

Indoor Luminaire Photometric Data

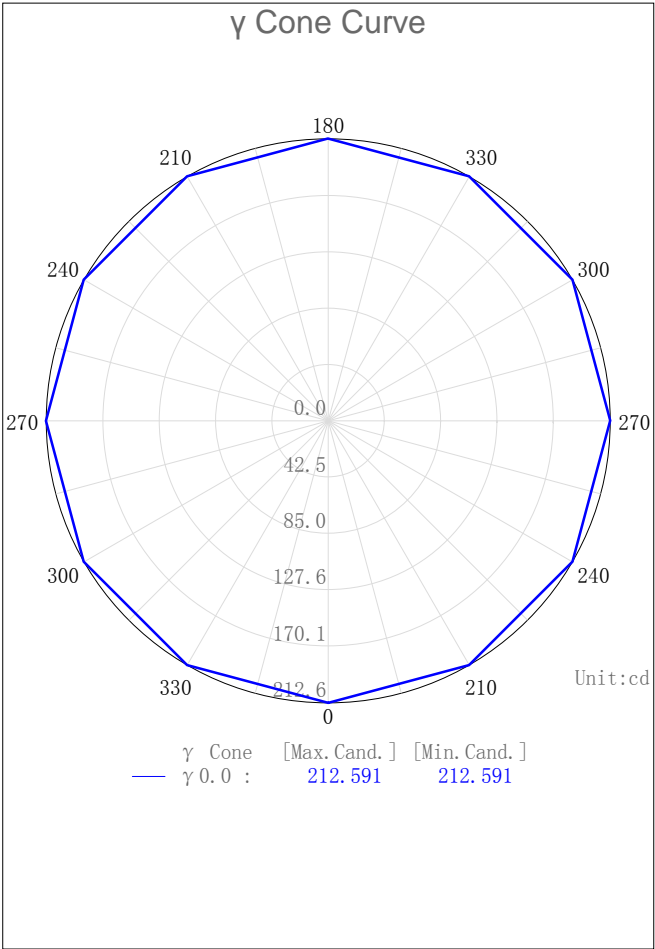
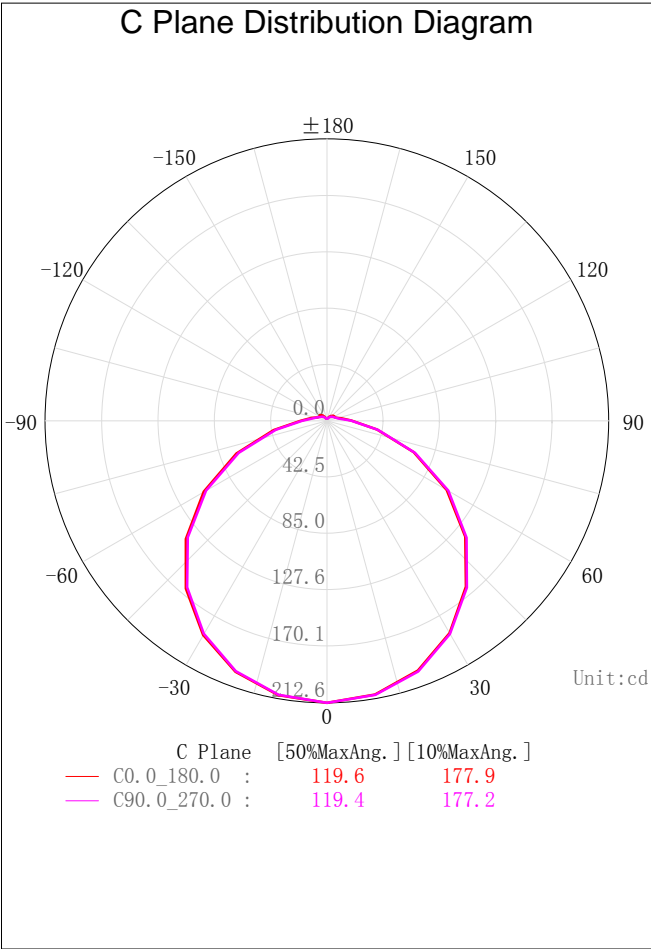
Description Information

Luminary Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Date: 2023/04/24
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.340m*0.340m*0.078m	Lum. Area (m2):0.142	Lum. W (kg): 1.000
Test System: C, γ	Test Step: C=30.0 γ=10.0	Temp. (°C): 25
		Humidity (%): 50.0

