



mini linea w

em diálogo com as demandas contemporâneas por soluções de iluminação técnica mais compactas e discretas, que integram a luz aos projetos de maneira mais harmônica. ocupando menor espaço visual mas, ainda assim, garantindo um desempenho técnico eficiente, as luminárias possuem visual leve, com eficiência luminosa que realça texturas, cria efeitos de luz e sombra e proporciona conforto visual. com variações em modelo pendente (s), embutido (e), aplicada (c) que admitem a possibilidade de conectividade em sistemas, além das versões de parede (w1 e w2), a mini linea apresenta versatilidade de instalação que, junto à simplicidade de seu design, garante fácil adaptação a diferentes tipologias de projeto (do residencial ao corporativo).

informações técnicas

fonte de luz
LED integrado

IRC
alto índice de reprodução de cor (irc>90 | r9>60)

vida útil
30.000h/50.000h

facho

concentrado (10 a 20°)
médio (21 a 45°)
aberto (> 46°)
difuso

potência	facho	temperatura de...	fluxo luminoso...	fluxo luminoso útil	dimensões
15 W/m	difuso (down)	2500			
15 W/m	difuso (down)	2700			
15 W/m	difuso (down)	3000	1414 lm/m	879 lm/m	
25 W/m	difuso (down)	2500			
25 W/m	difuso (down)	2700			
25 W/m	difuso (down)	3000	3496 lm/m	2193 lm/m	
25 W/m	difuso (down)	4000			
30 W/m	difuso (down)	2500			
30 W/m	difuso (down)	2700			
30 W/m	difuso (down)	3000	2828 lm/m	1524 lm/m	
5 W/m	difuso (up)	2500			
5 W/m	difuso (up)	2700			
5 W/m	difuso (up)	3000	506 lm/m	290 lm/m	
10 W/m	difuso (up)	2500			
10 W/m	difuso (up)	2700			
10 W/m	difuso (up)	3000	1012 lm/m	538 lm/m	
15 W/m	difuso (up)	2500			
15 W/m	difuso (up)	2700			
15 W/m	difuso (up)	3000	1492 lm/m	871 lm/m	
25 W/m	difuso (up)	2500			
25 W/m	difuso (up)	2700			
25 W/m	difuso (up)	3000	3496 lm/m	2148 lm/m	
25 W/m	difuso (up)	4000			
30 W/m	difuso (up)	2500			
30 W/m	difuso (up)	2700			

30 W/m

difuso (up)

3000

2984 lm/m

1591 lm/m

equipamentos

LED line driver 12V (dentro do produto)

LED driver 700mA (dentro do produto)

controle

on/off

dim fphase

dim dali

dim 1-10V

instalação

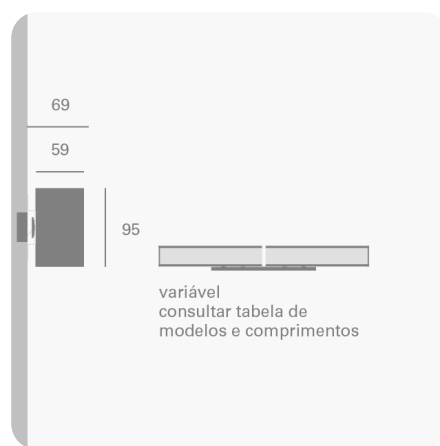
forro de gesso

marcenaria

laje

IP

20

dimensões


modelo	comprimento (mm)
mini linea diffuse 50 w	510
mini linea diffuse 100 w	1010
mini linea diffuse 150 w	1510
mini linea diffuse 200 w	2010
mini linea diffuse 250 w	2510
mini linea diffuse 300 w	3010

acabamentos e cores
cores




mini linea diffuse w

em diálogo com as demandas contemporâneas por soluções de iluminação técnica mais compactas e discretas, que integram a luz aos projetos de maneira mais harmônica. ocupando menor espaço visual mas, ainda assim, garantindo um desempenho técnico eficiente, as luminárias possuem visual leve, com eficiência luminosa que realça texturas, cria efeitos de luz e sombra e proporciona conforto visual. com variações em modelo pendente (s), embutido (e), aplicada (c) que admitem a possibilidade de conectividade em sistemas, além das versões de parede (w1 e w2), a mini linea apresenta versatilidade de instalação que, junto à simplicidade de seu design, garante fácil adaptação a diferentes tipologias de projeto (do residencial ao corporativo).

informações técnicas

fonte de luz
LED integrado

IRC
alto índice de reprodução de cor (irc>90 | r9>60)

vida útil
30.000h/50.000h

facho

concentrado (10 a 20°)
médio (21 a 45°)
aberto (> 46°)
difuso

potência	facho	temperatura de...	fluxo luminoso...	fluxo luminoso útil	dimensões
15 W/m	difuso (down)	2500			conforme tabela
15 W/m	difuso (down)	2700			conforme tabela
15 W/m	difuso (down)	3000	1414 lm/m	879 lm/m	conforme tabela
25 W/m	difuso (down)	2500			conforme tabela
25 W/m	difuso (down)	2700			conforme tabela
25 W/m	difuso (down)	3000	3496 lm/m	2193 lm/m	conforme tabela
25 W/m	difuso (down)	4000			conforme tabela
2x15 W/m	difuso (down)	2500			conforme tabela
2x15 W/m	difuso (down)	2700			conforme tabela
2x15 W/m	difuso (down)	3000	2828 lm/m	1524 lm/m	conforme tabela
5 W/m	difuso (up)	2500			conforme tabela
5 W/m	difuso (up)	2700			conforme tabela
5 W/m	difuso (up)	3000	506 lm/m	290 lm/m	conforme tabela
2x5 W/m	difuso (up)	2500			conforme tabela
2x5 W/m	difuso (up)	2700			conforme tabela
2x5 W/m	difuso (up)	3000	1012 lm/m	538 lm/m	conforme tabela
15 W/m	difuso (up)	2500			conforme tabela
15 W/m	difuso (up)	2700			conforme tabela
15 W/m	difuso (up)	3000	1492 lm/m	871 lm/m	conforme tabela
25 W/m	difuso (up)	2500			conforme tabela
25 W/m	difuso (up)	2700			conforme tabela
25 W/m	difuso (up)	3000	3496 lm/m	2148 lm/m	conforme tabela
25 W/m	difuso (up)	4000			conforme tabela
2x15 W/m	difuso (up)	2500			conforme tabela
2x15 W/m	difuso (up)	2700			conforme tabela

2x15 W/m

difuso (up)

3000

2984 lm/m

1591 lm/m

conforme tabela

equipamentos

LED line driver 12V (dentro do produto)

LED driver 700mA (dentro do produto)

controle

on/off

dim fphase

dim dali

dim 1-10V

instalação

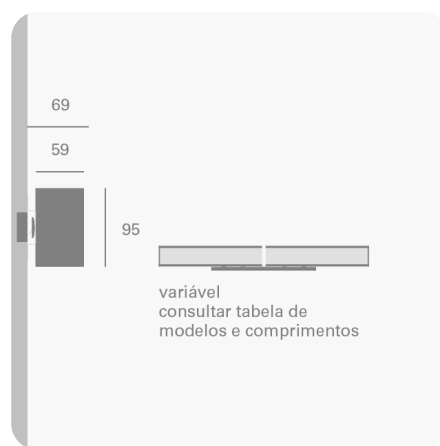
forro de gesso

marcenaria

laje

IP

20

dimensões


modelo	comprimento (mm)
mini linea diffuse 50 w	510
mini linea diffuse 100 w	1010
mini linea diffuse 150 w	1510
mini linea diffuse 200 w	2010
mini linea diffuse 250 w	2510
mini linea diffuse 300 w	3010

acabamentos e cores
cores




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LumCAT:

Luminaire: mini linea diffuse 50 down w1 sr2 7.5W

LampCAT: modulo led 15Wm 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.7900

Test No:

Current(A): 0.1000

Number of Lamps: 1

Power (W): 11.7400

Lamp flux(lm): 707.0

PF: 0.9150

Length(mm): 500

Width(mm): 50

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 439.50, Efficiency(%): 62.16% , Luminous Efficacy(lm/W): 37.44

Central intensity(cd): 158.767, Maximum intensity(cd): 158.767

Angle of maximum intensity: C=0.0 γ =0.0

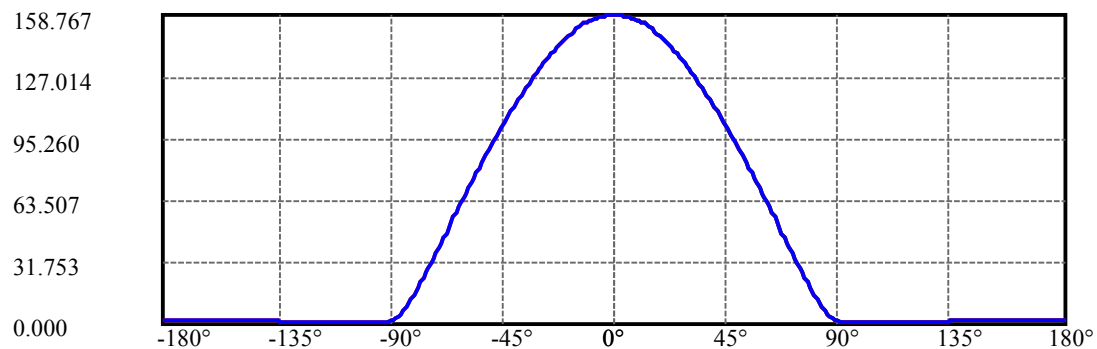
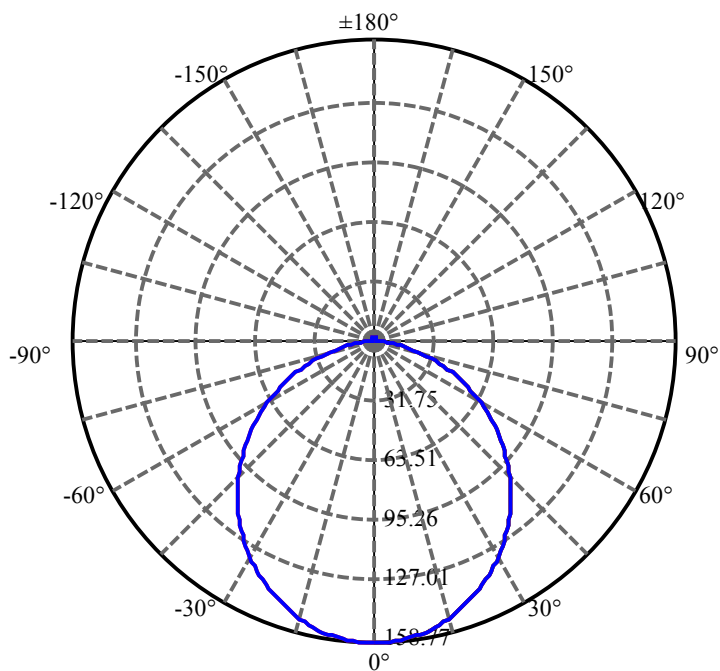
Beam angle of C0 plane : 108.47

Aveage BeamAngle(IEC 61341):108.47

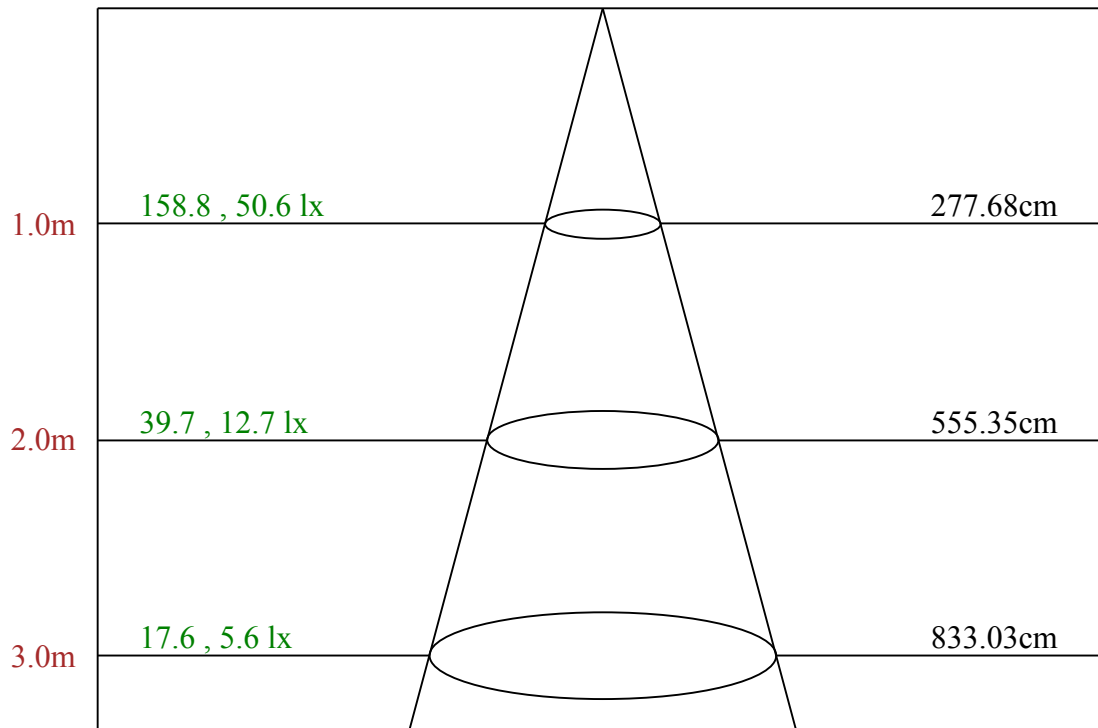
Equipment: equipamento lumini
Temperature(°C): 26.8

Date: 17/03/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90

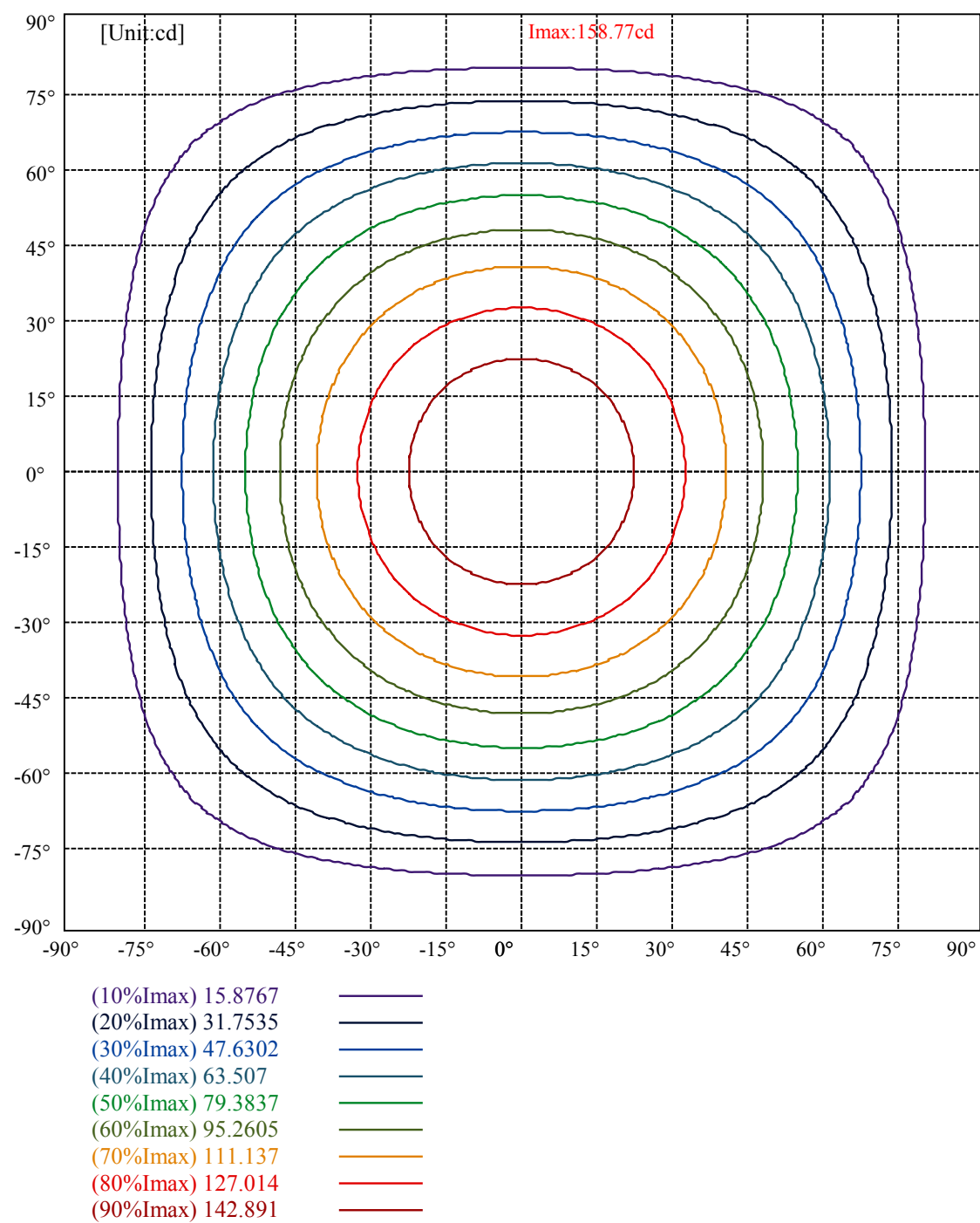


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 108.47



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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	5711	5563	5410	5201	4915	4561	4063	3349	2450
C45	5711	5563	5410	5201	4915	4561	4063	3349	2450
C90	5711	5563	5410	5201	4915	4561	4063	3349	2450

