

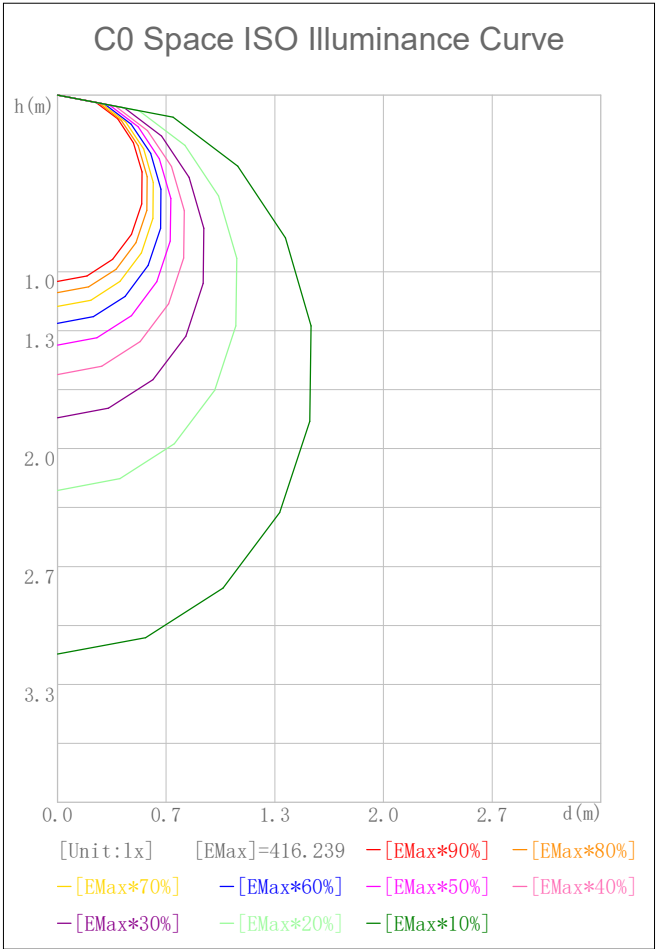
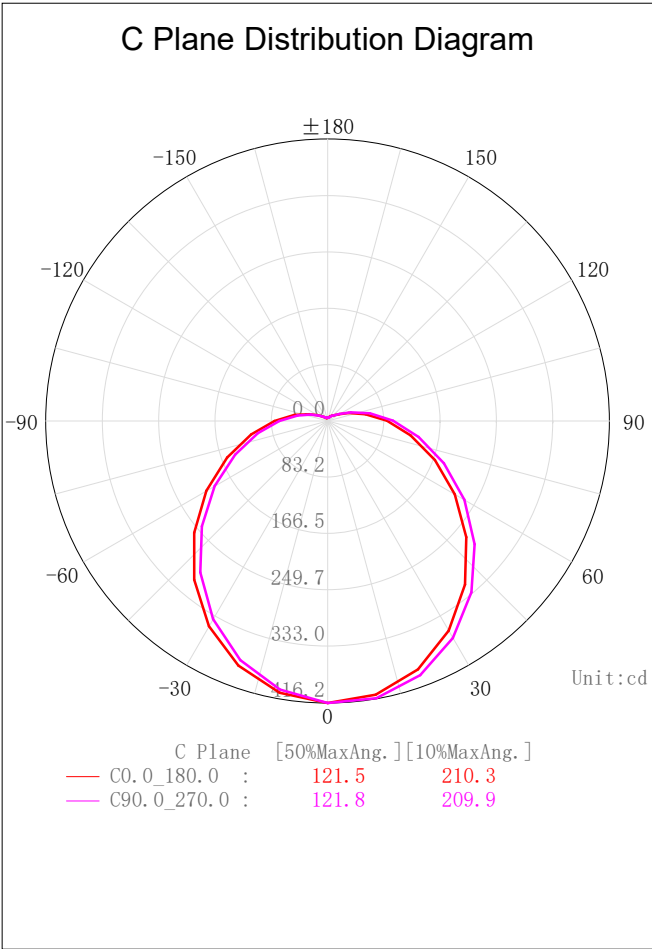
Indoor Luminaire Photometric Data

Description Information

Luminary Name:		Lum. Catelog:	Test ID:
Lamp Name:		Lamp Catelog:	Test Date: 2022/09/30
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H) :0.063m*0.670m*0.073m		Lum. Area (m2) :0.091	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=10.0	Temp. (°C): 25	Humidity(%): 50.0

