



mini frame darklight 8 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 facho 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

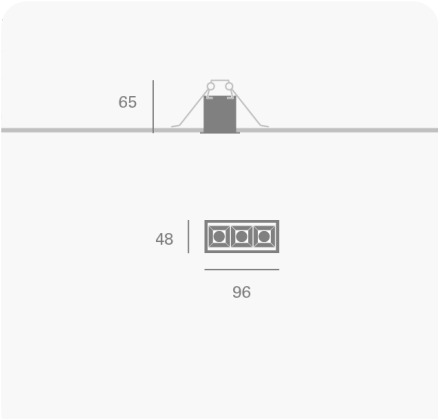
potência (W), facho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
3	concentrado	2700		
3	médio	2700		
3	aberto	2700		
3	concentrado	3000	395	312
3	médio	3000	395	333
3	aberto	3000	395	281
3	concentrado	4000		
3	médio	4000		
3	aberto	4000		
6	concentrado	2700		
6	médio	2700		
6	aberto	2700		
6	concentrado	3000	700	547
6	médio	3000	700	583
6	aberto	3000	700	492
6	concentrado	4000		
6	médio	4000		
6	aberto	4000		

equipamentos
LED driver 700mA (incluso, ponto remoto)

controle
on/off
dim fphase

instalação
forro de gesso
marcenaria



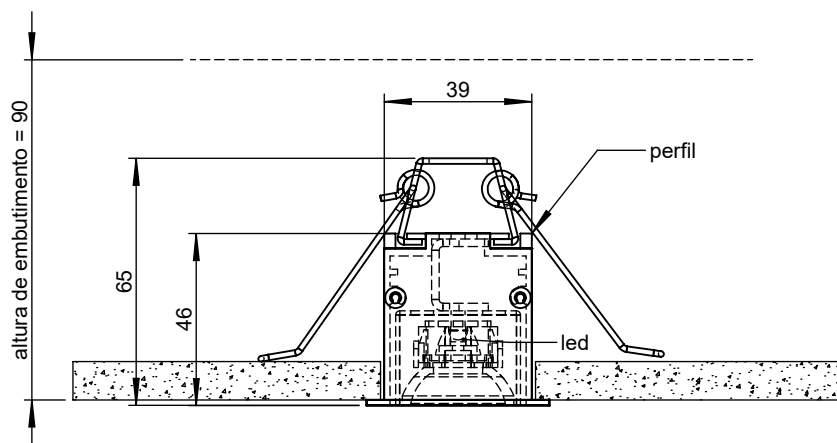
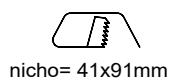
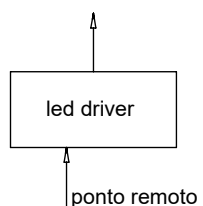
acabamentos e cores

cores



vista lateral

dimensões em milímetros



mini frame darklight 8 serie 2

folha
1/1

escala
1:2

data
10/04/2025

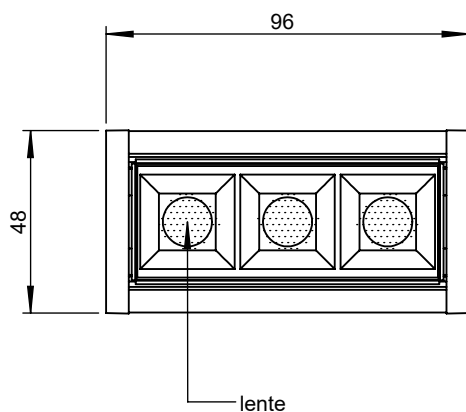
desenhista
emilson

aprovação
edmilson

revisões
10/04/2025

vista inferior

dimensões em milímetros



para maiores informações,
consulte a área técnica
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LumCAT:

Luminaire: mini frame darklight 8 serie 2 e fc

LampCAT: modulo led 3W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0330

Number of Lamps: 1

Power (W): 4.0500

Lamp flux(lm): 395.0

PF: 0.9900

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 312.44, Efficiency(%): 79.10% , Luminous Efficacy(lm/W): 77.15

