

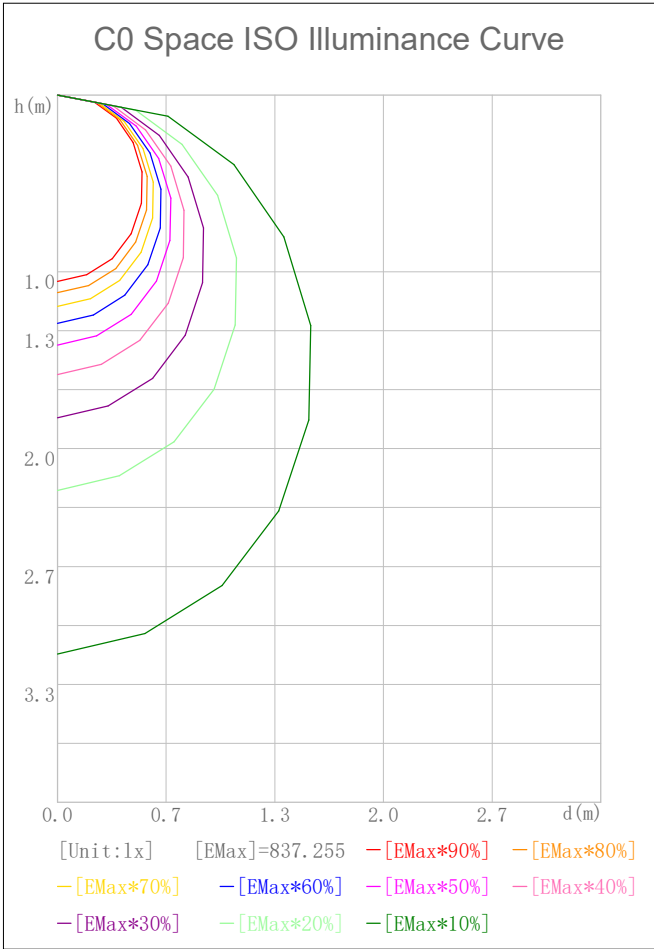
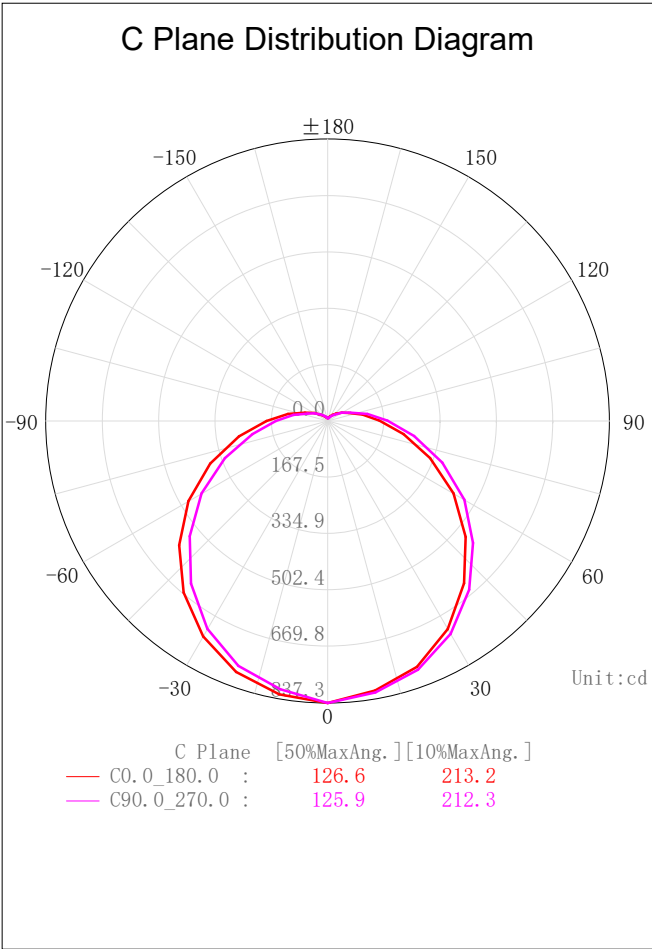
Indoor Luminaire Photometric Data

Description Information

Luminary Name:		Lum. Catelog:	Test ID:
Lamp Name:		Lamp Catelog:	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

