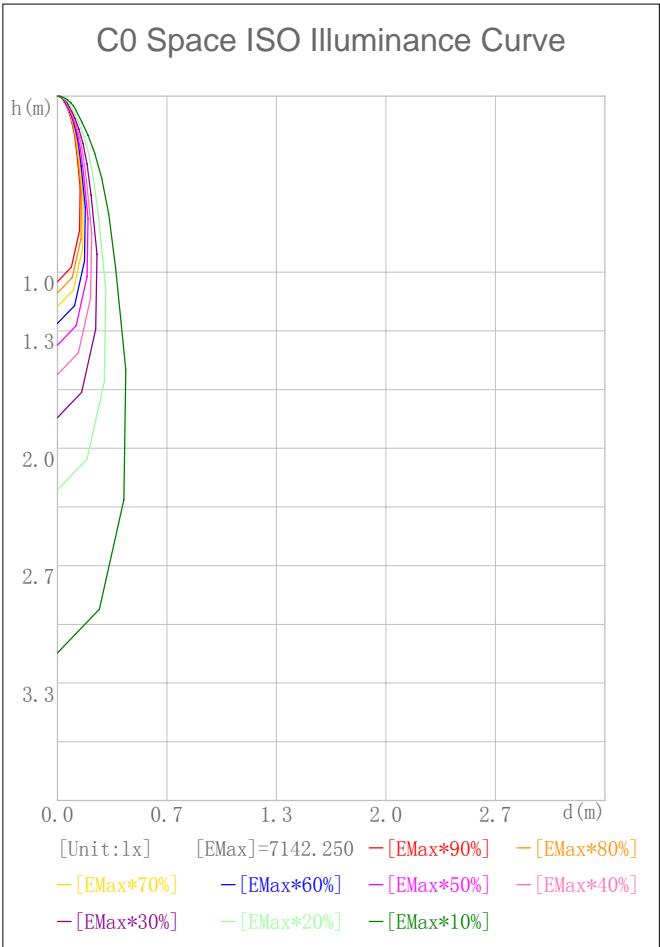
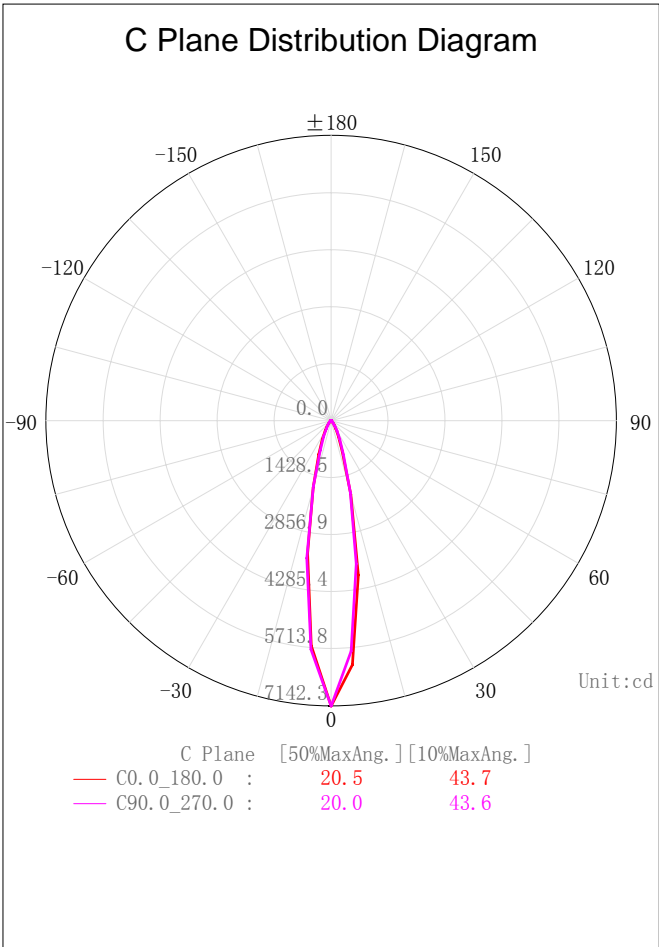


