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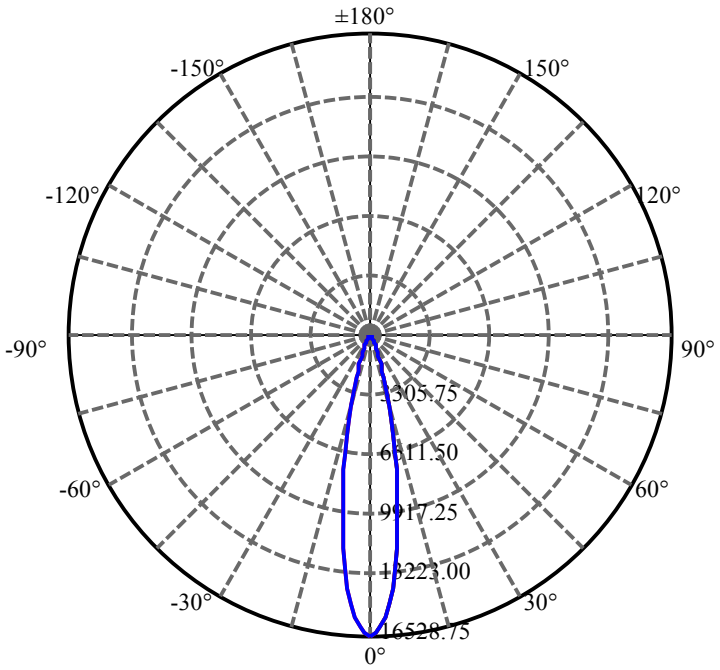
LumCAT:
Luminaire: concentra flex 50 c serie 3 fc
LampCAT: modulo led 36W 30K irc 90
Ballast type: led driver 700mA

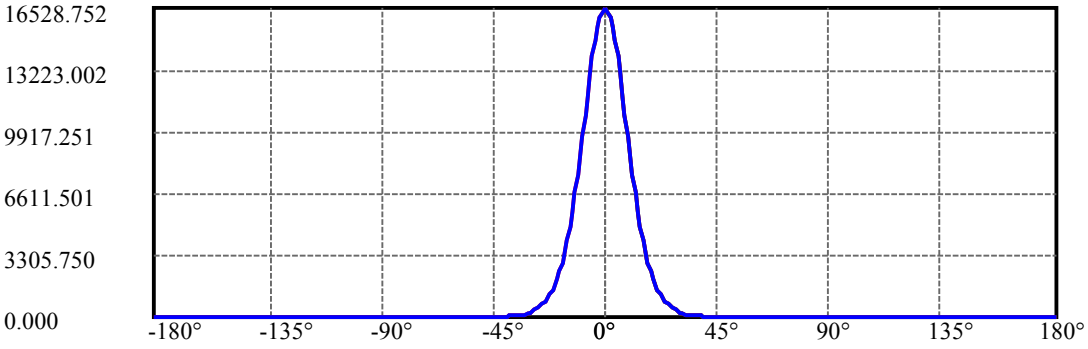
Report No:	Voltage(V): 127.5900
Test No:	Current(A): 0.3020
Number of Lamps: 1	Power (W): 38.3020
Lamp flux(lm): 4072.0	PF: 0.9940
Length(mm): 468	Width(mm): 17
Phm Type: C	Height(mm): 0

Photometric Results

Lumens(lm): 2842.28, Efficiency(%): 69.80% , Luminous Efficacy(lm/W): 74.21
Central intensity(cd): 16528.750, Maximum intensity(cd): 16528.750
Angle of maximum intensity: C=0.0 γ=0.0
Beam angle of C0 plane : 20.70
Aveage BeamAngle(IEC 61341):20.70

Light Distribution Curve [Unit:cd]





C0(Max):

C0/C180:

