

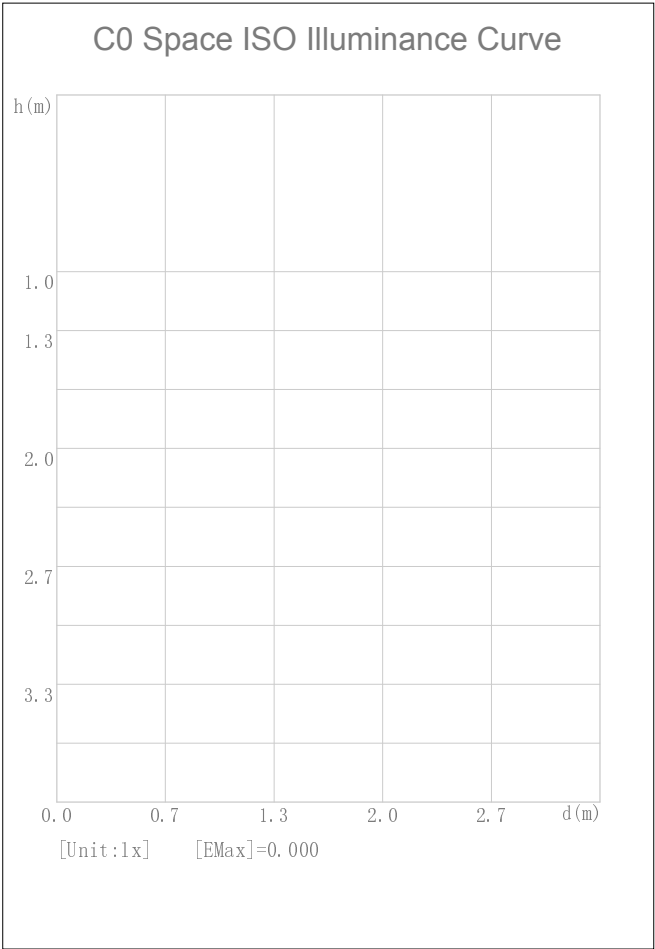
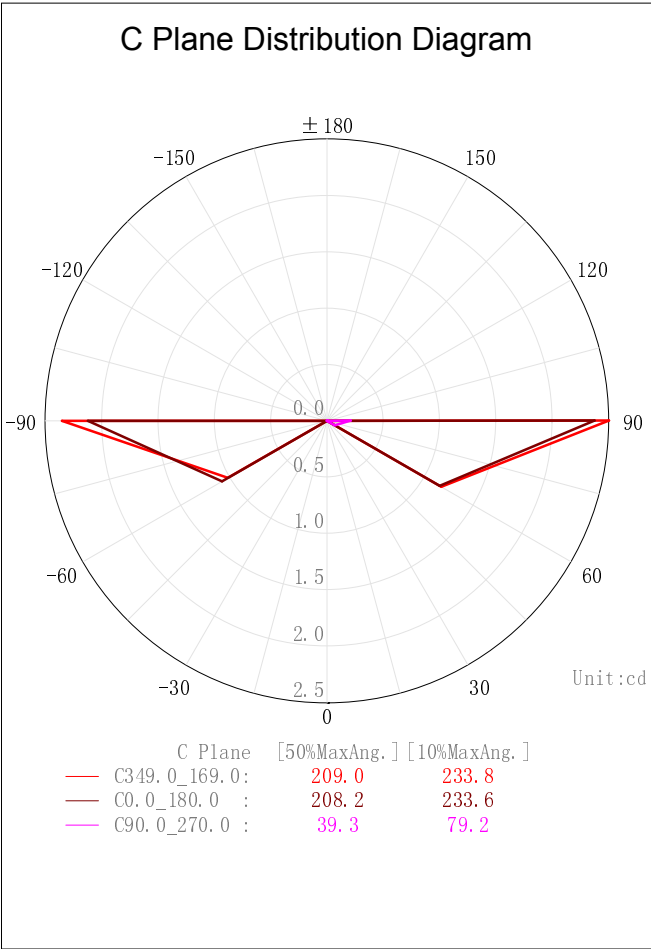
Indoor Luminaire Photometric Data

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(%):

