

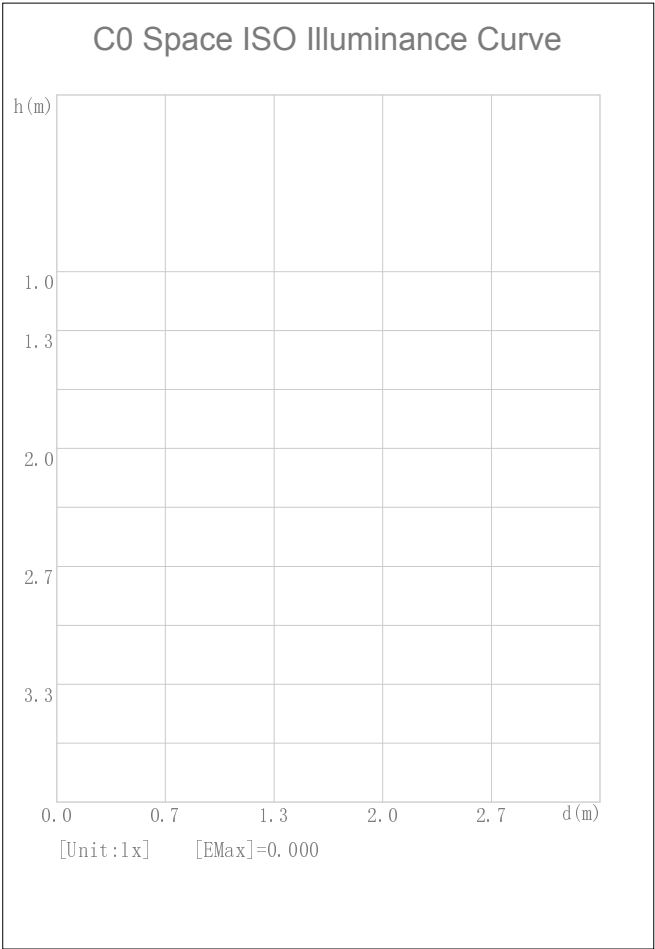
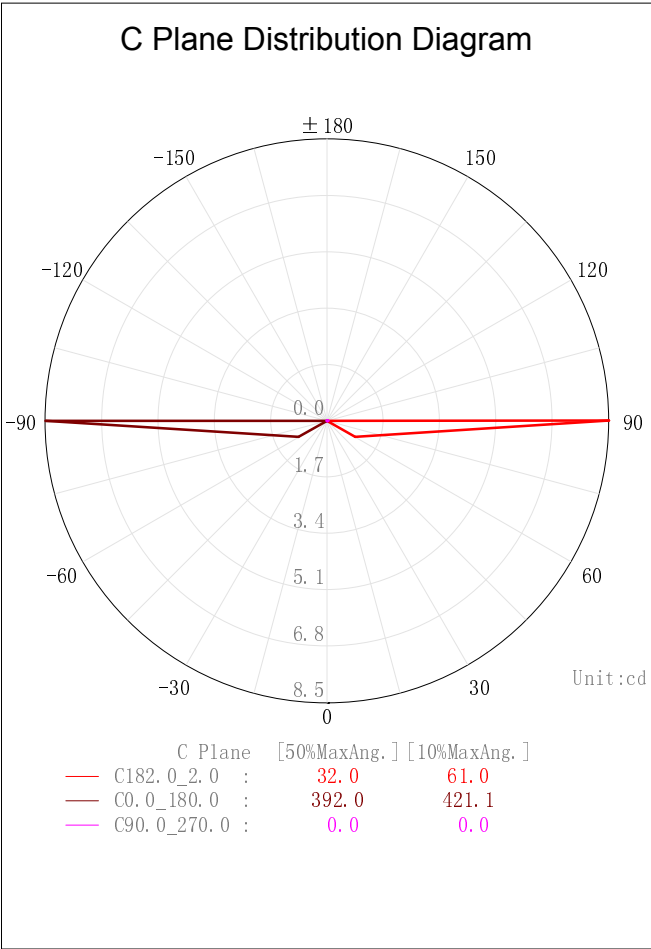
Indoor Luminaire Photometric Data

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(%):

