

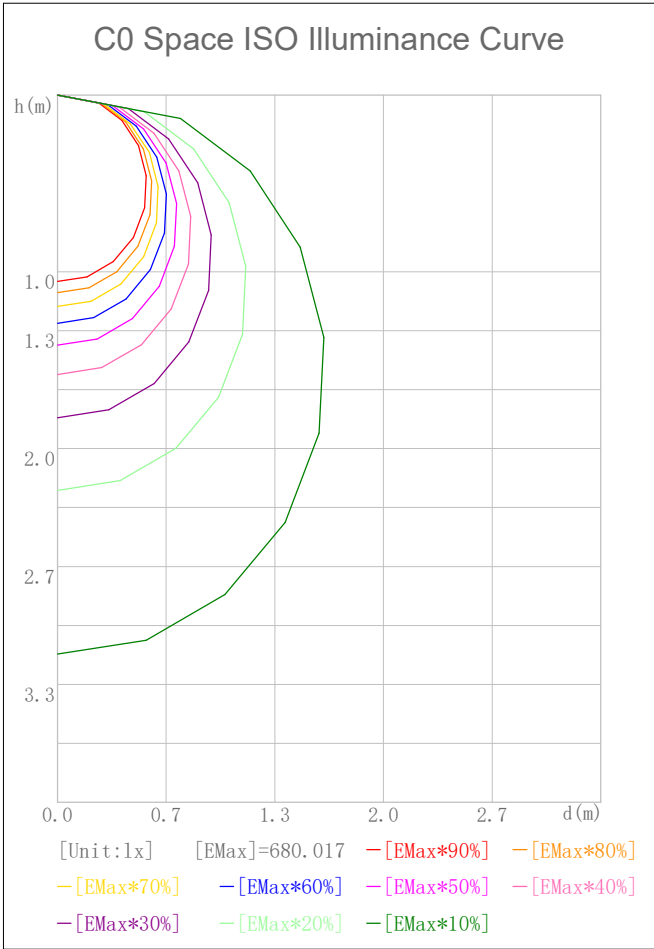
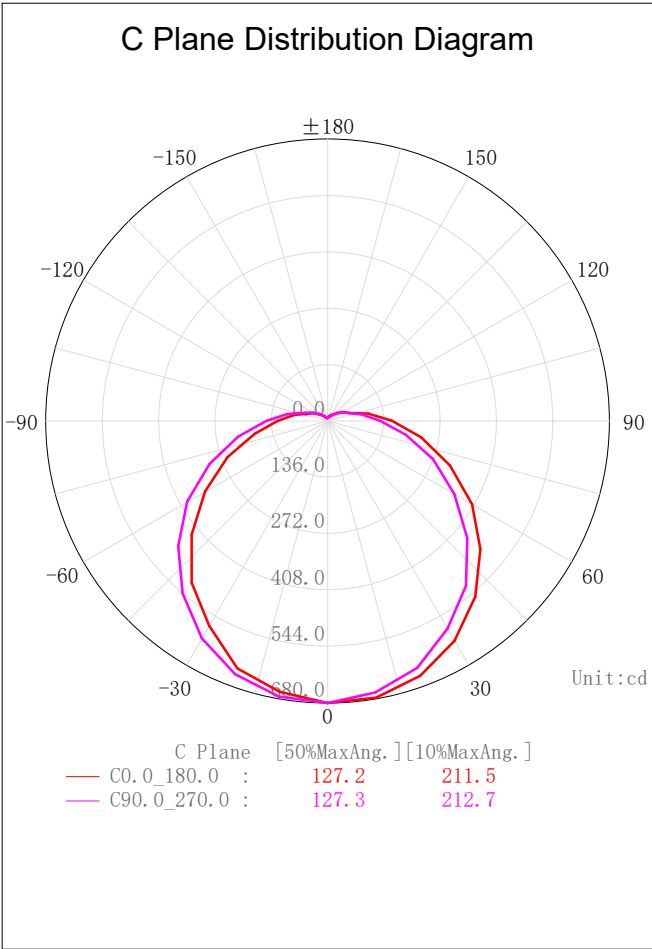
Indoor Luminaire Photometric Data

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*1.220m*0.073m	Lum. Area (m2):0.166	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=10.0	Temp. (°C): 25
		Humidity(%): 50.0

