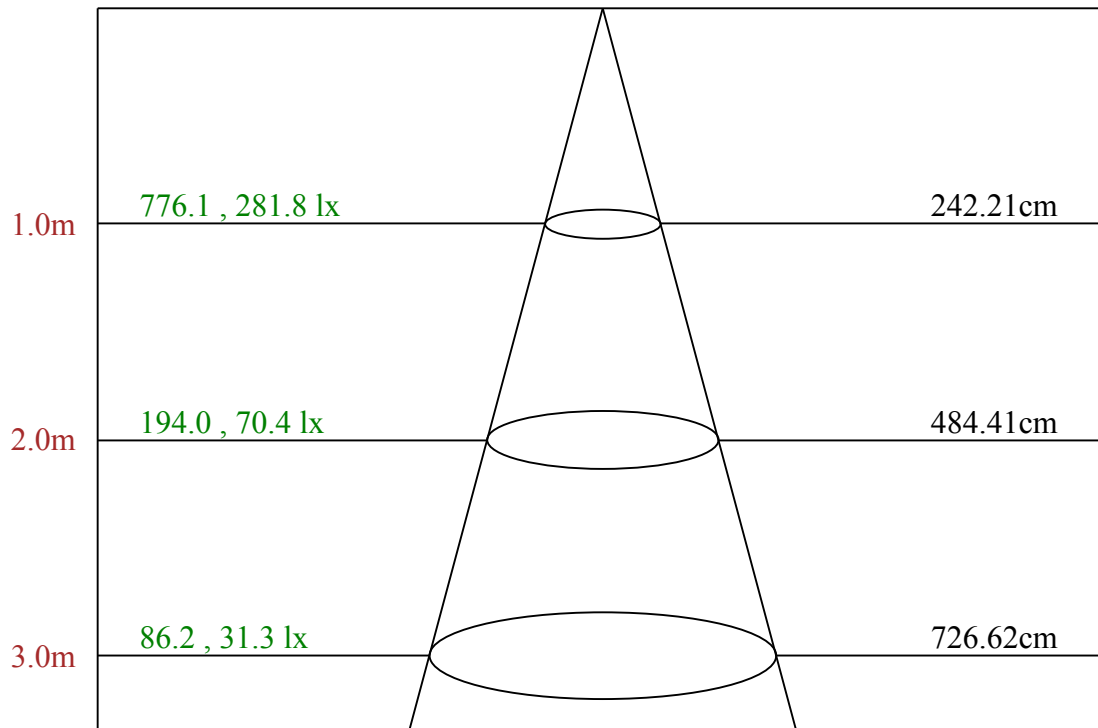
Aveage BeamAngle(IEC 61341):100.90

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 5/17/2024
Humidity(%): 55.0%

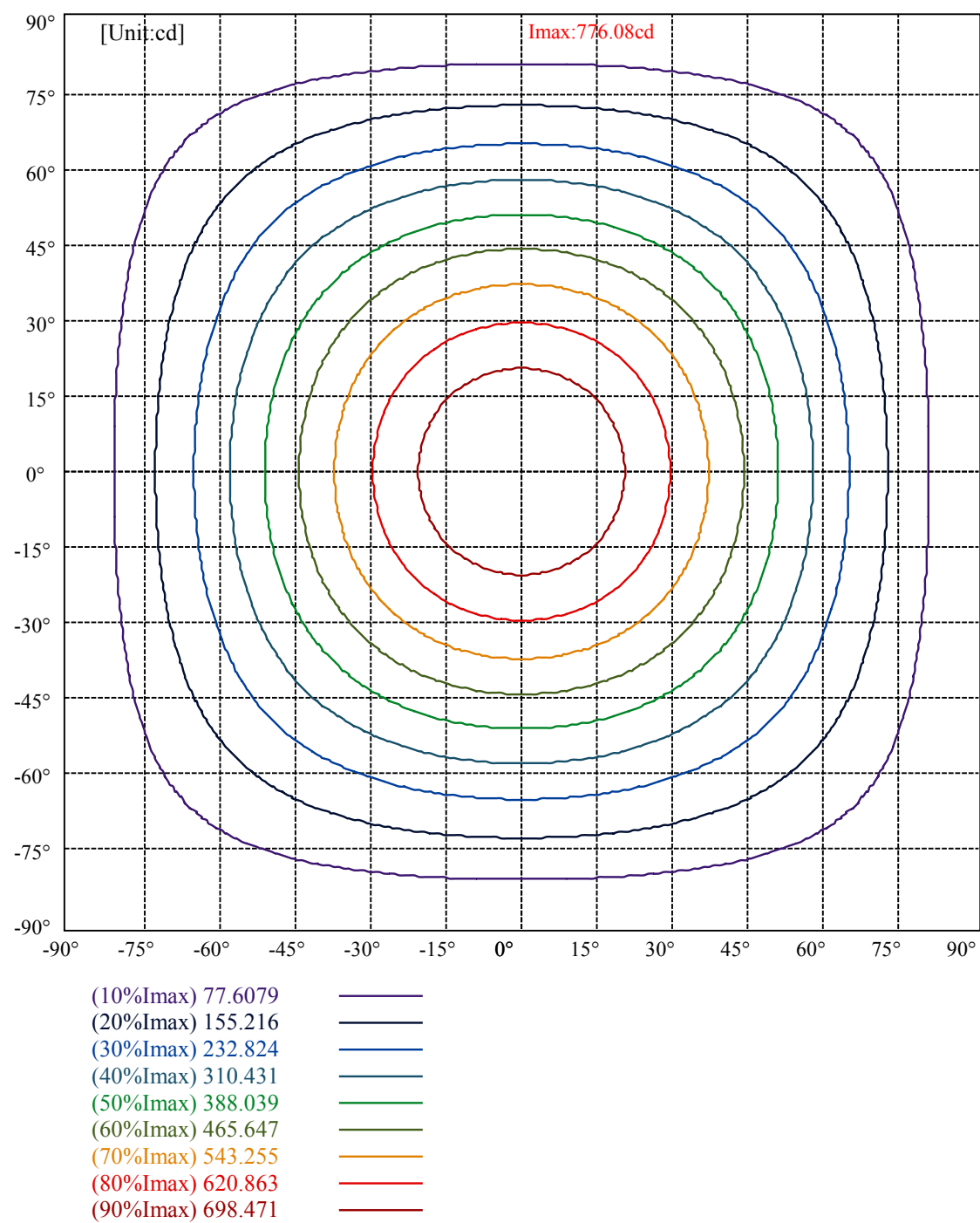
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 100.90



