

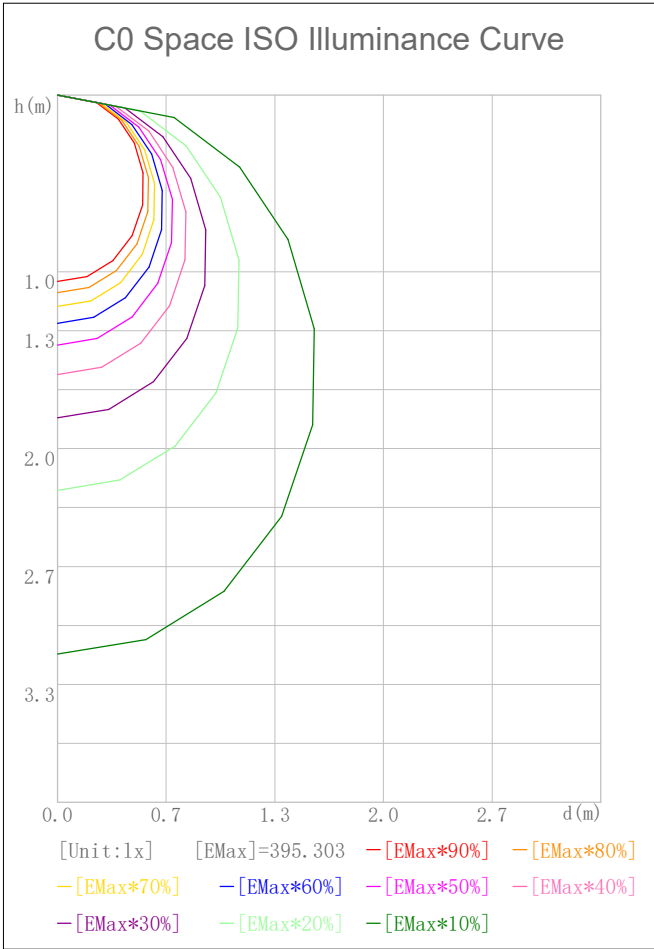
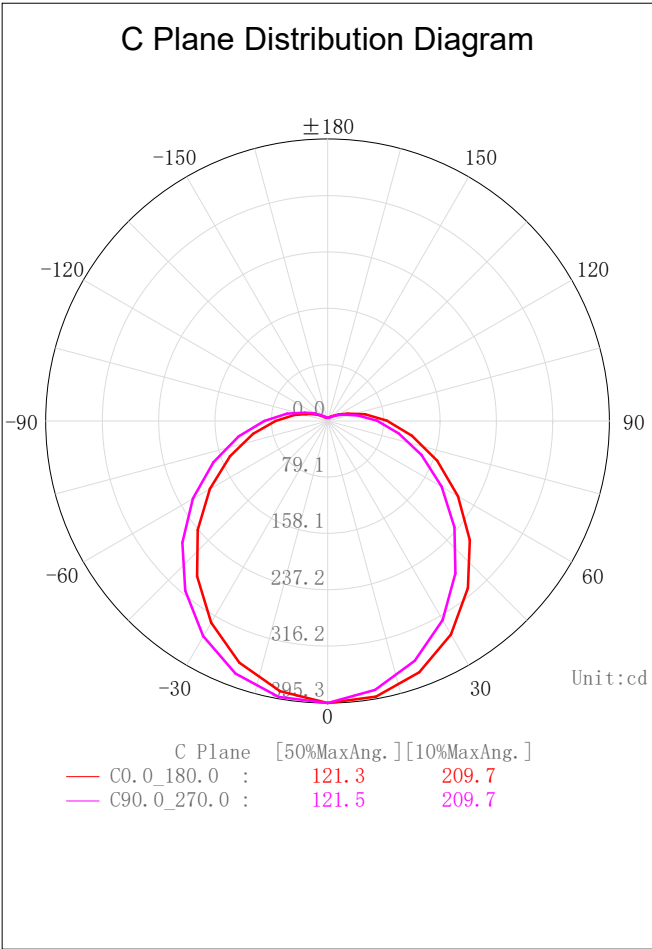
Indoor Luminaire Photometric Data

Description Information

Luminary Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2022/09/30
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.063m*0.670m*0.073m	Lum. Area (m2):0.091	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=10.0	Temp. (°C): 25
		Humidity(%): 50.0