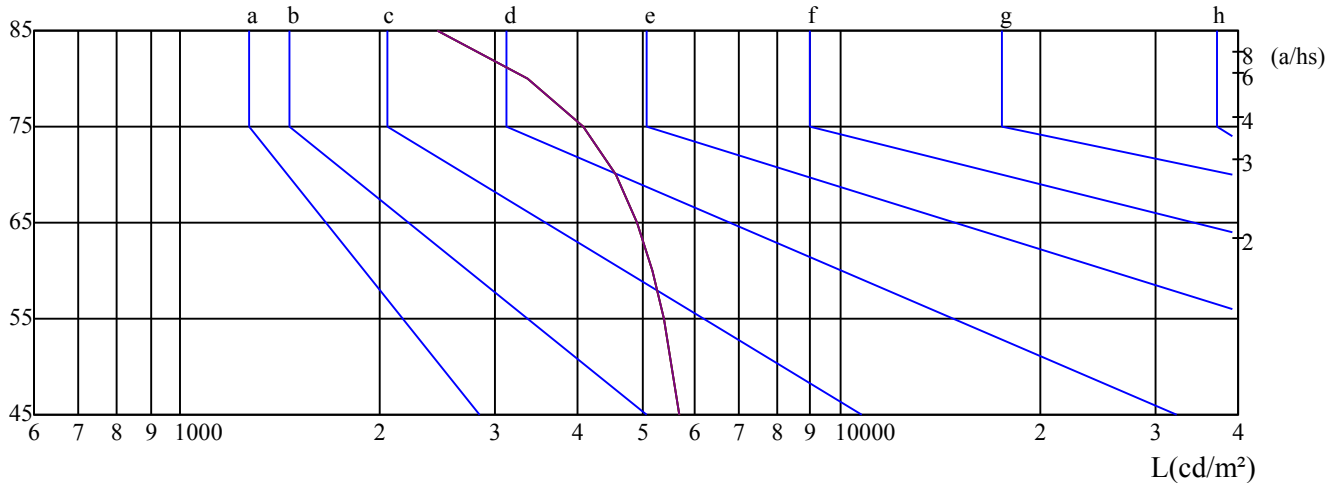
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4915	4915	4915	4063	4063	4063	2450	2450	2450

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): 26.8

Date: 17/03/2025
Humidity(%): 58.0%

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	17.87	19.45	18.26	19.81	20.17	18.32	19.89	18.71	20.25	20.61
	3H	19.32	20.75	19.73	21.13	21.52	19.96	21.39	20.37	21.77	22.15
	4H	19.78	21.12	20.20	21.51	21.92	20.54	21.88	20.97	22.28	22.68
	6H	20.07	21.31	20.50	21.72	22.16	20.94	22.19	21.38	22.59	23.03
	8H	20.09	21.30	20.53	21.71	22.16	21.02	22.23	21.46	22.64	23.09
	12H	20.07	21.23	20.52	21.65	22.11	21.05	22.20	21.49	22.63	23.08
4H	2H	18.62	19.96	19.04	20.35	20.76	18.97	20.31	19.39	20.70	21.11
	3H	20.21	21.35	20.66	21.78	22.23	20.75	21.89	21.19	22.31	22.77
	4H	20.82	21.83	21.28	22.28	22.77	21.48	22.50	21.95	22.95	23.43
	6H	21.15	22.06	21.64	22.53	23.02	21.94	22.84	22.43	23.32	23.80
	8H	21.23	22.08	21.74	22.56	23.06	22.08	22.93	22.58	23.41	23.91
	12H	21.26	22.04	21.76	22.51	23.06	22.16	22.95	22.67	23.42	23.96
8H	4H	21.08	21.92	21.58	22.40	22.91	21.68	22.52	22.18	23.00	23.51
	6H	21.51	22.22	22.03	22.72	23.26	22.23	22.93	22.75	23.43	23.98
	8H	21.69	22.30	22.23	22.84	23.37	22.48	23.09	23.02	23.63	24.16
	12H	21.73	22.25	22.28	22.79	23.35	22.60	23.12	23.15	23.66	24.21
12H	4H	21.10	21.88	21.61	22.36	22.90	21.68	22.47	22.19	22.94	23.49
	6H	21.60	22.22	22.14	22.76	23.29	22.30	22.92	22.84	23.46	23.99
	8H	21.76	22.28	22.31	22.82	23.37	22.53	23.05	23.08	23.59	24.14
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.3/-0.6				
S = 1.5H		0.6/-0.7					0.6/-0.7				
S = 2.0H		0.8/-0.8					0.8/-0.8				
Standard tables:		BK3					BK3				
Uncorrected UGR		3.7					3.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 down w1 sr2 12.5W

LampCAT: modulo led 25Wm 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7600

Test No:

Current(A): 0.1510

Number of Lamps: 1

Power (W): 17.0680

Lamp flux(lm): 1748.0

PF: 0.8850

Length(mm): 500

Width(mm): 50

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1096.29, Efficiency(%): 62.72% , Luminous Efficacy(lm/W): 64.23

Central intensity(cd): 396.365, Maximum intensity(cd): 396.365

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

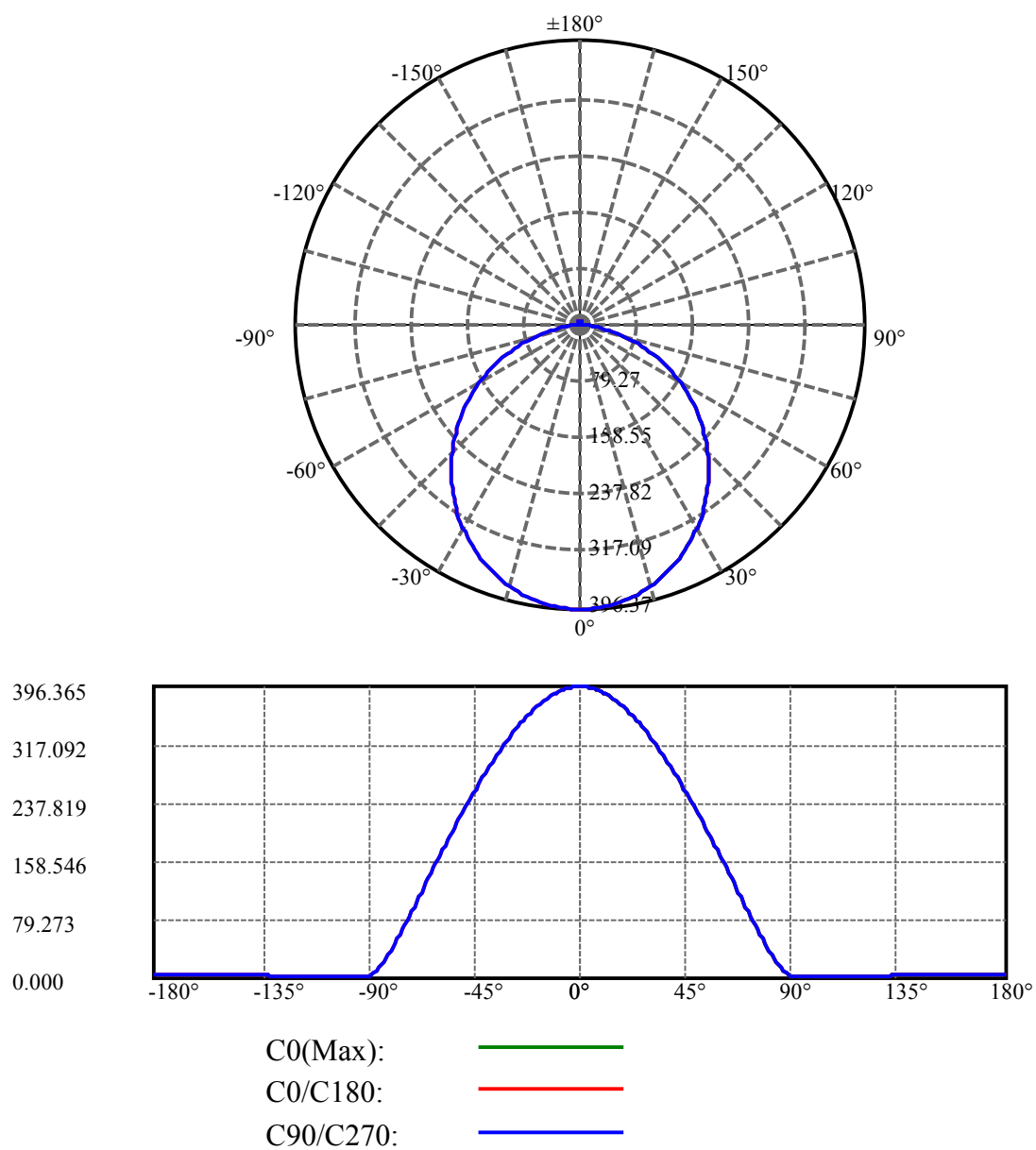
Beam angle of C0 plane : 108.45

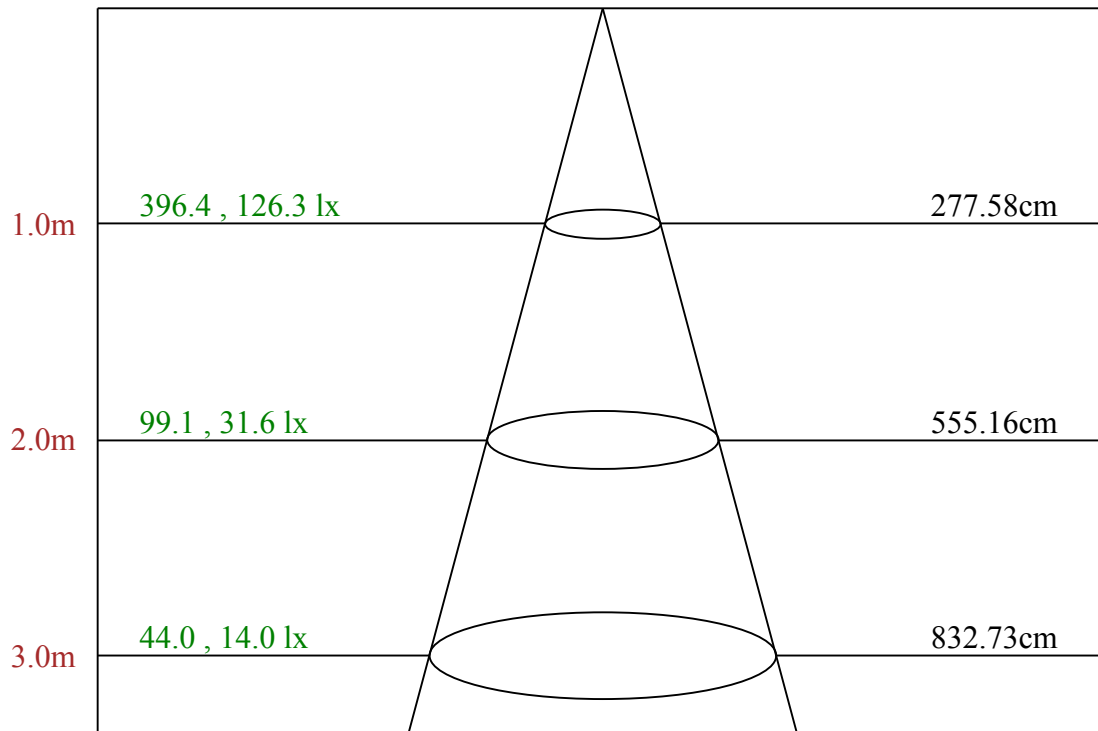
Average BeamAngle(IEC 61341): 108.45

Equipment: equipamento lumini
Temperature(°C): 26.8

Date: 15/03/2025
Humidity(%): 58.0%

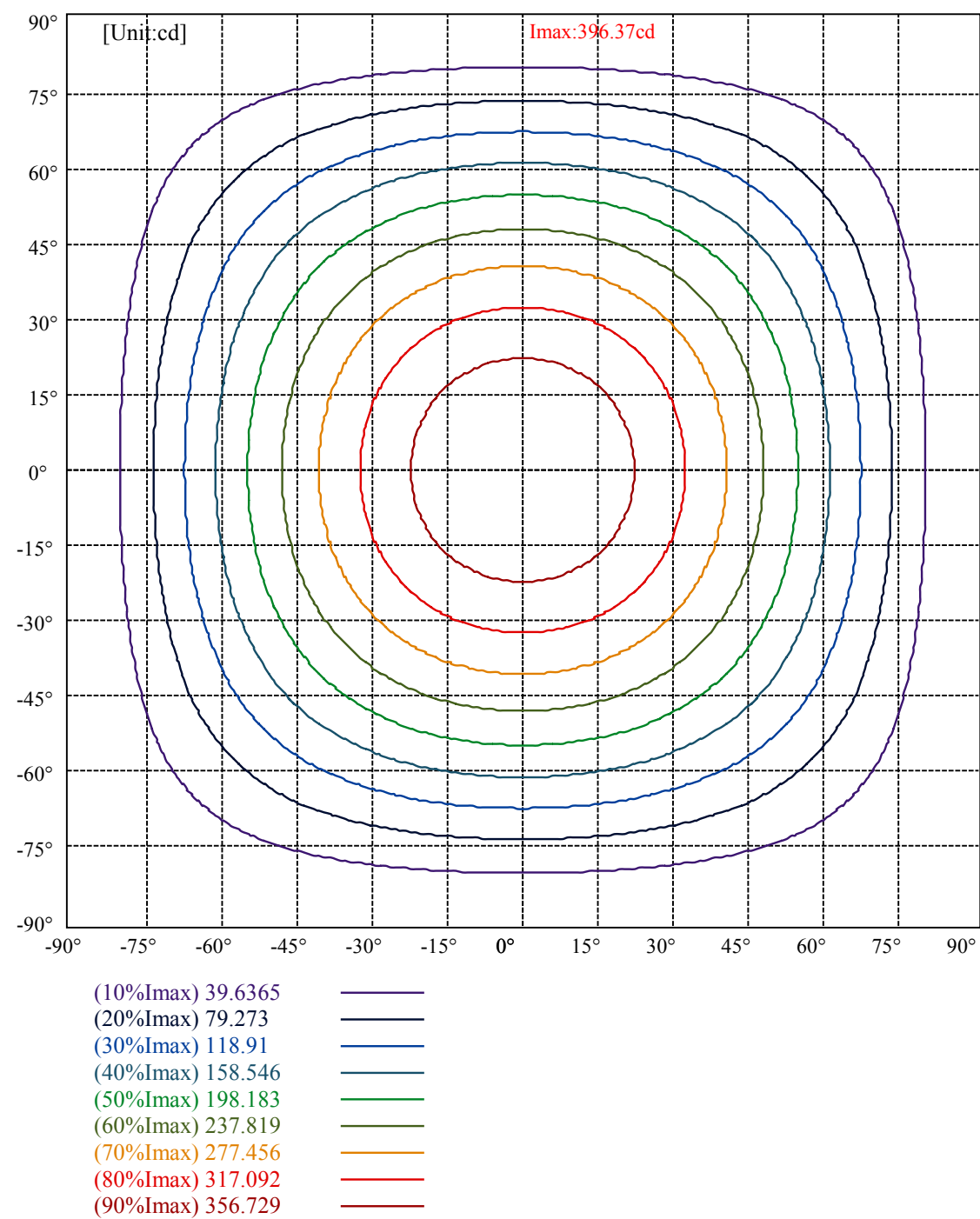
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 108.45