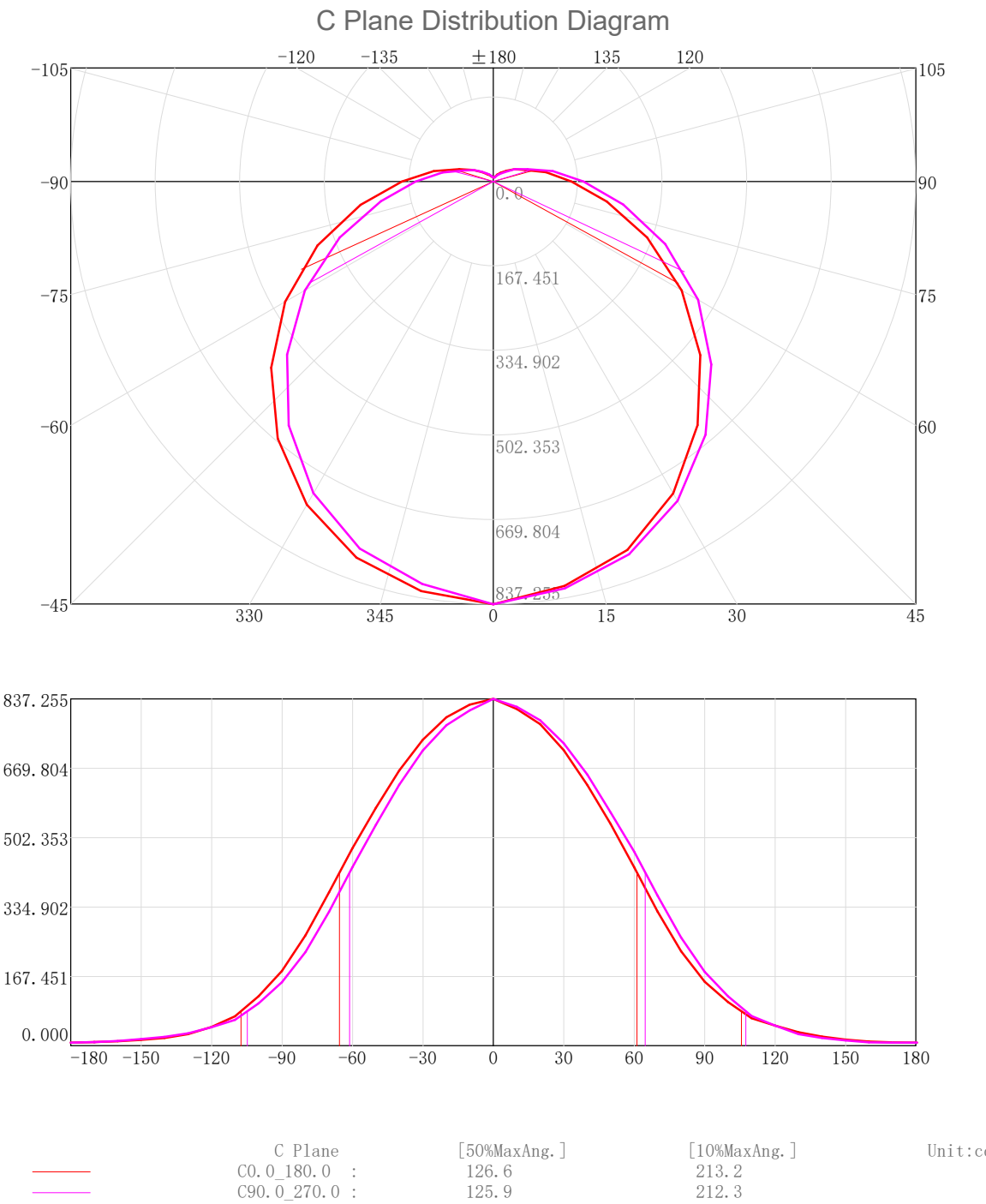
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 4100.000	Luminary Flux(lm): 3310.575	Field Angle(10%Imax): 213.2(°)	
Rated Power(W):	Luminary Efficiency: 80.75%	Down Lumens&Percent: 2930.562lm 88.52%	
Rated Voltage(V):	Luminary EER(lm/W): 128.416	Up Lumens&Percent: 380.014lm 11.48%	
Tested Power(W): 25.780	Max. Candela(cd): 837.255	S/MH: C0_a180=1.296 C90_270=1.288	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: General Diffuse	
Tested Electrics(V, A, pf):231.3, 0.118, 0.941		ErP Φuse(120°): 2011.642lm	
Lamp Size(W*L*H):0.063m*1.520m*0.073m	Left=-65.5° ,Right=61.2°	IRF(%): 104.444	



2D Plane Light Intensity Distribution Curve

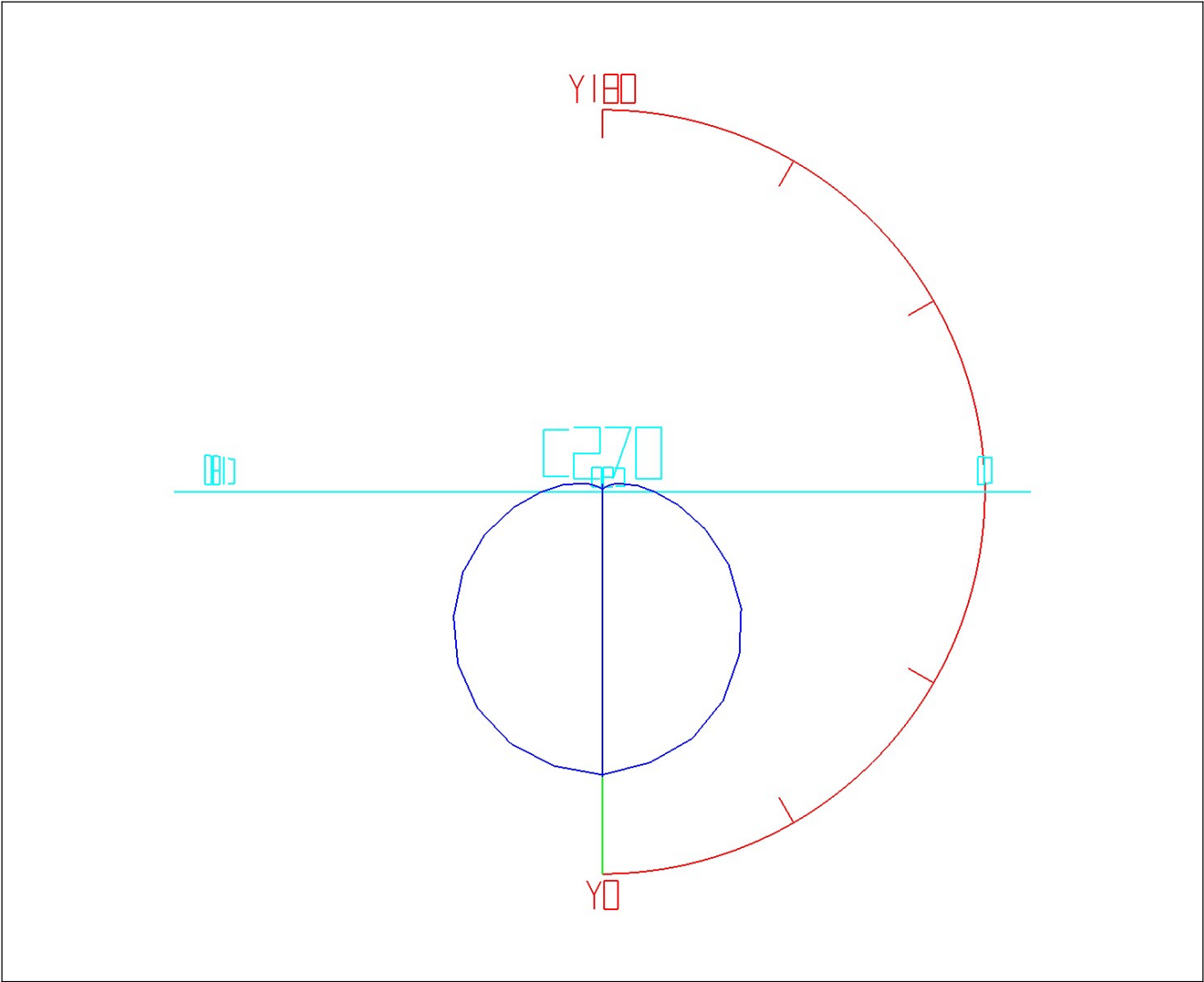
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



