

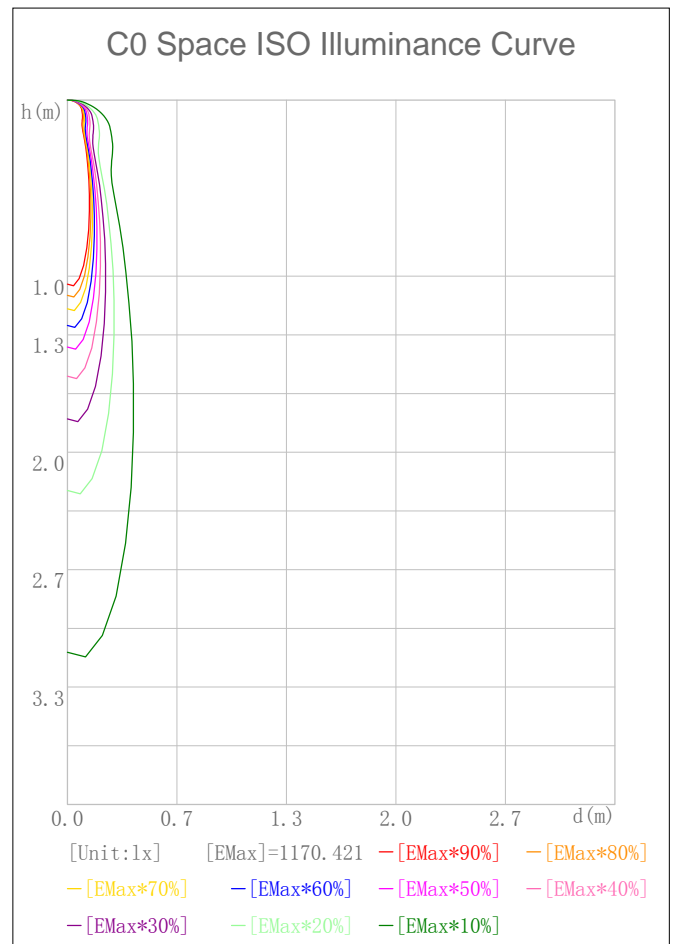
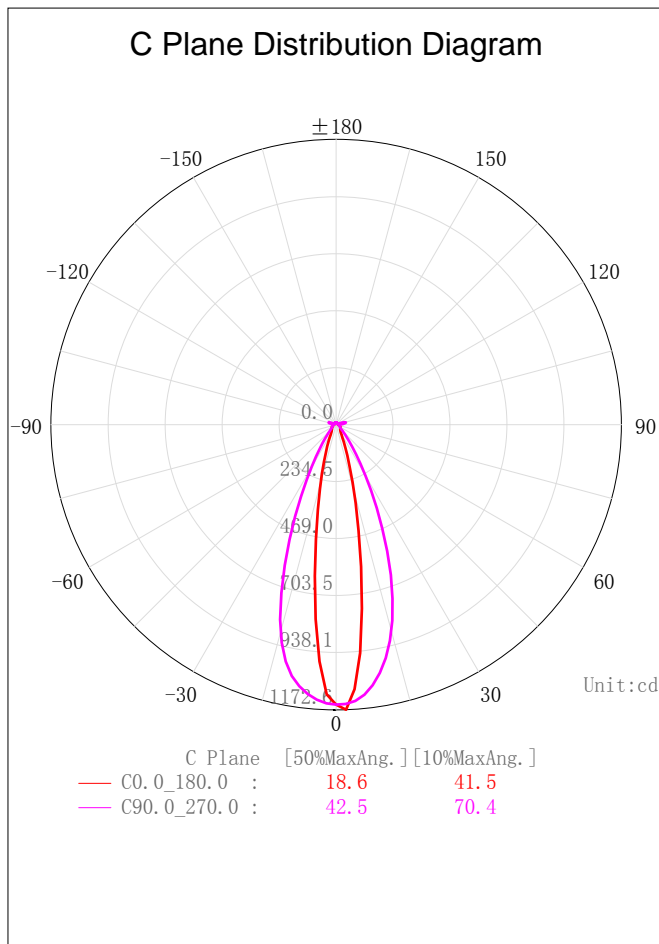
### Indoor Luminaire Photometric Data

#### Description Information

Luminaire Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZX01BB2	Test Date: 2021/10/23
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab: Test	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.050m*0.050m*0.000m	Lum. Area (m2):0.002	Lum. W(kg): 0.010
Test System: C, γ	Test Step: C=15.0 γ=2.0	Temp. (°C): 25
		Humidity(%): 50.0

#### Character Parameter

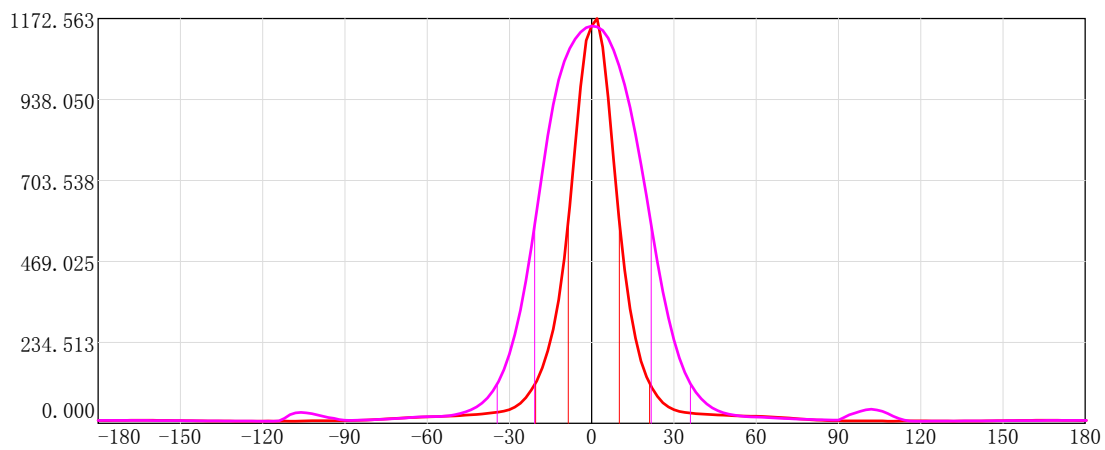
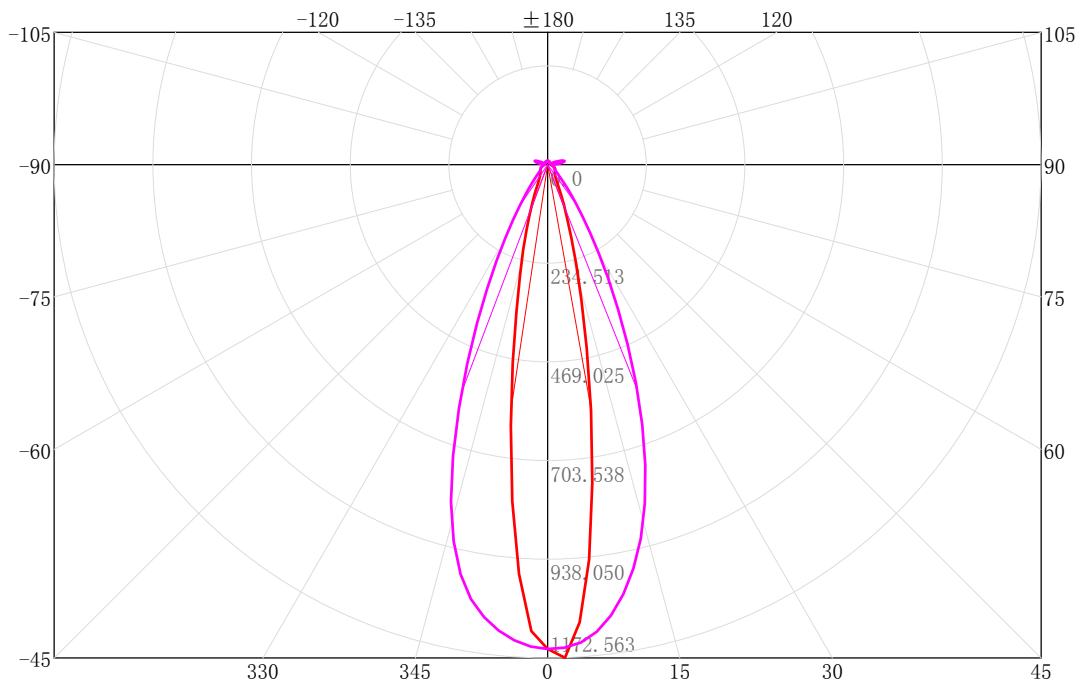
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1000.000	Luminaire Flux(lm): 484.687	Field Angle(10%Imax): 41.5(°)
Rated Power(W):	Luminaire Efficiency: 48.47%	Down Lumens&Percent: 427.356lm 88.17%
Rated Voltage(V):	Luminaire EER(lm/W): 199.050	Up Lumens&Percent: 57.331lm 11.83%
Tested Power(W): 2.435	Max. Candela(cd): 1172.563	S/MH: C0_a180=0.323 C90_270=0.694
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: General Diffuse
Tested Electrics (V, A, pf):11.9, 0.204, 1.000	Beam Angle(50%Imax): 18.6(°)	ErP φ use(90°): 364.101lm
Lamp Size (W*L*H):0.050m*0.050m*0.000m	Left=-8.5°, Right=10.1°	IRF(%): 644.688



## 2D Plane Light Intensity Distribution Curve

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog: ZX01BB2	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2021/10/23