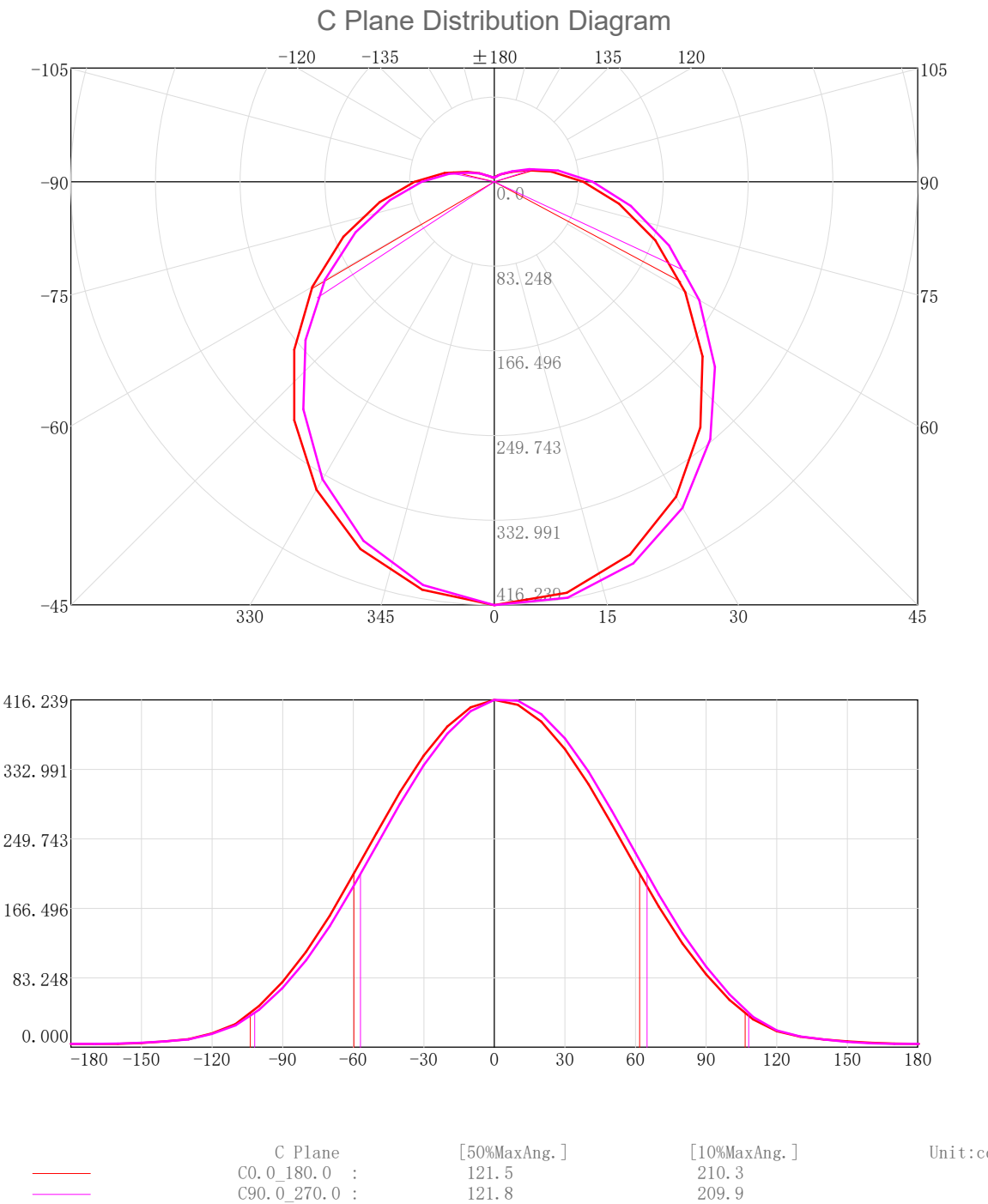
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1980.000	Luminary Flux(lm): 1588.538	Field Angle(10%Imax): 210.3(°)	
Rated Power(W):	Luminary Efficiency: 80.23%	Down Lumens&Percent: 1414.625lm 89.05%	
Rated Voltage(V):	Luminary EER(lm/W): 158.537	Up Lumens&Percent: 173.914lm 10.95%	
Tested Power(W): 10.020	Max. Candela(cd): 416.239	S/MH: C0_a180=1.269 C90_270=1.270	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: General Diffuse	
Tested Electrics(V, A, pf):231.2, 0.052, 0.931		ErP Φuse(120°): 974.137lm	
Lamp Size(W*L*H):0.063m*0.670m*0.073m		IRF(%): 105.788	
		Left=-59.7° ,Right=61.8°	



2D Plane Light Intensity Distribution Curve

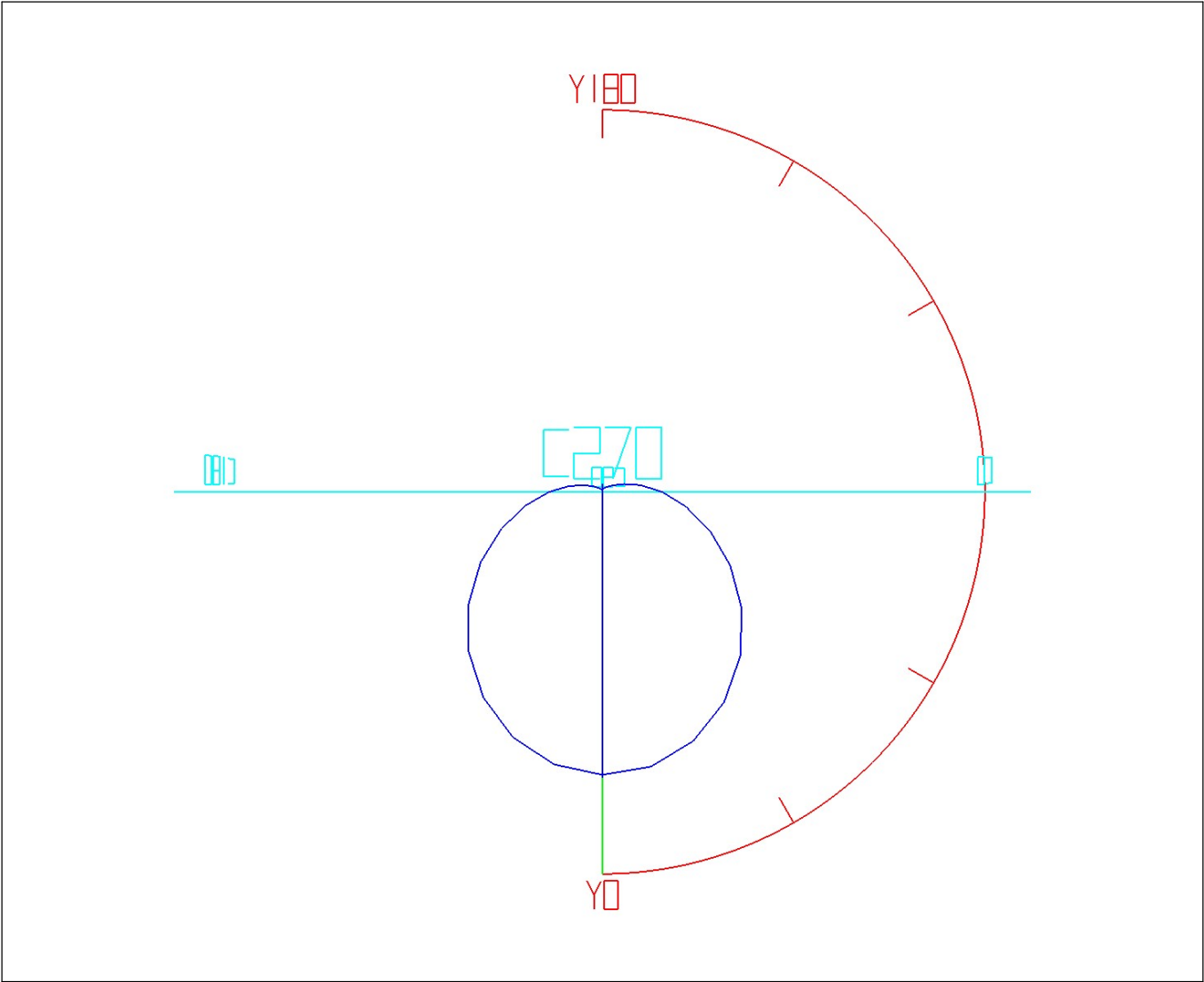
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

