

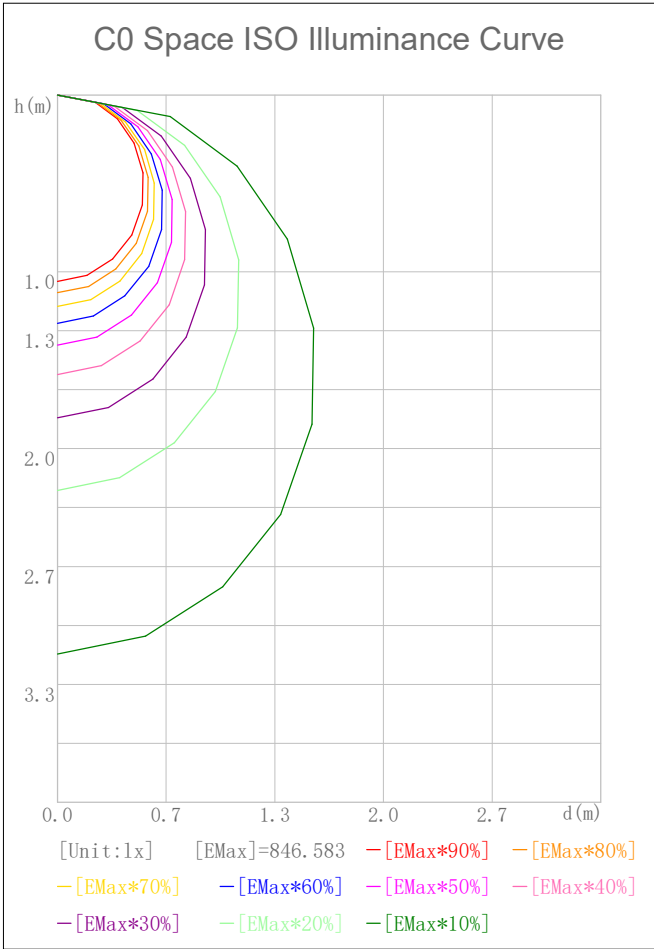
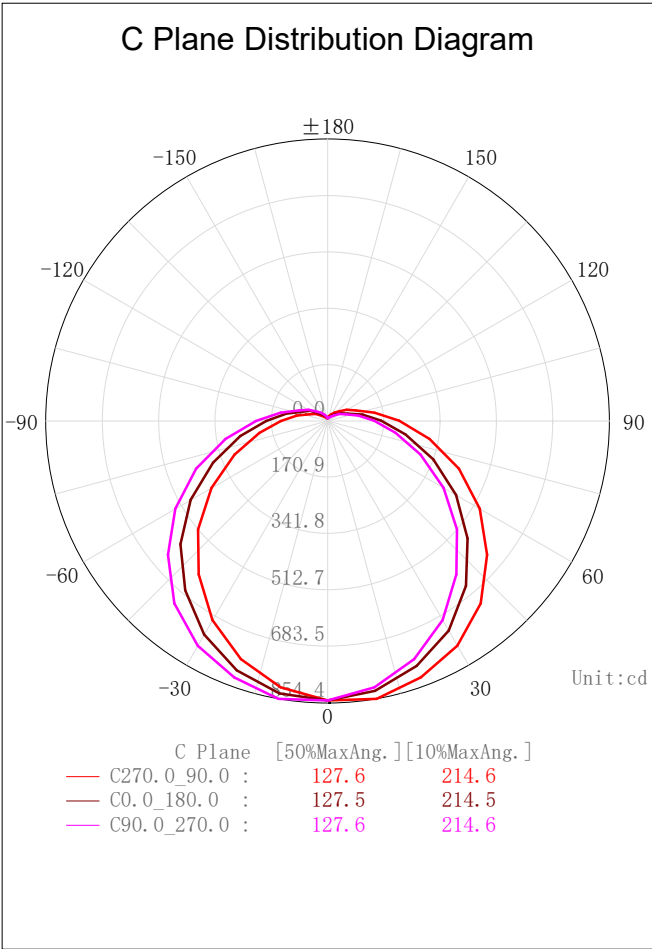
Indoor Luminaire Photometric Data

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*1.520m*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

