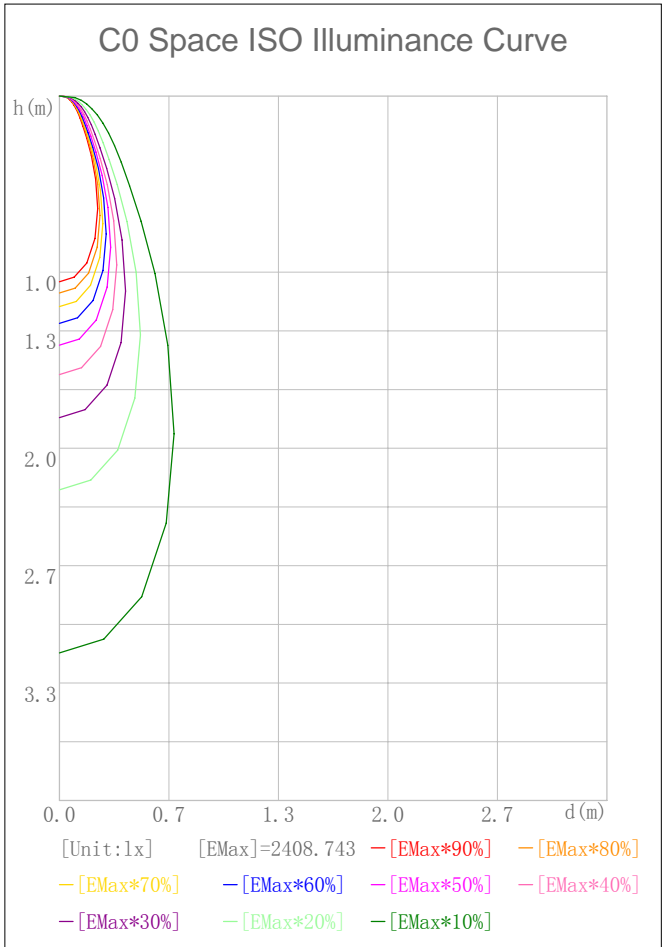
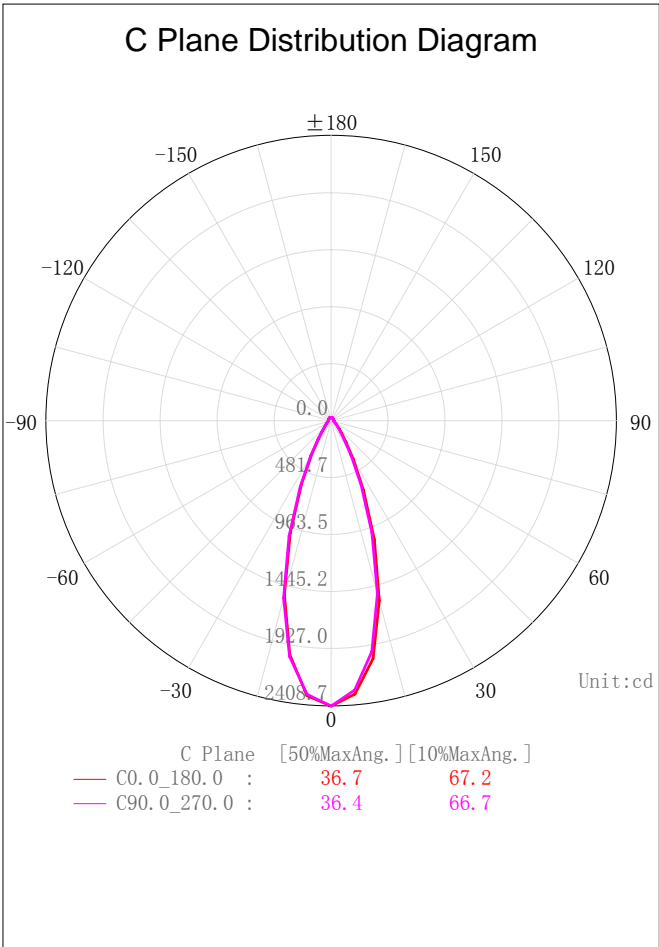


