

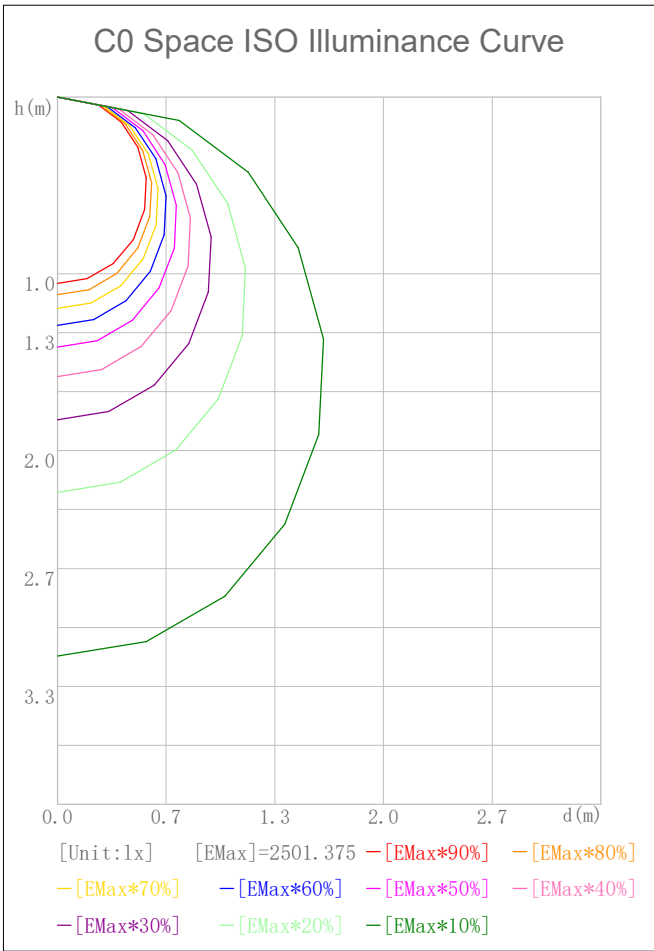
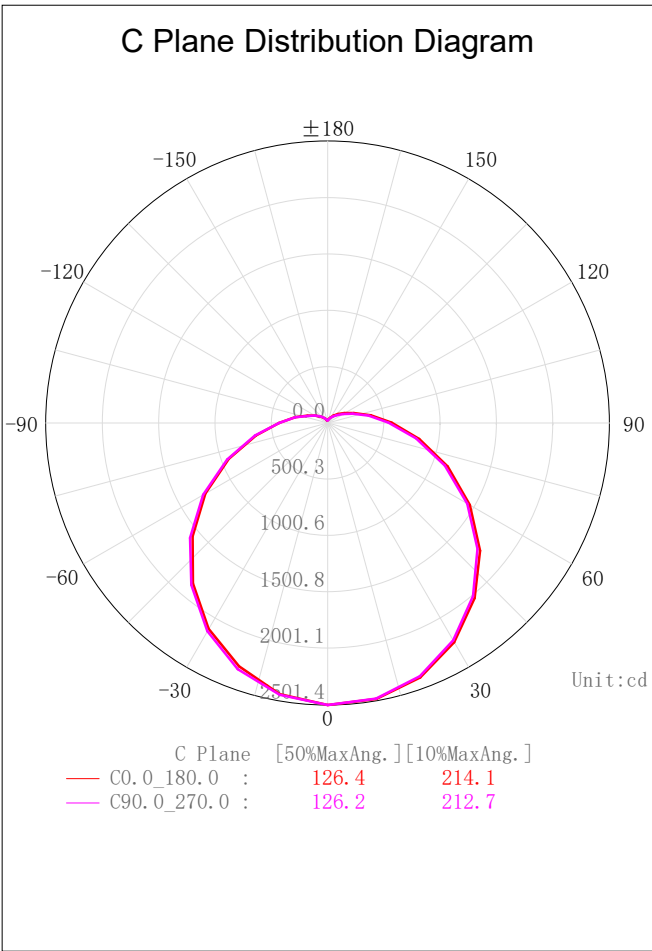
Indoor Luminaire Photometric Data

