

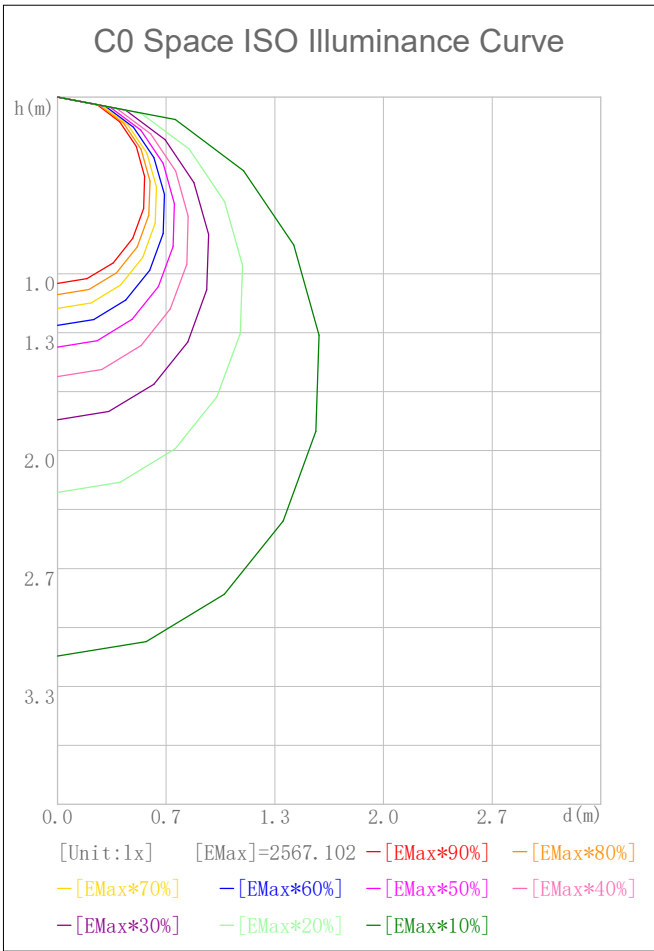
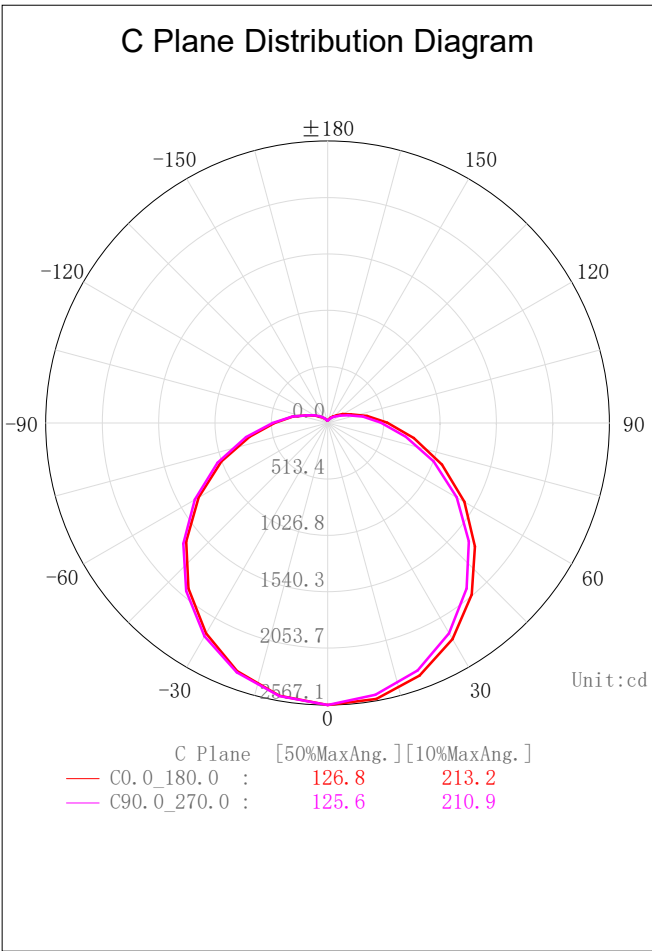
Indoor Luminaire Photometric Data