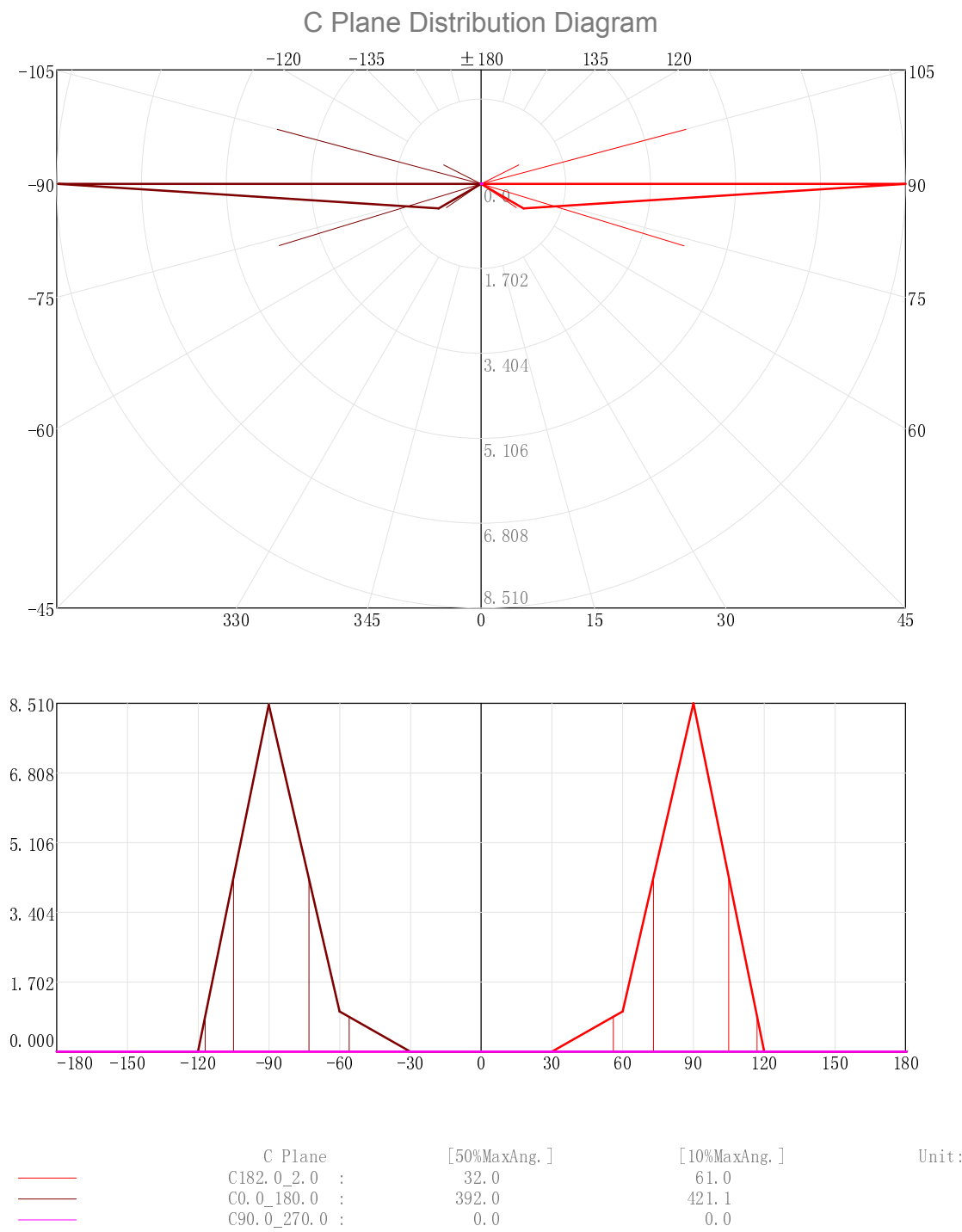
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 3.900	Luminary Flux(lm): 3.902	Field Angle(10%Imax): 61.0(°)
Rated Power(W): 2.7	Luminary Efficiency: 100.06%	Down Lumens&Percent: 2.105lm 53.93%
Rated Voltage(V): 24	Luminary EER(lm/W): 1.445	Up Lumens&Percent: 1.798lm 46.07%
Tested Power(W): 2.700	Max. Candela(cd): 8.510	S/MH: C0_a180=-1.#I0 C90_270=-1.#I0
Lamps' Inside: 1	Max Cand@Ang.(°): C=182.0 γ=90.0	CIE Type: Semi-Indirect
Tested Electrics(V, A, pf):24.0, 0.112	Beam Angle(50%Imax): 32.0(°)	ErP Φuse(90°): 0.028lm
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=73.0°, Right=105.0°	IRF(%): -1.#I0



