

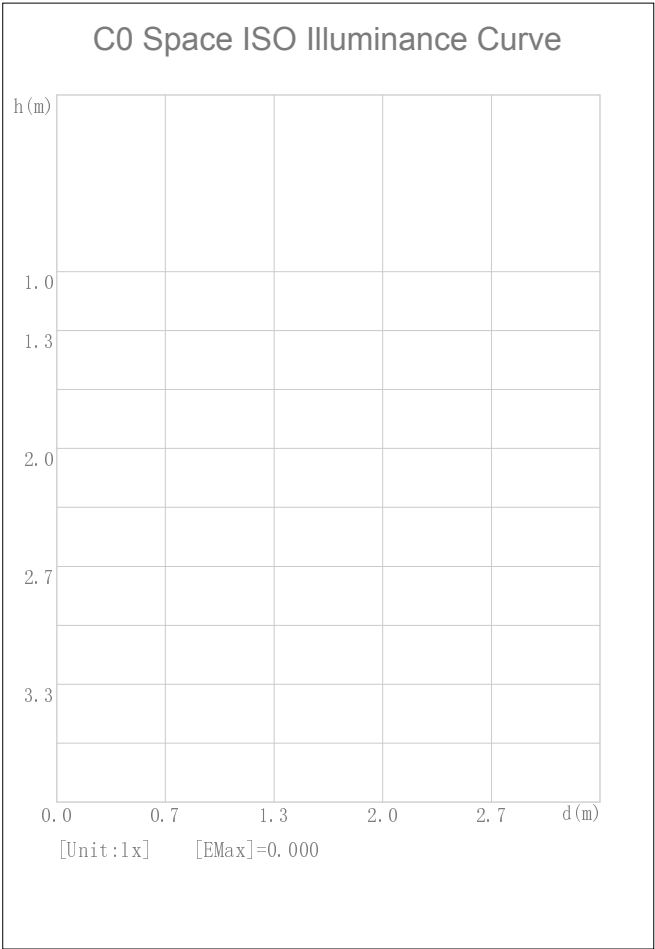
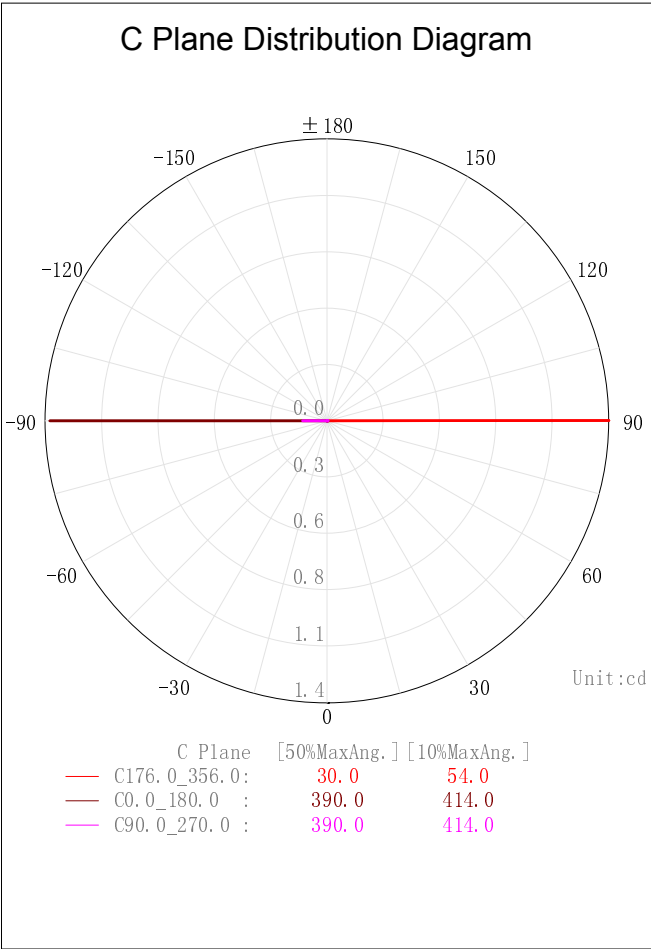
Indoor Luminaire Photometric Data

Description Information

Luminary Name:		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2025/08/26
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.050m*-0.050m*0.000m		Lum. Area(m2):0.002	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=1.0 γ=30.0	Temp.(°C): 25	Humidity(%):