3D Light Intensity Distribution Modal



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

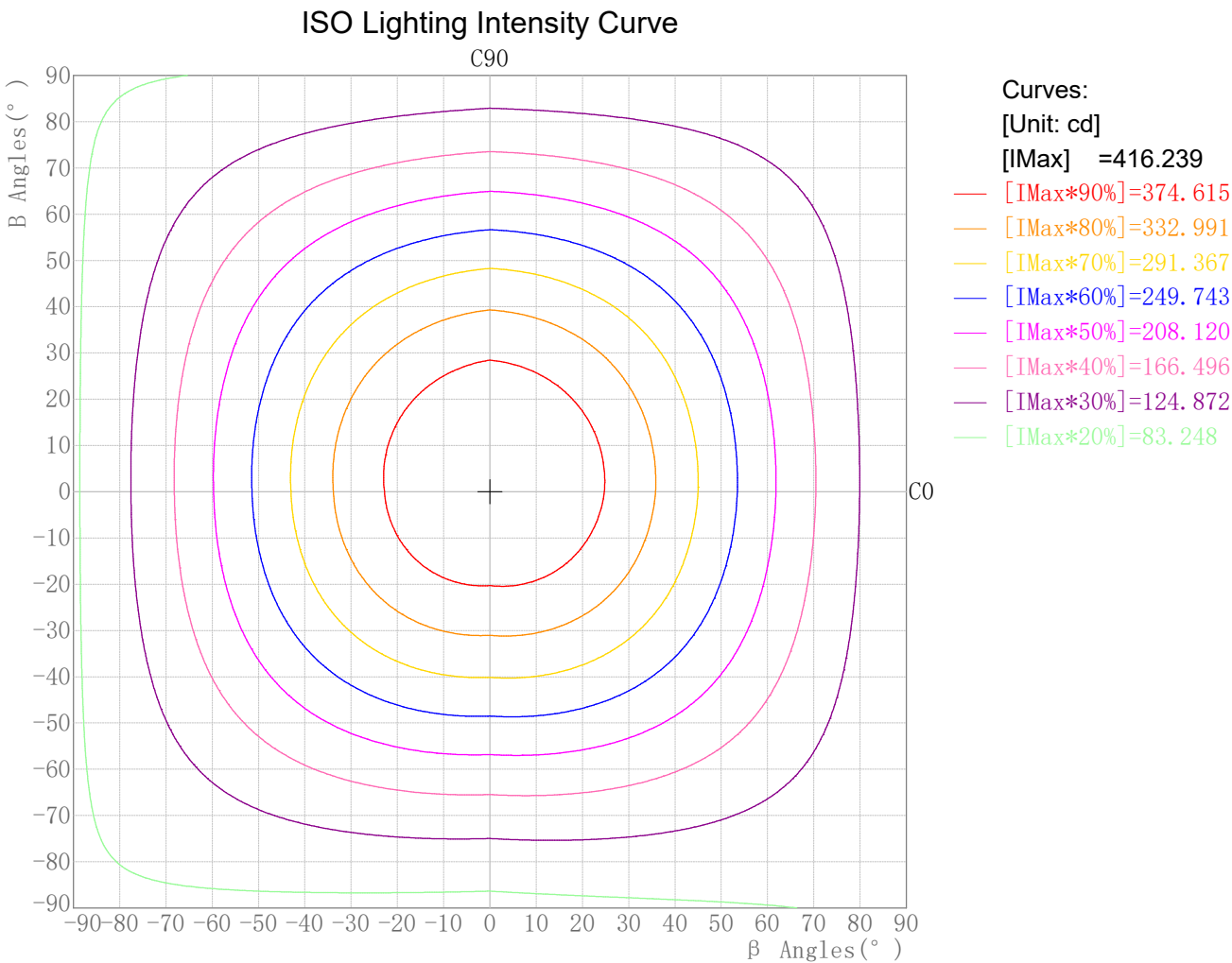
View Angles:Orient:0Tilt:0Roll:0Spin:0

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	39. 38	39. 38	1. 99	1. 99
10. 0-20. 0	112. 85	152. 23	5. 70	7. 69
20. 0-30. 0	171. 51	323. 74	8. 66	16. 35
30. 0-40. 0	208. 76	532. 50	10. 54	26. 89
40. 0-50. 0	221. 99	754. 49	11. 21	38. 11
50. 0-60. 0	212. 86	967. 35	10. 75	48. 86
60. 0-70. 0	186. 45	1153. 80	9. 42	58. 27
70. 0-80. 0	149. 92	1303. 73	7. 57	65. 84
