



mini frame darklight 34 e

linha de luminárias embutidas ou aplicadas, em perfil de alumínio extrudado, para tecnologia led. permite instalação em forro de gesso, alvenaria, laje, marcenaria ou trilho, com opções de fachos fixos e orientáveis. sua principal característica é o excelente controle antiofuscamento, eficiência luminosa e tamanhos reduzidos.

informações técnicas

fonte de luz
LED integrado

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

vida útil
50.000h

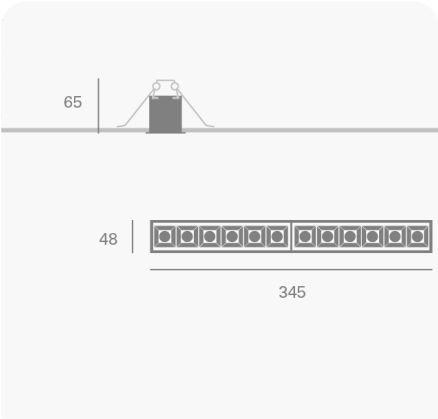
potência (W), facho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
12	concentrado	2700		
12	médio	2700		
12	aberto	2700		
12	concentrado	3000	1460	1256
12	médio	3000	1460	1302
12	aberto	3000	1460	1110
12	concentrado	4000		
12	médio	4000		
12	aberto	4000		
24	concentrado	2700		
24	médio	2700		
24	aberto	2700		
24	concentrado	3000	2580	2170
24	médio	3000	2580	2086
24	aberto	3000	2580	1885
24	concentrado	4000		
24	médio	4000		
24	aberto	4000		

equipamentos
LED driver 700mA (incluso, ponto remoto)

controle
on/off
dim fphase

instalação
forro de gesso
marcenaria



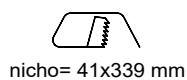
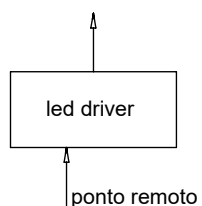
acabamentos e cores

cores



vista inferior

dimensões em milímetros



mini frame darklight 34 e sr3

folha
1/1

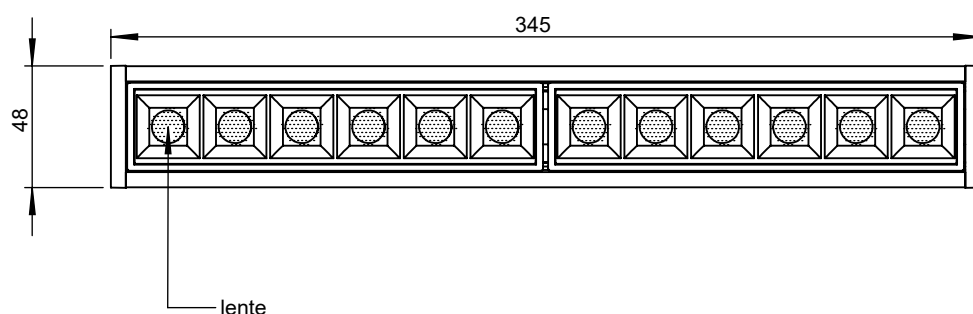
escala
1:3

data
27/11/2024

desenhista
joão v.

aprovação
ronaldo

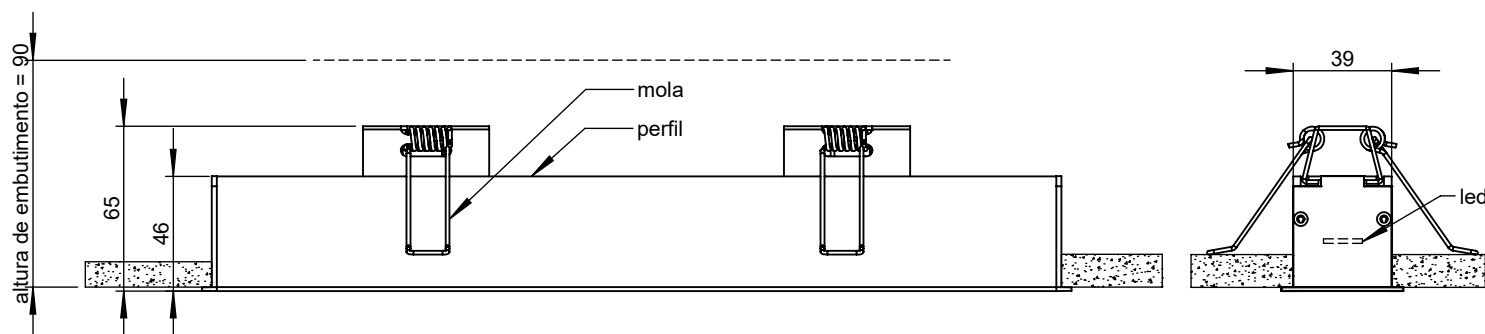
revisões
27/11/2024



vista lateral

dimensões em milímetros

para maiores informações,
consulte a área técnica
produto@lumini.com.br





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LumCAT:

Luminaire: mini frame darklight 34 serie 3 e fc

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0300

Test No:

Current(A): 0.1140

Number of Lamps: 1

Power (W): 14.3180

Lamp flux(lm): 1460.0

PF: 0.9870

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1256.10, Efficiency(%): 86.03% , Luminous Efficacy(lm/W): 87.73