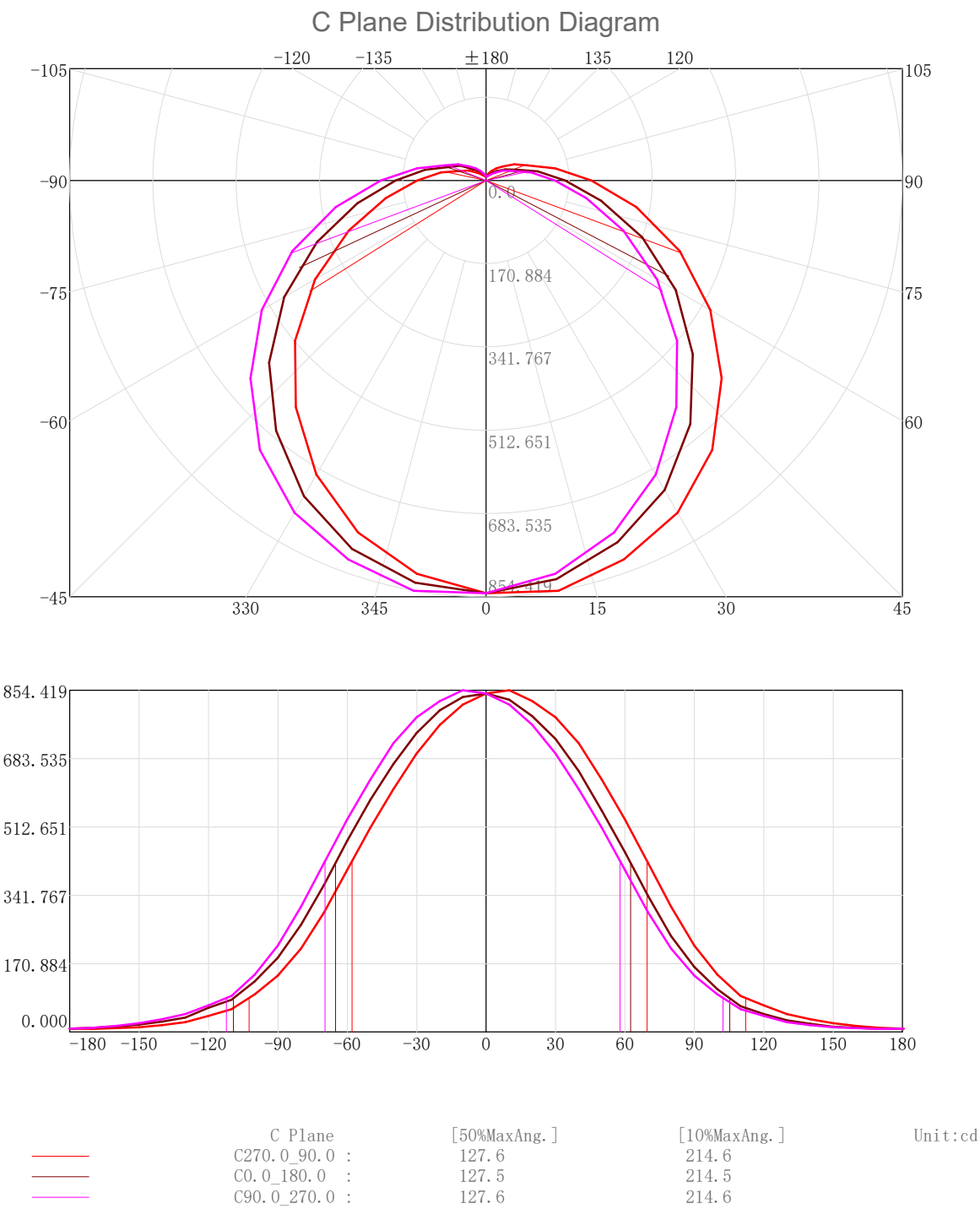
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 4280.000	Luminary Flux(lm): 3432.747	Field Angle(10%Imax): 214.6(°)
Rated Power(W):	Luminary Efficiency: 80.20%	Down Lumens&Percent: 3022.022lm 88.04%
Rated Voltage(V):	Luminary EER(lm/W): 140.975	Up Lumens&Percent: 410.726lm 11.96%
Tested Power(W): 24.350	Max. Candela(cd): 854.419	S/MH: C0_a180=1.306 C90_270=1.308