80. 0-90. 0	110. 90	1414. 62	5. 60	71. 45
90. 0-100. 0	74. 85	1489. 47	3. 78	75. 23
100. 0-110. 0	44. 90	1534. 38	2. 27	77. 49
110. 0-120. 0	24. 45	1558. 83	1. 23	78. 73
120. 0-130. 0	13. 24	1572. 07	0. 67	79. 40
130. 0-140. 0	7. 61	1579. 68	0. 38	79. 78
140. 0-150. 0	4. 54	1584. 22	0. 23	80. 01
150. 0-160. 0	2. 58	1586. 79	0. 13	80. 14
160. 0-170. 0	1. 33	1588. 12	0. 07	80. 21
170. 0-180. 0	0. 42	1588. 54	0. 02	80. 23

Rectangle ISO Lighting Intensity Diagram

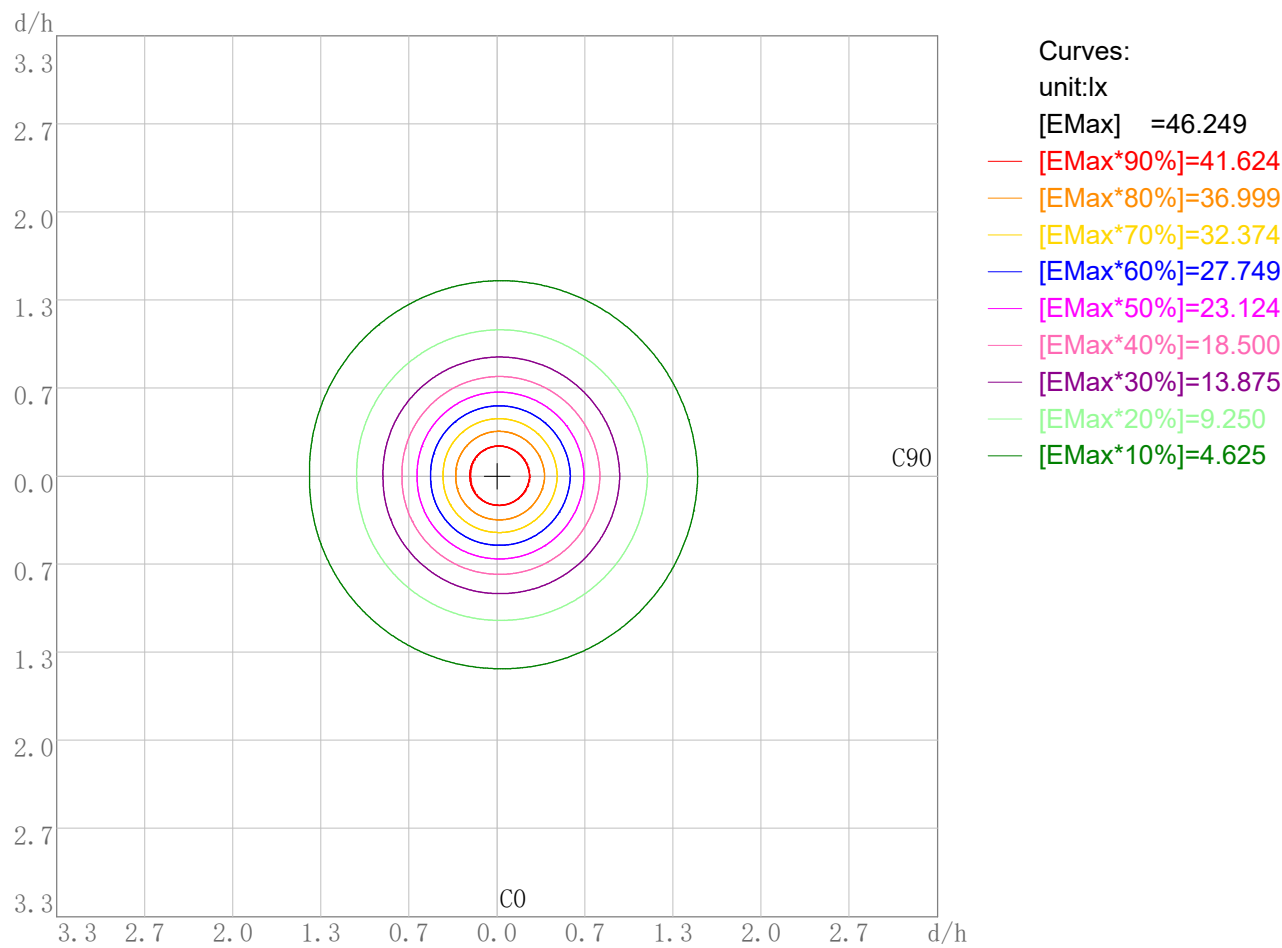
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30



Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

Plane ISO-Illuminance Curve

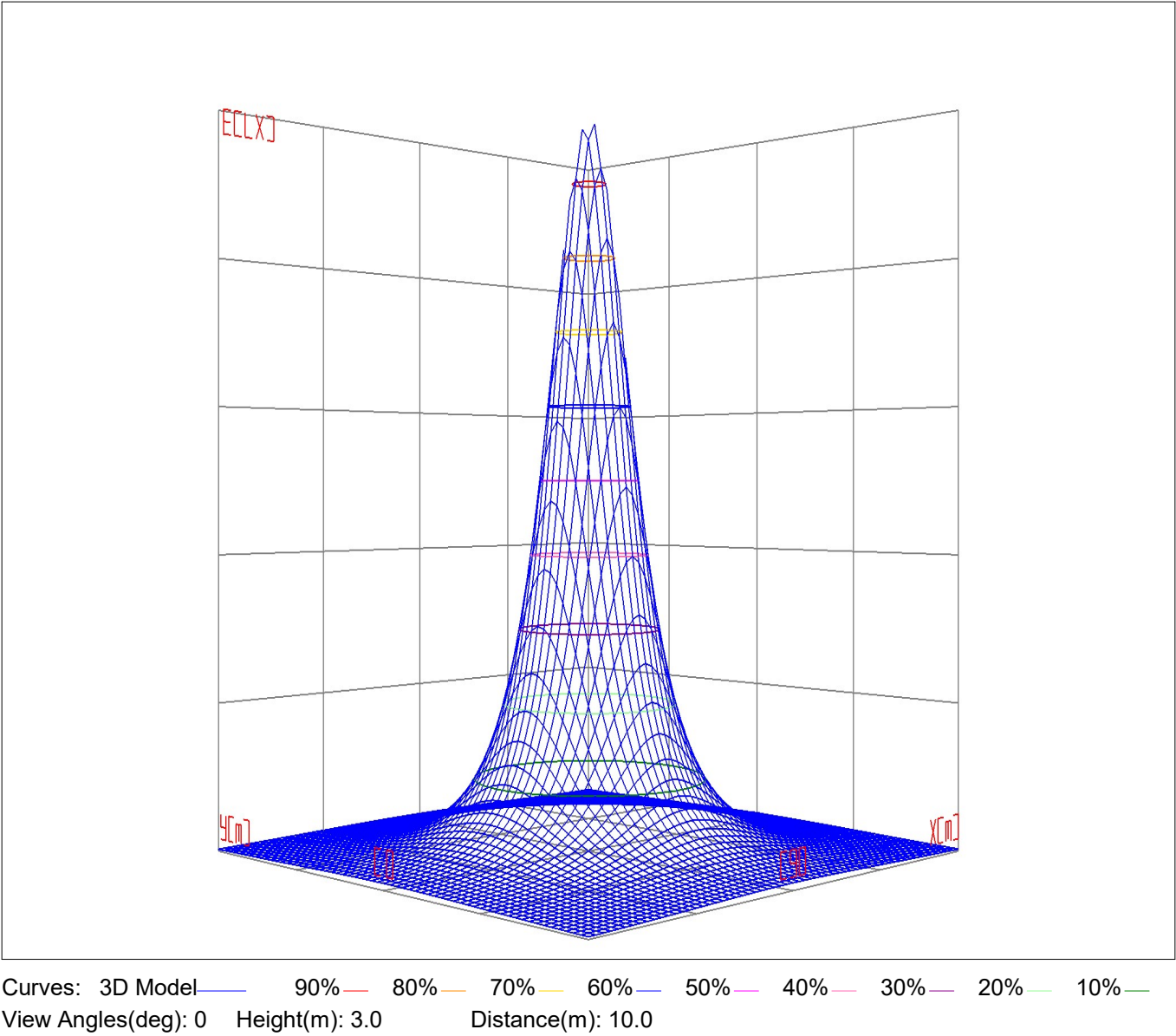


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 46.25
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