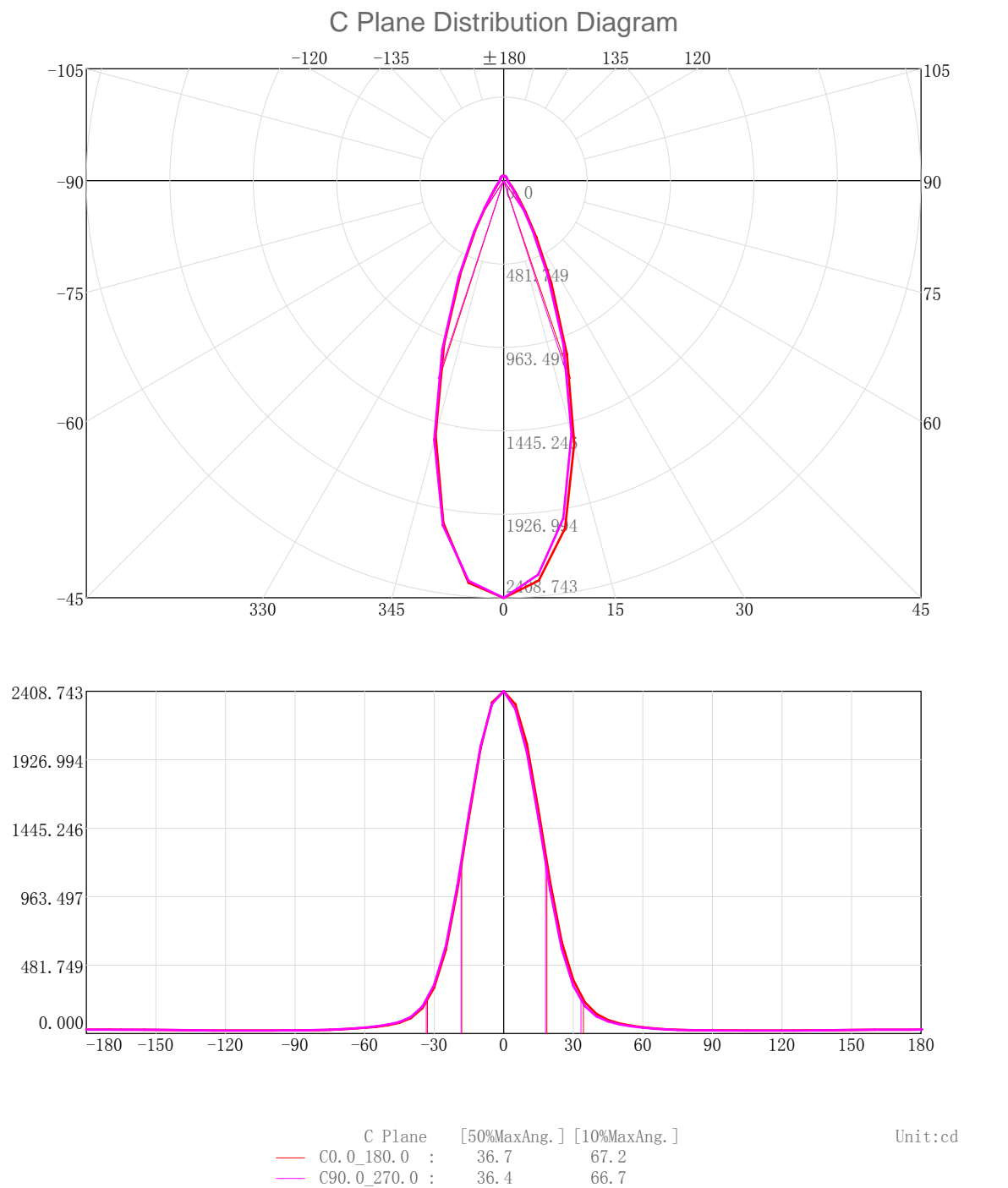
Indoor Luminaire Photometric Data

Character Parameter

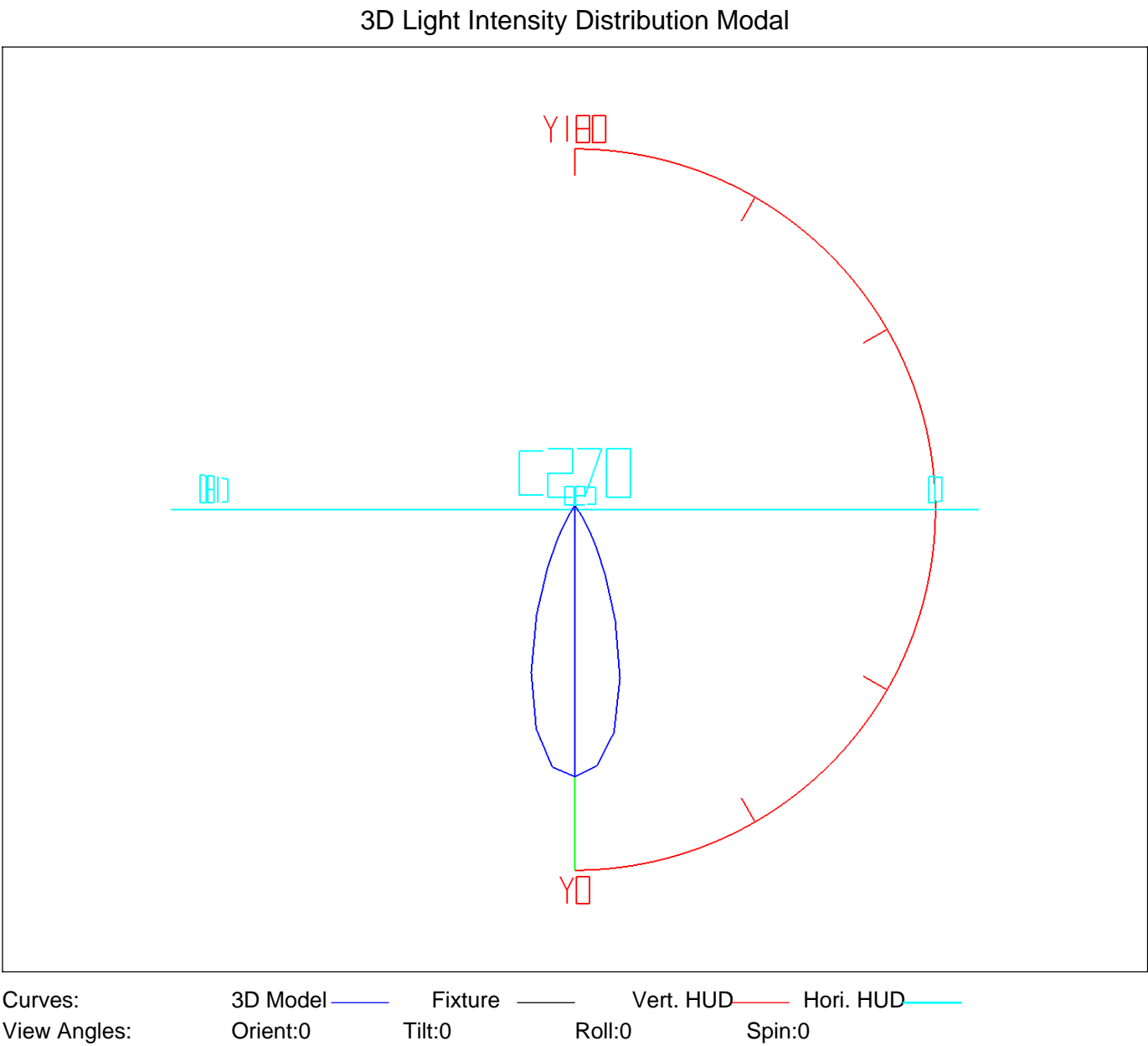
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm):1298.000	Luminary Flux(lm):1412.534	Field Angle(10%Imax):67.2(°)
Rated Power(W):	Luminary Efficiency:108.82%	Down Lumens&Percent:1266.087lm 89.63%
Rated Voltage(V):	Luminary EER(lm/W):83.237	Up Lumens&Percent:146.447lm 10.37%
Tested Power(W):16.970	Max. Candela(cd):2408.743	S/MH:C0_a180=0.603 C90_270=0.598
Lamps' Inside:1	Max Cand@Ang. (°):C=0.0 γ=0.0	CIE Type:General Diffuse
Tested Electrics (V, A, pf):240.1, 0.080, 0.881	Beam Angle(50%Imax):36.7(°)	ErP ϕ use(90°):1089.920lm
Lamp Size(W*L*H):0.000m*0.000m*0.000m	Left=-18.1°, Right=18.6°	IRF(%):432.340



