

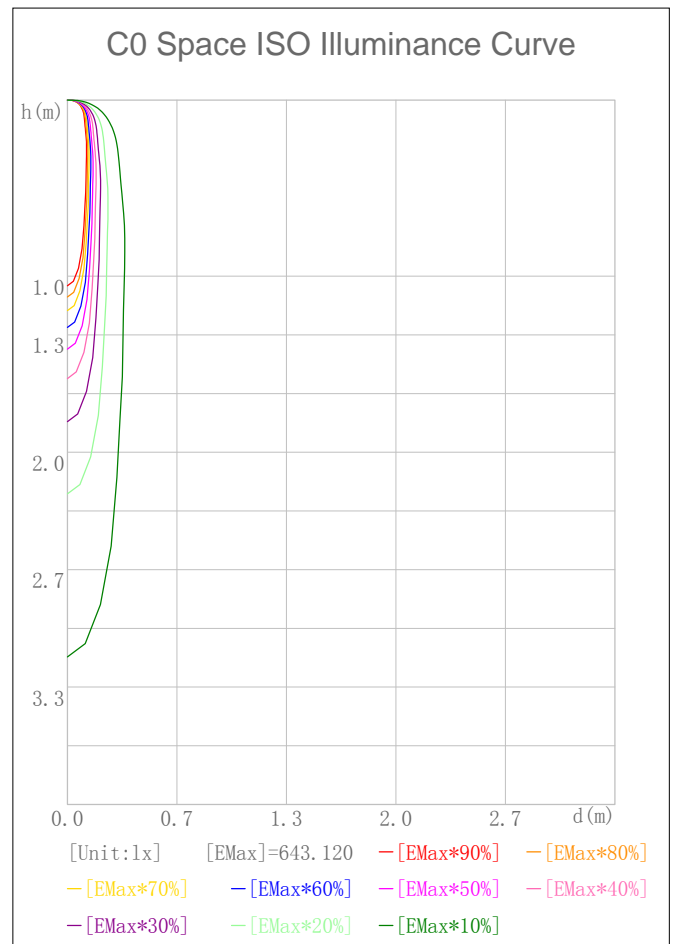
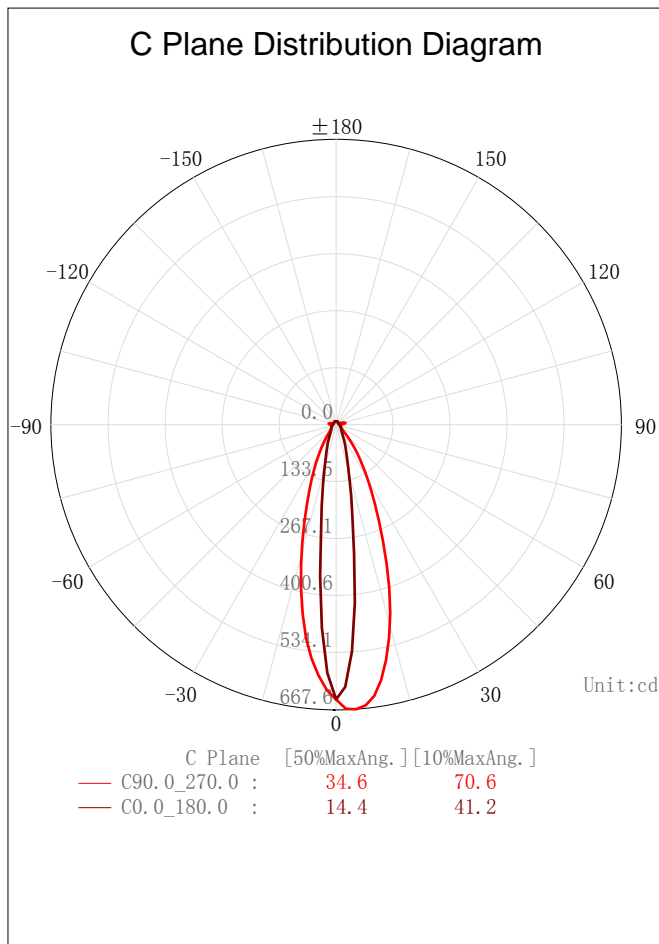
Indoor Luminaire Photometric Data

Description Information

Luminaire Name:		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:ZF01BB3	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