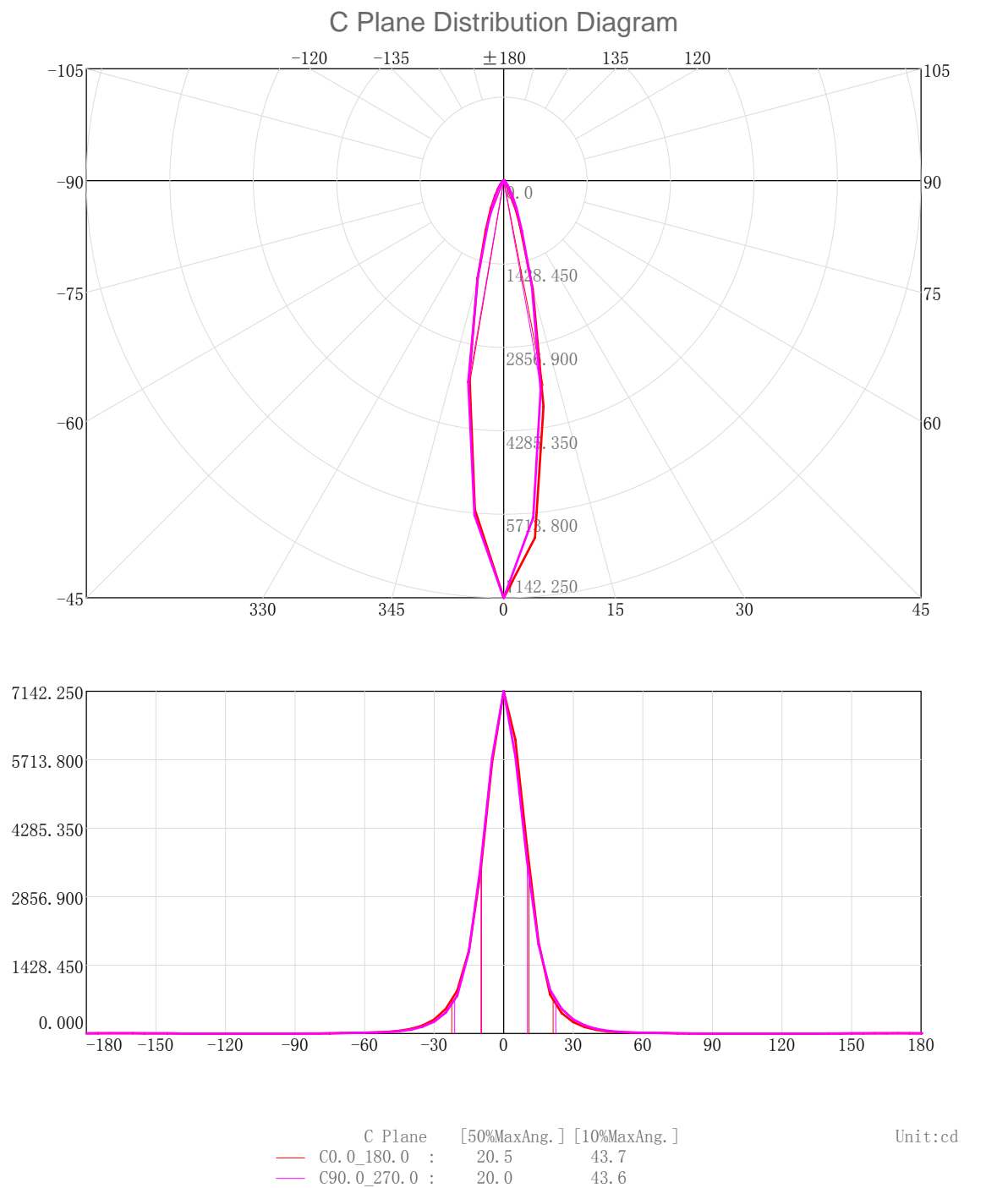
Indoor Luminaire Photometric Data

Character Parameter

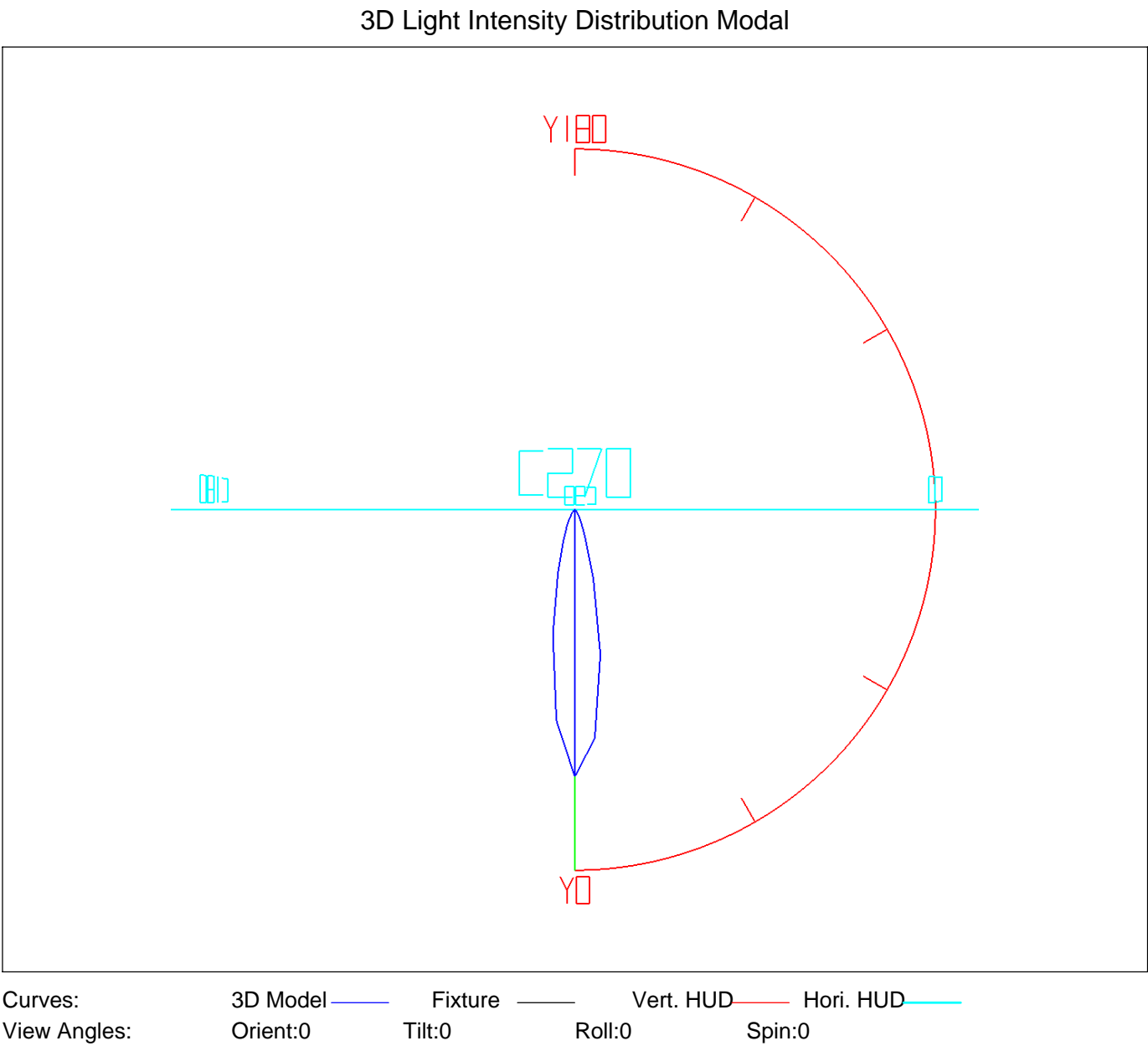
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm):1357.000	Luminary Flux(lm):1470.476	Field Angle(10%Imax):43.7(°)
Rated Power(W):	Luminary Efficiency:108.36%	Down Lumens&Percent:1461.495lm 99.39%
Rated Voltage(V):	Luminary EER(lm/W):86.549	Up Lumens&Percent:8.981lm 0.61%
Tested Power(W):16.990	Max.Candela(cd):7142.250	S/MH:C0_a180=0.348 C90_270=0.340
Lamps' Inside:1	Max Cand@Ang.(°):C=0.0 γ=0.0	CIE Type:Semi-Direct
Tested Electrics(V, A, pf):240.2, 0.079, 0.886	Beam Angle(50%Imax):20.5(°)	ErP ϕ use(90°):1403.398lm
Lamp Size(W*L*H):0.000m*0.000m*0.000m	Left=-9.6°, Right=10.9°	IRF(%):1009.438



