

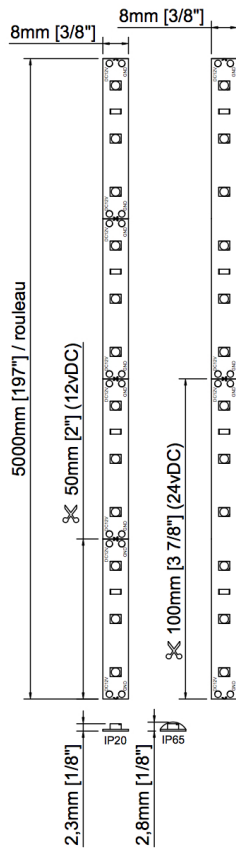
# TITANIUM

## TECHNOLOGY

TT-3528-L300



- 5m roll of SMD3528 LED Strip in 5 meter roll.



Voltage	<b>12vDC</b>	<b>24vDC</b>
LED/m	60 / m	
Power	5,8w / m 1,77w / feet 29w / roll	
Amperage	0,49A / m 0,15A / feet 2,42A / roll	0,25A / m 0,07A / feet 1,21A / roll
Lumen	27K - 38 lm / feet 30K - 45 lm / feet 35K - 51 lm / feet 40K - 37 lm / feet 60K - 35 lm / feet	28 lm / w 32 lm / w 35 lm / w 28 lm / w 25 lm / w
CRI (RA)	90	
Angle	120°	
Size	IP20	10mm x 2,3mm x 5000mm $\frac{3}{8}$ " x $\frac{1}{8}$ " x 196 $\frac{7}{8}$ "
	IP65	10mm x 2,8mm x 5000mm $\frac{3}{8}$ " x $\frac{1}{8}$ " x 196 $\frac{7}{8}$ "
	IP67	13mm x 5mm x 5000mm $\frac{1}{2}$ " x $\frac{3}{16}$ " x 196 $\frac{7}{8}$ "
Cut line	50 mm 2"	100 mm 4"
Finish	White	
Dimmable	Yes	
LED Colour	<b>27K</b> - Warm white 2700K <b>30K</b> - Warm white 3000K <b>35K</b> - Neutral white 3500K <b>40K</b> - Neutral white 4000K <b>60K</b> - Cold white 6000K <b>R</b> - Red <b>G</b> - Green <b>B</b> - Blue <b>A</b> - Amber	
Working temp.	-40°C ~ 70°C	
IP	<b>20, 65, 67</b>	

### PRODUCT CODE

TT	- SMD	- LED PER ROLL	- IP	- LED COLOR	- VOLTAGE
TT	- 3528	- L300	- 20	- 27K	- 24V
TT	- 3528	- L300	-	-	-

# IES Indoor Report

Photometric Filename:TT-3528-L300-3000K-1-NO LENS.IES

## Indoor Luminaire Photometric Data

### Description Information

Luminaire Name: TT-3528-L300-3000k-1-NO lens	Luminaire Catalog:	Test ID:
Lamp Name: TT-3528-L300-3000k-1-NO lens	Lamp Catalog: 2216	Test Date: 2021/03/18
Manufacture: TITANIUM TECHNOLOGIE	ShieldingAngle(°):	Test Machine: GON-2000
Test Lab:	Frequency(Hz):	Luminaire CCT(K):
Luminaire Size(W*L*H): 0.120*0.304*0.060	Lighting Area(m2): 0.055	Luminaire Weight(kg): 0.100
Test System: C, $\gamma$	Test Step: C=45.0 $\gamma$ =1.0	Temperature(°C): 25
		Humidity(%):

### Character Parameter

Lamp Speciality Parameter	
Lamp Rated Lumens(lm): 448.000	Lamp Number in Luminaire: 1
Lamp Norminal Power(W):	Lamp Rated Voltage(V):
Lamp Tested Power(W): 1.415	Lamp Tested Voltage(V): 12.3
Lamp Tested Current(A): 0.114	Lamp Tested PF:
Lamp Size(W*L*H): 0.120*0.304*0.060	
Luminaire Speciality	
Luminaire Lumens(lm): 44.700	Beam Angle(10%Imax): 86.5
Luminaire Efficiency: 9.98%	Left=-38.4 Right=48.2
Luminaire EER(lm/W): 31.590	Field Angle(10%Imax): 111.1
Muximum Cand.(cd): 25.522	Spacing Criteria S/MH(C0_180): 1.190
Max Cd. Angle(°): C=180.0 $\gamma$ =6.0	Spacing Criteria S/MH(C90_270): 1.167
Downward Lumens(lm): 44.700	CIE Type: Semi-Direct
Upward Lumens(lm): 0.000	ErP $\phi$ use(90deg): 35.328lm
Downward Total Efficiency%: 100.00	IRF(%): 148.471
Upward Total Efficiency%: 0.00	