2D Plane Light Intensity Distribution Curve



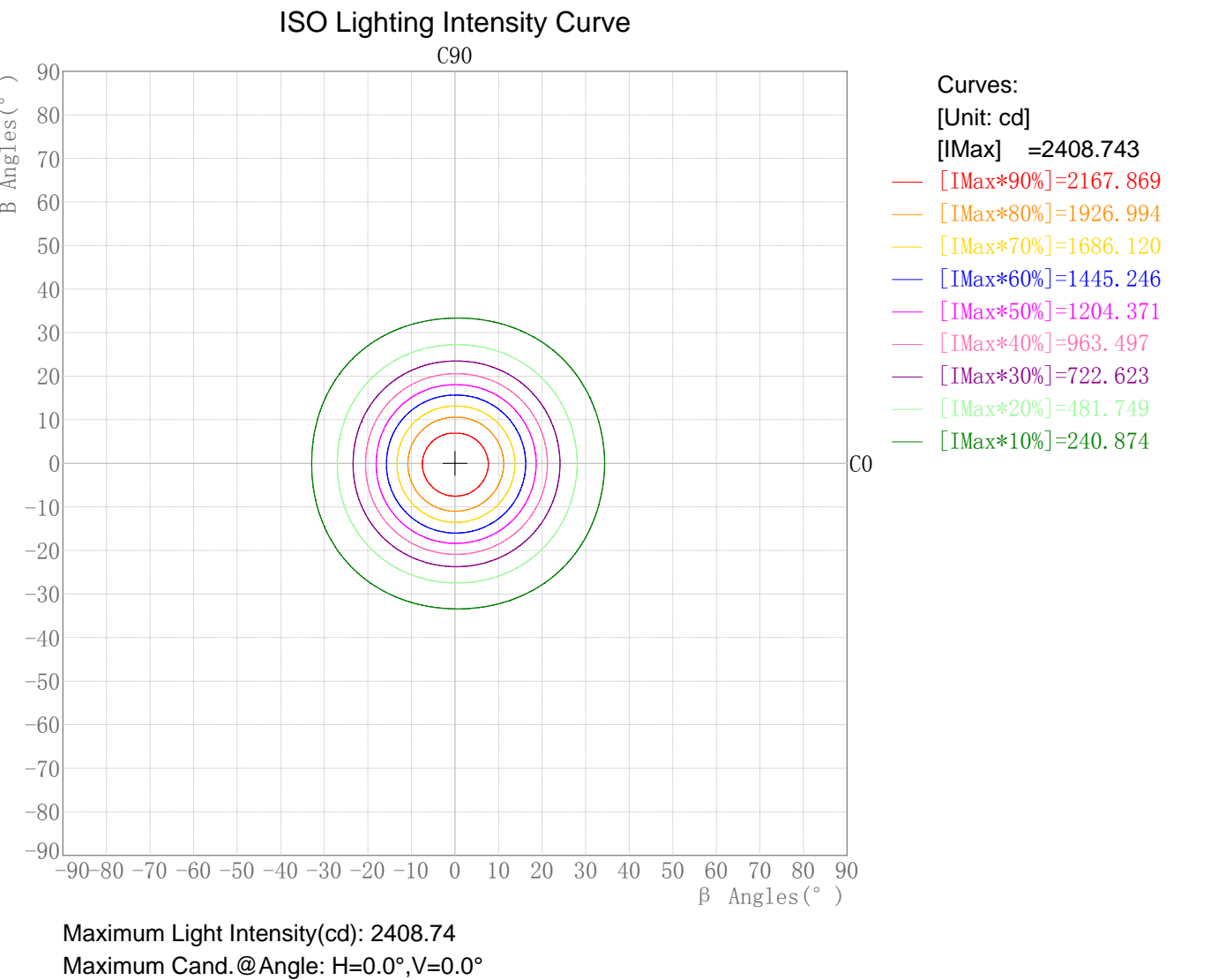
3D Light Intensity Distribution Modal



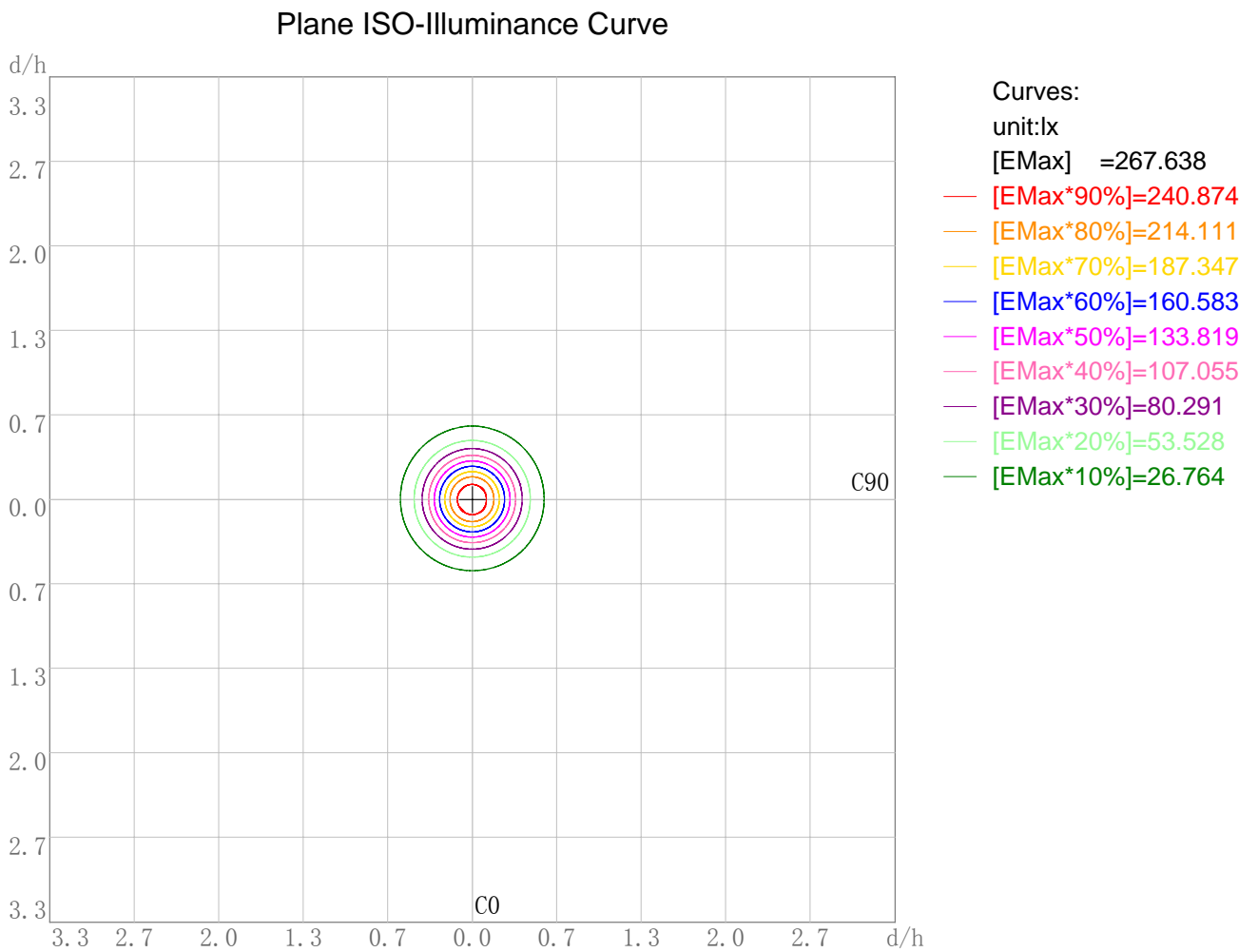
Zonal Flux Tabulation

Zone( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	56.44	56.44	4.35	4.35
5.0-10.0	154.69	211.13	11.92	16.27
10.0-15.0	210.57	421.70	16.22	32.49
15.0-20.0	211.68	633.37	16.31	48.80
20.0-25.0	172.28	805.65	13.27	62.07
25.0-30.0	121.17	926.83	9.34	71.40
30.0-35.0	79.80	1006.62	6.15	77.55
35.0-40.0	53.12	1059.74	4.09	81.64
40.0-45.0	38.26	1098.00	2.95	84.59
45.0-50.0	30.23	1128.23	2.33	86.92
50.0-55.0	25.33	1153.56	1.95	88.87
55.0-60.0	21.83	1175.39	1.68	90.55
60.0-65.0	19.05	1194.44	1.47	92.02
65.0-70.0	16.72	1211.17	1.29	93.31
70.0-75.0	14.96	1226.12	1.15	94.46