Lamps' Inside: 1	Max Cand@Ang. (°): C=270.0 γ=10.0	CIE Type: General Diffuse
Tested Electrics(V, A, pf): 231.3, 0.112, 0.936	Beam Angle(50%Imax): 127.6(°)	ErP Φuse(120°): 2029.353lm
Lamp Size(W*L*H): 0.063m*1.520m*0.073m	Left=-57.9°, Right=69.6°	IRF(%): 103.545



2D Plane Light Intensity Distribution Curve

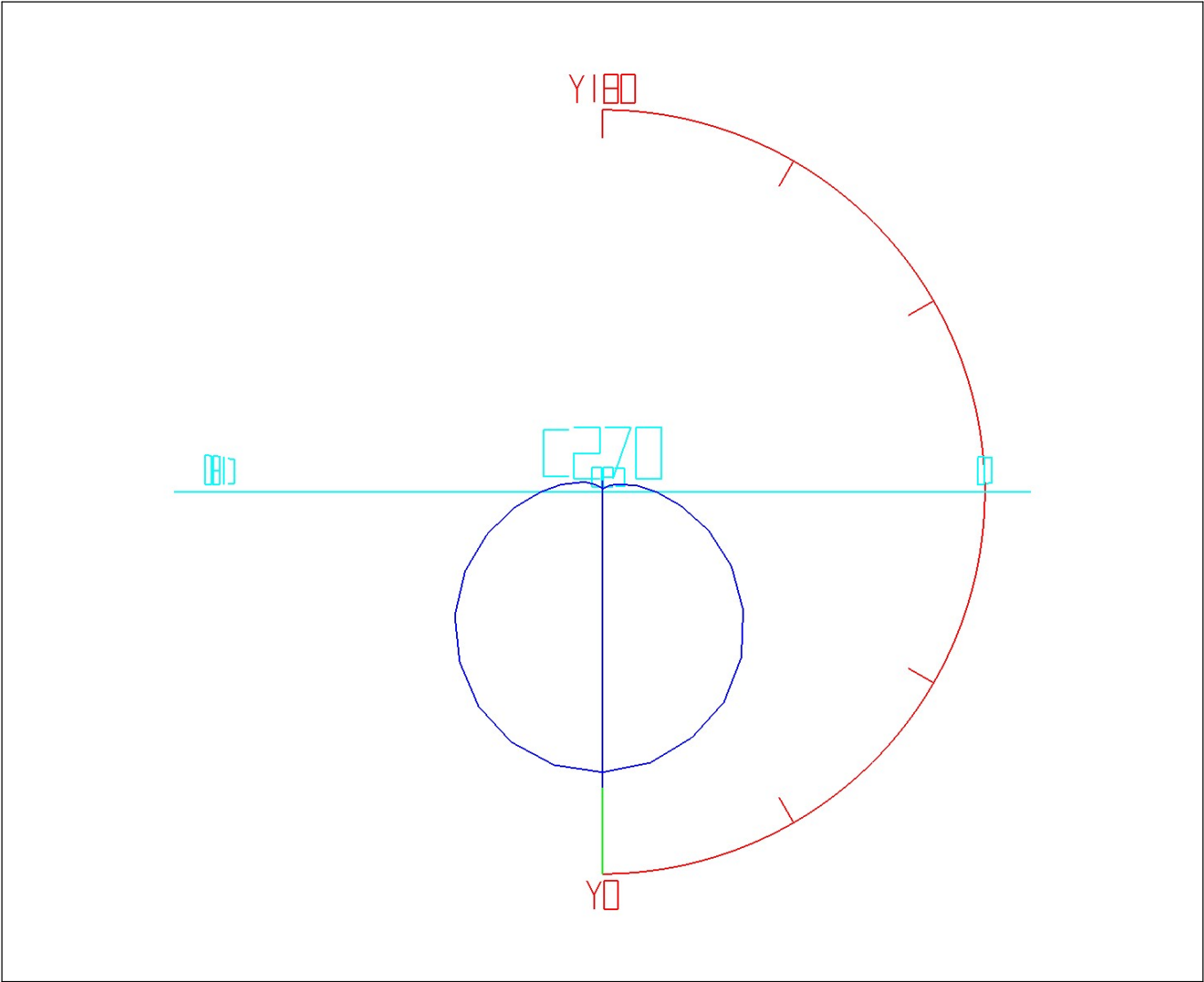
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