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## 2D Light Intensity Distribution Curve

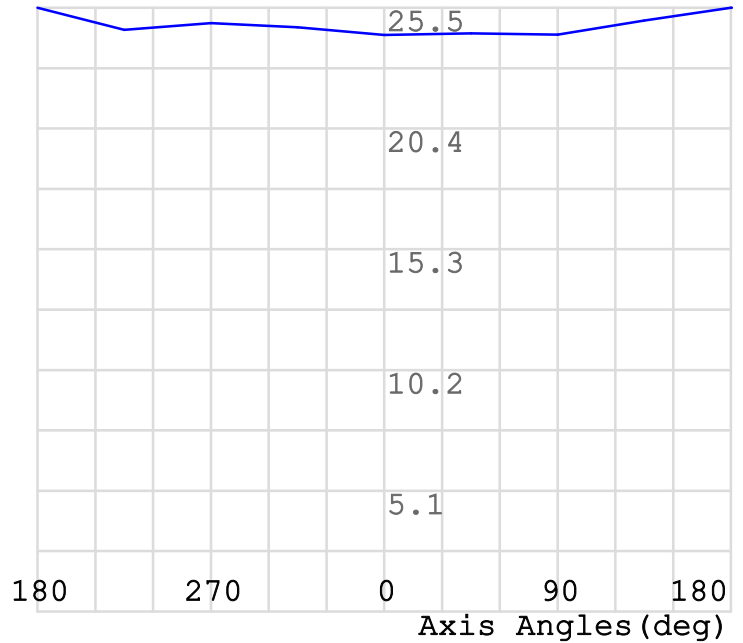
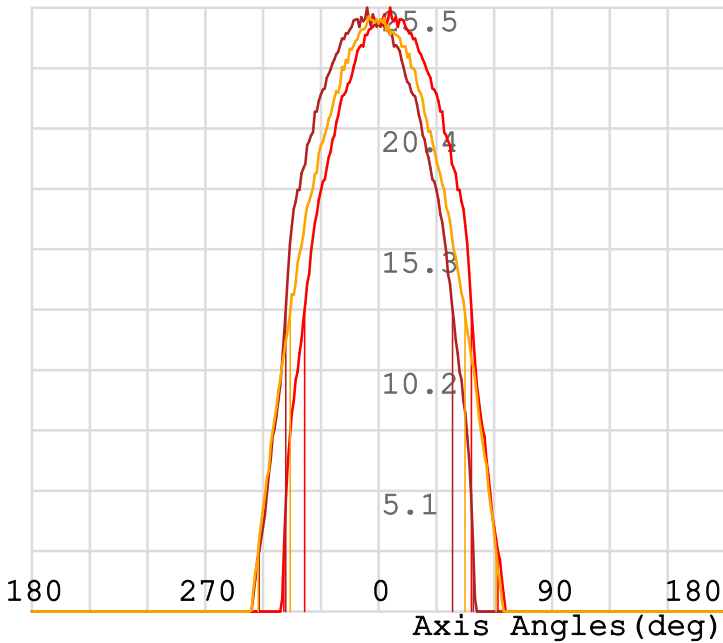
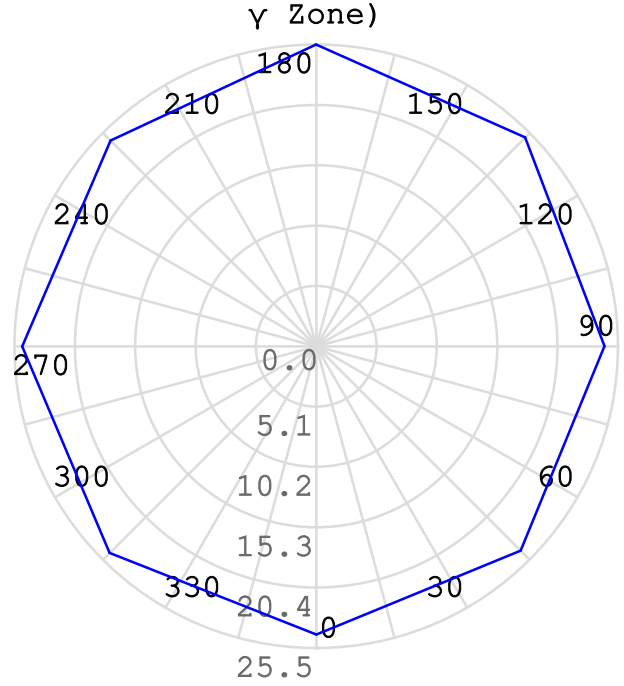
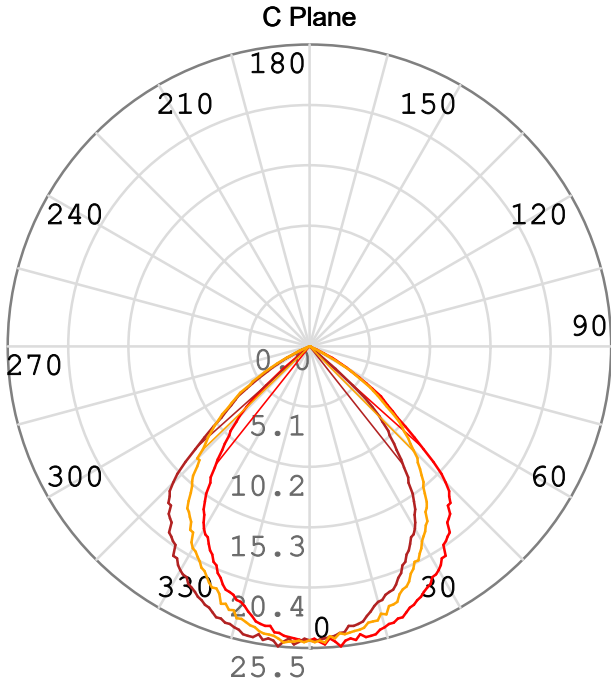
Plane [50%Ang.] [10%Ang.]