75.0-80.0	13.84	1239.97	1.07	95.53
80.0-85.0	13.26	1253.23	1.02	96.55
85.0-90.0	12.86	1266.09	0.99	97.54
90.0-95.0	12.48	1278.56	0.96	98.50
95.0-100.0	12.17	1290.73	0.94	99.44
100.0-105.0	11.83	1302.56	0.91	100.35
105.0-110.0	11.45	1314.01	0.88	101.23
110.0-115.0	11.03	1325.04	0.85	102.08
115.0-120.0	10.61	1335.65	0.82	102.90
120.0-125.0	10.18	1345.83	0.78	103.68
125.0-130.0	9.74	1355.57	0.75	104.44
130.0-135.0	9.32	1364.89	0.72	105.15
135.0-140.0	8.84	1373.73	0.68	105.83
140.0-145.0	8.28	1382.01	0.64	106.47
145.0-150.0	7.58	1389.59	0.58	107.06
150.0-155.0	6.72	1396.32	0.52	107.57
155.0-160.0	5.71	1402.02	0.44	108.01
160.0-165.0	4.54	1406.57	0.35	108.36
165.0-170.0	3.30	1409.86	0.25	108.62
170.0-175.0	2.00	1411.86	0.15	108.77
175.0-180.0	0.67	1412.53	0.05	108.82