Central intensity(cd): 1663.398, Maximum intensity(cd): 1663.398

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

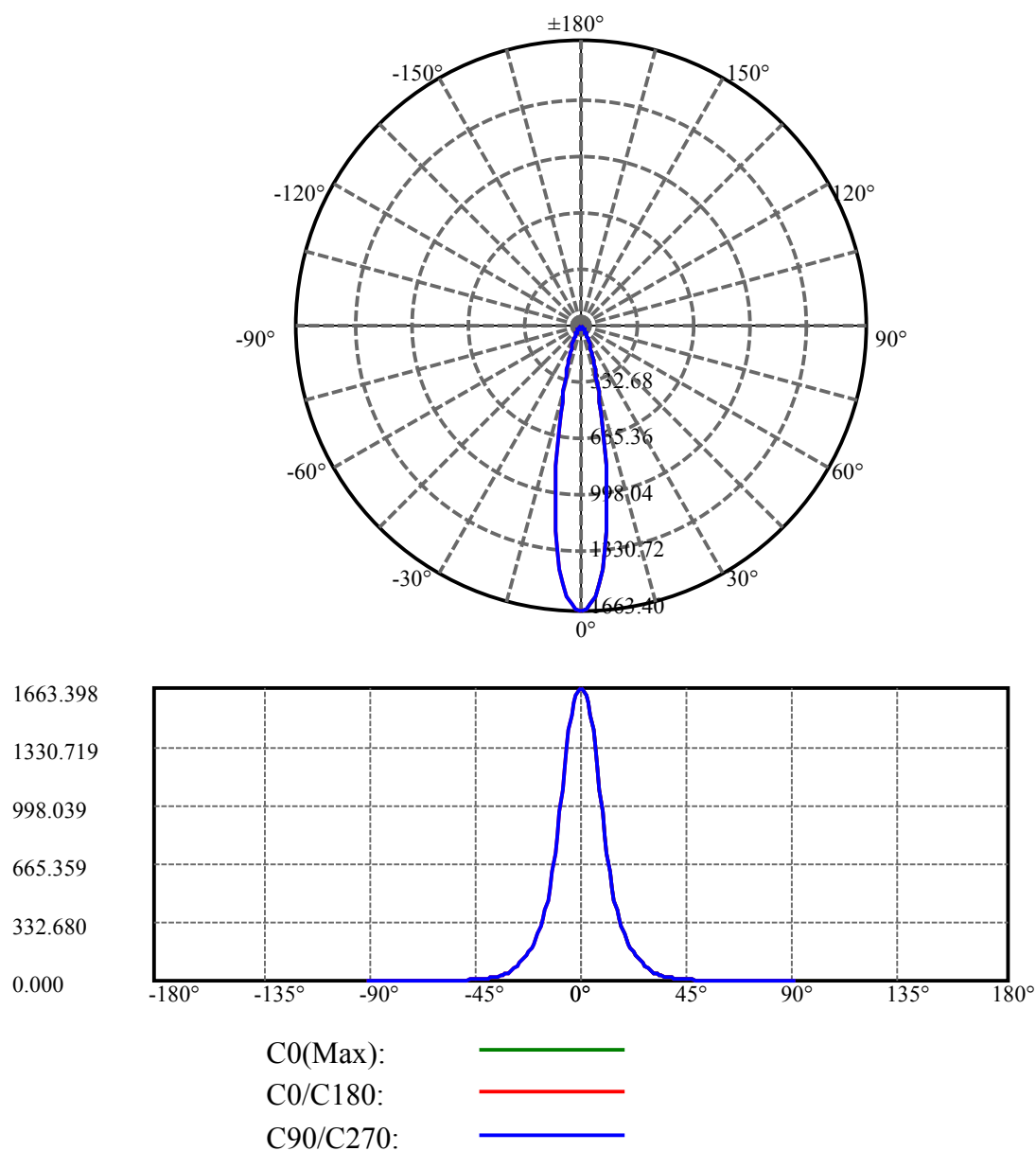
Beam angle of C0 plane : 19.92

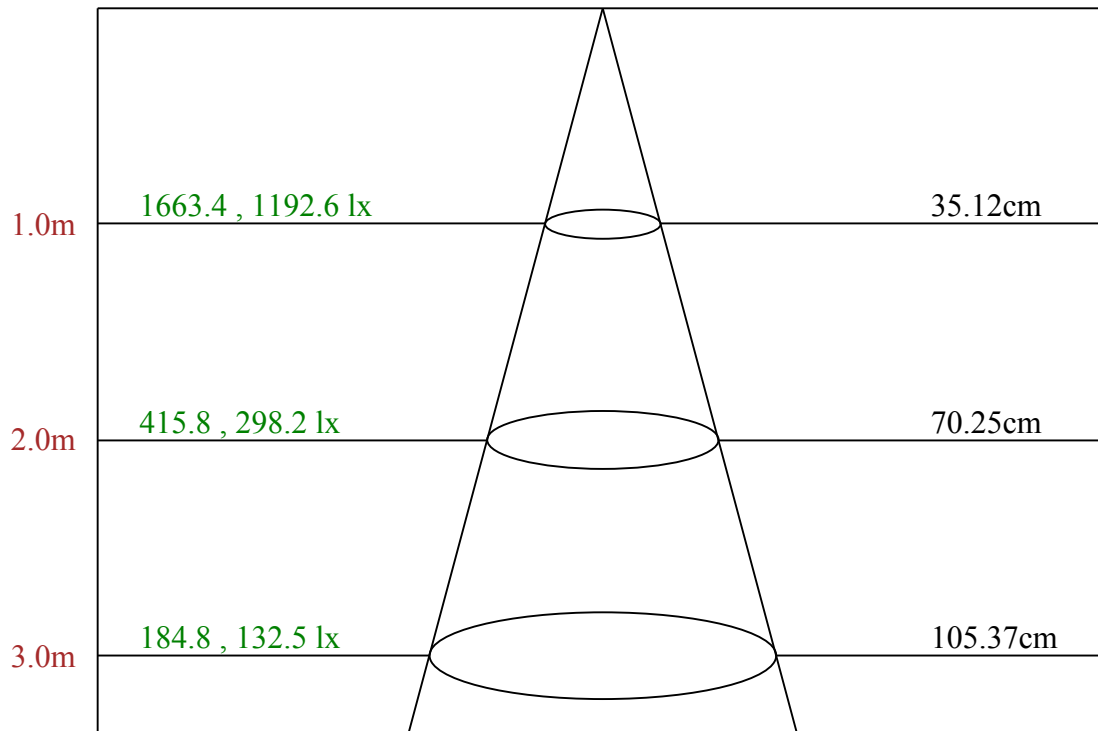
Average BeamAngle(IEC 61341): 19.92

Equipment: equipamento lumini
Temperature(°C): 25.5

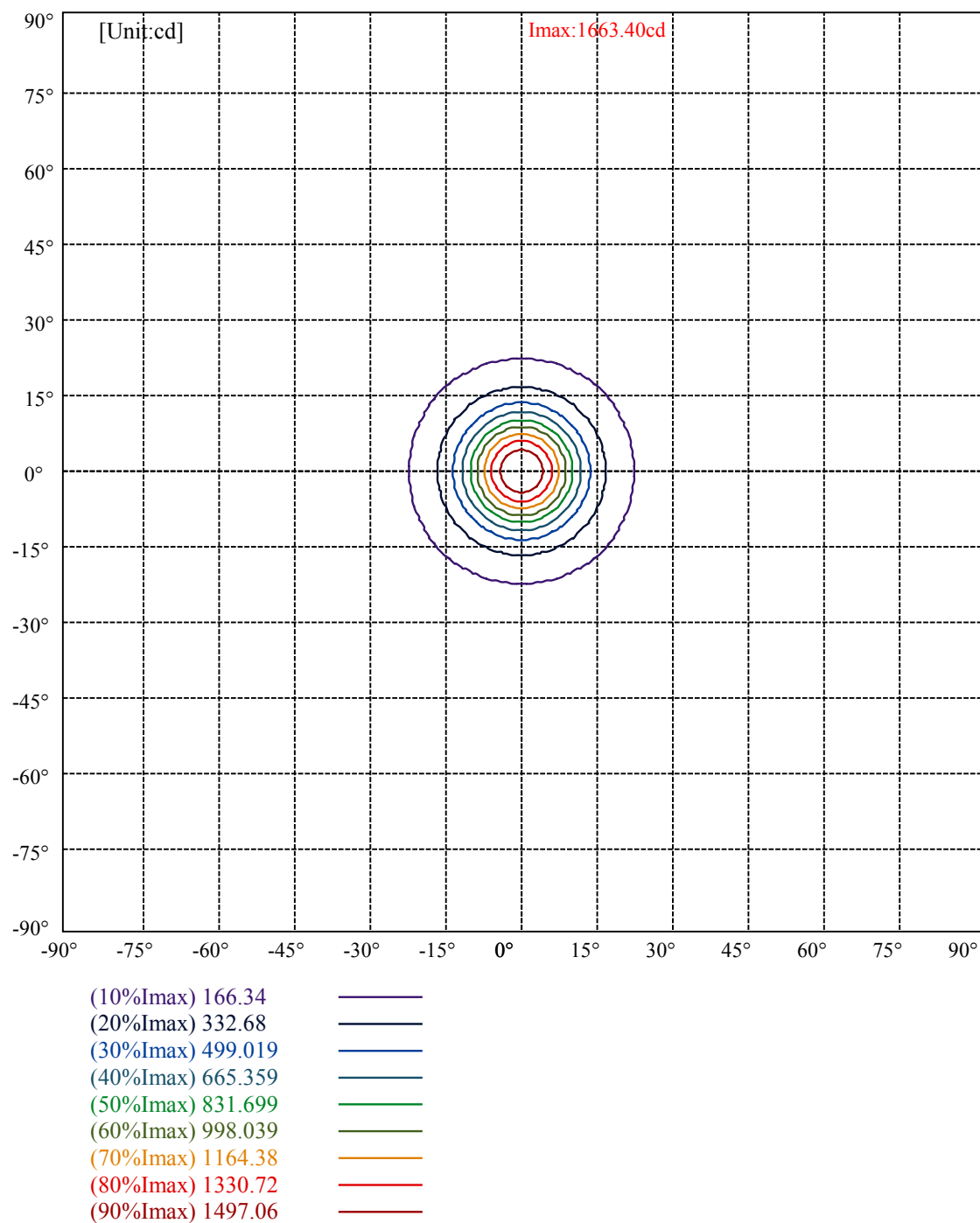
Date: 7/24/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 19.92



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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	4873	3157	1982	1476	1394	1479	1748	2570	4916
C45	4873	3157	1982	1476	1394	1479	1748	2570	4916
C90	4873	3157	1982	1476	1394	1479	1748	2570	4916

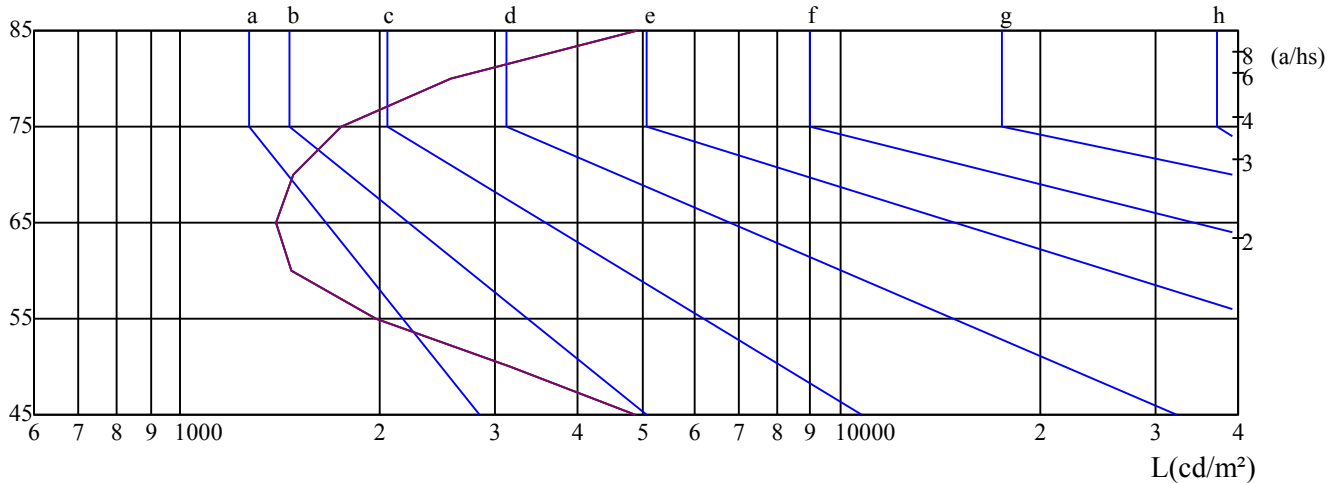
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1394	1394	1394	1748	1748	1748	4916	4916	4916

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	9.82	10.75	10.19	11.06	11.38	9.27	10.20	9.64	10.51	10.83
	3H	10.14	10.96	10.53	11.30	11.65	9.34	10.17	9.73	10.50	10.85
	4H	10.33	11.09	10.73	11.45	11.82	9.53	10.29	9.93	10.65	11.01
	6H	10.66	11.36	11.08	11.74	12.14	9.98	10.68	10.40	11.05	11.45
	8H	10.90	11.56	11.32	11.95	12.36	10.34	11.00	10.76	11.39	11.80
	12H	11.31	11.94	11.74	12.34	12.76	10.85	11.48	11.28	11.88	12.30
4H	2H	9.63	10.39	10.03	10.74	11.11	9.10	9.86	9.50	10.22	10.58
	3H	10.05	10.69	10.48	11.09	11.51	9.28	9.92	9.70	10.31	10.73
	4H	10.42	10.97	10.86	11.40	11.85	9.66	10.21	10.10	10.64	11.09
	6H	10.93	11.42	11.41	11.87	12.33	10.35	10.83	10.82	11.29	11.74
	8H	11.35	11.80	11.84	12.26	12.74	10.92	11.37	11.41	11.83	12.31
	12H	12.02	12.43	12.51	12.89	13.41	11.70	12.11	12.19	12.57	13.09
8H	4H	10.45	10.90	10.94	11.36	11.84	9.76	10.21	10.25	10.67	11.15
	6H	11.21	11.57	11.71	12.05	12.57	10.72	11.09	11.23	11.57	12.08
	8H	11.87	12.18	12.41	12.70	13.20	11.57	11.87	12.10	12.40	12.89
	12H	12.82	13.06	13.37	13.58	14.10	12.62	12.85	13.17	13.37	13.90
12H	4H	10.48	10.90	10.97	11.35	11.87	9.80	10.22	10.30	10.67	11.19
	6H	11.37	11.68	11.91	12.20	12.70	10.91	11.22	11.45	11.74	12.24
	8H	12.12	12.35	12.66	12.87	13.39	11.84	12.07	12.38	12.59	13.11
Variation with the observer position at spacings:											
S = 1.0H		3.7/-3.4					3.7/-3.4				
S = 1.5H		5.2/-2.9					5.2/-2.9				
S = 2.0H		6.3/-2.4					6.3/-2.4				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.1					-6.1				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini frame darklight 8 serie 2 e fm

LampCAT: modulo led 3W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0330

Number of Lamps: 1

Power (W): 4.1000

Lamp flux(lm): 395.0

PF: 0.9600

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 333.03, Efficiency(%): 84.31% , Luminous Efficacy(lm/W): 81.23

