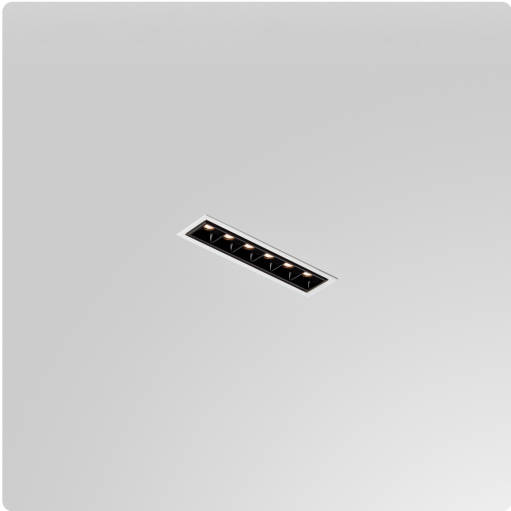




mini frame darklight 17 e

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

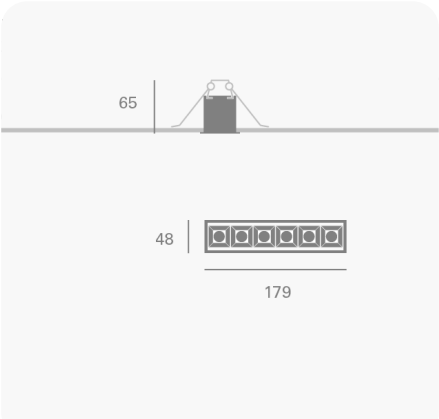
potência (W), facho, temperatura de cor (K),
fluxo nominal (lm nominal), fluxo útil (lm útil)

W		K	lm nominal	lm útil
6	concentrado	2700		
6	médio	2700		
6	aberto	2700		
6	concentrado	3000	730	611
6	médio	3000	730	637
6	aberto	3000	730	565
6	concentrado	4000		
6	médio	4000		
6	aberto	4000		
12	concentrado	2700		
12	médio	2700		
12	aberto	2700		
12	concentrado	3000	1290	1094
12	médio	3000	1290	1126
12	aberto	3000	1290	980
12	concentrado	4000		
12	médio	4000		
12	aberto	4000		

equipamentos
LED driver 700mA (incluso, ponto remoto)

controle
on/off
dim fphase

instalação
forro de gesso
marcenaria



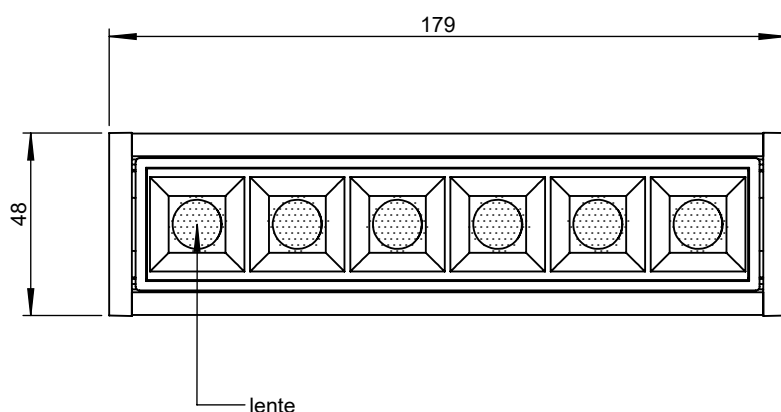
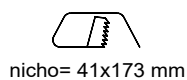
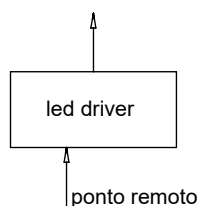
acabamentos e cores

cores



vista inferior

dimensões em milímetros



mini frame darklight 17 e sr3

folha
1/1

escala
1:2

data
27/11/2024

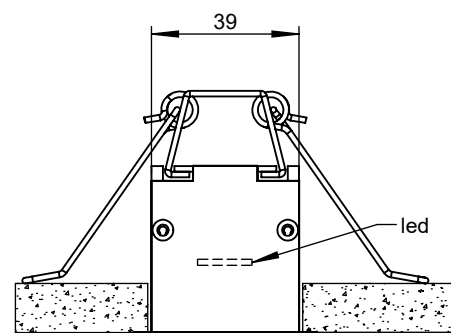
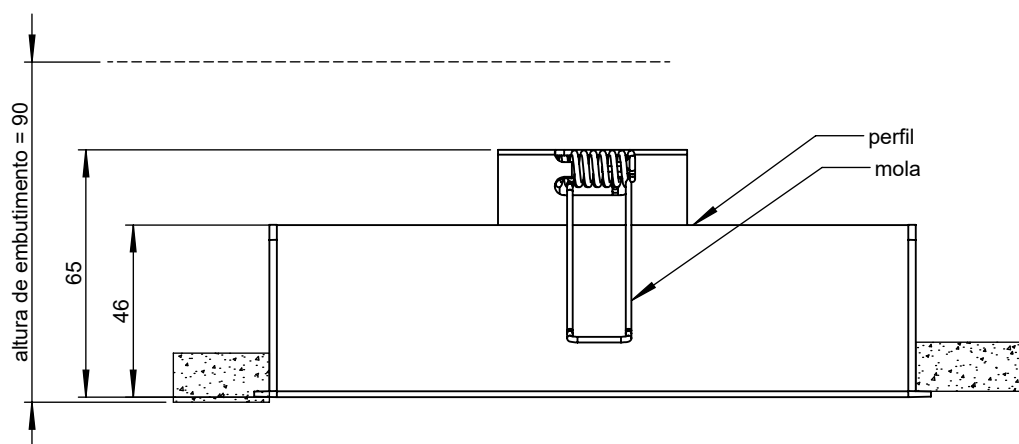
desenhista
joão v.

aprovação
ronaldo

revisões
27/11/2024

vista lateral

dimensões em milímetros



para maiores informações,
consulte a área técnica
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LumCAT:

Luminaire: mini frame darklight 17 serie 3 e fc

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0700

Test No:

Current(A): 0.1040

Number of Lamps: 1

Power (W): 7.5600

Lamp flux(lm): 730.0

PF: 0.5730

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 610.92, Efficiency(%): 83.69% , Luminous Efficacy(lm/W): 80.81