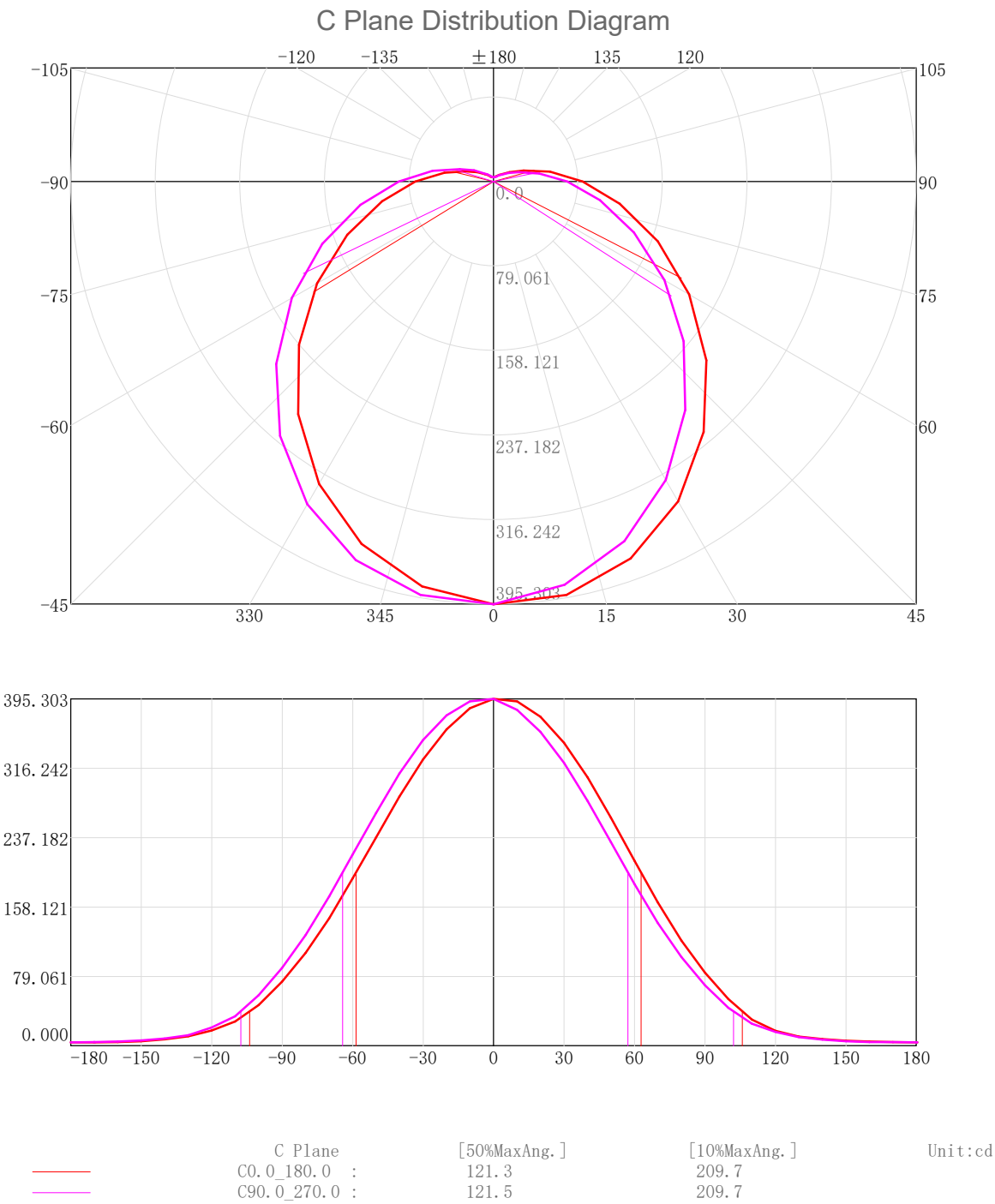
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1860.000	Luminary Flux(lm): 1504.659	Field Angle(10%Imax): 209.7(°)
Rated Power(W):	Luminary Efficiency: 80.90%	Down Lumens&Percent: 1340.364lm 89.08%
Rated Voltage(V):	Luminary EER(lm/W): 146.653	Up Lumens&Percent: 164.295lm 10.92%
Tested Power(W): 10.260	Max. Candela(cd): 395.303	S/MH: C0_a180=1.269 C90_270=1.267
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: General Diffuse
Tested Electrics(V, A, pf):231.2, 0.053, 0.934	Beam Angle(50%Imax): 121.3(°)	ErP Φuse(120°): 905.078lm
Lamp Size(W*L*H):0.063m*0.670m*0.073m	Left=-58.5°, Right=62.8°	IRF(%): 104.689



2D Plane Light Intensity Distribution Curve

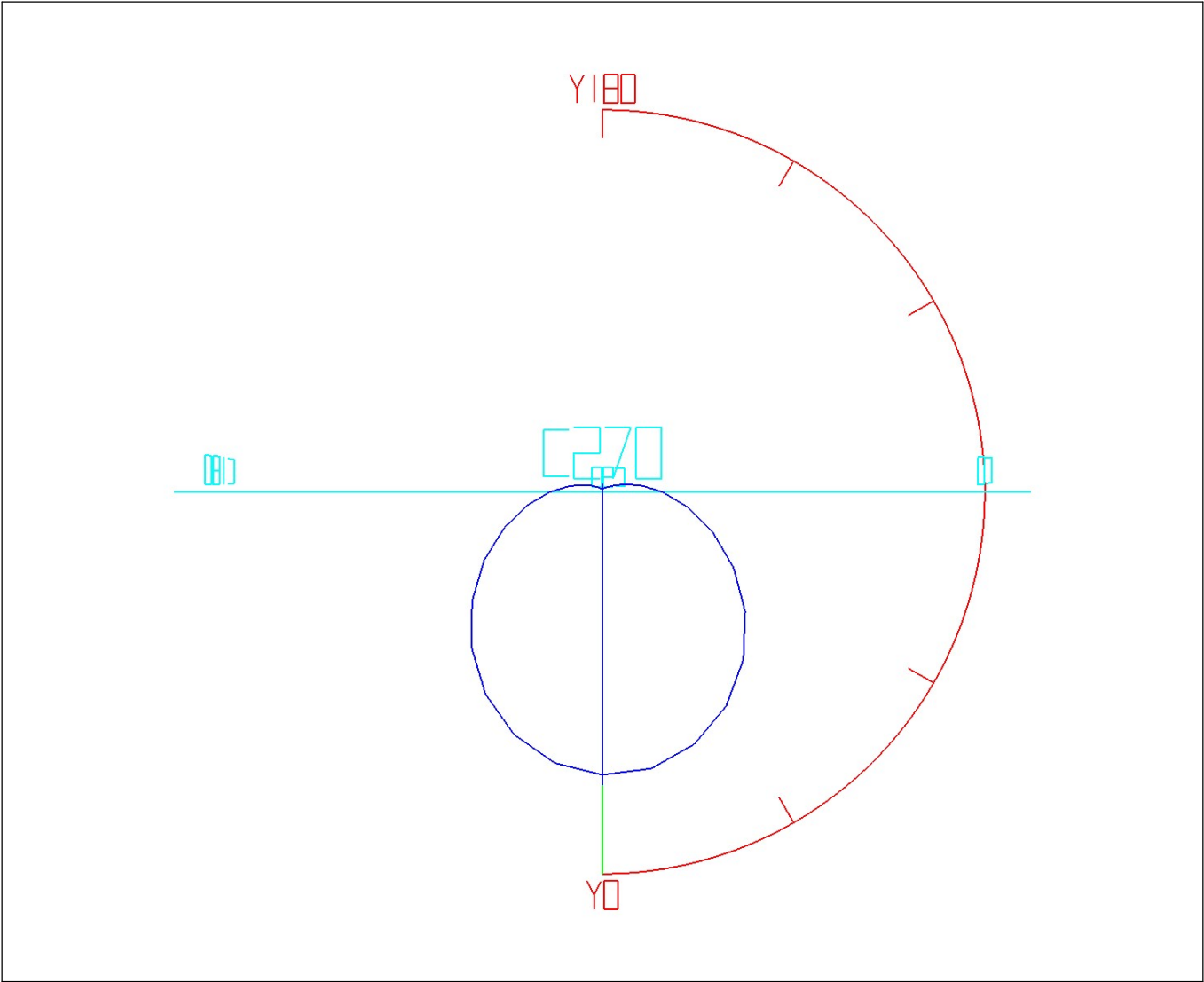
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