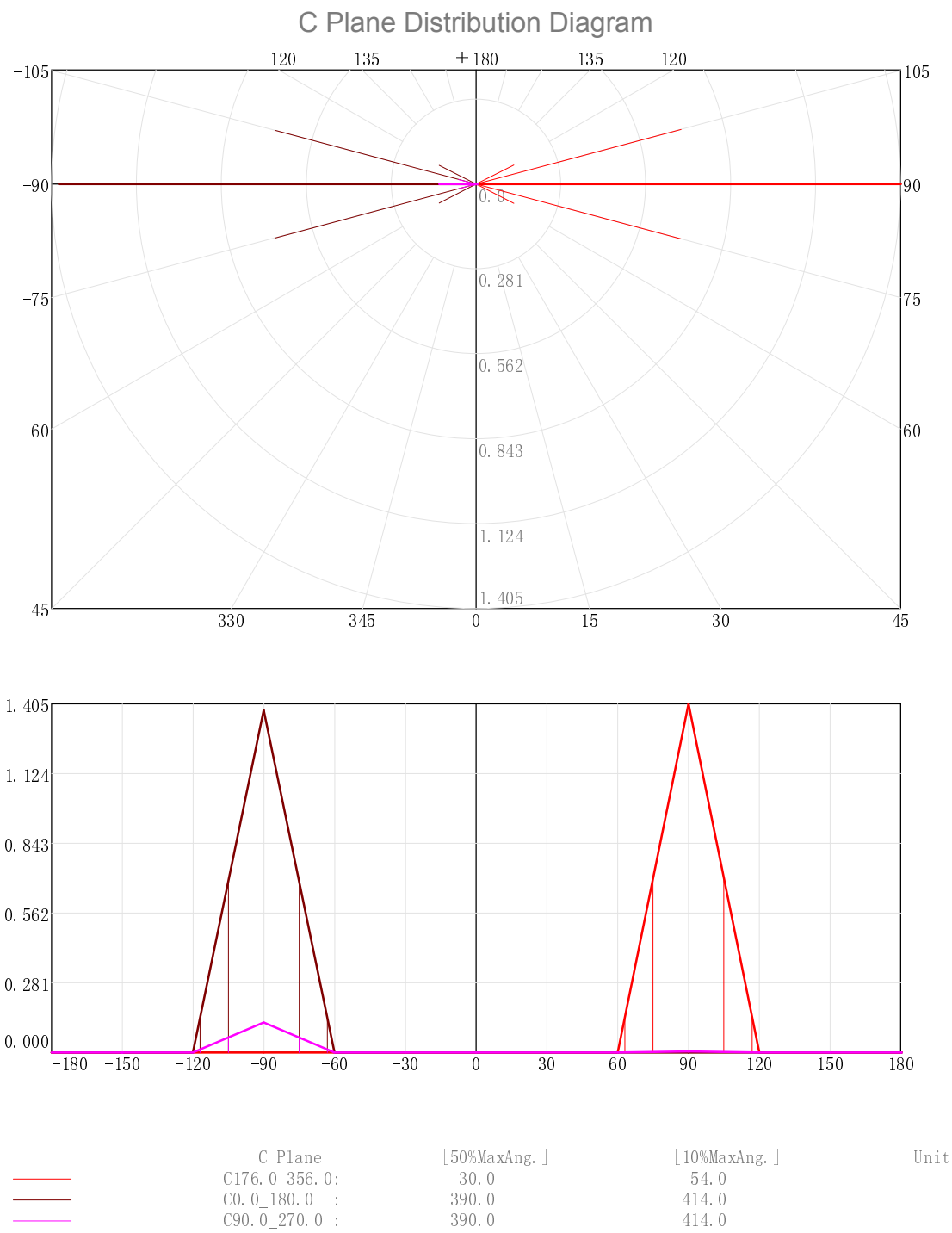
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 0.460	Luminary Flux(lm): 0.462	Field Angle(10%Imax): 54.0(°)
Rated Power(W): 2.7	Luminary Efficiency: 100.51%	Down Lumens&Percent: 0.231lm 50.00%
Rated Voltage(V): 24	Luminary EER(lm/W): 0.171	Up Lumens&Percent: 0.231lm 50.00%
Tested Power(W): 2.707	Max. Candela(cd): 1.405	S/MH: C0_a180=1.155 C90_270=1.155
Lamps' Inside: 1	Max Cand@Ang.(°): C=176.0 γ=90.0	CIE Type: Semi-Indirect
Tested Electrics(V, A, pf):24.0, 0.112	Beam Angle(50%Imax): 30.0(°)	ErP Φuse(90°): 0.0001m
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=75.0°, Right=105.0°	IRF(%): -1.#IO