Central intensity(cd): 1089.983, Maximum intensity(cd): 1089.983

Angle of maximum intensity: C=0.0 γ =0.0

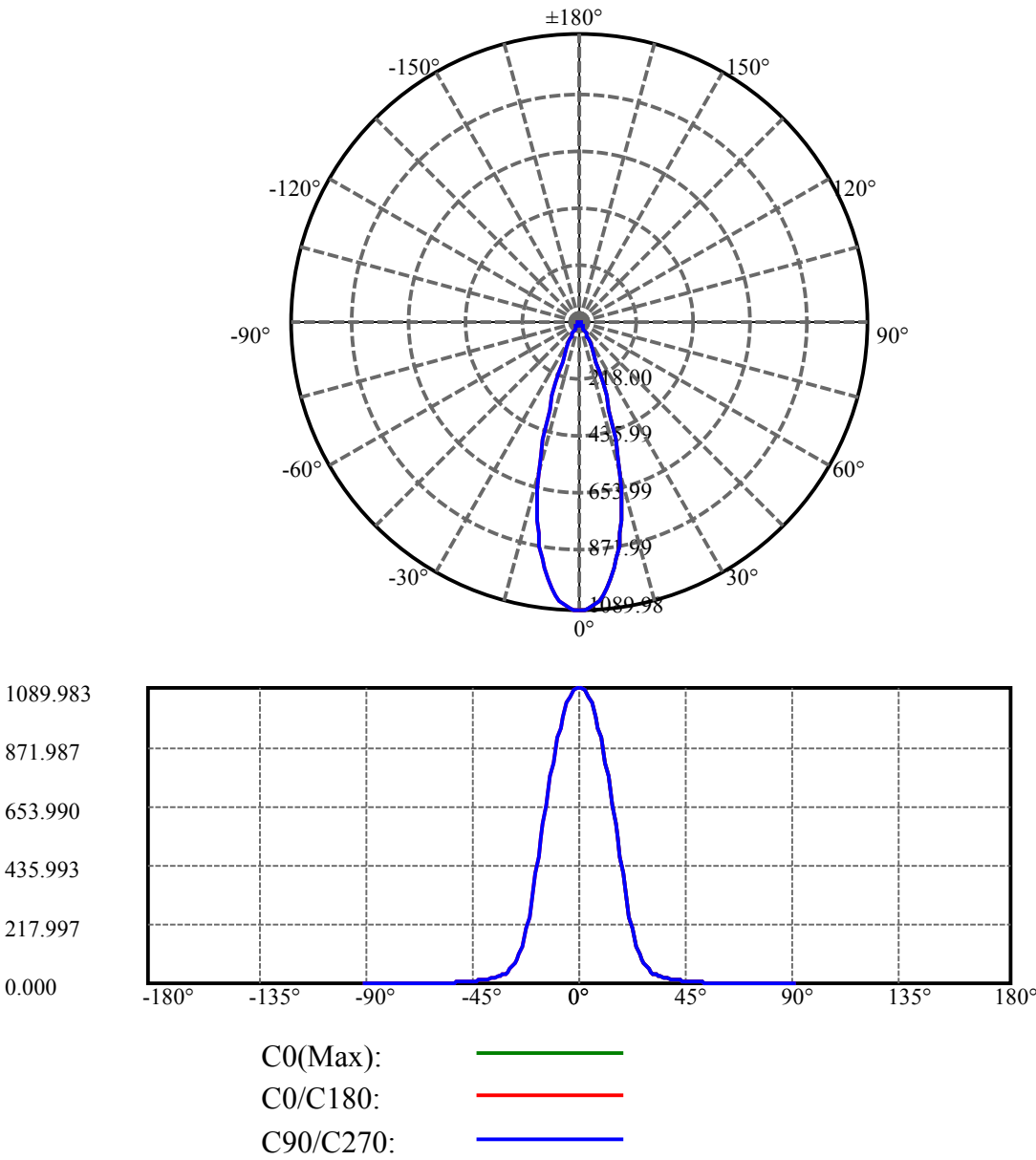
Beam angle of C0 plane : 31.56

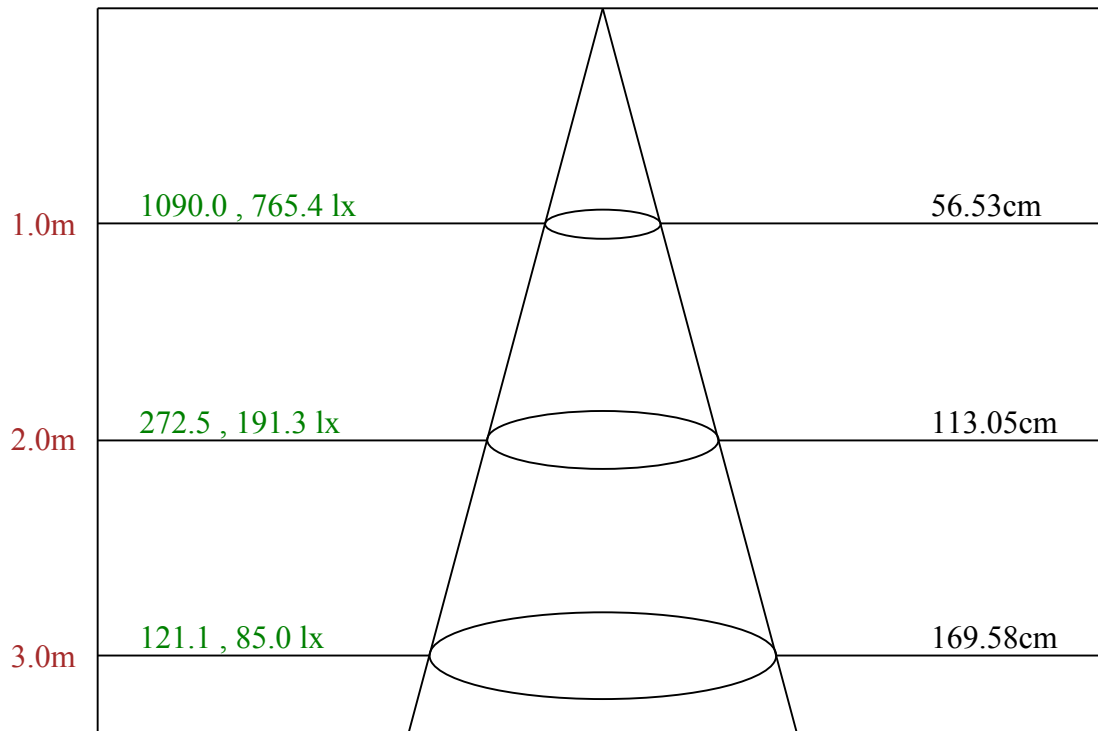
Aveage BeamAngle(IEC 61341):31.56

Equipment: equipamento lumini
Temperature(°C): 25.5

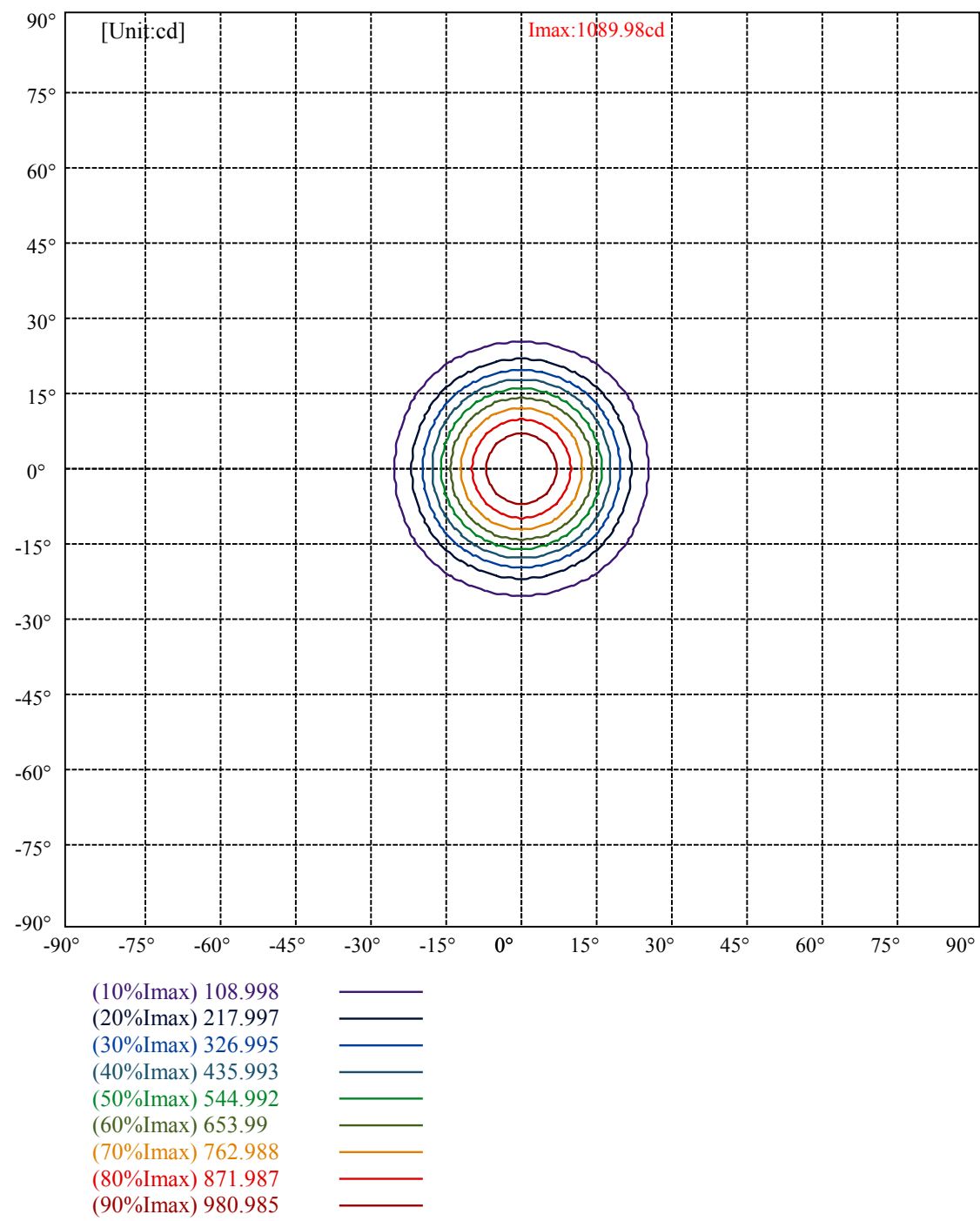
Date: 7/24/2024
Humidity(%): 55.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 31.56



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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	5252	3296	1992	1476	1465	1601	1931	2879	5736
C45	5252	3296	1992	1476	1465	1601	1931	2879	5736
C90	5252	3296	1992	1476	1465	1601	1931	2879	5736

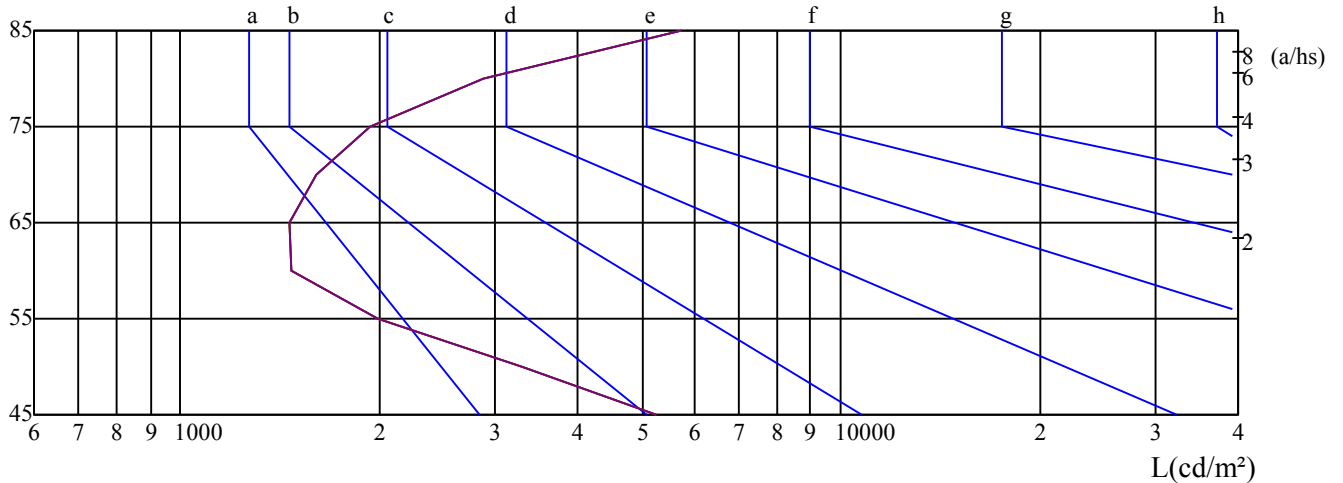
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1465	1465	1465	1931	1931	1931	5736	5736	5736

Glare Table

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

Luminance Limiting Curve

$\gamma(^{\circ})$



C0 ———

C45 ———

C90 ———

Equipment: equipamento lumini
Temperature($^{\circ}$ C): 25.5

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

Operator: 01
Distance(m): 6.90

Illumination assessment according UGR											
Rf of Ceiling	70	70	50	50	30	70	70	50	50	30	
Rf of Wall	50	30	50	30	30	50	30	50	30	30	
Rf of Floor	20	20	20	20	20	20	20	20	20	20	
Room dimensions		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	9.04	9.97	9.40	10.28	10.59	9.04	9.97	9.40	10.28	10.59
	3H	9.25	10.08	9.64	10.41	10.76	9.25	10.08	9.64	10.41	10.76
	4H	9.51	10.28	9.92	10.63	11.00	9.51	10.28	9.92	10.63	11.00
	6H	10.04	10.74	10.46	11.12	11.52	10.04	10.74	10.46	11.12	11.52
	8H	10.45	11.11	10.87	11.50	11.91	10.45	11.11	10.87	11.50	11.91
	12H	11.05	11.68	11.48	12.07	12.49	11.05	11.68	11.48	12.07	12.49
4H	2H	8.89	9.66	9.30	10.01	10.38	8.89	9.66	9.30	10.01	10.38
	3H	9.25	9.89	9.68	10.29	10.71	9.25	9.89	9.68	10.29	10.71
	4H	9.73	10.29	10.17	10.71	11.16	9.73	10.29	10.17	10.71	11.16
	6H	10.51	11.00	10.98	11.45	11.90	10.51	11.00	10.98	11.45	11.90
	8H	11.14	11.59	11.63	12.05	12.52	11.14	11.59	11.63	12.05	12.52
	12H	12.00	12.42	12.49	12.87	13.39	12.00	12.42	12.49	12.87	13.39
8H	4H	9.87	10.32	10.35	10.78	11.25	9.87	10.32	10.35	10.78	11.25
	6H	10.93	11.30	11.44	11.78	12.29	10.93	11.30	11.44	11.78	12.29
	8H	11.84	12.14	12.37	12.67	13.17	11.84	12.14	12.37	12.67	13.17
	12H	12.99	13.22	13.54	13.74	14.27	12.99	13.22	13.54	13.74	14.27
12H	4H	9.92	10.34	10.41	10.79	11.31	9.92	10.34	10.41	10.79	11.31
	6H	11.15	11.45	11.68	11.98	12.47	11.15	11.45	11.68	11.98	12.47
	8H	12.13	12.36	12.67	12.88	13.41	12.13	12.36	12.67	12.88	13.41
Variation with the observer position at spacings:											
S = 1.0H		2.9/-2.9					2.9/-2.9				
S = 1.5H		4.1/-2.4					4.1/-2.4				
S = 2.0H		4.9/-2.0					4.9/-2.0				
Standard tables:		BK4					BK4				
Uncorrected UGR		-6.3					-6.3				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini frame darklight 8 serie 2 e fa

