

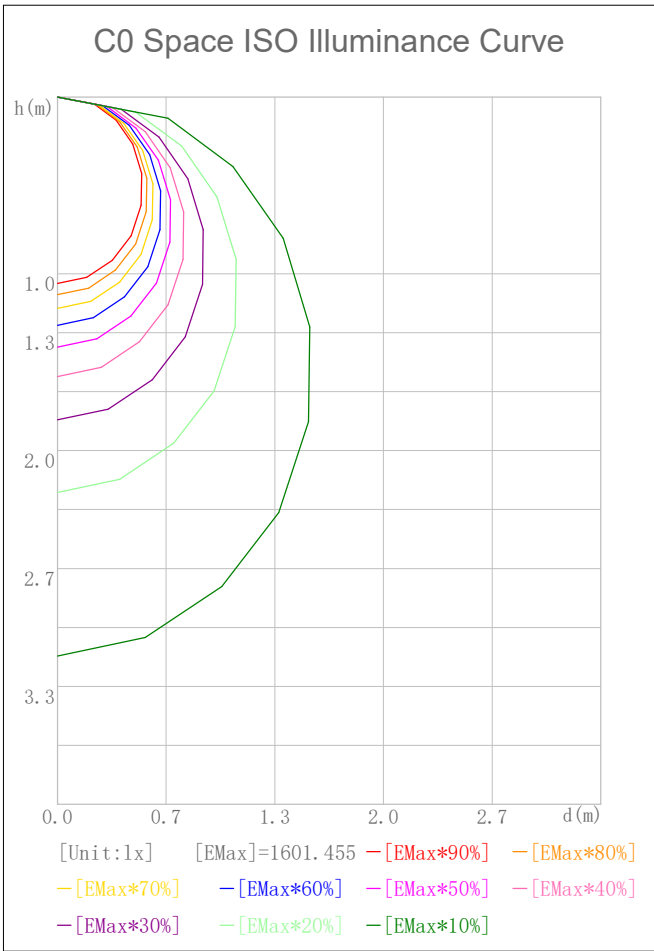
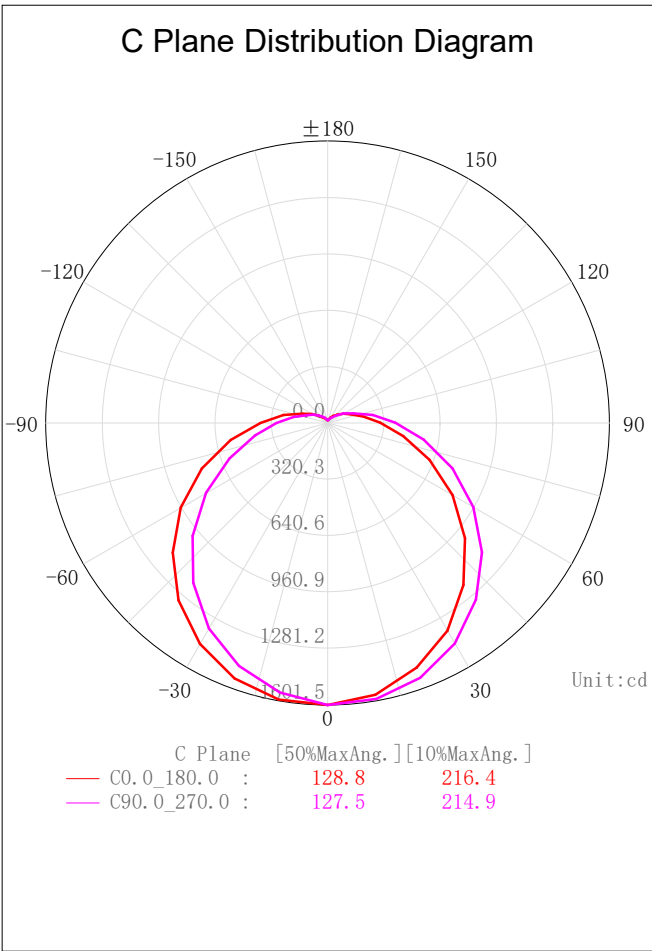
Indoor Luminaire Photometric Data

Description Information

Luminary Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2022/09/27
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.063m*1.520m*0.073m	Lum. Area(m2):0.207	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=10.0	Temp.(°C): 25
		Humidity(%): 50.0