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

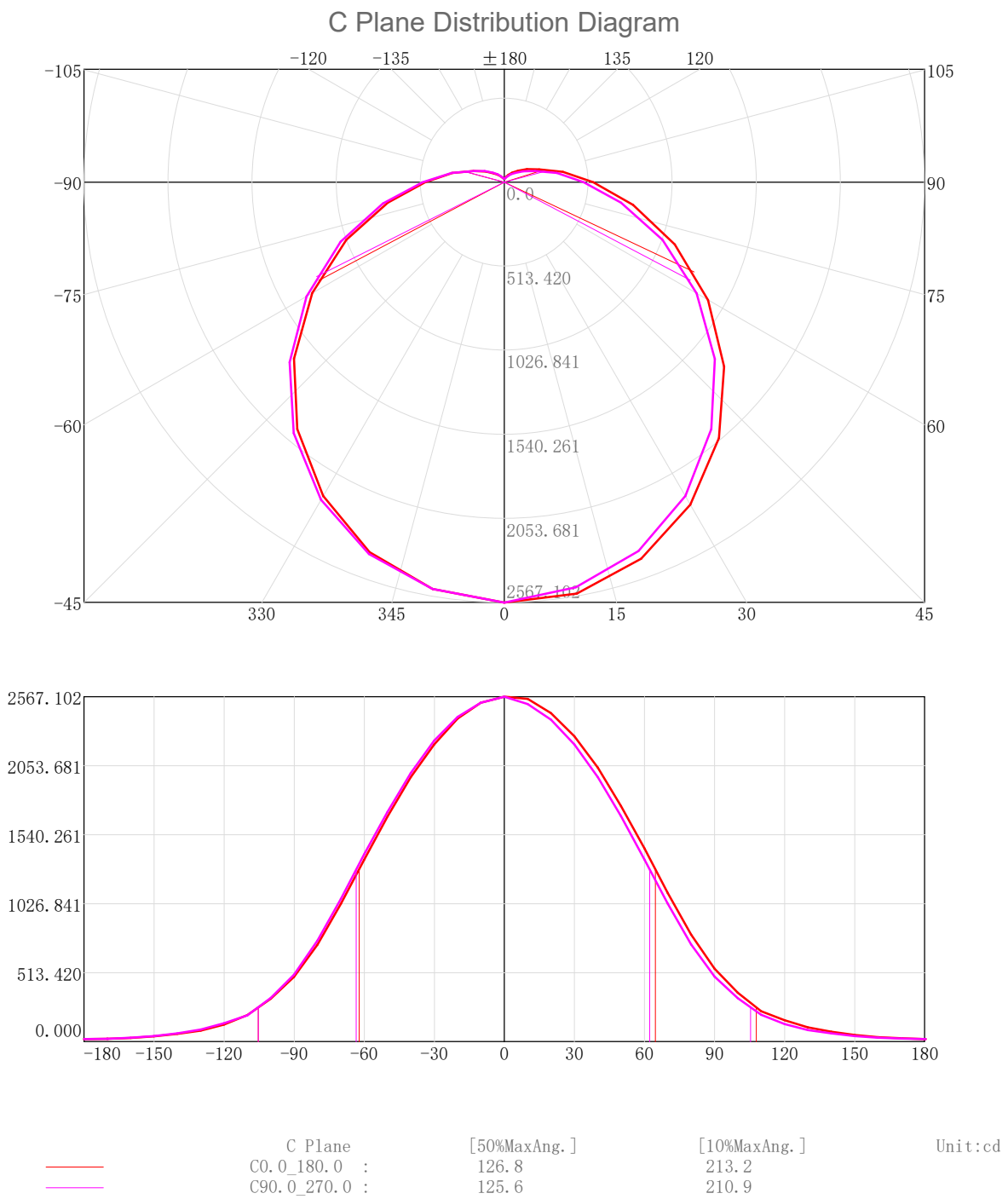
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 12480.000	Luminary Flux(lm): 9993.249	Field Angle(10%Imax): 213.2(°)
Rated Power(W):	Luminary Efficiency: 80.07%	Down Lumens&Percent: 8881.141lm 88.87%
Rated Voltage(V):	Luminary EER(lm/W): 141.008	Up Lumens&Percent: 1112.108lm 11.13%
Tested Power(W): 70.870	Max. Candela(cd): 2567.102	S/MH: C0_a180=1.304 C90_270=1.295
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: General Diffuse
Tested Electrics(V, A, pf):231.6, 0.311, 0.983	Beam Angle(50%Imax): 126.8(°)	ErP Φuse(120°): 6145.742lm
Lamp Size(W*L*H):0.063m*1.820m*0.073m	Left=-62.2°, Right=64.7°	IRF(%): 102.724



2D Plane Light Intensity Distribution Curve

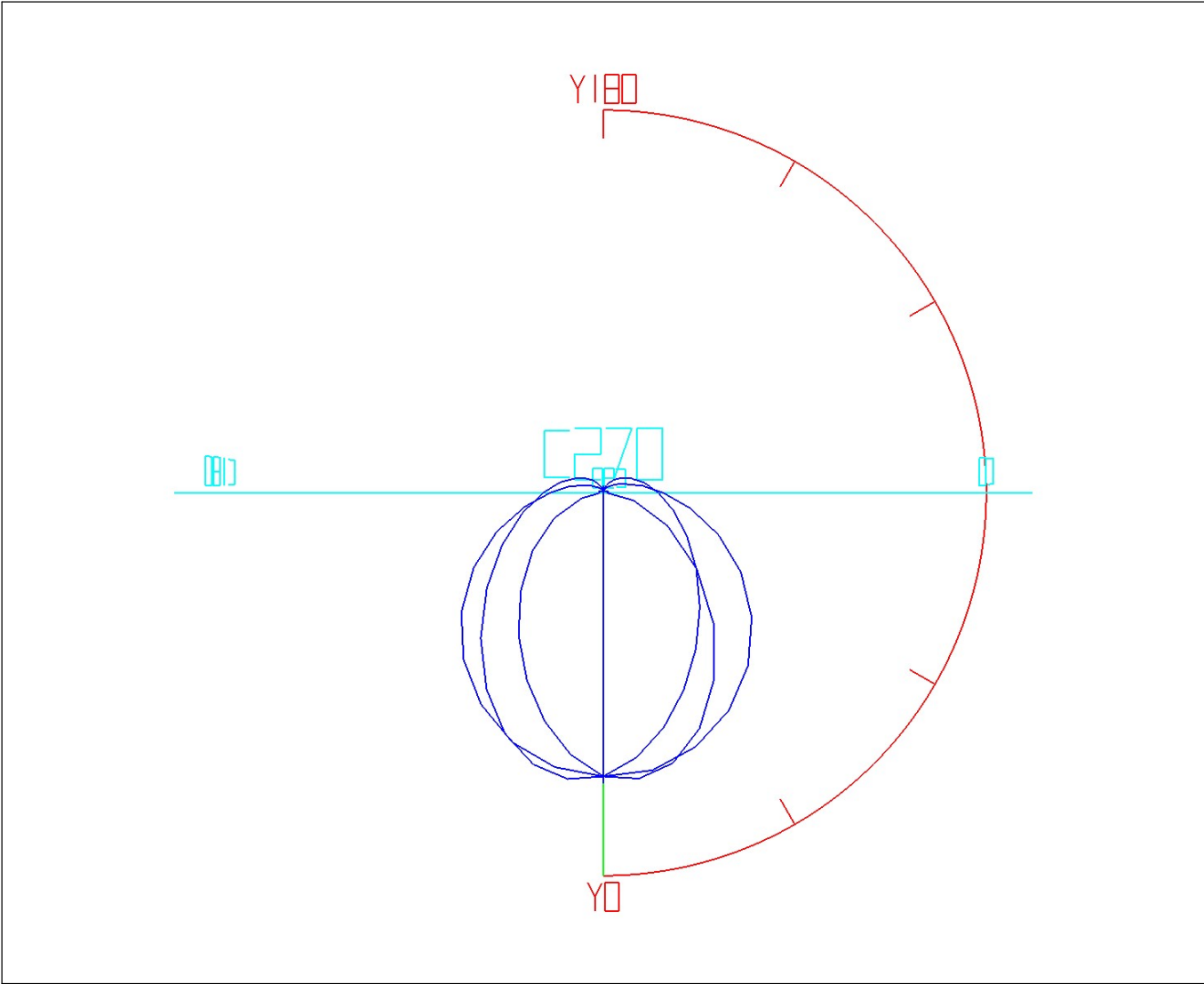
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29