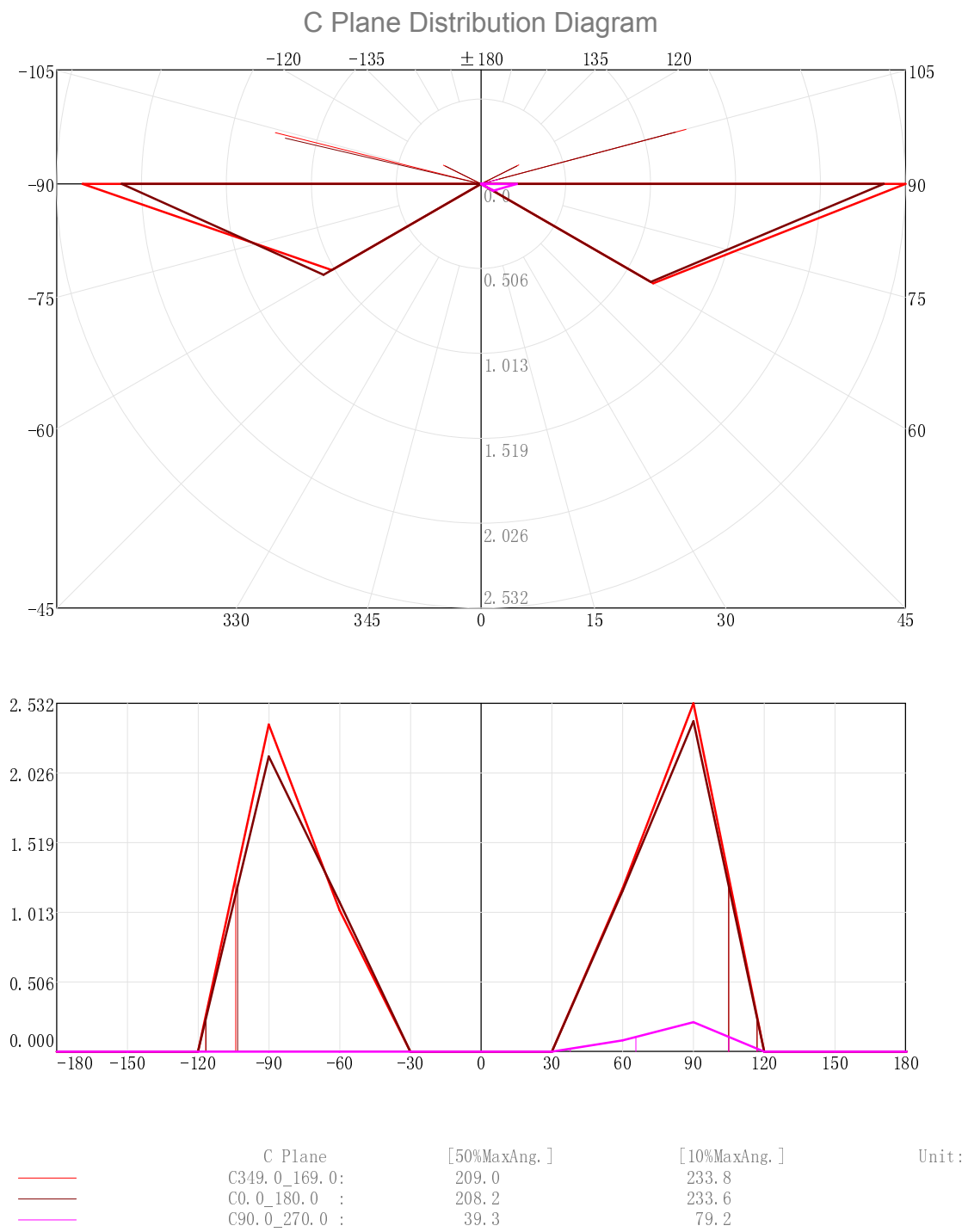
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 2.090	Luminary Flux(lm): 2.091	Field Angle(10%Imax): 233.8(°)
Rated Power(W): 2.7	Luminary Efficiency: 100.05%	Down Lumens&Percent: 1.391lm 66.53%
Rated Voltage(V): 24	Luminary EER(lm/W): 0.773	Up Lumens&Percent: 0.700lm 33.47%
Tested Power(W): 2.704	Max. Candela(cd): 2.532	S/MH: C0_a180=1.155 C90_270=1.155
Lamps' Inside: 1	Max Cand@Ang. (°): C=349.0 γ=90.0	CIE Type: General Diffuse
Tested Electrics(V, A, pf):24.0, 0.112	Beam Angle(50%Imax): 209.0(°)	ErP Φuse(90°): 0.063lm
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-104.0°, Right=105.0°	IRF(%): 563.962