3D Light Intensity Distribution Modal

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

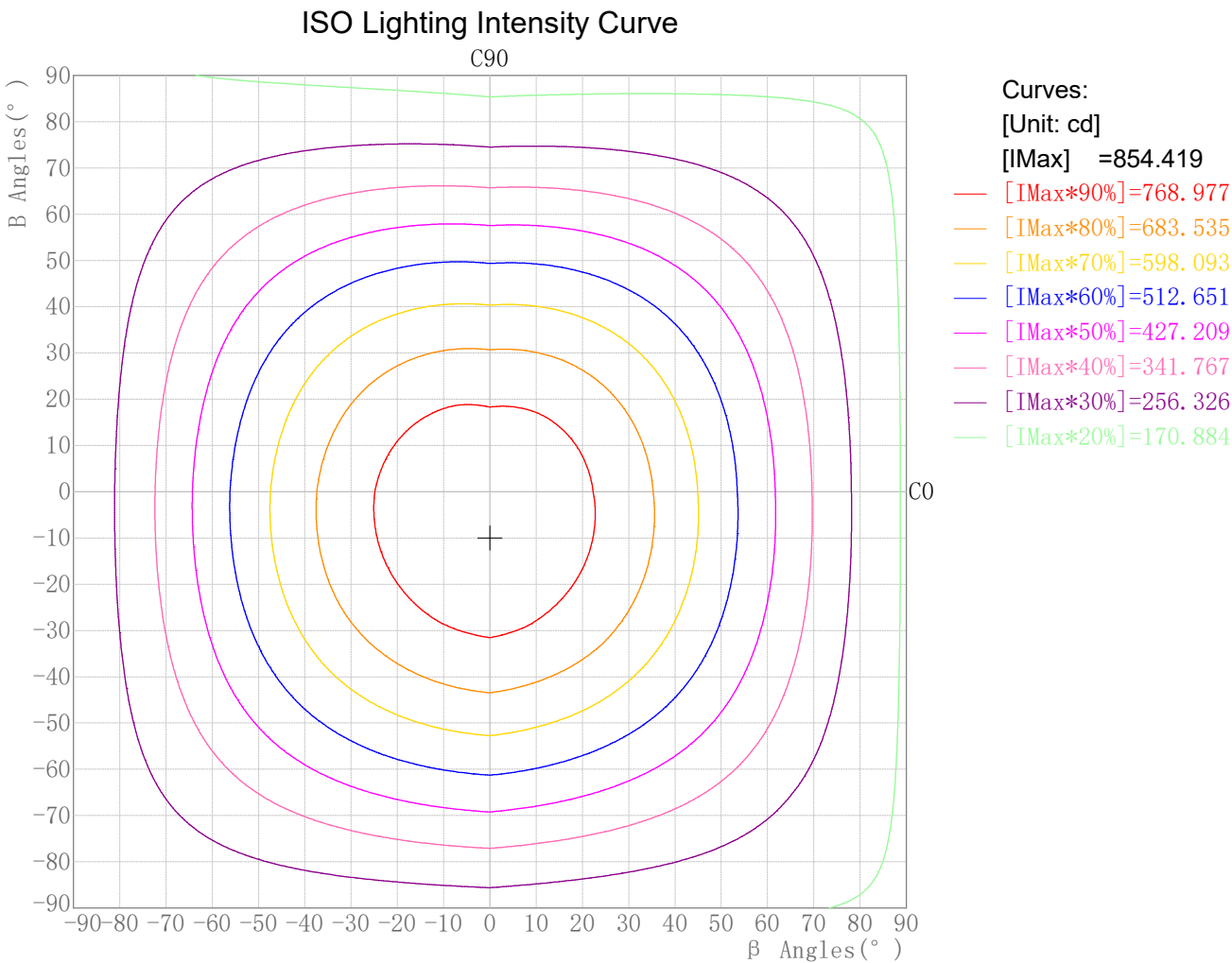
View Angles:Orient:0Tilt:0Roll:0Spin:0

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	80. 28	80. 28	1. 88	1. 88
10. 0-20. 0	231. 40	311. 68	5. 41	7. 28
20. 0-30. 0	355. 99	667. 66	8. 32	15. 60
30. 0-40. 0	440. 92	1108. 59	10. 30	25. 90
40. 0-50. 0	477. 18	1585. 77	11. 15	37. 05
50. 0-60. 0	464. 61	2050. 38	10. 86	47. 91
60. 0-70. 0	409. 20	2459. 57	9. 56	57. 47
70. 0-80. 0	325. 72	2785. 29	7. 61	65. 08
80. 0-90. 0	236. 73	3022. 02	5. 53	70. 61
90. 0-100. 0	160. 77	3182. 79	3. 76	74. 36
100. 0-110. 0	101. 38	3284. 17	2. 37	76. 73
110. 0-120. 0	62. 92	3347. 09	1. 47	78. 20
120. 0-130. 0	39. 23	3386. 32	0. 92	79. 12
130. 0-140. 0	22. 61	3408. 92	0. 53	79. 65
140. 0-150. 0	12. 94	3421. 86	0. 30	79. 95
150. 0-160. 0	6. 85	3428. 72	0. 16	80. 11
160. 0-170. 0	3. 16	3431. 88	0. 07	80. 18
170. 0-180. 0	0. 87	3432. 75	0. 02	80. 20

