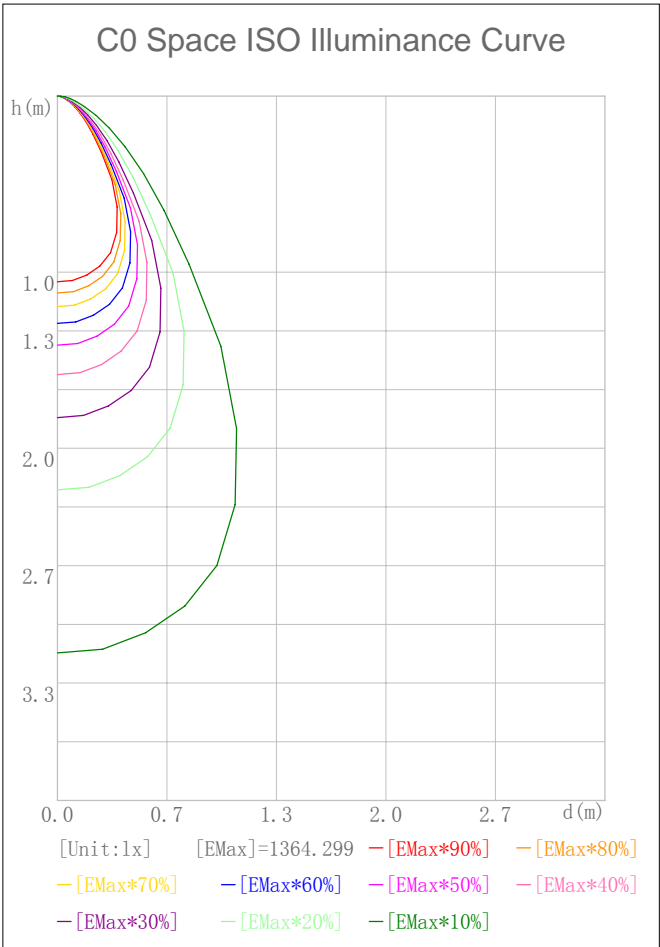
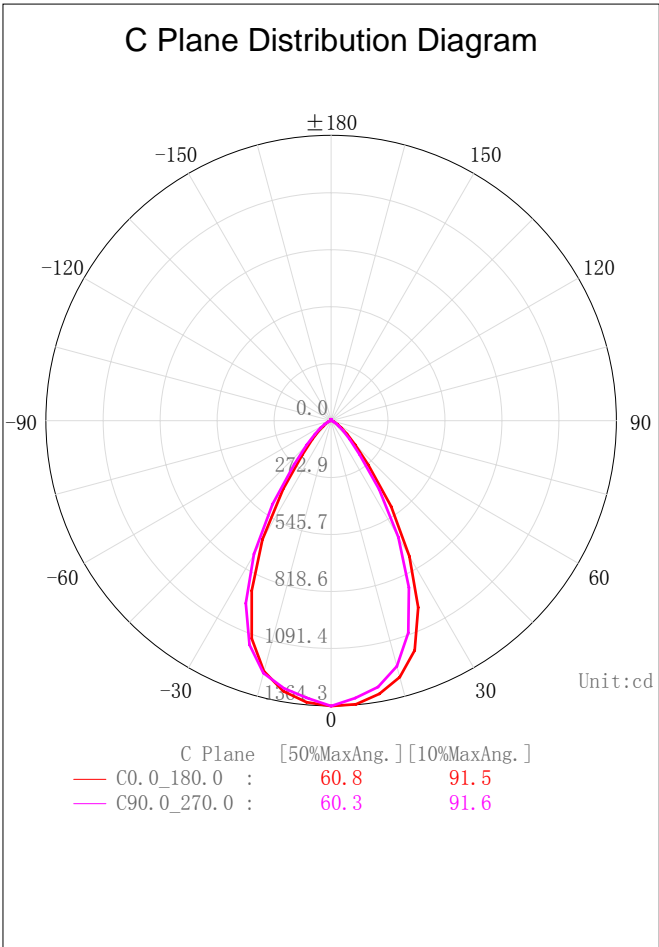