Character Parameter

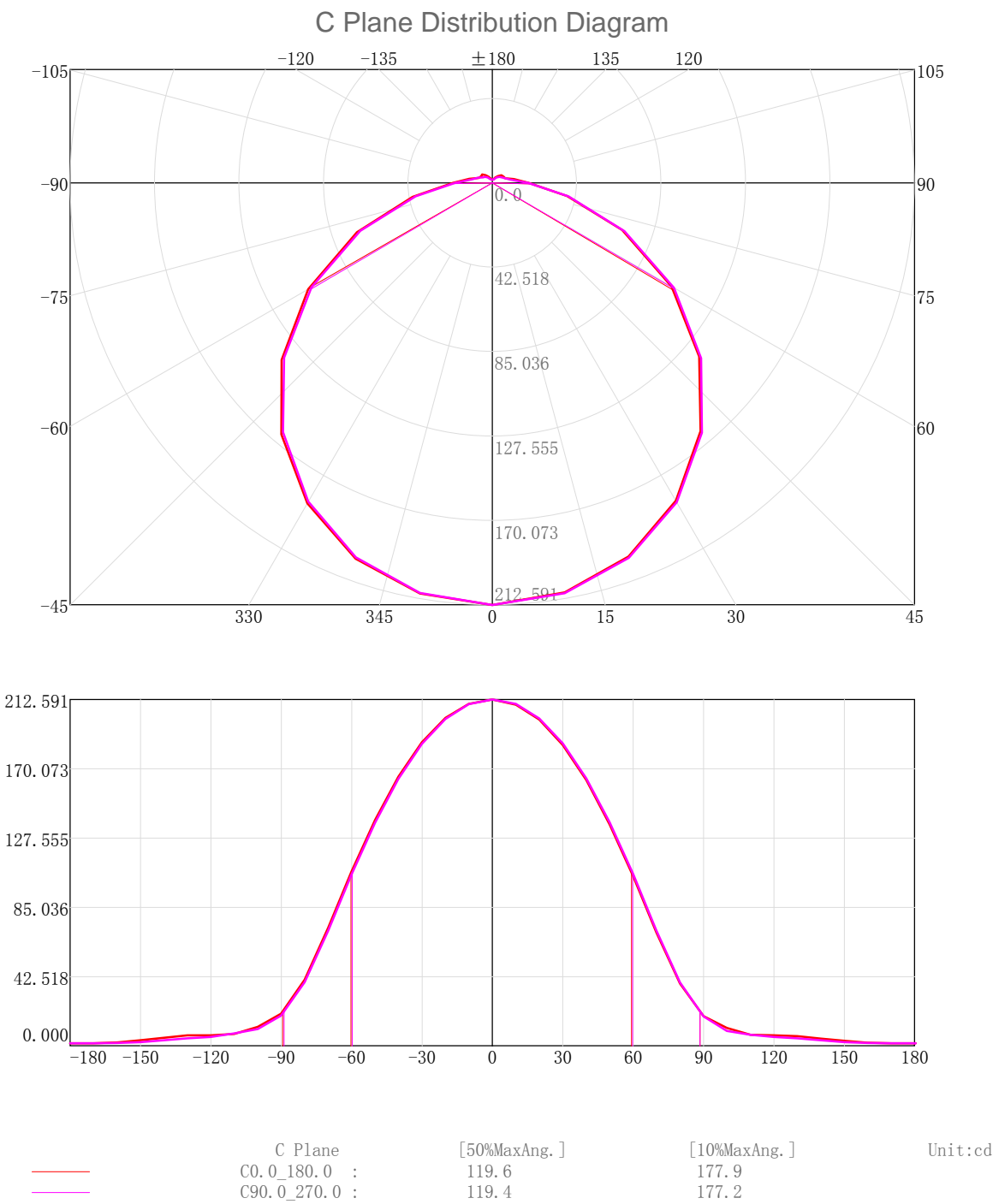
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 750.000	Luminary Flux(lm): 726.925	Field Angle(10%Imax): 177.9(°)
Rated Power(W):	Luminary Efficiency: 96.92%	Down Lumens&Percent: 680.687lm 93.64%
Rated Voltage(V):	Luminary EER(lm/W): 112.894	Up Lumens&Percent: 46.239lm 6.36%
Tested Power(W): 6.439	Max. Candela(cd): 212.591	S/MH: C0_a180=1.301 C90_270=1.301
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):229.3, 0.035, 0.797	Beam Angle(50%Imax): 119.6(°)	ErP Φuse(120°): 503.117lm
Lamp Size (W*L*H):0.340m*0.340m*0.078m	Left=-60.2°, Right=59.4°	IRF (%): 103.128

Lighting Distribution Diagram



2D Plane Light Intensity Distribution Curve

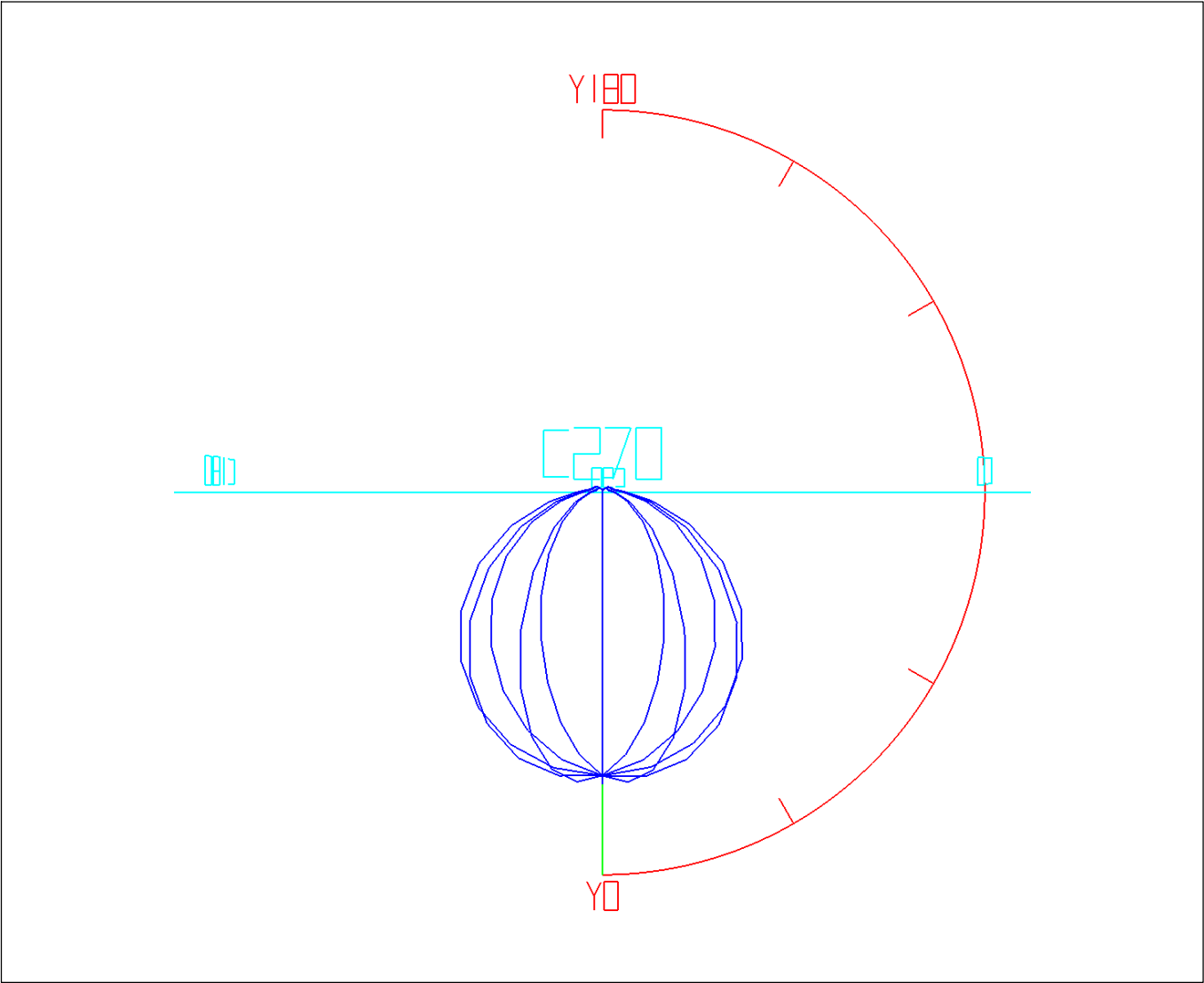
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Lamp Name:	Lamp Catalog: LED	Test Lab:
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3D Light Intensity Distribution Modal