2D Plane Light Intensity Distribution Curve

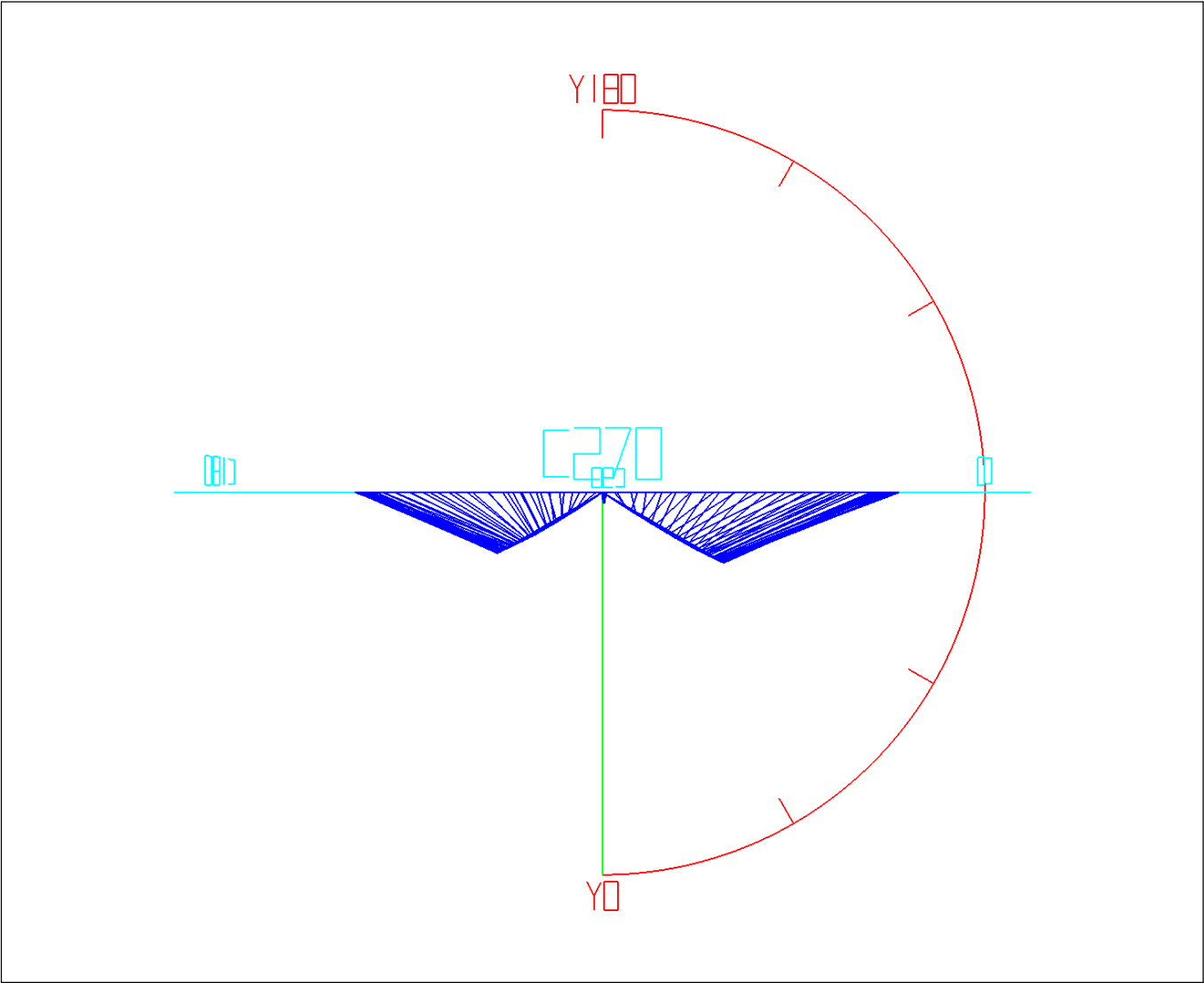
Lum. Name :	Lum. Catalog :	Test ID :
Lamp Name :	Lamp Catalog :	Test Lab :
Manufacture :	Test Machine:GON-2000	Test Date: 2025/08/26



