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lumini

LumCAT:

Luminaire: concentra flex 34 c serie 3 fc

LampCAT: 2x modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7500

Test No:

Current(A): 0.1120

Number of Lamps: 1

Power (W): 14.0180

Lamp flux(lm): 1430.0

PF: 0.9760

Length(mm): 340

Width(mm): 40

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1089.14, Efficiency(%): 76.16% , Luminous Efficacy(lm/W): 77.70

Central intensity(cd): 6155.164, Maximum intensity(cd): 6155.164

Angle of maximum intensity: C=0.0 γ =0.0

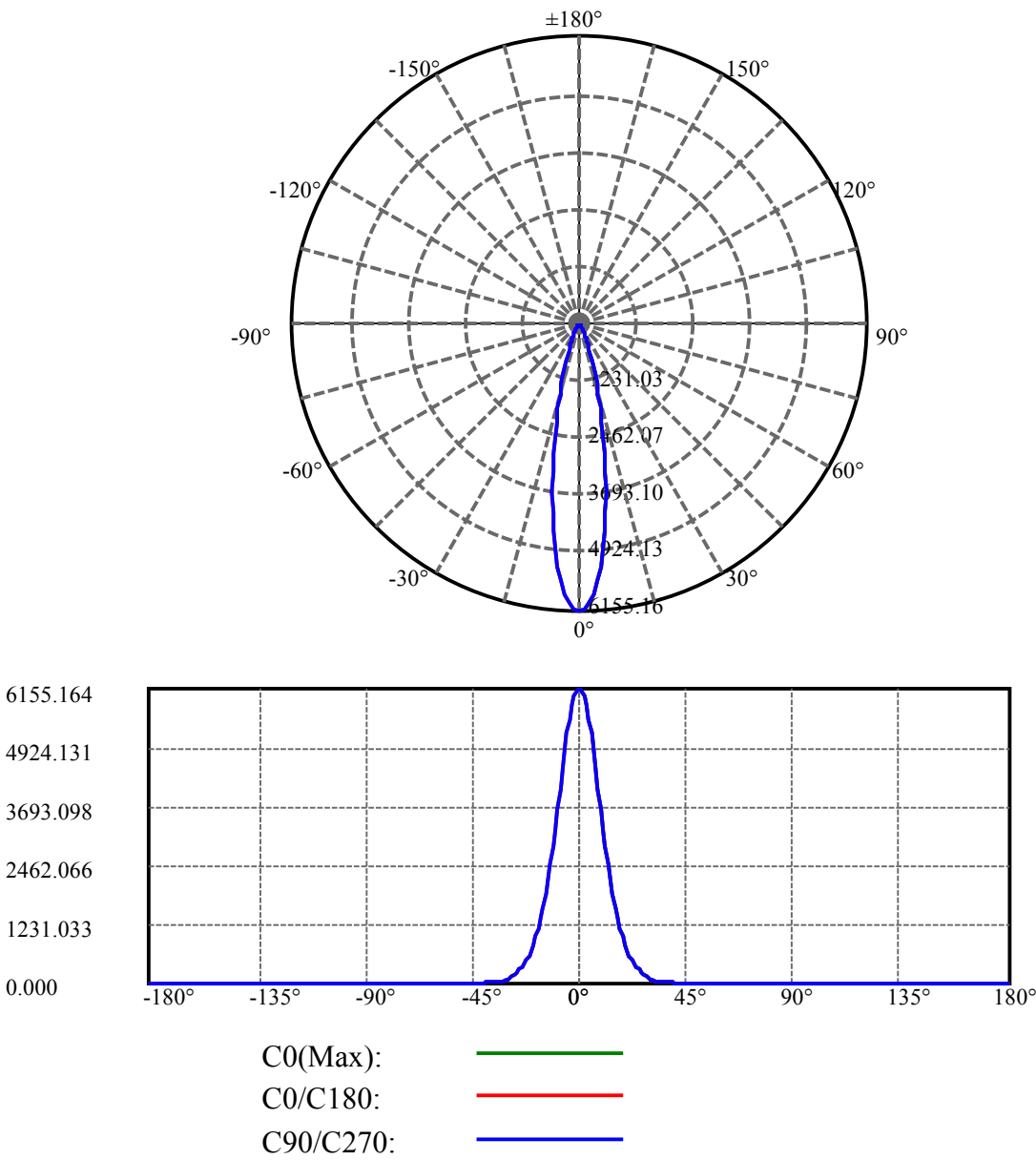