Lum. Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
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3D Light Intensity Distribution Modal



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

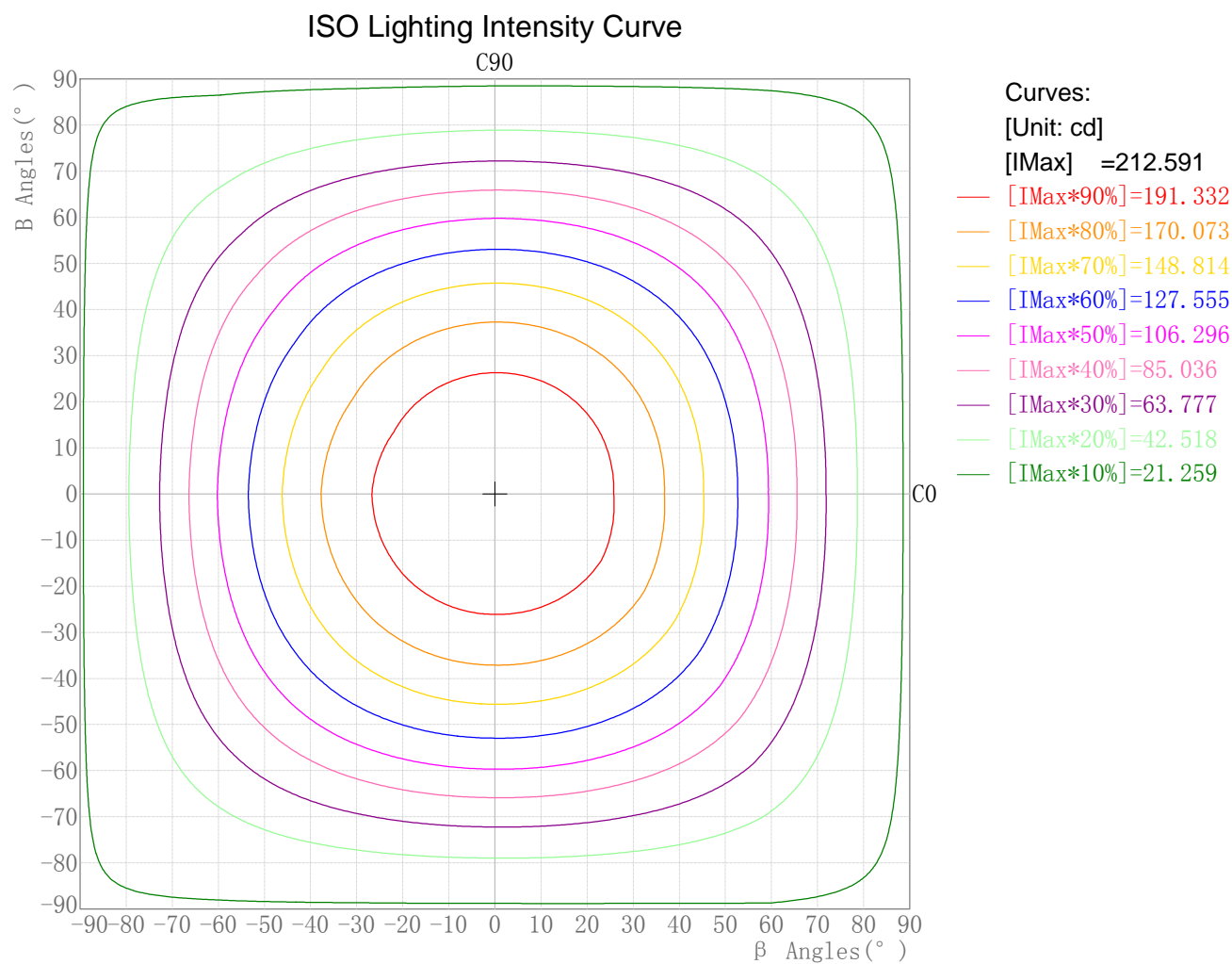
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	20. 16	20. 16	2. 69	2. 69
10. 0-20. 0	58. 20	78. 36	7. 76	10. 45
20. 0-30. 0	89. 44	167. 79	11. 92	22. 37
30. 0-40. 0	109. 84	277. 64	14. 65	37. 02
40. 0-50. 0	116. 69	394. 33	15. 56	52. 58
50. 0-60. 0	108. 89	503. 22	14. 52	67. 10
60. 0-70. 0	87. 57	590. 79	11. 68	78. 77
70. 0-80. 0	58. 28	649. 08	7. 77	86. 54
80. 0-90. 0	31. 61	680. 69	4. 21	90. 76
90. 0-100. 0	15. 87	696. 56	2. 12	92. 87
100. 0-110. 0	9. 66	706. 22	1. 29	94. 16
110. 0-120. 0	7. 20	713. 42	0. 96	95. 12
120. 0-130. 0	5. 51	718. 93	0. 73	95. 86
130. 0-140. 0	3. 85	722. 78	0. 51	96. 37
140. 0-150. 0	2. 30	725. 08	0. 31	96. 68
150. 0-160. 0	1. 16	726. 24	0. 16	96. 83
160. 0-170. 0	0. 52	726. 76	0. 07	96. 90
170. 0-180. 0	0. 16	726. 93	0. 02	96. 92

