

Indoor Luminaire Photometric Data

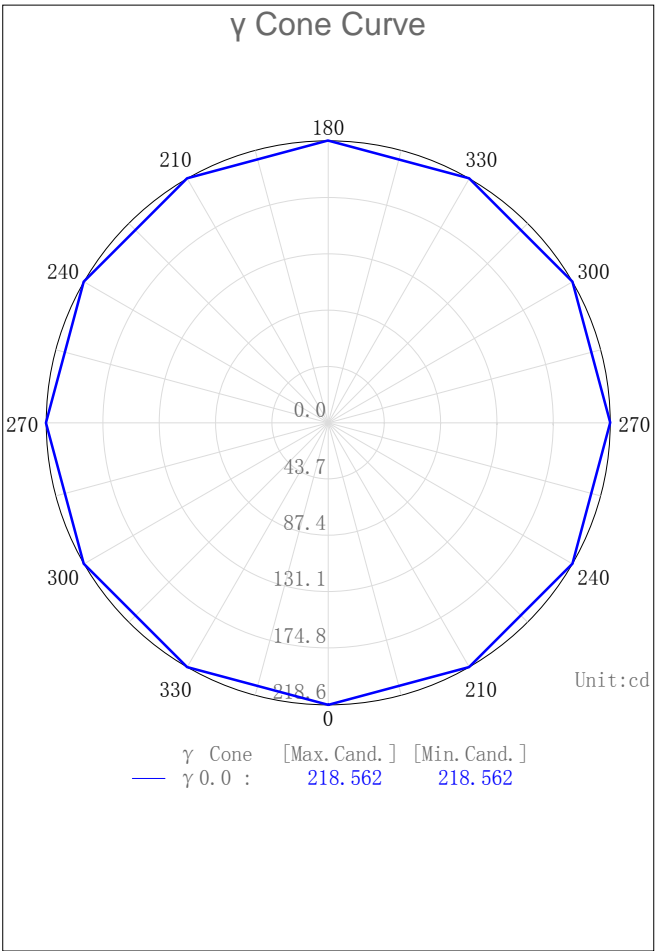
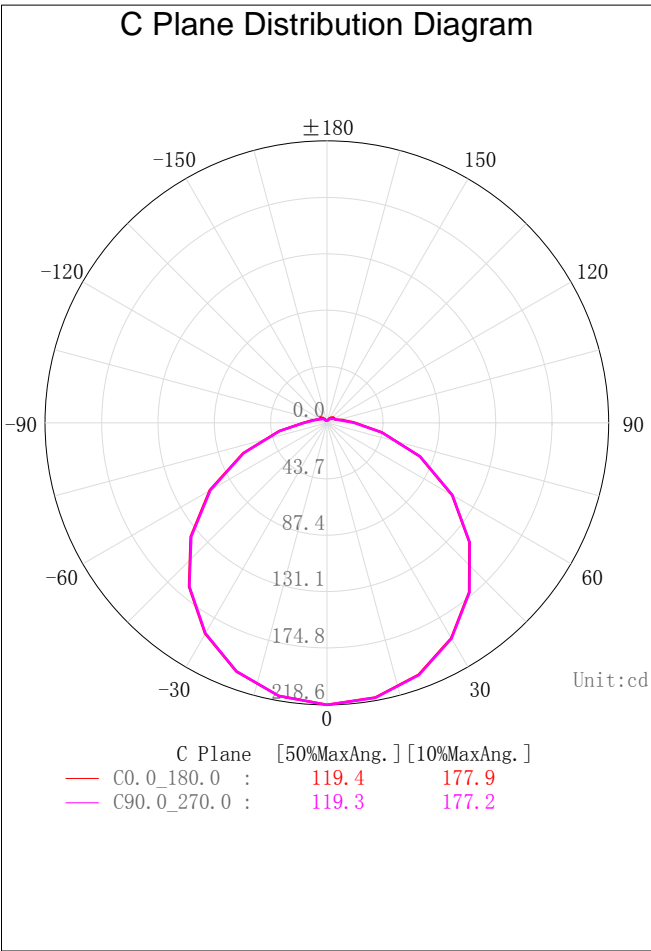
Description Information

Luminary Name: LED364 (4000K 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

