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LumCAT:

Luminaire: micro concentra 15 e fc

LampCAT: modulo led 16W 30K irc 90

Ballast type: LED driver 700mA

Report No:

Voltage(V): 127.6900

Test No:

Current(A): 0.1690

Number of Lamps: 1

Power (W): 19.5590

Lamp flux(lm): 1553.0

PF: 0.9050

Length(mm): 155

Width(mm): 38

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 420.75, Efficiency(%): 27.09% , Luminous Efficacy(lm/W): 21.51

Central intensity(cd): 1818.262, Maximum intensity(cd): 1818.262

Angle of maximum intensity: C=0.0 γ =0.0

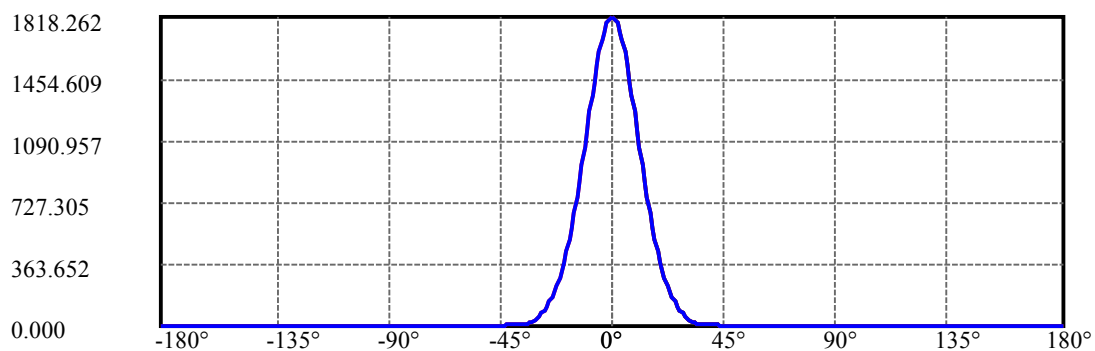
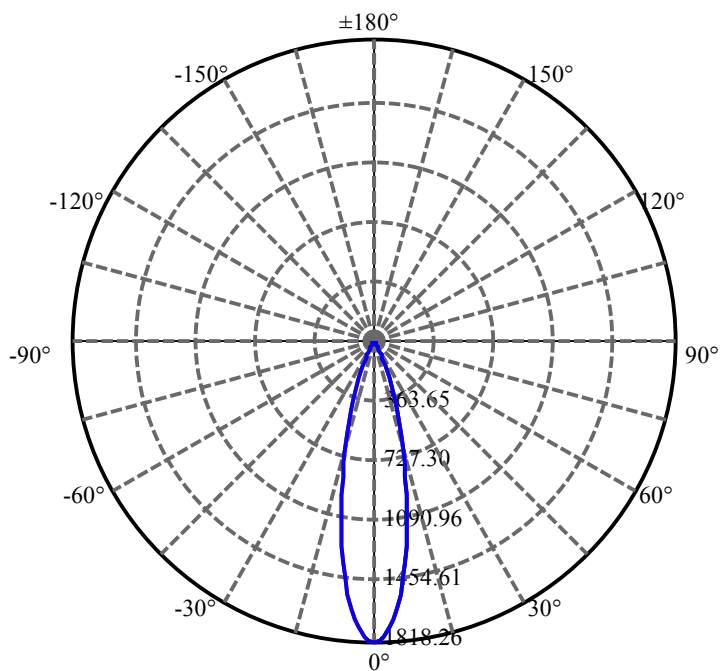
Beam angle of C0 plane : 24.74