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

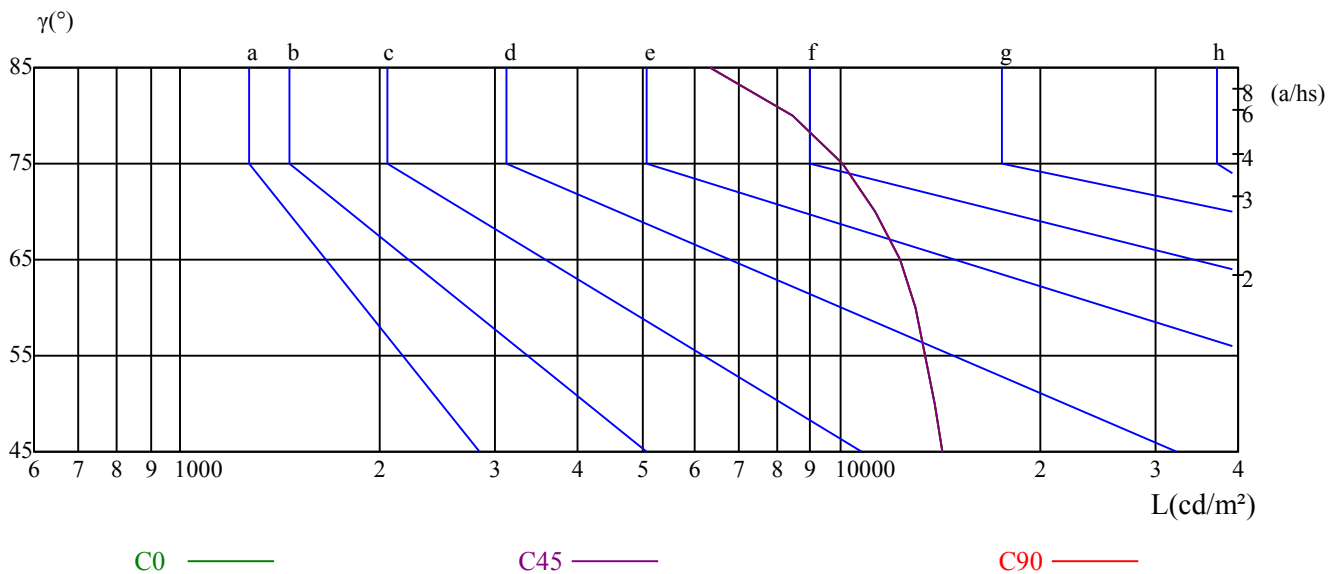
γ	45	50	55	60	65	70	75	80	85
C0	14229	13904	13461	12948	12278	11315	10096	8438	6342
C45	14229	13904	13461	12948	12278	11315	10096	8438	6342
C90	14229	13904	13461	12948	12278	11315	10096	8438	6342

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
12278	12278	12278	10096	10096	10096	6342	6342	6342

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



Equipment: equipamento lumini
Temperature($^{\circ}\text{C}$): 26.8

Date: 15/03/2025
Humidity(%): 58.0%

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	21.41	22.99	21.80	23.35	23.71	21.66	23.24	22.05	23.59	23.96
	3H	22.96	24.38	23.37	24.76	25.15	23.32	24.75	23.74	25.13	25.52
	4H	23.49	24.83	23.91	25.22	25.63	23.91	25.25	24.33	25.64	26.05
	6H	23.85	25.09	24.28	25.50	25.94	24.33	25.57	24.76	25.98	26.42
	8H	23.91	25.12	24.35	25.53	25.98	24.42	25.62	24.86	26.03	26.48
	12H	23.93	25.08	24.38	25.51	25.96	24.44	25.60	24.89	26.02	26.48
4H	2H	22.18	23.52	22.61	23.92	24.33	22.37	23.71	22.80	24.11	24.52
	3H	23.87	25.01	24.32	25.44	25.89	24.17	25.32	24.62	25.74	26.20
	4H	24.57	25.58	25.03	26.03	26.52	24.92	25.94	25.39	26.39	26.87
	6H	24.99	25.89	25.48	26.37	26.85	25.41	26.31	25.90	26.79	27.28
	8H	25.11	25.96	25.62	26.44	26.95	25.57	26.41	26.07	26.89	27.40
	12H	25.18	25.97	25.69	26.44	26.99	25.65	26.43	26.16	26.91	27.45
8H	4H	24.86	25.70	25.36	26.19	26.69	25.18	26.02	25.68	26.50	27.01
	6H	25.40	26.11	25.92	26.61	27.15	25.78	26.49	26.30	26.99	27.53
	8H	25.64	26.25	26.18	26.79	27.33	26.05	26.66	26.59	27.21	27.74
	12H	25.75	26.27	26.30	26.81	27.36	26.18	26.70	26.73	27.24	27.79
12H	4H	24.89	25.67	25.40	26.15	26.69	25.20	25.98	25.70	26.45	27.00
	6H	25.51	26.12	26.05	26.67	27.20	25.88	26.49	26.42	27.03	27.57
	8H	25.73	26.25	26.28	26.80	27.35	26.13	26.65	26.68	27.19	27.74
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.3/-0.6				
S = 1.5H		0.6/-0.7					0.6/-0.7				
S = 2.0H		0.8/-0.8					0.8/-0.8				
Standard tables:		BK3					BK3				
Uncorrected UGR		6.9					6.9				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 down w1 sr2 15W

LampCAT: modulo led 30Wm 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.6400

Test No:

Current(A): 0.1680

Number of Lamps: 1

Power (W): 21.1400

Lamp flux(lm): 1414.0

PF: 0.9850

Length(mm): 505

Width(mm): 56

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 762.24, Efficiency(%): 53.91% , Luminous Efficacy(lm/W): 36.06

Central intensity(cd): 273.151, Maximum intensity(cd): 273.151

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

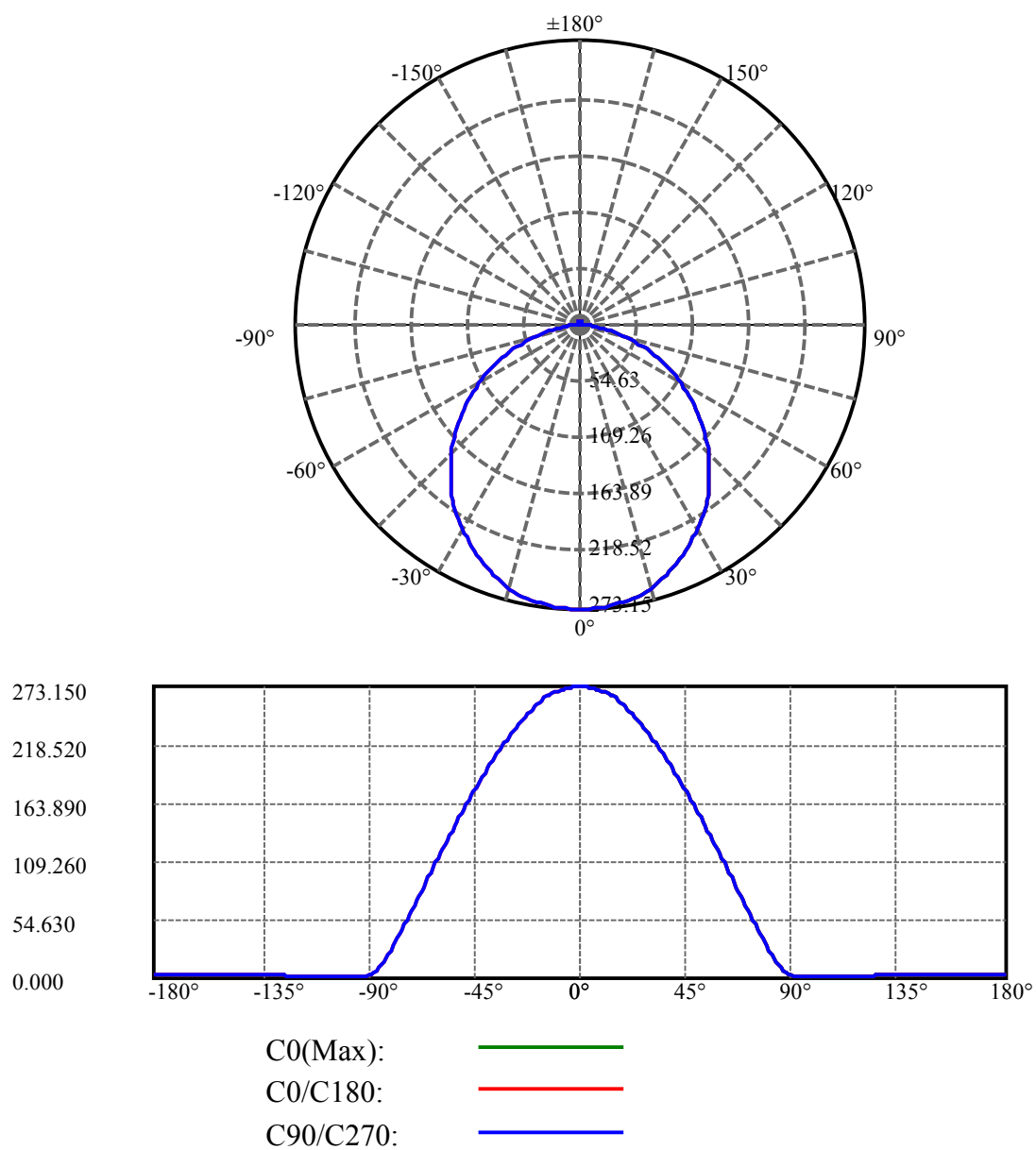
Beam angle of C0 plane : 108.53

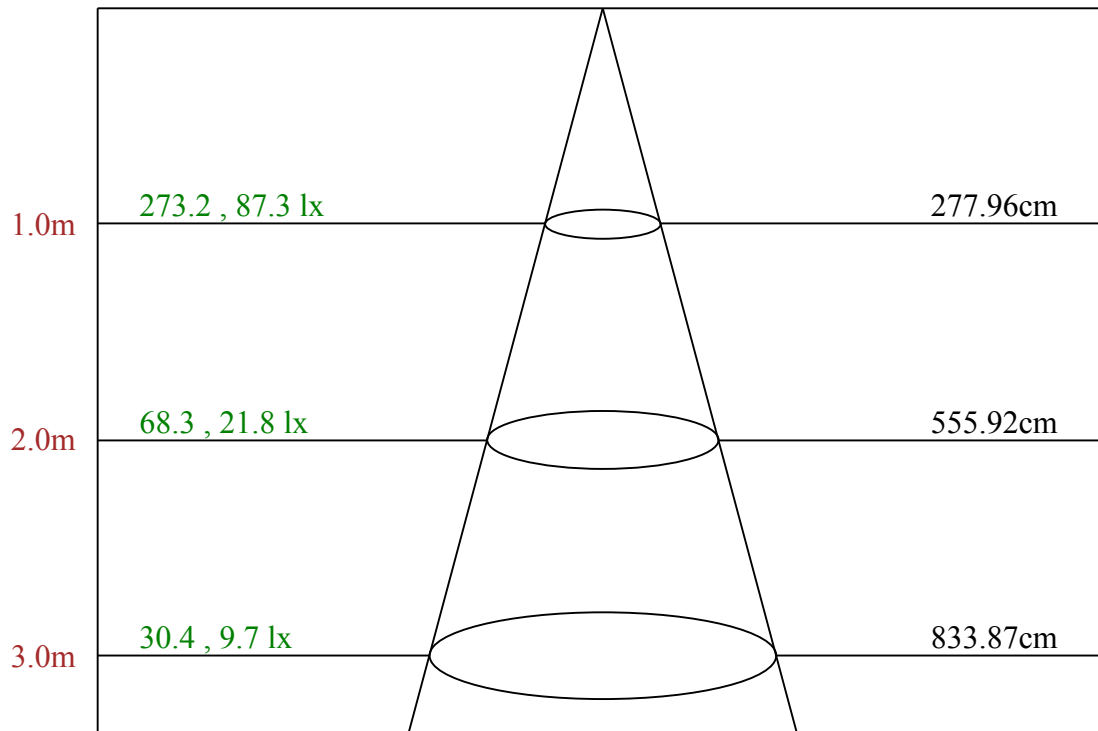
Average BeamAngle(IEC 61341): 108.53

Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 01/09/2025
Humidity(%): 58.0%

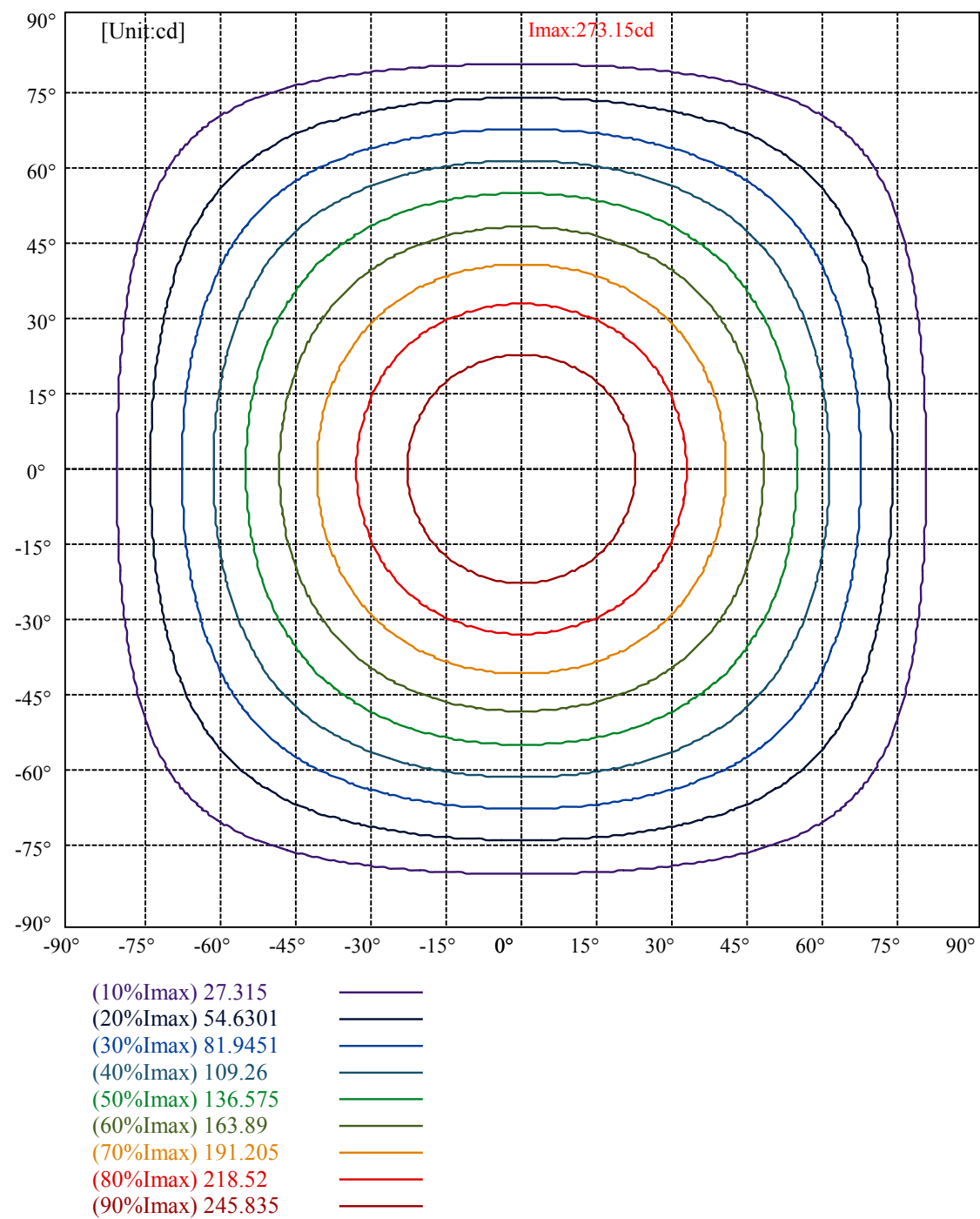
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 108.53



