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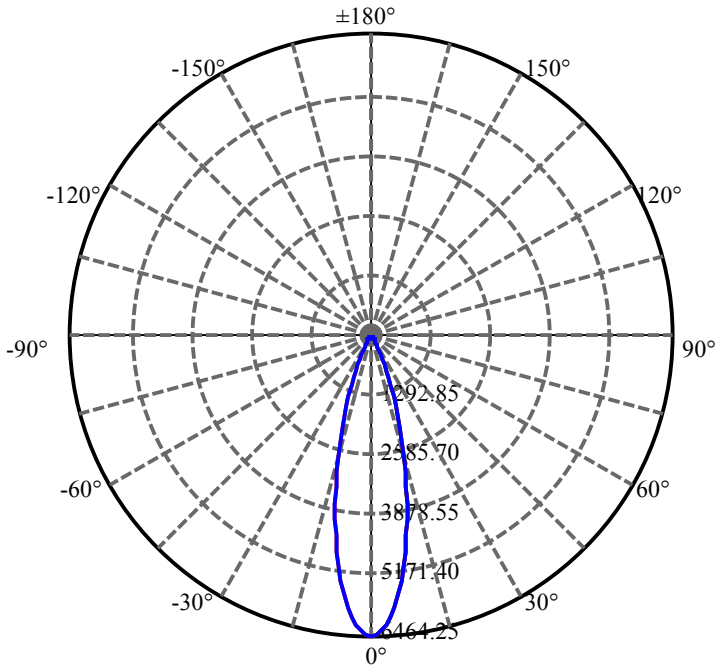
LumCAT:
Luminaire: mini frame concentra 50 serie 3 e fm
LampCAT: modulo led 18W 30K irc 90
Ballast type: led driver 700mA

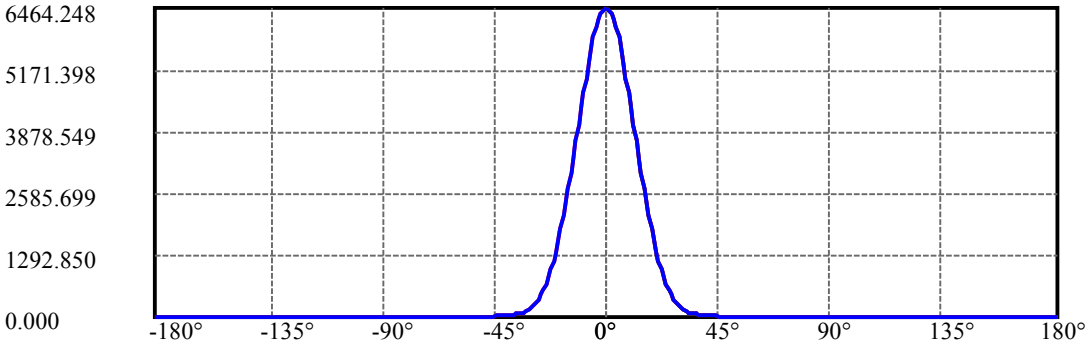
Report No:	Voltage(V): 127.7400
Test No:	Current(A): 0.1580
Number of Lamps: 1	Power (W): 19.9040
Lamp flux(lm): 2145.0	PF: 0.9890
Length(mm): 468	Width(mm): 17
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 1644.28, Efficiency(%): 76.66% , Luminous Efficacy(lm/W): 82.61
Central intensity(cd): 6464.248, Maximum intensity(cd): 6464.248
Angle of maximum intensity: C=0.0 γ=0.0
Beam angle of C0 plane : 26.67
Aveage BeamAngle(IEC 61341):26.67

