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LumCAT:

Luminaire: super track concentra 30 serie 2 fc

LampCAT: modulo led 17W 30K irc 90

Ballast type:

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.1440

Number of Lamps: 1

Power (W): 18.2500

Lamp flux(lm): 1980.0

PF: 0.9900

Length(mm): 250

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1231.58, Efficiency(%): 62.20% , Luminous Efficacy(lm/W): 67.48

Central intensity(cd): 7146.226, Maximum intensity(cd): 7146.226

Angle of maximum intensity: C=0.0 γ =0.0

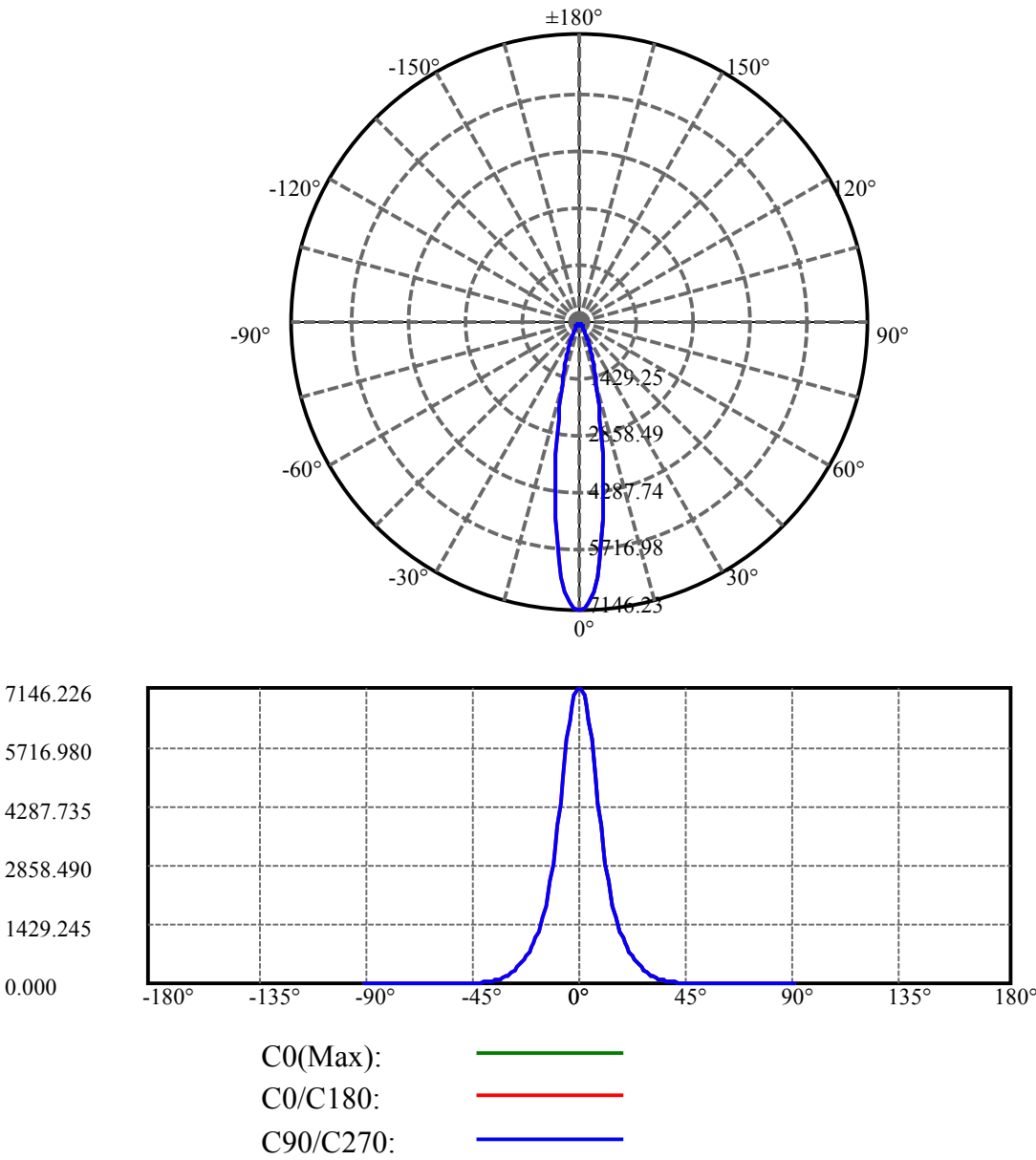
Beam angle of C0 plane : 19.01

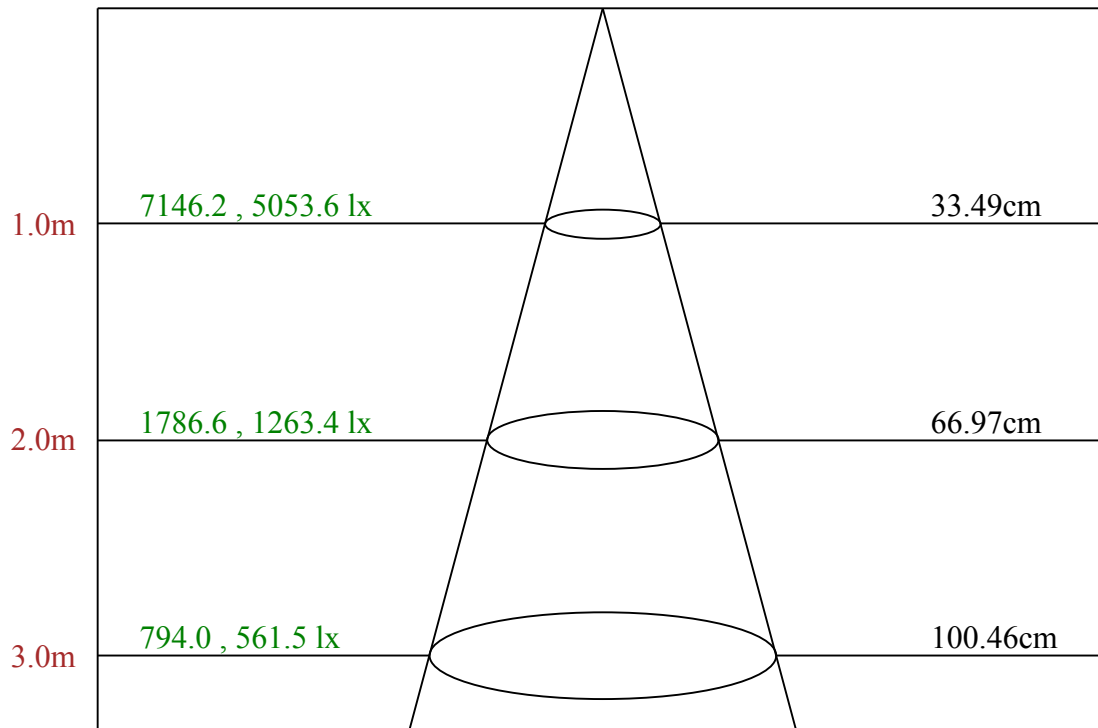
Aveage BeamAngle(IEC 61341):19.01

Equipment: equipamento lumini
Temperature(°C): 25.5