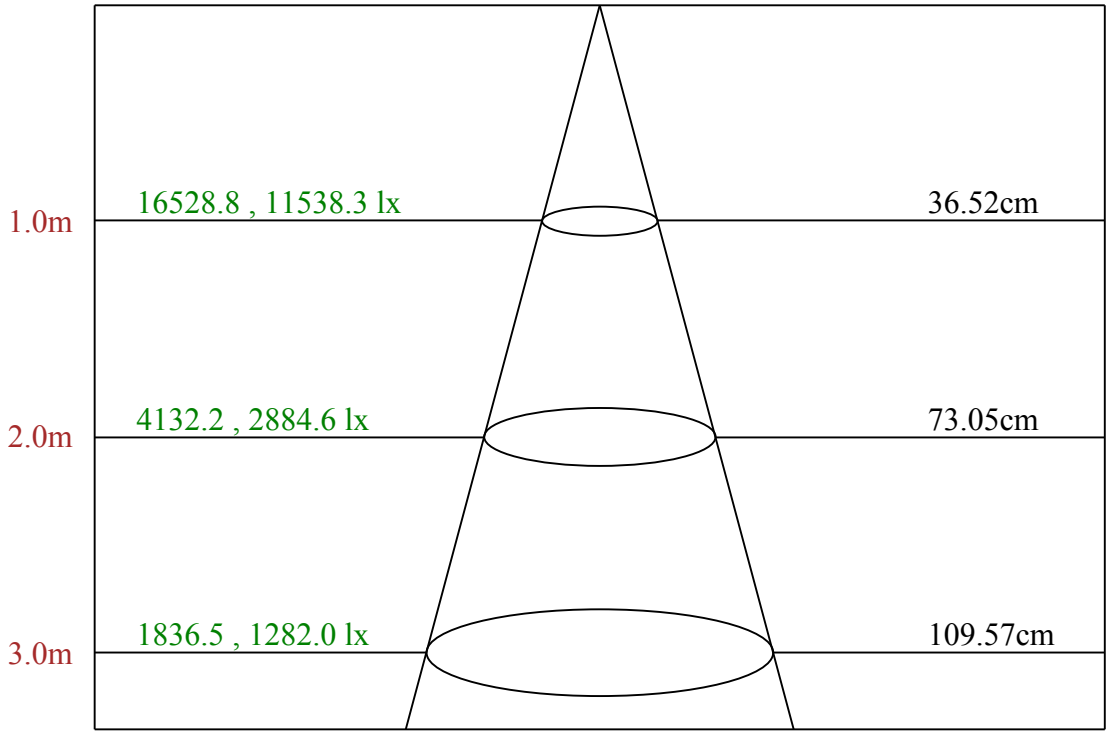
C90/C270:

Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 08/05/2025
Humidity(%): 60.0%