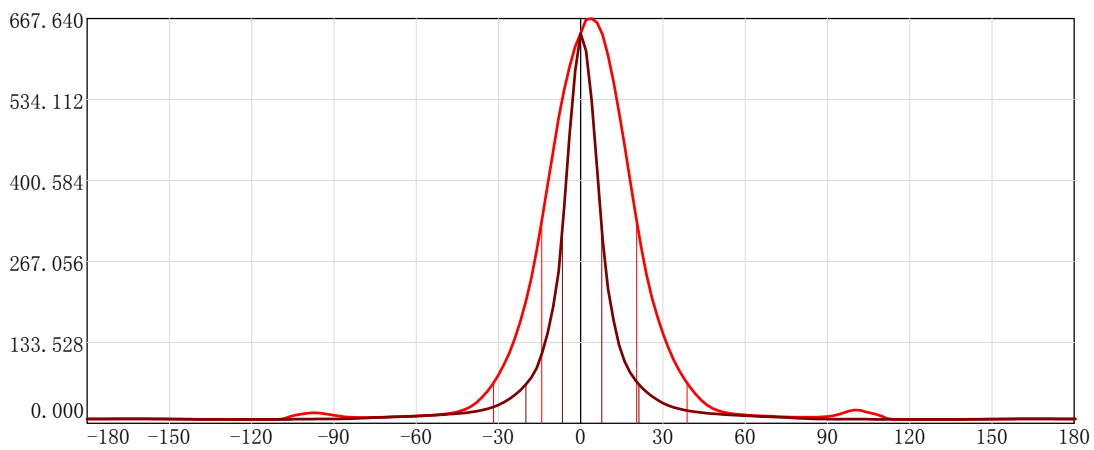
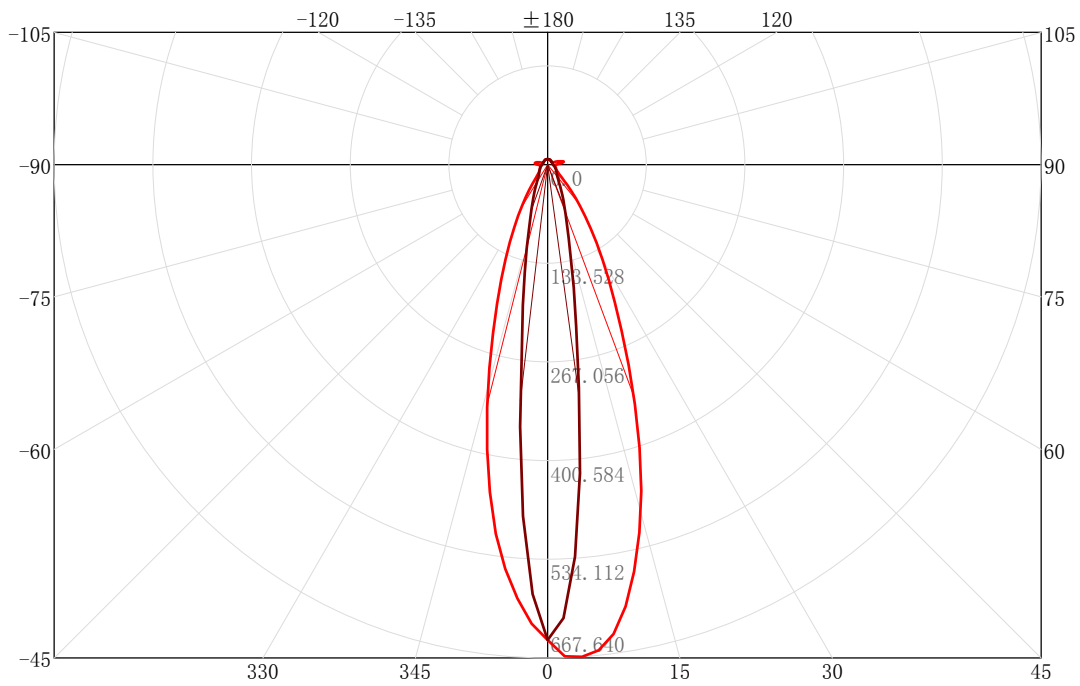
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1000.000	Luminaire Flux(lm): 265.628	Field Angle(10%Imax): 70.6(°)
Rated Power(W):	Luminaire Efficiency: 26.56%	Down Lumens&Percent: 218.773lm 82.36%
Rated Voltage(V):	Luminaire EER(lm/W): 206.554	Up Lumens&Percent: 46.855lm 17.64%
Tested Power(W): 1.286	Max. Candela(cd): 667.640	S/MH: C0_a180=0.247 C90_270=0.583
Lamps' Inside: 1	Max Cand@Ang. (°): C=90.0 γ=4.0	CIE Type: General Diffuse
Tested Electrics (V, A, pf):12.0, 0.107, 1.000	Beam Angle (50%Imax): 34.6(°)	ErP φ use(90°): 170.823lm
Lamp Size (W*L*H):0.050m*-0.050m*0.000m	Left=-14.2°, Right=20.4°	IRF(%): 773.346