C180.0: 86.5 111.1

C0.0: 86.5 111.1

C90.0: 90.7 123.6

Polar Graph



C Plane: C180.0\_360.0 ——— C0.0\_180.0 ———

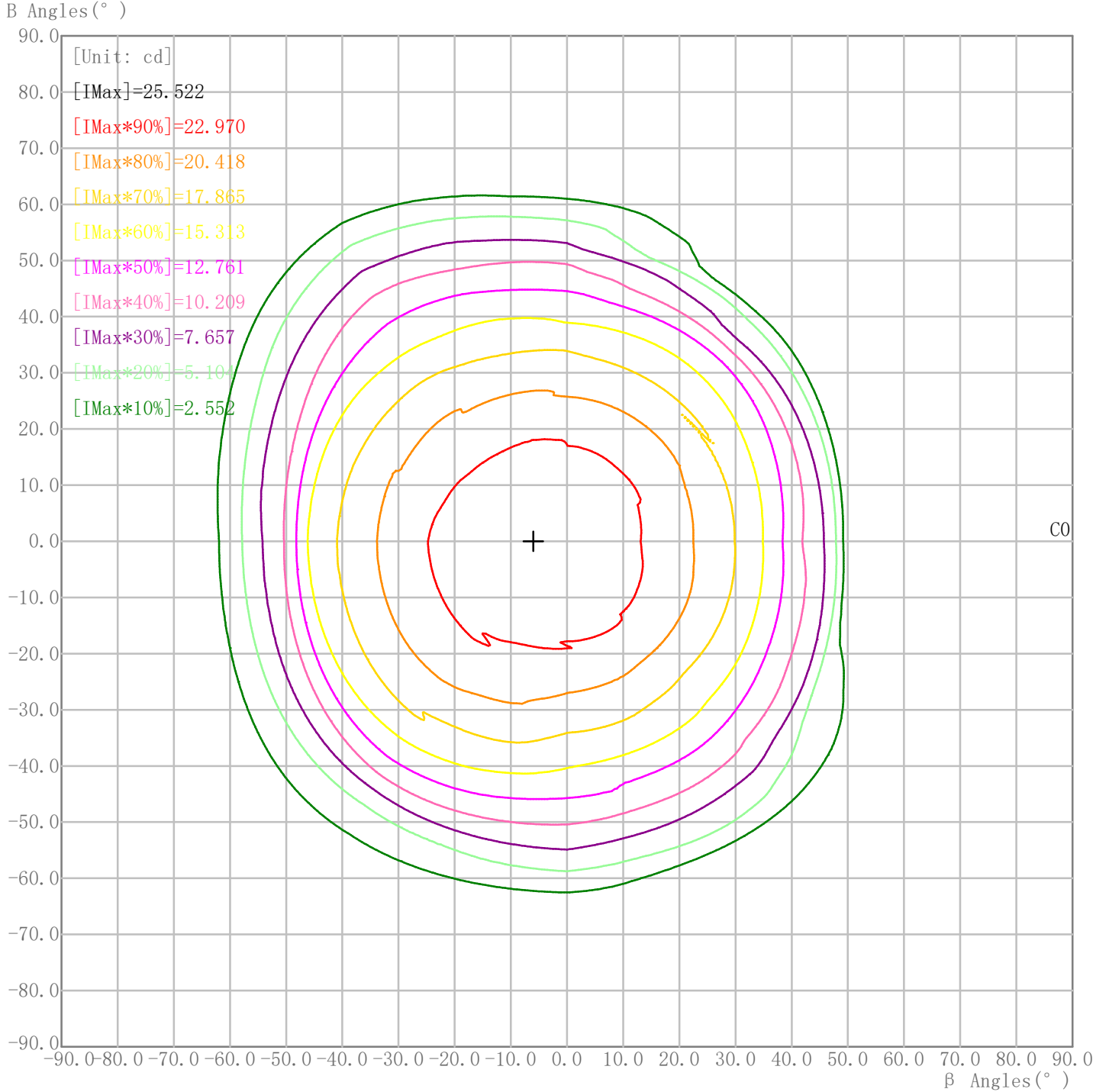
γ Cone: γ6.0 ———

C90.0\_270.0 ———

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## Rectangle ISO Light Intensity Curve



