



mini linea s

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

potência (W), facho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
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		
25W/m	difuso (down)	2700		
25W/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		
25 W/m	difuso (up)	4000		
30 W/m	difuso (up)	2500		
30 W/m	difuso (up)	2700		
30 W/m	difuso (up)	3000		
16 W/600mm	aberto (down)	2500		

16 W/600mm	aberto (down)	2700		
16 W/600mm	aberto (down)	3000	2395 lm/600mm	1547 lm/600mm
16 W/600mm	aberto (down)	4000		
3 W/600mm	difuso (up)	2500		
3 W/600mm	difuso (up)	2700		
3 W/600mm	difuso (up)	3000	335 lm/600mm	157 lm/600mm
6 W/600mm	difuso (up)	2500		
6 W/600mm	difuso (up)	2700		
6 W/600mm	difuso (up)	3000	608 lm/600mm	310 lm/600mm
9 W/600mm	difuso (up)	2500		
9 W/600mm	difuso (up)	2700		
9 W/600mm	difuso (up)	3000	895 lm/600mm	476 lm/600mm
16 W/600mm	difuso (up)	2500		
16 W/600mm	difuso (up)	2700		
16 W/600mm	difuso (up)	3000	2098 lm/600mm	1289 lm/600mm
16 W/600mm	difuso (up)	4000		
18 W/600mm	difuso (up)	2500		
18 W/600mm	difuso (up)	2700		
18 W/600mm	difuso (up)	3000	1790 lm/m	925 lm/m

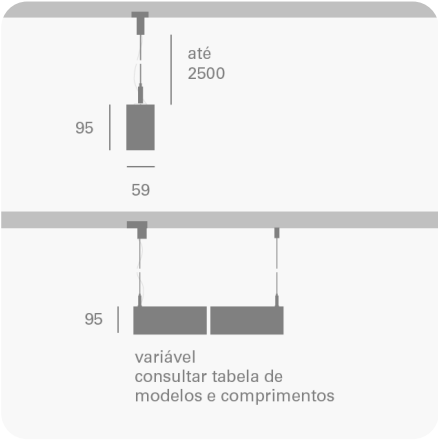
equipamentos
LED line driver 12V (dentro do produto)
LED driver 700mA (dentro do produto)

controle
on/off
dim fphase
dim dali
dim 1-10V

instalação
forro de gesso
marcenaria
laje

IP
20

dimensões



até 2500

95

59

variável
consultar tabela de
modelos e comprimentos

montagem	variável consultar tabela de modelos e comprimentos
linear	
em L	
em U	
quadrada ou retangular	

modelo	comprimento (mm)
mini linea diffuse 50 s	510
mini linea evo 60 s	600

mini linea diffuse 100 s	1010
mini linea evo 120 s	1192
mini linea diffuse 150 s	1510
mini linea diffuse 200 s	2010
mini linea evo 240 s	2377
mini linea diffuse 250 s	2510
mini linea diffuse 300 s	3010

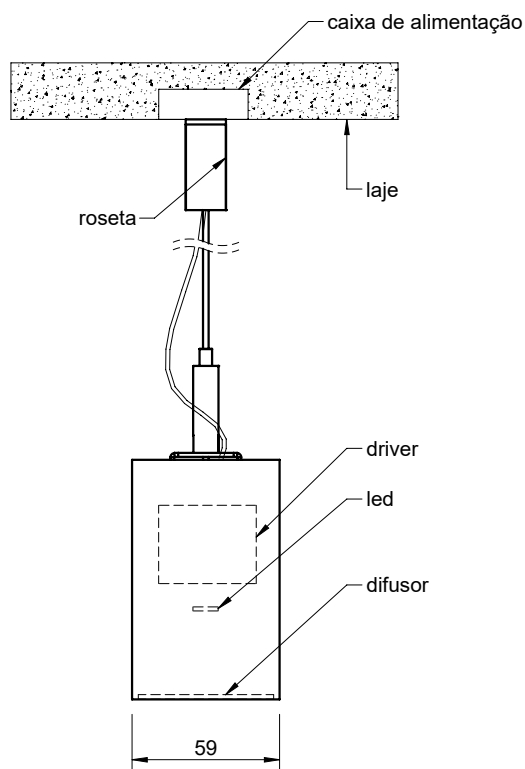
acabamentos e cores

cores

	azul médio		grafite txt
	branco txt		marinho
	cinza areia		preto txt
	cinza médio		terracota
	corten		titânio
	grafite fosco		verde selva

vista lateral

dimensões em milímetros



mini linea diffuse down s1 série 2

folha
1/1

escala
1:2

data
29/08/2025

desenhista
joão v.

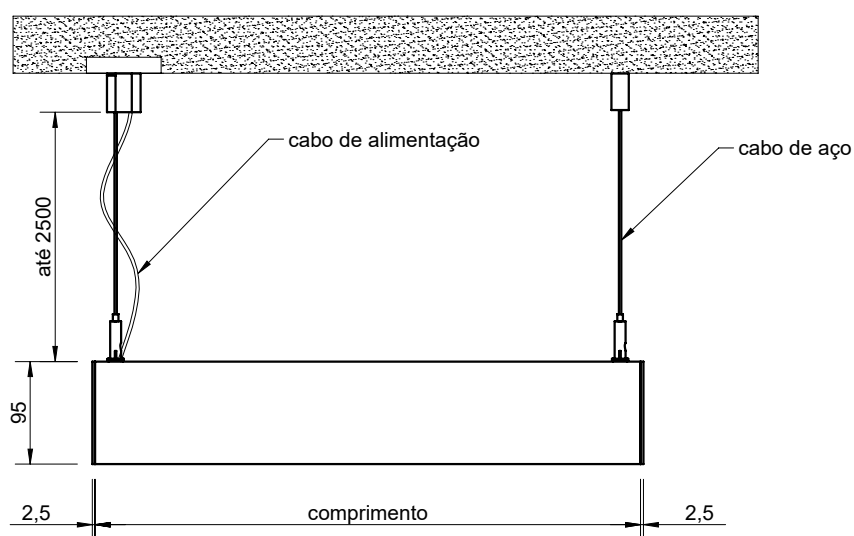
aprovação
ronaldo

revisões

29/08/2025

vista frontal

dimensões em milímetros



para maiores informações,
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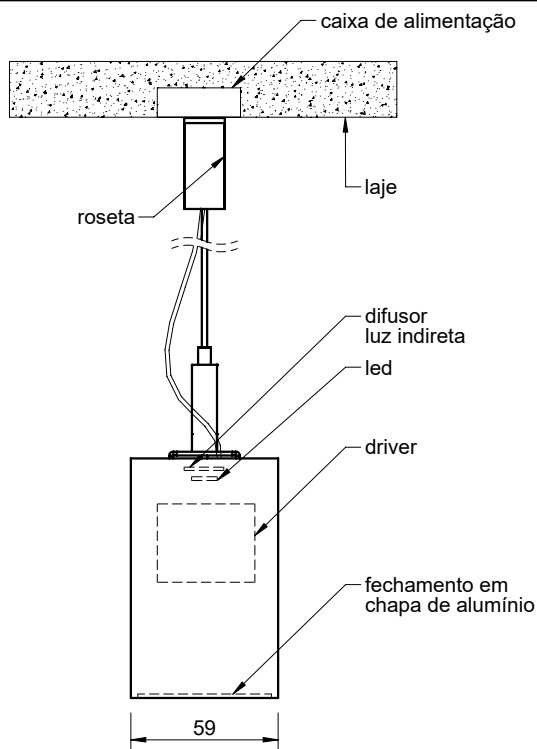
perfis

dimensões em milímetros

perfis	50	100	150	200	250	300
comprimento (mm)	505	1005	1505	2005	2505	3005
mp (w)	12,5	25	37,5	50	62,5	75
1x lp (w)	7,5	15	22,5	30	37,5	45
2x lp (w)	15	30	45	60	75	90

vista lateral

dimensões em milímetros



mini linea diffuse up s1 série 2

folha
1/1

escala
1:2

data
29/08/2025

desenhista
joão v.

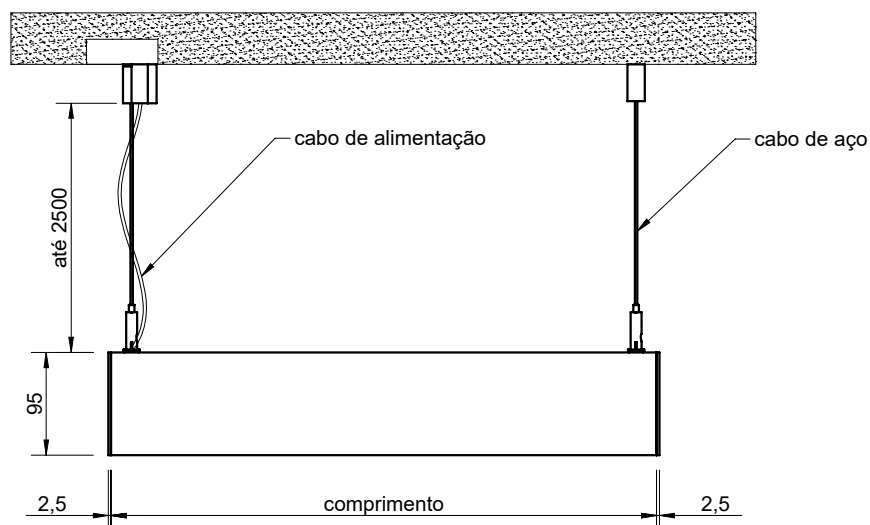
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vista frontal

dimensões em milímetros



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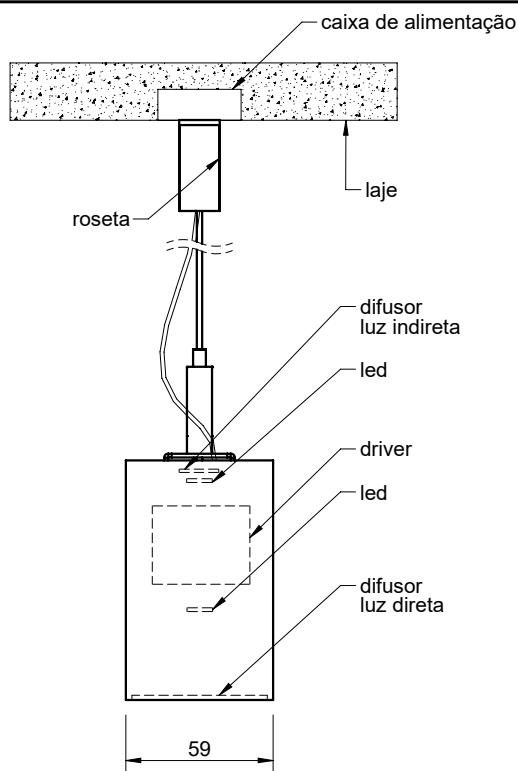
perfis

dimensões em milímetros

perfis	50	100	150	200	250	300
comprimento (mm)	505	1005	1505	2005	2505	3005
mp (w)	12,5	25	37,5	50	62,5	75
1x lp (w)	2,5	5	7,5	10	12,5	15
2x lp (w)	5	10	15	20	25	30
1x lp (w)	7,5	15	22,5	30	37,5	45
2x lp (w)	15	30	45	60	75	90

vista lateral

dimensões em milímetros



mini linea diffuse s2 série 2

folha
1/1

escala
1:2

data
29/08/2025

desenhista
joão v.

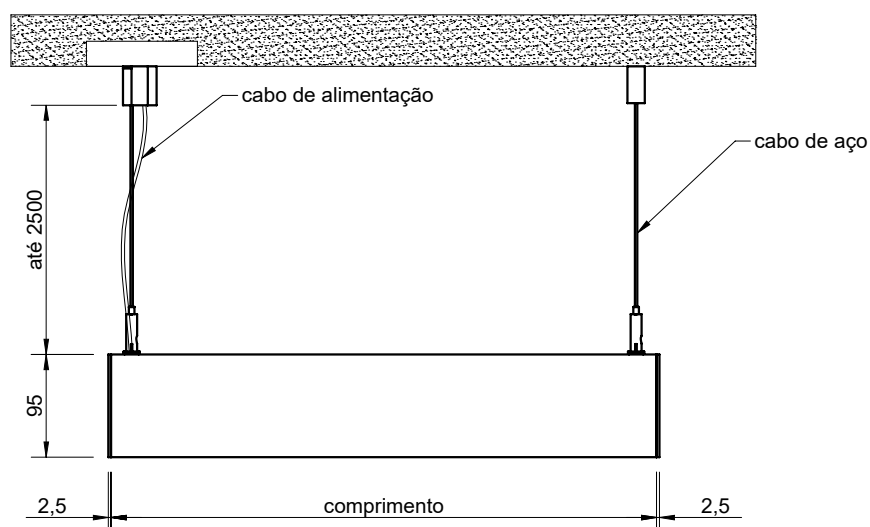
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vista frontal

dimensões em milímetros



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perfis

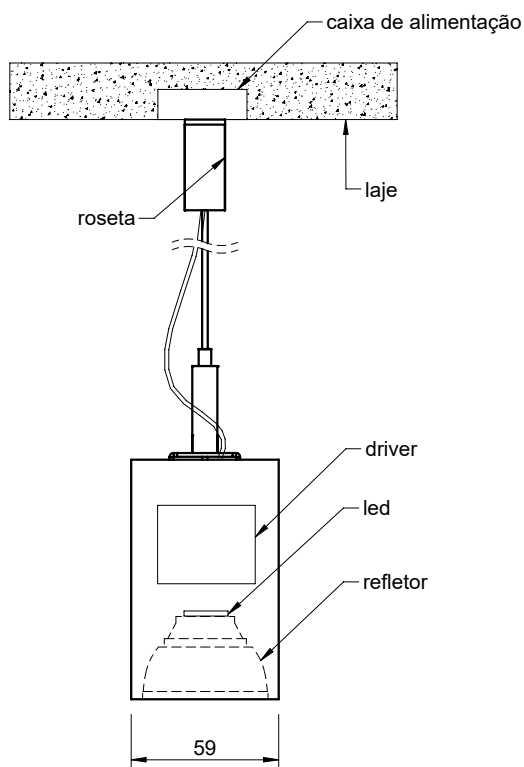
dimensões em milímetros

luz direta						
perfis	50	100	150	200	250	300
comprimento (mm)	505	1005	1505	2005	2505	3005
mp (w)	12,5	25	37,5	50	62,5	75
1x lp (w)	7,5	15	22,5	30	37,5	45
2x lp (w)	15	30	45	60	75	90
luz indireta						
mp (w)	12,5	25	37,5	50	62,5	75
1x lp (w)	2,5	5	7,5	10	12,5	15
2x lp (w)	5	10	15	20	25	30
1x lp (w)	7,5	15	22,5	30	37,5	45
2x lp (w)	15	30	45	60	75	90

potência total da luminária = valores luz direta + valores luz indireta

vista lateral

dimensões em milímetros



mini linea evo down s1 série 2

folha
1/1

escala
1:2

data
18/08/2025

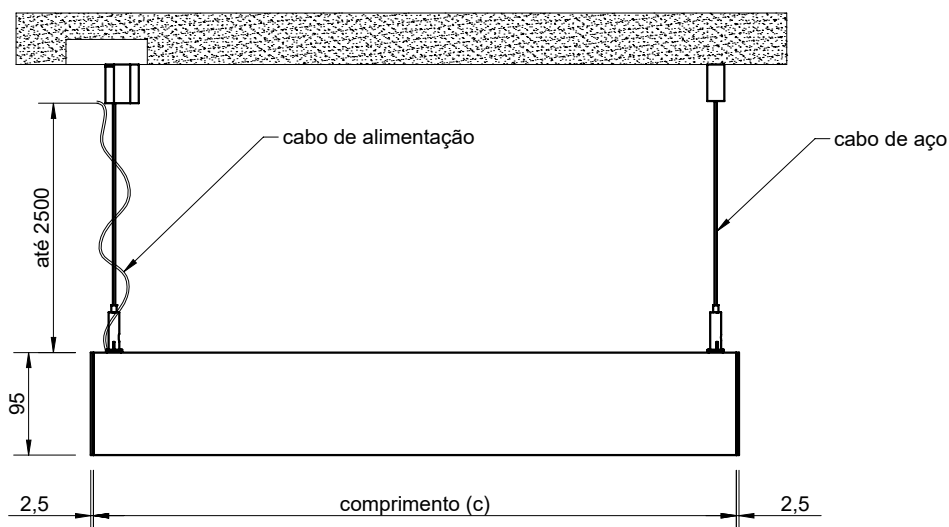
desenhista
joão v.

aprovação
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revisões
18/08/2025

vista inferior

dimensões em milímetros



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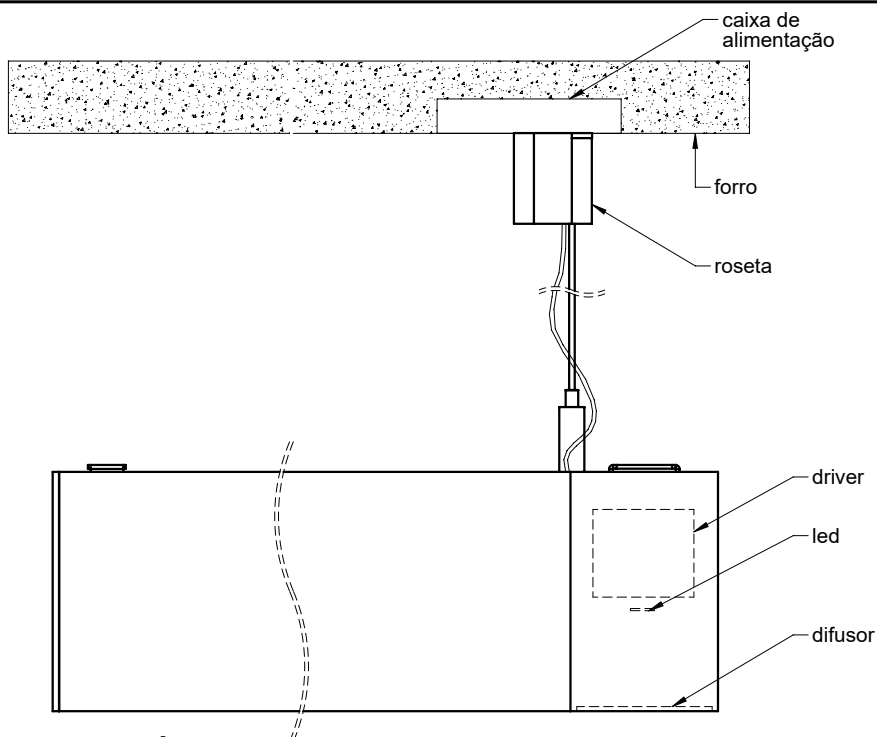
perfis

dimensões em milímetros

perfis	60	120	240
comprimento (c)	595	1224	2372
mp	16	32	64

vista lateral

dimensões em milímetros



mini linea diffuse junção 90 down s1 série 2

folha
1/1

escala
1:7

data
18/08/2025

desenhista
joão v.

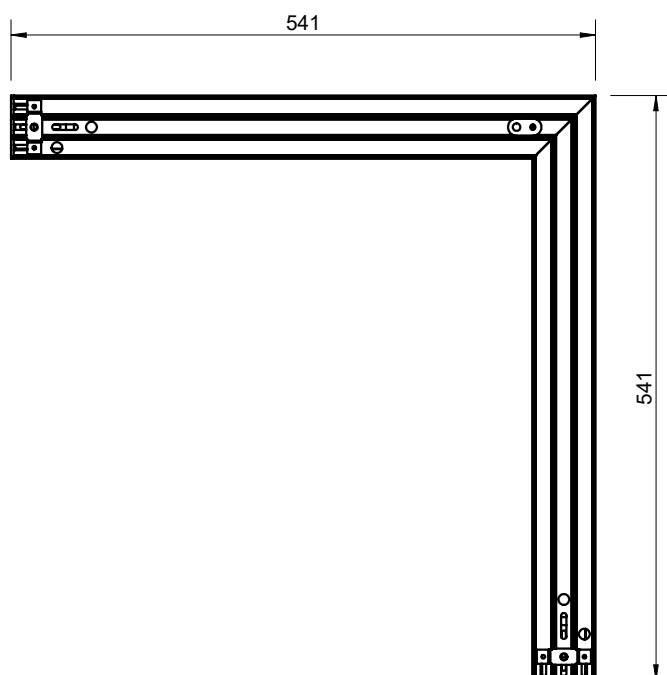
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vista superior

dimensões em milímetros



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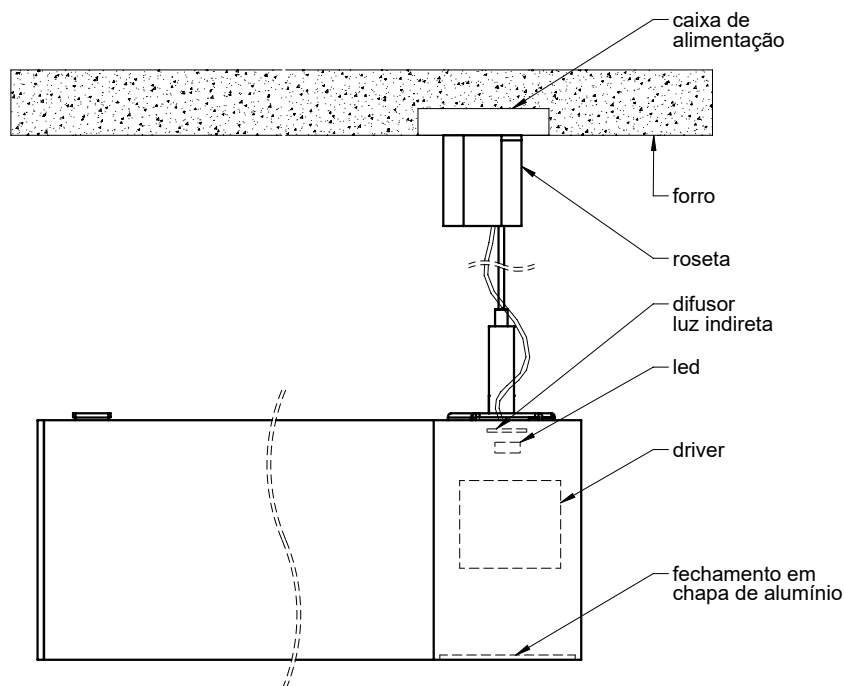
perfis

dimensões em milímetros

junção 90°	
mp (25w/mt)	25
lp (1x 15w/mt)	15
lp (2x 15w/mt)	30

vista lateral

dimensões em milímetros



mini linea diffuse junção 90 up s1 série 2

folha
1/1

escala
1:7

data
19/08/2025

desenhista
joão v.

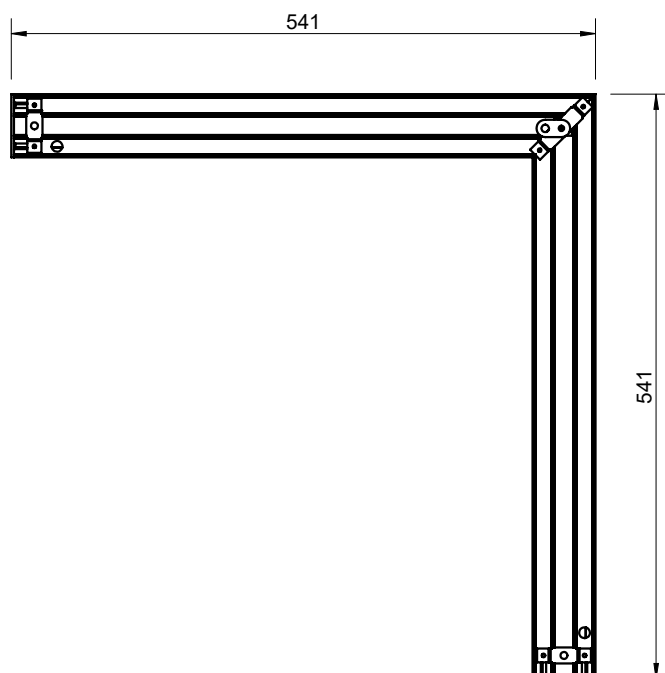
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dimensões em milímetros



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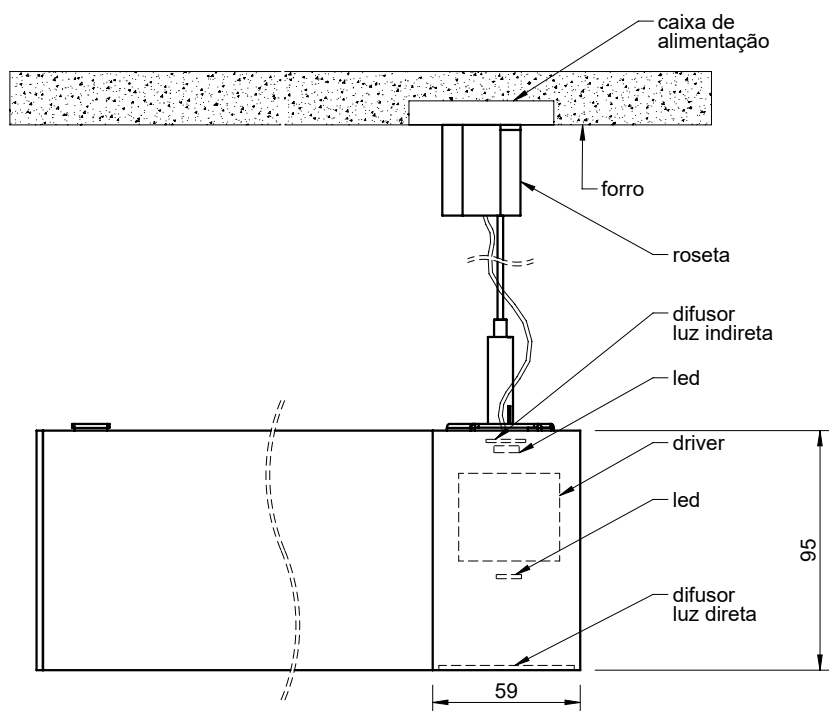
perfis

dimensões em milímetros

junção 90°	
mp (25w/mt)	25
lp (1x 5w/mt)	4,75
lp (2x 5w/mt)	9,5
lp (1x 15w/mt)	14,25
lp (2x 15w/mt)	28,5

vista lateral

dimensões em milímetros



mini linea diffuse junção 90 s2 série 2

folha
1/1

escala
1:7

data
29/08/2025

desenhista
joão v.

