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lumini

LumCAT:

Luminaire: downled md r wide seire 2 e

LampCAT: modulo led 21W 30K irc 90

Ballast type: LED driver 700mA

Report No:

Voltage(V): 122.5000

Test No:

Current(A): 0.2040

Number of Lamps: 1

Power (W): 24.9900

Lamp flux(lm): 3025.0

PF: 0.0000

Length(mm): 77

Width(mm): 77

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 1743.33, Efficiency(%): 57.63% , Luminous Efficacy(lm/W): 69.76

Central intensity(cd): 1163.112, Maximum intensity(cd): 1163.112

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

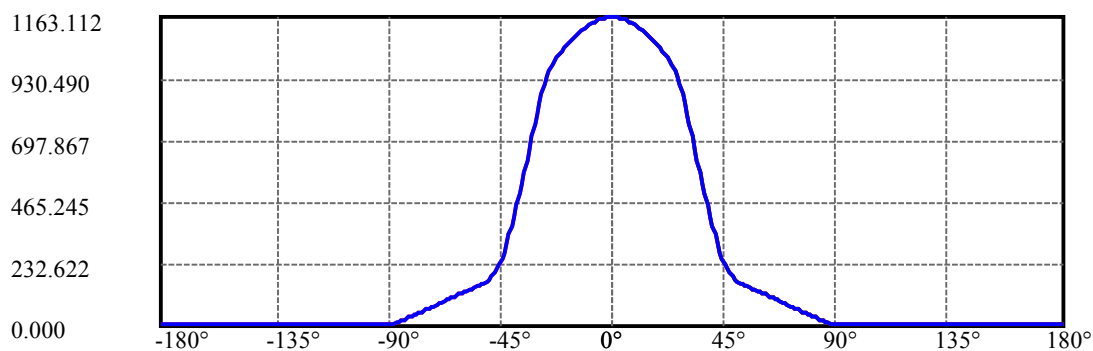
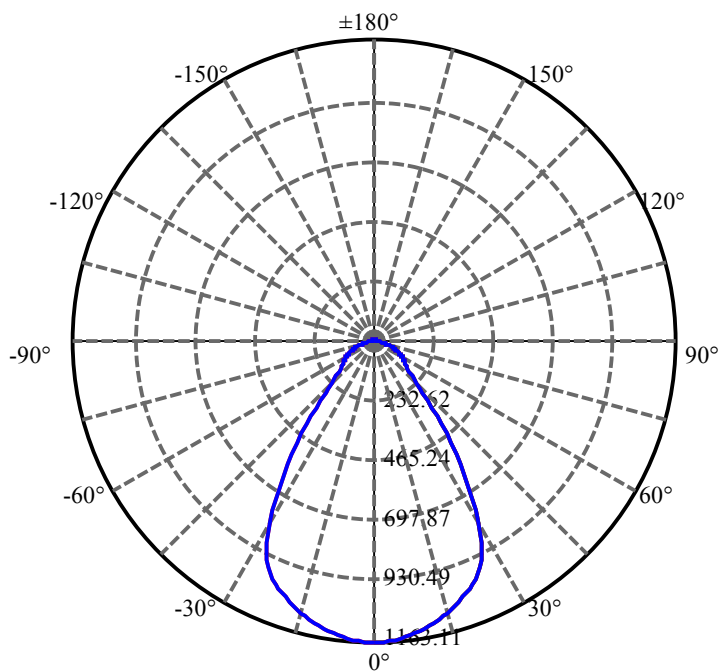
Beam angle of C0 plane : 69.86

Aveage BeamAngle(IEC 61341): 69.86

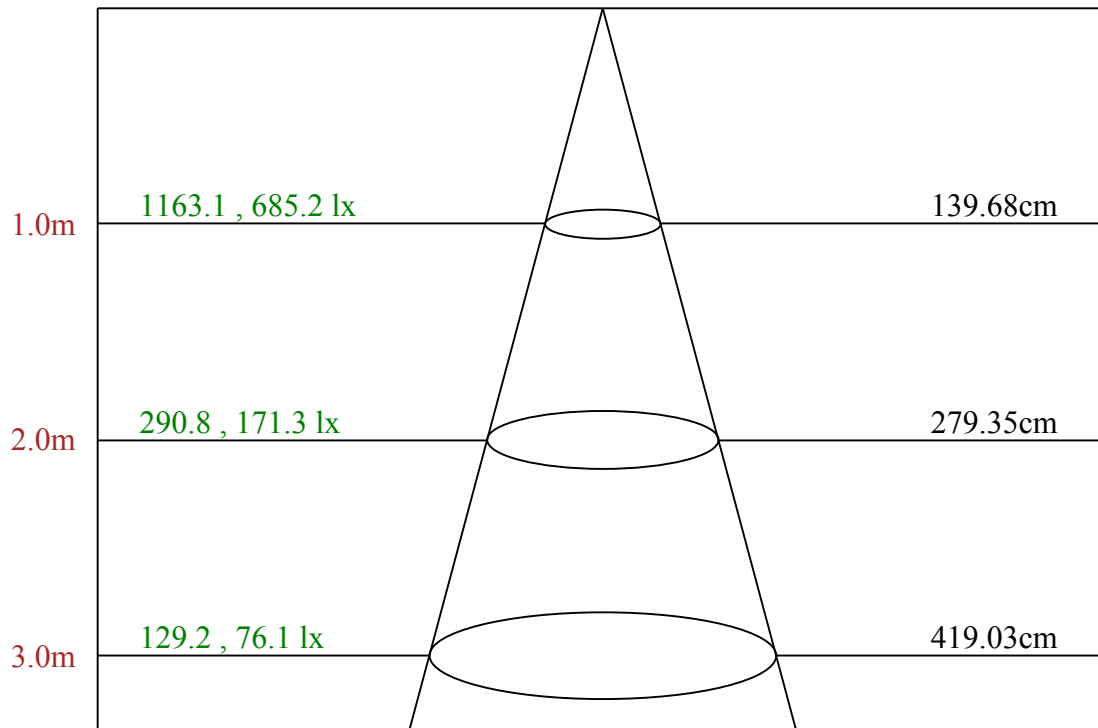
Equipment: equipamento lumini
Temperature(°C): 26.5