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

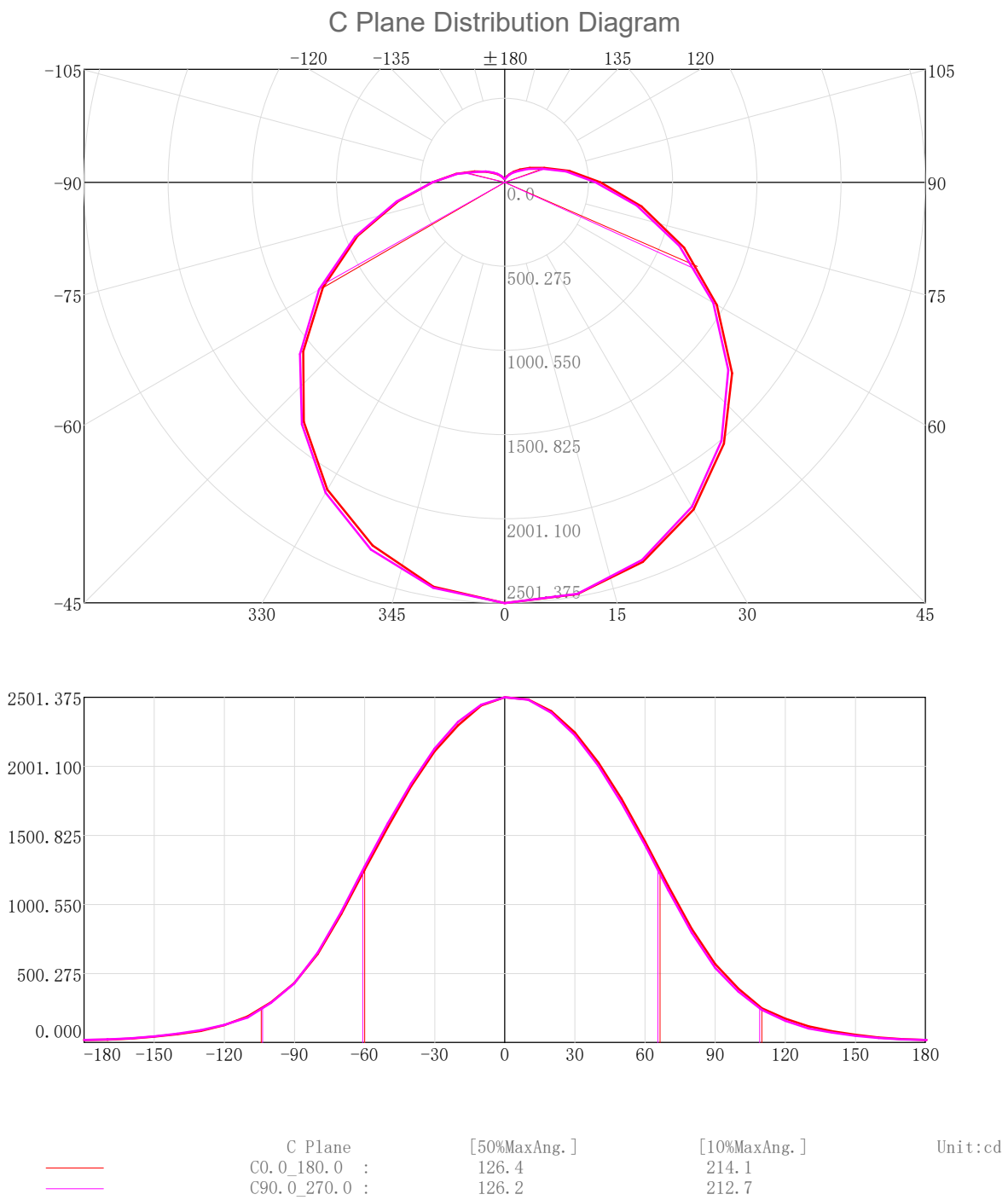
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 12200.000	Luminary Flux(lm): 9795.802	Field Angle(10%Imax): 214.1(°)
Rated Power(W):	Luminary Efficiency: 80.29%	Down Lumens&Percent: 8672.084lm 88.53%
Rated Voltage(V):	Luminary EER(lm/W): 133.222	Up Lumens&Percent: 1123.718lm 11.47%
Tested Power(W): 73.530	Max. Candela(cd): 2501.375	S/MH: C0_a180=1.300 C90_270=1.300
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: General Diffuse
Tested Electrics(V, A, pf):231.6, 0.322, 0.985	Beam Angle(50%Imax): 126.4(°)	ErP Φuse(120°): 5998.909lm
Lamp Size(W*L*H):0.063m*1.820m*0.073m	Left=-59.9°, Right=66.4°	IRF(%): 101.606



2D Plane Light Intensity Distribution Curve

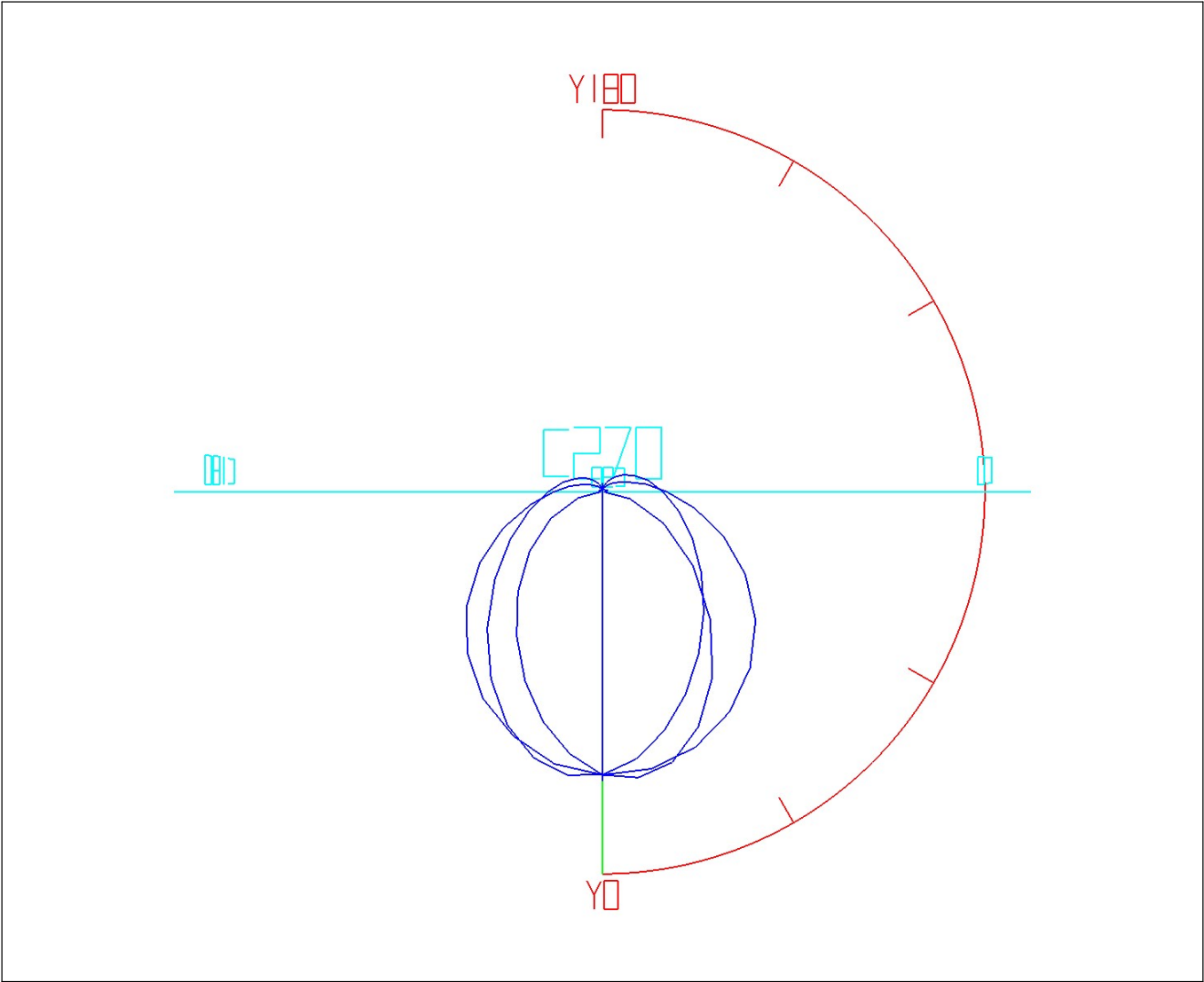
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29