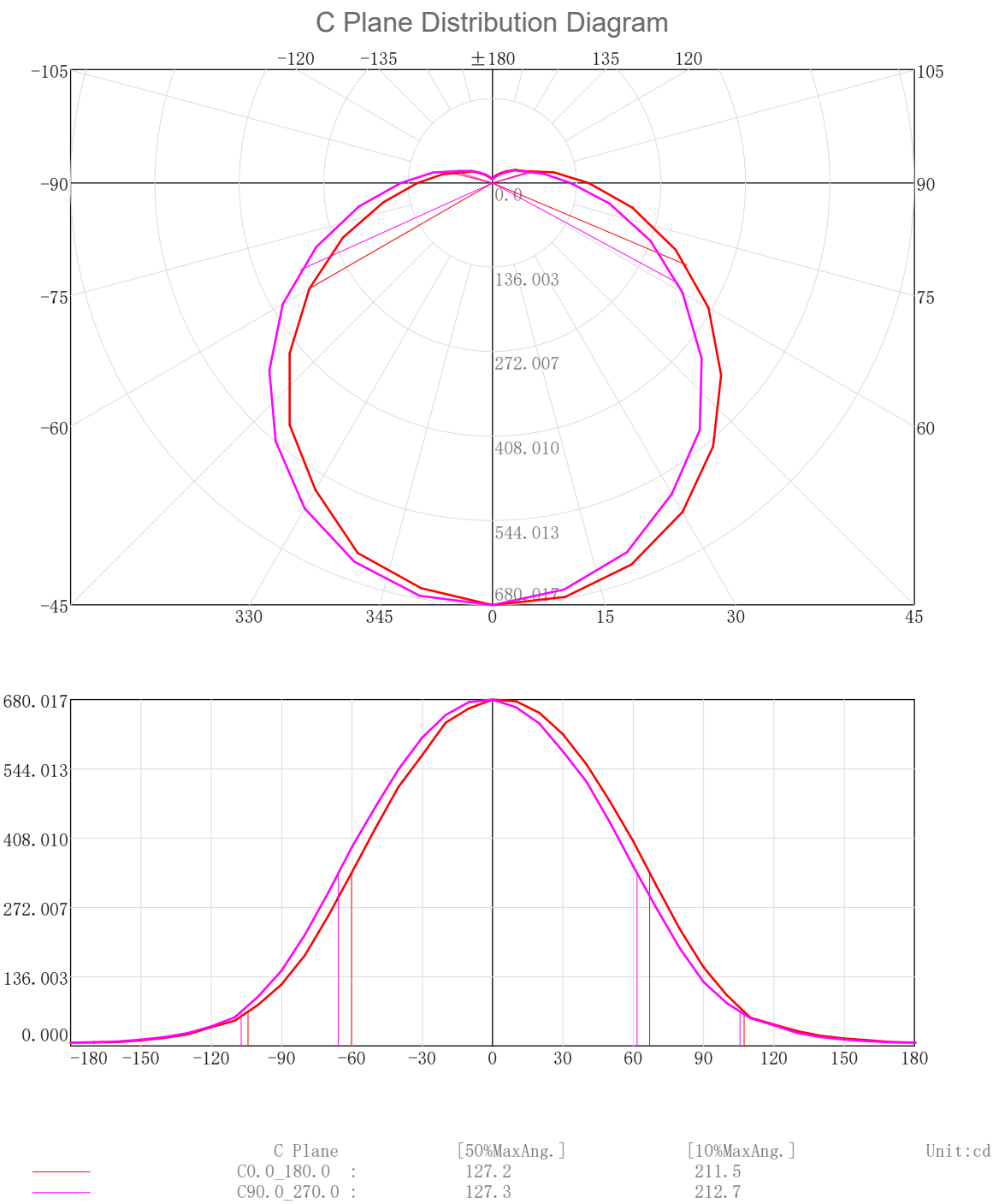
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 3400.000	Luminary Flux(lm): 2726.213	Field Angle(10%Imax): 211.5(°)
Rated Power(W):	Luminary Efficiency: 80.18%	Down Lumens&Percent: 2413.317lm 88.52%
Rated Voltage(V):	Luminary EER(lm/W): 138.527	Up Lumens&Percent: 312.896lm 11.48%
Tested Power(W): 19.680	Max. Candela(cd): 680.017	S/MH: C0_a180=1.300 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):231.2, 0.089, 0.955	Beam Angle(50%Imax): 127.2(°)	ErP Φuse(120°): 1623.058lm
Lamp Size(W*L*H):0.063m*1.220m*0.073m	Left=-60.1°, Right=67.1°	IRF(%): 100.139



2D Plane Light Intensity Distribution Curve

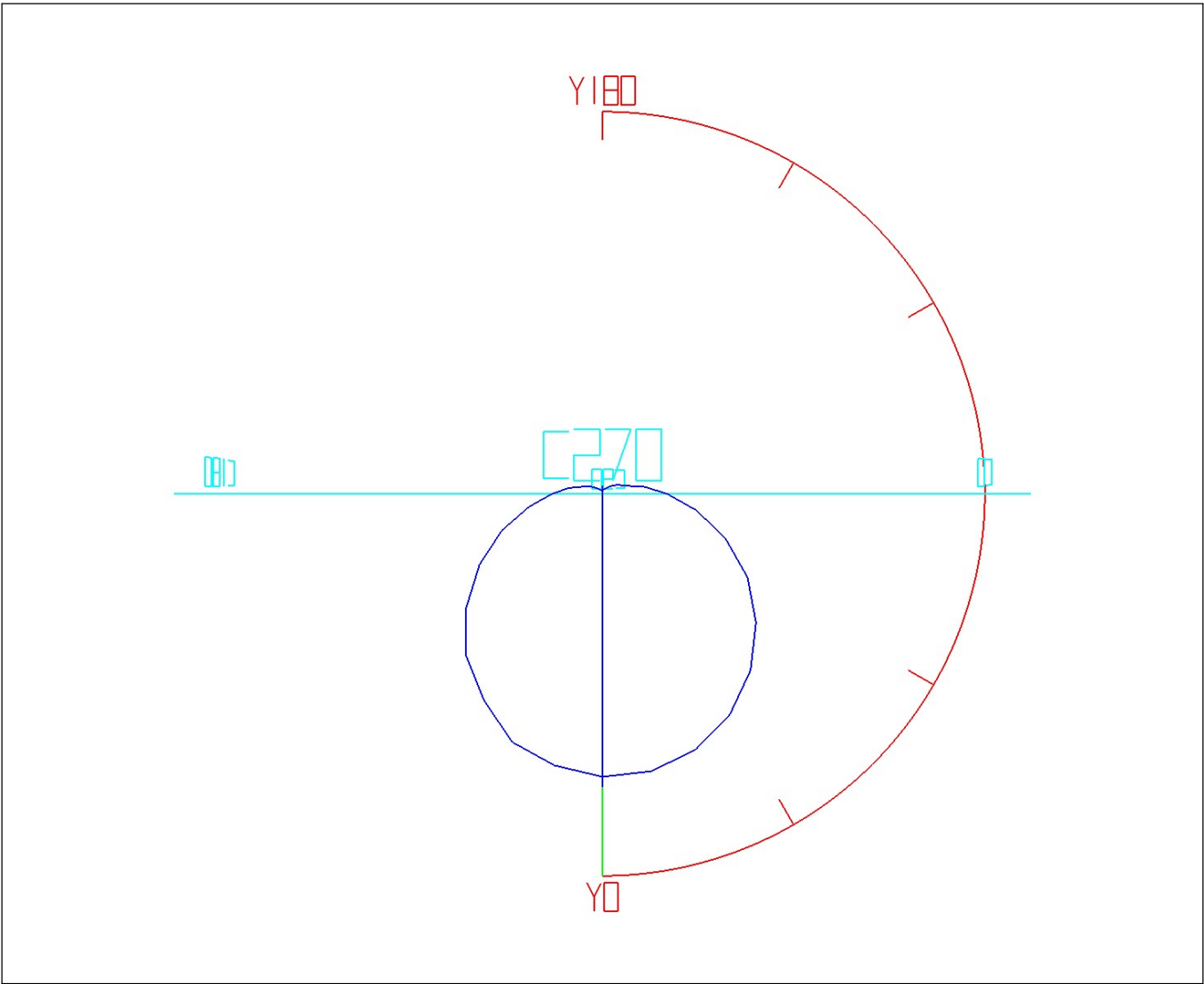
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