3D Light Intensity Distribution Modal

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

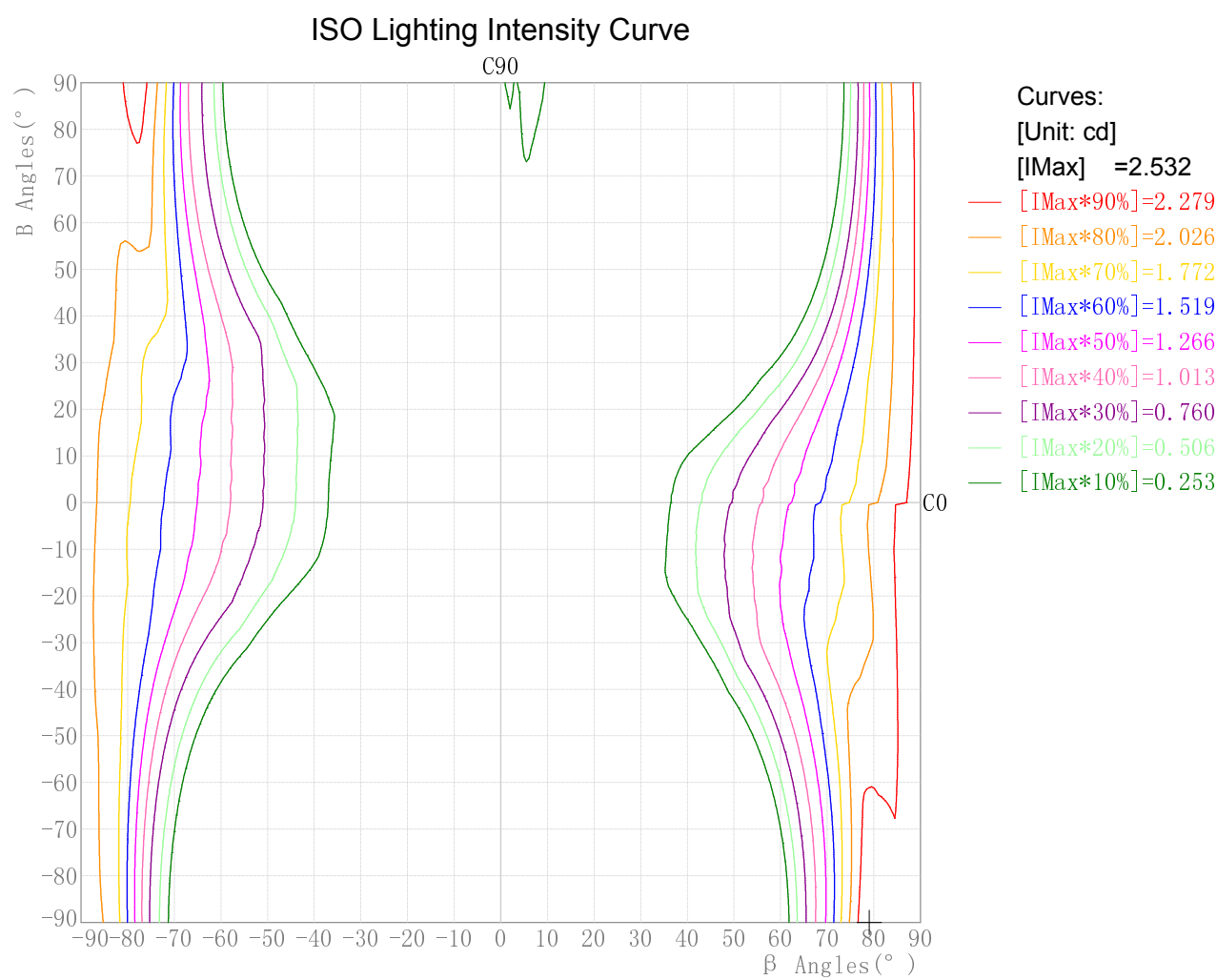
Spin:0

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. 29	0. 29	13. 98	13. 98
60. 0-90. 0	1. 10	1. 39	52. 58	66. 56
90. 0-120. 0	0. 70	2. 09	33. 49	100. 05
120. 0-150. 0	0. 00	2. 09	0. 00	100. 05
150. 0-180. 0	0. 00	2. 09	0. 00	100. 05

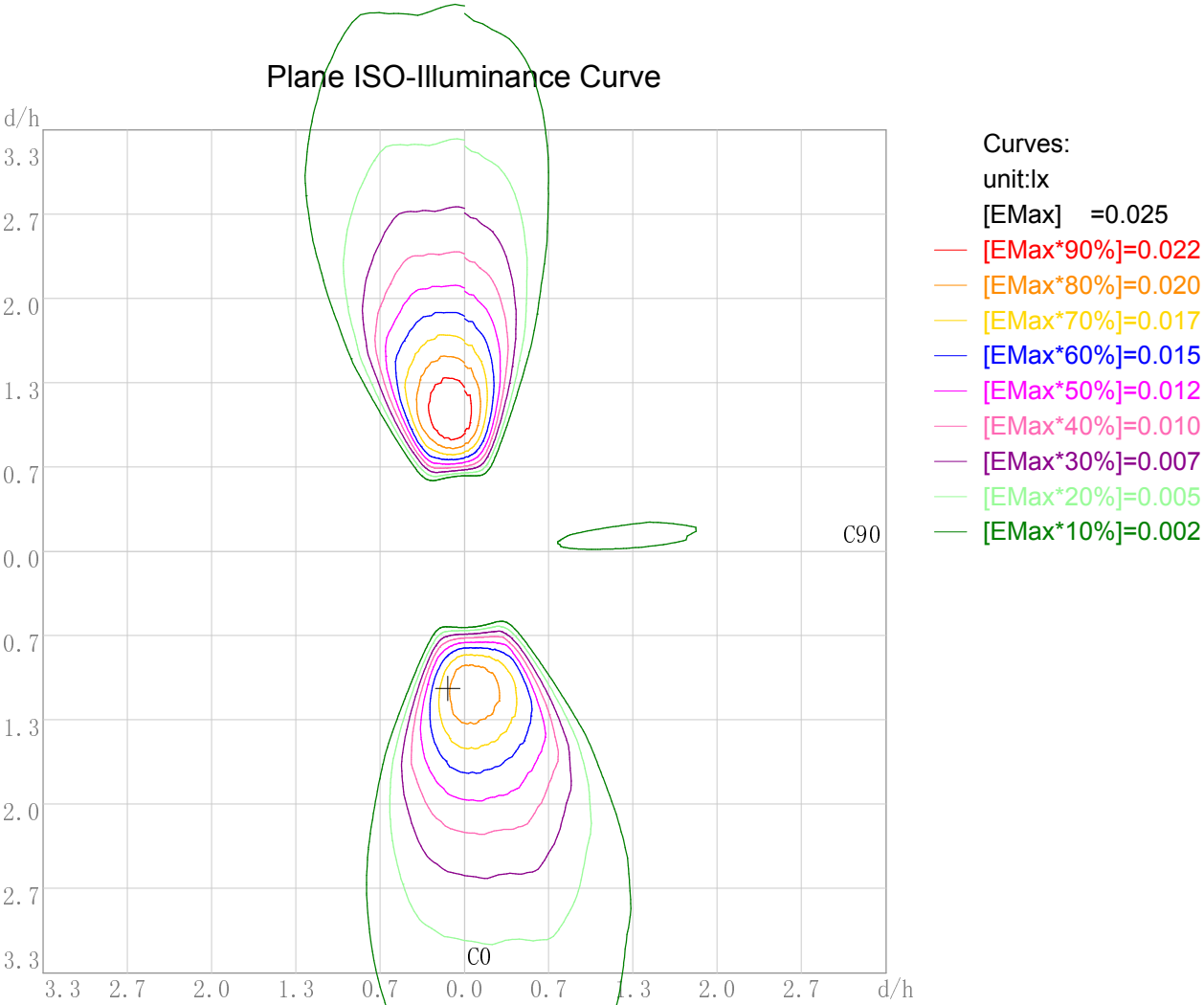
Rectangle ISO Lighting Intensity Diagram