2D Plane Light Intensity Distribution Curve

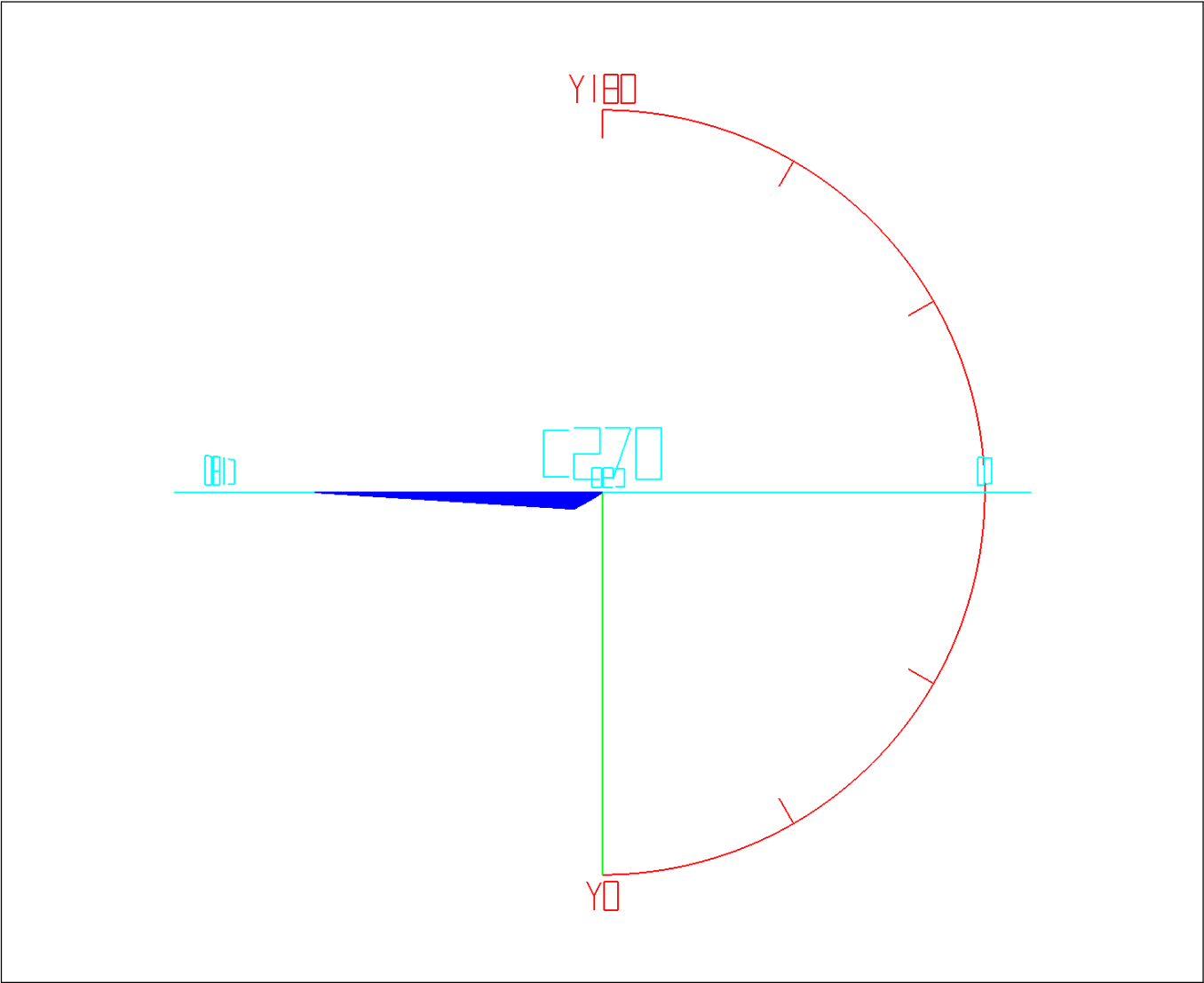
Lum. Name :	Lum. Catalog :	Test ID :
Lamp Name :	Lamp Catalog :	Test Lab :
Manufacture :	Test Machine:GON-2000	Test Date: 2025/08/26



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:

3D Model

Fixture

Vert. HUD

Hori. HUD

View Angles:

Orient:0

Tilt:0

Roll:0

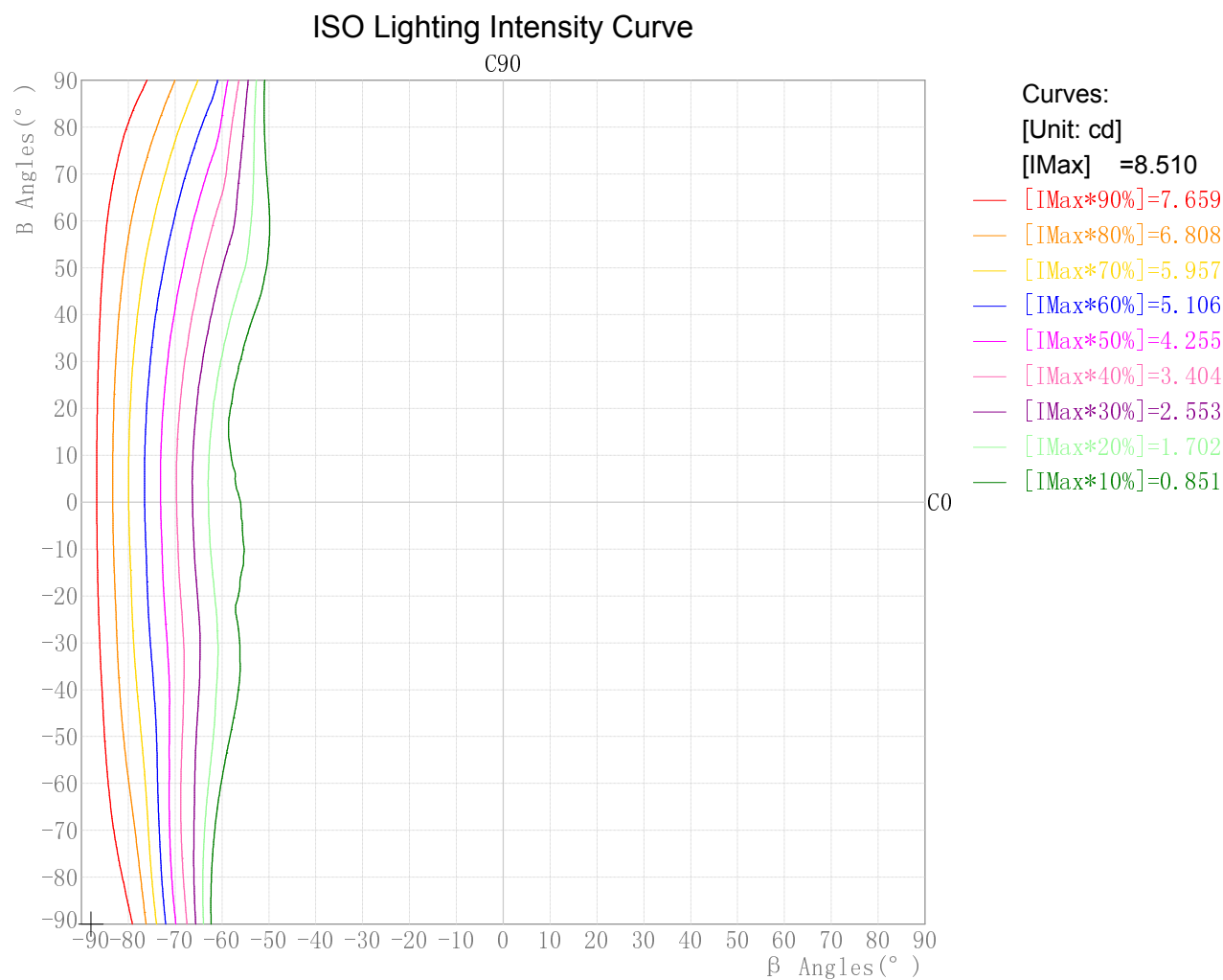
Spin:0

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. 13	0. 13	3. 33	3. 33
60. 0-90. 0	1. 97	2. 10	50. 64	53. 97
90. 0-120. 0	1. 80	3. 90	46. 09	100. 06
120. 0-150. 0	0. 00	3. 90	0. 00	100. 06
150. 0-180. 0	0. 00	3. 90	0. 00	100. 06

Rectangle ISO Lighting Intensity Diagram

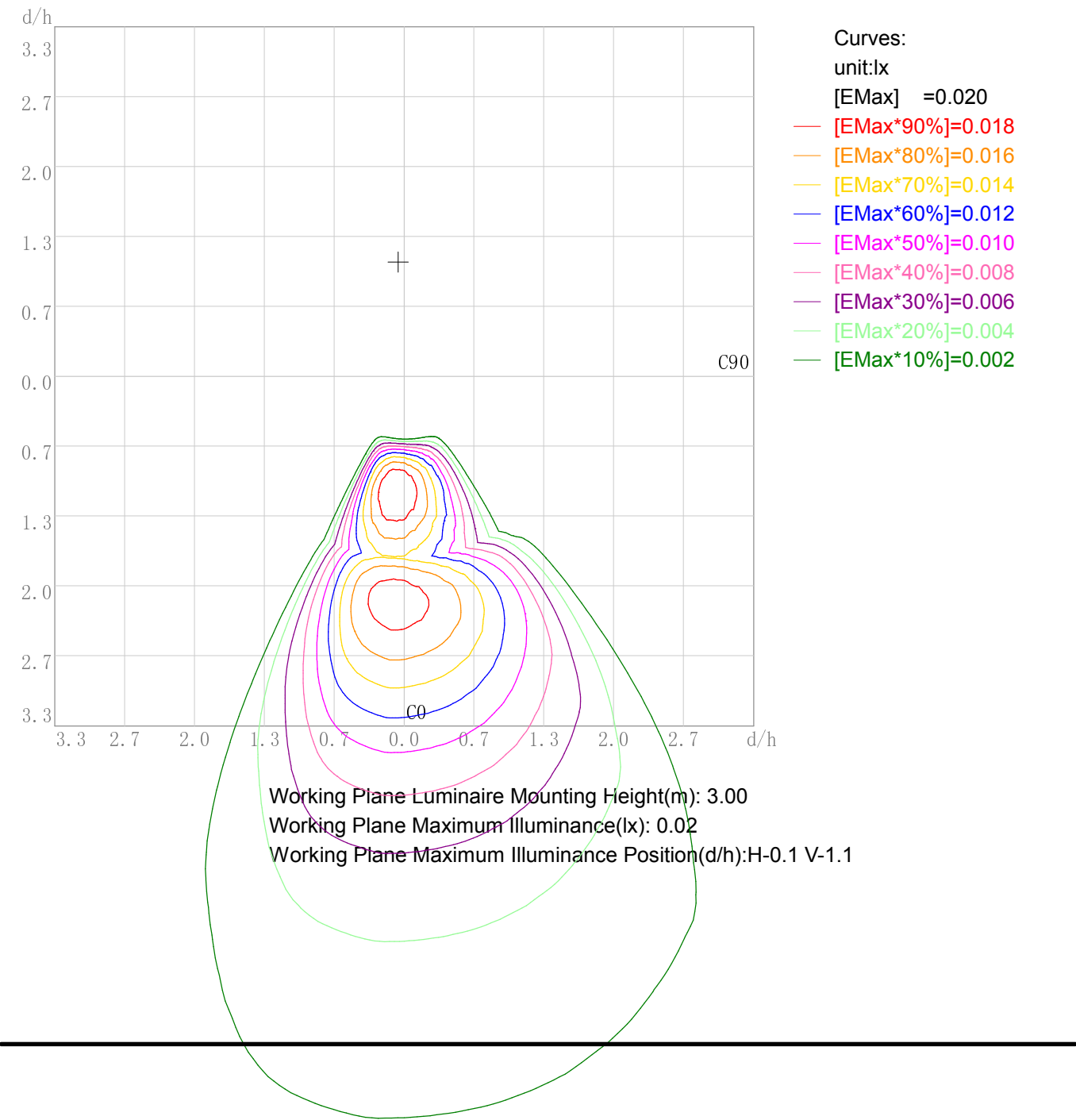
Lum. Name :	Lum. Catalog :	Test ID :
Lamp Name :	Lamp Catalog :	Test Lab :
Manufacture :	Test Machine :GON-2000	Test Date: 2025/08/26