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 —

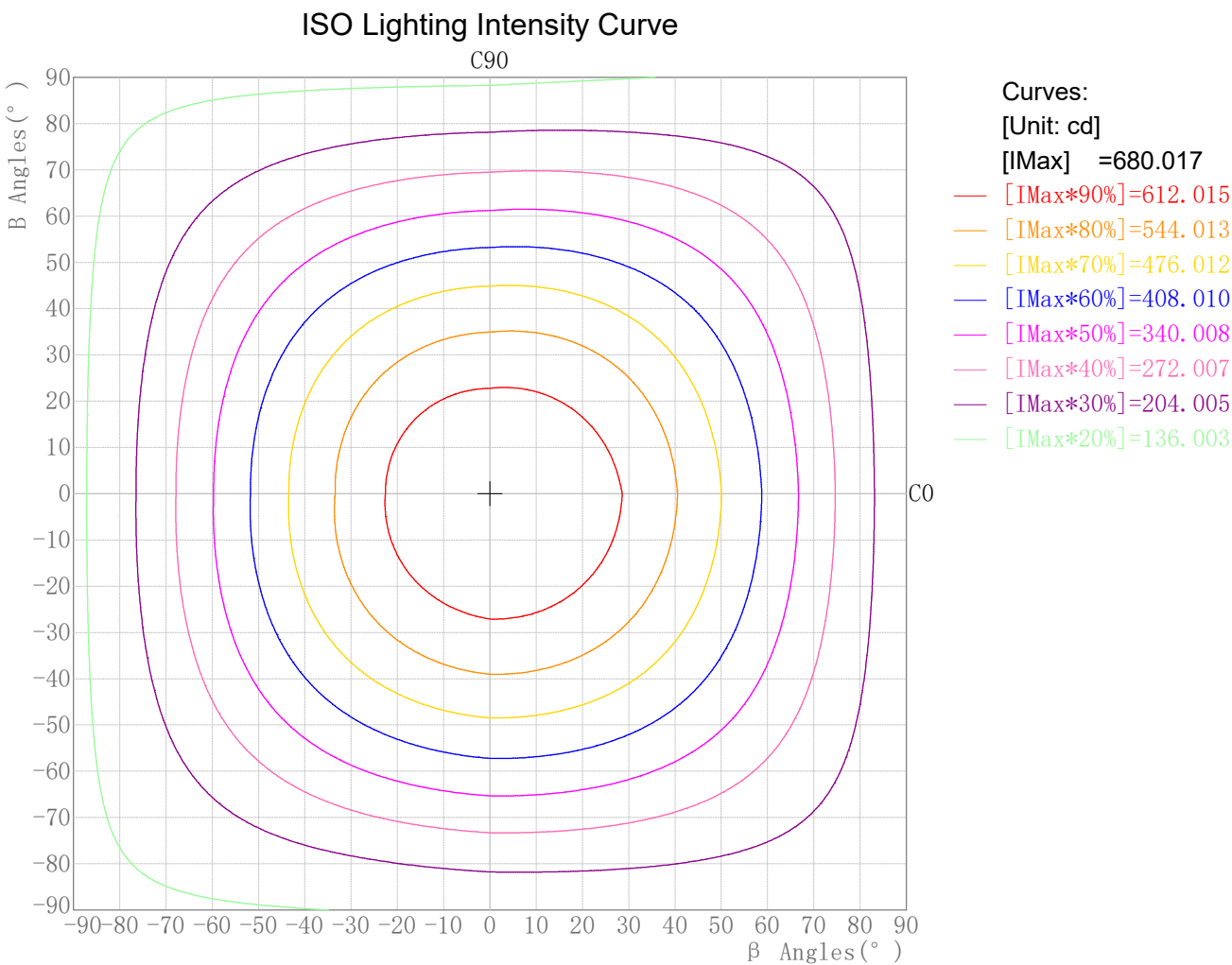
View Angles:Orient:0Tilt:0Roll:0Spin:0

Zonal Flux Tabulation

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	64. 43	64. 43	1. 89	1. 89
10. 0-20. 0	186. 07	250. 50	5. 47	7. 37
20. 0-30. 0	285. 72	536. 22	8. 40	15. 77
30. 0-40. 0	352. 72	888. 94	10. 37	26. 15
40. 0-50. 0	381. 68	1270. 62	11. 23	37. 37
50. 0-60. 0	370. 54	1641. 16	10. 90	48. 27
60. 0-70. 0	326. 36	1967. 51	9. 60	57. 87
70. 0-80. 0	259. 36	2226. 88	7. 63	65. 50