Operator: 01
Distance(m): 6.90

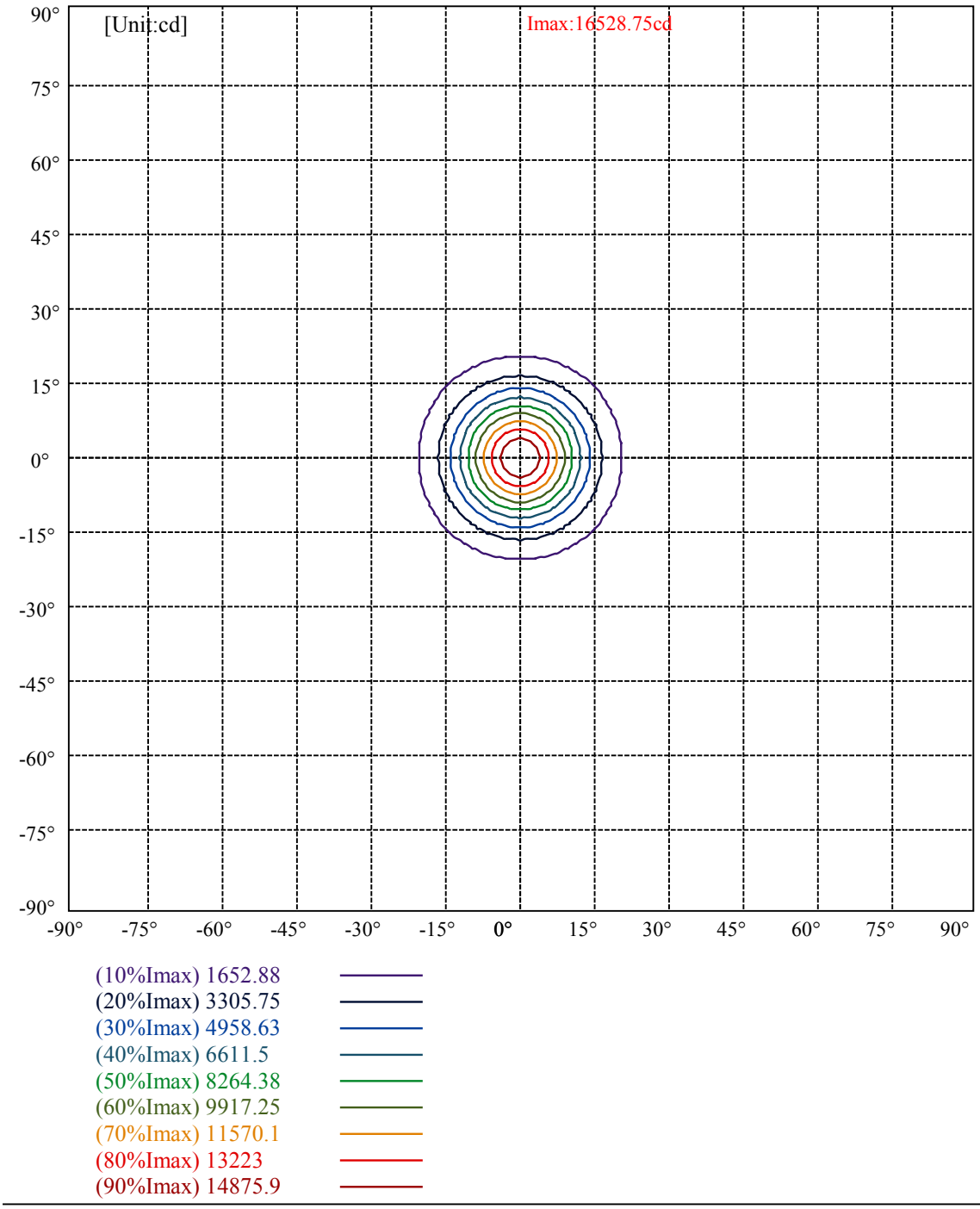
Lux distance Curve



Max , Ave

Beam angle of C0 plane 20.70

ISO-Intensity(V-H)



(10%Imax) 1652.88
(20%Imax) 3305.75
(30%Imax) 4958.63
(40%Imax) 6611.5
(50%Imax) 8264.38
(60%Imax) 9917.25
(70%Imax) 11570.1
(80%Imax) 13223
(90%Imax) 14875.9

Equipment: equipamento lumini
Temperature(°C): 25.5
Date: 08/05/2025
Humidity(%): 60.0%
Operator: 01
Distance(m): 6.90

Luminance Limitting Curve(no luminous side)