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 —

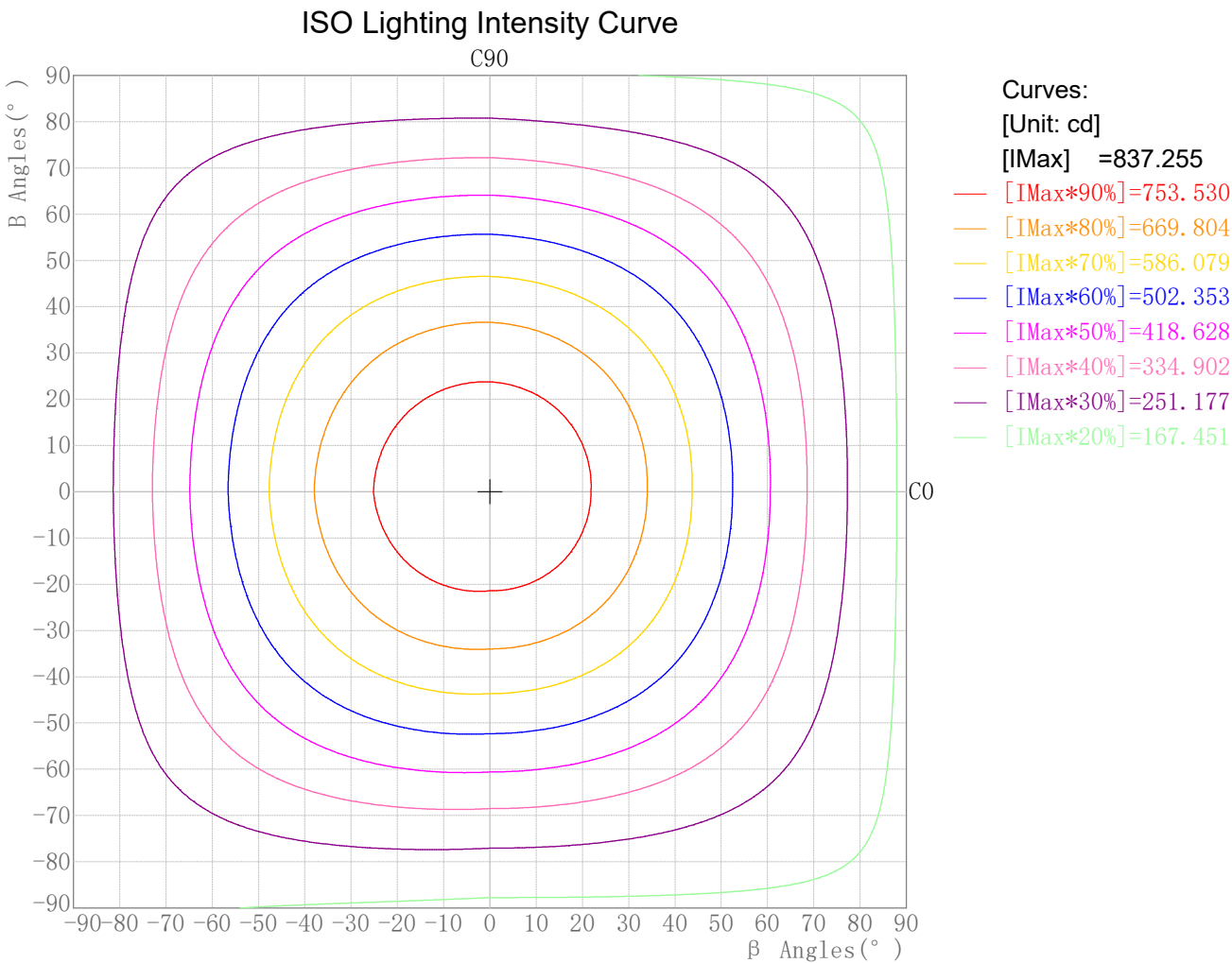
View Angles:Orient:0Tilt:0Roll:0Spin:0

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	78. 91	78. 91	1. 92	1. 92
10. 0-20. 0	226. 50	305. 40	5. 52	7. 45
20. 0-30. 0	348. 50	653. 90	8. 50	15. 95
30. 0-40. 0	429. 84	1083. 74	10. 48	26. 43
40. 0-50. 0	463. 24	1546. 98	11. 30	37. 73
50. 0-60. 0	450. 14	1997. 13	10. 98	48. 71
60. 0-70. 0	395. 63	2392. 76	9. 65	58. 36
70. 0-80. 0	312. 65	2705. 41	7. 63	65. 99
80. 0-90. 0	225. 15	2930. 56	5. 49	71. 48
90. 0-100. 0	152. 11	3082. 67	3. 71	75. 19
100. 0-110. 0	95. 37	3178. 04	2. 33	77. 51
110. 0-120. 0	57. 45	3235. 50	1. 40	78. 91
120. 0-130. 0	34. 85	3270. 35	0. 85	79. 76
130. 0-140. 0	19. 71	3290. 06	0. 48	80. 25
140. 0-150. 0	11. 11	3301. 16	0. 27	80. 52
150. 0-160. 0	5. 87	3307. 03	0. 14	80. 66
160. 0-170. 0	2. 74	3309. 77	0. 07	80. 73
170. 0-180. 0	0. 80	3310. 58	0. 02	80. 75