Rectangle ISO Lighting Intensity Diagram

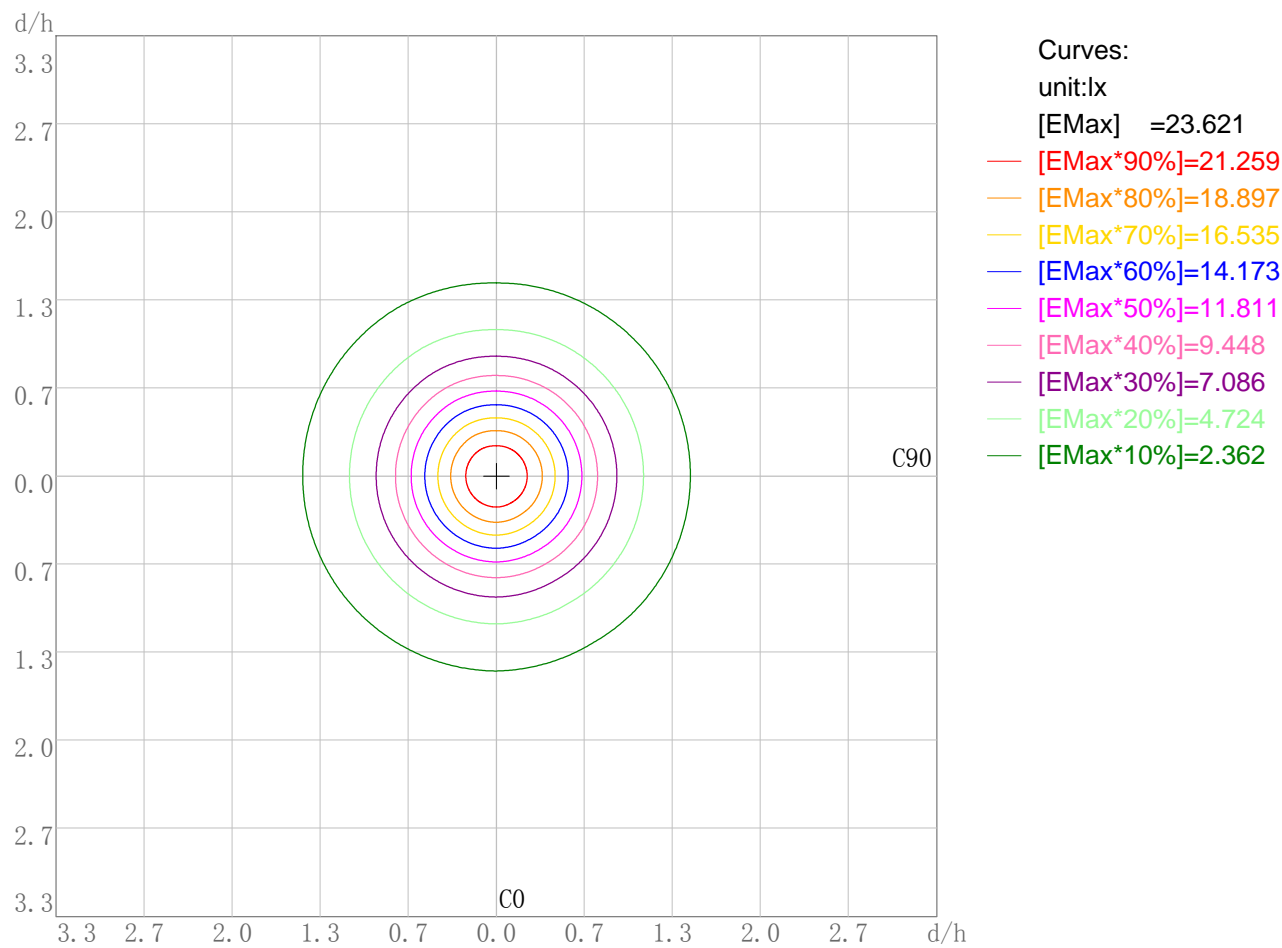
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Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24



