

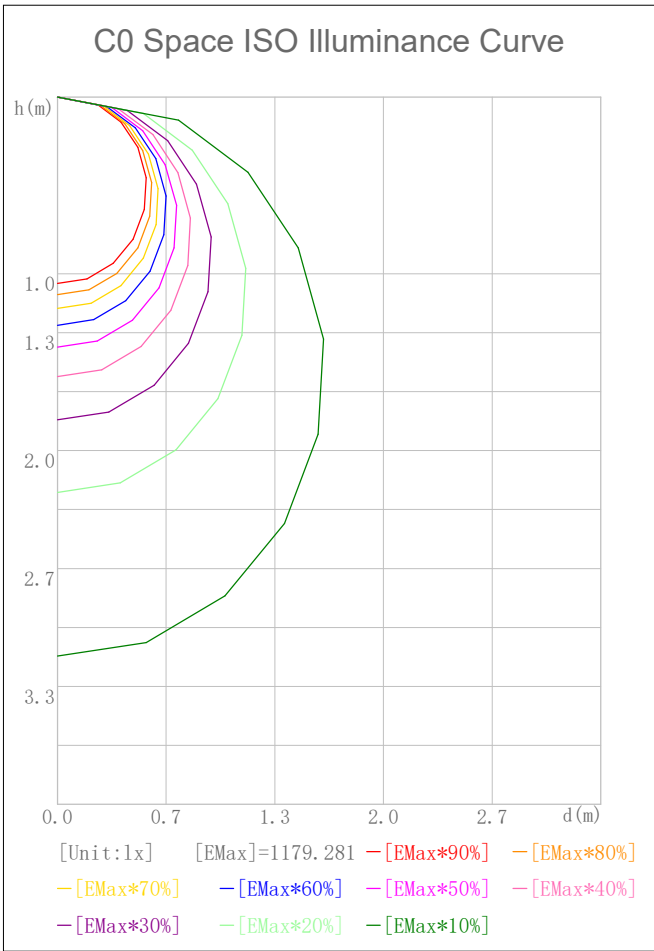
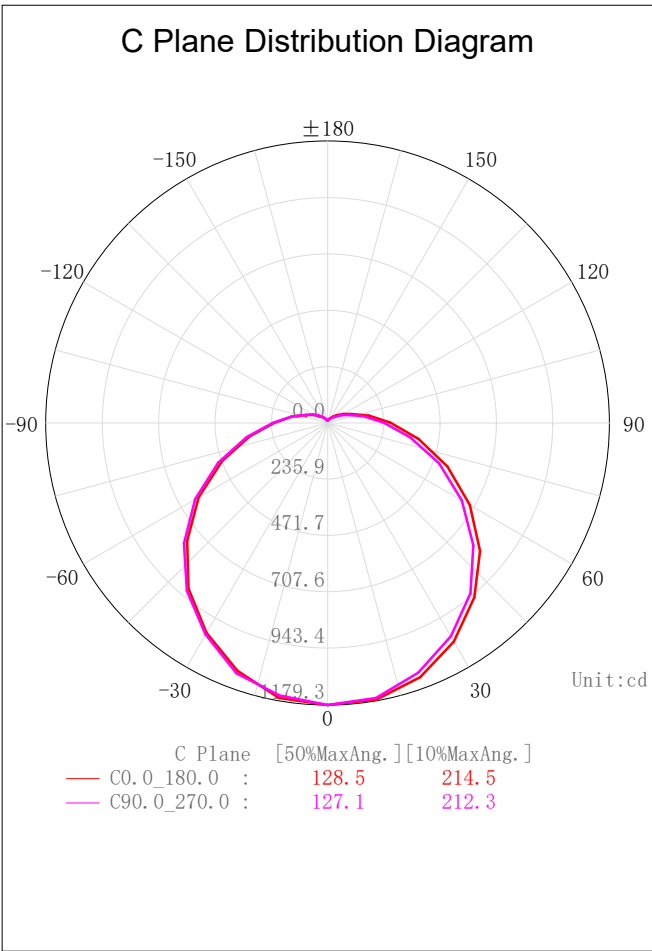
Indoor Luminaire Photometric Data

Description Information

Luminary Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2022/09/29
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.063m*1.820m*0.073m	Lum. Area (m2):0.248	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=45.0 γ=10.0	Temp. (°C): 25
		Humidity(%): 50.0