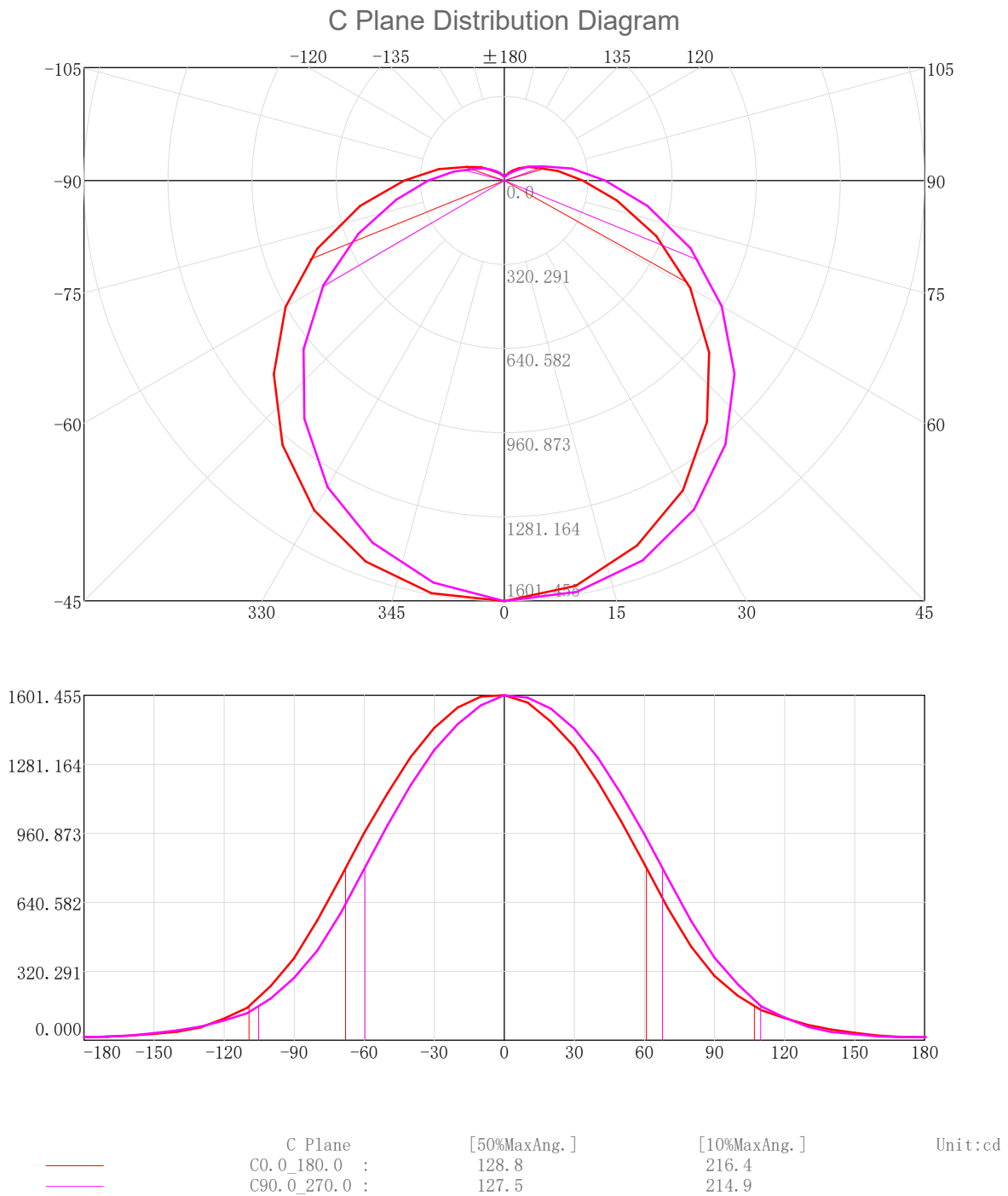
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 8120.000	Luminary Flux(lm): 6515.461	Field Angle(10%Imax): 216.4(°)
Rated Power(W):	Luminary Efficiency: 80.24%	Down Lumens&Percent: 5725.692lm 87.88%
Rated Voltage(V):	Luminary EER(lm/W): 131.334	Up Lumens&Percent: 789.769lm 12.12%
Tested Power(W): 49.610	Max. Candela(cd): 1601.455	S/MH: C0_a180=1.311 C90_270=1.302