LampCAT: modulo led 3W 30K irc 90

Ballast type: led driver 350mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.0330

Number of Lamps: 1

Power (W): 4.1000

Lamp flux(lm): 395.0

PF: 0.9700

Length(mm): 80

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 281.82, Efficiency(%): 71.35% , Luminous Efficacy(lm/W): 68.74

Central intensity(cd): 484.575, Maximum intensity(cd): 484.575

Angle of maximum intensity: C=0.0 γ =0.0

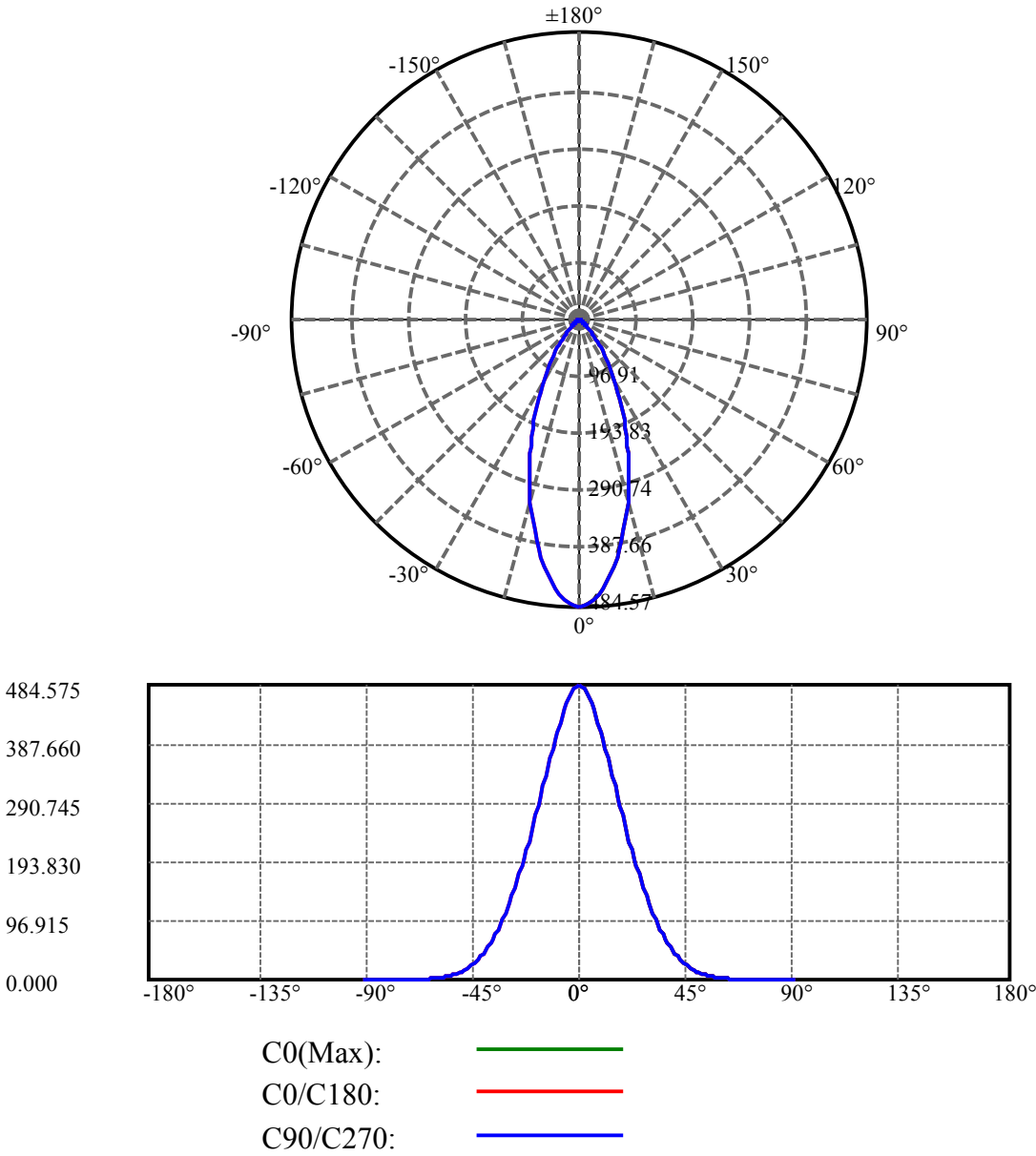
Beam angle of C0 plane : 39.79

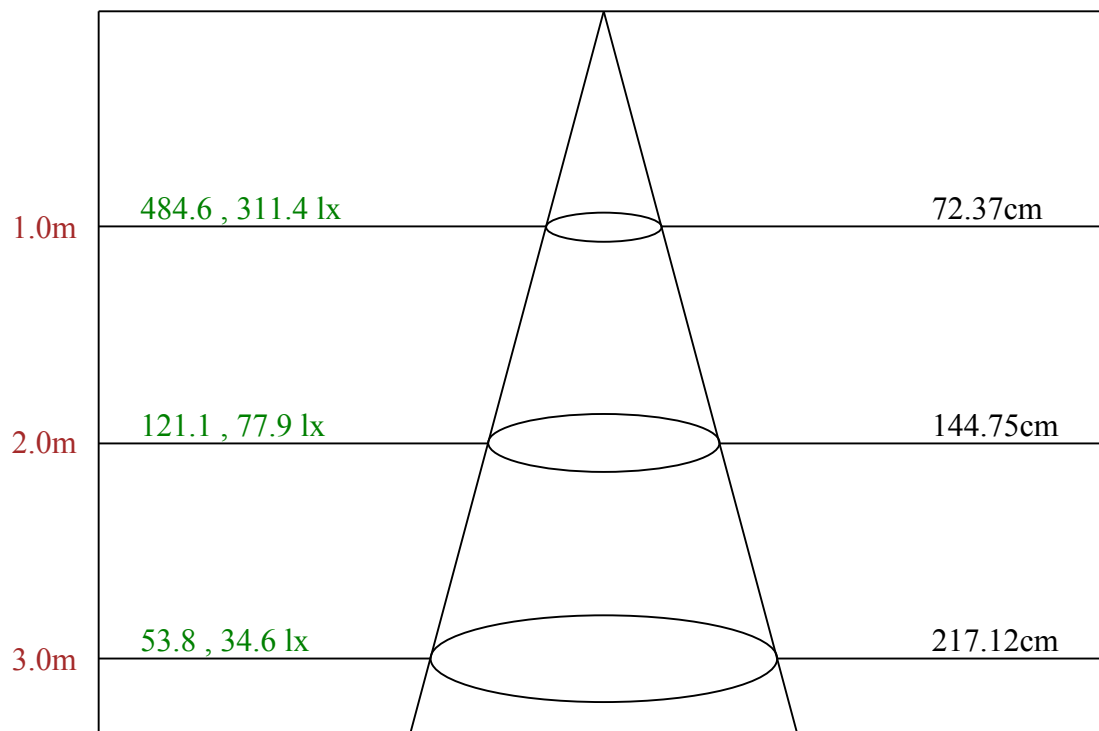
Aveage BeamAngle(IEC 61341):39.79

Equipment: equipamento lumini
Temperature(°C): 25.5

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

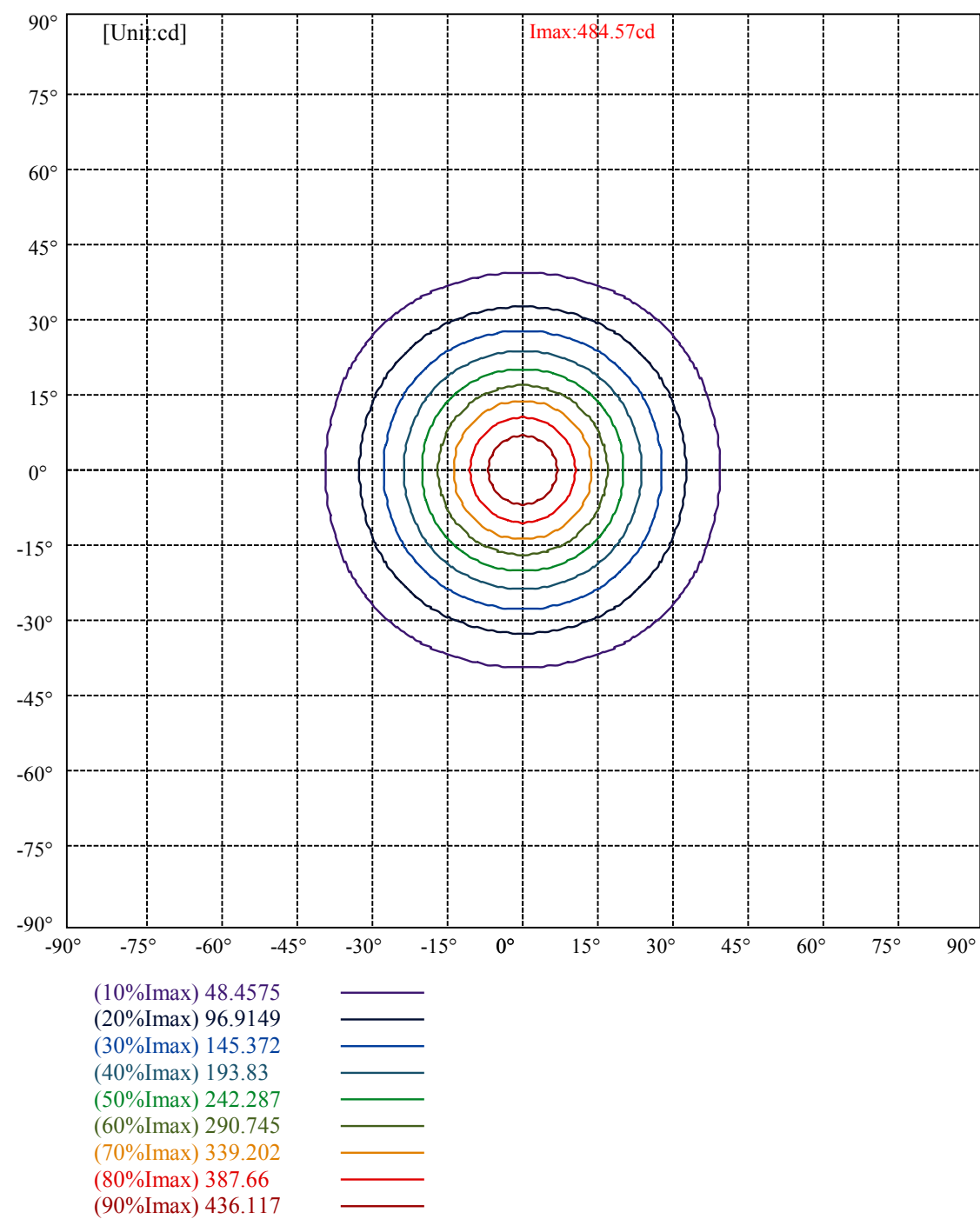
Operator: 01
Distance(m): 6.90





Max , Ave

Beam angle of C0 plane 39.79



Luminance Table

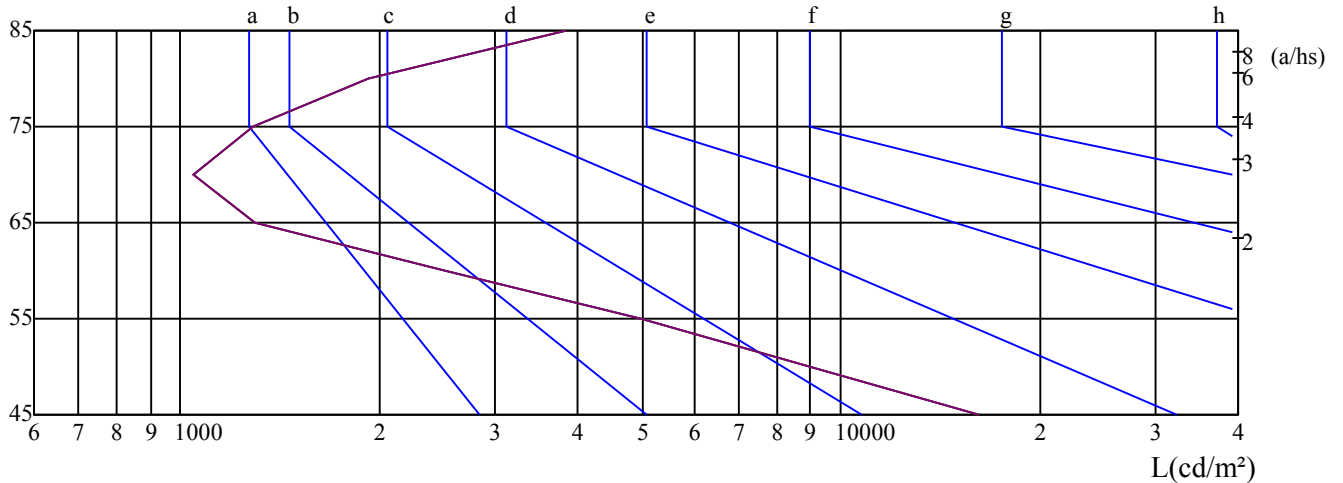
γ	45	50	55	60	65	70	75	80	85
C0	16193	8962	4980	2523	1296	1044	1288	1919	3824
C45	16193	8962	4980	2523	1296	1044	1288	1919	3824
C90	16193	8962	4980	2523	1296	1044	1288	1919	3824

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1296	1296	1296	1288	1288	1288	3824	3824	3824

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	17.29	18.30	17.65	18.61	18.92	17.29	18.30	17.65	18.61	18.92
	3H	17.11	18.00	17.50	18.34	18.69	17.11	18.00	17.50	18.34	18.69
	4H	17.03	17.85	17.43	18.21	18.57	17.03	17.85	17.43	18.21	18.57
	6H	16.98	17.73	17.40	18.11	18.51	16.98	17.73	17.40	18.11	18.51
	8H	16.94	17.66	17.36	18.04	18.45	16.94	17.66	17.36	18.04	18.45