2D Plane Light Intensity Distribution Curve



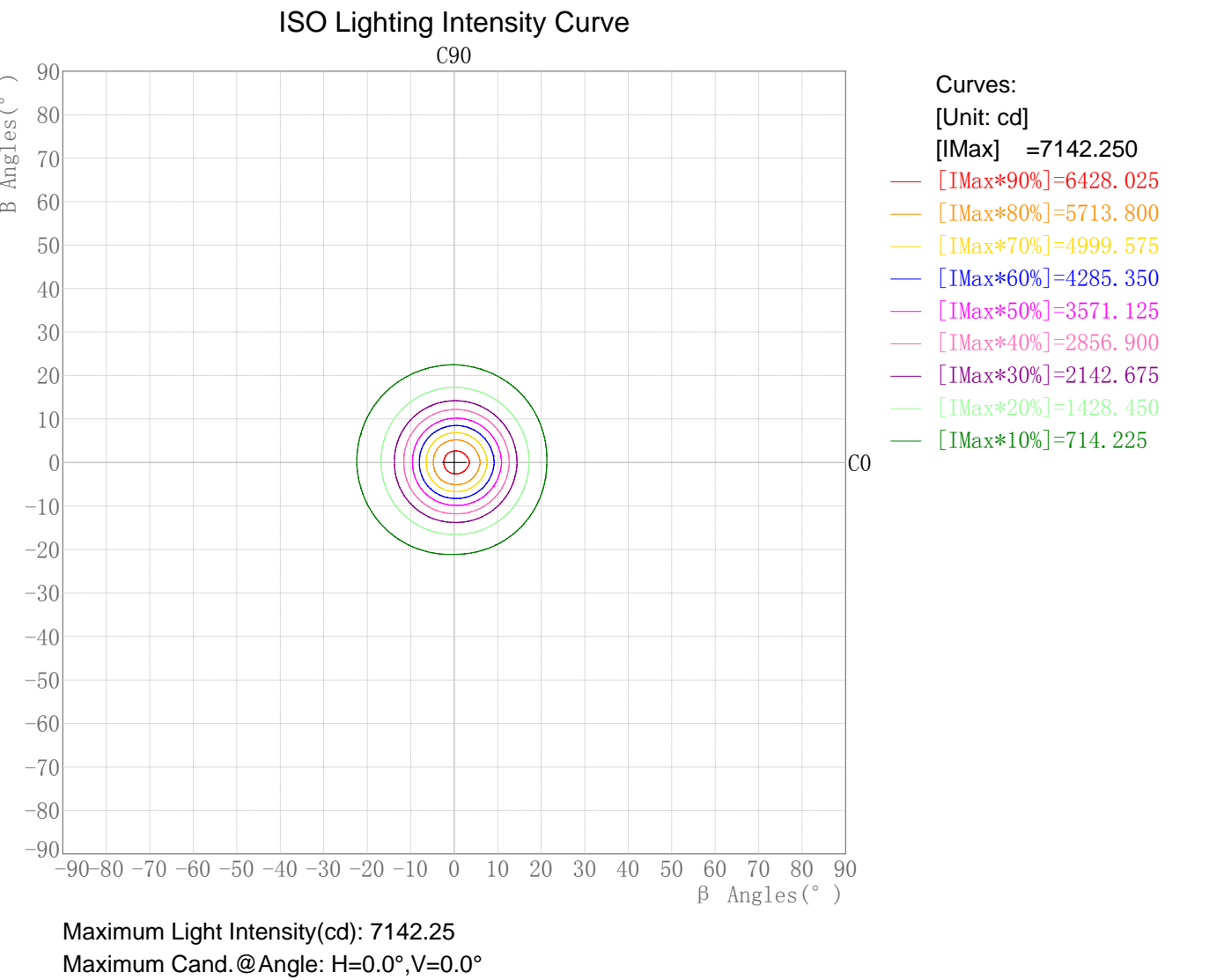
3D Light Intensity Distribution Modal



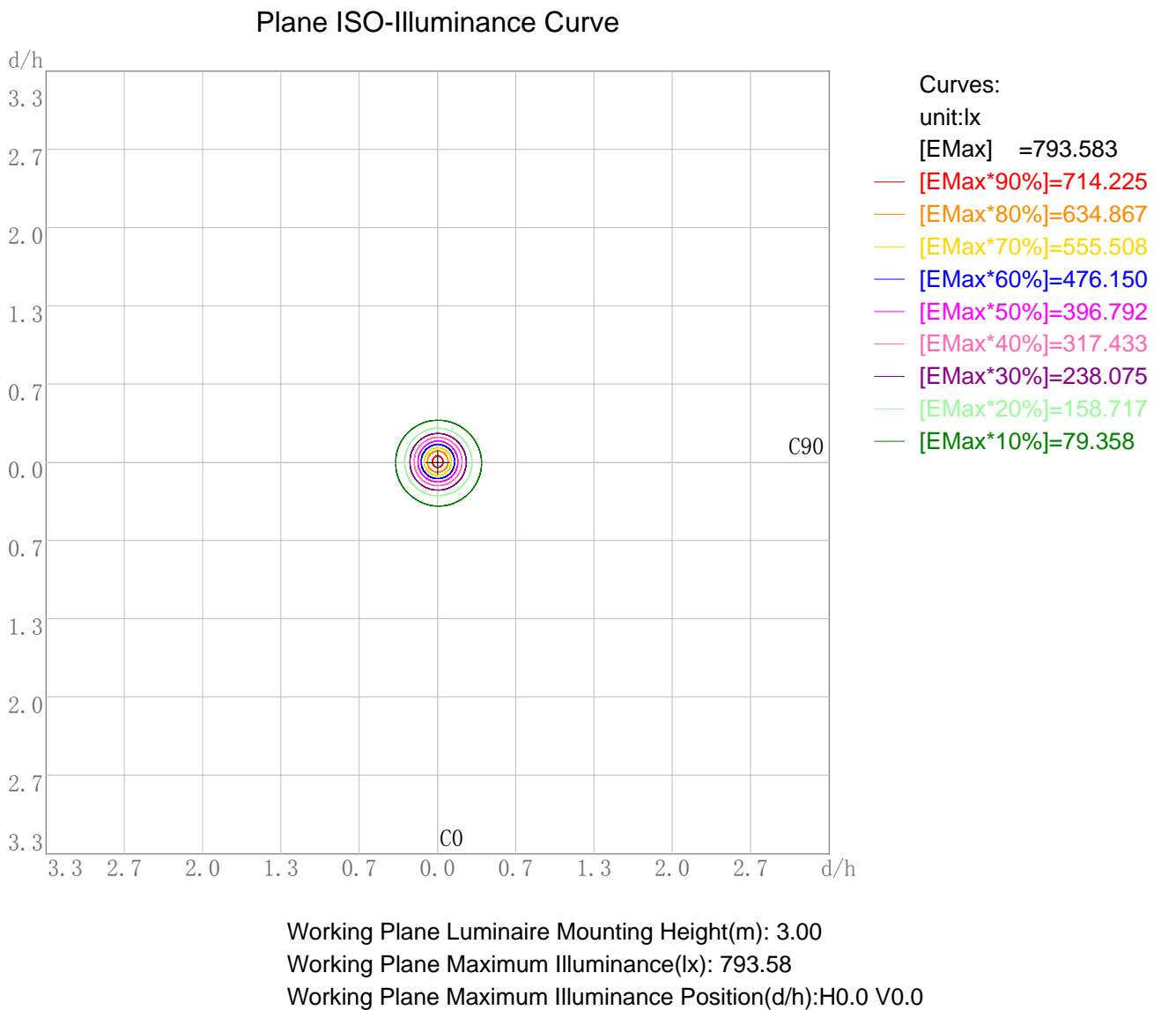
Zonal Flux Tabulation

Zone( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	155.10	155.10	11.43	11.43
5.0-10.0	337.78	492.88	24.89	36.32
10.0-15.0	321.17	814.06	23.67	59.99
15.0-20.0	219.03	1033.09	16.14	76.13
20.0-25.0	139.39	1172.48	10.27	86.40
25.0-30.0	94.29	1266.77	6.95	93.35
30.0-35.0	62.67	1329.44	4.62	97.97
35.0-40.0	40.97	1370.41	3.02	100.99
40.0-45.0	26.54	1396.95	1.96	102.94
45.0-50.0	17.73	1414.68	1.31	104.25
50.0-55.0	12.91	1427.59	0.95	105.20
55.0-60.0	10.27	1437.86	0.76	105.96
60.0-65.0	8.39	1446.25	0.62	106.58
65.0-70.0	6.49	1452.74	0.48	107.06
70.0-75.0	4.49	1457.23	0.33	107.39