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 γ=0.0	CIE Type: General Diffuse
Tested Electrics(V, A, pf):231.4, 0.220, 0.973	Beam Angle(50%Imax): 128.8(°)	ErP Φuse(120°): 3935.373lm
Lamp Size(W*L*H):0.063m*1.520m*0.073m	Left=-67.9°, Right=60.9°	IRF(%): 104.443



2D Plane Light Intensity Distribution Curve

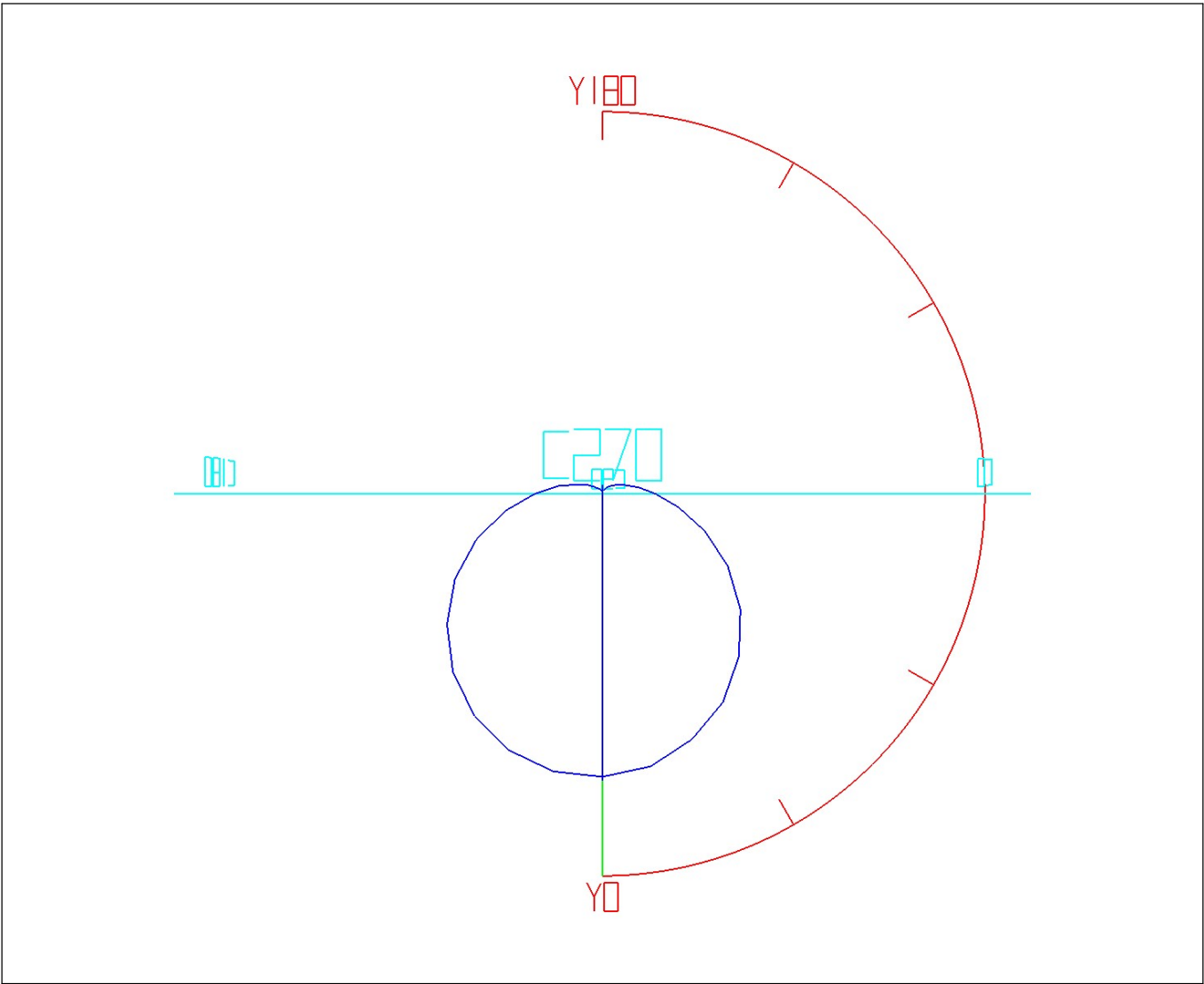
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27