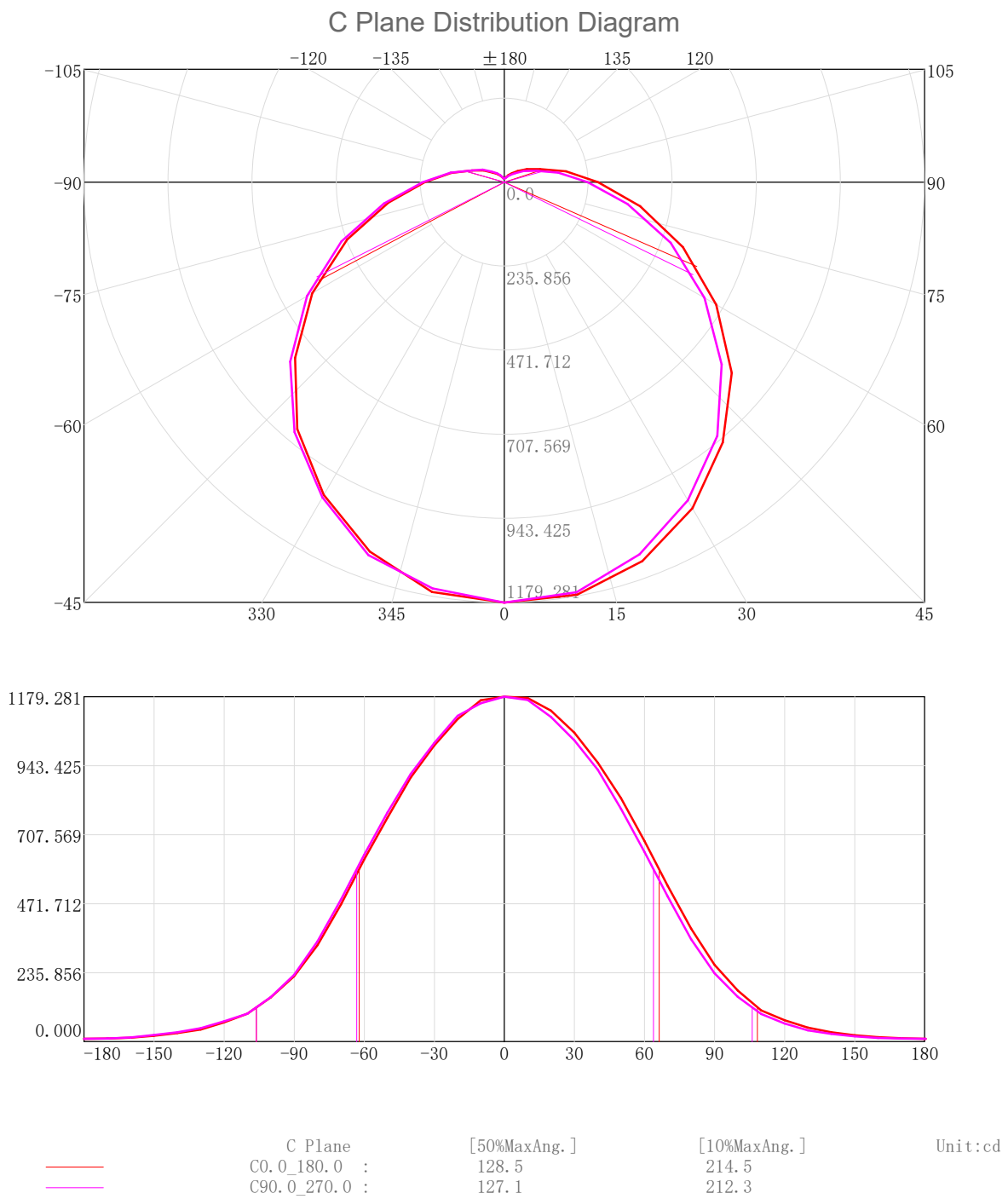
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 5800.000	Luminary Flux(lm): 4667.959	Field Angle(10%Imax): 214.5(°)
Rated Power(W):	Luminary Efficiency: 80.48%	Down Lumens&Percent: 4137.218lm 88.63%
Rated Voltage(V):	Luminary EER(lm/W): 125.719	Up Lumens&Percent: 530.741lm 11.37%
Tested Power(W): 37.130	Max. Candela(cd): 1179.281	S/MH: C0_a180=1.310 C90_270=1.301
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: General Diffuse
Tested Electrics(V, A, pf):231.3, 0.166, 0.966	Beam Angle(50%Imax): 128.5(°)	ErP Φuse(120°): 2848.119lm
Lamp Size(W*L*H):0.063m*1.820m*0.073m	Left=-62.1°, Right=66.3°	IRF(%): 101.285



2D Plane Light Intensity Distribution Curve

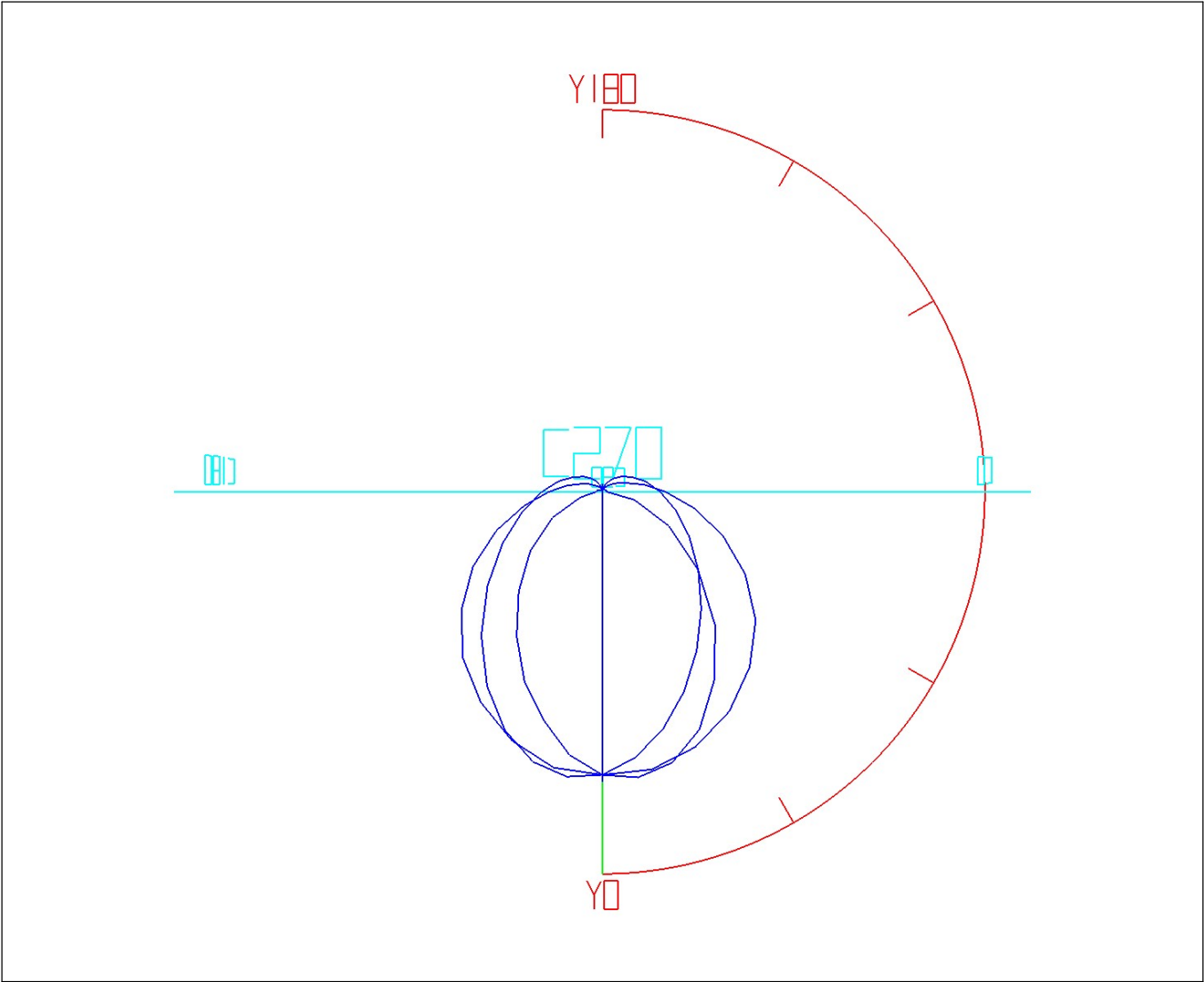
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29