Curves: 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10%

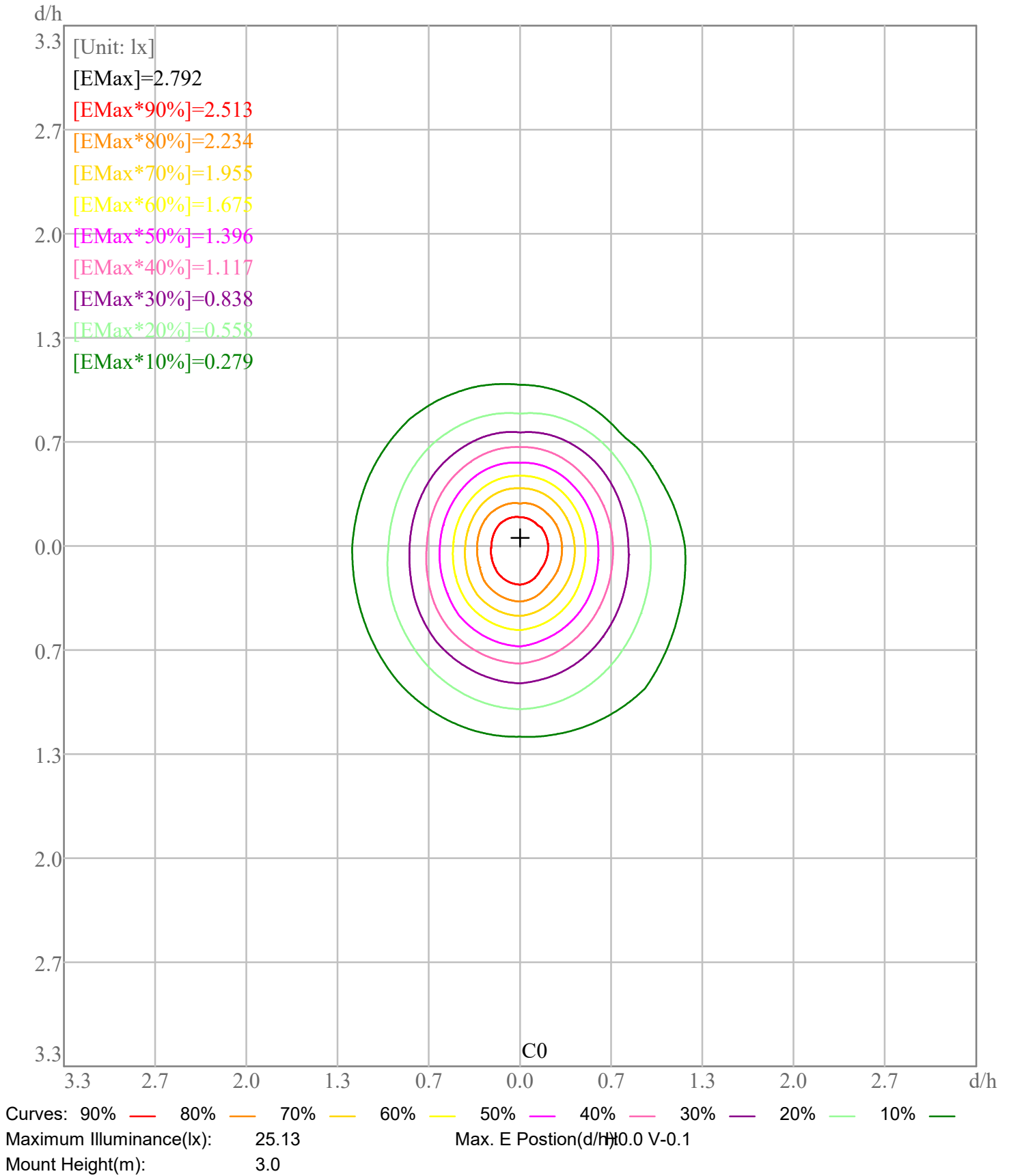
Maximum Light Intensity(cd): 25.52