3D Light Intensity Distribution Modal



Curves:3D Model — Fixture — Vert. HUD — Hori. HUD —

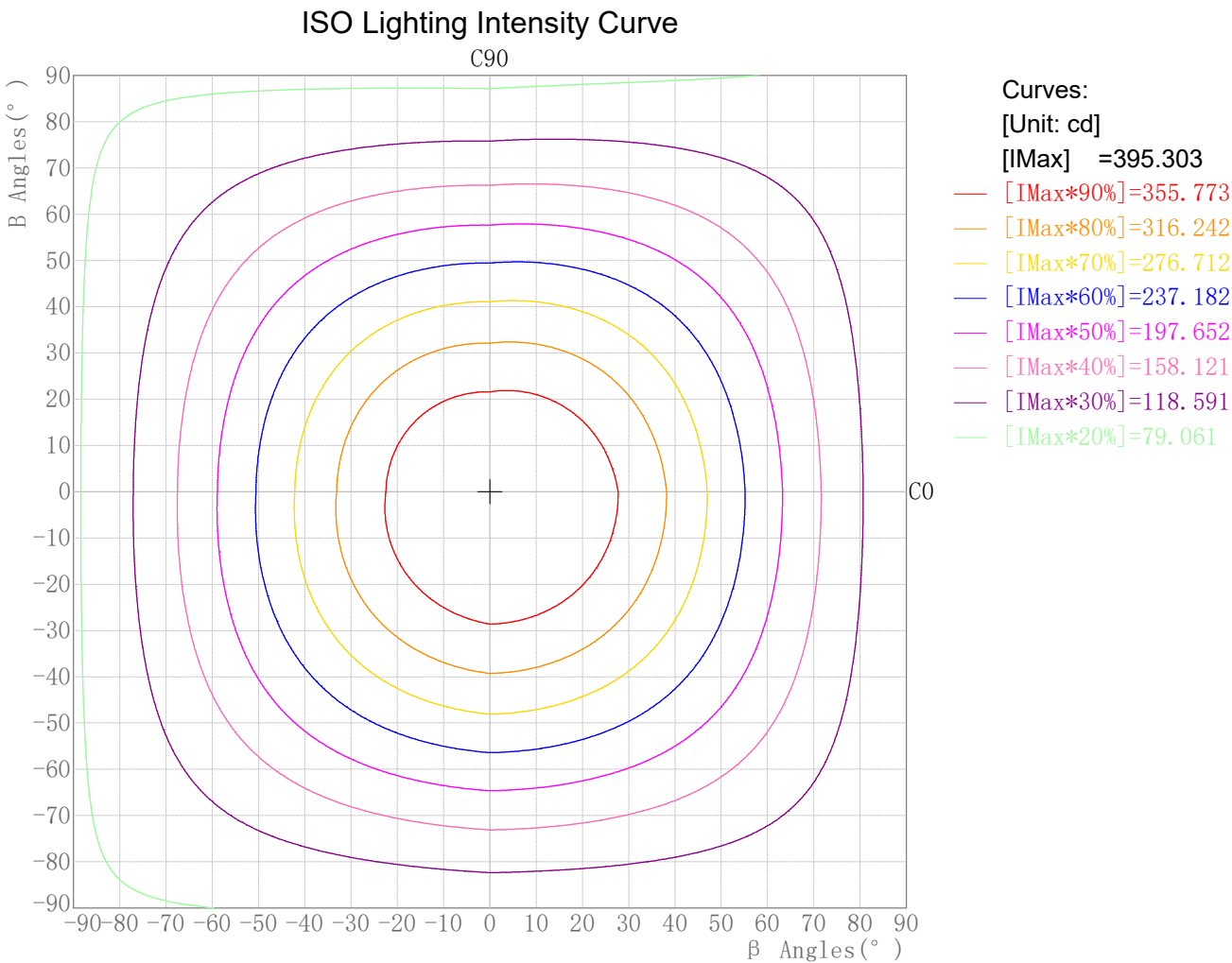
View Angles:Orient:0Tilt:0Roll:0Spin:0

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-10.0	37.39	37.39	2.01	2.01
10.0-20.0	107.11	144.50	5.76	7.77
20.0-30.0	162.74	307.24	8.75	16.52
30.0-40.0	198.01	505.25	10.65	27.16
40.0-50.0	210.48	715.72	11.32	38.48
50.0-60.0	201.72	917.44	10.85	49.32
60.0-70.0	176.53	1093.97	9.49	58.82
70.0-80.0	141.78	1235.74	7.62	66.44
80.0-90.0	104.62	1340.36	5.62	72.06
90.0-100.0	70.28	1410.64	3.78	75.84
100.0-110.0	42.04	1452.69	2.26	78.10
110.0-120.0	23.39	1476.07	1.26	79.36
120.0-130.0	12.95	1489.02	0.70	80.05
130.0-140.0	7.25	1496.27	0.39	80.44
140.0-150.0	4.28	1500.55	0.23	80.67
150.0-160.0	2.44	1502.98	0.13	80.81
160.0-170.0	1.28	1504.26	0.07	80.87
170.0-180.0	0.40	1504.66	0.02	80.90

Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30



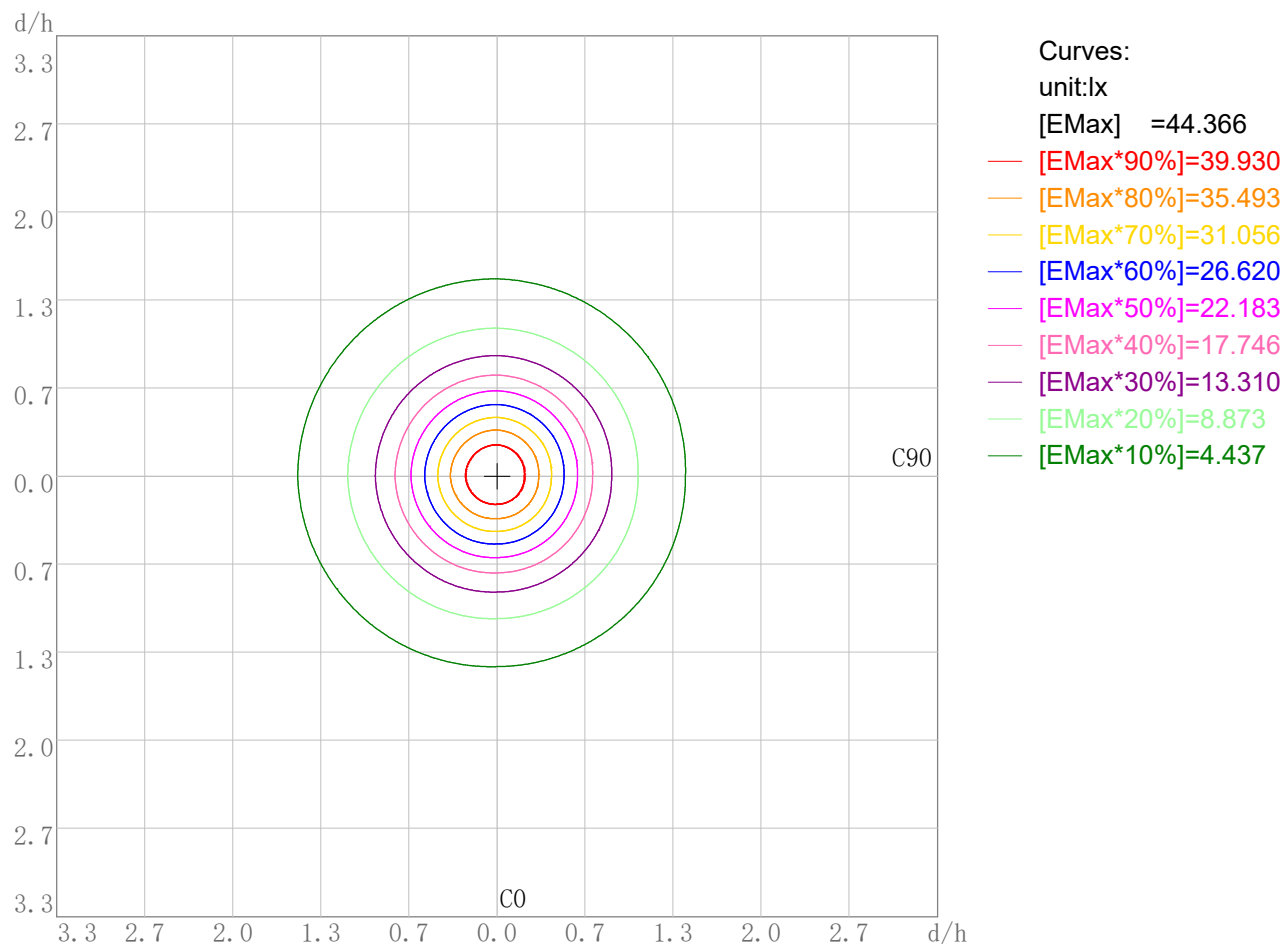
Maximum Light Intensity(cd): 395.30

Maximum Cand.@Angle: H=0.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

Plane ISO-Illuminance Curve

