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lumini

LumCAT:

Luminaire: downled xsm r difusa c

LampCAT: modulo led tr 9W 27K irc 90

Ballast type:

Report No:

Voltage(V): 127.8100

Test No:

Current(A): 0.0780

Number of Lamps: 1

Power (W): 9.2690

Lamp flux(lm): 529.0

PF: 0.9350

Length(mm): 67

Width(mm): 67

Phm Type: C

Height(mm): 0

Photometric Results

Lumens(lm): 290.94, Efficiency(%): 55.00% , Luminous Efficacy(lm/W): 31.39

Central intensity(cd): 160.041, Maximum intensity(cd): 160.041

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

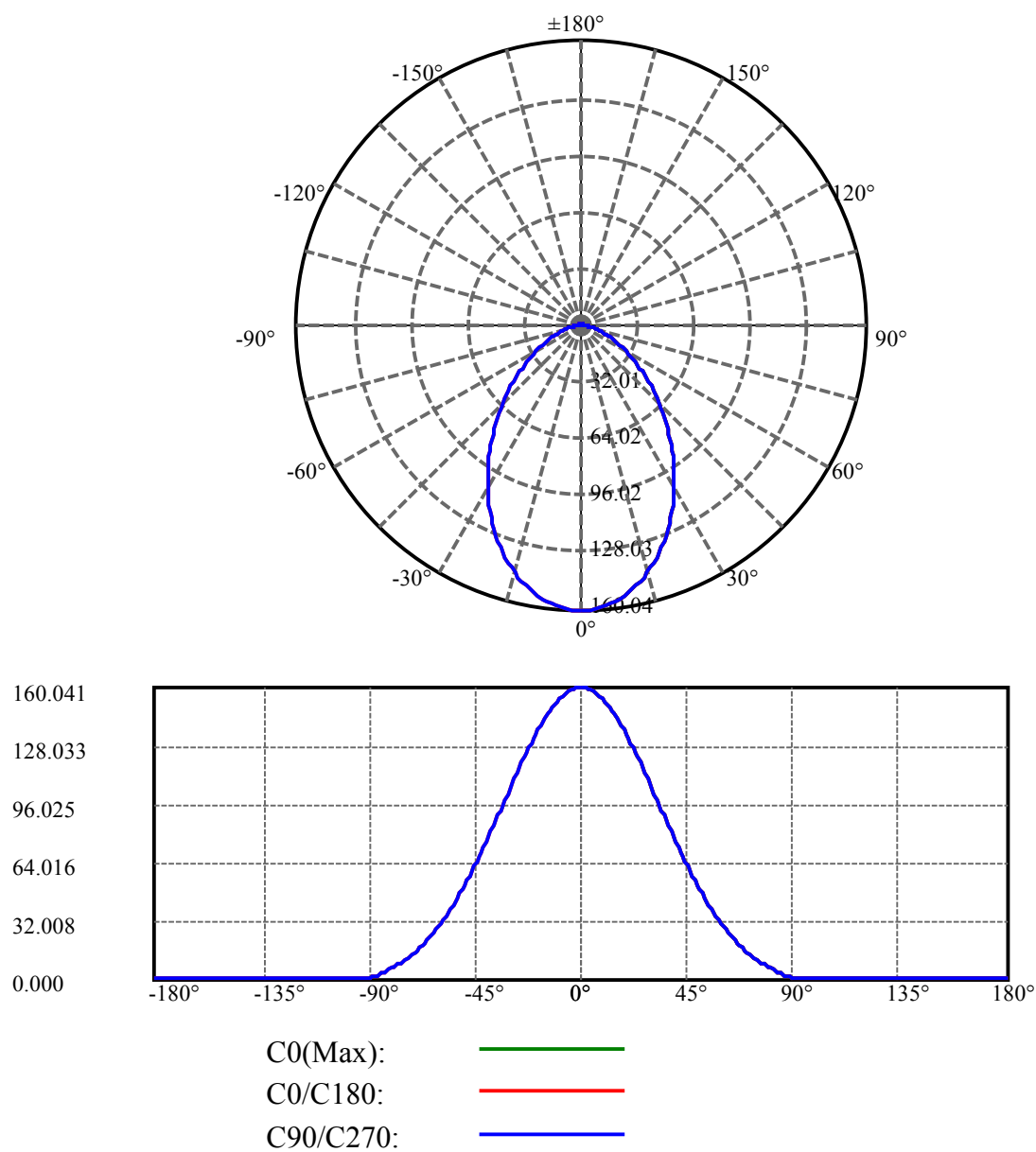
Beam angle of C0 plane : 76.86

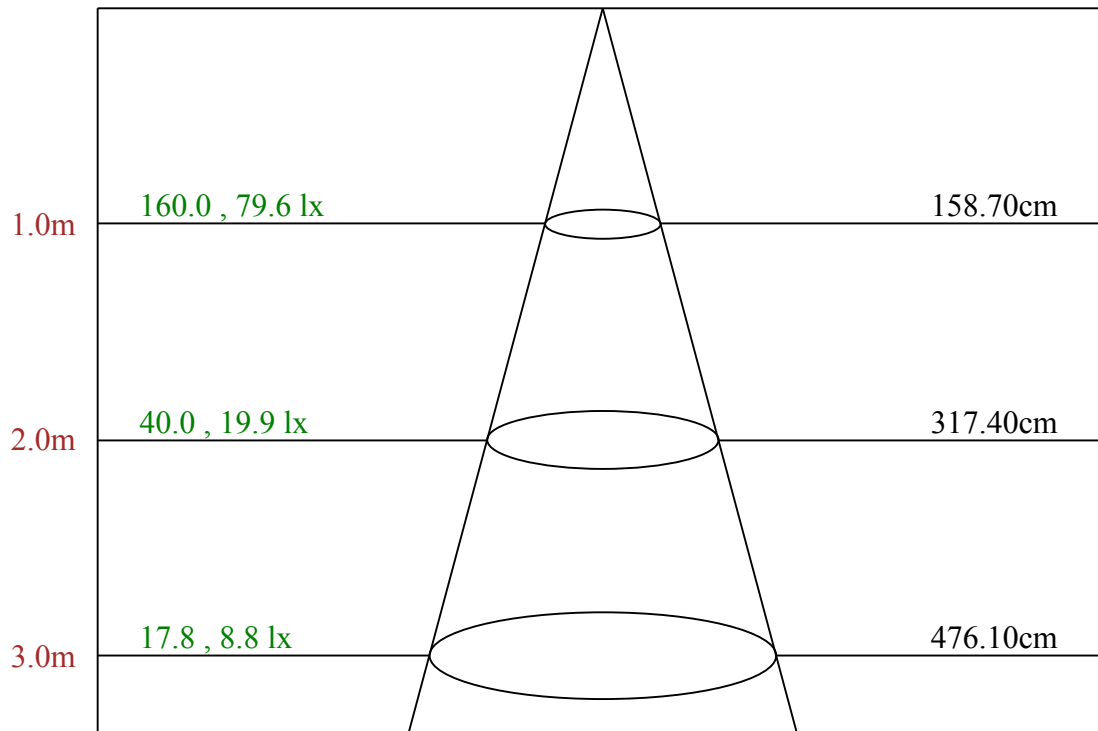
Average BeamAngle(IEC 61341):76.86