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

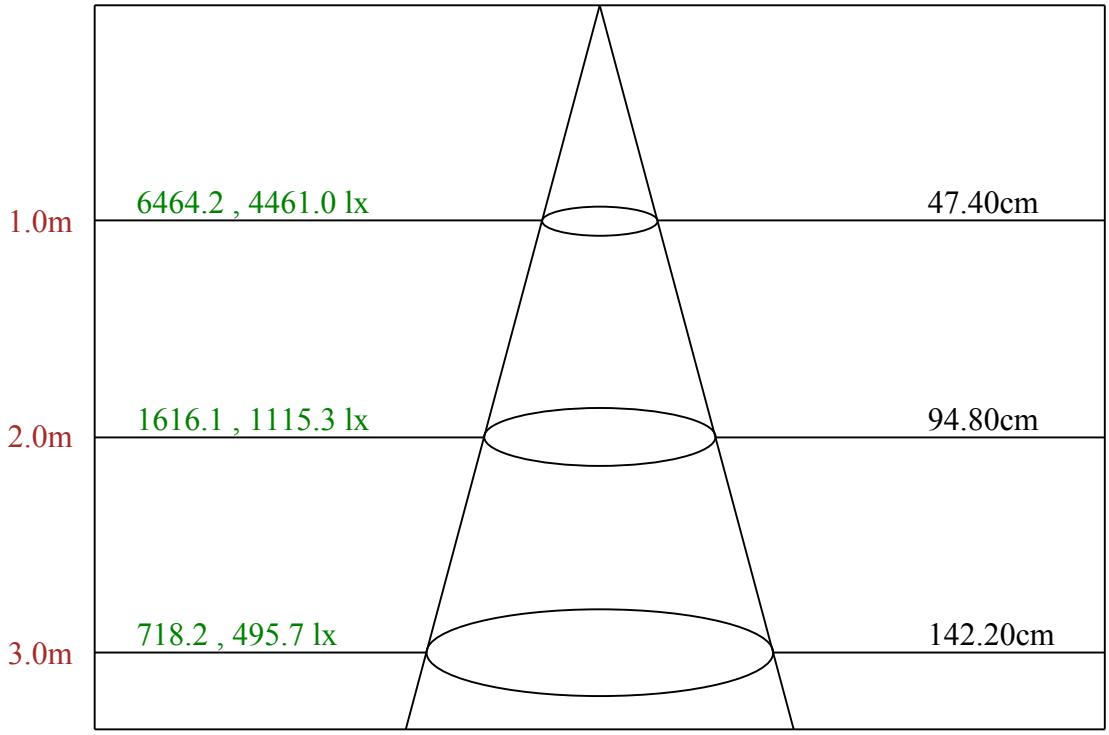
C90/C270:

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 17/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90

