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LumCAT:

Luminaire: mini frame darklight 17 serie 3 e fm

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0400

Test No:

Current(A): 0.1040

Number of Lamps: 1

Power (W): 7.5770

Lamp flux(lm): 730.0

PF: 0.5740

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 637.25, Efficiency(%): 87.29% , Luminous Efficacy(lm/W): 84.10

Central intensity(cd): 1904.424, Maximum intensity(cd): 1904.424

Angle of maximum intensity: C=0.0 γ =0.0

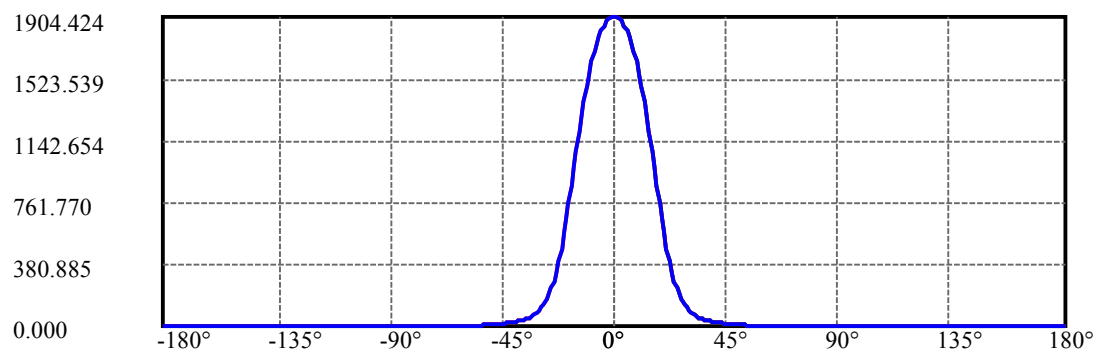
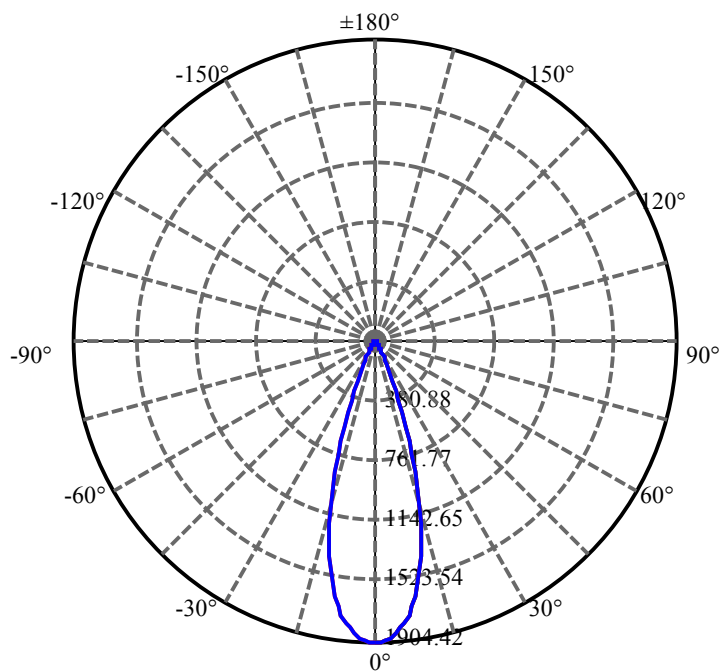
Beam angle of C0 plane : 32.43

Aveage BeamAngle(IEC 61341):32.43

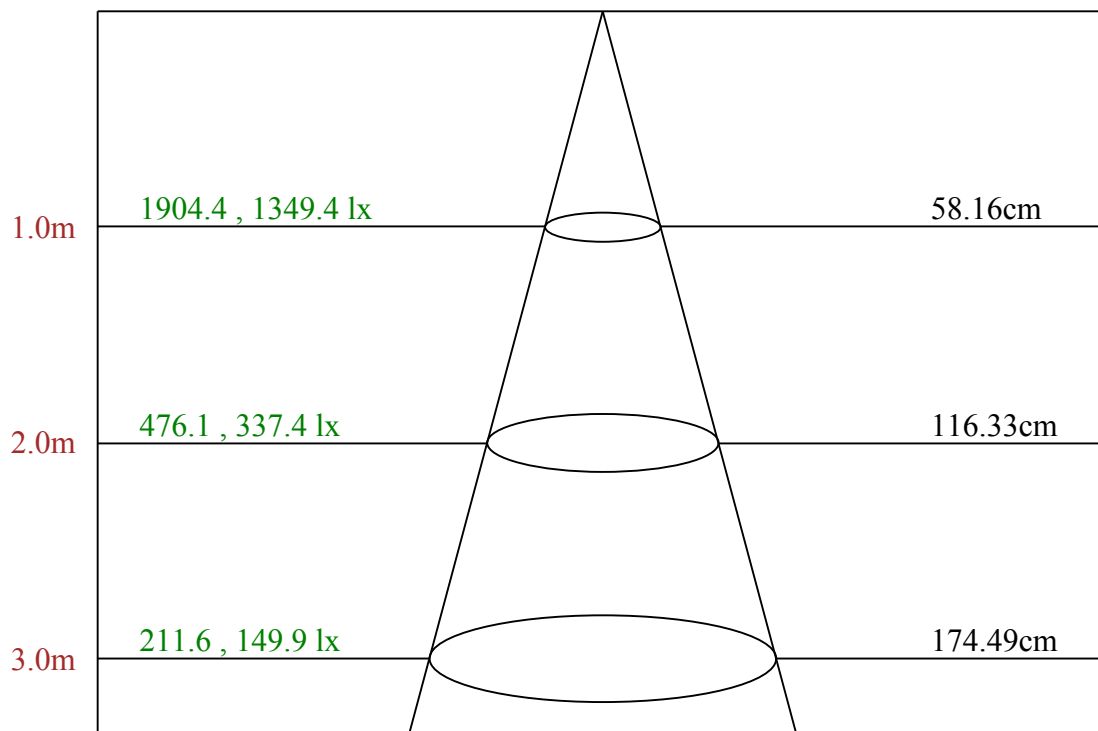
Equipment: equipamento lumini
Temperature(°C): 26.3