	12H	16.93	17.61	17.35	18.00	18.42	16.93	17.61	17.35	18.00	18.42
4H	2H	17.02	17.85	17.42	18.20	18.57	17.02	17.85	17.42	18.20	18.57
	3H	16.82	17.51	17.24	17.90	18.32	16.82	17.51	17.24	17.90	18.32
	4H	16.78	17.37	17.21	17.79	18.24	16.78	17.37	17.21	17.79	18.24
	6H	16.70	17.23	17.18	17.68	18.13	16.70	17.23	17.18	17.68	18.13
	8H	16.71	17.19	17.19	17.65	18.13	16.71	17.19	17.19	17.65	18.13
	12H	16.76	17.21	17.25	17.66	18.18	16.76	17.21	17.25	17.66	18.18
8H	4H	16.60	17.08	17.08	17.54	18.01	16.60	17.08	17.08	17.54	18.01
	6H	16.54	16.94	17.05	17.42	17.93	16.54	16.94	17.05	17.42	17.93
	8H	16.63	16.97	17.17	17.49	17.99	16.63	16.97	17.17	17.49	17.99
	12H	16.76	17.02	17.30	17.54	18.06	16.76	17.02	17.30	17.54	18.06
12H	4H	16.55	17.00	17.04	17.45	17.97	16.55	17.00	17.04	17.45	17.97
	6H	16.55	16.89	17.08	17.41	17.91	16.55	16.89	17.08	17.41	17.91
	8H	16.62	16.89	17.17	17.40	17.93	16.62	16.89	17.17	17.40	17.93
Variation with the observer position at spacings:											
S = 1.0H		3.7/-6.7					3.7/-6.7				
S = 1.5H		6.3/-9.4					6.3/-9.4				
S = 2.0H		8.2/-8.8					8.2/-8.8				
Standard tables:		BK0					BK0				
Uncorrected UGR		-1.5					-1.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: no frame led darklight 17 serie 3 e fc

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.1090

Number of Lamps: 1

Power (W): 13.5910

Lamp flux(lm): 1290.0

PF: 0.9860

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1093.58, Efficiency(%): 84.77% , Luminous Efficacy(lm/W): 80.46