Maximum Cd. Angles: H-6.0 V0.0

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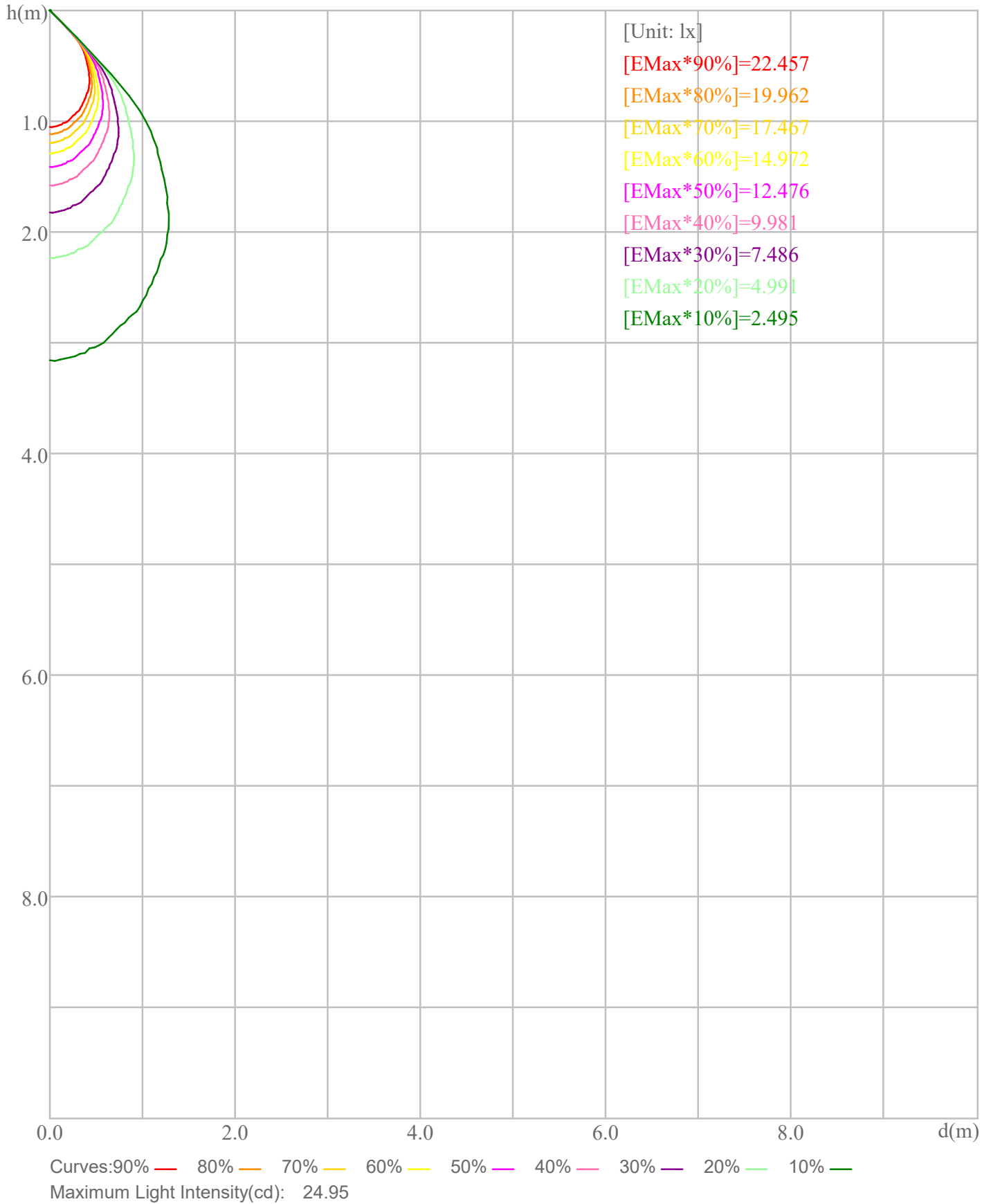
## Plane ISO-Illuminance Curve