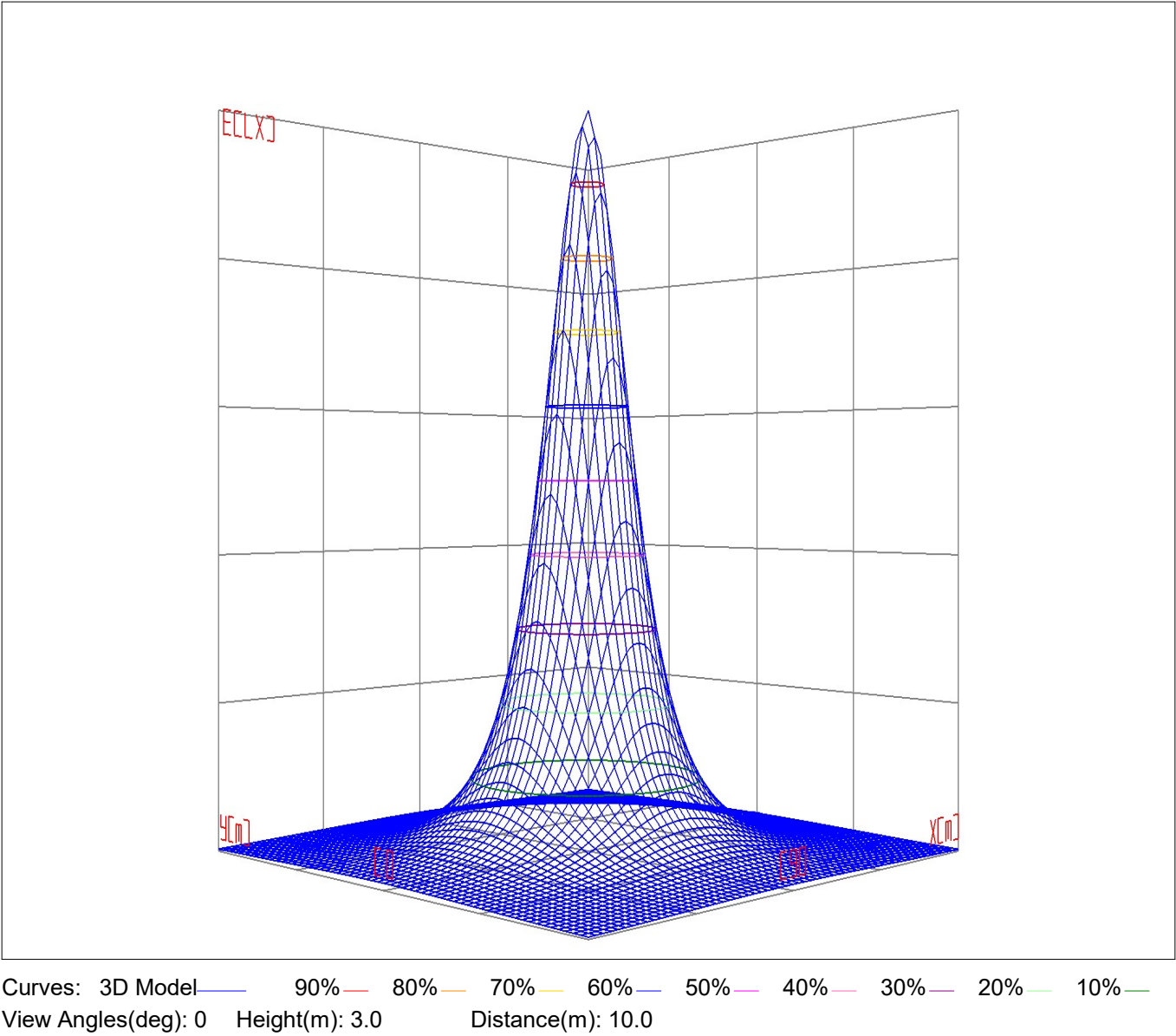


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 44.37
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

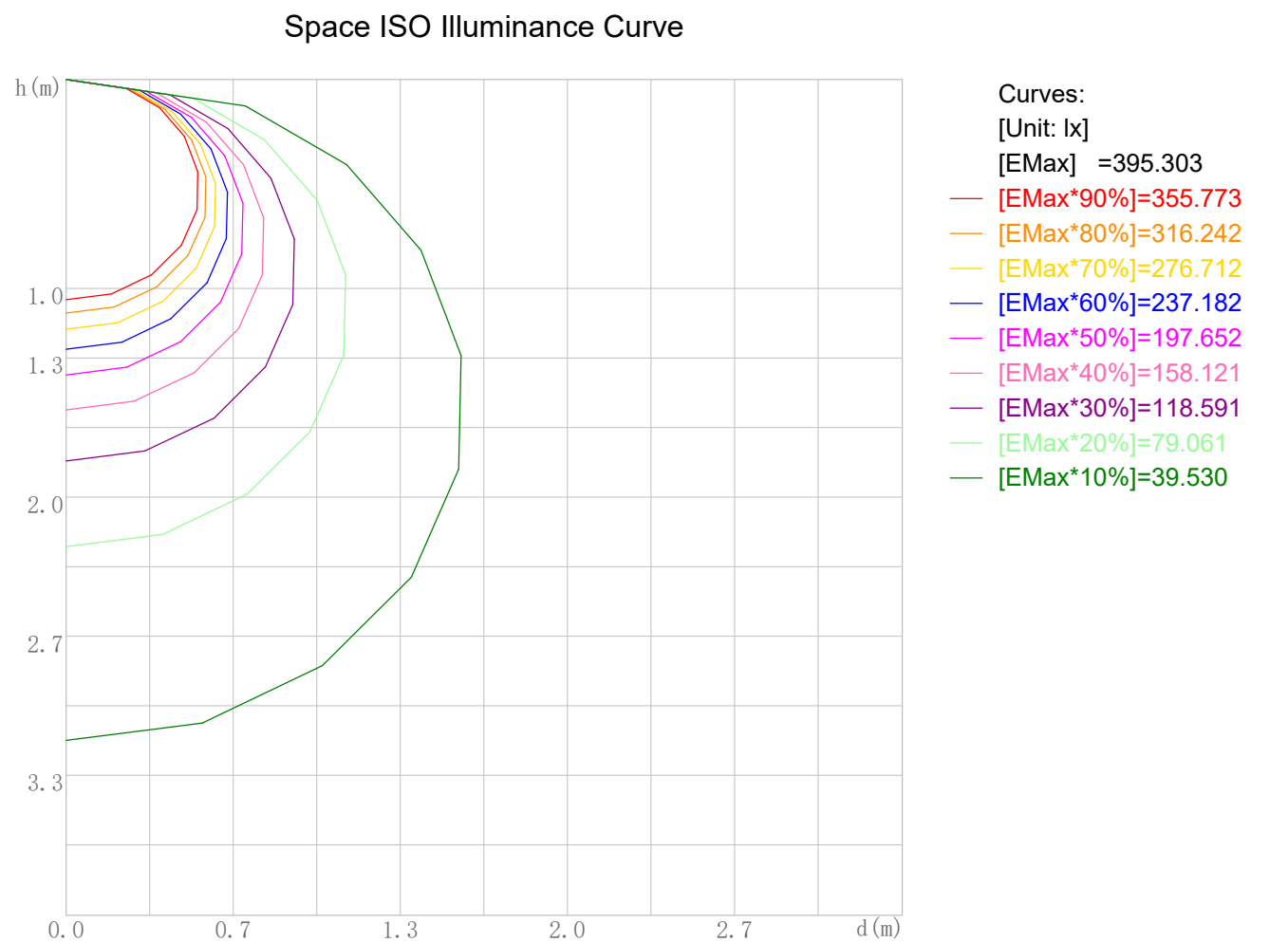
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

