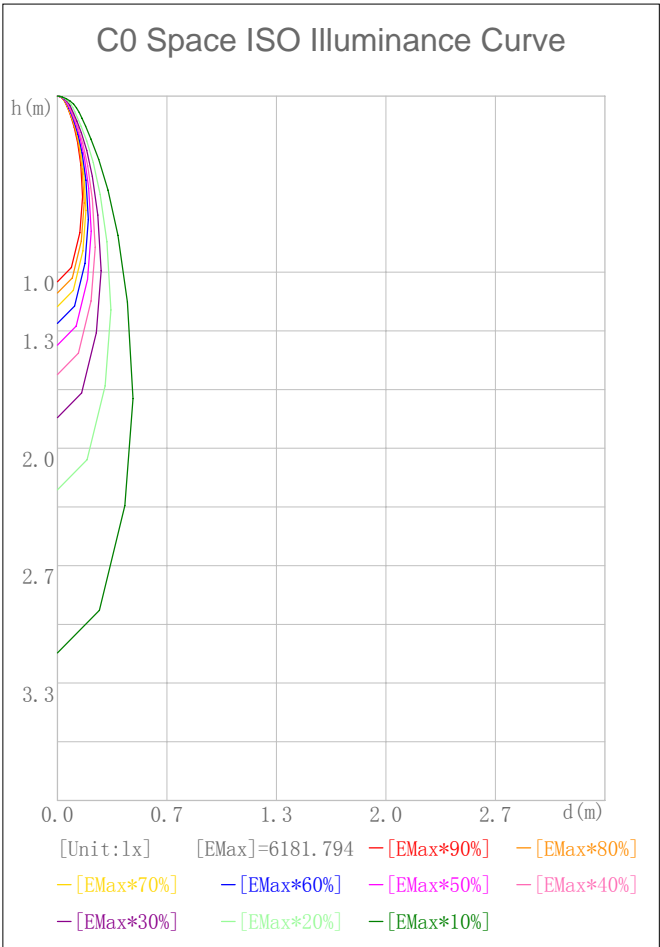
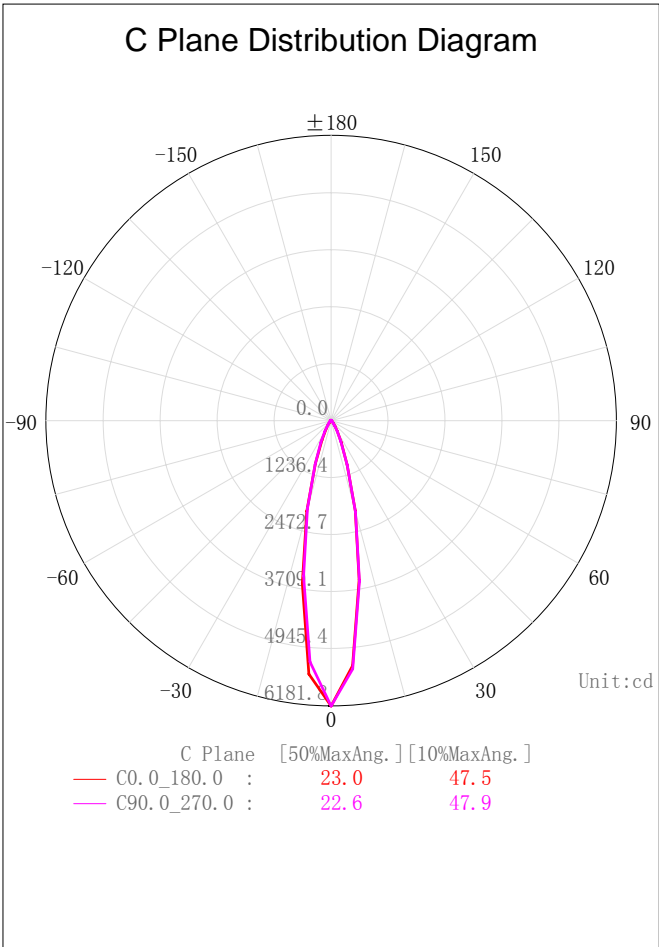