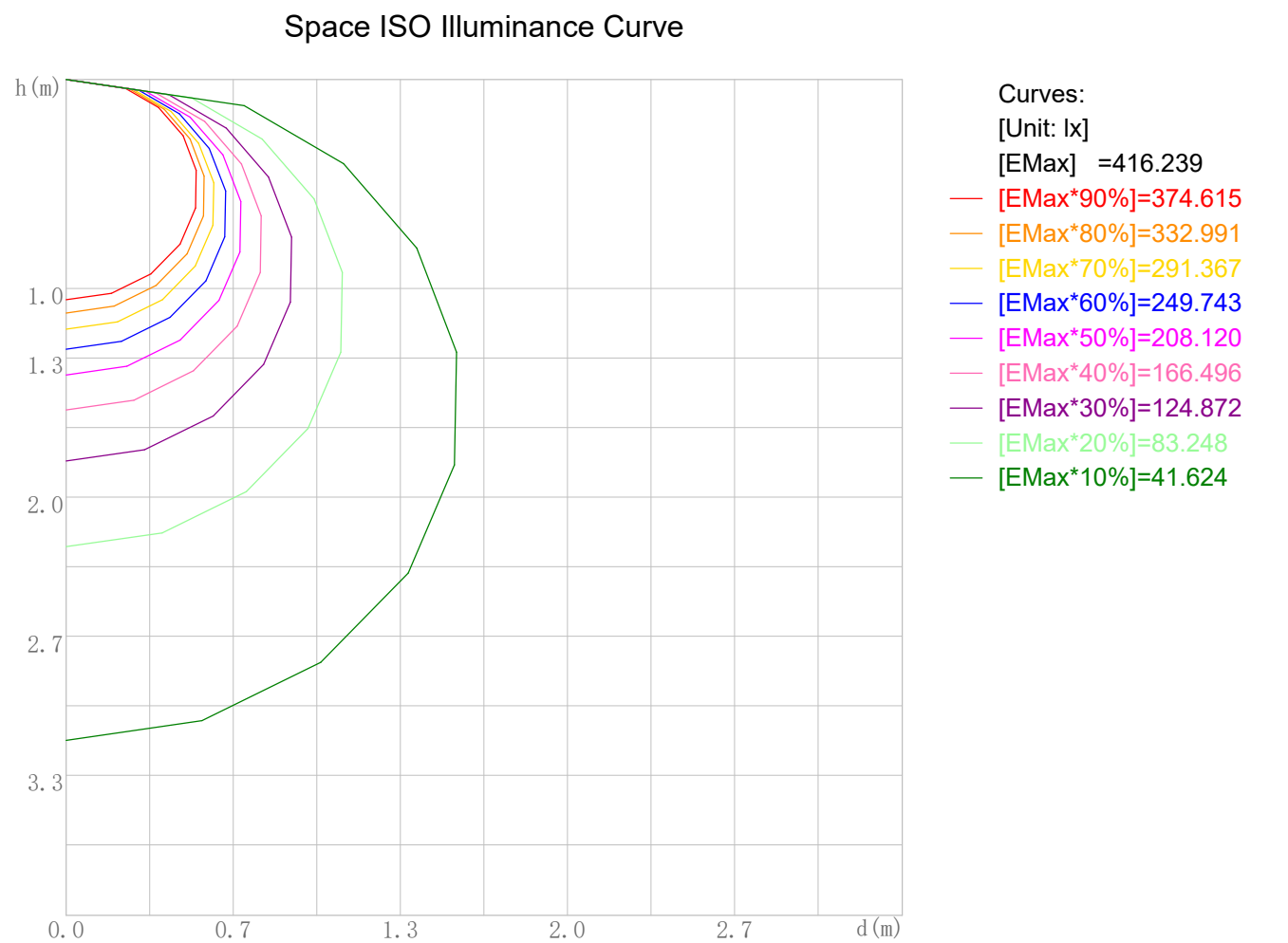
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

3D Plane Illuminance Modal



Space ISO Illuminance Diagram

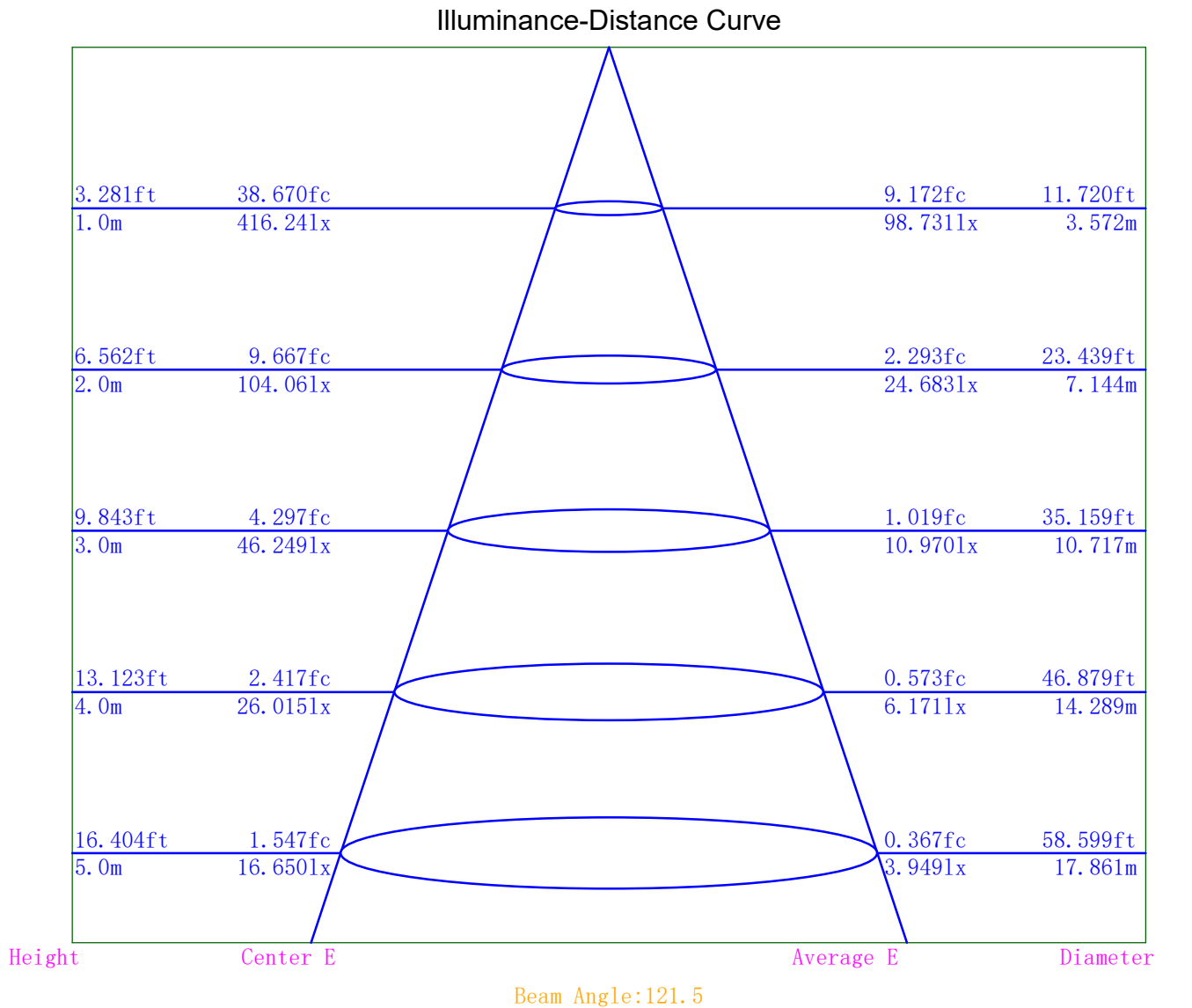
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30