Luminance Table

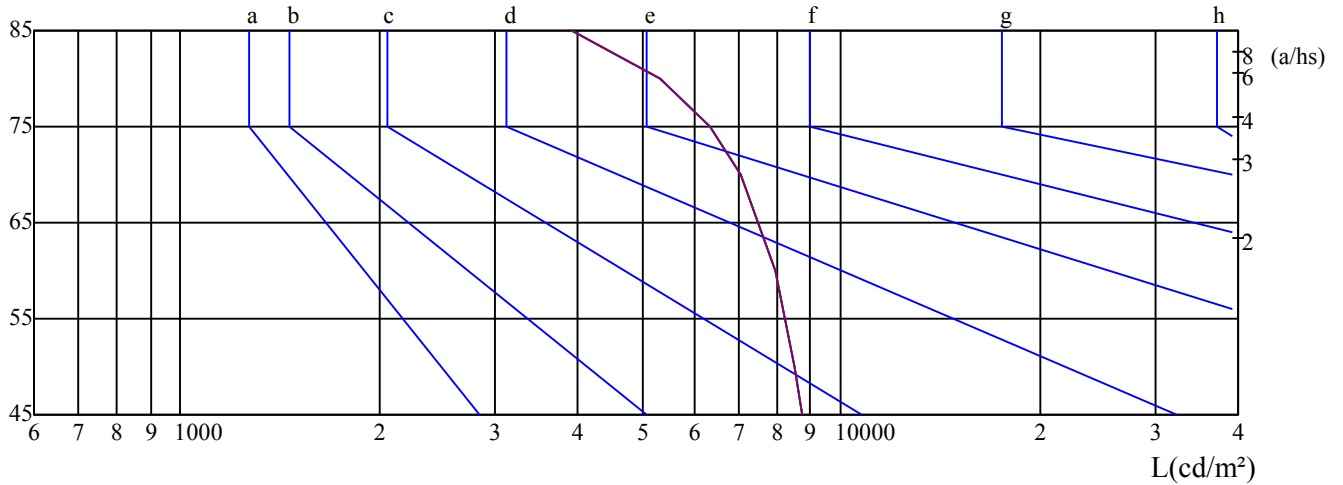
γ	45	50	55	60	65	70	75	80	85
C0	8738	8498	8223	7935	7518	7050	6357	5320	3924
C45	8738	8498	8223	7935	7518	7050	6357	5320	3924
C90	8738	8498	8223	7935	7518	7050	6357	5320	3924

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7518	7518	7518	6357	6357	6357	3924	3924	3924

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 ———

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	19.88	21.45	20.27	21.81	22.18	19.90	21.47	20.29	21.84	22.20
	3H	21.53	22.96	21.95	23.34	23.74	21.58	23.00	21.99	23.39	23.78
	4H	22.15	23.49	22.58	23.89	24.30	22.18	23.52	22.60	23.91	24.33
	6H	22.61	23.86	23.05	24.27	24.71	22.62	23.86	23.05	24.27	24.72
	8H	22.74	23.94	23.18	24.36	24.81	22.72	23.92	23.17	24.34	24.79
	12H	22.80	23.95	23.25	24.38	24.84	22.76	23.92	23.21	24.34	24.80
4H	2H	20.62	21.96	21.05	22.36	22.77	20.64	21.98	21.07	22.38	22.79
	3H	22.43	23.57	22.88	24.00	24.46	22.46	23.61	22.91	24.03	24.49
	4H	23.22	24.23	23.69	24.69	25.17	23.23	24.24	23.70	24.70	25.19
	6H	23.75	24.65	24.24	25.13	25.62	23.74	24.65	24.24	25.12	25.62
	8H	23.94	24.79	24.45	25.27	25.78	23.92	24.76	24.42	25.24	25.75
	12H	24.07	24.85	24.58	25.33	25.88	24.02	24.80	24.53	25.28	25.83
8H	4H	23.51	24.35	24.02	24.84	25.35	23.52	24.36	24.02	24.85	25.36
	6H	24.17	24.87	24.69	25.38	25.92	24.16	24.86	24.68	25.37	25.91
	8H	24.48	25.10	25.03	25.64	26.18	24.45	25.07	24.99	25.61	26.15
	12H	24.67	25.19	25.22	25.73	26.29	24.60	25.12	25.16	25.67	26.22
12H	4H	23.54	24.32	24.05	24.80	25.35	23.55	24.33	24.06	24.81	25.36
	6H	24.28	24.89	24.82	25.44	25.97	24.27	24.88	24.81	25.43	25.96
	8H	24.58	25.10	25.14	25.65	26.20	24.55	25.07	25.10	25.62	26.17
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.3/-0.6				
S = 1.5H		0.6/-0.6					0.6/-0.6				
S = 2.0H		0.8/-0.8					0.8/-0.8				
Standard tables:		BK3					BK3				
Uncorrected UGR		5.2					5.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 up w1 sr2 2.5W

LampCAT: modulo led 5W/m 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.8600

Test No:

Current(A): 0.0400

Number of Lamps: 1

Power (W): 3.9440

Lamp flux(lm): 253.0

PF: 0.7740

Length(mm): 505

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 144.92, Efficiency(%): 57.28% , Luminous Efficacy(lm/W): 36.74

Central intensity(cd): 46.075, Maximum intensity(cd): 46.098

Angle of maximum intensity: $C=0.0$ $\gamma=1.0$

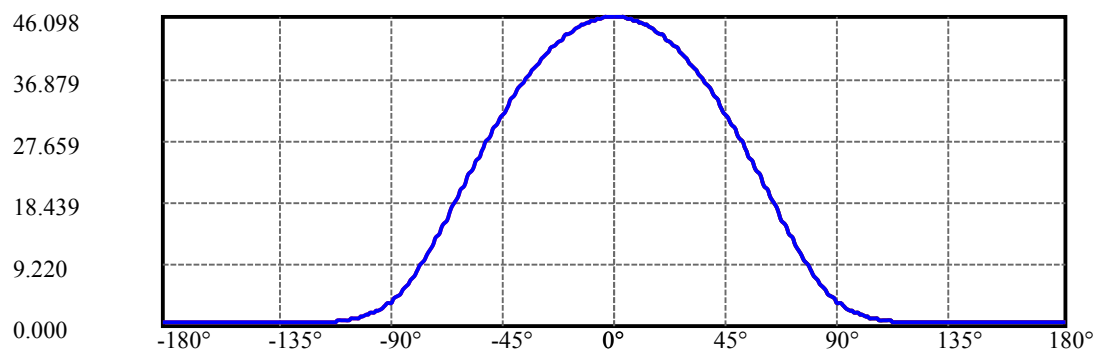
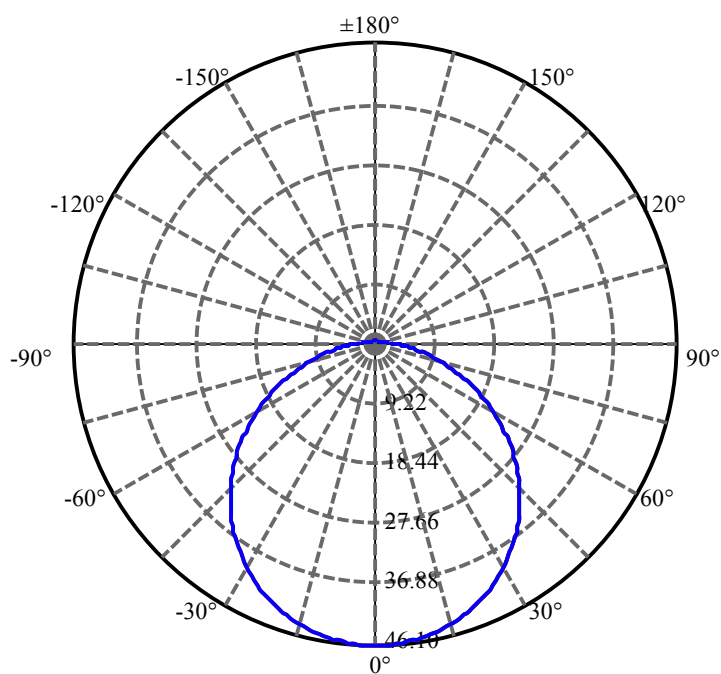
Beam angle of C0 plane : 114.56

Aveage BeamAngle(IEC 61341):114.56

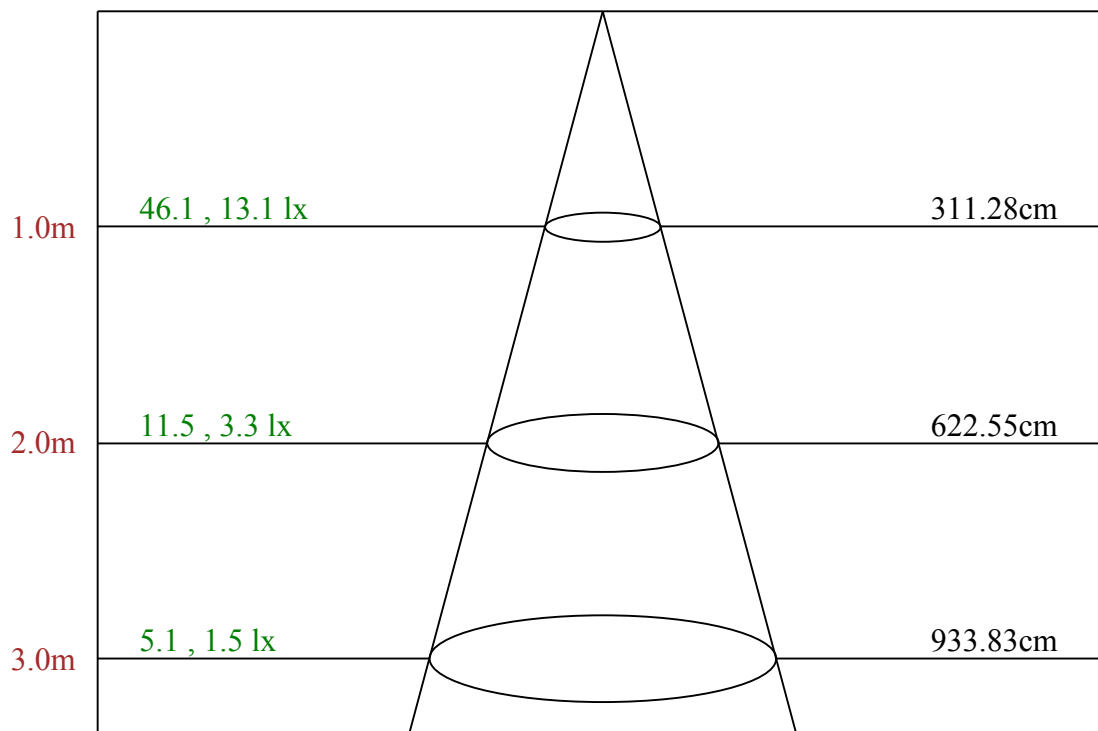
Equipment: equipamento lumini
Temperature(°C): 26.2

Date: 22/04/2025
Humidity(%): 56.0%

Operator: 01
Distance(m): 6.90

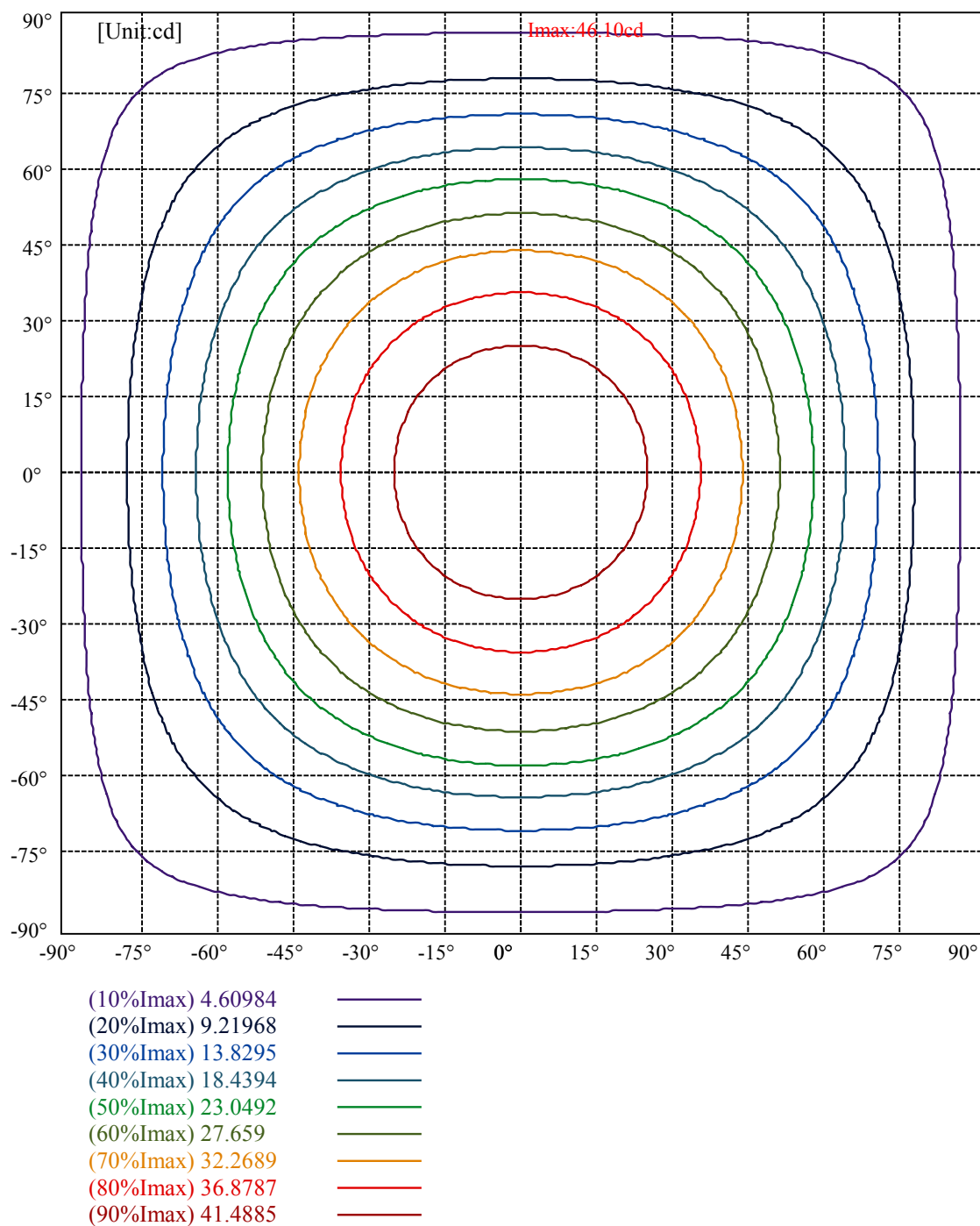


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 114.56



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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	5525	5458	5355	5246	5131	5044	5018	5351	7101
C45	5525	5458	5355	5246	5131	5044	5018	5351	7101
C90	5525	5458	5355	5246	5131	5044	5018	5351	7101

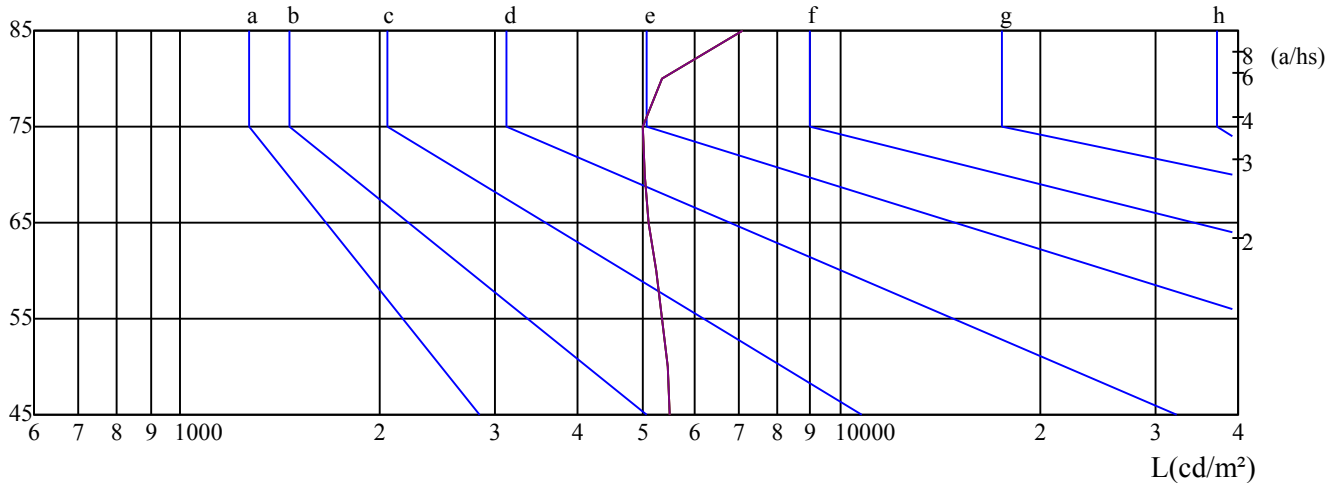
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5131	5131	5131	5018	5018	5018	7101	7101	7101