Date: 12/02/2025
Humidity(%): 57.0%

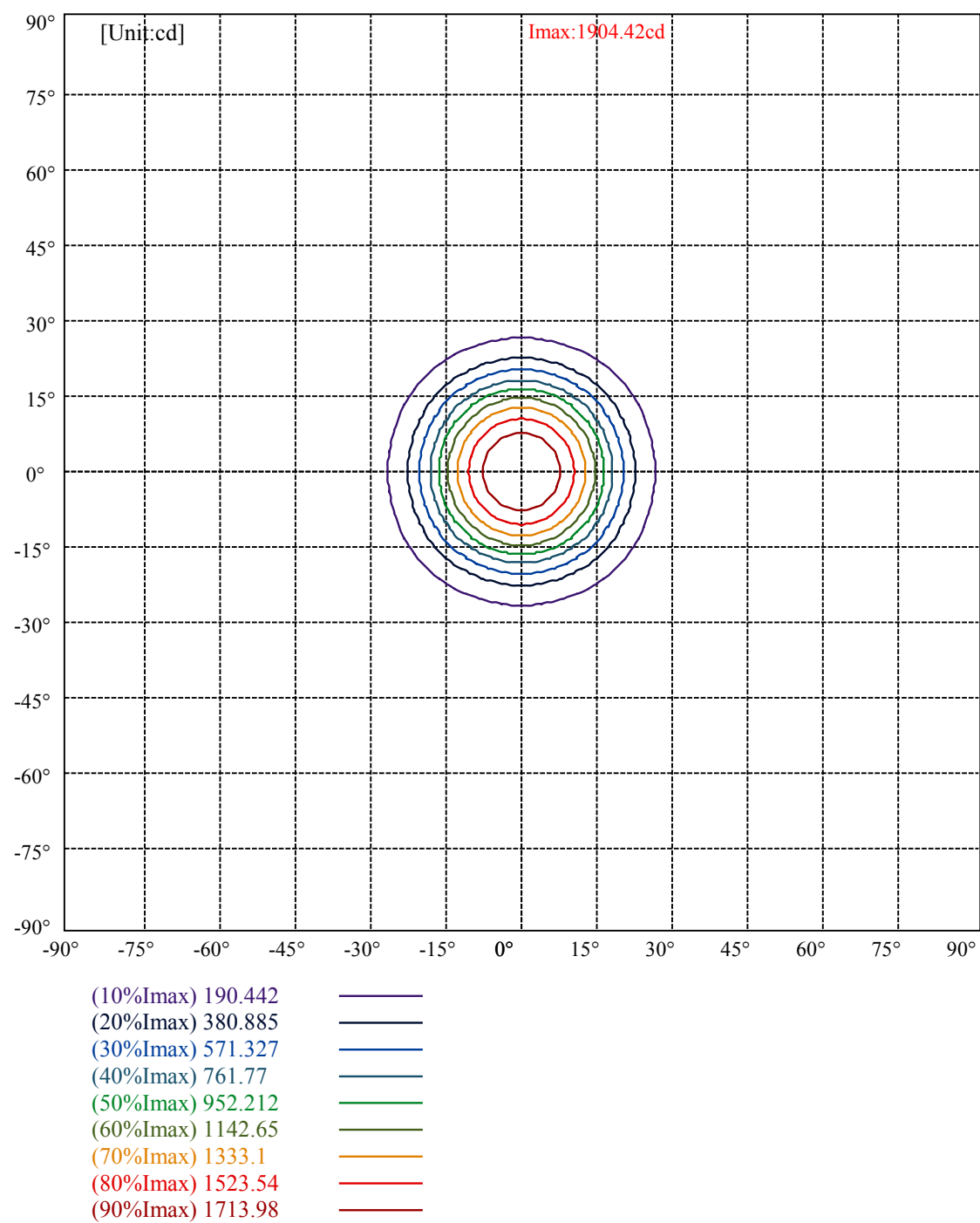
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 32.43



