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LumCAT:

Luminaire: mini track darklight serie 3 fa

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): 9.9600

Lamp flux(lm): 716.0

PF: 0.4500

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 532.32, Efficiency(%): 74.35% , Luminous Efficacy(lm/W): 53.45

Central intensity(cd): 630.356, Maximum intensity(cd): 639.628

Angle of maximum intensity: C=0.0 γ =7.0

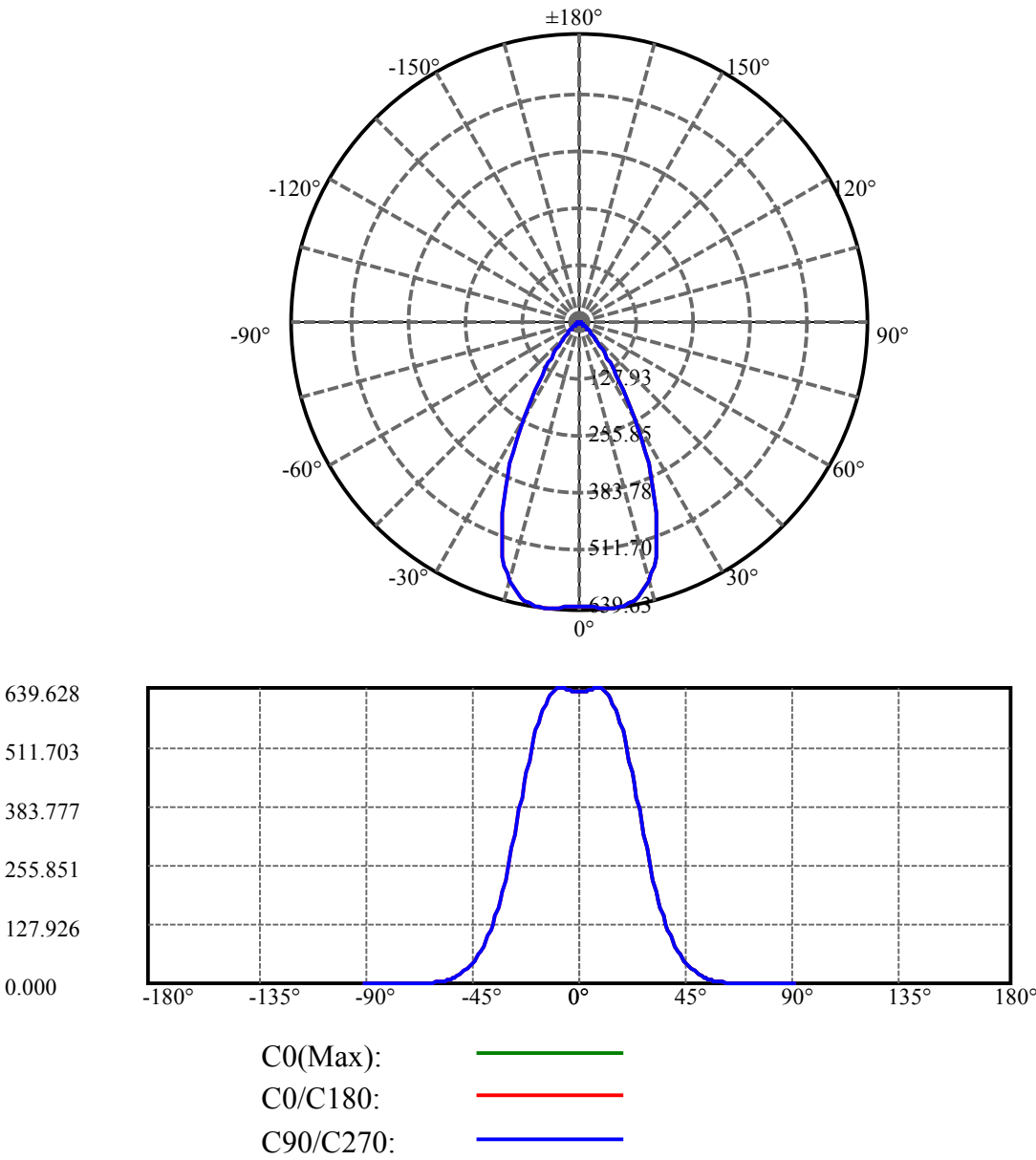
Beam angle of C0 plane : 54.47

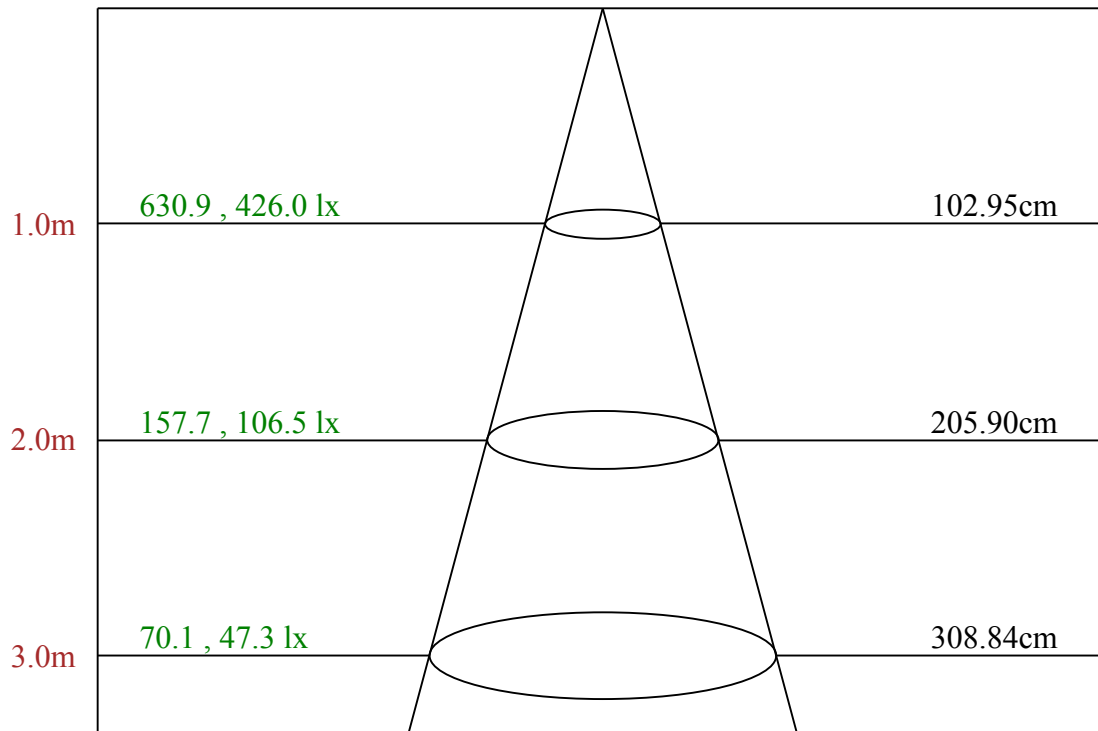
Aveage BeamAngle(IEC 61341):54.47

Equipment: equipamento lumini
Temperature(°C): 25.5

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