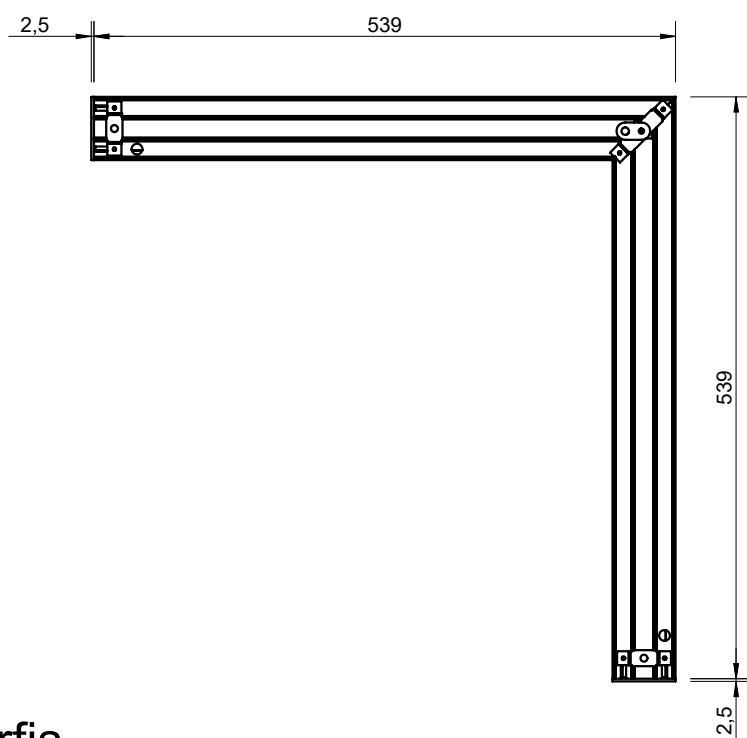
aprovação
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revisões

29/08/2025

vista superior

dimensões em milímetros



perfis

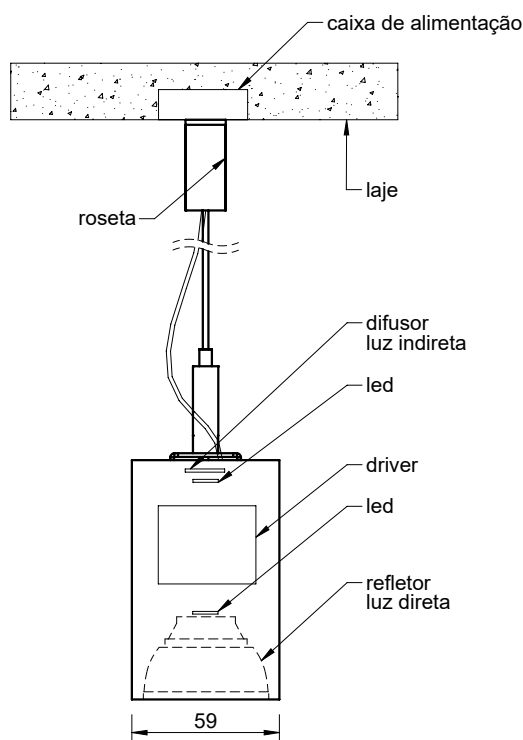
dimensões em milímetros

junção 90°	
luz direta	
mp (w)	25
1x lp (w)	15
2x lp (w)	30
luz indireta	
mp (w)	25
1x lp (w)	4,75
2x lp (w)	9,5
1x lp (w)	14,25
2x lp (w)	28,5

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vista lateral

dimensões em milímetros



mini linea evo s2 série 2

folha
1/1

escala
1:2

data
01/09/2025

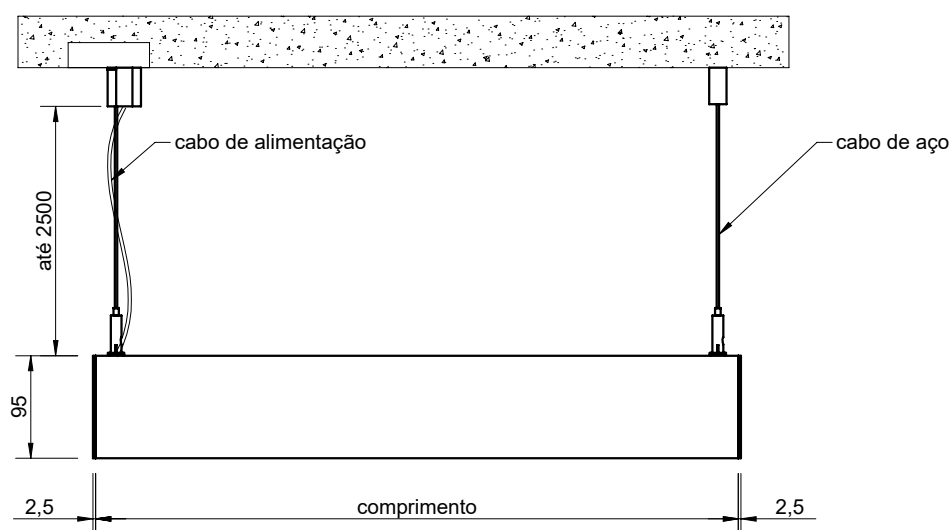
desenhista
joão v.

aprovação
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revisões
01/09/2025

vista frontal

dimensões em milímetros



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perfis

dimensões em milímetros

luz direta			
perfis	60	120	240
comprimento (mm)	595	1187	2372
mp (w)	16,8	33,6	67,2
luz indireta			
mp (w)	16	32	64
1x lp (w)	2,875	5,875	11,75
2x lp (w)	5,75	11,75	23,5
1x lp (w)	8,625	17,625	35,5
2x lp (w)	17,25	35,25	70,5

potência total da luminária = valores luz direta + valores luz indireta



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LumCAT:

Luminaire: mini linea diffuse 50 down s1 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: $C=0.0$ $\gamma=0.0$

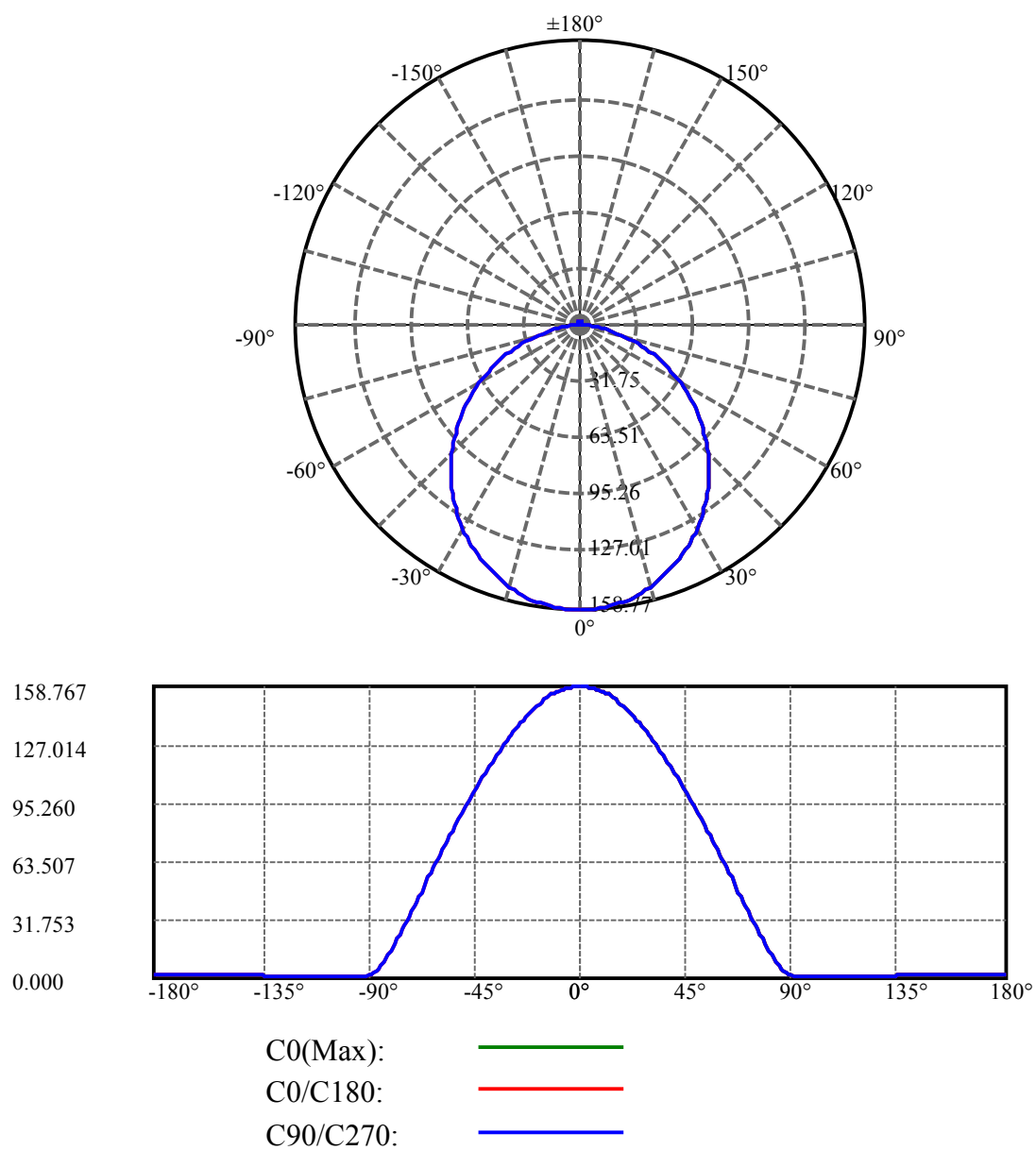
Beam angle of C0 plane : 108.47

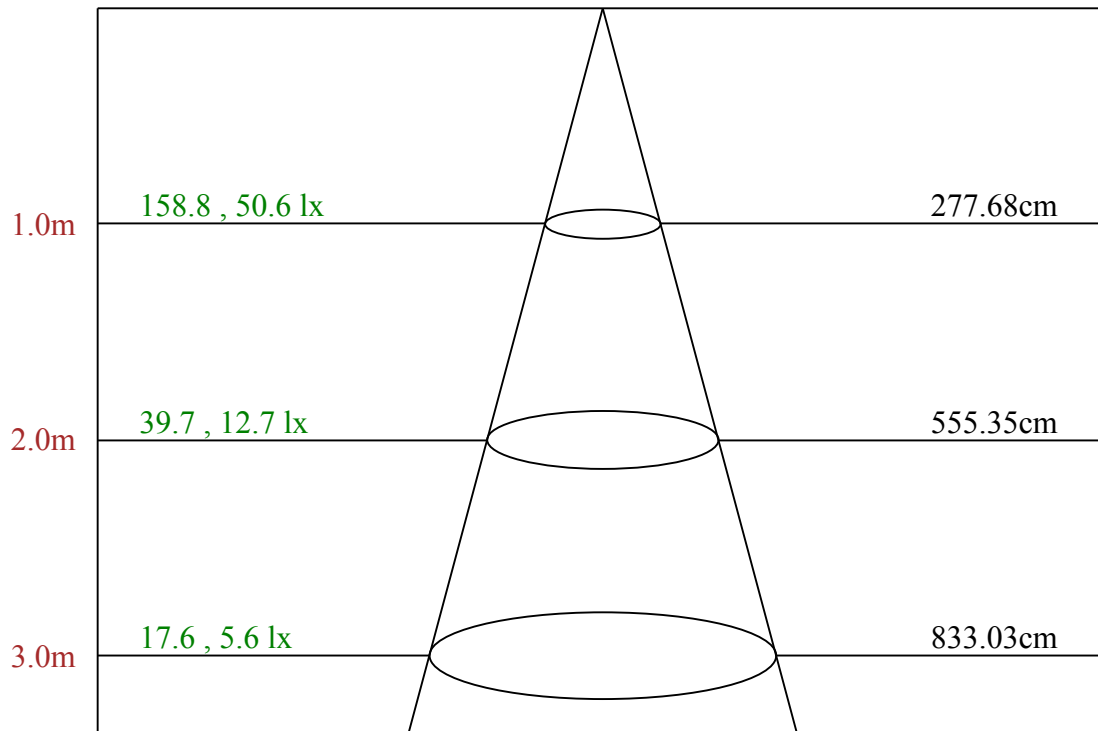
Average BeamAngle(IEC 61341): 108.47

Equipment: equipamento lumini
Temperature(°C): 26.8

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

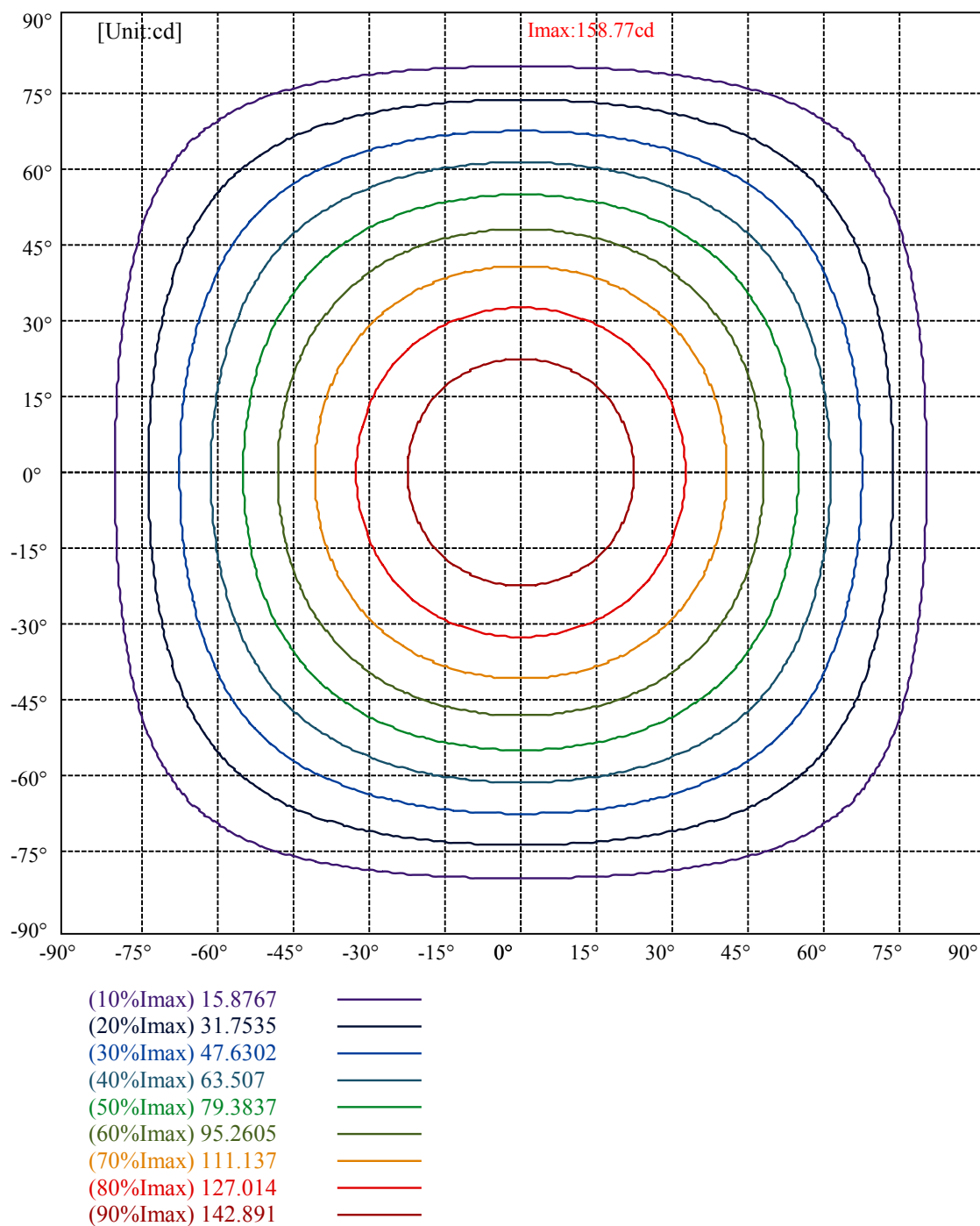
Operator: 01
Distance(m): 6.90





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

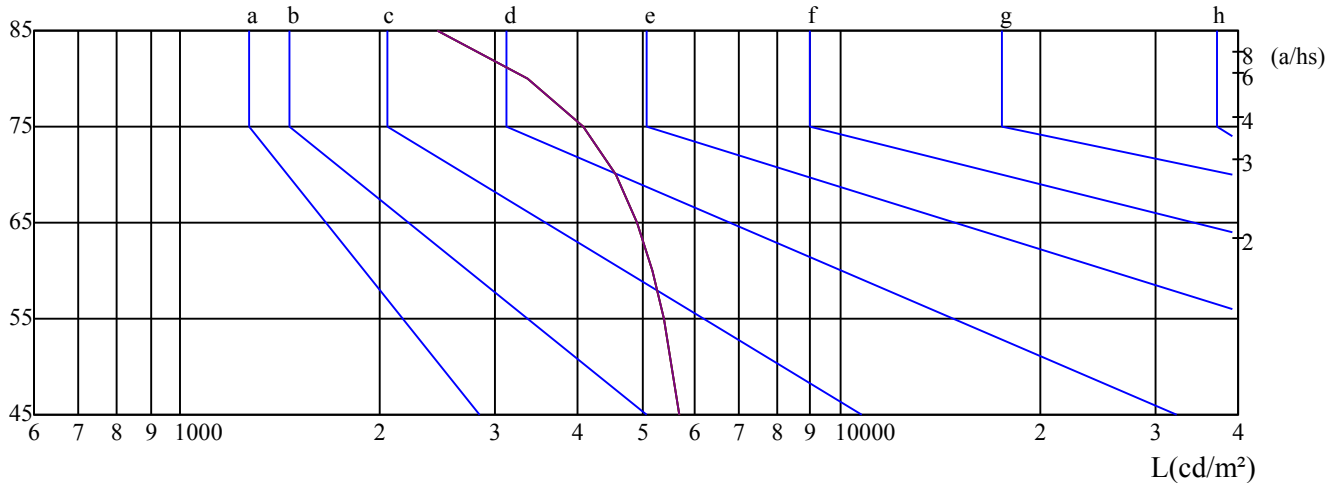
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4915	4915	4915	4063	4063	4063	2450	2450	2450

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 evo 60 down s1 sr2

LampCAT: modulo led 16W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 126.0000

Test No:

Current(A): 0.2800

Number of Lamps: 1

Power (W): 35.2800

Lamp flux(lm): 2395.0

PF: 0.0000

Length(mm): 592

Width(mm): 59

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1547.45, Efficiency(%): 64.61% , Luminous Efficacy(lm/W): 43.86

Central intensity(cd): 811.275, Maximum intensity(cd): 811.275

Angle of maximum intensity: C=0.0 γ =0.0

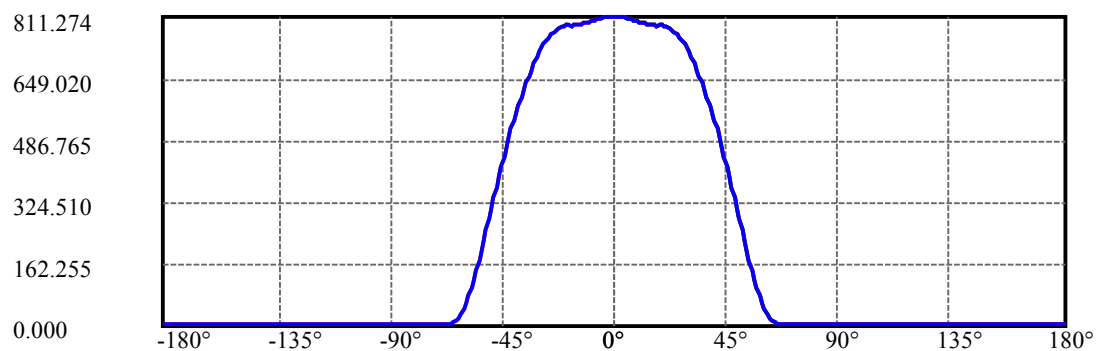
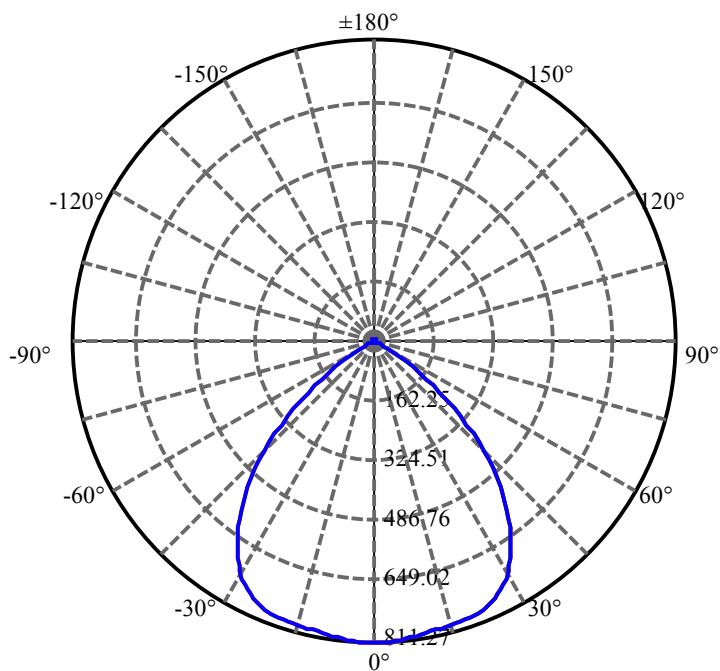
Beam angle of C0 plane : 90.99

Aveage BeamAngle(IEC 61341):90.99

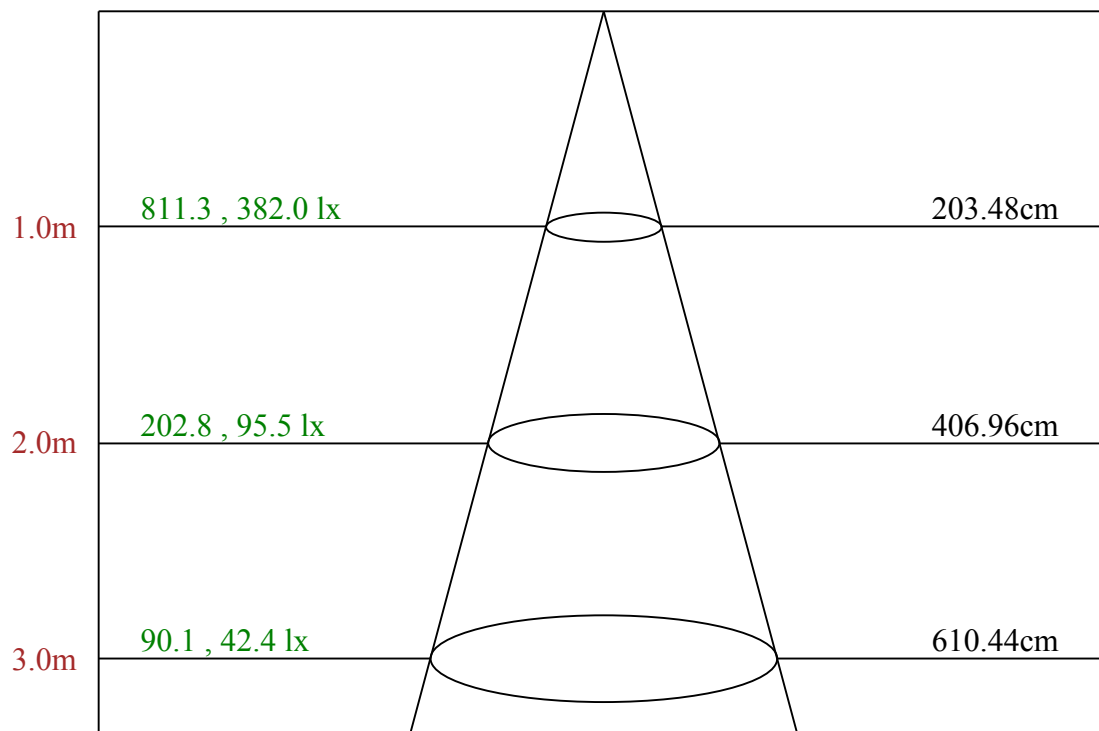
Equipment: equipamento lumini
Temperature(°C): 24.4

Date: 23/12/2024
Humidity(%): 52.0%

Operator: 01
Distance(m): 6.90

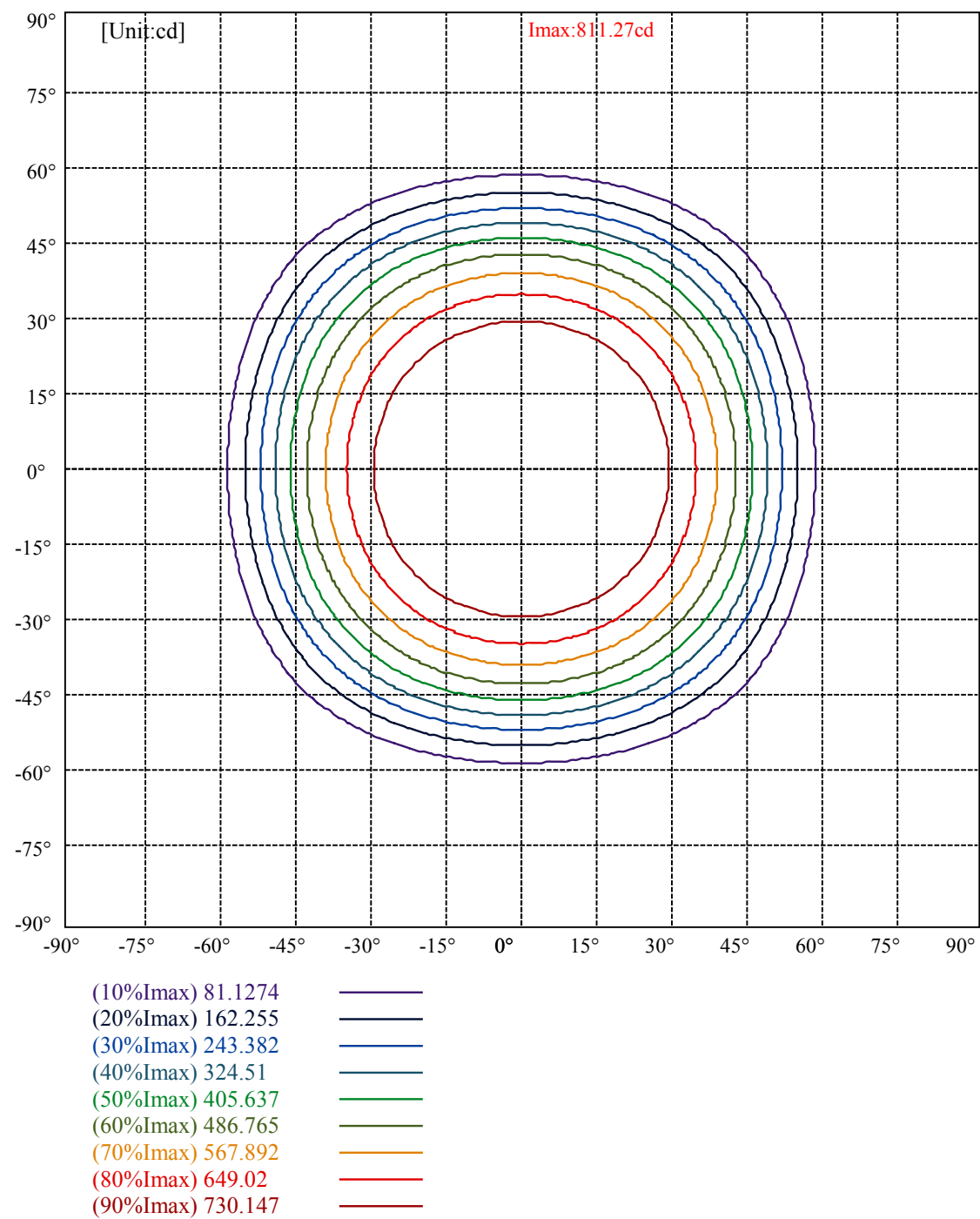


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 90.99



Luminance Table

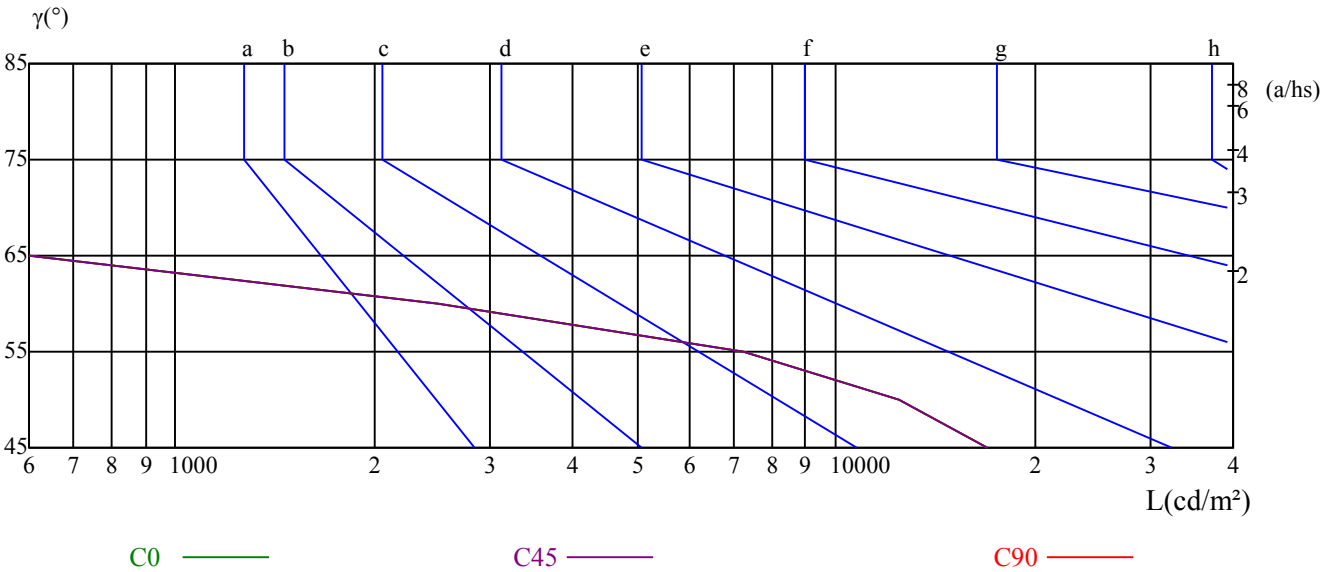
γ	45	50	55	60	65	70	75	80	85
C0	16973	12485	7258	2493	506	345	421	594	1122
C45	16973	12485	7258	2493	506	345	421	594	1122
C90	16973	12485	7258	2493	506	345	421	594	1122