2D Plane Light Intensity Distribution Curve

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

C Plane Distribution Diagram

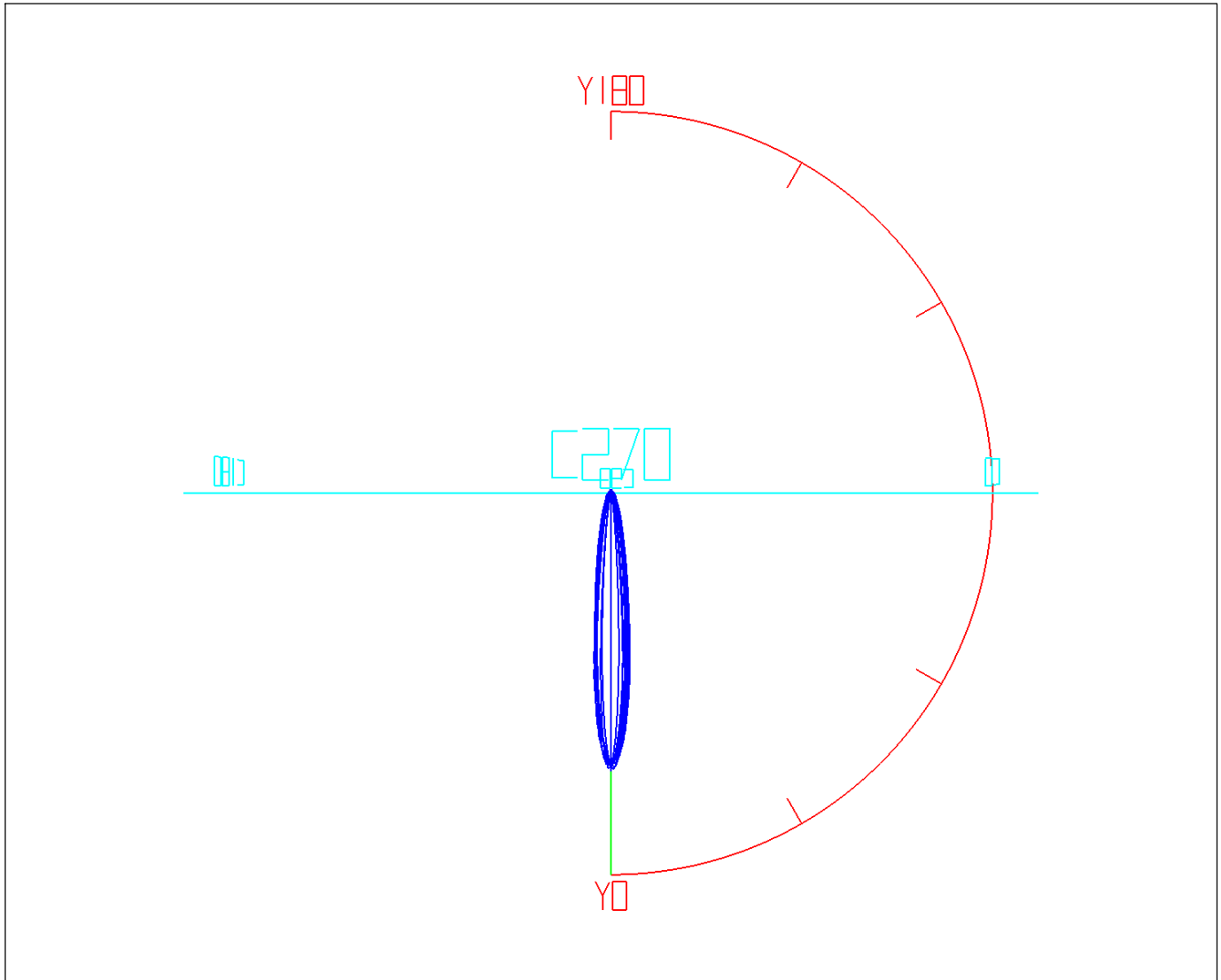


C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
— C90.0_270.0 :	34.6	70.6	
— C0.0_180.0 :	14.4	41.2	

3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	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