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	5237	3259	1904	1309	1162	1366	1811	2682	5446
C45	5237	3259	1904	1309	1162	1366	1811	2682	5446
C90	5237	3259	1904	1309	1162	1366	1811	2682	5446

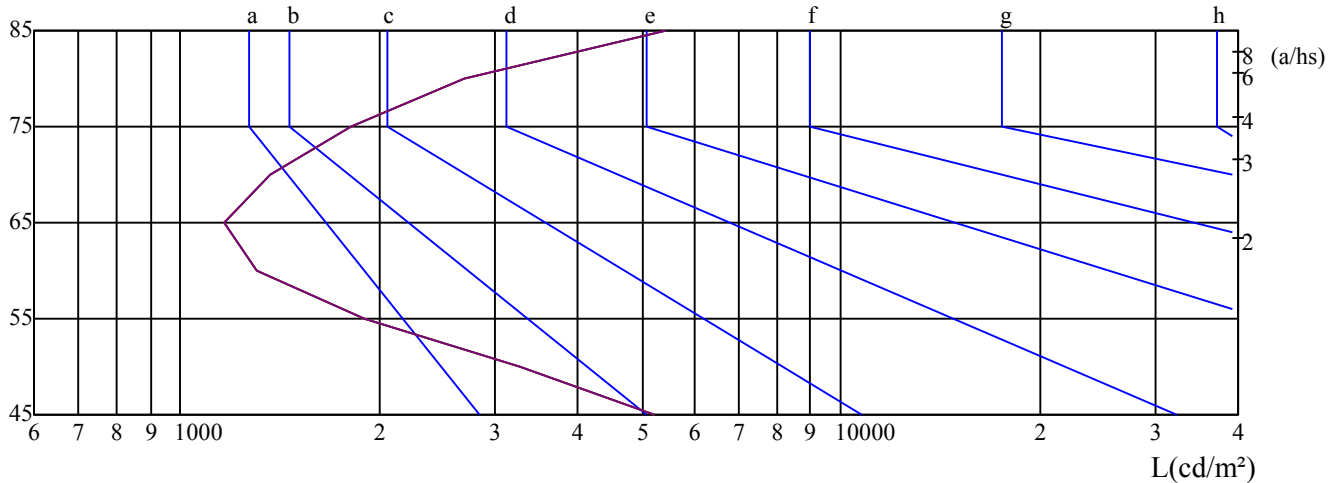
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1162	1162	1162	1811	1811	1811	5446	5446	5446

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 ———

Equipment: equipamento lumini
Temperature($^{\circ}$ C): 26.3

Date: 12/02/2025
Humidity(%): 57.0%

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	10.91	11.82	11.32	12.18	12.55	11.51	12.42	11.91	12.77	13.14
	3H	10.89	11.70	11.31	12.08	12.47	11.45	12.26	11.87	12.64	13.03
	4H	10.98	11.73	11.42	12.13	12.55	11.51	12.25	11.95	12.65	13.07
	6H	11.29	11.97	11.74	12.39	12.84	11.73	12.42	12.19	12.84	13.29
	8H	11.54	12.19	12.00	12.62	13.08	11.93	12.58	12.39	13.01	13.47
	12H	11.95	12.56	12.41	13.00	13.47	12.26	12.87	12.72	13.31	13.78
4H	2H	10.71	11.45	11.15	11.85	12.27	11.28	12.03	11.72	12.42	12.84
	3H	10.74	11.37	11.20	11.80	12.27	11.27	11.89	11.73	12.33	12.80
	4H	10.99	11.53	11.47	11.99	12.49	11.46	12.00	11.94	12.47	12.96
	6H	11.47	11.95	11.98	12.44	12.94	11.84	12.32	12.35	12.81	13.31
	8H	11.92	12.36	12.44	12.86	13.38	12.21	12.66	12.74	13.15	13.68
	12H	12.58	12.99	13.11	13.48	14.05	12.78	13.19	13.31	13.68	14.24
8H	4H	10.99	11.44	11.52	11.93	12.45	11.44	11.88	11.96	12.38	12.90
	6H	11.70	12.06	12.24	12.58	13.14	12.02	12.38	12.56	12.90	13.46
	8H	12.40	12.70	12.97	13.26	13.80	12.63	12.93	13.20	13.49	14.03
	12H	13.35	13.58	13.92	14.13	14.70	13.47	13.70	14.04	14.25	14.82
12H	4H	11.01	11.42	11.54	11.91	12.48	11.45	11.86	11.97	12.35	12.91
	6H	11.85	12.15	12.42	12.71	13.25	12.15	12.46	12.72	13.01	13.56
	8H	12.61	12.84	13.19	13.39	13.96	12.82	13.05	13.40	13.61	14.18
Variation with the observer position at spacings:											
S = 1.0H		3.3/-3.4					3.3/-3.4				
S = 1.5H		4.7/-2.8					4.7/-2.8				
S = 2.0H		5.6/-2.3					5.6/-2.3				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.3					-6.3				

依据CIE Publ. 117 计算 UGR, S/H = 0.25