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:0

Tilt:0

Roll:0

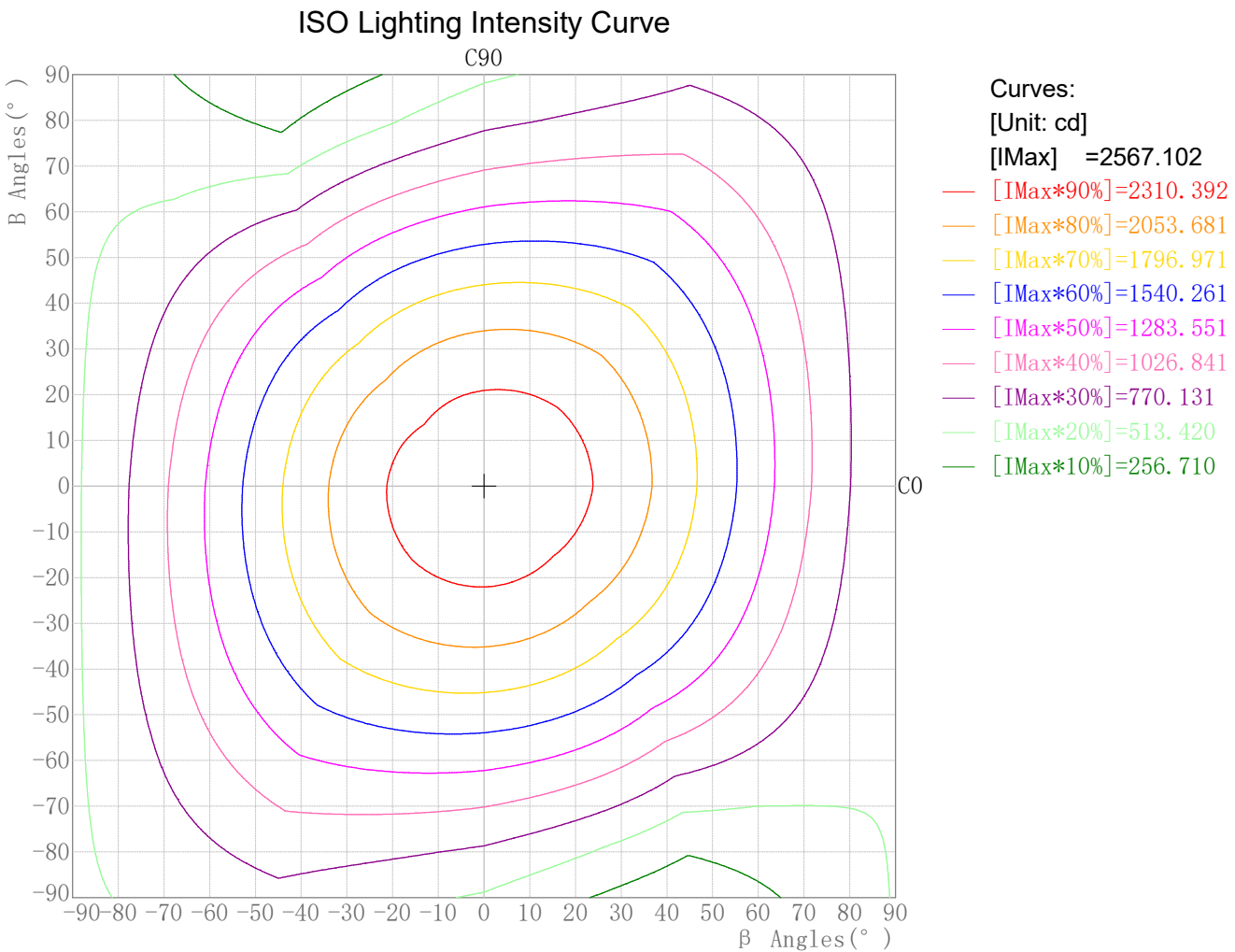
Spin:0

Zonal Flux Tabulation

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	242. 96	242. 96	1. 95	1. 95
10. 0-20. 0	699. 27	942. 22	5. 60	7. 55
20. 0-30. 0	1073. 66	2015. 89	8. 60	16. 15
30. 0-40. 0	1324. 69	3340. 58	10. 61	26. 77
40. 0-50. 0	1427. 57	4768. 14	11. 44	38. 21
50. 0-60. 0	1377. 67	6145. 81	11. 04	49. 25
60. 0-70. 0	1192. 96	7338. 77	9. 56	58. 80
70. 0-80. 0	916. 25	8255. 02	7. 34	66. 15
80. 0-90. 0	626. 12	8881. 14	5. 02	71. 16
90. 0-100. 0	417. 77	9298. 91	3. 35	74. 51
100. 0-110. 0	280. 30	9579. 21	2. 25	76. 76
110. 0-120. 0	176. 41	9755. 62	1. 41	78. 17
120. 0-130. 0	109. 34	9864. 96	0. 88	79. 05
130. 0-140. 0	64. 51	9929. 47	0. 52	79. 56
140. 0-150. 0	35. 88	9965. 35	0. 29	79. 85
150. 0-160. 0	17. 96	9983. 31	0. 14	79. 99
160. 0-170. 0	7. 83	9991. 14	0. 06	80. 06
170. 0-180. 0	2. 11	9993. 25	0. 02	80. 07