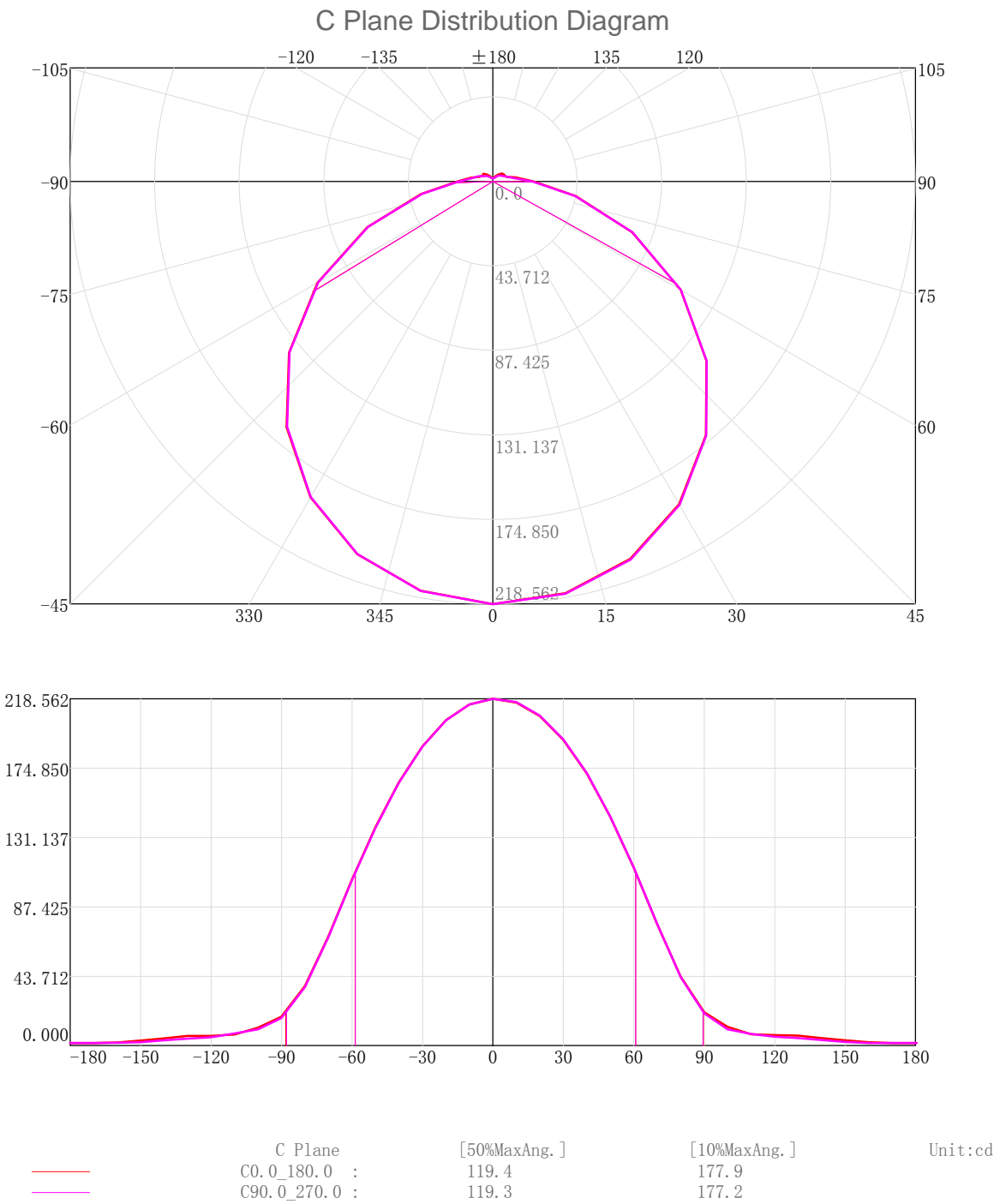
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 750.000	Luminary Flux(lm): 746.643	Field Angle(10%Imax): 177.9(°)
Rated Power(W):	Luminary Efficiency: 99.55%	Down Lumens&Percent: 699.400lm 93.67%
Rated Voltage(V):	Luminary EER(lm/W): 116.046	Up Lumens&Percent: 47.242lm 6.33%
Tested Power(W): 6.434	Max. Candela(cd): 218.562	S/MH: C0_a180=1.300 C90_270=1.300
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, 0.801	Beam Angle(50%Imax): 119.4(°)	ErP Φuse(120°): 516.141lm
Lamp Size (W*L*H):0.340m*0.340m*0.078m	Left=-58.6° , Right=60.8°	IRF (%): 101.960

Lighting Distribution Diagram



2D Plane Light Intensity Distribution Curve

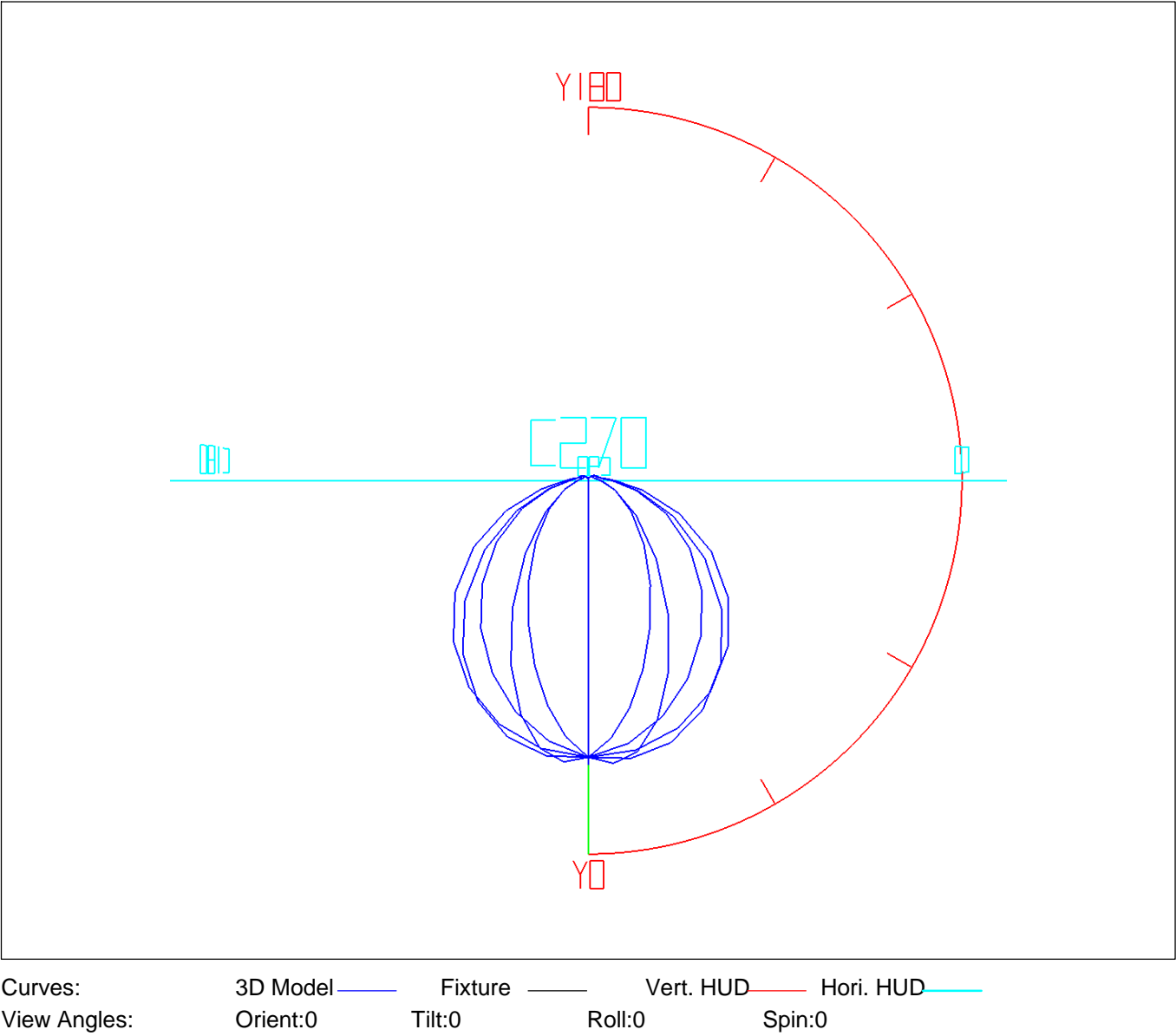
Lum. Name: LED364 (4000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24