3D Light Intensity Distribution Modal



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

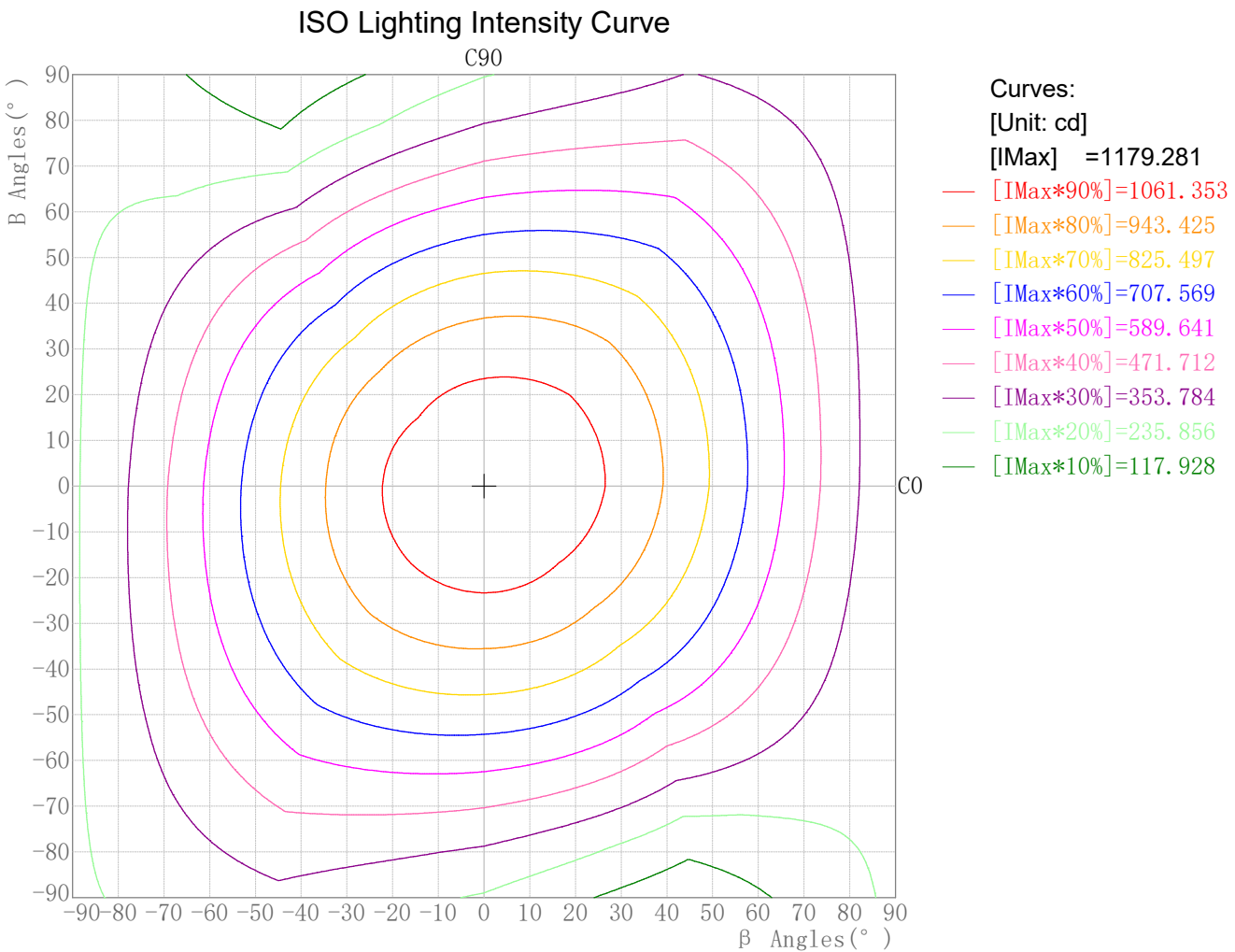
View Angles:Orient:0Tilt:0Roll:0Spin:0

**Zonal Flux Tabulation**

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	111. 84	111. 84	1. 93	1. 93
10. 0-20. 0	322. 52	434. 36	5. 56	7. 49
20. 0-30. 0	495. 83	930. 19	8. 55	16. 04
30. 0-40. 0	613. 61	1543. 80	10. 58	26. 62
40. 0-50. 0	663. 75	2207. 55	11. 44	38. 06
50. 0-60. 0	643. 07	2850. 62	11. 09	49. 15
60. 0-70. 0	558. 64	3409. 26	9. 63	58. 78
70. 0-80. 0	430. 75	3840. 00	7. 43	66. 21
80. 0-90. 0	297. 21	4137. 22	5. 12	71. 33