Central intensity(cd): 6847.651, Maximum intensity(cd): 6847.651

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

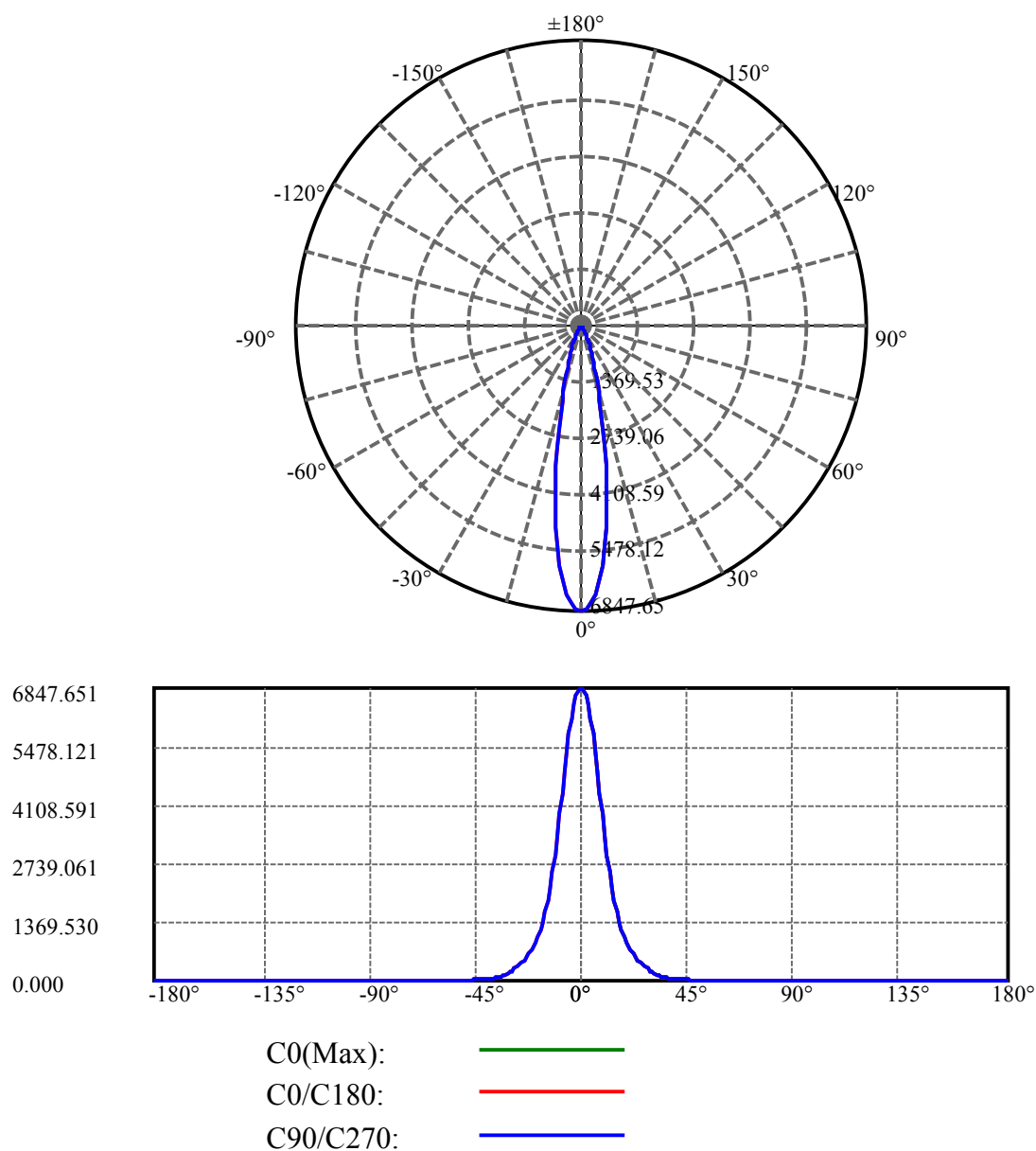
Beam angle of C0 plane : 19.93

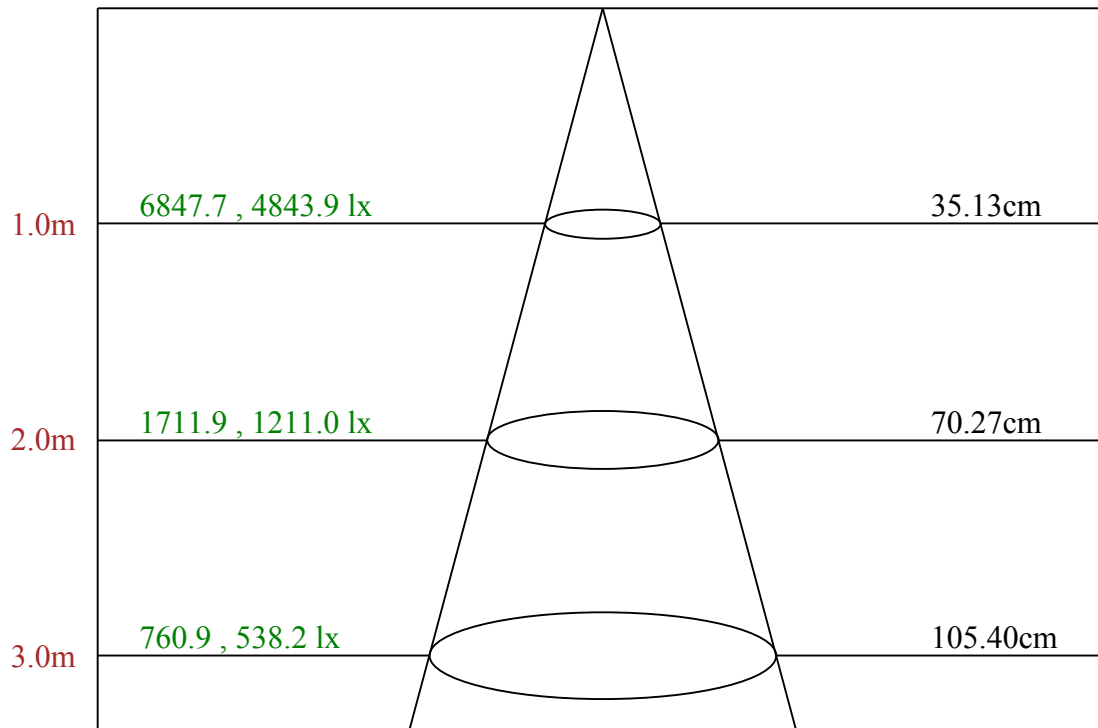
Average BeamAngle(IEC 61341): 19.93

Equipment: equipamento lumini
Temperature(°C): 27.2

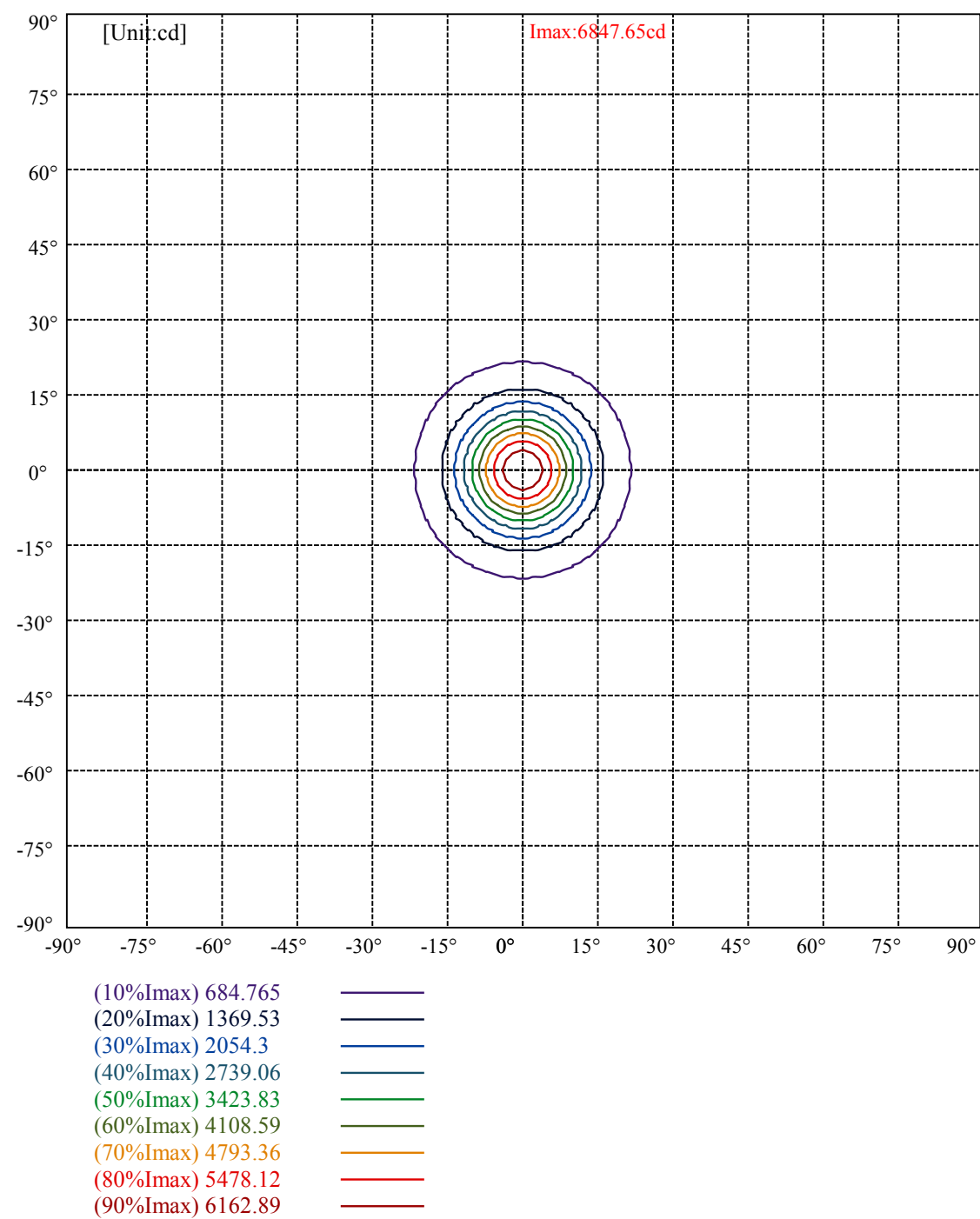
Date: 17/02/2025
Humidity(%): 65.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 19.93



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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	4014	2632	1772	1230	1118	1301	1713	2553	5079
C45	4014	2632	1772	1230	1118	1301	1713	2553	5079
C90	4014	2632	1772	1230	1118	1301	1713	2553	5079

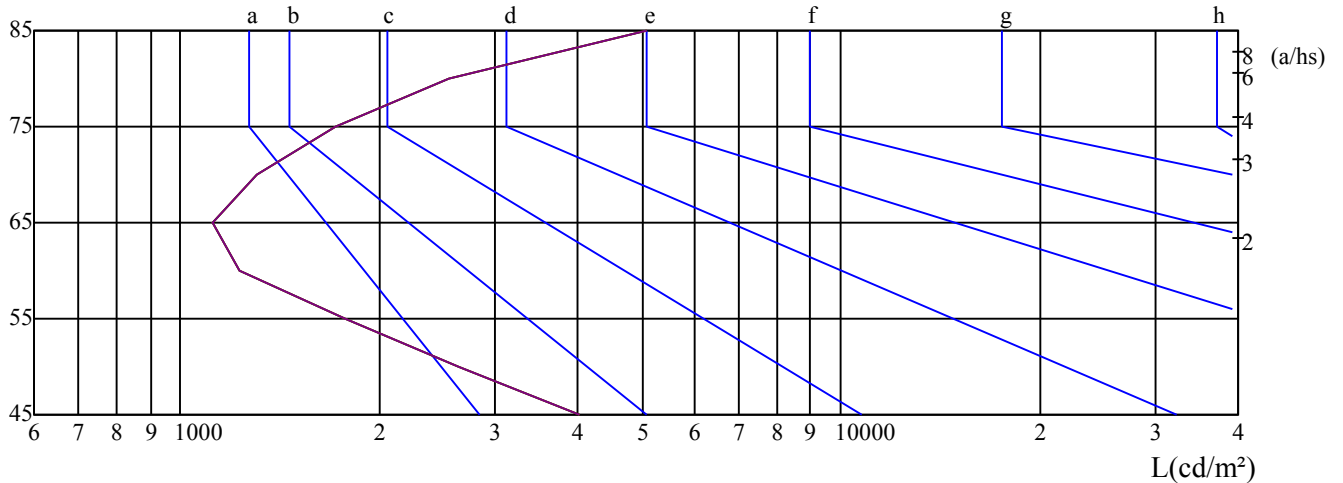
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1118	1118	1118	1713	1713	1713	5079	5079	5079

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): 27.2

Date: 17/02/2025
Humidity(%): 65.0%

Operator: 01
Distance(m): 6.90

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	8.81	9.71	9.21	10.06	10.43	9.38	10.28	9.78	10.64	11.00
	3H	8.89	9.69	9.31	10.07	10.47	9.42	10.23	9.85	10.61	11.00
	4H	9.10	9.84	9.54	10.24	10.65	9.59	10.33	10.03	10.73	11.15
	6H	9.58	10.26	10.03	10.67	11.12	10.01	10.68	10.46	11.10	11.55
	8H	9.95	10.60	10.41	11.02	11.48	10.34	10.98	10.80	11.41	11.86
	12H	10.51	11.12	10.97	11.55	12.02	10.83	11.45	11.30	11.88	12.35
4H	2H	8.65	9.39	9.09	9.79	10.21	9.20	9.94	9.64	10.34	10.75
	3H	8.85	9.47	9.31	9.90	10.37	9.33	9.96	9.80	10.39	10.86
	4H	9.26	9.80	9.74	10.26	10.76	9.69	10.23	10.17	10.69	11.19
	6H	9.98	10.46	10.49	10.95	11.44	10.33	10.80	10.84	11.29	11.79
	8H	10.57	11.01	11.09	11.51	12.03	10.87	11.31	11.39	11.81	12.33
	12H	11.40	11.80	11.92	12.29	12.86	11.64	12.04	12.16	12.53	13.10
8H	4H	9.37	9.81	9.89	10.30	10.82	9.76	10.20	10.28	10.70	11.22
	6H	10.37	10.73	10.91	11.24	11.80	10.66	11.02	11.20	11.54	12.09
	8H	11.23	11.53	11.80	12.09	12.63	11.48	11.78	12.04	12.33	12.87
	12H	12.35	12.58	12.93	13.13	13.70	12.53	12.75	13.10	13.31	13.87
12H	4H	9.42	9.82	9.94	10.31	10.88	9.80	10.20	10.33	10.69	11.26
	6H	10.57	10.87	11.14	11.43	11.97	10.85	11.15	11.42	11.71	12.25
	8H	11.51	11.74	12.09	12.29	12.86	11.74	11.96	12.31	12.52	13.08
Variation with the observer position at spacings:											
S = 1.0H		3.8/-3.3					3.8/-3.3				
S = 1.5H		5.2/-2.6					5.2/-2.6				
S = 2.0H		6.0/-2.1					6.0/-2.1				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.8					-6.8				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini frame darklight 34 serie 3 e fm

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.1100

Test No:

Current(A): 0.1140

Number of Lamps: 1

Power (W): 14.3390

Lamp flux(lm): 1460.0

PF: 0.9860

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1302.47, Efficiency(%): 89.21% , Luminous Efficacy(lm/W): 90.83

Central intensity(cd): 3921.576, Maximum intensity(cd): 3921.576

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

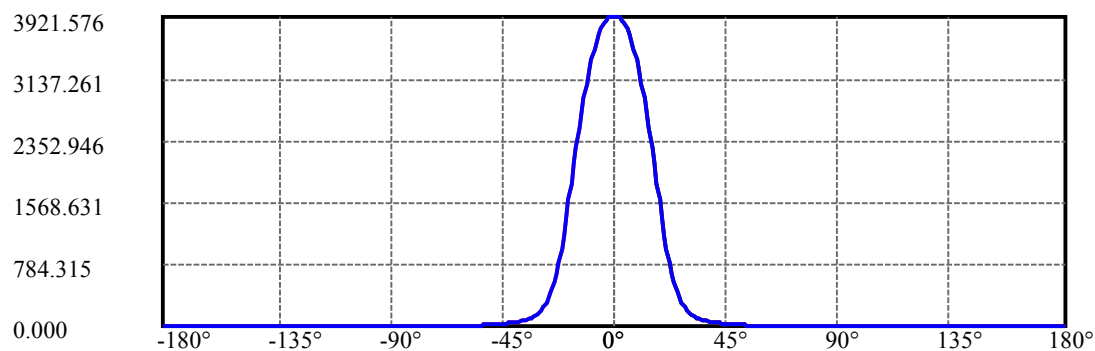
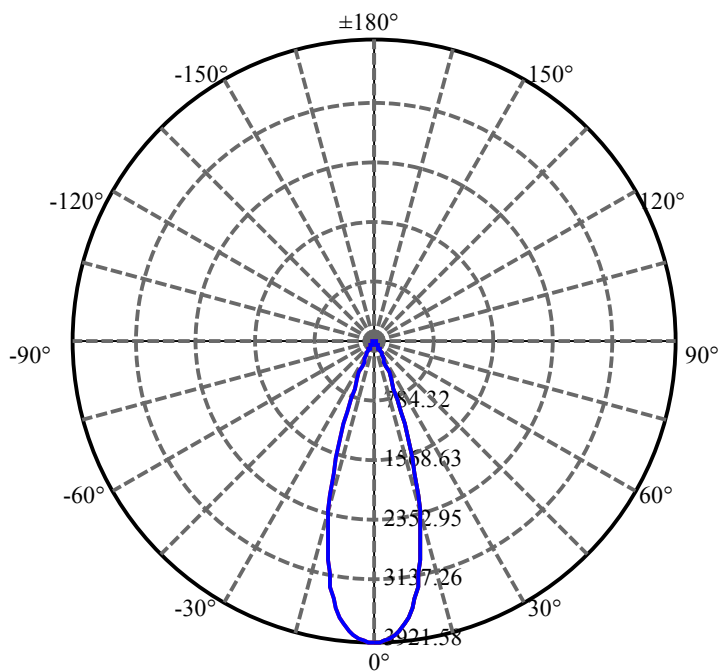
Beam angle of C0 plane : 32.87