75.0-80.0	2.51	1459.73	0.18	107.57
80.0-85.0	1.19	1460.93	0.09	107.66
85.0-90.0	0.57	1461.49	0.04	107.70
90.0-95.0	0.14	1461.64	0.01	107.71
95.0-100.0	0.01	1461.65	0.00	107.71
100.0-105.0	0.00	1461.65	0.00	107.71
105.0-110.0	0.00	1461.65	0.00	107.71
110.0-115.0	0.00	1461.65	0.00	107.71
115.0-120.0	0.00	1461.65	0.00	107.71
120.0-125.0	0.00	1461.65	0.00	107.71
125.0-130.0	0.01	1461.65	0.00	107.71
130.0-135.0	0.16	1461.81	0.01	107.72
135.0-140.0	0.56	1462.37	0.04	107.76
140.0-145.0	1.04	1463.41	0.08	107.84
145.0-150.0	1.39	1464.80	0.10	107.94
150.0-155.0	1.51	1466.31	0.11	108.06
155.0-160.0	1.43	1467.74	0.11	108.16
160.0-165.0	1.19	1468.93	0.09	108.25
165.0-170.0	0.87	1469.80	0.06	108.31
170.0-175.0	0.51	1470.31	0.04	108.35
175.0-180.0	0.17	1470.48	0.01	108.36