Central intensity(cd): 3366.420, Maximum intensity(cd): 3366.420

Angle of maximum intensity: C=0.0 γ =0.0

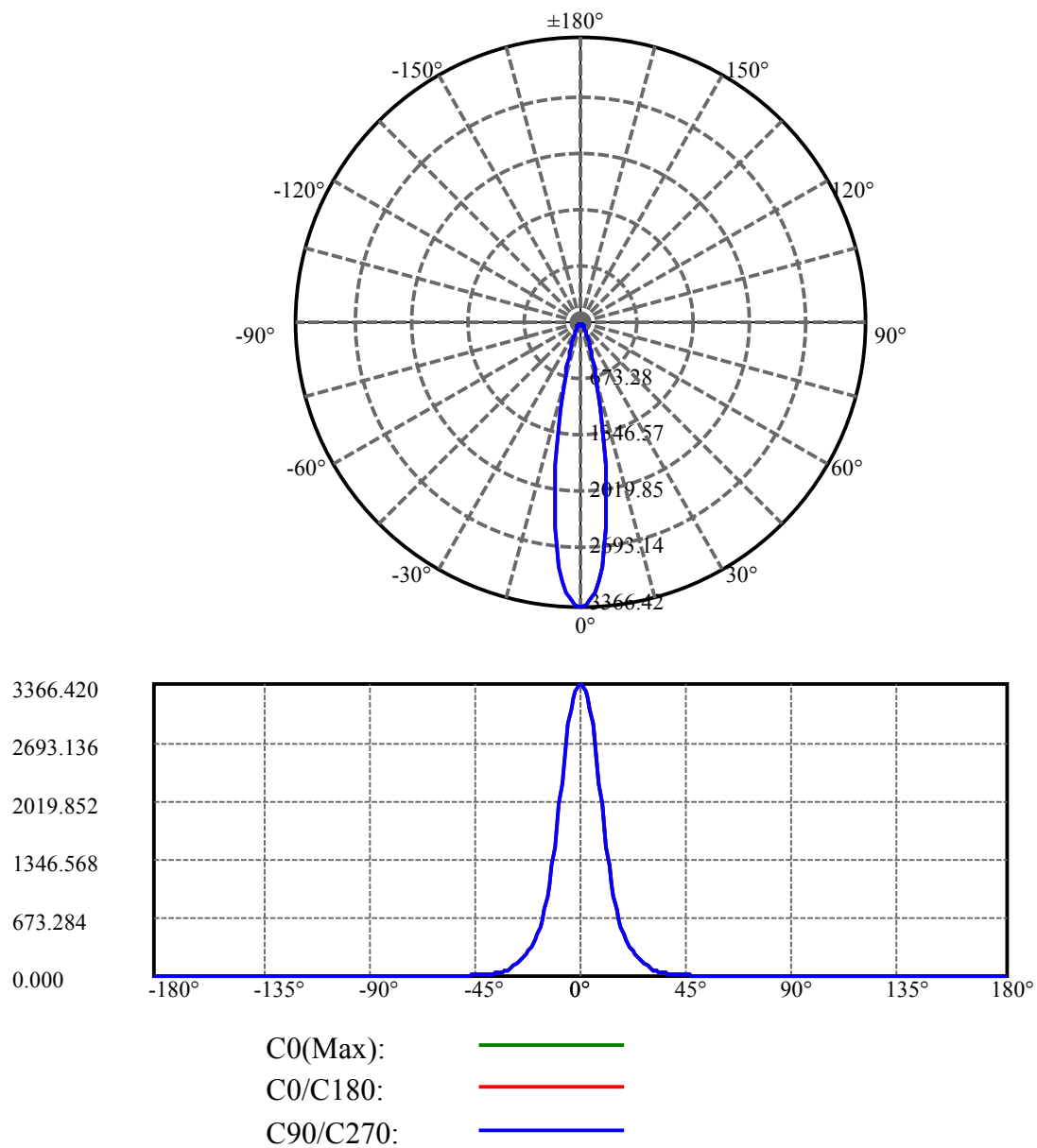
Beam angle of C0 plane : 20.37

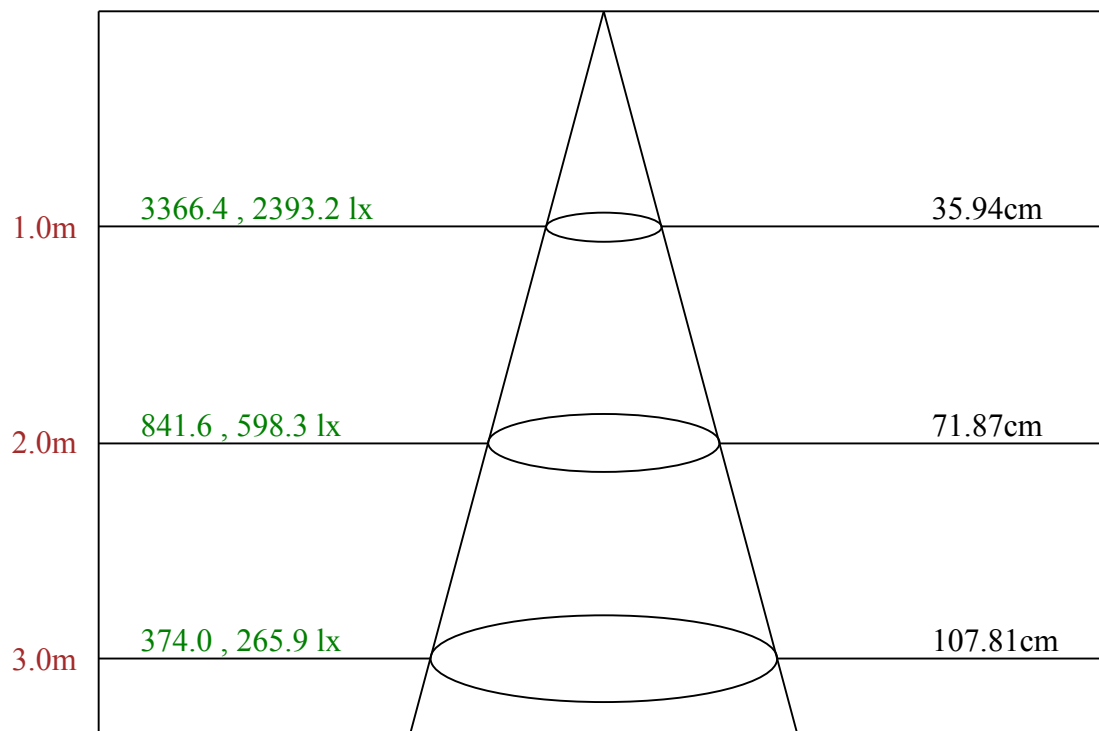
Aveage BeamAngle(IEC 61341):20.37

Equipment: equipamento lumini
Temperature(°C): 26.3

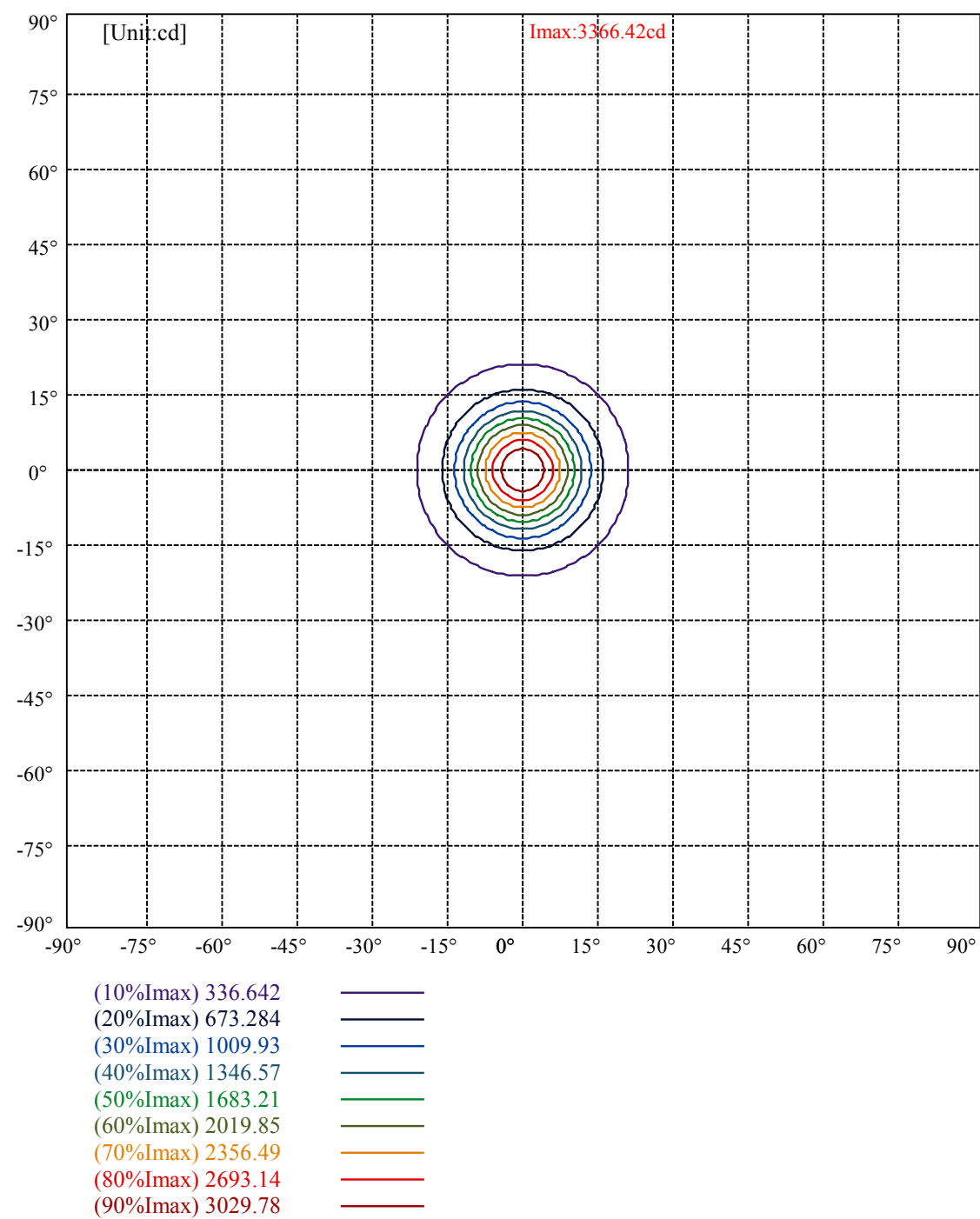
Date: 12/02/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 20.37



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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	4265	2849	1798	1318	1130	1305	1707	2545	5104
C45	4265	2849	1798	1318	1130	1305	1707	2545	5104
C90	4265	2849	1798	1318	1130	1305	1707	2545	5104

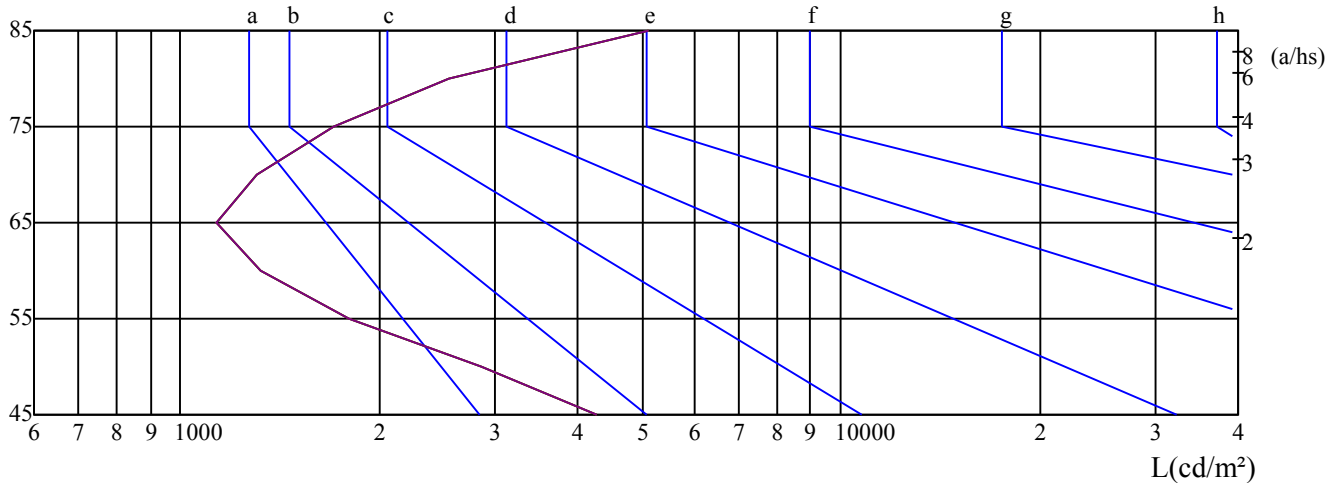
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1130	1130	1130	1707	1707	1707	5104	5104	5104

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

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	10.09	11.00	10.50	11.35	11.72	9.79	10.70	10.20	11.05	11.42
	3H	10.12	10.93	10.55	11.31	11.70	9.82	10.63	10.25	11.01	11.41
	4H	10.27	11.02	10.71	11.41	11.83	9.96	10.70	10.40	11.10	11.52
	6H	10.66	11.34	11.12	11.76	12.21	10.32	11.00	10.78	11.42	11.87
	8H	10.96	11.61	11.42	12.04	12.50	10.59	11.24	11.05	11.66	12.12
	12H	11.44	12.06	11.91	12.49	12.96	11.04	11.65	11.50	12.09	12.55
4H	2H	9.93	10.68	10.37	11.07	11.49	9.64	10.39	10.08	10.78	11.20
	3H	10.04	10.66	10.50	11.10	11.56	9.76	10.38	10.22	10.82	11.28
	4H	10.36	10.90	10.83	11.36	11.86	10.06	10.60	10.54	11.06	11.56
	6H	10.95	11.43	11.46	11.92	12.42	10.62	11.09	11.13	11.58	12.08
	8H	11.45	11.89	11.98	12.39	12.91	11.08	11.52	11.61	12.02	12.54
	12H	12.20	12.60	12.72	13.09	13.66	11.79	12.19	12.31	12.68	13.25
8H	4H	10.39	10.83	10.91	11.33	11.85	10.11	10.55	10.63	11.05	11.57
	6H	11.23	11.59	11.77	12.10	12.66	10.92	11.28	11.46	11.79	12.35
	8H	11.98	12.28	12.55	12.84	13.38	11.64	11.94	12.21	12.50	13.04
	12H	13.01	13.24	13.59	13.80	14.36	12.63	12.86	13.21	13.41	13.98
12H	4H	10.41	10.82	10.94	11.31	11.88	10.15	10.55	10.67	11.04	11.61
	6H	11.38	11.68	11.95	12.24	12.79	11.10	11.40	11.66	11.95	12.50
	8H	12.21	12.44	12.79	12.99	13.56	11.89	12.12	12.47	12.67	13.24
Variation with the observer position at spacings:											
S = 1.0H		3.4/-2.9					3.4/-2.9				
S = 1.5H		4.6/-2.4					4.6/-2.4				
S = 2.0H		5.4/-2.0					5.4/-2.0				
Standard tables:		BKBF					BKBF				
Uncorrected UGR		-4.4					-4.4				

依据CIE Publ. 117 计算 UGR, S/H = 0.25



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LumCAT:

Luminaire: mini frame darklight 17 serie 3 e fm

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0400

Test No:

Current(A): 0.1040

Number of Lamps: 1

Power (W): 7.5770

Lamp flux(lm): 730.0

PF: 0.5740

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 637.25, Efficiency(%): 87.29% , Luminous Efficacy(lm/W): 84.10