Beam angle of C0 plane : 20.74

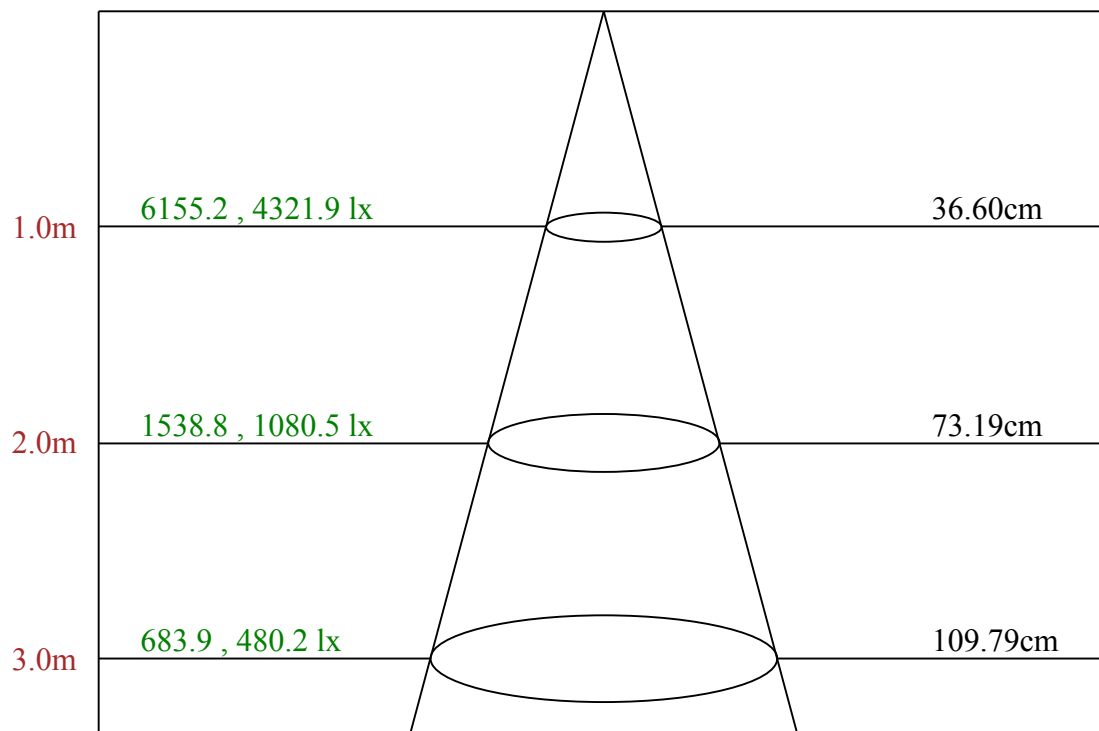
Average BeamAngle(IEC 61341): 20.74

Equipment: equipamento lumini
Temperature(°C): 25.5

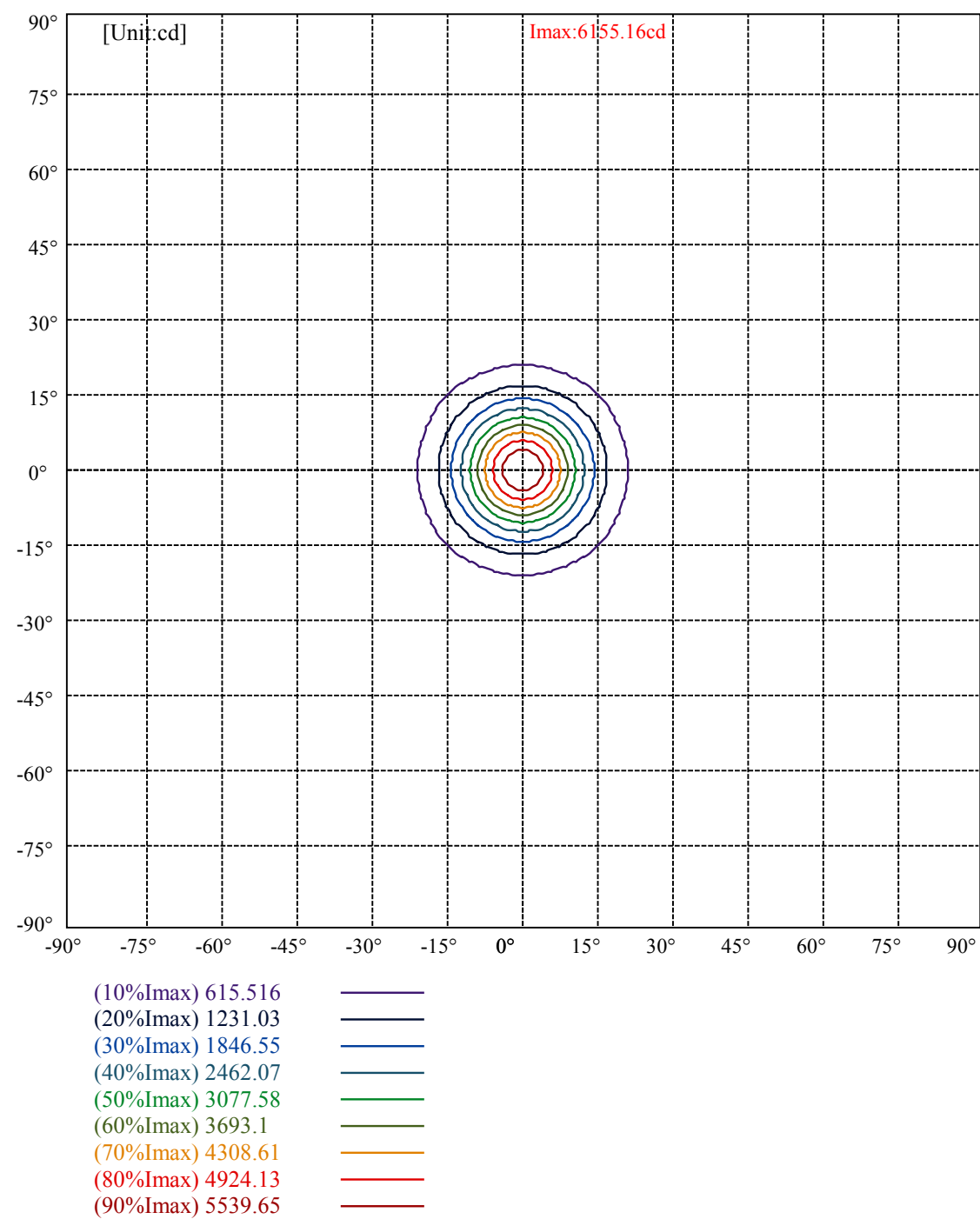
Date: 13/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.74