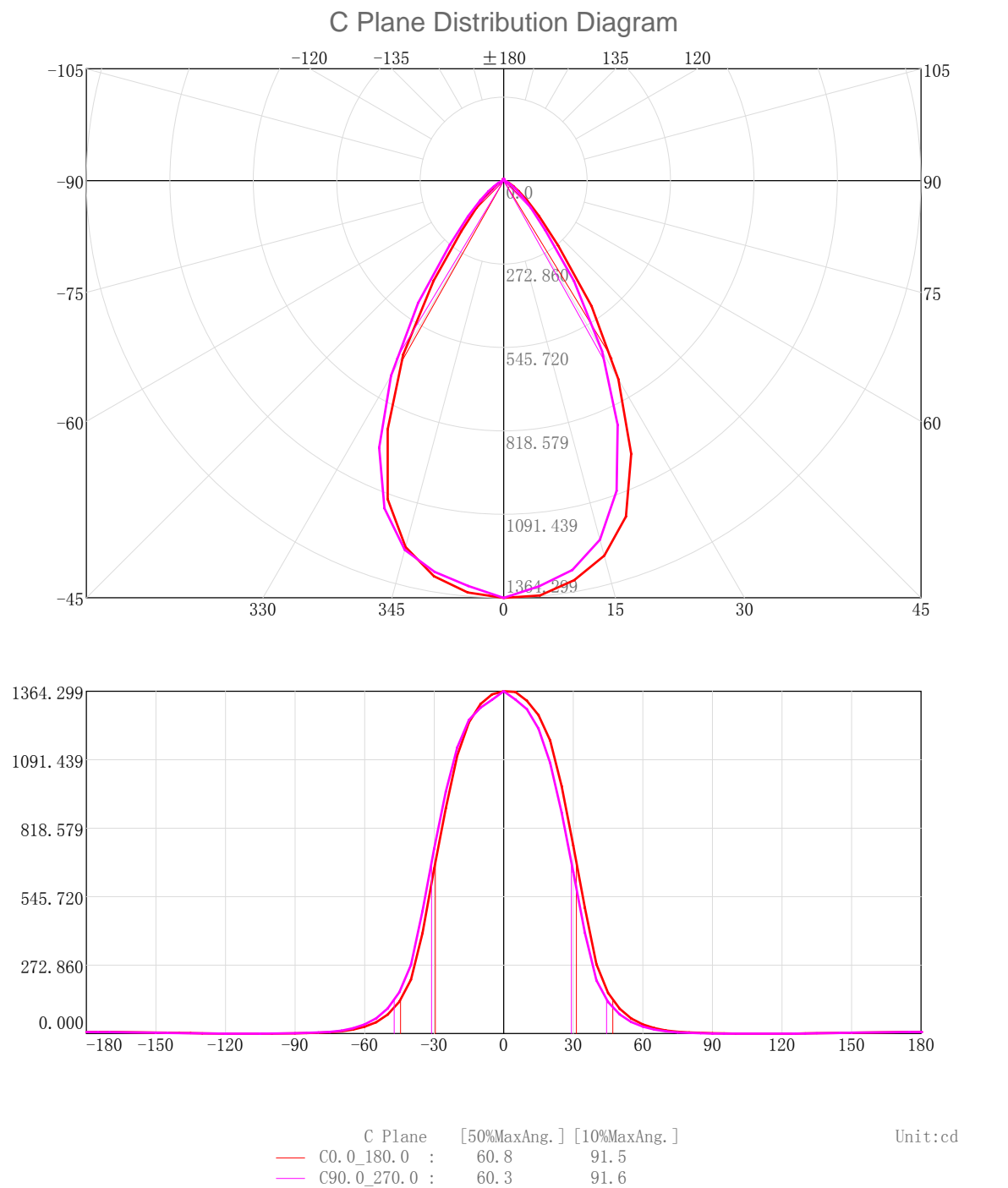
Indoor Luminaire Photometric Data

Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm):1323.000	Luminary Flux(lm):1387.409	Field Angle(10%Imax):91.5(°)
Rated Power(W):	Luminary Efficiency:104.87%	Down Lumens&Percent:1379.008lm 99.39%
Rated Voltage(V):	Luminary EER(lm/W):81.708	Up Lumens&Percent:8.401lm 0.61%
Tested Power(W):16.980	Max. Candela(cd):1364.299	S/MH:C0_a180=0.949 C90_270=0.937
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, 0.885	Beam Angle(50%Imax):60.8(°)	ErP ϕ use(90°):1231.517lm
Lamp Size(W*L*H):0.000m*0.000m*0.000m	Left=-29.5°, Right=31.4°	IRF(%):212.829