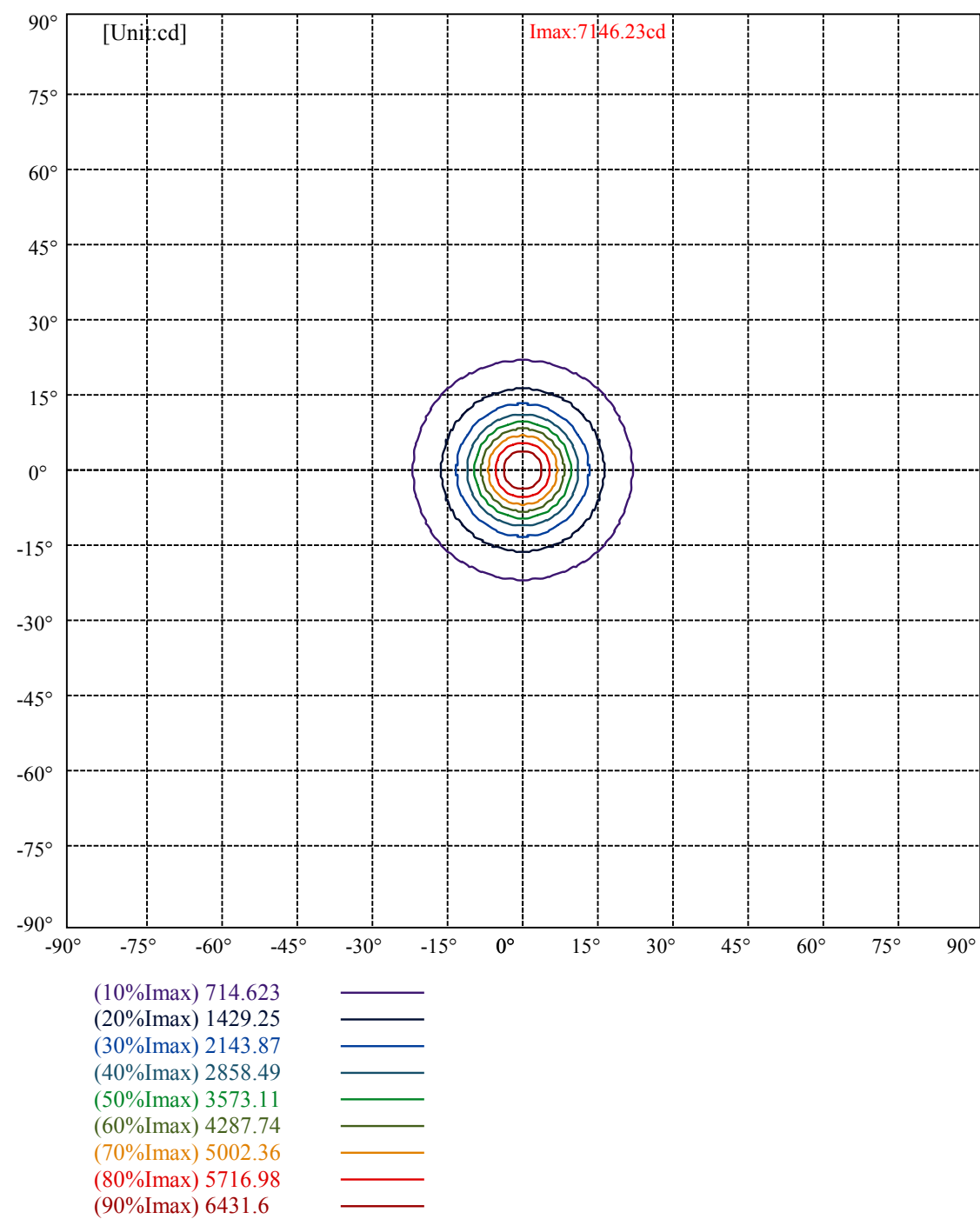
Date: 8/26/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 19.01



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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	2797	1941	1091	1091	1271	1581	2068	3093	6184
C45	2797	1941	1091	1091	1271	1581	2068	3093	6184
C90	2797	1941	1091	1091	1271	1581	2068	3093	6184