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
506	506	506	421	421	421	1122	1122	1122

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	18.87	20.13	19.26	20.48	20.84	19.00	20.26	19.39	20.61	20.97
	3H	18.72	19.83	19.14	20.21	20.59	18.85	19.97	19.27	20.34	20.73
	4H	18.65	19.68	19.07	20.06	20.47	18.78	19.81	19.20	20.19	20.60
	6H	18.59	19.53	19.03	19.94	20.38	18.72	19.66	19.16	20.07	20.51
	8H	18.52	19.43	18.97	19.84	20.29	18.65	19.56	19.10	19.97	20.42
	12H	18.47	19.33	18.92	19.76	20.21	18.60	19.46	19.05	19.88	20.34
4H	2H	18.75	19.78	19.17	20.16	20.57	18.87	19.90	19.30	20.29	20.70
	3H	18.57	19.42	19.03	19.84	20.30	18.70	19.54	19.15	19.97	20.42
	4H	18.53	19.26	19.00	19.72	20.20	18.65	19.39	19.12	19.84	20.32
	6H	18.42	19.07	18.92	19.55	20.04	18.54	19.19	19.04	19.67	20.16
	8H	18.38	18.98	18.89	19.47	19.98	18.50	19.10	19.01	19.59	20.10
	12H	18.35	18.91	18.87	19.39	19.94	18.47	19.03	18.98	19.51	20.06
8H	4H	18.36	18.96	18.87	19.45	19.96	18.48	19.09	18.99	19.57	20.08
	6H	18.23	18.74	18.76	19.24	19.79	18.35	18.86	18.88	19.36	19.91
	8H	18.24	18.68	18.79	19.22	19.75	18.36	18.80	18.91	19.34	19.87
	12H	18.21	18.58	18.77	19.12	19.67	18.32	18.69	18.88	19.23	19.79
12H	4H	18.32	18.88	18.83	19.35	19.91	18.44	19.00	18.95	19.48	20.03
	6H	18.22	18.66	18.78	19.21	19.74	18.34	18.78	18.90	19.33	19.86
	8H	18.19	18.55	18.75	19.10	19.65	18.30	18.67	18.86	19.21	19.77
Variation with the observer position at spacings:											
S = 1.0H		1.4/-3.2					1.4/-3.2				
S = 1.5H		3.0/-13.6					3.0/-13.6				
S = 2.0H		5.1/-15.1					5.1/-15.1				
Standard tables:		BK0					BK0				
Uncorrected UGR		0.7					0.7				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 down s1 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: $C=0.0$ $\gamma=0.0$

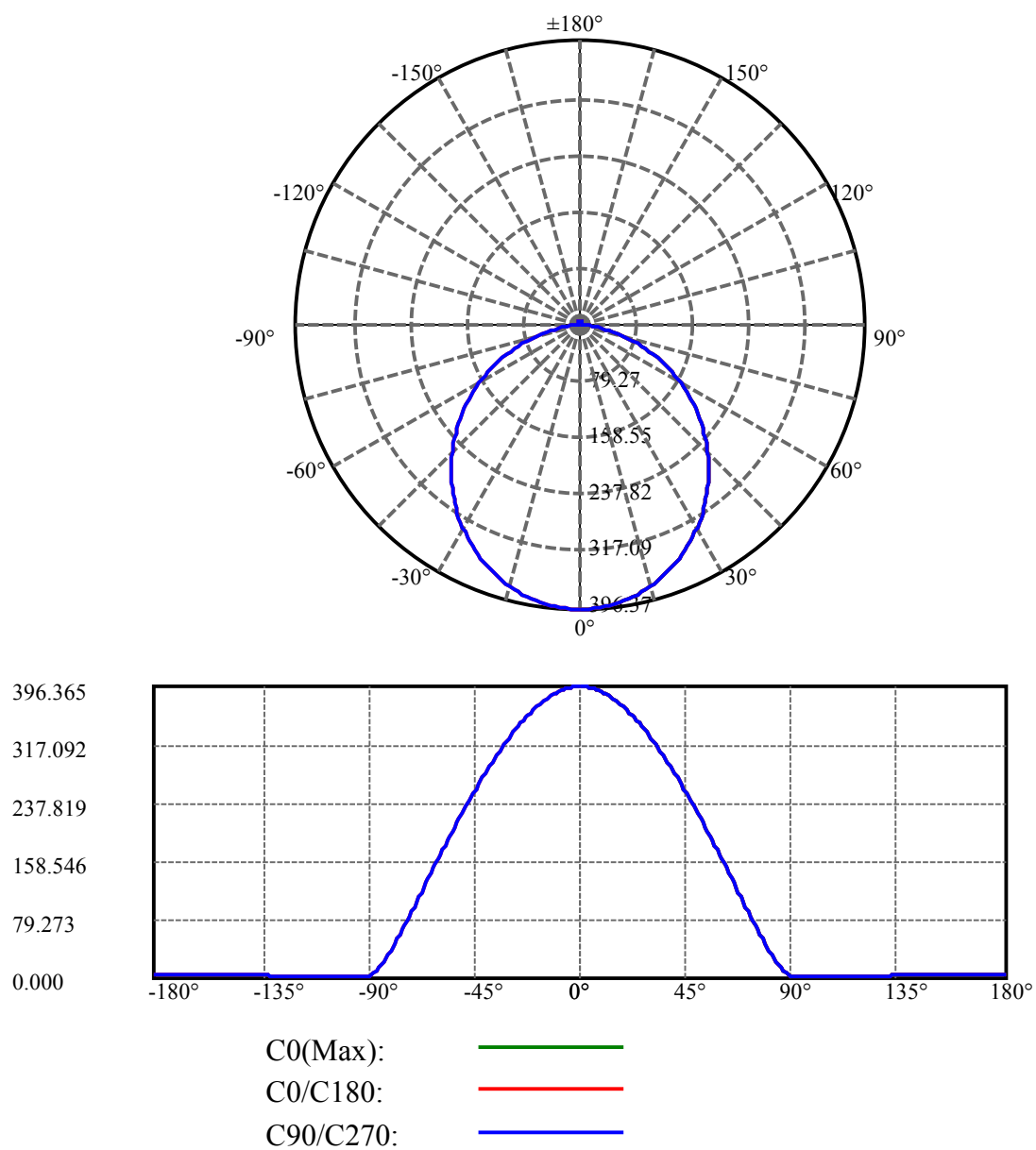
Beam angle of C0 plane : 108.45

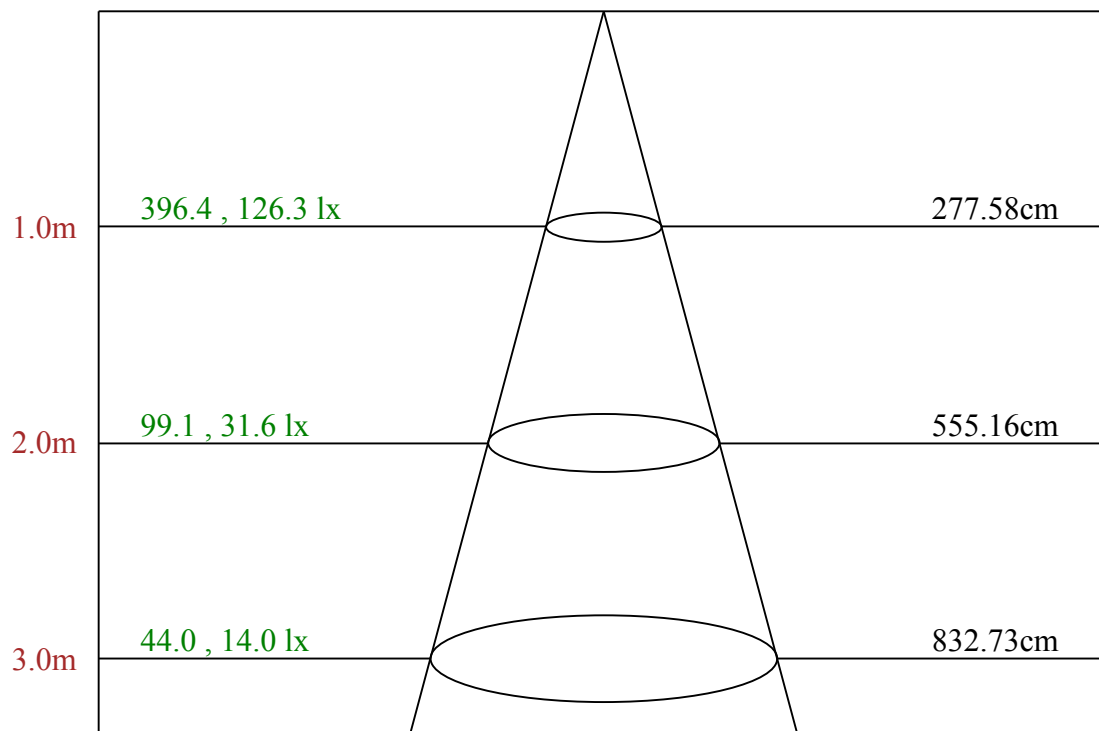
Average BeamAngle(IEC 61341): 108.45

Equipment: equipamento lumini
Temperature(°C): 26.8

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

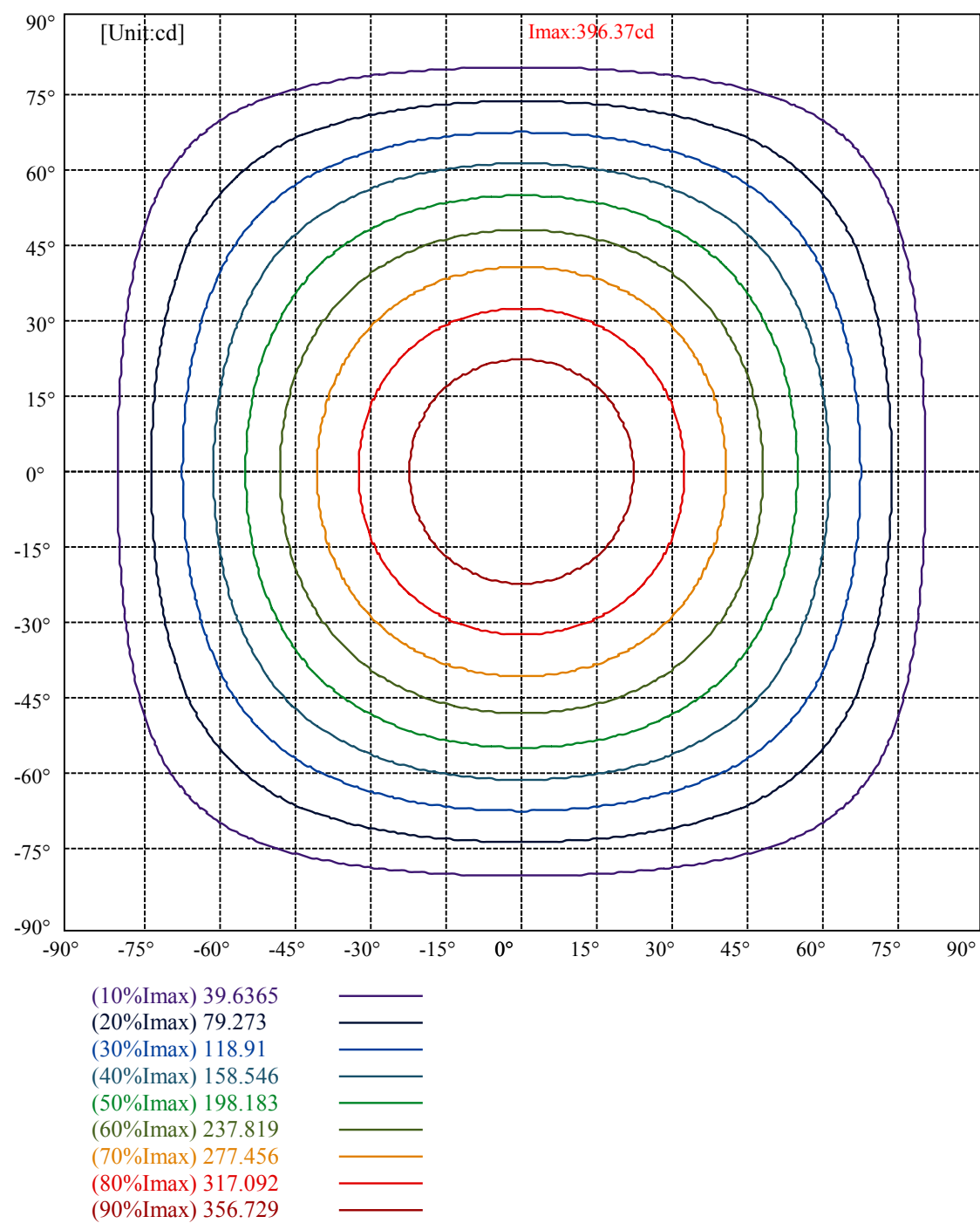
Operator: 01
Distance(m): 6.90





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

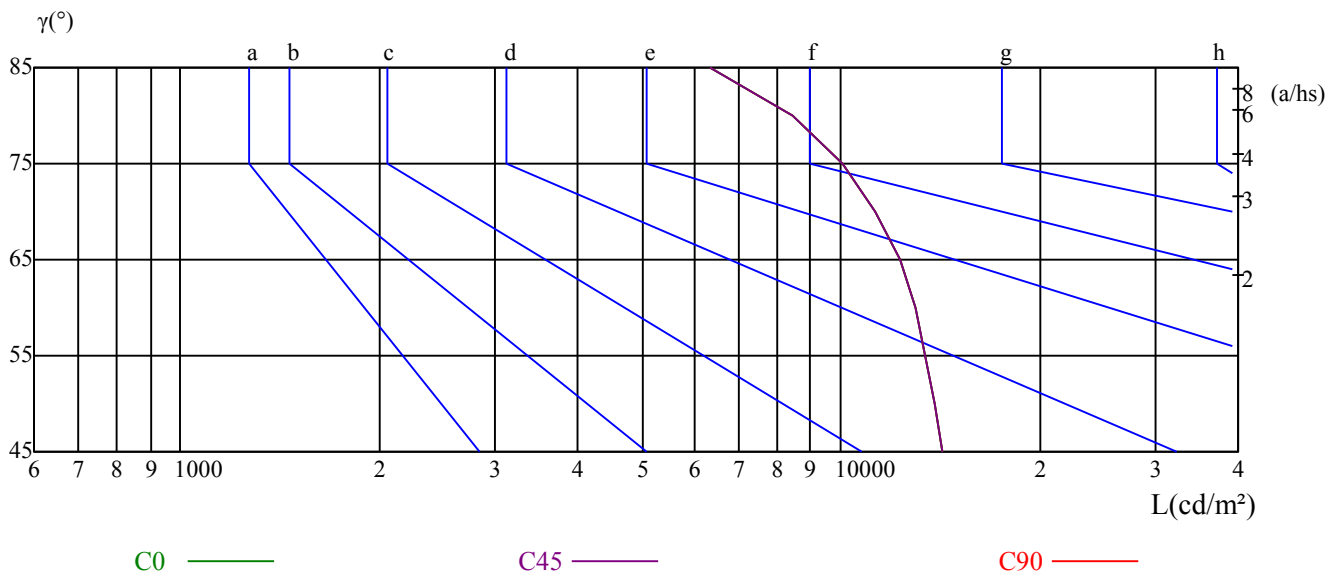
γ	45	50	55	60	65	70	75	80	85
C0	14229	13904	13461	12948	12278	11315	10096	8438	6342
C45	14229	13904	13461	12948	12278	11315	10096	8438	6342
C90	14229	13904	13461	12948	12278	11315	10096	8438	6342

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($^{\circ}$ 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 s1 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 γ =0.0

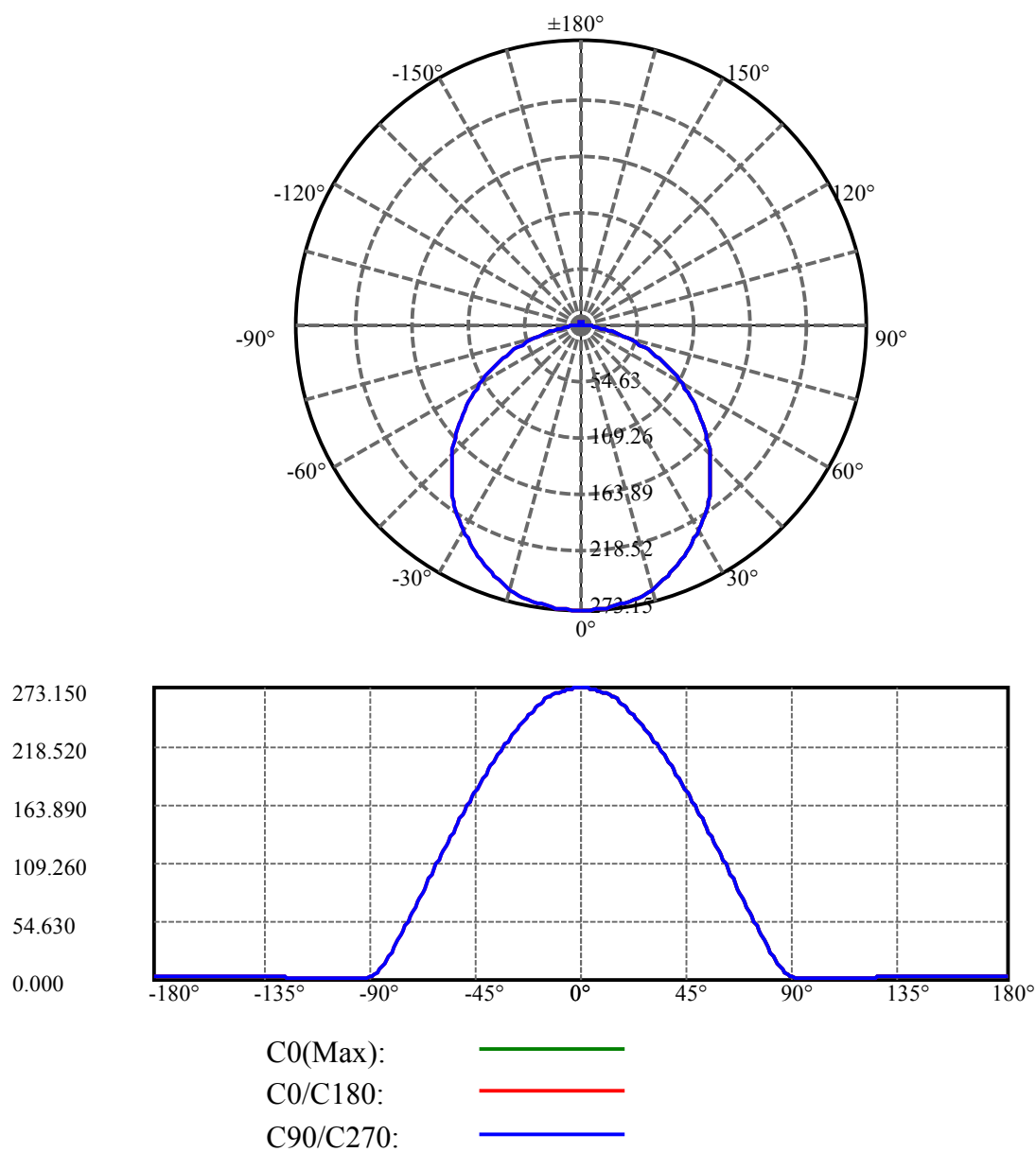
Beam angle of C0 plane : 108.53

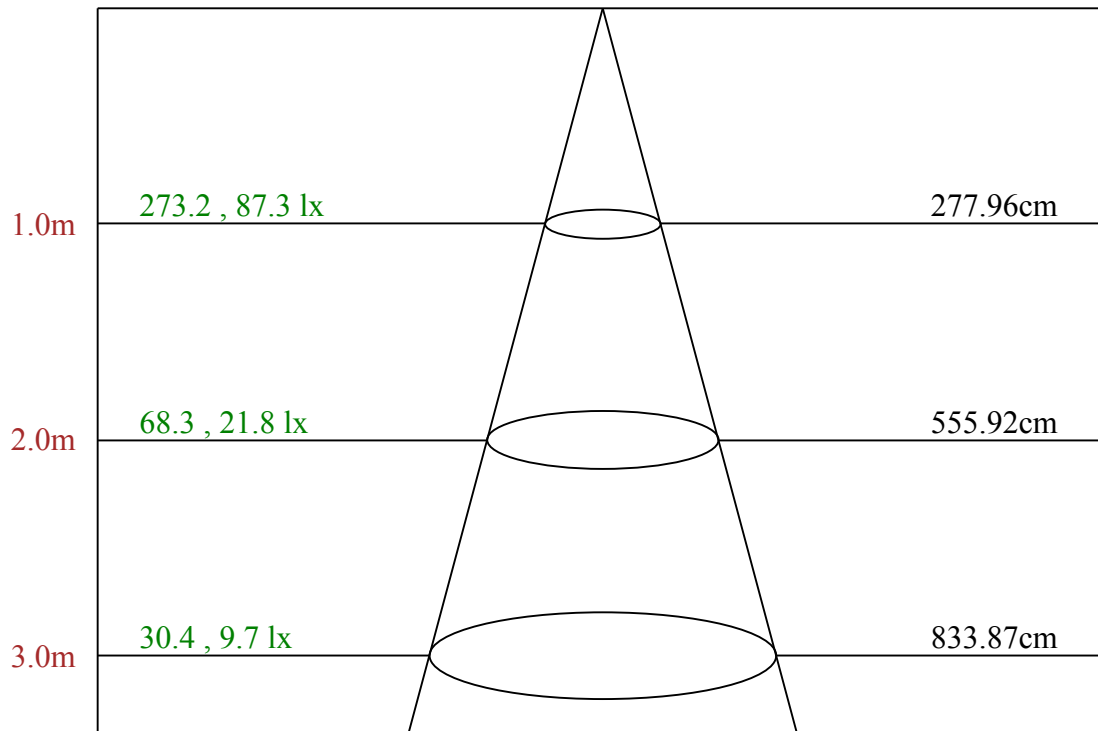
Average BeamAngle(IEC 61341): 108.53

Equipment: equipamento lumini
Temperature(°C): 25.0

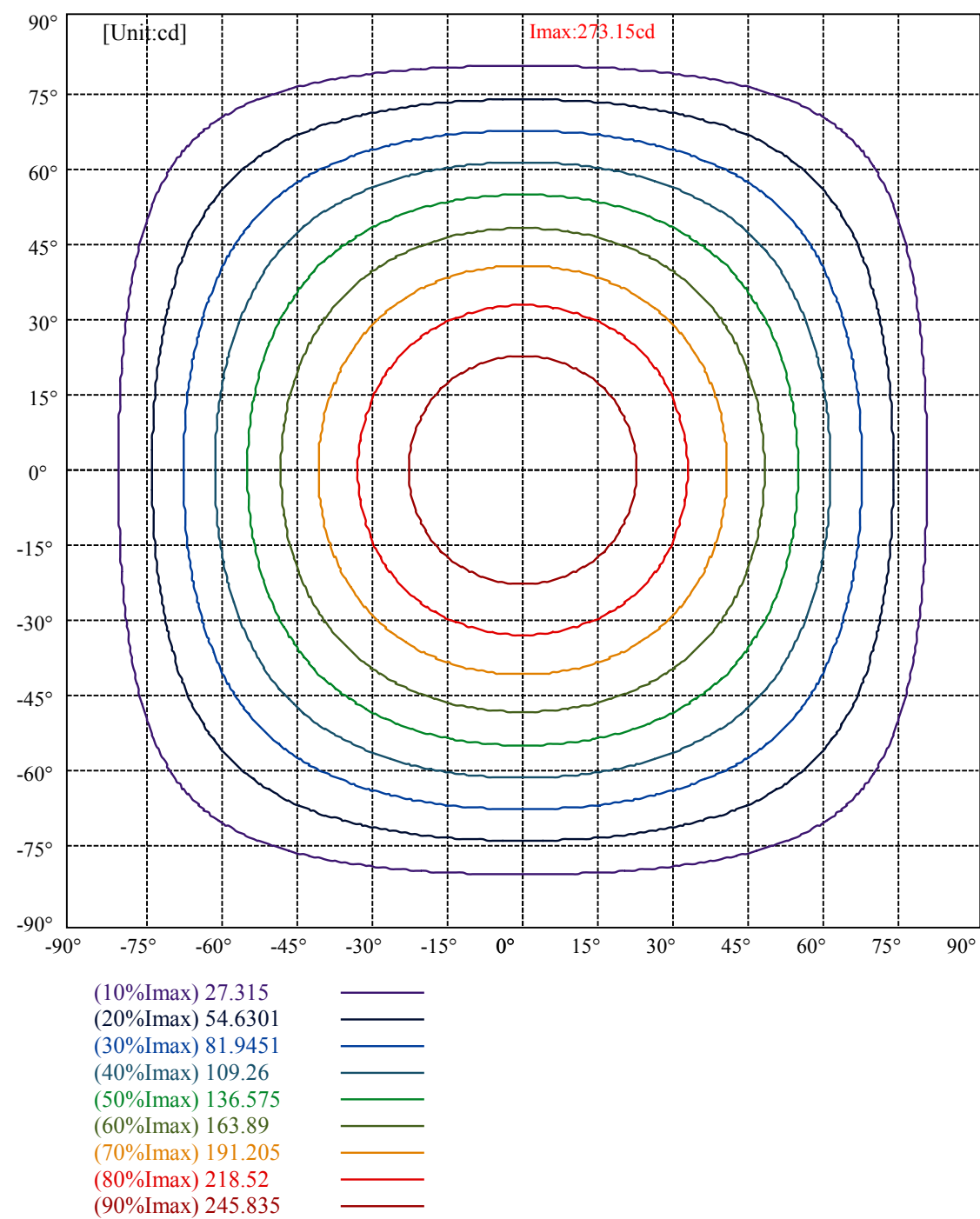
Date: 01/09/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 108.53