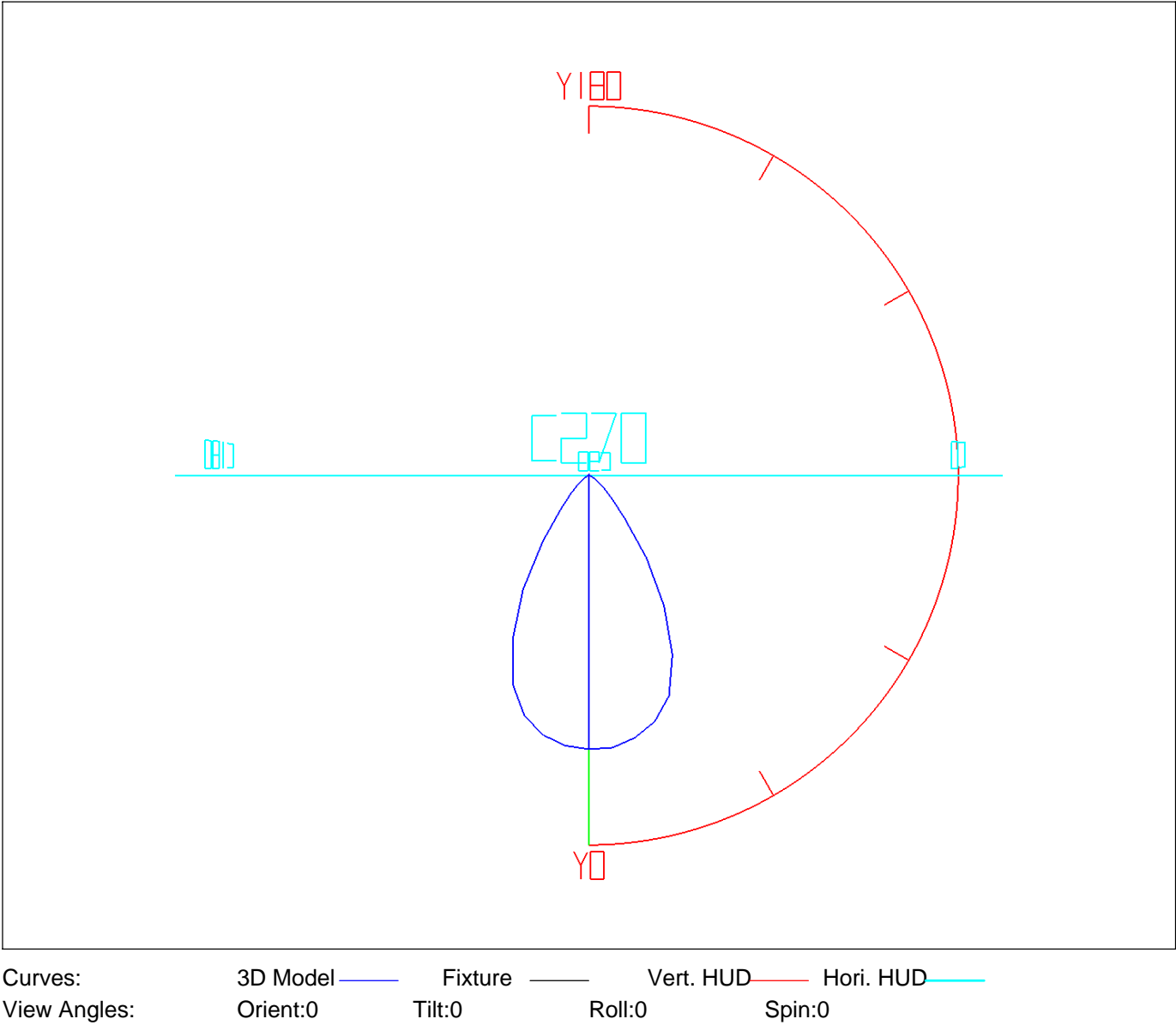


2D Plane Light Intensity Distribution Curve



3D Light Intensity Distribution Modal

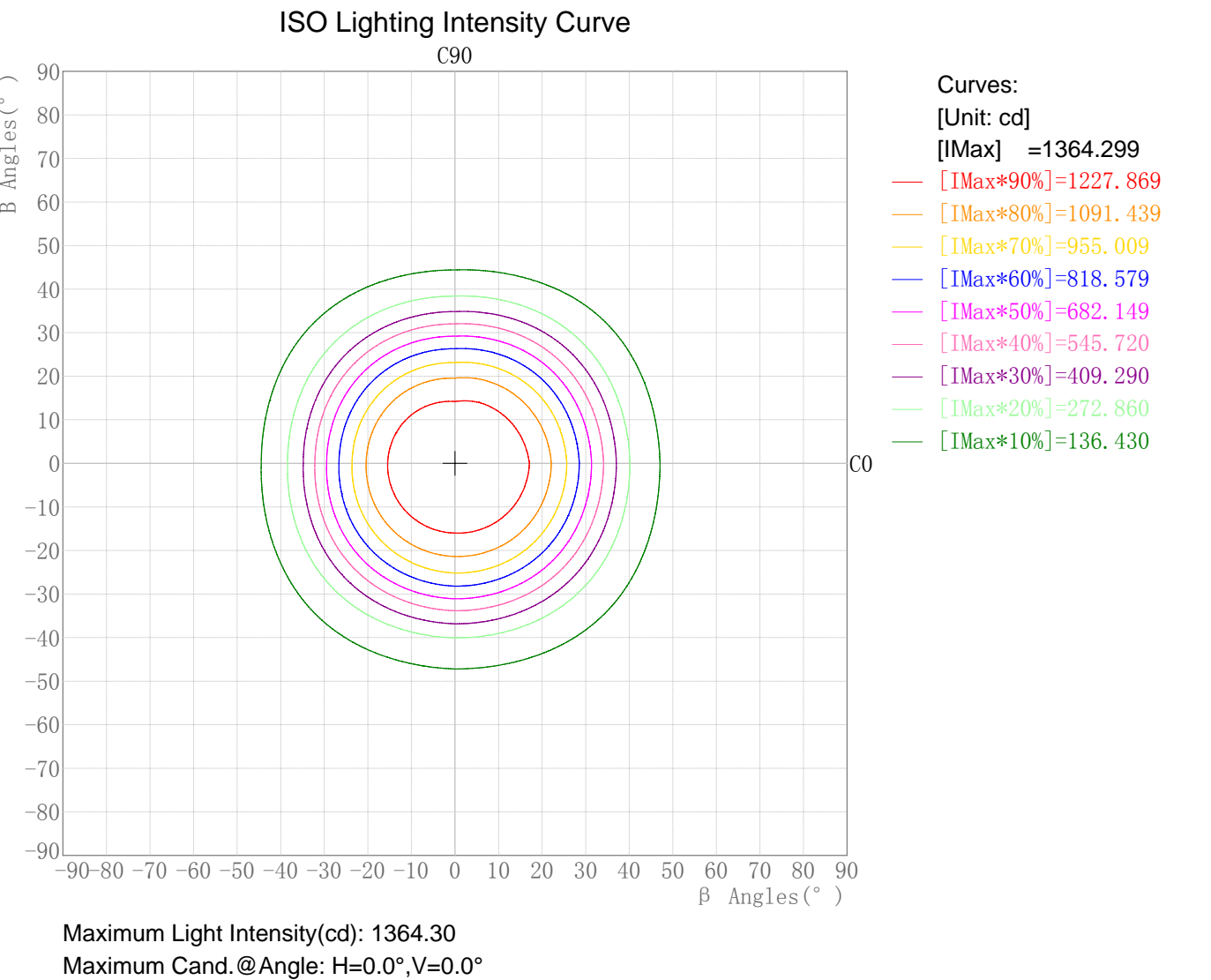
3D Light Intensity Distribution Modal



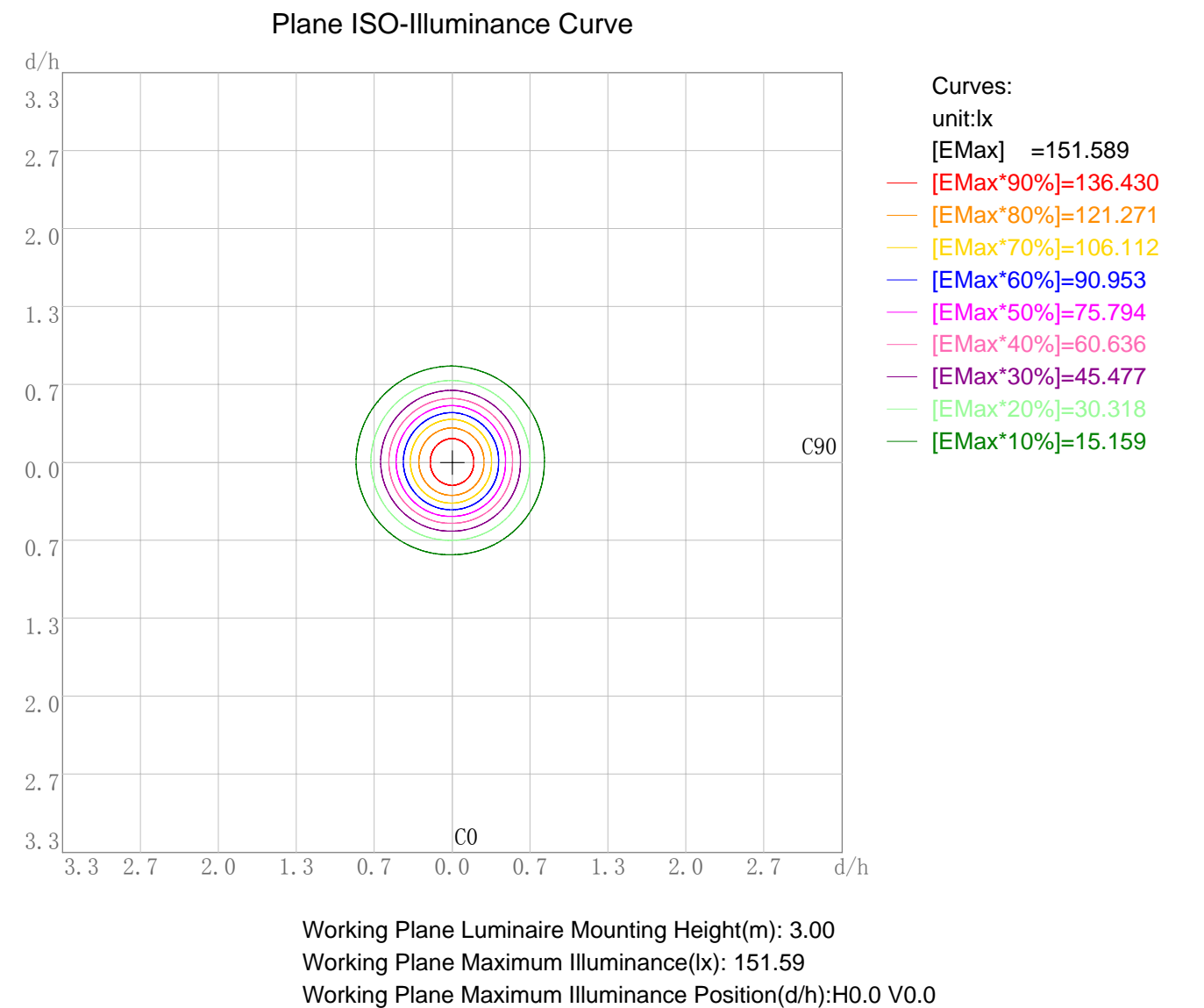
Zonal Flux Tabulation

Zone( γ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-5. 0	32. 37	32. 37	2. 45	2. 45
5. 0-10. 0	94. 87	127. 24	7. 17	9. 62
10. 0-15. 0	151. 37	278. 62	11. 44	21. 06
15. 0-20. 0	195. 15	473. 76	14. 75	35. 81
20. 0-25. 0	215. 65	689. 41	16. 30	52. 11
25. 0-30. 0	206. 09	895. 50	15. 58	67. 69
30. 0-35. 0	168. 47	1063. 97	12. 73	80. 42
35. 0-40. 0	115. 46	1179. 43	8. 73	89. 15
40. 0-45. 0	72. 15	1251. 58	5. 45	94. 60
45. 0-50. 0	47. 11	1298. 69	3. 56	98. 16
50. 0-55. 0	30. 70	1329. 39	2. 32	100. 48
55. 0-60. 0	19. 74	1349. 13	1. 49	101. 98
60. 0-65. 0	12. 43	1361. 56	0. 94	102. 91
65. 0-70. 0	7. 47	1369. 04	0. 56	103. 48