80. 0-90. 0	186. 44	2413. 32	5. 48	70. 98
90. 0-100. 0	124. 49	2537. 80	3. 66	74. 64
100. 0-110. 0	76. 77	2614. 58	2. 26	76. 90
110. 0-120. 0	46. 76	2661. 34	1. 38	78. 27
120. 0-130. 0	29. 62	2690. 95	0. 87	79. 15
130. 0-140. 0	17. 09	2708. 04	0. 50	79. 65
140. 0-150. 0	9. 77	2717. 81	0. 29	79. 94
150. 0-160. 0	5. 26	2723. 08	0. 15	80. 09
160. 0-170. 0	2. 45	2725. 52	0. 07	80. 16
170. 0-180. 0	0. 69	2726. 21	0. 02	80. 18

Rectangle ISO Lighting Intensity Diagram

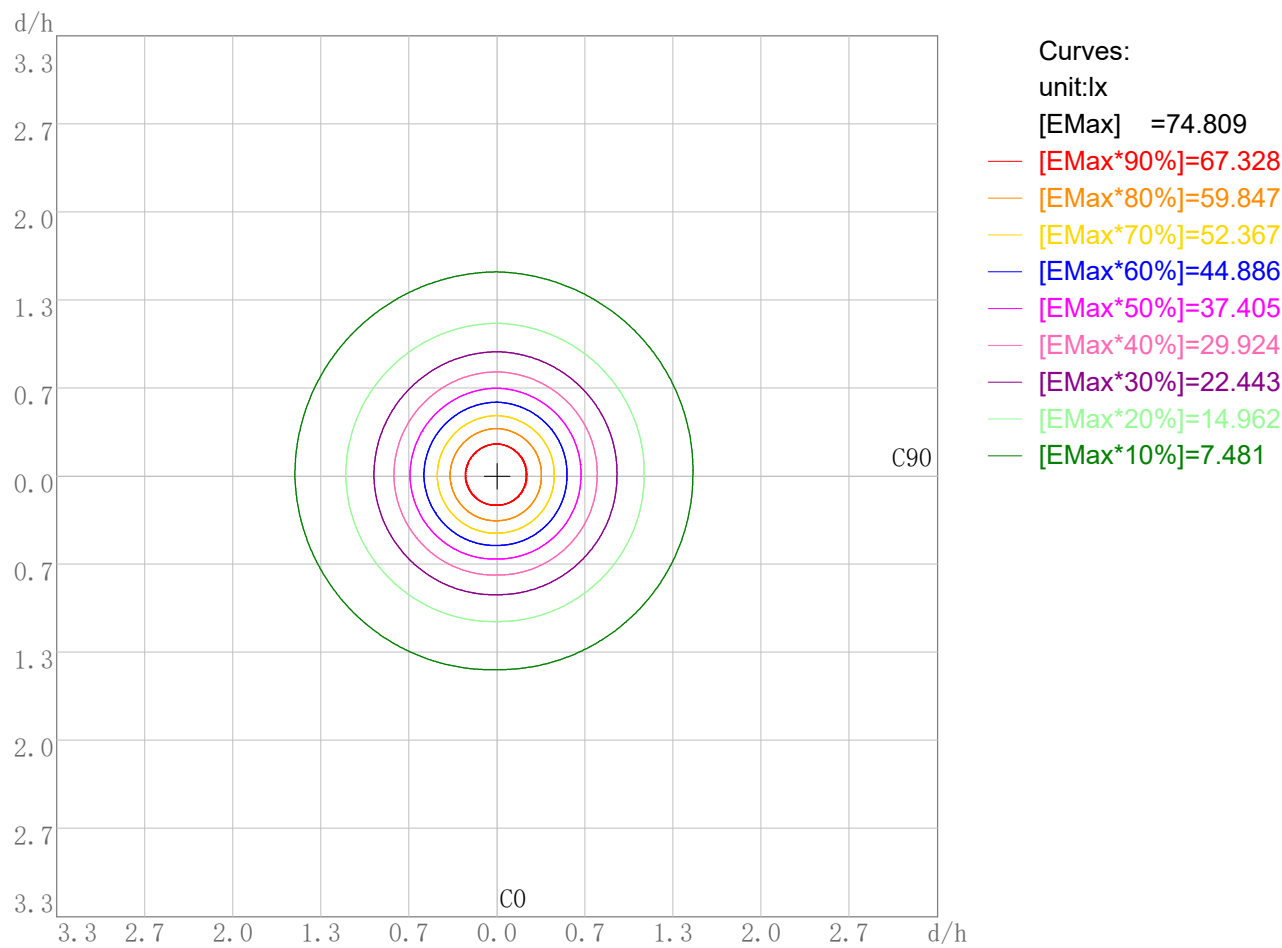
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