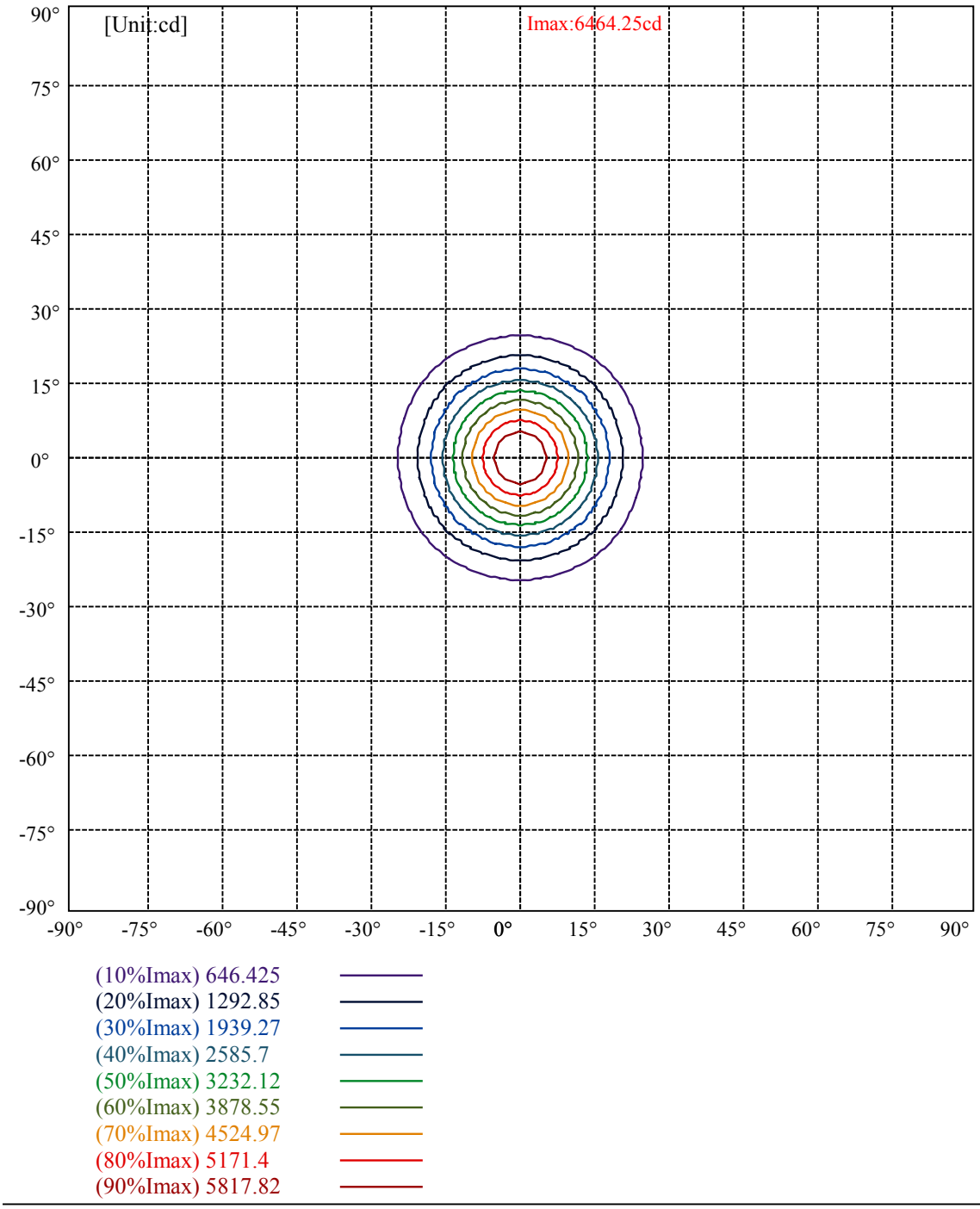
Lux distance Curve



Max , Ave

Beam angle of C0 plane 26.67

ISO-Intensity(V-H)



Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 17/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

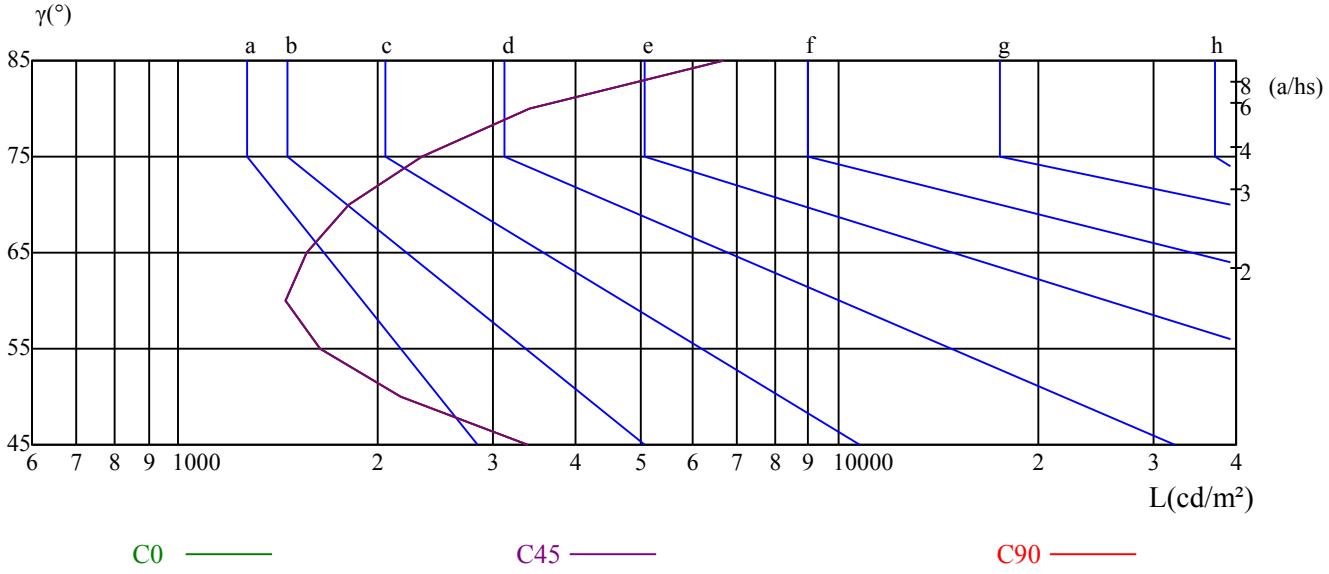
γ	45	50	55	60	65	70	75	80	85
C0	3386	2176	1643	1456	1559	1813	2329	3407	6712
C45	3386	2176	1643	1456	1559	1813	2329	3407	6712
C90	3386	2176	1643	1456	1559	1813	2329	3407	6712