3D Light Intensity Distribution Modal



Curves:

3D Model

Fixture

Vert. HUD

Hori. HUD

View Angles:

Orient:0

Tilt:0

Roll:0

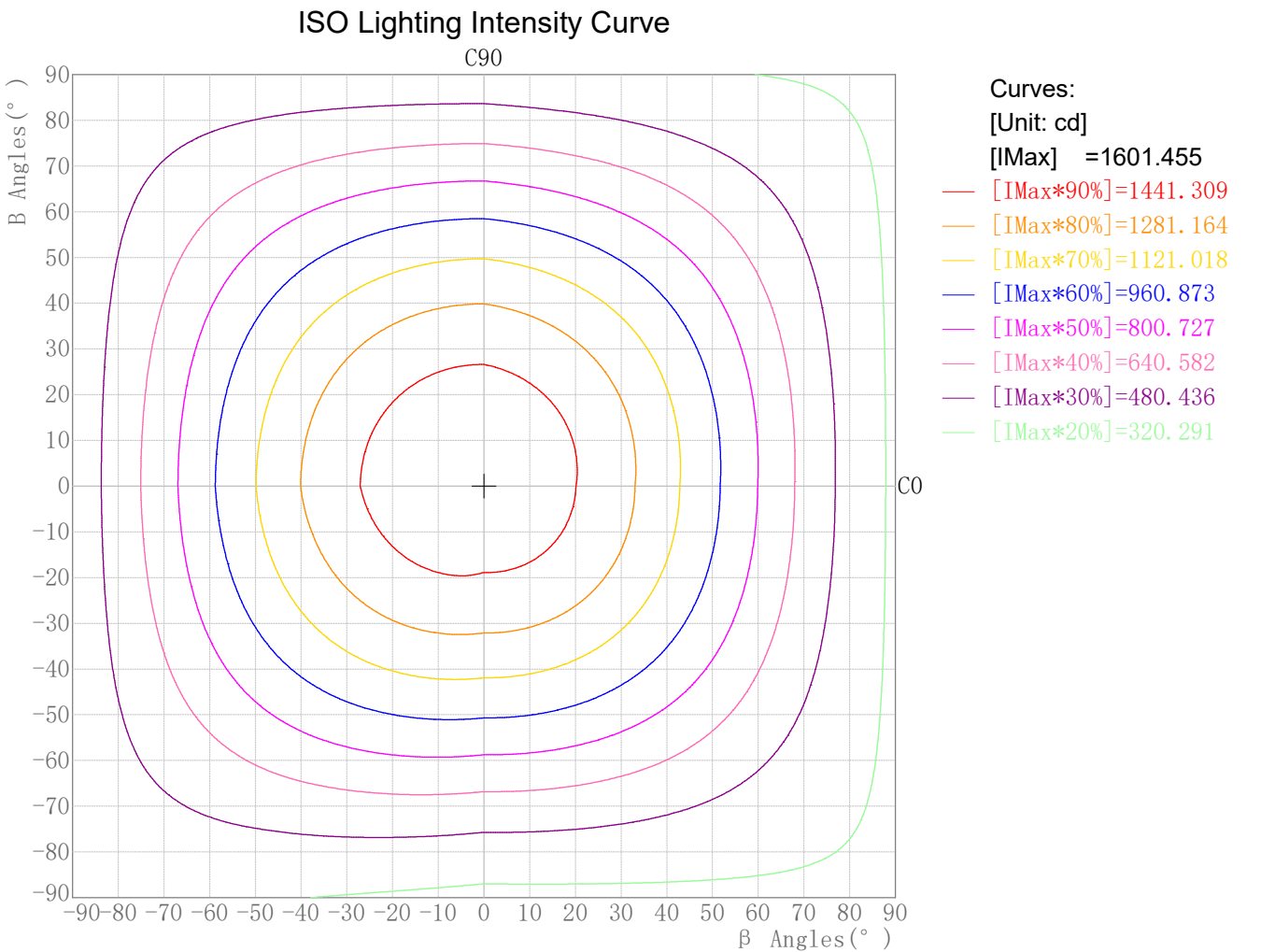
Spin:0

Zonal Flux Tabulation

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	151. 69	151. 69	1. 87	1. 87
10. 0-20. 0	437. 14	588. 83	5. 38	7. 25
20. 0-30. 0	673. 17	1262. 00	8. 29	15. 54
30. 0-40. 0	833. 65	2095. 65	10. 27	25. 81
40. 0-50. 0	902. 19	2997. 84	11. 11	36. 92
50. 0-60. 0	879. 24	3877. 08	10. 83	47. 75
60. 0-70. 0	775. 88	4652. 95	9. 56	57. 30
70. 0-80. 0	619. 84	5272. 79	7. 63	64. 94
80. 0-90. 0	452. 90	5725. 69	5. 58	70. 51
90. 0-100. 0	309. 94	6035. 64	3. 82	74. 33
100. 0-110. 0	197. 87	6233. 51	2. 44	76. 77
110. 0-120. 0	121. 86	6355. 37	1. 50	78. 27
120. 0-130. 0	74. 48	6429. 85	0. 92	79. 19
130. 0-140. 0	42. 33	6472. 18	0. 52	79. 71
140. 0-150. 0	23. 94	6496. 12	0. 29	80. 00
150. 0-160. 0	12. 42	6508. 54	0. 15	80. 15
160. 0-170. 0	5. 42	6513. 96	0. 07	80. 22
170. 0-180. 0	1. 50	6515. 46	0. 02	80. 24

Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



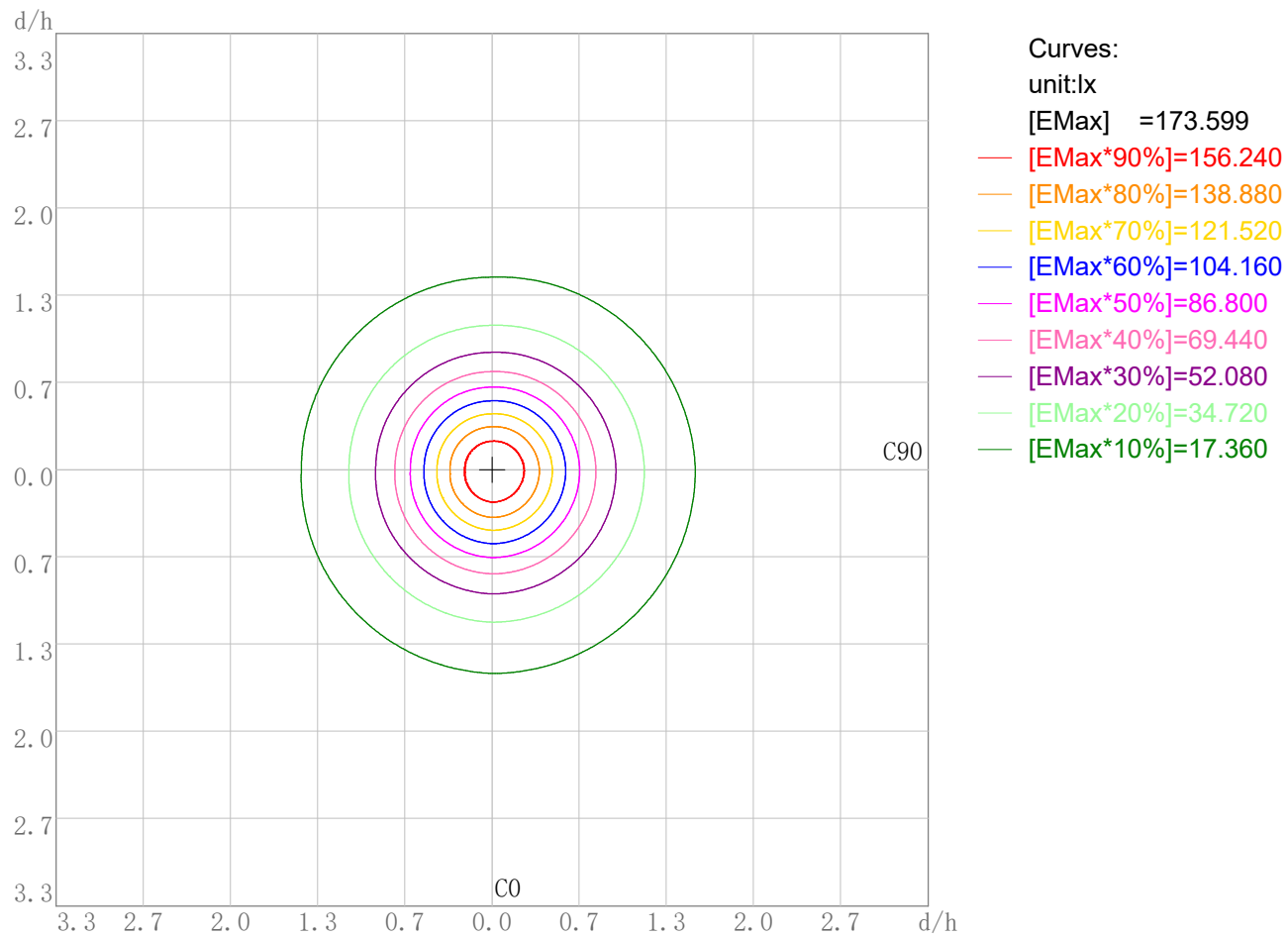
Maximum Light Intensity(cd): 1601.45

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: 2022/09/27

Plane ISO-Illuminance Curve

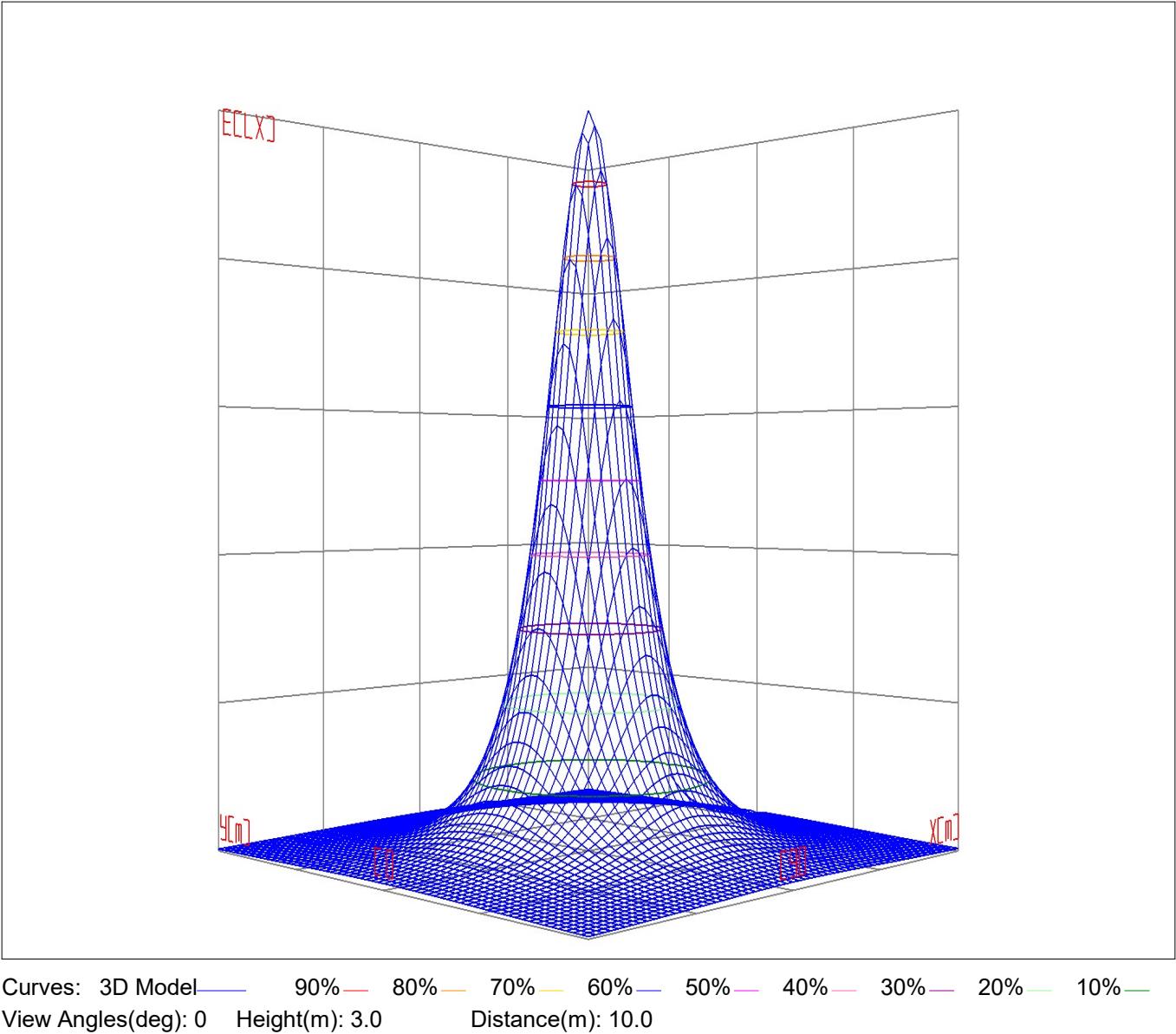


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 173.60  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