Space Plane Maximum Illuminance and @Angle:416.24lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:416.239cd,0deg

Illuminance-Distance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

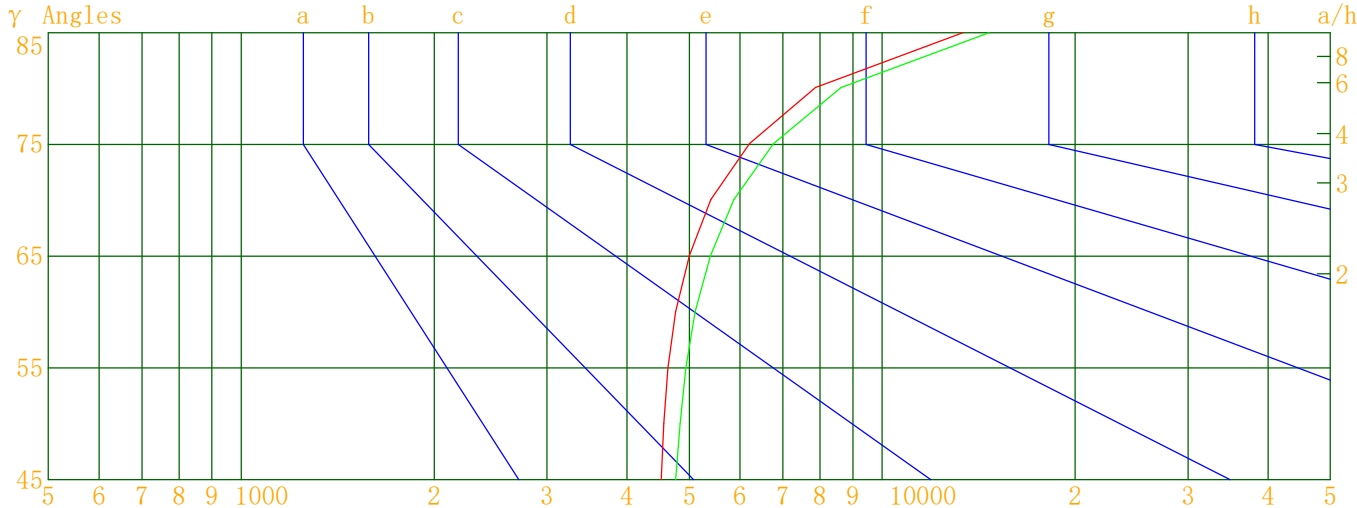
Glare Grade Table

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	4520	4563	4632	4761	5004	5405	6210	7867	13349
C90	4761	4836	4937	5110	5397	5868	6770	8624	14674