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 —

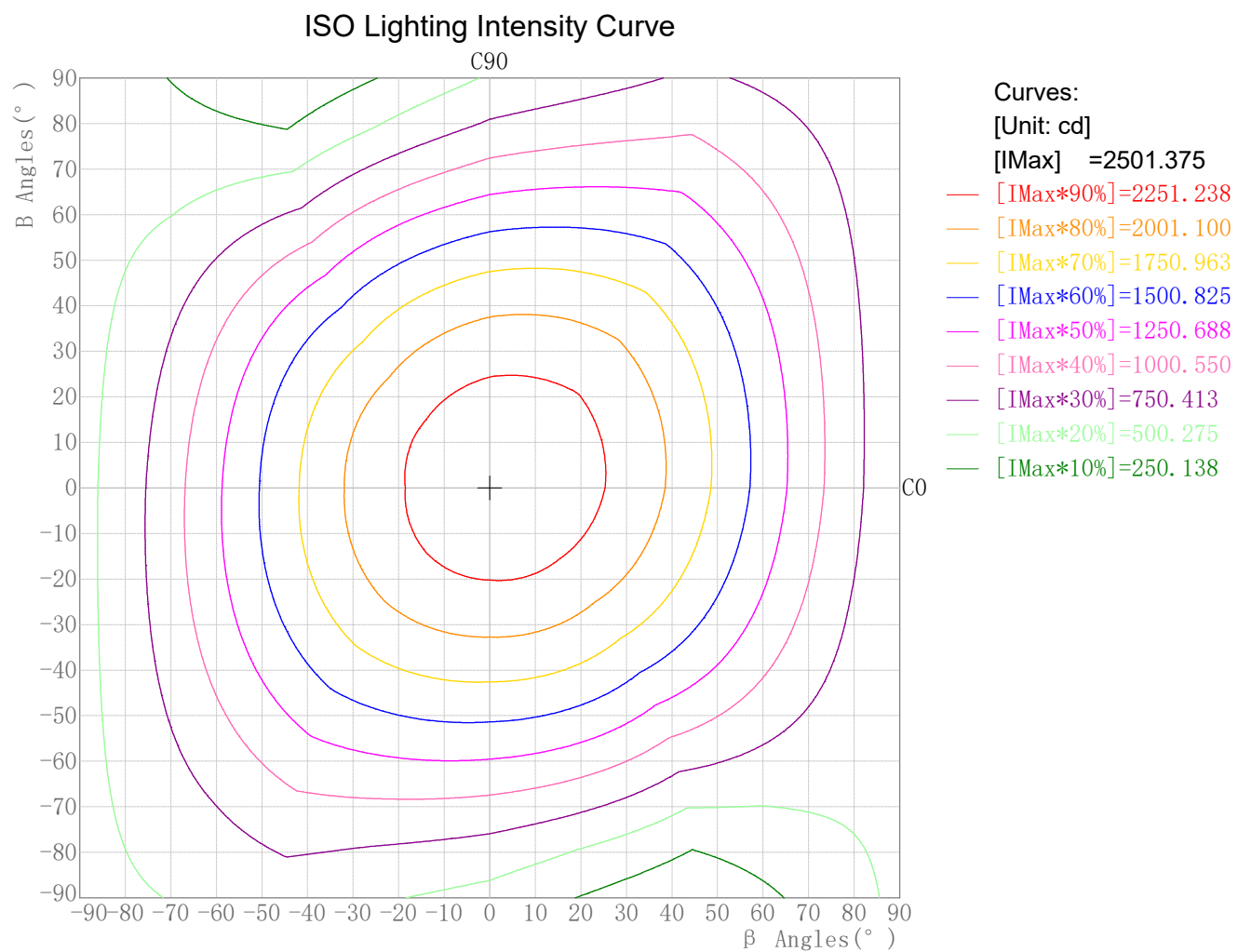
View Angles:Orient:0Tilt:0Roll:0Spin:0

**Zonal Flux Tabulation**

Zone ( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	236. 93	236. 93	1. 94	1. 94
10. 0-20. 0	682. 68	919. 61	5. 60	7. 54
20. 0-30. 0	1048. 80	1968. 42	8. 60	16. 13
30. 0-40. 0	1294. 02	3262. 43	10. 61	26. 74
40. 0-50. 0	1394. 44	4656. 87	11. 43	38. 17
50. 0-60. 0	1346. 04	6002. 90	11. 03	49. 20
60. 0-70. 0	1164. 73	7167. 63	9. 55	58. 75
70. 0-80. 0	894. 26	8061. 89	7. 33	66. 08
80. 0-90. 0	610. 19	8672. 08	5. 00	71. 08
90. 0-100. 0	410. 37	9082. 46	3. 36	74. 45
100. 0-110. 0	282. 44	9364. 89	2. 32	76. 76
110. 0-120. 0	181. 16	9546. 05	1. 48	78. 25
120. 0-130. 0	113. 57	9659. 62	0. 93	79. 18
130. 0-140. 0	68. 16	9727. 79	0. 56	79. 74
140. 0-150. 0	38. 48	9766. 26	0. 32	80. 05
150. 0-160. 0	19. 24	9785. 50	0. 16	80. 21
160. 0-170. 0	8. 18	9793. 68	0. 07	80. 28
170. 0-180. 0	2. 12	9795. 80	0. 02	80. 29