Luminance Table

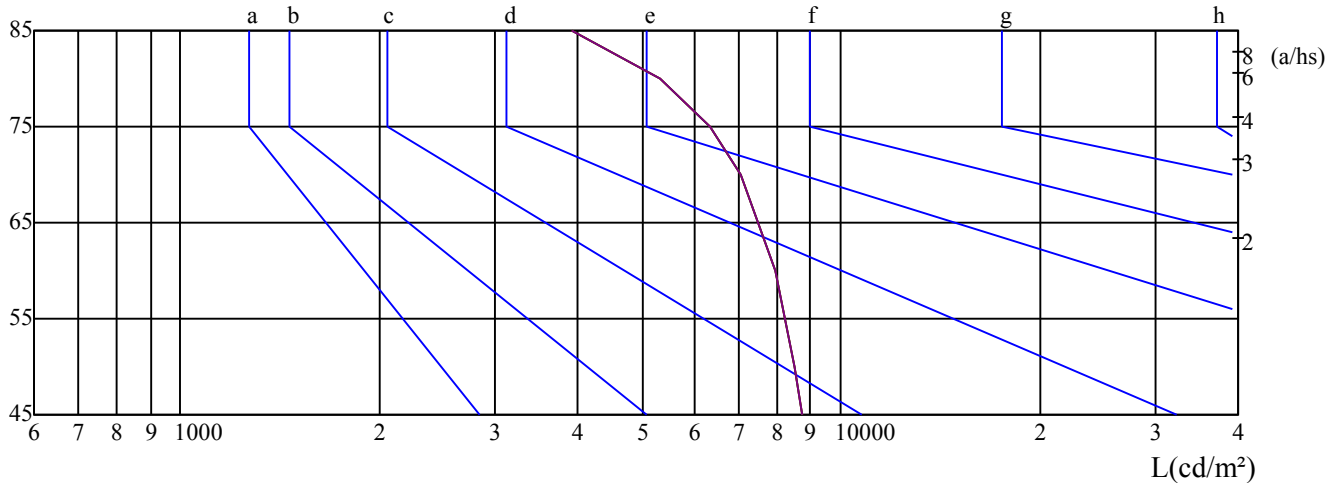
γ	45	50	55	60	65	70	75	80	85
C0	8738	8498	8223	7935	7518	7050	6357	5320	3924
C45	8738	8498	8223	7935	7518	7050	6357	5320	3924
C90	8738	8498	8223	7935	7518	7050	6357	5320	3924

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 3W

LampCAT: modulo led 5Wm 30K irc 90

Ballast type: led line driver 12Vdc

Report No:

Voltage(V): 127.8800

Test No:

Current(A): 0.0650

Number of Lamps: 1

Power (W): 4.3030

Lamp flux(lm): 334.8

PF: 0.5220

Length(mm): 585

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 156.54, Efficiency(%): 46.76% , Luminous Efficacy(lm/W): 36.38

Central intensity(cd): 54.323, Maximum intensity(cd): 54.323

Angle of maximum intensity: C=0.0 γ =0.0

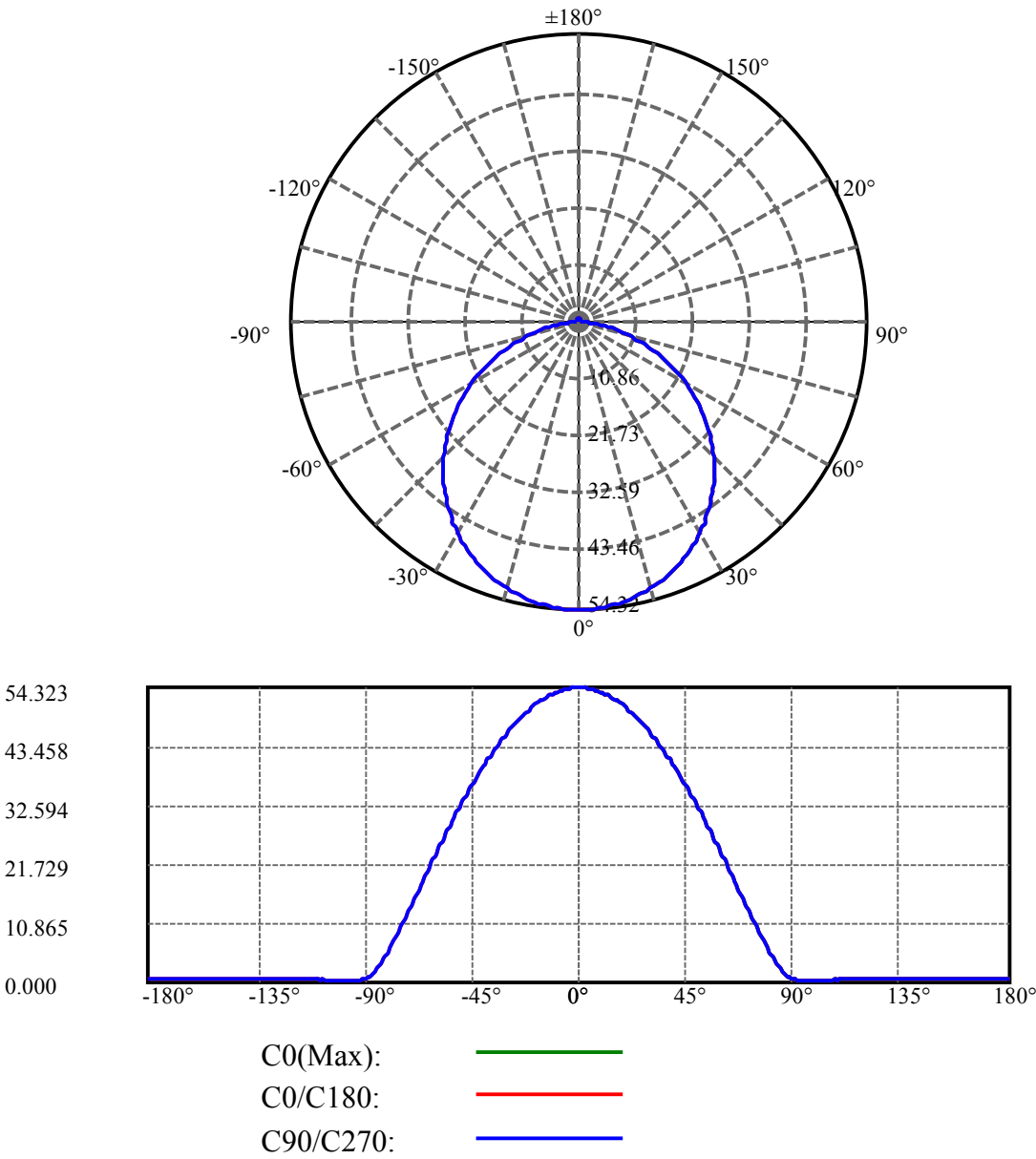
Beam angle of C0 plane : 111.57

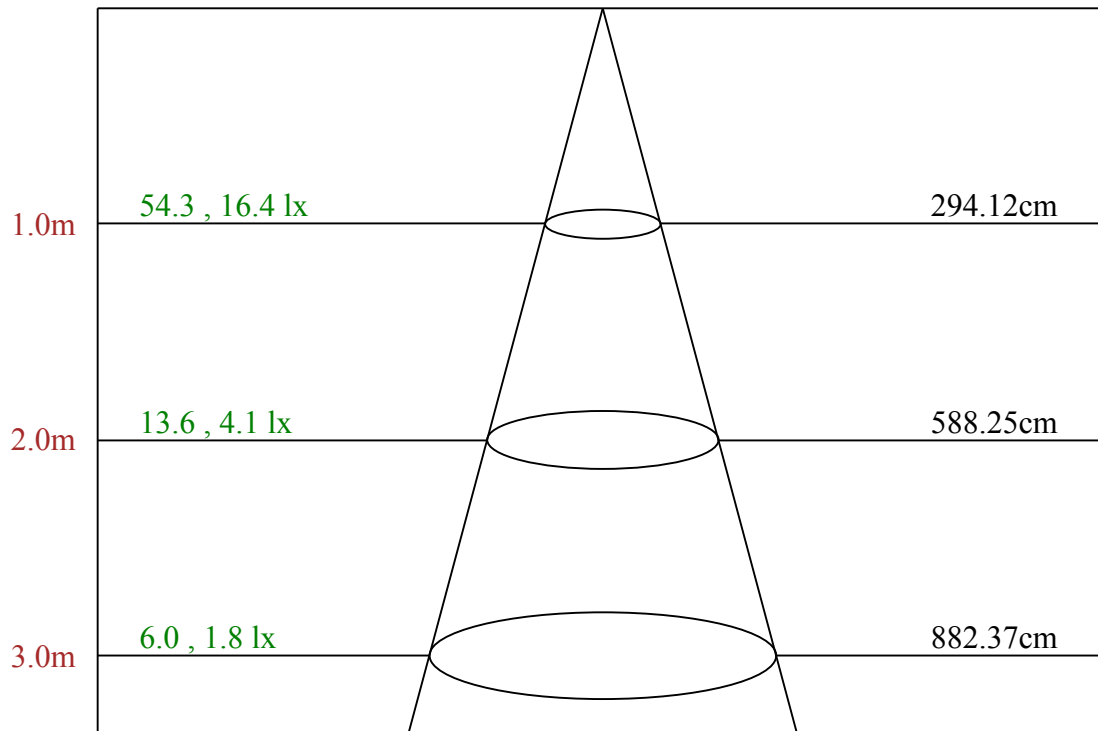
Aveage BeamAngle(IEC 61341):111.57

Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 04/09/2025
Humidity(%): 58.0%

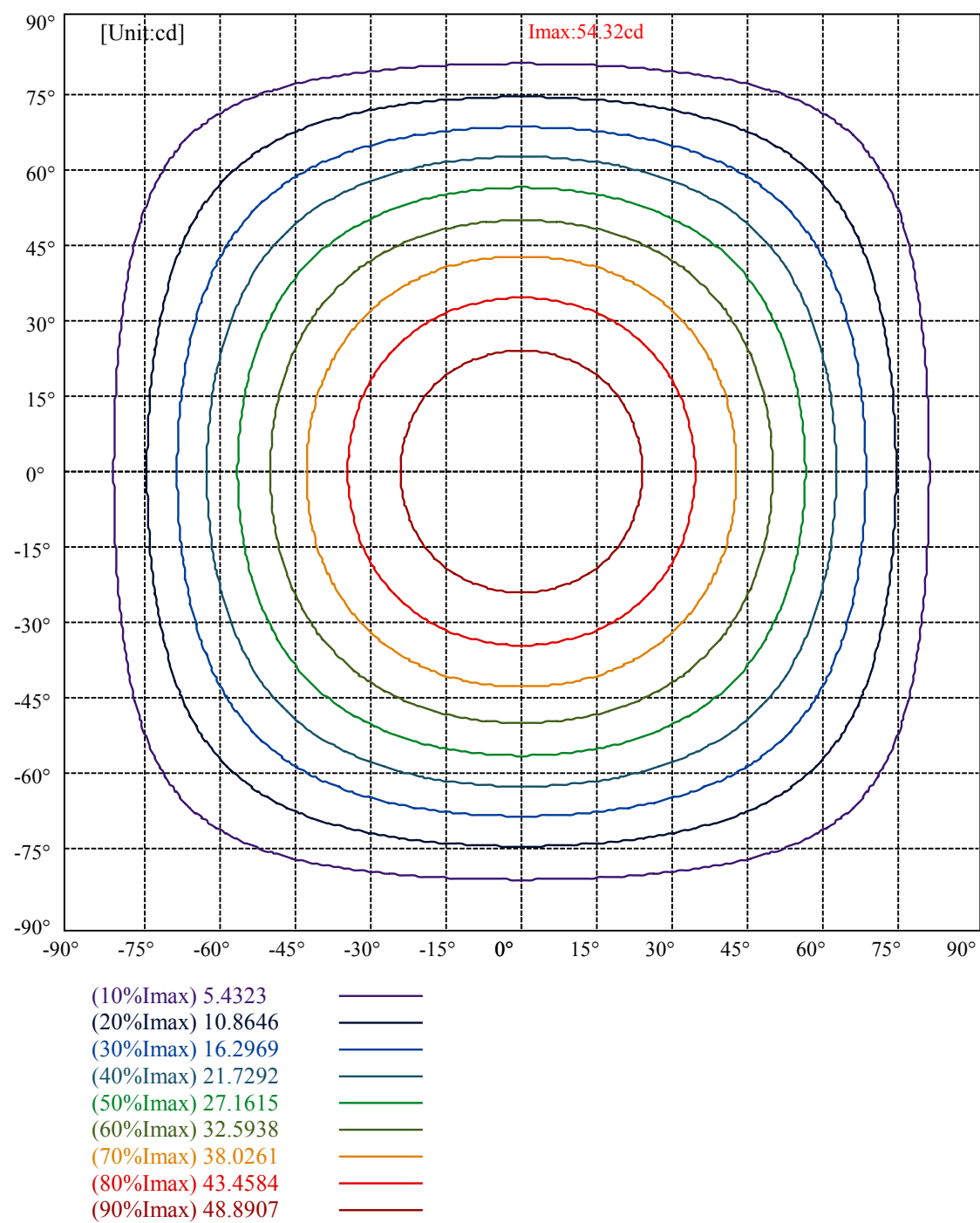
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 111.57



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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	5448	5324	5197	5008	4730	4421	3965	3409	2597
C45	5448	5324	5197	5008	4730	4421	3965	3409	2597
C90	5448	5324	5197	5008	4730	4421	3965	3409	2597

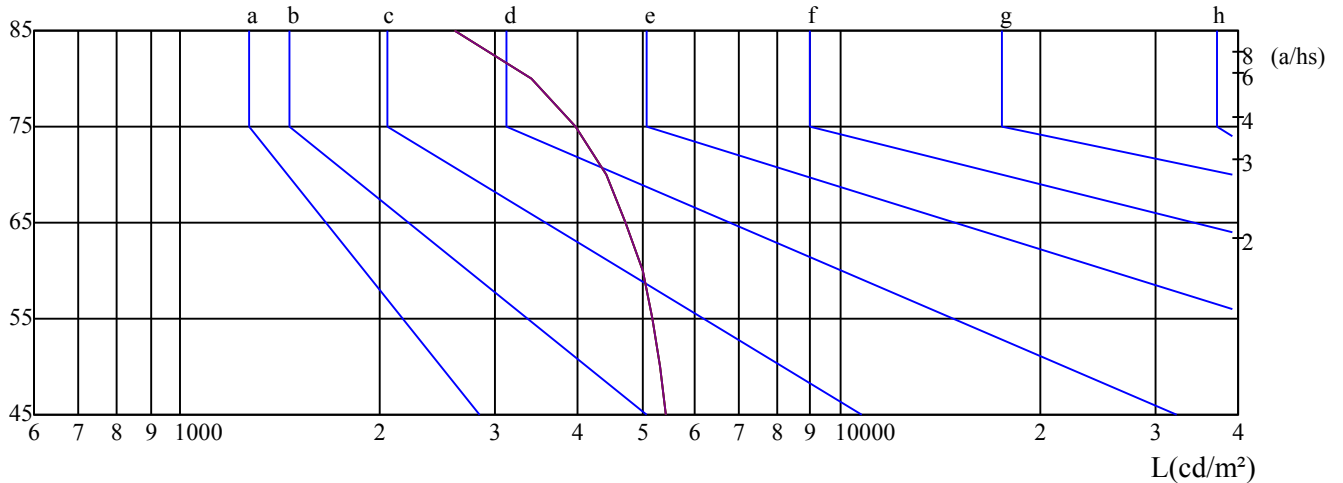
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
4730	4730	4730	3965	3965	3965	2597	2597	2597

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: 04/09/2025
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	18.27	19.85	18.66	20.21	20.58	18.49	20.07	18.88	20.43	20.80
	3H	19.92	21.35	20.34	21.74	22.13	20.23	21.66	20.64	22.05	22.44
	4H	20.53	21.88	20.96	22.28	22.69	20.85	22.19	21.27	22.59	23.00
	6H	21.00	22.25	21.44	22.66	23.10	21.30	22.55	21.74	22.96	23.41
	8H	21.12	22.33	21.56	22.75	23.20	21.41	22.61	21.85	23.03	23.49
	12H	21.18	22.34	21.63	22.77	23.23	21.45	22.61	21.90	23.04	23.50
4H	2H	19.06	20.41	19.49	20.80	21.22	19.23	20.57	19.65	20.97	21.39
	3H	20.86	22.01	21.31	22.44	22.90	21.11	22.26	21.56	22.69	23.15
	4H	21.64	22.66	22.11	23.11	23.60	21.89	22.91	22.36	23.37	23.86
	6H	22.18	23.09	22.67	23.57	24.06	22.42	23.33	22.92	23.81	24.30
	8H	22.37	23.22	22.88	23.71	24.22	22.60	23.45	23.11	23.94	24.45
	12H	22.50	23.29	23.01	23.77	24.32	22.71	23.50	23.22	23.98	24.53
8H	4H	21.95	22.80	22.46	23.29	23.80	22.18	23.03	22.68	23.51	24.02
	6H	22.63	23.34	23.16	23.85	24.40	22.84	23.55	23.36	24.06	24.60
	8H	22.96	23.58	23.50	24.12	24.66	23.15	23.77	23.69	24.31	24.85
	12H	23.14	23.67	23.70	24.22	24.77	23.31	23.83	23.86	24.38	24.94
12H	4H	21.99	22.78	22.50	23.25	23.81	22.21	23.00	22.72	23.48	24.03
	6H	22.76	23.38	23.30	23.92	24.46	22.96	23.58	23.50	24.12	24.66
	8H	23.08	23.60	23.63	24.15	24.70	23.26	23.78	23.81	24.33	24.89
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		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 up s1 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 γ =1.0

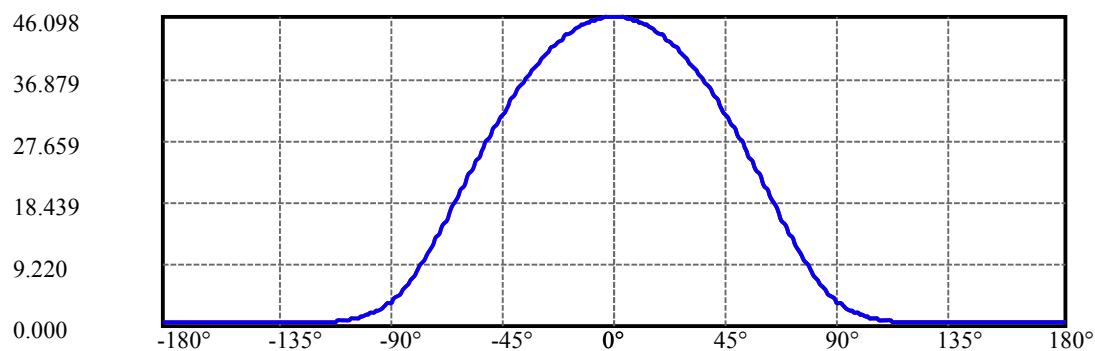
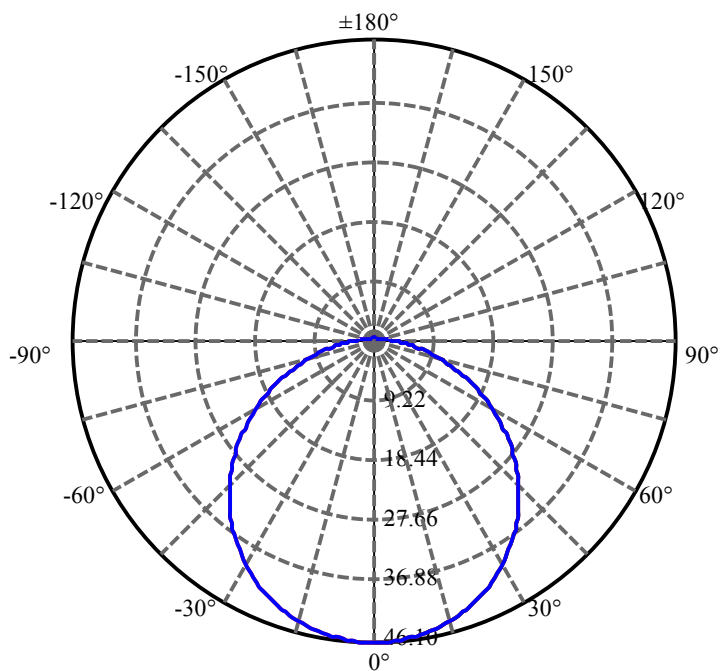
Beam angle of C0 plane : 114.56

Aveage BeamAngle(IEC 61341):114.56

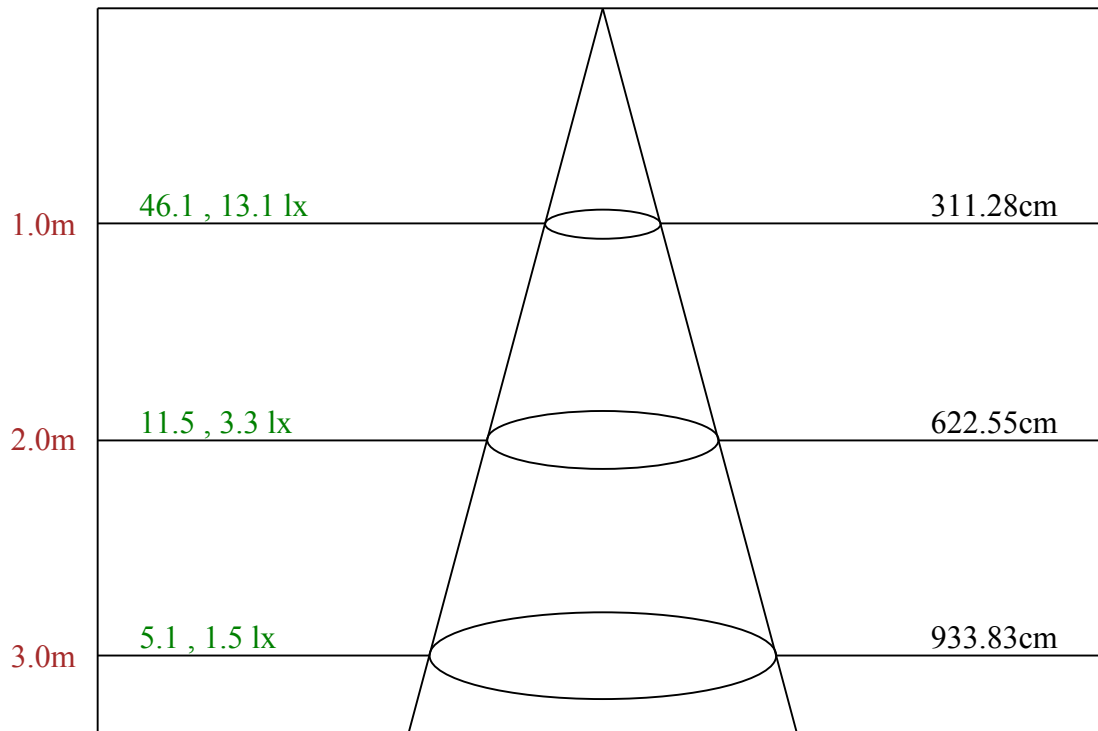
Equipment: equipamento lumini
Temperature(°C): 26.2

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

Operator: 01
Distance(m): 6.90

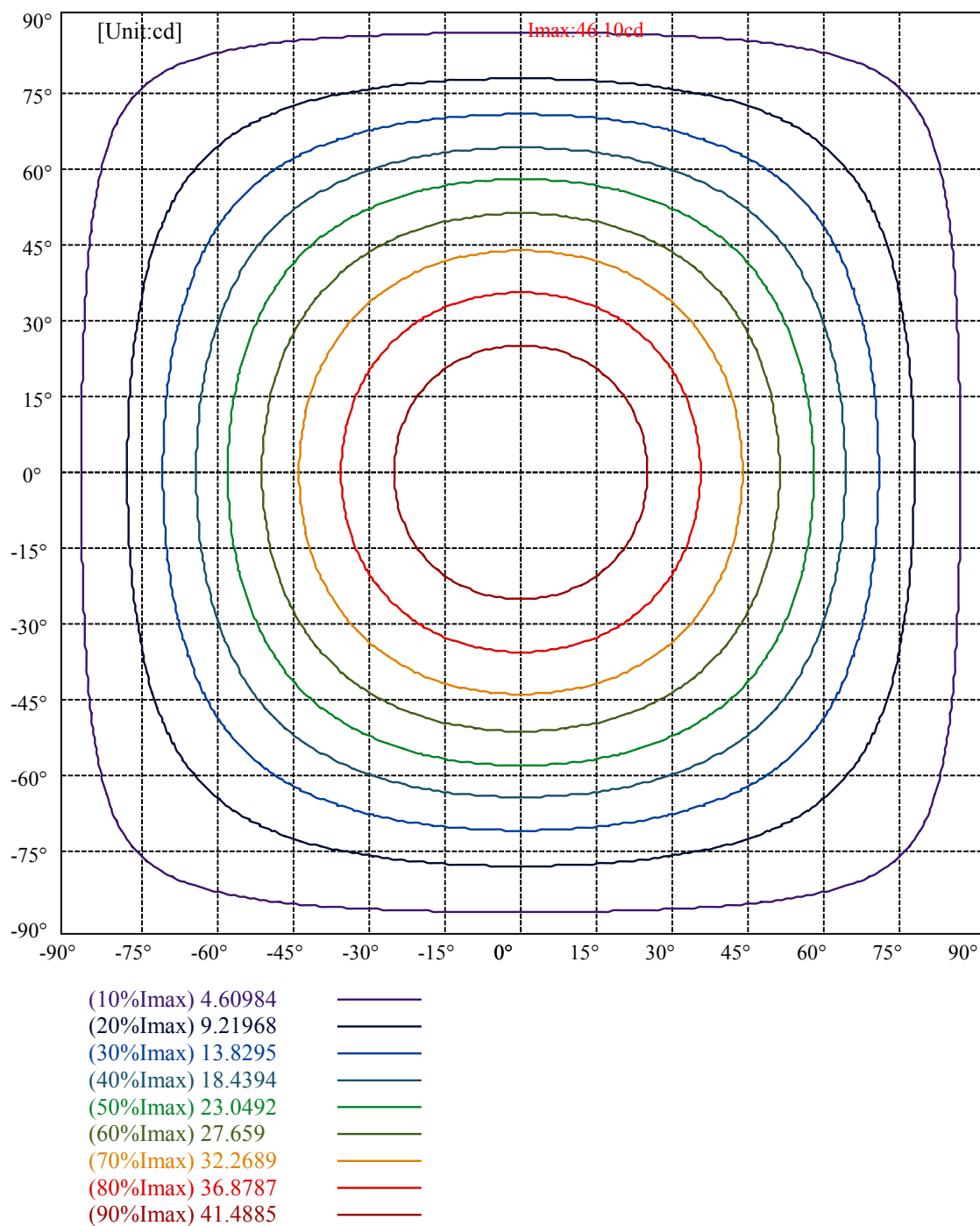


C0(Max):
C0/C180:
C90/C270:



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

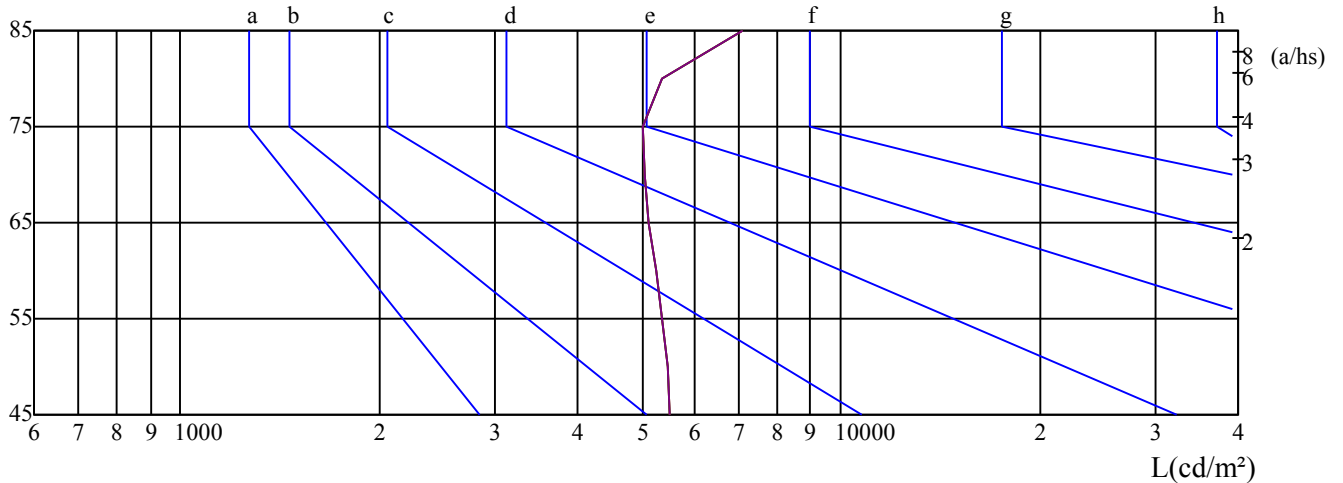
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
5131	5131	5131	5018	5018	5018	7101	7101	7101