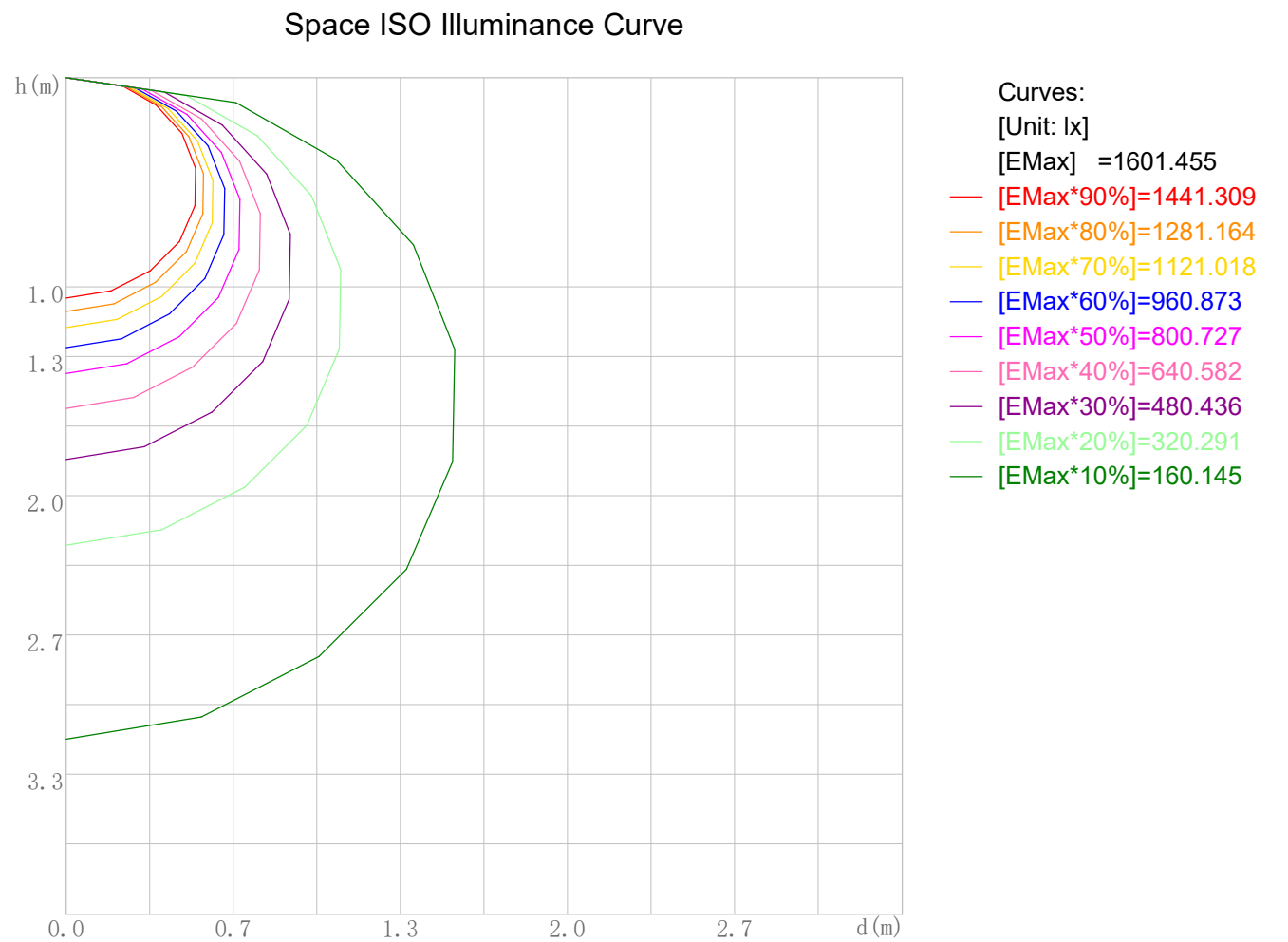
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27

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: 2022/09/27

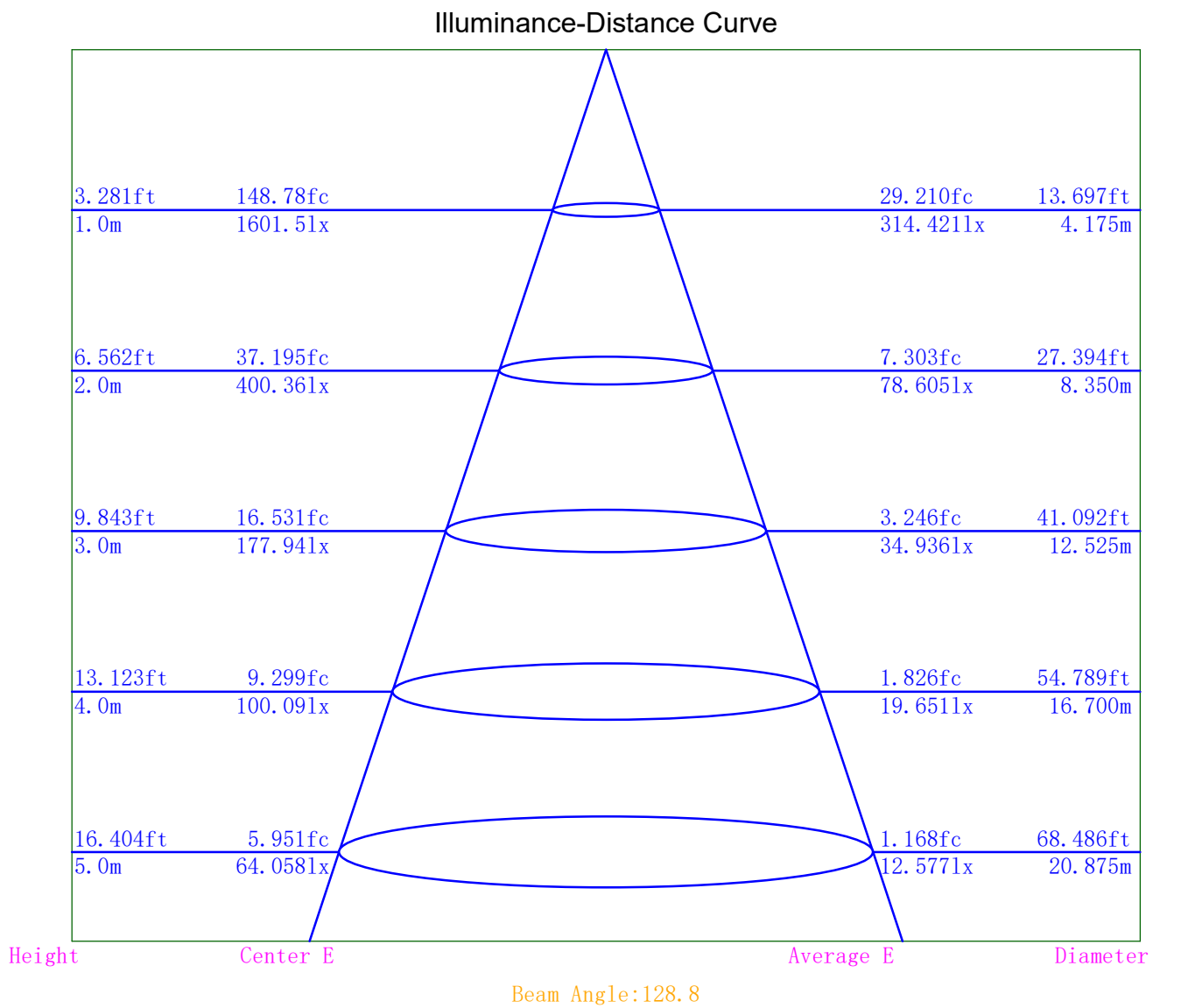


Space Plane Maximum Illuminance and @Angle:1601.45lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:1601.455cd,0eg