Rectangle ISO Lighting Intensity Diagram



Plane ISO-Illuminance Diagram

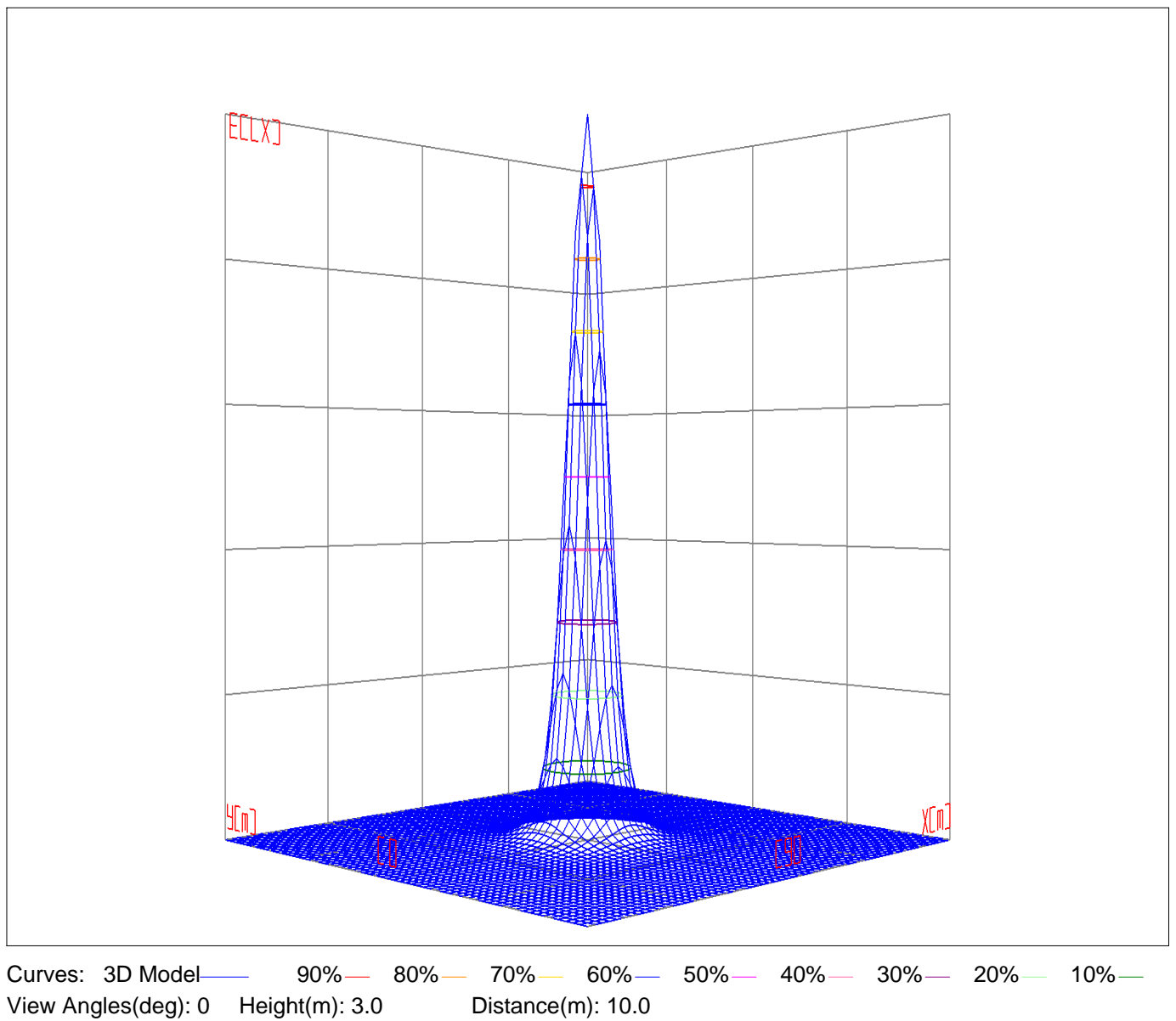


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 267.64  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

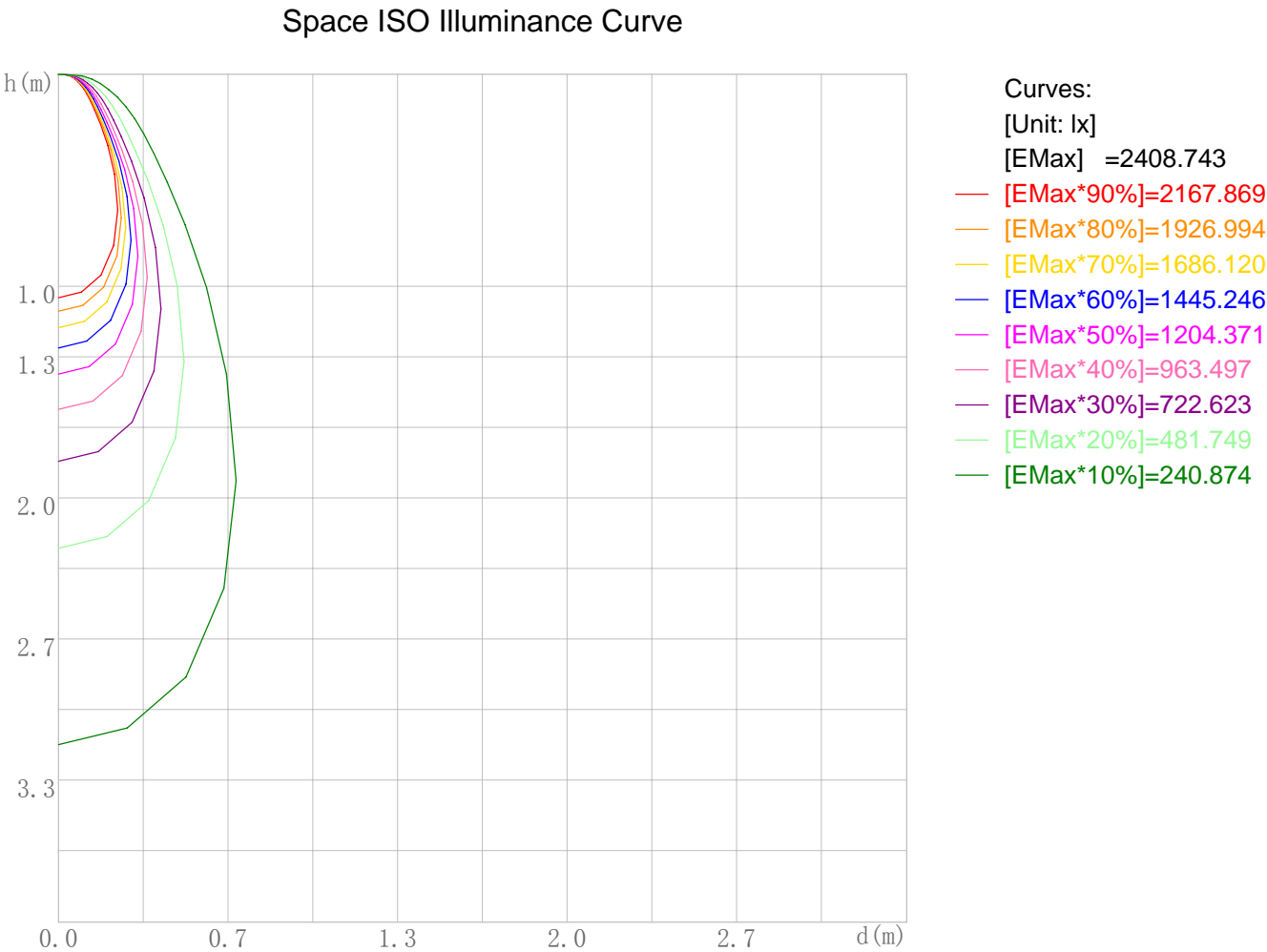
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### 3D Plane ISO Illuminance Diagram