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 evo 60 s2 sr2 6W

LampCAT: modulo led 10Wm 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.8400

Test No:

Current(A): 0.0730

Number of Lamps: 1

Power (W): 8.4230

Lamp flux(lm): 608.0

PF: 0.8970

Length(mm): 585

Width(mm): 56

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 309.57, Efficiency(%): 50.92% , Luminous Efficacy(lm/W): 36.75

Central intensity(cd): 107.408, Maximum intensity(cd): 107.408

Angle of maximum intensity: C=0.0 γ =0.0

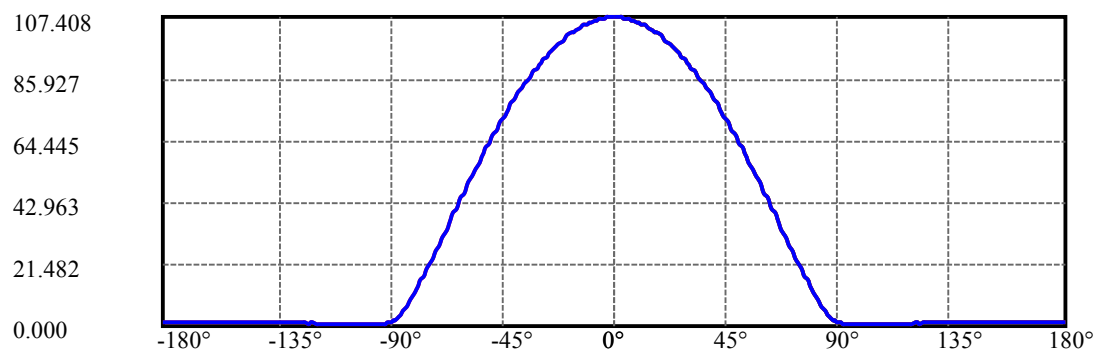
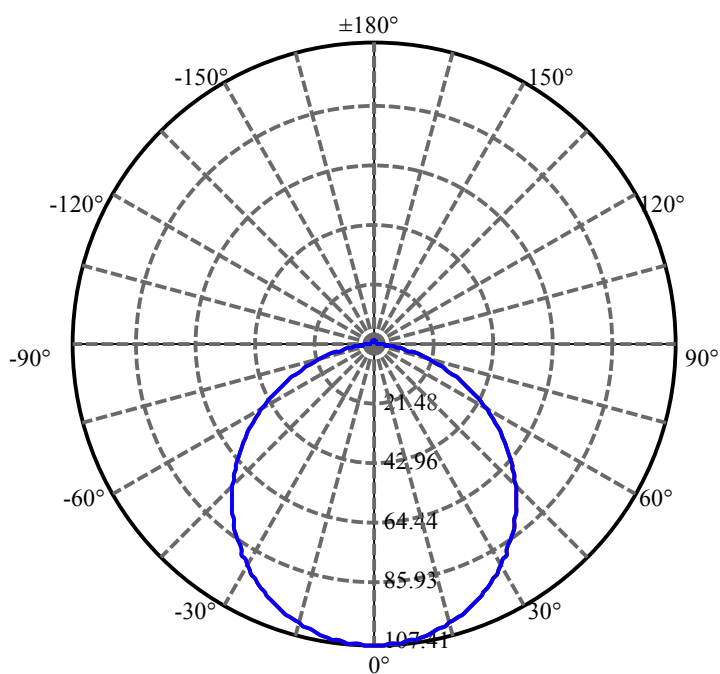
Beam angle of C0 plane : 111.66

Aveage BeamAngle(IEC 61341):111.66

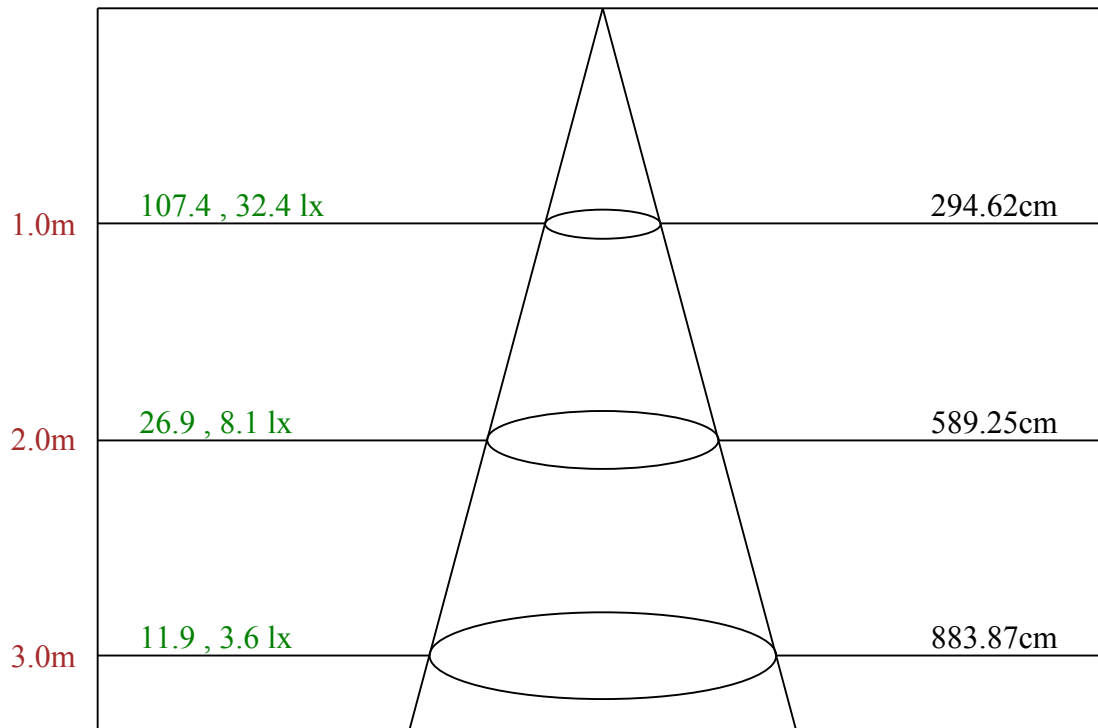
Equipment: equipamento lumini
Temperature(°C): 25.0

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

Operator: 01
Distance(m): 6.90

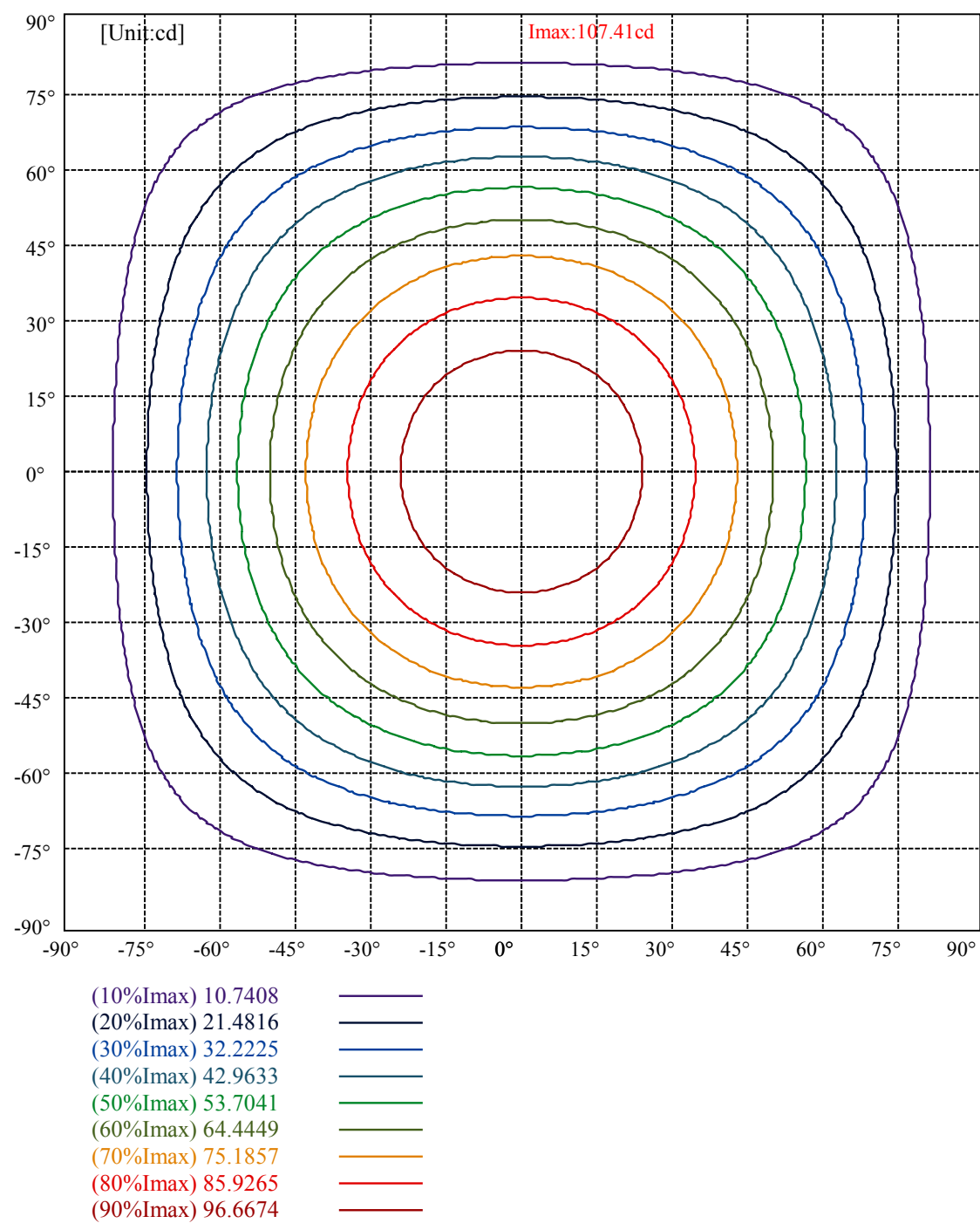


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 111.66



Luminance Table

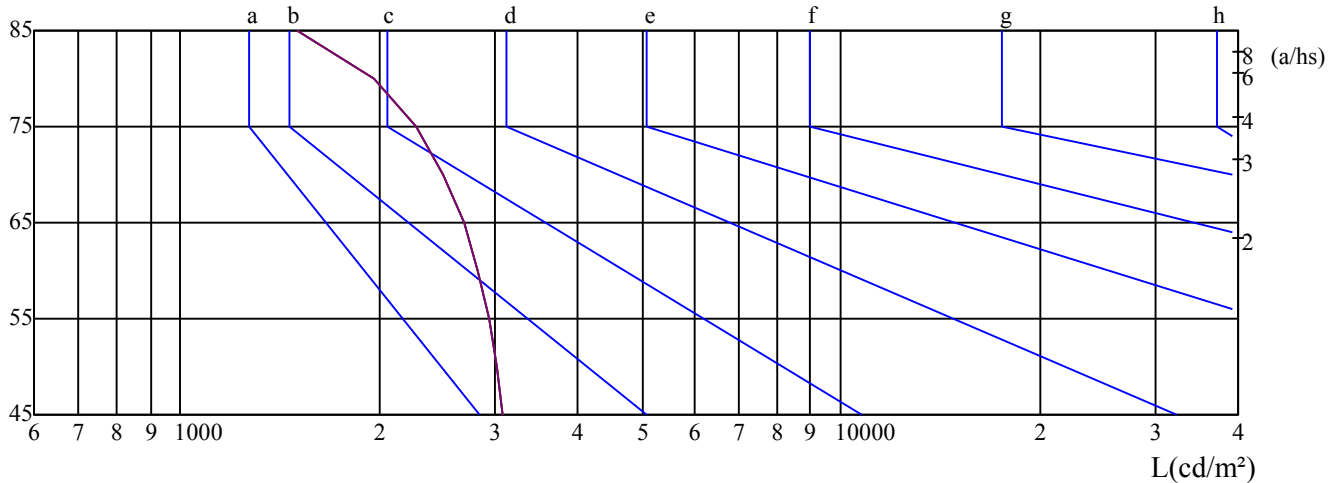
γ	45	50	55	60	65	70	75	80	85
C0	3079	3021	2926	2823	2682	2500	2271	1960	1501
C45	3079	3021	2926	2823	2682	2500	2271	1960	1501
C90	3079	3021	2926	2823	2682	2500	2271	1960	1501

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2682	2682	2682	2271	2271	2271	1501	1501	1501

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	16.02	17.61	16.41	17.97	18.33	16.37	17.96	16.76	18.32	18.68
	3H	17.61	19.05	18.02	19.43	19.82	18.08	19.52	18.50	19.90	20.29
	4H	18.21	19.56	18.63	19.95	20.36	18.71	20.06	19.13	20.45	20.87
	6H	18.67	19.93	19.11	20.34	20.78	19.16	20.42	19.60	20.83	21.27
	8H	18.80	20.02	19.25	20.43	20.88	19.27	20.48	19.71	20.89	21.35
	12H	18.87	20.04	19.32	20.46	20.92	19.31	20.48	19.76	20.90	21.36
4H	2H	16.80	18.15	17.22	18.54	18.96	17.07	18.42	17.49	18.81	19.22
	3H	18.54	19.69	18.99	20.11	20.57	18.92	20.07	19.37	20.50	20.96
	4H	19.30	20.32	19.77	20.78	21.26	19.71	20.74	20.18	21.19	21.68
	6H	19.84	20.75	20.33	21.23	21.72	20.24	21.15	20.74	21.63	22.12
	8H	20.05	20.90	20.55	21.38	21.89	20.42	21.27	20.93	21.76	22.27
	12H	20.18	20.97	20.69	21.45	22.00	20.53	21.32	21.04	21.80	22.35
8H	4H	19.61	20.46	20.11	20.95	21.45	19.98	20.83	20.48	21.31	21.82
	6H	20.29	21.00	20.81	21.50	22.05	20.63	21.35	21.16	21.85	22.39
	8H	20.62	21.24	21.16	21.79	22.32	20.94	21.56	21.48	22.10	22.64
	12H	20.82	21.35	21.37	21.89	22.45	21.10	21.63	21.65	22.17	22.73
12H	4H	19.64	20.44	20.15	20.91	21.46	20.00	20.79	20.51	21.27	21.82
	6H	20.41	21.03	20.95	21.57	22.11	20.74	21.37	21.29	21.91	22.44
	8H	20.74	21.27	21.29	21.81	22.36	21.04	21.57	21.59	22.11	22.66
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 evo 60 s2 sr2 9W

LampCAT: modulo led 15Wm 30K irc 90

Ballast type: led line driver 12Vdc

Report No:

Voltage(V): 127.7800

Test No:

Current(A): 0.1200

Number of Lamps: 1

Power (W): 13.4880

Lamp flux(lm): 895.0

PF: 0.8790

Length(mm): 585

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 475.60, Efficiency(%): 53.14% , Luminous Efficacy(lm/W): 35.26

Central intensity(cd): 165.659, Maximum intensity(cd): 165.659

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

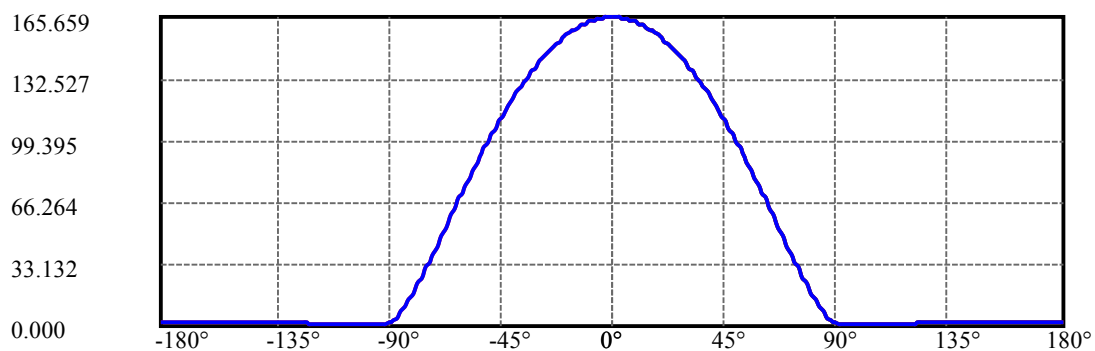
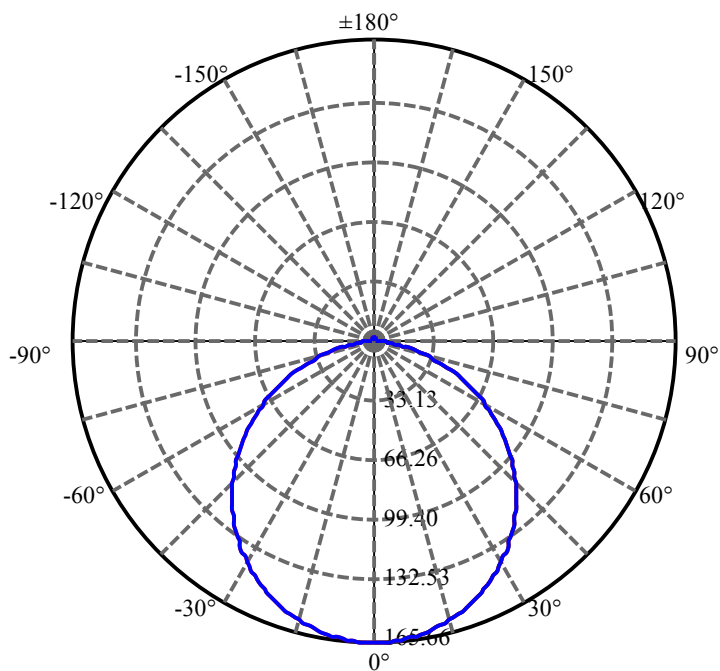
Beam angle of C0 plane : 111.34

Average BeamAngle(IEC 61341): 111.34

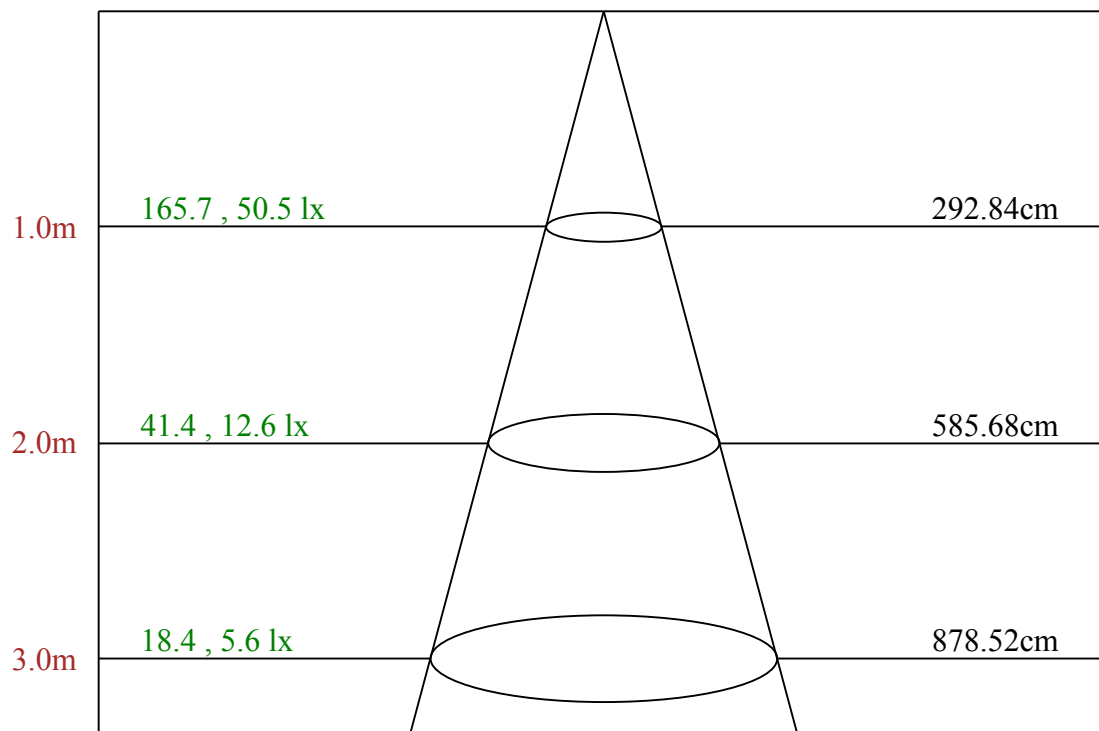
Equipment: equipamento lumini
Temperature(°C): 25.0

Date: 04/09/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90

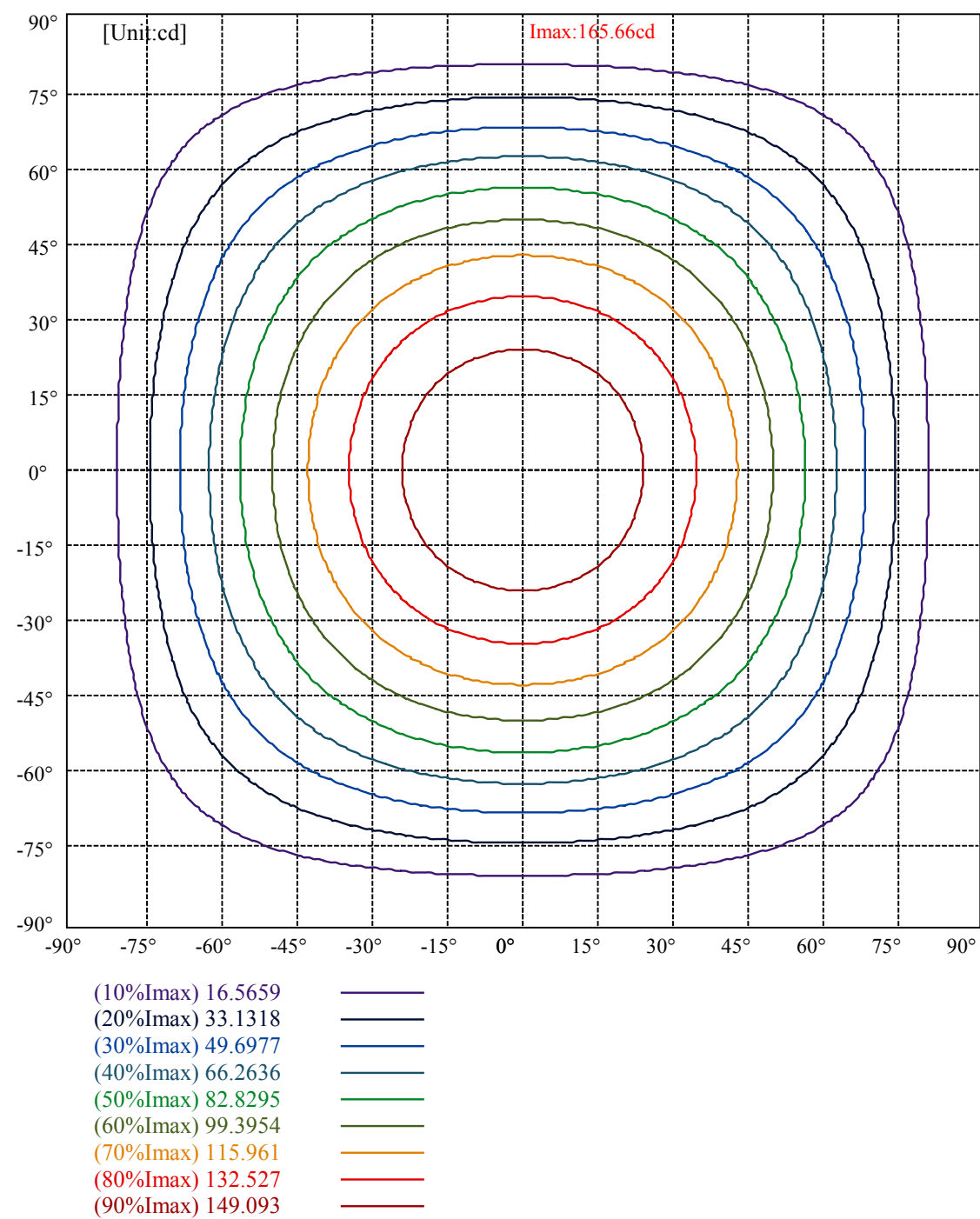


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 111.34



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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	16608	16235	15768	15229	14377	13323	12008	10131	7324
C45	16608	16235	15768	15229	14377	13323	12008	10131	7324
C90	16608	16235	15768	15229	14377	13323	12008	10131	7324

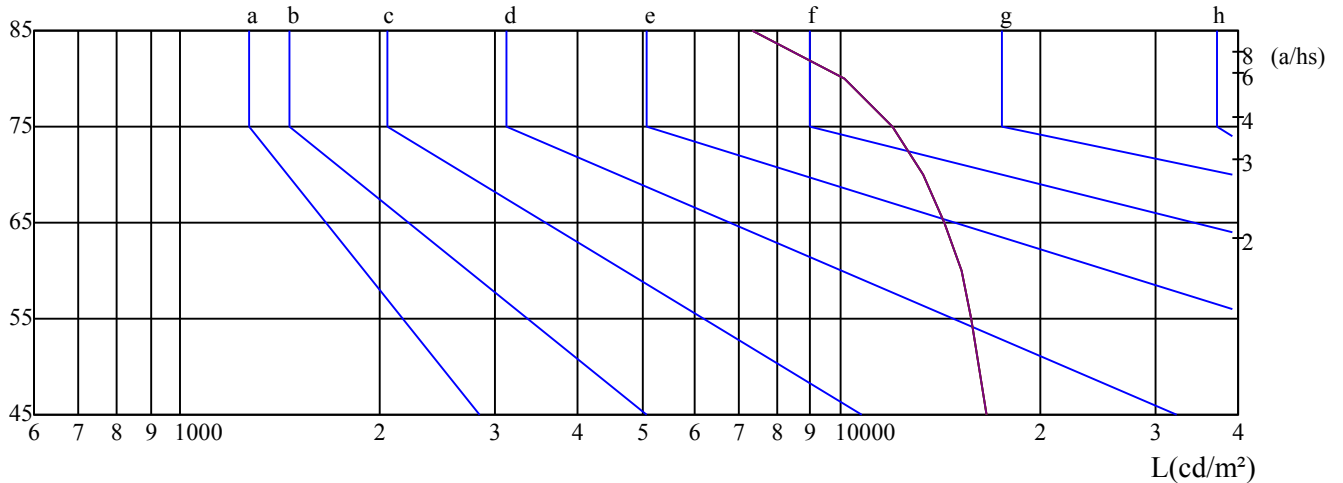
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
14377	14377	14377	12008	12008	12008	7324	7324	7324