3D Light Intensity Distribution Modal

Lum. Name: LED364 (4000K 6.5W)	Lum. Catalog:	Test ID: 20230424
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Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

3D Light Intensity Distribution Modal

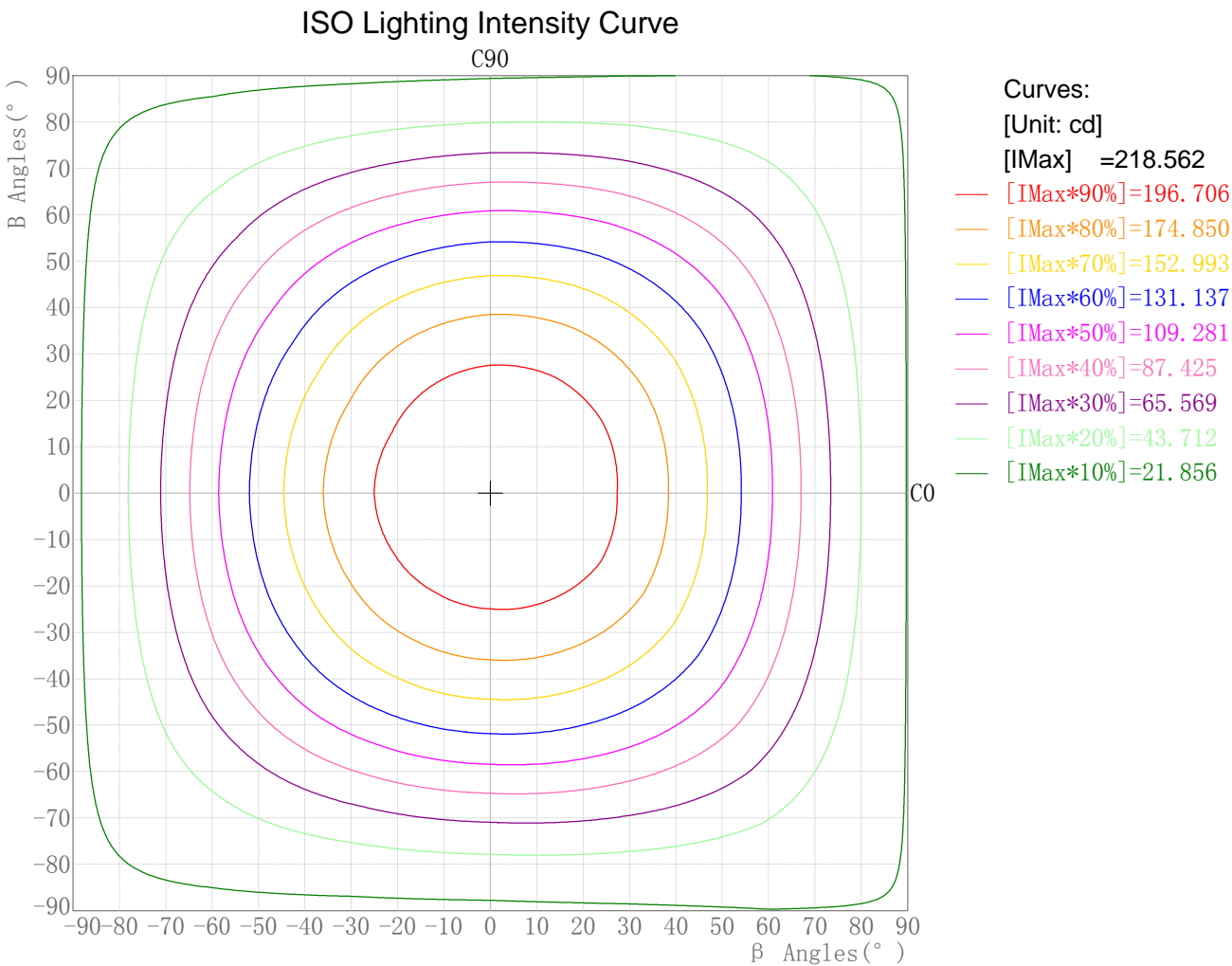


Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	20. 72	20. 72	2. 76	2. 76
10. 0-20. 0	59. 83	80. 55	7. 98	10. 74
20. 0-30. 0	91. 92	172. 47	12. 26	23. 00
30. 0-40. 0	112. 86	285. 33	15. 05	38. 04
40. 0-50. 0	119. 86	405. 20	15. 98	54. 03
50. 0-60. 0	111. 81	517. 00	14. 91	68. 93
60. 0-70. 0	89. 90	606. 91	11. 99	80. 92
70. 0-80. 0	59. 89	666. 80	7. 99	88. 91
80. 0-90. 0	32. 60	699. 40	4. 35	93. 25
90. 0-100. 0	16. 47	715. 87	2. 20	95. 45
100. 0-110. 0	9. 98	725. 85	1. 33	96. 78
110. 0-120. 0	7. 29	733. 14	0. 97	97. 75
120. 0-130. 0	5. 50	738. 64	0. 73	98. 48
130. 0-140. 0	3. 84	742. 47	0. 51	99. 00
140. 0-150. 0	2. 30	744. 78	0. 31	99. 30
150. 0-160. 0	1. 17	745. 95	0. 16	99. 46
160. 0-170. 0	0. 53	746. 48	0. 07	99. 53
170. 0-180. 0	0. 16	746. 64	0. 02	99. 55