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



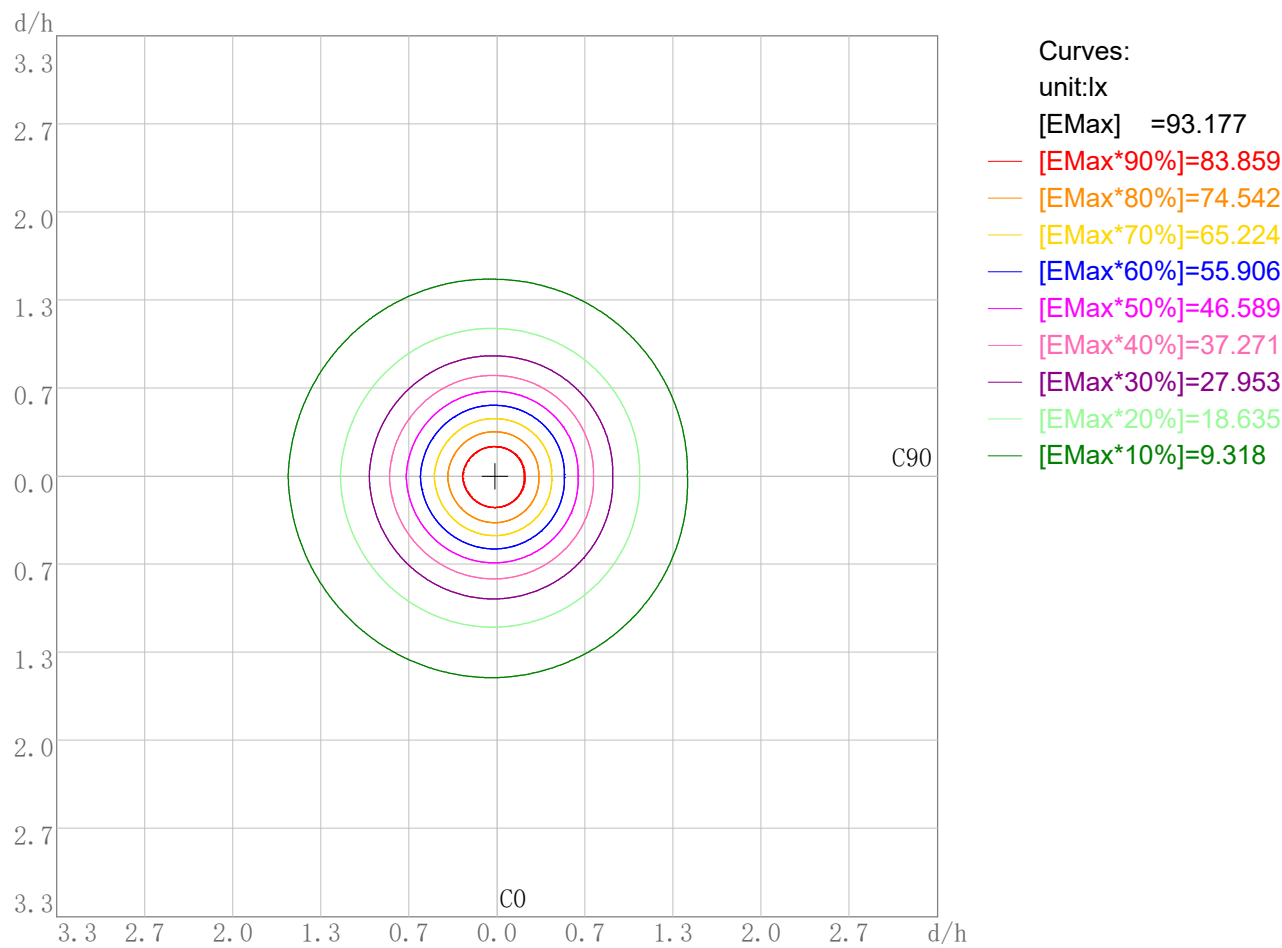
Maximum Light Intensity(cd): 854.42

Maximum Cand.@Angle: H=-0.0°,V=-10.0°

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

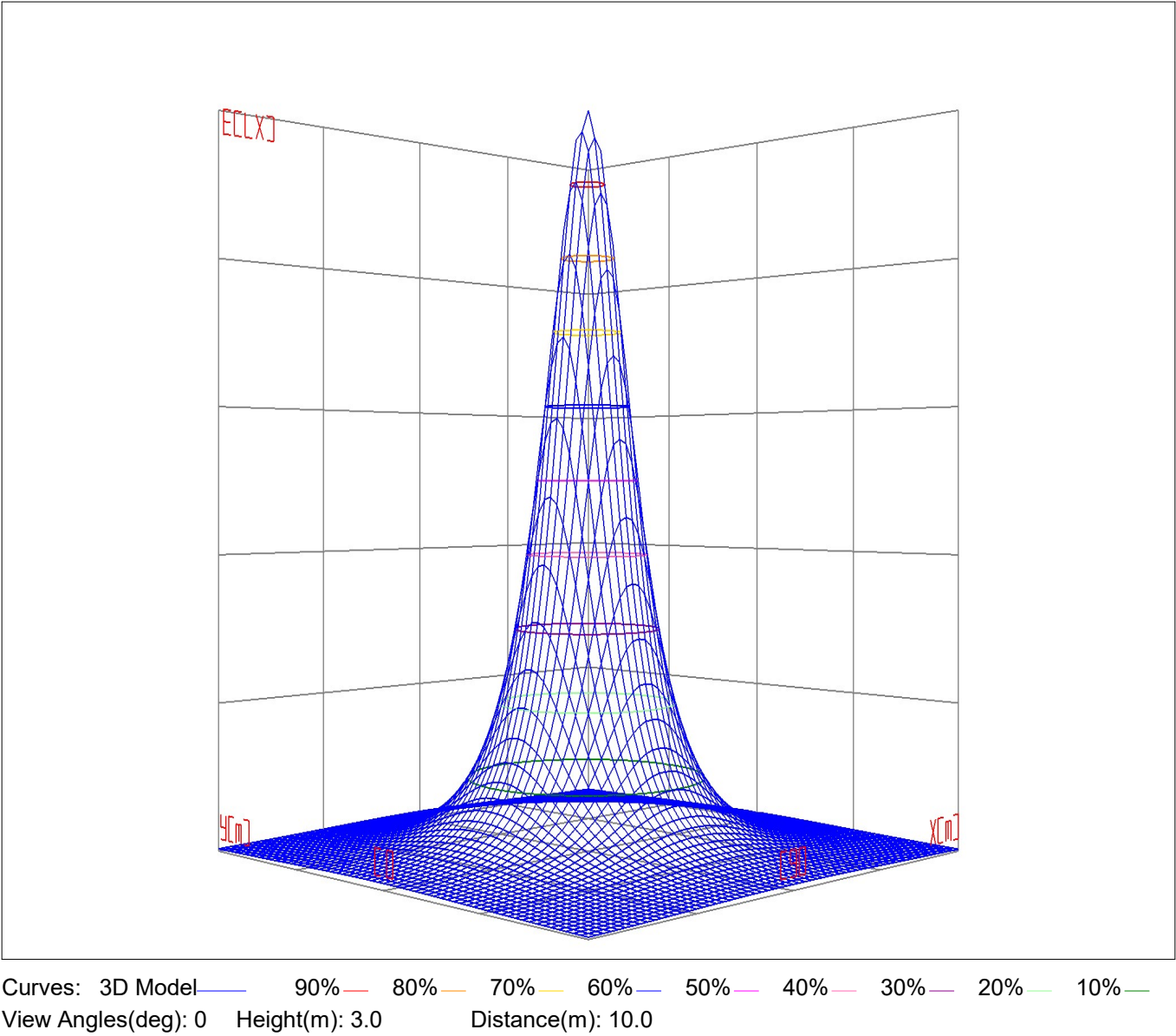


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 93.18
Working Plane Maximum Illuminance Position(d/h):H-0.0 V-0.0