Average BeamAngle(IEC 61341): 32.87

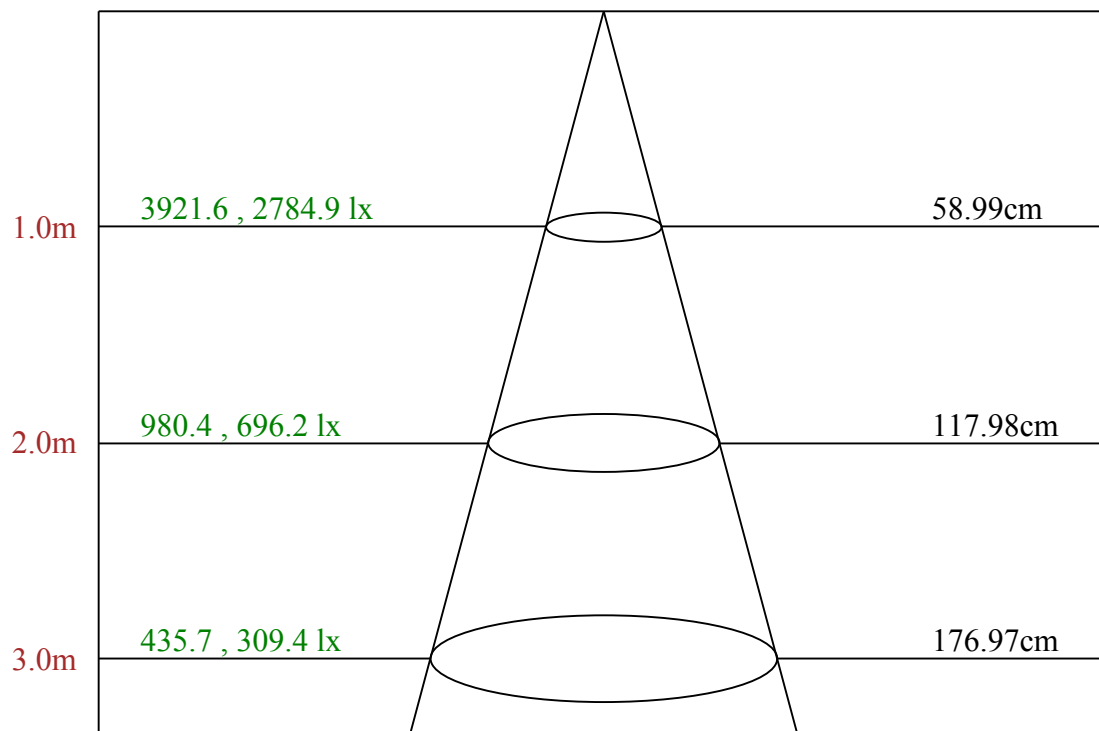
Equipment: equipamento lumini
Temperature(°C): 25.4

Date: 14/02/2025
Humidity(%): 66.0%

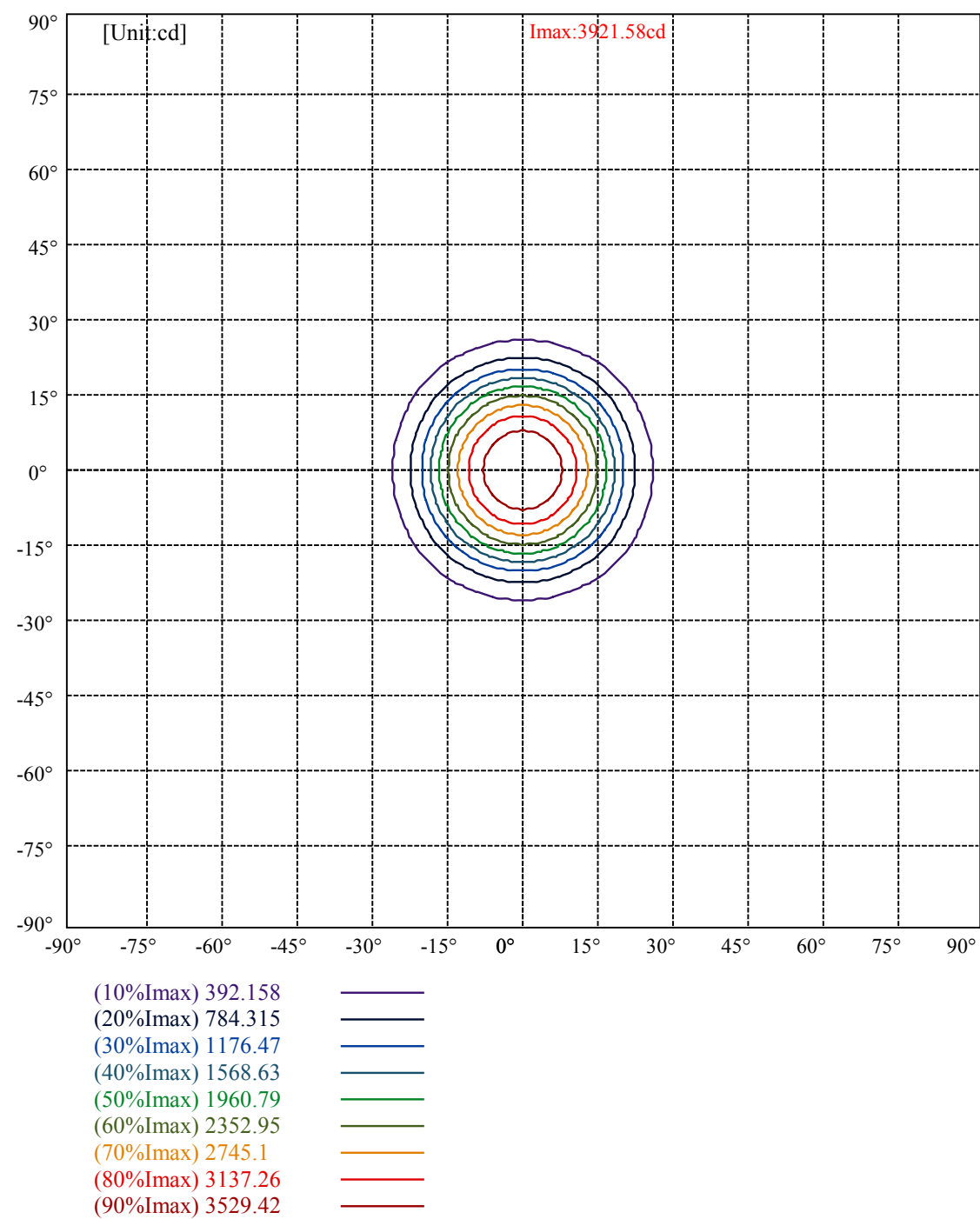
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 32.87



Luminance Table

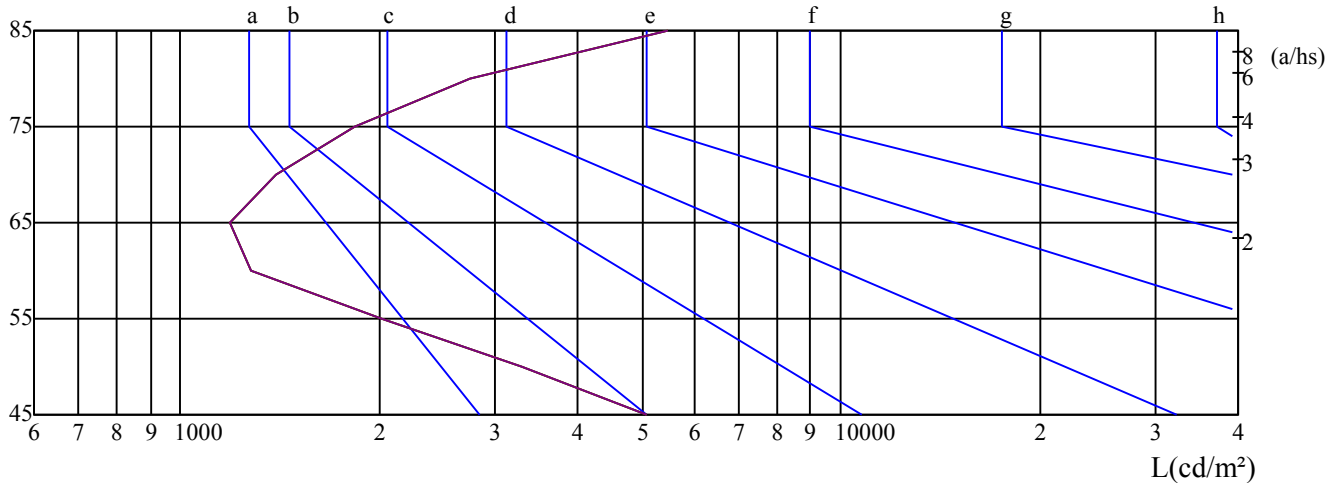
γ	45	50	55	60	65	70	75	80	85
C0	5085	3279	2010	1280	1190	1396	1842	2737	5463
C45	5085	3279	2010	1280	1190	1396	1842	2737	5463
C90	5085	3279	2010	1280	1190	1396	1842	2737	5463

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1190	1190	1190	1842	1842	1842	5463	5463	5463

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	9.15	10.06	9.55	10.41	10.78	10.37	11.27	10.77	11.63	12.00
	3H	9.23	10.04	9.66	10.42	10.82	10.36	11.17	10.79	11.55	11.95
	4H	9.45	10.19	9.89	10.59	11.01	10.49	11.23	10.93	11.63	12.05
	6H	9.94	10.62	10.39	11.04	11.48	10.83	11.51	11.28	11.93	12.38
	8H	10.31	10.96	10.77	11.39	11.84	11.10	11.75	11.56	12.18	12.64
	12H	10.87	11.48	11.33	11.92	12.39	11.54	12.16	12.01	12.59	13.06
4H	2H	8.97	9.72	9.41	10.11	10.53	10.14	10.88	10.58	11.28	11.70
	3H	9.17	9.80	9.63	10.23	10.70	10.21	10.84	10.68	11.27	11.74
	4H	9.59	10.14	10.07	10.60	11.10	10.51	11.05	10.98	11.51	12.01
	6H	10.33	10.80	10.84	11.30	11.80	11.05	11.53	11.56	12.02	12.52
	8H	10.92	11.37	11.45	11.86	12.38	11.53	11.97	12.05	12.46	12.99
	12H	11.75	12.16	12.28	12.65	13.22	12.23	12.64	12.76	13.13	13.69
8H	4H	9.70	10.14	10.22	10.64	11.16	10.54	10.98	11.06	11.48	12.00
	6H	10.72	11.08	11.26	11.59	12.15	11.33	11.69	11.87	12.21	12.77
	8H	11.58	11.88	12.15	12.44	12.99	12.06	12.36	12.63	12.92	13.46
	12H	12.70	12.93	13.28	13.49	14.05	13.05	13.28	13.63	13.83	14.40
12H	4H	9.75	10.16	10.28	10.65	11.21	10.57	10.98	11.10	11.47	12.03
	6H	10.92	11.22	11.49	11.78	12.32	11.50	11.80	12.06	12.35	12.90
	8H	11.86	12.09	12.44	12.64	13.21	12.30	12.53	12.88	13.08	13.65
Variation with the observer position at spacings:											
S = 1.0H		3.0/-3.1					3.0/-3.1				
S = 1.5H		4.3/-2.6					4.3/-2.6				
S = 2.0H		5.1/-2.1					5.1/-2.1				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.6					-6.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini frame darklight 34 serie 3 e fa