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

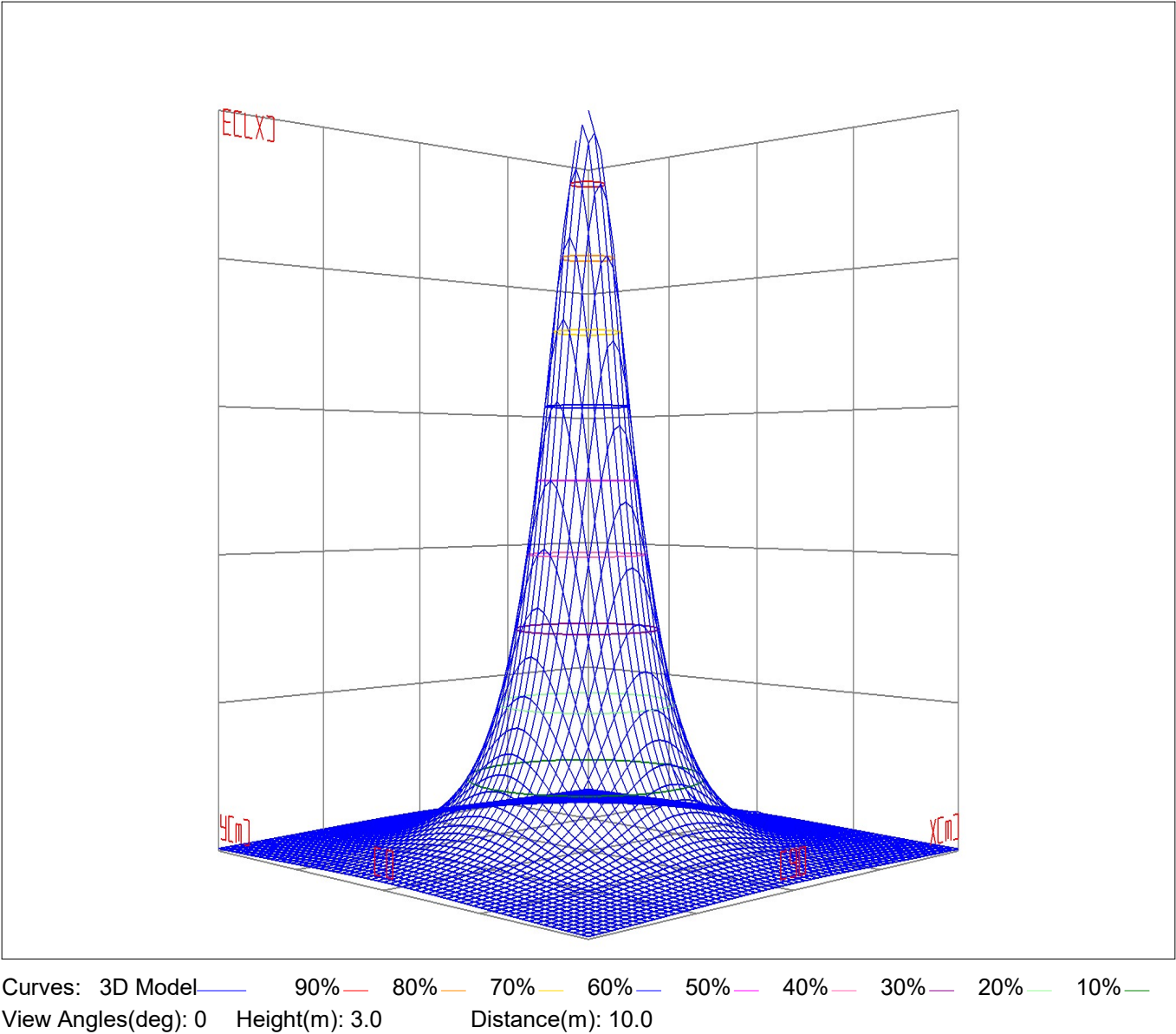


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 74.81  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

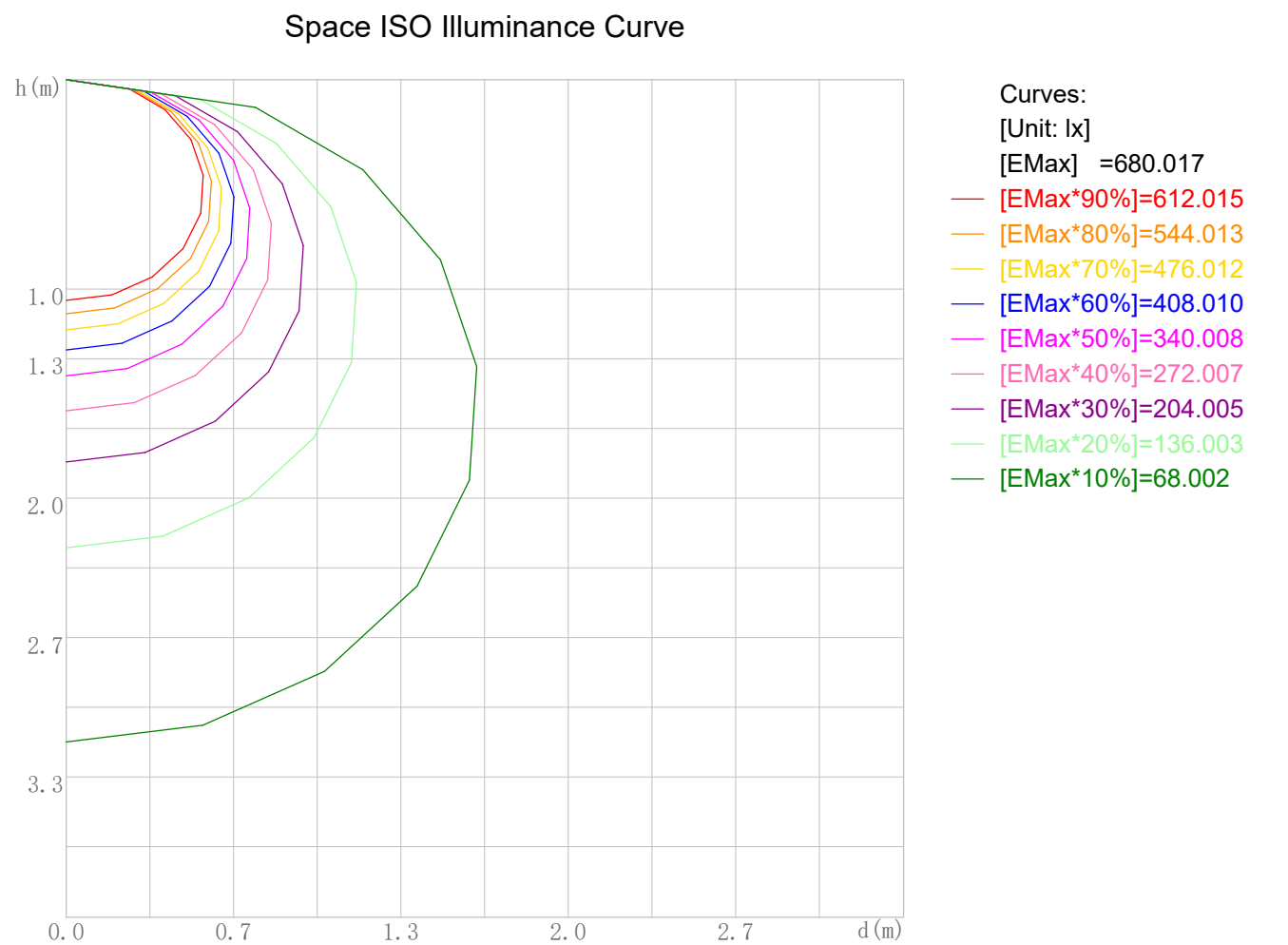
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27