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): 26.2

Date: 22/04/2025
Humidity(%): 56.0%

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	18.19	19.77	18.62	20.17	20.59	18.25	19.82	18.67	20.22	20.64
	3H	20.13	21.57	20.57	21.99	22.43	20.03	21.47	20.48	21.89	22.33
	4H	21.03	22.39	21.49	22.82	23.28	20.71	22.07	21.17	22.50	22.96
	6H	21.97	23.23	22.44	23.68	24.17	21.25	22.51	21.71	22.95	23.44
	8H	22.44	23.66	22.91	24.11	24.61	21.40	22.62	21.87	23.07	23.57
	12H	22.97	24.14	23.44	24.60	25.11	21.49	22.67	21.97	23.13	23.63
4H	2H	18.98	20.33	19.43	20.77	21.23	19.02	20.37	19.47	20.81	21.26
	3H	21.08	22.24	21.56	22.71	23.21	20.97	22.14	21.45	22.60	23.10
	4H	22.18	23.22	22.67	23.71	24.24	21.84	22.89	22.34	23.38	23.91
	6H	23.23	24.17	23.75	24.68	25.21	22.49	23.43	23.01	23.94	24.47
	8H	23.82	24.70	24.35	25.22	25.77	22.74	23.62	23.27	24.13	24.68
	12H	24.48	25.30	25.02	25.81	26.40	22.92	23.74	23.45	24.25	24.84
8H	4H	22.55	23.43	23.08	23.95	24.50	22.26	23.13	22.79	23.65	24.20
	6H	23.81	24.55	24.36	25.08	25.67	23.10	23.84	23.65	24.38	24.96
	8H	24.60	25.25	25.17	25.82	26.40	23.53	24.18	24.09	24.75	25.33
	12H	25.44	26.00	26.02	26.58	27.17	23.83	24.39	24.40	24.96	25.55
12H	4H	22.61	23.43	23.14	23.94	24.52	22.34	23.16	22.88	23.67	24.26
	6H	23.98	24.63	24.55	25.21	25.78	23.32	23.97	23.89	24.55	25.12
	8H	24.80	25.36	25.38	25.94	26.53	23.79	24.35	24.36	24.92	25.51
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.7					0.2/-0.7				
S = 1.5H		0.5/-0.6					0.5/-0.6				
S = 2.0H		0.5/-0.7					0.5/-0.7				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		8.0					8.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 up w1 sr2 5W

LampCAT: modulo led 10Wm 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.8500

Test No:

Current(A): 0.0660

Number of Lamps: 1

Power (W): 7.3280

Lamp flux(lm): 506.0

PF: 0.8690

Length(mm): 505

Width(mm): 56

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 268.95, Efficiency(%): 53.15% , Luminous Efficacy(lm/W): 36.70

Central intensity(cd): 93.607, Maximum intensity(cd): 93.607

Angle of maximum intensity: C=0.0 γ =0.0

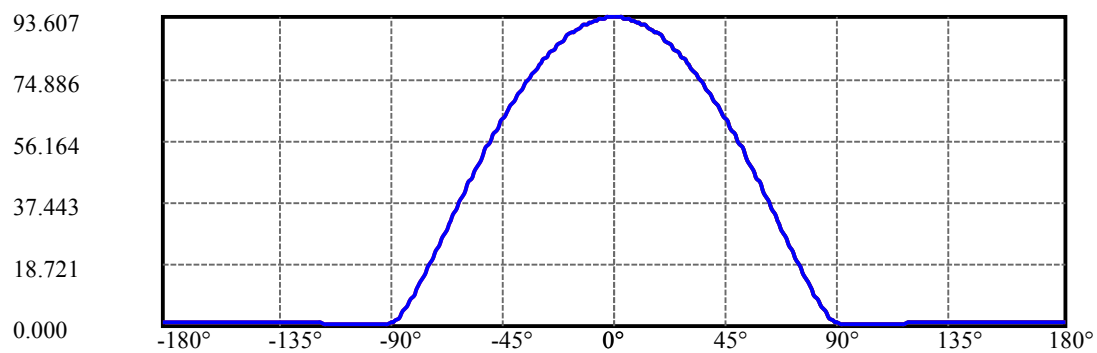
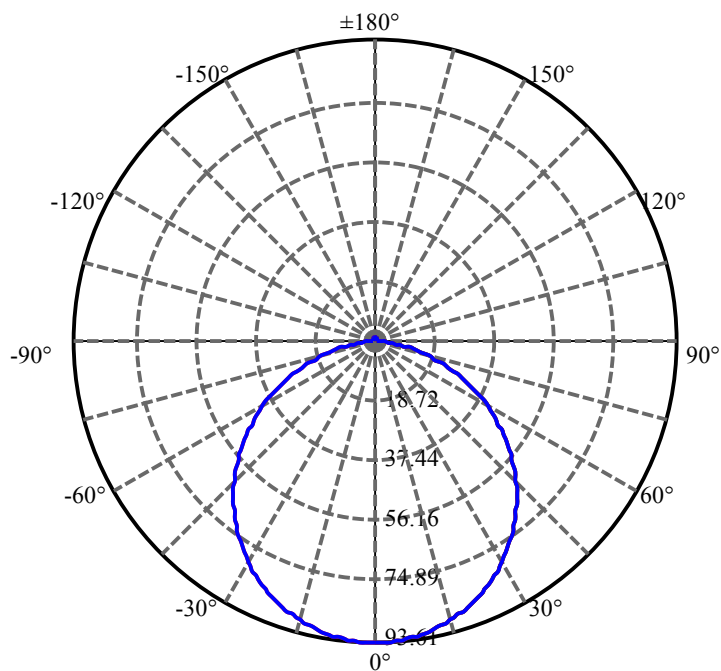
Beam angle of C0 plane : 111.47

Aveage BeamAngle(IEC 61341):111.47

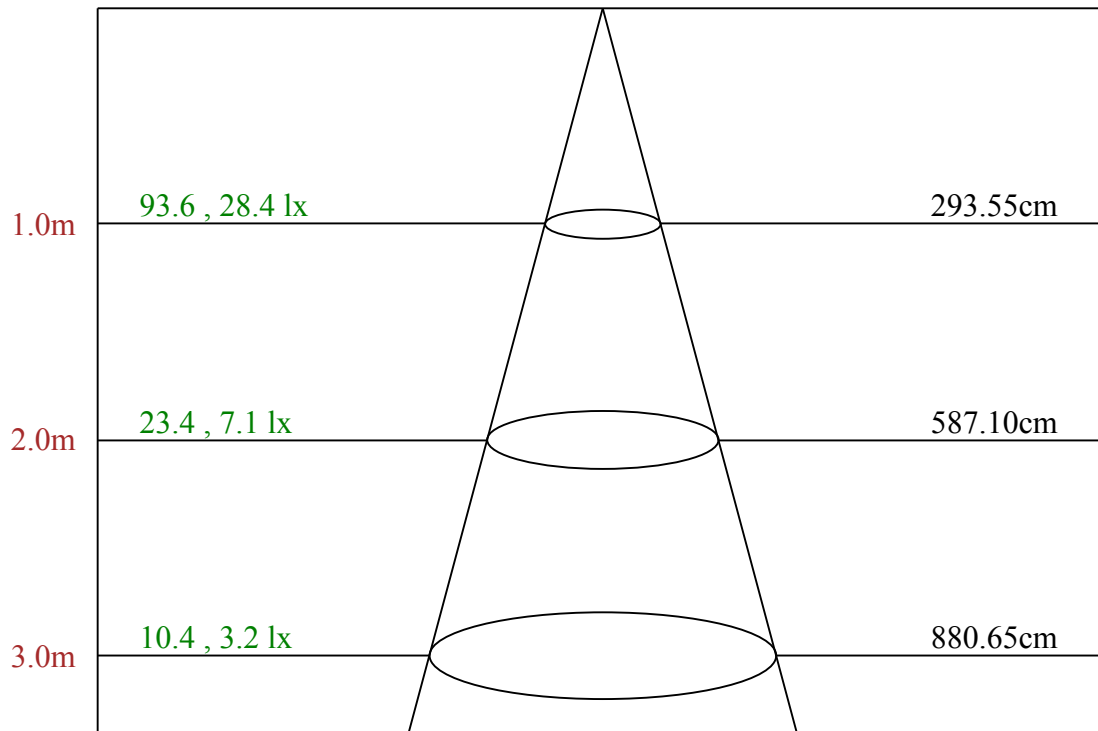
Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 03/09/2025
Humidity(%): 58.0%

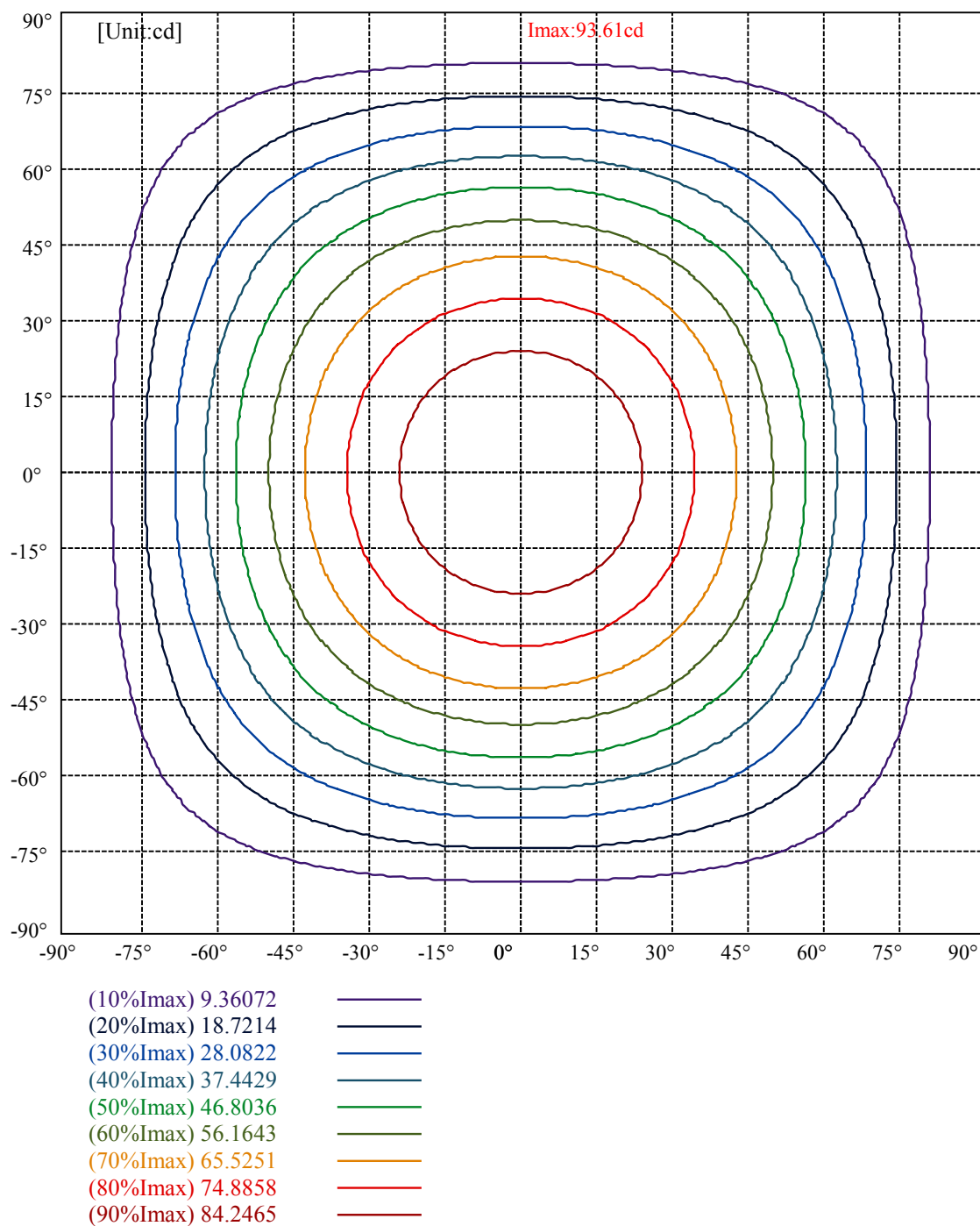
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 111.47



Luminance Table

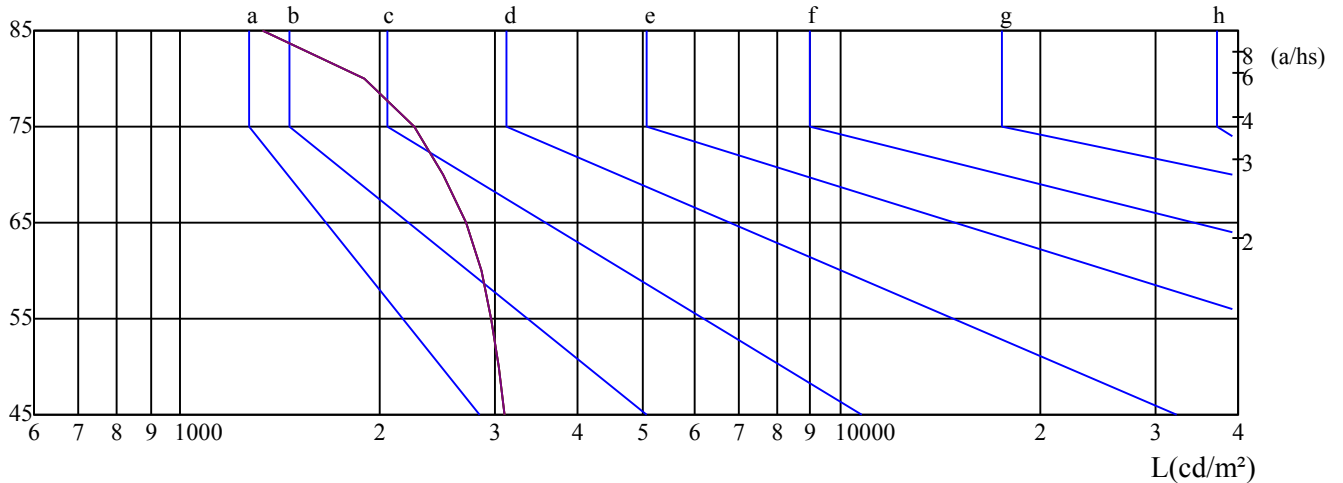
γ	45	50	55	60	65	70	75	80	85
C0	3098	3033	2956	2852	2699	2505	2261	1904	1330
C45	3098	3033	2956	2852	2699	2505	2261	1904	1330
C90	3098	3033	2956	2852	2699	2505	2261	1904	1330

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2699	2699	2699	2261	2261	2261	1330	1330	1330

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 ———

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	16.27	17.85	16.66	18.21	18.58	16.46	18.04	16.85	18.40	18.77
	3H	17.90	19.33	18.32	19.72	20.11	18.14	19.58	18.56	19.96	20.36
	4H	18.50	19.85	18.93	20.24	20.66	18.76	20.11	19.19	20.50	20.92
	6H	18.98	20.23	19.41	20.64	21.08	19.19	20.45	19.63	20.86	21.30
	8H	19.10	20.31	19.55	20.73	21.18	19.29	20.50	19.74	20.92	21.37
	12H	19.17	20.33	19.62	20.75	21.21	19.34	20.50	19.79	20.92	21.38
4H	2H	17.04	18.38	17.46	18.78	19.19	17.18	18.53	17.61	18.93	19.34
	3H	18.82	19.97	19.27	20.40	20.86	19.02	20.17	19.47	20.59	21.06
	4H	19.60	20.61	20.06	21.07	21.56	19.81	20.83	20.28	21.28	21.77
	6H	20.14	21.05	20.64	21.53	22.02	20.31	21.22	20.81	21.70	22.19
	8H	20.34	21.19	20.85	21.68	22.19	20.48	21.33	20.99	21.81	22.32
	12H	20.47	21.26	20.98	21.74	22.29	20.58	21.37	21.09	21.85	22.40
8H	4H	19.91	20.75	20.41	21.24	21.75	20.09	20.94	20.60	21.43	21.94
	6H	20.59	21.30	21.11	21.80	22.35	20.73	21.44	21.25	21.94	22.49
	8H	20.92	21.53	21.46	22.08	22.62	21.02	21.64	21.56	22.18	22.72
	12H	21.10	21.63	21.66	22.17	22.73	21.18	21.70	21.73	22.25	22.80
12H	4H	19.94	20.73	20.45	21.20	21.75	20.12	20.91	20.63	21.39	21.94
	6H	20.71	21.33	21.25	21.87	22.41	20.84	21.46	21.38	22.00	22.54
	8H	21.03	21.55	21.58	22.10	22.66	21.13	21.65	21.68	22.20	22.75
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.3/-0.6				
S = 1.5H		0.6/-0.6					0.6/-0.6				
S = 2.0H		0.8/-0.8					0.8/-0.8				
Standard tables:		BK3					BK3				
Uncorrected UGR		1.7					1.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 up w1 sr2 7.5W

LampCAT: modulo led 15W/m 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.7700

Test No:

Current(A): 0.0920

Number of Lamps: 1

Power (W): 11.2540

Lamp flux(lm): 746.0

PF: 0.9550

Length(mm): 505

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 435.50, Efficiency(%): 58.38% , Luminous Efficacy(lm/W): 38.70