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

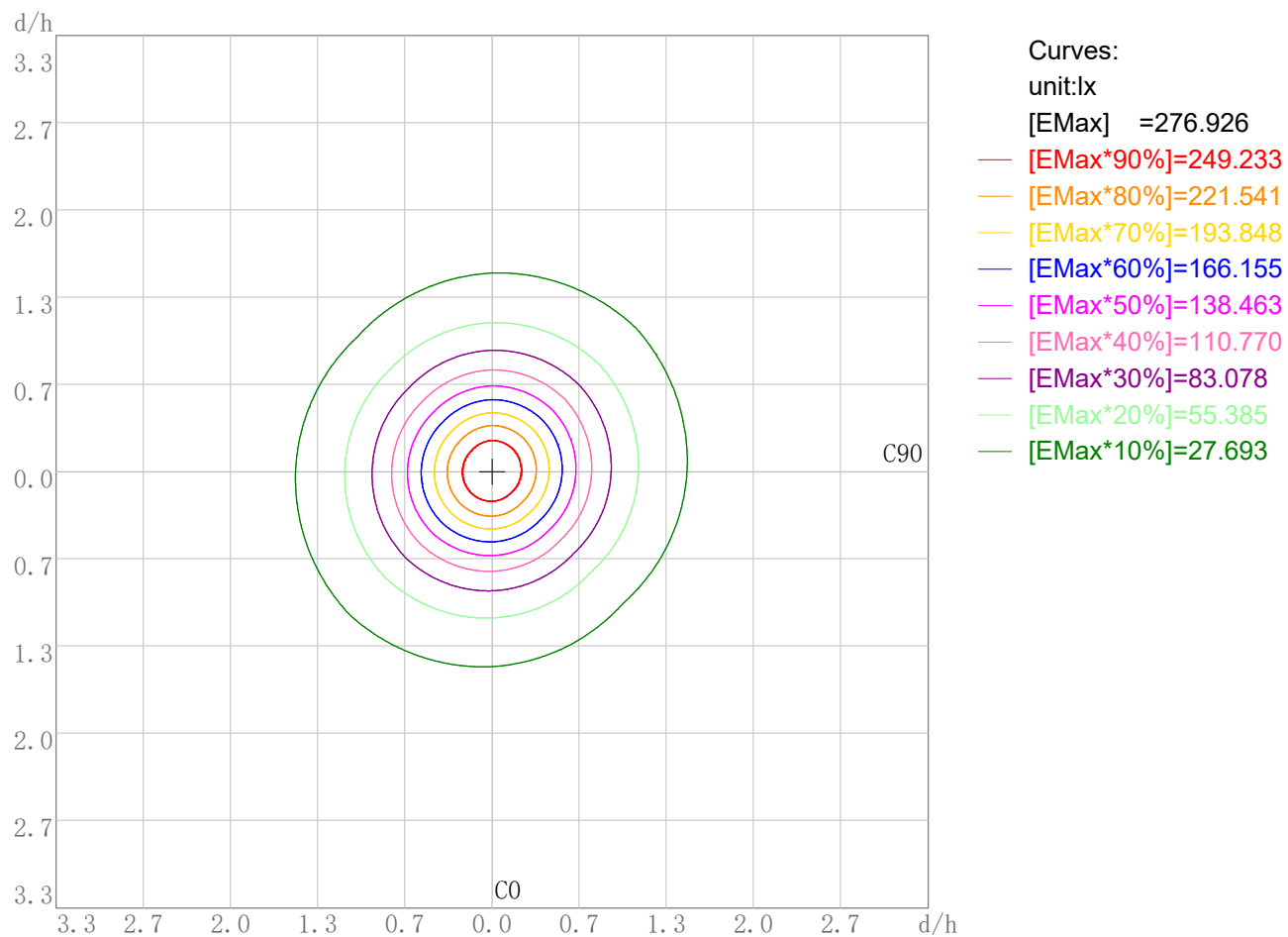


Maximum Light Intensity(cd): 2567.10  
Maximum Cand.@Angle: H=0.0°,V=0.0°

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