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.1000

Test No:

Current(A): 0.1140

Number of Lamps: 1

Power (W): 14.2910

Lamp flux(lm): 1460.0

PF: 0.9860

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1109.56, Efficiency(%): 76.00% , Luminous Efficacy(lm/W): 77.64

Central intensity(cd): 1361.182, Maximum intensity(cd): 1361.182

Angle of maximum intensity: C=0.0 γ =0.0

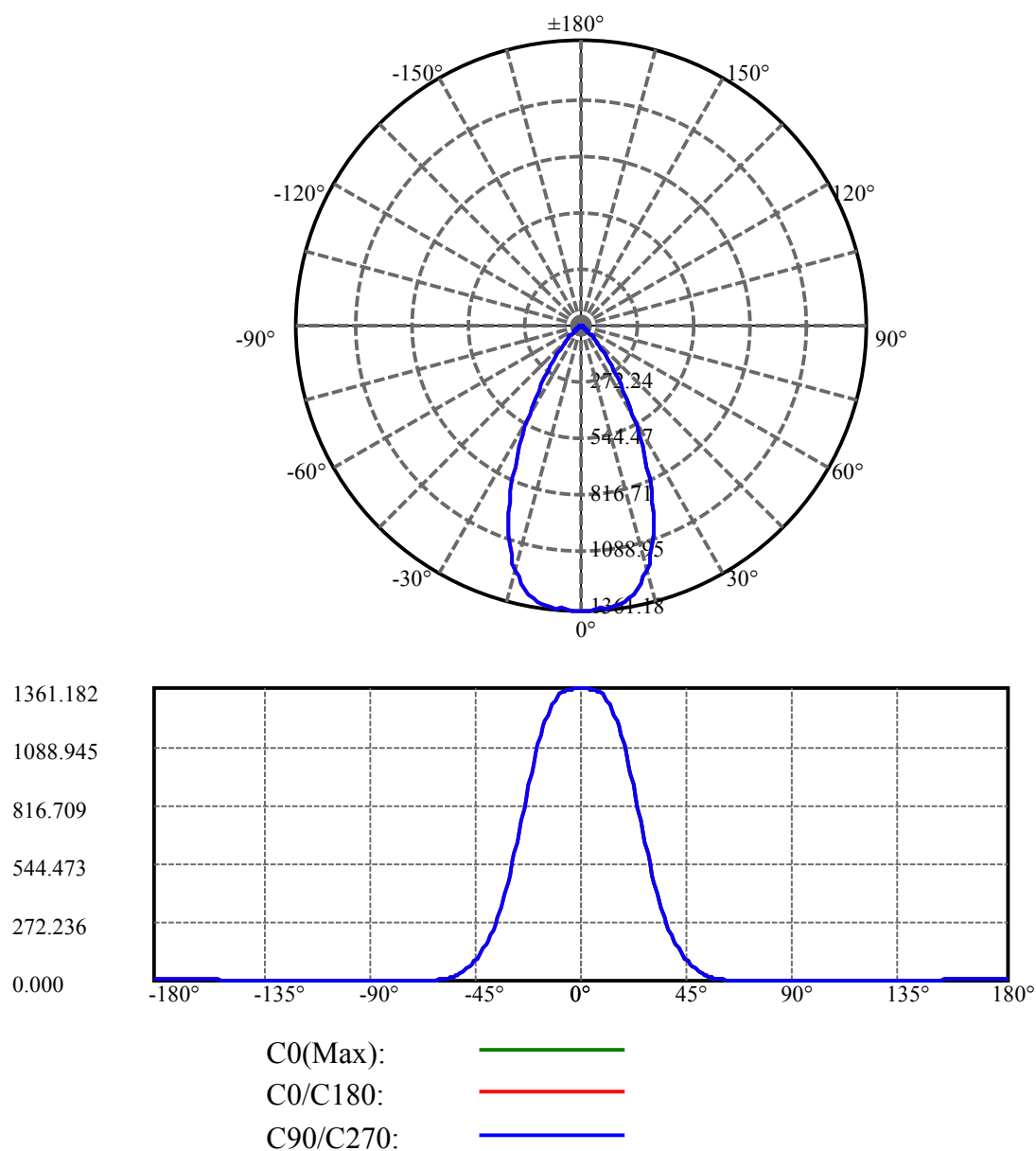
Beam angle of C0 plane : 52.68

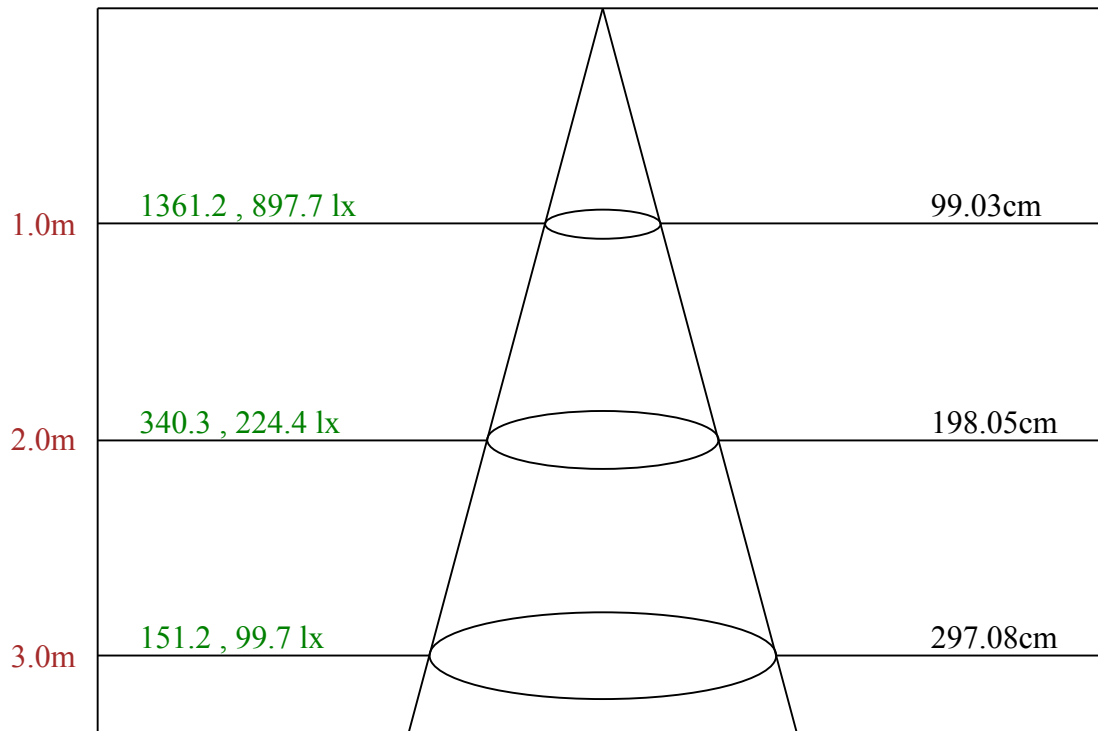
Aveage BeamAngle(IEC 61341):52.68

Equipment: equipamento lumini
Temperature(°C): 25.4

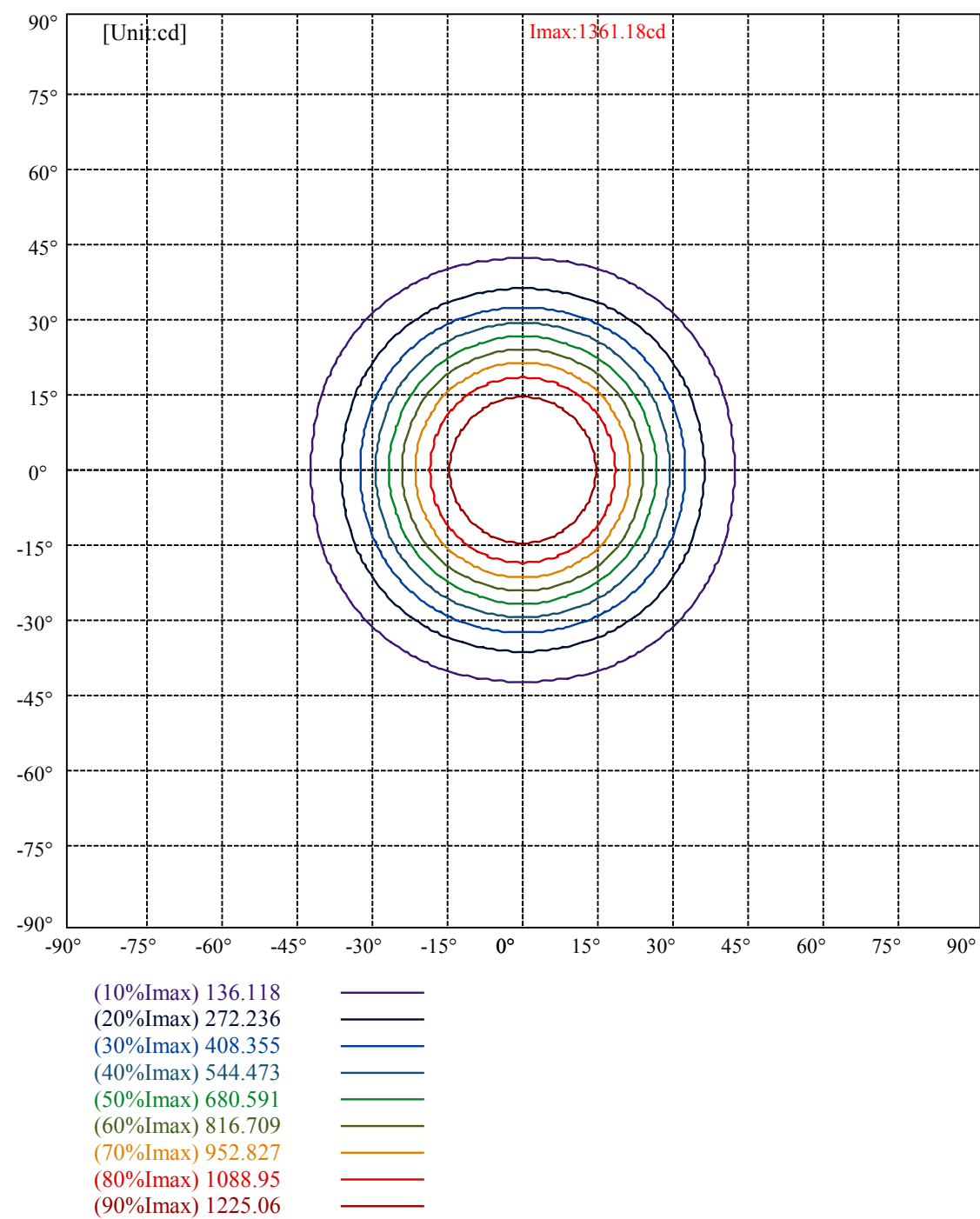
Date: 14/02/2025
Humidity(%): 66.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 52.68



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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	15881	8369	3307	1284	829	966	1273	1881	3764
C45	15881	8369	3307	1284	829	966	1273	1881	3764
C90	15881	8369	3307	1284	829	966	1273	1881	3764