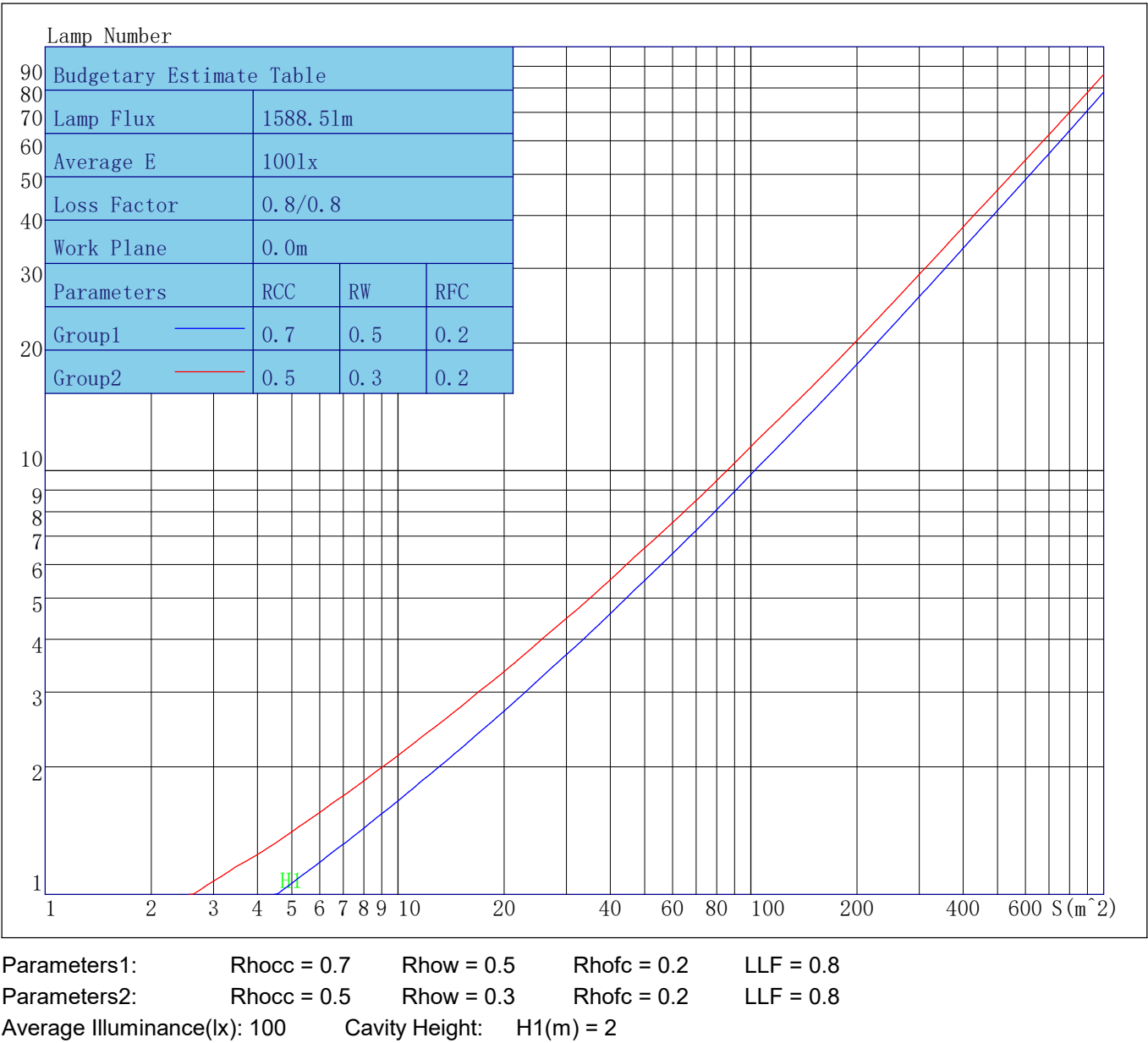
Luminance Limiting Curve



Luminous Size: Length(m)=0.670 Width(m)=0.063 Height(m)=0.073 Area(m^2)=0.091120
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: 2022/09/30



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/30

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	78	74	70	80	76	72	68	71	67	65	66	63	61	62	60	58	55
2	75	67	61	56	72	65	59	54	61	56	52	57	53	49	53	50	47	45
3	68	59	51	46	65	57	50	45	53	47	43	49	45	41	46	42	39	37
4	62	52	44	38	59	50	43	37	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	18	26	21	17	25	20	17	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: 2022/09/30

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	17.7	19.1	18.3	19.6	20.2	18.1	19.4	18.6	20.0	20.6
	20.0	21.2	20.6	21.8	22.4	20.4	21.6	21.0	22.2	22.8
	21.2	22.3	21.8	22.9	23.5	21.7	22.8	22.3	23.4	24.0
	22.5	23.5	23.1	24.1	24.7	23.0	24.0	23.6	24.6	25.2
	23.2	24.2	23.8	24.8	25.4	23.7	24.7	24.3	25.3	25.9
	24.0	24.9	24.6	25.5	26.2	24.6	25.5	25.2	26.1	26.7
X=4H Y=2H	18.7	19.8	19.2	20.3	21.0	19.0	20.1	19.6	20.7	21.3
	21.2	22.1	21.8	22.7	23.3	21.6	22.5	22.2	23.1	23.7
	22.6	23.4	23.2	24.0	24.7	23.0	23.8	23.6	24.4	25.1
	24.1	24.7	24.7	25.3	26.1	24.5	25.2	25.2	25.8	26.5
	24.9	25.5	25.5	26.1	26.8	25.4	26.0	26.0	26.6	27.3
	25.8	26.3	26.5	27.0	27.7	26.3	26.8	27.0	27.5	28.2
X=8H Y=4H	23.2	23.8	23.8	24.4	25.1	23.6	24.2	24.3	24.8	25.5
	25.0	25.4	25.7	26.1	26.8	25.4	25.8	26.1	26.5	27.3
	26.0	26.3	26.7	27.0	27.7	26.5	26.8	27.1	27.5	28.2
	27.1	27.4	27.8	28.1	28.9	27.7	27.9	28.3	28.6	29.4
X=12H Y=4H	23.4	23.8	24.0	24.5	25.2	23.7	24.2	24.4	24.9	25.6
	25.2	25.6	25.9	26.2	27.0	25.7	26.0	26.4	26.6	27.4
	26.4	26.6	27.1	27.3	28.1	26.8	27.0	27.5	27.7	28.5
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	0.1/-0.2					0.1/-0.1				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	5.2					5.3				

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	416.24	416.24	416.24	416.24
γ 10.0	410.39	415.27	407.21	402.60
γ 20.0	390.10	399.29	384.30	375.68
γ 30.0	357.44	370.12	349.60	337.79
γ 40.0	315.23	330.24	306.08	292.02
γ 50.0	267.25	283.27	256.84	242.20
γ 60.0	216.92	232.82	206.59	192.21
γ 70.0	168.45	182.88	157.68	145.14
γ 80.0	124.47	136.45	114.37	104.27
γ 90.0	87.56	96.62	78.22	71.17
γ 100.0	57.05	63.52	49.70	44.95
γ 110.0	33.53	36.48	28.11	26.23
γ 120.0	19.51	20.33	16.87	15.98
γ 130.0	12.78	13.06	9.86	9.69
γ 140.0	9.48	9.44	7.09	7.18
γ 150.0	7.23	6.51	5.23	5.67
γ 160.0	5.70	5.03	4.41	4.74
γ 170.0	4.70	4.39	4.14	4.32
γ 180.0	4.37	4.37	4.37	4.37