Central intensity(cd): 6200.429, Maximum intensity(cd): 6200.429

Angle of maximum intensity: C=0.0 γ =0.0

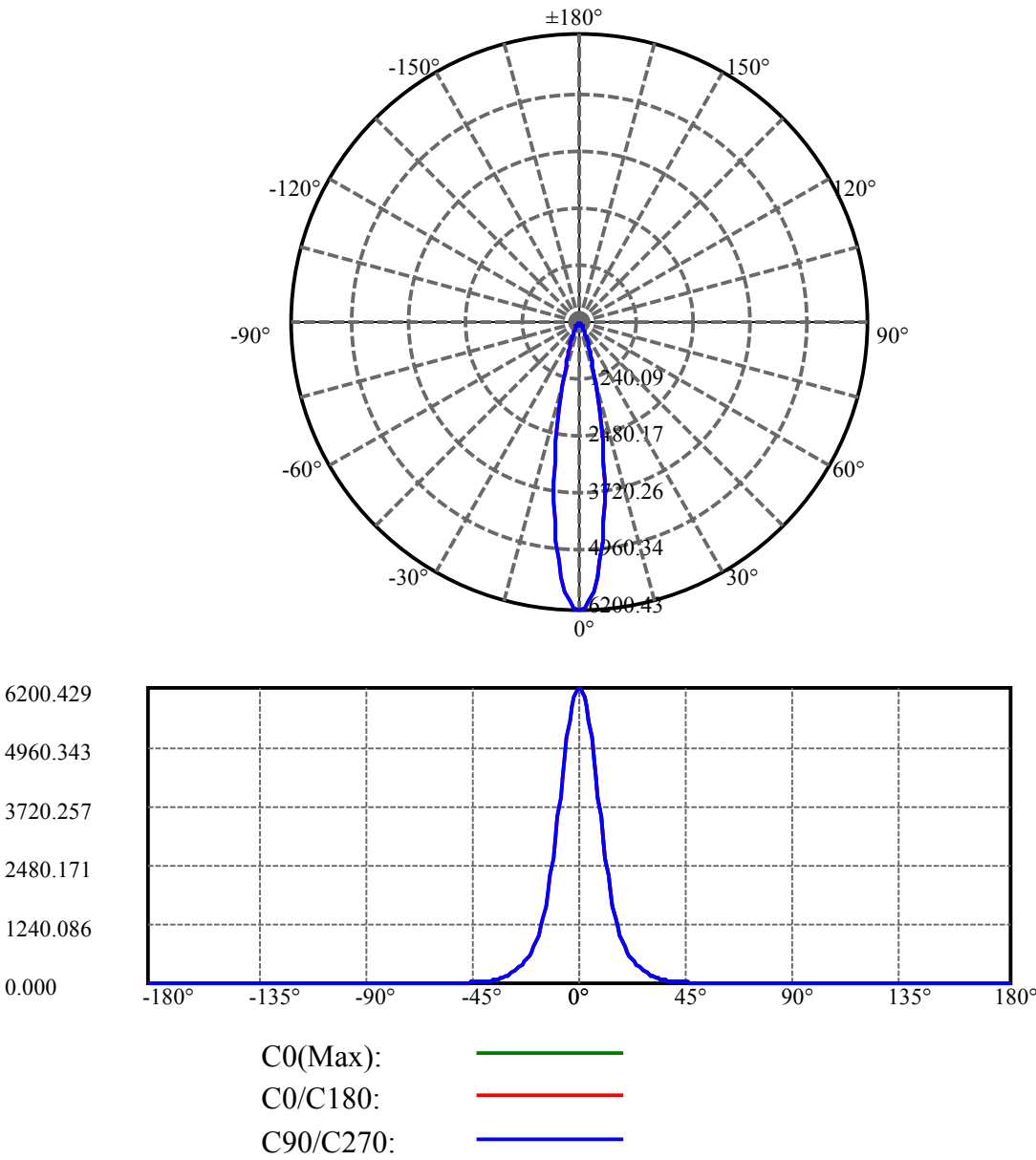
Beam angle of C0 plane : 19.73

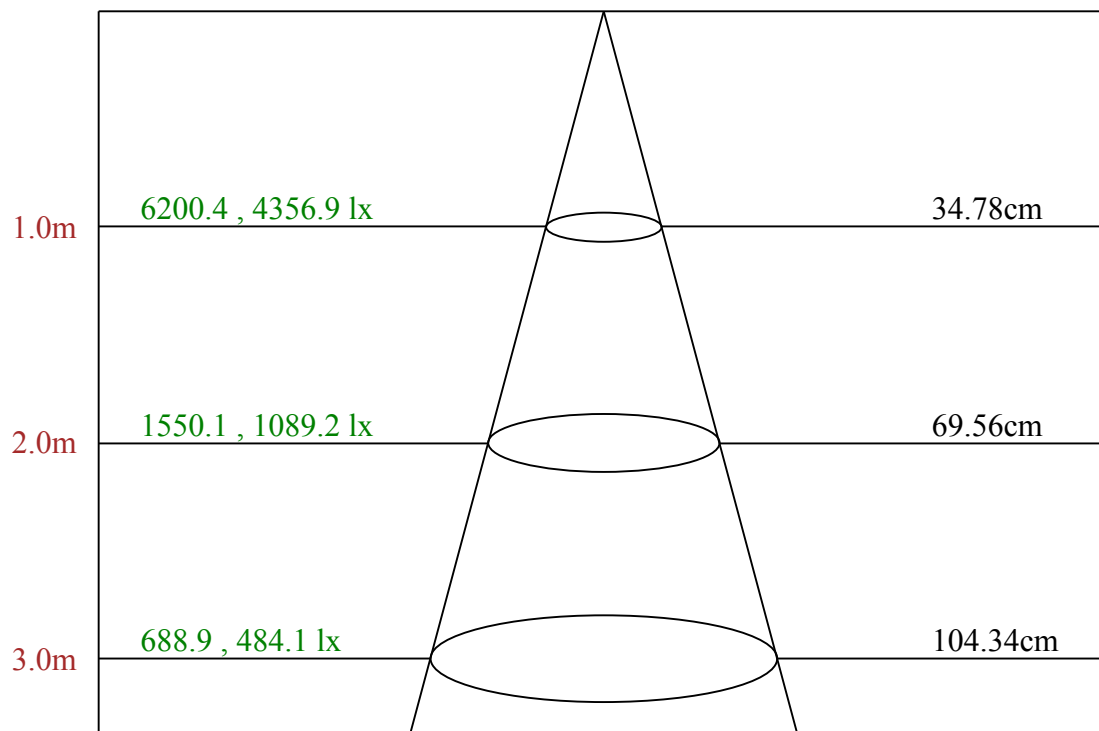
Aveage BeamAngle(IEC 61341):19.73

Equipment: equipamento lumini
Temperature(°C): 26.3

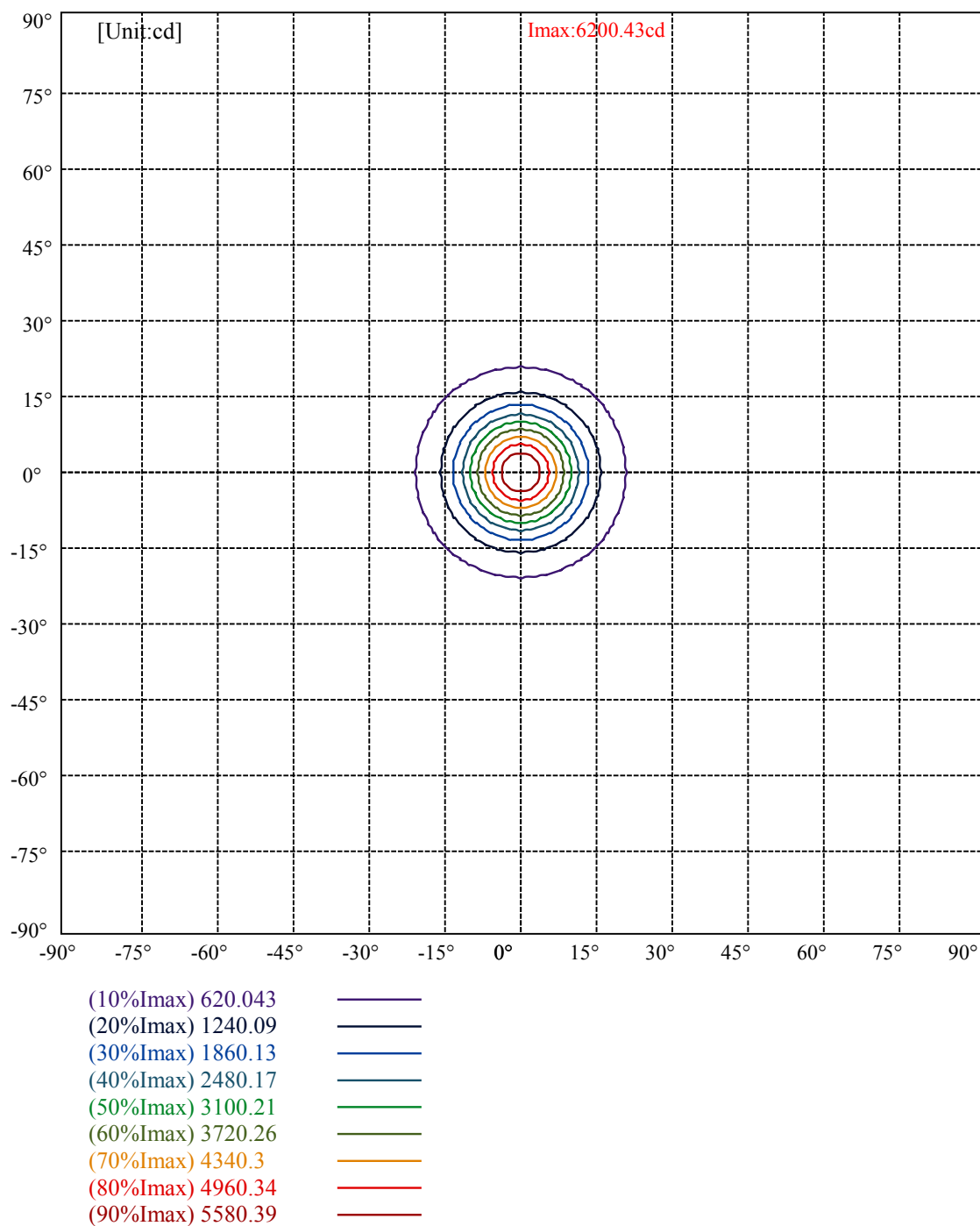
Date: 12/02/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 19.73



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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	7430	4805	3237	2157	1943	2245	2972	4438	8843
C45	7430	4805	3237	2157	1943	2245	2972	4438	8843
C90	7430	4805	3237	2157	1943	2245	2972	4438	8843

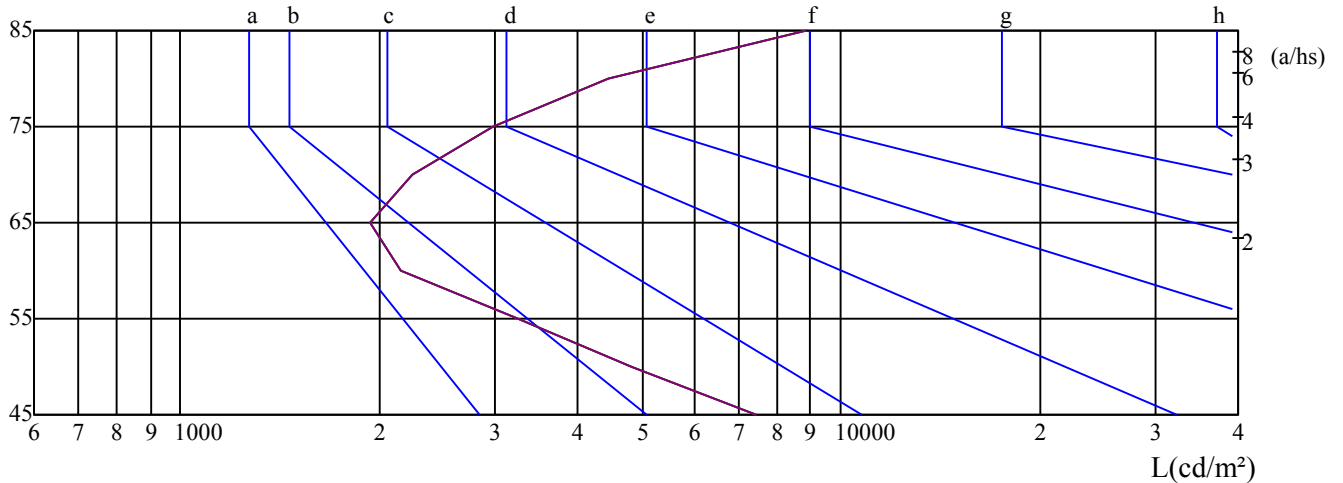
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1943	1943	1943	2972	2972	2972	8843	8843	8843

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): 26.3

Date: 12/02/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90



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LumCAT:

Luminaire: no frame led darklight 17 serie 3 e fm

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0100

Test No:

Current(A): 0.1090

Number of Lamps: 1

Power (W): 13.5840

Lamp flux(lm): 1290.0

PF: 0.9860

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1125.85, Efficiency(%): 87.27% , Luminous Efficacy(lm/W): 82.88