3D Plane Illuminance Modal



Space ISO Illuminance Diagram

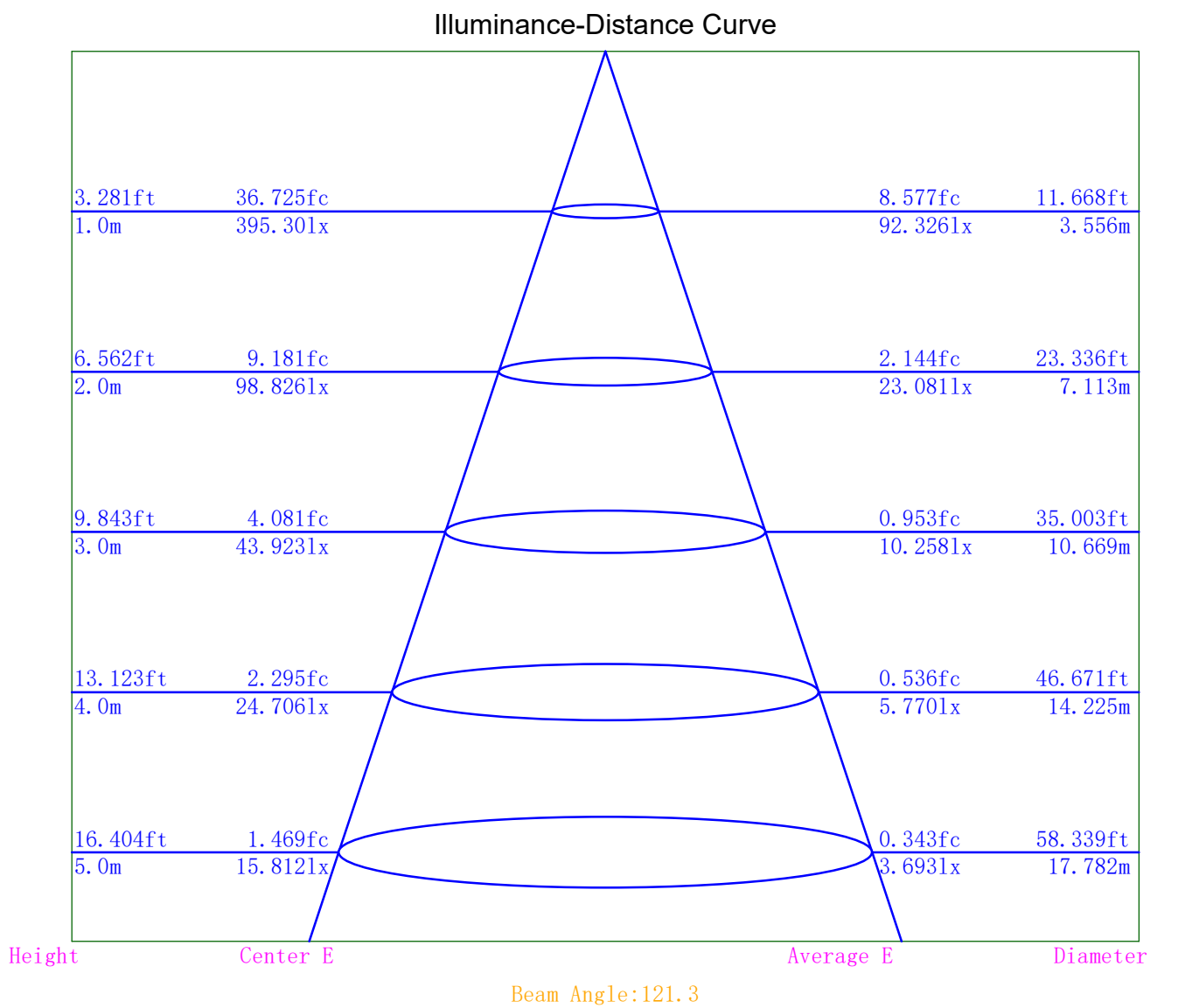
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30