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

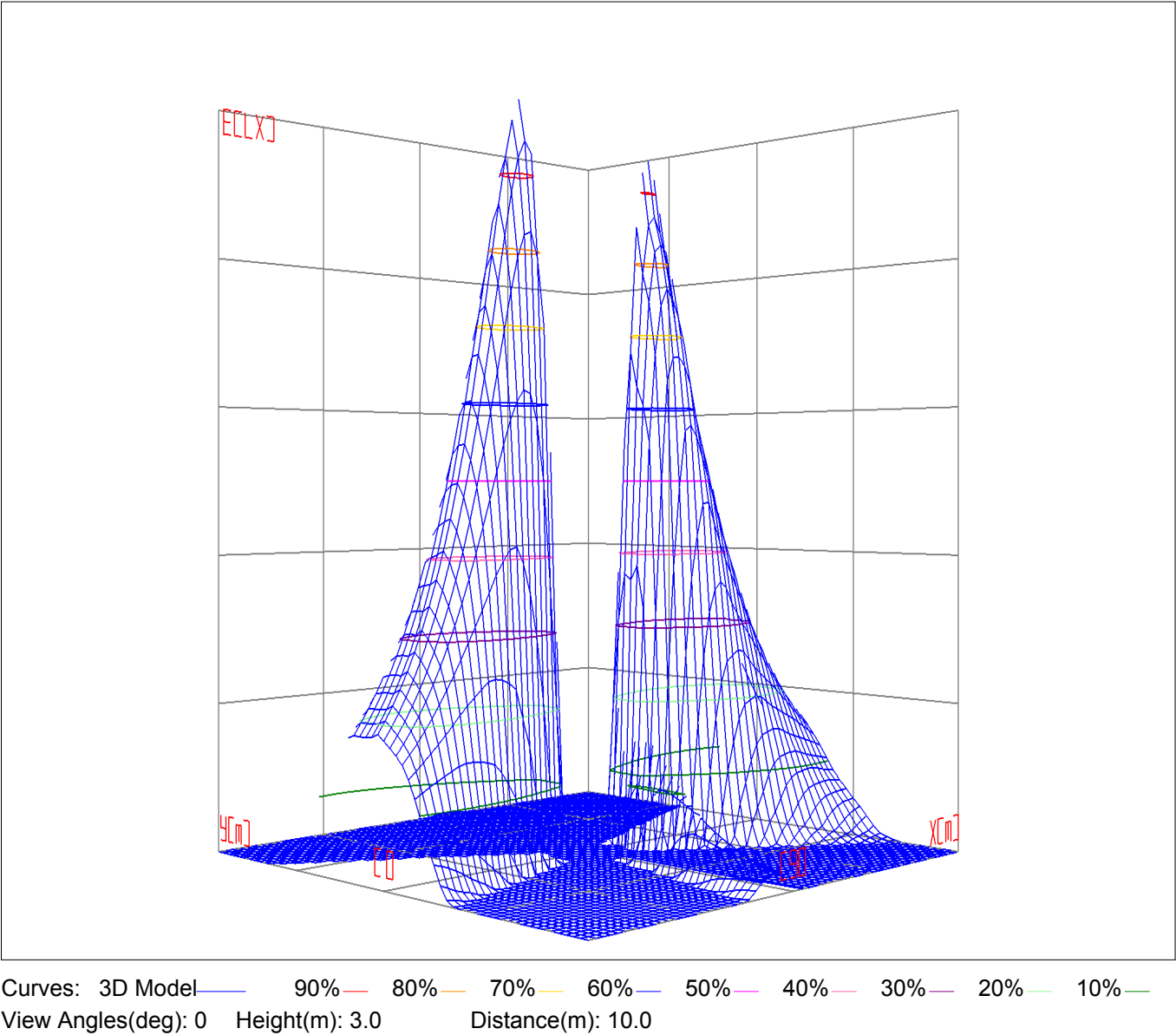


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 0.02
Working Plane Maximum Illuminance Position(d/h):H-0.1 V1.1