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



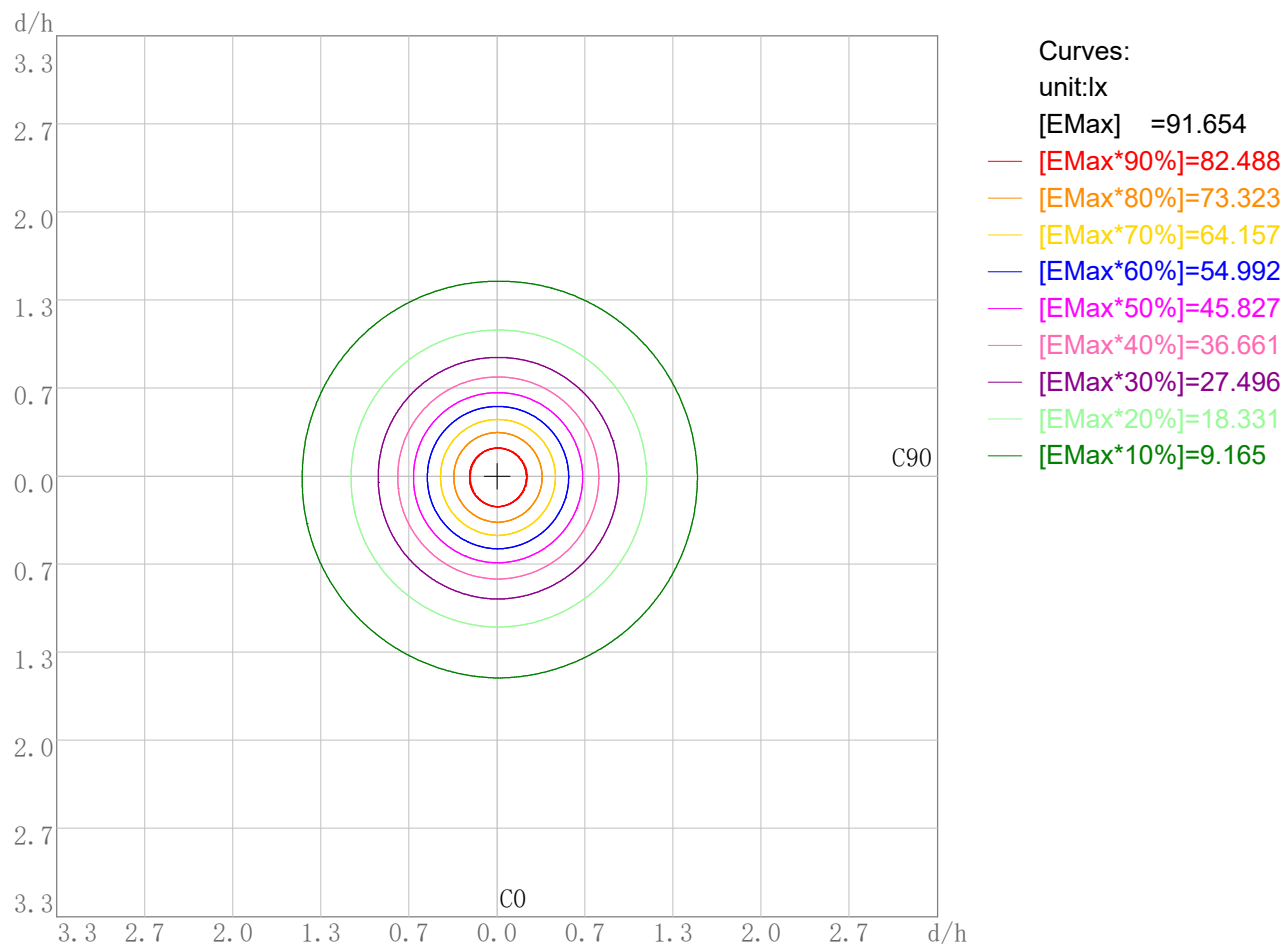
Maximum Light Intensity(cd): 837.26

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

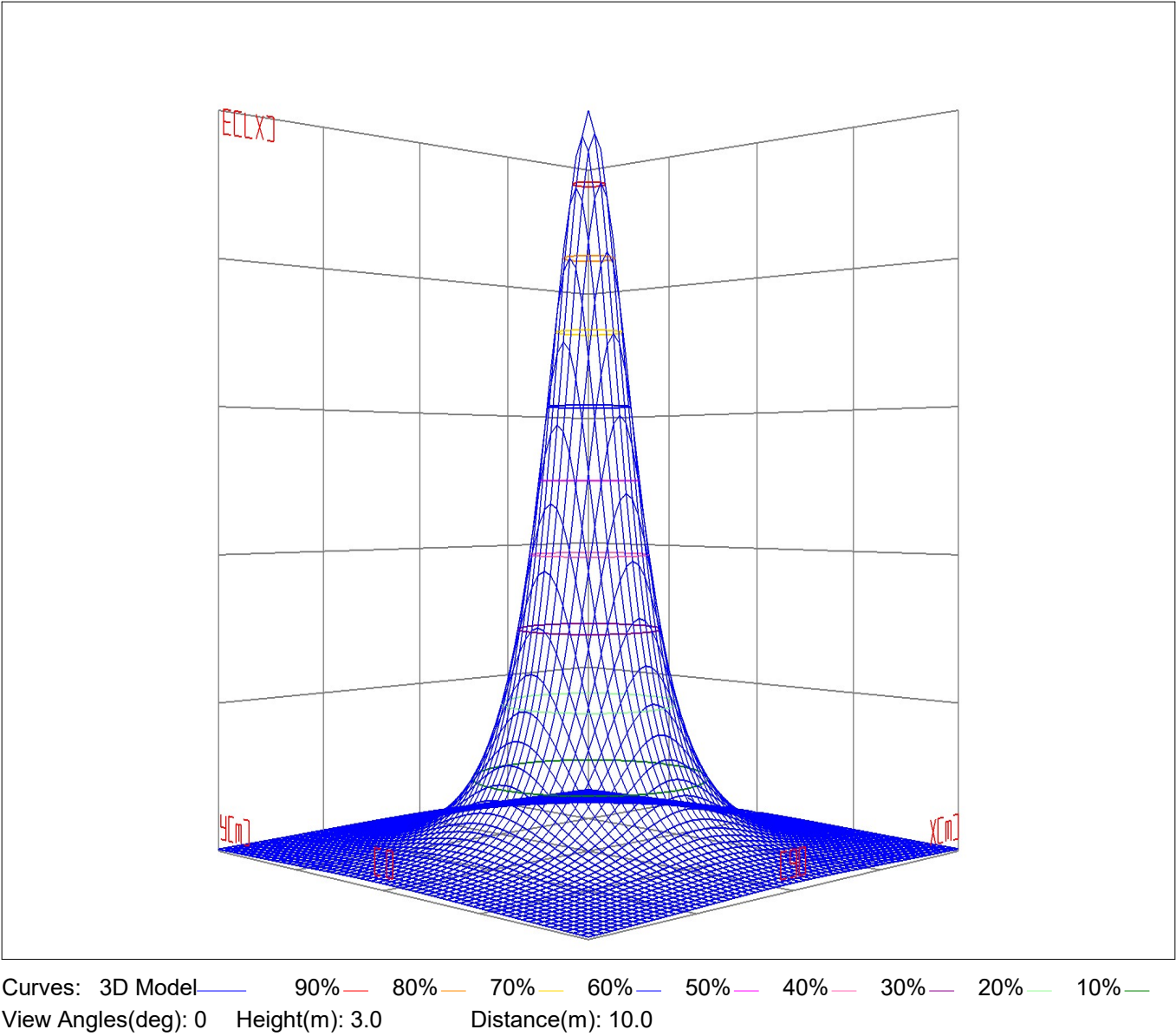