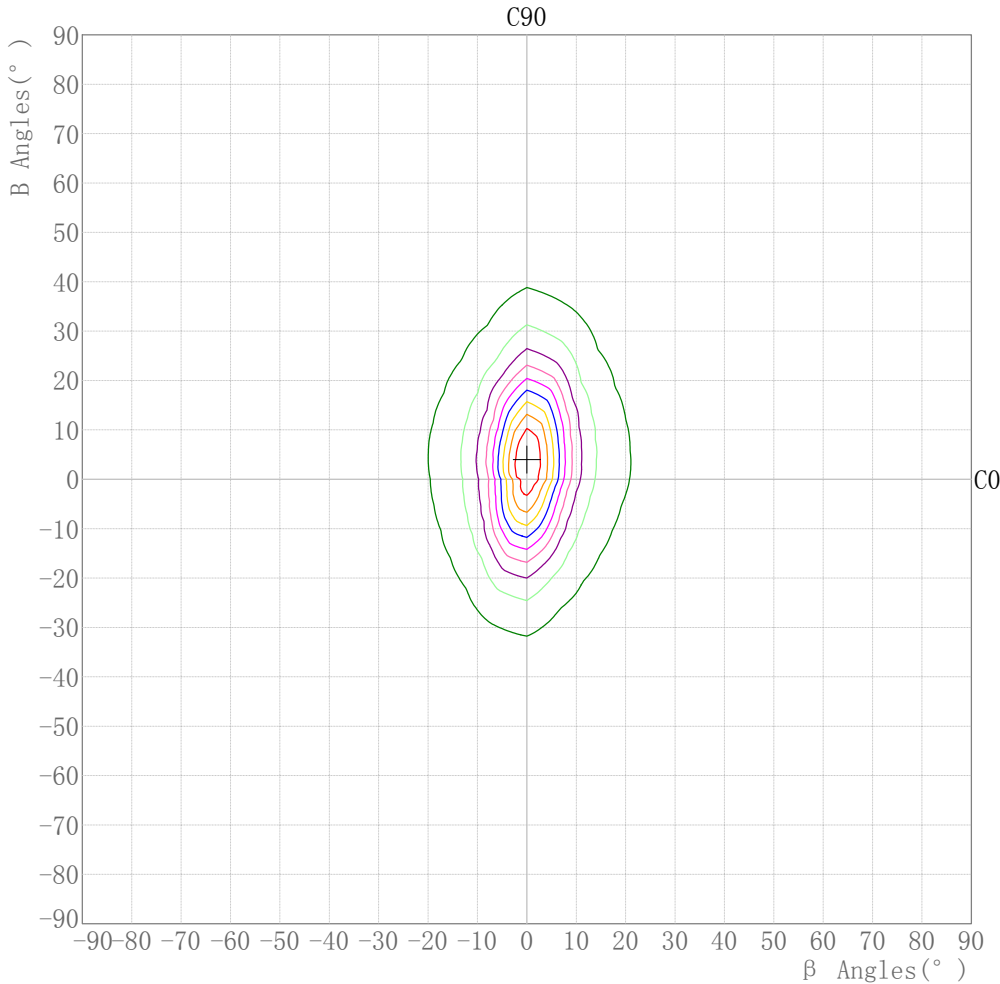
Zonal Flux Tabulation

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	2.42	2.42	0.24	0.24	94.0-96.0	1.95	224.42	0.19	22.44
2.0-4.0	6.78	9.20	0.68	0.92	96.0-98.0	2.01	226.43	0.20	22.64
4.0-6.0	10.02	19.22	1.00	1.92	98.0-100.0	2.04	228.46	0.20	22.85
6.0-8.0	11.90	31.12	1.19	3.11	100.0-102.0	2.01	230.48	0.20	23.05
8.0-10.0	12.65	43.77	1.26	4.38	102.0-104.0	1.93	232.41	0.19	23.24
10.0-12.0	12.69	56.46	1.27	5.65	104.0-106.0	1.81	234.21	0.18	23.42
12.0-14.0	12.29	68.75	1.23	6.88	106.0-108.0	1.66	235.88	0.17	23.59
14.0-16.0	11.59	80.35	1.16	8.03	108.0-110.0	1.51	237.39	0.15	23.74
16.0-18.0	10.74	91.08	1.07	9.11	110.0-112.0	1.40	238.79	0.14	23.88
18.0-20.0	9.83	100.91	0.98	10.09	112.0-114.0	1.33	240.12	0.13	24.01
20.0-22.0	8.93	109.84	0.89	10.98	114.0-116.0	1.30	241.42	0.13	24.14
22.0-24.0	8.08	117.93	0.81	11.79	116.0-118.0	1.28	242.70	0.13	24.27
24.0-26.0	7.31	125.23	0.73	12.52	118.0-120.0	1.25	243.95	0.13	24.40
26.0-28.0	6.61	131.84	0.66	13.18	120.0-122.0	1.23	245.18	0.12	24.52
28.0-30.0	5.97	137.81	0.60	13.78	122.0-124.0	1.20	246.39	0.12	24.64
30.0-32.0	5.39	143.19	0.54	14.32	124.0-126.0	1.18	247.57	0.12	24.76
32.0-34.0	4.87	148.07	0.49	14.81	126.0-128.0	1.15	248.72	0.12	24.87
34.0-36.0	4.42	152.49	0.44	15.25	128.0-130.0	1.12	249.84	0.11	24.98
36.0-38.0	4.04	156.53	0.40	15.65	130.0-132.0	1.10	250.94	0.11	25.09
38.0-40.0	3.71	160.24	0.37	16.02	132.0-134.0	1.07	252.00	0.11	25.20
40.0-42.0	3.43	163.67	0.34	16.37	134.0-136.0	1.04	253.04	0.10	25.30
42.0-44.0	3.19	166.86	0.32	16.69	136.0-138.0	1.01	254.05	0.10	25.40
44.0-46.0	3.00	169.86	0.30	16.99	138.0-140.0	0.98	255.02	0.10	25.50
46.0-48.0	2.85	172.71	0.28	17.27	140.0-142.0	0.94	255.97	0.09	25.60
48.0-50.0	2.73	175.44	0.27	17.54	142.0-144.0	0.91	256.88	0.09	25.69
50.0-52.0	2.63	178.07	0.26	17.81	144.0-146.0	0.88	257.76	0.09	25.78
52.0-54.0	2.56	180.63	0.26	18.06	146.0-148.0	0.84	258.60	0.08	25.86
54.0-56.0	2.50	183.12	0.25	18.31	148.0-150.0	0.81	259.40	0.08	25.94
56.0-58.0	2.44	185.56	0.24	18.56	150.0-152.0	0.77	260.17	0.08	26.02
58.0-60.0	2.39	187.96	0.24	18.80	152.0-154.0	0.72	260.89	0.07	26.09
60.0-62.0	2.35	190.31	0.24	19.03	154.0-156.0	0.68	261.57	0.07	26.16
62.0-64.0	2.32	192.63	0.23	19.26	156.0-158.0	0.63	262.21	0.06	26.22
64.0-66.0	2.28	194.91	0.23	19.49	158.0-160.0	0.58	262.79	0.06	26.28
66.0-68.0	2.25	197.16	0.23	19.72	160.0-162.0	0.53	263.33	0.05	26.33
68.0-70.0	2.22	199.38	0.22	19.94	162.0-164.0	0.48	263.81	0.05	26.38
70.0-72.0	2.18	201.56	0.22	20.16	164.0-166.0	0.43	264.23	0.04	26.42
72.0-74.0	2.12	203.68	0.21	20.37	166.0-168.0	0.37	264.60	0.04	26.46
74.0-76.0	2.06	205.74	0.21	20.57	168.0-170.0	0.31	264.92	0.03	26.49
76.0-78.0	2.00	207.74	0.20	20.77	170.0-172.0	0.26	265.17	0.03	26.52
78.0-80.0	1.94	209.69	0.19	20.97	172.0-174.0	0.20	265.37	0.02	26.54
80.0-82.0	1.88	211.57	0.19	21.16	174.0-176.0	0.14	265.51	0.01	26.55
82.0-84.0	1.83	213.40	0.18	21.34	176.0-178.0	0.08	265.60	0.01	26.56
84.0-86.0	1.80	215.20	0.18	21.52	178.0-180.0	0.03	265.63	0.00	26.56
86.0-88.0	1.78	216.98	0.18	21.70					
88.0-90.0	1.79	218.77	0.18	21.88					
90.0-92.0	1.82	220.60	0.18	22.06					
92.0-94.0	1.88	222.47	0.19	22.25					

Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

ISO Lighting Intensity Curve



Curves:

unit:cd

[IMax] =667.640

— [IMax*90%]=600.876

— [IMax*80%]=534.112

— [IMax*70%]=467.348

— [IMax*60%]=400.584

— [IMax*50%]=333.820

— [IMax*40%]=267.056

— [IMax*30%]=200.292

— [IMax*20%]=133.528

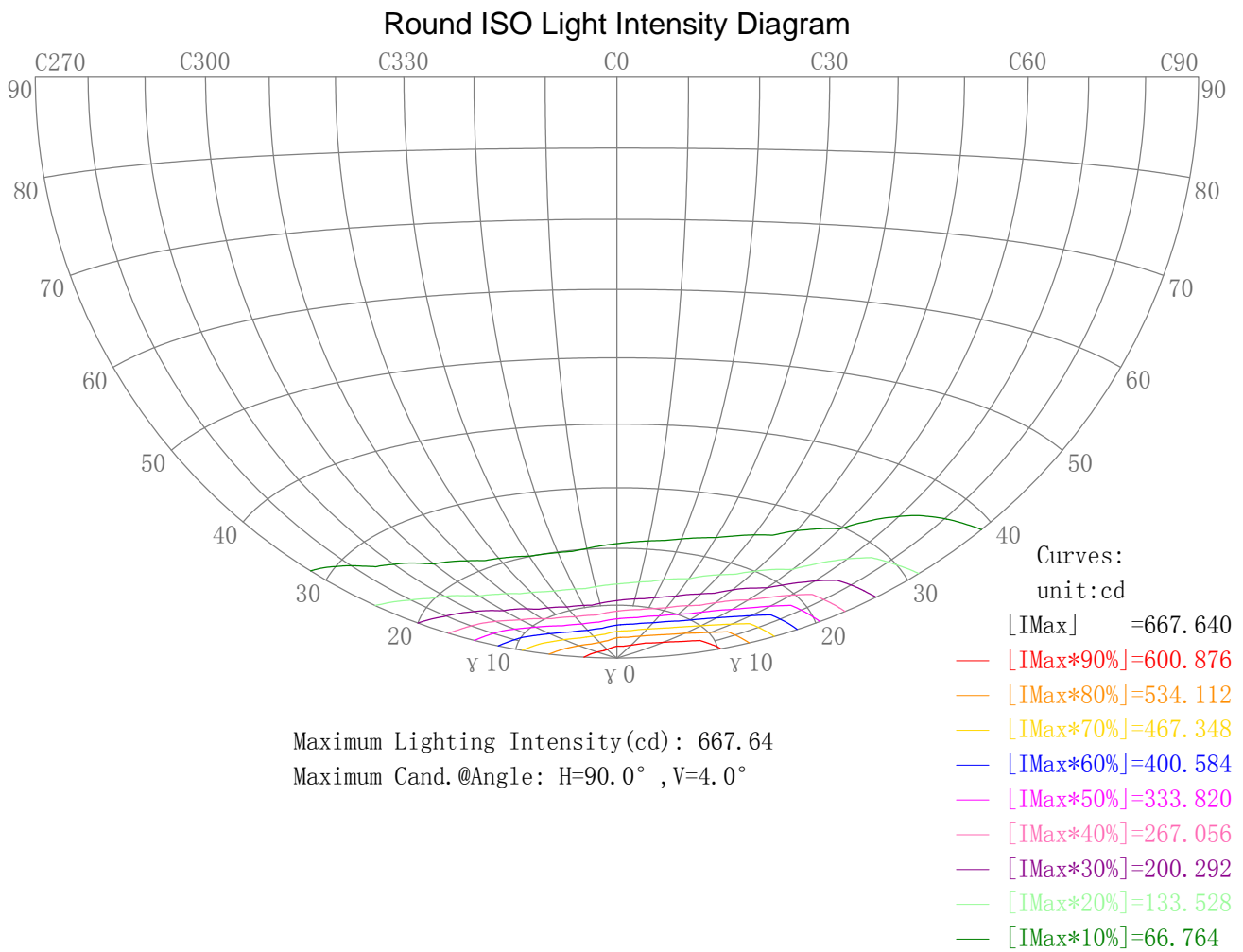
— [IMax*10%]=66.764

Maximum Light Intensity(cd): 667.64

Maximum Cand.@Angle: H=0.0°,V=4.0°

Round ISO Lighting Intensity Diagram

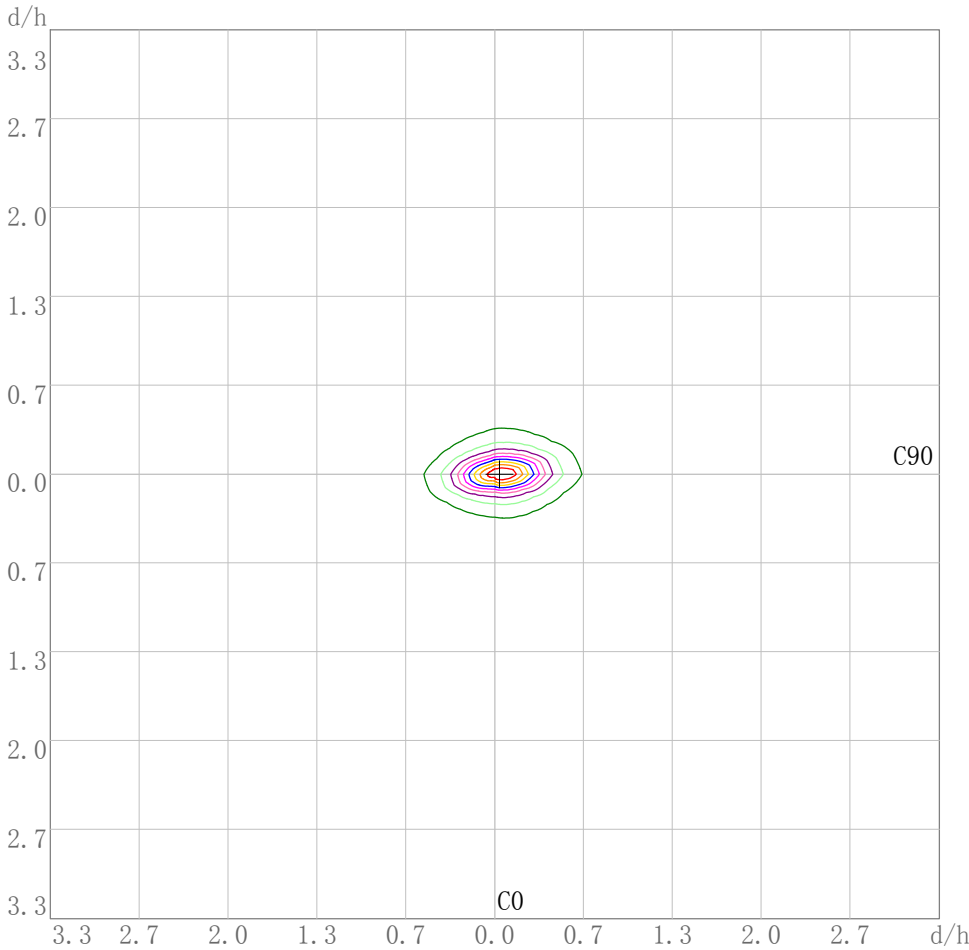
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23



Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

Plane ISO-Illuminance Curve

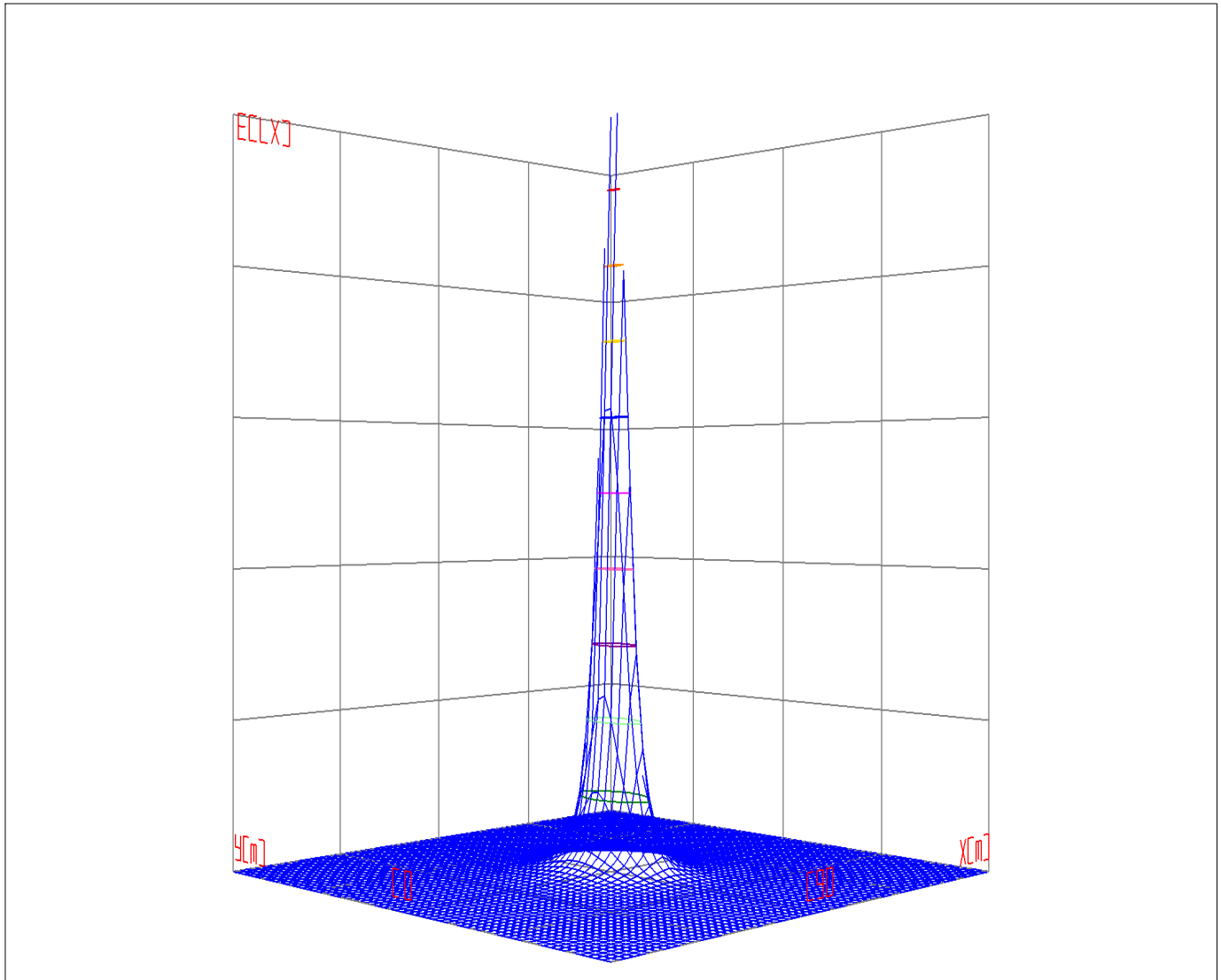


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 73.83
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

3D Plane Illuminance Modal

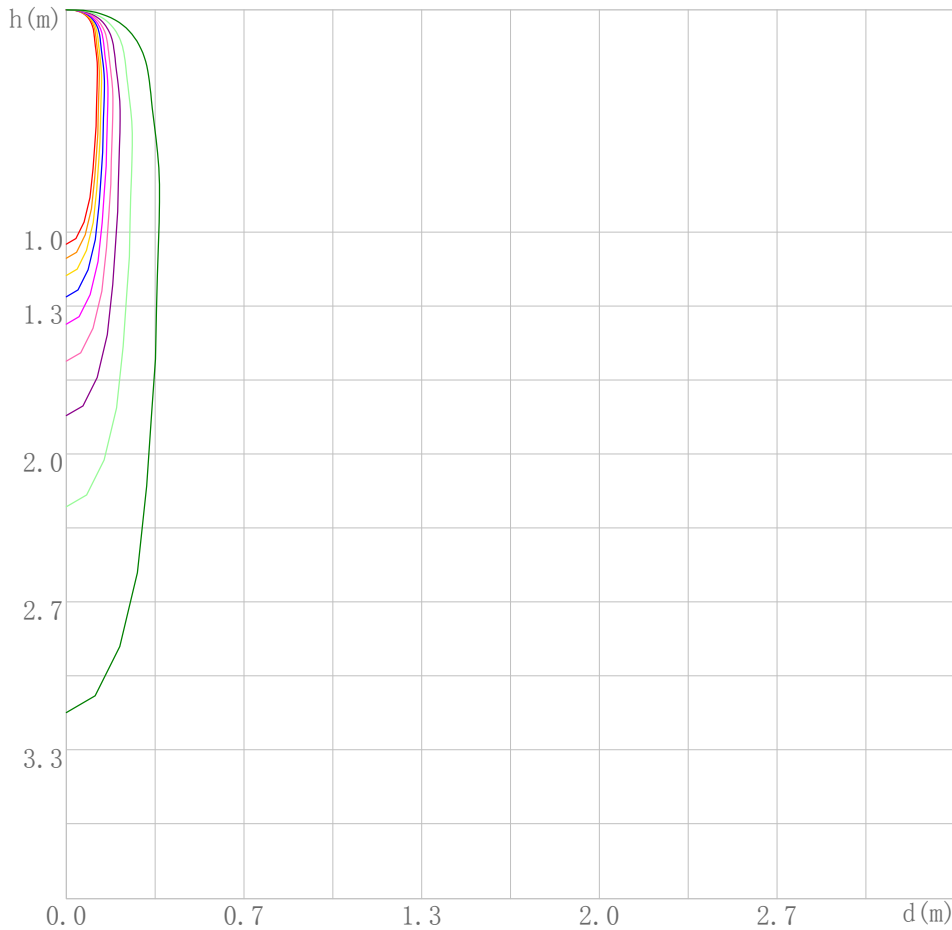


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
 View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