**C Plane Distribution Diagram**

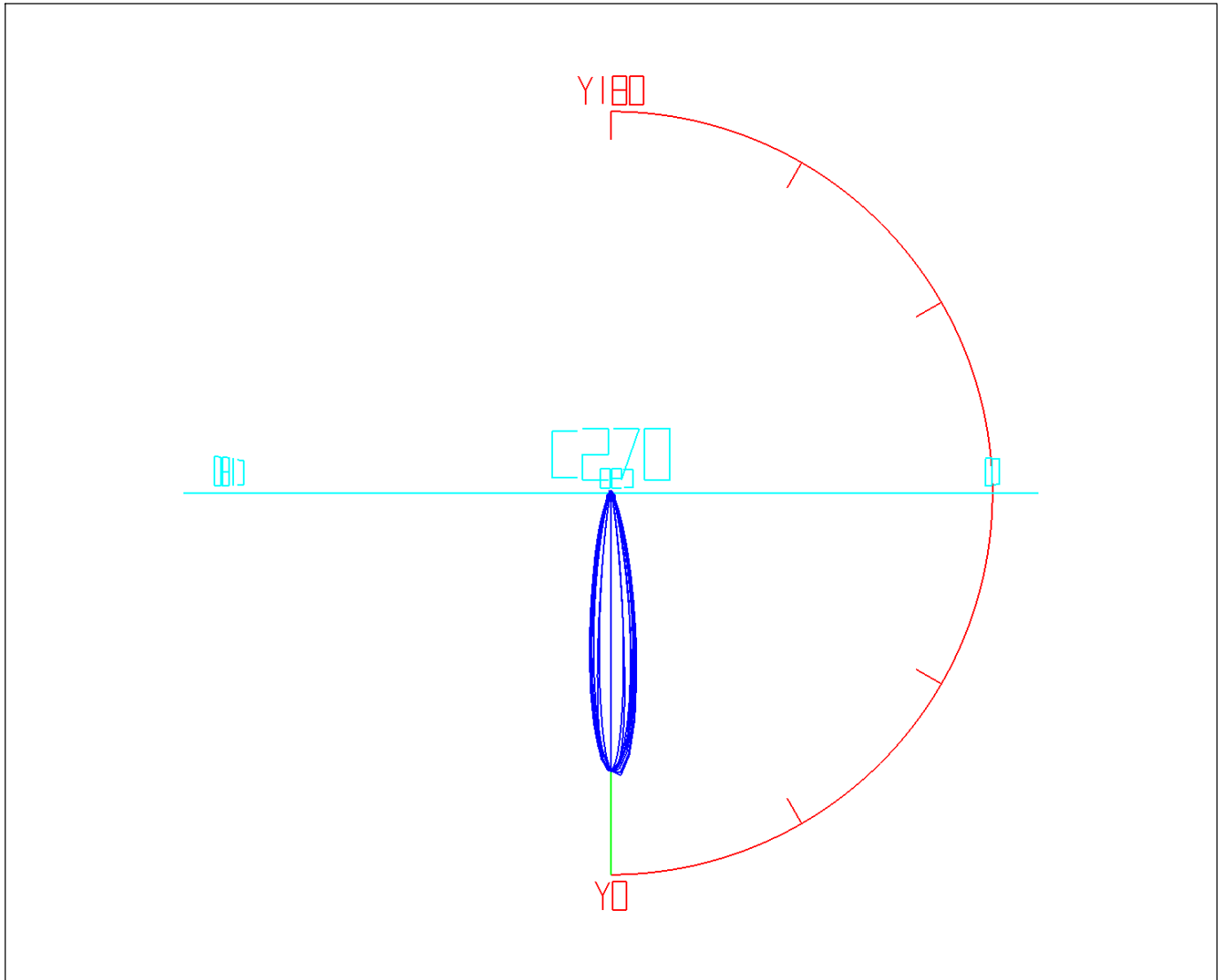


C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
— C0.0_180.0 :	18.6	41.5	
— C90.0_270.0 :	42.5	70.4	

### 3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZX01BB2	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

### 3D Light Intensity Distribution Modal



Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———  
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

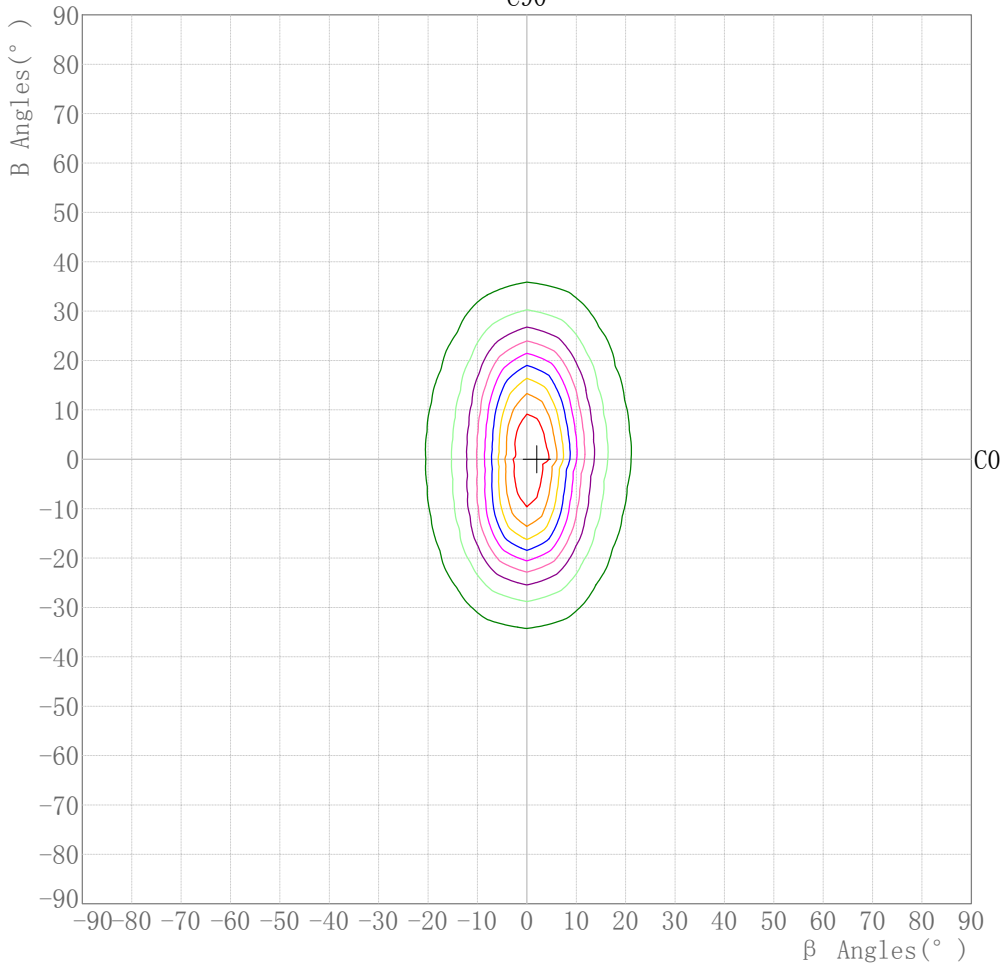
**Zonal Flux Tabulation**

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-2.0	4.36	4.36	0.44	0.44	94.0-96.0	2.33	433.64	0.23	43.36
2.0-4.0	12.61	16.97	1.26	1.70	96.0-98.0	2.53	436.18	0.25	43.62
4.0-6.0	19.55	36.52	1.95	3.65	98.0-100.0	2.74	438.92	0.27	43.89
6.0-8.0	24.65	61.17	2.46	6.12	100.0-102.0	2.92	441.84	0.29	44.18
8.0-10.0	27.78	88.95	2.78	8.89	102.0-104.0	3.03	444.87	0.30	44.49
10.0-12.0	29.20	118.15	2.92	11.81	104.0-106.0	3.02	447.89	0.30	44.79
12.0-14.0	29.25	147.39	2.92	14.74	106.0-108.0	2.89	450.78	0.29	45.08
14.0-16.0	28.27	175.67	2.83	17.57	108.0-110.0	2.60	453.38	0.26	45.34
16.0-18.0	26.50	202.17	2.65	20.22	110.0-112.0	2.13	455.51	0.21	45.55
18.0-20.0	24.15	226.32	2.42	22.63	112.0-114.0	1.67	457.18	0.17	45.72
20.0-22.0	21.50	247.82	2.15	24.78	114.0-116.0	1.40	458.58	0.14	45.86
22.0-24.0	18.78	266.59	1.88	26.66	116.0-118.0	1.32	459.90	0.13	45.99
24.0-26.0	16.13	282.72	1.61	28.27	118.0-120.0	1.28	461.18	0.13	46.12
26.0-28.0	13.72	296.44	1.37	29.64	120.0-122.0	1.26	462.44	0.13	46.24
28.0-30.0	11.64	308.09	1.16	30.81	122.0-124.0	1.23	463.68	0.12	46.37
30.0-32.0	9.92	318.00	0.99	31.80	124.0-126.0	1.21	464.88	0.12	46.49
32.0-34.0	8.51	326.51	0.85	32.65	126.0-128.0	1.18	466.06	0.12	46.61
34.0-36.0	7.36	333.87	0.74	33.39	128.0-130.0	1.16	467.22	0.12	46.72
36.0-38.0	6.46	340.33	0.65	34.03	130.0-132.0	1.13	468.35	0.11	46.84
38.0-40.0	5.75	346.08	0.58	34.61	132.0-134.0	1.11	469.46	0.11	46.95
40.0-42.0	5.19	351.27	0.52	35.13	134.0-136.0	1.08	470.54	0.11	47.05
42.0-44.0	4.75	356.01	0.47	35.60	136.0-138.0	1.06	471.60	0.11	47.16
44.0-46.0	4.41	360.43	0.44	36.04	138.0-140.0	1.04	472.64	0.10	47.26
46.0-48.0	4.17	364.59	0.42	36.46	140.0-142.0	1.01	473.66	0.10	47.37
48.0-50.0	3.98	368.57	0.40	36.86	142.0-144.0	0.99	474.65	0.10	47.46
50.0-52.0	3.85	372.42	0.38	37.24	144.0-146.0	0.96	475.61	0.10	47.56
52.0-54.0	3.76	376.18	0.38	37.62	146.0-148.0	0.94	476.54	0.09	47.65
54.0-56.0	3.71	379.89	0.37	37.99	148.0-150.0	0.90	477.45	0.09	47.74
56.0-58.0	3.68	383.57	0.37	38.36	150.0-152.0	0.87	478.32	0.09	47.83
58.0-60.0	3.64	387.22	0.36	38.72	152.0-154.0	0.83	479.15	0.08	47.91
60.0-62.0	3.60	390.82	0.36	39.08	154.0-156.0	0.79	479.93	0.08	47.99
62.0-64.0	3.54	394.36	0.35	39.44	156.0-158.0	0.74	480.67	0.07	48.07
64.0-66.0	3.46	397.81	0.35	39.78	158.0-160.0	0.68	481.35	0.07	48.14
66.0-68.0	3.33	401.15	0.33	40.11	160.0-162.0	0.63	481.98	0.06	48.20
68.0-70.0	3.18	404.32	0.32	40.43	162.0-164.0	0.57	482.55	0.06	48.25
70.0-72.0	3.01	407.33	0.30	40.73	164.0-166.0	0.50	483.05	0.05	48.30
72.0-74.0	2.83	410.16	0.28	41.02	166.0-168.0	0.44	483.49	0.04	48.35
74.0-76.0	2.66	412.82	0.27	41.28	168.0-170.0	0.37	483.85	0.04	48.39
76.0-78.0	2.49	415.31	0.25	41.53	170.0-172.0	0.30	484.16	0.03	48.42
78.0-80.0	2.32	417.62	0.23	41.76	172.0-174.0	0.23	484.39	0.02	48.44
80.0-82.0	2.16	419.79	0.22	41.98	174.0-176.0	0.17	484.55	0.02	48.46
82.0-84.0	2.03	421.82	0.20	42.18	176.0-178.0	0.10	484.65	0.01	48.47
84.0-86.0	1.93	423.74	0.19	42.37	178.0-180.0	0.03	484.69	0.00	48.47
86.0-88.0	1.84	425.58	0.18	42.56					
88.0-90.0	1.78	427.36	0.18	42.74					
90.0-92.0	1.86	429.21	0.19	42.92					
92.0-94.0	2.10	431.31	0.21	43.13					

### Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZX01BB2	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

ISO Lighting Intensity Curve  
 C90

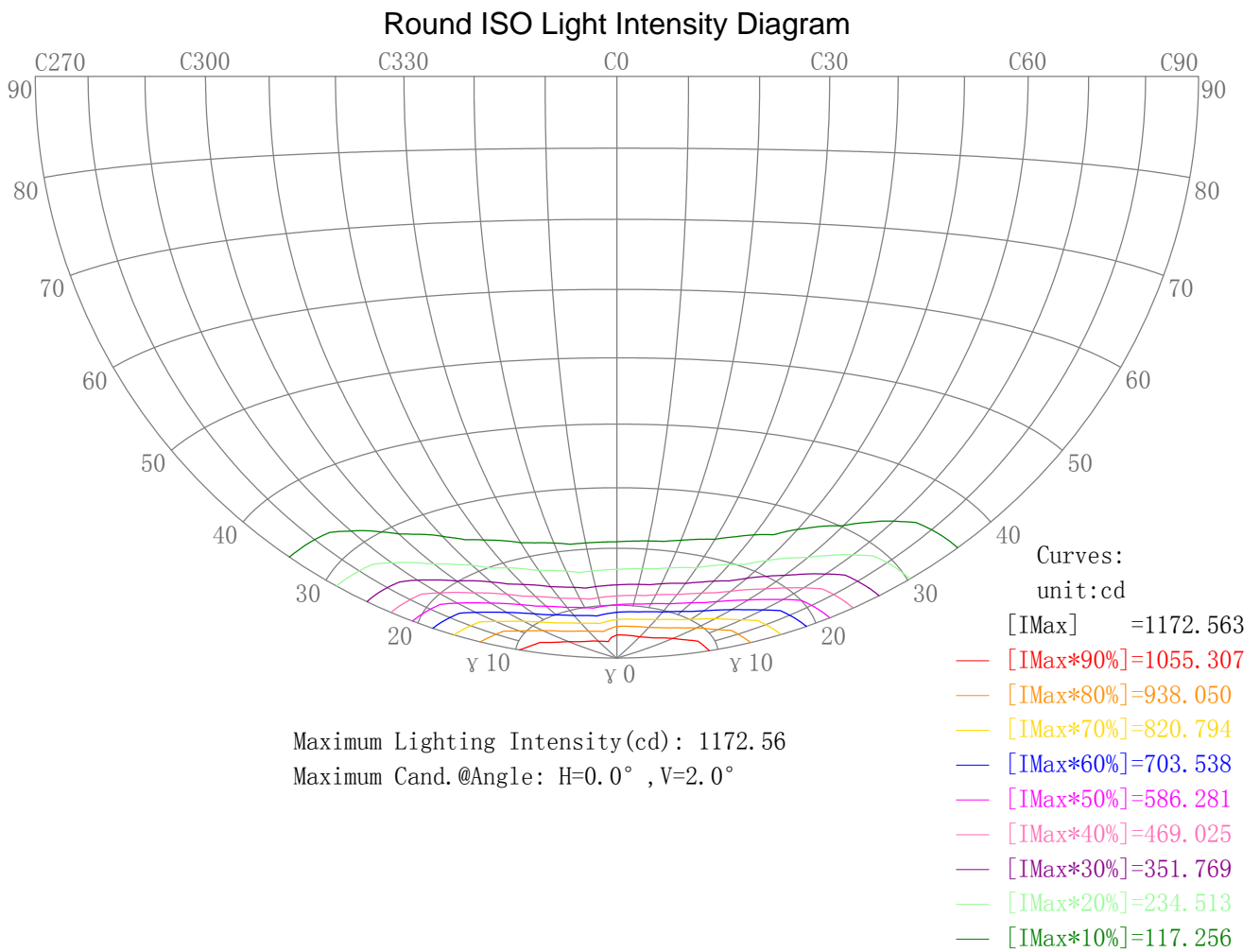


- Curves:**  
 unit:cd  
 [IMax] =1172.563
- [IMax\*90%]=1055.307
  - [IMax\*80%]=938.050
  - [IMax\*70%]=820.794
  - [IMax\*60%]=703.538
  - [IMax\*50%]=586.281
  - [IMax\*40%]=469.025
  - [IMax\*30%]=351.769
  - [IMax\*20%]=234.513
  - [IMax\*10%]=117.256

Maximum Light Intensity(cd): 1172.56  
 Maximum Cand.@Angle: H=2.0°,V=0.0°

### Round ISO Lighting Intensity Diagram

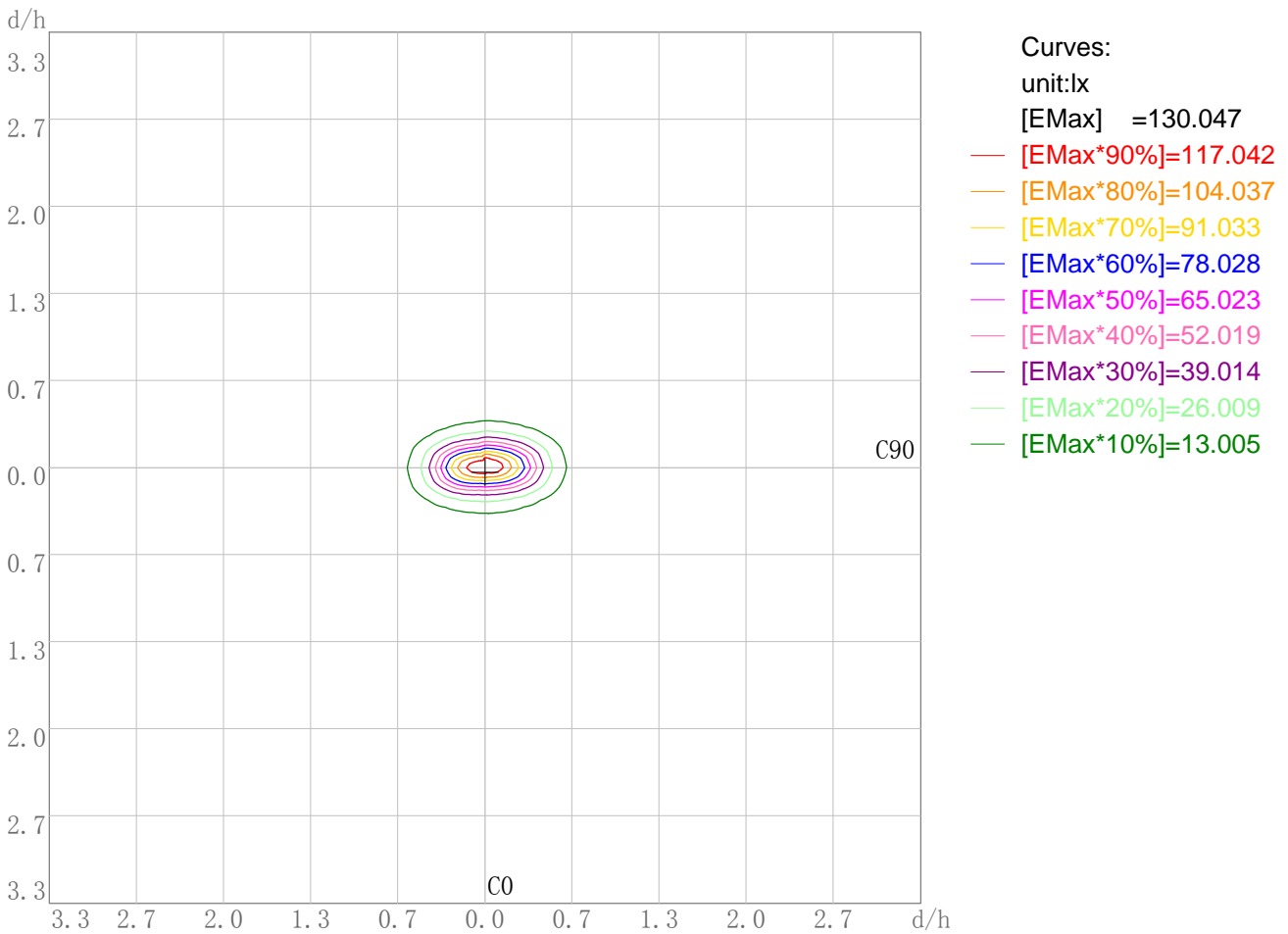
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog: ZX01BB2	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2021/10/23



### Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZX01BB2	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

Plane ISO-Illuminance Curve

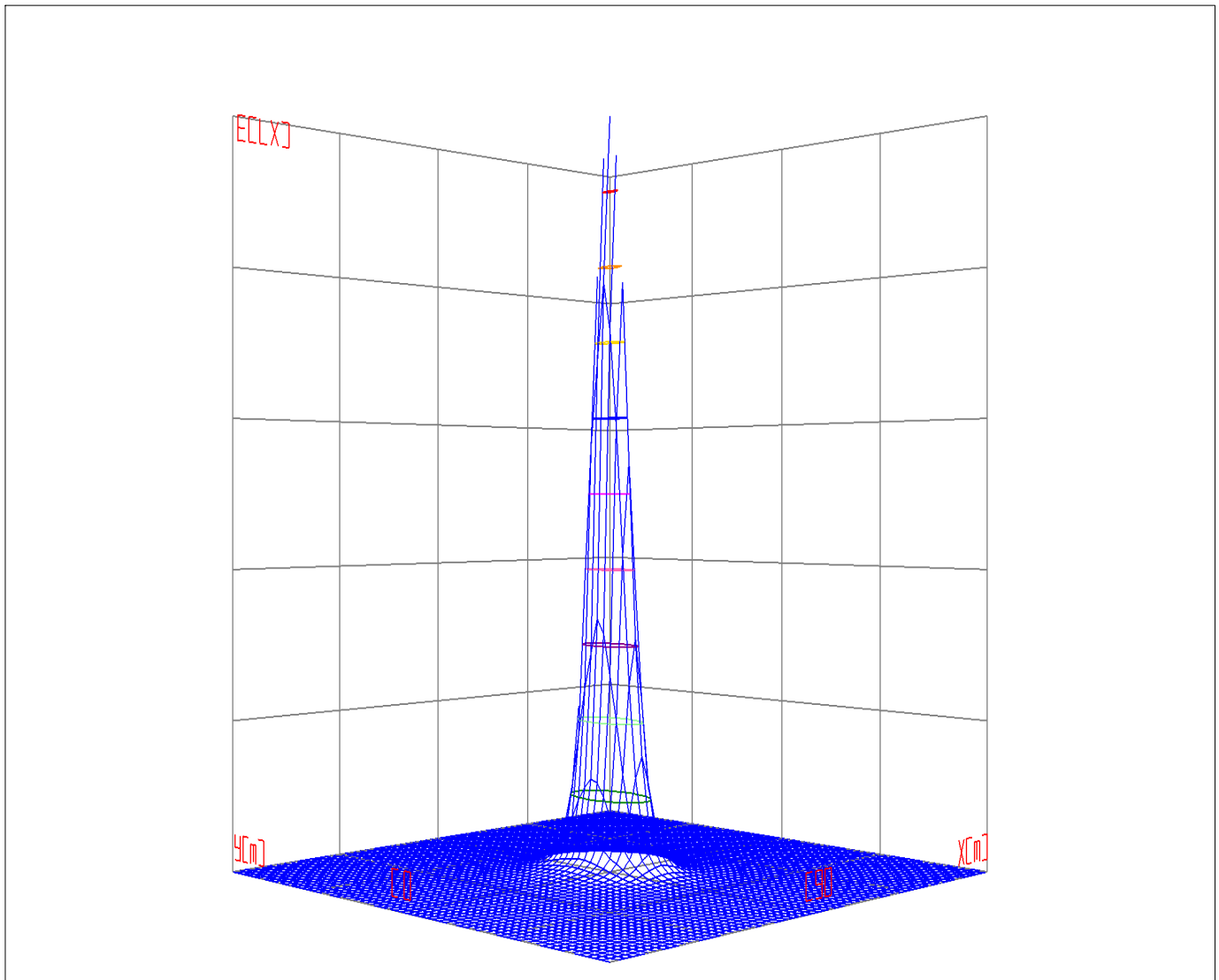


Working Plane Luminaire Mounting Height(m): 3.00  
 Working Plane Maximum Illuminance(lx): 130.05  
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

### 3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZX01BB2	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

### 3D Plane Illuminance Modal



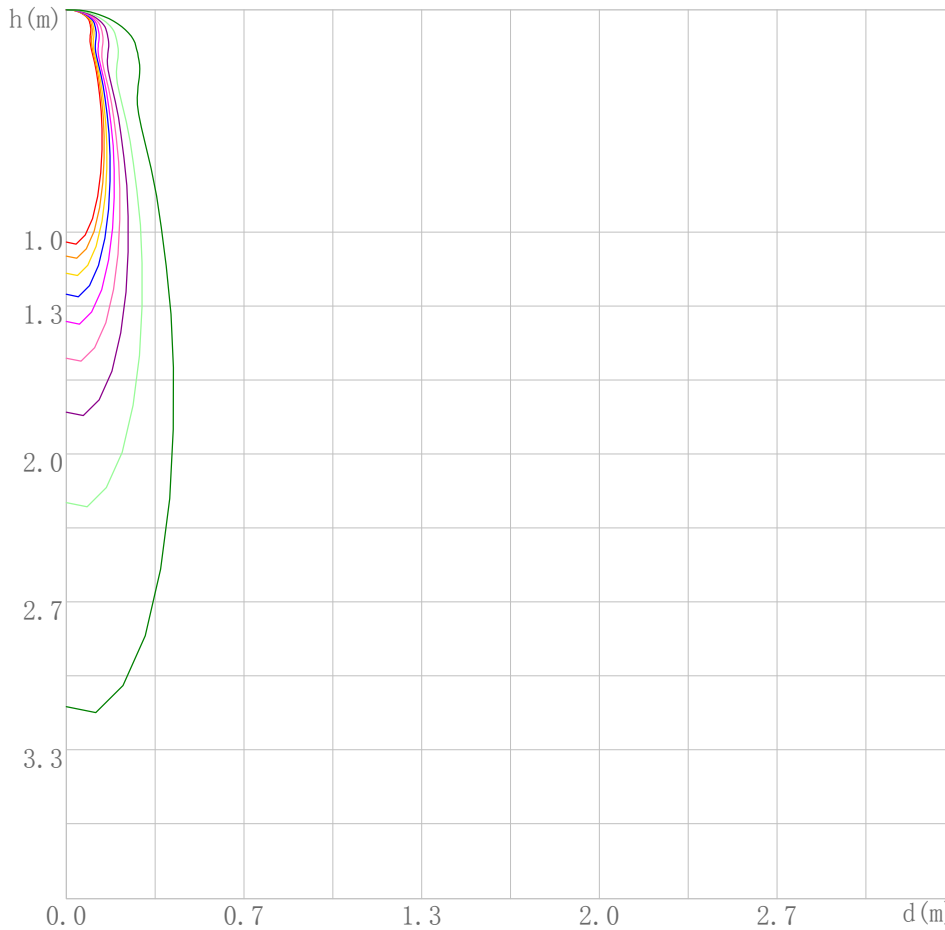
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
 View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0



### Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZX01BB2	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