90. 0-100. 0	199. 23	4336. 45	3. 44	74. 77
100. 0-110. 0	132. 96	4469. 41	2. 29	77. 06
110. 0-120. 0	84. 42	4553. 83	1. 46	78. 51
120. 0-130. 0	52. 75	4606. 59	0. 91	79. 42
130. 0-140. 0	31. 01	4637. 60	0. 53	79. 96
140. 0-150. 0	17. 07	4654. 67	0. 29	80. 25
150. 0-160. 0	8. 51	4663. 18	0. 15	80. 40
160. 0-170. 0	3. 74	4666. 92	0. 06	80. 46
170. 0-180. 0	1. 03	4667. 96	0. 02	80. 48

Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29

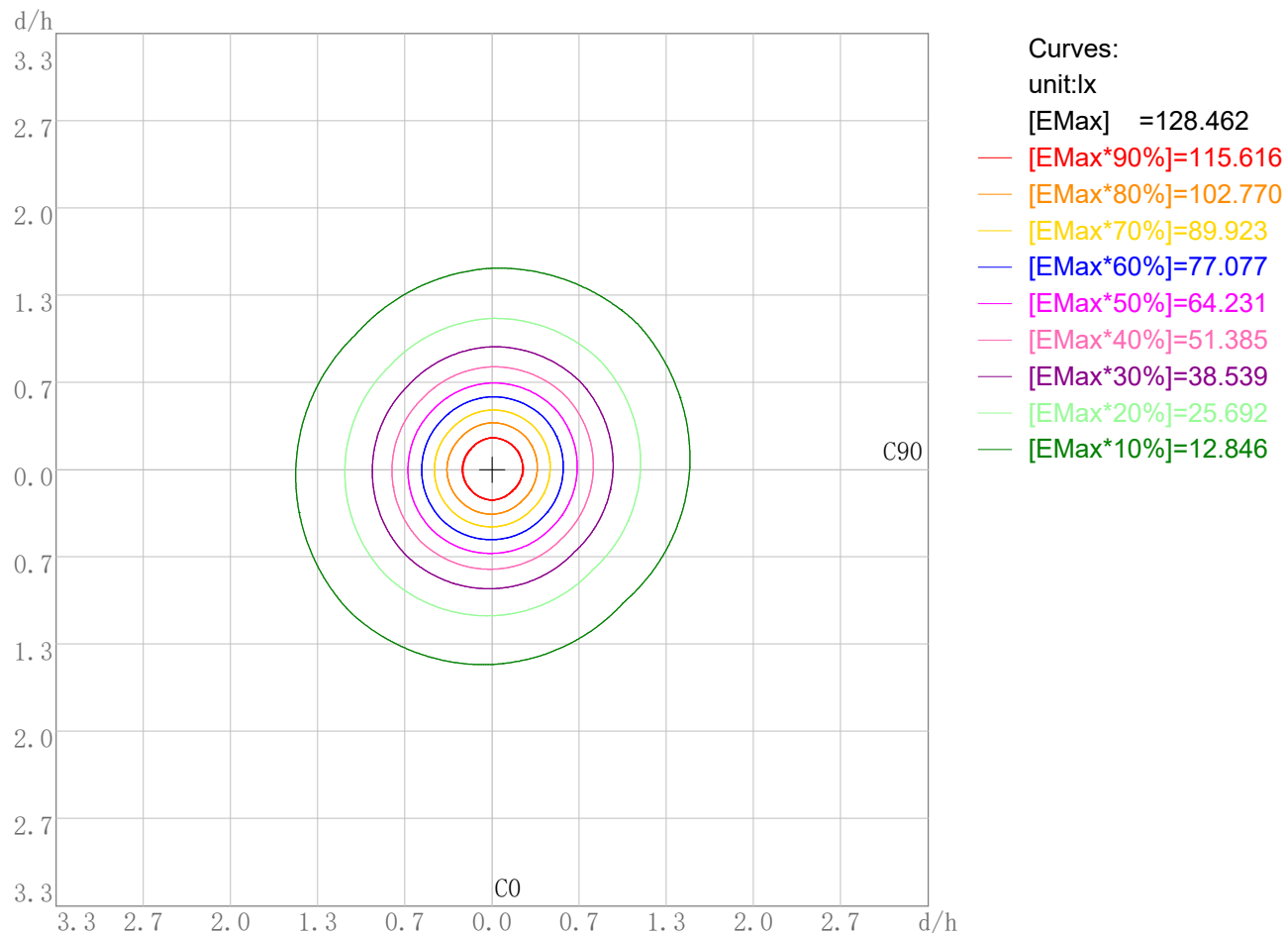


Maximum Light Intensity(cd): 1179.28  
Maximum Cand.@Angle: H=0.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29