Central intensity(cd): 3783.828, Maximum intensity(cd): 3783.828

Angle of maximum intensity: C=0.0 γ =0.0

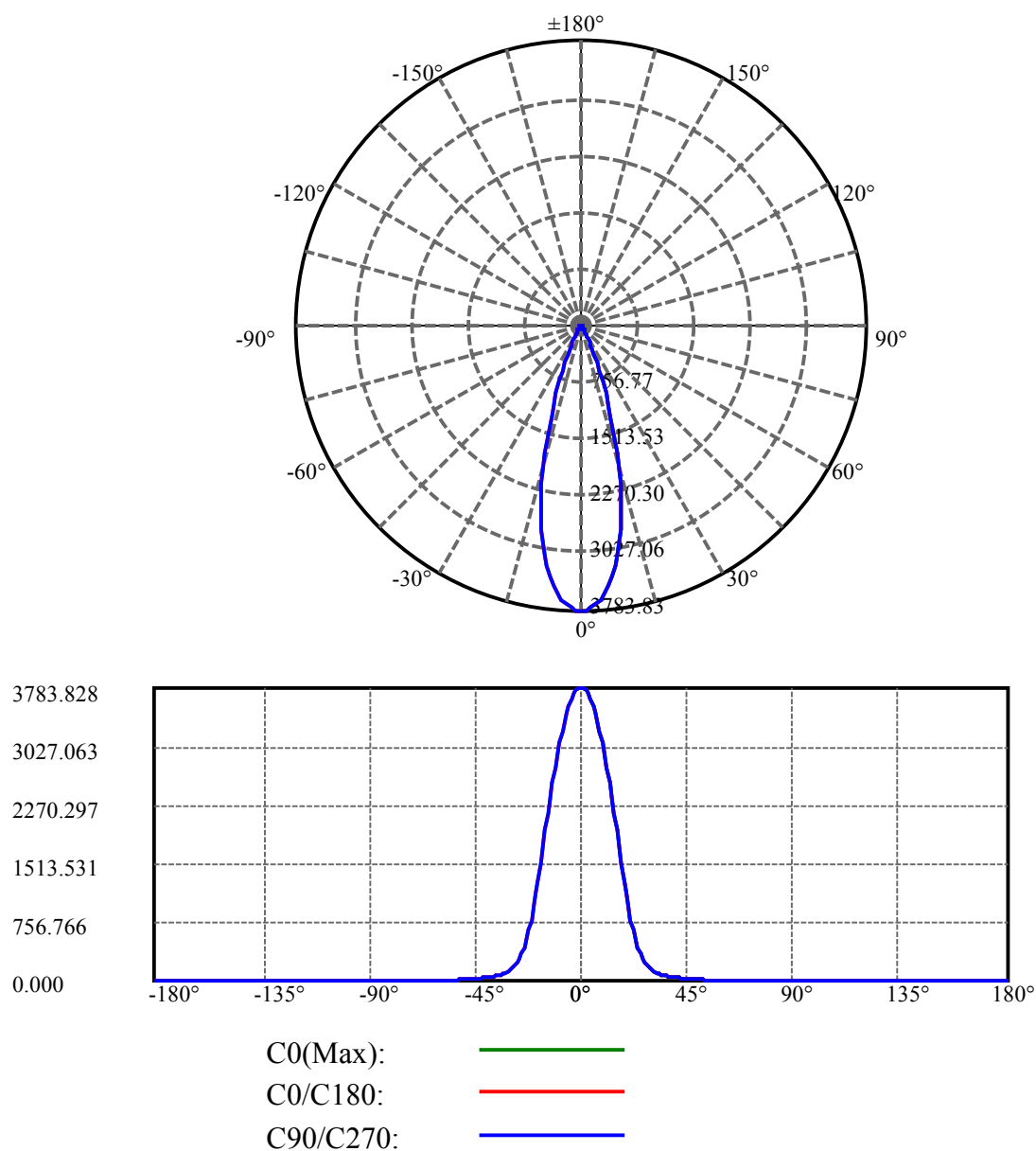
Beam angle of C0 plane : 30.66

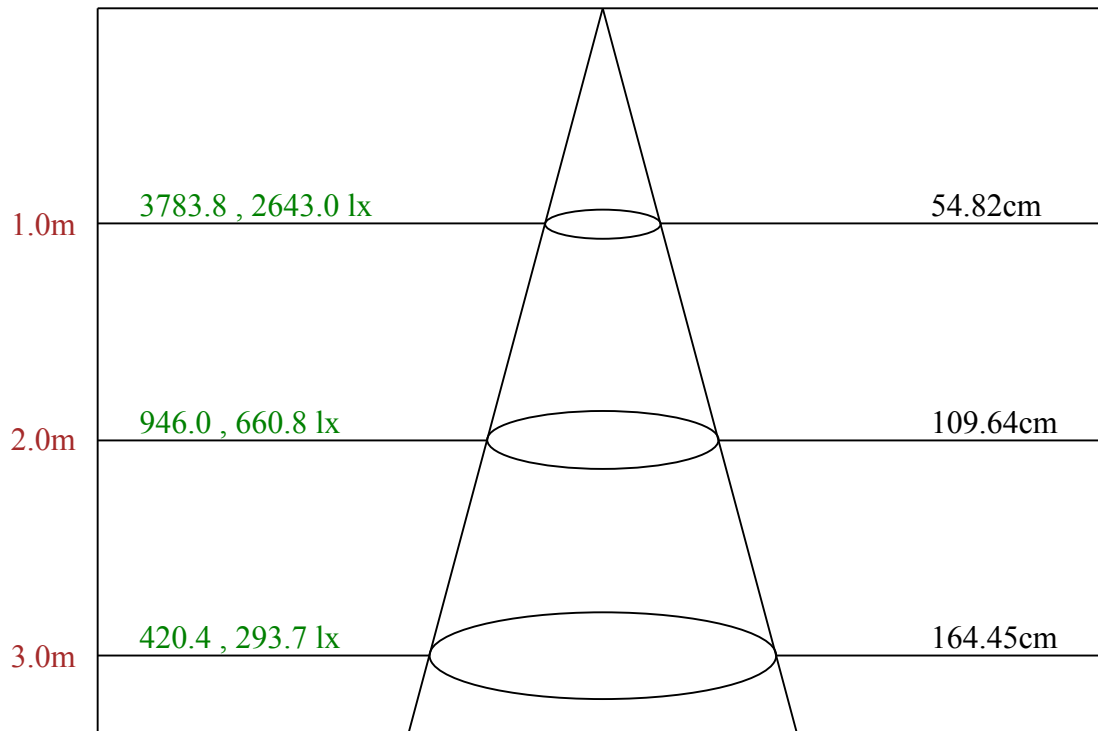
Aveage BeamAngle(IEC 61341):30.66

Equipment: equipamento lumini
Temperature(°C): 26.3

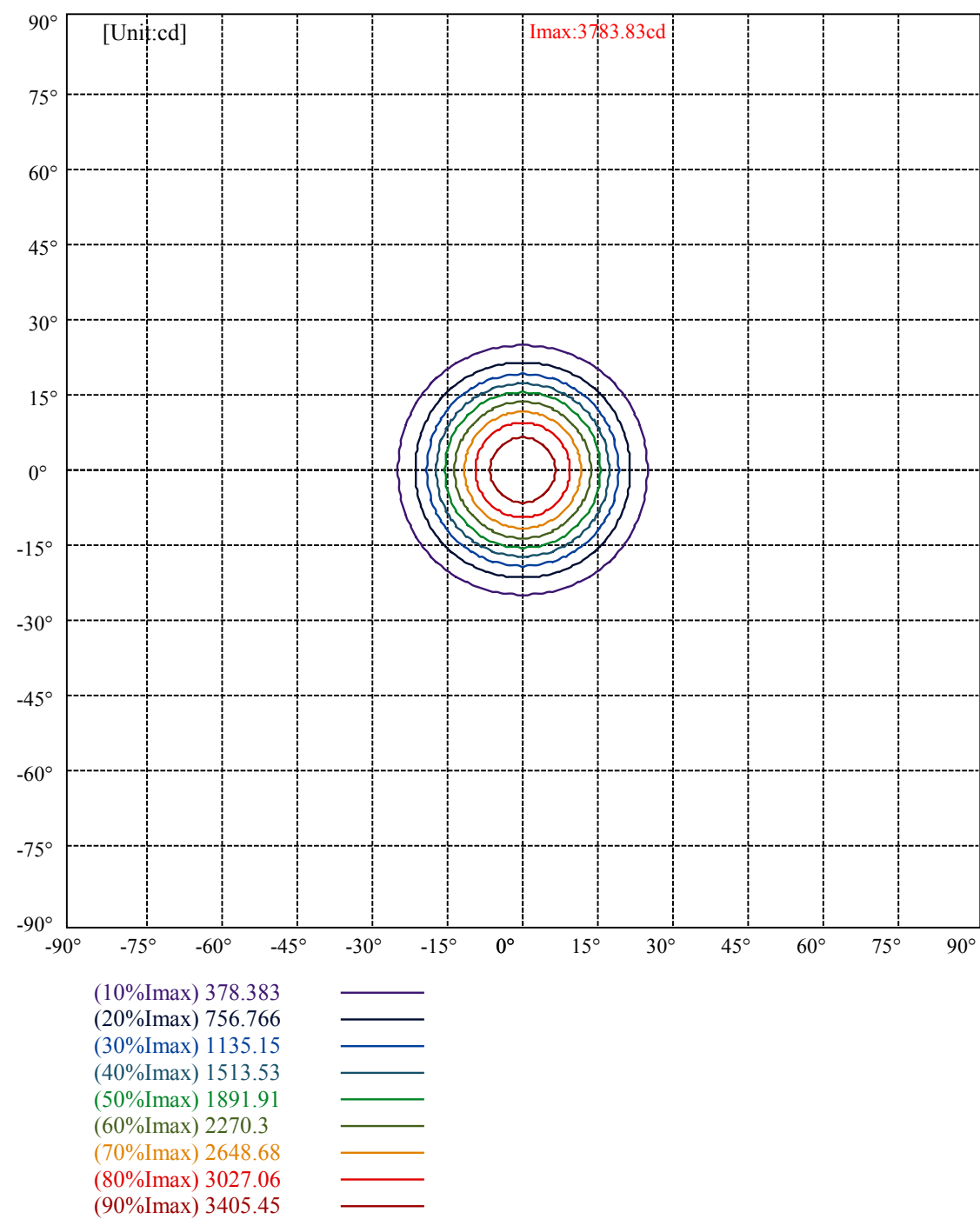
Date: 12/02/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 30.66



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:5

Luminance Table

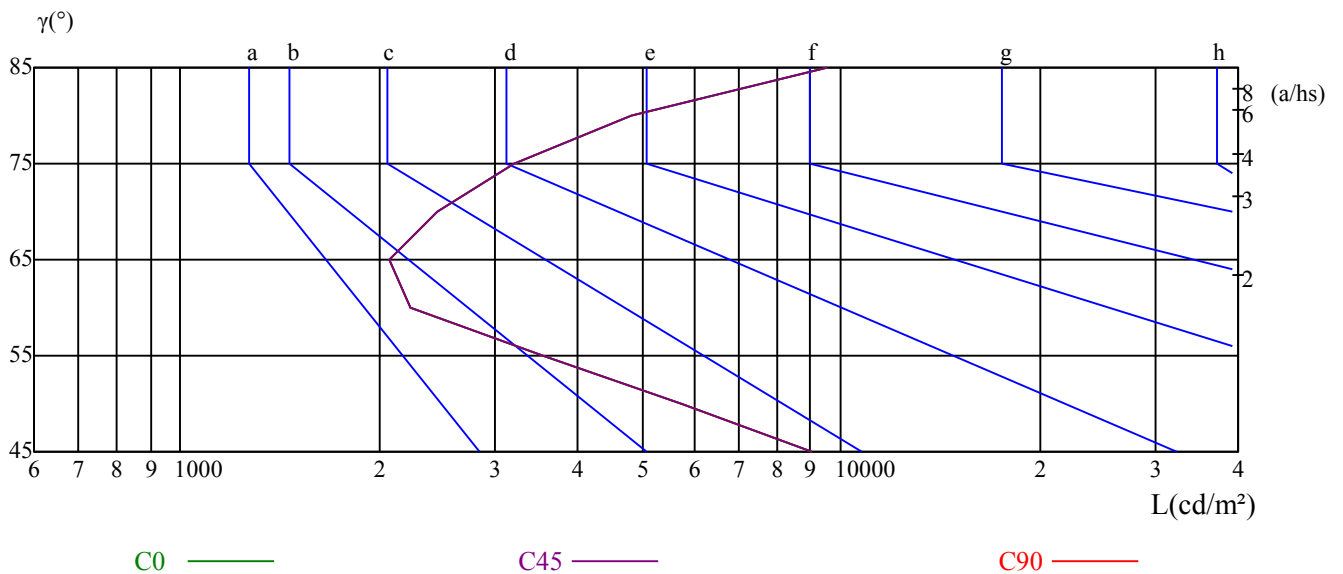
γ	45	50	55	60	65	70	75	80	85
C0	9014	5724	3533	2226	2074	2449	3208	4815	9543
C45	9014	5724	3533	2226	2074	2449	3208	4815	9543
C90	9014	5724	3533	2226	2074	2449	3208	4815	9543

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
2074	2074	2074	3208	3208	3208	9543	9543	9543

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(°C): 26.3

Date: 12/02/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90



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LumCAT:

Luminaire: no frame led darklight 17 serie 3 e fa

LampCAT: modulo led 12W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0000

Test No:

Current(A): 0.1090

Number of Lamps: 1

Power (W): 13.5820

Lamp flux(lm): 1290.0

PF: 0.9850

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 979.94, Efficiency(%): 75.96% , Luminous Efficacy(lm/W): 72.15