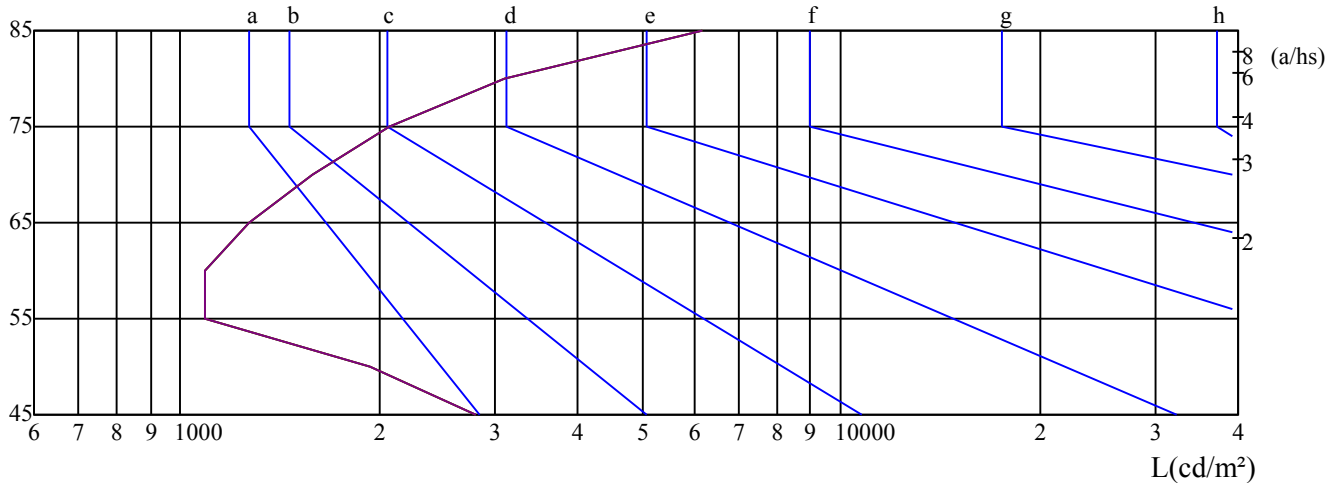
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1271	1271	1271	2068	2068	2068	6184	6184	6184

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	8.06	8.97	8.43	9.28	9.60	8.37	9.28	8.73	9.59	9.90
	3H	8.25	9.06	8.64	9.40	9.74	8.56	9.37	8.95	9.70	10.05
	4H	8.57	9.32	8.97	9.67	10.04	8.87	9.61	9.27	9.97	10.34
	6H	9.21	9.89	9.63	10.27	10.67	9.51	10.19	9.93	10.57	10.97
	8H	9.69	10.34	10.12	10.73	11.14	9.98	10.63	10.40	11.02	11.43
	12H	10.37	10.99	10.80	11.38	11.80	10.68	11.29	11.10	11.69	12.10
4H	2H	7.86	8.61	8.26	8.96	9.33	8.16	8.90	8.56	9.26	9.63
	3H	8.23	8.85	8.65	9.25	9.67	8.51	9.14	8.94	9.53	9.95
	4H	8.81	9.35	9.25	9.77	10.22	9.08	9.62	9.51	10.04	10.49
	6H	9.74	10.22	10.21	10.67	11.12	10.01	10.49	10.48	10.94	11.39
	8H	10.46	10.90	10.95	11.36	11.83	10.71	11.15	11.20	11.61	12.09
	12H	11.41	11.82	11.90	12.27	12.79	11.69	12.09	12.18	12.55	13.07
8H	4H	9.01	9.45	9.49	9.91	10.38	9.25	9.69	9.73	10.15	10.62
	6H	10.26	10.62	10.77	11.10	11.61	10.49	10.85	11.00	11.33	11.84
	8H	11.25	11.55	11.79	12.08	12.57	11.47	11.77	12.01	12.30	12.79
	12H	12.49	12.72	13.04	13.24	13.76	12.74	12.96	13.28	13.48	14.01
12H	4H	9.09	9.49	9.58	9.95	10.47	9.31	9.72	9.81	10.17	10.70
	6H	10.50	10.80	11.04	11.33	11.82	10.72	11.01	11.25	11.54	12.04
	8H	11.58	11.81	12.13	12.33	12.85	11.78	12.01	12.33	12.53	13.05
Variation with the observer position at spacings:											
S = 1.0H		4.5/-3.3					4.5/-3.3				
S = 1.5H		5.7/-2.5					5.7/-2.5				
S = 2.0H		6.3/-2.0					6.3/-2.0				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-4.5					-4.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25