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

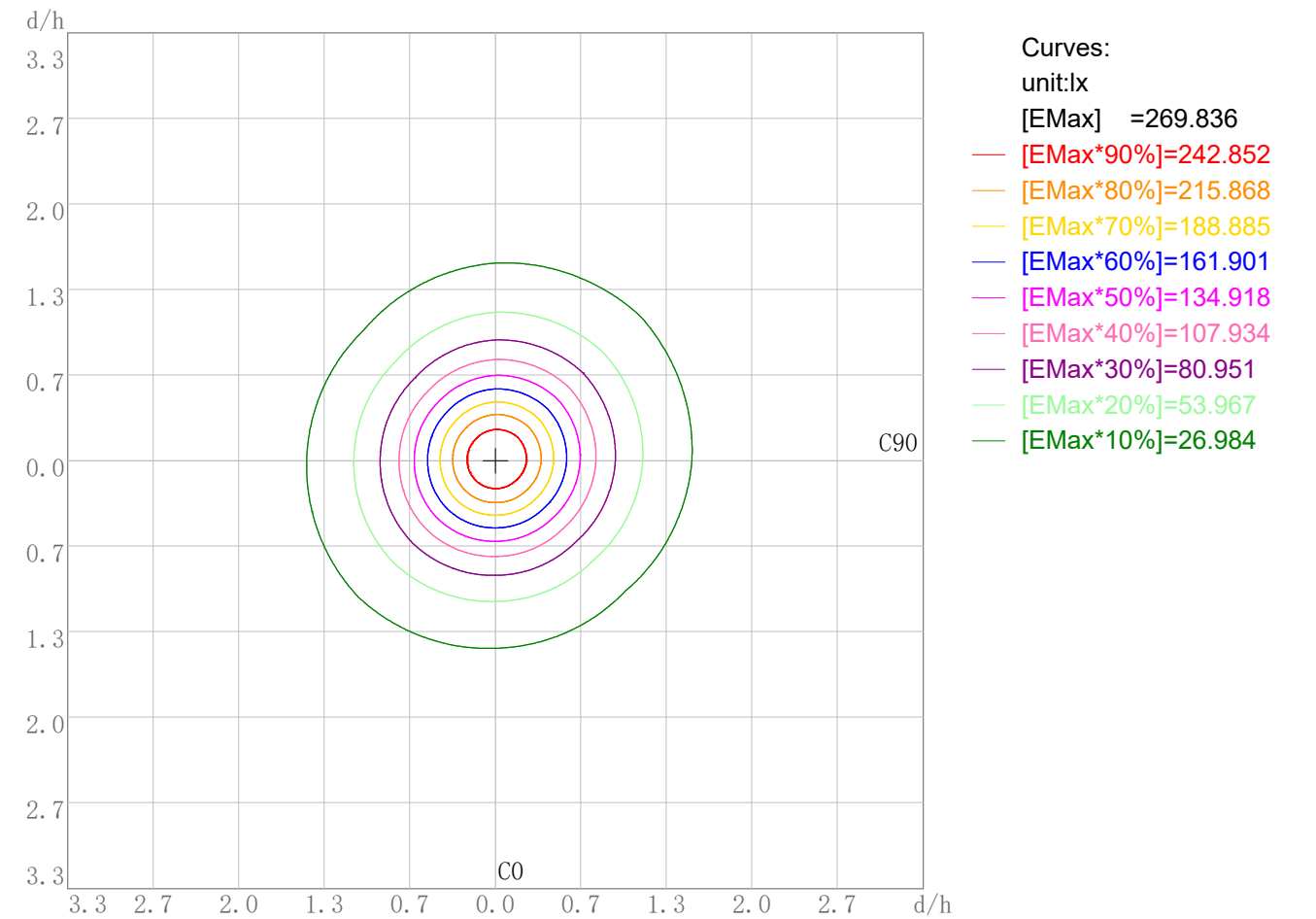


Maximum Light Intensity(cd): 2501.38  
Maximum Cand.@Angle: H=0.0°,V=0.0°

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