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

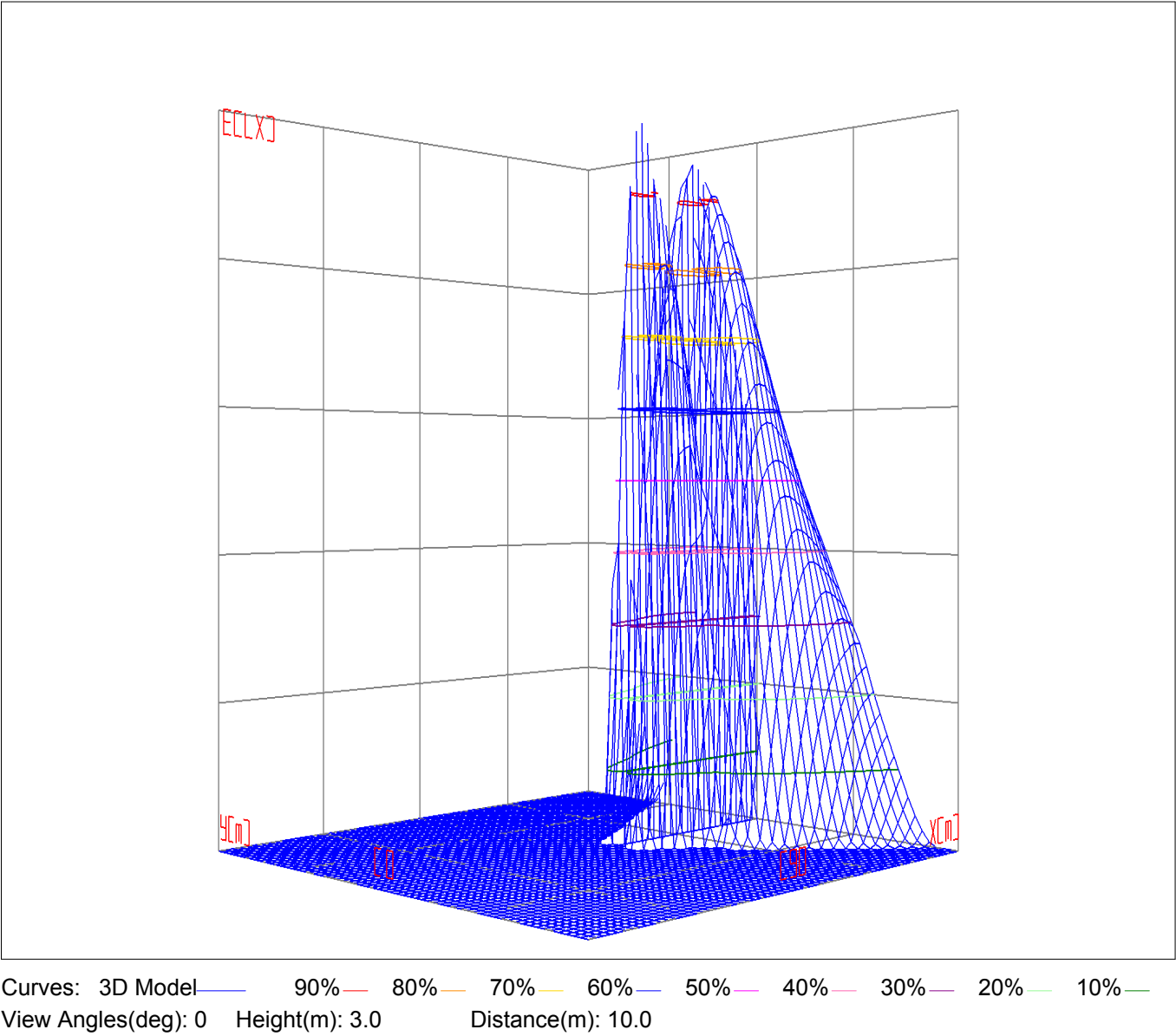
Plane ISO-Illuminance Curve



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-C1.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