Plane ISO-Illuminance Curve

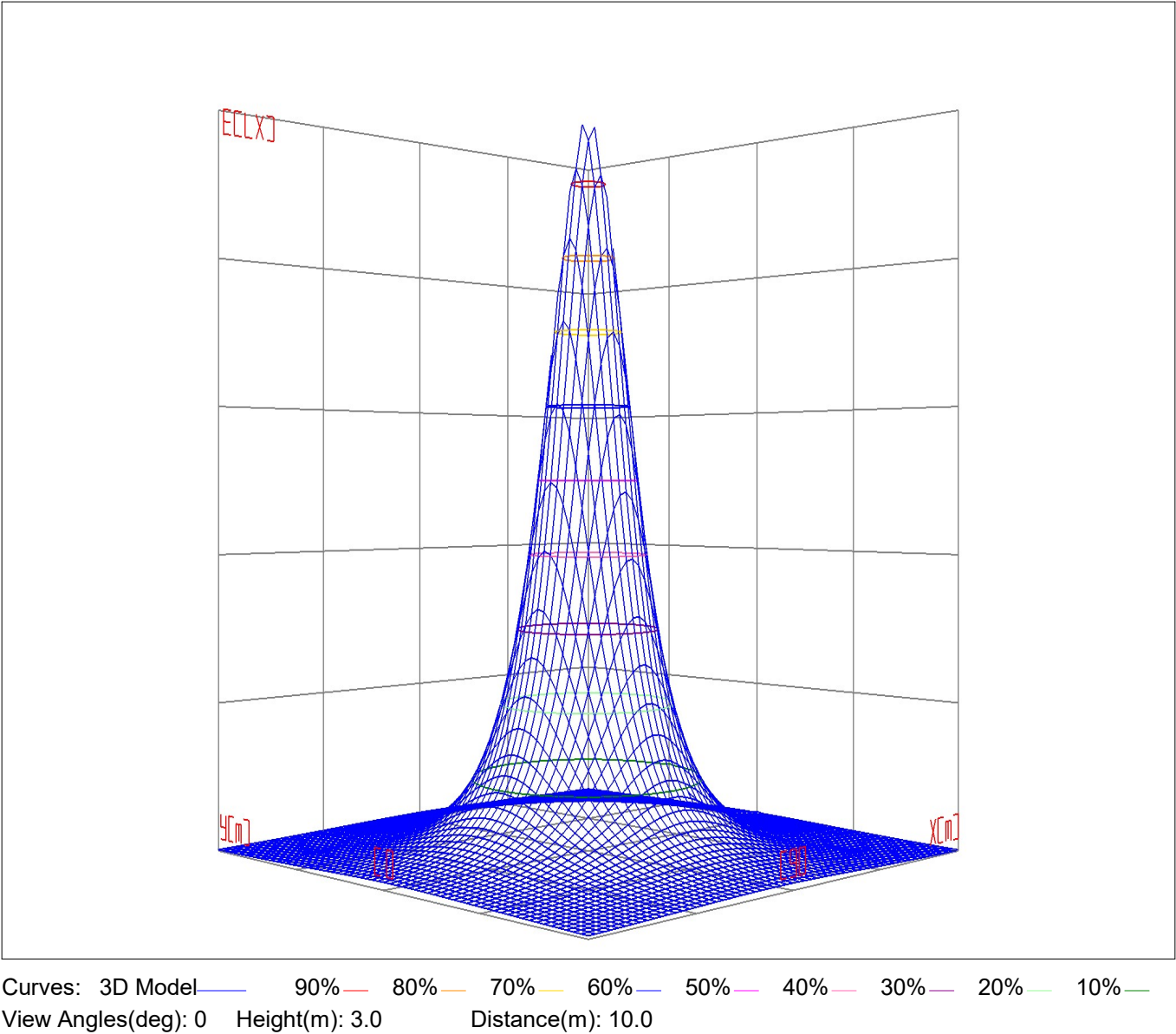


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 128.46  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

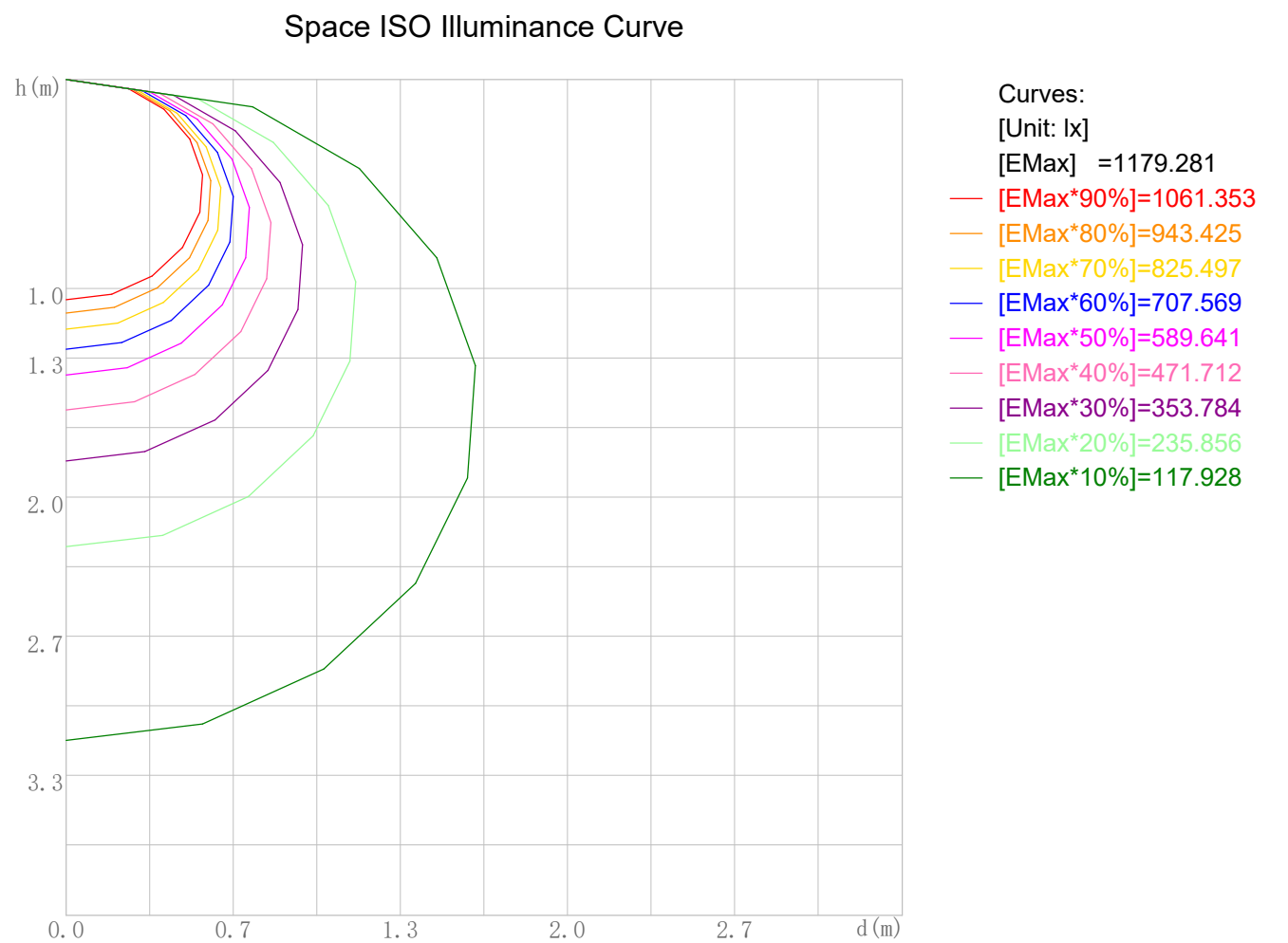
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29

