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LumCAT:

Luminaire: mini track darklight serie 3 fc

LampCAT: modulo led 8W 30K irc 90

Ballast type:

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.1730

Number of Lamps: 1

Power (W): 9.9500

Lamp flux(lm): 715.0

PF: 0.4500

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 555.12, Efficiency(%): 77.64% , Luminous Efficacy(lm/W): 55.79

Central intensity(cd): 3082.843, Maximum intensity(cd): 3082.843

Angle of maximum intensity: $C=0.0$ $\gamma=0.0$

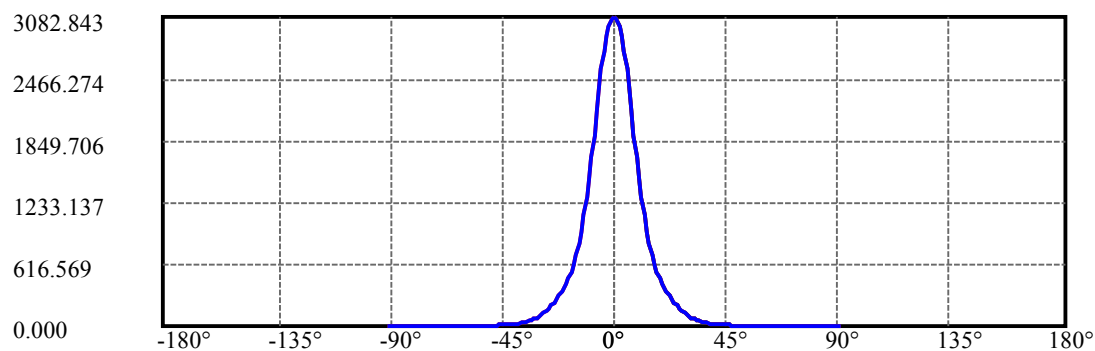
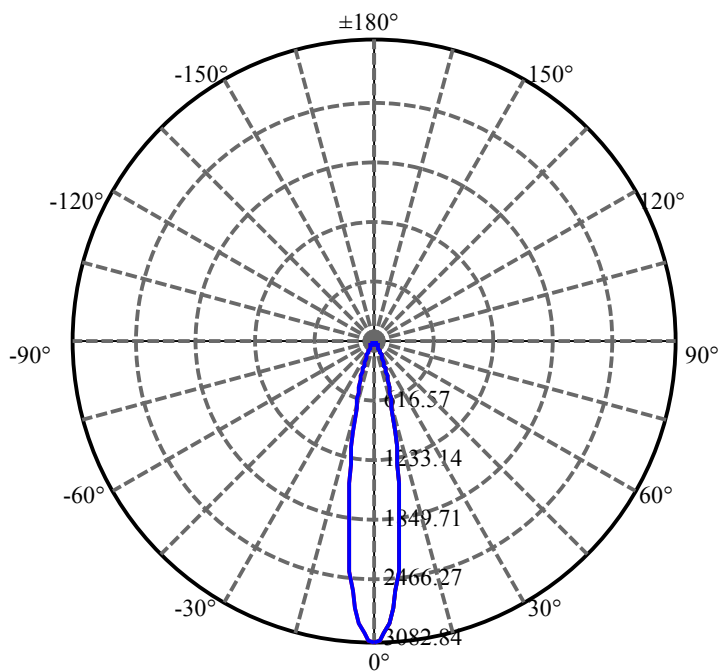
Beam angle of C0 plane : 19.38

Average BeamAngle(IEC 61341): 19.38

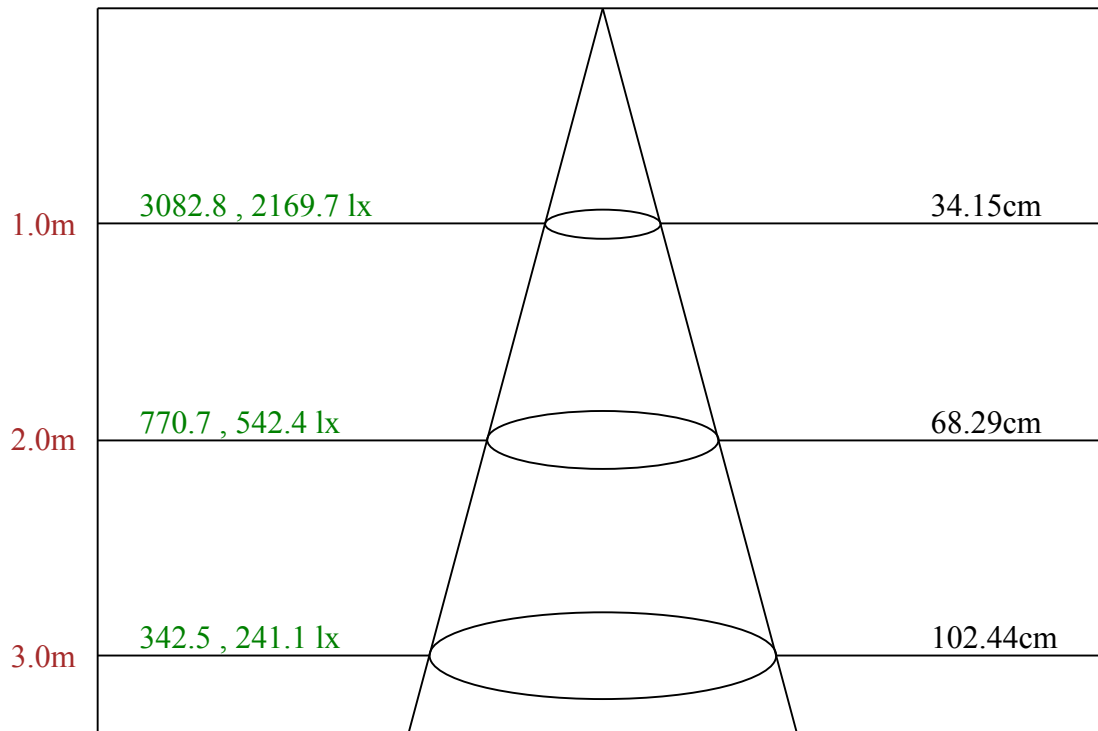
Equipment: equipamento lumini
Temperature(°C): 25.5