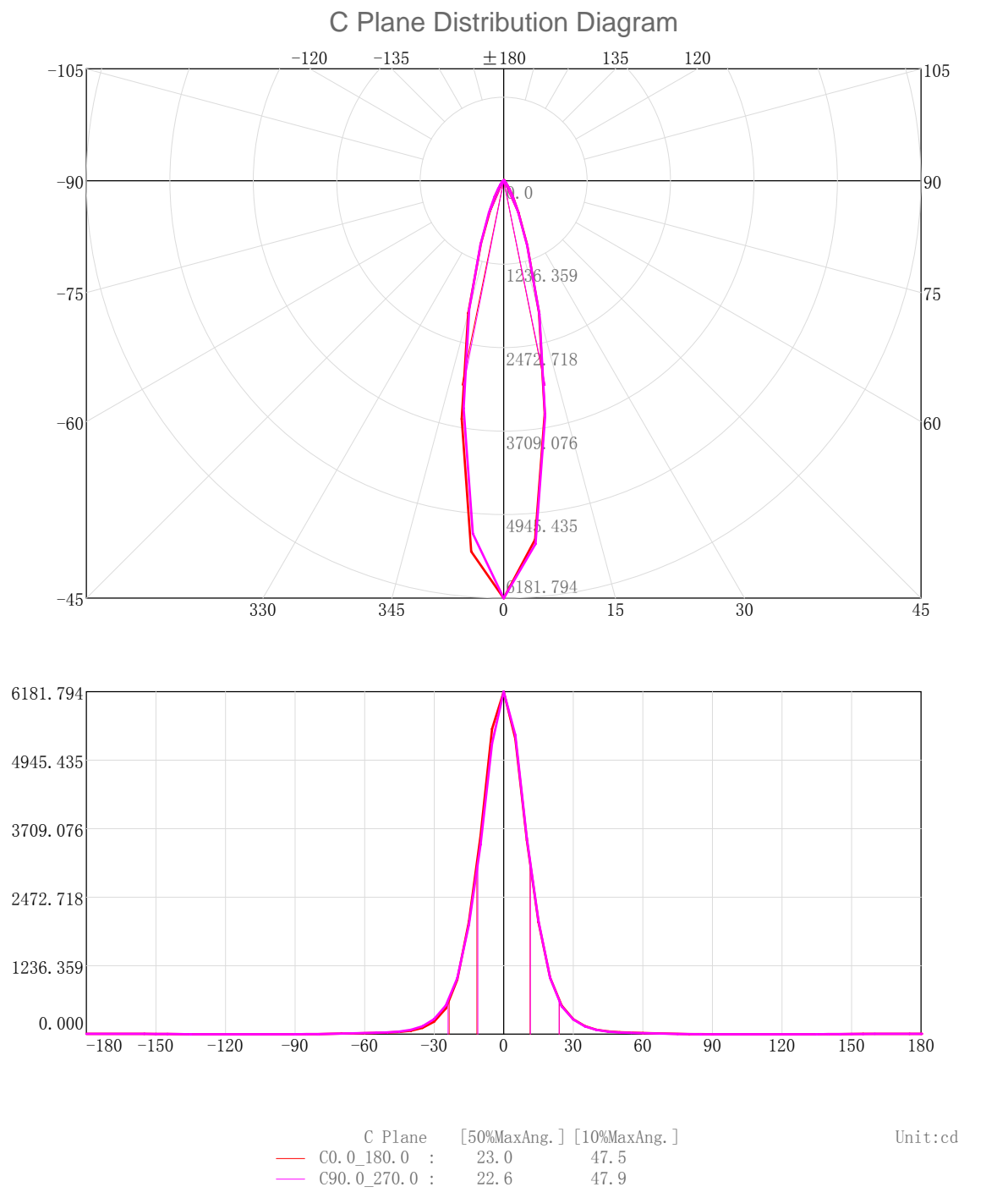
Indoor Luminaire Photometric Data

Character Parameter

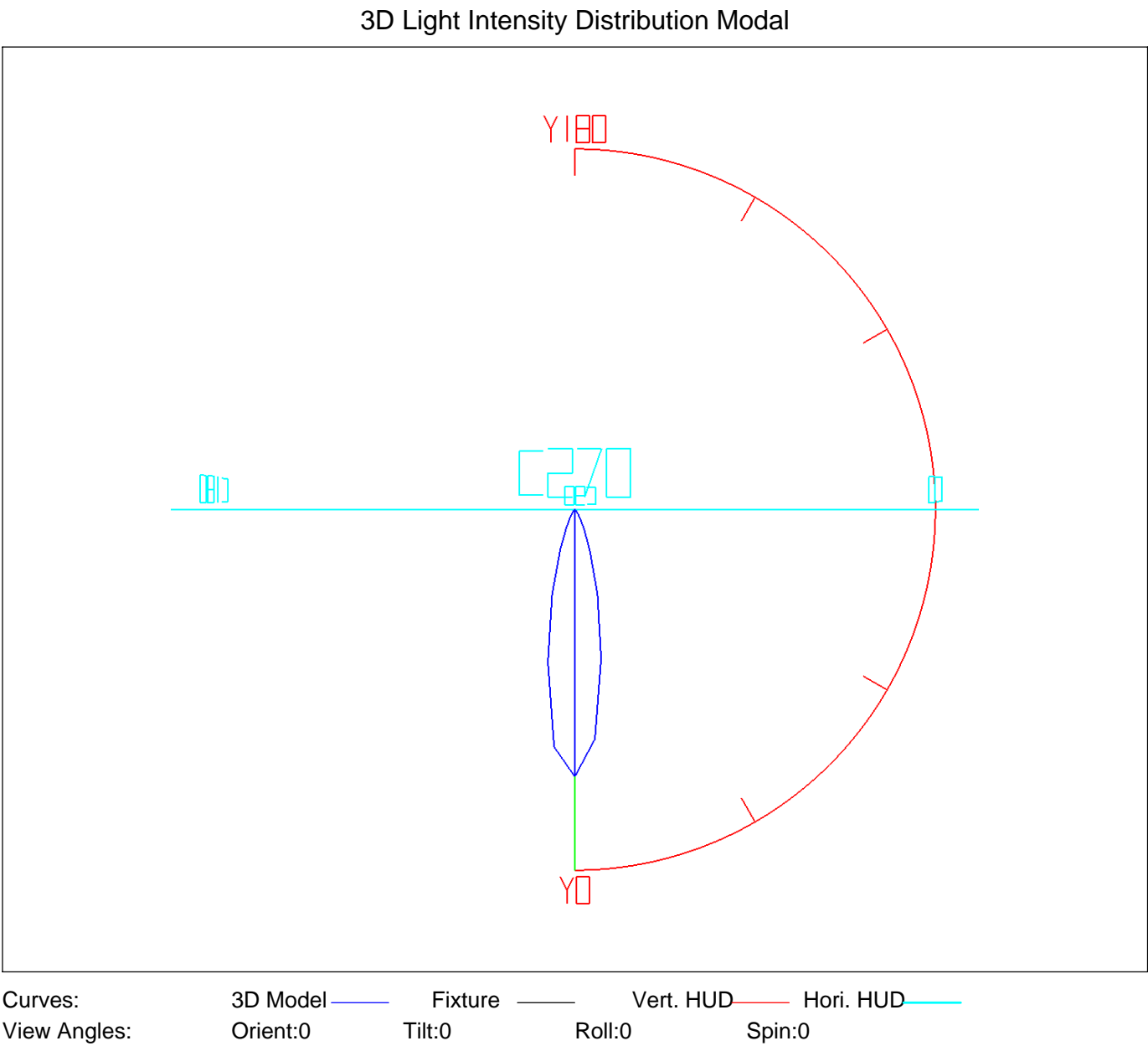
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm):1365.000	Luminary Flux(lm):1478.403	Field Angle(10%Imax):47.5(°)
Rated Power(W):	Luminary Efficiency:108.31%	Down Lumens&Percent:1469.554lm 99.40%
Rated Voltage(V):	Luminary EER(lm/W):86.863	Up Lumens&Percent:8.848lm 0.60%
Tested Power(W):17.020	Max. Candela(cd):6181.794	S/MH:C0_a180=0.386 C90_270=0.380
Lamps' Inside:1	Max Cand@Ang.(°):C=0.0 γ=0.0	CIE Type:Semi-Direct
Tested Electrics(V, A, pf):240.3, 0.080, 0.885	Beam Angle(50%Imax):23.0(°)	ErP ϕ use(90°):1403.816lm
Lamp Size(W*L*H):0.000m*0.000m*0.000m	Left=-11.6°, Right=11.4°	IRF(%):870.346