Space Plane Maximum Illuminance and @Angle:395.30lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:395.303cd,0deg

Illuminance-Distance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

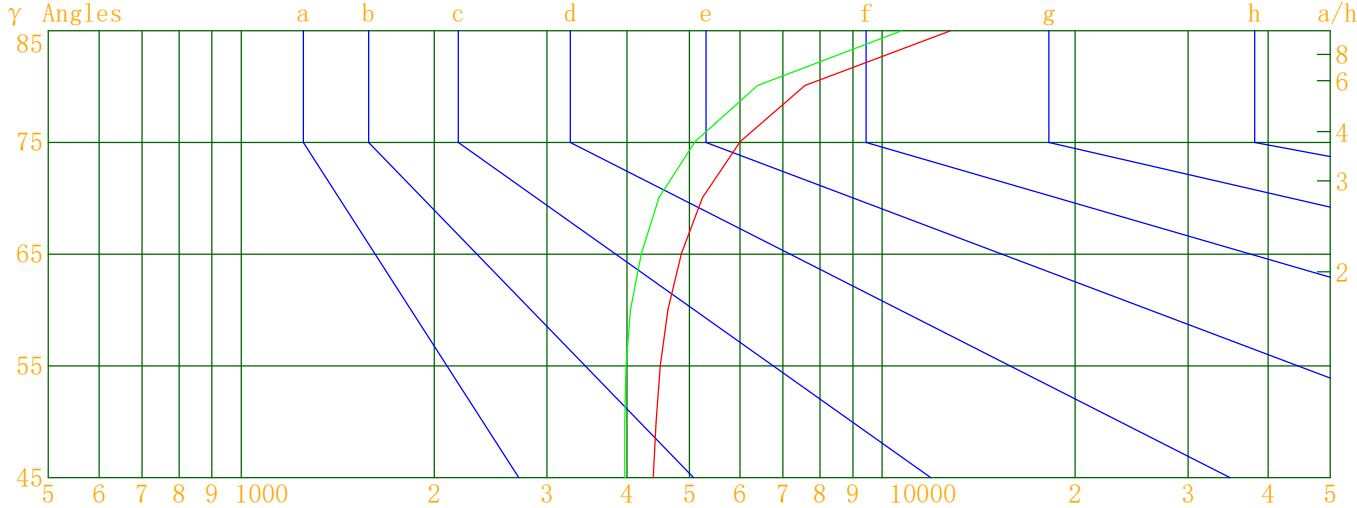
Glare Grade Table

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	4391	4439	4507	4633	4864	5247	6007	7574	12791
C90	3967	3964	3986	4048	4210	4487	5109	6392	10718