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 91.65
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

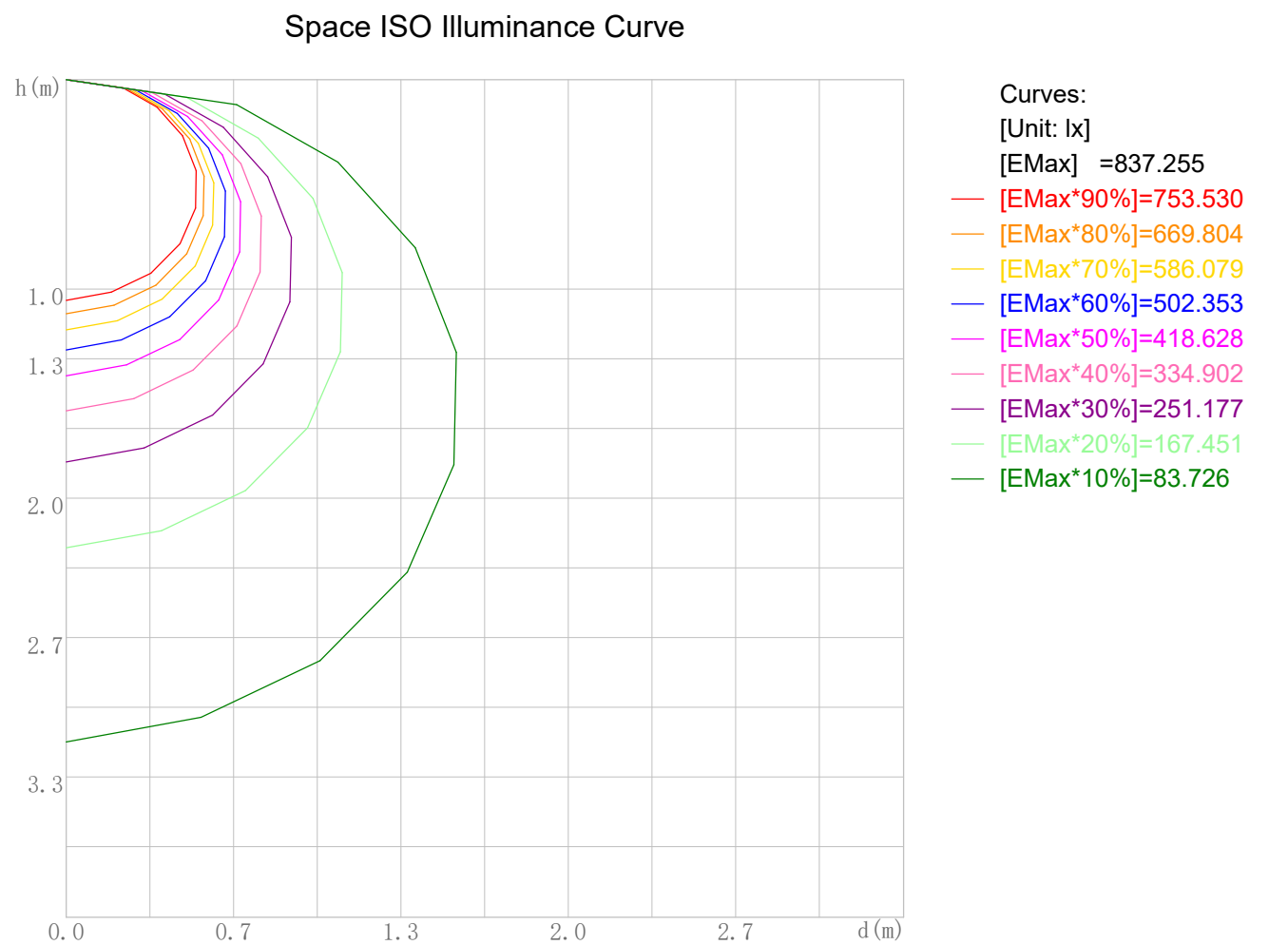
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27