Space ISO Illuminance Curve



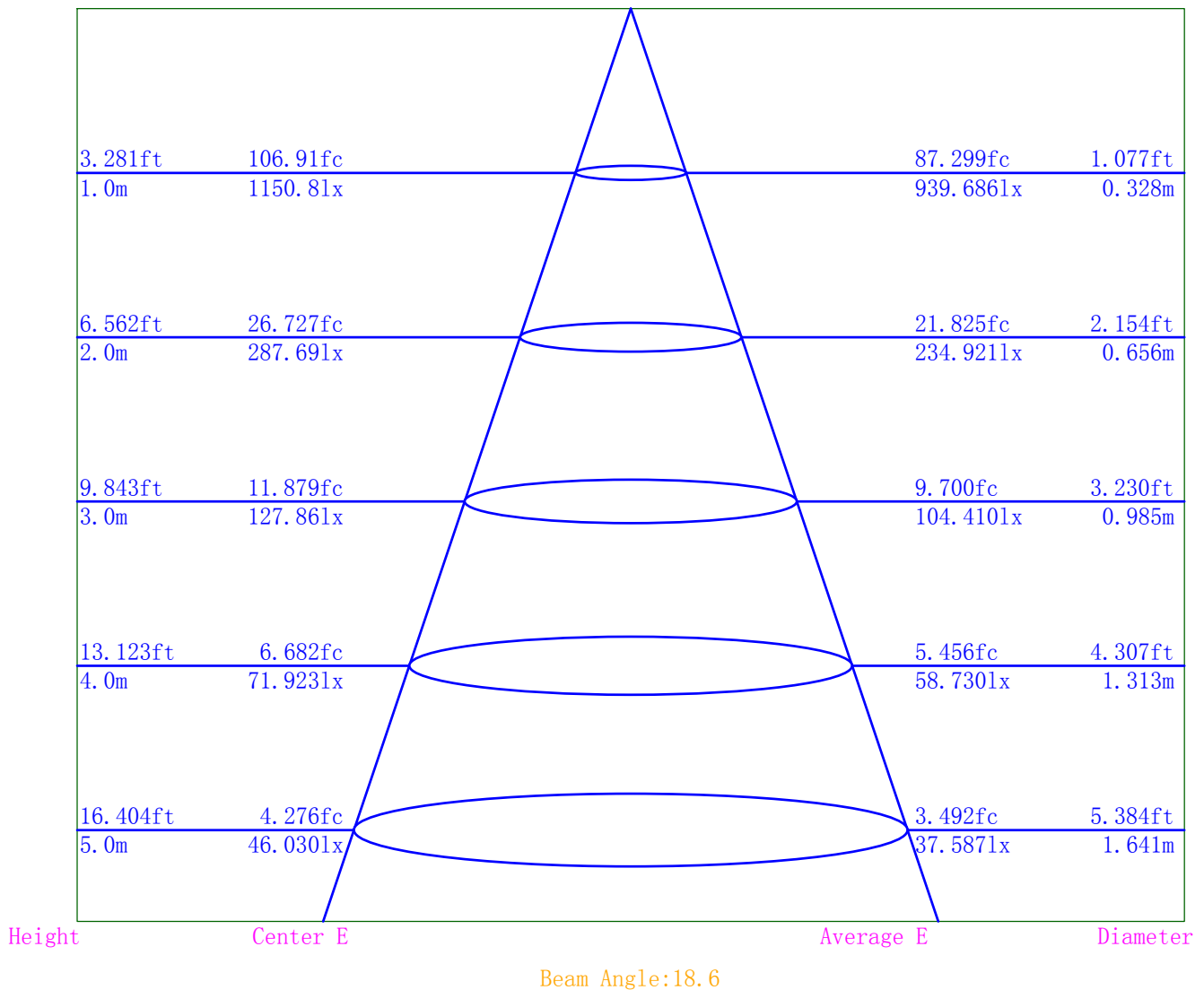
- Curves:  
 [Unit: lx]  
 [EMax] =1170.421
- [EMax\*90%]=1053.379
  - [EMax\*80%]=936.337
  - [EMax\*70%]=819.295
  - [EMax\*60%]=702.253
  - [EMax\*50%]=585.211
  - [EMax\*40%]=468.169
  - [EMax\*30%]=351.126
  - [EMax\*20%]=234.084
  - [EMax\*10%]=117.042

Space Plane Maximum Illuminance and @Angle:1170.42lx,2.0deg  
 Plane Maximum Lighting Intensity and @Angle:1172.563cd,0deg

**Illuminance-Distance Diagram**

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZX01BB2	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

**Illuminance-Distance Curve**



### Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog: ZX01BB2	Test Lab: Test
Manufacture:	Test Machine: GON-2000	Test Date: 2021/10/23

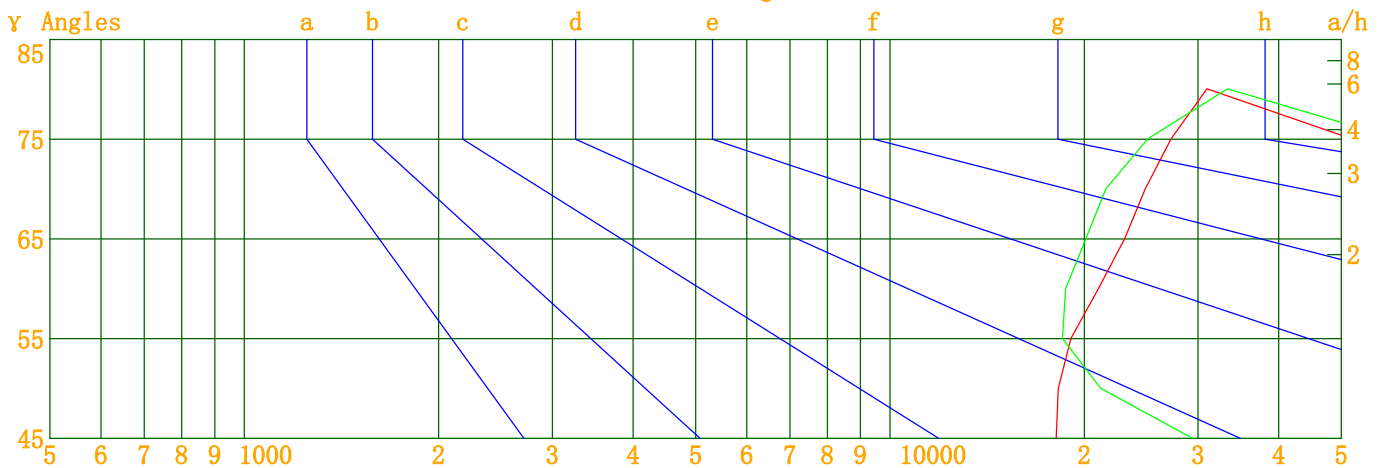
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
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	18084	18219	19067	21027	23093	24859	27260	30972	51461
C90	29441	21214	18496	18704	20113	21605	25086	33327	60311

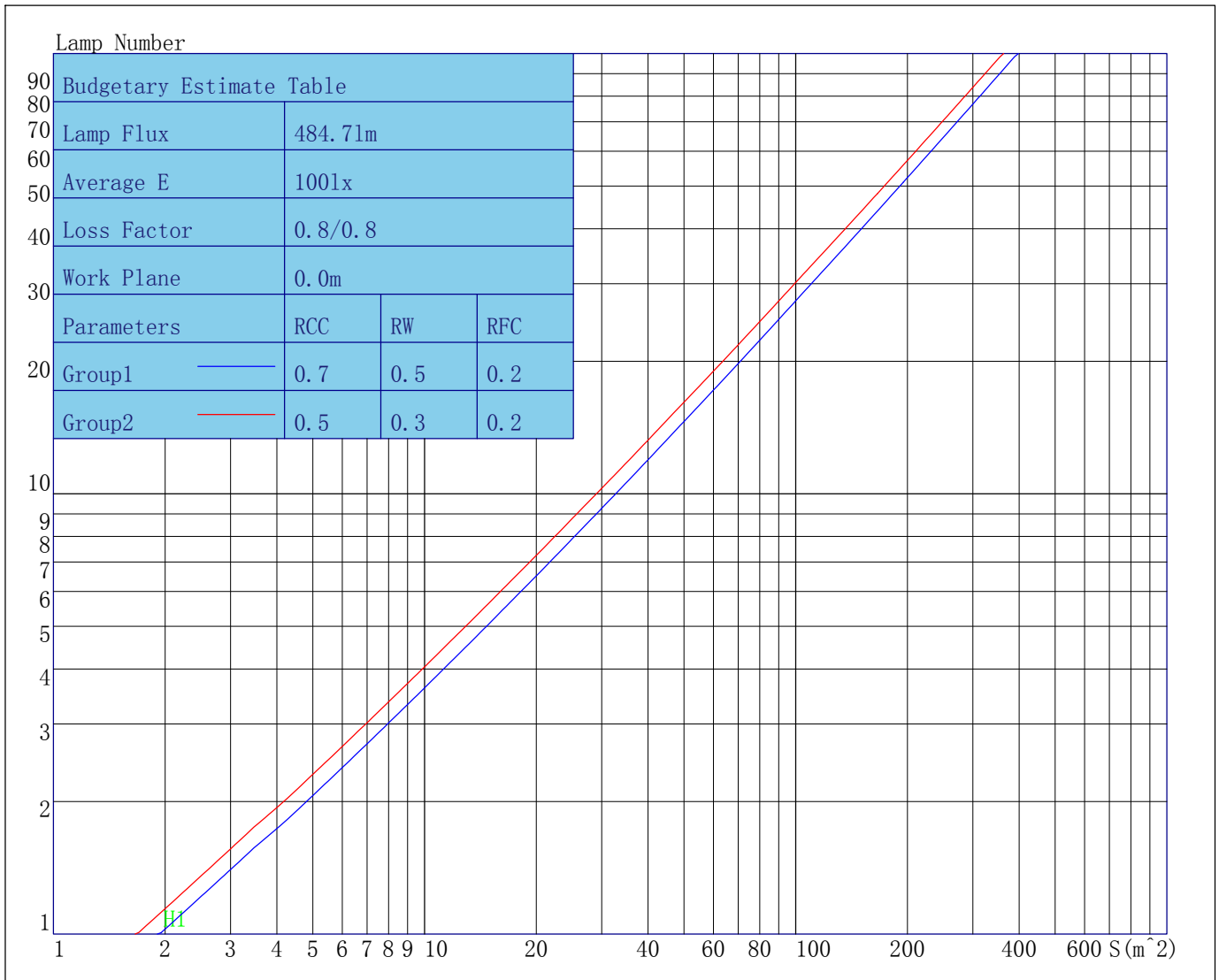
Luminance Limiting Curve



Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m<sup>2</sup>)=0.001963  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

### Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZX01BB2	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23



Parameters1:      Rhocc = 0.7      Rhow = 0.5      Rhofc = 0.2      LLF = 0.8  
Parameters2:      Rhocc = 0.5      Rhow = 0.3      Rhofc = 0.2      LLF = 0.8  
Average Illuminance(lx): 100      Cavity Height:    H1(m) = 2