70. 0-75. 0	4. 39	1373. 43	0. 33	103. 81
75. 0-80. 0	2. 74	1376. 17	0. 21	104. 02
80. 0-85. 0	1. 80	1377. 97	0. 14	104. 16
85. 0-90. 0	1. 03	1379. 01	0. 08	104. 23
90. 0-95. 0	0. 46	1379. 47	0. 03	104. 27
95. 0-100. 0	0. 19	1379. 65	0. 01	104. 28
100. 0-105. 0	0. 04	1379. 69	0. 00	104. 29
105. 0-110. 0	0. 00	1379. 69	0. 00	104. 29
110. 0-115. 0	0. 00	1379. 69	0. 00	104. 29
115. 0-120. 0	0. 01	1379. 71	0. 00	104. 29
120. 0-125. 0	0. 10	1379. 80	0. 01	104. 29
125. 0-130. 0	0. 29	1380. 09	0. 02	104. 32
130. 0-135. 0	0. 52	1380. 61	0. 04	104. 35
135. 0-140. 0	0. 73	1381. 34	0. 05	104. 41
140. 0-145. 0	0. 89	1382. 23	0. 07	104. 48
145. 0-150. 0	1. 00	1383. 23	0. 08	104. 55
150. 0-155. 0	1. 03	1384. 26	0. 08	104. 63
155. 0-160. 0	0. 99	1385. 25	0. 07	104. 70
160. 0-165. 0	0. 87	1386. 12	0. 07	104. 77
165. 0-170. 0	0. 69	1386. 81	0. 05	104. 82
170. 0-175. 0	0. 45	1387. 25	0. 03	104. 86
175. 0-180. 0	0. 16	1387. 41	0. 01	104. 87