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: 04/09/2025
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	21.96	23.54	22.35	23.90	24.27	22.41	23.99	22.80	24.35	24.72
	3H	23.54	24.97	23.95	25.35	25.75	24.16	25.59	24.57	25.98	26.37
	4H	24.12	25.46	24.54	25.86	26.27	24.82	26.17	25.25	26.56	26.98
	6H	24.57	25.82	25.00	26.23	26.67	25.31	26.56	25.75	26.97	27.42
	8H	24.68	25.89	25.12	26.31	26.76	25.44	26.65	25.88	27.06	27.51
	12H	24.73	25.89	25.18	26.32	26.77	25.50	26.66	25.95	27.09	27.55
4H	2H	22.76	24.10	23.18	24.50	24.91	23.10	24.45	23.53	24.85	25.26
	3H	24.49	25.63	24.93	26.06	26.52	25.00	26.15	25.45	26.57	27.03
	4H	25.24	26.25	25.70	26.71	27.19	25.83	26.85	26.30	27.30	27.79
	6H	25.76	26.67	26.25	27.14	27.63	26.40	27.31	26.89	27.78	28.27
	8H	25.95	26.79	26.45	27.28	27.79	26.60	27.45	27.11	27.93	28.44
	12H	26.06	26.85	26.57	27.32	27.87	26.73	27.52	27.24	28.00	28.55
8H	4H	25.57	26.42	26.07	26.90	27.41	26.09	26.94	26.60	27.42	27.93
	6H	26.23	26.94	26.75	27.44	27.98	26.79	27.50	27.31	28.00	28.54
	8H	26.54	27.16	27.09	27.70	28.24	27.12	27.74	27.67	28.28	28.82
	12H	26.72	27.24	27.27	27.79	28.34	27.32	27.85	27.87	28.39	28.94
12H	4H	25.60	26.39	26.11	26.87	27.42	26.12	26.91	26.63	27.38	27.93
	6H	26.36	26.98	26.90	27.52	28.05	26.90	27.52	27.44	28.06	28.59
	8H	26.68	27.20	27.23	27.74	28.30	27.23	27.76	27.78	28.30	28.85
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		7.5					7.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 up s1 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: $C=0.0$ $\gamma=0.0$

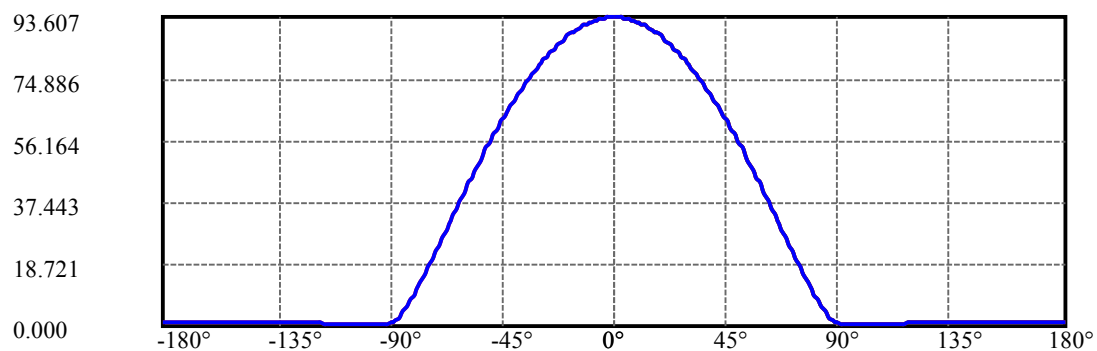
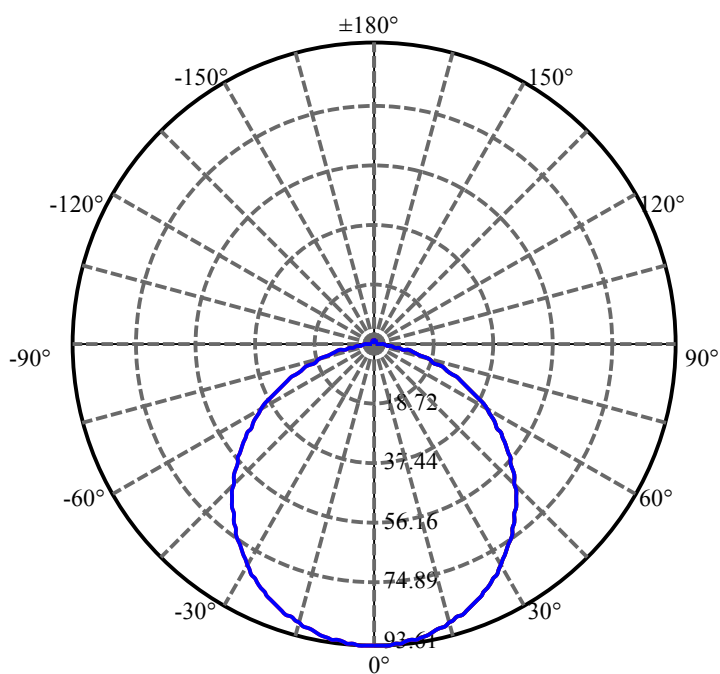
Beam angle of C0 plane : 111.47

Average BeamAngle(IEC 61341): 111.47

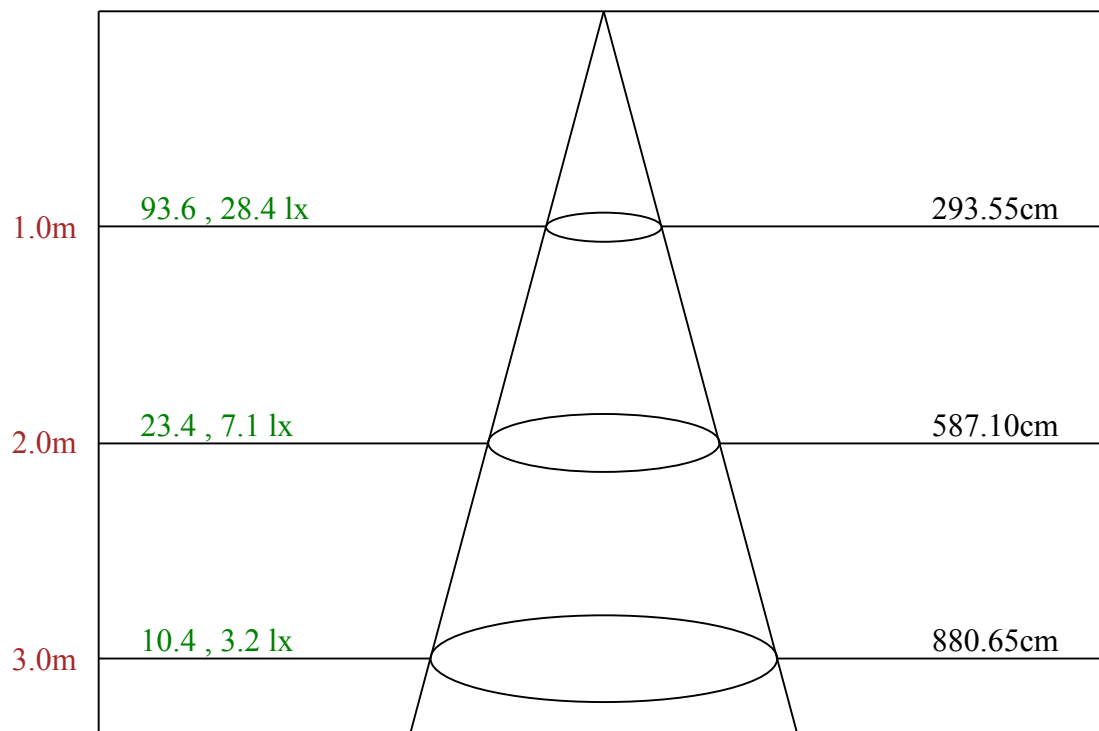
Equipment: equipamento lumini
Temperature(°C): 25.0

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

Operator: 01
Distance(m): 6.90

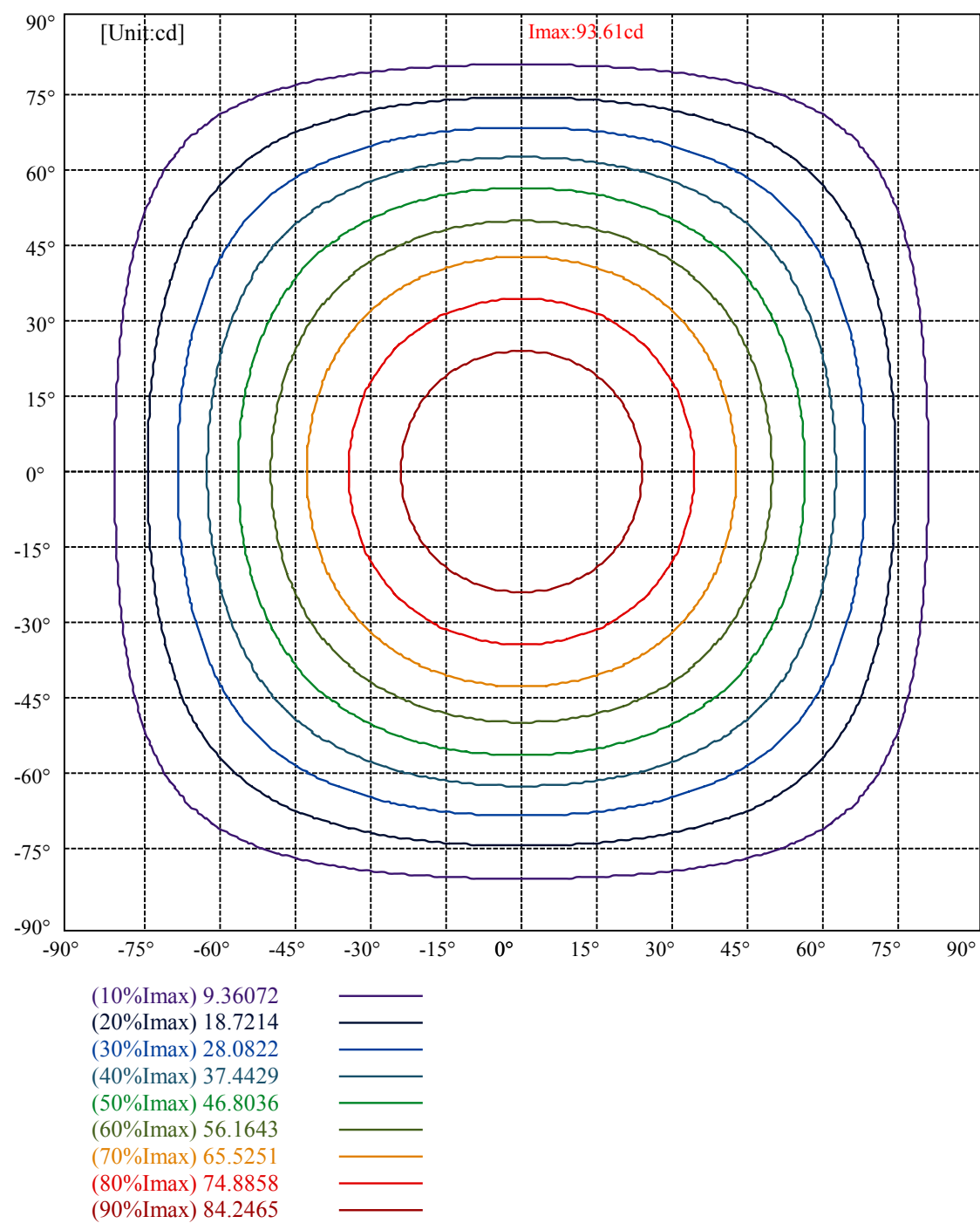


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 111.47



Luminance Table

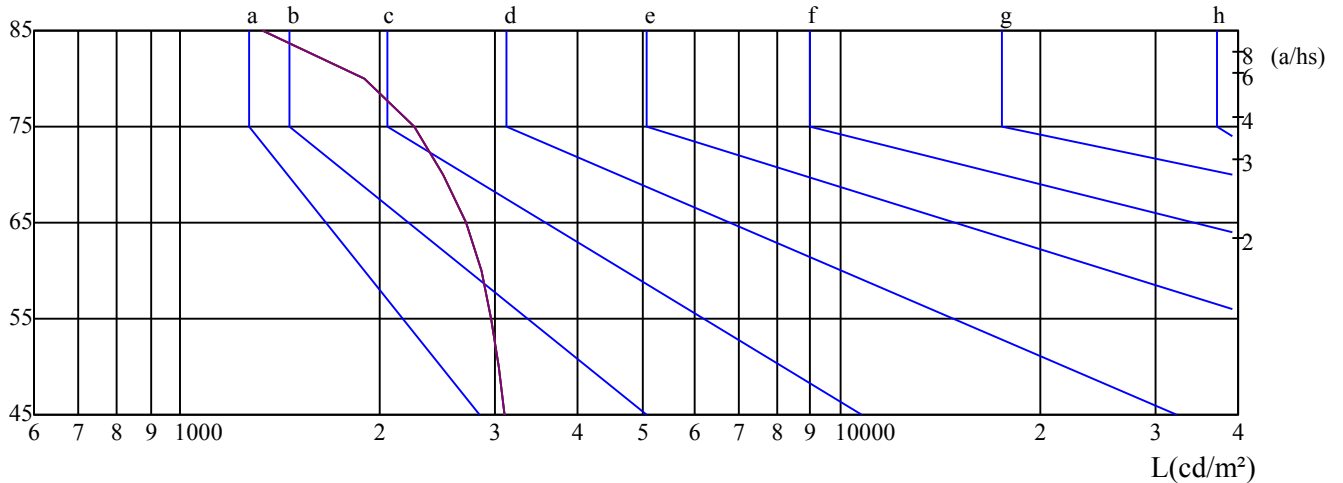
γ	45	50	55	60	65	70	75	80	85
C0	3098	3033	2956	2852	2699	2505	2261	1904	1330
C45	3098	3033	2956	2852	2699	2505	2261	1904	1330
C90	3098	3033	2956	2852	2699	2505	2261	1904	1330

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 s1 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: $C=0.0$ $\gamma=0.0$

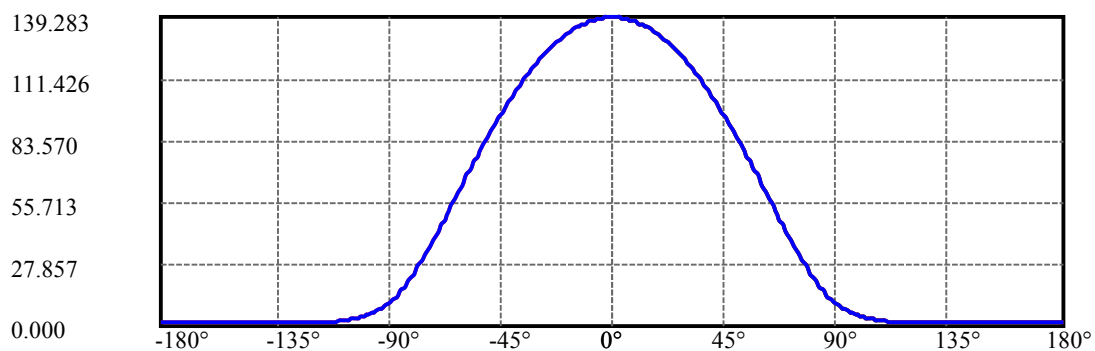
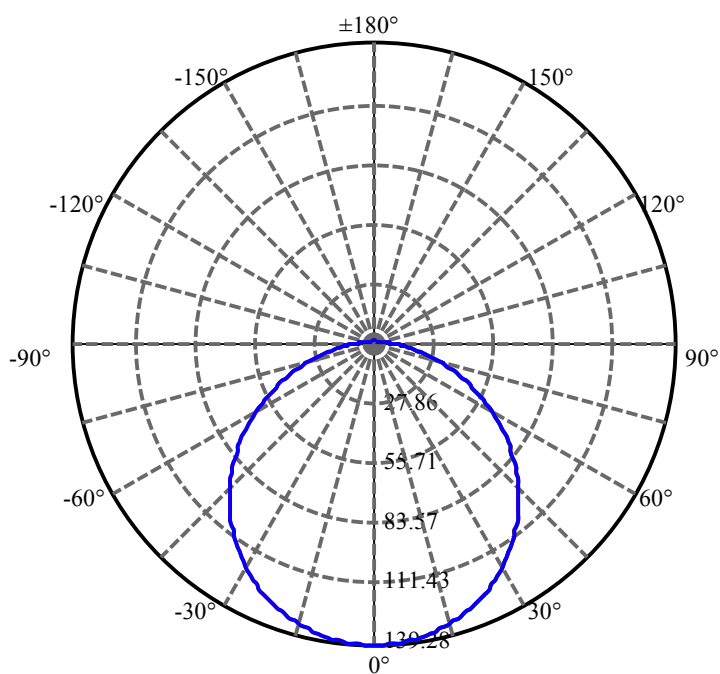
Beam angle of C0 plane : 114.36

Average BeamAngle(IEC 61341): 114.36

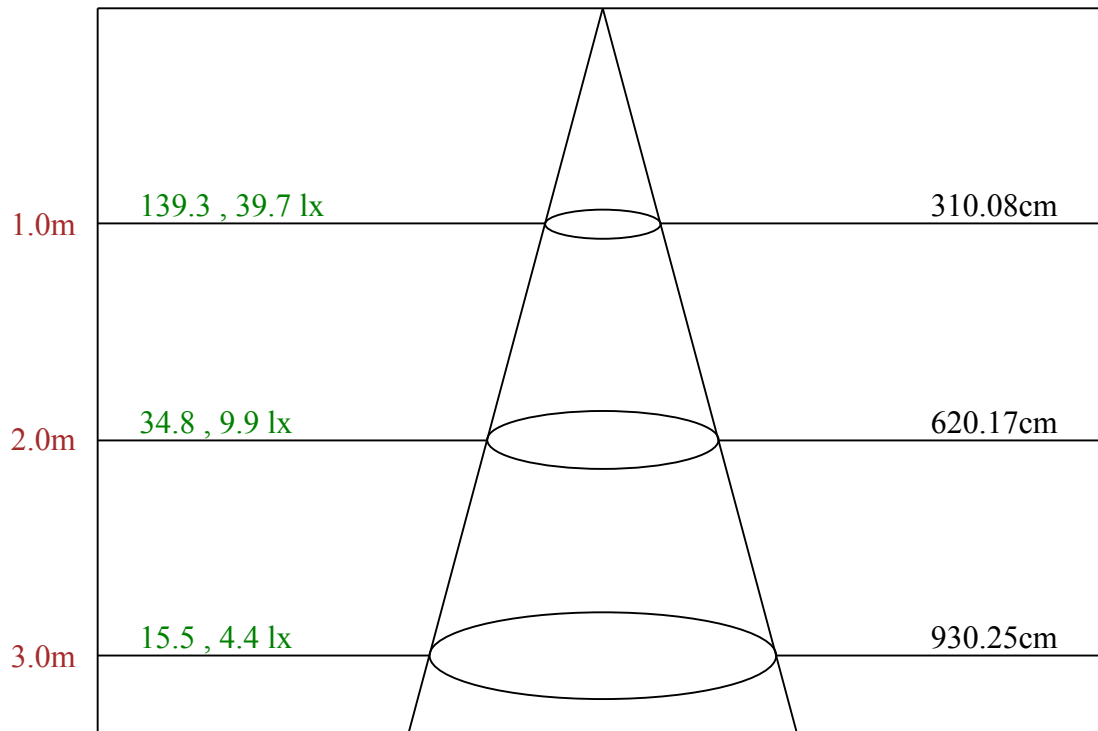
Equipment: equipamento lumini
Temperature(°C): 26.2

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

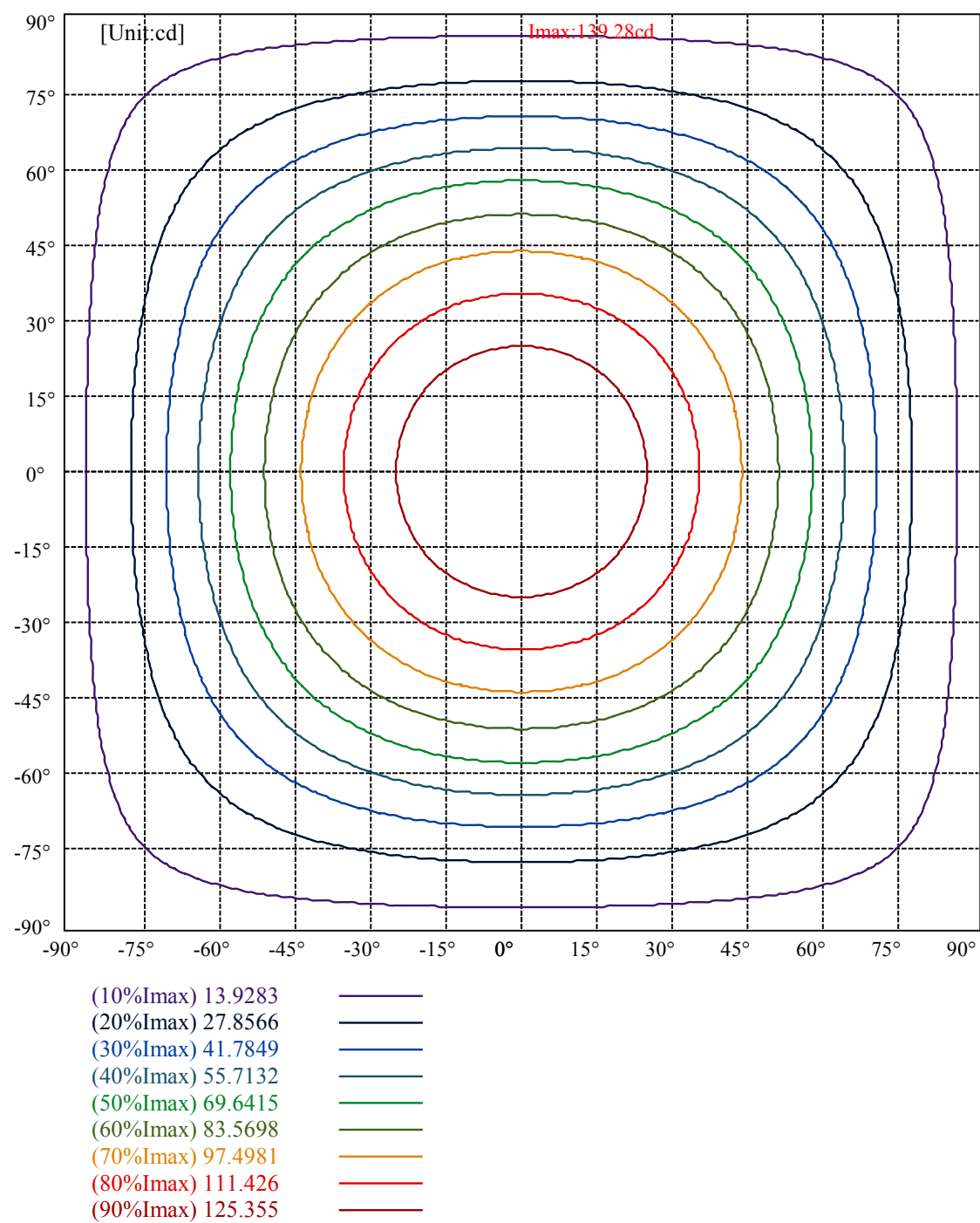
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 114.36



Luminance Table

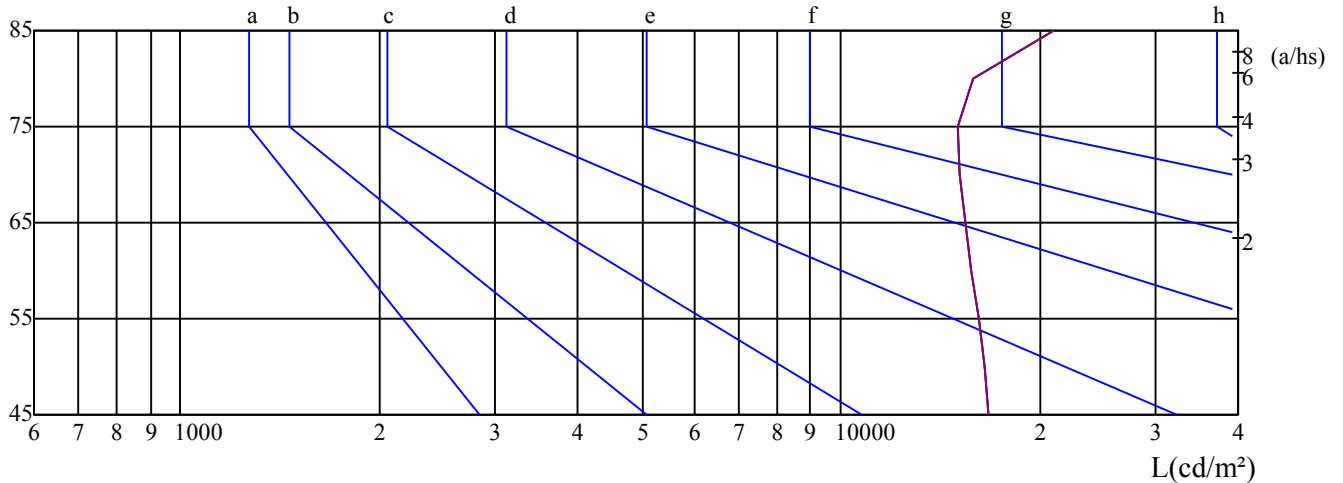
γ	45	50	55	60	65	70	75	80	85
C0	16714	16484	16168	15801	15404	15134	14995	15885	21057
C45	16714	16484	16168	15801	15404	15134	14995	15885	21057
C90	16714	16484	16168	15801	15404	15134	14995	15885	21057

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 evo 60 s2 sr2 15W

LampCAT: modulo led 28Wm 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 221.2200

Test No:

Current(A): 0.0990

Number of Lamps: 1

Power (W): 20.6970

Lamp flux(lm): 2098.0

PF: 0.9450

Length(mm): 585

Width(mm): 16

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1288.99, Efficiency(%): 61.44% , Luminous Efficacy(lm/W): 62.28