2D Plane Light Intensity Distribution Curve



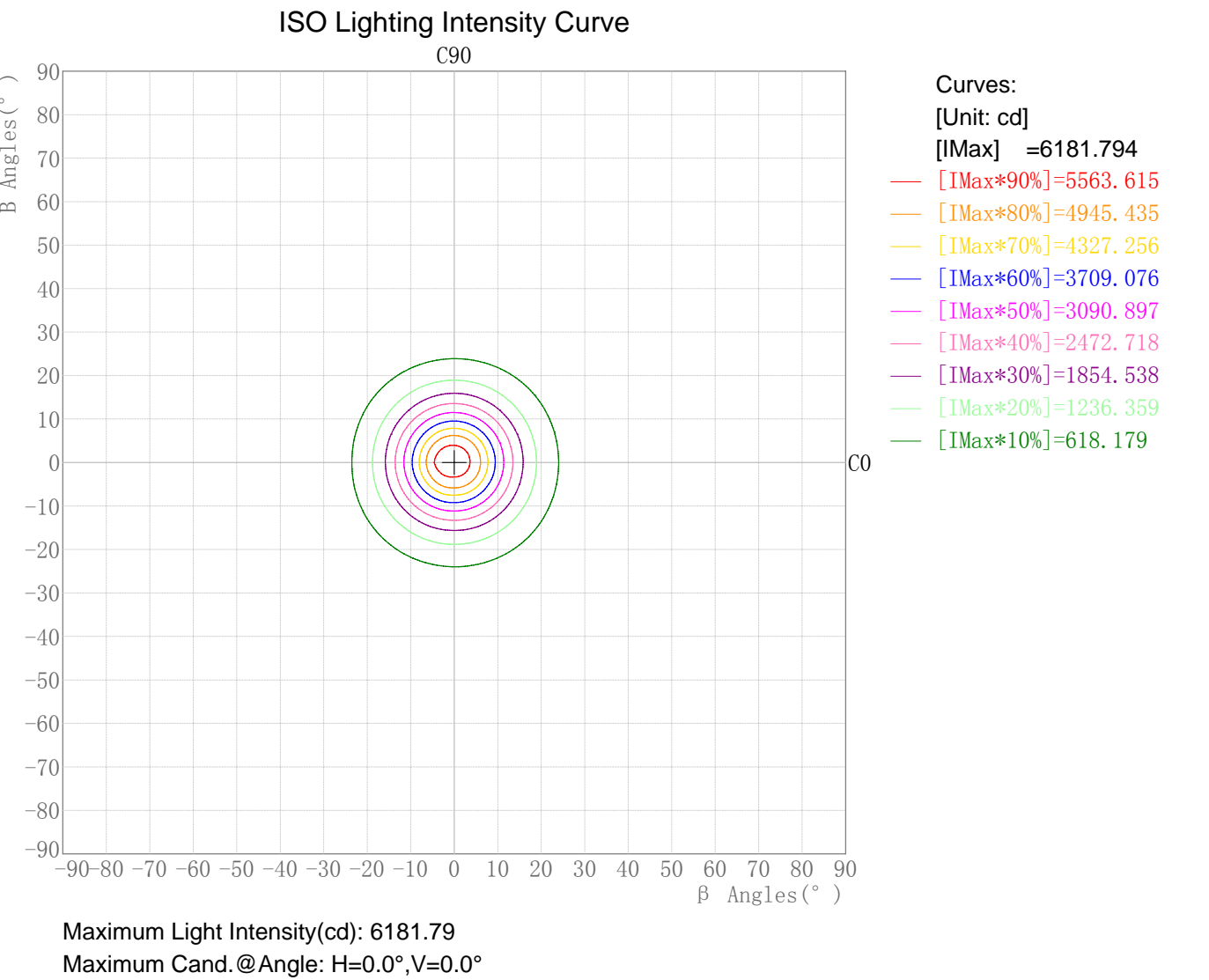
3D Light Intensity Distribution Modal



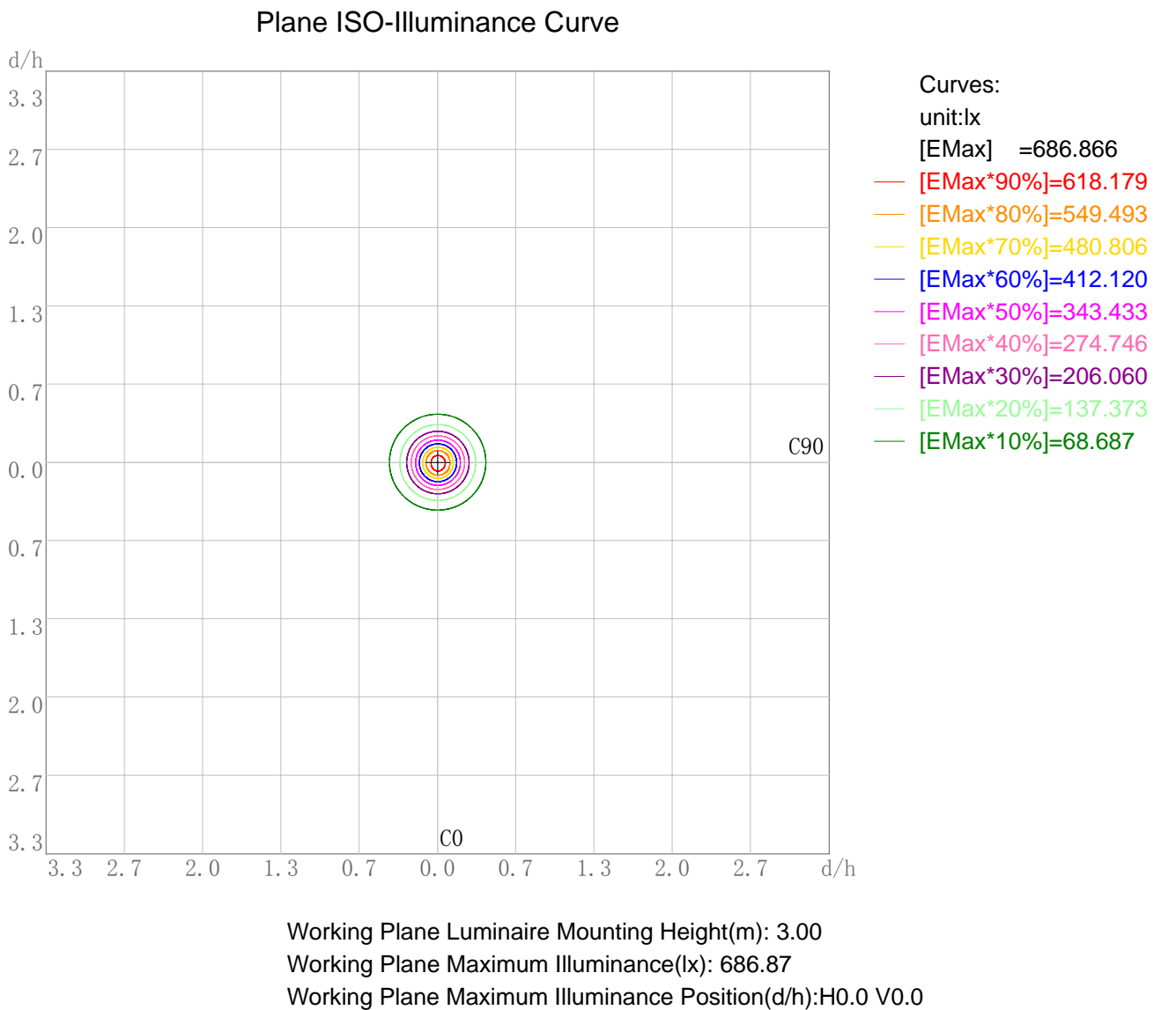
Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	138.11	138.11	10.12	10.12
5.0-10.0	317.74	455.86	23.28	33.40
10.0-15.0	327.98	783.84	24.03	57.42
15.0-20.0	249.40	1033.23	18.27	75.69
20.0-25.0	158.32	1191.56	11.60	87.29
25.0-30.0	96.38	1287.93	7.06	94.35
30.0-35.0	58.47	1346.40	4.28	98.64
35.0-40.0	35.48	1381.88	2.60	101.24
40.0-45.0	22.71	1404.59	1.66	102.90
45.0-50.0	16.33	1420.92	1.20	104.10
50.0-55.0	13.03	1433.95	0.95	105.05
55.0-60.0	10.87	1444.81	0.80	105.85
60.0-65.0	8.95	1453.76	0.66	106.50
65.0-70.0	6.91	1460.67	0.51	107.01
70.0-75.0	4.70	1465.38	0.34	107.35