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	27760	26647	25510	24384	23293	22173	21152	19703	16572
C45	27760	26647	25510	24384	23293	22173	21152	19703	16572
C90	27760	26647	25510	24384	23293	22173	21152	19703	16572

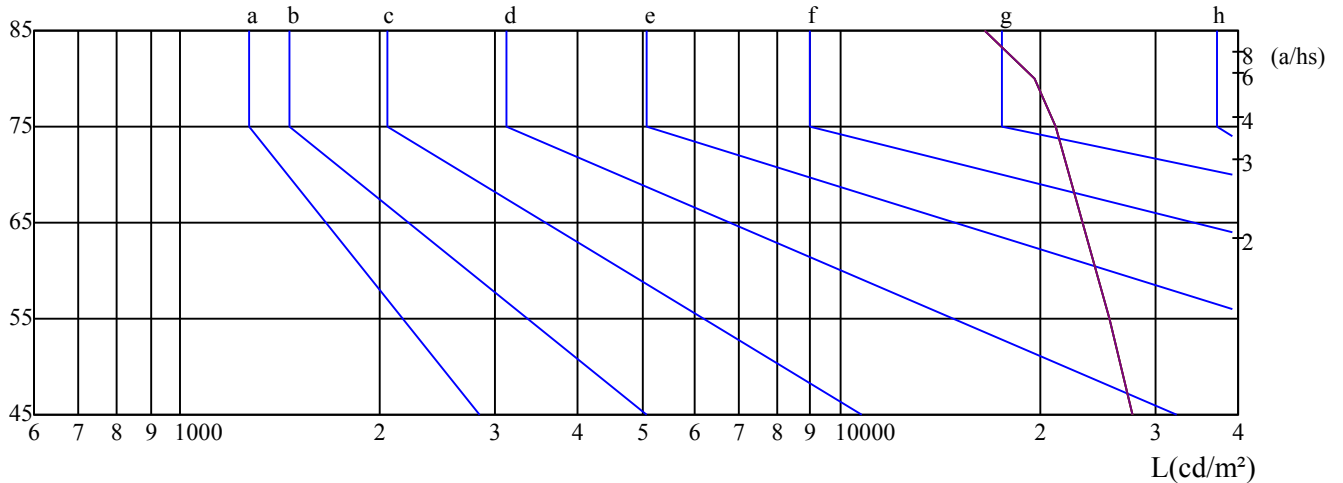
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
23293	23293	23293	21152	21152	21152	16572	16572	16572

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 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: 5/17/2024
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	24.20	25.81	24.56	26.13	26.44	24.08	25.69	24.43	26.00	26.32
	3H	25.93	27.39	26.31	27.73	28.07	25.76	27.22	26.14	27.56	27.90
	4H	26.65	28.03	27.04	28.38	28.74	26.46	27.83	26.85	28.18	28.54
	6H	27.28	28.56	27.69	28.93	29.32	27.07	28.35	27.48	28.72	29.11
	8H	27.52	28.76	27.93	29.13	29.53	27.29	28.53	27.70	28.90	29.30
	12H	27.71	28.90	28.13	29.28	29.69	27.47	28.66	27.89	29.04	29.45
4H	2H	24.94	26.32	25.34	26.67	27.03	24.85	26.22	25.24	26.57	26.93
	3H	26.85	28.03	27.27	28.41	28.82	26.72	27.89	27.13	28.27	28.68
	4H	27.77	28.81	28.20	29.23	29.66	27.61	28.65	28.04	29.06	29.50
	6H	28.51	29.44	28.97	29.88	30.32	28.33	29.26	28.79	29.70	30.14
	8H	28.85	29.72	29.31	30.16	30.62	28.64	29.51	29.11	29.96	30.42
	12H	29.12	29.93	29.60	30.37	30.87	28.91	29.71	29.38	30.15	30.65
8H	4H	28.14	29.01	28.61	29.45	29.91	28.00	28.87	28.47	29.31	29.77
	6H	29.06	29.79	29.55	30.25	30.75	28.90	29.63	29.39	30.09	30.59
	8H	29.56	30.19	30.07	30.70	31.19	29.38	30.01	29.89	30.52	31.01
	12H	29.94	30.48	30.46	30.99	31.50	29.75	30.29	30.27	30.80	31.30
12H	4H	28.19	29.00	28.67	29.44	29.94	28.06	28.87	28.53	29.30	29.80
	6H	29.22	29.86	29.73	30.37	30.85	29.07	29.71	29.58	30.22	30.70
	8H	29.74	30.28	30.26	30.79	31.29	29.57	30.11	30.09	30.62	31.12
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.6					0.2/-0.6				
S = 1.5H		0.6/-0.7					0.6/-0.7				
S = 2.0H		0.7/-0.8					0.7/-0.8				
Standard tables:		BK4					BK4				
Uncorrected UGR		9.9					9.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25