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

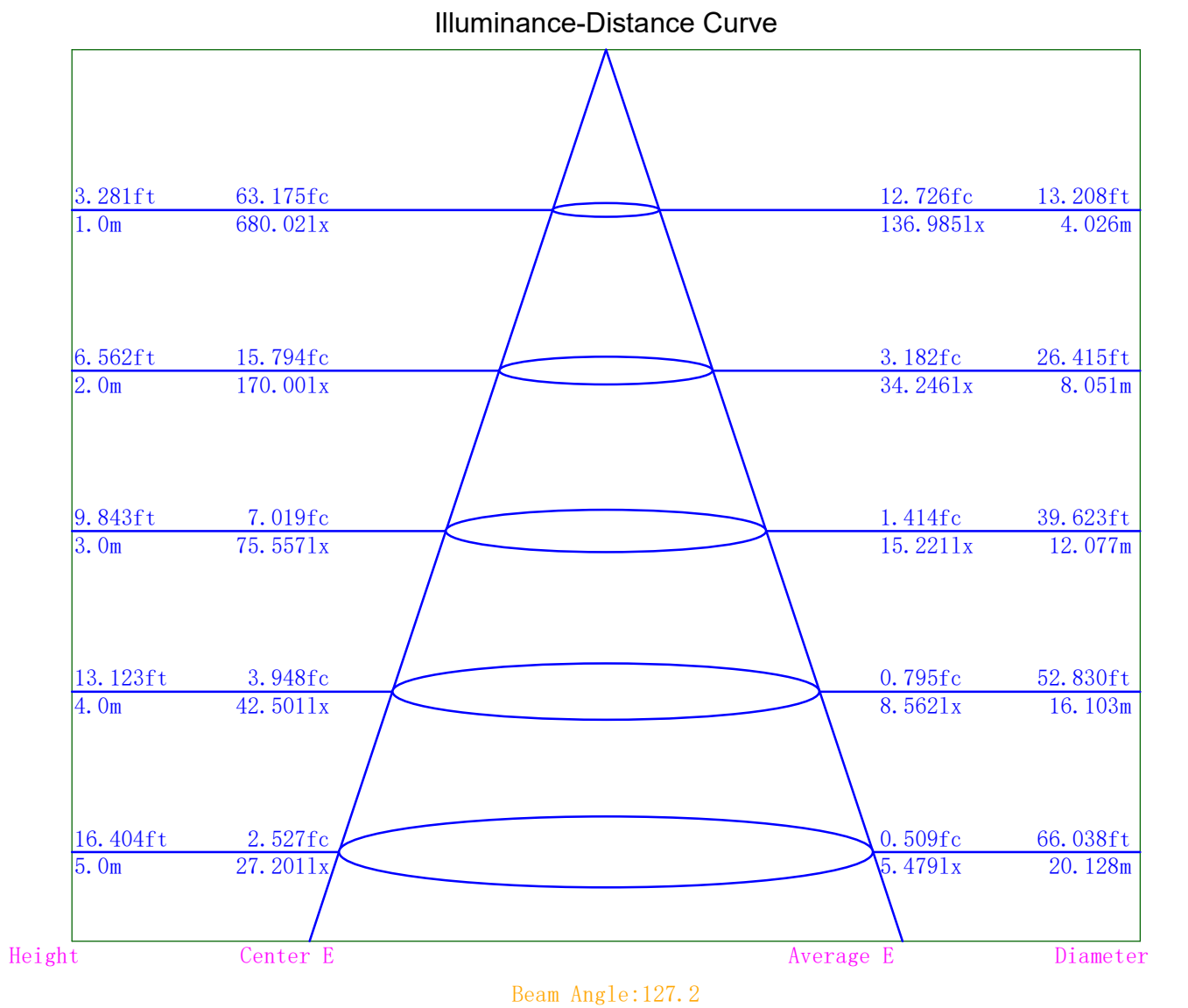


Space Plane Maximum Illuminance and @Angle:680.02lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:680.017cd,0deg