75.0-80.0	2.50	1467.88	0.18	107.54
80.0-85.0	1.15	1469.03	0.08	107.62
85.0-90.0	0.53	1469.55	0.04	107.66
90.0-95.0	0.12	1469.68	0.01	107.67
95.0-100.0	0.02	1469.70	0.00	107.67
100.0-105.0	0.00	1469.70	0.00	107.67
105.0-110.0	0.00	1469.70	0.00	107.67
110.0-115.0	0.00	1469.70	0.00	107.67
115.0-120.0	0.00	1469.70	0.00	107.67
120.0-125.0	0.00	1469.70	0.00	107.67
125.0-130.0	0.00	1469.70	0.00	107.67
130.0-135.0	0.15	1469.84	0.01	107.68
135.0-140.0	0.54	1470.39	0.04	107.72
140.0-145.0	1.02	1471.41	0.07	107.80
145.0-150.0	1.36	1472.77	0.10	107.90
150.0-155.0	1.49	1474.26	0.11	108.00
155.0-160.0	1.41	1475.67	0.10	108.11
160.0-165.0	1.19	1476.86	0.09	108.19
165.0-170.0	0.86	1477.72	0.06	108.26
170.0-175.0	0.51	1478.23	0.04	108.30
175.0-180.0	0.17	1478.40	0.01	108.31