Equipment: equipamento lumini
Temperature(°C): 25.0

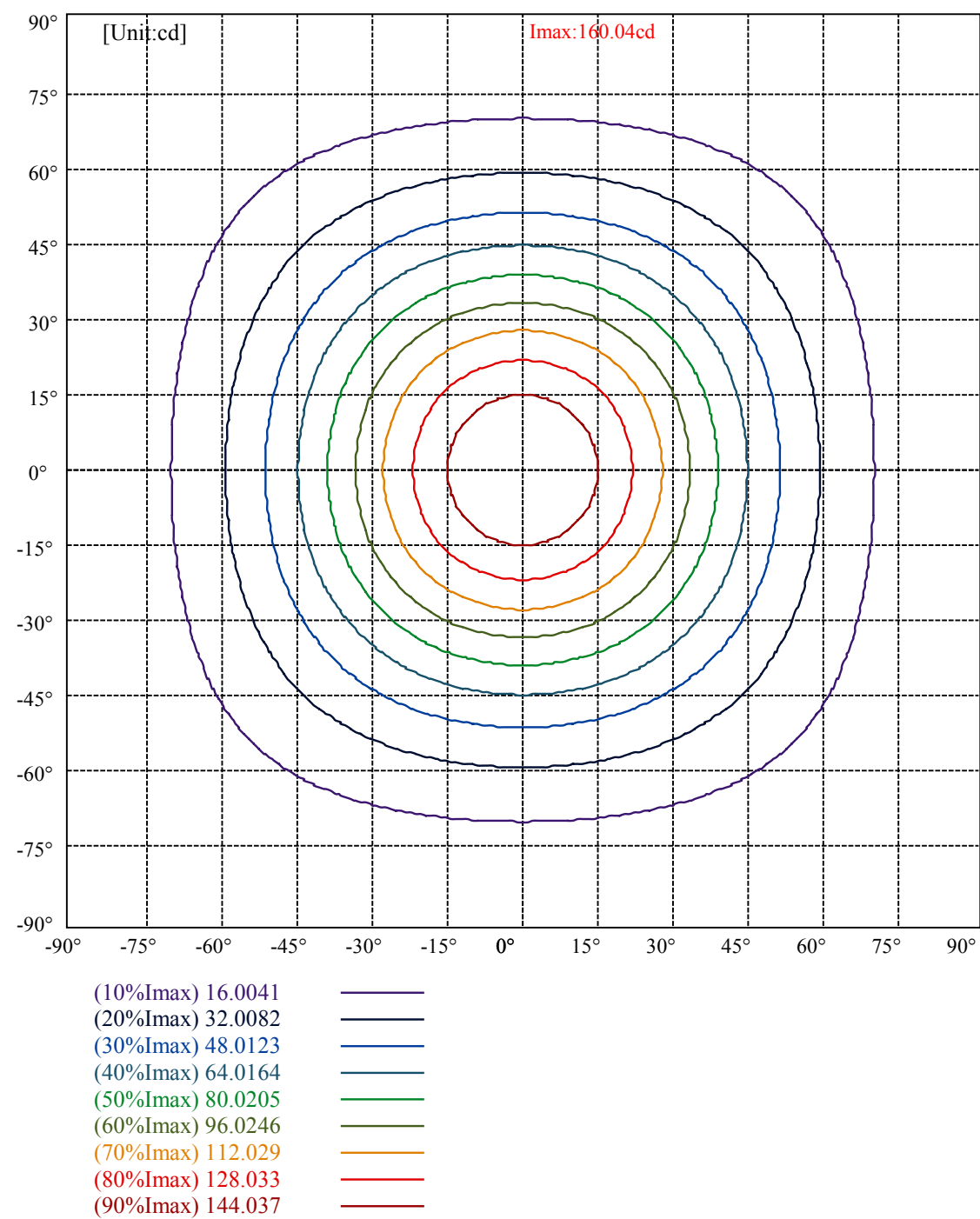
Date: 24/11/2025
Humidity(%): 58.0%

Operator: 01
Distance(m): 6.90





Max , Ave Beam angle of C0 plane 76.86



Luminance Table

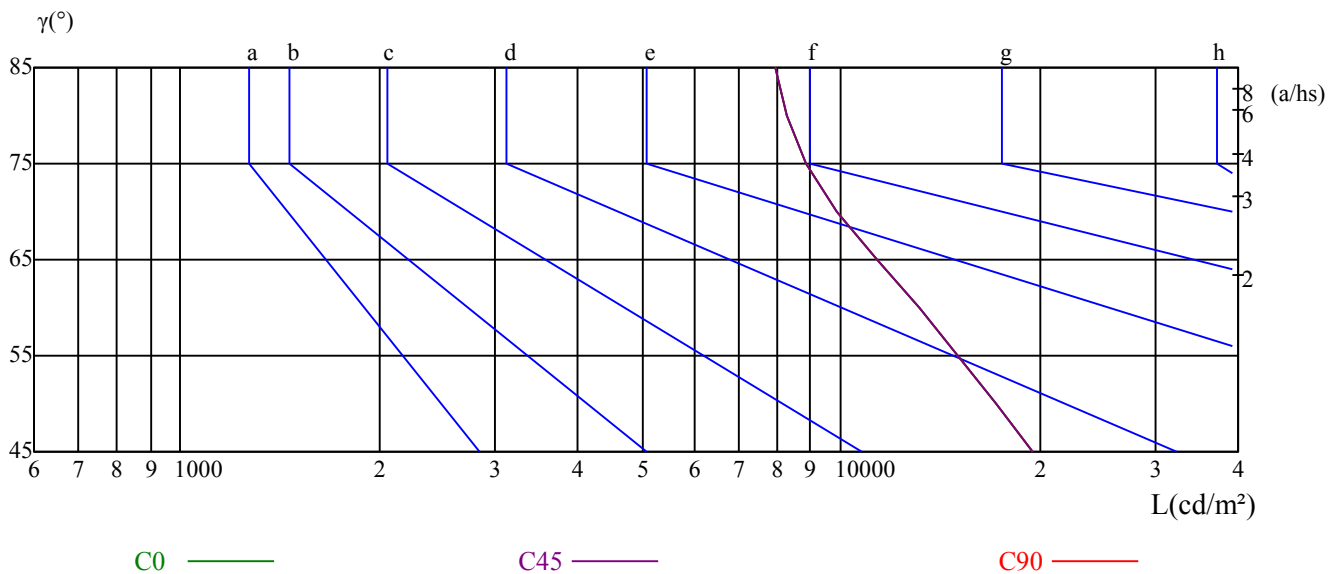
γ	45	50	55	60	65	70	75	80	85
C0	19576	17181	15033	13114	11372	9888	8856	8306	7986
C45	19576	17181	15033	13114	11372	9888	8856	8306	7986
C90	19576	17181	15033	13114	11372	9888	8856	8306	7986

L(Hor)(65)	L(Ver)(65)	L45(65)	L(Hor)(75)	L(Ver)(75)	L45(75)	L(Hor)(85)	L(Ver)(85)	L45(85)
11372	11372	11372	8856	8856	8856	7986	7986	7986

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	22.17	23.59	22.56	23.95	24.32	22.13	23.55	22.53	23.91	24.28
