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LumCAT:

Luminaire: concentra flex 50 c serie 3 fm

LampCAT: 3x modulo led 6W 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): 550

Width(mm): 40

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

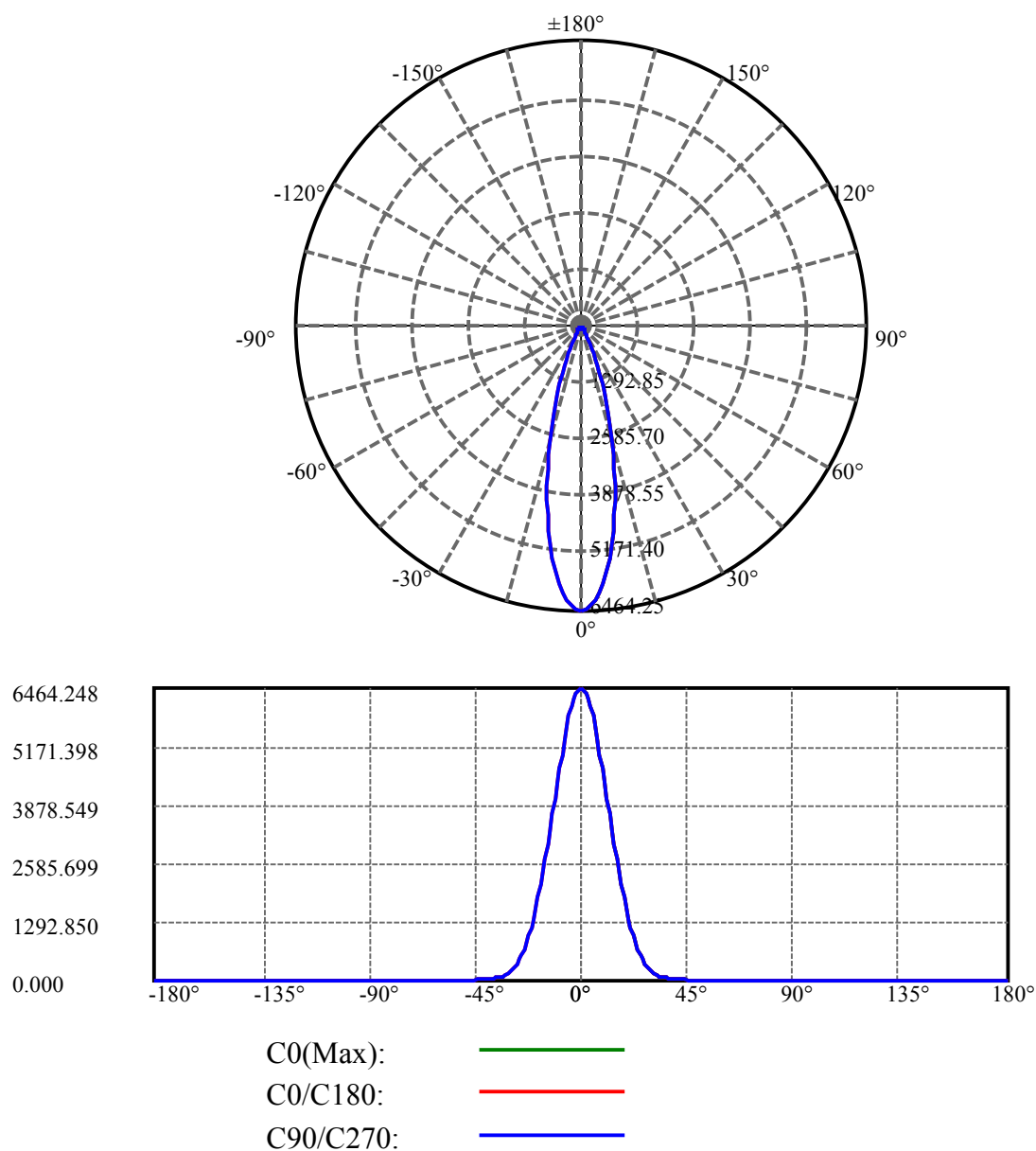