Rectangle ISO Lighting Intensity Diagram

Lum. Name: LED364 (4000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24



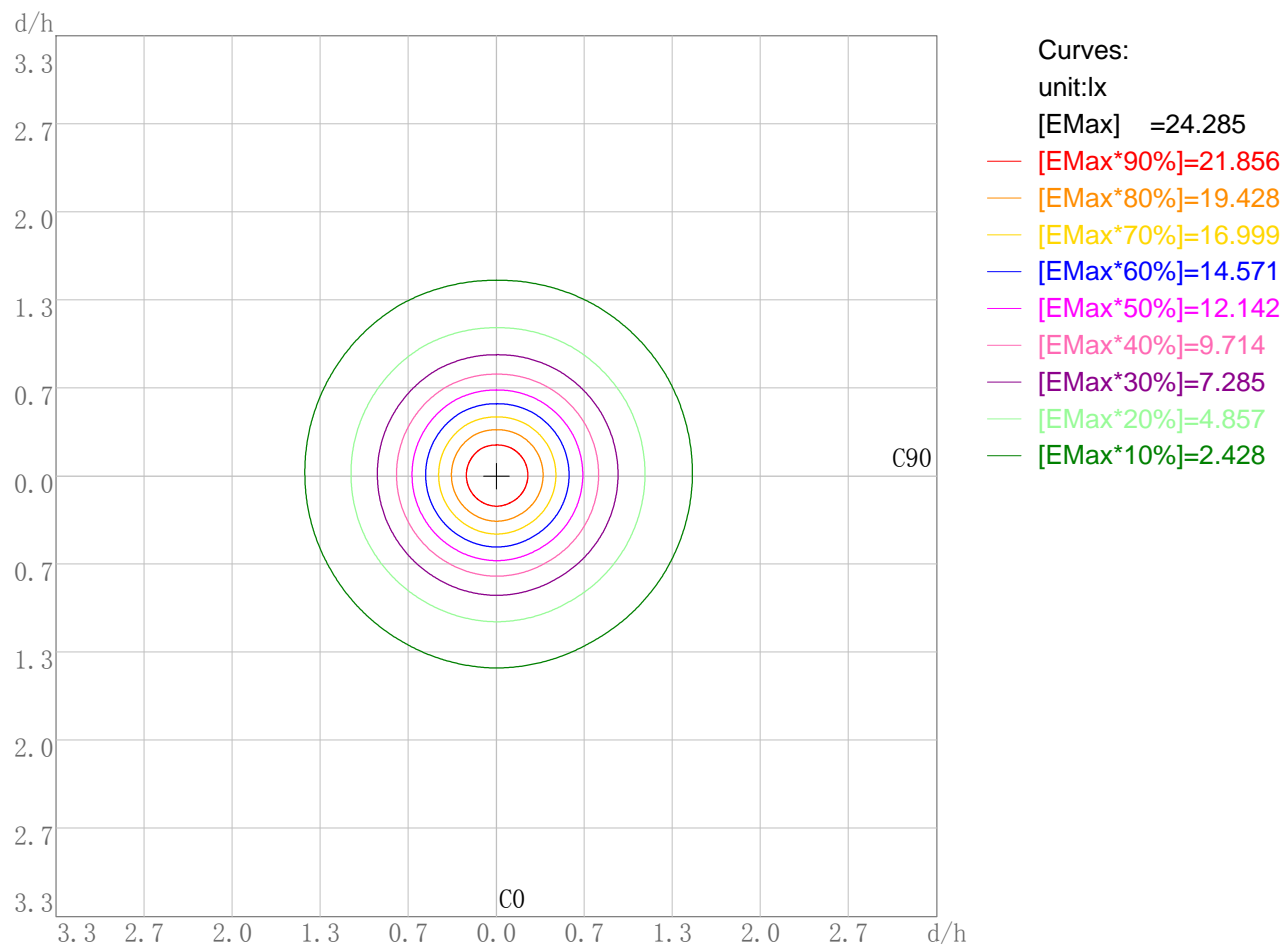
Maximum Light Intensity(cd): 218.56

Maximum Cand.@Angle: H=0.0°;V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: LED364 (4000K 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