Central intensity(cd): 1904.424, Maximum intensity(cd): 1904.424

Angle of maximum intensity: C=0.0 γ =0.0

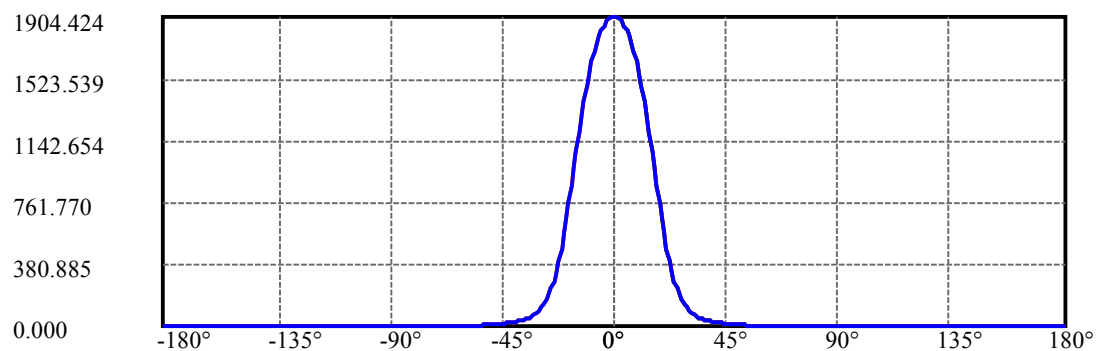
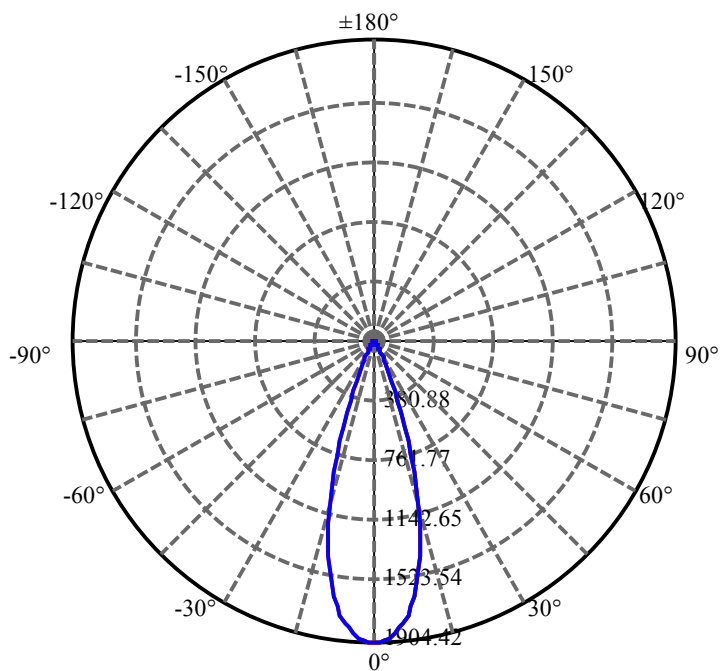
Beam angle of C0 plane : 32.43

Aveage BeamAngle(IEC 61341):32.43

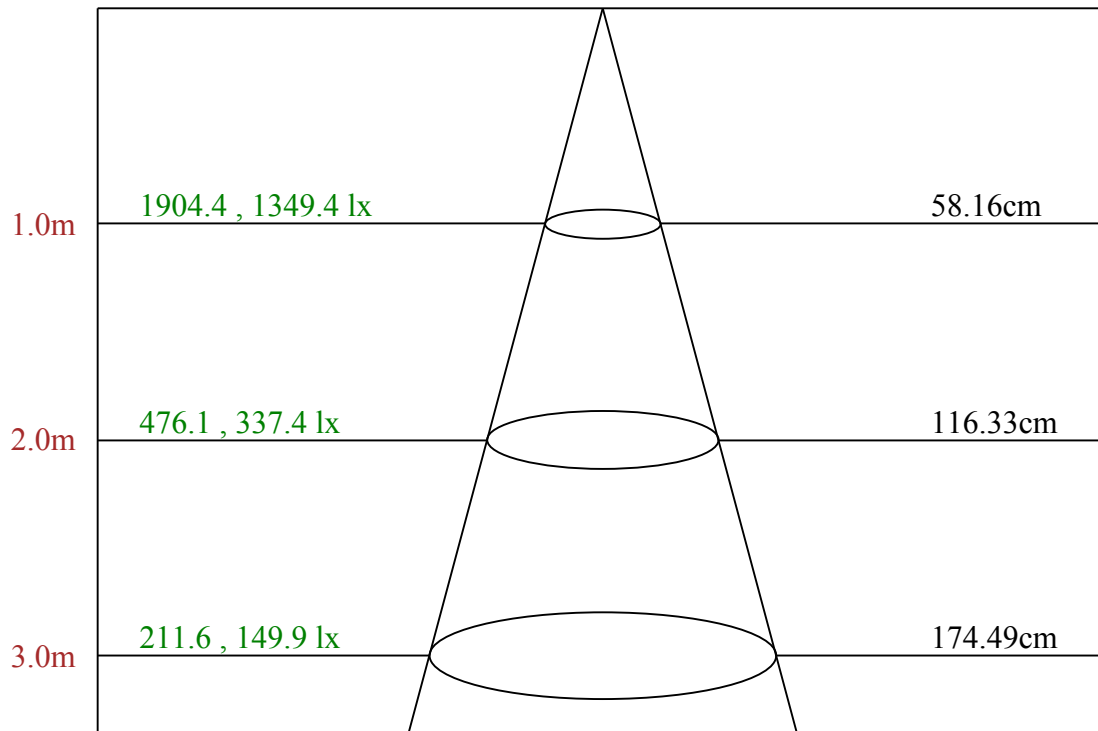
Equipment: equipamento lumini
Temperature(°C): 26.3

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

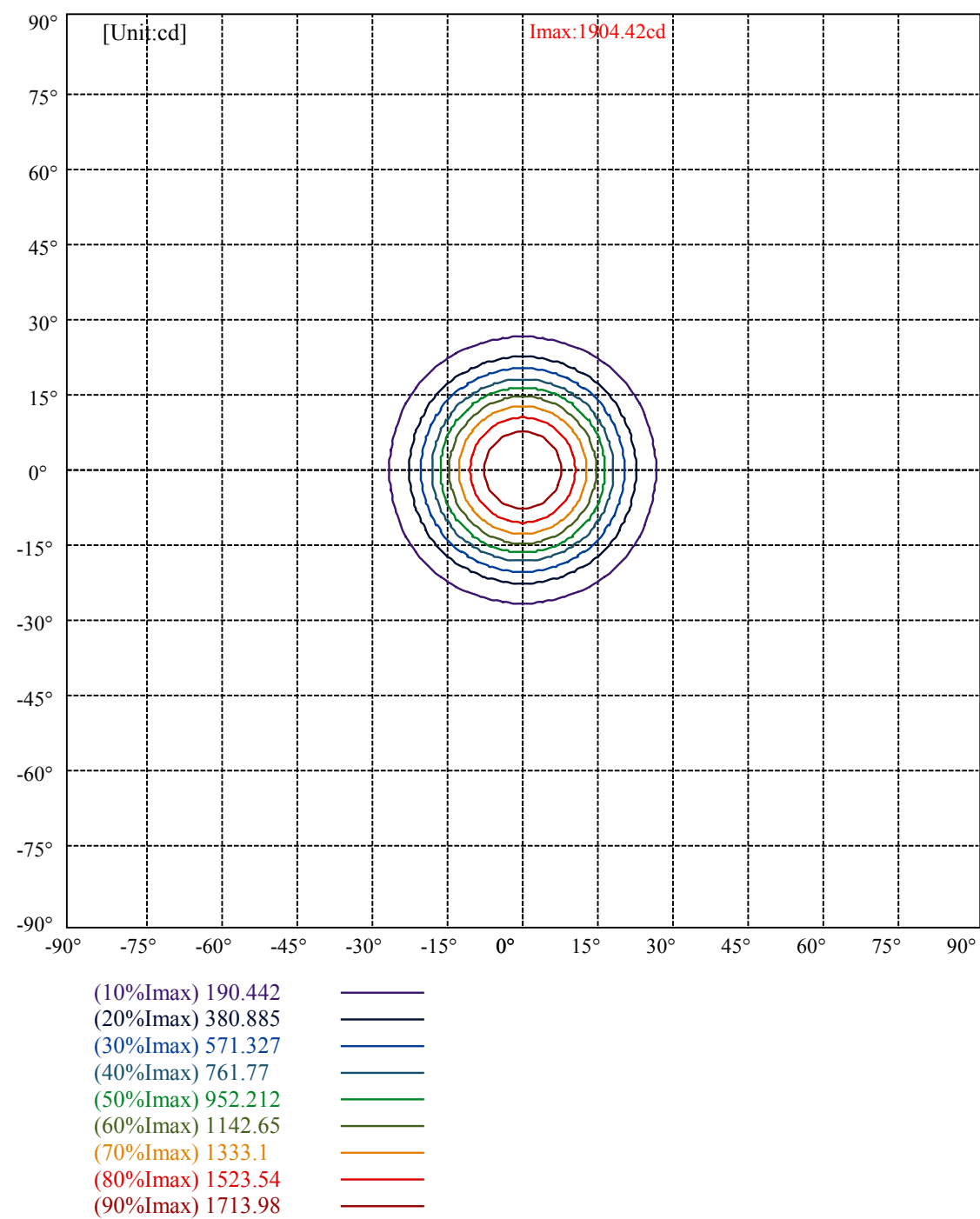
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 32.43



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Luminance Limiting Curve(no luminous side)

Appendix Page: 5 Total:6

Luminance Table

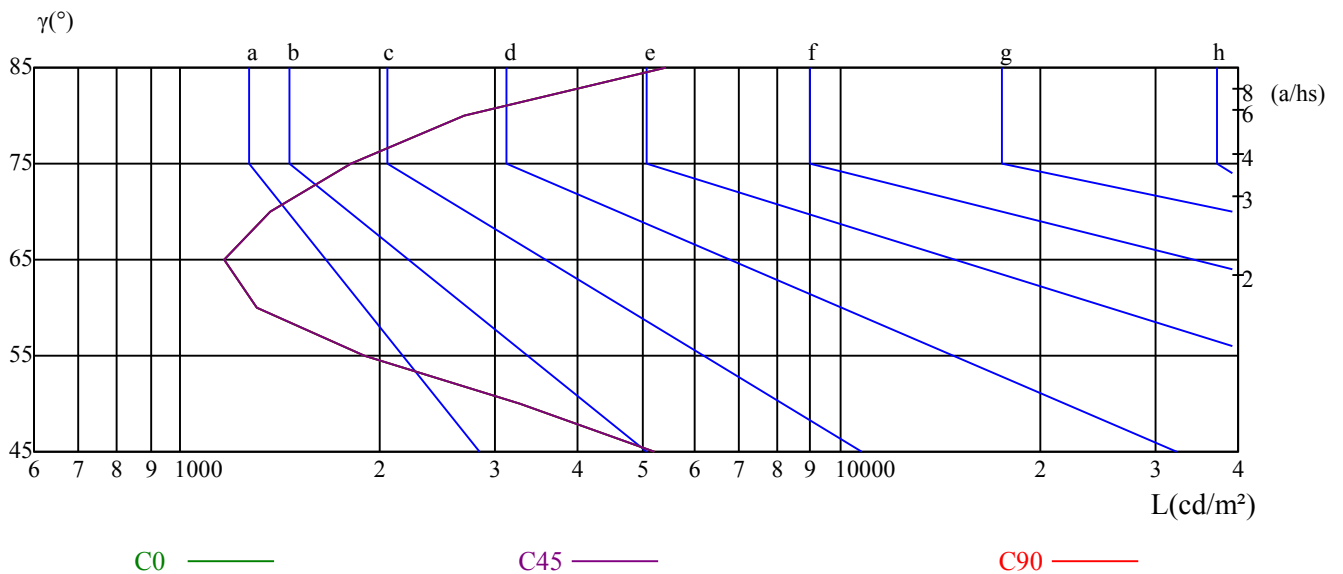
γ	45	50	55	60	65	70	75	80	85
C0	5237	3259	1904	1309	1162	1366	1811	2682	5446
C45	5237	3259	1904	1309	1162	1366	1811	2682	5446
C90	5237	3259	1904	1309	1162	1366	1811	2682	5446

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1162	1162	1162	1811	1811	1811	5446	5446	5446