2D Plane Light Intensity Distribution Curve

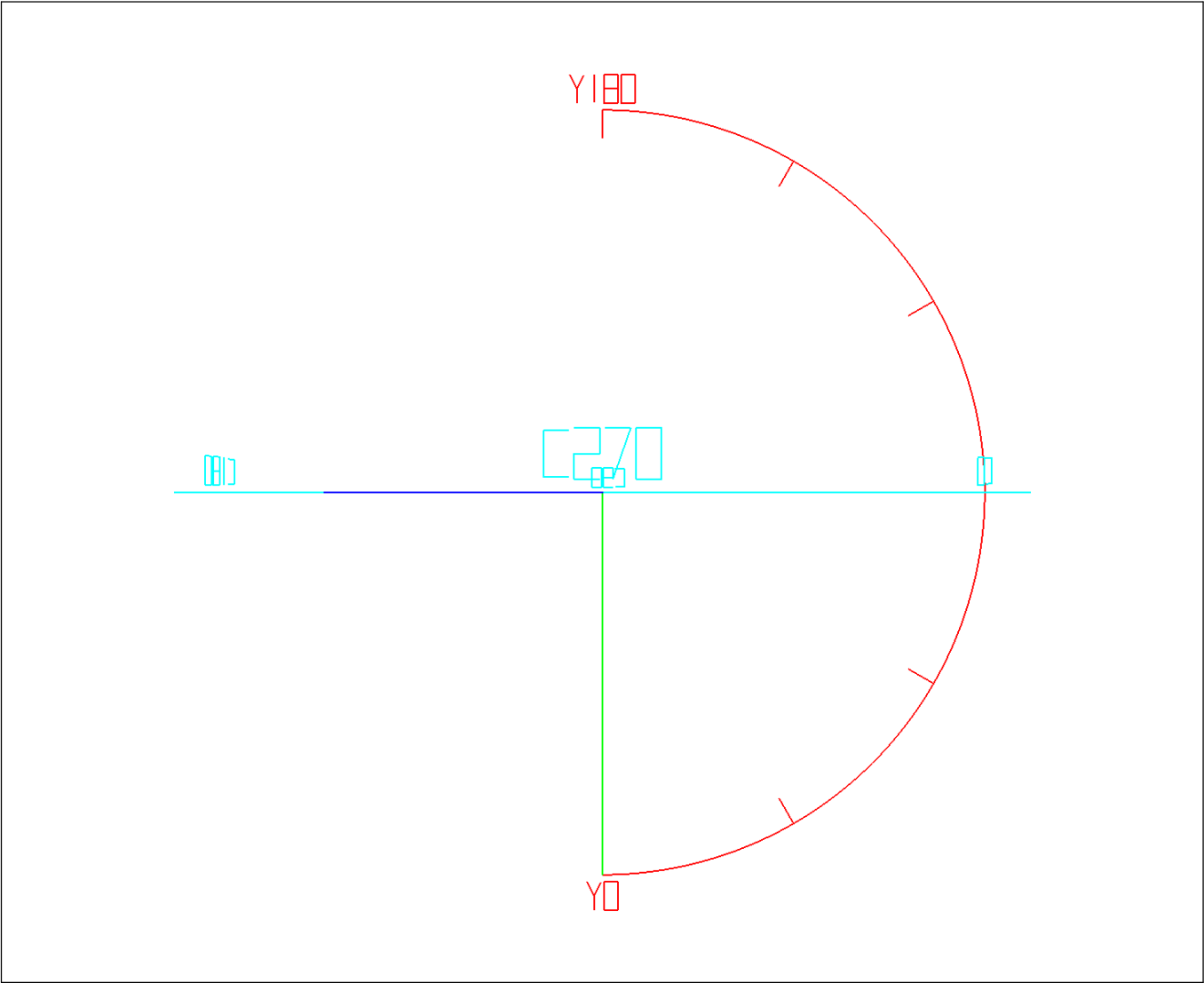
Lum. Name :	Lum. Catalog :	Test ID :
Lamp Name :	Lamp Catalog :	Test Lab :
Manufacture :	Test Machine:GON-2000	Test Date: 2025/08/26