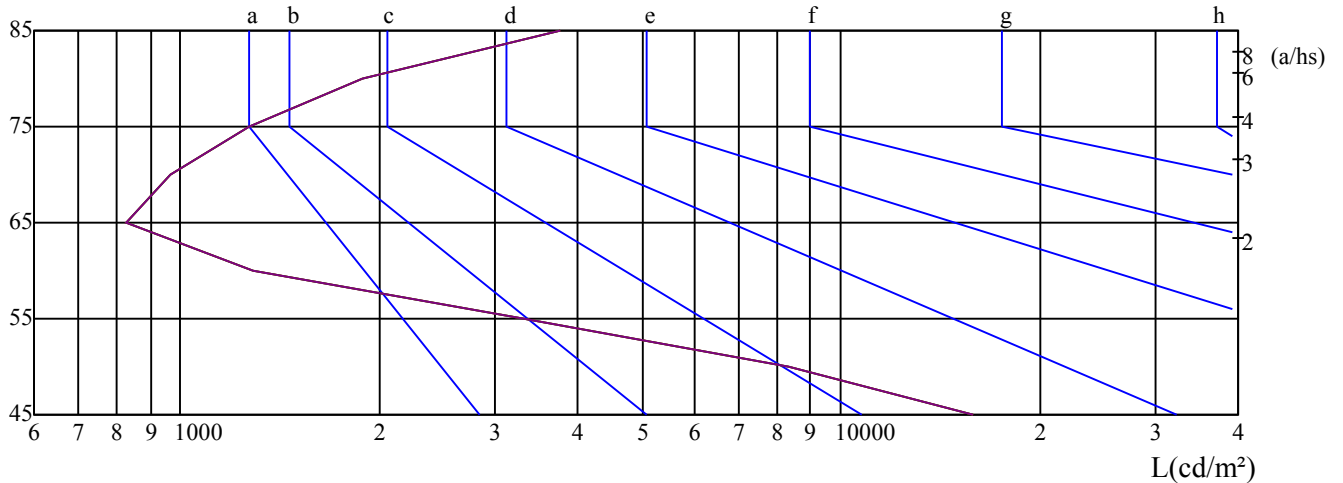
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
829	829	829	1273	1273	1273	3764	3764	3764

Glare Table

Glare	Quality	Service Values Illuminance(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

Equipment: equipamento lumini
Temperature($^{\circ}$ C): 25.4

Date: 14/02/2025
Humidity(%): 66.0%

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	18.68	19.66	19.08	20.01	20.38	18.02	19.00	18.42	19.35	19.71
	3H	18.49	19.36	18.91	19.73	20.13	17.83	18.70	18.25	19.07	19.47
	4H	18.40	19.20	18.83	19.59	20.01	17.74	18.54	18.17	18.94	19.35
	6H	18.34	19.07	18.79	19.48	19.93	17.68	18.42	18.13	18.83	19.27
	8H	18.28	18.99	18.74	19.41	19.86	17.63	18.33	18.09	18.76	19.21
	12H	18.25	18.92	18.71	19.35	19.81	17.60	18.27	18.06	18.70	19.16
4H	2H	18.40	19.21	18.84	19.60	20.01	17.74	18.55	18.18	18.94	19.35
	3H	18.18	18.85	18.64	19.28	19.74	17.52	18.19	17.98	18.62	19.08
	4H	18.12	18.70	18.59	19.16	19.65	17.47	18.05	17.94	18.51	19.00
	6H	18.03	18.54	18.53	19.02	19.52	17.38	17.89	17.89	18.38	18.87
	8H	18.01	18.48	18.53	18.98	19.49	17.37	17.84	17.89	18.34	18.85
	12H	18.03	18.47	18.55	18.95	19.51	17.40	17.83	17.92	18.32	18.88
8H	4H	17.93	18.41	18.45	18.90	19.41	17.28	17.76	17.80	18.25	18.76
	6H	17.85	18.24	18.38	18.75	19.30	17.21	17.60	17.74	18.11	18.66
	8H	17.90	18.23	18.46	18.78	19.32	17.27	17.60	17.84	18.15	18.69
	12H	17.97	18.22	18.54	18.77	19.34	17.35	17.61	17.93	18.16	18.72
12H	4H	17.89	18.32	18.41	18.81	19.37	17.24	17.67	17.76	18.16	18.72
	6H	17.84	18.17	18.41	18.72	19.26	17.21	17.54	17.77	18.09	18.63
	8H	17.87	18.13	18.45	18.68	19.24	17.25	17.51	17.82	18.06	18.62
Variation with the observer position at spacings:											
S = 1.0H		4.0/-9.0					4.0/-9.0				
S = 1.5H		6.6/-10.6					6.6/-10.6				
S = 2.0H		8.5/-9.1					8.5/-9.1				
Standard tables:		BK0					BK0				
Uncorrected UGR		-1.6					-1.6				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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lumini

LumCAT:

Luminaire: mini frame darklight 34 serie 3 e fc

LampCAT: modulo led 24W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0100

Test No:

Current(A): 0.2080

Number of Lamps: 1

Power (W): 26.2660

Lamp flux(lm): 2580.0

PF: 0.9940

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2170.16, Efficiency(%): 84.11% , Luminous Efficacy(lm/W): 82.62