Rectangle ISO Lighting Intensity Diagram

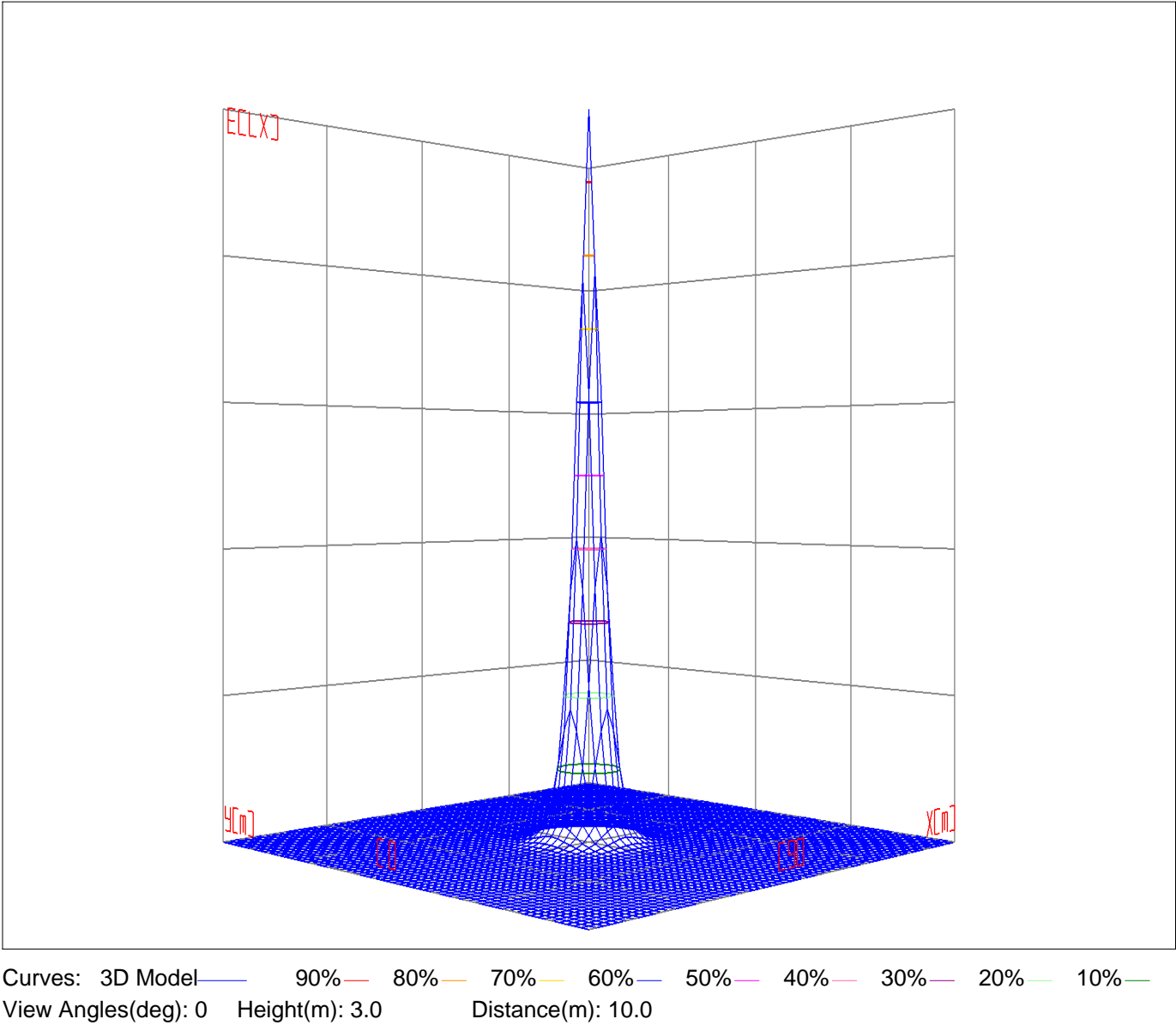


Plane ISO-Illuminance Diagram

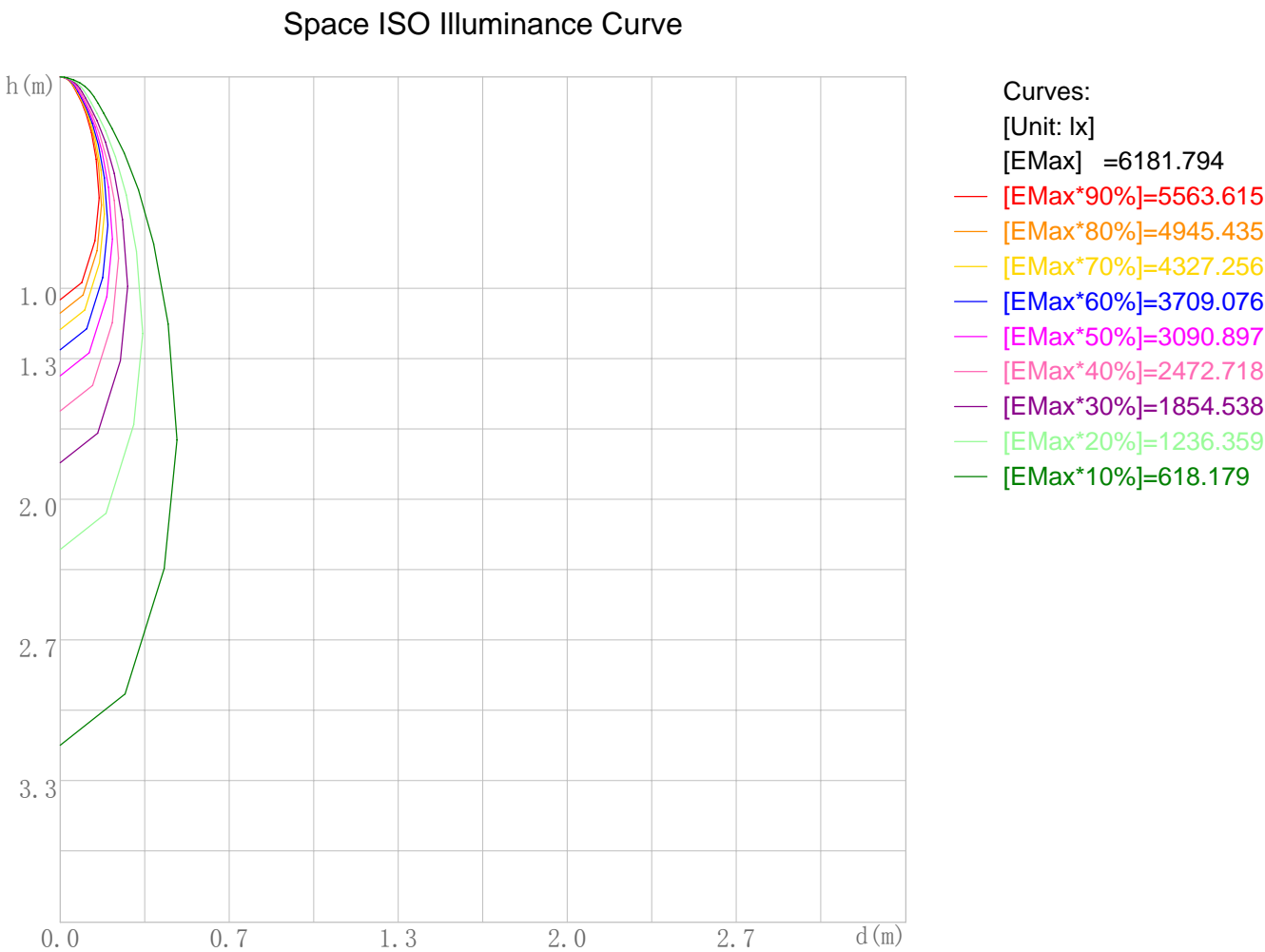


3D Plane ISO Illuminance Diagram

3D Plane Illuminance Modal