Rectangle ISO Lighting Intensity Diagram

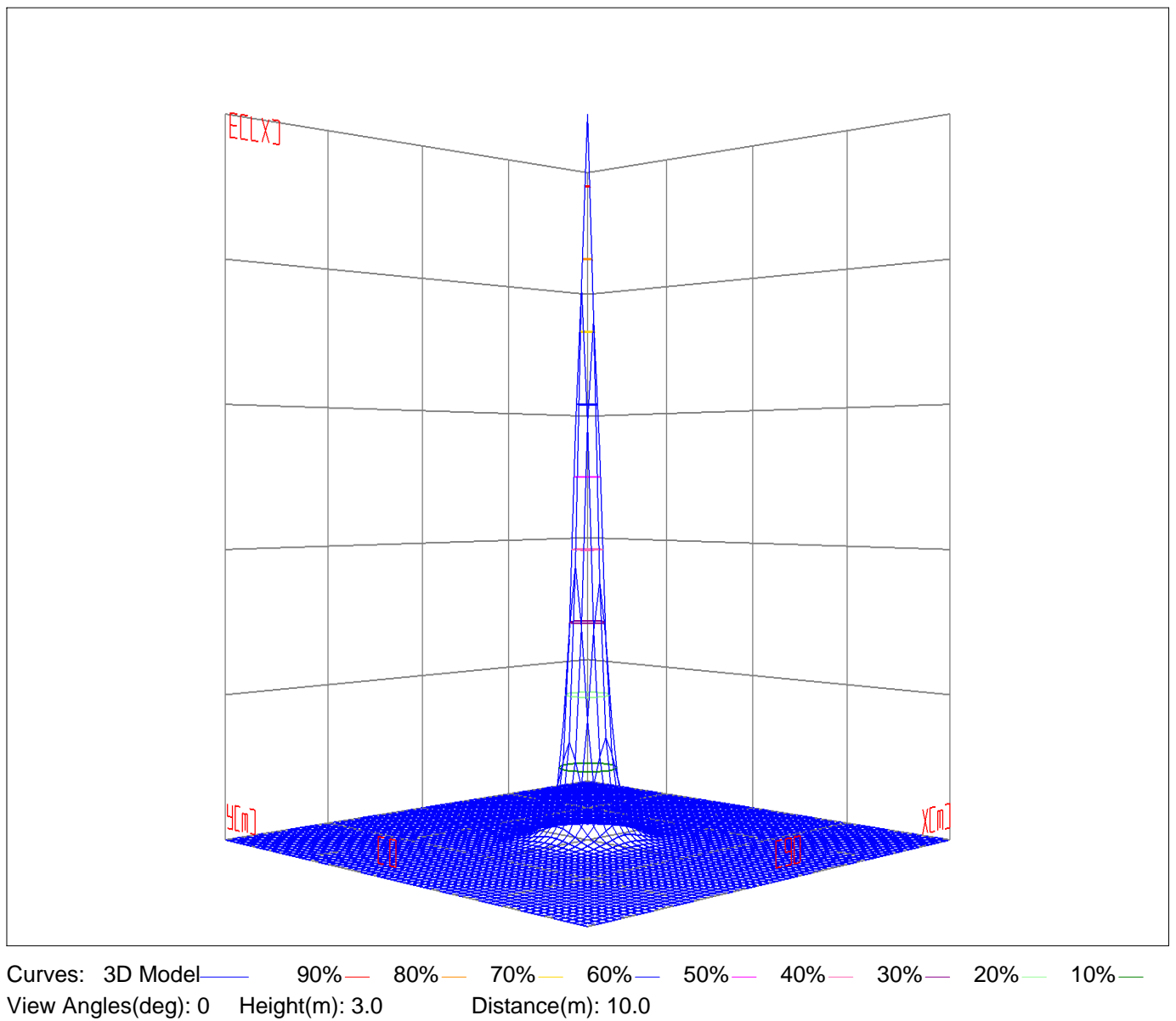


Plane ISO-Illuminance Diagram

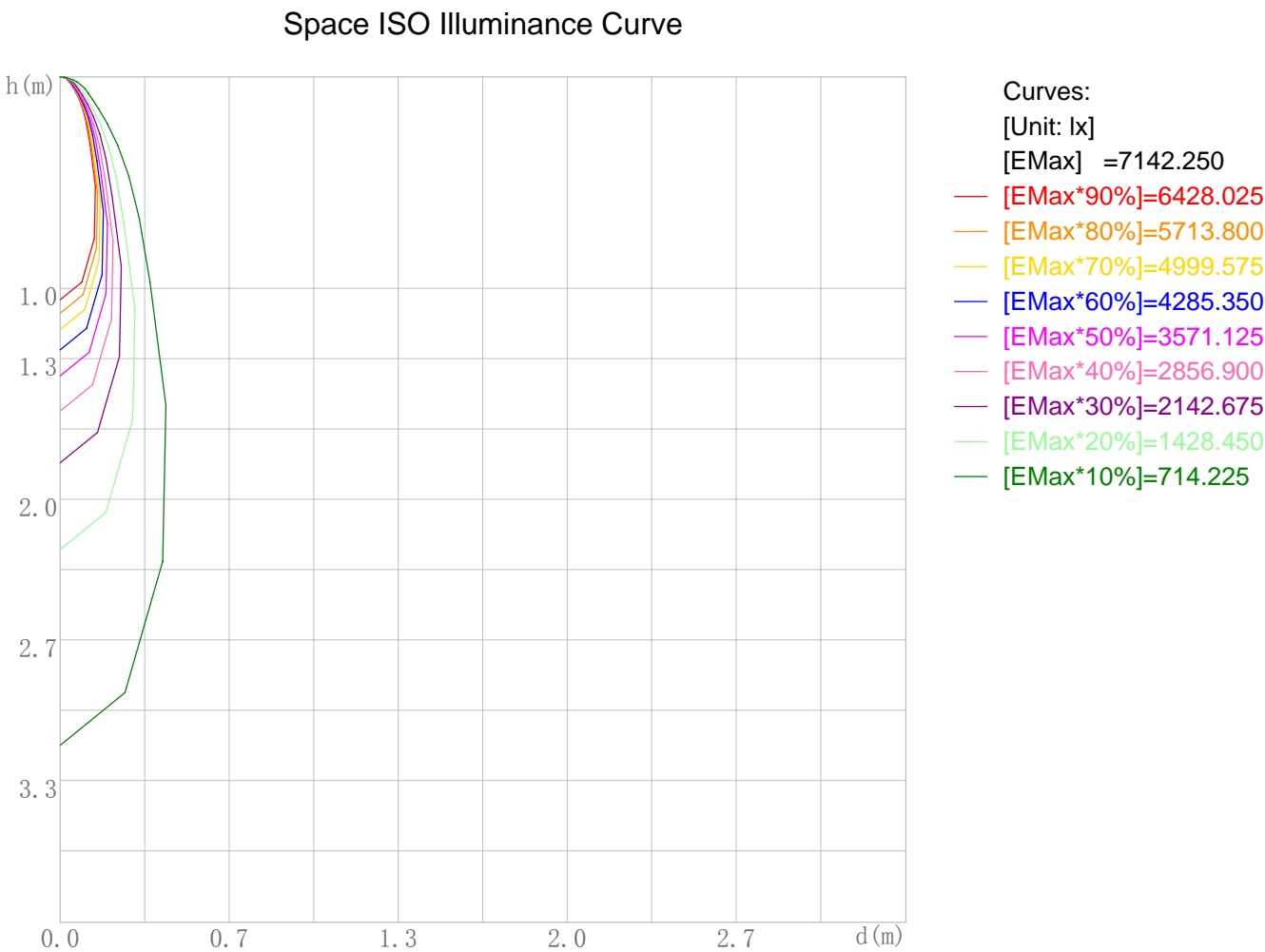


### 3D Plane ISO Illuminance Diagram

### 3D Plane