Plane ISO-Illuminance Diagram

Lum. Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

Plane ISO-Illuminance Curve

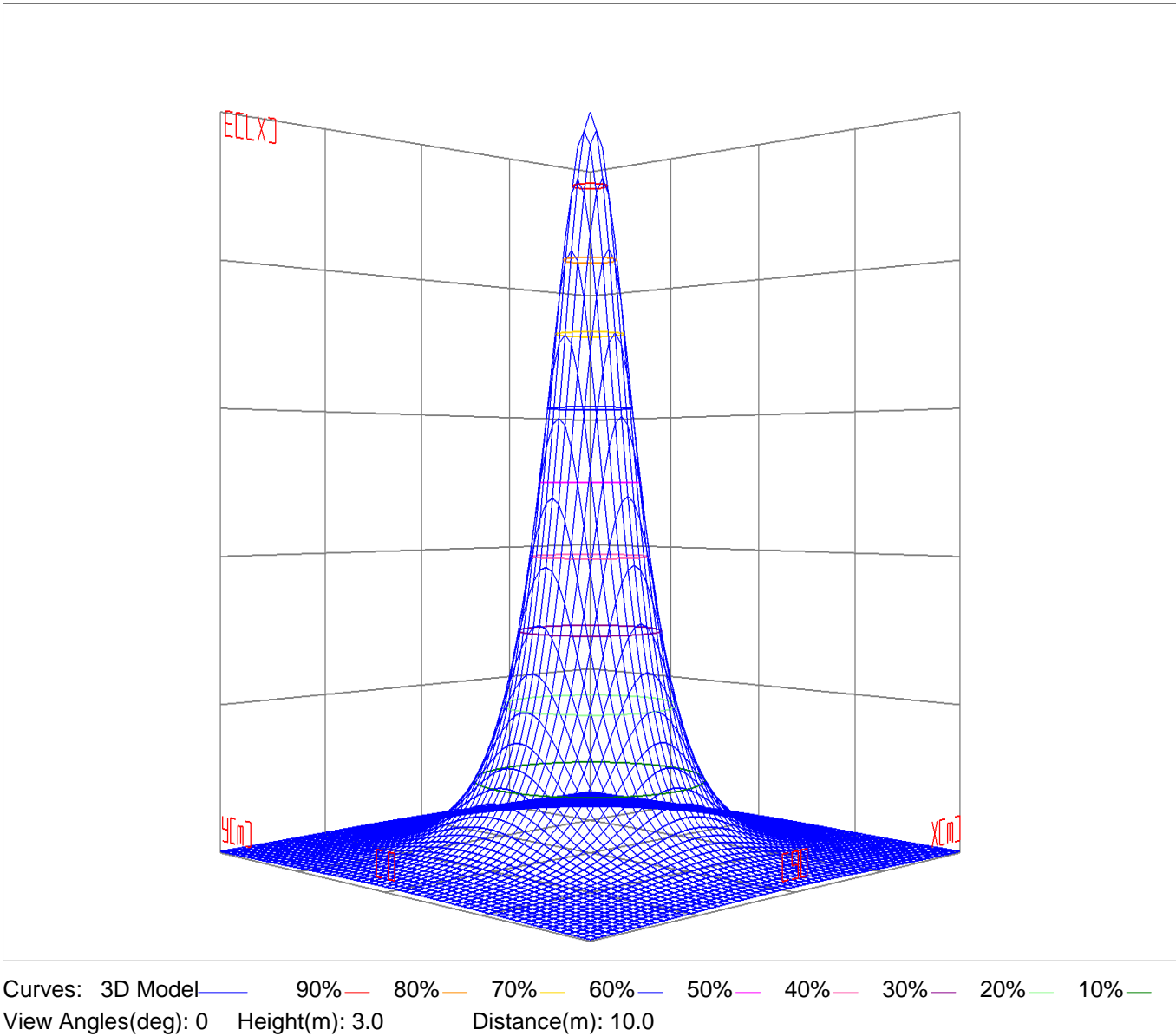


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 23.62
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
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Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

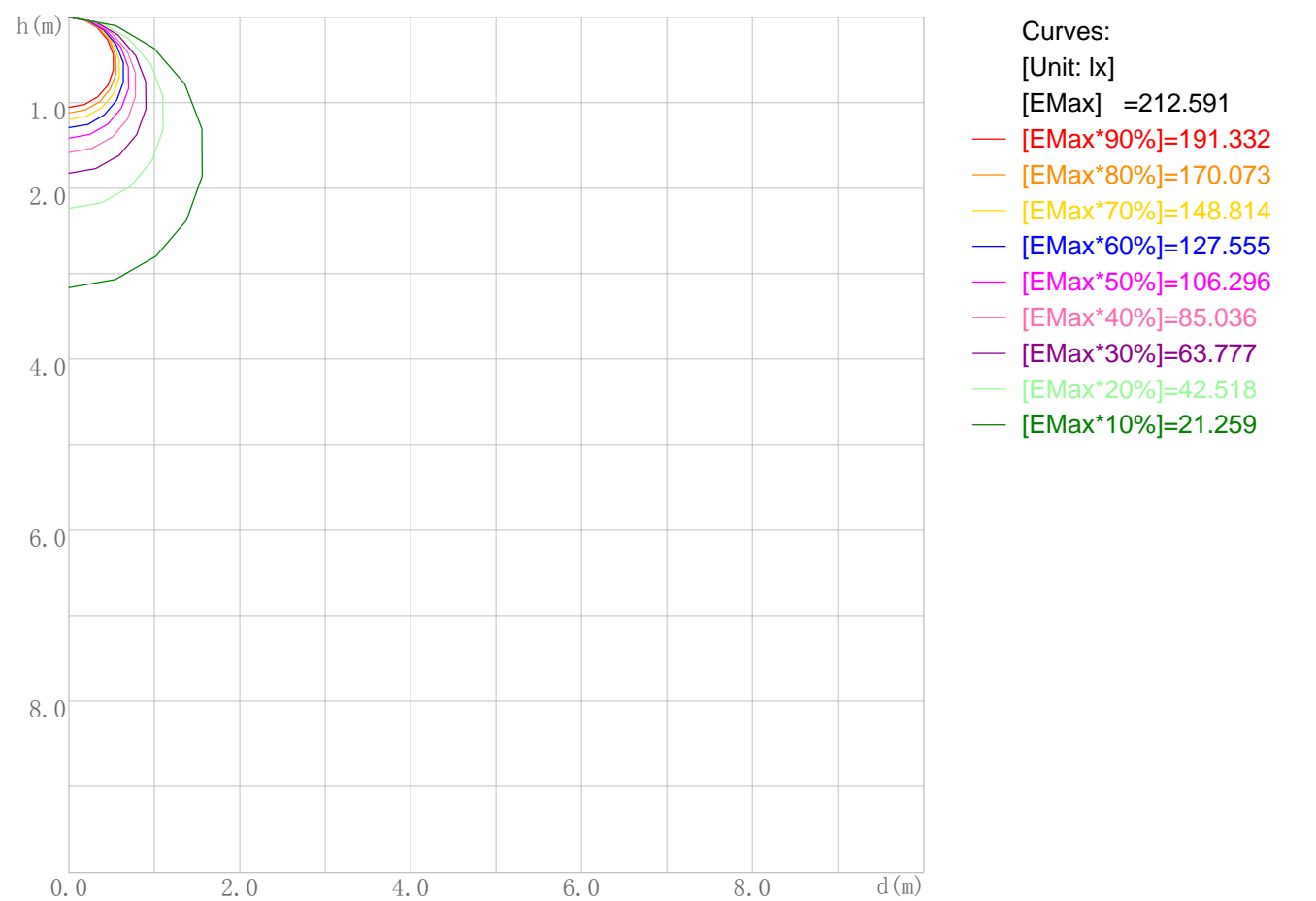
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