Illuminance-Distance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27

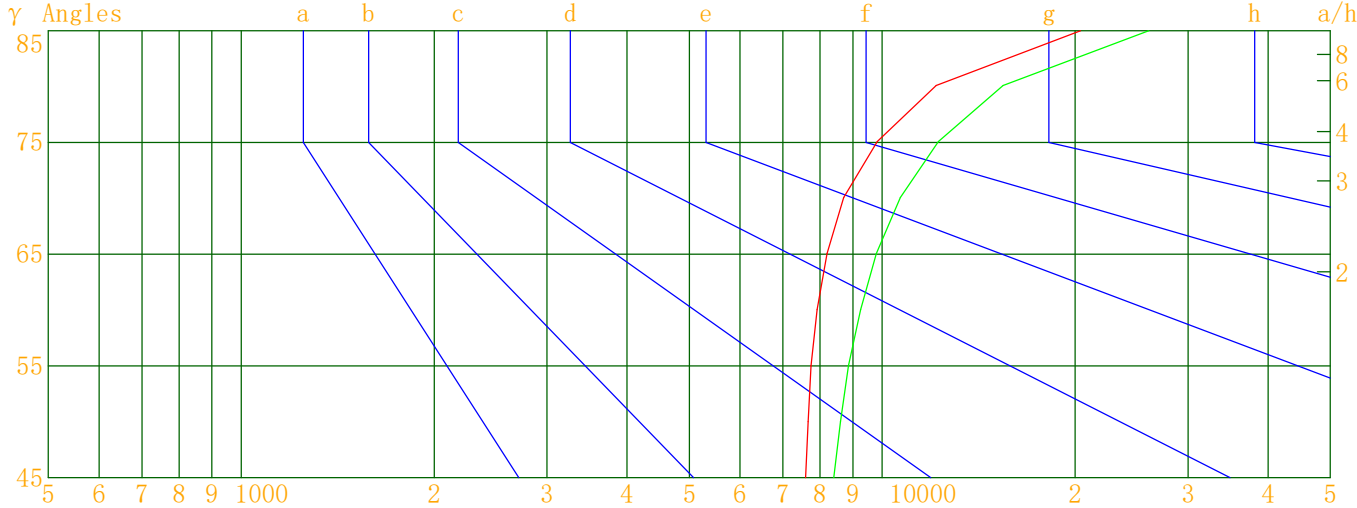
Glare Grade Table

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	7590	7664	7745	7918	8206	8705	9824	12140	20401
C90	8399	8612	8858	9252	9794	10678	12237	15446	26050