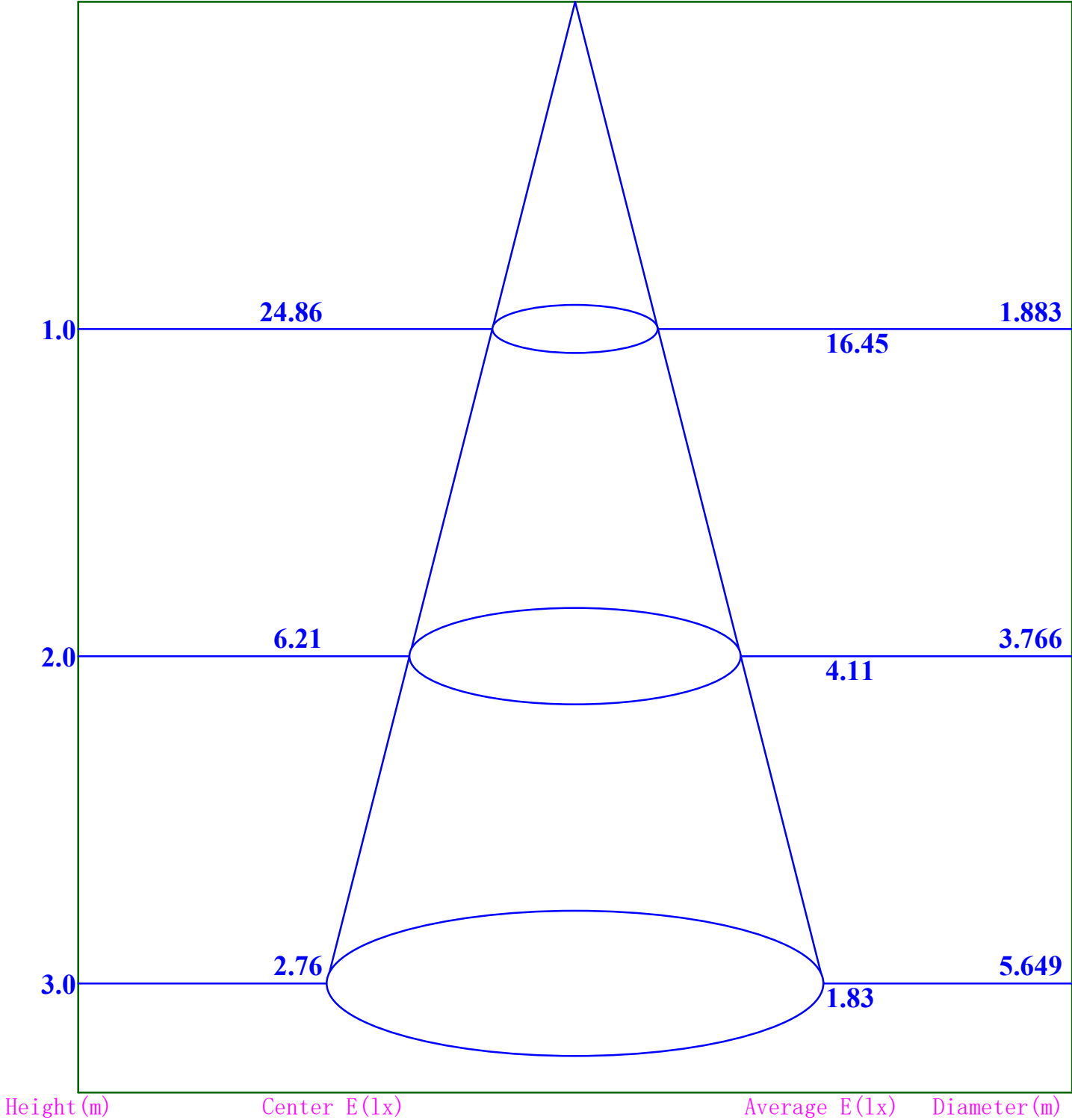
# IES Indoor Report

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## Space ISO Illuminance Curve