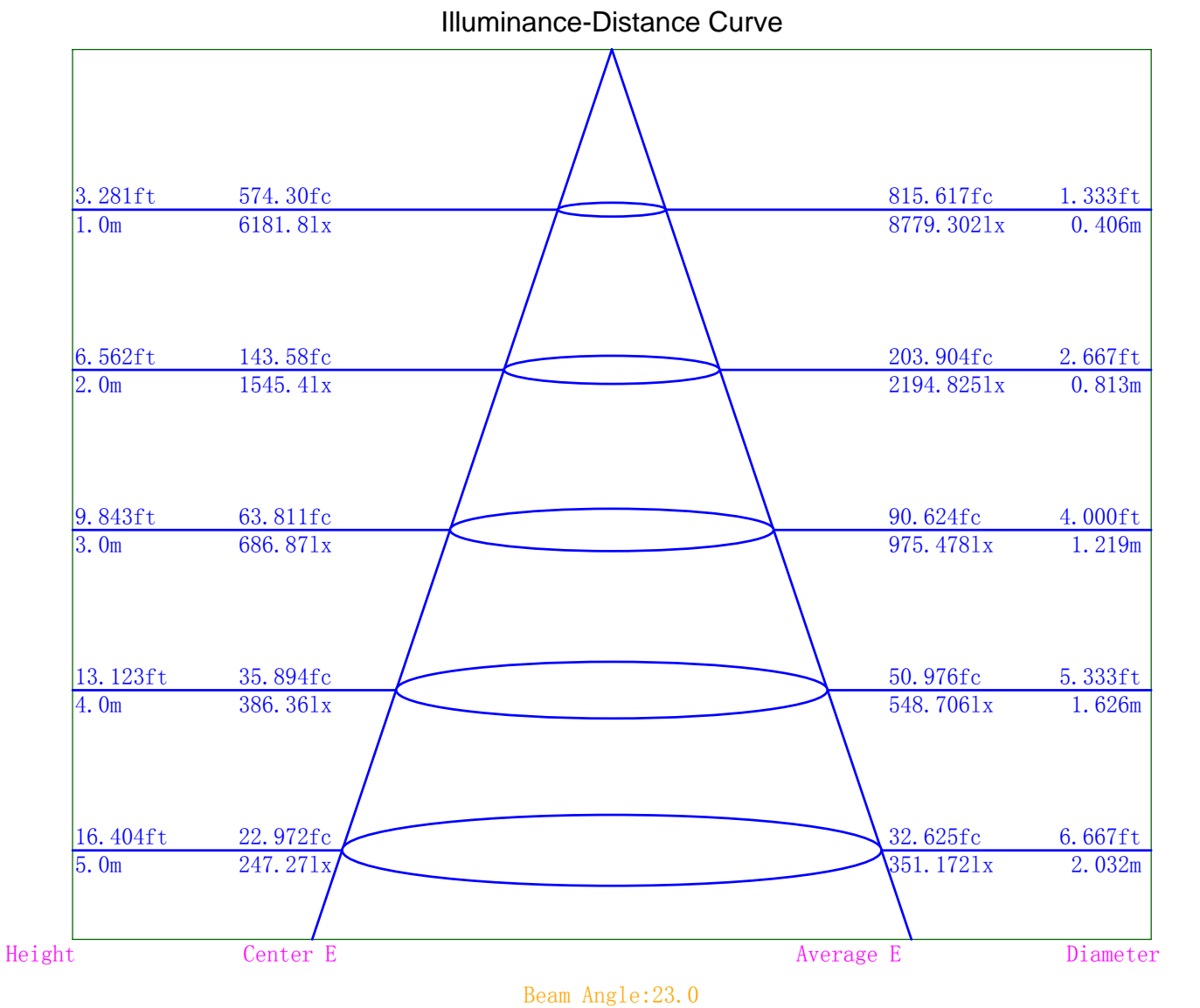


Space ISO Illuminance Diagram



Space Plane Maximum Illuminance and @Angle:6181.79lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:6181.794cd,0deg