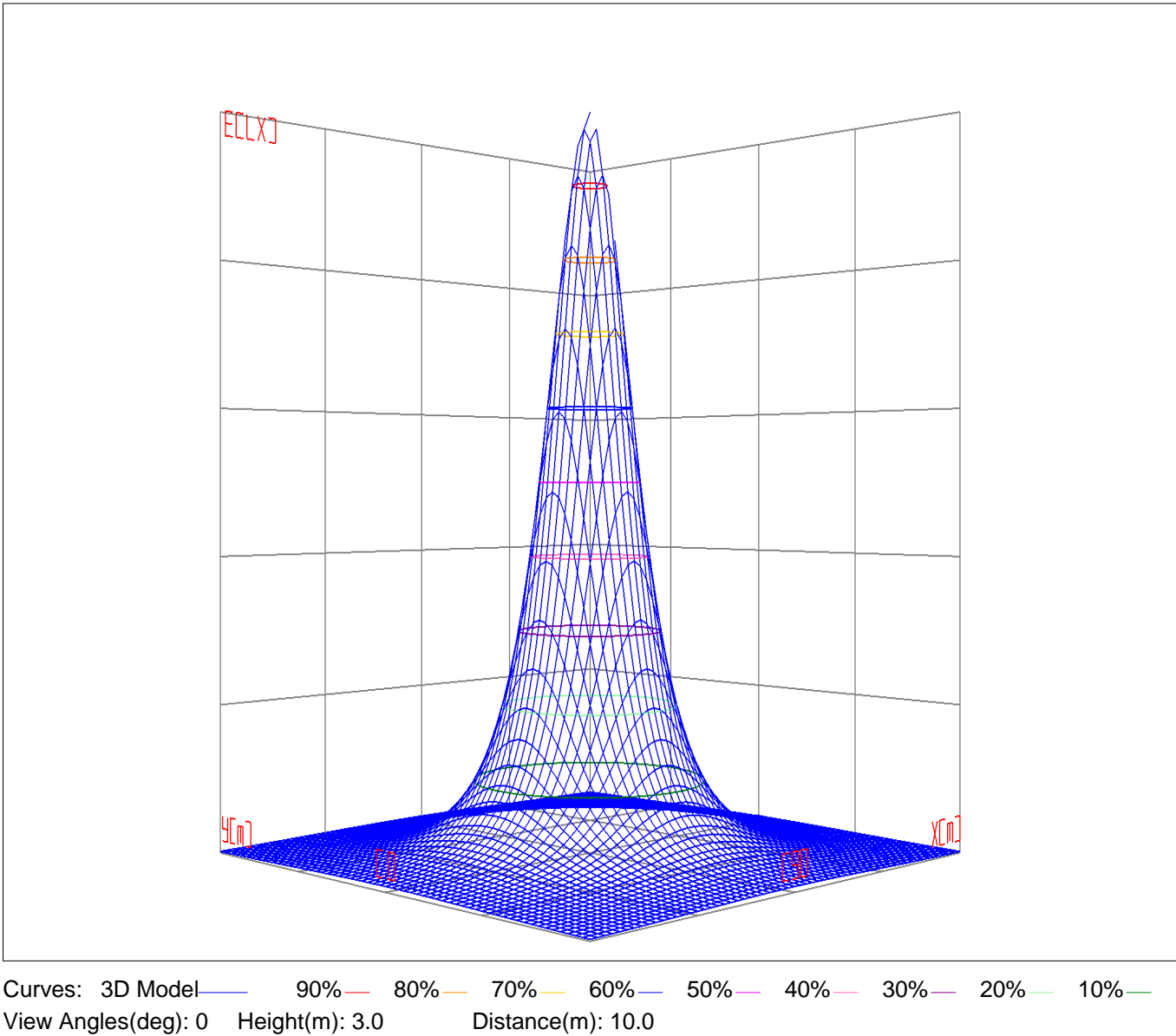


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 24.28
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: LED364 (4000K 6.5W)	Lum. Catelog:	Test ID: 20230424
Lamp Name:	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

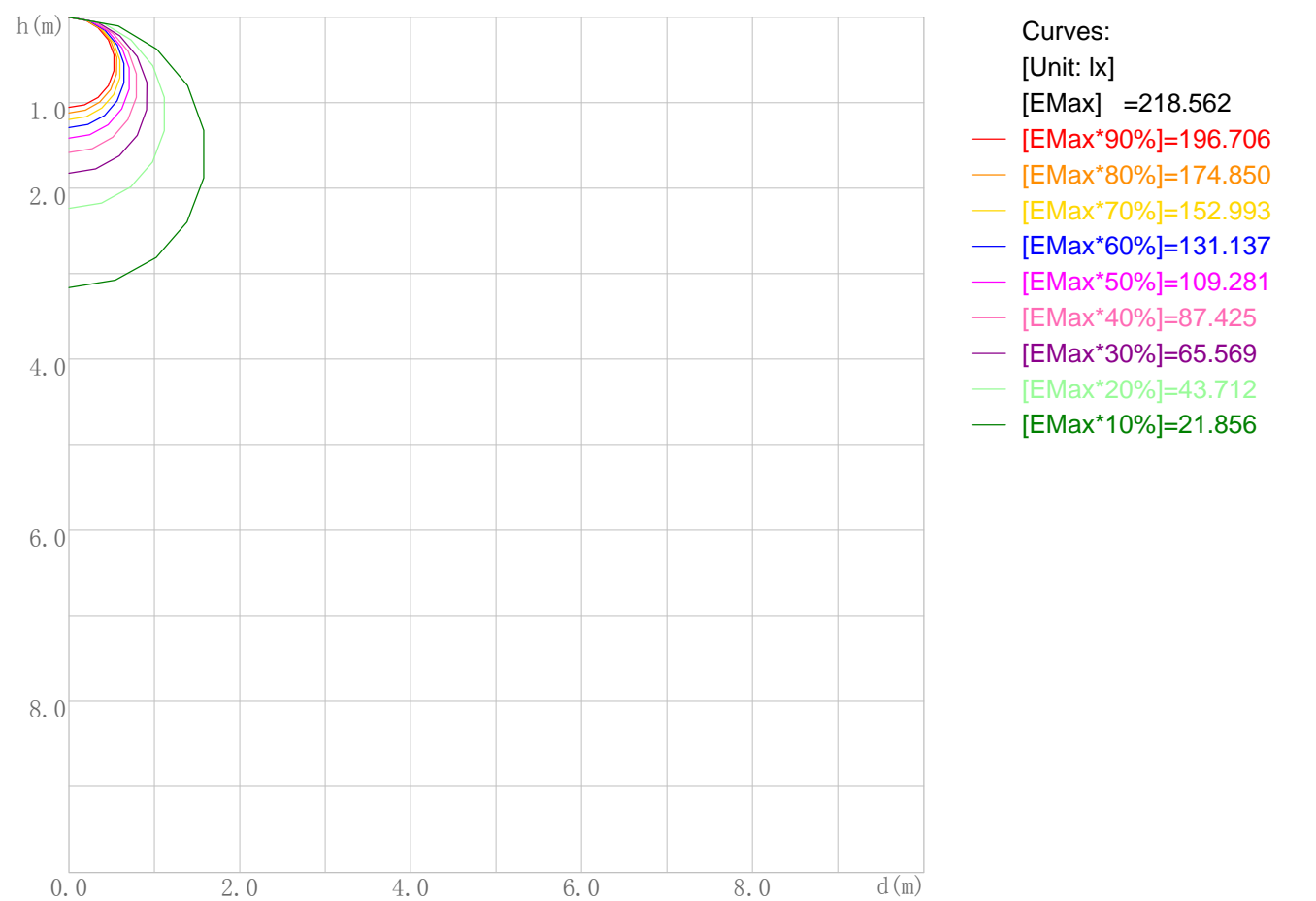
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: LED364 (4000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