Rectangle ISO Lighting Intensity Diagram

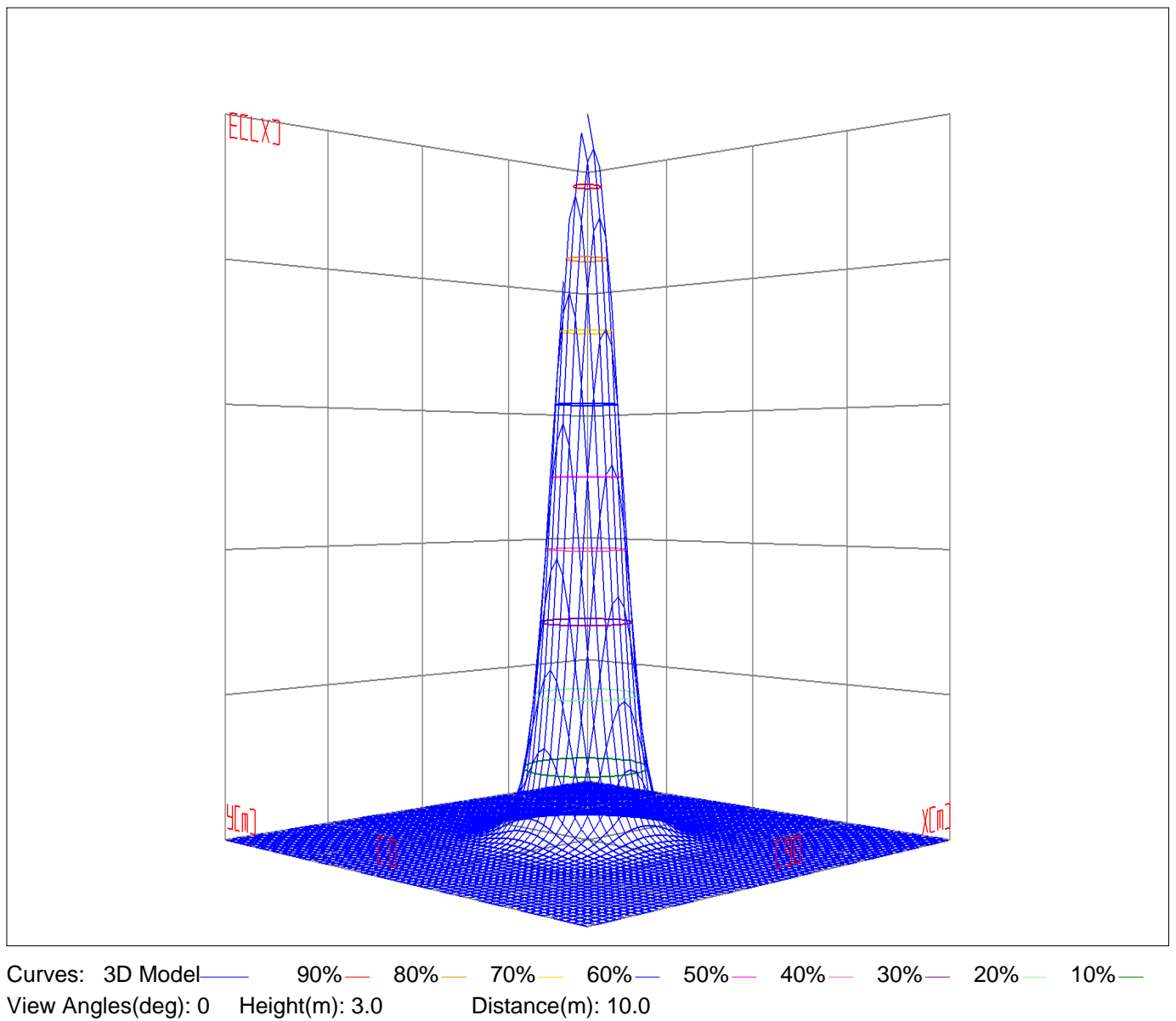


Plane ISO-Illuminance Diagram

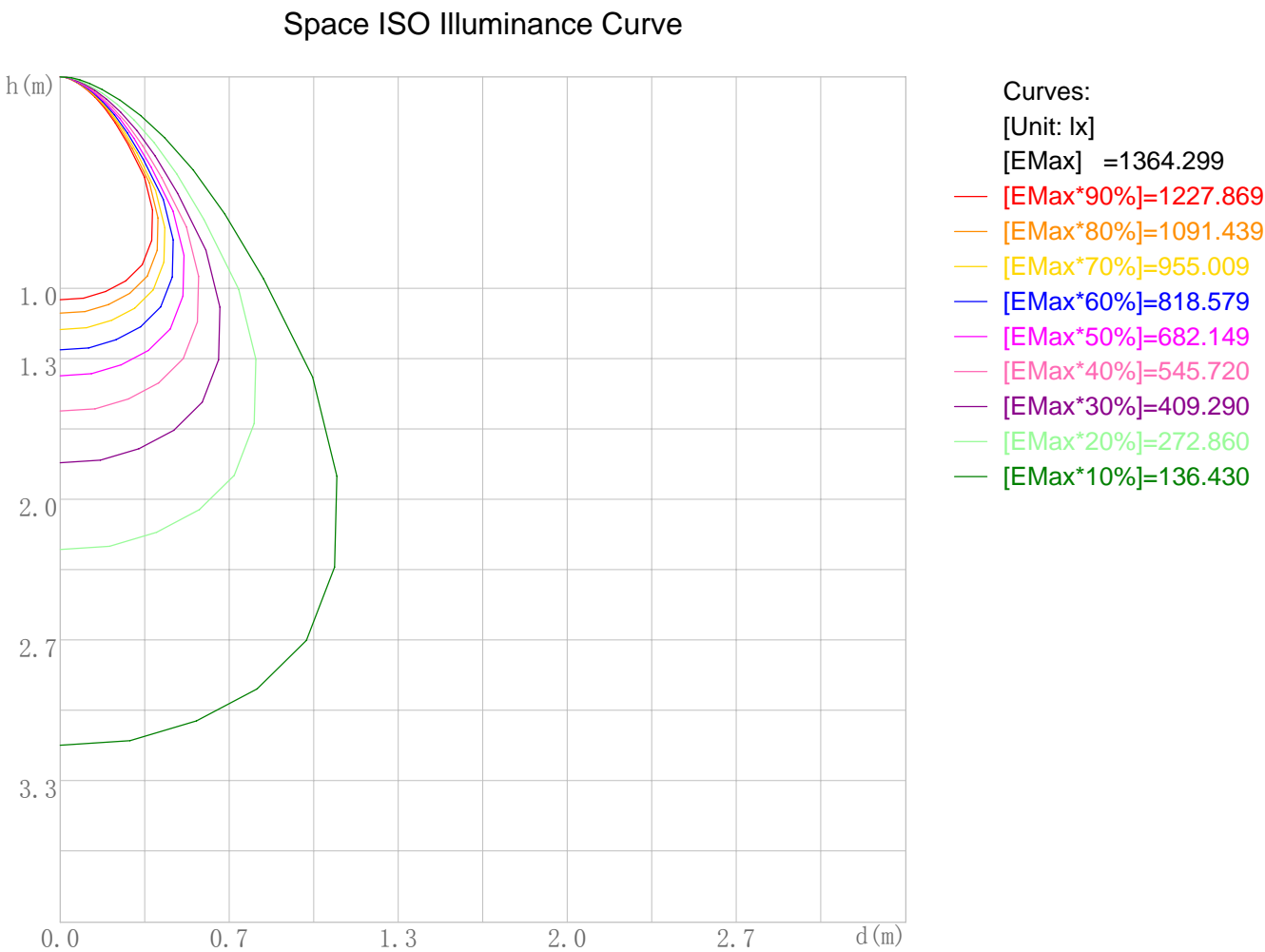


### 3D Plane ISO Illuminance Diagram

### 3D Plane