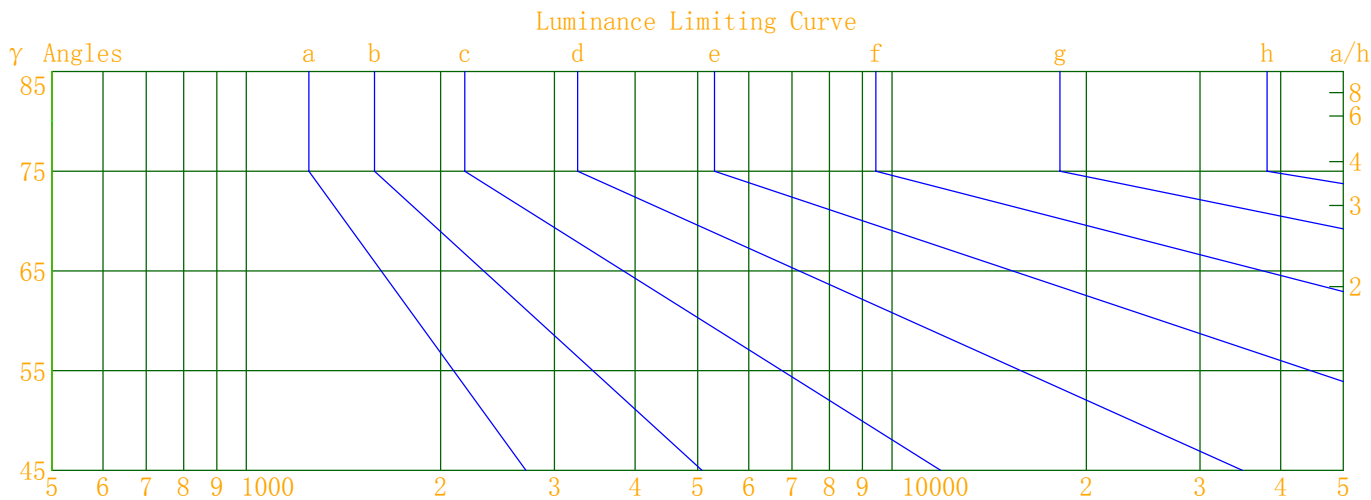
Illuminance-Distance Diagram



Indoor Luminance Limiting Curves

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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