### 3D Plane Illuminance Modal



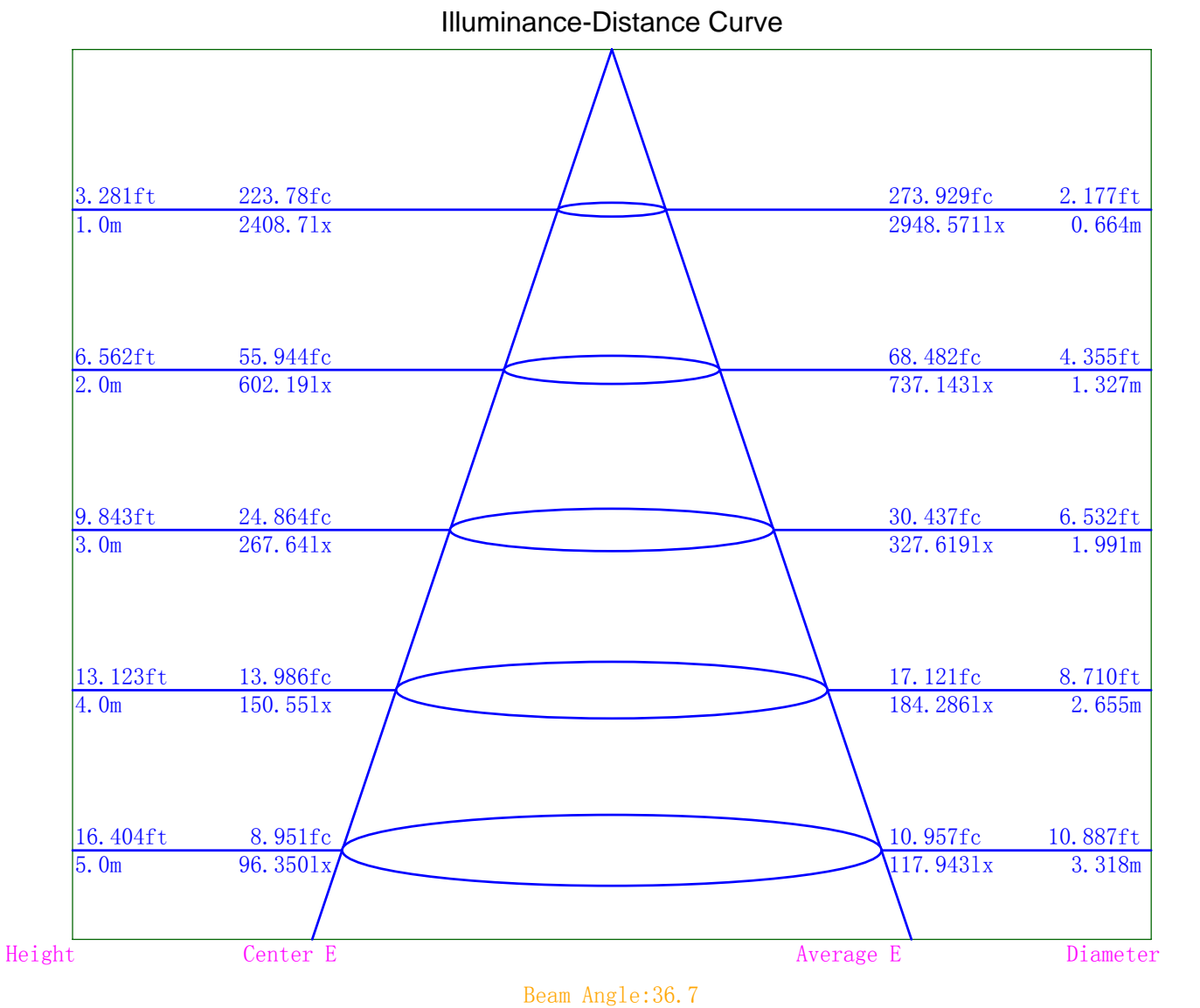
Space ISO Illuminance Diagram



Space Plane Maximum Illuminance and @Angle:2408.74lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:2408.743cd,0deg