Central intensity(cd): 139.283, Maximum intensity(cd): 139.283

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

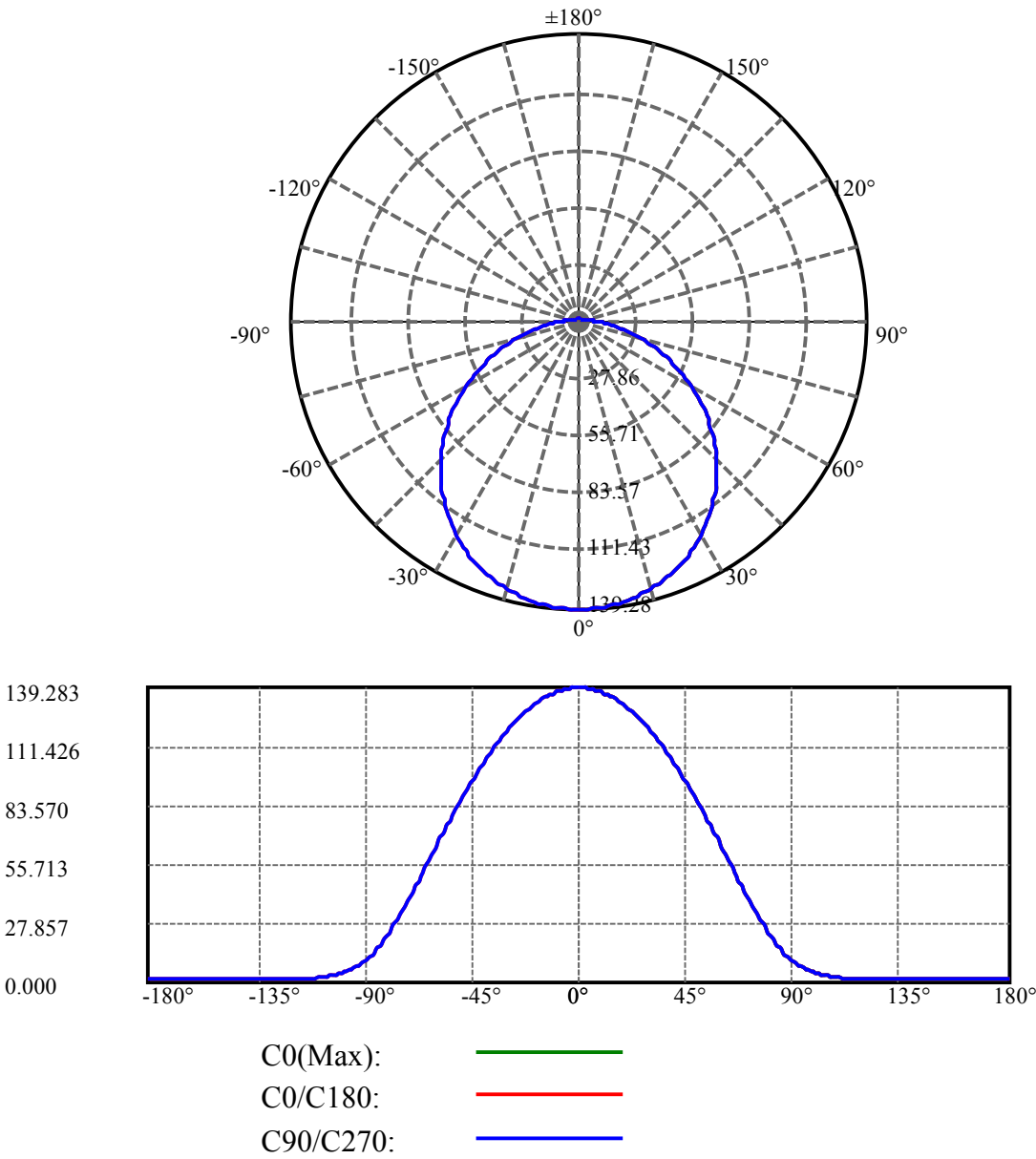
Beam angle of C0 plane : 114.36

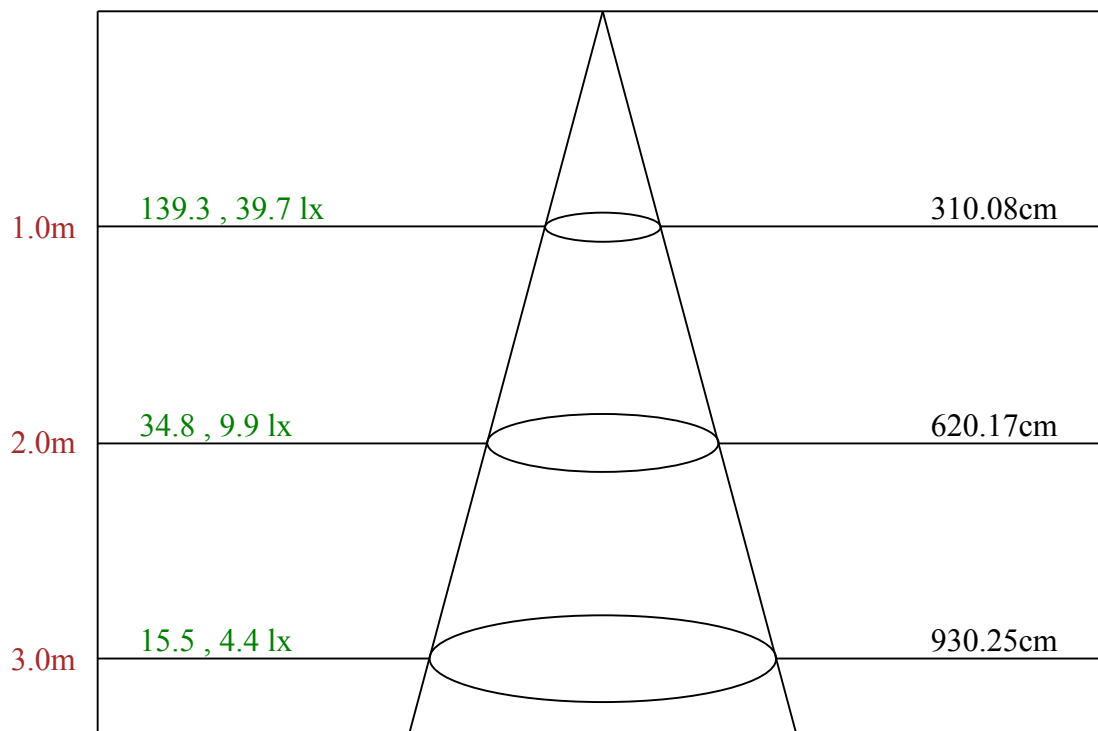
Average BeamAngle(IEC 61341): 114.36

Equipment: equipamento lumini
Temperature(°C): 26.2

Date: 22/04/2025
Humidity(%): 56.0%

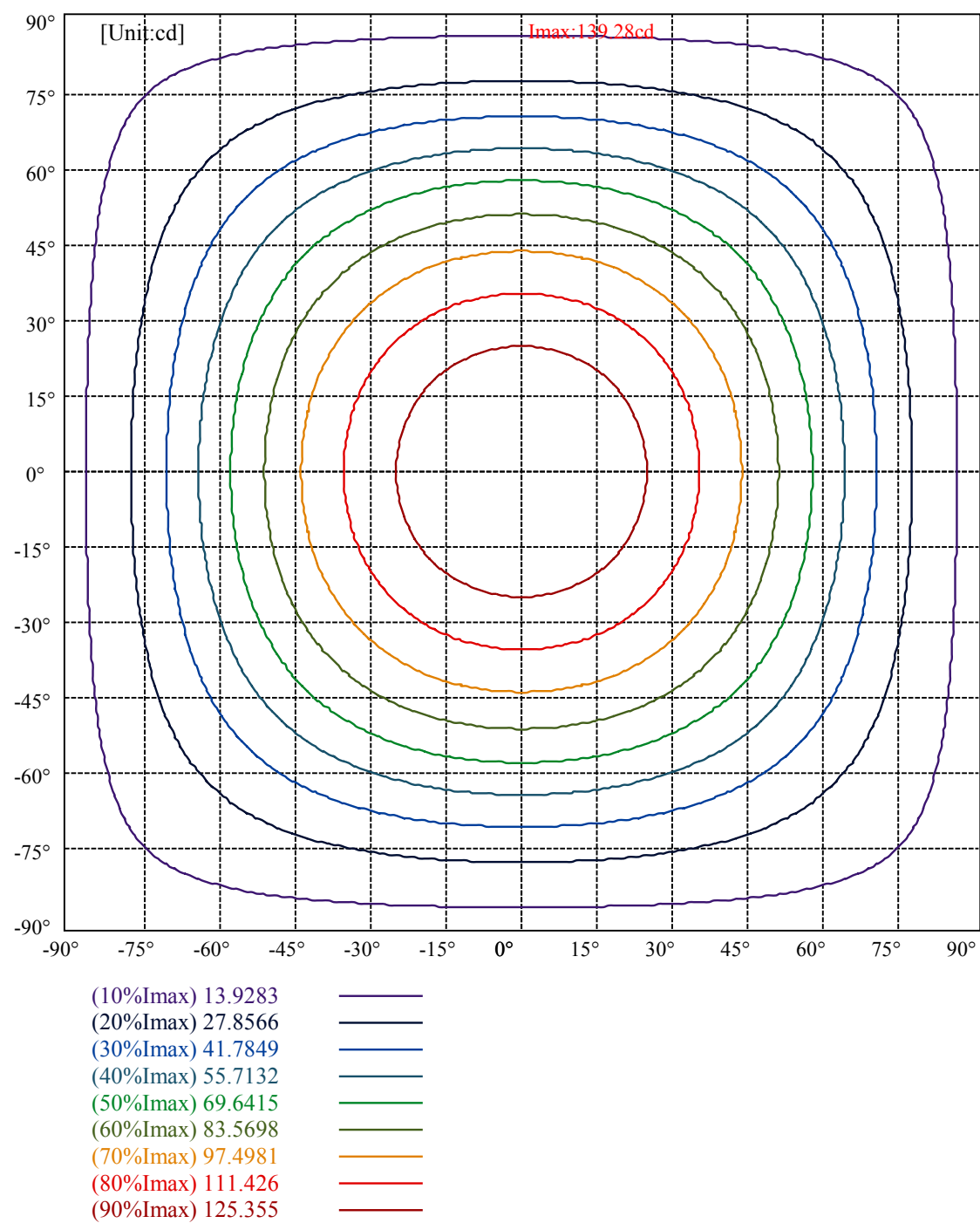
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 114.36



Luminance Table

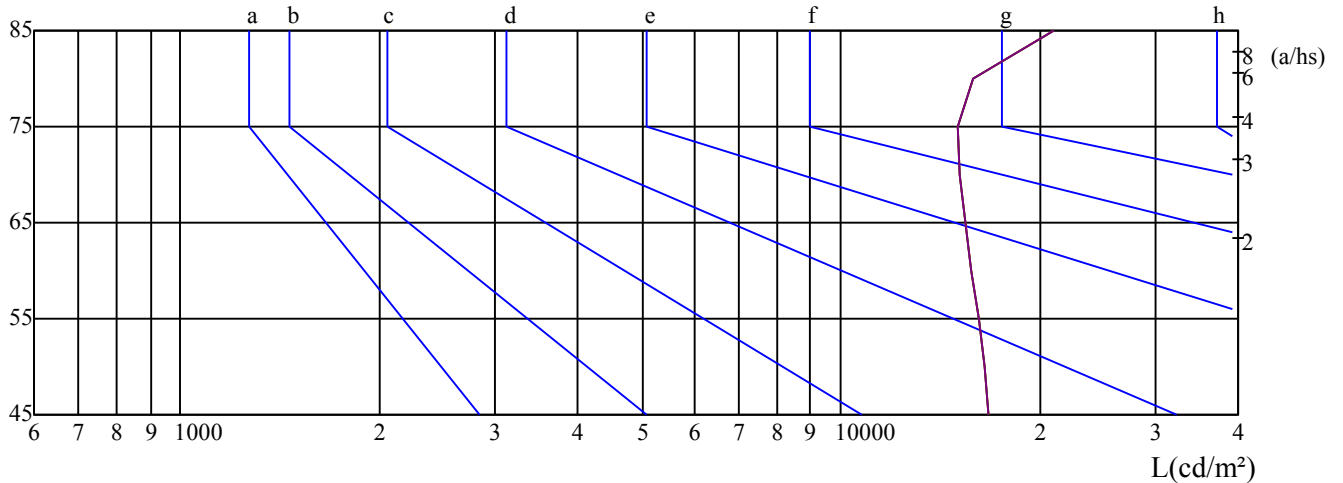
γ	45	50	55	60	65	70	75	80	85
C0	16714	16484	16168	15801	15404	15134	14995	15885	21057
C45	16714	16484	16168	15801	15404	15134	14995	15885	21057
C90	16714	16484	16168	15801	15404	15134	14995	15885	21057

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
15404	15404	15404	14995	14995	14995	21057	21057	21057

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 ———

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	21.97	23.55	22.39	23.94	24.35	22.11	23.69	22.53	24.09	24.50
	3H	23.87	25.31	24.31	25.73	26.16	23.90	25.34	24.34	25.76	26.19
	4H	24.74	26.10	25.20	26.53	26.98	24.59	25.95	25.04	26.38	26.83
	6H	25.65	26.92	26.12	27.36	27.84	25.11	26.38	25.58	26.82	27.30
	8H	26.09	27.32	26.56	27.77	28.26	25.27	26.49	25.74	26.94	27.43
	12H	26.58	27.76	27.06	28.22	28.72	25.35	26.53	25.83	26.99	27.49
4H	2H	22.76	24.12	23.22	24.55	25.00	22.87	24.23	23.32	24.66	25.11
	3H	24.83	26.00	25.31	26.46	26.96	24.83	26.00	25.30	26.45	26.95
	4H	25.90	26.94	26.39	27.43	27.95	25.71	26.75	26.20	27.24	27.76
	6H	26.92	27.86	27.44	28.37	28.90	26.34	27.28	26.86	27.78	28.31
	8H	27.48	28.36	28.01	28.87	29.42	26.59	27.47	27.12	27.98	28.53
	12H	28.10	28.91	28.63	29.42	30.01	26.76	27.58	27.29	28.08	28.67
8H	4H	26.27	27.15	26.80	27.66	28.21	26.10	26.98	26.63	27.49	28.04
	6H	27.50	28.24	28.05	28.77	29.35	26.93	27.67	27.48	28.20	28.79
	8H	28.25	28.90	28.82	29.47	30.05	27.35	28.01	27.92	28.58	29.15
	12H	29.05	29.61	29.62	30.18	30.77	27.64	28.20	28.21	28.77	29.36
12H	4H	26.33	27.15	26.86	27.65	28.24	26.18	27.00	26.72	27.51	28.09
	6H	27.67	28.32	28.24	28.89	29.47	27.14	27.80	27.71	28.37	28.94
	8H	28.45	29.01	29.03	29.59	30.18	27.60	28.16	28.18	28.73	29.32
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.7					0.2/-0.7				
S = 1.5H		0.5/-0.6					0.5/-0.6				
S = 2.0H		0.5/-0.7					0.5/-0.7				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		11.8					11.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 up w1 sr2 12.5W

LampCAT: modulo led 25W/m 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.7000

Test No:

Current(A): 0.1510

Number of Lamps: 1

Power (W): 17.0110

Lamp flux(lm): 1748.0

PF: 0.8830

Length(mm): 505

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1073.95, Efficiency(%): 61.44% , Luminous Efficacy(lm/W): 63.13