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

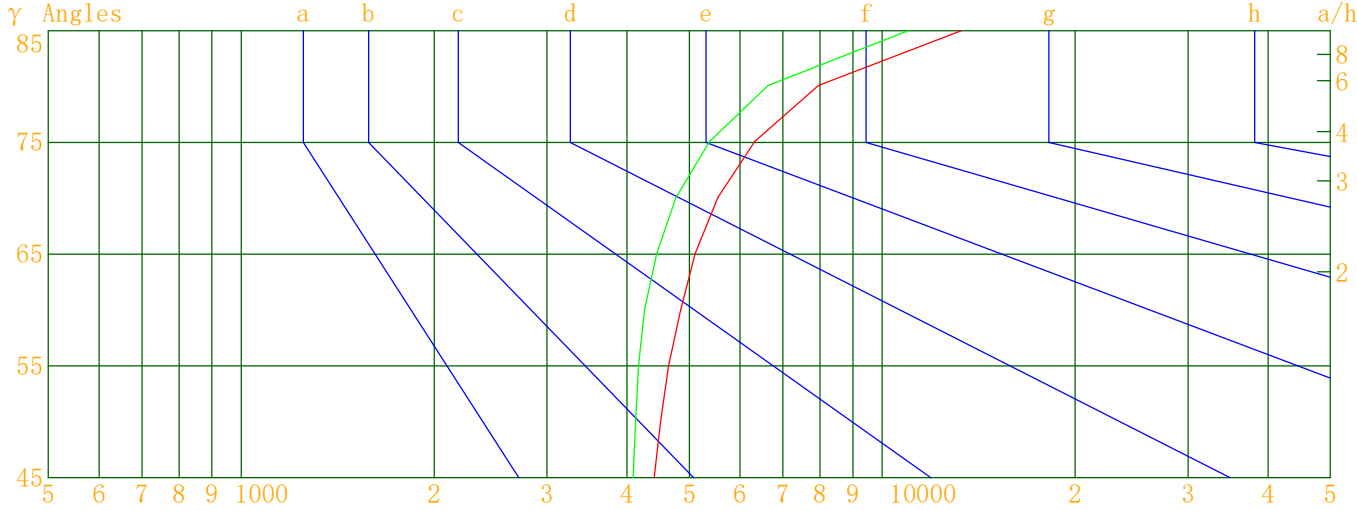
Glare Grade Table

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	4409	4512	4642	4849	5110	5539	6328	7953	13278
C90	4088	4124	4168	4260	4448	4765	5376	6640	10970