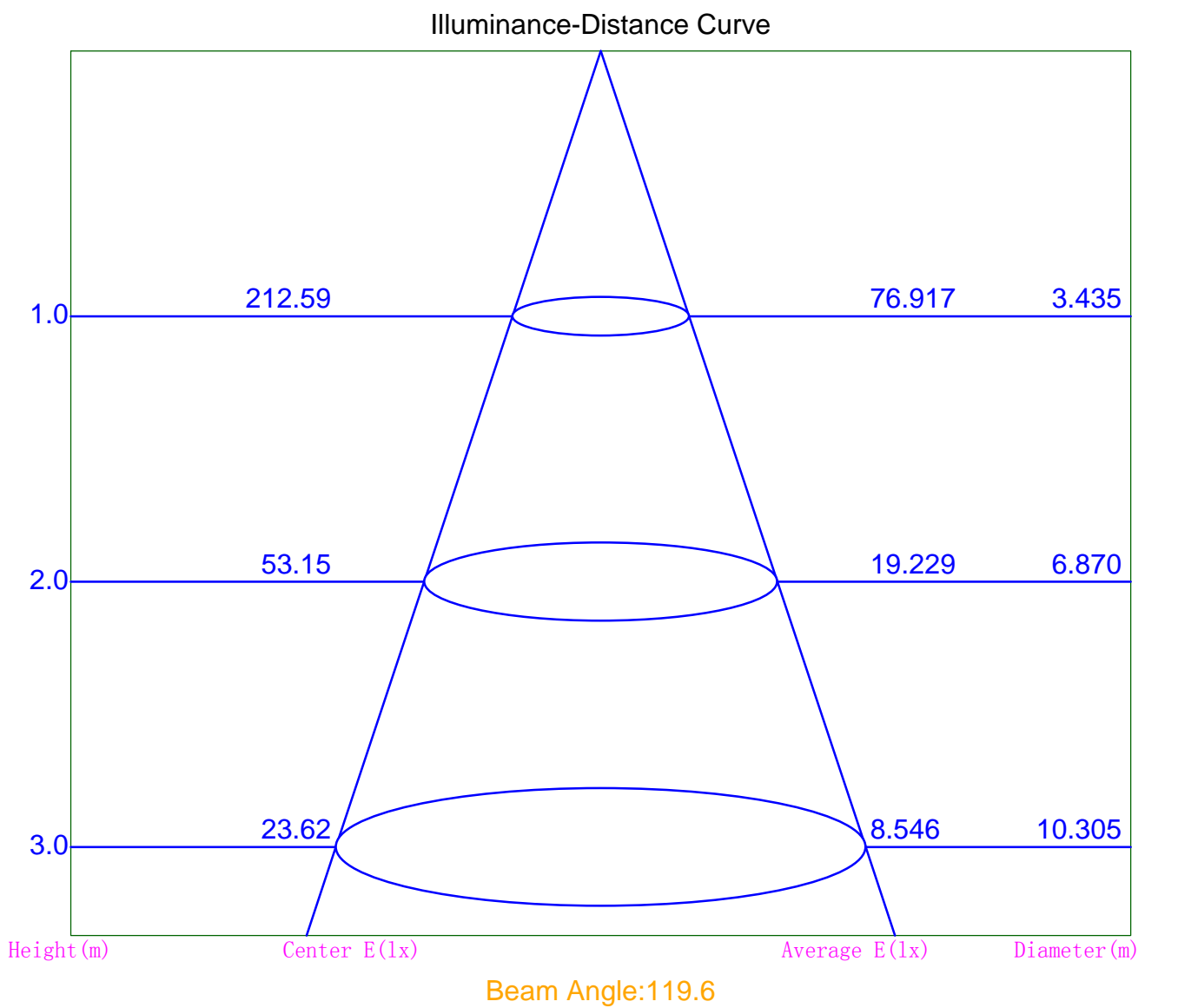
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:212.59lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:212.591cd,0deg

Illuminance-Distance Diagram

Lum. Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24



Indoor Luminance Limiting Curves

Lum. Name:	LED364 (3000K 6.5W)	Lum. Catalog:	Test ID:	20230424
Lamp Name:		Lamp Catalog: LED	Test Lab:	
Manufacture:		Test Machine:GON-2000	Test Date:	2023/04/24