3D Plane ISO Illuminance Diagram

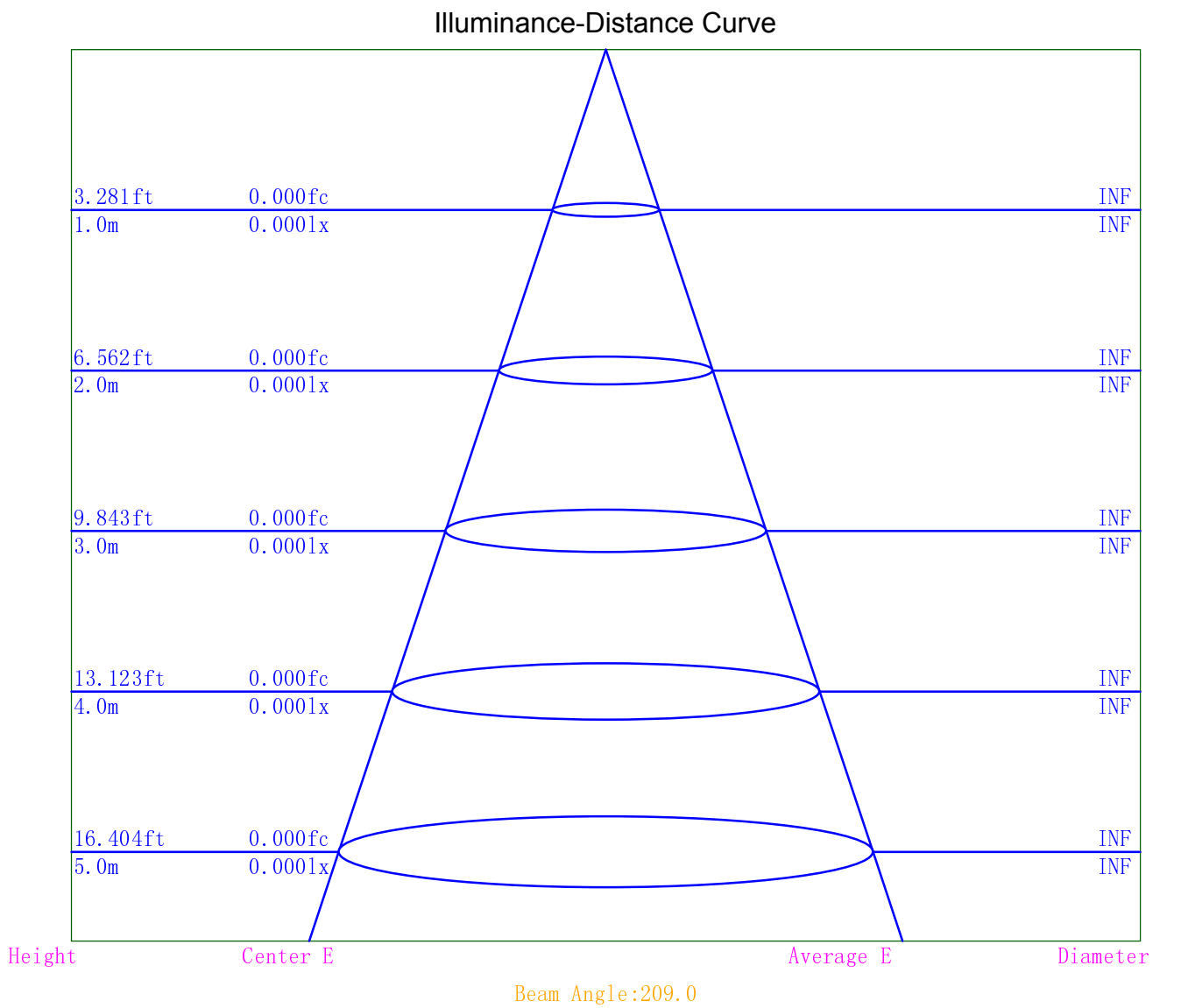
Lum. Name :	Lum. Catalog :	Test ID :
Lamp Name :	Lamp Catalog :	Test Lab :
Manufacture :	Test Machine :GON-2000	Test Date: 2025/08/26

3D Plane Illuminance Modal



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

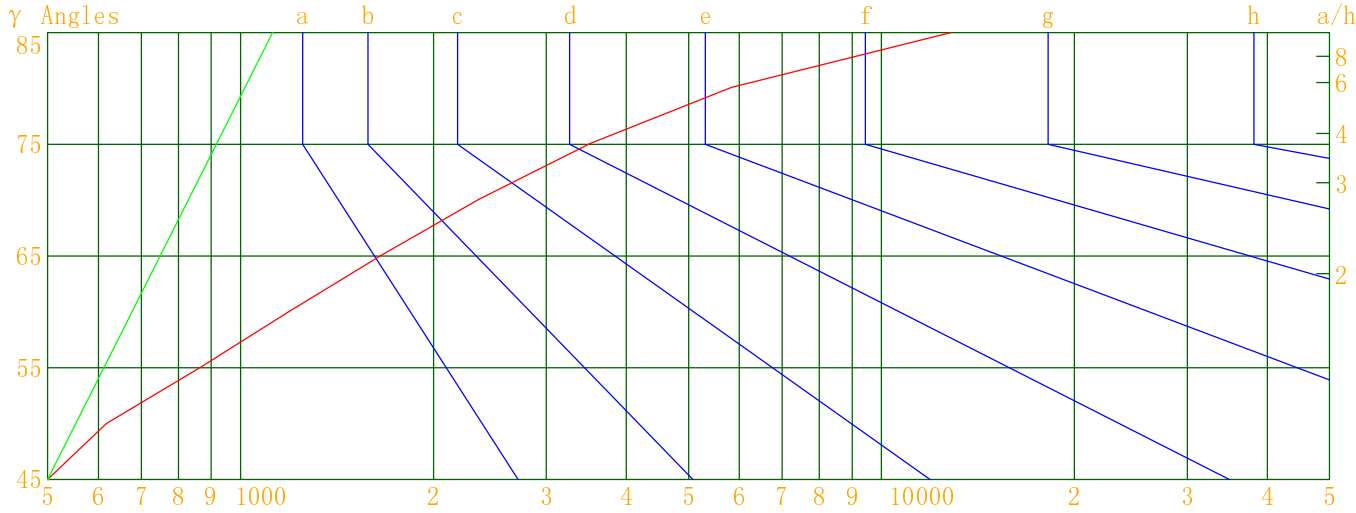
Glare Grade Table

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	421	617	865	1191	1656	2353	3513	5839	12835
C90	30	43	61	84	125	188	291	499	1122