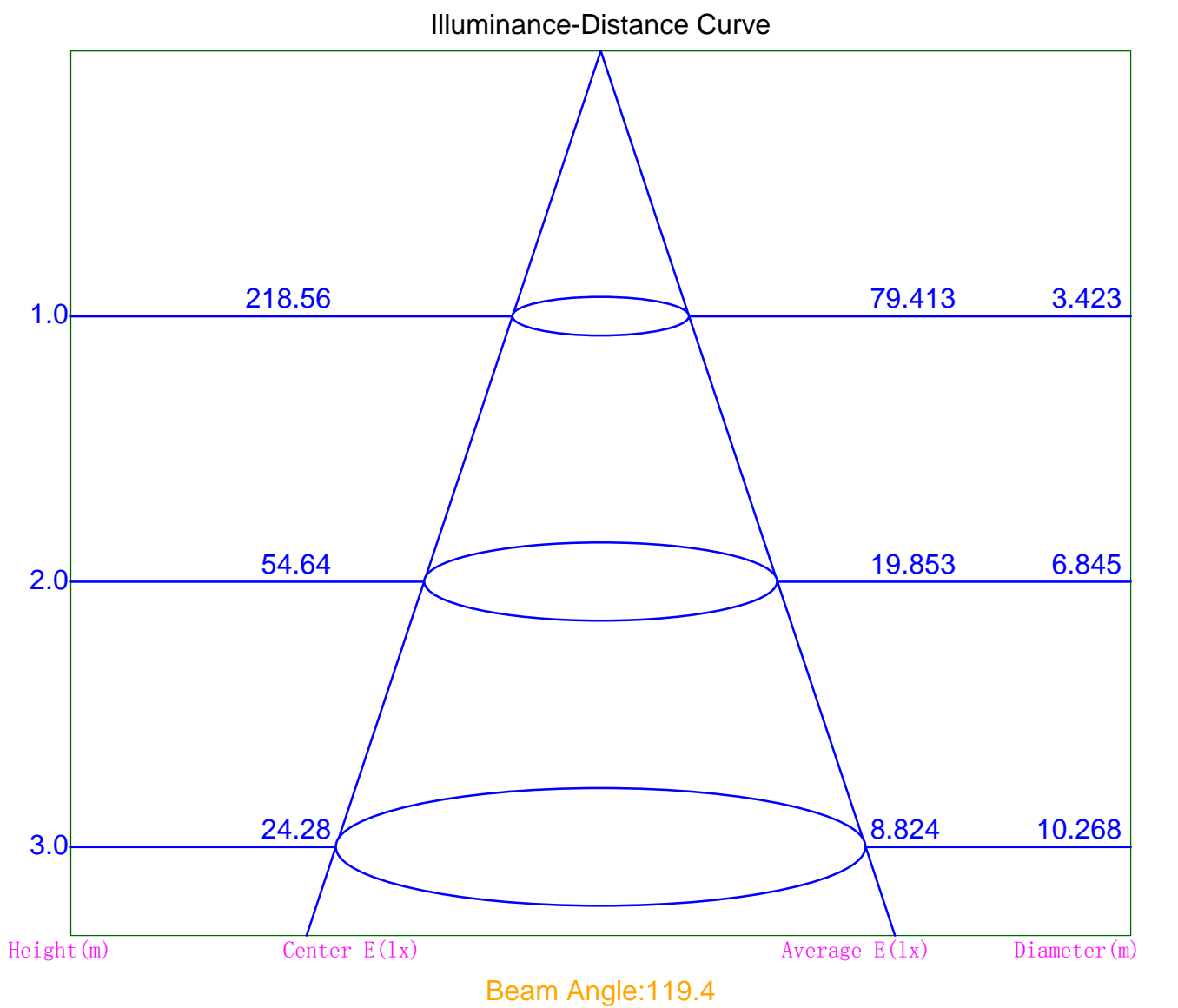
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:218.56lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:218.562cd,0deg

Illuminance-Distance Diagram

Lum. Name: LED364 (4000K 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 (4000K 6.5W)	Lum. Catalog:	Test ID: 20230424
Lamp Name:	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/04/24