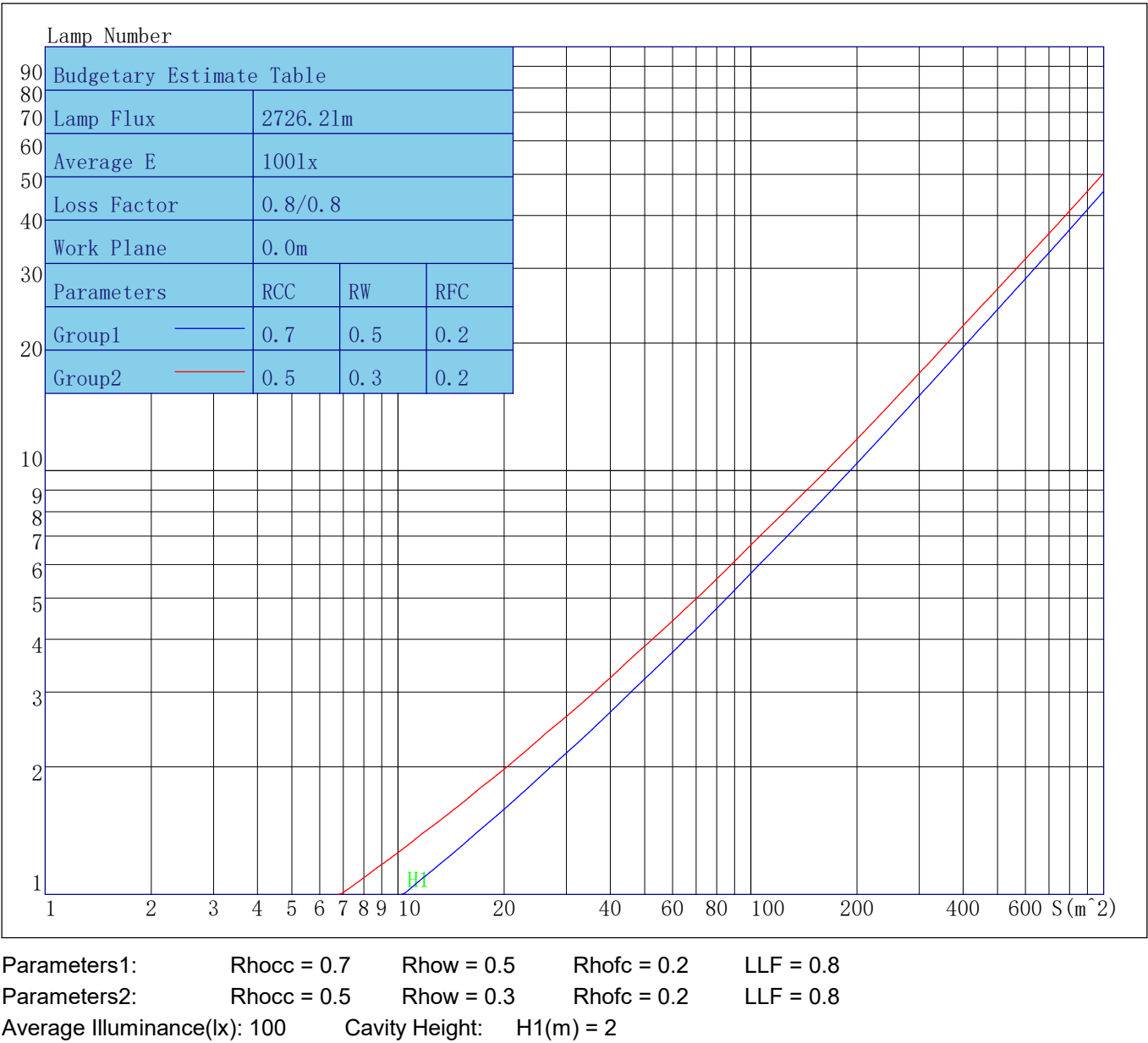
Luminance Limiting Curve



Luminous Size: Length(m)=1.220 Width(m)=0.063 Height(m)=0.073 Area(m^2)=0.165920  
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 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			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	72	68	70	67	64	66	63	61	61	59	57	55
2	75	67	61	56	72	65	59	54	60	56	51	56	52	49	52	49	46	44
3	68	58	51	45	65	56	50	44	52	47	42	49	44	40	46	42	39	36
4	62	51	44	38	59	50	43	37	46	40	36	43	38	34	40	36	33	30
5	56	46	38	32	54	44	37	32	41	35	30	39	33	29	36	32	28	26
6	52	41	33	28	50	40	32	27	37	31	26	35	30	25	33	28	25	23
7	48	37	30	24	46	36	29	24	34	28	23	32	26	22	30	25	22	20
8	45	34	26	22	43	33	26	21	31	25	21	29	24	20	27	23	19	18
9	42	31	24	19	40	30	23	19	28	22	18	27	22	18	25	21	17	16
10	39	28	22	17	38	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	17.9	19.2	18.4	19.8	20.3	17.2	18.6	17.8	19.1	19.7
	Y=3H	20.2	21.4	20.8	22.0	22.6	19.5	20.7	20.0	21.2	21.8
	Y=4H	21.4	22.6	22.0	23.1	23.8	20.6	21.7	21.2	22.3	22.9
	Y=6H	22.7	23.8	23.3	24.3	25.0	21.8	22.8	22.4	23.4	24.1
	Y=8H	23.4	24.4	24.0	25.0	25.7	22.4	23.4	23.0	24.0	24.7
	Y=12H	24.2	25.1	24.8	25.7	26.4	23.2	24.1	23.8	24.7	25.4
X=4H	Y=2H	18.8	19.9	19.4	20.5	21.1	18.2	19.3	18.8	19.9	20.5
	Y=3H	21.4	22.3	22.0	22.9	23.5	20.6	21.6	21.2	22.2	22.8
	Y=4H	22.8	23.6	23.4	24.2	24.9	22.0	22.8	22.6	23.4	24.1
	Y=6H	24.3	24.9	24.9	25.6	26.3	23.4	24.0	24.0	24.7	25.4
	Y=8H	25.1	25.7	25.7	26.3	27.0	24.1	24.7	24.7	25.3	26.1
	Y=12H	26.0	26.5	26.6	27.1	27.9	25.0	25.5	25.6	26.1	26.9
X=8H	Y=4H	23.4	24.0	24.0	24.6	25.3	22.6	23.2	23.2	23.8	24.6
	Y=6H	25.1	25.6	25.8	26.2	27.0	24.3	24.7	24.9	25.4	26.2
	Y=8H	26.1	26.5	26.8	27.2	27.9	25.2	25.5	25.9	26.2	27.0
	Y=12H	27.3	27.5	28.0	28.2	29.0	26.3	26.5	27.0	27.2	28.0
X=12H	Y=4H	23.5	24.0	24.2	24.7	25.4	22.7	23.3	23.4	23.9	24.7
	Y=6H	25.4	25.7	26.1	26.4	27.2	24.5	24.9	25.2	25.5	26.3
	Y=8H	26.5	26.7	27.2	27.4	28.2	25.6	25.8	26.3	26.5	27.3
Variations with the objerver position at spacings											
S=1.0H		0.1/-0.1					0.2/-0.2				
S=1.5H		0.2/-0.2					0.2/-0.3				
S=2.0H		0.1/-0.2					0.2/-0.2				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		5.2					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	C90.0	C180.0	C270.0
γ 0.0	680.02	680.02	680.02	680.02
γ 10.0	676.94	664.85	662.76	675.06
γ 20.0	654.07	633.23	634.66	649.68
γ 30.0	612.16	578.46	570.74	605.26
γ 40.0	553.32	519.49	508.92	543.50
γ 50.0	481.17	439.85	427.13	469.39
γ 60.0	402.28	353.38	340.69	390.19
γ 70.0	314.34	270.42	256.62	302.36
γ 80.0	229.15	191.31	178.53	218.60
γ 90.0	154.87	125.96	120.70	147.89
γ 100.0	100.04	84.60	81.24	97.46
γ 110.0	56.10	54.72	49.89	56.51
γ 120.0	42.66	41.00	37.01	38.96
γ 130.0	29.78	25.87	23.17	25.62
γ 140.0	20.69	17.62	15.88	17.87
γ 150.0	15.19	12.98	11.39	12.85
γ 160.0	11.83	9.47	7.85	9.40
γ 170.0	8.23	7.47	7.33	7.43
γ 180.0	6.90	6.90	6.90	6.90