Central intensity(cd): 11673.580, Maximum intensity(cd): 11673.580

Angle of maximum intensity: C=0.0 γ =0.0

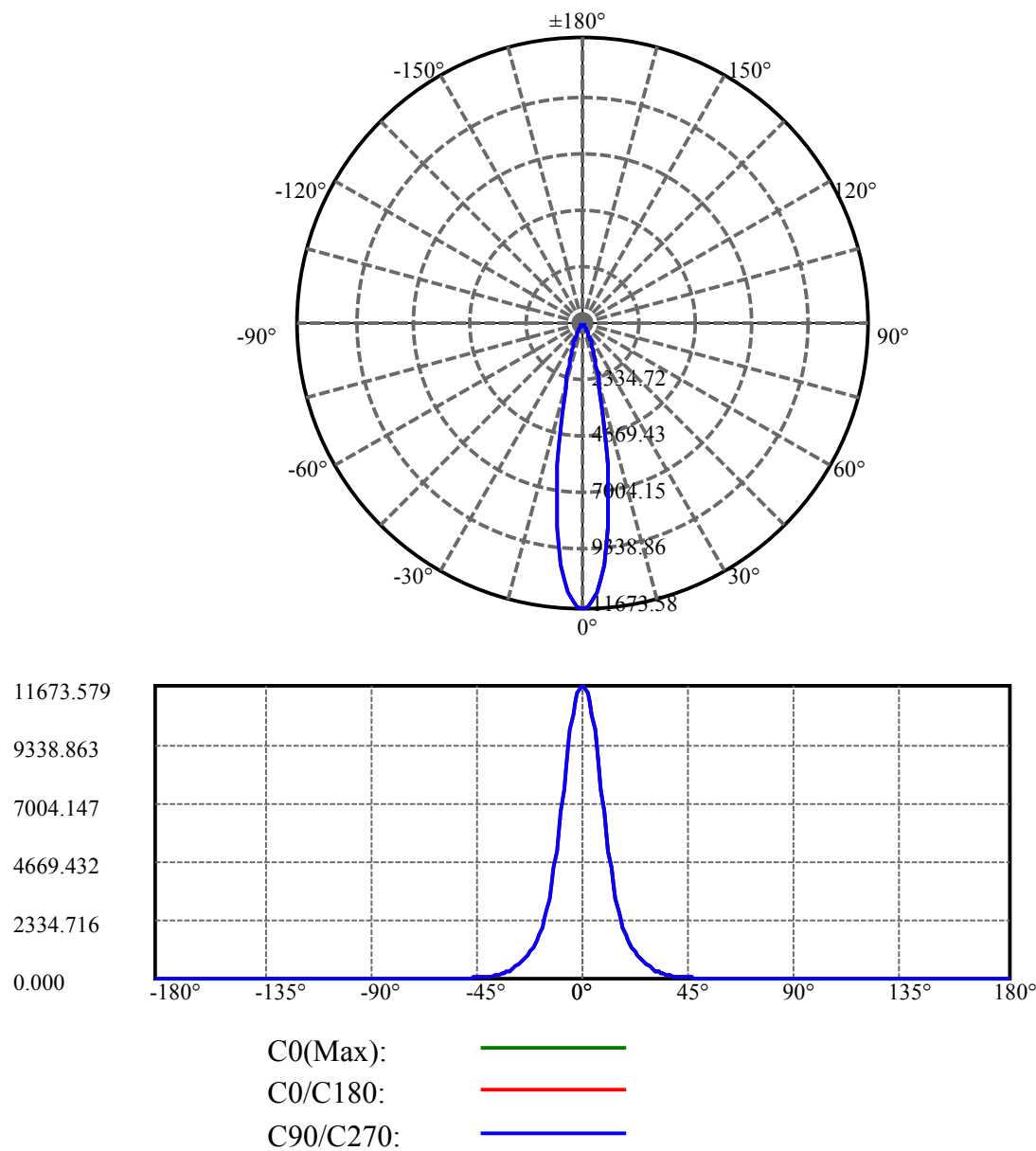
Beam angle of C0 plane : 20.14

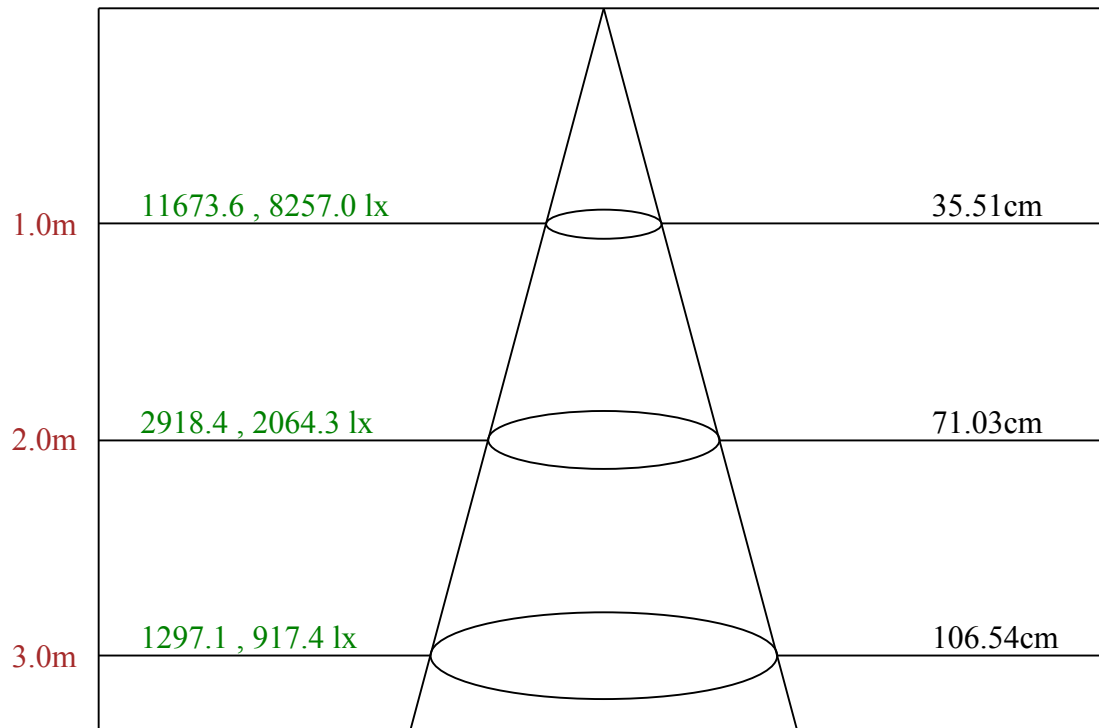
Average BeamAngle(IEC 61341): 20.14

Equipment: equipamento lumini
Temperature(°C): 26.5

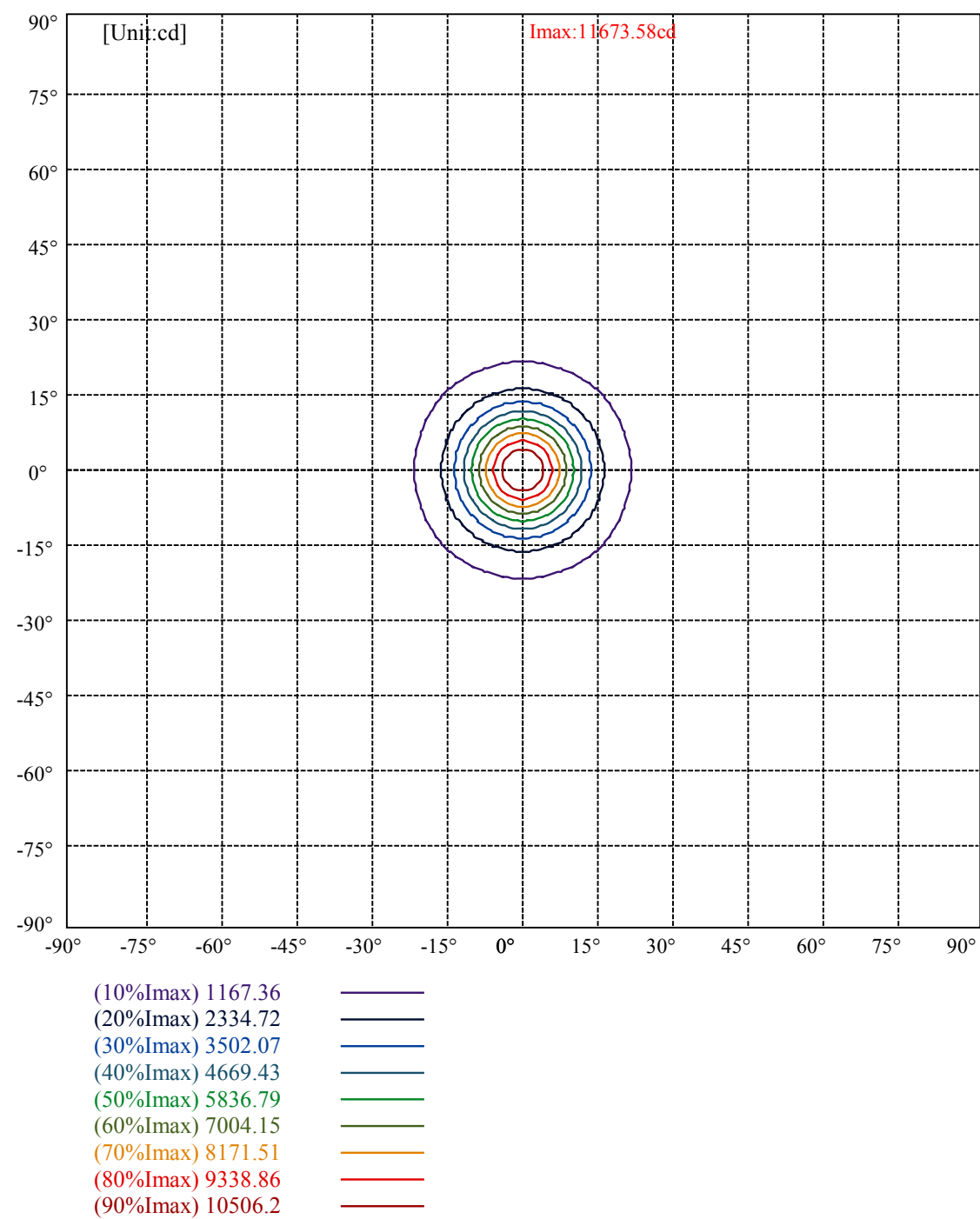
Date: 20/02/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.14



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:5

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	7253	4759	3171	2184	1973	2312	3050	4511	9013
C45	7253	4759	3171	2184	1973	2312	3050	4511	9013
C90	7253	4759	3171	2184	1973	2312	3050	4511	9013

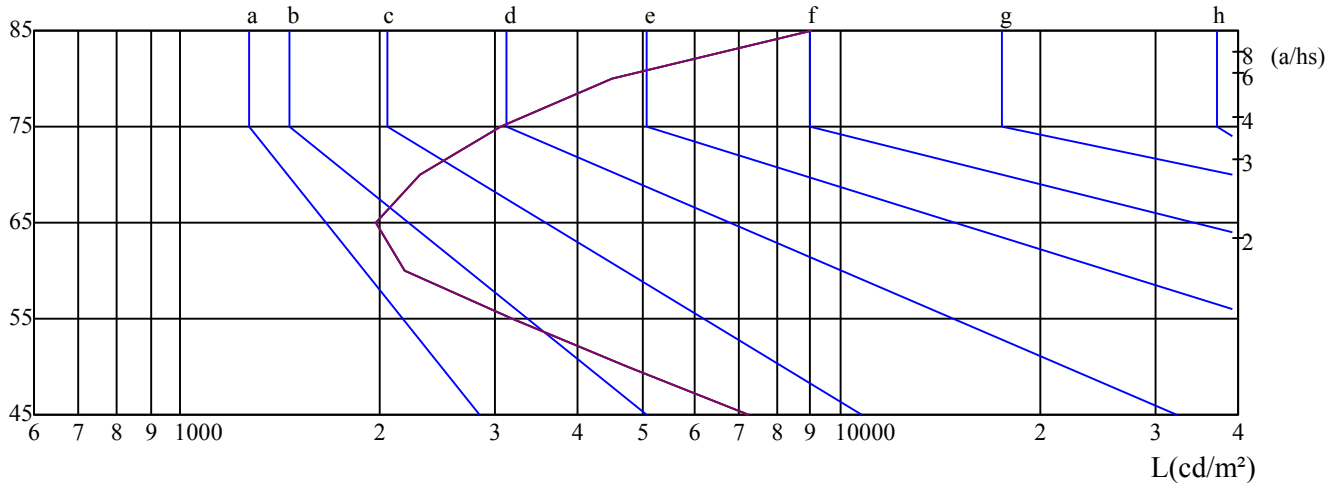
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1973	1973	1973	3050	3050	3050	9013	9013	9013

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): 26.5

Date: 20/02/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90



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LumCAT:

Luminaire: mini frame darklight 34 serie 3 e fm

LampCAT: modulo led 24W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.2070

Number of Lamps: 1

Power (W): 26.1560

Lamp flux(lm): 2580.0

PF: 0.9940

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 2086.25, Efficiency(%): 80.86% , Luminous Efficacy(lm/W): 79.76