Beam angle of C0 plane : 26.67

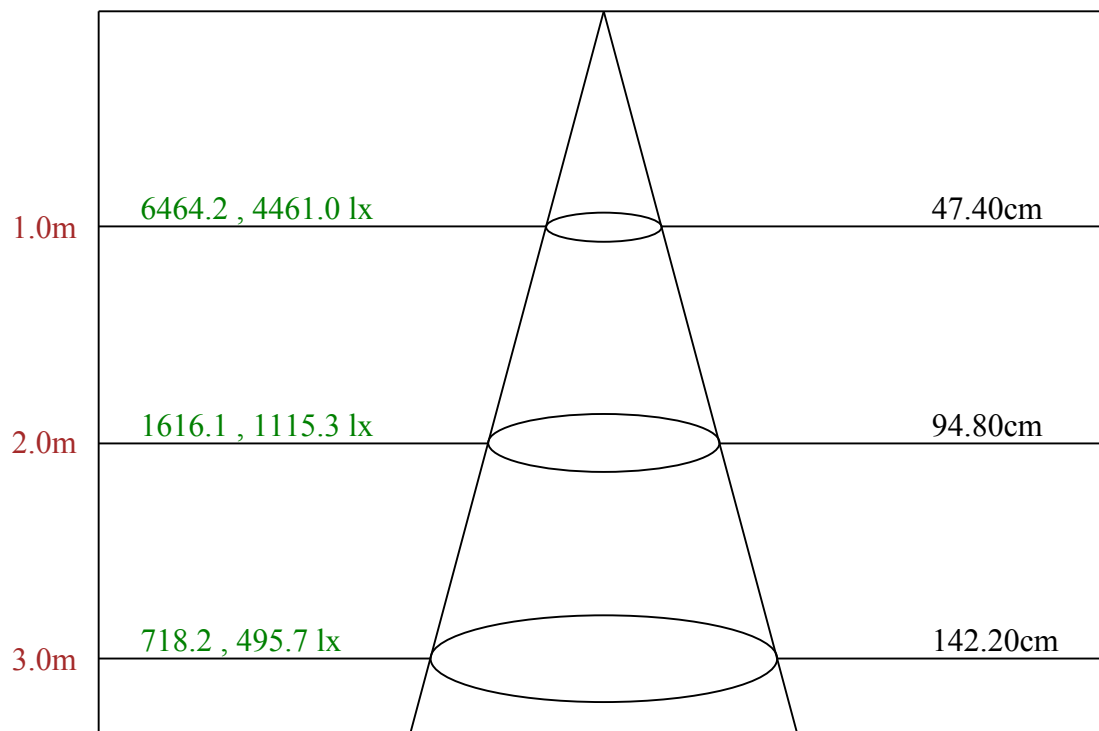
Average BeamAngle(IEC 61341): 26.67

Equipment: equipamento lumini
Temperature(°C): 25.5

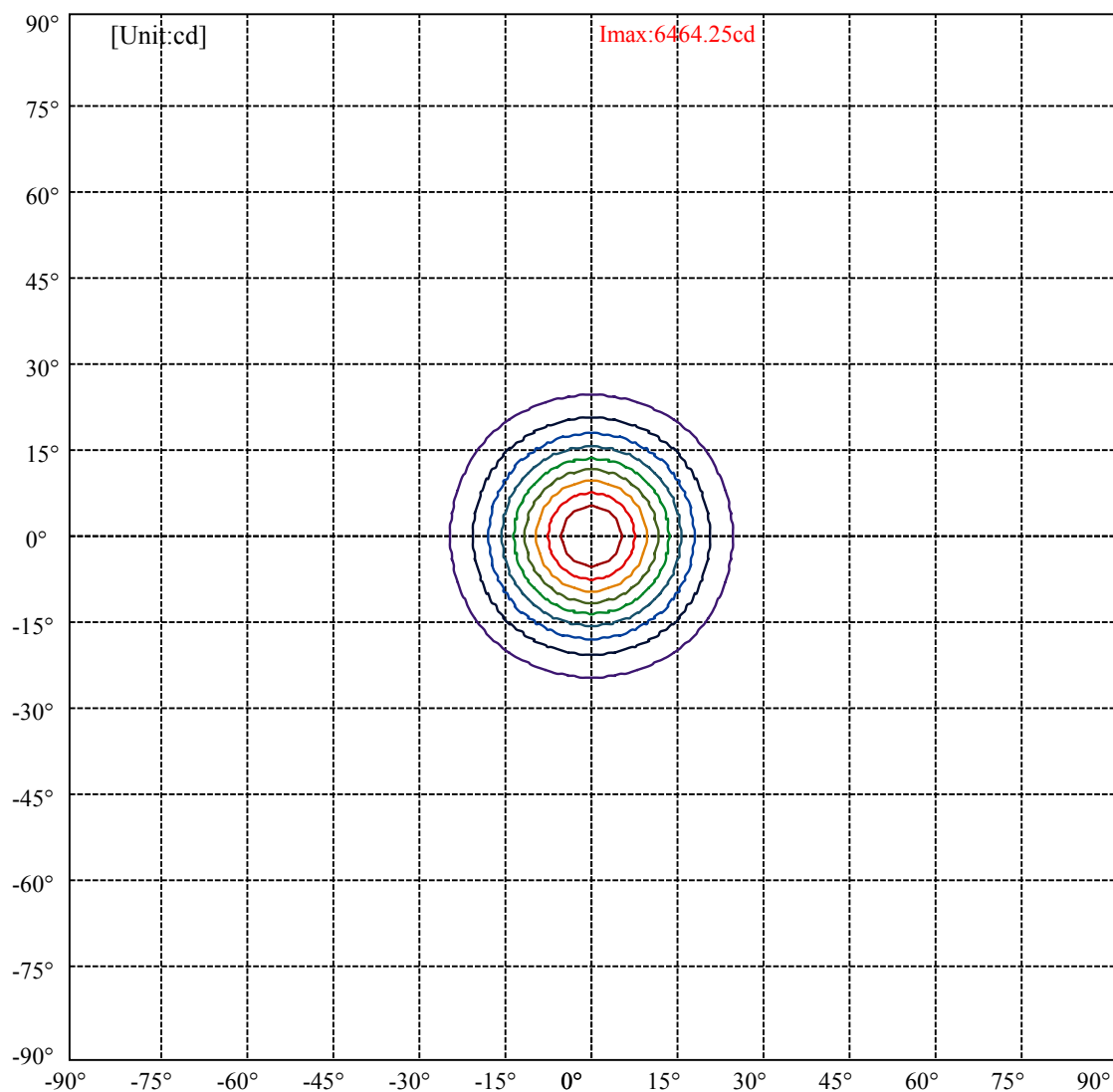
Date: 17/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 26.67



(10%Imax) 646.425	—
(20%Imax) 1292.85	—
(30%Imax) 1939.27	—
(40%Imax) 2585.7	—
(50%Imax) 3232.12	—
(60%Imax) 3878.55	—
(70%Imax) 4524.97	—
(80%Imax) 5171.4	—
(90%Imax) 5817.82	—

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Luminance Limiting Curve(no luminous side)