Space ISO Illuminance Curve



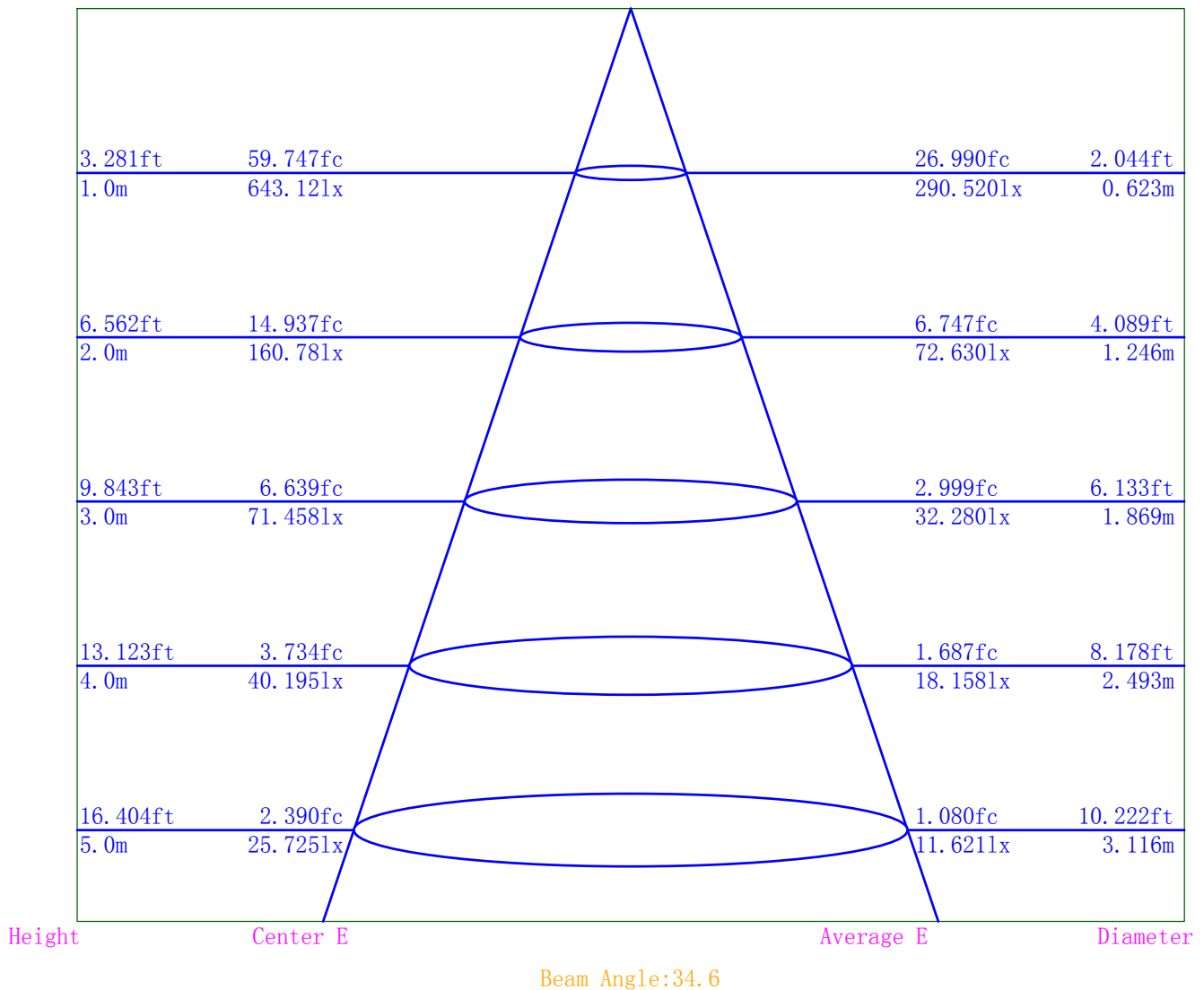
- Curves:
 [Unit: lx]
 [EMax] =643.120
- [EMax*90%]=578.808
 - [EMax*80%]=514.496
 - [EMax*70%]=450.184
 - [EMax*60%]=385.872
 - [EMax*50%]=321.560
 - [EMax*40%]=257.248
 - [EMax*30%]=192.936
 - [EMax*20%]=128.624
 - [EMax*10%]=64.312

Space Plane Maximum Illuminance and @Angle:643.12lx,0.0deg
 Plane Maximum Lighting Intensity and @Angle:643.120cd,0deg

Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	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:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