3D Plane Illuminance Modal



Space ISO Illuminance Diagram

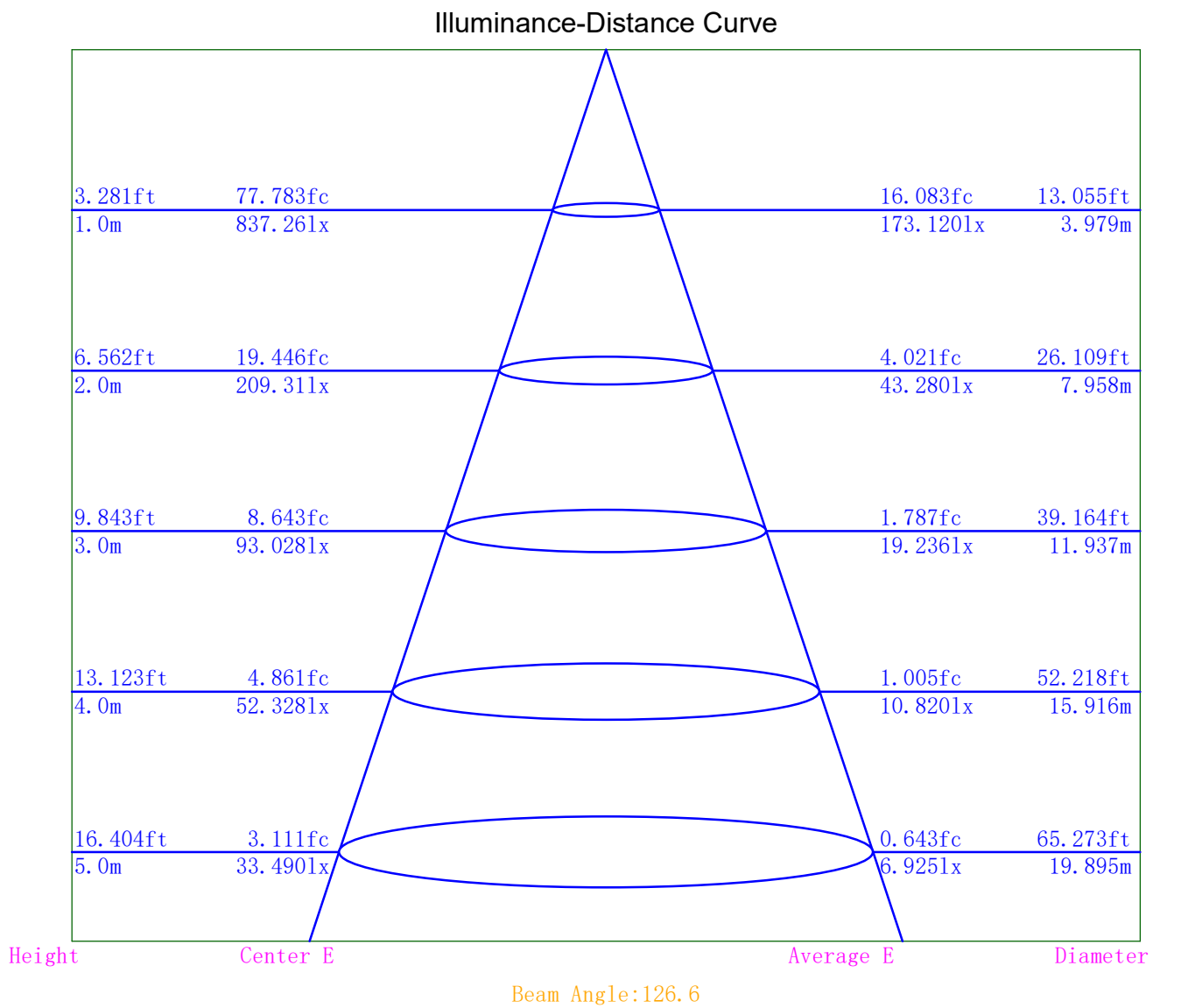
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