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: 2022/09/29

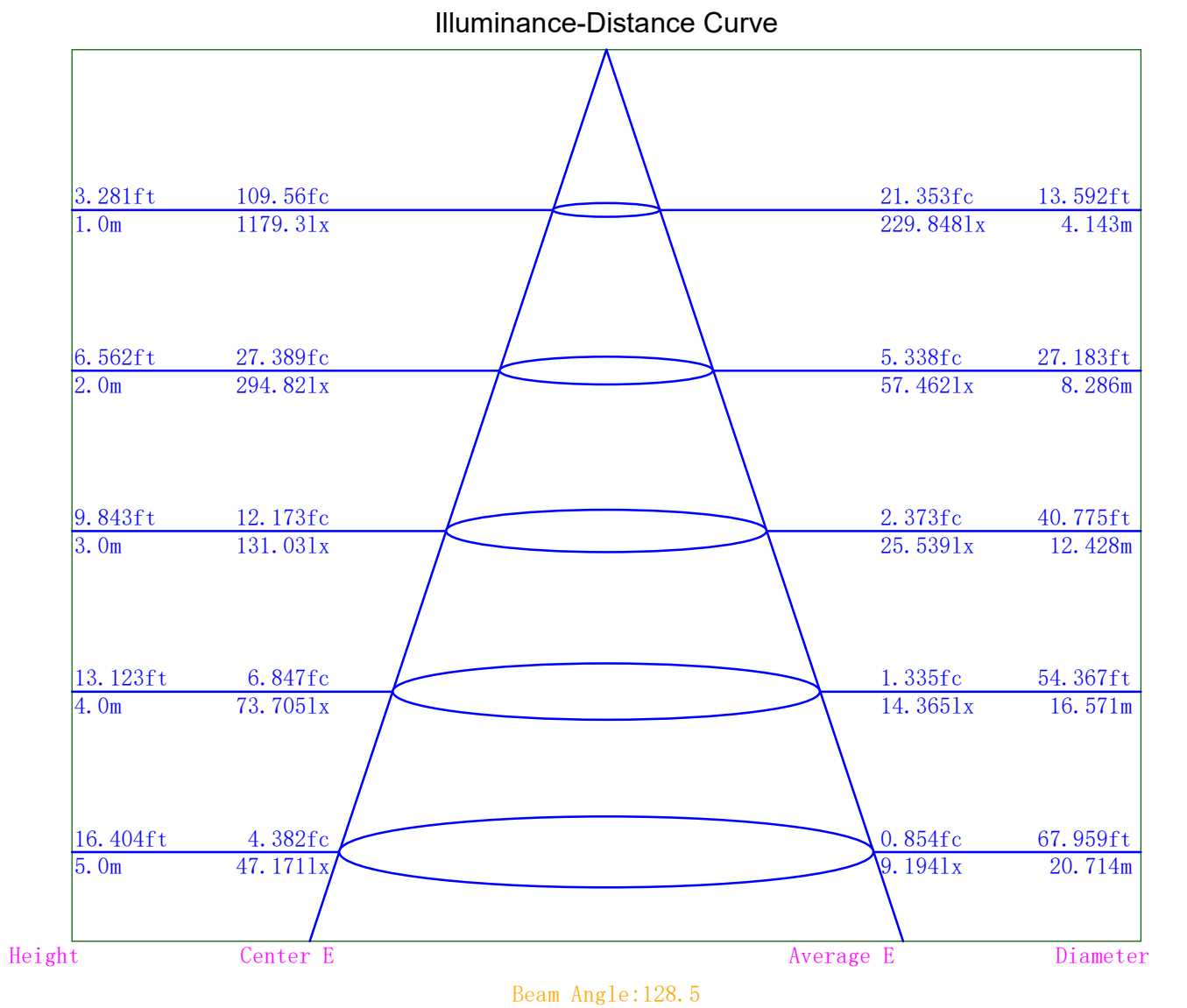


Space Plane Maximum Illuminance and @Angle:1179.28lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:1179.281cd,0deg