Date: 7/24/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90

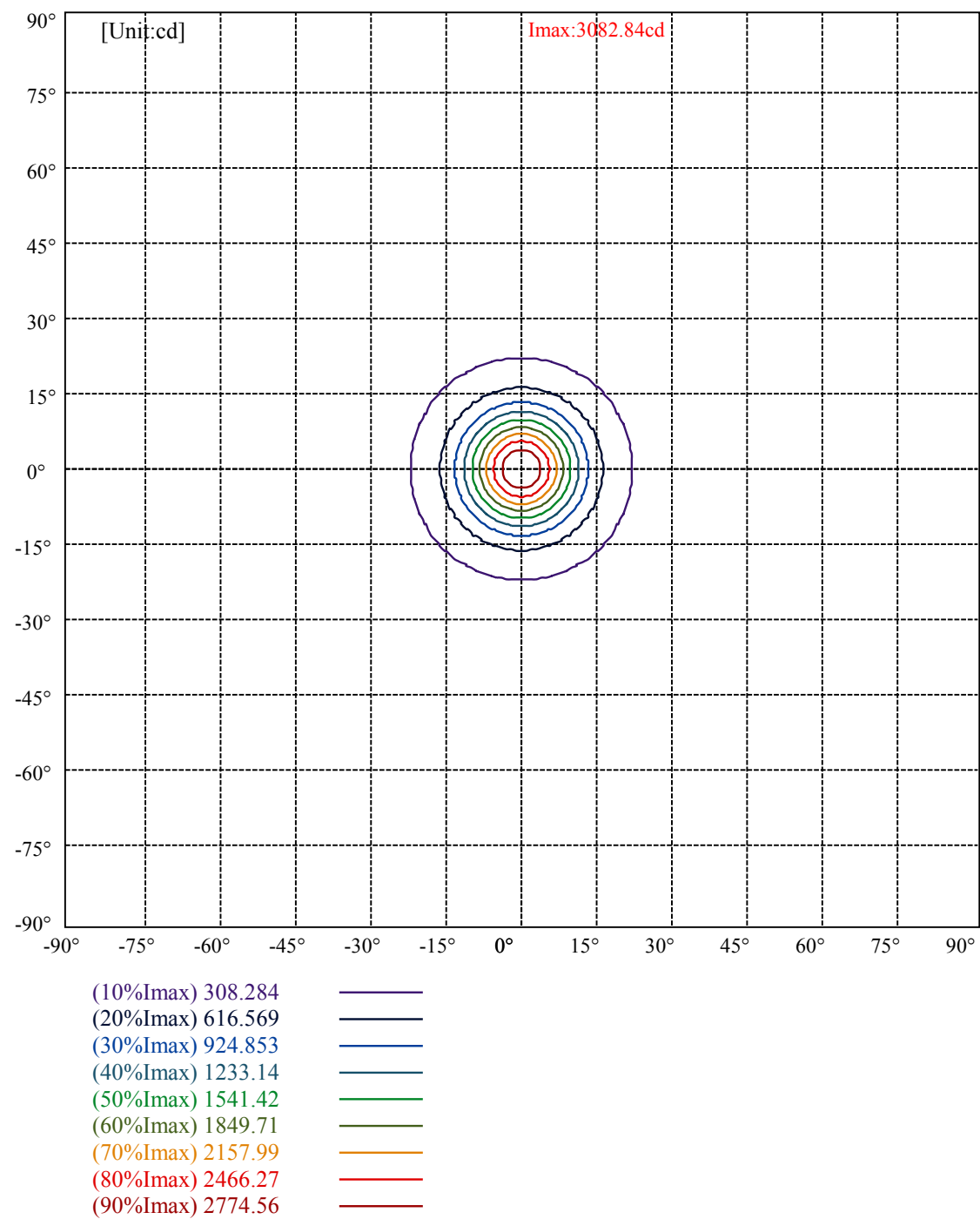


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 19.38



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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	3787	2551	1567	1131	951	1122	1472	2211	4336
C45	3787	2551	1567	1131	951	1122	1472	2211	4336
C90	3787	2551	1567	1131	951	1122	1472	2211	4336