Illuminance Modal



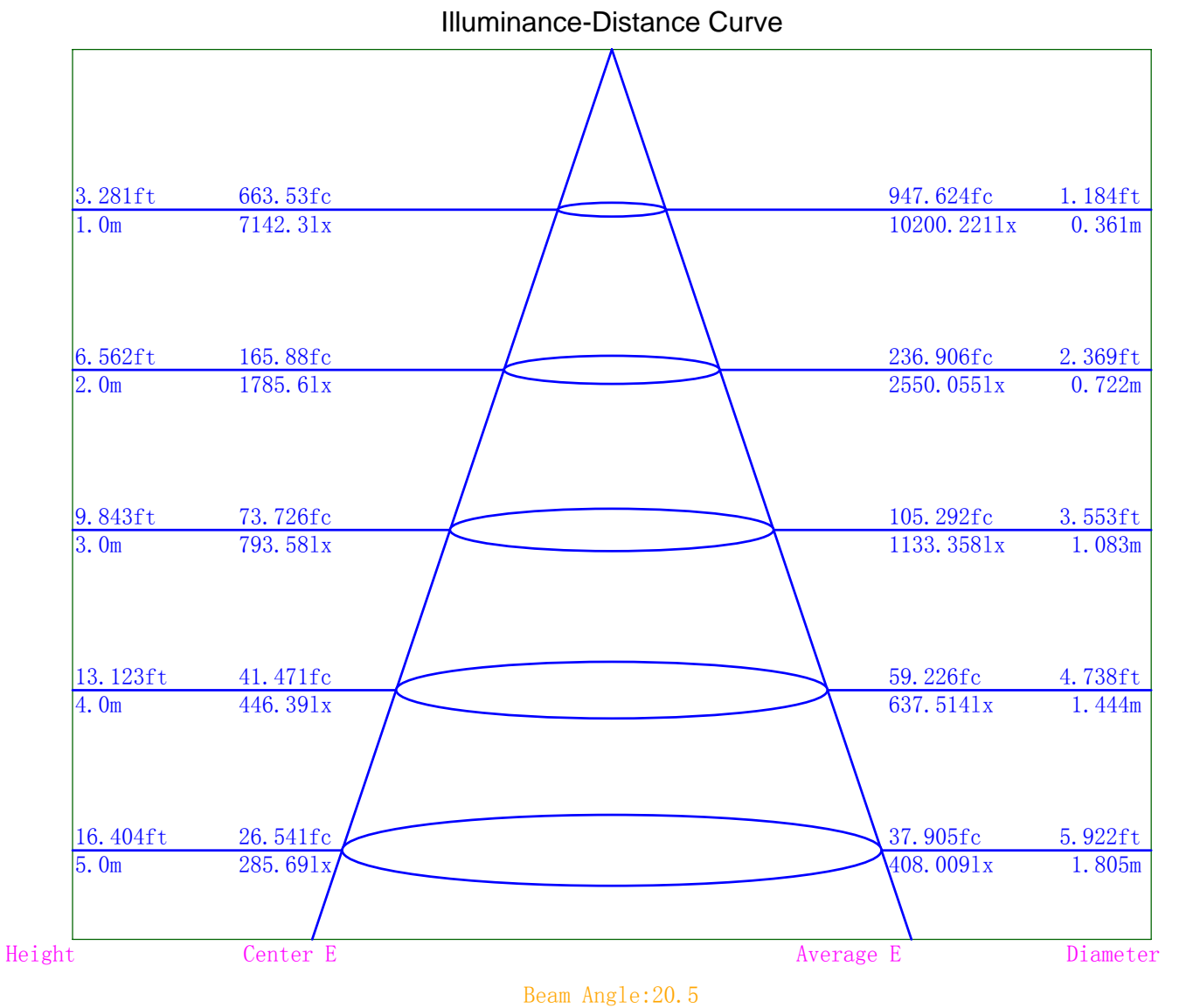
Space ISO Illuminance Diagram



Space Plane Maximum Illuminance and @Angle:7142.25lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:7142.250cd,0deg