Central intensity(cd): 9367.803, Maximum intensity(cd): 9367.803

Angle of maximum intensity: C=0.0 γ =0.0

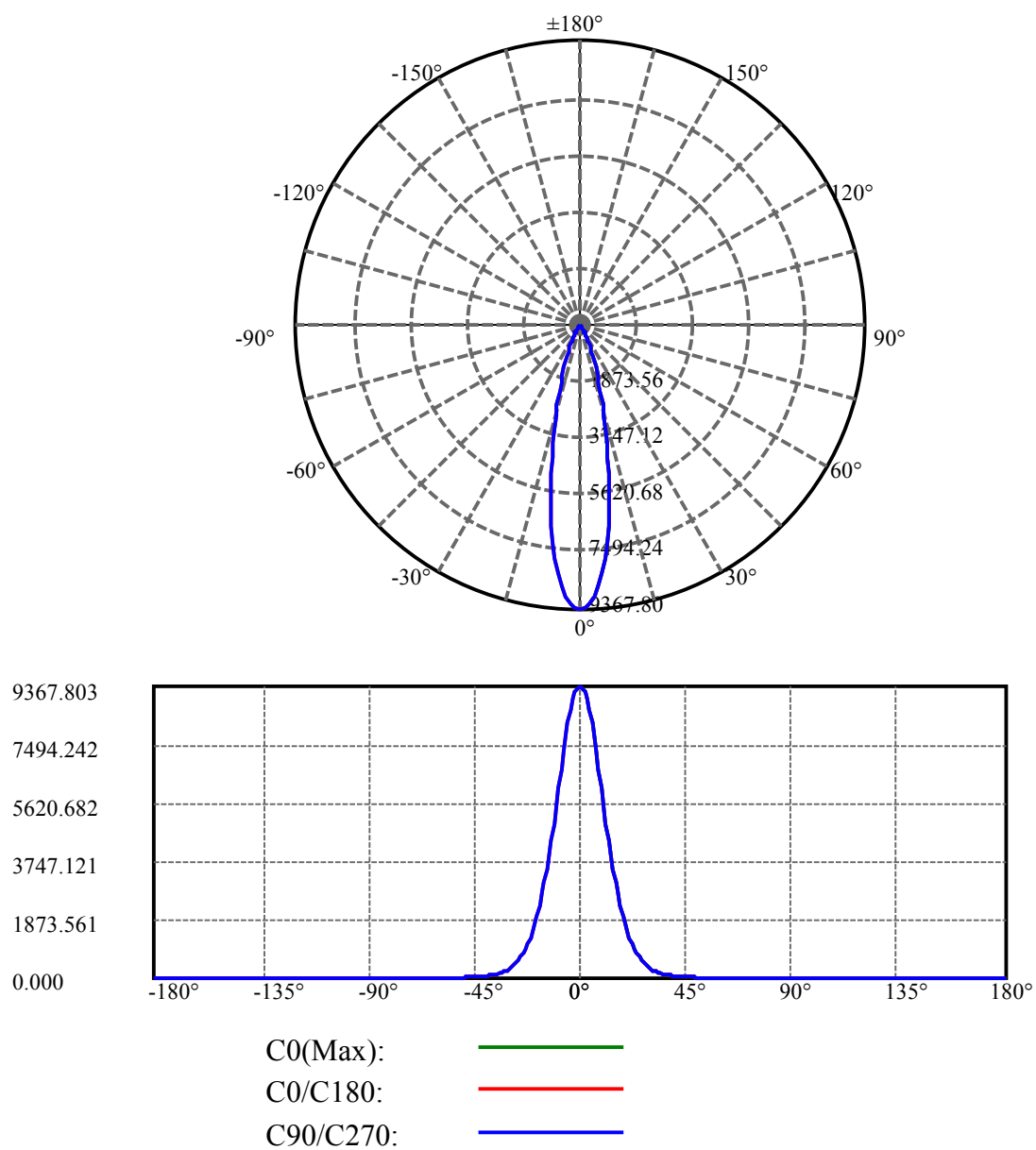
Beam angle of C0 plane : 23.04

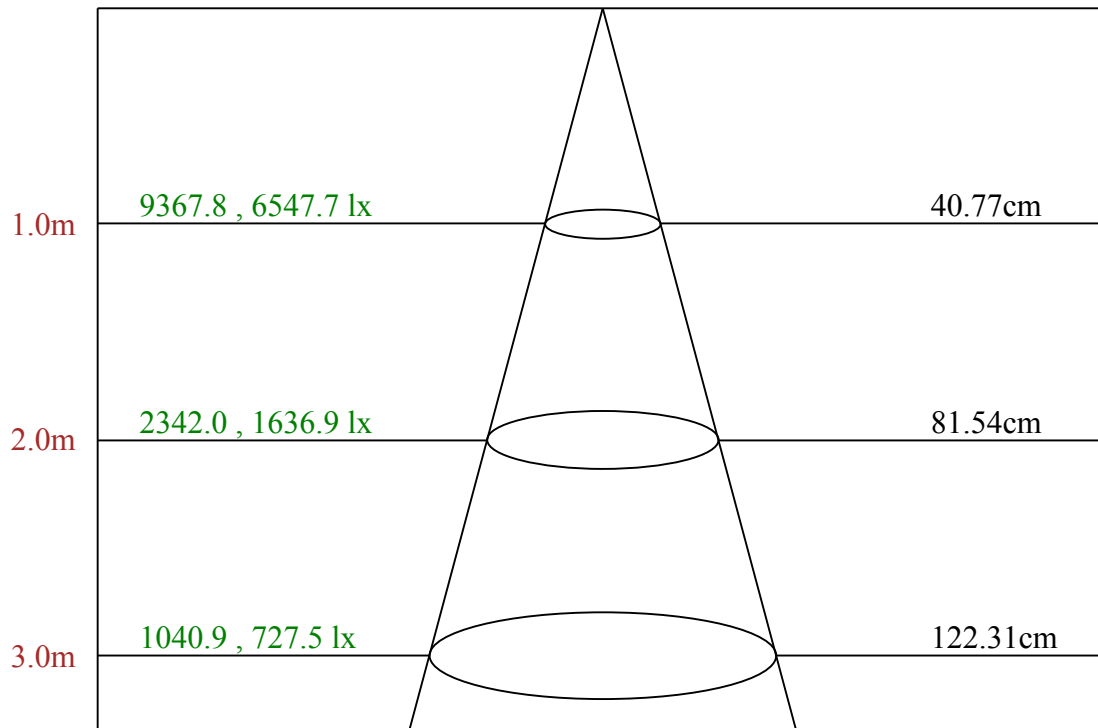
Aveage BeamAngle(IEC 61341):23.04

Equipment: equipamento lumini
Temperature(°C): 26.5

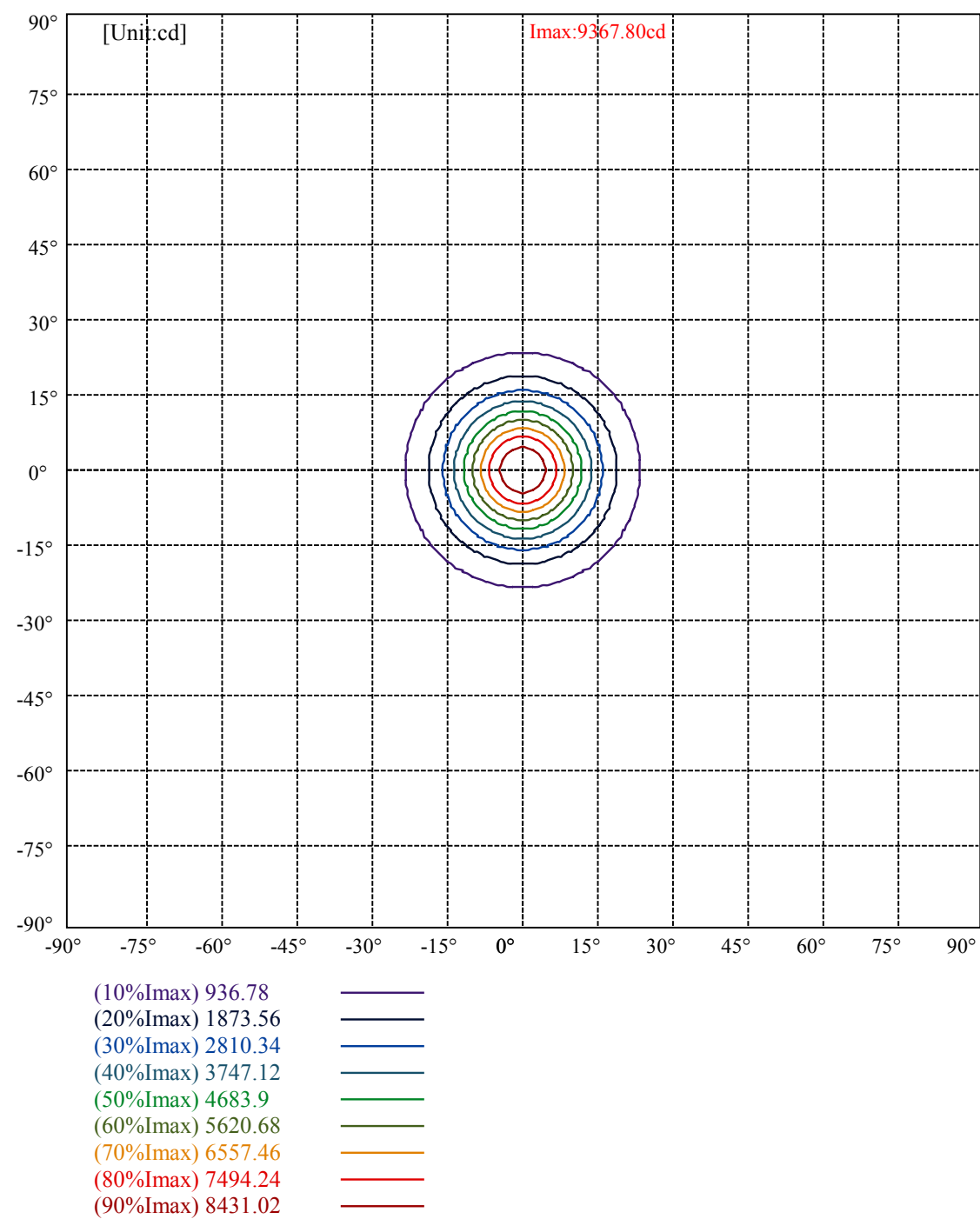
Date: 20/02/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 23.04



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:5

Luminance Table

γ	45	50	55	60	65	70	75	80	85
C0	7206	4650	3214	2105	1942	2273	2978	4430	8808
C45	7206	4650	3214	2105	1942	2273	2978	4430	8808
C90	7206	4650	3214	2105	1942	2273	2978	4430	8808

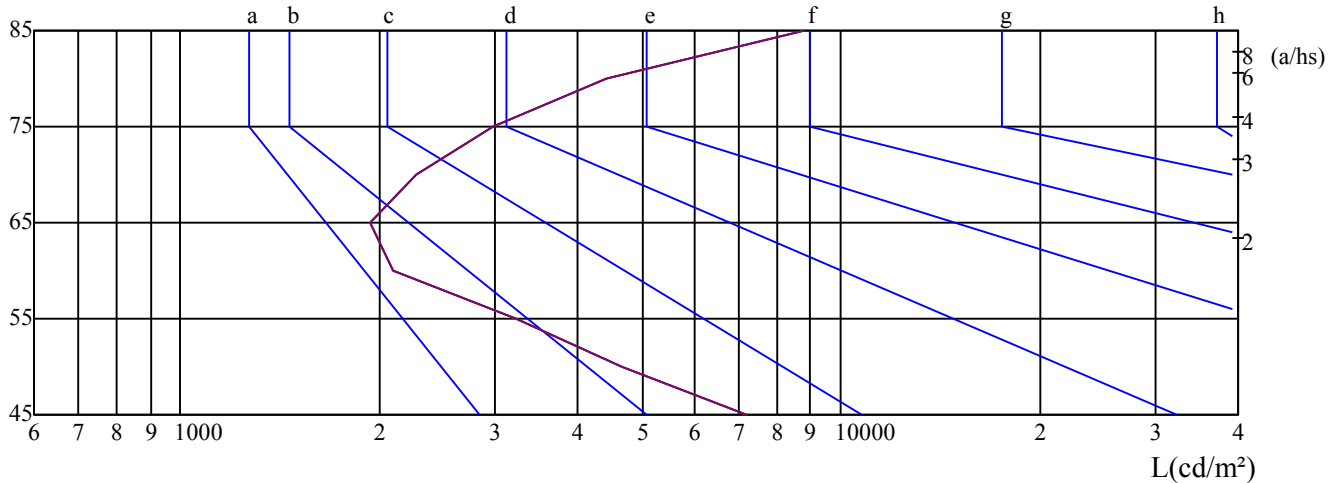
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1942	1942	1942	2978	2978	2978	8808	8808	8808

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): 26.5

Date: 20/02/2025
Humidity(%): 64.0%

Operator: 01
Distance(m): 6.90



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lumini

LumCAT:

Luminaire: mini frame darklight 34 serie 3 e fa

LampCAT: modulo led 24W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0200

Test No:

Current(A): 0.2070

Number of Lamps: 1

Power (W): 26.1690

Lamp flux(lm): 2580.0

PF: 0.9940

Length(mm): 320

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1885.25, Efficiency(%): 73.07% , Luminous Efficacy(lm/W): 72.04

Central intensity(cd): 2137.284, Maximum intensity(cd): 2168.159

Angle of maximum intensity: C=0.0 γ =8.0

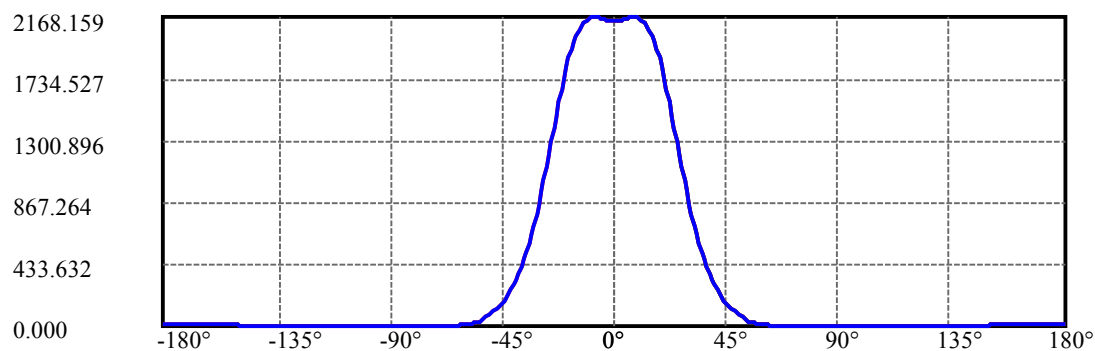
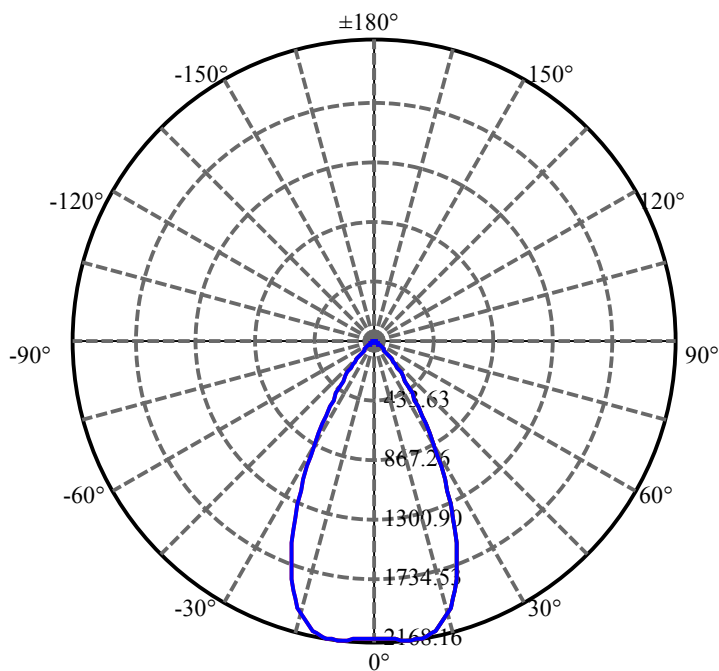
Beam angle of C0 plane : 55.01