Illuminance Modal



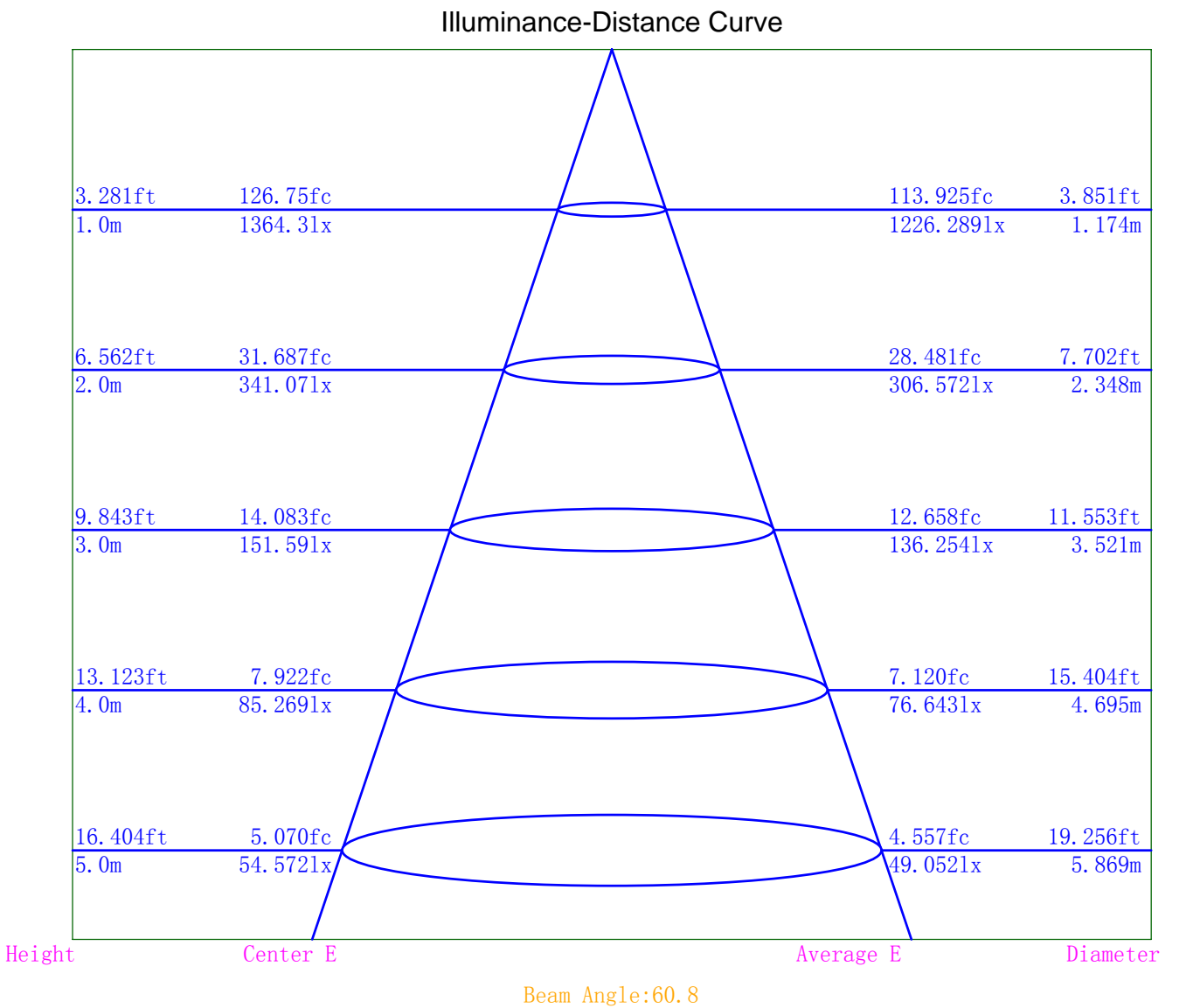
Space ISO Illuminance Diagram



Space Plane Maximum Illuminance and @Angle:1364.30lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:1364.299cd,0deg