**Indoor Coefficient of Utilization Table**

<b>Lum. Name:</b>	<b>Lum. Catalog:</b>	<b>Test ID:</b>
<b>Lamp Name:</b>	<b>Lamp Catalog:ZX01BB2</b>	<b>Test Lab: Test</b>
<b>Manufacture:</b>	<b>Test Machine:GON-2000</b>	<b>Test Date: 2021/10/23</b>

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	56	56	56	56	54	54	54	54	51	51	51	47	47	47	44	44	44	43
1	53	51	50	48	51	50	48	47	47	46	45	44	43	42	41	41	40	39
2	50	47	45	43	48	46	44	42	43	42	40	41	40	38	39	38	37	36
3	47	44	41	39	46	43	40	38	40	38	37	38	37	35	37	35	34	33
4	45	41	38	36	43	40	37	35	38	36	34	36	35	33	35	33	32	31
5	43	38	35	33	41	37	35	33	36	34	32	35	33	31	33	32	30	29
6	41	36	33	31	39	35	33	31	34	32	30	33	31	29	32	30	29	28
7	39	34	31	29	38	34	31	29	32	30	28	31	29	28	30	29	27	27
8	37	33	30	28	36	32	29	27	31	29	27	30	28	27	29	27	26	25
9	36	31	28	26	35	31	28	26	30	27	26	29	27	25	28	26	25	24
10	34	30	27	25	33	29	27	25	28	26	25	28	26	24	27	25	24	23

### Unified Glare Rating Table

<b>Lum. Name:</b>	<b>Lum. Catalog:</b>	<b>Test ID:</b>
<b>Lamp Name:</b>	<b>Lamp Catalog:ZX01BB2</b>	<b>Test Lab: Test</b>
<b>Manufacture:</b>	<b>Test Machine:GON-2000</b>	<b>Test Date: 2021/10/23</b>

### 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	22.6	21.9	23.4	22.5	23.1	24.0	23.3	24.8	23.9	24.5
Y=3H	25.2	24.2	26.0	24.8	25.5	25.6	24.7	26.4	25.2	25.9
Y=4H	26.4	25.3	27.3	25.9	26.6	26.6	25.5	27.4	26.1	26.8
Y=6H	27.5	26.3	28.4	26.9	27.7	27.7	26.5	28.6	27.2	27.9
Y=8H	28.1	26.8	29.0	27.4	28.2	28.4	27.1	29.3	27.8	28.5
Y=12H	28.7	27.4	29.6	28.0	28.8	29.2	27.9	30.1	28.5	29.2
X=4H Y=2H	23.7	22.6	24.5	23.2	23.9	24.7	23.5	25.5	24.1	24.9
Y=3H	26.5	25.0	27.3	25.7	26.4	26.7	25.2	27.5	25.9	26.6
Y=4H	27.9	26.2	28.8	26.9	27.7	27.9	26.3	28.8	27.0	27.8
Y=6H	29.2	27.4	30.3	28.1	28.9	29.4	27.6	30.4	28.3	29.1
Y=8H	29.9	28.0	30.9	28.7	29.5	30.2	28.3	31.3	29.0	29.8
Y=12H	30.6	28.6	31.7	29.4	30.2	31.1	29.2	32.2	29.9	30.7
X=8H Y=4H	28.4	26.5	29.5	27.2	28.1	28.5	26.6	29.5	27.3	28.1
Y=6H	30.2	27.9	31.4	28.7	29.1	30.4	28.1	31.6	28.9	29.3
Y=8H	31.2	28.7	32.6	29.6	30.4	31.6	29.1	33.0	30.0	30.8
Y=12H	32.4	29.7	33.8	30.5	31.5	33.0	30.3	34.4	31.1	32.1
X=12H Y=4H	28.5	26.5	29.5	27.3	28.1	28.5	26.5	29.5	27.3	28.1
Y=6H	30.4	28.0	31.7	28.8	29.7	30.6	28.2	31.9	29.0	29.9
Y=8H	31.7	29.0	33.0	29.8	30.8	32.1	29.4	33.4	30.1	31.2
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.1/-0.1				
S=1.5H	0.3/-0.3					0.1/-0.1				
S=2.0H	0.2/-0.3					0.1/-0.1				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	4.9					4.6				

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

**Candela Tabulation**

V/H	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0	C105.0	C120.0	C135.0	C150.0	C165.0
Y 0.0	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76
Y 2.0	1172.56	1163.51	1152.24	1148.72	1150.62	1151.39	1148.40	1137.94	1124.51	1103.98	1084.21	1071.48
Y 4.0	1089.88	1090.00	1090.24	1104.22	1124.96	1138.94	1138.22	1114.84	1079.24	1031.47	987.21	958.26
Y 6.0	943.97	959.33	982.68	1025.52	1076.07	1112.05	1115.98	1074.90	1009.67	927.51	853.41	806.02
Y 8.0	763.57	787.45	835.28	914.70	1005.28	1068.33	1081.38	1021.43	922.20	802.24	701.83	641.38
Y 10.0	592.93	619.93	680.94	783.16	915.23	1010.26	1036.10	956.18	821.08	671.09	555.22	492.34
Y 12.0	445.48	469.62	536.16	650.47	811.47	941.41	980.77	883.20	716.85	543.50	430.52	372.62
Y 14.0	332.07	349.97	409.42	526.28	701.93	863.34	915.29	804.50	613.78	433.79	330.11	283.20
Y 16.0	247.08	260.80	309.61	415.04	593.96	776.42	837.58	718.72	512.10	342.54	255.52	219.27
Y 18.0	180.63	193.74	234.11	321.76	492.53	682.86	751.09	628.91	419.55	268.53	201.21	170.08
Y 20.0	134.87	143.25	177.10	248.33	400.80	586.69	657.63	537.83	339.39	210.32	157.97	131.16
Y 22.0	103.07	109.19	133.08	191.04	320.45	492.18	560.49	449.17	270.51	165.85	122.68	101.87
Y 24.0	78.35	84.12	101.39	146.91	252.32	404.37	466.86	367.96	212.96	130.59	96.09	79.73
Y 26.0	59.69	64.27	79.01	112.95	197.22	327.21	381.31	297.15	166.48	102.73	76.90	62.60
Y 28.0	47.65	50.63	61.95	87.63	153.79	261.53	305.98	237.33	131.39	82.41	62.41	50.60
Y 30.0	39.72	41.79	50.20	69.74	120.10	206.88	241.90	188.19	105.00	67.93	51.24	42.10
Y 32.0	34.96	35.92	42.13	57.03	94.66	162.69	189.63	148.72	84.86	56.86	43.19	36.38
Y 34.0	31.95	32.08	36.35	47.52	75.56	127.68	147.86	117.18	69.37	48.08	37.29	32.50
Y 36.0	30.02	29.42	32.33	40.53	61.26	100.56	115.13	92.73	57.18	41.38	33.20	30.05
Y 38.0	28.35	27.86	29.41	35.60	50.78	80.06	90.54	74.10	48.14	36.29	30.10	28.35
Y 40.0	27.27	26.68	27.23	31.77	42.90	64.04	71.43	59.86	41.22	32.03	27.65	26.85
Y 42.0	26.39	25.73	25.49	28.63	36.47	51.50	56.36	49.04	35.39	28.81	25.70	25.44
Y 44.0	25.51	24.77	24.36	26.40	31.59	41.79	44.88	40.14	30.87	26.46	24.34	24.17
Y 46.0	24.71	23.93	23.55	24.80	28.12	34.48	36.87	33.42	27.80	24.76	23.27	23.11
Y 48.0	23.92	23.21	22.75	23.51	25.51	29.46	30.84	29.22	25.19	23.27	22.24	22.26
Y 50.0	22.99	22.51	22.04	22.38	23.74	25.78	26.77	25.49	23.30	21.92	21.31	21.36
Y 52.0	22.25	21.72	21.43	21.71	22.51	23.18	23.94	22.71	22.15	21.07	20.64	20.51
Y 54.0	21.76	21.19	21.03	21.18	21.17	21.59	21.70	21.04	20.65	20.28	20.10	19.93
Y 56.0	21.19	20.85	20.73	20.41	20.06	20.54	19.96	20.04	19.53	19.40	19.49	19.40
Y 58.0	20.80	20.34	20.15	19.67	19.43	19.84	18.87	19.40	18.72	18.49	18.79	18.75
Y 60.0	20.64	19.75	19.33	18.95	18.95	19.21	18.36	18.74	18.11	17.72	17.99	18.09
Y 62.0	20.21	19.24	18.55	18.26	18.38	18.46	17.88	18.07	17.51	16.99	17.25	17.62
Y 64.0	19.58	18.78	17.91	17.60	17.62	17.58	17.11	17.37	16.91	16.32	16.50	17.17
Y 66.0	18.74	18.08	17.30	16.83	16.77	16.58	16.27	16.67	16.21	15.62	15.78	16.45
Y 68.0	17.76	17.16	16.61	15.94	15.81	15.56	15.35	15.50	15.45	14.85	15.10	15.58
Y 70.0	16.69	16.15	15.69	15.01	14.77	14.59	14.51	14.38	14.48	14.07	14.36	14.68
Y 72.0	15.57	14.89	14.31	14.06	13.89	13.77	13.75	13.56	13.52	13.25	13.35	13.76
Y 74.0	14.50	13.07	12.65	12.97	13.15	13.07	13.05	12.87	12.71	12.24	11.98	12.68
Y 76.0	13.20	11.68	11.41	11.74	12.47	12.44	12.44	12.25	12.06	11.14	10.86	11.44
Y 78.0	11.82	10.55	10.30	10.68	11.79	11.91	11.90	11.79	11.35	10.25	9.96	10.39
Y 80.0	10.56	9.61	9.40	9.84	11.12	11.40	11.36	11.24	10.73	9.47	9.19	9.55
Y 82.0	9.71	8.89	8.67	9.17	10.52	10.90	10.88	10.76	10.08	8.85	8.55	8.87
Y 84.0	9.06	8.29	8.06	8.65	10.01	10.46	10.48	10.37	9.61	8.34	7.99	8.24
Y 86.0	8.56	7.71	7.57	8.19	9.60	10.08	10.16	10.05	9.19	7.90	7.53	7.72
Y 88.0	8.06	7.23	7.18	7.77	9.23	9.77	9.90	9.77	8.82	7.49	7.12	7.30
Y 90.0	7.68	6.84	6.83	7.41	8.95	9.92	9.87	10.10	8.61	7.13	6.82	6.96
Y 92.0	7.44	6.64	6.68	7.19	9.11	13.32	17.33	15.60	9.24	6.95	6.70	6.78