Space Plane Maximum Illuminance and @Angle:837.26lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:837.255cd,0deg

Illuminance-Distance Diagram

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



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

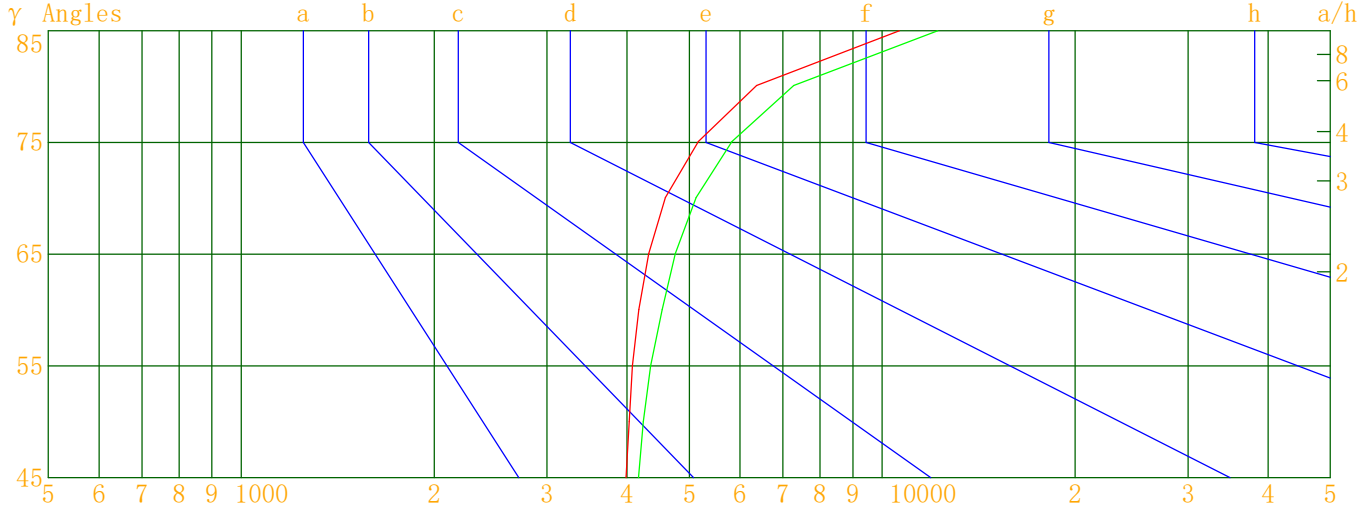
Glare Grade Table

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	3985	4028	4075	4172	4324	4587	5167	6369	10636
C90	4166	4241	4353	4535	4757	5126	5829	7280	12206

Luminance Limiting Curve



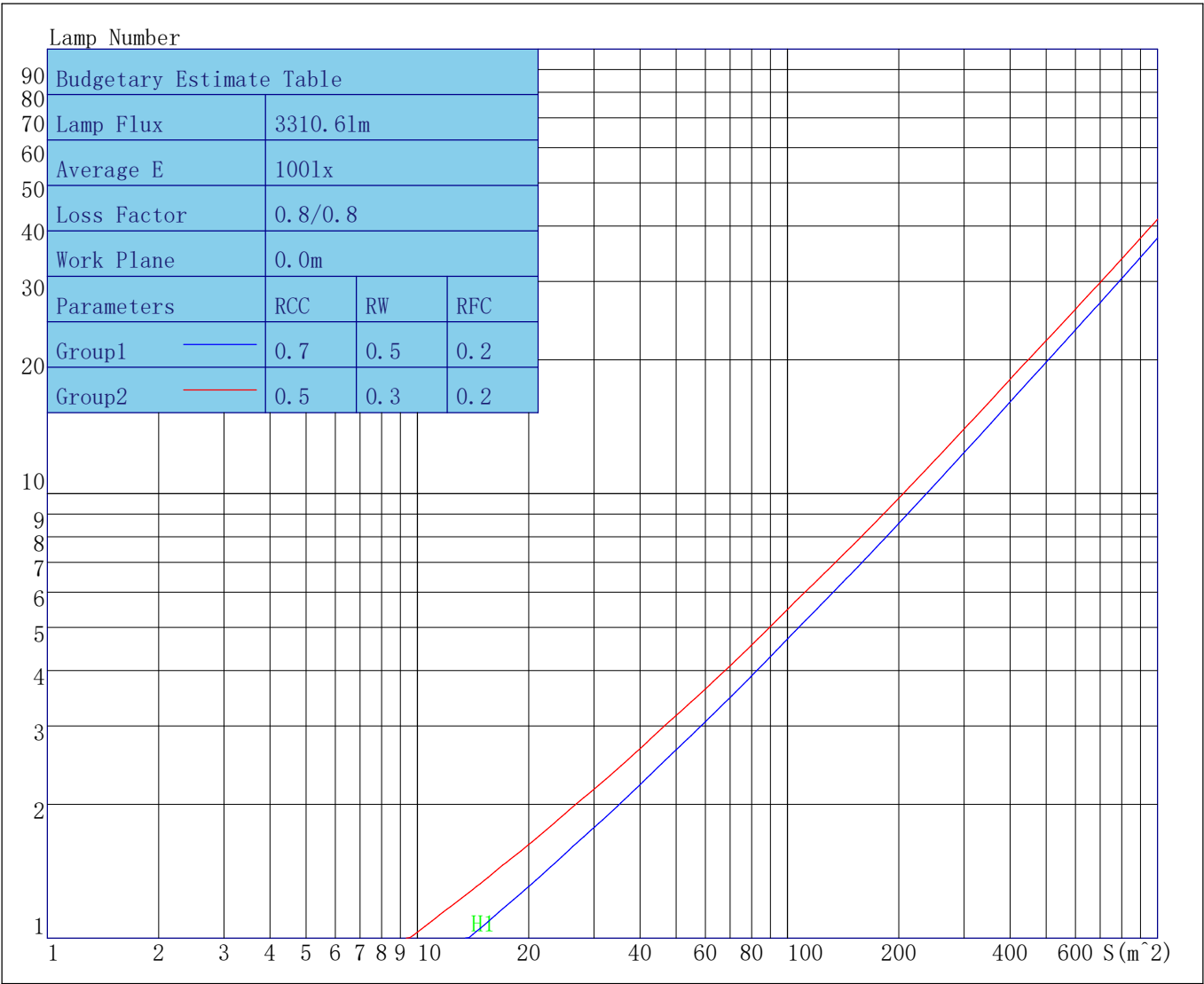
Luminous Size: Length(m)=1.520 Width(m)=0.063 Height(m)=0.073 Area(m^2)=0.206720