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/26

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

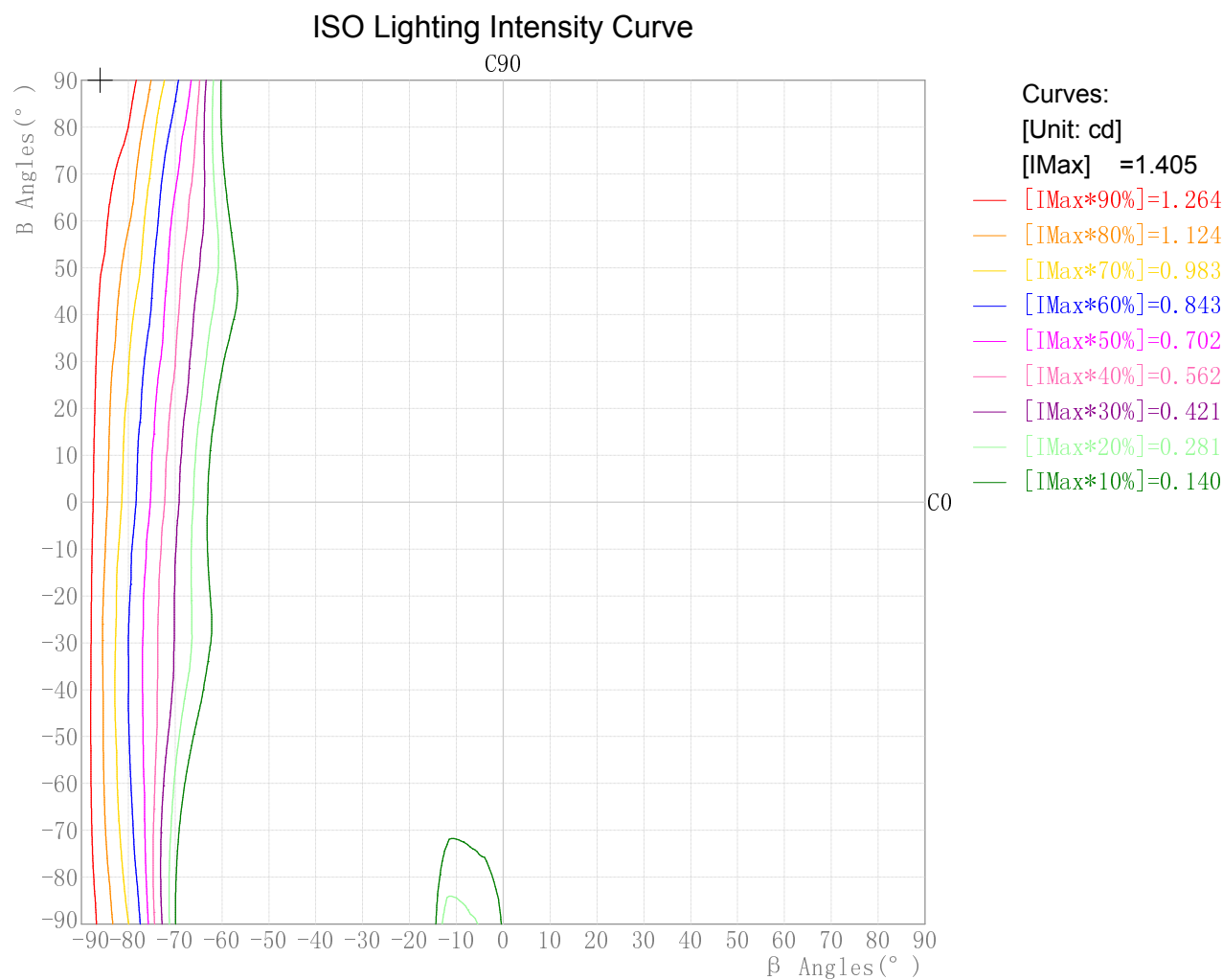
Spin:0

Zonal Flux Tabulation

Zone( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-30. 0	0. 00	0. 00	0. 00	0. 00
30. 0-60. 0	0. 00	0. 00	0. 00	0. 00
60. 0-90. 0	0. 23	0. 23	50. 25	50. 25
90. 0-120. 0	0. 23	0. 46	50. 25	100. 51
120. 0-150. 0	0. 00	0. 46	0. 00	100. 51
150. 0-180. 0	0. 00	0. 46	0. 00	100. 51

Rectangle ISO Lighting Intensity Diagram

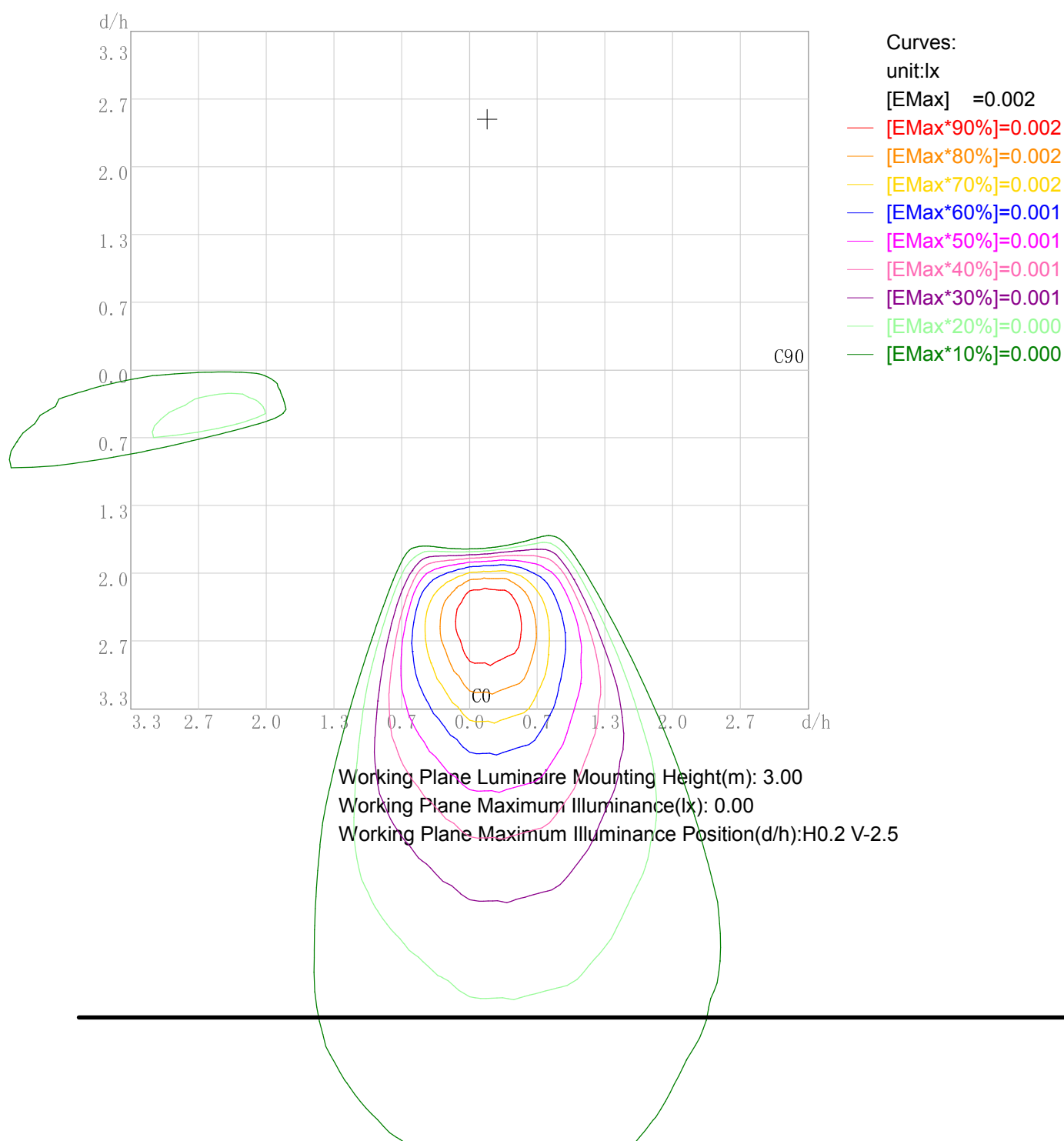
Lum. Name :	Lum. Catalog:	Test ID:
Lamp Name :	Lamp Catalog:	Test Lab:
Manufacture :	Test Machine:GON-2000	Test Date: 2025/08/26



Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/26

Plane ISO-Illuminance Curve

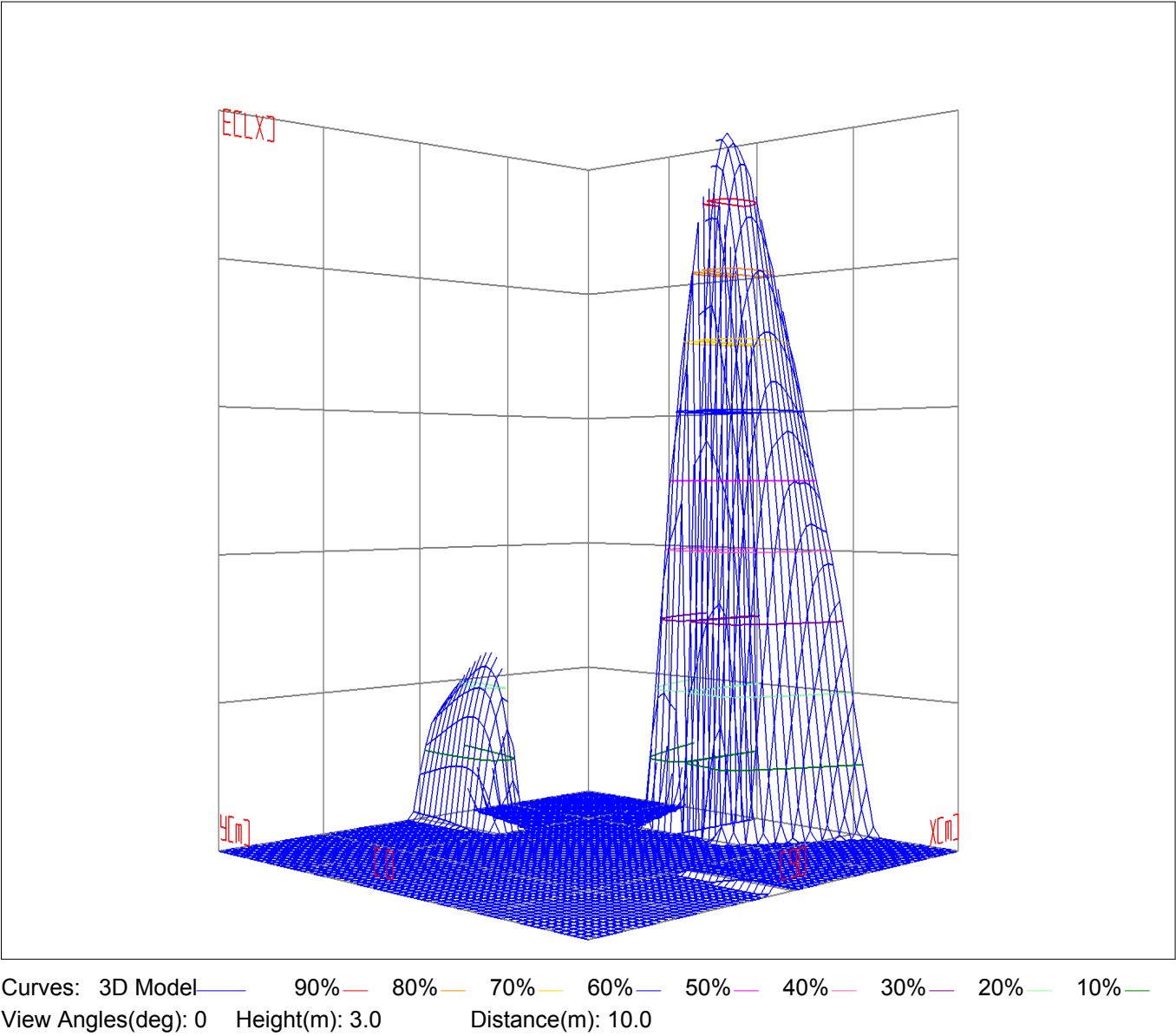


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 0.00  
Working Plane Maximum Illuminance Position(d/h):H0.2 V-2.5

3D Plane ISO Illuminance Diagram

Lum. Name :	Lum. Catalog :	Test ID :
Lamp Name :	Lamp Catalog :	Test Lab :
Manufacture :	Test Machine :GON-2000	Test Date: 2025/08/26