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): 26.3

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

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	10.91	11.82	11.32	12.18	12.55	11.51	12.42	11.91	12.77	13.14
	3H	10.89	11.70	11.31	12.08	12.47	11.45	12.26	11.87	12.64	13.03
	4H	10.98	11.73	11.42	12.13	12.55	11.51	12.25	11.95	12.65	13.07
	6H	11.29	11.97	11.74	12.39	12.84	11.73	12.42	12.19	12.84	13.29
	8H	11.54	12.19	12.00	12.62	13.08	11.93	12.58	12.39	13.01	13.47
	12H	11.95	12.56	12.41	13.00	13.47	12.26	12.87	12.72	13.31	13.78
4H	2H	10.71	11.45	11.15	11.85	12.27	11.28	12.03	11.72	12.42	12.84
	3H	10.74	11.37	11.20	11.80	12.27	11.27	11.89	11.73	12.33	12.80
	4H	10.99	11.53	11.47	11.99	12.49	11.46	12.00	11.94	12.47	12.96
	6H	11.47	11.95	11.98	12.44	12.94	11.84	12.32	12.35	12.81	13.31
	8H	11.92	12.36	12.44	12.86	13.38	12.21	12.66	12.74	13.15	13.68
	12H	12.58	12.99	13.11	13.48	14.05	12.78	13.19	13.31	13.68	14.24
8H	4H	10.99	11.44	11.52	11.93	12.45	11.44	11.88	11.96	12.38	12.90
	6H	11.70	12.06	12.24	12.58	13.14	12.02	12.38	12.56	12.90	13.46
	8H	12.40	12.70	12.97	13.26	13.80	12.63	12.93	13.20	13.49	14.03
	12H	13.35	13.58	13.92	14.13	14.70	13.47	13.70	14.04	14.25	14.82
12H	4H	11.01	11.42	11.54	11.91	12.48	11.45	11.86	11.97	12.35	12.91
	6H	11.85	12.15	12.42	12.71	13.25	12.15	12.46	12.72	13.01	13.56
	8H	12.61	12.84	13.19	13.39	13.96	12.82	13.05	13.40	13.61	14.18
Variation with the observer position at spacings:											
S = 1.0H		3.3/-3.4					3.3/-3.4				
S = 1.5H		4.7/-2.8					4.7/-2.8				
S = 2.0H		5.6/-2.3					5.6/-2.3				
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 17 serie 3 e fa

LampCAT: modulo led 6W 30K irc 90

Ballast type: led driver 700mA

Report No:

Voltage(V): 127.0500

Test No:

Current(A): 0.1040

Number of Lamps: 1

Power (W): 7.5670

Lamp flux(lm): 730.0

PF: 0.5730

Length(mm): 160

Width(mm): 25

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 564.83, Efficiency(%): 77.37% , Luminous Efficacy(lm/W): 74.64

Central intensity(cd): 622.263, Maximum intensity(cd): 648.139

Angle of maximum intensity: C=0.0 γ =10.0

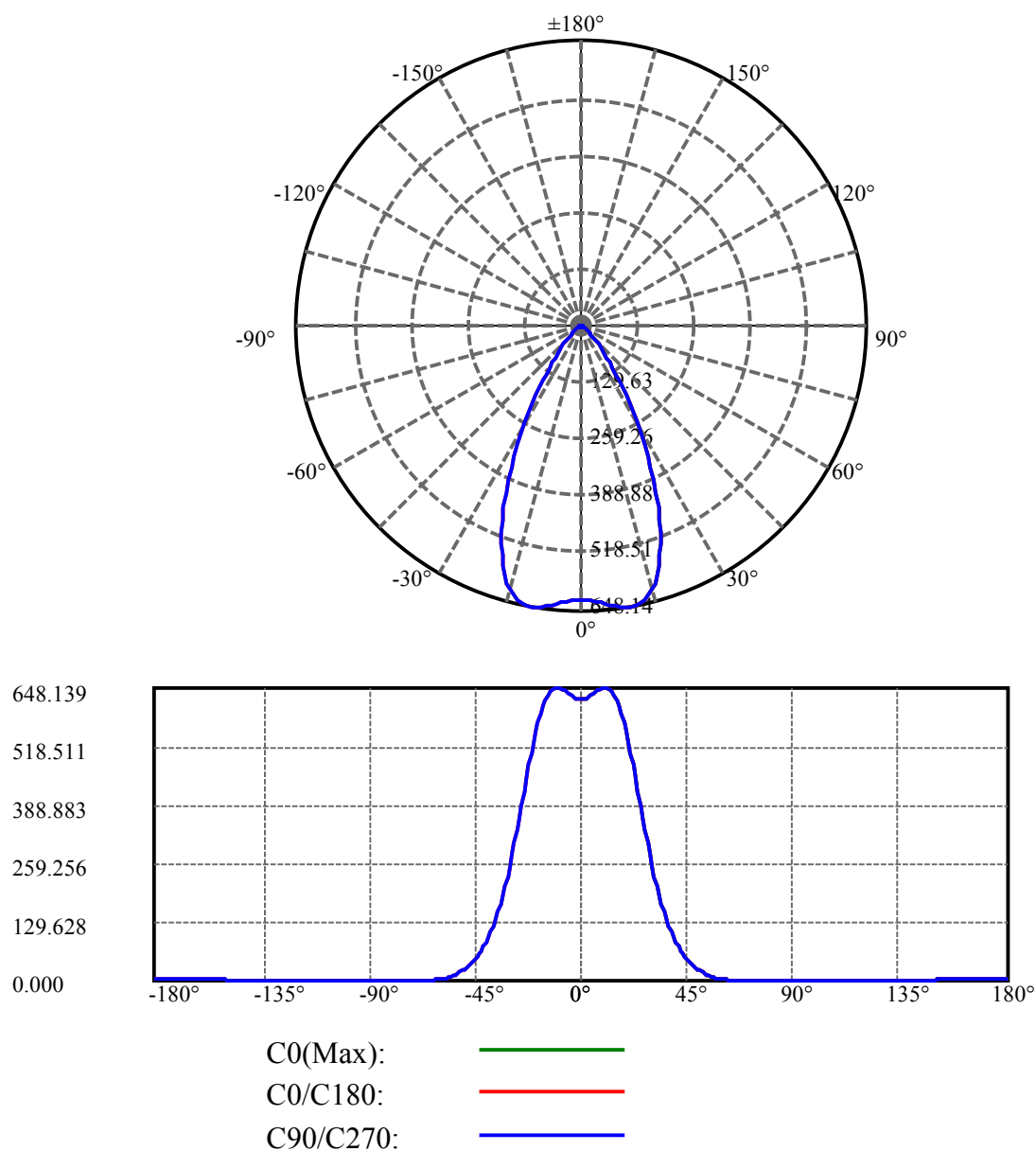
Beam angle of C0 plane : 55.52

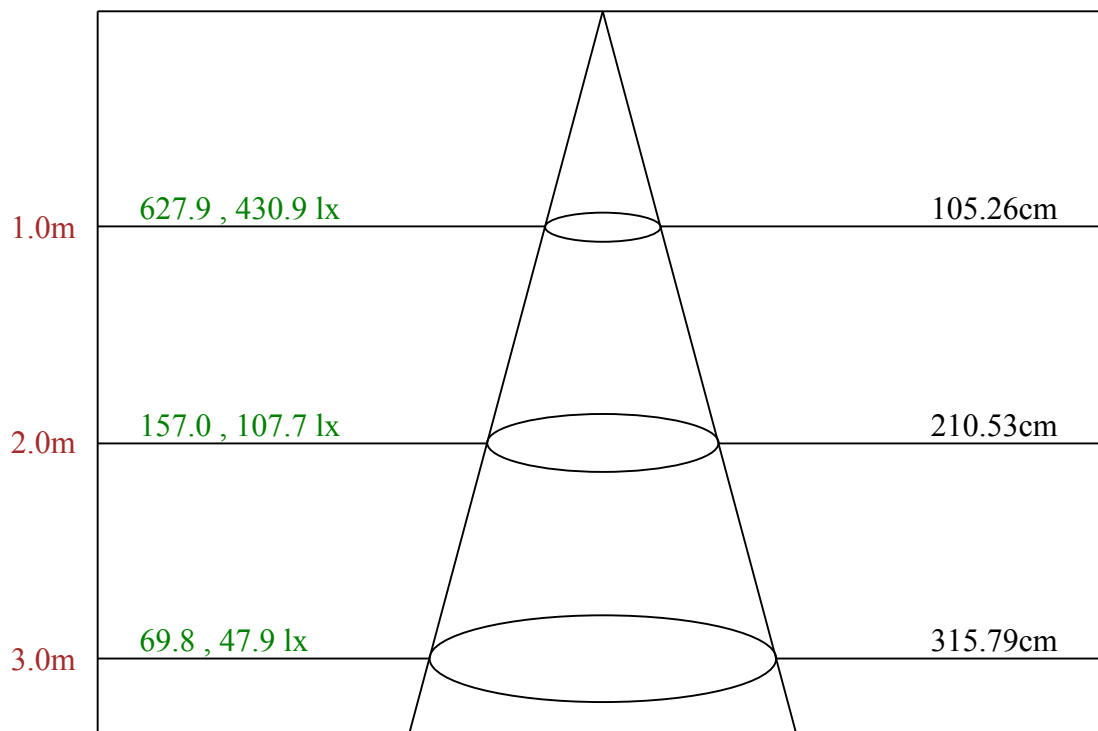
Aveage BeamAngle(IEC 61341):55.52

Equipment: equipamento lumini
Temperature(°C): 26.3

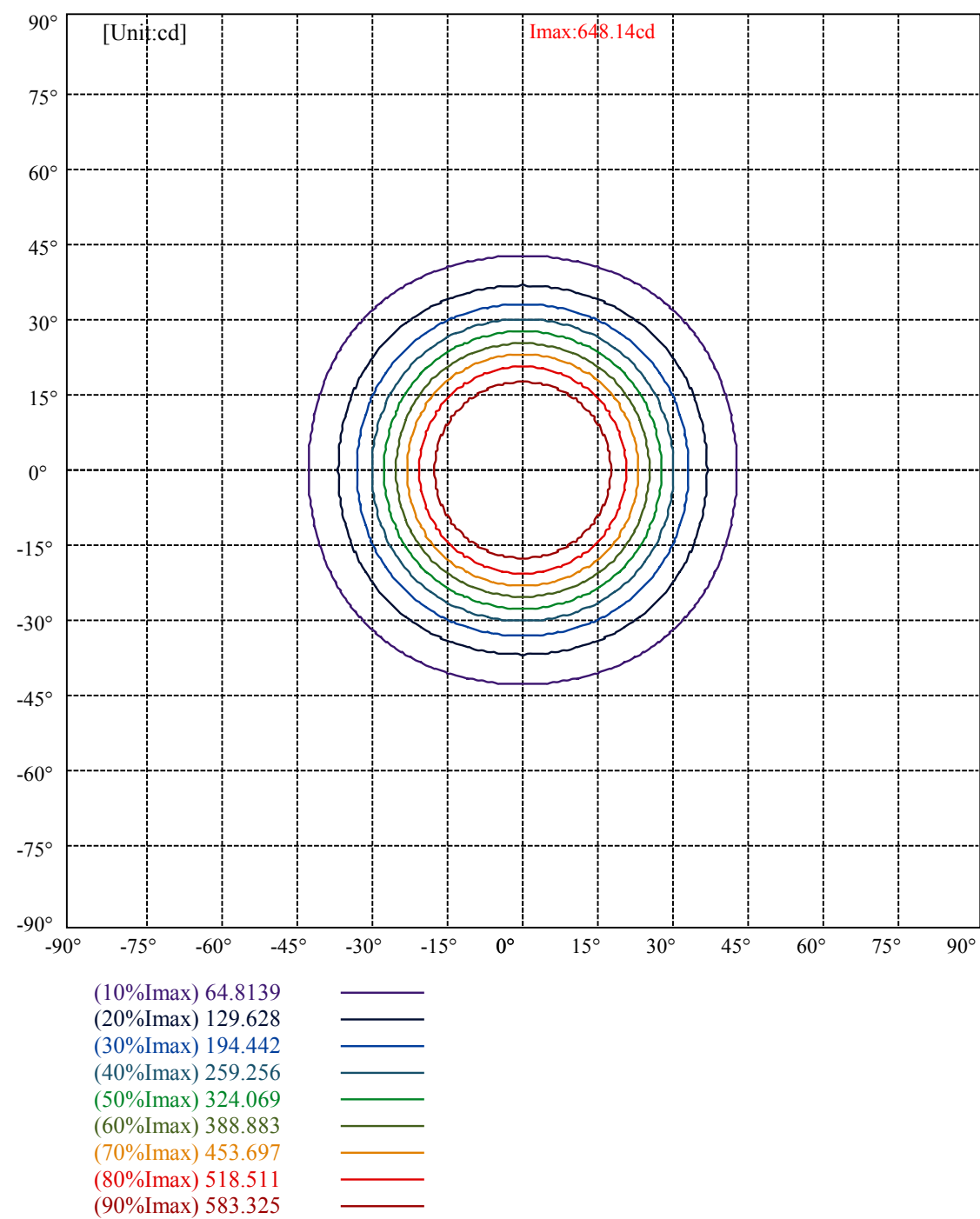
Date: 12/02/2025
Humidity(%): 57.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 55.52