Central intensity(cd): 448.105, Maximum intensity(cd): 448.105

Angle of maximum intensity: C=0.0 γ =0.0

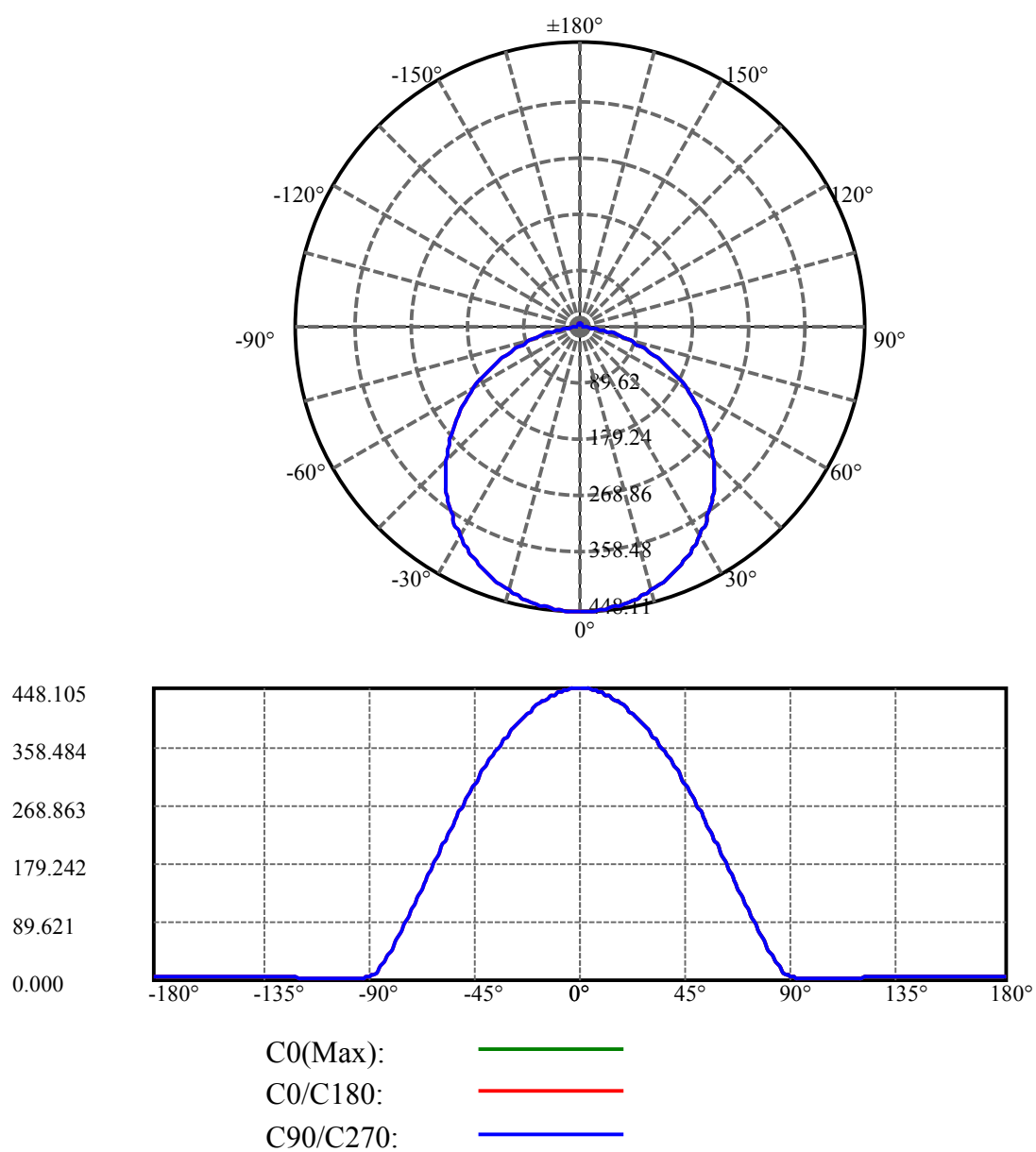
Beam angle of C0 plane : 111.50

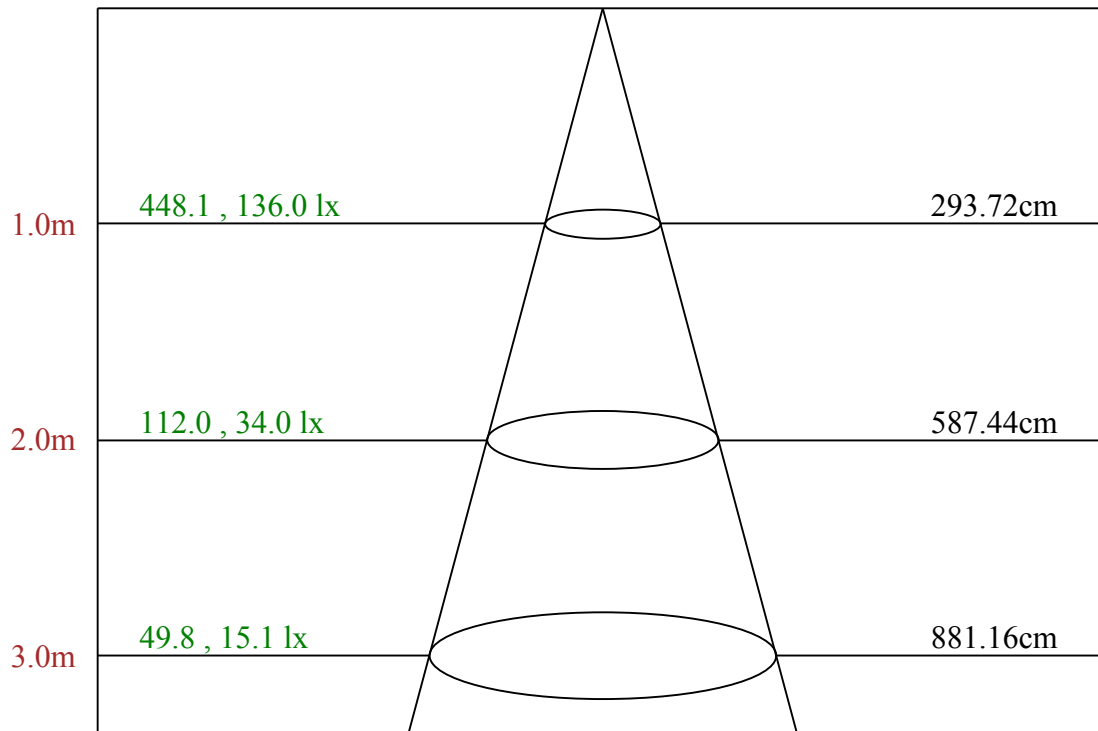
Aveage BeamAngle(IEC 61341):111.50

Equipment: equipamento lumini
Temperature(°C): 25.0

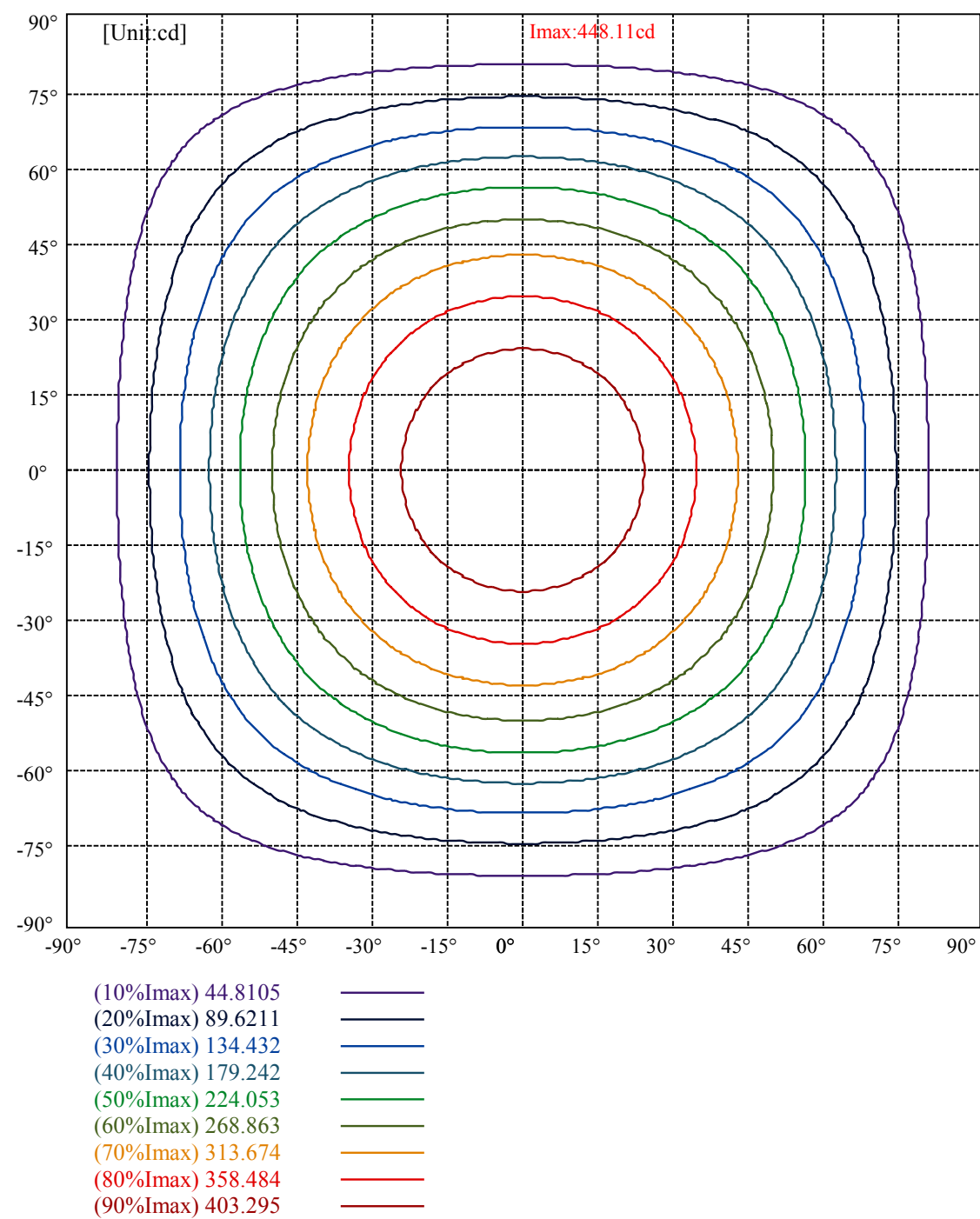
Date: 03/09/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 111.50



Luminance Table

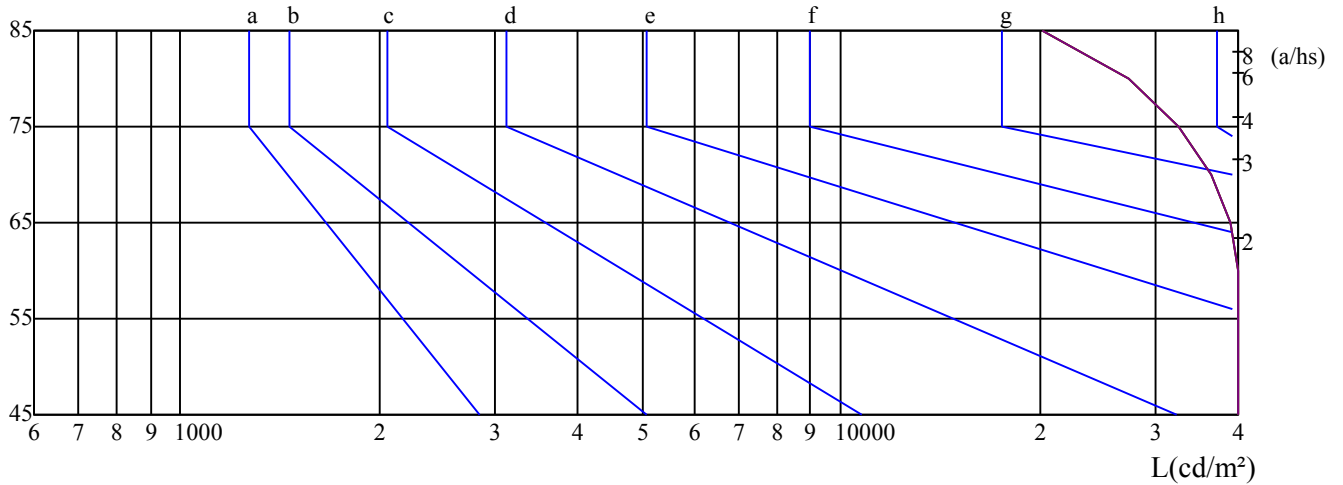
γ	45	50	55	60	65	70	75	80	85
C0	44956	43984	42744	41212	38993	36319	32526	27315	20208
C45	44956	43984	42744	41212	38993	36319	32526	27315	20208
C90	44956	43984	42744	41212	38993	36319	32526	27315	20208

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
38993	38993	38993	32526	32526	32526	20208	20208	20208

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	25.78	27.37	26.18	27.73	28.09	26.08	27.66	26.47	28.02	28.39
	3H	27.47	28.90	27.88	29.28	29.68	27.87	29.31	28.29	29.69	30.08
	4H	28.08	29.43	28.51	29.83	30.24	28.56	29.91	28.99	30.31	30.72
	6H	28.57	29.83	29.01	30.23	30.68	29.10	30.35	29.54	30.76	31.21
	8H	28.70	29.91	29.15	30.33	30.78	29.25	30.46	29.69	30.88	31.33
	12H	28.77	29.93	29.22	30.36	30.82	29.33	30.50	29.78	30.92	31.38
4H	2H	26.60	27.94	27.02	28.34	28.75	26.82	28.17	27.24	28.56	28.97
	3H	28.44	29.59	28.89	30.01	30.47	28.77	29.92	29.22	30.34	30.80
	4H	29.22	30.24	29.69	30.70	31.18	29.63	30.65	30.10	31.11	31.59
	6H	29.79	30.70	30.29	31.18	31.67	30.25	31.16	30.75	31.64	32.13
	8H	30.00	30.85	30.50	31.33	31.84	30.48	31.33	30.99	31.81	32.32
	12H	30.13	30.92	30.64	31.40	31.95	30.63	31.42	31.14	31.90	32.45
8H	4H	29.57	30.42	30.08	30.90	31.41	29.93	30.78	30.44	31.26	31.77
	6H	30.29	31.00	30.81	31.50	32.05	30.69	31.40	31.22	31.91	32.45
	8H	30.63	31.25	31.18	31.80	32.33	31.06	31.68	31.60	32.22	32.76
	12H	30.83	31.36	31.39	31.90	32.46	31.28	31.81	31.84	32.35	32.91
12H	4H	29.62	30.41	30.13	30.88	31.43	29.97	30.75	30.47	31.23	31.78
	6H	30.43	31.05	30.97	31.59	32.13	30.82	31.44	31.36	31.98	32.52
	8H	30.77	31.30	31.33	31.84	32.40	31.18	31.71	31.73	32.25	32.80
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		11.0					11.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea evo 60 s2 sr2 18W

LampCAT: modulo led 30Wm 30K irc 90

Ballast type: led line driver 12V

Report No:

Voltage(V): 127.7400

Test No:

Current(A): 0.1970

Number of Lamps: 1

Power (W): 24.8620

Lamp flux(lm): 1790.0

PF: 0.9880

Length(mm): 585

Width(mm): 56

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 925.12, Efficiency(%): 51.68% , Luminous Efficacy(lm/W): 37.21

Central intensity(cd): 323.141, Maximum intensity(cd): 323.141

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

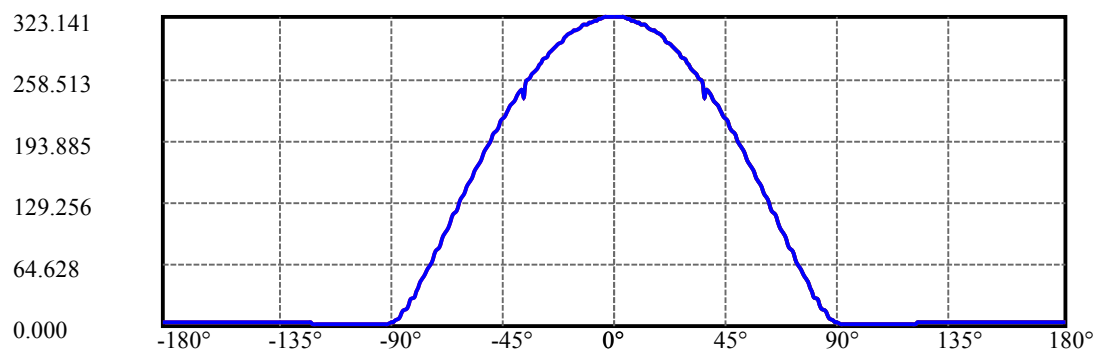
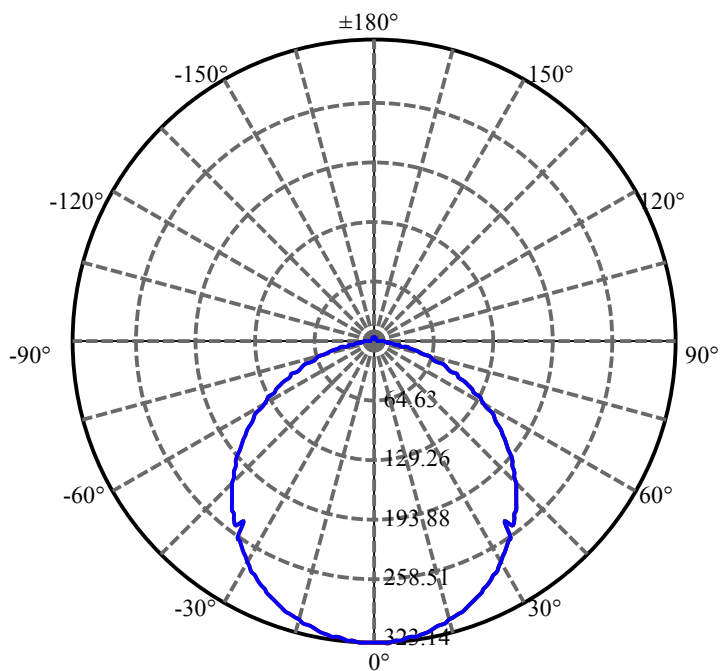
Beam angle of C0 plane : 111.39

Average BeamAngle(IEC 61341): 111.39

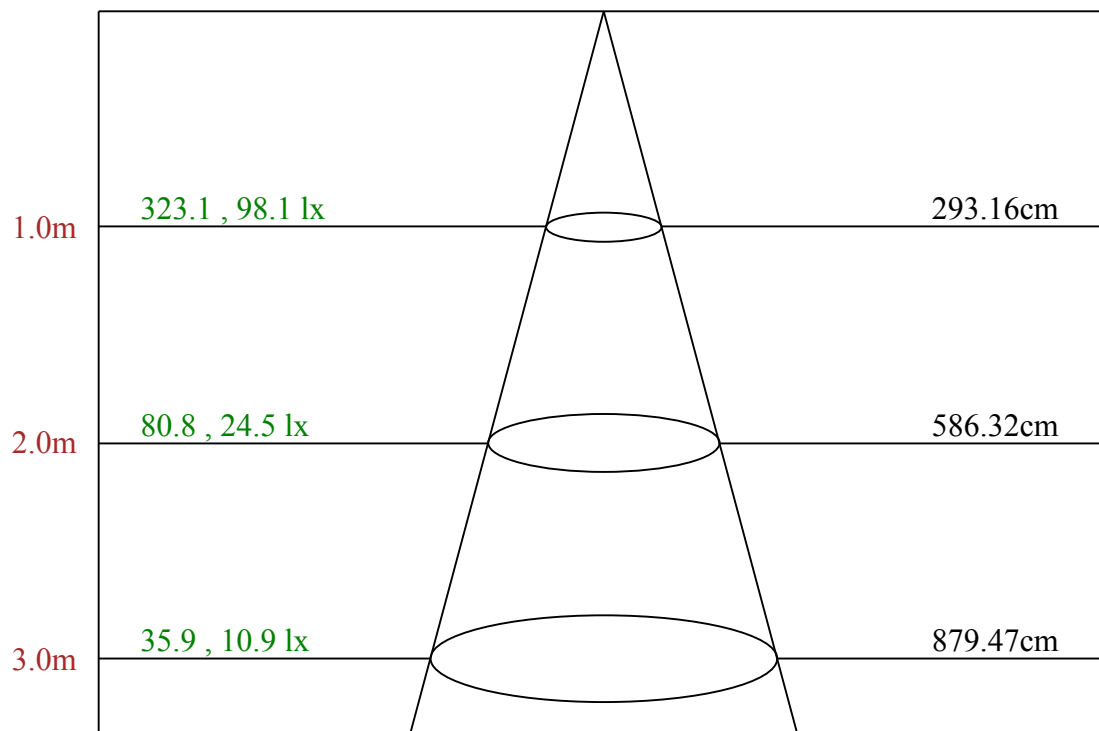
Equipment: equipamento lumini
Temperature(°C): 25.0

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

Operator: 01
Distance(m): 6.90

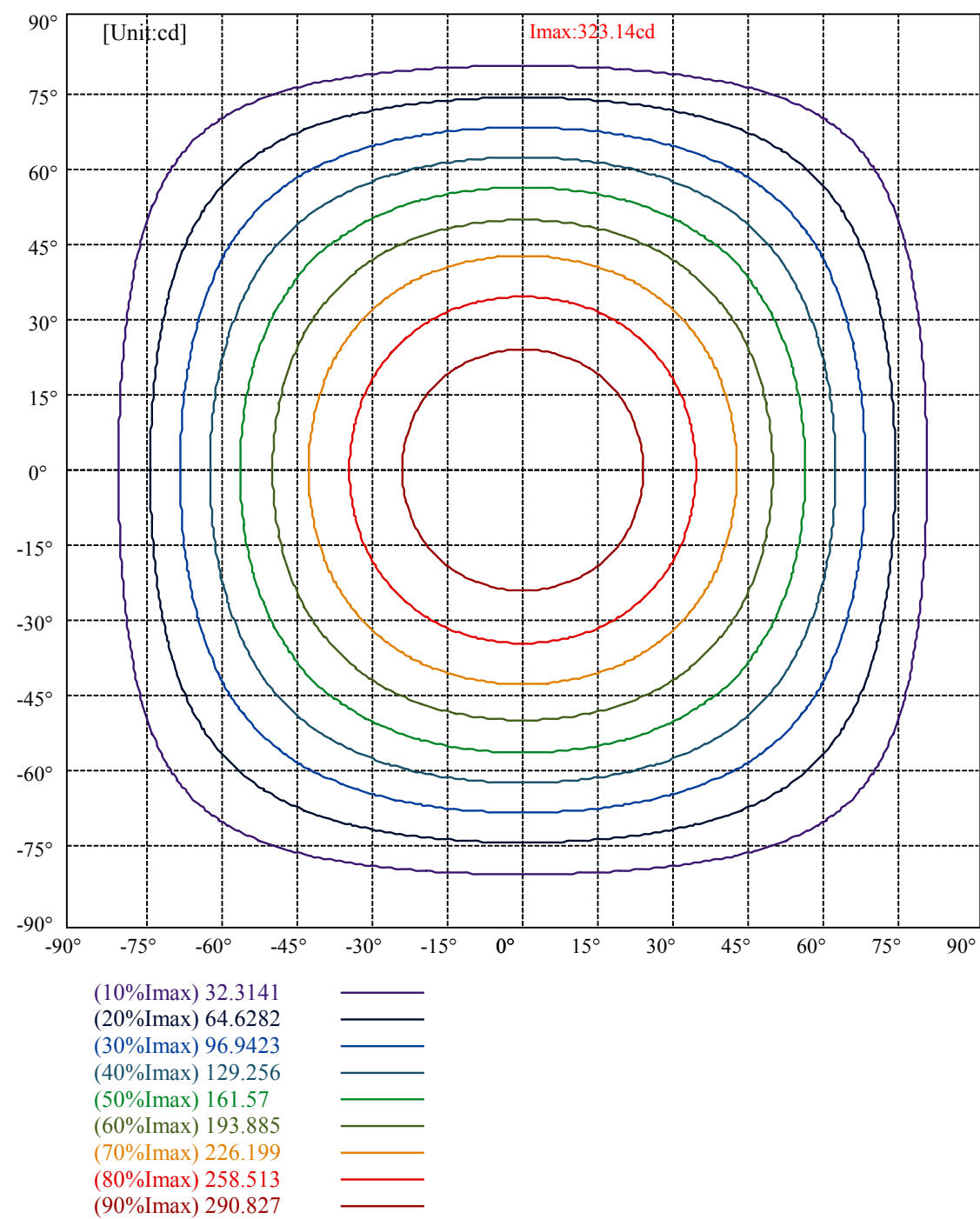


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 111.39



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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	11249	11002	10712	10289	9724	9013	8038	6359	4781
C45	11249	11002	10712	10289	9724	9013	8038	6359	4781
C90	11249	11002	10712	10289	9724	9013	8038	6359	4781

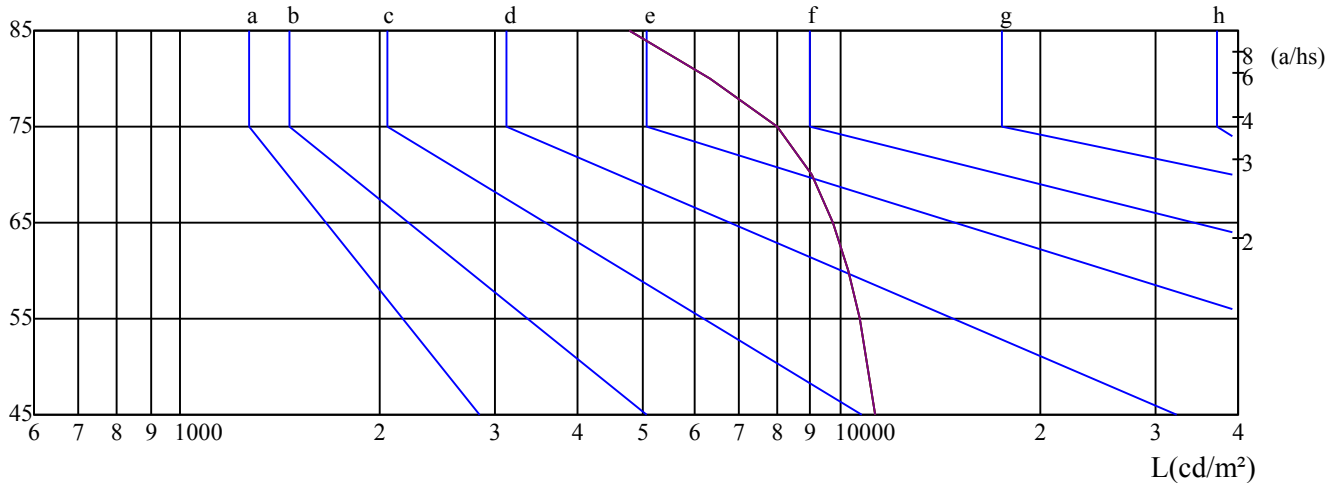
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
9724	9724	9724	8038	8038	8038	4781	4781	4781

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	20.81	22.39	21.20	22.75	23.12	20.97	22.55	21.36	22.91	23.28
	3H	22.46	23.89	22.87	24.27	24.66	22.66	24.10	23.08	24.48	24.87
	4H	23.07	24.42	23.50	24.81	25.22	23.28	24.62	23.70	25.02	25.43
	6H	23.55	24.80	23.99	25.21	25.66	23.71	24.96	24.15	25.37	25.81
	8H	23.68	24.89	24.12	25.31	25.76	23.81	25.01	24.25	25.43	25.88
	12H	23.74	24.90	24.19	25.33	25.79	23.84	25.00	24.29	25.43	25.89
4H	2H	21.58	22.93	22.00	23.32	23.73	21.70	23.05	22.13	23.44	23.86
	3H	23.38	24.53	23.83	24.95	25.41	23.55	24.70	24.00	25.12	25.58
	4H	24.16	25.18	24.63	25.64	26.12	24.33	25.35	24.80	25.80	26.29
	6H	24.72	25.63	25.21	26.11	26.60	24.83	25.74	25.33	26.22	26.71
	8H	24.92	25.77	25.43	26.25	26.76	25.00	25.85	25.51	26.33	26.84
	12H	25.05	25.84	25.56	26.31	26.86	25.10	25.88	25.60	26.36	26.91
8H	4H	24.47	25.32	24.98	25.80	26.31	24.62	25.47	25.12	25.95	26.46
	6H	25.17	25.87	25.69	26.38	26.92	25.25	25.96	25.77	26.46	27.01
	8H	25.50	26.11	26.04	26.66	27.19	25.54	26.16	26.09	26.70	27.24
	12H	25.68	26.21	26.24	26.75	27.31	25.69	26.22	26.25	26.76	27.31
12H	4H	24.50	25.29	25.01	25.77	26.32	24.65	25.43	25.16	25.91	26.46
	6H	25.28	25.90	25.83	26.45	26.98	25.37	25.99	25.91	26.53	27.07
	8H	25.61	26.13	26.16	26.68	27.23	25.66	26.18	26.21	26.72	27.28
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		6.2					6.2				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini linea diffuse 50 up s1 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