Average BeamAngle(IEC 61341): 55.01

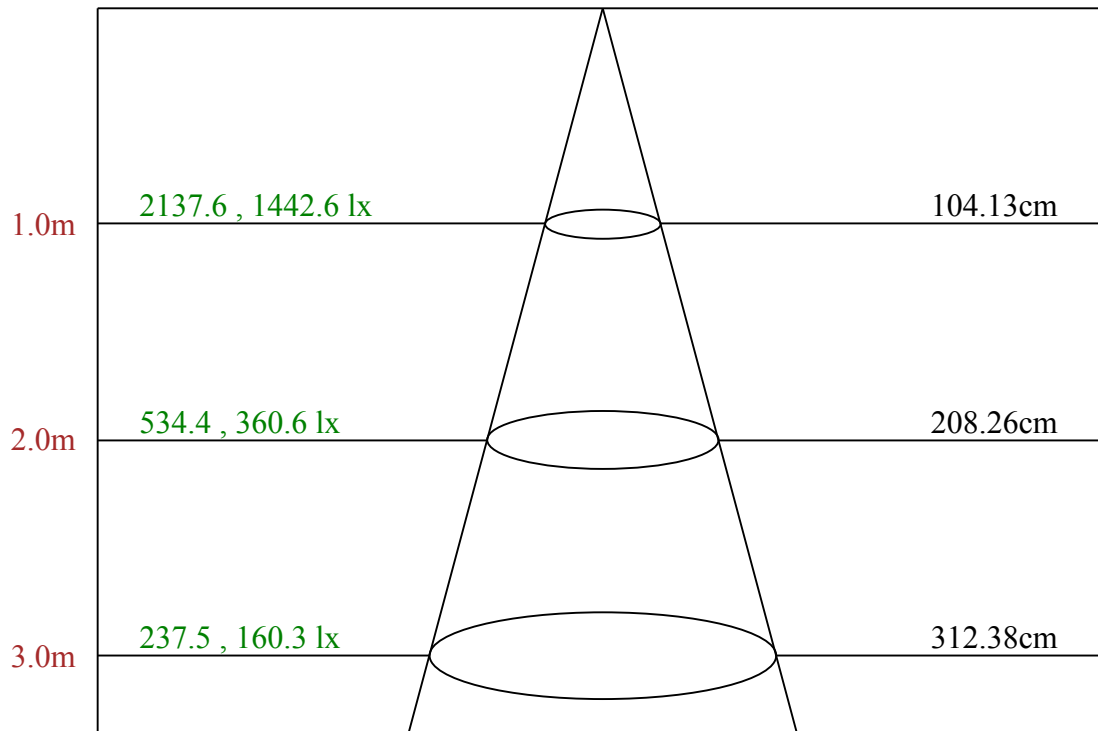
Equipment: equipamento lumini
Temperature(°C): 27.2

Date: 19/02/2025
Humidity(%): 59.0%

Operator: 01
Distance(m): 6.90

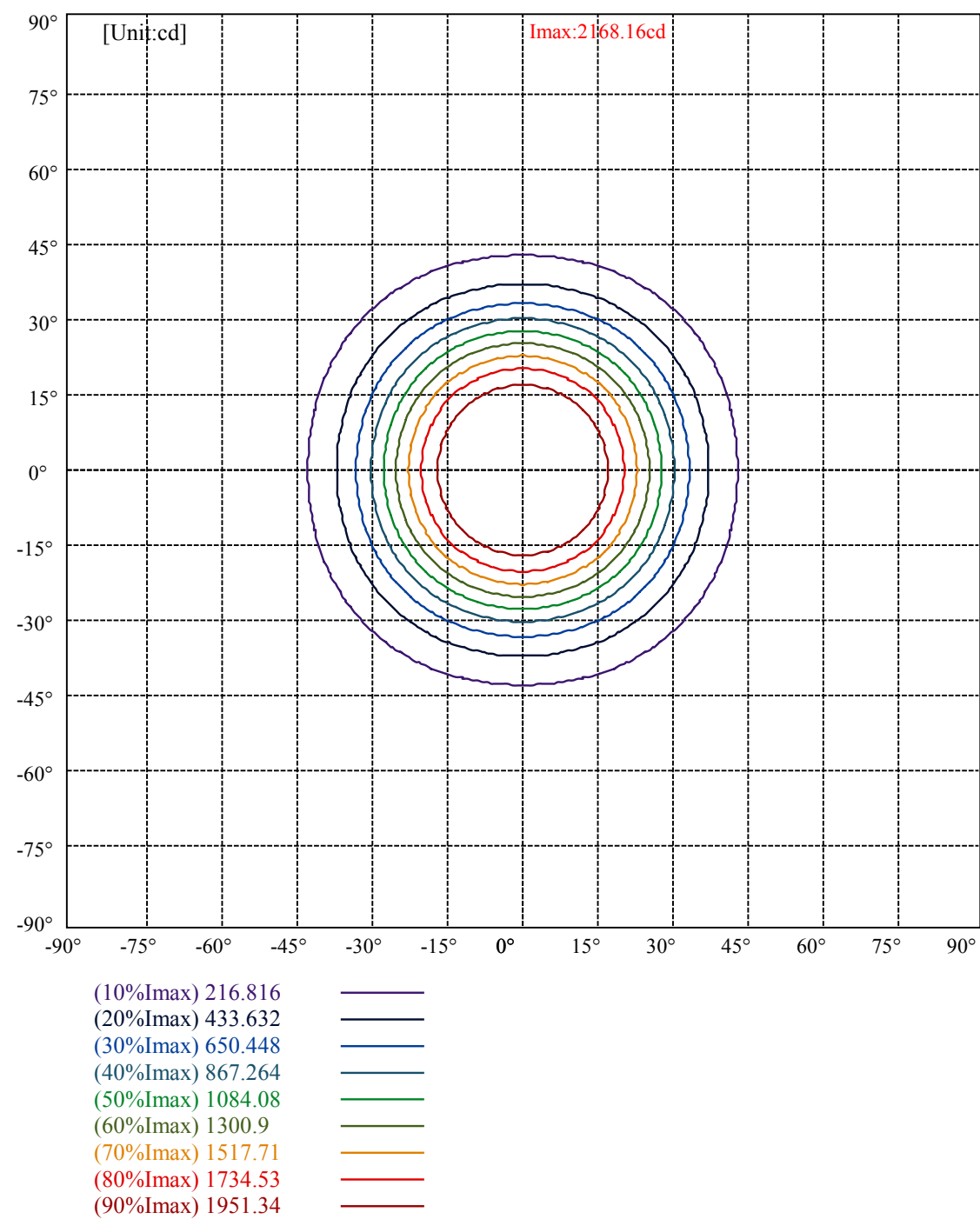


C0(Max):
C0/C180:
C90/C270:



Max , Ave

Beam angle of C0 plane 55.01



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:5

Luminance Table

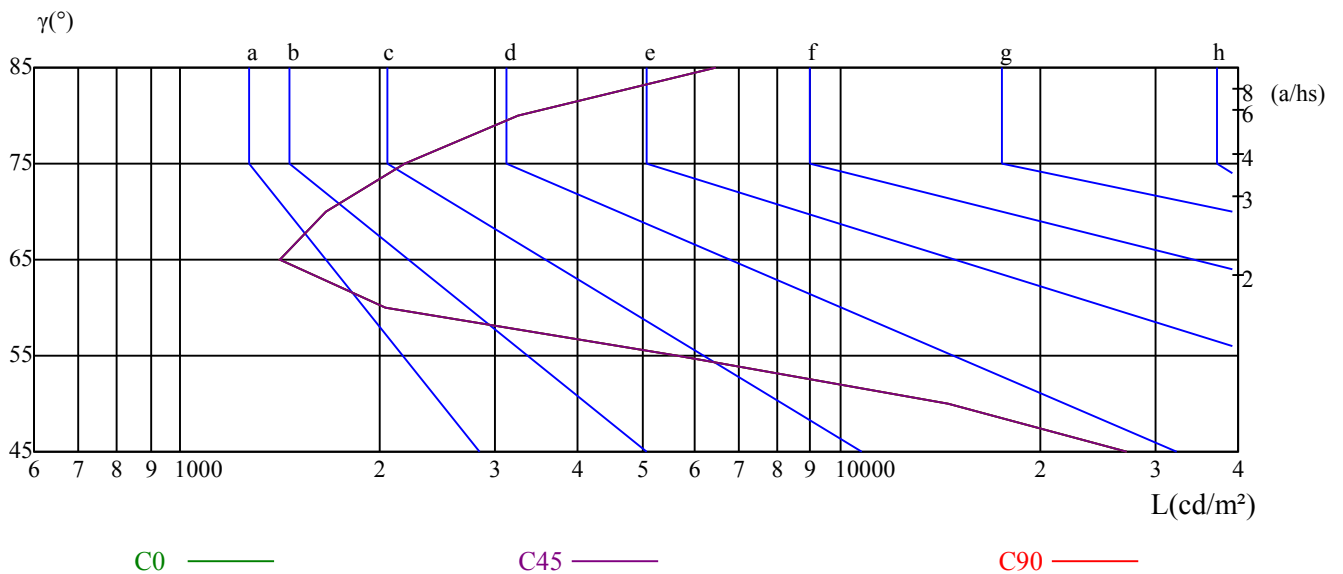
γ	45	50	55	60	65	70	75	80	85
C0	27164	14588	5668	2047	1417	1662	2182	3247	6461
C45	27164	14588	5668	2047	1417	1662	2182	3247	6461
C90	27164	14588	5668	2047	1417	1662	2182	3247	6461

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1417	1417	1417	2182	2182	2182	6461	6461	6461

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



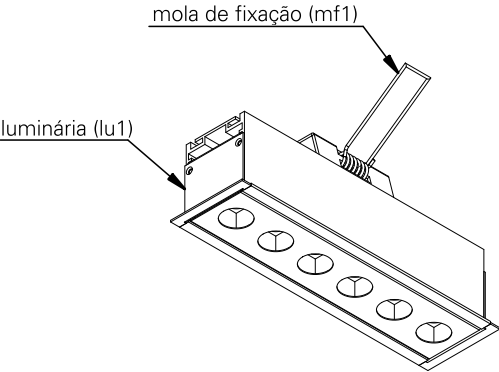
Equipment: equipamento lumini
Temperature($^{\circ}\text{C}$): 27.2

Date: 19/02/2025
Humidity(%): 59.0%

Operator: 01
Distance(m): 6.90

mini frame

xmc mini frame led concentra 8 serie 2
mini frame darklight 8 serie 2 e
mini frame darklight 17 serie 3 e
mini frame darklight 34 serie 2 e
mini frame darklight 50 serie 2 e



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.

para evitar riscos e deformações à luminária, evite o processo de calafetagem.

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

peso

xmc mini frame led concentra 8 serie 2 - 0,3 kg
mini frame darklight 8 serie 2 e - 0,3 kg
mini frame darklight 17 serie 3 e - 0,5 kg
mini frame darklight 34 serie 2 - 0,9 kg
mini frame darklight 50 serie 2 - 1,2 kg

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

1 luminária

ferramentas necessárias

serra tico tico

informações importantes

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

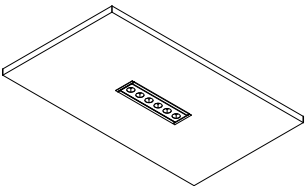
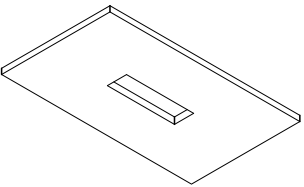
antes de iniciar a instalação, certifique-se que a energia elétrica esteja desligada.

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

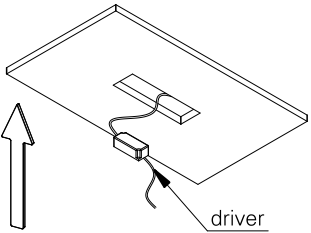
instalação passo a passo



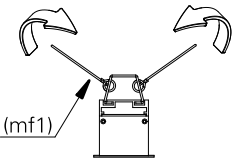
1. faça um nicho no forro conforme a tabela abaixo:
xmc mini frame led concentra 8 s2 - nicho = 91x41
mini frame darklight 8 serie 2 e - nicho = 91x41
mini frame darklight 17 serie 3 e - nicho = 173x41
mini frame darklight 34 serie 2 e - nicho = 332x41
mini frame darklight 50 serie 2 e - nicho = 494x41



2. aloje o driver sobre o forro. faça a ligação elétrica. isole os fios separadamente com fita isolante. repita a operação envolvendo o conjunto dos fios, vedando completamente a emenda.



3. levante as molas de fixação (mf1) conforme a ilustração abaixo.



4. segurando as molas de fixação, encaixe a luminária (lu1) no nicho.