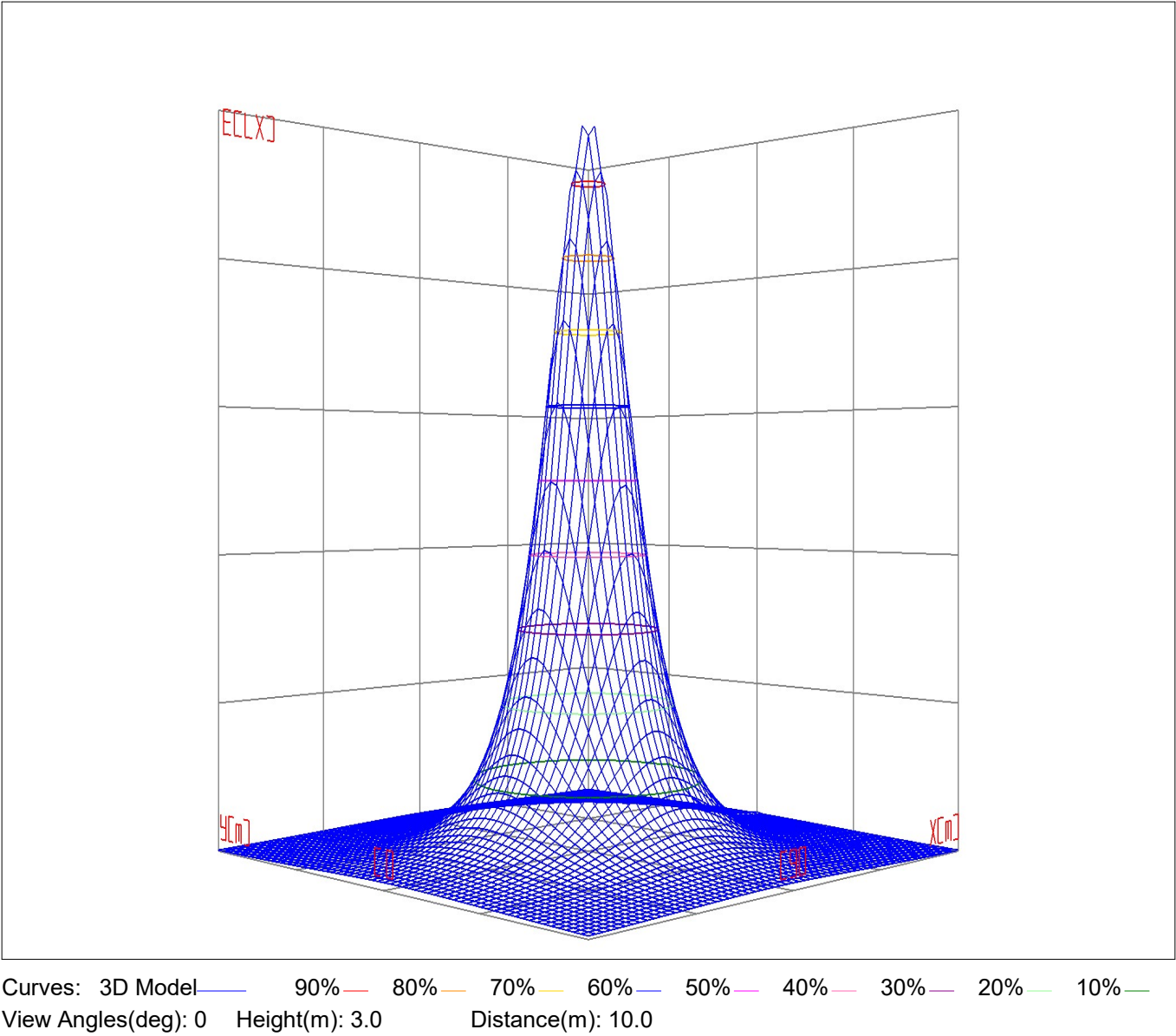


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 269.84  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

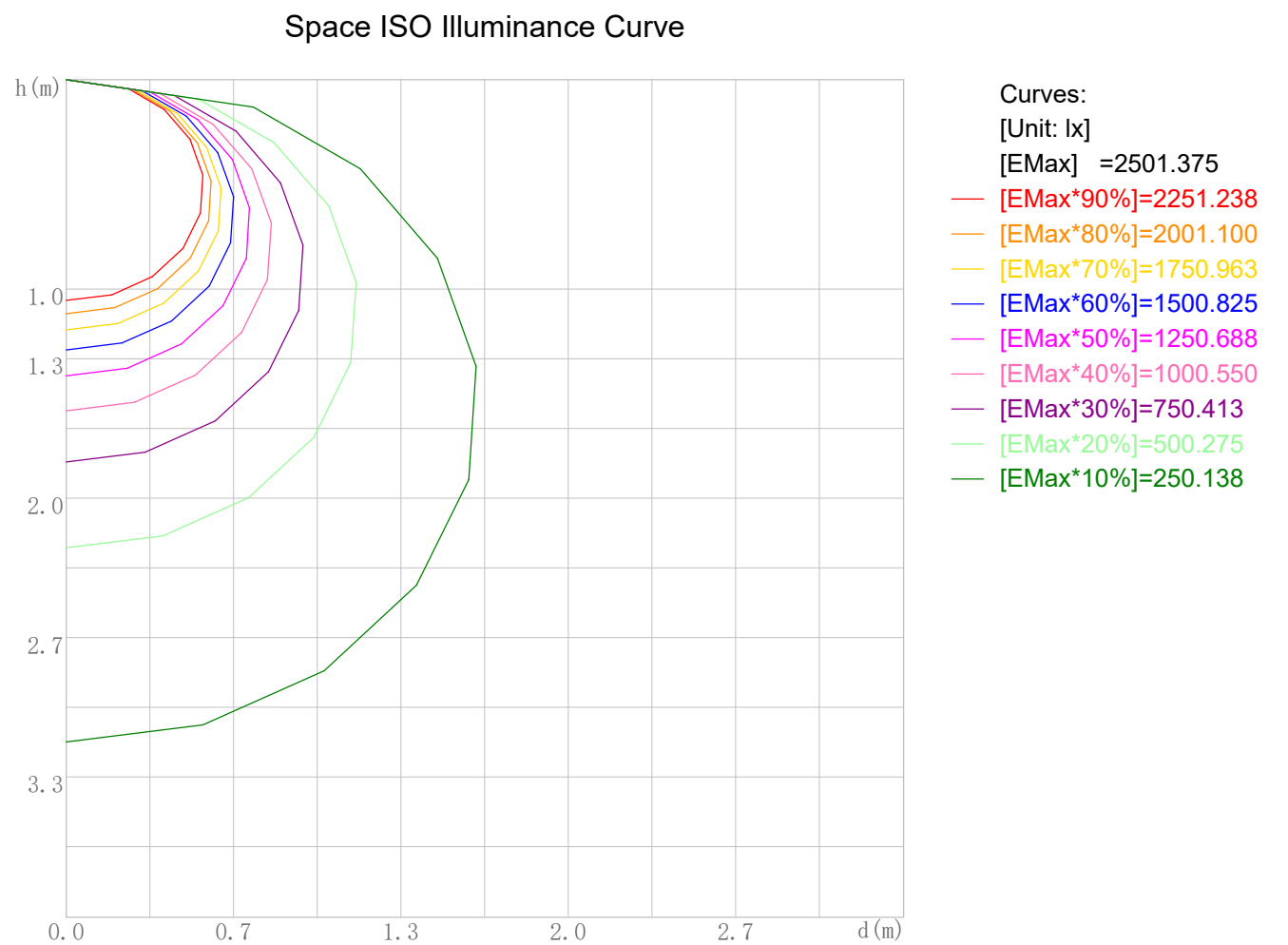
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/29