Illuminance-Distance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29

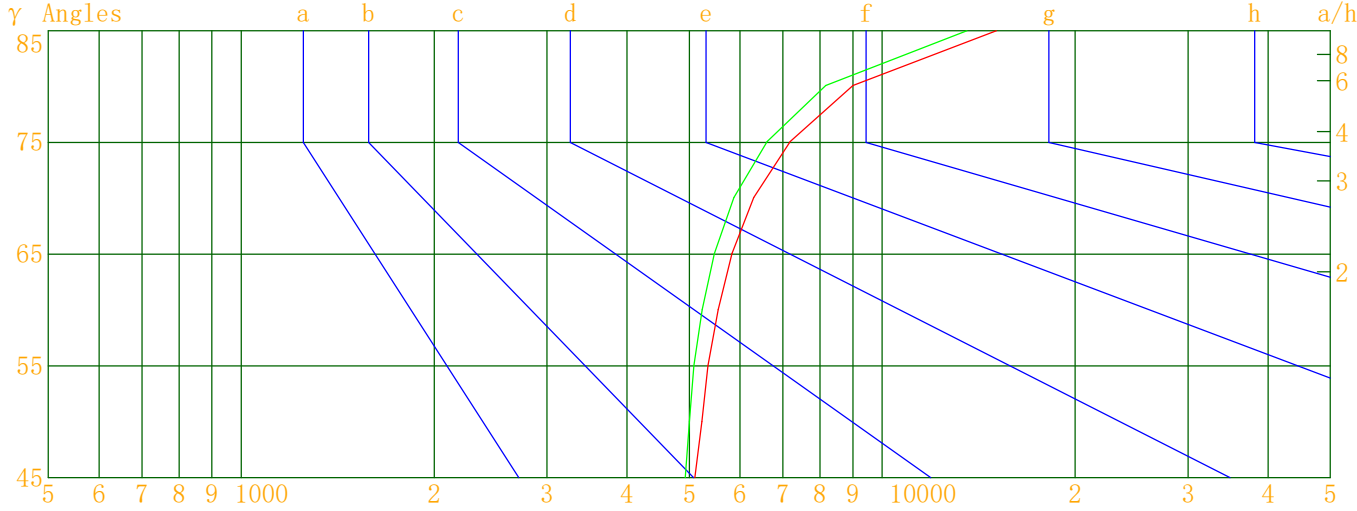
Glare Grade Table

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	5103	5234	5351	5547	5832	6302	7183	9001	15070
C90	4928	5001	5087	5241	5475	5868	6616	8164	13564

Luminance Limiting Curve



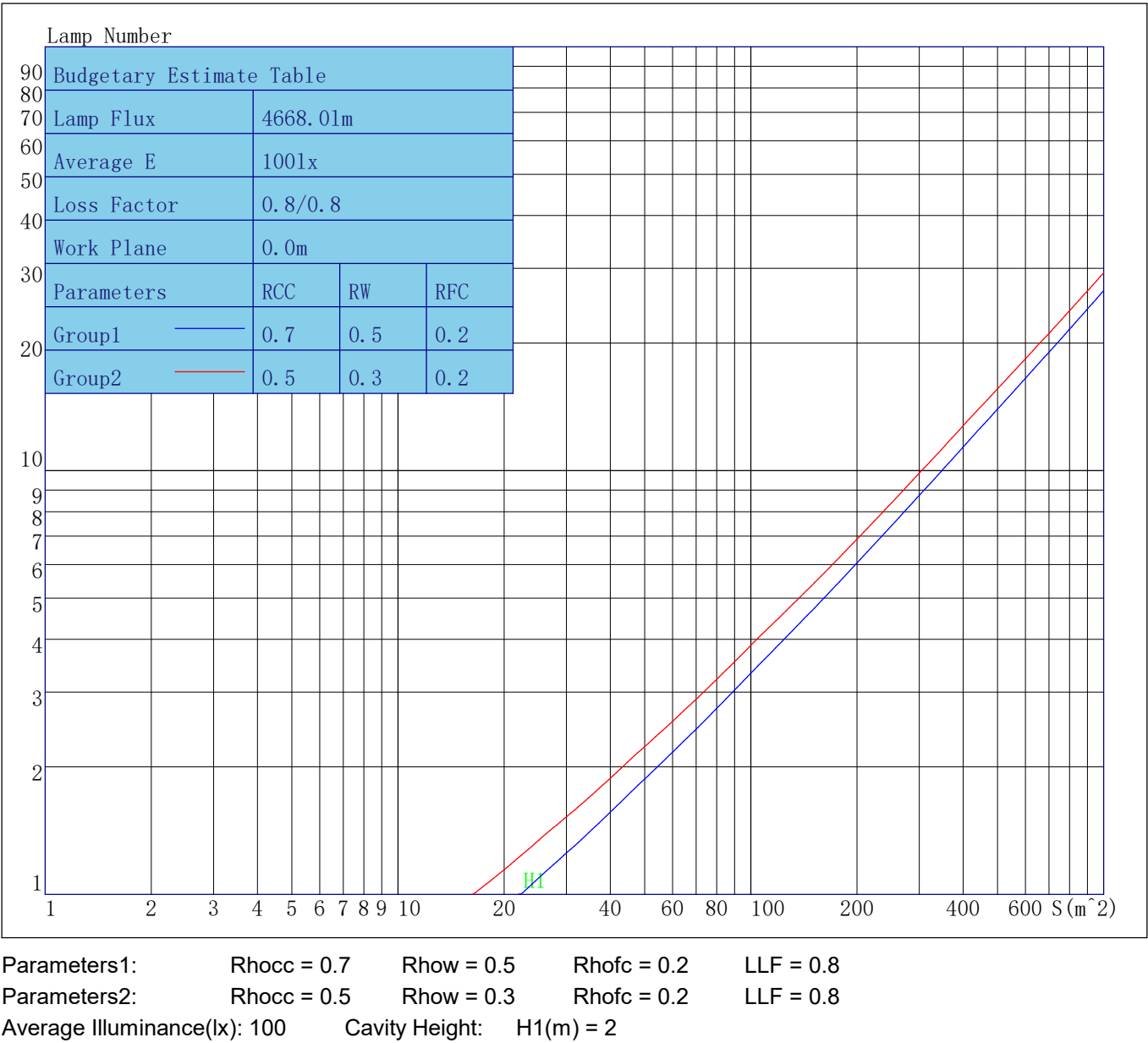
Luminous Size:    Length(m)=1.820    Width(m)=0.063    Height(m)=0.073    Area(m^2)=0.247520