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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	16002	8712	3725	1327	852	987	1299	1953	3926
C45	16002	8712	3725	1327	852	987	1299	1953	3926
C90	16002	8712	3725	1327	852	987	1299	1953	3926

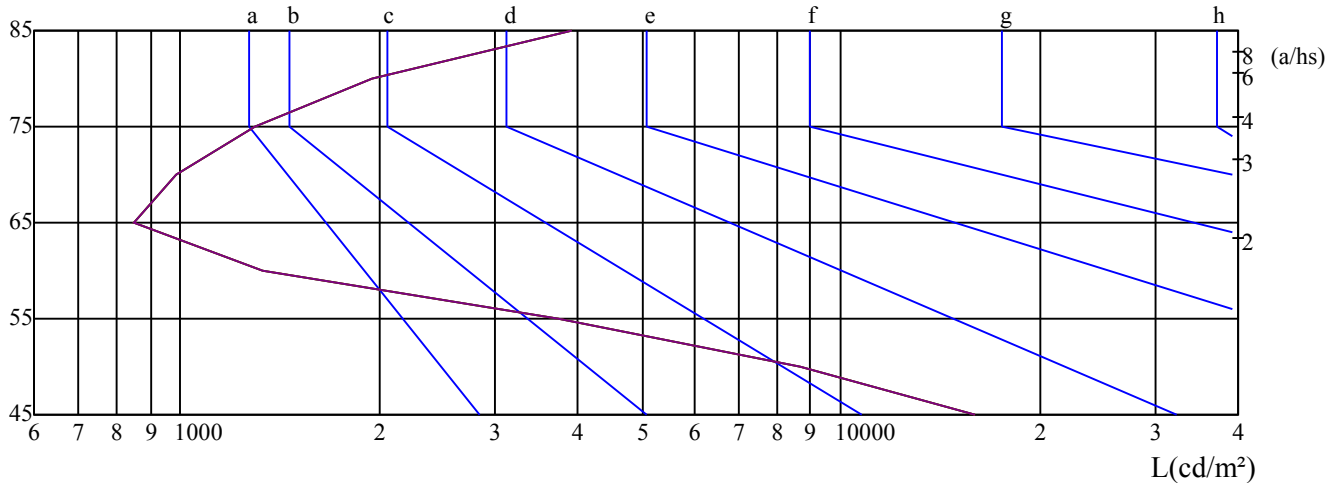
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
852	852	852	1299	1299	1299	3926	3926	3926

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($^{\circ}\text{C}$): 26.3

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

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	20.25	21.23	20.65	21.58	21.94	19.94	20.92	20.33	21.27	21.63
	3H	20.05	20.92	20.47	21.30	21.69	19.74	20.61	20.16	20.99	21.38
	4H	19.95	20.76	20.39	21.15	21.56	19.65	20.45	20.08	20.84	21.25
	6H	19.88	20.62	20.33	21.03	21.47	19.58	20.31	20.03	20.72	21.17
	8H	19.82	20.52	20.28	20.95	21.40	19.52	20.22	19.97	20.64	21.09
	12H	19.77	20.44	20.23	20.87	21.33	19.47	20.14	19.93	20.57	21.03
4H	2H	19.97	20.78	20.41	21.17	21.58	19.66	20.47	20.10	20.86	21.27
	3H	19.74	20.41	20.20	20.84	21.30	19.43	20.10	19.89	20.53	21.00
	4H	19.68	20.26	20.15	20.71	21.21	19.37	19.95	19.84	20.41	20.90
	6H	19.56	20.07	20.07	20.56	21.06	19.26	19.78	19.77	20.26	20.76
	8H	19.53	20.00	20.05	20.50	21.01	19.24	19.71	19.75	20.20	20.72
	12H	19.52	19.96	20.05	20.45	21.01	19.24	19.67	19.76	20.16	20.72
8H	4H	19.48	19.96	20.00	20.45	20.96	19.18	19.65	19.70	20.14	20.66
	6H	19.37	19.76	19.91	20.27	20.82	19.07	19.46	19.61	19.97	20.53
	8H	19.40	19.72	19.96	20.28	20.82	19.11	19.44	19.67	19.99	20.53
	12H	19.42	19.68	19.99	20.22	20.79	19.14	19.40	19.71	19.95	20.51
12H	4H	19.43	19.87	19.96	20.36	20.92	19.13	19.57	19.65	20.05	20.61
	6H	19.36	19.69	19.92	20.24	20.78	19.07	19.39	19.63	19.95	20.49
	8H	19.36	19.61	19.93	20.16	20.72	19.07	19.33	19.64	19.88	20.44
Variation with the observer position at spacings:											
S = 1.0H		4.0/-8.4					4.0/-8.4				
S = 1.5H		6.6/-10.5					6.6/-10.5				
S = 2.0H		8.5/-9.0					8.5/-9.0				
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: mini frame 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