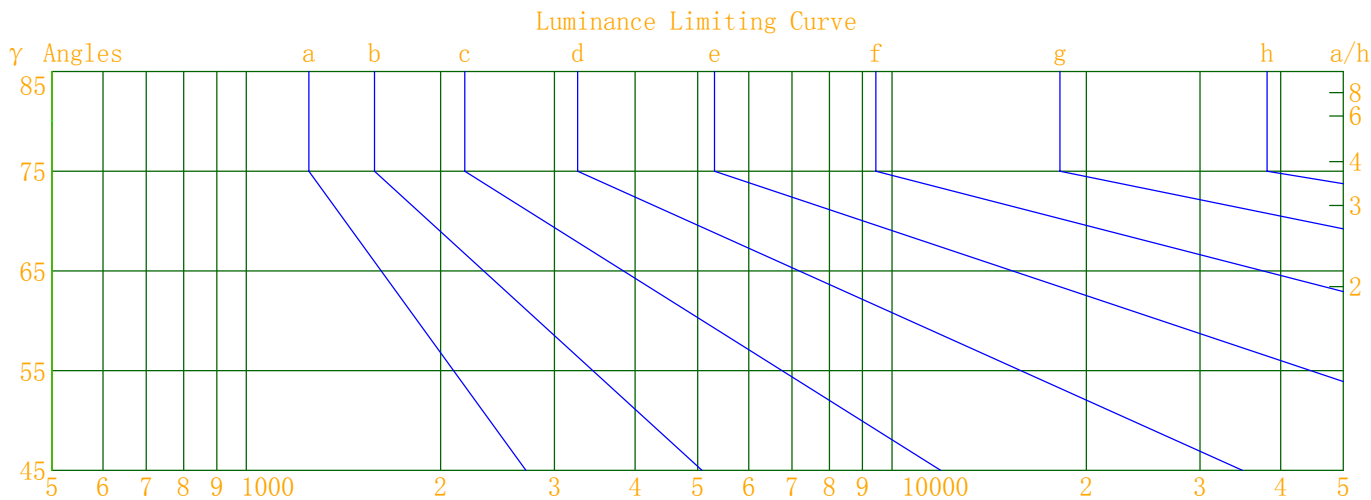
Illuminance-Distance Diagram



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

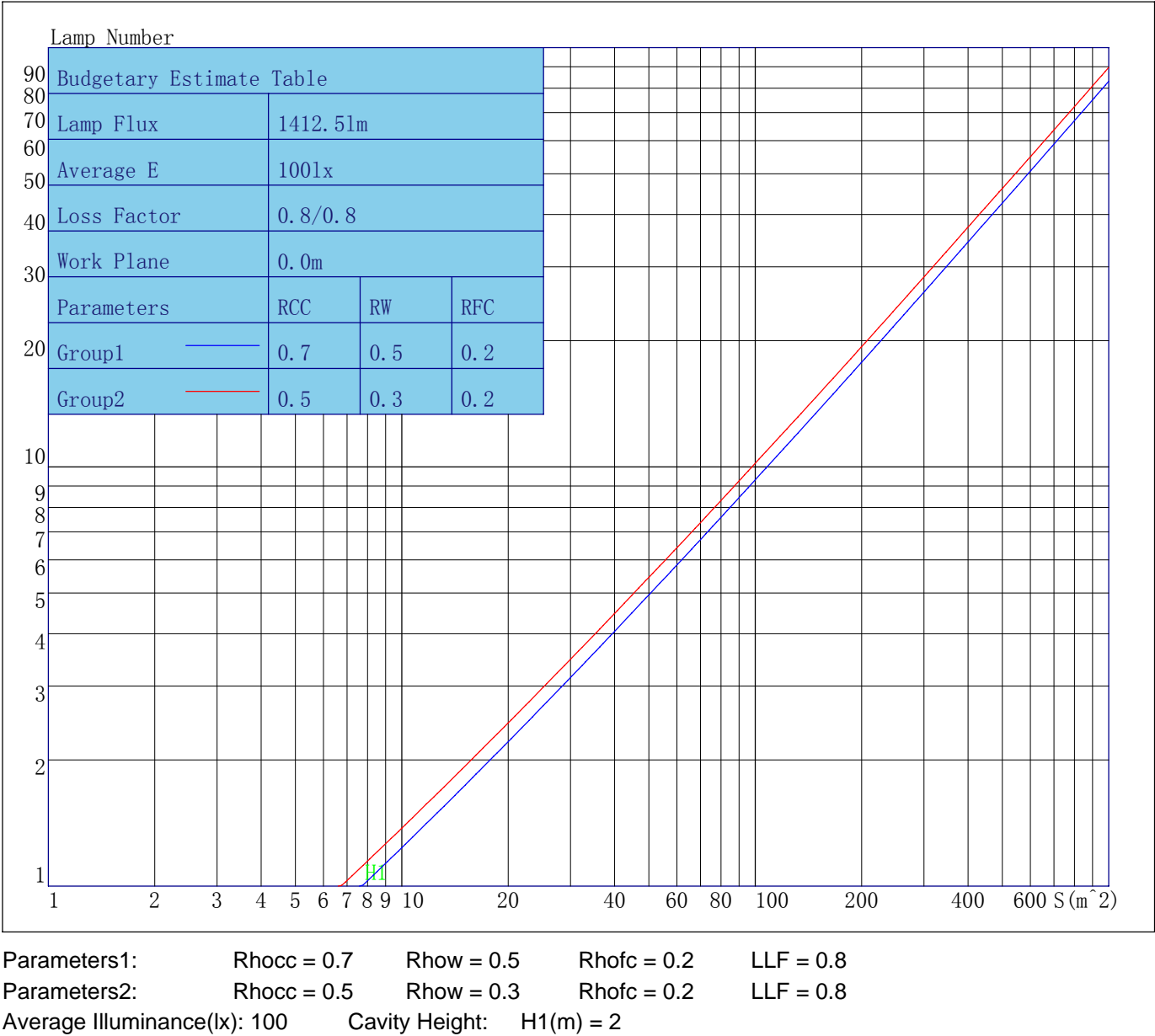


Luminous Size:    Length(m)=0.000    Width(m)=0.000    Height(m)=0.000    Area(m^2)=0.000000