Central intensity(cd): 343.482, Maximum intensity(cd): 343.482

Angle of maximum intensity: C=0.0 γ =0.0

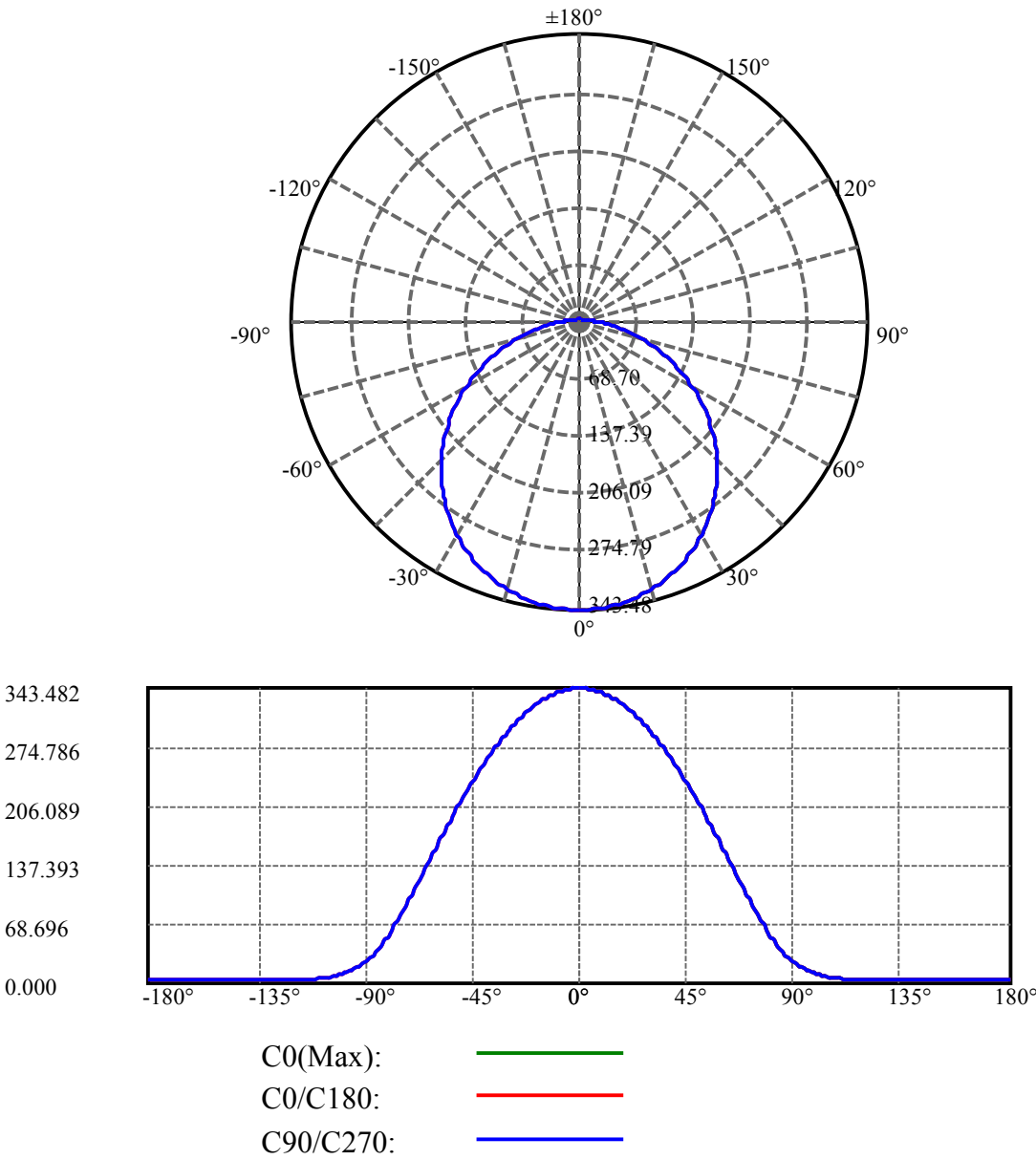
Beam angle of C0 plane : 114.37

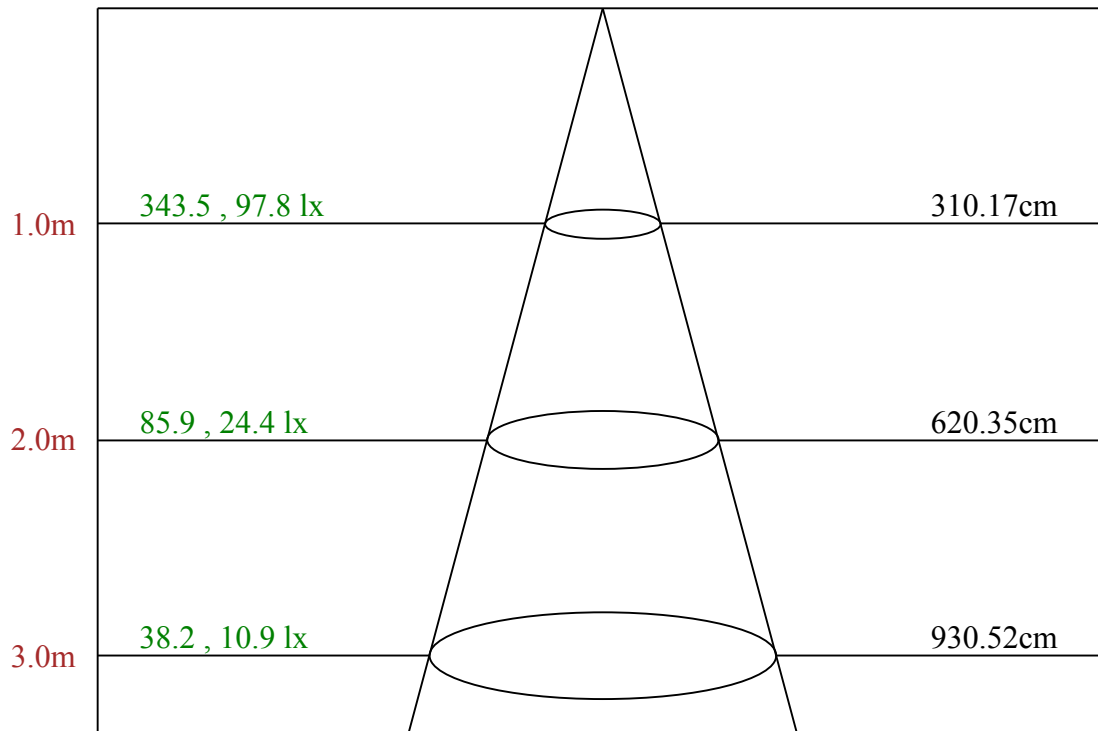
Aveage BeamAngle(IEC 61341):114.37

Equipment: equipamento lumini
Temperature(°C): 25.5

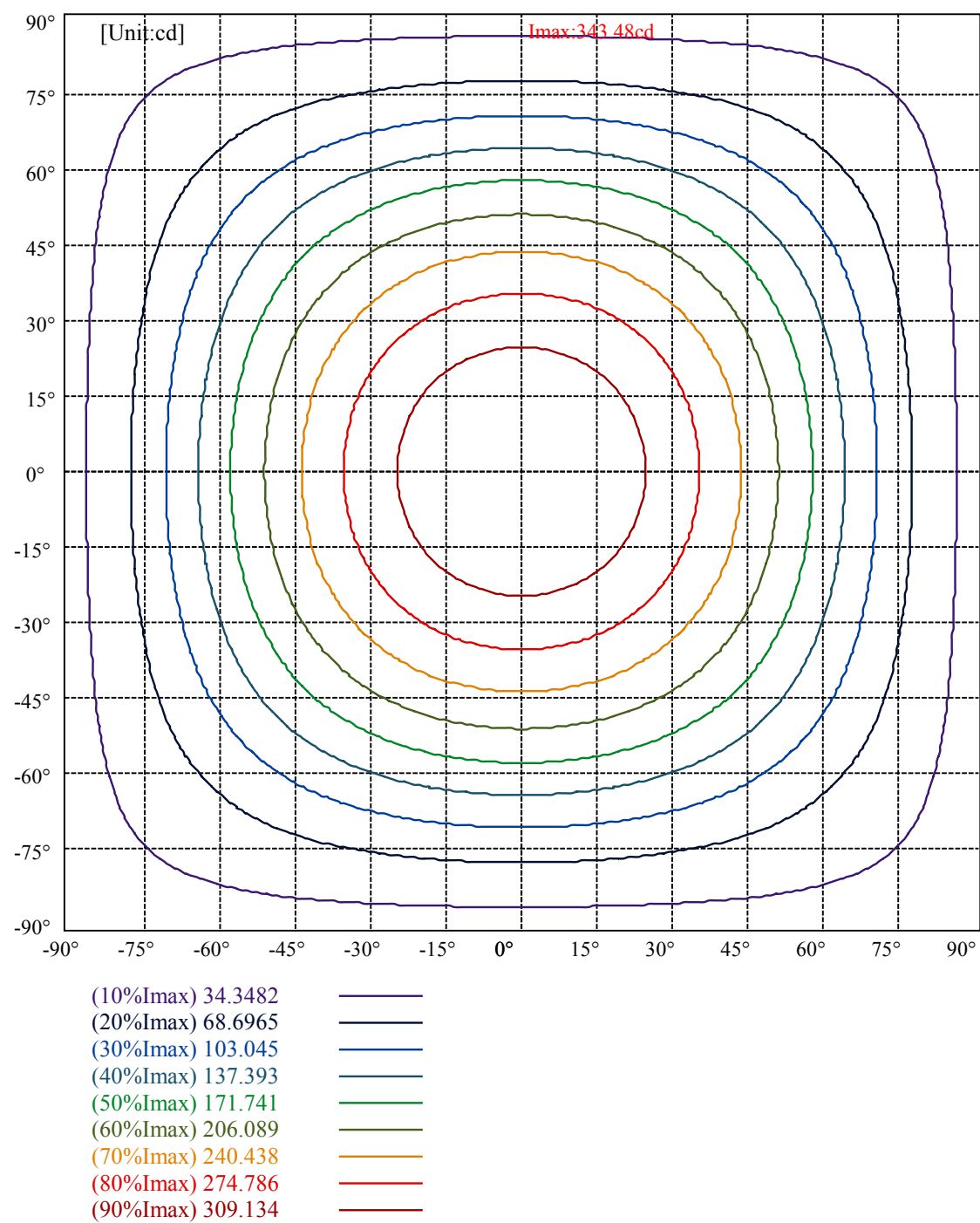
Date: 28/04/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 114.37



Luminance Table

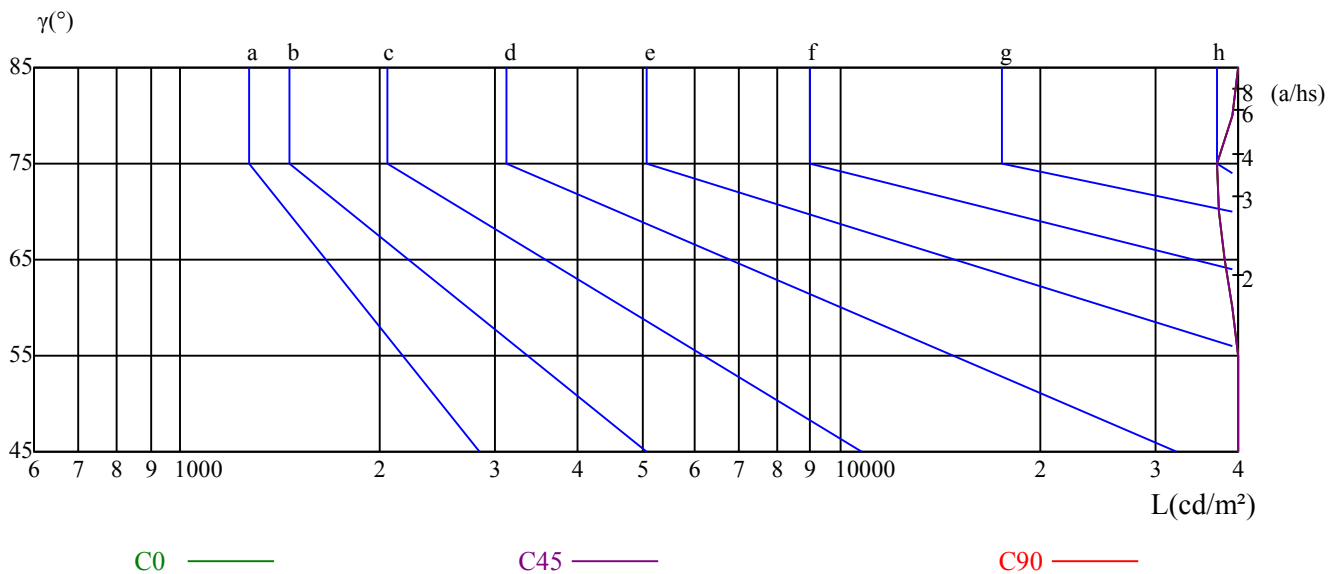
γ	45	50	55	60	65	70	75	80	85
C0	41164	40560	39917	39173	38169	37380	37158	39074	51571
C45	41164	40560	39917	39173	38169	37380	37158	39074	51571
C90	41164	40560	39917	39173	38169	37380	37158	39074	51571

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
38169	38169	38169	37158	37158	37158	51571	51571	51571

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	25.38	26.96	25.80	27.35	27.76	25.37	26.95	25.79	27.34	27.76
	3H	27.35	28.79	27.79	29.20	29.64	27.18	28.62	27.62	29.04	29.48
	4H	28.26	29.62	28.71	30.05	30.50	27.87	29.23	28.33	29.66	30.11
	6H	29.19	30.46	29.66	30.90	31.38	28.43	29.69	28.89	30.14	30.62
	8H	29.66	30.88	30.12	31.33	31.82	28.59	29.81	29.06	30.26	30.75
	12H	30.16	31.34	30.63	31.80	32.30	28.69	29.87	29.16	30.32	30.82
4H	2H	26.19	27.55	26.64	27.97	28.43	26.18	27.54	26.63	27.96	28.42
	3H	28.32	29.49	28.80	29.95	30.45	28.16	29.33	28.64	29.79	30.29
	4H	29.43	30.48	29.92	30.96	31.49	29.05	30.10	29.54	30.58	31.11
	6H	30.48	31.42	31.00	31.93	32.46	29.72	30.65	30.24	31.16	31.69
	8H	31.06	31.94	31.59	32.45	33.00	29.98	30.85	30.50	31.37	31.91
	12H	31.69	32.51	32.23	33.02	33.60	30.16	30.98	30.69	31.49	32.07
8H	4H	29.83	30.70	30.35	31.22	31.76	29.49	30.37	30.02	30.89	31.43
	6H	31.08	31.82	31.63	32.35	32.94	30.36	31.11	30.91	31.64	32.22
	8H	31.86	32.51	32.42	33.08	33.65	30.80	31.45	31.36	32.02	32.59
	12H	32.67	33.23	33.24	33.80	34.39	31.10	31.66	31.68	32.23	32.82
12H	4H	29.88	30.70	30.42	31.21	31.79	29.59	30.40	30.12	30.91	31.50
	6H	31.26	31.91	31.82	32.48	33.05	30.59	31.24	31.15	31.81	32.38
	8H	32.06	32.62	32.64	33.19	33.78	31.06	31.62	31.64	32.19	32.78
Variation with the observer position at spacings:											
S = 1.0H		0.2/-0.7					0.2/-0.7				
S = 1.5H		0.5/-0.6					0.5/-0.6				
S = 2.0H		0.5/-0.7					0.5/-0.7				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		15.0					15.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 up w1 sr2 15W

LampCAT: modulo led 30Wm 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.6900

Test No:

Current(A): 0.1670

Number of Lamps: 1

Power (W): 20.9810

Lamp flux(lm): 1492.0

PF: 0.9850

Length(mm): 505

Width(mm): 56

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 795.75, Efficiency(%): 53.33% , Luminous Efficacy(lm/W): 37.93

Central intensity(cd): 277.531, Maximum intensity(cd): 277.531

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

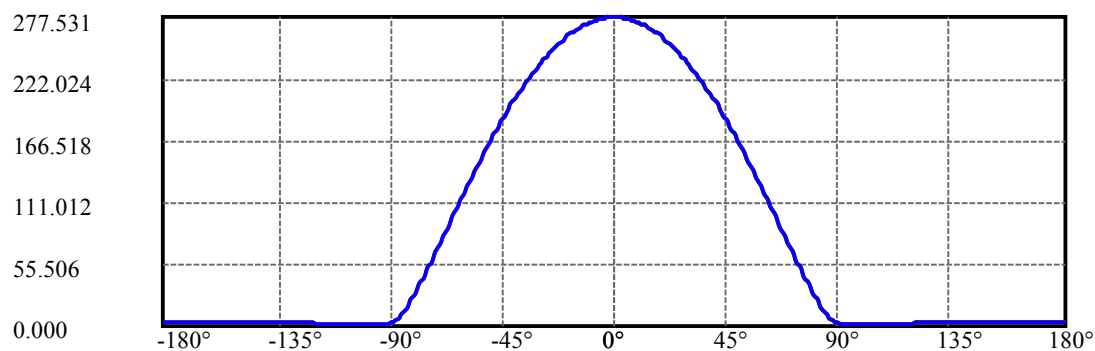
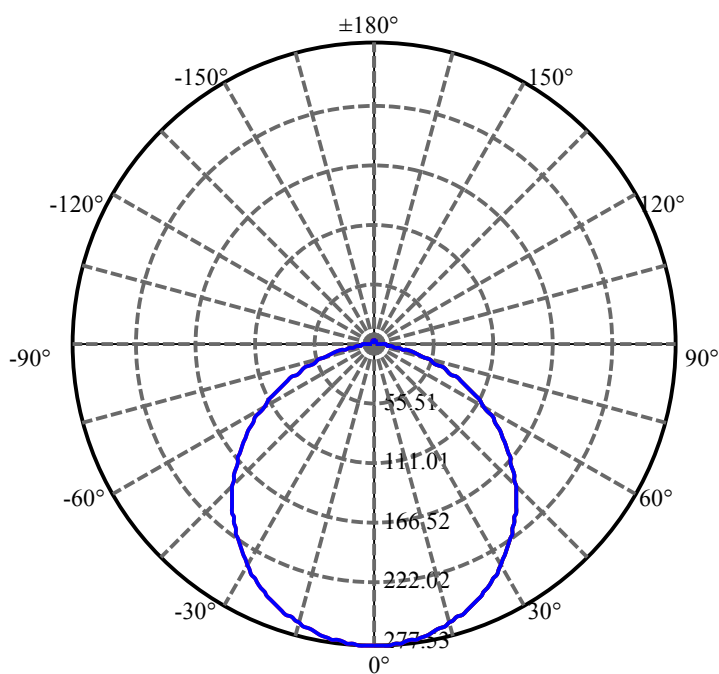
Beam angle of C0 plane : 111.48