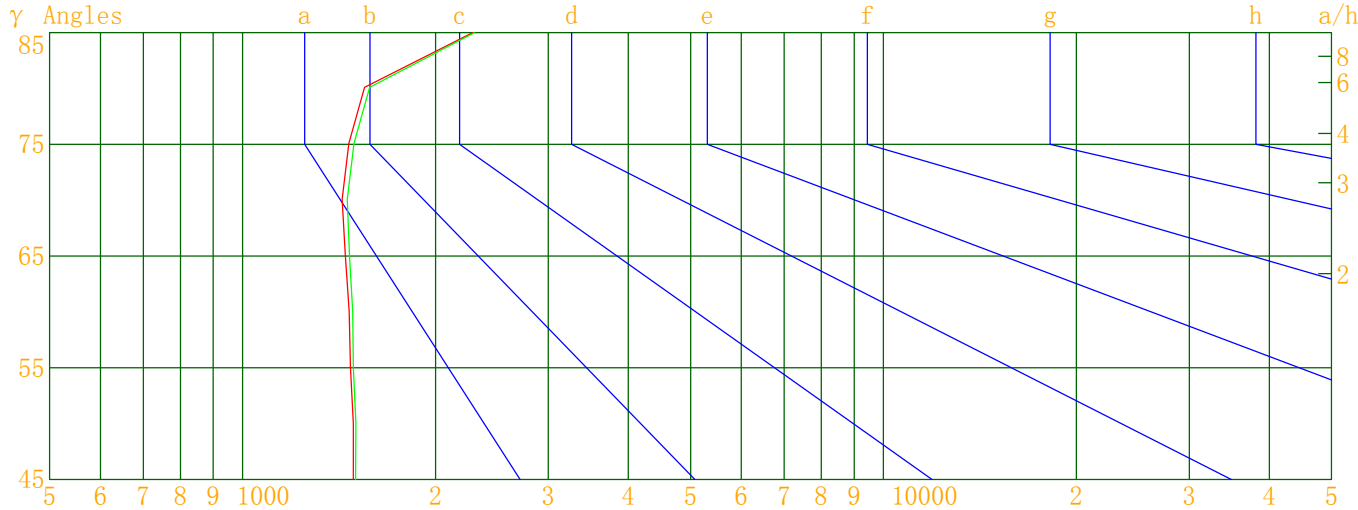
Glare Grade Table

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	1488	1489	1474	1467	1447	1431	1465	1549	2286
C90	1500	1503	1489	1485	1468	1457	1492	1579	2303

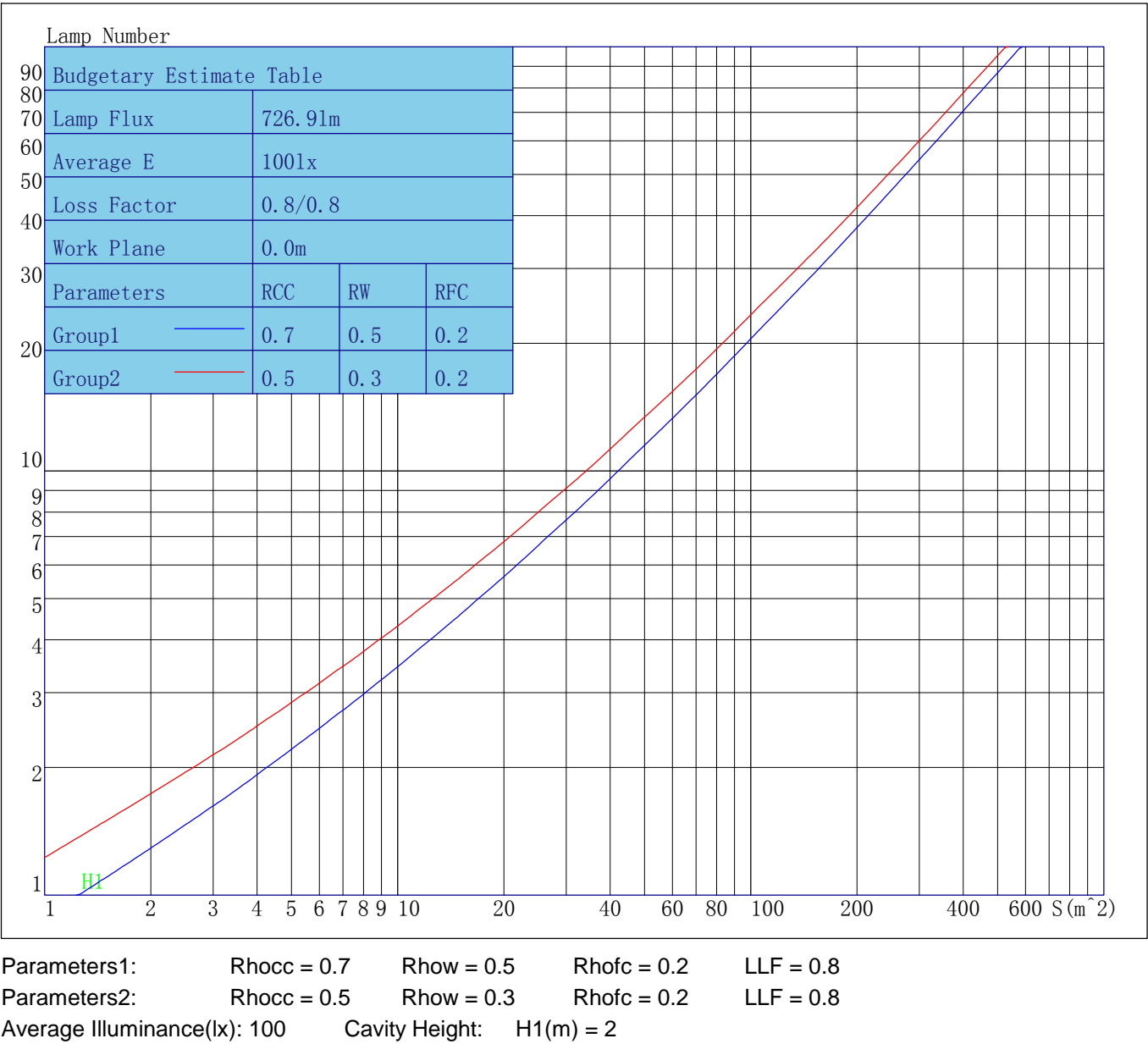
Luminance Limiting Curve



Luminous Size: Length(m)=0.340 Width(m)=0.340 Height(m)=0.078 Area(m^2)=0.142120
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24