Illuminance-Distance Curve



**Beam Angle:86.5**

# IES Indoor Report

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## Indoor Luminance Limiting Curve

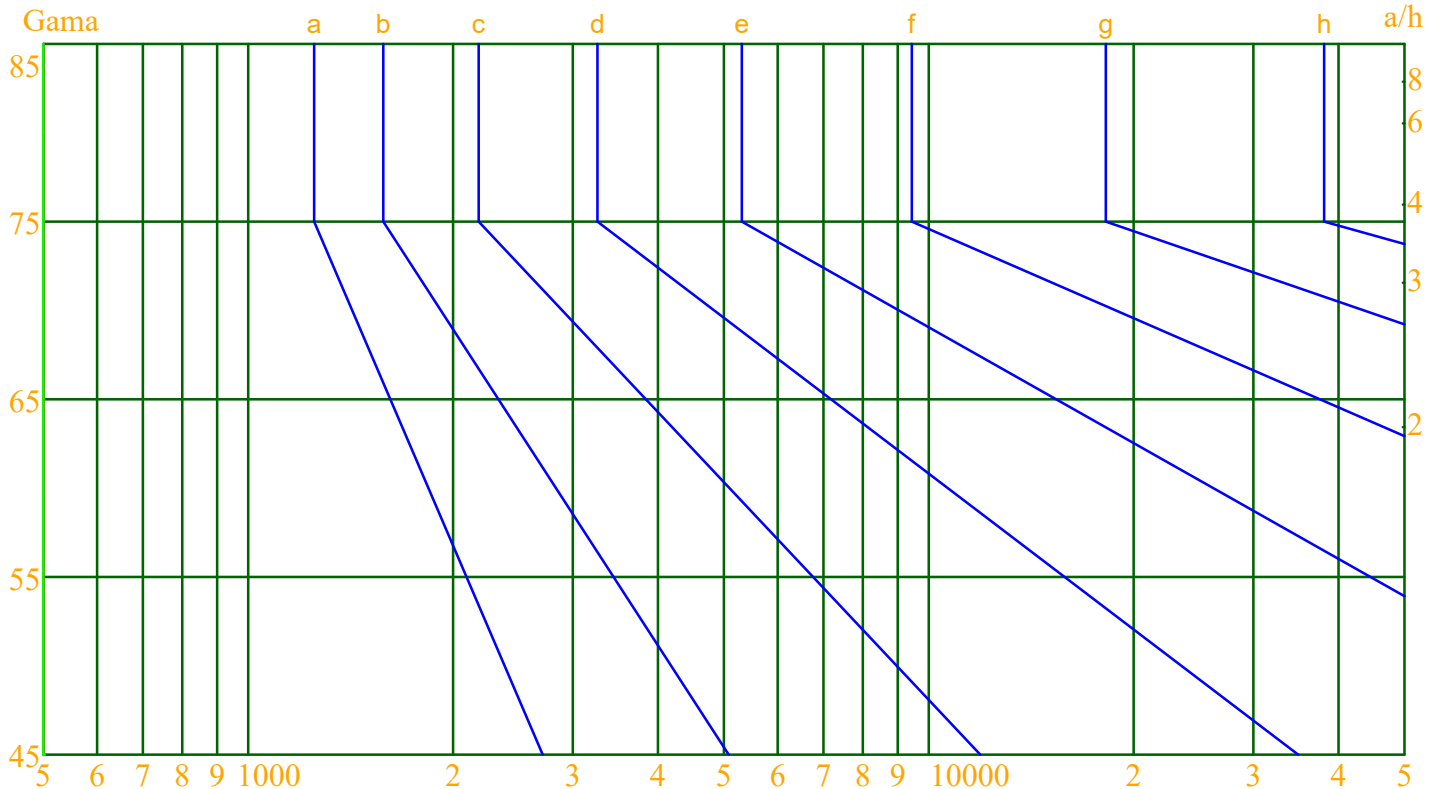
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
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 Table

Gama(deg)	45	50	55	60	65	70	75	80	85
C0	216	16	0	0	0	0	0	0	0
C90	322	280	210	121	0	0	0	0	0