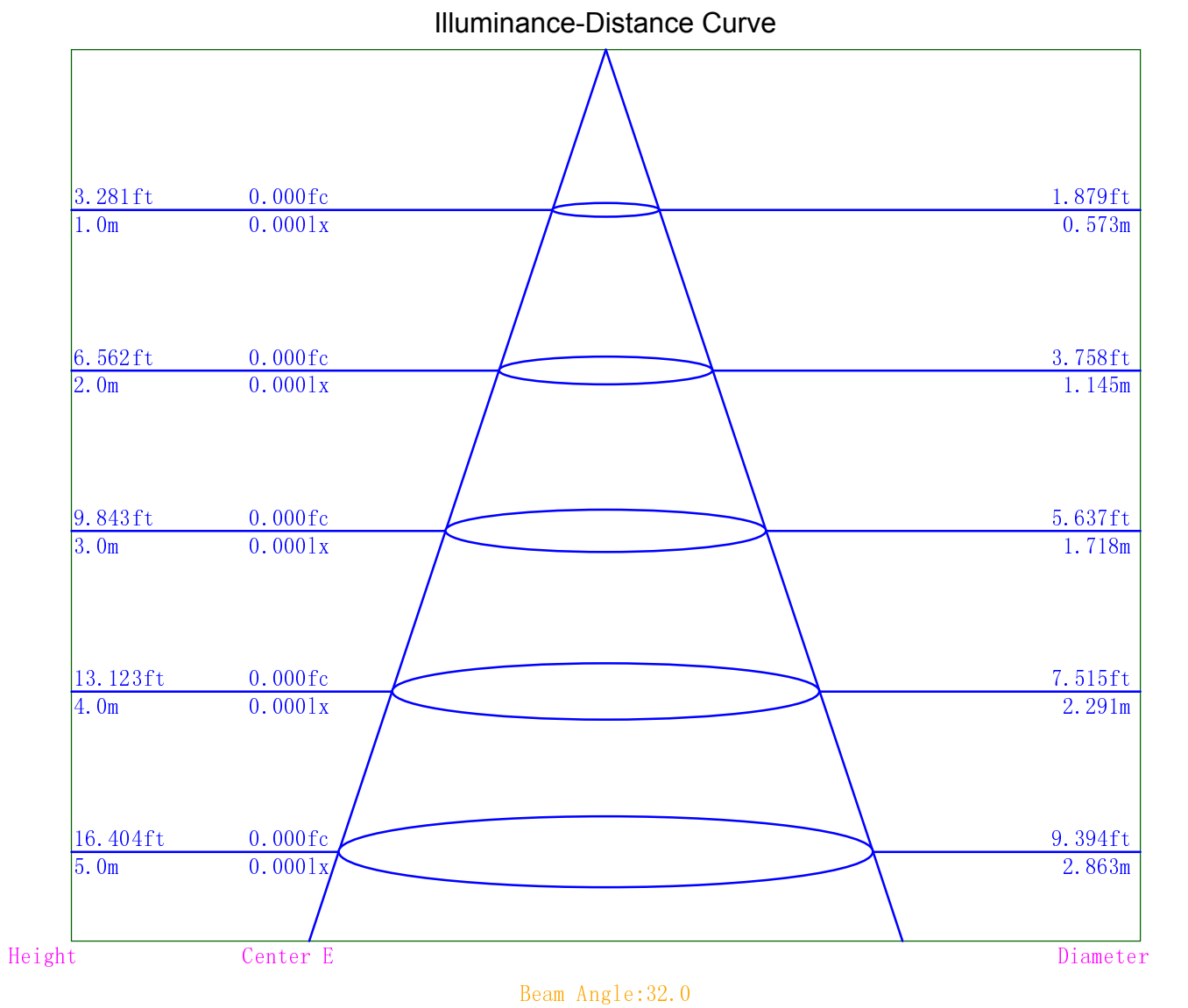
Space ISO Illuminance Curve

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. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	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