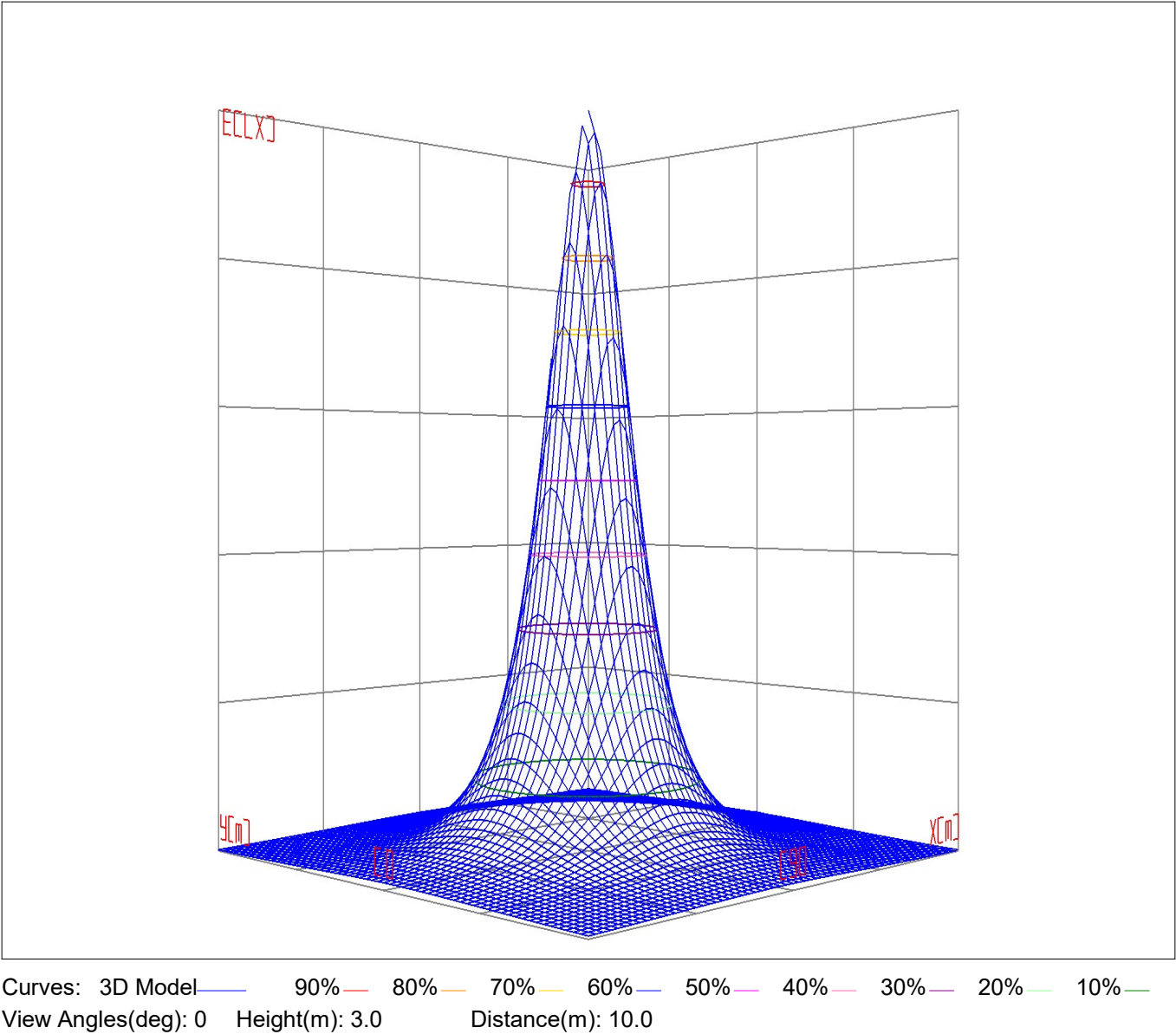


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 276.93  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

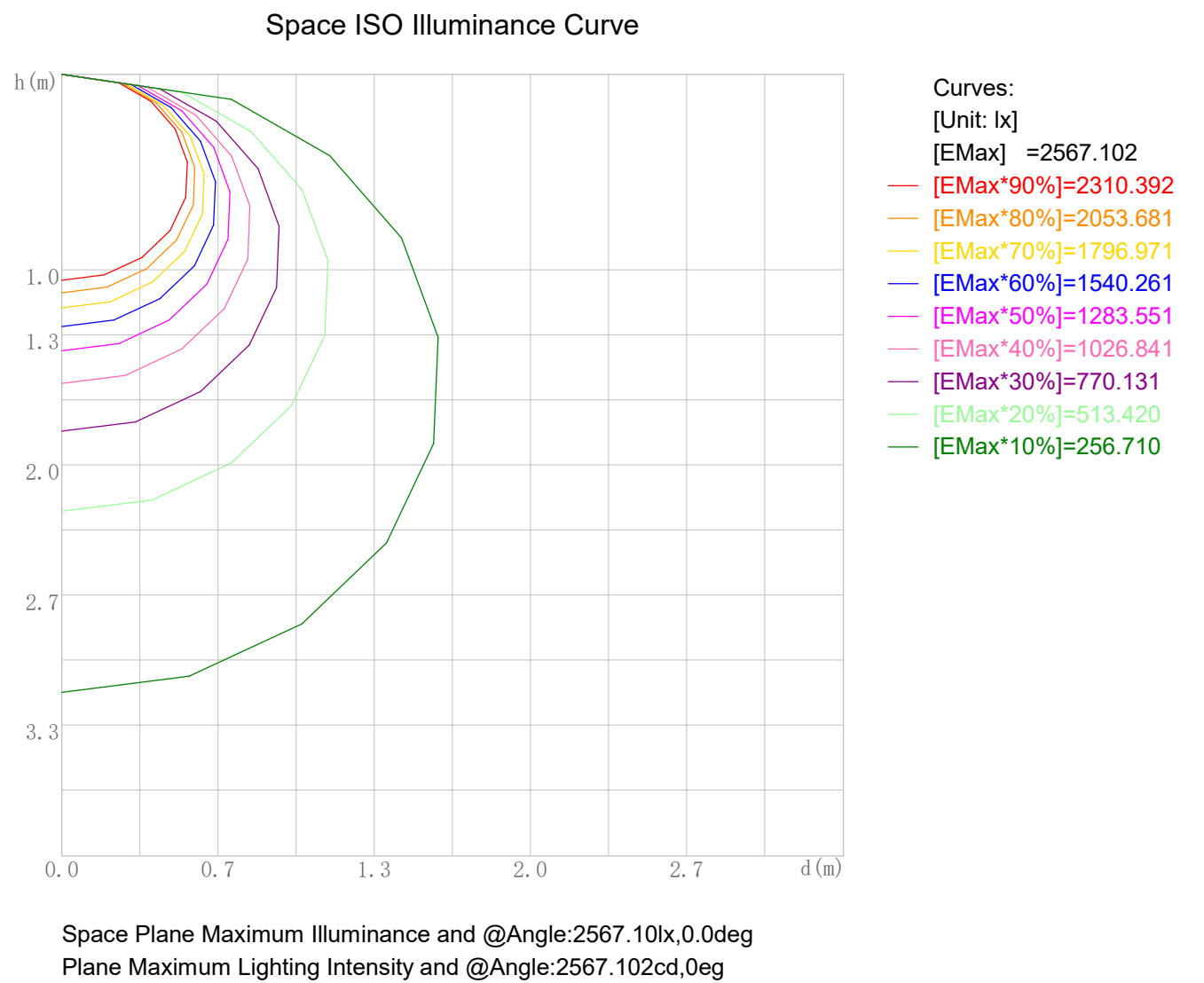
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29