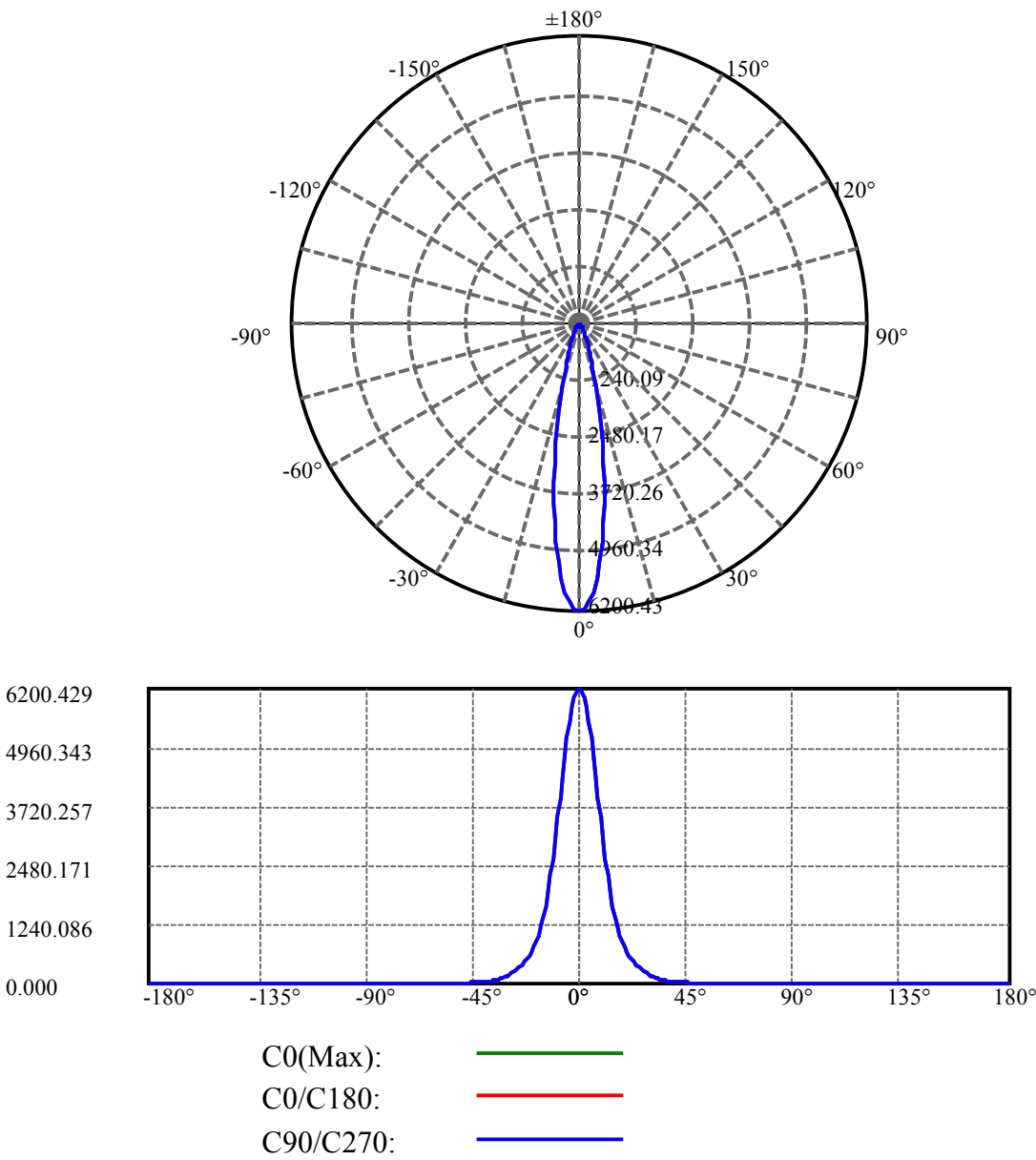
Beam angle of C0 plane : 19.73

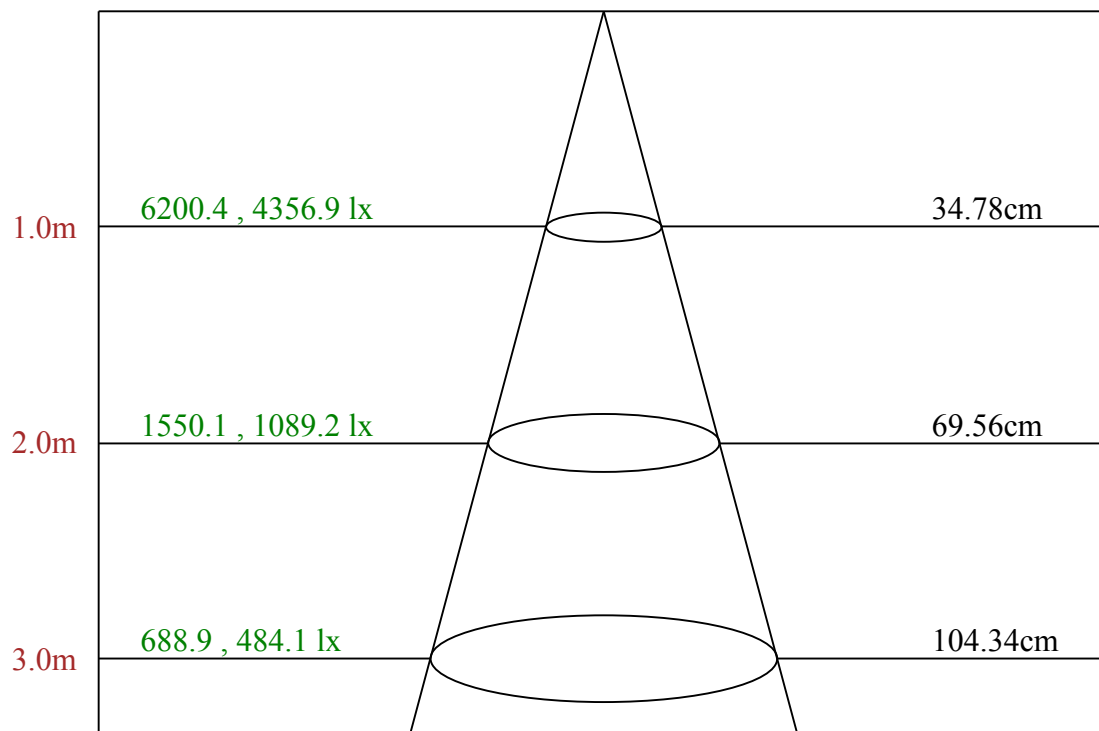
Aveage BeamAngle(IEC 61341):19.73

Equipment: equipamento lumini
Temperature(°C): 26.3

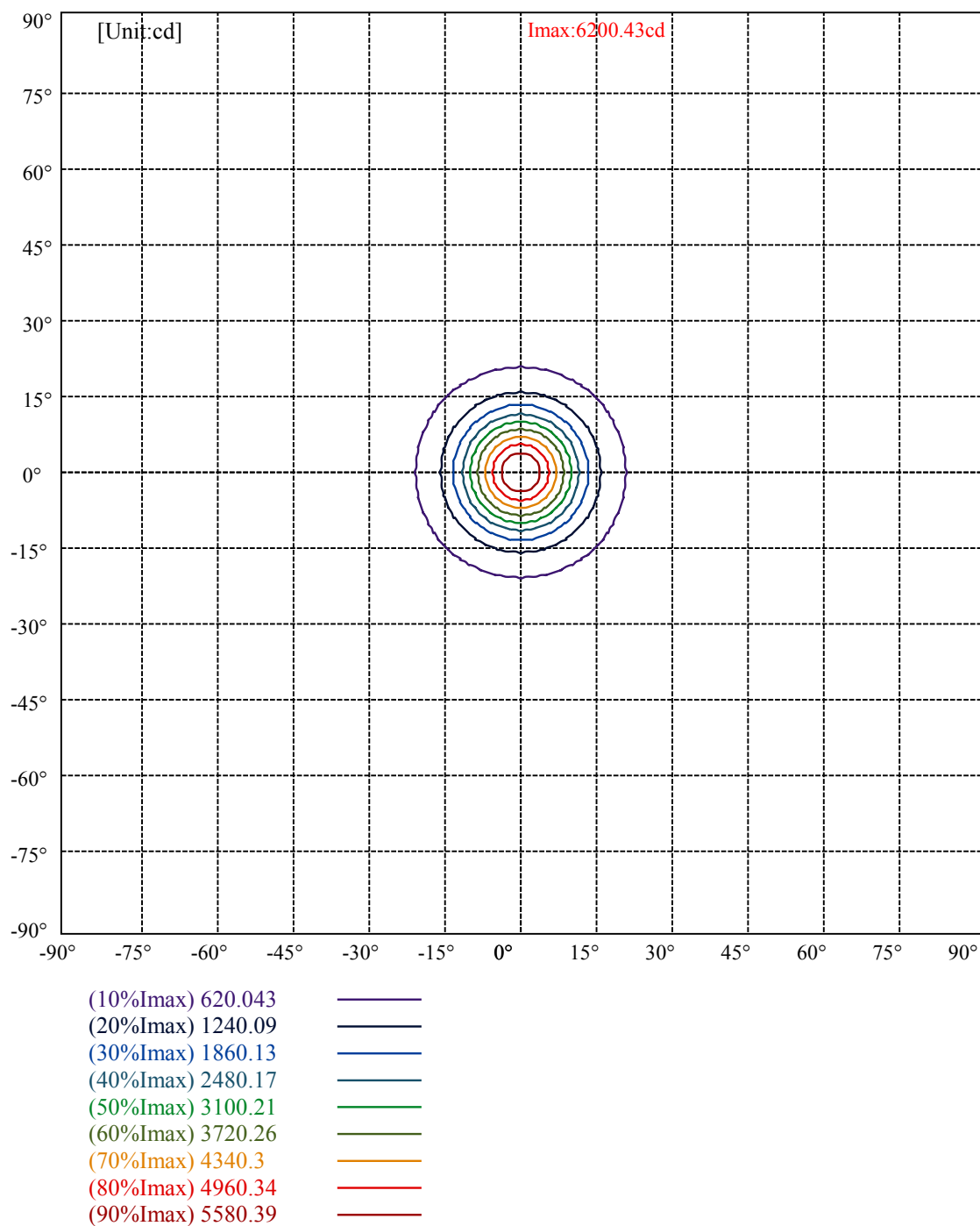
Date: 12/02/2025
Humidity(%): 57.0%

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

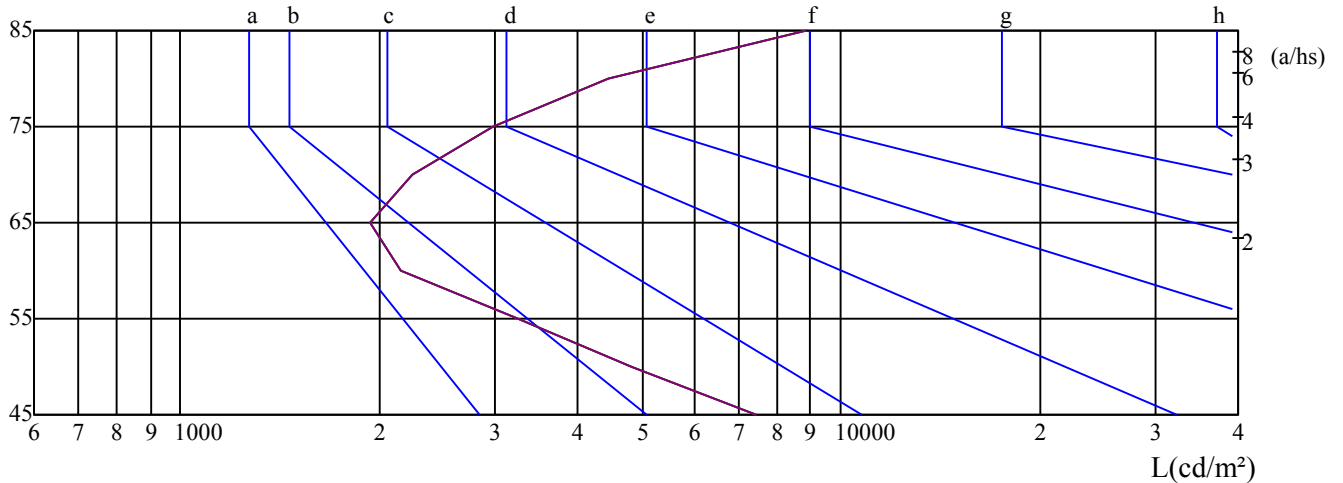
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1943	1943	1943	2972	2972	2972	8843	8843	8843

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: mini frame 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