Indoor Coefficient of Utilization Table

Lum. Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

Coefficients of Utilization - Zonal Cavity Method																	
Coef.	Effective Floor Cavity Reflectance RFC=0.20																
RhoCC (%)	80				70				50			30			10		
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR	Coefficient of Utilization(%)																
0	114	114	114	114	111	111	111	111	104	104	104	99	99	99	93	93	93
1	103	98	93	89	99	95	91	87	89	86	83	85	82	79	80	78	76
2	93	84	77	71	90	82	75	70	77	72	67	73	69	65	69	66	63
3	84	74	65	59	81	72	64	58	68	61	56	64	59	54	61	56	52
4	77	65	56	49	74	63	55	49	60	53	47	57	51	46	54	49	45
5	71	58	49	42	68	56	48	42	54	46	41	51	45	40	49	43	39
6	65	52	43	37	63	51	42	36	48	41	35	46	40	35	44	38	34
7	60	47	38	32	58	46	38	32	44	36	31	42	35	31	40	34	30
8	56	43	34	29	54	42	34	28	40	33	28	38	32	27	37	31	27
9	52	39	31	26	51	38	31	25	37	30	25	35	29	24	34	28	24
10	49	36	28	23	47	35	28	23	34	27	23	33	26	22	31	26	22

Unified Glare Rating Table

Lum. Name: LED364 (3000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

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	19.5	23.0	20.5	24.0	25.0	19.5	23.1	20.6	24.1	25.1
	24.5	28.1	25.5	29.0	30.0	24.6	28.2	25.6	29.1	30.1
	27.6	30.8	28.7	31.8	32.8	27.8	30.9	28.8	31.9	32.9
	30.0	33.1	31.1	34.1	35.1	30.2	33.2	31.2	34.2	35.2
	31.2	34.2	32.3	35.2	36.2	31.4	34.4	32.4	35.4	36.4
	32.5	35.4	33.5	36.5	37.5	32.6	35.6	33.7	36.6	37.6
X=4H Y=2H	21.3	24.4	22.3	25.4	26.4	21.3	24.4	22.3	25.4	26.4
	26.6	29.7	27.6	30.7	31.7	26.6	29.7	27.7	30.8	31.7
	28.3	30.3	29.6	31.5	32.7	28.4	30.4	29.7	31.6	32.8
	31.3	33.1	32.7	34.4	35.6	31.4	33.2	32.8	34.5	35.7
	32.9	34.6	34.2	35.9	37.1	33.0	34.7	34.3	36.0	37.2
	33.7	35.1	35.1	36.5	37.8	33.7	35.2	35.2	36.6	37.9
X=8H Y=4H	29.0	30.7	30.3	32.0	33.2	29.1	30.8	30.4	32.0	33.3
	31.5	32.8	33.0	34.2	35.5	31.6	32.9	33.1	34.3	35.6
	33.0	34.0	34.5	35.4	36.8	33.1	34.1	34.6	35.5	36.9
	35.2	36.1	36.7	37.5	38.9	35.2	36.1	36.8	37.6	39.0
X=12H Y=4H	28.2	29.6	29.6	31.0	32.3	28.3	29.7	29.7	31.1	32.4
	31.2	32.3	32.8	33.7	35.1	31.3	32.4	32.9	33.8	35.2
	33.3	34.2	34.8	35.7	37.0	33.4	34.3	34.9	35.8	37.1
Variations with the objerver position at spacings										
S=1.0H	2.2/-1.1					2.2/-1.1				
S=1.5H	-1.1/-18.5					-1.1/-18.6				
S=2.0H	-1.1/-18.5					-1.1/-18.6				

IES Indoor Report
Photometric Filename: LED364 (3000K 6.5W)

Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 0.0	212.59	212.59	212.59	212.59	212.59	212.59	212.59	212.59	212.59	212.59	212.59	212.59
γ 10.0	209.39	209.74	209.85	209.85	209.68	209.41	209.94	209.77	209.66	209.69	209.93	210.14
γ 20.0	200.29	200.88	201.07	200.98	200.66	200.08	201.38	200.95	200.68	200.73	201.15	201.74
γ 30.0	184.77	185.58	185.82	185.68	185.12	184.35	186.37	185.63	185.27	185.34	185.95	186.88
γ 40.0	163.12	164.19	164.44	164.26	163.50	162.48	165.24	164.27	163.79	163.88	164.67	165.92
γ 50.0	136.04	137.27	137.57	137.27	136.34	135.14	138.58	137.37	136.79	136.90	137.90	139.39
γ 60.0	104.24	105.61	105.93	105.55	104.43	103.16	107.07	105.69	105.07	105.21	106.36	108.04
γ 70.0	69.56	71.00	71.25	70.81	69.63	68.43	72.57	71.18	70.51	70.72	71.83	73.54
γ 80.0	38.24	39.26	39.39	38.96	38.03	37.28	40.71	39.66	39.15	39.18	40.01	41.27
γ 90.0	18.39	18.62	18.23	18.08	17.58	17.80	19.81	19.26	18.85	18.73	19.00	19.82
γ 100.0	11.06	10.31	9.20	9.27	9.20	10.65	11.80	11.22	10.50	10.36	10.24	11.15
γ 110.0	6.86	8.53	6.98	6.82	7.23	9.10	7.40	9.28	7.74	7.66	7.63	9.06
γ 120.0	6.47	7.36	5.95	5.54	6.24	7.84	6.52	7.99	6.36	5.60	6.10	7.72
γ 130.0	5.99	6.07	4.81	4.64	5.22	6.43	6.61	6.60	5.17	4.65	5.06	6.34
γ 140.0	4.57	4.67	3.73	3.52	4.03	4.86	5.07	5.04	3.95	3.56	3.97	4.82
γ 150.0	3.17	3.28	2.71	2.34	2.87	3.30	3.46	3.47	2.88	2.30	2.91	3.41
γ 160.0	2.04	2.10	1.92	1.77	2.01	2.06	2.17	2.18	2.00	1.79	2.03	2.20
γ 170.0	1.66	1.65	1.65	1.68	1.67	1.69	1.69	1.66	1.65	1.66	1.64	1.65
γ 180.0	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70