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: 2022/09/29



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29

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	90	90	90	90	84	84	84	79	79	79	74	74	74	71
1	83	79	75	71	80	76	72	69	71	68	65	66	64	61	62	60	58	56
2	75	68	61	56	72	65	60	55	61	56	52	57	53	50	53	50	47	45
3	68	59	52	46	65	57	50	45	53	47	43	50	45	41	46	42	39	37
4	62	52	44	38	59	50	43	38	47	41	36	44	39	35	41	37	33	31
5	57	46	38	33	54	44	37	32	42	36	31	39	34	30	37	32	29	27
6	52	41	34	28	50	40	33	28	38	31	27	35	30	26	33	29	25	23
7	48	37	30	25	46	36	29	24	34	28	24	32	27	23	30	26	22	20
8	45	34	27	22	43	33	26	22	31	25	21	29	24	20	28	23	20	18
9	42	31	24	20	40	30	24	19	28	23	19	27	22	18	26	21	18	16
10	39	28	22	18	38	28	22	17	26	21	17	25	20	16	24	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: 2022/09/29

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	18.4	19.7	18.9	20.2	20.8	18.1	19.4	18.6	19.9	20.5
	20.7	21.9	21.2	22.4	23.0	20.3	21.5	20.8	22.0	22.7
	21.9	23.0	22.4	23.5	24.2	21.4	22.6	22.0	23.1	23.8
	23.1	24.1	23.7	24.7	25.4	22.7	23.7	23.2	24.2	24.9
	23.8	24.8	24.4	25.4	26.0	23.3	24.3	23.9	24.8	25.5
	24.6	25.5	25.2	26.1	26.8	24.0	24.9	24.7	25.5	26.2
X=4H    Y=2H	19.3	20.4	19.9	21.0	21.6	19.0	20.1	19.6	20.7	21.3
	21.8	22.7	22.4	23.3	24.0	21.4	22.3	22.0	22.9	23.6
	23.2	24.0	23.8	24.6	25.3	22.8	23.5	23.4	24.2	24.9
	24.6	25.3	25.3	25.9	26.6	24.2	24.8	24.8	25.4	26.2
	25.4	26.0	26.1	26.6	27.4	24.9	25.5	25.6	26.1	26.8
	26.3	26.8	27.0	27.5	28.2	25.8	26.3	26.4	26.9	27.7
X=8H    Y=4H	23.8	24.3	24.4	25.0	25.7	23.4	24.0	24.0	24.6	25.3
	25.5	25.9	26.2	26.6	27.3	25.0	25.4	25.7	26.1	26.9
	26.4	26.8	27.1	27.5	28.2	26.0	26.3	26.7	27.0	27.7
	27.6	27.8	28.3	28.5	29.3	27.1	27.3	27.8	28.0	28.8
X=12H    Y=4H	23.9	24.4	24.5	25.0	25.8	23.5	24.0	24.2	24.7	25.4
	25.7	26.0	26.4	26.7	27.5	25.3	25.6	26.0	26.3	27.1
	26.8	27.0	27.5	27.7	28.5	26.3	26.6	27.0	27.3	28.1
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.2/-0.3				
S=1.5H	0.2/-0.3					0.2/-0.4				
S=2.0H	0.2/-0.3					0.3/-0.3				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	5.1					5.0				

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

**Candela Tabulation**

V/H	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0
γ 0.0	1179.28	1179.28	1179.28	1179.28	1179.28	1179.28	1179.28	1179.28
γ 10.0	1174.99	1169.16	1167.98	1158.88	1167.09	1157.02	1157.10	1159.55
γ 20.0	1131.57	1130.05	1110.75	1087.63	1102.70	1106.40	1113.59	1109.97
γ 30.0	1056.33	1063.08	1030.29	1008.59	1012.70	1029.32	1020.58	1025.86
γ 40.0	953.50	970.94	929.23	873.61	903.62	930.20	915.45	905.22
γ 50.0	832.75	859.32	795.73	713.47	766.28	814.87	783.79	765.03
γ 60.0	686.55	734.89	648.60	534.47	622.27	687.59	638.77	584.16
γ 70.0	533.54	605.28	496.75	330.57	468.86	559.50	486.16	386.71
γ 80.0	386.86	478.33	350.92	135.05	330.40	438.25	342.74	184.78
γ 90.0	263.33	365.14	234.30	36.95	223.44	333.39	228.77	25.89
γ 100.0	175.40	269.79	154.23	32.43	151.58	247.59	153.03	26.44
γ 110.0	107.08	187.76	94.96	21.77	96.46	175.04	96.05	21.31
γ 120.0	73.66	131.25	62.50	15.54	66.05	124.37	69.89	17.07
γ 130.0	48.73	89.32	39.48	12.77	41.65	87.34	47.02	14.20
γ 140.0	32.75	57.22	27.16	10.18	29.96	58.49	32.70	11.77
γ 150.0	22.55	34.10	18.74	9.27	20.59	36.10	23.03	10.06
γ 160.0	15.76	20.41	13.26	9.45	14.10	21.24	15.19	10.39
γ 170.0	11.99	12.73	11.46	10.48	11.09	12.70	11.13	9.93
γ 180.0	10.24	10.24	10.24	10.24	10.24	10.24	10.24	10.24