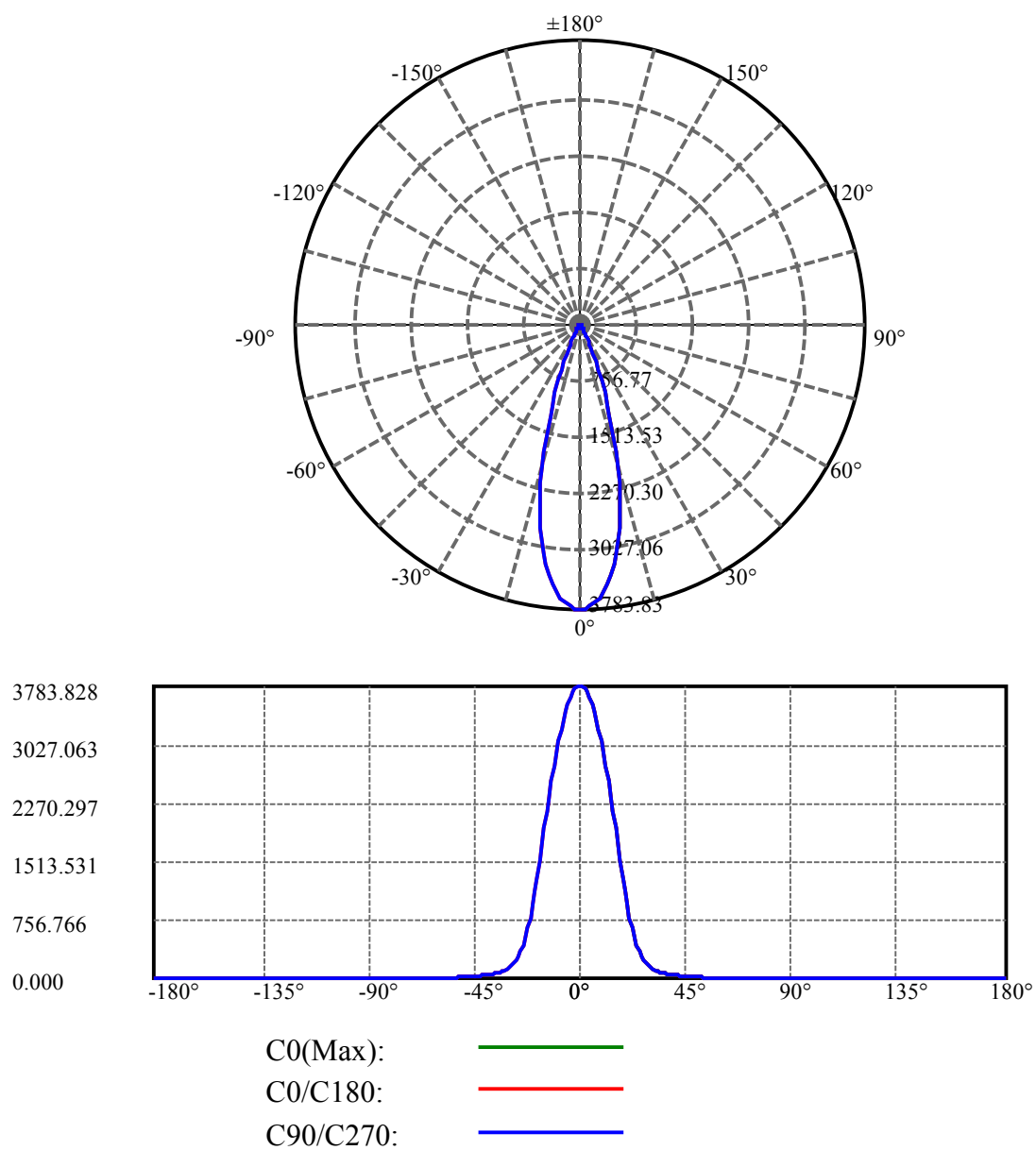
Beam angle of C0 plane : 30.66

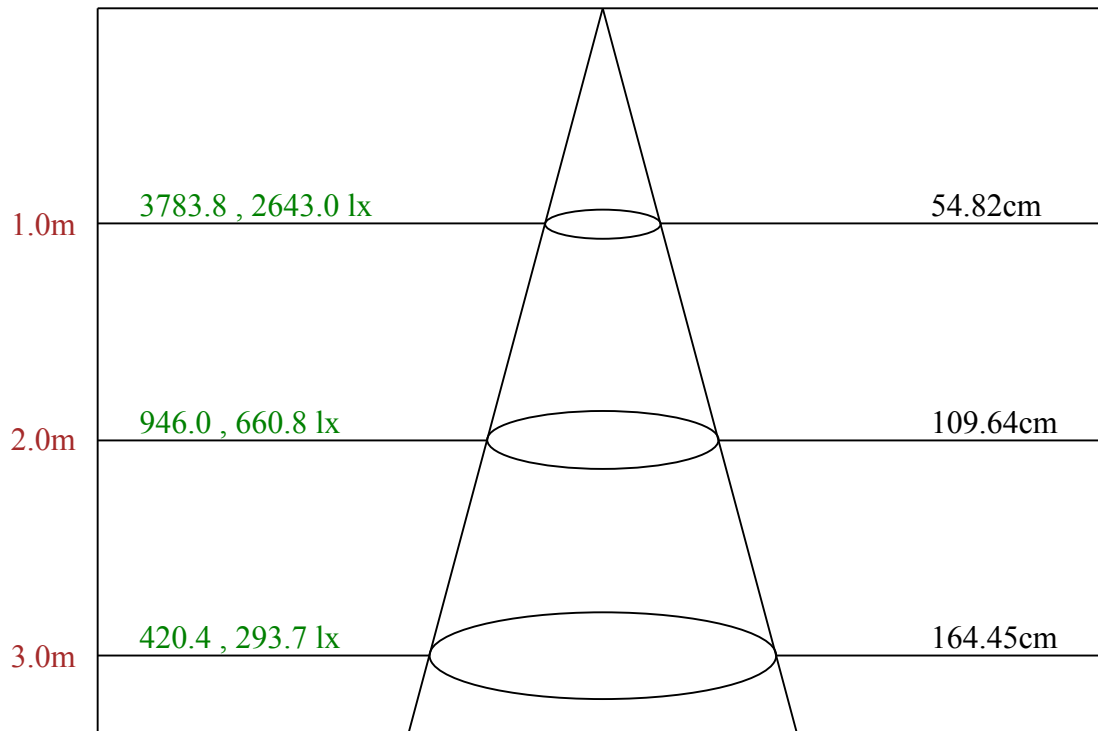
Aveage BeamAngle(IEC 61341):30.66

Equipment: equipamento lumini
Temperature(°C): 26.3

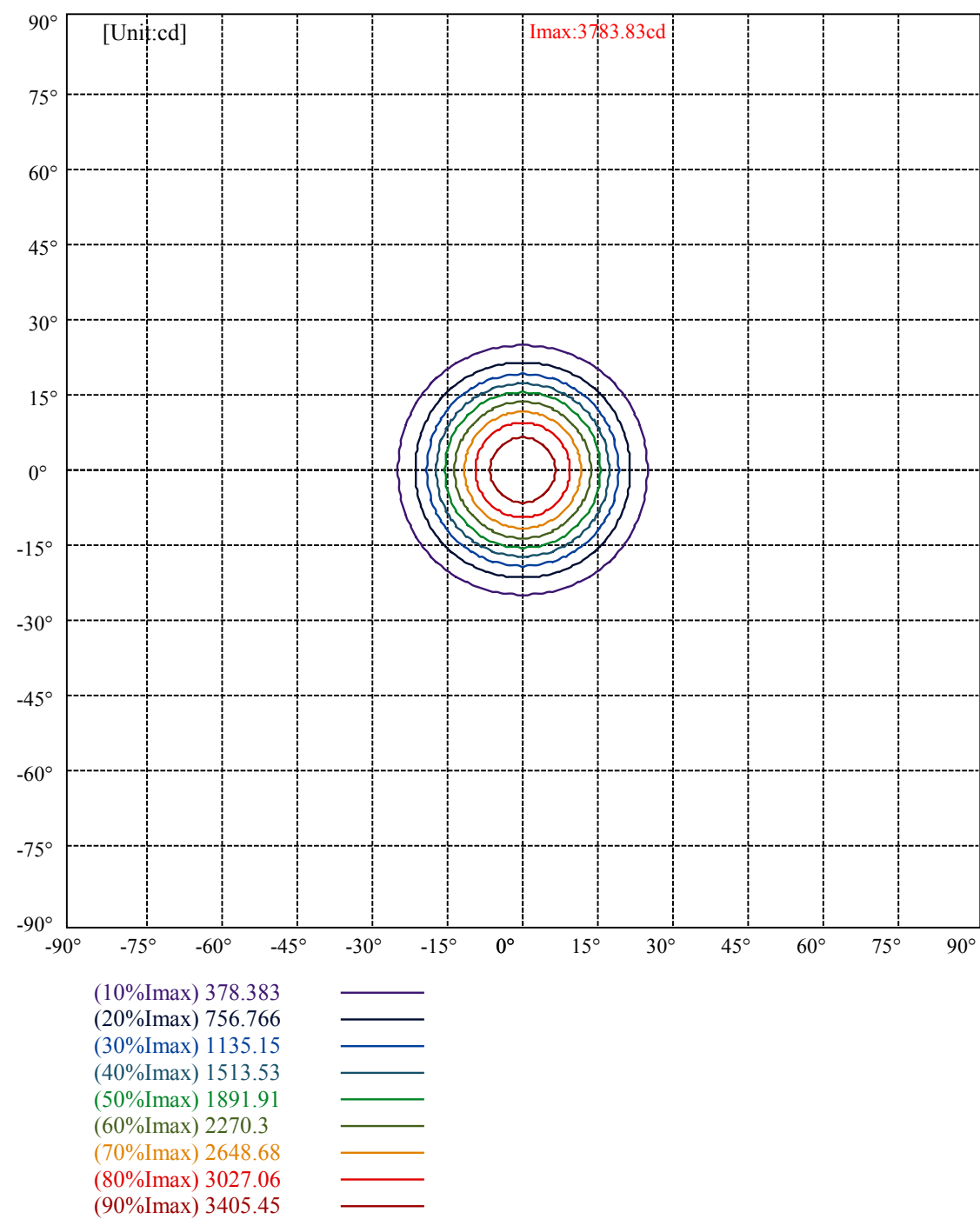
Date: 12/02/2025
Humidity(%): 57.0%

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

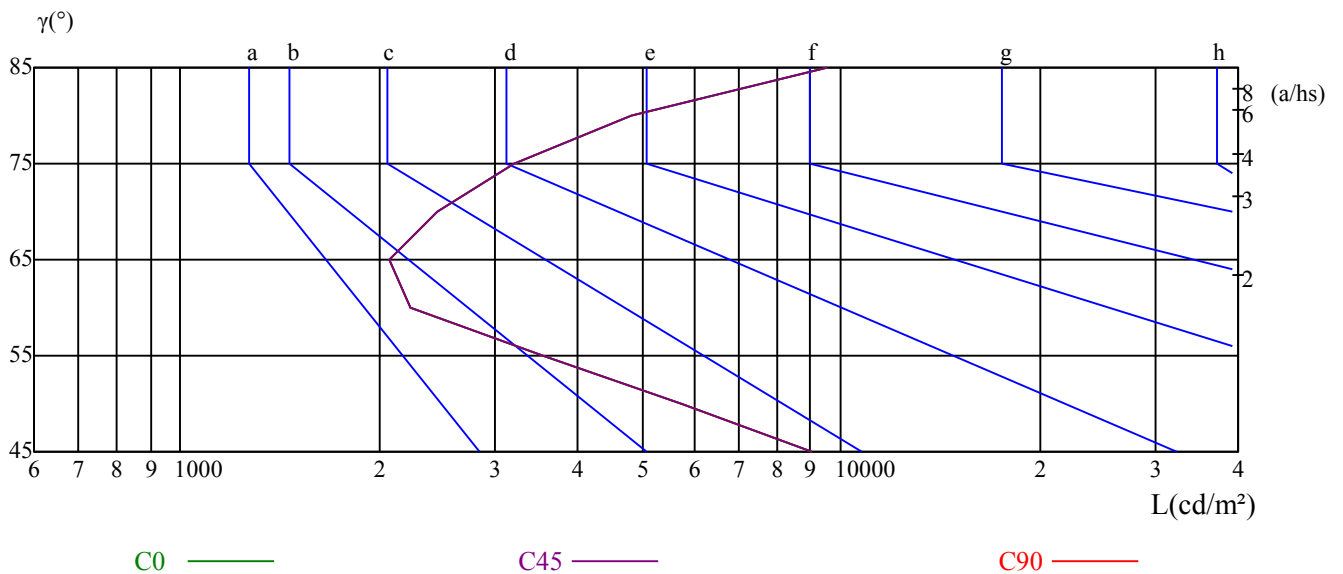
γ	45	50	55	60	65	70	75	80	85
C0	9014	5724	3533	2226	2074	2449	3208	4815	9543
C45	9014	5724	3533	2226	2074	2449	3208	4815	9543
C90	9014	5724	3533	2226	2074	2449	3208	4815	9543

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($^{\circ}$ C): 26.3

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

Operator: 01
Distance(m): 6.90



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LumCAT:

Luminaire: mini frame 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: $C=0.0$ $\gamma=2.0$