3D Plane ISO Illuminance Diagram

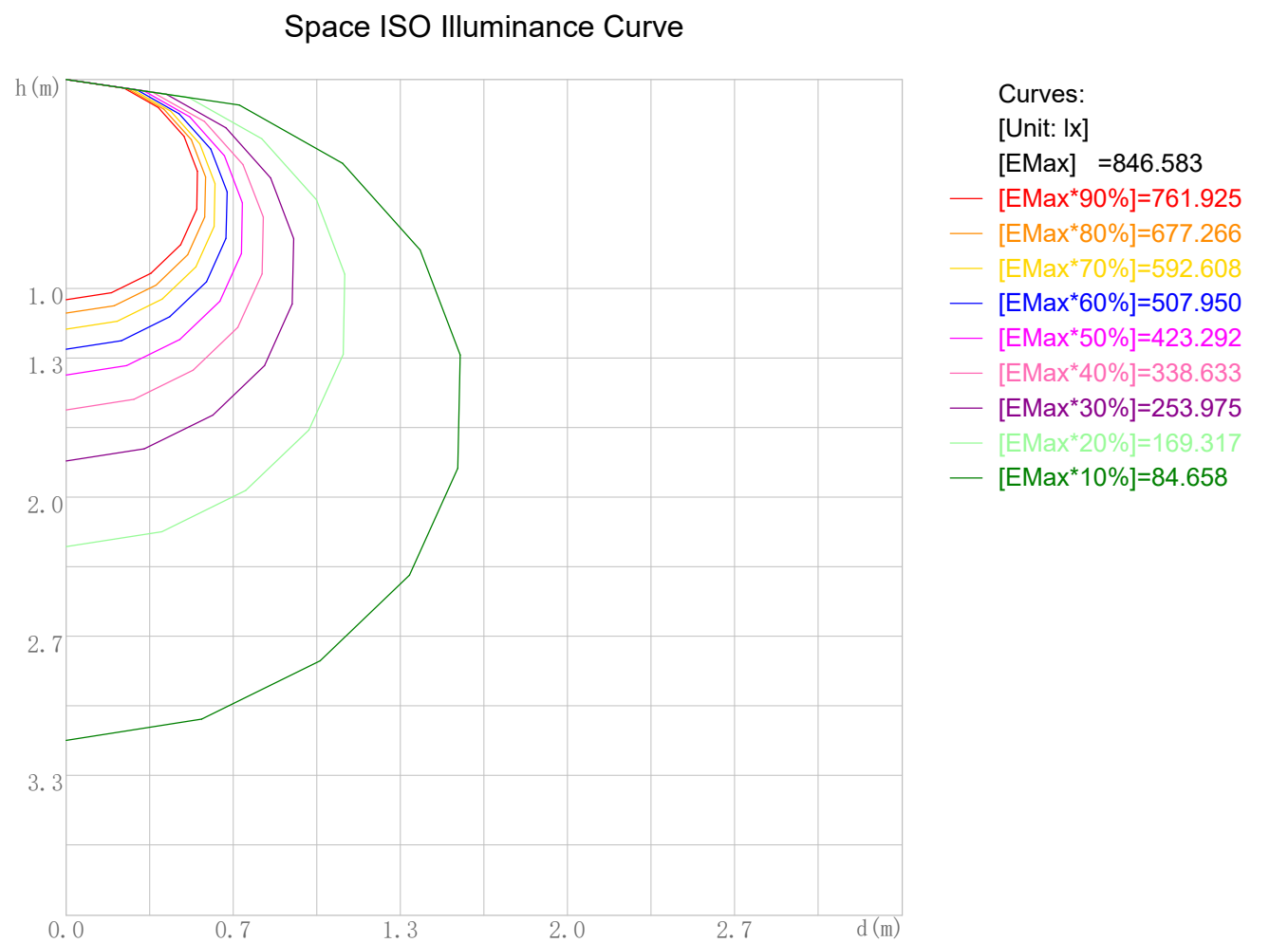
Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27

3D Plane Illuminance Modal



Space ISO Illuminance Diagram

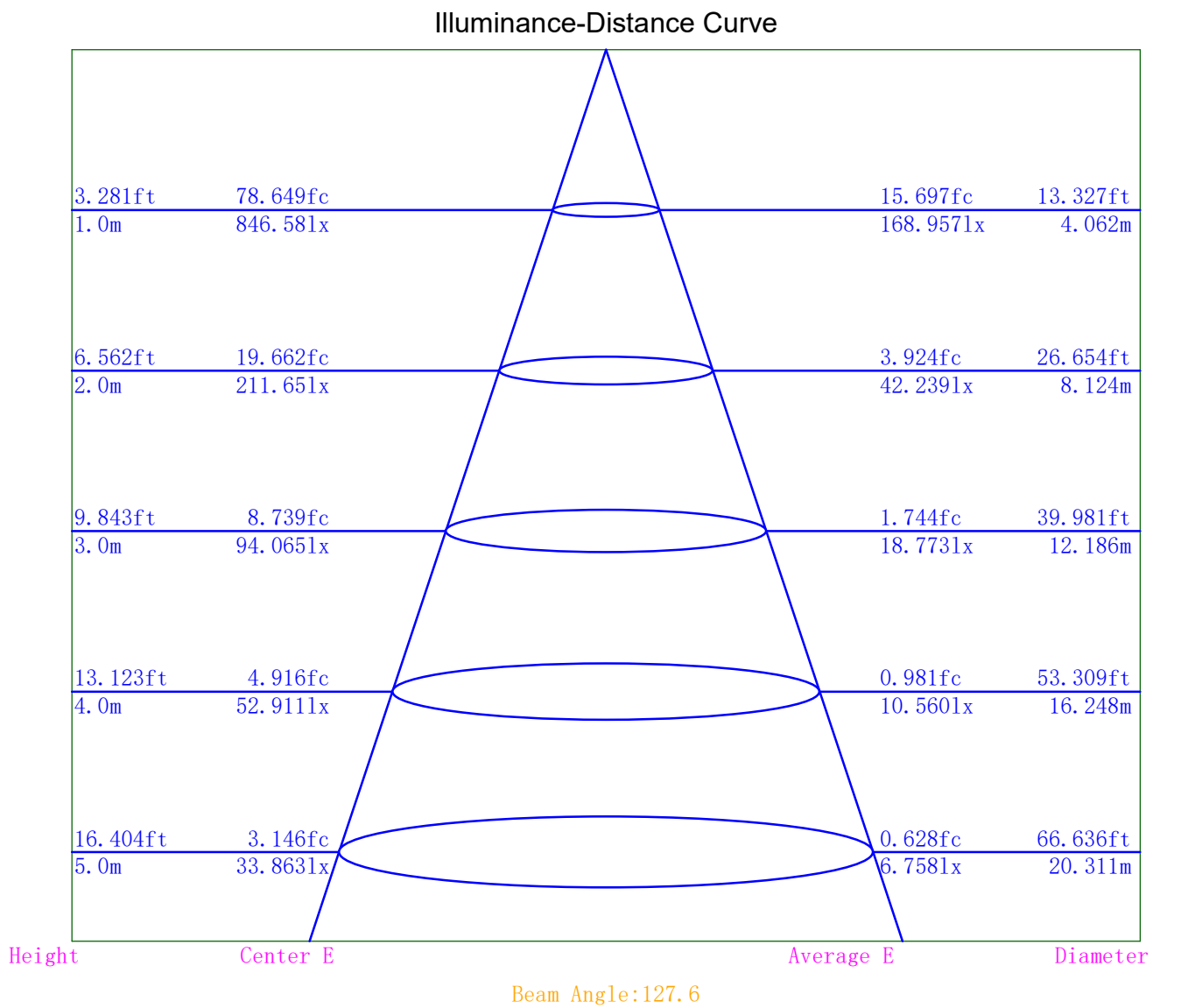
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2022/09/27