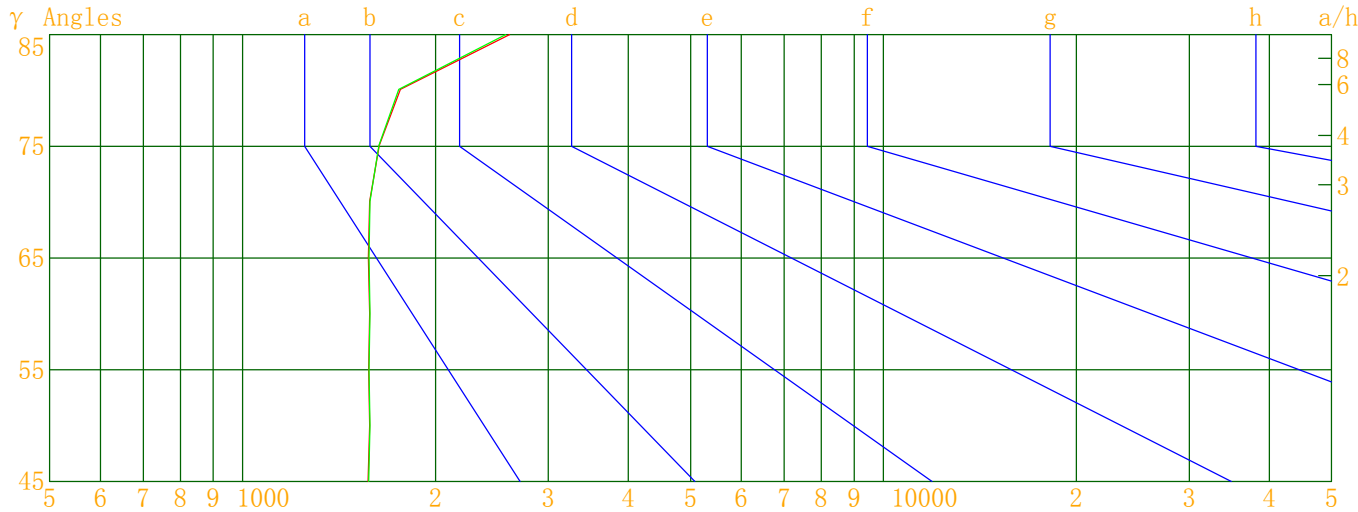
Glare Grade Table

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	1570	1579	1573	1578	1573	1579	1635	1764	2610
C90	1573	1582	1575	1581	1575	1580	1632	1754	2573

Luminance Limiting Curve



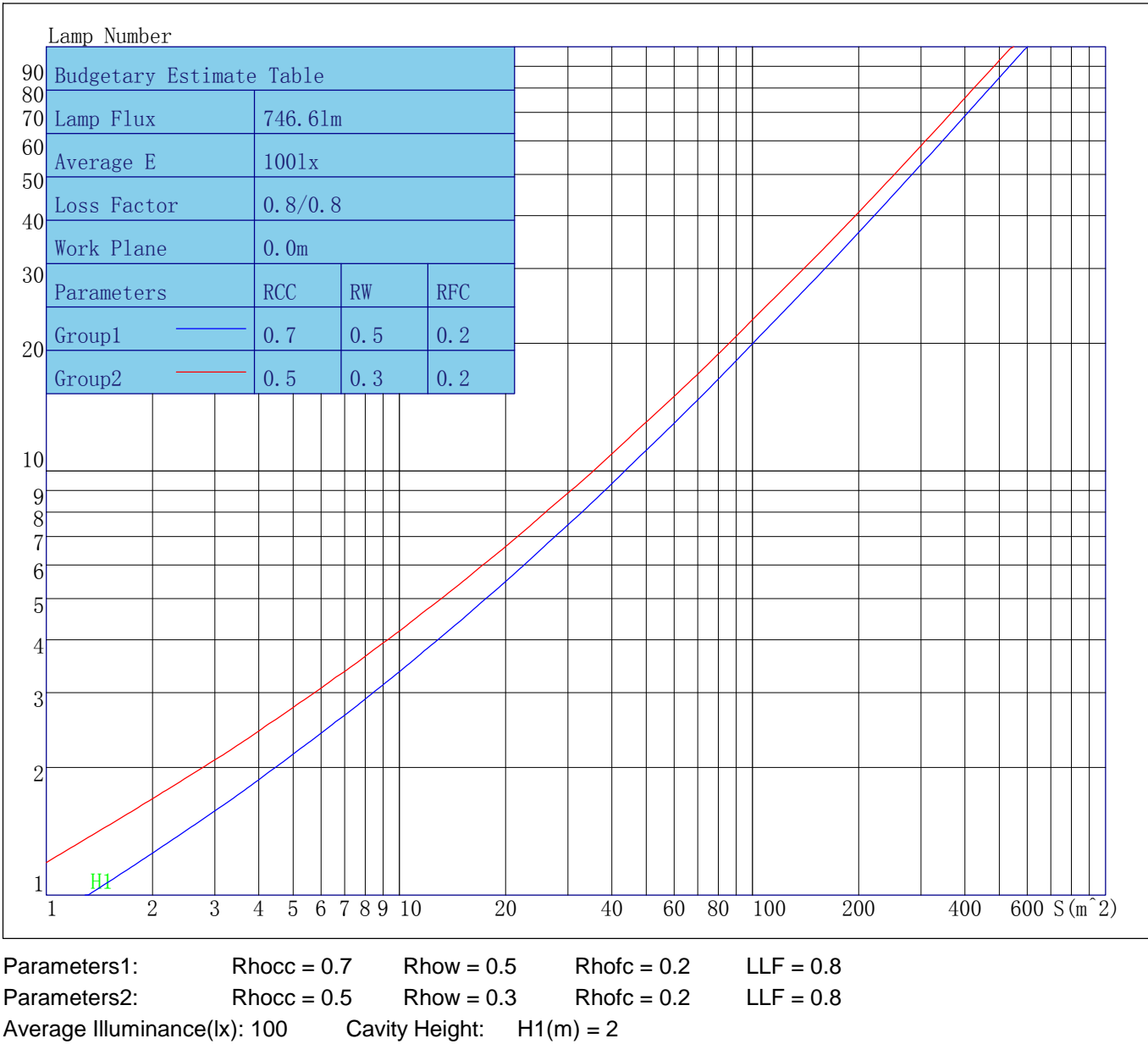
Luminous Size: Length(m)=0.340 Width(m)=0.340 Height(m)=0.078 Area(m^2)=0.142120