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

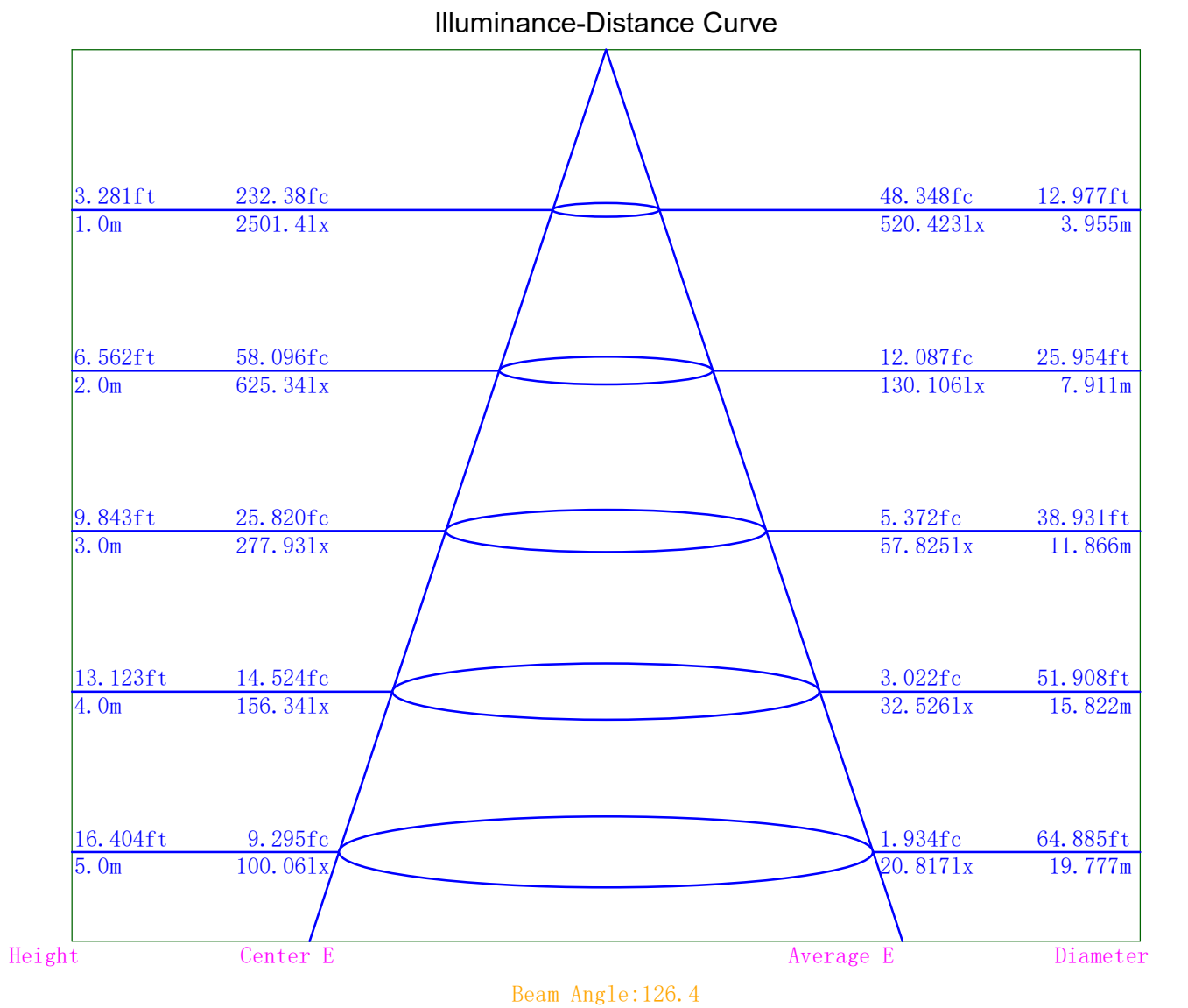


Space Plane Maximum Illuminance and @Angle:2501.38lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:2501.375cd,0eg



Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	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

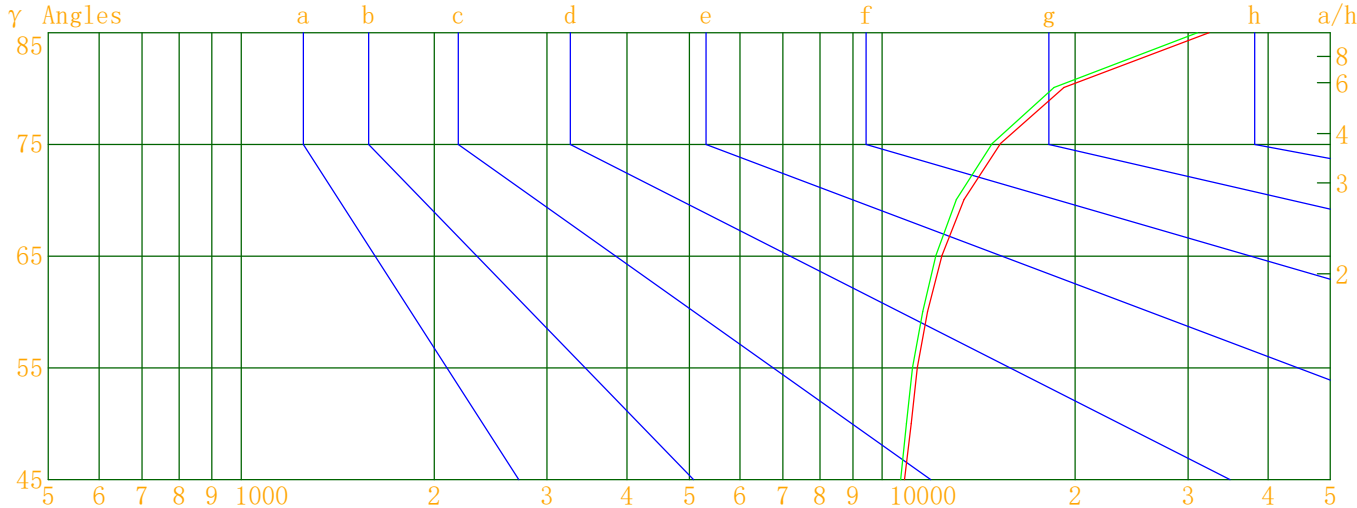
Glare Grade Table

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	10838	11096	11346	11768	12388	13411	15304	19205	32337
C90	10690	10911	11155	11568	12126	13056	14848	18545	31017