Space Plane Maximum Illuminance and @Angle:846.58lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:846.583cd,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

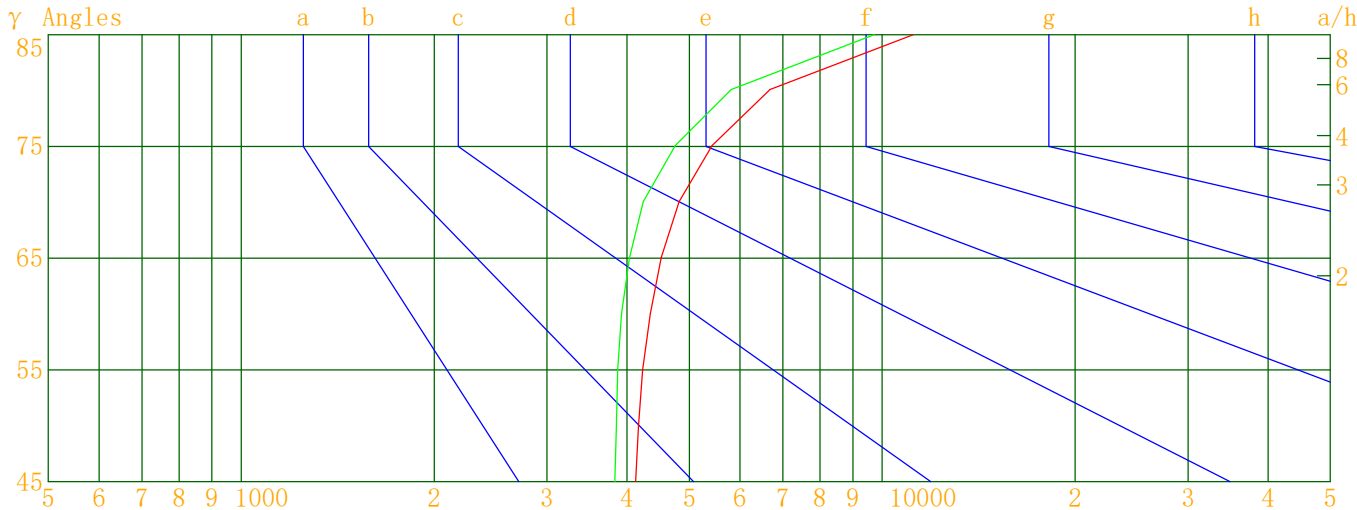
Glare Grade Table

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	4126	4169	4232	4349	4524	4822	5428	6684	11171
C90	3827	3850	3867	3922	4036	4241	4754	5819	9716

Luminance Limiting Curve



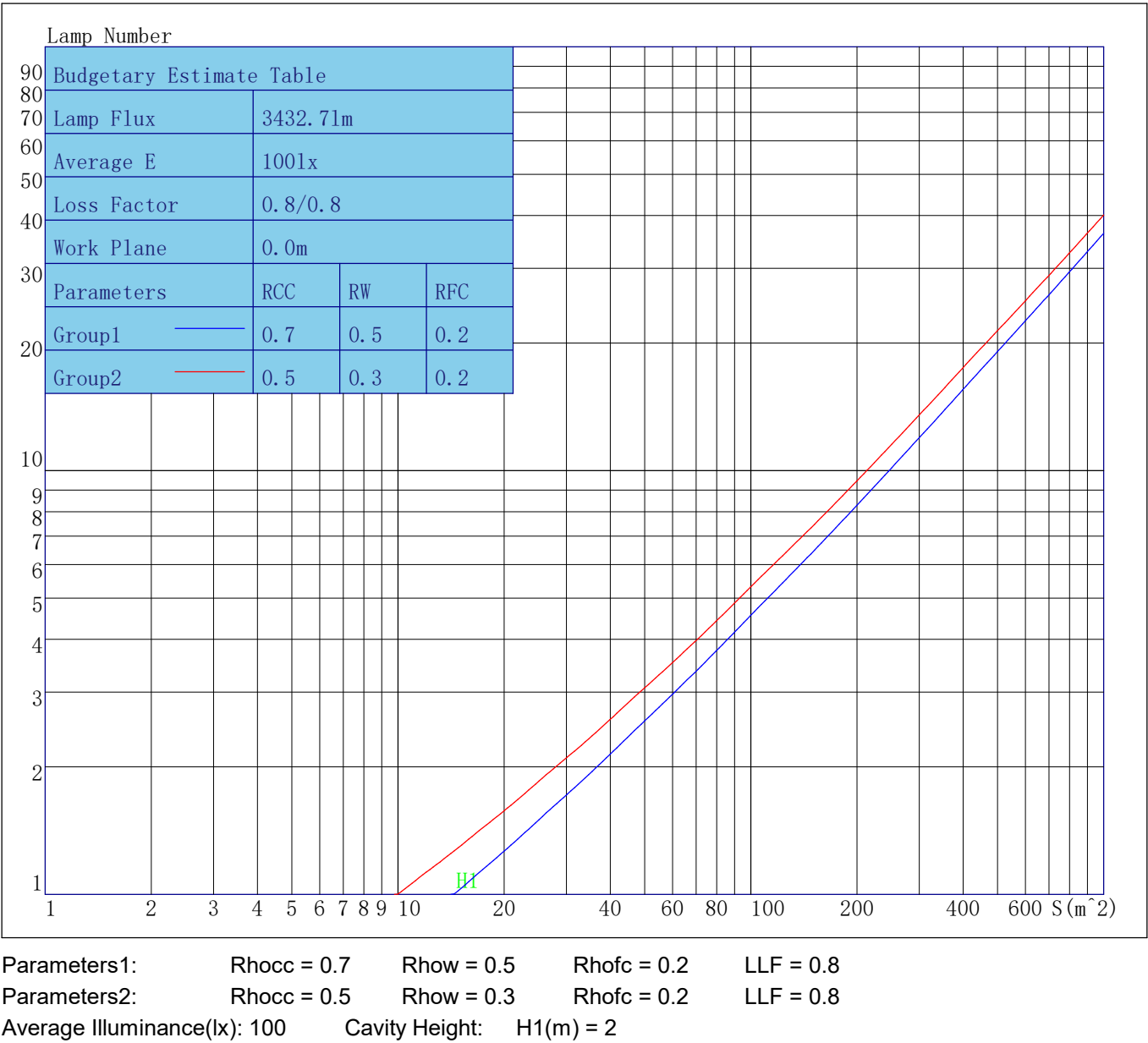
Luminous Size: Length(m)=1.520 Width(m)=0.063 Height(m)=0.073 Area(m^2)=0.206720