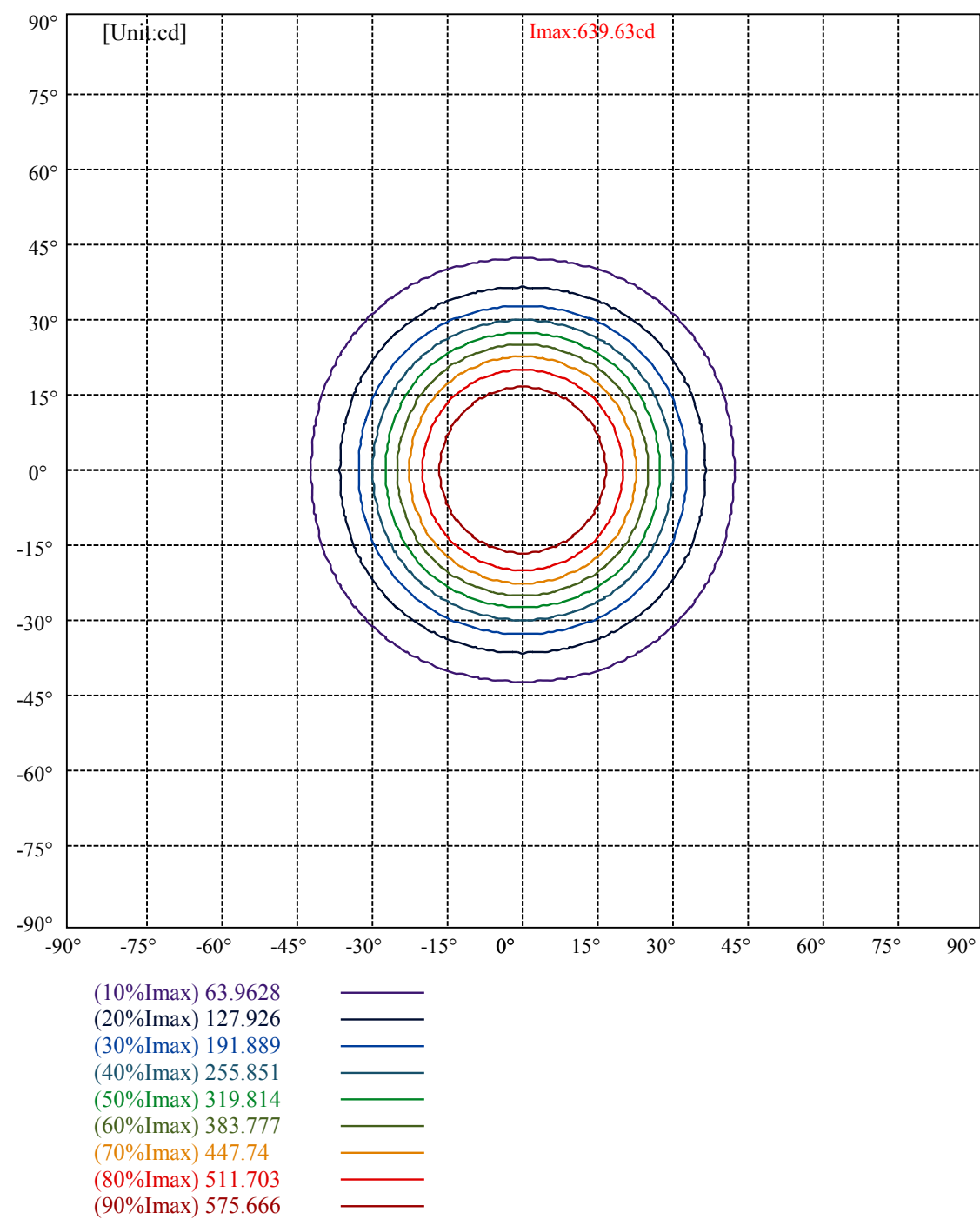
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 54.47



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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	14548	7476	2843	1071	810	940	1242	1816	3687
C45	14548	7476	2843	1071	810	940	1242	1816	3687
C90	14548	7476	2843	1071	810	940	1242	1816	3687