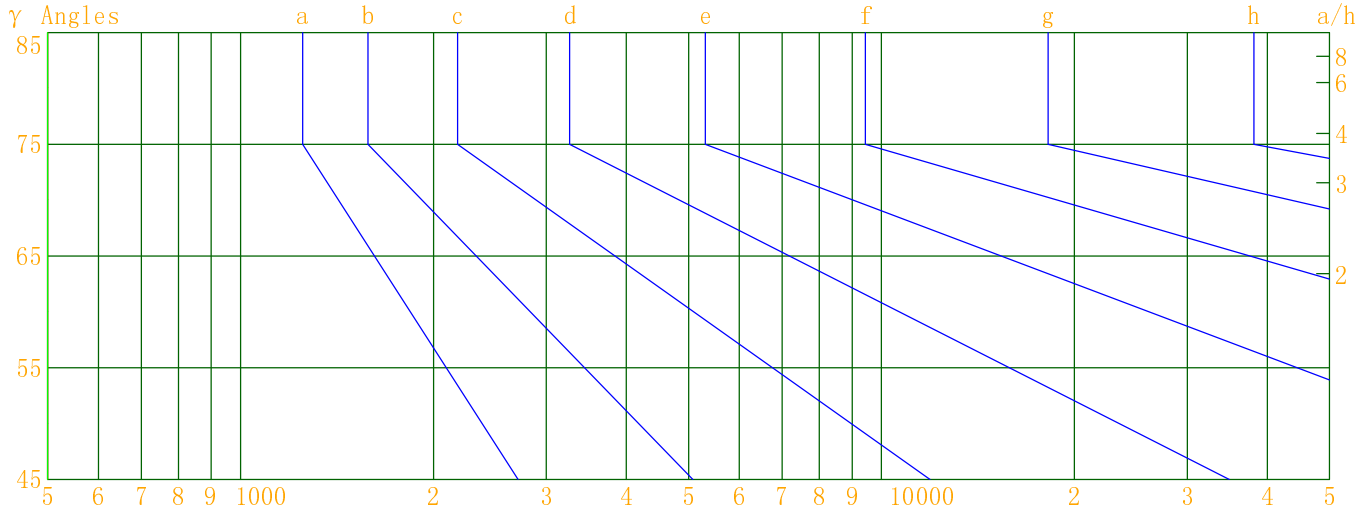
Glare Grade Table

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	0	0	0	0	0

Luminance Limiting Curve



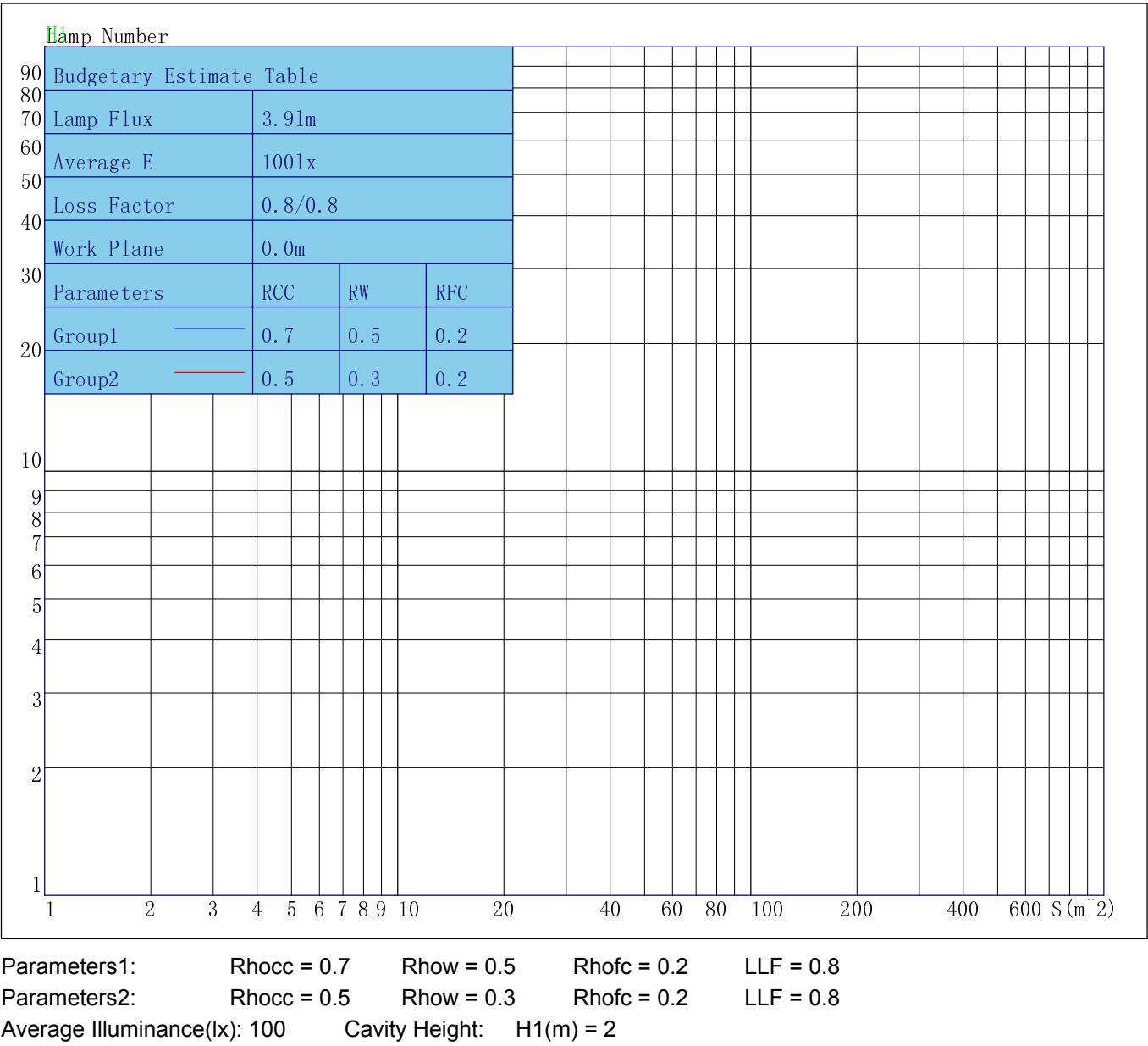
Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	65	65	65	60
1	87	77	68	60	79	70	62	55	58	52	46	47	42	37	37	33	29	23
2	75	61	50	41	68	56	46	37	45	37	30	36	29	23	27	21	17	12
3	67	51	39	30	60	46	36	27	37	29	21	29	22	16	21	16	11	6
4	60	44	33	24	54	40	29	21	32	23	17	25	18	12	18	12	8	4
5	55	39	28	19	50	35	25	17	28	20	13	22	15	10	16	10	6	2
6	50	34	24	16	46	31	22	14	25	17	11	20	13	8	14	9	5	1
7	47	31	21	14	42	28	19	12	23	15	9	18	11	7	13	8	4	1
8	43	28	18	12	39	26	17	11	21	13	8	16	10	6	12	7	3	1
9	40	25	16	10	37	23	15	9	19	12	7	15	9	5	11	7	3	1
10	38	23	15	9	34	21	13	8	18	11	6	14	8	4	11	6	3	0