	3H	23.25	24.52	23.66	24.91	25.30	23.18	24.46	23.60	24.84	25.23
	4H	23.64	24.84	24.07	25.23	25.65	23.57	24.77	24.00	25.16	25.58
	6H	24.02	25.12	24.46	25.53	25.98	23.93	25.04	24.38	25.45	25.89
	8H	24.15	25.22	24.60	25.63	26.09	24.05	25.11	24.50	25.53	25.99
	12H	24.26	25.28	24.71	25.71	26.17	24.15	25.17	24.60	25.59	26.05
4H	2H	22.66	23.86	23.09	24.25	24.67	22.63	23.83	23.06	24.22	24.64
	3H	23.90	24.91	24.35	25.33	25.80	23.84	24.85	24.29	25.28	25.74
	4H	24.46	25.35	24.93	25.81	26.29	24.40	25.29	24.87	25.74	26.23
	6H	24.92	25.71	25.42	26.19	26.69	24.85	25.63	25.34	26.12	26.61
	8H	25.15	25.88	25.65	26.37	26.88	25.05	25.78	25.56	26.27	26.78
	12H	25.34	26.02	25.85	26.50	27.05	25.23	25.91	25.74	26.39	26.94
8H	4H	24.65	25.39	25.16	25.87	26.39	24.60	25.33	25.10	25.82	26.33
	6H	25.26	25.87	25.78	26.38	26.93	25.19	25.80	25.71	26.30	26.85
	8H	25.62	26.16	26.17	26.70	27.24	25.53	26.06	26.08	26.61	27.15
	12H	25.91	26.36	26.47	26.90	27.46	25.80	26.25	26.36	26.79	27.35
12H	4H	24.67	25.35	25.18	25.83	26.39	24.62	25.30	25.13	25.78	26.33
	6H	25.37	25.90	25.92	26.45	26.99	25.30	25.83	25.85	26.38	26.92
	8H	25.74	26.19	26.30	26.73	27.29	25.65	26.10	26.21	26.64	27.20
Variation with the observer position at spacings:											
S = 1.0H		0.3/-0.6					0.3/-0.6				
S = 1.5H		0.7/-1.1					0.7/-1.1				
S = 2.0H		1.6/-1.4					1.6/-1.4				
Standard tables:		BK3					BK3				
Uncorrected UGR		6.0					6.0				

依据CIE Publ. 117 计算 UGR, S/H = 0.25