Luminance Limiting Curve



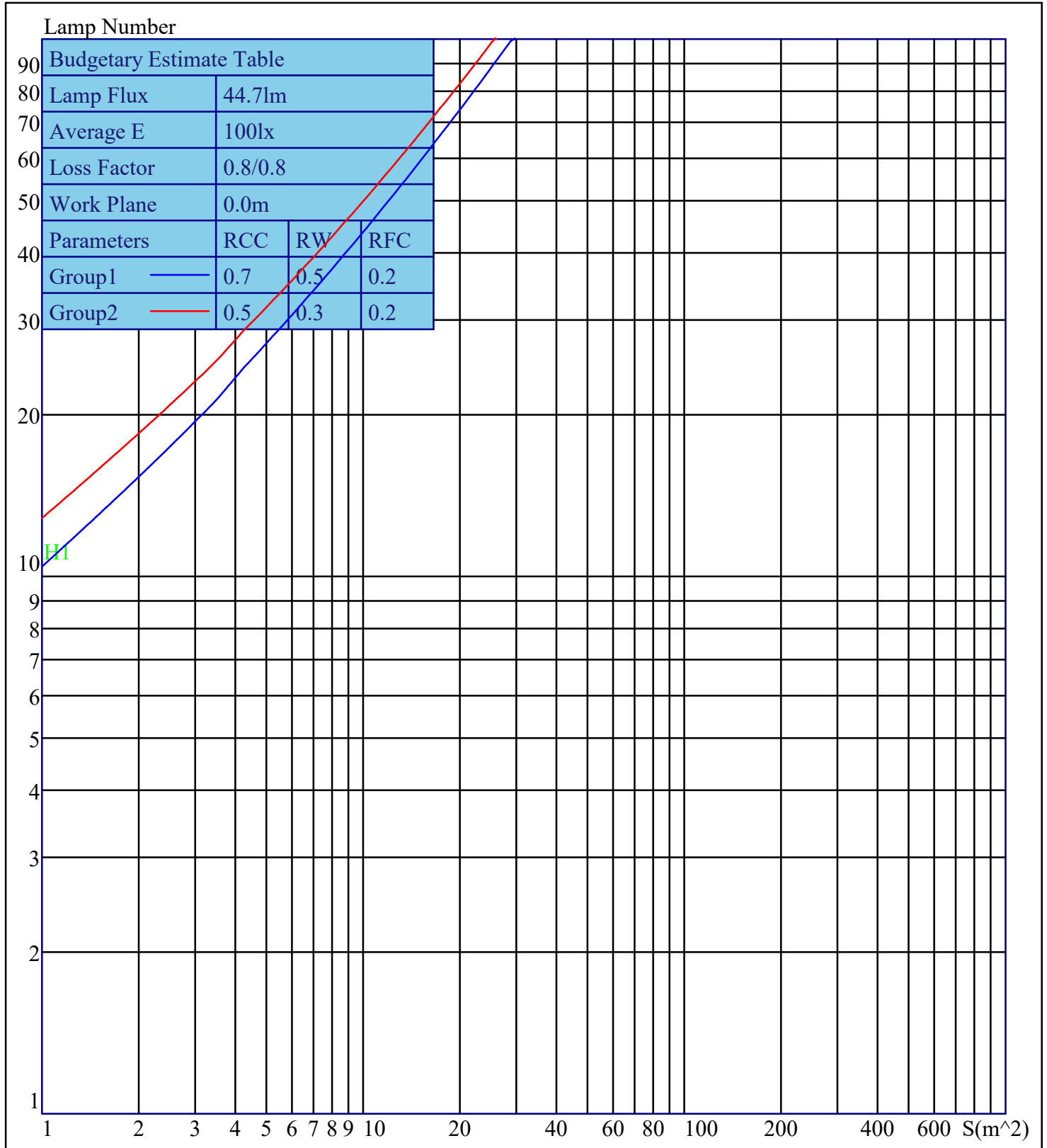
Luminous Size: Length(m)=0.304    Width(m)=0.120    Height(m)=0.060    Area(m<sup>2</sup>)=0.054720  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: —    C90-C270 Color: —



# IES Indoor Report

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## Indoor Budgetary Estimate Table



Parameters1: Rhocc = 0.7    Rhow = 0.5    Rhofc = 0.2    LLF = 0.8  
 Parameters2: Rhocc = 0.5    Rhow = 0.3    Rhofc = 0.2    LLF = 0.8  
 Average Illuminance(lx): 100    Cavity Height: H1(m) = 2