Date: 28/11/2024
Humidity(%): 55.0%

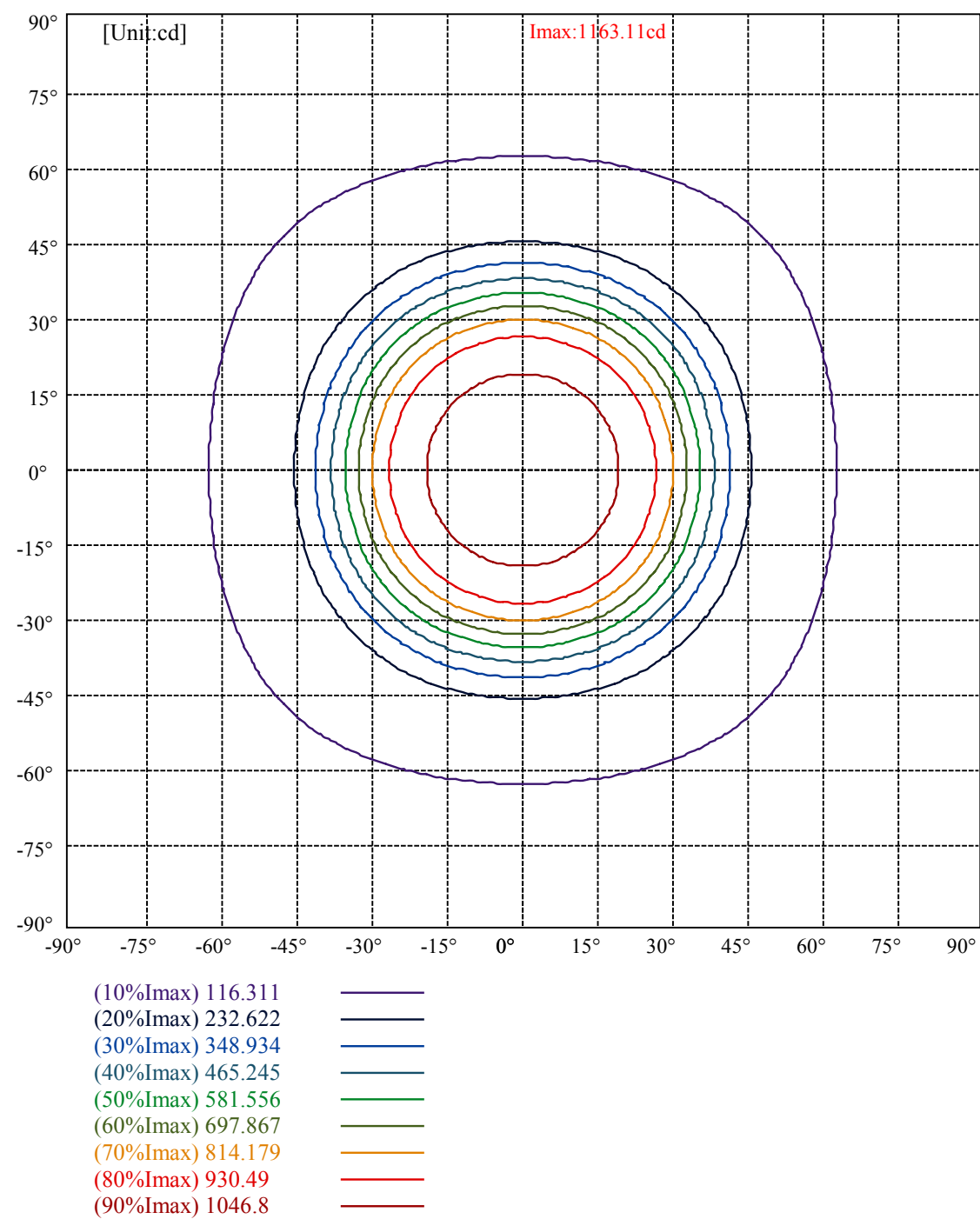
Operator: 01
Distance(m): 6.90



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



Max , Ave Beam angle of C0 plane 69.86



Luminance Table

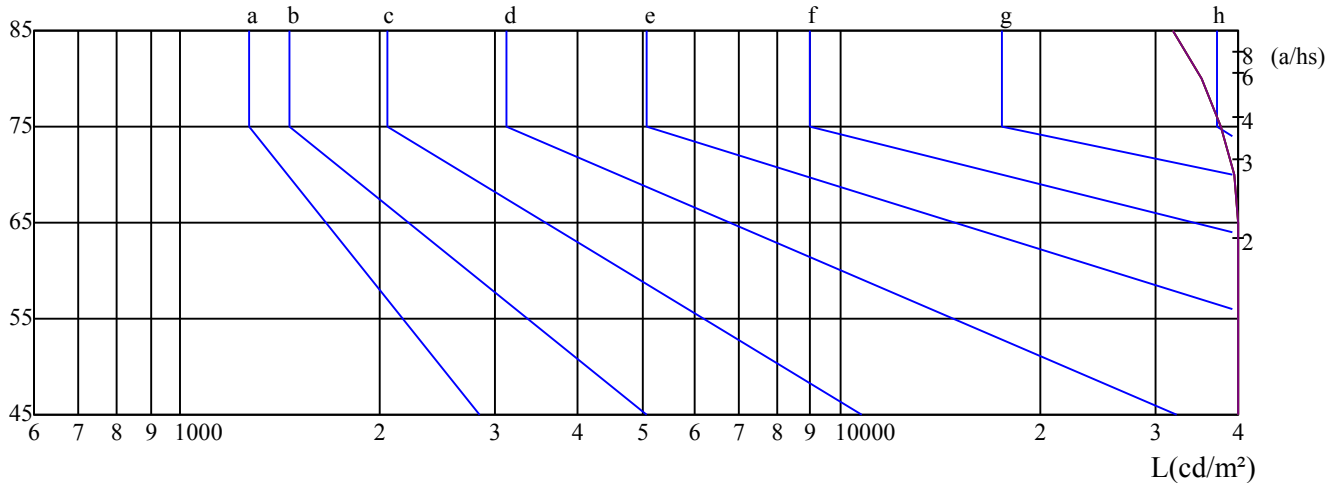
γ	45	50	55	60	65	70	75	80	85
C0	55564	43663	42605	41903	40866	39382	37681	35260	31890
C45	55564	43663	42605	41903	40866	39382	37681	35260	31890
C90	55564	43663	42605	41903	40866	39382	37681	35260	31890

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
40866	40866	40866	37681	37681	37681	31890	31890	31890

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	24.27	25.54	24.66	25.89	26.26	24.63	25.90	25.02	26.25	26.62
	3H	25.52	26.66	25.93	27.04	27.43	25.91	27.06	26.33	27.44	27.83
	4H	26.01	27.07	26.44	27.47	27.88	26.47	27.54	26.90	27.93	28.35
	6H	26.40	27.38	26.84	27.79	28.24	26.96	27.94	27.40	28.35	28.80
	8H	26.49	27.44	26.94	27.86	28.31	27.10	28.05	27.55	28.47	28.92
	12H	26.52	27.43	26.98	27.86	28.32	27.20	28.11	27.66	28.54	29.00
4H	2H	24.76	25.83	25.19	26.23	26.64	25.06	26.13	25.49	26.52	26.93