Average BeamAngle(IEC 61341): 111.48

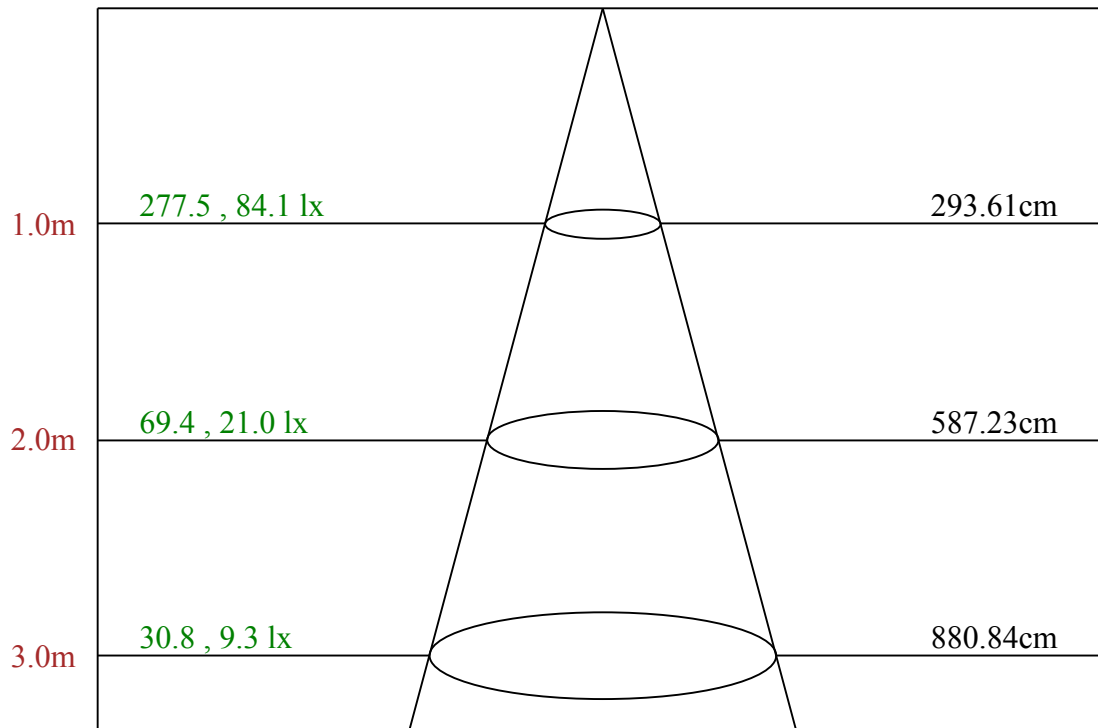
Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 03/09/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90

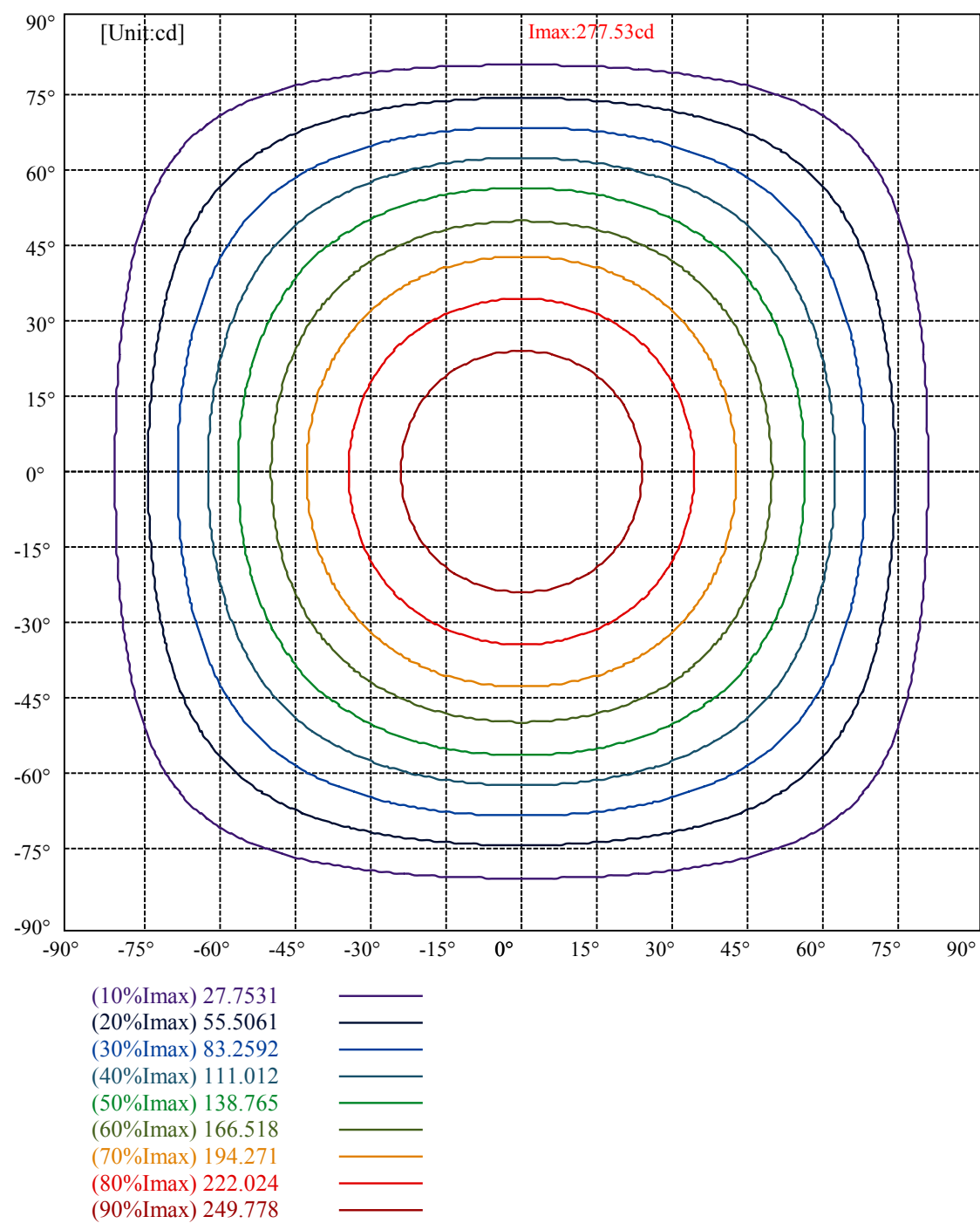


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 111.48



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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	9201	8988	8750	8406	7933	7403	6588	5547	3960
C45	9201	8988	8750	8406	7933	7403	6588	5547	3960
C90	9201	8988	8750	8406	7933	7403	6588	5547	3960

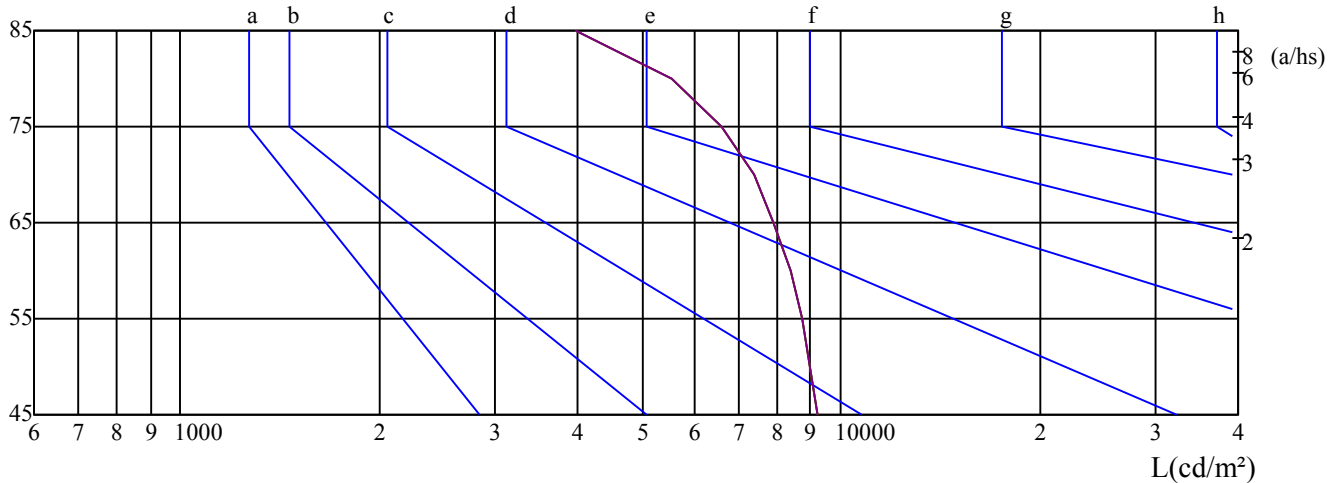
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7933	7933	7933	6588	6588	6588	3960	3960	3960

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($^{\circ}\text{C}$): 25.0

Date: 03/09/2025
Humidity(%): 58.0%

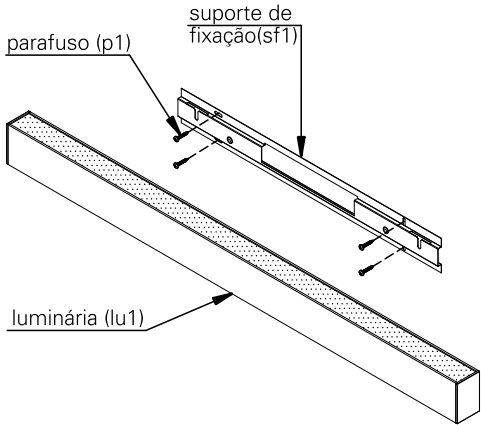
Operator: 01
Distance(m): 6.90

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	20.06	21.64	20.45	22.00	22.37	20.26	21.84	20.66	22.20	22.57
	3H	21.69	23.13	22.11	23.51	23.90	21.97	23.41	22.39	23.79	24.18
	4H	22.29	23.63	22.71	24.03	24.44	22.58	23.93	23.01	24.33	24.74
	6H	22.76	24.01	23.19	24.42	24.86	23.04	24.29	23.48	24.70	25.15
	8H	22.88	24.09	23.33	24.51	24.96	23.15	24.36	23.60	24.78	25.23
	12H	22.94	24.10	23.39	24.53	24.99	23.20	24.36	23.65	24.79	25.25
4H	2H	20.83	22.18	21.26	22.57	22.98	20.99	22.33	21.41	22.73	23.14
	3H	22.62	23.77	23.07	24.19	24.65	22.85	24.00	23.30	24.42	24.88
	4H	23.38	24.40	23.85	24.85	25.34	23.63	24.64	24.09	25.10	25.59
	6H	23.93	24.83	24.42	25.31	25.80	24.16	25.07	24.65	25.54	26.04
	8H	24.13	24.98	24.63	25.46	25.97	24.34	25.19	24.85	25.67	26.18
	12H	24.25	25.04	24.76	25.51	26.06	24.46	25.24	24.96	25.72	26.27
8H	4H	23.69	24.54	24.20	25.02	25.53	23.91	24.76	24.41	25.24	25.75
	6H	24.38	25.08	24.90	25.59	26.13	24.57	25.28	25.10	25.78	26.33
	8H	24.70	25.32	25.25	25.87	26.40	24.88	25.50	25.43	26.04	26.58
	12H	24.89	25.41	25.44	25.96	26.51	25.05	25.58	25.61	26.12	26.68
12H	4H	23.73	24.51	24.24	24.99	25.54	23.94	24.72	24.45	25.20	25.75
	6H	24.50	25.12	25.04	25.66	26.20	24.69	25.31	25.23	25.85	26.39
	8H	24.82	25.35	25.38	25.89	26.45	24.99	25.52	25.55	26.06	26.62
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.3/-0.6				
S = 1.5H		0.6/-0.7					0.6/-0.7				
S = 2.0H		0.8/-0.8					0.8/-0.8				
Standard tables:		BK3					BK3				
Uncorrected UGR		5.5					5.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25

mini linea

mini linea diffuse w1 série 2
mini linea diffuse w2 série 2



especificações técnicas

fonte de luz

módulo led integrado (incluso)

índice de proteção

IP20 - luminária para uso interno

cuidados com o produto

o produto deve ser manuseado com cuidado para evitar riscos e deformações.

para limpeza, utilize detergente neutro e um pano de algodão macio. finalize com um pano de algodão seco.

instalação

conteúdo da embalagem

luminária
parafusos atarrachantes
buchas

ferramentas necessárias

chave philips
furadeira

informações importantes

para a instalação, lave as mãos e seque as mãos, use luvas descartáveis.

antes de iniciar a instalação, certifique-se que a energia elétrica esteja desligada.

retire a luminária da embalagem com cuidado e apoie-o em uma superfície limpa e seca.

atenção

leia atentamente todas as instruções relacionadas ao seu produto antes de utilizá-lo.

antes de iniciar a instalação, certifique-se que a energia elétrica esteja desligada.

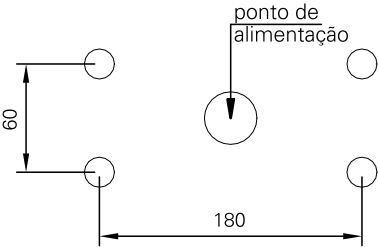
não são permitidas modificações no produto, esse deve atender à finalidade para a qual foi projetado e ser utilizado de acordo com as especificações técnicas.

em caso de dúvidas, entre em contato com o fabricante.

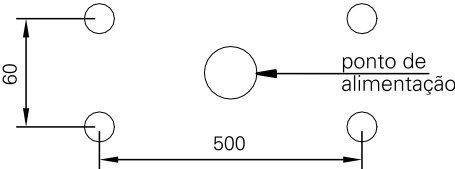
instalação passo a passo



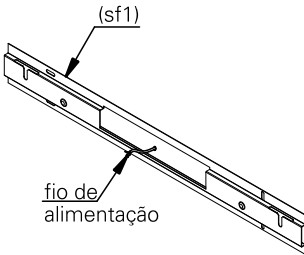
1. faça a furação conforme a medida abaixo.
mini linea 50 w.



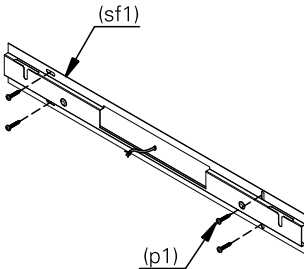
2. faça a furação conforme a medida abaixo.
mini linea diffuse 100 w série 2.
mini linea diffuse 150 w série 2.
mini linea diffuse 200 w série 2.
mini linea diffuse 250 w série 2.
mini linea diffuse 300 w série 2.



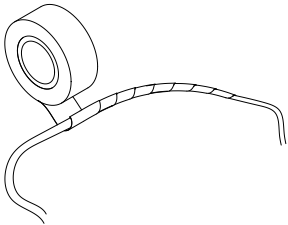
3. passe o fio de alimentação pelo recorte do suporte de fixação (sf1).



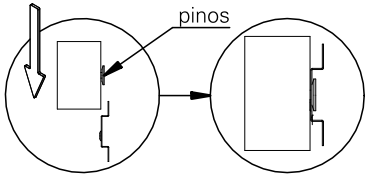
4. utilize os parafusos (p1) para fixar os suportes de fixação (sf1) na parede.



5. faça a ligação elétrica. isole os fios separadamente com fita isolante. repita a operação envolvendo o conjunto dos fios, vedando completamente a emenda.



6. encaixe os pinos da luminária (lu1) no orifício do suporte de fixação (sf1).



7. a luminária após instalada deverá ficar como ilustrado na imagem. ligue a rede elétrica e teste o seu funcionamento.