3D Plane Illuminance Modal



Space ISO Illuminance Diagram

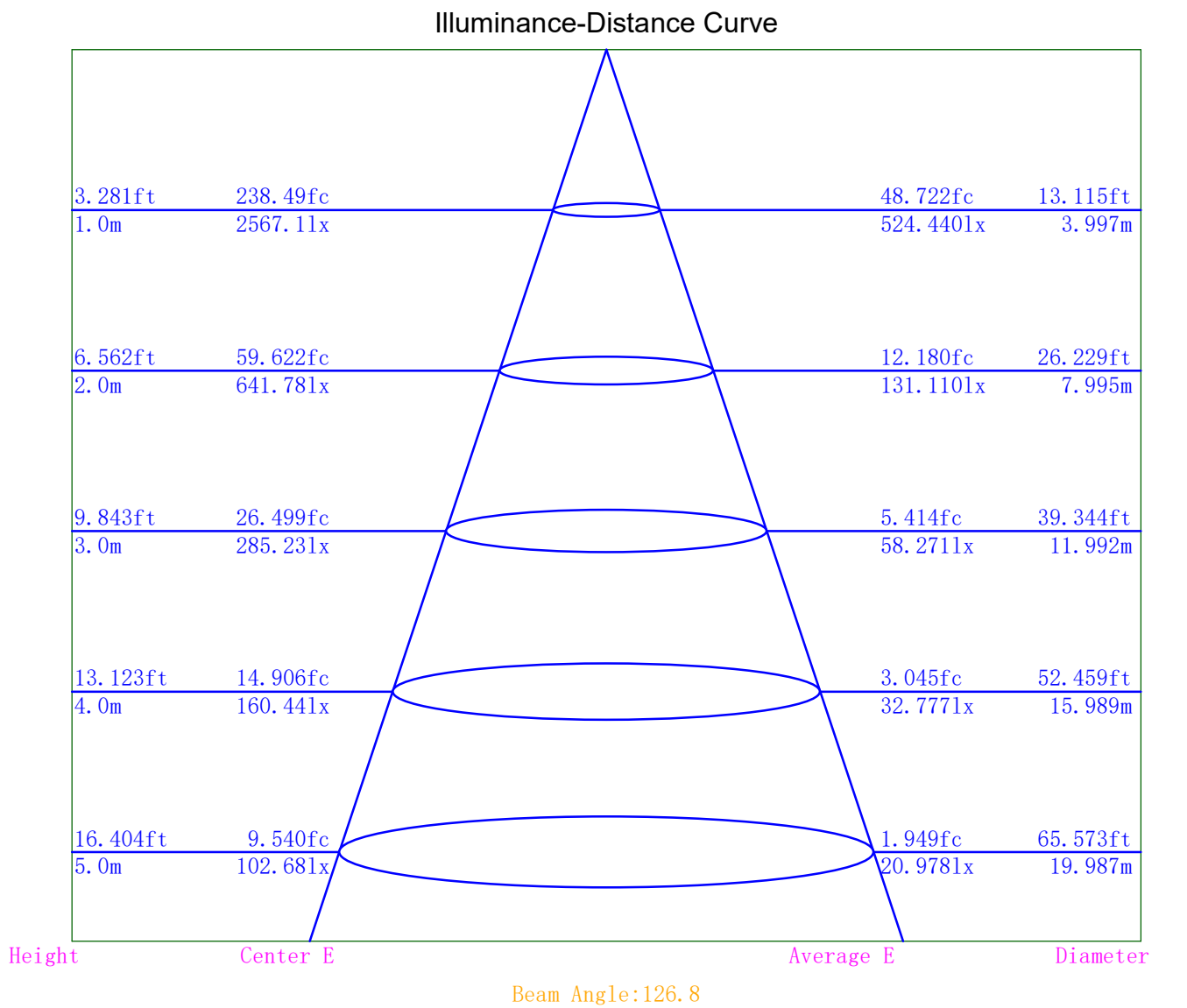
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29





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

Table with 3 columns: Lum. Name, Lum. Catalog, Test ID; Lamp Name, Lamp Catalog, Test Lab; Manufacture, Test Machine, Test Date.