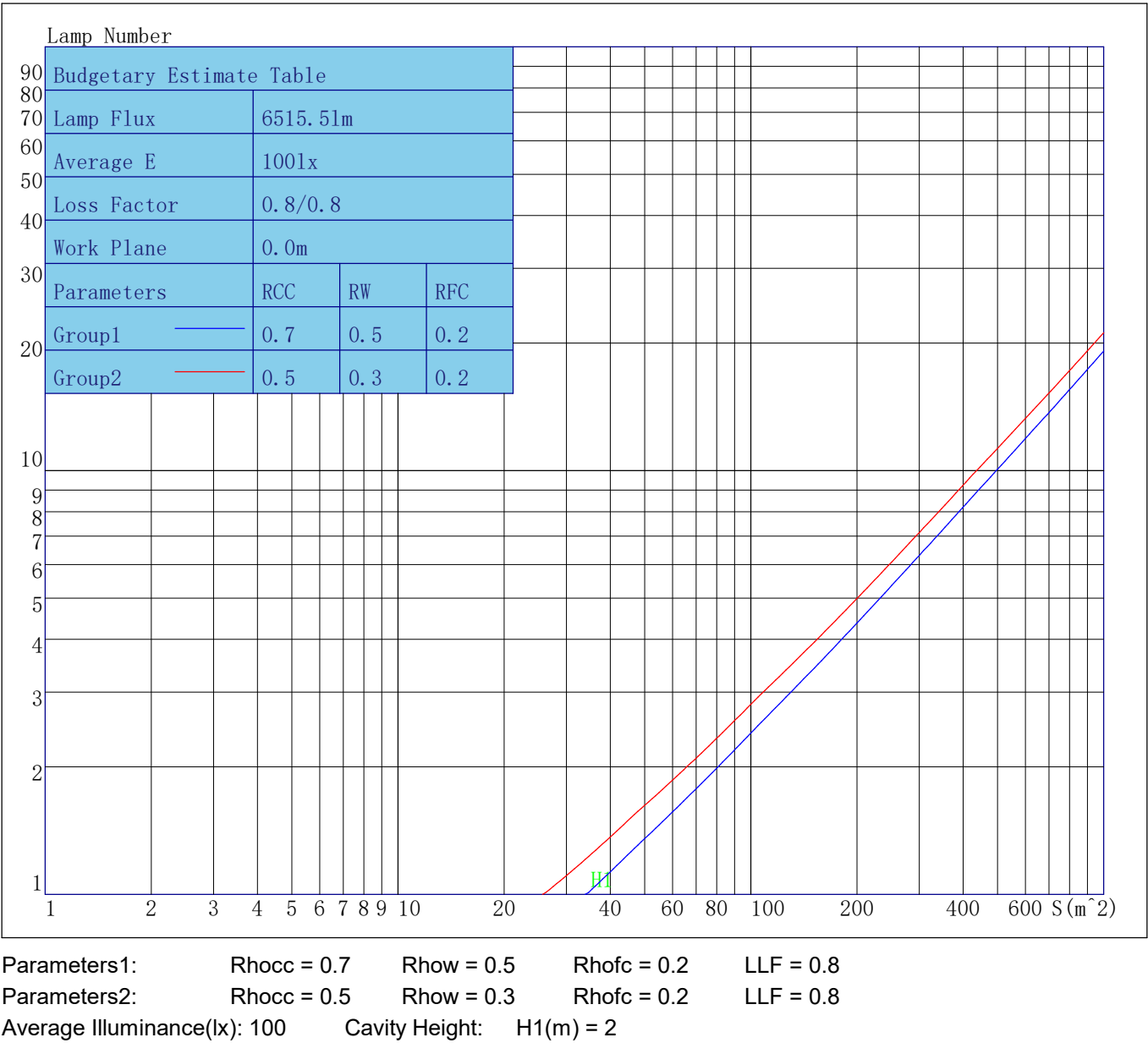
Luminance Limiting Curve



Luminous Size: Length(m)=1.520 Width(m)=0.063 Height(m)=0.073 Area(m^2)=0.206720  
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: 2022/09/27



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27

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	93	93	93	93	90	90	90	90	84	84	84	78	78	78	73	73	73	71
1	83	78	74	70	80	75	71	68	70	67	64	65	63	60	61	59	57	54
2	75	67	61	55	71	65	59	54	60	55	51	56	52	49	52	49	46	44
3	67	58	51	45	65	56	49	44	52	47	42	49	44	40	45	42	38	36
4	61	51	44	38	59	49	42	37	46	40	35	43	38	34	40	36	32	30
5	56	45	38	32	54	44	37	31	41	35	30	38	33	29	36	31	28	26
6	52	41	33	28	50	39	32	27	37	31	26	35	29	25	32	28	24	22
7	48	37	29	24	46	36	29	24	33	27	23	31	26	22	30	25	21	20
8	45	33	26	22	43	32	26	21	31	25	20	29	24	20	27	22	19	17
9	42	31	24	19	40	30	23	19	28	22	18	26	21	18	25	20	17	16
10	39	28	22	17	37	27	21	17	26	20	17	25	20	16	23	19	16	14

Unified Glare Rating Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27

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	19.3	20.6	19.8	21.2	21.8	20.1	21.4	20.6	22.0	22.6
	21.5	22.7	22.0	23.2	23.9	22.5	23.7	23.0	24.2	24.9
	22.6	23.7	23.2	24.3	24.9	23.7	24.8	24.3	25.4	26.0
	23.8	24.8	24.4	25.4	26.0	25.0	26.0	25.6	26.6	27.3
	24.4	25.4	25.0	26.0	26.7	25.7	26.7	26.4	27.3	28.0
	25.2	26.1	25.8	26.7	27.4	26.5	27.4	27.2	28.0	28.7
X=4H    Y=2H	20.3	21.4	20.9	21.9	22.6	21.0	22.1	21.6	22.7	23.4
	22.7	23.6	23.3	24.2	24.9	23.6	24.5	24.2	25.1	25.8
	24.0	24.8	24.6	25.4	26.1	25.1	25.8	25.7	26.4	27.2
	25.4	26.0	26.0	26.6	27.4	26.6	27.2	27.2	27.9	28.6
	26.1	26.7	26.8	27.3	28.1	27.4	28.0	28.0	28.6	29.3
	27.0	27.4	27.6	28.1	28.9	28.3	28.8	29.0	29.5	30.2
X=8H    Y=4H	24.6	25.2	25.3	25.8	26.6	25.7	26.2	26.3	26.9	27.6
	26.3	26.7	27.0	27.4	28.2	27.5	27.8	28.1	28.5	29.3
	27.2	27.5	27.9	28.2	29.0	28.5	28.8	29.2	29.5	30.2
	28.3	28.5	29.0	29.2	30.1	29.6	29.9	30.4	30.5	31.4
X=12H    Y=4H	24.8	25.3	25.5	25.9	26.7	25.8	26.3	26.5	27.0	27.7
	26.6	26.9	27.3	27.5	28.3	27.7	28.0	28.4	28.7	29.5
	27.6	27.8	28.3	28.5	29.4	28.8	29.0	29.5	29.7	30.6
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.1/-0.1				
S=1.5H	0.2/-0.3					0.2/-0.2				
S=2.0H	0.2/-0.2					0.1/-0.2				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	5.0					5.3				

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	1601.45	1601.45	1601.45	1601.45
γ 10.0	1566.71	1590.50	1595.63	1554.13
γ 20.0	1478.86	1539.23	1544.30	1467.57
γ 30.0	1362.37	1445.59	1449.55	1347.37
γ 40.0	1200.69	1311.13	1315.03	1184.66
γ 50.0	1018.35	1144.39	1146.74	998.61
γ 60.0	818.38	956.28	962.28	795.18
γ 70.0	615.46	754.98	758.73	591.88
γ 80.0	435.77	554.47	558.14	417.83
γ 90.0	299.33	384.22	381.42	289.60
γ 100.0	207.76	261.39	253.49	195.37
γ 110.0	140.84	157.85	152.45	127.16
γ 120.0	103.76	106.50	100.98	92.62
γ 130.0	72.02	63.82	60.49	63.98
γ 140.0	50.78	39.55	40.30	46.32
γ 150.0	35.03	28.74	29.94	34.16
γ 160.0	22.43	18.63	22.46	23.26
γ 170.0	16.08	15.56	17.43	17.10
γ 180.0	14.91	14.91	14.91	14.91