3D Plane Illuminance Modal



**Photometric Filename:UL-1021-0300-A-C3.IES**

## Space ISO Illuminance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/26

## Space ISO Illuminance Curve

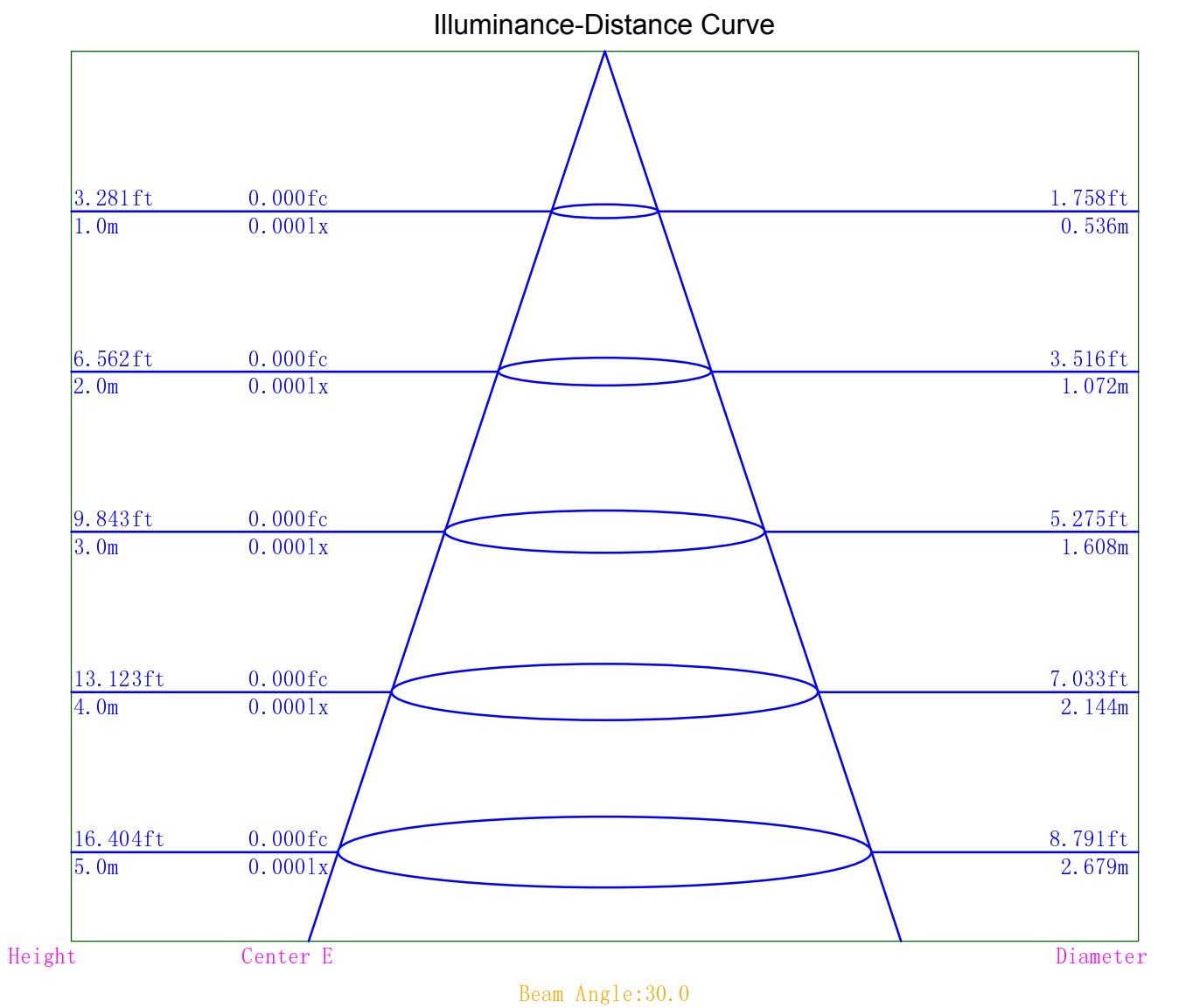
Curves:  
[Unit: lx]  
[EMax] =0.000

Space Plane Maximum Illuminance and @Angle:0.00lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:0.000cd,0eg



Illuminance-Distance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/26



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/26

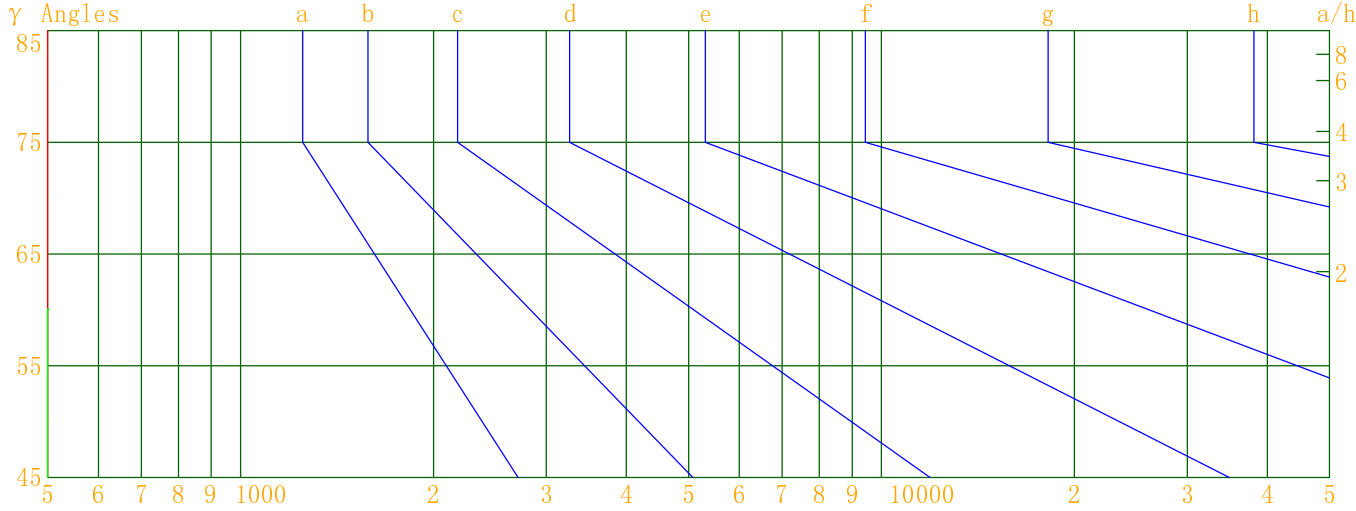
Glare Grade Table

GI	Quality	Using Illuminance							
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	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	1	2	4	8	19