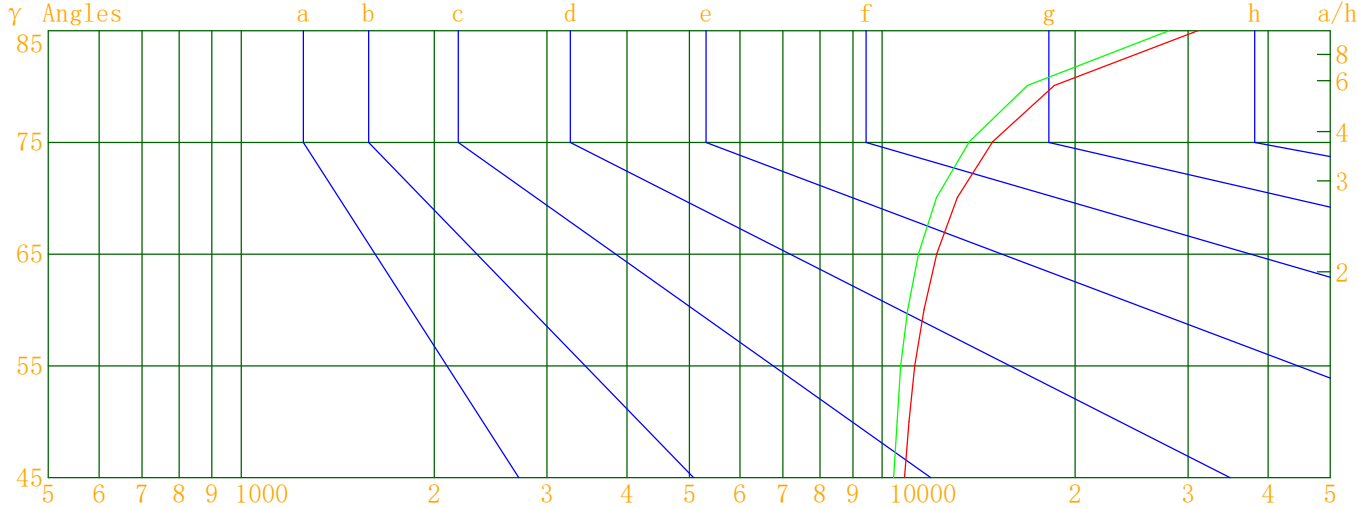
Glare Grade Table

Table with 10 columns: GI, Quality, and 8 columns for Using Illuminance (2000, 1000, 500, <=300, etc.).

Luminance Table

Table with 10 columns: Gama (deg) and 9 columns for C0, C90, and other luminance values.