	3H	26.21	27.12	26.67	27.55	28.01	26.55	27.45	27.00	27.88	28.34
	4H	26.89	27.68	27.36	28.14	28.63	27.29	28.09	27.76	28.54	29.03
	6H	27.37	28.07	27.86	28.55	29.05	27.88	28.58	28.38	29.06	29.56
	8H	27.53	28.19	28.04	28.67	29.19	28.11	28.76	28.62	29.25	29.76
	12H	27.62	28.23	28.14	28.71	29.26	28.28	28.88	28.79	29.37	29.92
8H	4H	27.15	27.81	27.66	28.29	28.81	27.51	28.17	28.02	28.65	29.17
	6H	27.77	28.32	28.30	28.82	29.37	28.24	28.78	28.77	29.29	29.84
	8H	28.06	28.53	28.62	29.08	29.62	28.60	29.07	29.15	29.62	30.15
	12H	28.21	28.59	28.77	29.14	29.70	28.85	29.23	29.41	29.78	30.34
12H	4H	27.18	27.79	27.69	28.27	28.82	27.53	28.13	28.04	28.62	29.17
	6H	27.89	28.36	28.44	28.91	29.45	28.34	28.81	28.89	29.36	29.89
	8H	28.18	28.57	28.74	29.11	29.67	28.70	29.08	29.26	29.63	30.19
Variation with the observer position at spacings:											
S = 1.0H		0.7/-0.8					0.7/-0.8				
S = 1.5H		1.3/-0.9					1.3/-0.9				
S = 2.0H		2.2/-0.9					2.2/-0.9				
Standard tables:		BK3					BK3				
Uncorrected UGR		9.5					9.5				

依据CIE Publ. 117 计算 UGR, S/H = 0.25