Central intensity(cd): 1261.046, Maximum intensity(cd): 1261.451

Angle of maximum intensity: C=0.0 γ =2.0

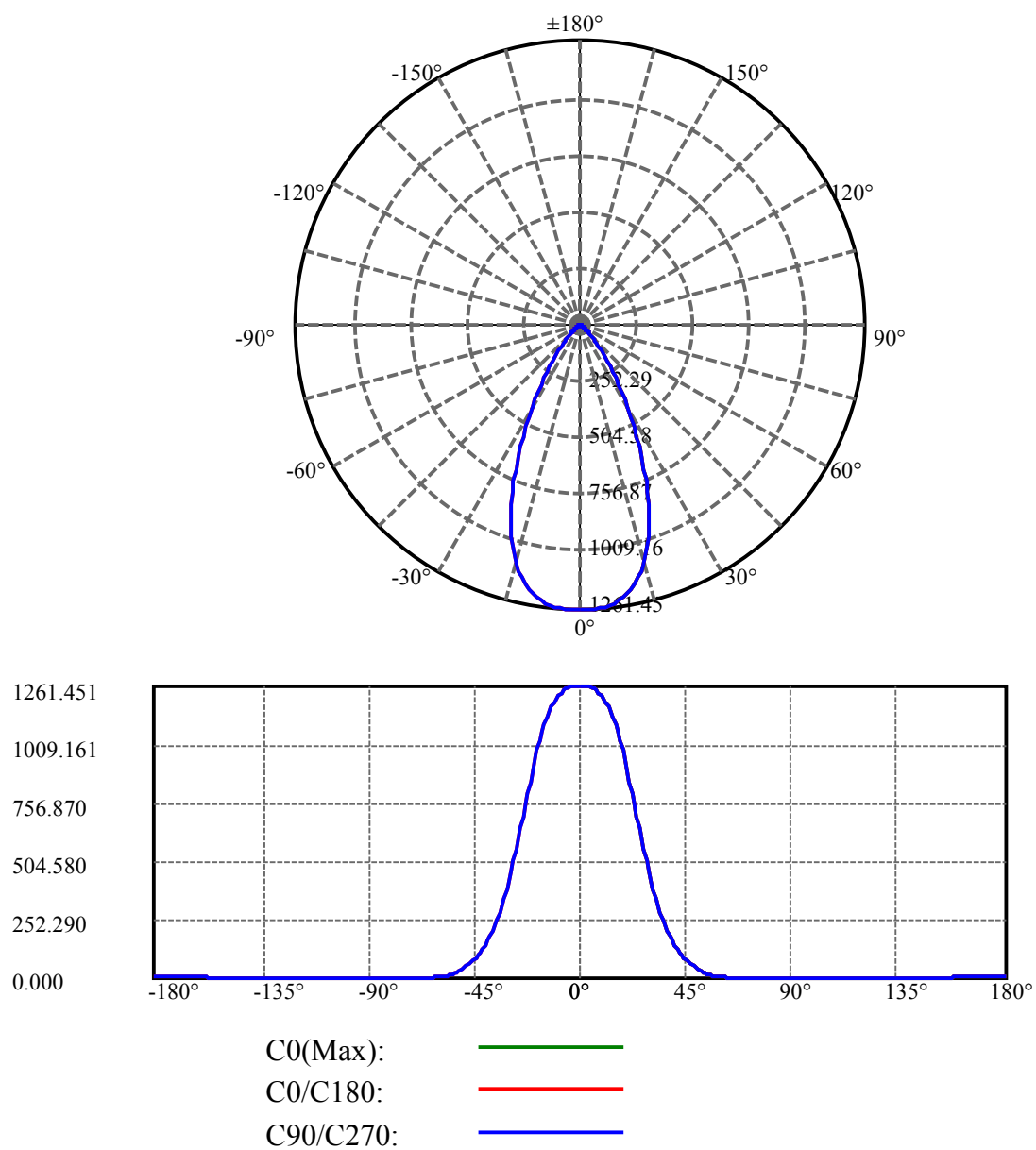
Beam angle of C0 plane : 50.83

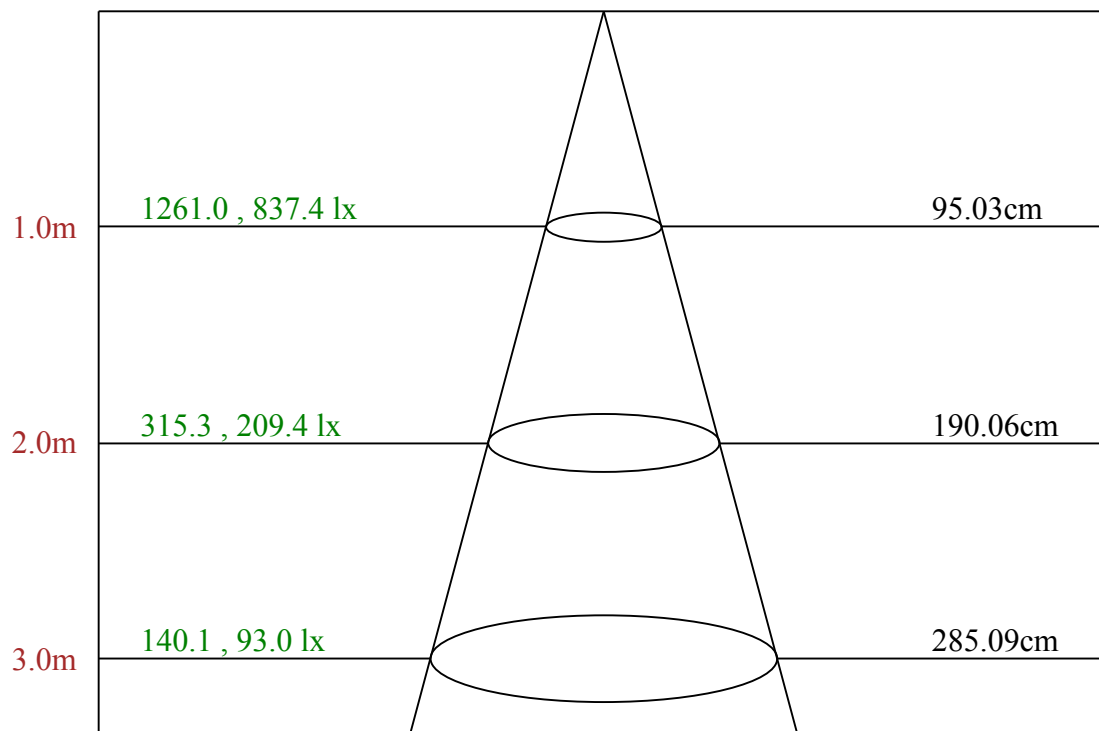
Aveage BeamAngle(IEC 61341):50.83

Equipment: equipamento lumini
Temperature(°C): 26.3

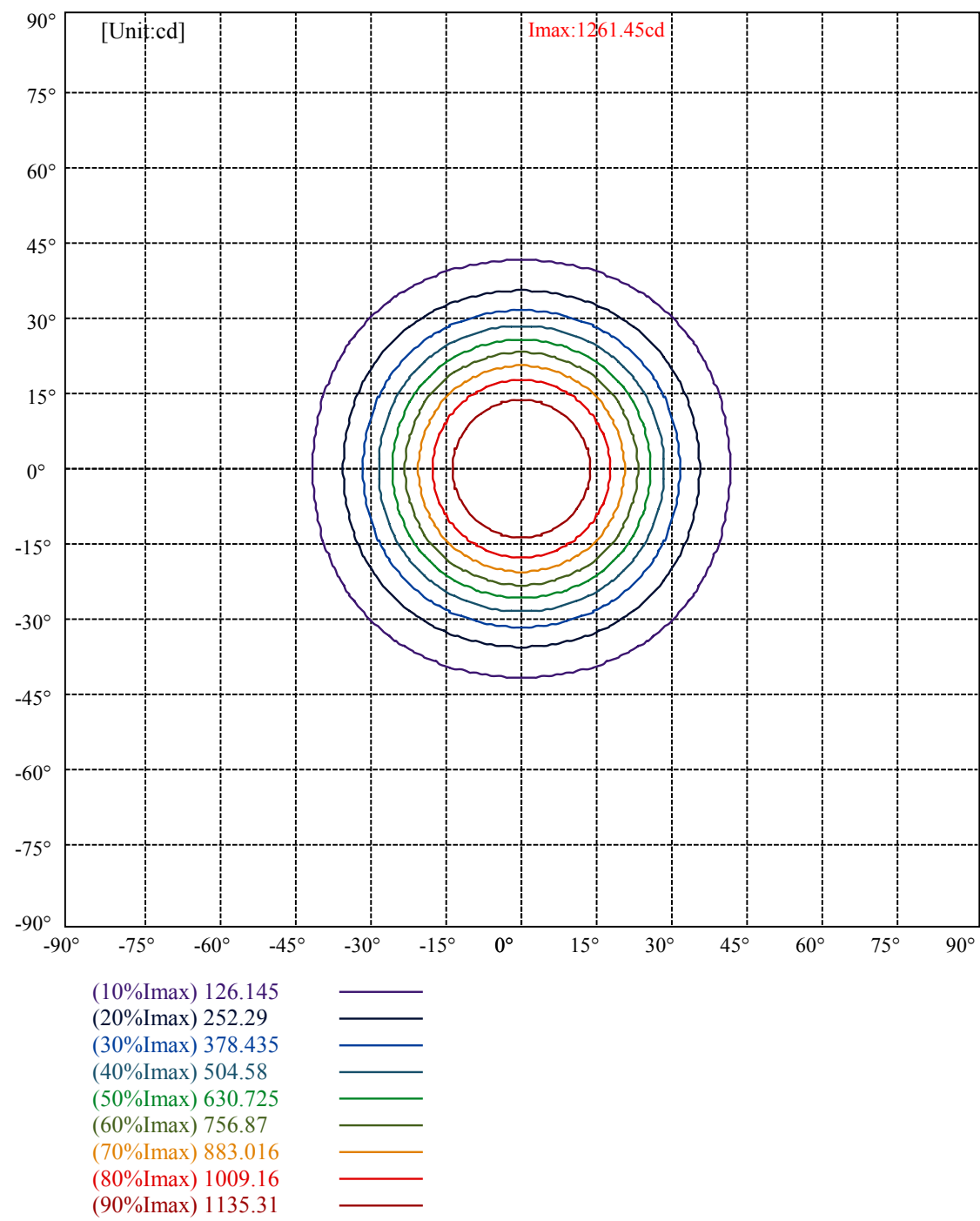
Date: 12/02/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 50.83



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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	27128	14779	6057	2345	1486	1705	2225	3316	6623
C45	27128	14779	6057	2345	1486	1705	2225	3316	6623
C90	27128	14779	6057	2345	1486	1705	2225	3316	6623

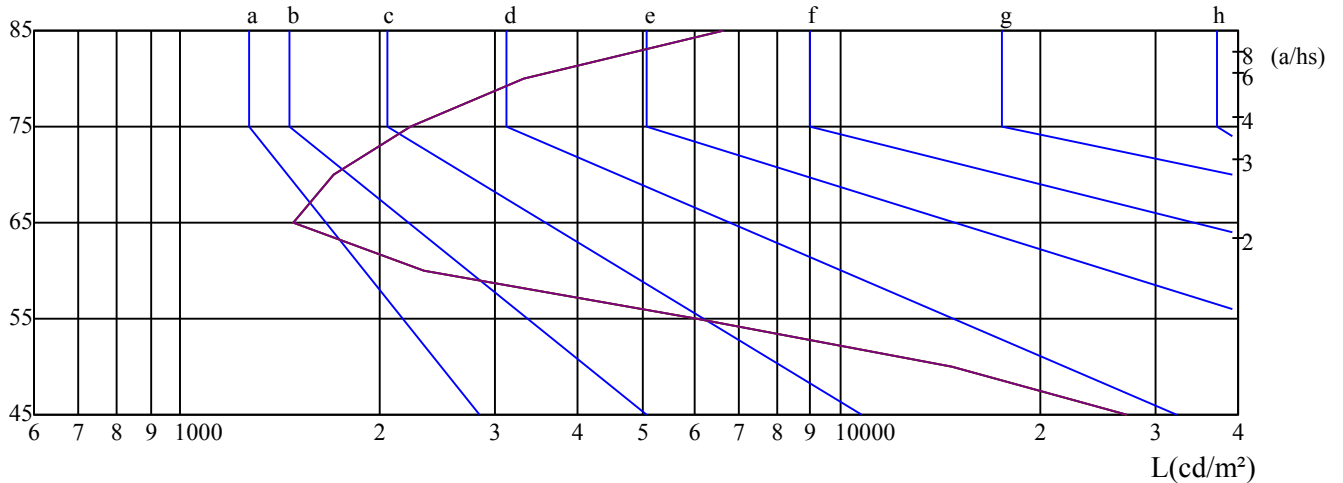
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1486	1486	1486	2225	2225	2225	6623	6623	6623

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 ———

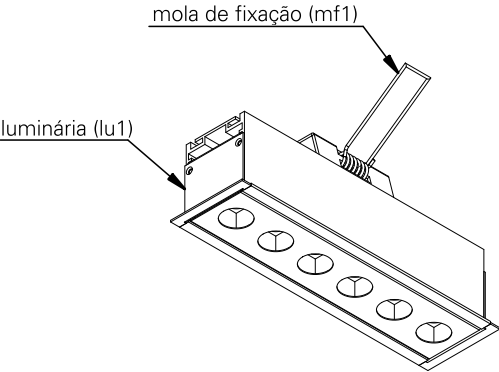
Equipment: equipamento lumini
Temperature($^{\circ}$ C): 26.3

Date: 12/02/2025
Humidity(%): 57.0%

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

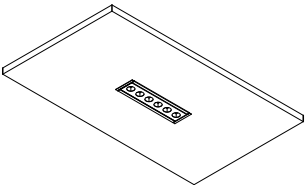
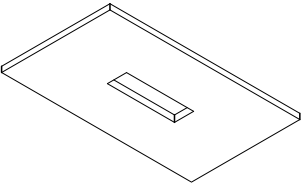
para a instalação, lave as mãos e seque as mãos, use luvas descartáveis.

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

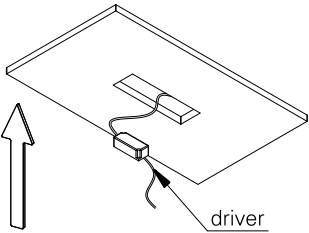
retire a luminária da embalagem com cuidado e apoie-o em uma superfície limpa e seca.

instalação passo a passo

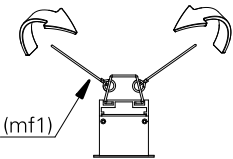
1. faça um nicho no forro conforme a tabela abaixo:
xmc mini frame led concentra 8 s2 - nicho = 91x41
mini frame darklight 8 serie 2 e - nicho = 91x41
mini frame darklight 17 serie 3 e - nicho = 173x41
mini frame darklight 34 serie 2 e - nicho = 332x41
mini frame darklight 50 serie 2 e - nicho = 494x41



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.