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1559	1559	1559	2329	2329	2329	6712	6712	6712

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 Limitting Curve



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	8.37	9.26	8.77	9.61	9.98	9.14	10.03	9.54	10.39	10.75
	3H	8.68	9.47	9.10	9.85	10.24	9.35	10.15	9.78	10.52	10.92
	4H	9.05	9.78	9.48	10.18	10.59	9.64	10.37	10.08	10.77	11.18
	6H	9.75	10.42	10.20	10.83	11.28	10.22	10.89	10.67	11.30	11.75
	8H	10.25	10.89	10.71	11.32	11.77	10.65	11.29	11.10	11.71	12.17
	12H	10.95	11.56	11.42	11.99	12.46	11.26	11.87	11.72	12.30	12.77
4H	2H	8.24	8.97	8.67	9.37	9.78	8.97	9.70	9.41	10.10	10.51
	3H	8.74	9.36	9.20	9.79	10.25	9.34	9.96	9.80	10.39	10.86
	4H	9.37	9.91	9.85	10.37	10.86	9.86	10.40	10.34	10.86	11.35
	6H	10.35	10.82	10.86	11.31	11.81	10.70	11.17	11.21	11.66	12.16
	8H	11.09	11.52	11.61	12.02	12.54	11.36	11.79	11.88	12.29	12.81
	12H	12.05	12.45	12.57	12.94	13.50	12.24	12.64	12.76	13.13	13.69
8H	4H	9.58	10.02	10.10	10.51	11.03	10.02	10.46	10.54	10.95	11.47
	6H	10.87	11.22	11.41	11.74	12.30	11.15	11.51	11.69	12.02	12.58
	8H	11.88	12.17	12.45	12.73	13.27	12.08	12.38	12.65	12.93	13.48
	12H	13.12	13.34	13.69	13.89	14.46	13.24	13.47	13.82	14.02	14.59
12H	4H	9.66	10.06	10.18	10.55	11.11	10.08	10.48	10.61	10.97	11.54
	6H	11.11	11.40	11.67	11.96	12.50	11.37	11.67	11.94	12.22	12.76
	8H	12.20	12.42	12.77	12.97	13.54	12.38	12.60	12.95	13.15	13.72

Variation with the observer position at spacings:		
S = 1.0H	3.0/-2.0	3.0/-2.0
S = 1.5H	3.7/-1.7	3.7/-1.7
S = 2.0H	4.2/-1.5	4.2/-1.5
Standard tables:	BKBF	BKBF
Uncorrected UGR	-4.7	-4.7

依据CIE Publ. 117 计算 UGR，S/H = 0.25