Luminance Limiting Curve



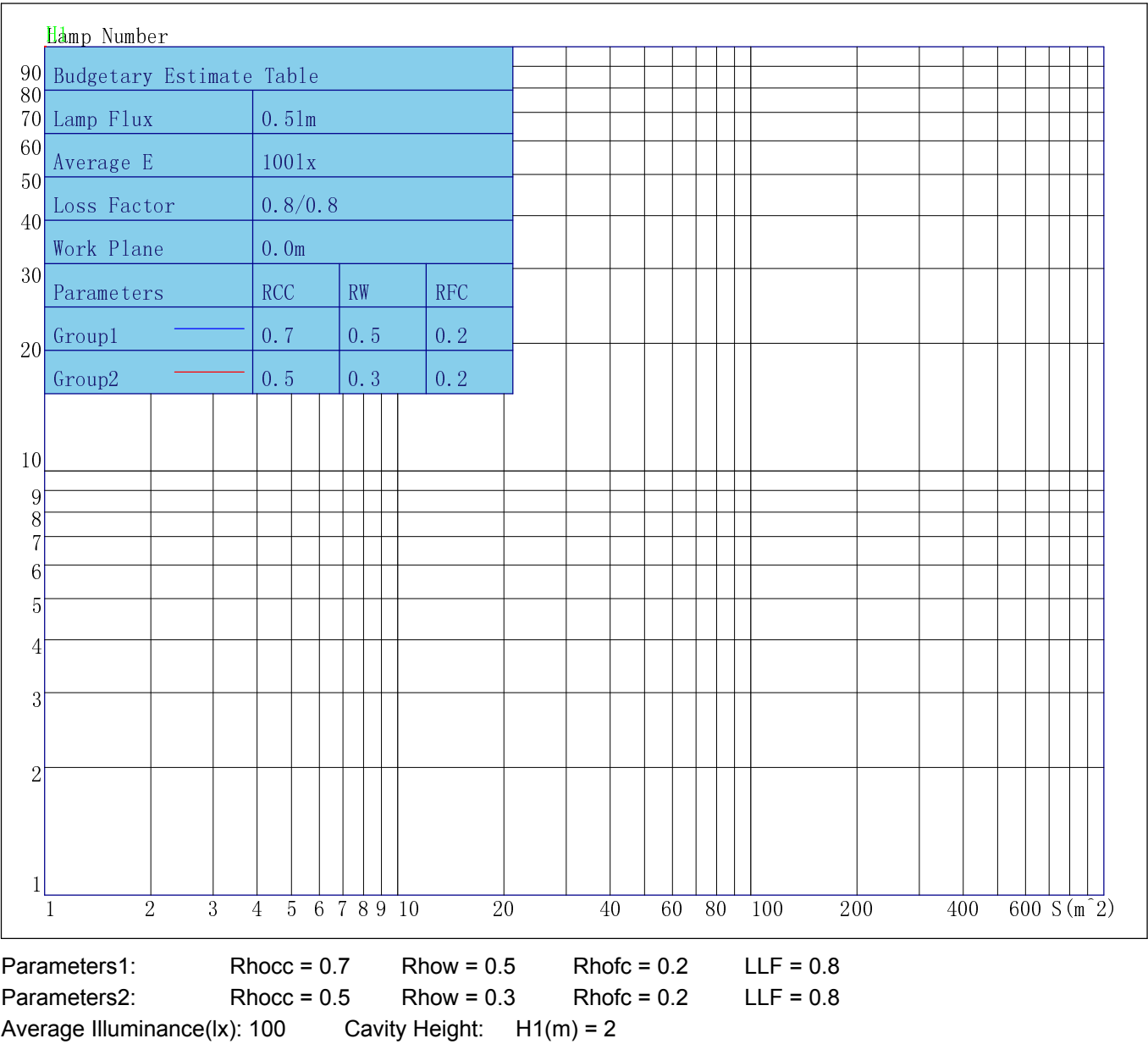
Luminous Size:    Length(m)=-0.050    Width(m)=-0.050    Height(m)=0.000    Area(m^2)=0.001963

Luminous Type:    Without Luminous Side

Luminous Curves: C0-C180 Color:    C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/26



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/26

Coefficients of Utilization – Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization(%)																	
0	109	109	109	109	102	102	102	102	87	87	87	74	74	74	63	63	63	57
1	86	76	66	58	78	69	60	53	56	49	43	44	39	34	33	29	25	19
2	74	60	49	39	67	54	44	35	43	35	28	33	26	20	24	18	13	8
3	66	50	39	29	59	45	35	26	36	27	20	27	20	14	19	13	8	4
4	60	44	32	23	53	39	29	20	31	22	15	23	16	11	16	10	6	2
5	54	38	27	19	49	35	24	17	27	19	13	21	14	8	14	9	4	1
6	50	34	24	16	45	31	21	14	25	17	11	19	12	7	13	8	4	0
7	46	31	21	14	42	28	19	12	22	15	9	17	11	6	12	7	3	0
8	43	28	19	12	39	25	17	11	20	13	8	16	10	5	11	6	3	0
9	40	26	17	11	36	23	15	9	19	12	7	15	9	5	11	6	2	0
10	38	23	15	9	34	21	14	8	17	11	6	14	8	4	10	5	2	0