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Luminance Table

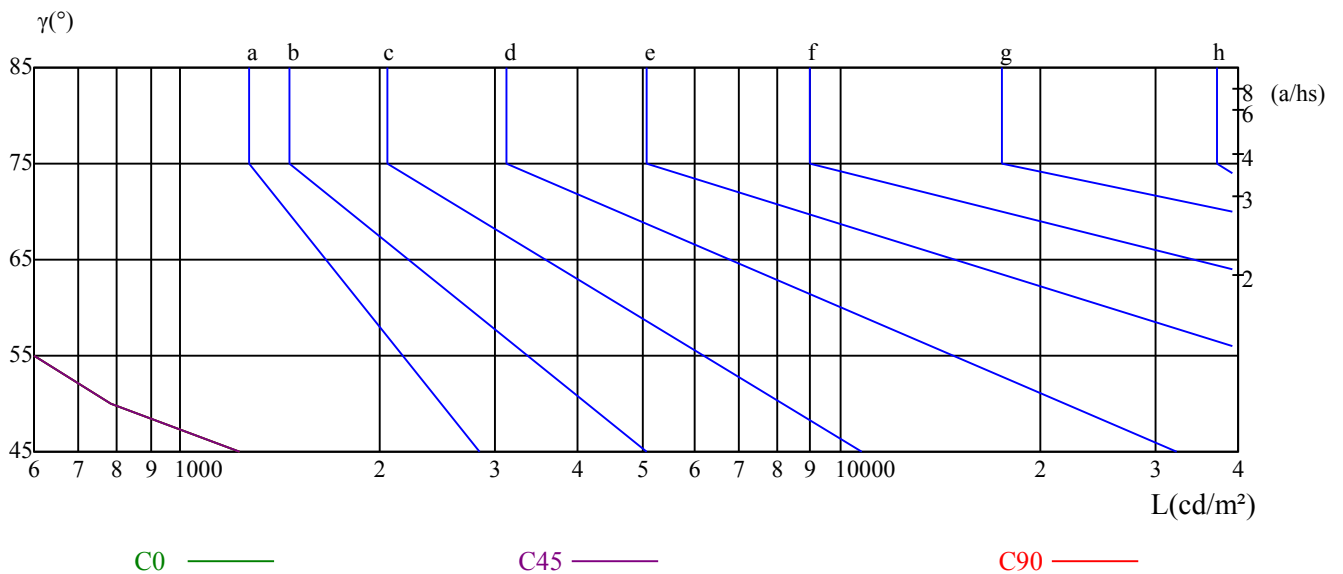
γ	45	50	55	60	65	70	75	80	85
C0	1225	787	594	526	564	656	842	1232	2427
C45	1225	787	594	526	564	656	842	1232	2427
C90	1225	787	594	526	564	656	842	1232	2427

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
564	564	564	842	842	842	2427	2427	2427

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



Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 17/05/2025
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	4.83	5.73	5.23	6.08	6.45	5.61	6.50	6.01	6.85	7.22
	3H	5.14	5.94	5.57	6.32	6.71	5.82	6.61	6.24	6.99	7.39
	4H	5.51	6.25	5.95	6.64	7.06	6.10	6.84	6.54	7.23	7.65
	6H	6.21	6.88	6.67	7.30	7.75	6.68	7.35	7.14	7.77	8.22
	8H	6.72	7.36	7.18	7.79	8.24	7.11	7.75	7.57	8.18	8.63
	12H	7.42	8.03	7.88	8.46	8.92	7.73	8.33	8.19	8.77	9.23
4H	2H	4.70	5.44	5.14	5.83	6.25	5.43	6.17	5.87	6.56	6.98
	3H	5.20	5.82	5.67	6.26	6.72	5.80	6.42	6.27	6.86	7.32
	4H	5.84	6.37	6.31	6.83	7.33	6.33	6.86	6.80	7.33	7.82
	6H	6.82	7.29	7.33	7.78	8.28	7.17	7.64	7.68	8.13	8.63
	8H	7.55	7.99	8.07	8.48	9.00	7.83	8.26	8.35	8.76	9.28
	12H	8.51	8.91	9.04	9.40	9.97	8.71	9.11	9.23	9.59	10.16
8H	4H	6.05	6.48	6.57	6.98	7.50	6.49	6.92	7.01	7.42	7.94
	6H	7.33	7.69	7.88	8.20	8.76	7.62	7.98	8.16	8.49	9.05
	8H	8.35	8.64	8.91	9.20	9.74	8.55	8.84	9.12	9.40	9.94
	12H	9.58	9.81	10.16	10.36	10.92	9.71	9.93	10.29	10.48	11.05
12H	4H	6.13	6.53	6.65	7.01	7.58	6.55	6.95	7.07	7.44	8.00
	6H	7.57	7.87	8.14	8.42	8.97	7.84	8.13	8.40	8.69	9.23
	8H	8.66	8.89	9.24	9.44	10.00	8.84	9.07	9.42	9.62	10.19
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		-8.2					-8.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25