Luminous Type: Without Luminous Side

Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name: LED364 (4000K 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 (4000K 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			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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	105	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	75
2	95	87	79	73	92	84	77	72	80	74	69	75	71	67	71	68	64	62
3	87	76	67	60	84	74	66	59	70	63	57	66	60	56	63	58	54	51
4	79	67	58	51	76	65	56	50	62	54	49	58	52	47	56	50	46	43
5	73	59	50	43	70	58	49	43	55	47	42	52	46	41	50	44	40	37
6	67	53	44	38	65	52	43	37	50	42	36	47	41	36	45	39	35	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	25
9	54	40	32	26	52	39	31	26	38	31	26	36	30	25	35	29	25	23
10	50	37	29	24	49	36	29	24	35	28	23	34	27	23	32	27	22	21

Unified Glare Rating Table

Lum. Name: LED364 (4000K 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	20.2	23.8	21.3	24.8	25.8	20.3	23.8	21.3	24.8	25.8
	Y=3H	25.5	29.0	26.5	30.0	31.0	25.5	29.0	26.5	30.0	31.0
	Y=4H	28.7	31.9	29.8	32.9	33.9	28.7	31.9	29.8	32.9	33.9
	Y=6H	31.3	34.3	32.3	35.3	36.3	31.3	34.3	32.3	35.3	36.3
	Y=8H	32.5	35.5	33.6	36.5	37.5	32.5	35.5	33.5	36.5	37.5
	Y=12H	33.8	36.8	34.9	37.8	38.8	33.8	36.8	34.8	37.8	38.8
X=4H	Y=2H	22.1	25.2	23.1	26.2	27.2	22.1	25.2	23.1	26.2	27.2
	Y=3H	27.6	30.7	28.7	31.7	32.7	27.6	30.7	28.6	31.7	32.7
	Y=4H	29.5	31.5	30.8	32.7	33.9	29.5	31.5	30.8	32.7	33.9
	Y=6H	32.7	34.5	34.0	35.7	37.0	32.6	34.4	34.0	35.7	36.9
	Y=8H	34.3	36.0	35.7	37.3	38.5	34.3	36.0	35.6	37.2	38.5
	Y=12H	35.2	36.6	36.6	38.0	39.3	35.1	36.5	36.5	37.9	39.2
X=8H	Y=4H	30.2	31.9	31.5	33.2	34.4	30.2	31.9	31.5	33.2	34.4
	Y=6H	33.0	34.2	34.4	35.6	36.9	32.9	34.2	34.4	35.6	36.9
	Y=8H	34.5	35.5	36.0	36.9	38.3	34.5	35.4	36.0	36.9	38.3
	Y=12H	36.8	37.7	38.3	39.2	40.5	36.7	37.6	38.2	39.1	40.5
X=12H	Y=4H	29.4	30.8	30.8	32.2	33.5	29.4	30.9	30.9	32.2	33.6
	Y=6H	32.7	33.7	34.2	35.2	36.5	32.7	33.7	34.2	35.2	36.5
	Y=8H	34.8	35.7	36.3	37.2	38.6	34.8	35.7	36.3	37.2	38.5
Variations with the objerver position at spacings											
S=1.0H		2.1/-1.1					2.1/-1.1				
S=1.5H		-1.1/-18.3					-1.1/-18.3				
S=2.0H		-1.1/-18.3					-1.1/-18.3				

IES Indoor Report
Photometric Filename: LED364 (4000K 6.5W).IES

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	218.56	218.56	218.56	218.56	218.56	218.56	218.56	218.56	218.56	218.56	218.56	218.56
γ 10.0	216.17	216.78	216.81	216.44	215.72	214.80	214.88	214.53	214.55	214.95	215.64	216.44
γ 20.0	207.73	208.87	208.94	208.08	206.53	204.66	205.05	204.15	204.08	204.92	206.49	208.25
γ 30.0	192.71	194.31	194.36	193.05	190.69	187.95	188.56	187.15	187.04	188.32	190.68	193.43
γ 40.0	171.35	173.38	173.41	171.66	168.54	165.00	165.88	164.03	163.88	165.58	168.66	172.28
γ 50.0	144.25	146.64	146.65	144.48	140.74	136.47	137.65	135.32	135.19	137.20	140.97	145.35
γ 60.0	112.17	114.89	114.83	112.34	108.07	103.30	104.60	101.99	101.83	104.16	108.40	113.42
γ 70.0	76.73	79.57	79.36	76.82	72.37	67.66	69.08	66.49	66.24	68.52	72.84	78.07
γ 80.0	43.53	45.76	45.47	43.28	39.85	36.52	37.71	35.71	35.43	36.95	40.28	44.44
γ 90.0	21.14	22.16	21.71	20.46	18.59	17.54	18.32	17.27	16.89	17.51	19.17	21.50
γ 100.0	11.89	11.53	10.67	10.39	9.85	10.78	11.40	10.76	10.14	10.29	10.61	11.70
γ 110.0	7.17	9.07	7.53	7.44	7.52	9.10	7.13	8.93	7.68	7.78	7.80	9.24
γ 120.0	6.80	7.86	6.36	5.78	6.22	7.70	6.14	7.53	5.98	5.32	6.18	7.92
γ 130.0	6.33	6.50	5.15	4.83	5.11	6.22	6.20	6.13	4.77	4.41	5.13	6.52
γ 140.0	4.88	5.04	4.04	3.66	3.92	4.64	4.71	4.67	3.66	3.42	4.04	4.98
γ 150.0	3.46	3.59	2.97	2.37	2.81	3.17	3.24	3.20	2.66	2.27	2.99	3.55
γ 160.0	2.25	2.32	2.05	1.76	1.91	2.00	2.06	2.03	1.90	1.82	2.12	2.31
γ 170.0	1.71	1.67	1.64	1.65	1.66	1.68	1.70	1.71	1.71	1.74	1.72	1.73
γ 180.0	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74