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



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	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		
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR	Coefficient of Utilization(%)																
0	94	94	94	94	91	91	91	91	85	85	85	79	79	79	74	74	74
1	84	79	75	71	80	76	72	69	71	68	65	66	64	61	62	60	58
2	75	68	61	56	72	65	59	55	61	56	52	57	53	49	53	50	47
3	68	59	51	46	65	57	50	45	53	47	43	49	45	41	46	42	39
4	62	52	44	38	59	50	43	37	47	41	36	44	39	34	41	37	33
5	57	46	38	33	54	44	37	32	42	35	31	39	34	30	37	32	28
6	52	41	34	28	50	40	33	28	37	31	27	35	30	26	33	28	25
7	48	37	30	25	46	36	29	24	34	28	23	32	27	23	30	25	22
8	45	34	27	22	43	33	26	21	31	25	21	29	24	20	28	23	19
9	42	31	24	20	40	30	24	19	28	23	19	27	22	18	25	21	17
10	39	28	22	18	38	28	22	17	26	21	17	25	20	16	24	19	16

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	17.1	18.5	17.7	19.0	19.6	17.6	18.9	18.1	19.4	20.0
	19.3	20.5	19.9	21.1	21.7	19.9	21.1	20.4	21.6	22.2
	20.5	21.6	21.0	22.1	22.8	21.1	22.2	21.6	22.7	23.4
	21.6	22.7	22.2	23.2	23.9	22.3	23.3	22.9	23.9	24.6
	22.3	23.2	22.9	23.8	24.5	23.0	23.9	23.6	24.5	25.2
	23.0	23.9	23.6	24.5	25.2	23.8	24.7	24.4	25.3	26.0
X=4H Y=2H	18.1	19.2	18.7	19.8	20.4	18.5	19.6	19.1	20.2	20.8
	20.5	21.4	21.1	22.0	22.7	21.0	21.9	21.6	22.5	23.2
	21.8	22.6	22.4	23.2	23.9	22.4	23.2	23.0	23.8	24.5
	23.2	23.8	23.8	24.5	25.2	23.9	24.5	24.5	25.1	25.9
	23.9	24.5	24.6	25.2	25.9	24.6	25.2	25.3	25.9	26.6
	24.8	25.3	25.5	26.0	26.7	25.5	26.0	26.2	26.7	27.4
X=8H Y=4H	22.4	23.0	23.1	23.7	24.4	23.0	23.6	23.7	24.2	25.0
	24.1	24.5	24.8	25.2	26.0	24.7	25.1	25.4	25.8	26.6
	25.0	25.4	25.7	26.1	26.8	25.7	26.0	26.4	26.7	27.5
	26.1	26.4	26.8	27.0	27.9	26.8	27.1	27.5	27.8	28.6
X=12H Y=4H	22.6	23.1	23.3	23.7	24.5	23.1	23.6	23.8	24.3	25.0
	24.3	24.7	25.1	25.3	26.1	25.0	25.3	25.7	26.0	26.8
	25.4	25.6	26.1	26.3	27.2	26.1	26.3	26.8	27.0	27.8
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	0.2/-0.2					0.1/-0.2				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	5.0					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	837. 26	837. 26	837. 26	837. 26
γ 10. 0	812. 97	818. 12	823. 67	809. 14
γ 20. 0	776. 62	785. 67	792. 58	773. 40
γ 30. 0	713. 27	730. 17	738. 89	712. 77
γ 40. 0	629. 59	654. 30	664. 76	630. 21
γ 50. 0	535. 27	563. 50	574. 22	533. 41
γ 60. 0	431. 17	468. 74	476. 47	431. 15
γ 70. 0	324. 33	362. 42	370. 43	323. 91
γ 80. 0	228. 62	261. 33	267. 01	226. 26
γ 90. 0	154. 64	178. 50	180. 94	153. 55
γ 100. 0	106. 04	119. 80	119. 52	102. 33
γ 110. 0	67. 00	72. 05	71. 54	62. 92
γ 120. 0	49. 13	49. 14	45. 96	45. 32
γ 130. 0	33. 37	28. 78	28. 72	30. 36
γ 140. 0	22. 66	18. 97	19. 19	21. 52
γ 150. 0	15. 37	12. 97	14. 50	16. 25
γ 160. 0	10. 44	8. 74	10. 97	12. 22
γ 170. 0	8. 31	8. 08	9. 05	9. 58
γ 180. 0	8. 03	8. 03	8. 03	8. 03