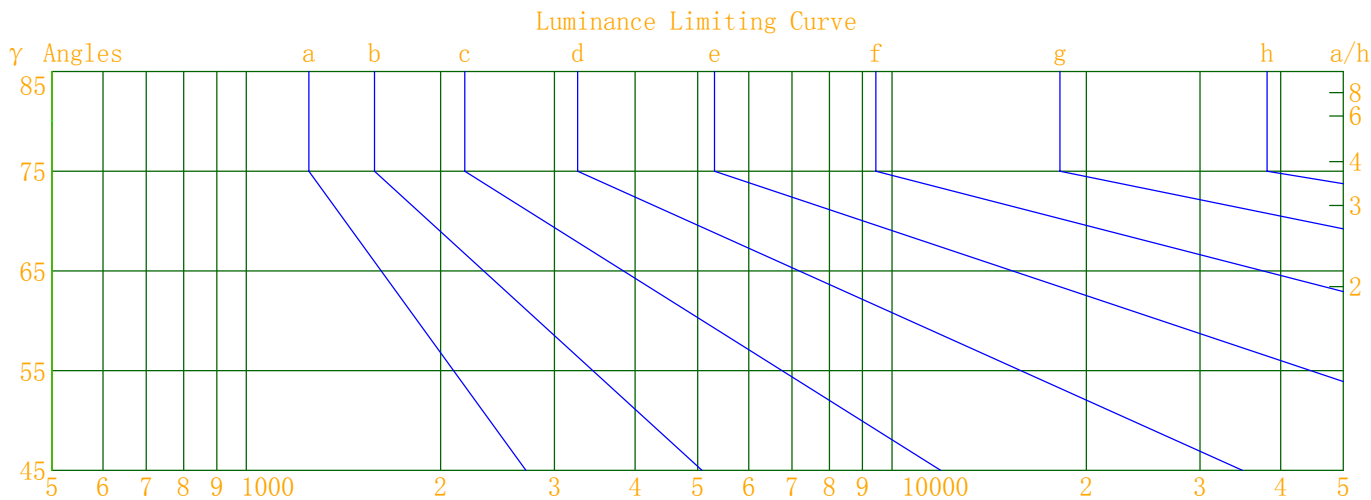
Illuminance-Distance Diagram



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

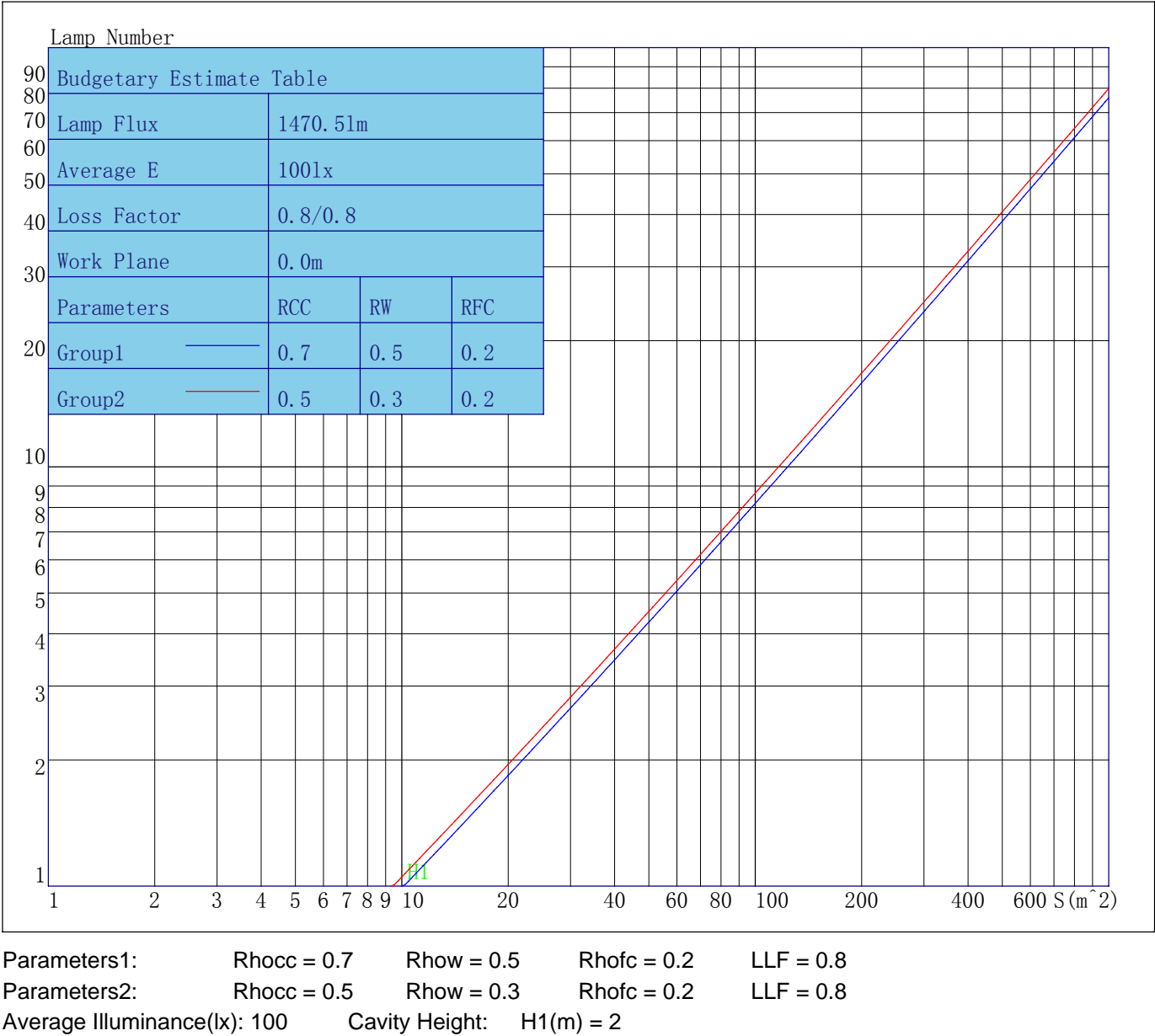


Luminous Size:    Length(m)=0.000    Width(m)=0.000    Height(m)=0.000    Area(m^2)=0.000000

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

Unified Glare Rating Table

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	1.4	1.8	0.0	1.1	0.4	1.4	1.8	
	Y=3H	-0.2	0.8	0.2	1.1	1.5	-0.2	0.8	0.2	1.1	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	0.4	0.0	0.8	1.2	-0.4	0.4	0.0	0.8	1.2
	Y=8H	-0.5	0.3	-0.0	0.7	1.2	-0.5	0.3	-0.0	0.7	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	-0.7	0.1	-0.2	0.5	1.0	-0.7	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	-0.4	0.2	0.7	-0.8	-0.2	-0.4	0.2	0.7
	Y=12H	-0.9	-0.4	-0.4	0.1	0.6	-0.9	-0.4	-0.4	0.1	0.6
X=8H Y=4H	-0.8	-0.2	-0.4	0.2	0.7	-0.8	-0.2	-0.4	0.2	0.7	
	Y=6H	-1.0	-0.5	-0.5	0.1	0.6	-1.0	-0.5	-0.5	0.1	0.6
	Y=8H	-1.1	-0.6	-0.5	-0.0	0.5	-1.1	-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	-0.4	-0.4	0.1	0.6	-0.9	-0.4	-0.4	0.1	0.6	