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	127	127	127	127	123	123	123	123	115	115	115	107	107	107	101	101	101	98
1	119	116	112	110	115	112	109	107	106	103	101	100	98	96	94	93	92	89
2	113	107	102	97	109	104	99	95	98	95	92	93	91	88	89	87	85	82
3	107	99	93	88	103	97	91	87	92	88	84	88	84	81	84	81	79	76
4	101	92	86	81	98	90	85	80	87	82	78	83	79	76	80	76	74	72
5	96	87	80	75	94	85	79	74	82	77	73	79	74	71	76	72	69	67
6	92	82	75	70	89	80	74	69	77	72	68	75	70	67	72	68	65	64
7	87	77	70	66	85	76	70	65	73	68	64	71	67	63	69	65	62	60
8	83	73	67	62	82	72	66	62	70	65	61	68	63	60	66	62	59	57
9	80	70	63	59	78	69	63	58	67	61	58	65	60	57	63	59	56	55
10	77	66	60	56	75	65	60	56	64	59	55	62	58	54	61	57	54	52

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	-0.7	0.4	-0.2	0.9	1.4	-0.7	0.4	-0.2	0.9	1.4
	-0.9	0.1	-0.4	0.6	1.2	-0.9	0.1	-0.4	0.6	1.2
	-1.1	-0.1	-0.5	0.4	1.1	-1.1	-0.1	-0.5	0.4	1.1
	-1.2	-0.3	-0.6	0.3	0.9	-1.2	-0.3	-0.6	0.3	0.9
	-1.2	-0.4	-0.6	0.2	0.9	-1.2	-0.4	-0.6	0.2	0.9
	-1.3	-0.5	-0.7	0.1	0.8	-1.3	-0.5	-0.7	0.1	0.8
X=4H Y=2H	-1.1	-0.1	-0.5	0.4	1.1	-1.1	-0.1	-0.5	0.4	1.1
	-1.3	-0.4	-0.7	0.1	0.8	-1.3	-0.4	-0.7	0.1	0.8
	-1.4	-0.6	-0.8	-0.0	0.6	-1.4	-0.6	-0.8	-0.0	0.6
	-1.5	-0.8	-0.9	-0.2	0.5	-1.5	-0.8	-0.9	-0.2	0.5
	-1.6	-0.9	-0.9	-0.3	0.4	-1.6	-0.9	-0.9	-0.3	0.4
	-1.6	-1.0	-1.0	-0.4	0.3	-1.6	-1.0	-1.0	-0.4	0.3
X=8H Y=4H	-1.6	-0.9	-0.9	-0.3	0.4	-1.6	-0.9	-0.9	-0.3	0.4
	-1.7	-1.1	-1.0	-0.5	0.3	-1.7	-1.1	-1.0	-0.5	0.3
	-1.8	-1.2	-1.1	-0.6	0.2	-1.8	-1.2	-1.1	-0.6	0.2
	-1.8	-1.3	-1.1	-0.7	0.1	-1.8	-1.3	-1.1	-0.7	0.1
X=12H Y=4H	-1.6	-1.0	-1.0	-0.4	0.3	-1.6	-1.0	-1.0	-0.4	0.3
	-1.7	-1.2	-1.1	-0.6	0.2	-1.7	-1.2	-1.1	-0.6	0.2
	-1.8	-1.3	-1.1	-0.7	0.1	-1.8	-1.3	-1.1	-0.7	0.1
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:KA17L36BN.IES

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Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	2408.74	2408.74	2408.74	2408.74
γ 5.0	2317.42	2282.92	2330.15	2319.22
γ 10.0	2038.74	1980.56	2006.48	2020.96
γ 15.0	1571.54	1512.36	1519.55	1548.89
γ 20.0	1067.53	1009.26	1006.84	1037.76
γ 25.0	648.32	598.74	587.24	614.76
γ 30.0	376.68	336.57	323.58	344.16
γ 35.0	221.13	193.09	180.12	192.21
γ 40.0	138.78	120.85	109.22	118.11
γ 45.0	96.19	85.25	75.90	82.24
γ 50.0	71.71	64.74	58.58	63.81
γ 55.0	56.05	51.47	48.06	51.51
γ 60.0	44.96	41.94	40.75	43.08
γ 65.0	36.97	34.62	34.82	36.34
γ 70.0	30.92	29.42	30.10	30.95
γ 75.0	27.25	26.17	26.66	27.44
γ 80.0	25.21	24.38	24.61	25.24
γ 85.0	24.26	23.60	23.72	24.18
γ 90.0	23.23	22.74	22.84	23.28
γ 95.0	22.76	22.28	22.38	22.73
γ 100.0	22.48	22.03	22.09	22.36
γ 105.0	22.11	21.80	21.90	22.07
γ 110.0	21.91	21.67	21.75	21.99
γ 115.0	21.80	21.56	21.79	21.84
γ 120.0	21.85	21.64	22.00	22.06
γ 125.0	21.99	21.88	22.36	22.37
γ 130.0	22.43	22.37	22.93	22.90
γ 135.0	23.18	23.18	23.77	23.64
γ 140.0	24.01	24.07	24.71	24.50
γ 145.0	25.04	25.04	25.68	25.44
γ 150.0	25.96	25.90	26.61	26.27
γ 155.0	26.74	26.69	27.36	27.02
γ 160.0	27.26	27.18	27.89	27.48
γ 165.0	27.56	27.51	28.04	27.66
γ 170.0	27.82	27.74	28.15	27.78
γ 175.0	27.93	27.92	28.22	27.91
γ 180.0	28.11	28.11	28.11	28.11