Luminance Table

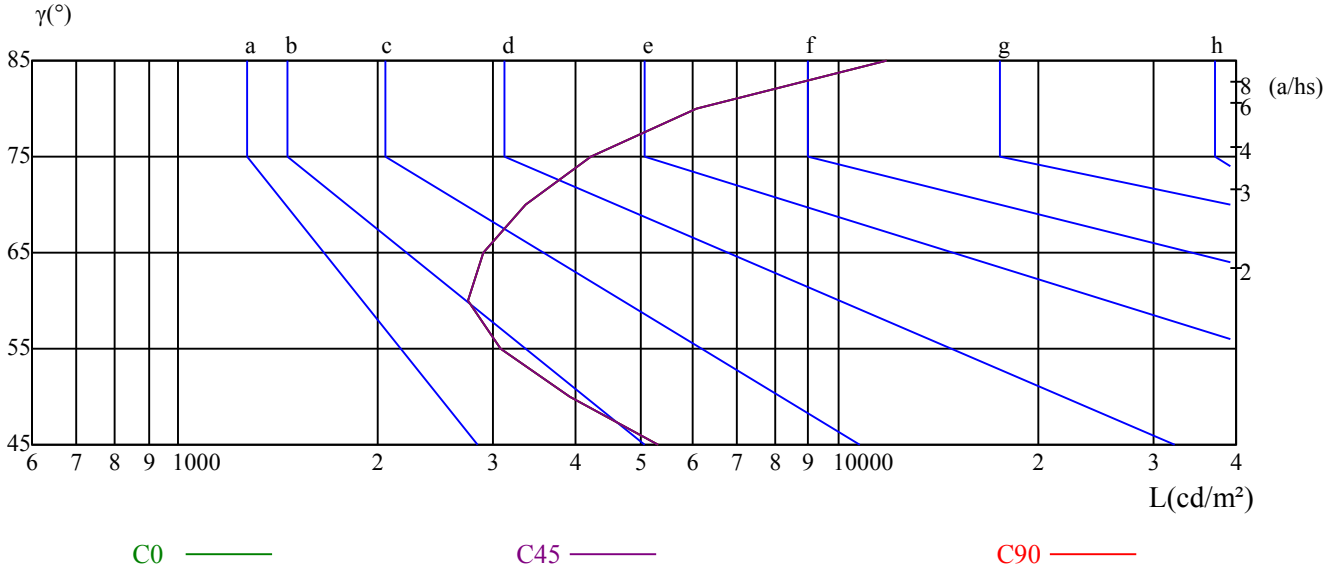
γ	45	50	55	60	65	70	75	80	85
C0	5315	3911	3075	2739	2894	3346	4217	6078	11810
C45	5315	3911	3075	2739	2894	3346	4217	6078	11810
C90	5315	3911	3075	2739	2894	3346	4217	6078	11810

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2894	2894	2894	4217	4217	4217	11810	11810	11810

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	9.21	10.10	9.61	10.46	10.82	8.82	9.71	9.22	10.06	10.43
	3H	9.83	10.63	10.26	11.01	11.40	9.46	10.26	9.89	10.64	11.03
	4H	10.41	11.15	10.85	11.55	11.96	10.04	10.78	10.48	11.17	11.59
	6H	11.35	12.02	11.81	12.44	12.89	10.98	11.65	11.44	12.07	12.52
	8H	11.97	12.61	12.43	13.04	13.49	11.61	12.25	12.07	12.68	13.13
	12H	12.77	13.38	13.24	13.82	14.28	12.44	13.05	12.90	13.48	13.94
4H	2H	9.21	9.94	9.65	10.34	10.75	8.85	9.59	9.29	9.98	10.40
	3H	10.09	10.71	10.56	11.15	11.61	9.77	10.39	10.23	10.82	11.29
	4H	10.97	11.50	11.44	11.96	12.46	10.65	11.18	11.12	11.64	12.14
	6H	12.18	12.65	12.69	13.14	13.64	11.86	12.33	12.37	12.82	13.32
	8H	13.01	13.45	13.53	13.94	14.46	12.70	13.14	13.22	13.63	14.15
	12H	14.04	14.45	14.57	14.93	15.50	13.75	14.15	14.28	14.64	15.21
8H	4H	11.27	11.70	11.79	12.20	12.72	10.99	11.43	11.52	11.93	12.45
	6H	12.80	13.15	13.34	13.67	14.22	12.53	12.89	13.07	13.40	13.96
	8H	13.90	14.19	14.46	14.75	15.29	13.64	13.93	14.20	14.49	15.03
	12H	15.19	15.41	15.77	15.97	16.53	14.95	15.17	15.53	15.72	16.29
12H	4H	11.37	11.77	11.89	12.26	12.82	11.11	11.51	11.63	12.00	12.57
	6H	13.06	13.35	13.62	13.91	14.45	12.81	13.11	13.38	13.67	14.21
	8H	14.23	14.46	14.81	15.01	15.58	14.00	14.22	14.58	14.78	15.34
Variation with the observer position at spacings:											
S = 1.0H		1.6/-1.1					1.6/-1.1				
S = 1.5H		1.8/-1.2					1.8/-1.2				
S = 2.0H		2.1/-1.2					2.1/-1.2				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-3.4					-3.4				

依据CIE Publ. 117 计算 UGR，S/H = 0.25