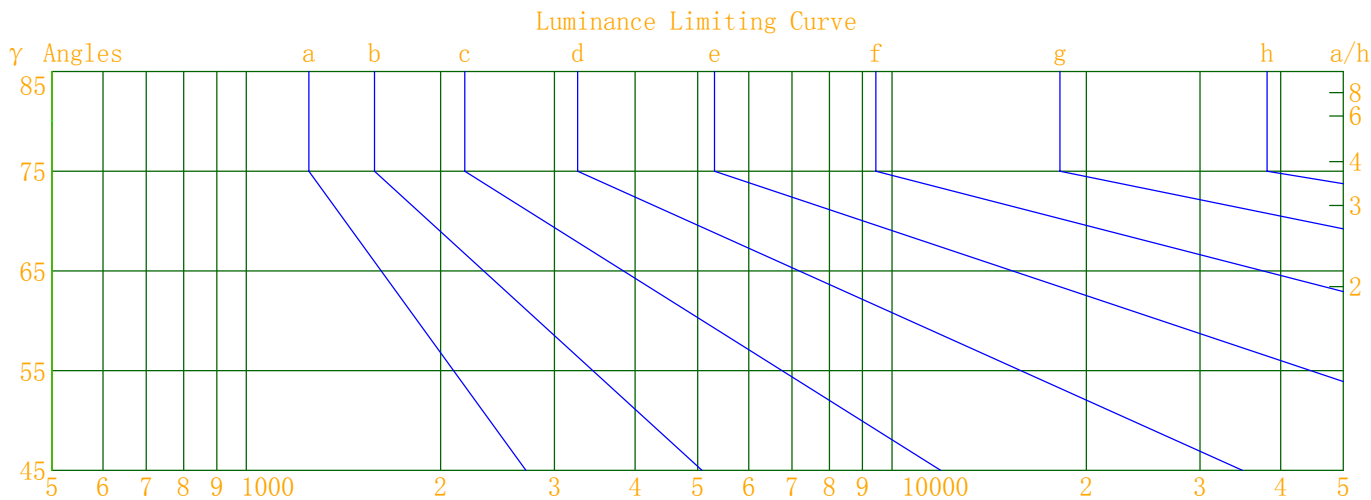
Illuminance-Distance Diagram



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

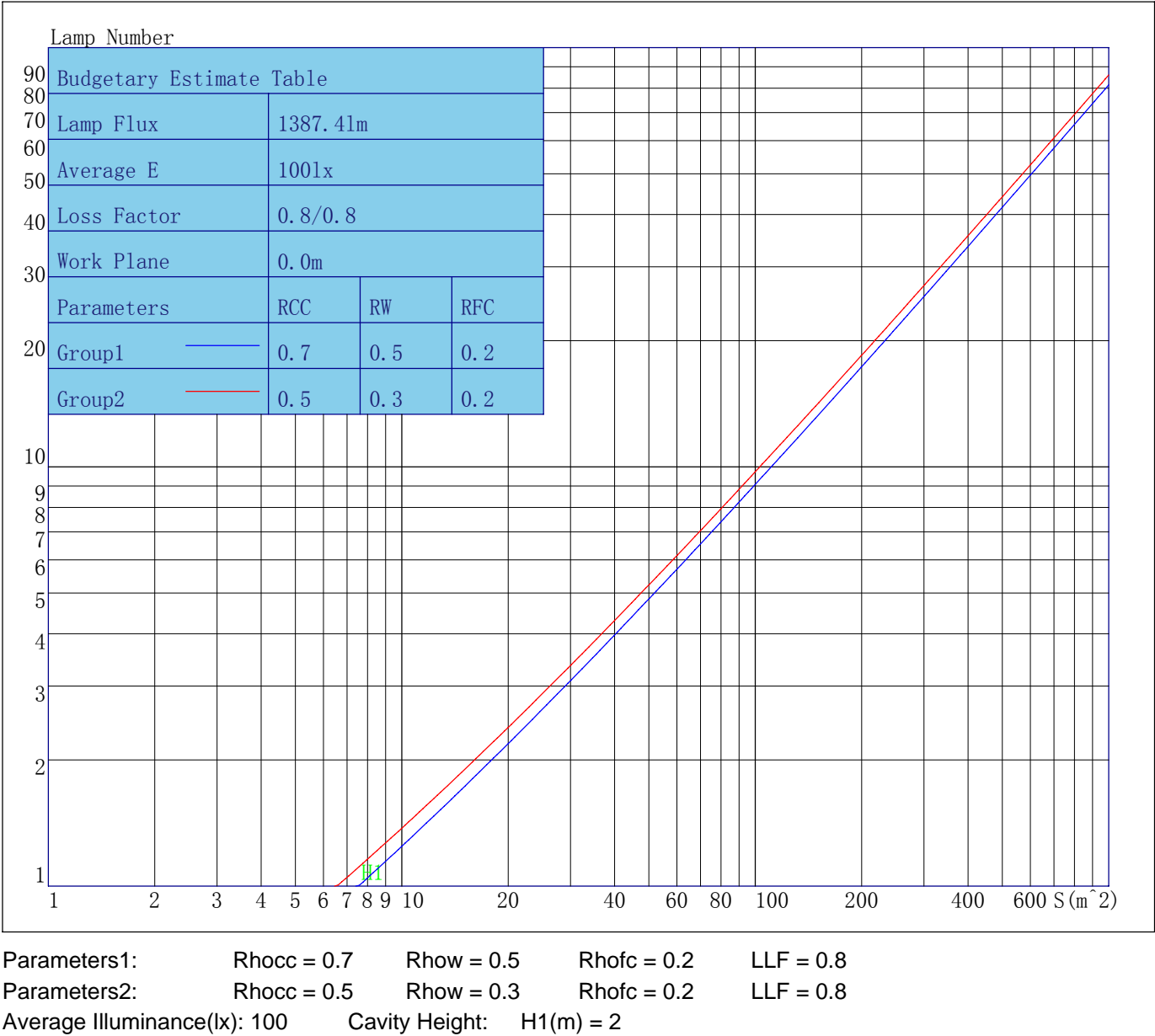


Luminous Size:    Length(m)=0.000    Width(m)=0.000    Height(m)=0.000    Area(m^2)=0.000000