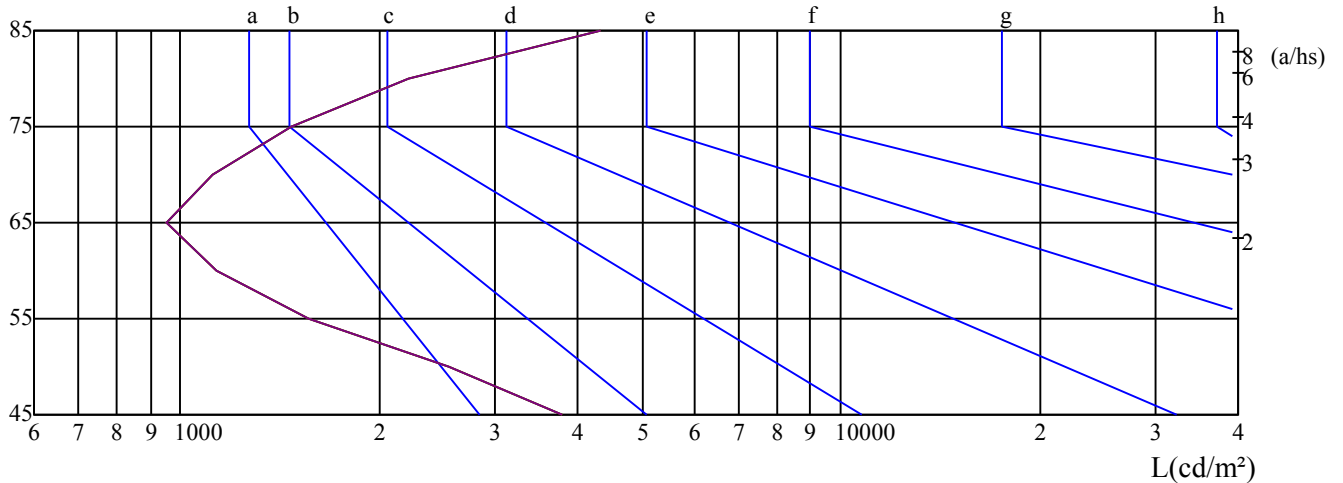
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
951	951	951	1472	1472	1472	4336	4336	4336

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): 25.5

Date: 7/24/2024
Humidity(%): 55.0%

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	8.38	9.30	8.74	9.61	9.93	9.00	9.92	9.36	10.23	10.55
	3H	8.45	9.27	8.84	9.61	9.95	9.04	9.86	9.42	10.19	10.54
	4H	8.64	9.40	9.05	9.76	10.12	9.19	9.95	9.59	10.30	10.67
	6H	9.10	9.79	9.52	10.17	10.57	9.59	10.29	10.01	10.66	11.06
	8H	9.47	10.13	9.89	10.51	10.92	9.92	10.58	10.34	10.97	11.38
	12H	10.00	10.63	10.43	11.02	11.44	10.42	11.05	10.85	11.44	11.86
4H	2H	8.20	8.96	8.60	9.31	9.68	8.80	9.56	9.20	9.91	10.28
	3H	8.38	9.01	8.81	9.41	9.83	8.93	9.56	9.35	9.96	10.38
	4H	8.78	9.33	9.22	9.75	10.20	9.27	9.81	9.70	10.24	10.69
	6H	9.48	9.96	9.95	10.42	10.87	9.89	10.38	10.37	10.83	11.29
	8H	10.07	10.52	10.56	10.98	11.45	10.44	10.88	10.92	11.34	11.82
	12H	10.87	11.28	11.36	11.74	12.26	11.21	11.62	11.70	12.07	12.60
8H	4H	8.88	9.33	9.37	9.79	10.27	9.33	9.78	9.82	10.24	10.71
	6H	9.88	10.24	10.39	10.72	11.24	10.23	10.60	10.74	11.08	11.59
	8H	10.74	11.05	11.28	11.57	12.07	11.05	11.35	11.58	11.87	12.37
	12H	11.83	12.06	12.38	12.58	13.10	12.10	12.33	12.65	12.85	13.38
12H	4H	8.94	9.35	9.43	9.80	10.33	9.37	9.78	9.86	10.24	10.76
	6H	10.09	10.39	10.63	10.92	11.42	10.42	10.73	10.96	11.25	11.75
	8H	11.04	11.27	11.58	11.78	12.31	11.31	11.55	11.86	12.06	12.59
Variation with the observer position at spacings:											
S = 1.0H		4.0/-3.8					4.0/-3.8				
S = 1.5H		5.6/-3.0					5.6/-3.0				
S = 2.0H		6.5/-2.4					6.5/-2.4				
Standard tables:		BK4					BK4				
Uncorrected UGR		-7.0					-7.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25