Luminance Limiting Curve



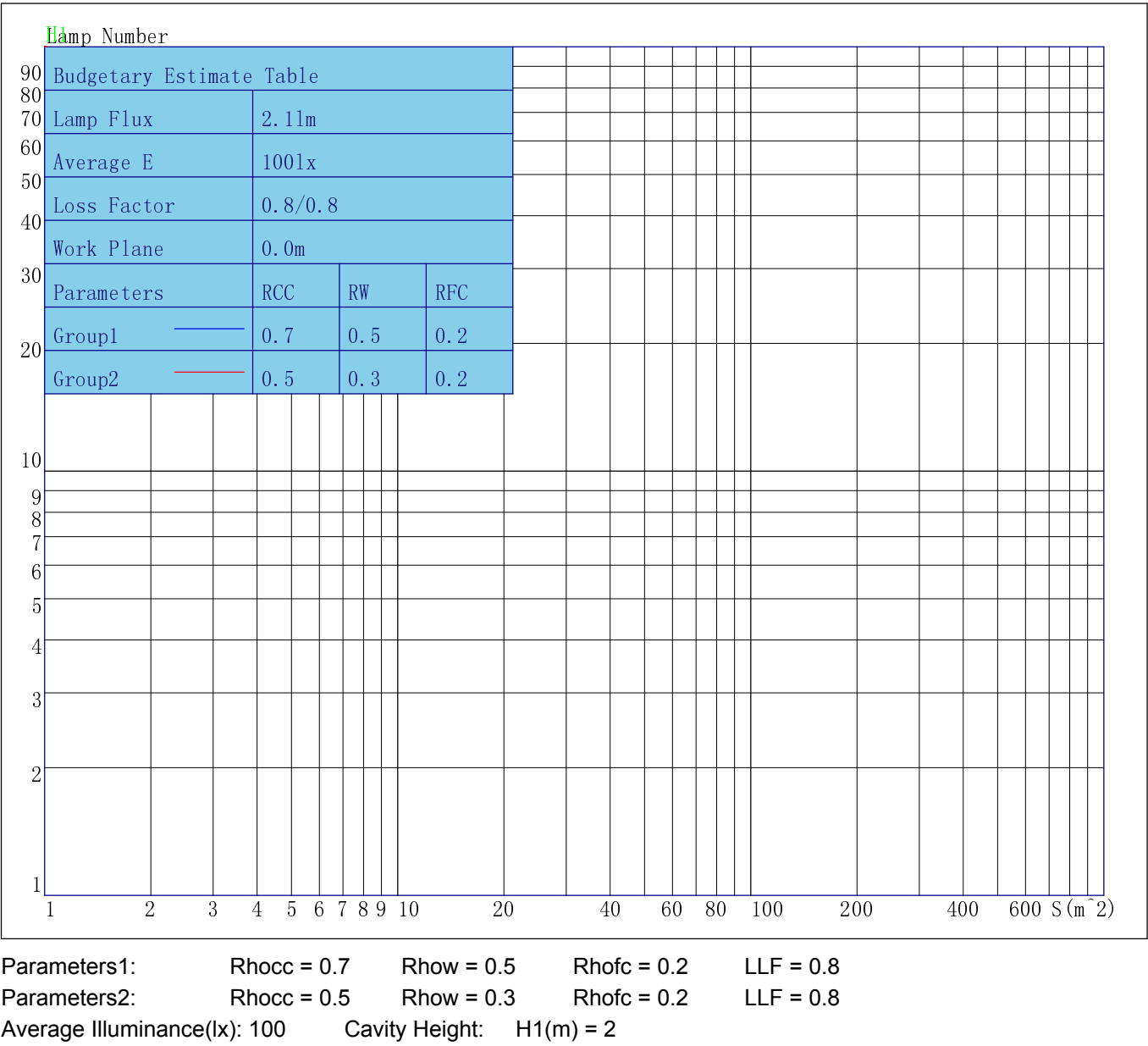
Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963

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. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	91	82	74	66	85	77	69	62	67	61	55	58	53	48	49	45	42	37
2	79	66	55	46	73	61	51	43	53	44	37	45	38	32	37	32	27	23
3	70	55	43	34	64	51	40	31	43	34	27	36	29	23	30	24	19	15
4	62	46	35	26	57	43	32	24	37	28	20	31	23	17	25	19	14	10
5	57	40	29	20	52	37	27	19	32	23	16	26	19	13	22	15	10	7
6	52	35	24	17	48	33	23	15	28	19	13	23	16	10	19	13	8	5
7	47	31	21	14	44	29	20	13	25	17	11	21	14	9	17	11	6	4
8	44	28	18	12	40	26	17	11	22	14	9	19	12	7	15	10	5	3
9	41	25	16	10	38	24	15	9	20	13	8	17	11	6	14	9	4	2
10	38	23	14	9	35	22	13	8	19	11	6	16	10	5	13	8	4	2