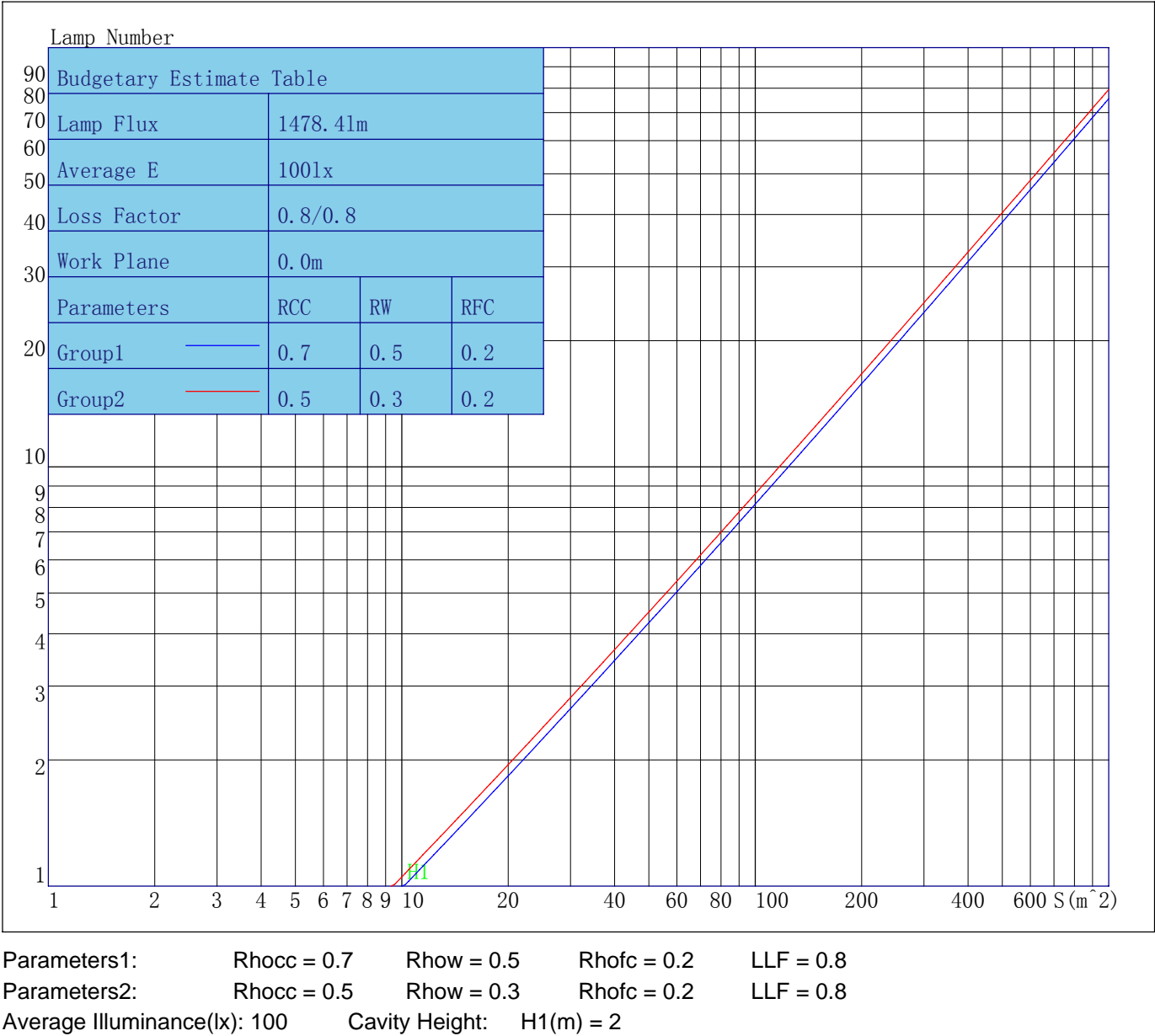


Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m^2)=0.000000

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table



Indoor Coefficient of Utilization Table

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	129	129	129	129	126	126	126	126	120	120	120	115	115	115	110	110	110	108
1	124	121	119	117	121	119	117	115	114	113	111	110	109	108	106	106	105	103
2	119	115	111	108	117	113	109	107	109	106	104	106	104	102	103	101	100	98
3	114	109	104	101	112	107	103	100	104	101	98	102	99	97	99	97	95	94
4	110	104	99	95	109	103	98	95	100	96	93	98	95	92	96	93	91	90
5	106	99	94	91	105	98	94	90	96	92	89	95	91	88	93	90	88	86
6	103	95	90	87	101	94	90	86	93	89	86	91	88	85	90	87	84	83
7	100	92	87	83	98	91	86	83	90	85	82	88	85	82	87	84	81	80
8	96	88	83	80	95	88	83	80	87	82	79	86	82	79	85	81	79	78
9	93	85	80	77	92	85	80	77	84	80	77	83	79	76	82	79	76	75
10	91	83	78	75	90	82	78	75	81	77	74	81	77	74	80	76	74	73

Unified Glare Rating Table

Lum. Name: MD01-17-24°	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: lamps and lanterns	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2017/06/20

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	0.0	1.1	0.4	1.5	1.8	0.0	1.1	0.4	1.5	1.8	
	Y=3H	-0.2	0.8	0.2	1.2	1.5	-0.2	0.8	0.2	1.2	1.5
	Y=4H	-0.3	0.6	0.1	1.0	1.4	-0.3	0.6	0.1	1.0	1.4
	Y=6H	-0.4	0.5	0.0	0.8	1.3	-0.4	0.5	0.0	0.8	1.3
	Y=8H	-0.5	0.4	-0.0	0.8	1.2	-0.5	0.4	-0.0	0.8	1.2
	Y=12H	-0.5	0.3	-0.1	0.7	1.1	-0.5	0.3	-0.1	0.7	1.1
X=4H Y=2H	-0.3	0.6	0.1	1.0	1.4	-0.3	0.6	0.1	1.0	1.4	
	Y=3H	-0.5	0.3	-0.1	0.7	1.1	-0.5	0.3	-0.1	0.7	1.1
	Y=4H	-0.6	0.1	-0.2	0.5	1.0	-0.6	0.1	-0.2	0.5	1.0
	Y=6H	-0.8	-0.1	-0.3	0.3	0.8	-0.8	-0.1	-0.3	0.3	0.8
	Y=8H	-0.8	-0.2	-0.3	0.2	0.7	-0.8	-0.2	-0.3	0.2	0.7
	Y=12H	-0.9	-0.3	-0.4	0.2	0.6	-0.9	-0.3	-0.4	0.2	0.6
X=8H Y=4H	-0.8	-0.2	-0.3	0.2	0.7	-0.8	-0.2	-0.3	0.2	0.7	
	Y=6H	-1.0	-0.4	-0.5	0.1	0.6	-1.0	-0.4	-0.5	0.1	0.6
	Y=8H	-1.0	-0.6	-0.5	-0.0	0.5	-1.0	-0.6	-0.5	-0.0	0.5
	Y=12H	-1.1	-0.7	-0.6	-0.2	0.4	-1.1	-0.7	-0.6	-0.2	0.4
X=12H Y=4H	-0.9	-0.3	-0.4	0.2	0.6	-0.9	-0.3	-0.4	0.2	0.6	
	Y=6H	-1.0	-0.5	-0.5	-0.1	0.5	-1.0	-0.5	-0.5	-0.1	0.5
	Y=8H	-1.1	-0.7	-0.6	-0.2	0.4	-1.1	-0.7	-0.6	-0.2	0.4
Variations with the objverver position at spacings											
S=1.0H	0.0/0.0					0.0/0.0					
S=1.5H	0.0/0.0					0.0/0.0					
S=2.0H	0.0/0.0					0.0/0.0					
Reduced UGR Table:											
Nordic Standard Table:	BK0					BK0					
Correction Value	0.0					0.0					

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

IES EQUIVALENT

Photometric Filename:KA17L24BTC.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	6181.79	6181.79	6181.79	6181.79
γ 5.0	5331.46	5398.75	5510.28	5245.04
γ 10.0	3501.82	3537.79	3582.37	3421.01
γ 15.0	2023.25	2046.14	2029.47	1974.27
γ 20.0	1018.70	1016.43	985.64	1010.82
γ 25.0	518.86	503.75	465.21	518.66
γ 30.0	271.65	266.06	227.96	274.16
γ 35.0	145.44	142.15	115.76	145.01
γ 40.0	81.40	77.39	63.55	79.83
γ 45.0	51.30	46.86	40.89	49.38
γ 50.0	36.52	32.25	30.97	35.14
γ 55.0	28.30	24.25	24.83	27.39
γ 60.0	22.26	18.94	20.30	21.78
γ 65.0	17.10	14.38	15.76	16.68
γ 70.0	12.22	10.03	11.16	11.89
γ 75.0	7.25	5.93	6.46	7.04
γ 80.0	3.08	2.17	2.37	3.08
γ 85.0	1.94	1.18	1.26	1.84
γ 90.0	0.78	0.08	0.11	0.54
γ 95.0	0.29	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00
γ 105.0	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00
γ 125.0	0.00	0.00	0.00	0.00
γ 130.0	0.00	0.00	0.00	0.00
γ 135.0	0.39	0.40	1.14	0.95
γ 140.0	1.92	1.83	2.66	2.48
γ 145.0	3.55	3.47	4.44	4.14
γ 150.0	5.05	4.96	5.89	5.47
γ 155.0	6.23	6.05	6.92	6.45
γ 160.0	6.99	6.72	7.57	6.99
γ 165.0	7.29	7.04	7.73	7.20
γ 170.0	7.27	7.08	7.59	6.97
γ 175.0	7.12	7.08	7.38	6.82
γ 180.0	7.14	7.14	7.14	7.14