	Y=6H	-1.0	-0.6	-0.5	-0.1	0.5	-1.0	-0.6	-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 objerver 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:KA17L15BTC.IES

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Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	7142.25	7142.25	7142.25	7142.25
γ 5.0	6134.90	5791.06	5654.44	5746.92
γ 10.0	3928.54	3637.76	3378.81	3496.96
γ 15.0	1915.07	1863.97	1729.43	1706.59
γ 20.0	813.46	910.68	897.34	794.41
γ 25.0	428.70	516.66	516.37	438.36
γ 30.0	240.99	297.38	293.88	248.01
γ 35.0	136.55	172.78	169.96	142.86
γ 40.0	77.99	99.43	99.54	83.14
γ 45.0	46.38	58.35	59.03	49.47
γ 50.0	30.54	36.78	38.07	32.37
γ 55.0	22.83	25.82	27.38	23.67
γ 60.0	18.18	19.83	21.06	18.89
γ 65.0	14.20	14.96	16.16	14.77
γ 70.0	10.44	10.20	11.24	10.60
γ 75.0	6.74	6.12	6.61	6.79
γ 80.0	2.96	2.39	2.68	3.16
γ 85.0	1.77	1.24	1.50	1.85
γ 90.0	0.73	0.23	0.30	0.68
γ 95.0	0.14	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	0.12
γ 135.0	0.47	0.23	1.14	1.14
γ 140.0	1.95	1.77	2.72	2.67
γ 145.0	3.62	3.50	4.47	4.33
γ 150.0	5.13	4.97	5.96	5.72
γ 155.0	6.36	6.06	6.95	6.66
γ 160.0	7.11	6.68	7.52	7.09
γ 165.0	7.35	7.02	7.76	7.15
γ 170.0	7.35	7.13	7.61	7.07
γ 175.0	7.10	6.94	7.32	6.69
γ 180.0	7.01	7.01	7.01	7.01