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



Indoor Coefficient of Utilization Table

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

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	65	63	60	61	59	57	55
2	75	67	61	55	71	65	59	54	60	55	51	56	52	49	52	49	46	44
3	67	58	51	45	65	56	50	44	52	47	42	49	44	40	45	42	38	36
4	62	51	44	38	59	49	42	37	46	40	35	43	38	34	40	36	32	30
5	56	45	38	32	54	44	37	32	41	35	30	38	33	29	36	32	28	26
6	52	41	33	28	50	39	32	27	37	31	26	35	29	25	33	28	24	22
7	48	37	29	24	46	36	29	24	34	27	23	32	26	22	30	25	21	20
8	45	33	26	22	43	32	26	21	31	25	20	29	24	20	27	23	19	17
9	42	31	24	19	40	30	23	19	28	22	18	27	21	18	25	21	17	16
10	39	28	22	17	37	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	17.3	18.6	17.8	19.2	19.8	16.8	18.1	17.3	18.7	19.3
	19.5	20.7	20.1	21.3	21.9	18.9	20.1	19.4	20.6	21.3
	20.6	21.8	21.2	22.3	23.0	19.9	21.1	20.5	21.6	22.3
	21.8	22.9	22.4	23.4	24.1	21.1	22.1	21.7	22.7	23.4
	22.5	23.4	23.1	24.0	24.7	21.7	22.7	22.3	23.3	23.9
	23.2	24.1	23.8	24.7	25.4	22.4	23.3	23.0	23.9	24.6
X=4H Y=2H	18.3	19.4	18.8	19.9	20.6	17.8	18.9	18.3	19.4	20.1
	20.7	21.6	21.3	22.2	22.9	20.1	21.0	20.7	21.6	22.3
	22.0	22.8	22.6	23.4	24.1	21.3	22.1	22.0	22.8	23.5
	23.4	24.1	24.0	24.7	25.4	22.7	23.3	23.3	24.0	24.7
	24.1	24.7	24.8	25.4	26.1	23.4	24.0	24.0	24.6	25.4
	25.0	25.5	25.7	26.2	26.9	24.2	24.7	24.9	25.4	26.1
X=8H Y=4H	22.6	23.2	23.3	23.9	24.6	22.0	22.6	22.6	23.2	24.0
	24.3	24.7	25.0	25.4	26.2	23.6	24.0	24.3	24.7	25.5
	25.2	25.6	25.9	26.3	27.0	24.5	24.9	25.2	25.6	26.3
	26.3	26.6	27.0	27.3	28.1	25.6	25.8	26.3	26.5	27.3
X=12H Y=4H	22.8	23.3	23.5	24.0	24.7	22.2	22.7	22.8	23.3	24.1
	24.6	24.9	25.3	25.6	26.4	23.9	24.2	24.6	24.9	25.7
	25.6	25.9	26.3	26.6	27.4	24.9	25.2	25.6	25.8	26.7
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.2/-0.2				
S=1.5H	0.2/-0.3					0.2/-0.3				
S=2.0H	0.2/-0.2					0.2/-0.3				
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	C90.0	C180.0	C270.0
γ 0.0	846.58	846.58	846.58	846.58
γ 10.0	830.54	818.95	837.70	854.42
γ 20.0	789.72	768.00	804.11	827.10
γ 30.0	733.14	696.41	747.61	786.70
γ 40.0	652.15	607.19	670.16	721.73
γ 50.0	553.99	511.56	581.13	631.37
γ 60.0	449.51	405.35	478.32	531.66
γ 70.0	340.89	299.87	369.11	423.21
γ 80.0	239.92	208.89	267.90	313.30
γ 90.0	162.63	141.21	185.66	216.28
γ 100.0	107.68	94.24	126.93	144.15
γ 110.0	64.85	57.22	80.79	90.80
γ 120.0	45.39	40.77	60.53	66.73
γ 130.0	30.00	24.93	36.33	45.12
γ 140.0	20.75	17.46	26.47	32.44
γ 150.0	13.82	12.38	18.90	22.58
γ 160.0	11.06	9.83	14.04	15.81
γ 170.0	8.40	8.41	10.85	10.88
γ 180.0	8.54	8.54	8.54	8.54