Aveage BeamAngle(IEC 61341):24.74

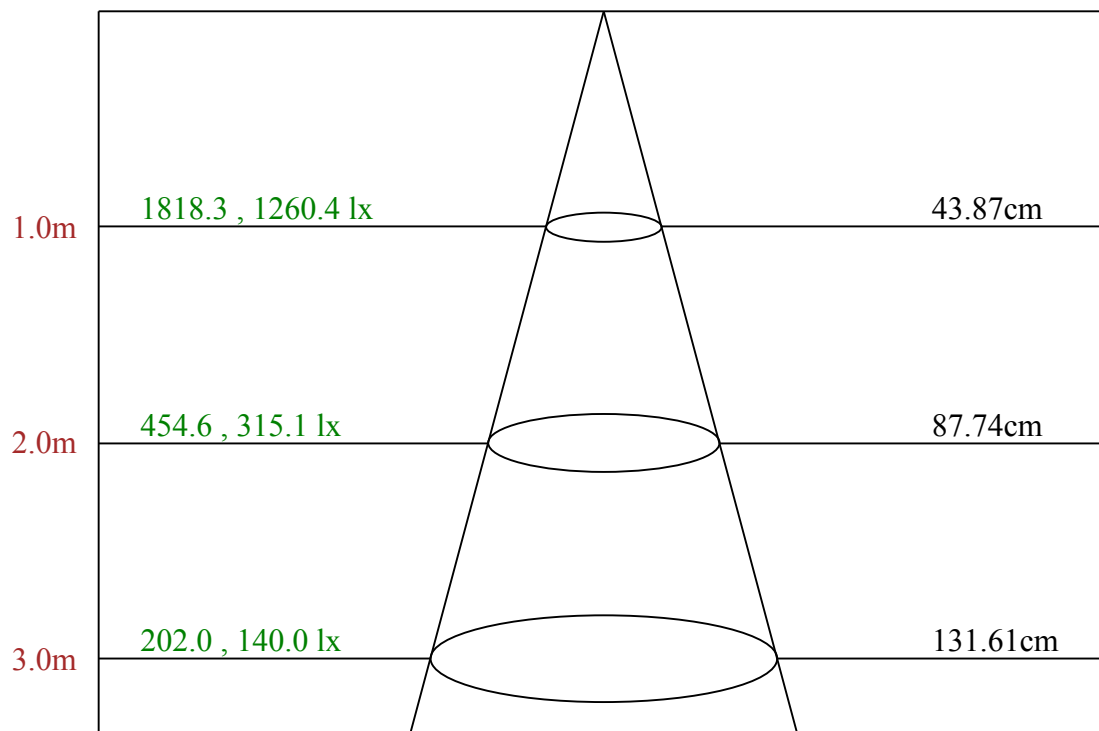
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 07/04/2025
Humidity(%): 60.0%