Unified Glare Rating Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	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	-22.6	-21.4	-21.8	-20.5	-19.3	-22.6	-21.4	-21.8	-20.5	-19.3
	Y=3H	-22.8	-21.7	-22.0	-20.8	-19.6	-22.8	-21.7	-22.0	-20.8	-19.6
	Y=4H	-22.9	-21.8	-22.0	-20.9	-19.7	-22.9	-21.8	-22.0	-20.9	-19.7
	Y=6H	-23.0	-22.0	-22.1	-21.0	-19.8	-23.0	-22.0	-22.1	-21.0	-19.8
	Y=8H	-23.1	-22.1	-22.2	-21.1	-19.9	-23.1	-22.1	-22.2	-21.1	-19.9
	Y=12H	-23.1	-22.1	-22.2	-21.2	-19.9	-23.1	-22.1	-22.2	-21.2	-19.9
X=4H	Y=2H	-22.9	-21.8	-22.0	-20.9	-19.7	-2.5	-1.4	-1.6	-0.4	0.8
	Y=3H	-23.1	-22.1	-22.3	-21.2	-20.0	-2.7	-1.7	-1.8	-0.7	0.5
	Y=4H	-23.3	-22.3	-22.4	-21.3	-20.1	-2.8	-1.8	-1.9	-0.9	0.4
	Y=6H	-23.4	-22.5	-22.4	-21.5	-20.3	-2.9	-2.0	-2.0	-1.0	0.2
	Y=8H	-23.4	-22.6	-22.5	-21.6	-20.3	-2.9	-2.1	-2.0	-1.1	0.2
	Y=12H	-23.4	-22.6	-22.5	-21.7	-20.4	-3.0	-2.2	-2.0	-1.2	0.1
X=8H	Y=4H	-23.4	-22.6	-22.5	-21.6	-20.3	12.0	12.9	12.9	13.9	15.1
	Y=6H	-23.5	-22.7	-22.6	-21.7	-20.3	11.9	12.7	12.8	13.7	15.1
	Y=8H	-23.6	-22.8	-22.6	-21.9	-20.6	11.9	12.6	12.8	13.6	14.8
	Y=12H	-23.6	-22.9	-22.7	-21.9	-20.6	11.8	12.5	12.8	13.5	14.8
X=12H	Y=4H	-23.4	-22.6	-22.5	-21.7	-20.4	16.8	17.6	17.8	18.6	19.9
	Y=6H	-23.5	-22.8	-22.6	-21.8	-20.5	16.8	17.5	17.7	18.5	19.8
	Y=8H	-23.6	-22.9	-22.7	-21.9	-20.6	16.7	17.4	17.7	18.4	19.7
Variations with the objerver position at spacings											
S=1.0H		0.0/0.0					0.0/0.0				
S=1.5H		0.0/0.0					9.6/0.0				
S=2.0H		0.0/0.0					4.2/0.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.0					20.2				

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

Photometric Filename:UL-1021-0300-A-C1.IES

Candela Tabulation

[illegible]

IES Indoor Report

Photometric Filename:UL-1021-0300-A-C1.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	0.02	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.35	0.38
γ 90.0	2.37	2.82	3.26	3.62	3.98	4.34	4.76	5.13	5.40	5.58	5.76	5.94
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	0.42	0.45	0.49	0.51	0.56	0.60	0.61	0.66	0.67	0.69	0.72	0.76
γ 90.0	6.12	6.29	6.47	6.64	6.80	6.97	7.12	7.27	7.42	7.54	7.66	7.77
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	0.78	0.79	0.83	0.85	0.87	0.88	0.89	0.91	0.93	0.93	0.94	0.96
γ 90.0	7.86	7.95	8.03	8.10	8.17	8.24	8.29	8.33	8.37	8.40	8.44	8.46
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	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.97	0.96	0.94	0.92
γ 90.0	8.48	8.49	8.51	8.50	8.43	8.36	8.27	8.18	8.08	7.97	7.82	7.64
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	C203.0
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	0.91	0.88	0.84	0.81	0.79	0.75	0.70	0.65	0.58	0.53	0.47	0.39
γ 90.0	7.40	7.10	6.74	6.35	5.97	5.52	5.10	4.69	4.31	3.96	3.62	3.21
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	C204.0	C205.0	C206.0	C207.0	C208.0	C209.0	C210.0	C211.0	C212.0	C213.0	C214.0	C215.0
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	0.31	0.23	0.16	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 90.0	2.75	2.25	1.73	1.18	0.69	0.28	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

IES Indoor Report
Photometric Filename:UL-1021-0300-A-C1.IES

Candela Tabulation - (Cont.)

[illegible]

Photometric Filename:UL-1021-0300-A-C1.IES

Candela Tabulation - (Cont.)

[illegible]