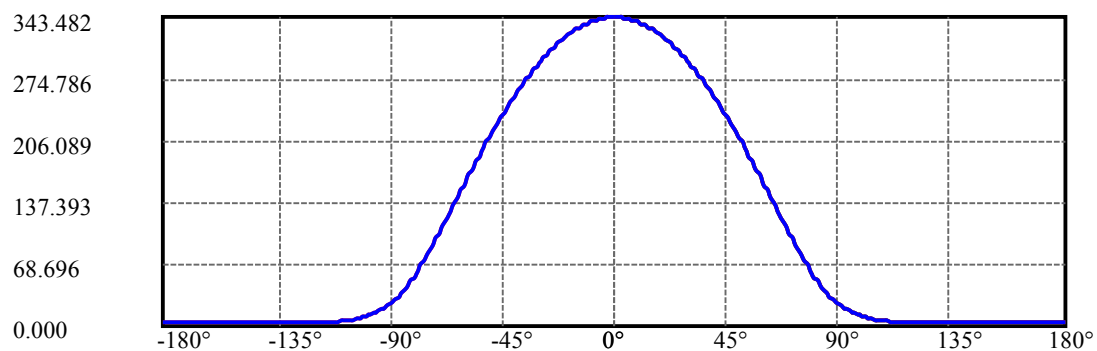
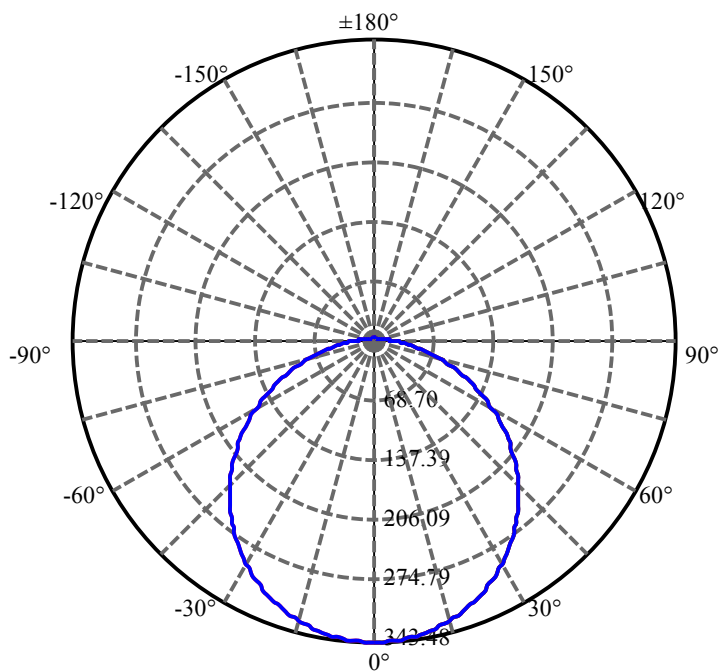
Beam angle of C0 plane : 114.37

Aveage BeamAngle(IEC 61341):114.37

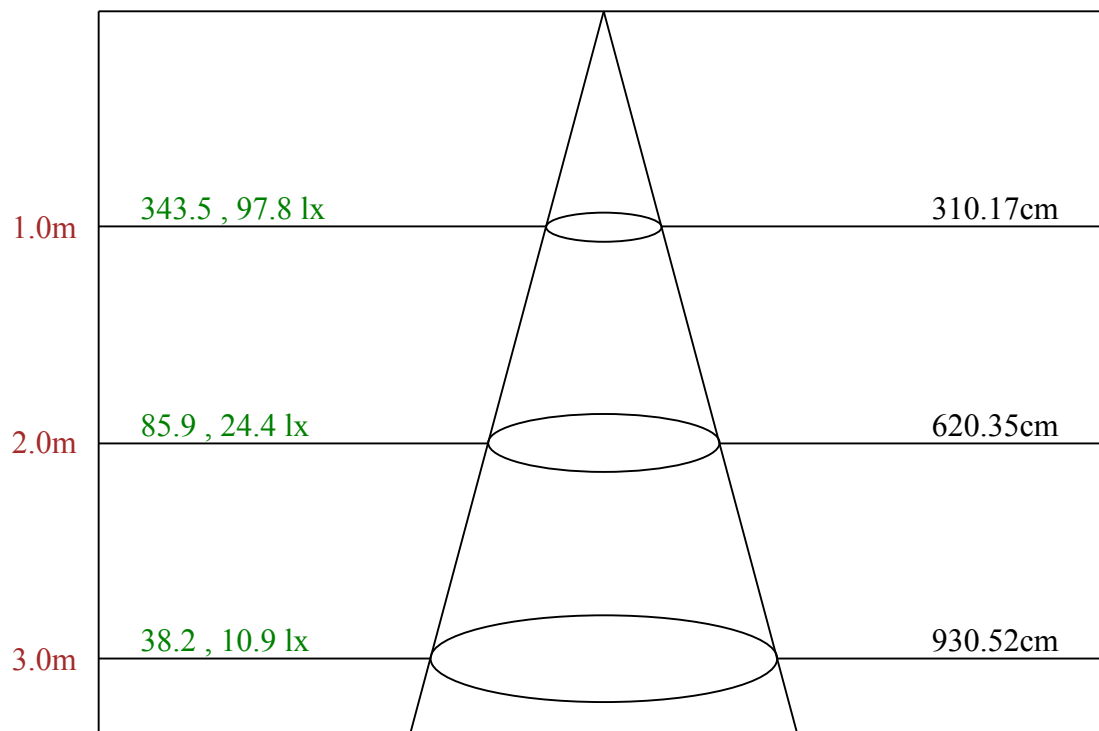
Equipment: equipamento lumini
Temperature(°C): 25.5

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

Operator: 01
Distance(m): 6.90

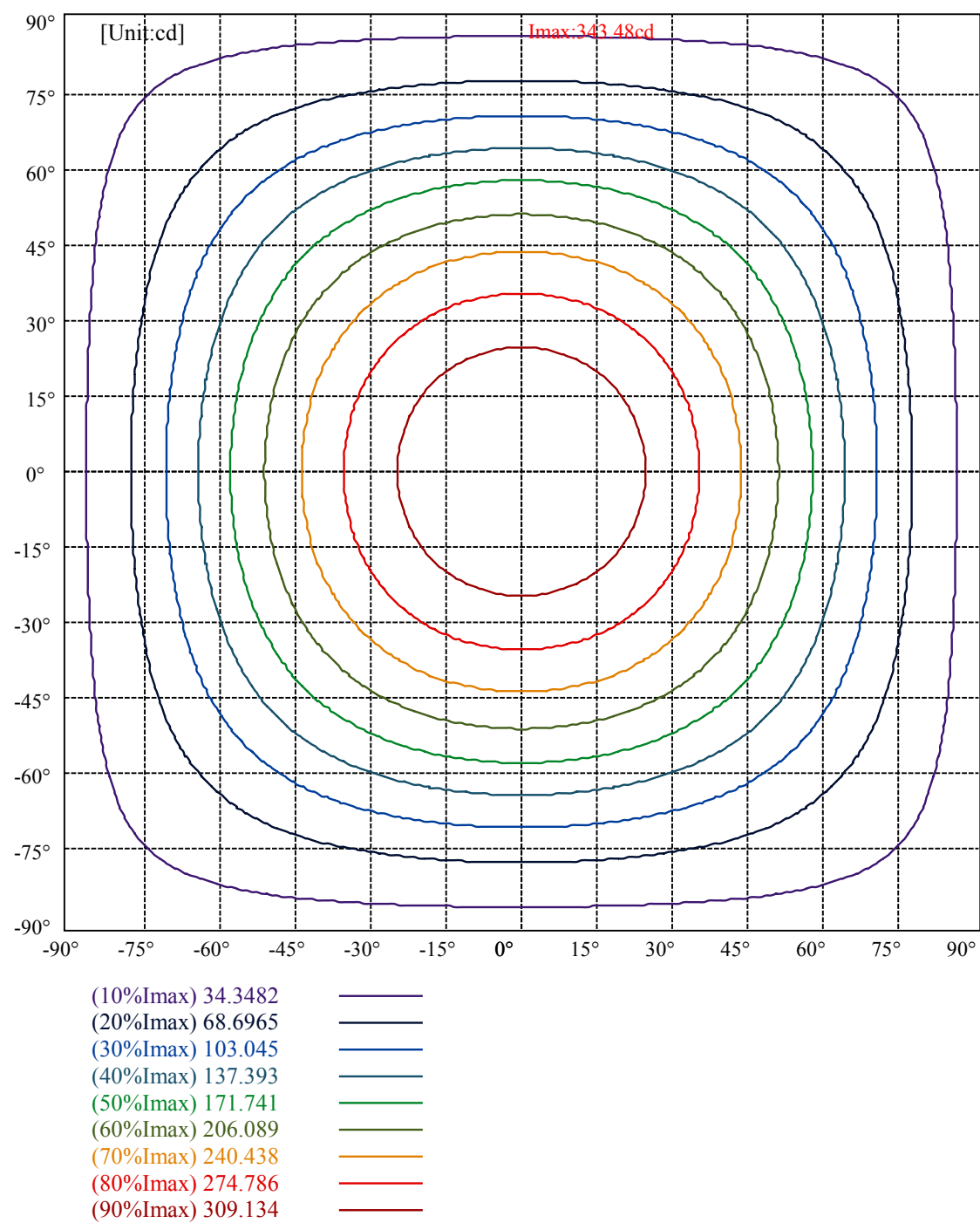


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 114.37



Luminance Table

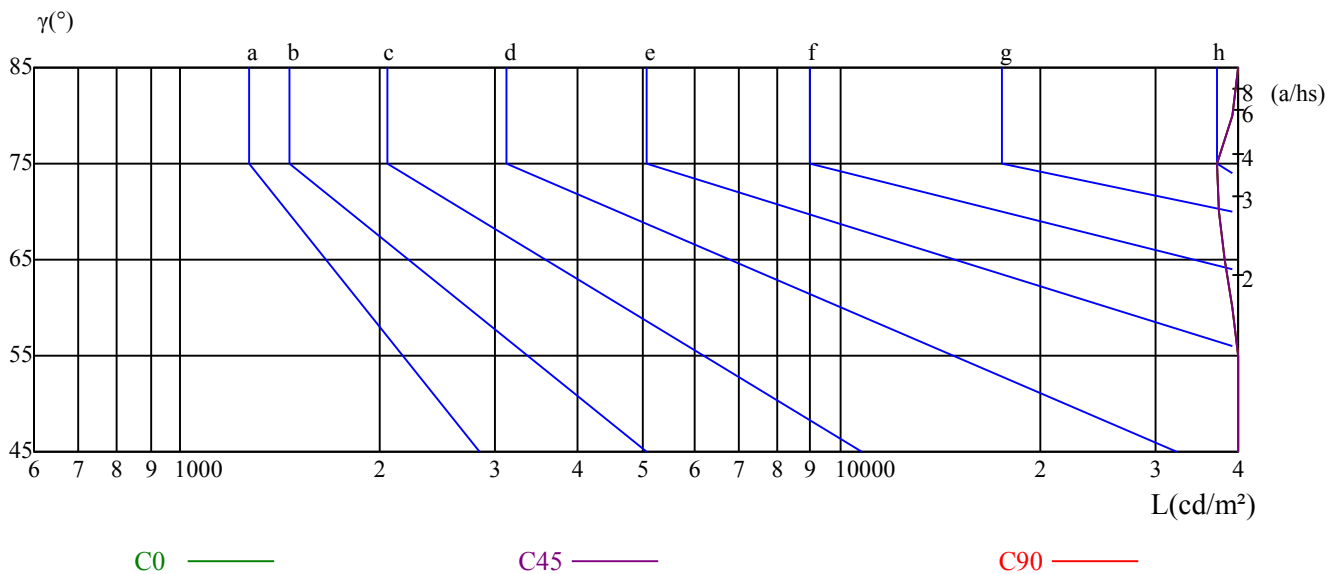
γ	45	50	55	60	65	70	75	80	85
C0	41164	40560	39917	39173	38169	37380	37158	39074	51571
C45	41164	40560	39917	39173	38169	37380	37158	39074	51571
C90	41164	40560	39917	39173	38169	37380	37158	39074	51571

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 s1 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: $C=0.0$ $\gamma=0.0$

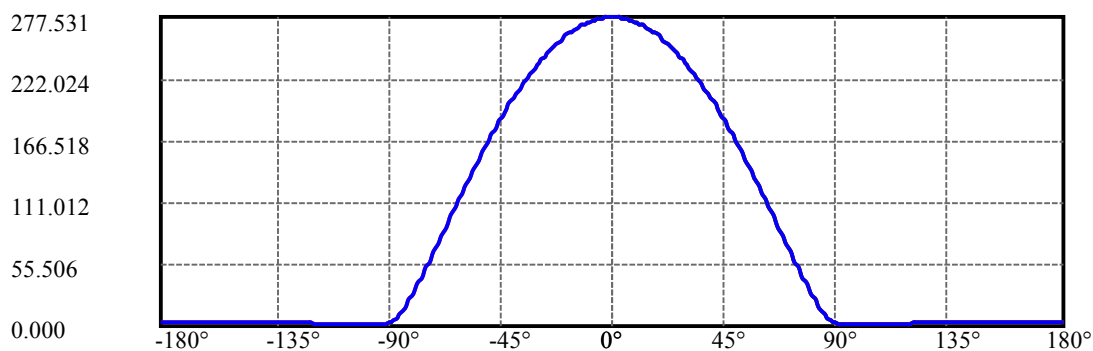
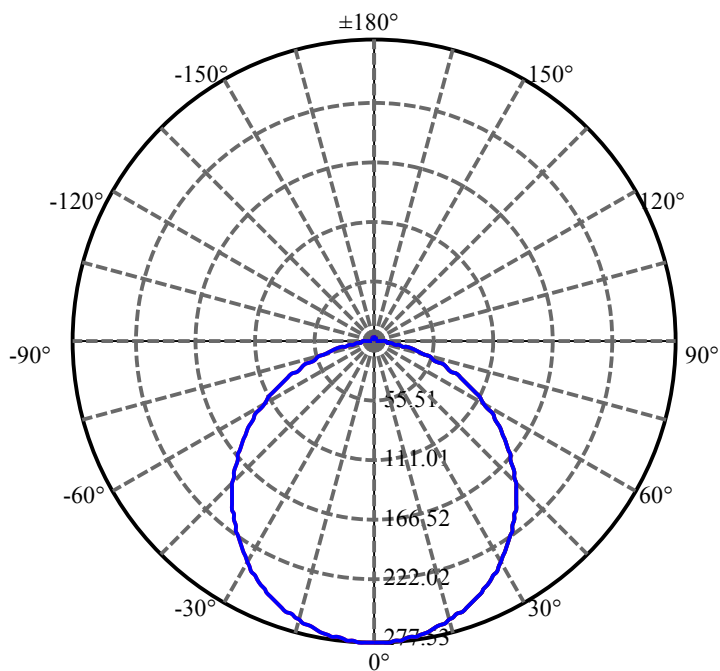
Beam angle of C0 plane : 111.48

Average BeamAngle(IEC 61341): 111.48

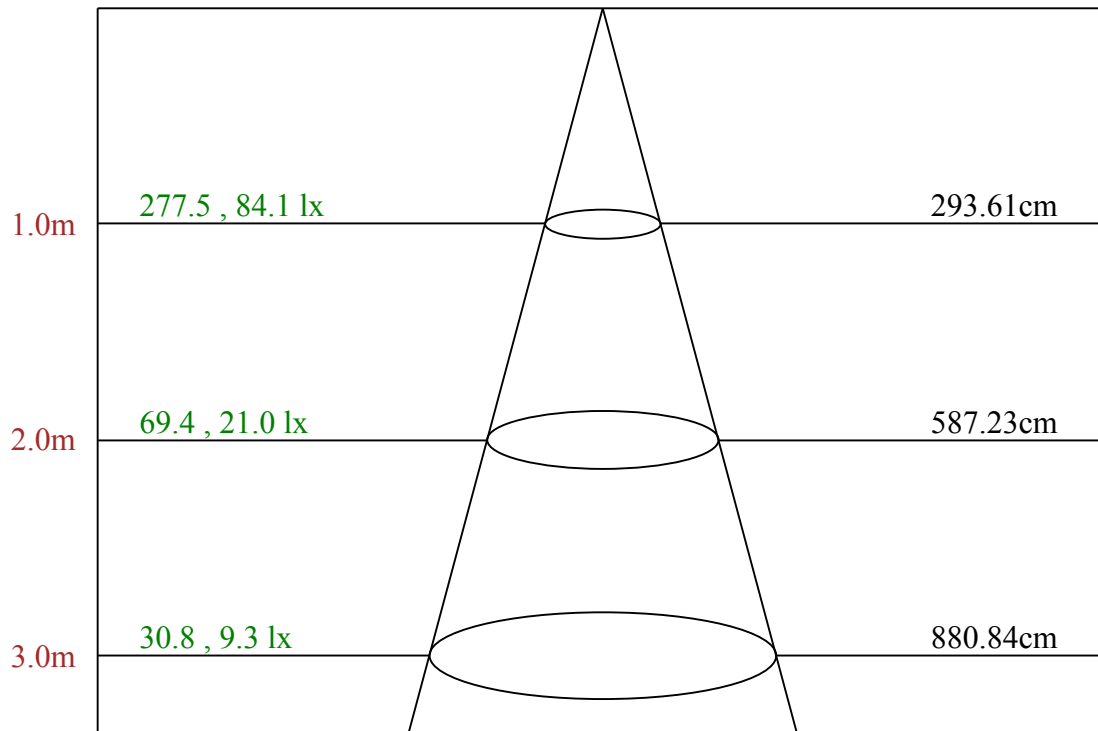
Equipment: equipamento lumini
Temperature(°C): 25.0

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

Operator: 01
Distance(m): 6.90

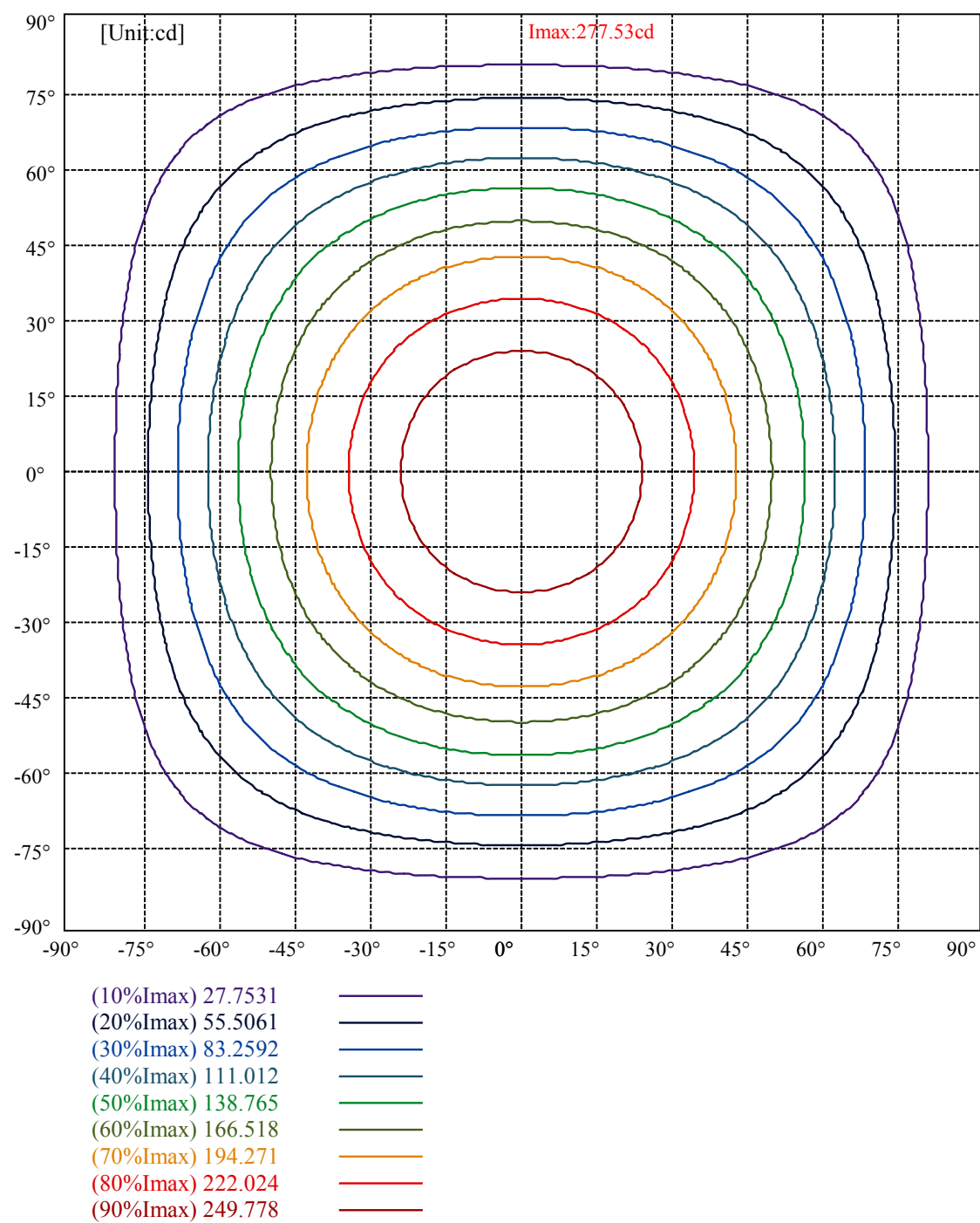


C0(Max): —————
 C0/C180: —————
 C90/C270: —————



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

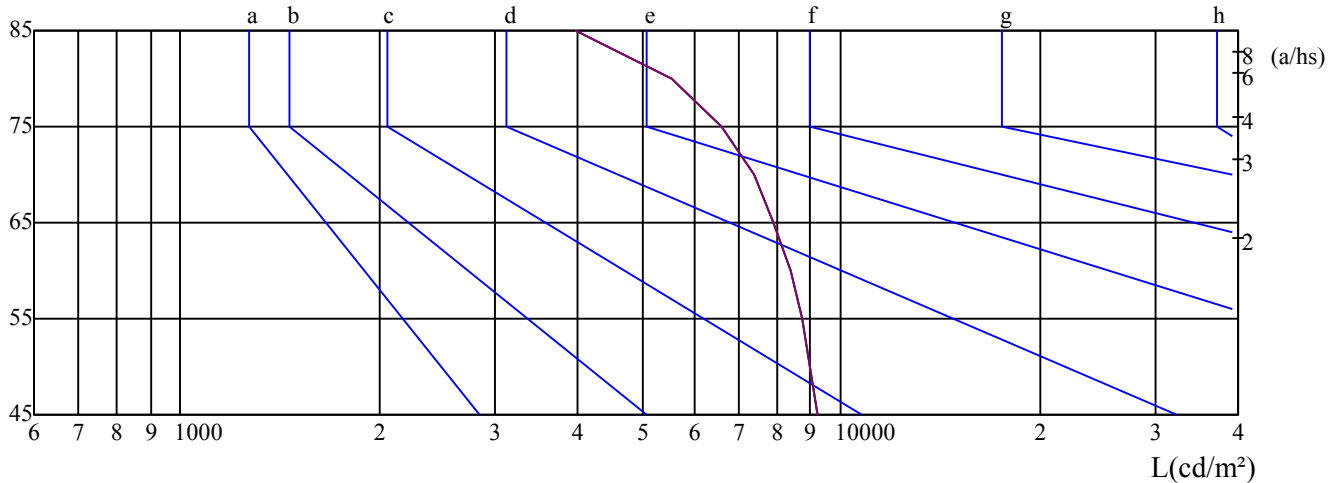
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
7933	7933	7933	6588	6588	6588	3960	3960	3960

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%

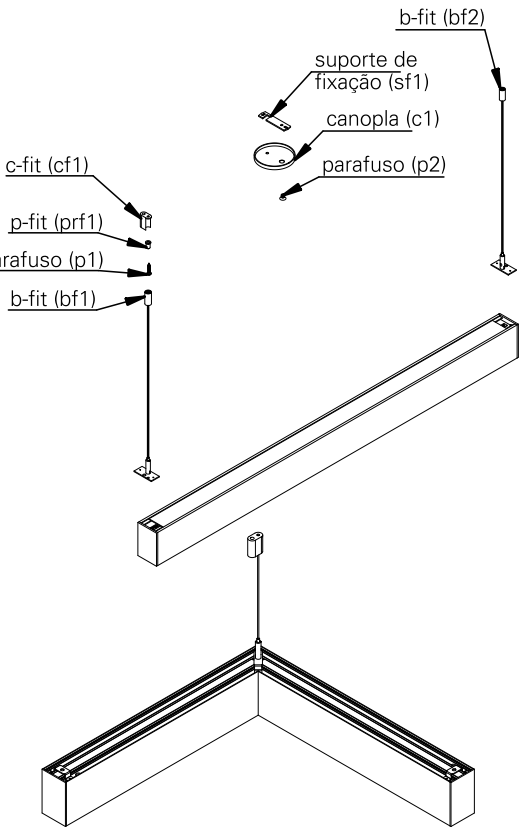
Operator: 01
Distance(m): 6.90

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 s série 2
mini linea evo s série 2
mini linea diffuse junção 90 s série 2



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.

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

informações importantes

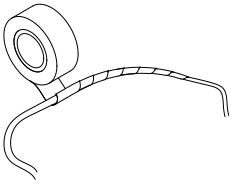
para a instalação, lave as mãos e seque as mãos, use luvas descartáveis.

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

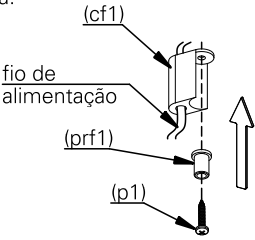
retire a luminária da embalagem com cuidado e apoie-o em uma superfície limpa e seca.

instalação passo a passo

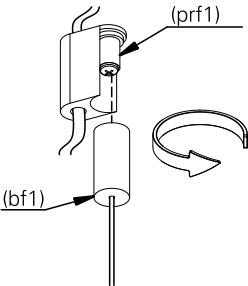
1. escolha o lado onde o fio de alimentação irá passar e faça a ligação elétrica. isole os fios separadamente com fita isolante. repita a operação envolvendo o conjunto dos fios, vedando completamente a emenda.



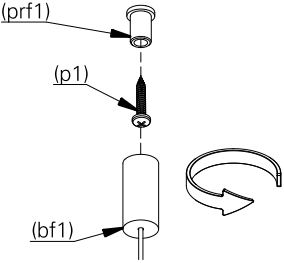
2. utilize o parafuso (p1) para fixar o p-fit (prf1) e o c-fit (cf1) no forro conforme a imagem acima. caso for utilizar a canopla, pule as etapas 2 e 3. instale o processo da etapa 4 nas duas pontas da luminária.



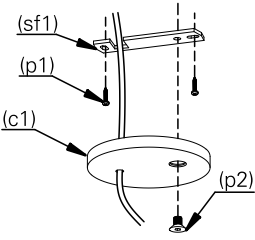
3. rosqueie o b-fit (bf1) no p-fit (prf1).



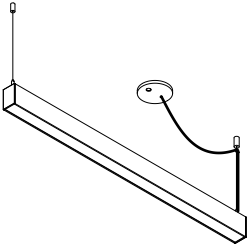
4. nas conexões sem alimentação, utilize o parafuso (p1) para fixar o p-fit (prf1) no forro e em seguida rosqueie o b-fit (bf1).



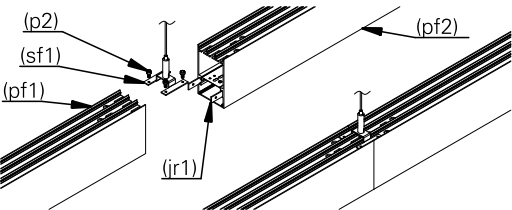
5. na utilização da canopla (c1), utilize os parafusos (p1) para fixar o suporte de fixação (sf1) na caixa de passagem. posicione a canopla no suporte de fixação e em seguida utilize o parafuso (p2) para fixar a canopla.



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



7. para instalação linear dos perfis com uma fita led, encaixe o perfil (pf1) no suporte fixo (sf1) e na junção reta (jr1) até a metade e em seguida encaixe o perfil (pf2). aperte os parafusos (p2) para o travamento conforme a imagem acima.



8. para instalação linear dos perfis com duas fita led, encaixe o perfil (pf1) no suporte fixo (sf1) e na junção reta (jr1) até a metade e em seguida encaixe o perfil (pf2). aperte os parafusos (p2) para o travamento conforme a imagem acima.