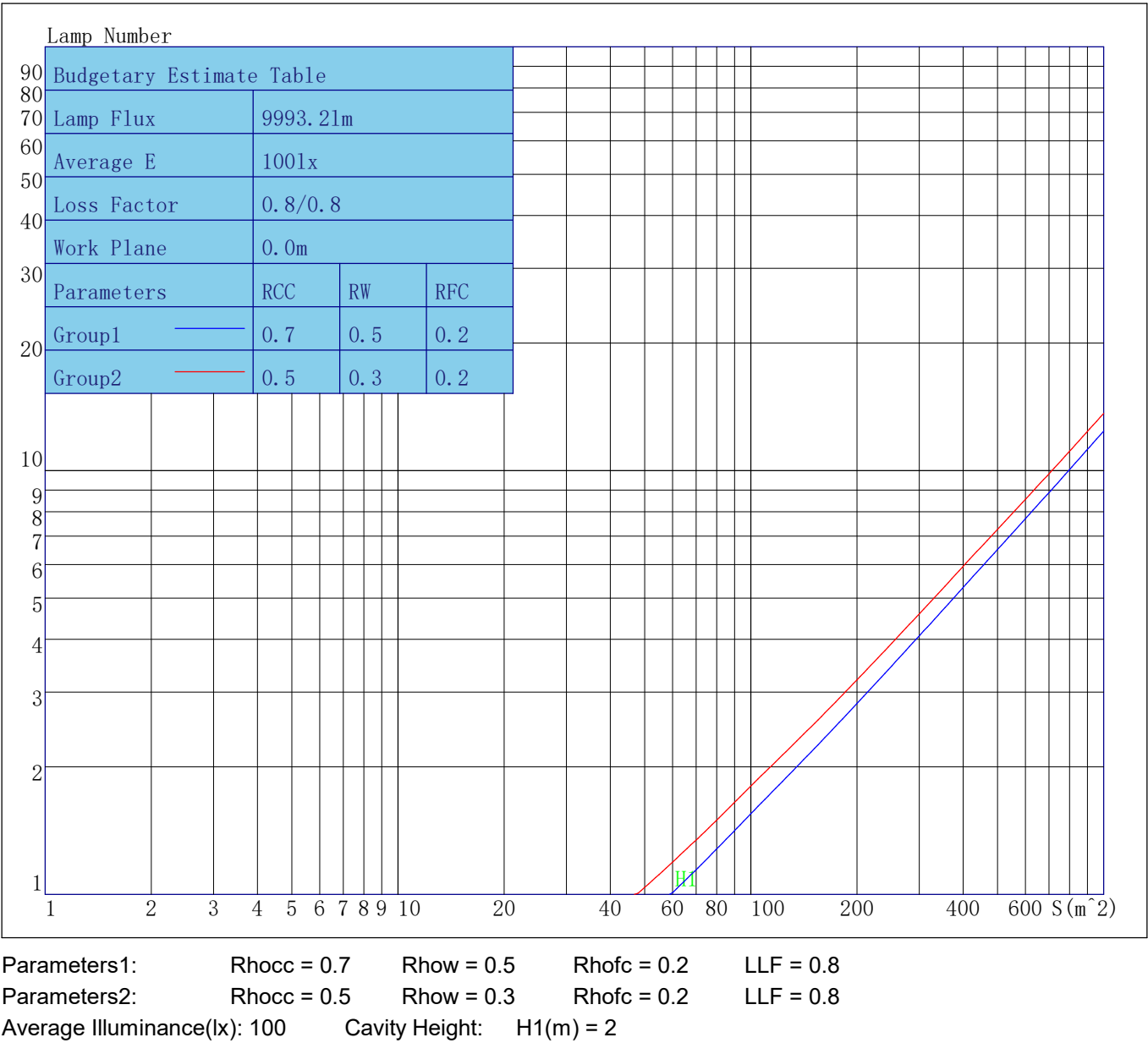
Luminance Limiting Curve



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 Catelog:	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	93	93	93	93	90	90	90	90	84	84	84	79	79	79	74	74	74	71
1	83	79	74	71	80	76	72	69	71	68	65	66	64	61	62	60	58	56
2	75	67	61	56	72	65	59	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	37	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	15

Unified Glare Rating Table

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

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	20.9	22.3	21.5	22.8	23.4	20.6	22.0	21.2	22.5	23.1
	23.2	24.4	23.7	24.9	25.6	22.8	24.0	23.4	24.6	25.2
	24.4	25.5	25.0	26.0	26.7	24.0	25.1	24.5	25.6	26.3
	25.6	26.6	26.2	27.2	27.9	25.1	26.1	25.7	26.7	27.4
	26.3	27.2	26.9	27.8	28.5	25.8	26.7	26.4	27.3	28.0
	27.1	28.0	27.7	28.5	29.2	26.5	27.4	27.1	28.0	28.7
X=4H    Y=2H	21.8	23.0	22.4	23.5	24.1	21.6	22.7	22.1	23.2	23.9
	24.3	25.2	24.9	25.8	26.5	24.0	24.9	24.6	25.5	26.1
	25.7	26.5	26.3	27.1	27.8	25.3	26.1	25.9	26.7	27.4
	27.1	27.8	27.8	28.4	29.1	26.7	27.3	27.3	27.9	28.6
	27.9	28.5	28.5	29.1	29.8	27.4	28.0	28.0	28.6	29.3
	28.8	29.3	29.4	29.9	30.6	28.2	28.7	28.9	29.4	30.1
X=8H    Y=4H	26.3	26.8	26.9	27.5	28.2	25.9	26.5	26.5	27.1	27.8
	28.0	28.4	28.6	29.0	29.8	27.5	27.9	28.2	28.6	29.4
	28.9	29.2	29.6	29.9	30.7	28.4	28.8	29.1	29.5	30.2
	30.0	30.3	30.7	30.9	31.8	29.5	29.8	30.2	30.4	31.2
X=12H    Y=4H	26.4	26.9	27.1	27.5	28.3	26.0	26.5	26.7	27.2	27.9
	28.2	28.5	28.9	29.2	29.9	27.8	28.1	28.5	28.7	29.5
	29.3	29.5	30.0	30.2	31.0	28.8	29.0	29.5	29.7	30.5
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.2/-0.3				
S=1.5H	0.2/-0.4					0.3/-0.4				
S=2.0H	0.2/-0.3					0.3/-0.4				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	5.0					4.9				

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	2567.10	2567.10	2567.10	2567.10	2567.10	2567.10	2567.10	2567.10
γ 10.0	2550.68	2531.68	2512.67	2502.46	2521.55	2524.15	2522.91	2520.54
γ 20.0	2446.03	2433.64	2396.30	2361.63	2403.95	2418.09	2416.28	2406.95
γ 30.0	2273.09	2274.78	2212.47	2149.52	2212.14	2256.90	2239.66	2212.31
γ 40.0	2039.01	2067.38	1967.57	1872.69	1968.00	2043.34	1999.61	1950.88
γ 50.0	1752.35	1818.20	1679.04	1527.40	1676.59	1790.27	1710.79	1630.36
γ 60.0	1437.80	1542.86	1356.60	1139.84	1354.19	1513.84	1394.40	1244.84
γ 70.0	1108.42	1261.09	1028.44	710.80	1026.61	1230.72	1063.83	814.98
γ 80.0	797.74	990.40	723.98	288.18	721.52	959.27	751.98	379.53
γ 90.0	542.89	754.11	484.30	40.69	482.51	722.26	498.55	43.94
γ 100.0	364.52	559.47	325.63	63.86	321.61	530.88	325.81	65.41
γ 110.0	227.51	393.61	200.05	45.86	199.85	369.34	197.28	48.53
γ 120.0	159.88	277.80	132.03	33.53	128.82	257.59	137.93	33.98
γ 130.0	107.89	189.07	87.31	26.32	83.34	176.33	91.70	26.50
γ 140.0	75.57	122.93	63.20	22.00	59.24	115.92	63.17	22.30
γ 150.0	51.20	78.95	43.23	20.24	41.10	70.25	43.22	21.21
γ 160.0	34.62	47.62	29.93	19.02	28.66	42.29	29.95	19.34
γ 170.0	25.84	28.10	24.05	20.38	22.57	25.66	23.12	20.70
γ 180.0	20.46	20.46	20.46	20.46	20.46	20.46	20.46	20.46