Luminance Table

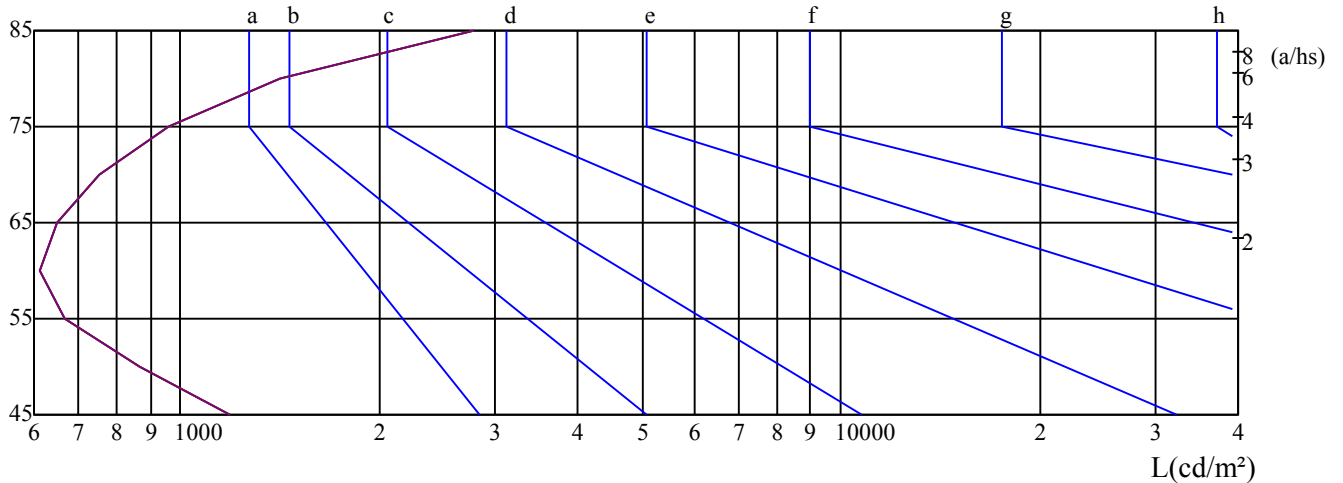
γ	45	50	55	60	65	70	75	80	85
C0	1189	869	668	614	652	755	962	1416	2782
C45	1189	869	668	614	652	755	962	1416	2782
C90	1189	869	668	614	652	755	962	1416	2782

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
652	652	652	962	962	962	2782	2782	2782

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 ———

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	2.91	3.80	3.31	4.16	4.52	3.60	4.49	4.00	4.85	5.21
	3H	3.72	4.52	4.15	4.90	5.29	4.30	5.10	4.73	5.48	5.88
	4H	4.43	5.17	4.87	5.57	5.98	4.93	5.66	5.37	6.06	6.48
	6H	5.54	6.21	6.00	6.63	7.08	5.93	6.60	6.39	7.02	7.47
	8H	6.27	6.91	6.73	7.34	7.80	6.60	7.24	7.06	7.67	8.13
	12H	7.20	7.81	7.67	8.25	8.71	7.50	8.10	7.96	8.54	9.01
4H	2H	3.00	3.74	3.44	4.13	4.55	3.62	4.35	4.06	4.75	5.17
	3H	4.12	4.74	4.58	5.17	5.64	4.60	5.22	5.07	5.66	6.12
	4H	5.15	5.68	5.63	6.15	6.64	5.53	6.07	6.01	6.53	7.03
	6H	6.54	7.01	7.05	7.50	8.00	6.83	7.30	7.34	7.79	8.29
	8H	7.47	7.91	7.99	8.40	8.92	7.71	8.14	8.23	8.64	9.16
	12H	8.62	9.02	9.14	9.51	10.08	8.84	9.24	9.36	9.73	10.29
8H	4H	5.56	5.99	6.08	6.49	7.01	5.88	6.32	6.41	6.82	7.34
	6H	7.28	7.64	7.82	8.15	8.71	7.51	7.86	8.05	8.38	8.94
	8H	8.48	8.77	9.05	9.33	9.88	8.66	8.96	9.23	9.51	10.06
	12H	9.88	10.10	10.46	10.66	11.23	10.05	10.28	10.63	10.83	11.40
12H	4H	5.69	6.09	6.22	6.58	7.15	6.00	6.40	6.53	6.89	7.46
	6H	7.59	7.88	8.16	8.44	8.99	7.79	8.09	8.36	8.65	9.19
	8H	8.87	9.09	9.45	9.65	10.22	9.03	9.26	9.61	9.81	10.38
Variation with the observer position at spacings:											
S = 1.0H		1.7/-1.2					1.7/-1.2				
S = 1.5H		2.0/-1.3					2.0/-1.3				
S = 2.0H		2.2/-1.2					2.2/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-8.5					-8.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25