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	125	125	125	125	122	122	122	122	116	116	116	111	111	111	106	106	106	104
1	118	115	112	110	116	113	110	108	108	106	105	104	103	101	101	99	98	96
2	112	106	102	98	109	104	100	97	101	97	95	98	95	92	95	92	90	89
3	106	98	93	88	103	97	92	88	94	90	86	91	88	85	89	86	83	81
4	100	91	85	80	98	90	84	80	88	83	79	85	81	78	83	80	77	75
5	94	85	78	74	93	84	78	73	82	77	72	80	75	72	78	74	71	69
6	89	79	73	68	88	78	72	68	77	71	67	75	70	66	74	69	66	64
7	85	74	67	63	83	73	67	63	72	66	62	71	66	62	69	65	61	60
8	80	70	63	58	79	69	63	58	68	62	58	67	61	58	65	61	57	56
9	76	65	59	55	75	65	59	54	64	58	54	63	58	54	62	57	54	52
10	72	62	55	51	71	61	55	51	60	55	51	59	54	51	59	54	50	49

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	-0.2	1.0	0.2	1.3	1.7	-0.2	1.0	0.2	1.3	1.7
	Y=3H	-0.4	0.7	0.0	1.0	1.4	-0.4	0.7	0.0	1.0	1.4
	Y=4H	-0.5	0.5	-0.0	0.9	1.3	-0.5	0.5	-0.0	0.9	1.3
	Y=6H	-0.6	0.3	-0.1	0.7	1.1	-0.6	0.3	-0.1	0.7	1.1
	Y=8H	-0.6	0.2	-0.2	0.7	1.1	-0.6	0.2	-0.2	0.7	1.1
	Y=12H	-0.7	0.2	-0.2	0.6	1.0	-0.7	0.2	-0.2	0.6	1.0
X=4H	Y=2H	-0.5	0.5	-0.0	0.9	1.3	-0.5	0.5	-0.0	0.9	1.3
	Y=3H	-0.7	0.2	-0.2	0.6	1.0	-0.7	0.2	-0.2	0.6	1.0
	Y=4H	-0.8	-0.0	-0.3	0.4	0.9	-0.8	-0.0	-0.3	0.4	0.9
	Y=6H	-0.9	-0.2	-0.4	0.2	0.7	-0.9	-0.2	-0.4	0.2	0.7
	Y=8H	-1.0	-0.3	-0.5	0.1	0.6	-1.0	-0.3	-0.5	0.1	0.6
	Y=12H	-1.0	-0.4	-0.5	0.0	0.5	-1.0	-0.4	-0.5	0.0	0.5
X=8H	Y=4H	-1.0	-0.3	-0.5	0.1	0.6	-1.0	-0.3	-0.5	0.1	0.6
	Y=6H	-1.1	-0.5	-0.6	-0.0	0.5	-1.1	-0.5	-0.6	-0.0	0.5
	Y=8H	-1.2	-0.7	-0.6	-0.1	0.4	-1.2	-0.7	-0.6	-0.1	0.4
	Y=12H	-1.2	-0.8	-0.7	-0.3	0.3	-1.2	-0.8	-0.7	-0.3	0.3
X=12H	Y=4H	-1.0	-0.4	-0.5	0.0	0.5	-1.0	-0.4	-0.5	0.0	0.5
	Y=6H	-1.2	-0.7	-0.6	-0.2	0.4	-1.2	-0.7	-0.6	-0.2	0.4
	Y=8H	-1.2	-0.8	-0.7	-0.3	0.3	-1.2	-0.8	-0.7	-0.3	0.3
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:KA17L60BC.IES

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Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	1364.30	1364.30	1364.30	1364.30
γ 5.0	1361.56	1331.38	1351.75	1330.57
γ 10.0	1326.61	1292.98	1313.52	1299.20
γ 15.0	1269.63	1215.30	1240.20	1249.95
γ 20.0	1168.71	1079.15	1108.39	1140.30
γ 25.0	986.02	881.32	897.12	963.51
γ 30.0	749.49	643.72	656.29	736.58
γ 35.0	500.99	401.30	400.00	487.84
γ 40.0	276.66	212.33	214.99	273.93
γ 45.0	162.53	125.97	127.08	165.21
γ 50.0	99.34	76.33	76.06	100.11
γ 55.0	60.15	46.46	45.39	60.87
γ 60.0	36.58	27.92	27.41	36.84
γ 65.0	21.88	15.99	16.13	21.83
γ 70.0	12.28	8.95	9.20	11.80
γ 75.0	7.49	5.09	5.35	7.04
γ 80.0	4.79	3.07	3.54	4.63
γ 85.0	3.31	1.82	2.26	3.13
γ 90.0	1.55	0.46	0.95	1.62
γ 95.0	0.84	0.00	0.41	0.87
γ 100.0	0.24	0.00	0.00	0.39
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	0.20	0.00
γ 125.0	0.24	0.19	0.68	0.35
γ 130.0	0.83	0.80	1.29	0.87
γ 135.0	1.45	1.48	2.01	1.57
γ 140.0	2.04	2.16	2.77	2.23
γ 145.0	2.81	2.96	3.53	2.89
γ 150.0	3.56	3.64	4.30	3.56
γ 155.0	4.17	4.29	4.91	4.13
γ 160.0	4.89	4.87	5.51	4.82
γ 165.0	5.47	5.45	6.05	5.29
γ 170.0	6.04	5.95	6.46	5.69
γ 175.0	6.45	6.39	6.71	6.14
γ 180.0	6.60	6.60	6.60	6.60