Unified Glare Rating Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/26

Unified Glare Rating Table

Ceiling RCC		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size		Vewed crosswise					Vewed endwise				
X=2H	Y=2H	-30.1	-29.0	-29.2	-28.0	-26.8	-34.4	-33.2	-33.5	-32.3	-31.0
	Y=3H	-30.3	-29.2	-29.4	-28.3	-27.0	-18.5	-17.4	-17.6	-16.4	-15.2
	Y=4H	-30.4	-29.4	-29.5	-28.4	-27.1	-12.8	-11.8	-11.9	-10.8	-9.5
	Y=6H	-30.5	-29.5	-29.6	-28.6	-27.3	-7.6	-6.6	-6.7	-5.6	-4.3
	Y=8H	-30.6	-29.6	-29.7	-28.6	-27.3	-4.7	-3.8	-3.8	-2.8	-1.5
	Y=12H	-30.6	-29.7	-29.7	-28.7	-27.4	-1.7	-0.7	-0.7	0.3	1.6
X=4H	Y=2H	-30.4	-29.4	-29.5	-28.4	-27.1	-16.0	-15.0	-15.1	-14.0	-12.7
	Y=3H	-30.7	-29.7	-29.7	-28.7	-27.4	-14.9	-13.9	-14.0	-12.9	-11.7
	Y=4H	-30.8	-29.8	-29.8	-28.9	-27.6	-12.0	-11.1	-11.1	-10.1	-8.8
	Y=6H	-30.9	-30.0	-29.9	-29.0	-27.7	-7.6	-6.8	-6.7	-5.8	-4.5
	Y=8H	-30.9	-30.1	-30.0	-29.1	-27.8	-4.9	-4.1	-4.0	-3.1	-1.8
	Y=12H	-31.0	-30.2	-30.0	-29.2	-27.9	-1.7	-0.9	-0.7	0.1	1.4
X=8H	Y=4H	-30.9	-30.1	-30.0	-29.1	-27.8	1.3	2.1	2.2	3.1	4.4
	Y=6H	-31.0	-30.3	-30.1	-29.3	-27.8	1.4	2.1	2.3	3.2	4.6
	Y=8H	-31.1	-30.4	-30.1	-29.4	-28.1	1.6	2.3	2.6	3.3	4.6
	Y=12H	-31.1	-30.5	-30.2	-29.5	-28.1	2.3	2.9	3.2	3.9	5.3
X=12H	Y=4H	-31.0	-30.2	-30.0	-29.2	-27.9	6.5	7.3	7.5	8.3	9.7
	Y=6H	-31.1	-30.4	-30.1	-29.4	-28.0	6.5	7.2	7.4	8.2	9.5
	Y=8H	-31.1	-30.5	-30.2	-29.5	-28.1	6.5	7.1	7.4	8.1	9.5
Variations with the objverver position at spacings											
S=1.0H		0.0/0.0					2.5/-9.1				
S=1.5H		0.0/0.0					3.6/0.0				
S=2.0H		0.0/0.0					7.8/0.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.0					21.0				

o the CIE Pub.117, data has been corrected, refers to the lamp's lumens 8.2flm.

**Photometric Filename:UL-1021-0300-A-C3.IES**

# Candela Tabulation

[illegible]

# IES Indoor Report

## Candela Tabulation - (Cont.)

V/H	C72.0	C73.0	C74.0	C75.0	C76.0	C77.0	C78.0	C79.0	C80.0	C81.0	C82.0	C83.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C84.0	C85.0	C86.0	C87.0	C88.0	C89.0	C90.0	C91.0	C92.0	C93.0	C94.0	C95.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.02	0.02	0.03	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C96.0	C97.0	C98.0	C99.0	C100.0	C101.0	C102.0	C103.0	C104.0	C105.0	C106.0	C107.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C108.0	C109.0	C110.0	C111.0	C112.0	C113.0	C114.0	C115.0	C116.0	C117.0	C118.0	C119.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C120.0	C121.0	C122.0	C123.0	C124.0	C125.0	C126.0	C127.0	C128.0	C129.0	C130.0	C131.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C132.0	C133.0	C134.0	C135.0	C136.0	C137.0	C138.0	C139.0	C140.0	C141.0	C142.0	C143.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Photometric Filename:UL-1021-0300-A-C3.IES**

## Candela Tabulation - (Cont.)

V/H	C144.0	C145.0	C146.0	C147.0	C148.0	C149.0	C150.0	C151.0	C152.0	C153.0	C154.0	C155.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.21	0.29	0.38	0.48	0.59
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C156.0	C157.0	C158.0	C159.0	C160.0	C161.0	C162.0	C163.0	C164.0	C165.0	C166.0	C167.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	0.66	0.73	0.79	0.83	0.89	0.93	0.97	1.01	1.06	1.12	1.17	1.21
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C168.0	C169.0	C170.0	C171.0	C172.0	C173.0	C174.0	C175.0	C176.0	C177.0	C178.0	C179.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	1.25	1.29	1.34	1.36	1.37	1.37	1.38	1.39	1.40	1.39	1.39	1.39
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C180.0	C181.0	C182.0	C183.0	C184.0	C185.0	C186.0	C187.0	C188.0	C189.0	C190.0	C191.0
γ 0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	1.38	1.35	1.30	1.27	1.23	1.19	1.16	1.11	1.07	1.03	0.99	0.93
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C192.0	C193.0	C194.0	C195.0	C196.0	C197.0	C198.0	C199.0	C200.0	C201.0	C202.0	C20



**IES Indoor Report**  
**Photometric Filename:UL-1021-0300-A-C3.IES**

### Candela Tabulation - (Cont.)

[illegible]

# IES Indoor Report

## Candela Tabulation - (Cont.)

[illegible]