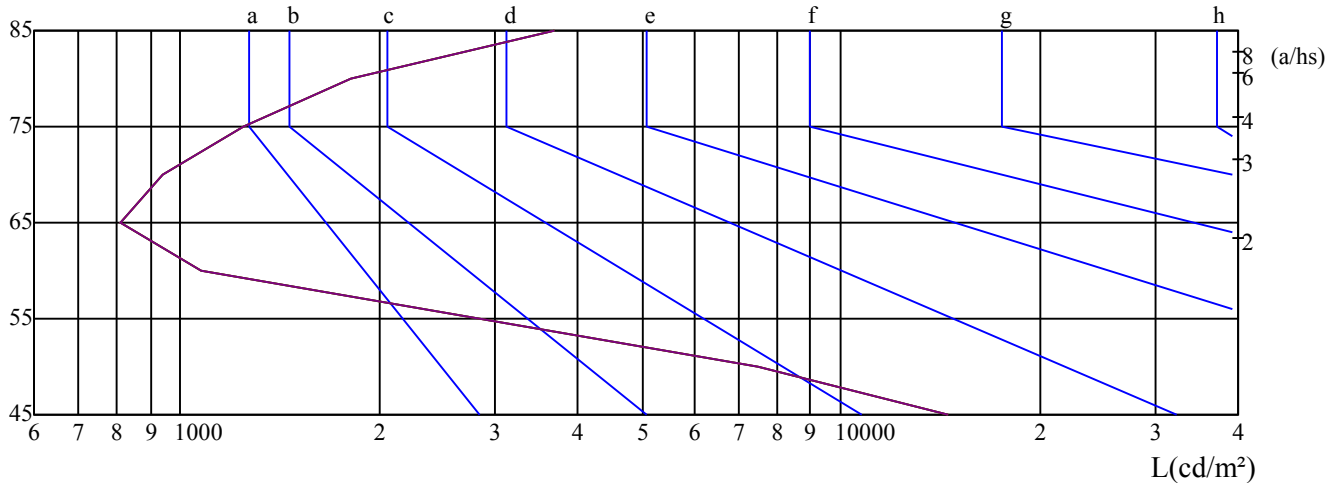
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
810	810	810	1242	1242	1242	3687	3687	3687

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	17.07	18.07	17.44	18.38	18.69	17.02	18.02	17.39	18.33	18.64
	3H	16.89	17.77	17.27	18.10	18.45	16.84	17.72	17.22	18.05	18.40
	4H	16.80	17.62	17.20	17.97	18.34	16.75	17.57	17.15	17.92	18.29
	6H	16.75	17.49	17.17	17.87	18.27	16.71	17.45	17.13	17.83	18.23
	8H	16.71	17.42	17.13	17.81	18.21	16.67	17.38	17.09	17.77	18.17
	12H	16.70	17.37	17.12	17.76	18.18	16.66	17.33	17.09	17.73	18.15
4H	2H	16.78	17.60	17.18	17.95	18.32	16.74	17.55	17.14	17.90	18.27
	3H	16.57	17.25	16.99	17.64	18.06	16.52	17.20	16.95	17.59	18.01
	4H	16.53	17.11	16.96	17.53	17.98	16.48	17.07	16.92	17.49	17.94
	6H	16.45	16.97	16.93	17.42	17.87	16.42	16.93	16.89	17.38	17.84
	8H	16.46	16.93	16.94	17.39	17.87	16.42	16.90	16.91	17.36	17.83
	12H	16.51	16.95	17.00	17.40	17.92	16.49	16.93	16.98	17.38	17.90
8H	4H	16.34	16.82	16.83	17.28	17.76	16.30	16.78	16.79	17.24	17.71
	6H	16.29	16.69	16.80	17.16	17.68	16.26	16.65	16.76	17.13	17.64
	8H	16.38	16.71	16.91	17.23	17.73	16.35	16.68	16.89	17.21	17.70
	12H	16.51	16.77	17.05	17.28	17.80	16.49	16.75	17.04	17.27	17.79
12H	4H	16.30	16.74	16.79	17.19	17.71	16.26	16.70	16.75	17.15	17.67
	6H	16.30	16.63	16.83	17.15	17.65	16.27	16.60	16.80	17.12	17.62
	8H	16.37	16.63	16.91	17.15	17.67	16.35	16.60	16.89	17.12	17.64
Variation with the observer position at spacings:											
S = 1.0H		4.2/-9.4					4.2/-9.4				
S = 1.5H		6.8/-10.5					6.8/-10.5				
S = 2.0H		8.7/-9.0					8.7/-9.0				
Standard tables:		BK0					BK0				
Uncorrected UGR		-1.8					-1.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25