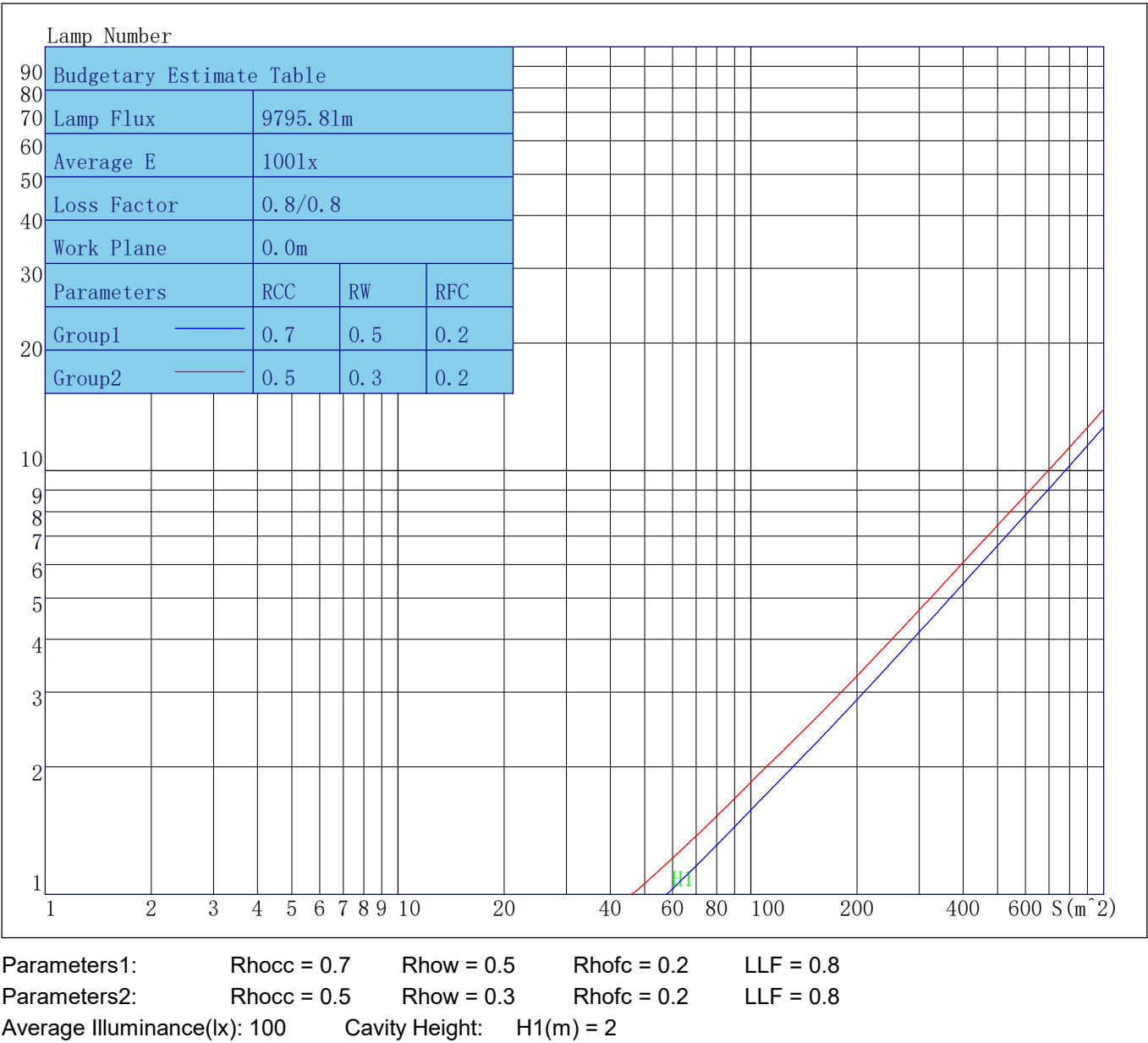
Luminance Limiting Curve



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	73	73	73	71
1	83	79	75	71	80	76	72	69	71	68	65	66	64	61	62	60	58	55
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	29	23	19	27	22	18	26	21	18	16
10	39	29	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	21.0	22.4	21.6	22.9	23.5	20.9	22.3	21.5	22.8	23.4
	23.3	24.5	23.9	25.1	25.7	23.2	24.4	23.8	24.9	25.6
	24.5	25.6	25.1	26.2	26.9	24.4	25.5	25.0	26.1	26.7
	25.8	26.8	26.4	27.4	28.1	25.6	26.7	26.2	27.2	27.9
	26.5	27.4	27.1	28.0	28.7	26.3	27.3	26.9	27.9	28.5
	27.3	28.2	27.9	28.8	29.5	27.1	28.0	27.7	28.6	29.3
X=4H    Y=2H	21.9	23.1	22.5	23.6	24.3	21.9	23.0	22.4	23.5	24.2
	24.5	25.4	25.1	26.0	26.6	24.4	25.3	25.0	25.9	26.5
	25.9	26.6	26.5	27.2	27.9	25.7	26.5	26.3	27.1	27.8
	27.3	28.0	28.0	28.6	29.3	27.2	27.8	27.8	28.4	29.2
	28.1	28.7	28.8	29.3	30.0	27.9	28.5	28.6	29.1	29.9
	29.0	29.5	29.7	30.2	30.9	28.8	29.3	29.5	30.0	30.7
X=8H    Y=4H	26.4	27.0	27.1	27.7	28.4	26.3	26.9	27.0	27.5	28.3
	28.2	28.6	28.9	29.3	30.0	28.0	28.4	28.7	29.1	29.9
	29.1	29.5	29.9	30.2	30.9	29.0	29.3	29.7	30.0	30.8
	30.3	30.5	31.0	31.2	32.0	30.1	30.3	30.8	31.0	31.8
X=12H    Y=4H	26.6	27.1	27.2	27.7	28.5	26.5	26.9	27.1	27.6	28.3
	28.4	28.7	29.1	29.4	30.2	28.3	28.6	29.0	29.3	30.0
	29.5	29.7	30.2	30.4	31.2	29.4	29.6	30.1	30.3	31.1
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.2/-0.3				
S=1.5H	0.2/-0.4					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					5.1				

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

**IES Indoor Report**  
**Photometric Filename:NET-41-11-10 75W 5700K.IES**

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**Candela Tabulation**

V/H	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0
γ 0.0	2501.38	2501.38	2501.38	2501.38	2501.38	2501.38	2501.38	2501.38
γ 10.0	2486.07	2497.77	2483.30	2445.03	2441.88	2439.64	2447.52	2461.65
γ 20.0	2401.37	2424.58	2389.56	2325.09	2297.64	2316.44	2323.30	2352.30
γ 30.0	2245.77	2294.09	2227.27	2125.09	2109.33	2138.46	2130.21	2153.86
γ 40.0	2028.48	2108.68	2005.97	1851.62	1857.37	1913.02	1877.47	1891.43
γ 50.0	1765.33	1877.12	1735.91	1530.19	1563.03	1654.16	1589.14	1560.09
γ 60.0	1456.36	1612.21	1431.61	1147.97	1249.04	1378.54	1273.68	1180.86
γ 70.0	1135.33	1333.93	1105.32	729.84	931.37	1103.92	946.80	757.45
γ 80.0	825.45	1059.56	797.09	315.04	643.37	850.27	653.20	337.05
γ 90.0	569.75	815.20	541.17	24.81	430.31	638.90	430.02	17.00
γ 100.0	391.38	614.24	370.76	49.35	293.35	474.96	288.63	68.17
γ 110.0	249.61	437.94	237.36	38.05	189.56	336.86	182.00	49.38
γ 120.0	173.23	309.16	157.83	31.54	126.11	237.05	129.32	35.08
γ 130.0	119.59	208.11	102.72	25.95	84.60	166.08	90.85	28.15
γ 140.0	83.31	139.48	73.93	22.74	61.20	113.12	64.88	23.56
γ 150.0	57.14	90.04	50.25	19.09	42.63	72.18	45.72	20.67
γ 160.0	38.28	52.60	33.37	18.30	29.63	43.83	31.97	19.36
γ 170.0	26.34	30.54	24.72	19.99	21.90	26.65	23.77	20.48
γ 180.0	20.16	20.16	20.16	20.16	20.16	20.16	20.16	20.16