**Candela Tabulation - (Cont.)**

V/H	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0	C105.0	C120.0	C135.0	C150.0	C165.0
Y 94.0	7.40	6.59	6.60	7.14	10.04	17.90	24.98	20.21	10.33	6.81	6.64	6.70
Y 96.0	7.39	6.57	6.58	7.08	11.00	21.42	30.29	23.97	10.72	6.66	6.64	6.66
Y 98.0	7.45	6.56	6.57	7.14	11.68	24.57	35.28	27.52	11.47	6.63	6.65	6.66
Y 100.0	7.50	6.58	6.59	7.23	12.55	27.54	39.42	30.85	12.54	6.64	6.64	6.68
Y 102.0	7.50	6.57	6.59	7.39	13.43	29.38	41.22	33.50	13.69	6.66	6.63	6.72
Y 104.0	7.55	6.59	6.57	7.53	14.16	28.86	38.81	34.87	14.72	6.74	6.63	6.78
Y 106.0	7.23	6.65	6.56	7.49	14.51	26.54	35.26	34.14	15.47	6.93	6.61	6.82
Y 108.0	6.61	6.71	6.57	7.22	14.41	24.03	28.84	31.73	15.53	6.88	6.61	6.85
Y 110.0	6.60	6.79	6.56	6.82	13.51	20.78	20.79	26.72	14.53	6.62	6.62	6.84
Y 112.0	7.07	6.82	6.56	6.63	10.63	16.01	14.51	20.62	9.82	6.58	6.62	6.78
Y 114.0	7.22	6.77	6.57	6.59	7.49	10.44	9.51	12.28	6.77	6.59	6.61	6.72
Y 116.0	7.19	6.72	6.56	6.57	6.62	7.29	7.13	7.47	6.64	6.60	6.61	6.68
Y 118.0	7.43	6.68	6.57	6.59	6.59	6.66	6.68	6.68	6.64	6.62	6.63	6.64
Y 120.0	7.35	6.60	6.58	6.60	6.62	6.65	6.66	6.64	6.65	6.62	6.63	6.63
Y 122.0	7.24	6.60	6.61	6.63	6.63	6.67	6.69	6.67	6.66	6.63	6.65	6.64
Y 124.0	7.10	6.62	6.63	6.64	6.66	6.71	6.72	6.70	6.70	6.68	6.67	6.64
Y 126.0	6.96	6.63	6.63	6.68	6.70	6.74	6.77	6.75	6.74	6.71	6.67	6.67
Y 128.0	6.84	6.64	6.68	6.72	6.75	6.80	6.83	6.81	6.78	6.73	6.68	6.69
Y 130.0	6.76	6.68	6.71	6.77	6.81	6.87	6.89	6.87	6.84	6.78	6.73	6.72
Y 132.0	6.72	6.67	6.75	6.84	6.89	6.95	6.98	6.96	6.92	6.86	6.78	6.75
Y 134.0	6.74	6.76	6.81	6.93	6.98	7.03	7.08	7.05	7.02	6.94	6.85	6.81
Y 136.0	6.82	6.81	6.90	7.01	7.08	7.13	7.18	7.16	7.11	7.01	6.94	6.88
Y 138.0	6.90	6.90	6.99	7.12	7.19	7.24	7.28	7.26	7.21	7.13	7.04	6.99
Y 140.0	7.01	7.00	7.11	7.24	7.31	7.38	7.40	7.39	7.36	7.26	7.18	7.12
Y 142.0	7.13	7.16	7.26	7.38	7.46	7.50	7.51	7.52	7.50	7.41	7.32	7.27
Y 144.0	7.34	7.33	7.42	7.53	7.62	7.63	7.64	7.65	7.62	7.56	7.49	7.44
Y 146.0	7.55	7.53	7.59	7.70	7.75	7.77	7.78	7.78	7.76	7.72	7.67	7.64
Y 148.0	7.80	7.75	7.79	7.85	7.89	7.90	7.90	7.90	7.92	7.87	7.87	7.86
Y 150.0	8.05	7.97	7.99	8.01	8.02	8.03	8.02	8.04	8.03	8.05	8.05	8.08
Y 152.0	8.28	8.25	8.17	8.17	8.15	8.15	8.14	8.17	8.18	8.20	8.23	8.29
Y 154.0	8.51	8.44	8.34	8.30	8.28	8.26	8.23	8.26	8.29	8.34	8.41	8.48
Y 156.0	8.72	8.63	8.52	8.44	8.38	8.35	8.31	8.37	8.42	8.49	8.56	8.64
Y 158.0	8.86	8.79	8.65	8.56	8.48	8.44	8.40	8.45	8.57	8.62	8.69	8.78
Y 160.0	8.99	8.91	8.77	8.65	8.55	8.51	8.46	8.52	8.63	8.72	8.82	8.89
Y 162.0	9.08	9.00	8.85	8.71	8.60	8.56	8.52	8.58	8.69	8.79	8.90	8.96
Y 164.0	9.14	9.02	8.89	8.77	8.64	8.60	8.57	8.62	8.75	8.85	8.94	8.99
Y 166.0	9.12	9.04	8.91	8.77	8.65	8.61	8.63	8.66	8.75	8.88	8.95	9.01
Y 168.0	9.10	9.02	8.87	8.74	8.63	8.63	8.64	8.70	8.78	8.89	8.95	8.99
Y 170.0	9.04	8.93	8.80	8.69	8.62	8.67	8.66	8.73	8.78	8.86	8.90	8.92
Y 172.0	8.93	8.82	8.70	8.64	8.63	8.69	8.69	8.74	8.78	8.82	8.83	8.81
Y 174.0	8.79	8.70	8.62	8.61	8.64	8.69	8.69	8.73	8.77	8.77	8.74	8.68
Y 176.0	8.65	8.57	8.57	8.60	8.66	8.72	8.73	8.76	8.73	8.72	8.66	8.55
Y 178.0	8.53	8.50	8.54	8.61	8.68	8.77	8.76	8.76	8.73	8.65	8.56	8.44
Y 180.0	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62
V/H	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0	C300.0	C315.0	C330.0	C345.0
Y 0.0	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76	1150.76
Y 2.0	1109.07	1097.13	1103.13	1116.05	1128.75	1140.54	1145.96	1143.16	1136.01	1125.79	1116.71	1110.28