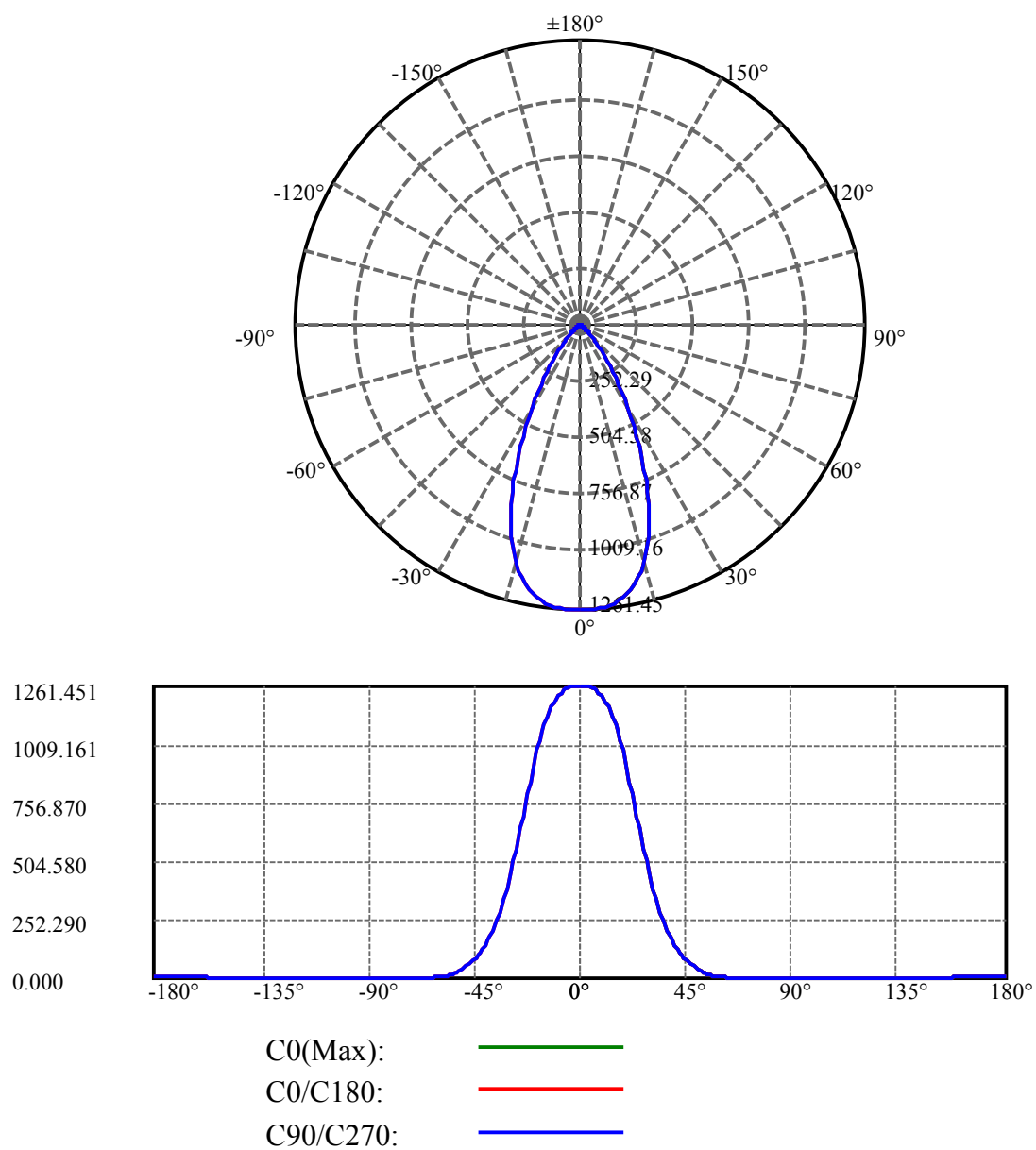
Beam angle of C0 plane : 50.83

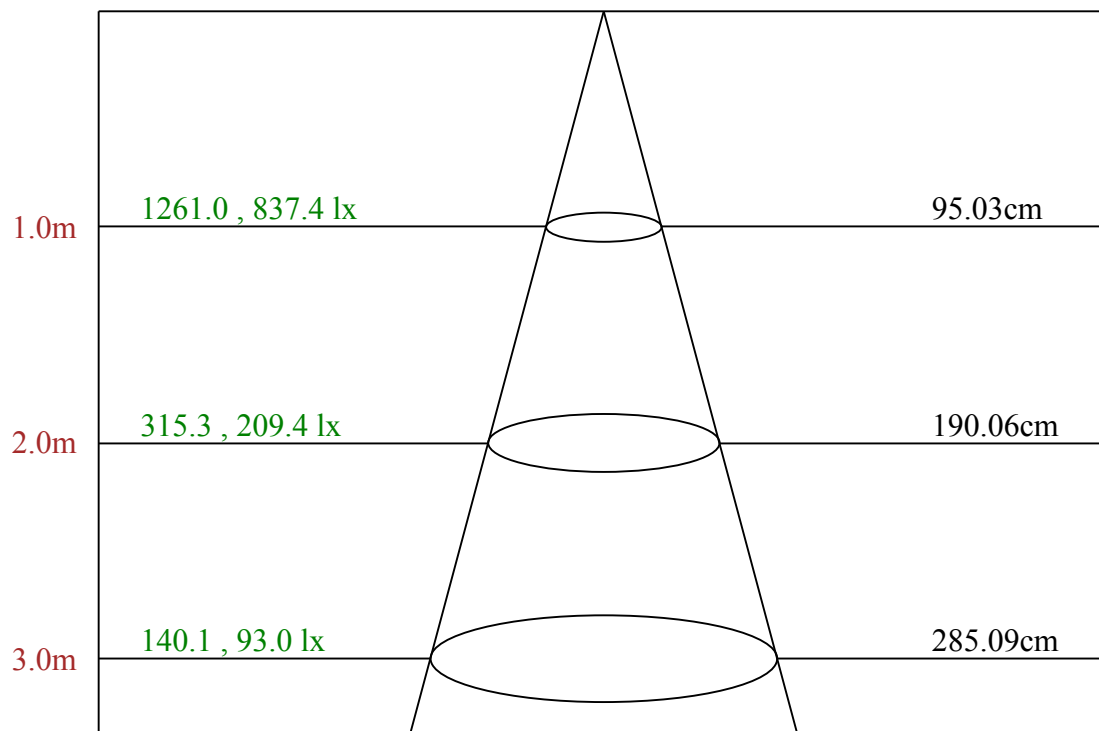
Average BeamAngle(IEC 61341): 50.83

Equipment: equipamento lumini
Temperature(°C): 26.3

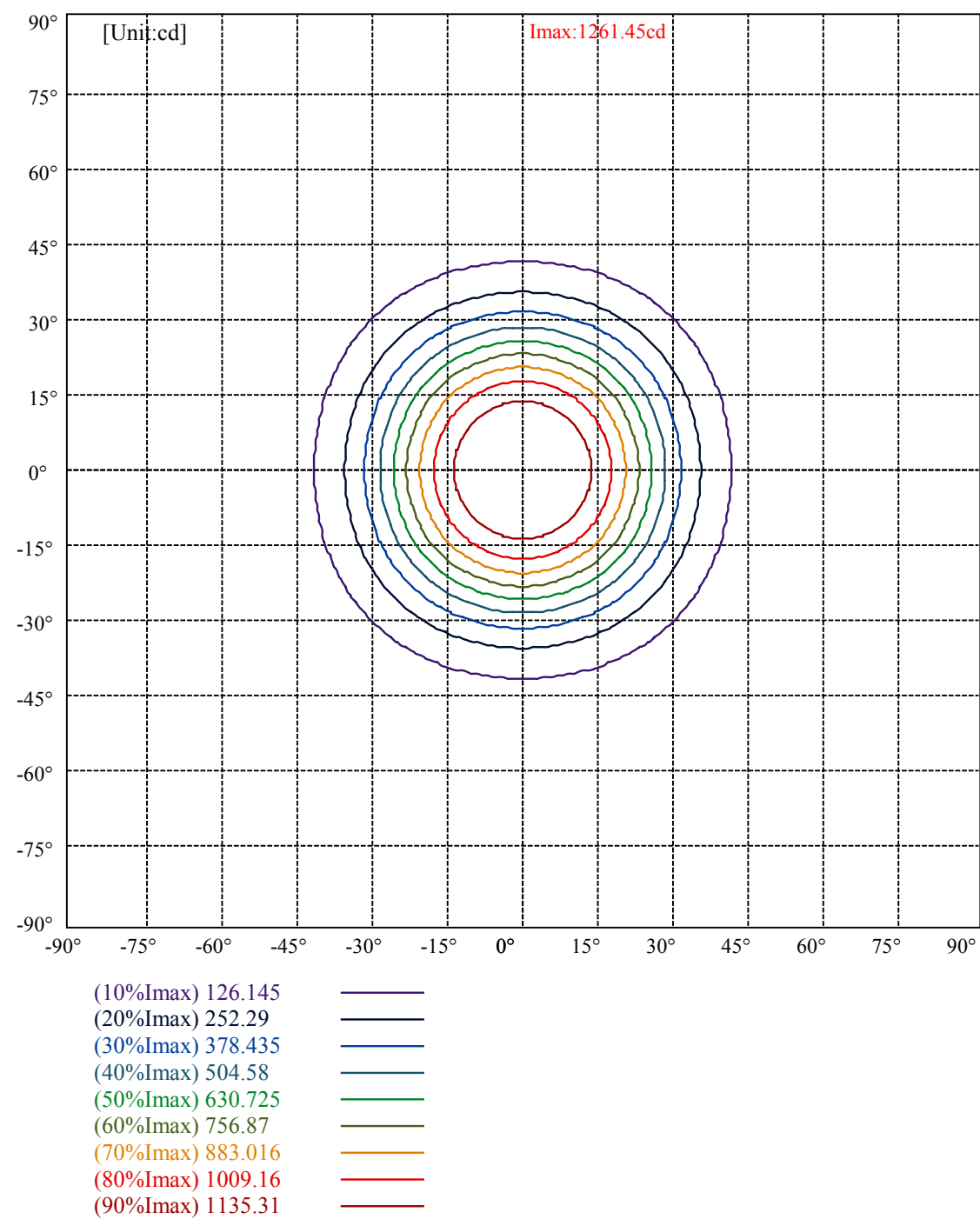
Date: 12/02/2025
Humidity(%): 57.0%

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

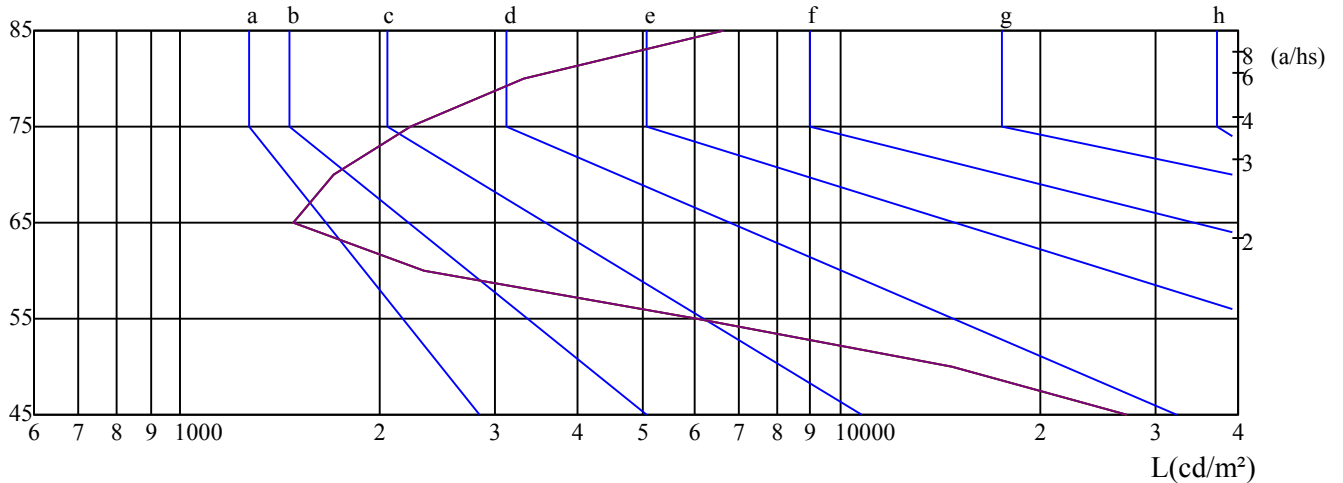
L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
1486	1486	1486	2225	2225	2225	6623	6623	6623

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 —

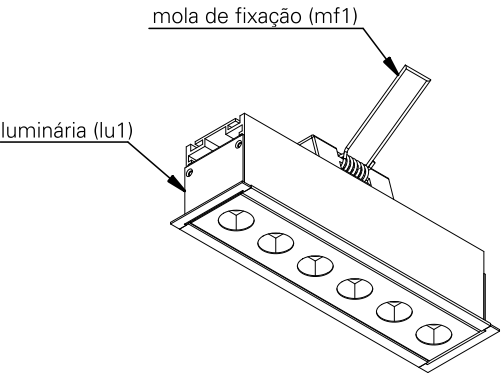
Equipment: equipamento lumini
Temperature($^{\circ}$ C): 26.3

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

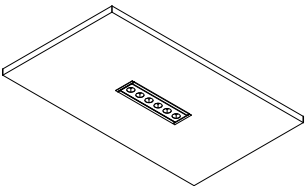
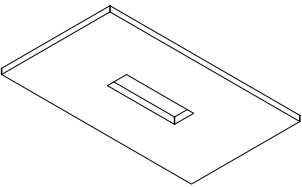
para a instalação, lave as mãos e seque as mãos, use luvas descartáveis.

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

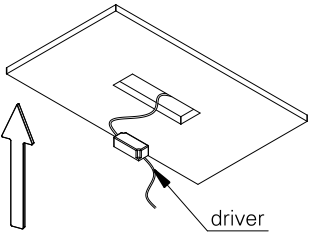
retire a luminária da embalagem com cuidado e apoie-o em uma superfície limpa e seca.

instalação passo a passo

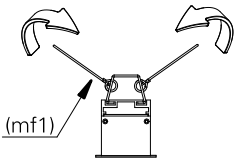
1. faça um nicho no forro conforme a tabela abaixo:
xmc mini frame led concentra 8 s2 - nicho = 91x41
mini frame darklight 8 serie 2 e - nicho = 91x41
mini frame darklight 17 serie 3 e - nicho = 173x41
mini frame darklight 34 serie 2 e - nicho = 332x41
mini frame darklight 50 serie 2 e - nicho = 494x41



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.