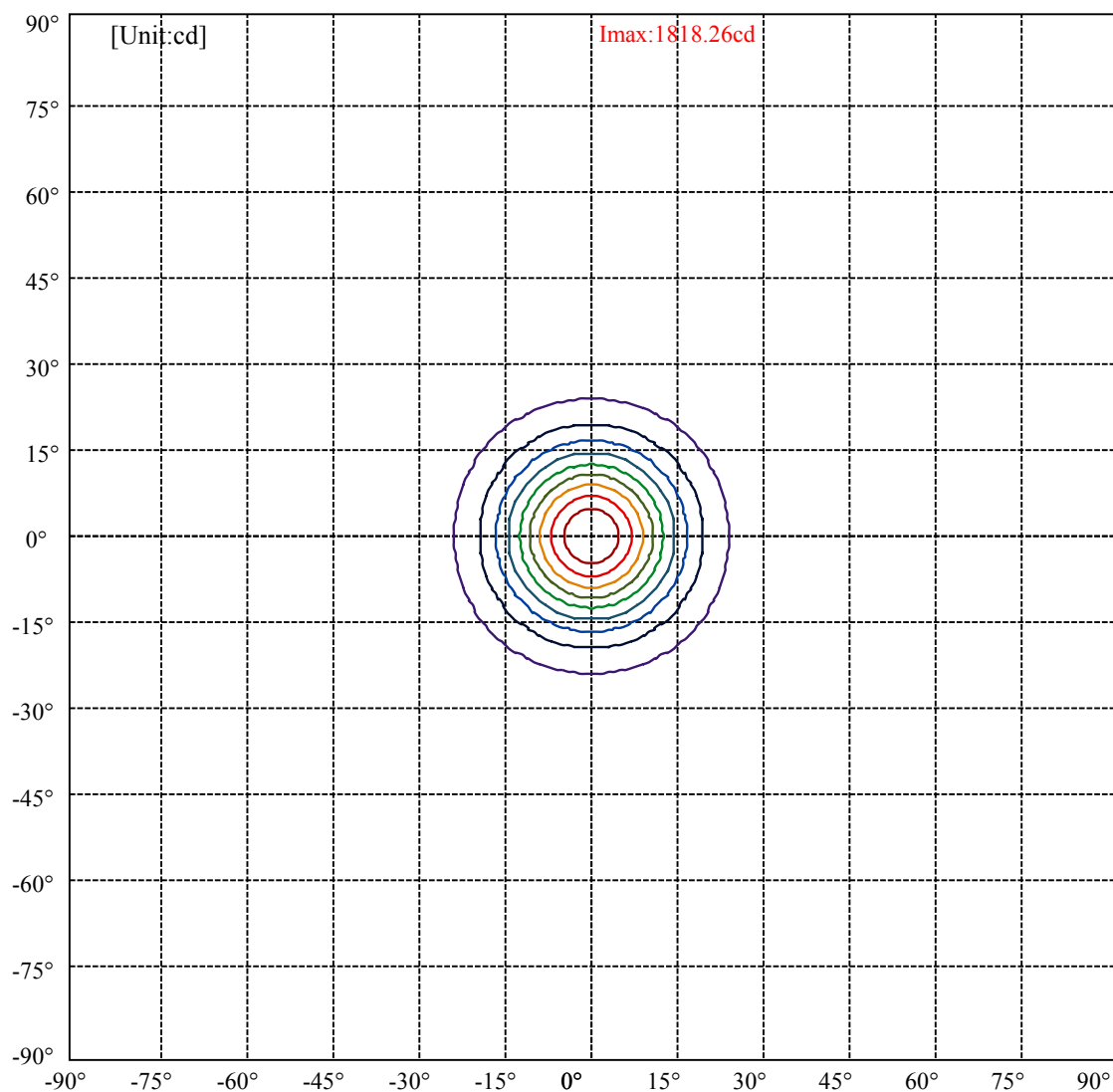
Operator: 01
Distance(m): 6.90



C0(Max):
C0/C180:
C90/C270:



Max , Ave Beam angle of C0 plane 24.74



Luminance Table

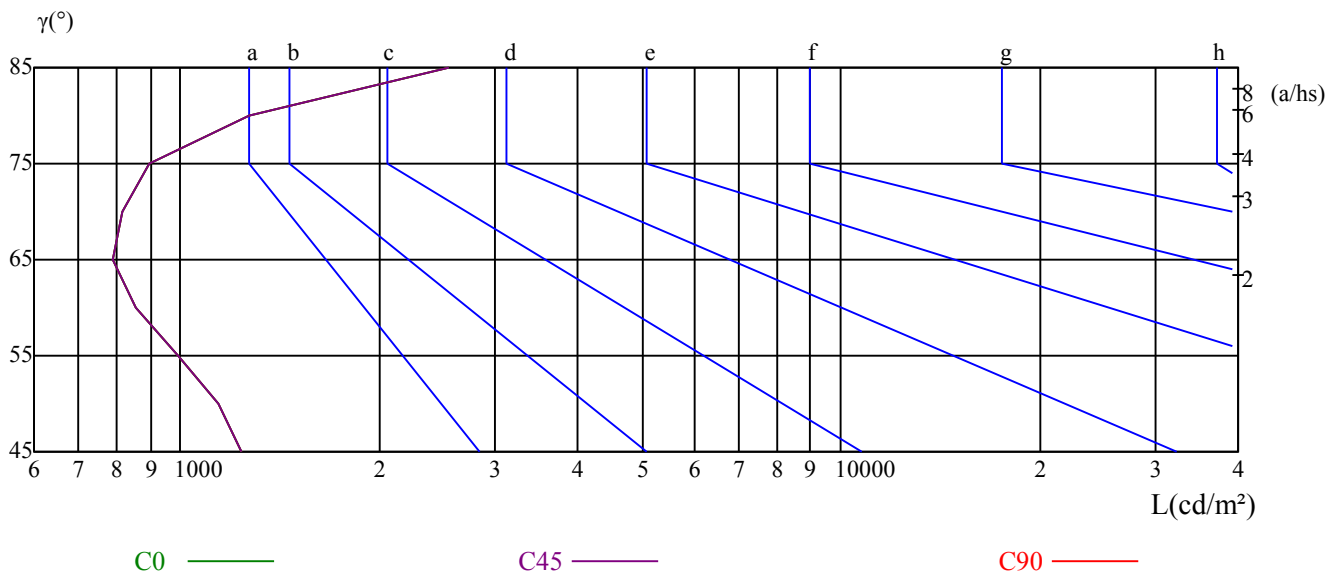
γ	45	50	55	60	65	70	75	80	85
C0	1239	1138	992	857	789	815	898	1268	2550
C45	1239	1138	992	857	789	815	898	1268	2550
C90	1239	1138	992	857	789	815	898	1268	2550

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
789	789	789	898	898	898	2550	2550	2550

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



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	4.63	5.53	5.03	5.89	6.26	4.78	5.69	5.19	6.04	6.41
	3H	5.36	6.16	5.79	6.54	6.94	5.48	6.28	5.91	6.67	7.07
	4H	5.80	6.54	6.24	6.94	7.36	5.92	6.67	6.37	7.06	7.48
	6H	6.57	7.25	7.03	7.67	8.12	6.58	7.26	7.04	7.68	8.13
	8H	7.09	7.74	7.56	8.17	8.63	7.06	7.71	7.53	8.14	8.60
	12H	7.87	8.48	8.34	8.92	9.39	7.75	8.36	8.22	8.80	9.27
4H	2H	4.78	5.52	5.22	5.92	6.34	4.91	5.66	5.36	6.06	6.48
	3H	5.72	6.35	6.19	6.78	7.25	5.83	6.45	6.29	6.89	7.36
	4H	6.39	6.93	6.87	7.40	7.90	6.49	7.03	6.97	7.49	7.99
	6H	7.39	7.86	7.90	8.35	8.86	7.36	7.84	7.87	8.33	8.83
	8H	8.10	8.54	8.62	9.04	9.56	8.03	8.47	8.56	8.97	9.49
	12H	9.10	9.51	9.63	10.00	10.57	8.95	9.35	9.47	9.84	10.41
8H	4H	6.63	7.07	7.15	7.57	8.09	6.71	7.15	7.24	7.65	8.17
	6H	7.91	8.27	8.46	8.79	9.35	7.87	8.23	8.41	8.75	9.31
	8H	8.89	9.19	9.46	9.75	10.29	8.81	9.11	9.38	9.67	10.21
	12H	10.18	10.41	10.76	10.96	11.53	10.01	10.24	10.59	10.79	11.36
12H	4H	6.70	7.10	7.23	7.60	8.17	6.78	7.19	7.31	7.68	8.25
	6H	8.13	8.43	8.70	8.99	9.54	8.10	8.40	8.67	8.96	9.50
	8H	9.19	9.42	9.77	9.97	10.54	9.11	9.34	9.69	9.90	10.47
Variation with the observer position at spacings:											
S = 1.0H		1.9/-1.1					1.9/-1.1				
S = 1.5H		2.4/-1.1					2.4/-1.1				
S = 2.0H		2.8/-1.1					2.8/-1.1				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-7.5					-7.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25