**Candela Tabulation - (Cont.)**

V/H	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0	C300.0	C315.0	C330.0	C345.0
Y 4.0	975.04	968.70	1000.36	1042.57	1082.68	1117.34	1133.22	1124.78	1100.28	1071.03	1045.76	1026.34
Y 6.0	803.79	805.63	863.95	942.00	1018.71	1082.97	1113.17	1094.93	1044.05	984.42	928.07	887.99
Y 8.0	627.62	637.36	714.10	822.75	940.88	1038.59	1085.79	1054.87	973.25	866.96	778.91	723.04
Y 10.0	476.84	488.76	569.36	697.49	852.04	984.40	1048.45	1003.01	882.08	735.10	627.61	562.97
Y 12.0	357.62	369.67	444.96	574.66	754.16	917.23	994.86	933.88	777.05	606.57	489.85	425.14
Y 14.0	272.29	282.05	343.55	462.27	649.48	835.06	922.89	849.25	666.30	488.42	375.18	318.00
Y 16.0	210.59	218.89	264.82	364.16	543.18	739.80	833.21	750.88	555.87	384.13	286.30	238.89
Y 18.0	161.07	169.24	205.34	282.10	442.65	636.19	727.47	643.24	451.18	297.66	218.23	178.69
Y 20.0	122.97	129.78	160.13	218.51	354.77	533.01	615.82	535.91	356.15	226.34	164.95	133.80
Y 22.0	96.65	101.10	124.53	171.35	281.47	437.35	509.56	438.13	278.10	171.66	123.18	101.86
Y 24.0	74.66	79.02	97.39	135.22	221.50	351.92	412.31	351.00	215.50	130.80	93.66	77.70
Y 26.0	58.54	62.77	77.98	107.36	173.58	279.19	327.85	277.38	166.03	99.77	72.65	59.34
Y 28.0	47.29	50.90	63.80	85.99	136.45	220.05	257.32	217.25	128.58	78.09	57.64	47.09
Y 30.0	40.06	42.62	52.88	70.11	108.23	173.02	200.57	169.80	100.84	63.32	47.33	39.24
Y 32.0	35.63	37.23	44.94	58.39	86.79	135.89	155.70	133.04	80.15	52.45	40.27	34.12
Y 34.0	32.88	33.48	38.94	49.36	70.47	106.88	120.90	104.60	64.78	44.36	35.21	30.87
Y 36.0	30.86	30.87	34.54	42.47	57.96	84.46	94.10	82.85	53.20	38.29	31.43	28.72
Y 38.0	29.01	29.01	31.16	37.13	48.23	67.35	73.88	66.11	44.62	33.82	28.75	27.15
Y 40.0	27.42	27.45	28.51	32.95	40.78	54.50	58.92	53.54	38.06	30.31	26.79	25.99
Y 42.0	26.07	25.97	26.54	29.65	35.37	44.86	47.54	44.41	33.12	27.64	25.36	25.04
Y 44.0	24.91	24.62	25.16	27.20	31.37	37.53	39.32	37.13	29.68	25.71	24.41	24.13
Y 46.0	23.98	23.56	24.02	25.39	28.20	32.16	33.43	31.78	26.94	24.25	23.58	23.26
Y 48.0	22.92	22.77	23.01	24.10	25.62	28.24	28.51	27.75	24.72	23.13	22.85	22.52
Y 50.0	21.93	21.89	22.22	23.08	23.52	25.12	24.93	24.90	23.08	22.45	22.16	21.80
Y 52.0	21.14	21.14	21.73	22.05	21.98	22.92	22.37	22.94	21.96	22.07	21.72	21.20
Y 54.0	20.68	20.60	21.15	21.00	20.92	21.46	20.75	21.41	21.05	21.46	21.28	20.82
Y 56.0	19.88	20.14	20.42	20.12	20.21	20.64	19.92	20.79	20.88	20.91	20.94	20.49
Y 58.0	19.34	19.58	19.58	19.47	19.70	20.08	19.71	20.46	20.34	20.49	20.44	20.05
Y 60.0	19.06	18.99	18.77	18.92	19.20	19.46	19.25	19.65	19.67	19.95	19.80	19.58
Y 62.0	18.51	18.34	18.11	18.23	18.59	18.88	18.86	18.90	18.85	19.20	19.05	19.13
Y 64.0	17.72	17.78	17.48	17.38	17.97	18.29	18.35	18.23	17.85	18.31	18.31	18.59
Y 66.0	16.93	16.99	16.76	16.45	17.35	17.29	17.31	17.57	17.04	17.35	17.60	17.81
Y 68.0	16.17	16.06	15.96	15.45	16.28	15.81	15.77	16.19	16.11	16.31	16.78	16.87
Y 70.0	15.29	15.13	15.00	14.51	14.90	14.57	14.62	14.82	14.91	15.21	15.79	15.84
Y 72.0	14.39	14.20	13.96	13.61	13.73	13.68	13.74	13.86	13.93	14.18	14.71	14.77
Y 74.0	13.47	13.15	12.95	12.71	12.88	12.92	12.98	12.96	13.01	13.12	13.56	13.62
Y 76.0	12.44	12.17	11.99	11.87	12.14	12.21	12.26	12.21	12.29	12.17	12.45	12.51
Y 78.0	11.40	11.23	10.89	10.97	11.45	11.53	11.56	11.51	11.49	10.95	11.25	11.49
Y 80.0	10.48	10.29	9.76	9.97	10.76	10.97	10.83	10.74	10.65	9.76	9.95	10.59
Y 82.0	9.75	9.28	8.81	9.09	10.10	10.48	10.18	10.11	9.78	8.87	8.98	9.77
Y 84.0	9.14	8.51	8.09	8.38	9.52	10.05	9.66	9.66	9.09	8.14	8.24	9.07
Y 86.0	8.60	7.98	7.53	7.85	9.05	9.70	9.28	9.29	8.59	7.60	7.62	8.51
Y 88.0	8.15	7.56	7.06	7.38	8.71	9.48	8.94	9.07	8.15	7.20	7.15	8.05
Y 90.0	7.88	7.28	6.78	7.01	8.60	9.97	9.06	9.35	7.79	6.83	6.81	7.69
Y 92.0	7.73	7.13	6.65	6.83	9.26	12.70	10.95	11.96	7.79	6.68	6.66	7.48
Y 94.0	7.71	7.08	6.55	6.62	10.31	16.60	14.77	15.70	7.85	6.61	6.58	7.41
Y 96.0	7.67	7.05	6.52	6.54	11.42	19.76	17.28	17.08	7.94	6.59	6.55	7.42

**Candela Tabulation - (Cont.)**

V/H	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0	C300.0	C315.0	C330.0	C345.0
Y 98.0	7.67	7.08	6.53	6.56	12.71	23.47	20.91	19.68	8.28	6.58	6.58	7.45
Y 100.0	7.68	7.14	6.55	6.55	14.13	27.06	24.69	22.36	8.63	6.57	6.58	7.48
Y 102.0	7.70	7.19	6.56	6.55	15.73	29.86	28.33	24.70	9.11	6.58	6.58	7.53
Y 104.0	7.63	7.25	6.55	6.56	17.14	31.31	30.68	26.56	9.69	6.58	6.58	7.59
Y 106.0	6.95	7.28	6.59	6.61	18.07	31.01	31.95	27.08	10.04	6.57	6.57	7.62
Y 108.0	6.57	7.33	6.62	6.59	17.76	28.79	30.67	25.05	9.37	6.56	6.55	7.61
Y 110.0	6.56	7.36	6.63	6.56	13.36	23.77	25.38	18.95	7.00	6.55	6.55	7.59
Y 112.0	6.73	7.30	6.59	6.56	8.23	14.91	14.83	9.36	6.60	6.57	6.56	7.56
Y 114.0	6.71	7.20	6.57	6.56	6.60	7.70	7.35	6.65	6.60	6.57	6.56	7.50
Y 116.0	6.70	7.11	6.55	6.57	6.59	6.66	6.64	6.61	6.60	6.58	6.58	7.41
Y 118.0	6.73	6.99	6.56	6.57	6.61	6.66	6.65	6.62	6.59	6.58	6.60	7.31
Y 120.0	6.66	6.87	6.60	6.59	6.64	6.69	6.67	6.66	6.64	6.59	6.61	7.23
Y 122.0	6.63	6.74	6.61	6.62	6.68	6.72	6.70	6.69	6.66	6.64	6.59	7.16
Y 124.0	6.64	6.65	6.63	6.66	6.71	6.77	6.75	6.75	6.68	6.66	6.61	7.07
Y 126.0	6.65	6.63	6.65	6.72	6.76	6.82	6.82	6.77	6.72	6.69	6.63	6.98
Y 128.0	6.65	6.65	6.69	6.76	6.83	6.89	6.89	6.85	6.79	6.74	6.66	6.89
Y 130.0	6.70	6.69	6.73	6.81	6.91	6.97	6.96	6.94	6.87	6.80	6.73	6.81
Y 132.0	6.73	6.74	6.79	6.90	7.00	7.06	7.05	7.01	6.97	6.89	6.79	6.75
Y 134.0	6.79	6.79	6.88	7.00	7.10	7.15	7.15	7.12	7.07	6.97	6.85	6.75
Y 136.0	6.87	6.90	6.99	7.11	7.22	7.27	7.26	7.25	7.15	7.06	6.94	6.83
Y 138.0	6.99	7.02	7.12	7.23	7.34	7.39	7.39	7.36	7.29	7.16	7.04	6.93
Y 140.0	7.09	7.16	7.28	7.38	7.47	7.53	7.50	7.49	7.44	7.31	7.17	7.05
Y 142.0	7.28	7.34	7.45	7.55	7.61	7.65	7.63	7.61	7.56	7.45	7.33	7.21
Y 144.0	7.51	7.56	7.64	7.72	7.75	7.78	7.77	7.75	7.71	7.61	7.49	7.38
Y 146.0	7.76	7.80	7.83	7.87	7.89	7.93	7.90	7.87	7.84	7.76	7.66	7.59
Y 148.0	7.99	8.00	8.00	8.02	8.03	8.03	8.02	7.99	8.01	7.93	7.86	7.82
Y 150.0	8.27	8.24	8.22	8.19	8.17	8.15	8.13	8.12	8.12	8.08	8.06	8.05
Y 152.0	8.50	8.48	8.41	8.36	8.31	8.28	8.23	8.24	8.26	8.24	8.24	8.27
Y 154.0	8.73	8.65	8.59	8.51	8.45	8.38	8.34	8.33	8.37	8.37	8.42	8.47
Y 156.0	8.89	8.79	8.73	8.65	8.55	8.48	8.43	8.42	8.48	8.50	8.57	8.63
Y 158.0	9.01	8.96	8.85	8.76	8.64	8.57	8.51	8.51	8.54	8.62	8.70	8.77
Y 160.0	9.10	9.05	8.97	8.86	8.73	8.63	8.57	8.56	8.59	8.70	8.80	8.88
Y 162.0	9.15	9.11	9.04	8.94	8.80	8.68	8.63	8.60	8.64	8.74	8.84	8.96
Y 164.0	9.17	9.15	9.08	8.98	8.85	8.73	8.64	8.64	8.63	8.76	8.85	8.98
Y 166.0	9.15	9.15	9.09	8.98	8.87	8.77	8.69	8.67	8.69	8.72	8.83	8.97
Y 168.0	9.09	9.09	9.05	8.96	8.87	8.78	8.71	8.68	8.67	8.69	8.78	8.90
Y 170.0	8.99	8.99	8.99	8.94	8.86	8.78	8.71	8.69	8.64	8.64	8.70	8.80
Y 172.0	8.86	8.90	8.91	8.89	8.84	8.78	8.71	8.70	8.63	8.59	8.59	8.68
Y 174.0	8.70	8.75	8.81	8.81	8.82	8.79	8.73	8.71	8.64	8.56	8.51	8.55
Y 176.0	8.56	8.64	8.72	8.74	8.79	8.79	8.75	8.71	8.65	8.54	8.48	8.45
Y 178.0	8.49	8.53	8.64	8.69	8.76	8.78	8.76	8.75	8.66	8.56	8.45	8.39
Y 180.0	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62	8.62