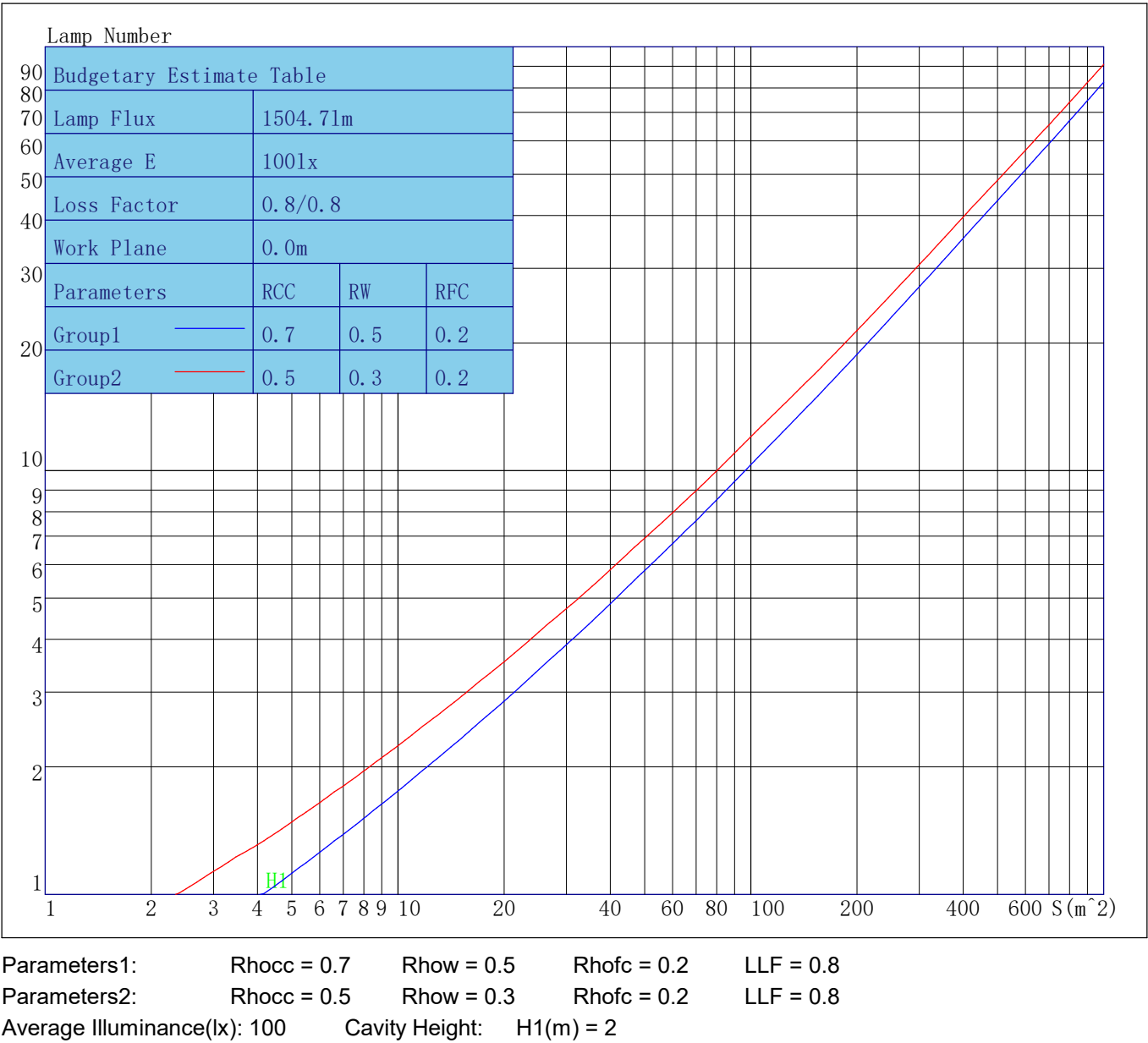
Luminance Limiting Curve



Luminous Size: Length(m)=0.670 Width(m)=0.063 Height(m)=0.073 Area(m^2)=0.091120
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: 2022/09/30



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

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	94	94	94	94	91	91	91	91	85	85	85	79	79	79	74	74	74	72
1	84	79	75	71	81	76	72	69	71	68	65	66	64	62	62	60	58	56
2	75	68	62	56	72	66	60	55	61	56	52	57	53	50	53	50	47	45
3	68	59	52	46	66	57	50	45	53	48	43	50	45	41	47	43	39	37
4	62	52	44	39	60	50	43	38	47	41	36	44	39	35	41	37	33	31
5	57	46	39	33	55	45	38	32	42	36	31	39	34	30	37	33	29	27
6	53	41	34	29	51	40	33	28	38	32	27	36	30	26	34	29	25	23
7	49	38	30	25	47	36	30	25	34	28	24	32	27	23	31	26	22	20
8	45	34	27	22	44	33	27	22	31	25	21	30	24	21	28	23	20	18
9	42	31	24	20	41	30	24	20	29	23	19	27	22	18	26	21	18	16
10	40	29	22	18	38	28	22	18	27	21	17	25	20	17	24	20	16	15

Unified Glare Rating Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

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	17.6	19.0	18.2	19.5	20.1	17.0	18.3	17.5	18.9	19.4
	19.9	21.1	20.5	21.7	22.3	19.1	20.3	19.7	20.9	21.5
	21.1	22.3	21.7	22.8	23.4	20.3	21.4	20.8	21.9	22.6
	22.4	23.4	23.0	24.0	24.7	21.5	22.5	22.0	23.1	23.7
	23.1	24.1	23.7	24.7	25.3	22.1	23.1	22.7	23.7	24.3
	23.9	24.8	24.5	25.4	26.1	22.9	23.8	23.5	24.4	25.1
X=4H Y=2H	18.6	19.7	19.1	20.2	20.9	17.9	19.1	18.5	19.6	20.2
	21.1	22.0	21.7	22.6	23.2	20.3	21.2	20.9	21.8	22.5
	22.5	23.3	23.1	23.9	24.6	21.6	22.4	22.2	23.1	23.7
	23.9	24.6	24.6	25.2	25.9	23.0	23.7	23.7	24.4	25.1
	24.7	25.4	25.4	26.0	26.7	23.8	24.4	24.4	25.0	25.8
	25.7	26.2	26.3	26.8	27.6	24.7	25.2	25.3	25.9	26.6
X=8H Y=4H	23.1	23.7	23.7	24.3	25.0	22.3	22.9	22.9	23.5	24.2
	24.8	25.3	25.5	25.9	26.7	24.0	24.4	24.6	25.1	25.9
	25.8	26.2	26.5	26.9	27.6	24.9	25.3	25.6	26.0	26.7
	27.0	27.2	27.7	27.9	28.7	26.0	26.3	26.7	27.0	27.8
X=12H Y=4H	23.2	23.7	23.9	24.4	25.1	22.4	23.0	23.1	23.6	24.3
	25.1	25.4	25.8	26.1	26.9	24.2	24.6	24.9	25.3	26.0
	26.2	26.5	26.9	27.1	27.9	25.3	25.6	26.0	26.3	27.1
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.1/-0.1				
S=1.5H	0.2/-0.2					0.2/-0.2				
S=2.0H	0.1/-0.2					0.1/-0.2				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	5.2					5.1				

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

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	395.30	395.30	395.30	395.30
γ 10.0	392.44	382.87	384.54	392.58
γ 20.0	375.08	357.90	360.73	376.62
γ 30.0	345.42	322.34	326.30	348.34
γ 40.0	305.86	278.99	284.02	310.34
γ 50.0	260.02	232.18	237.47	265.35
γ 60.0	211.07	184.43	190.48	217.73
γ 70.0	163.51	139.84	145.39	170.28
γ 80.0	119.85	101.15	105.83	126.28
γ 90.0	83.31	69.08	73.00	88.61
γ 100.0	53.57	43.43	46.61	57.71
γ 110.0	29.90	25.24	27.85	33.63
γ 120.0	17.32	16.03	17.57	20.97
γ 130.0	10.76	9.91	10.82	12.07
γ 140.0	7.92	7.20	7.59	8.59
γ 150.0	6.03	5.41	5.39	6.35
γ 160.0	4.94	4.52	4.45	5.04
γ 170.0	4.44	4.25	4.13	4.22
γ 180.0	4.13	4.13	4.13	4.13