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	12.3	13.7	13.1	14.5	15.5	-5.2	-3.8	-4.5	-3.0	-2.0
	Y=3H	18.3	19.6	19.0	20.4	21.4	0.7	2.0	1.4	2.8	3.8
	Y=4H	21.5	22.7	22.2	23.5	24.6	4.2	5.4	4.9	6.2	7.3
	Y=6H	24.8	26.0	25.6	26.8	27.9	7.9	9.1	8.7	9.9	10.9
	Y=8H	26.6	27.7	27.4	28.6	29.6	9.8	10.9	10.6	11.8	12.8
	Y=12H	28.5	29.6	29.3	30.5	31.6	11.6	12.7	12.4	13.6	14.6
X=4H	Y=2H	12.1	13.3	12.8	14.1	15.2	-1.2	0.0	-0.5	0.9	1.9
	Y=3H	18.1	19.2	18.9	20.1	21.1	1.6	2.8	2.4	3.6	4.6
	Y=4H	21.5	22.6	22.3	23.4	24.5	4.3	5.4	5.1	6.3	7.3
	Y=6H	25.4	26.3	26.2	27.2	28.3	7.9	8.8	8.7	9.7	10.8
	Y=8H	27.5	28.4	28.3	29.3	30.4	10.0	11.0	10.8	11.8	12.9
	Y=12H	29.8	30.7	30.6	31.6	32.7	12.7	13.5	13.5	14.4	15.5
X=8H	Y=4H	21.4	22.3	22.2	23.2	24.3	6.7	7.6	7.5	8.5	9.6
	Y=6H	25.3	26.1	26.1	27.0	28.3	8.8	9.6	9.6	10.5	11.8
	Y=8H	27.6	28.3	28.4	29.2	30.3	10.5	11.3	11.3	12.2	13.3
	Y=12H	30.3	31.0	31.1	31.9	33.0	12.9	13.6	13.7	14.5	15.6
X=12H	Y=4H	21.4	22.2	22.2	23.1	24.2	9.0	9.9	9.8	10.8	11.9
	Y=6H	25.3	26.0	26.1	26.9	28.0	10.2	11.0	11.1	11.9	13.0
	Y=8H	27.5	28.2	28.4	29.1	30.3	11.4	12.1	12.3	13.0	14.2
Variations with the objverver position at spacings											
S=1.0H		0.3/-0.3					0.5/-1.1				
S=1.5H		0.4/-0.5					1.4/-4.4				
S=2.0H		0.6/-0.7					2.0/-5.6				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		9.4					9.7				

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

Photometric Filename:UL-1021-0300-A-C4.IES

Candela Tabulation

[illegible]

Photometric Filename:UL-1021-0300-A-C4.IES

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	0.02	0.05	0.10	0.15	0.16	0.18
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.20	0.23	0.27	0.29	0.31
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	0.20	0.20	0.19	0.18	0.16	0.13	0.08	0.03	0.00	0.00	0.00	0.00
γ 90.0	0.33	0.31	0.26	0.25	0.28	0.26	0.21	0.11	0.03	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											

IES Indoor Report
Photometric Filename:UL-1021-0300-A-C4.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	0.01	0.08	0.14	0.21	0.28	0.34	0.42	0.48	0.55	0.61	0.66	0.73
γ 90.0	0.00	0.00	0.00	0.00	0.01	0.16	0.31	0.45	0.56	0.65	0.75	0.85
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	0.79	0.82	0.84	0.87	0.88	0.91	0.93	0.95	0.95	0.98	1.00	1.01
γ 90.0	0.92	1.02	1.16	1.32	1.50	1.67	1.82	1.94	2.08	2.18	2.29	2.38
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	1.02	1.03	1.05	1.06	1.06	1.07	1.07	1.08	1.09	1.09	1.08	1.09
γ 90.0	2.41	2.38	2.34	2.28	2.23	2.21	2.21	2.24	2.25	2.22	2.20	2.16
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	1.09	1.08	1.07	1.06	1.05	1.01	1.00	0.97	0.94	0.91	0.87	0.84
γ 90.0	2.14	2.11	2.10	2.11	2.05	2.02	1.98	1.92	1.82	1.68	1.51	1.35
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-C4.IES

Candela Tabulation - (Cont.)

[illegible]

IES Indoor Report
Photometric Filename:UL-1021-0300-A-C4.IES

Candela Tabulation - (Cont.)

V/H	C288.0	C289.0	C290.0	C291.0	C292.0	C293.0	C294.0	C295.0	C296.0	C297.0	C298.0	C299.0
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	C300.0	C301.0	C302.0	C303.0	C304.0	C305.0	C306.0	C307.0	C308.0	C309.0	C310.0	C311.0
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	C312.0	C313.0	C314.0	C315.0	C316.0	C317.0	C318.0	C319.0	C320.0	C321.0	C322.0	C323.0
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	C324.0	C325.0	C326.0	C327.0	C328.0	C329.0	C330.0	C331.0	C332.0	C333.0	C334.0	C335.0
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	0.08	0.15	0.23	0.30	0.38	0.45	0.55	0.62
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.28	0.43	0.57	0.70
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	C336.0	C337.0	C338.0	C339.0	C340.0	C341.0	C342.0	C343.0	C344.0	C345.0	C346.0	C34