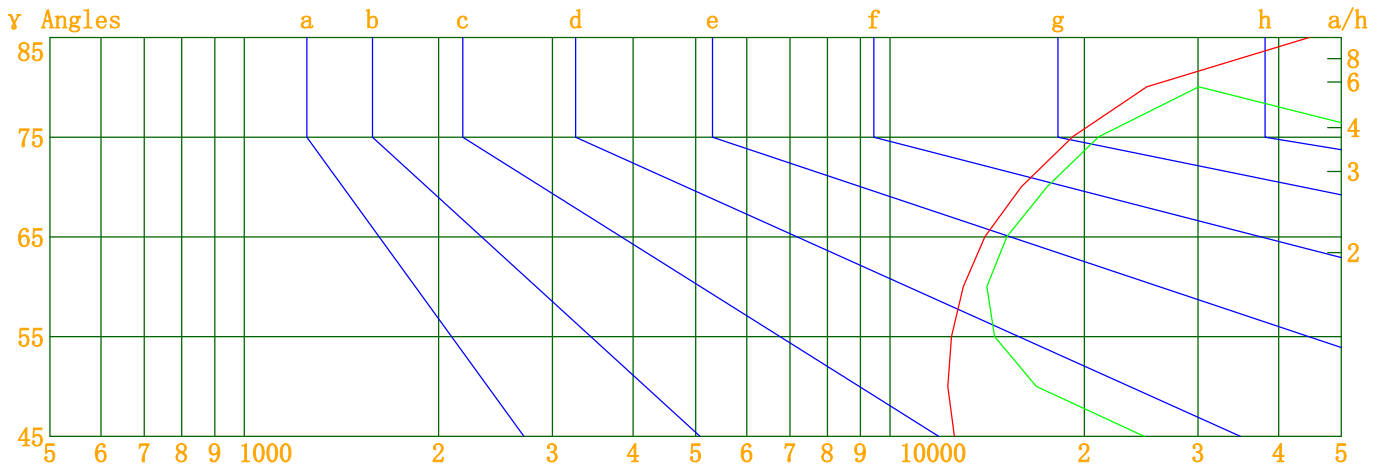
Glare Grade Table

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	12583	12292	12453	12987	14032	15979	19183	24991	44586
C90	24765	16850	14523	14131	15174	17524	21051	30077	60223

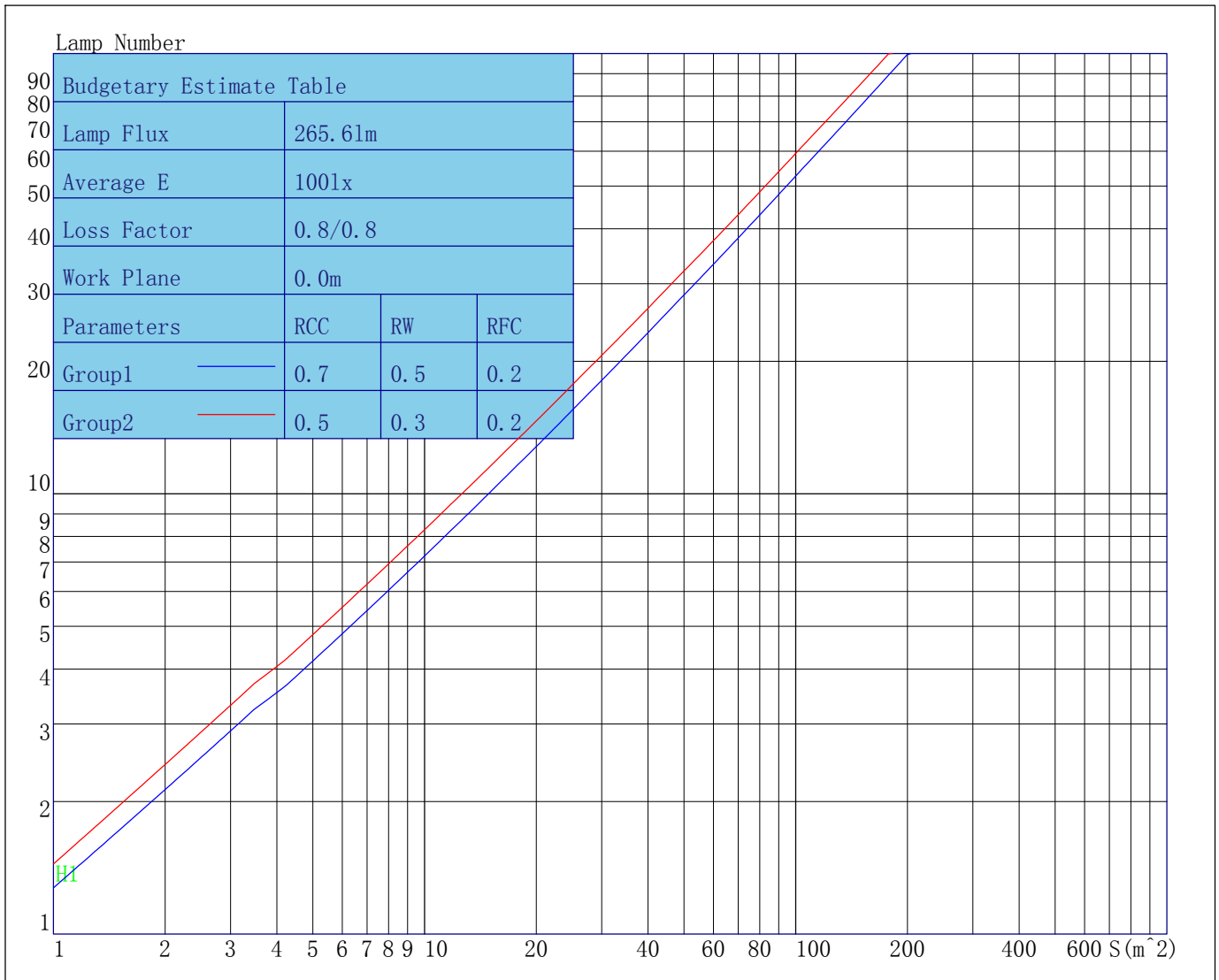
Luminance Limiting Curve



Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m²)=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:ZF01BB3	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

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

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	31	31	31	31	29	29	29	29	27	27	27	25	25	25	23	23	23	22
1	28	27	26	25	27	26	25	25	24	24	23	22	22	21	21	20	20	19
2	26	25	23	22	25	24	23	21	22	21	20	21	20	19	19	19	18	17
3	25	23	21	20	24	22	20	19	21	19	18	19	18	17	18	17	17	16
4	23	21	19	18	22	20	19	17	19	18	17	18	17	16	17	16	15	15
5	22	20	18	16	21	19	17	16	18	17	16	17	16	15	16	15	14	14
6	21	18	16	15	20	18	16	15	17	16	14	16	15	14	15	14	14	13
7	20	17	15	14	19	17	15	14	16	15	14	15	14	13	15	14	13	12
8	19	16	15	13	18	16	14	13	15	14	13	15	13	13	14	13	12	12
9	18	15	14	13	18	15	14	13	15	13	12	14	13	12	13	12	12	11
10	17	15	13	12	17	14	13	12	14	13	12	13	12	11	13	12	11	11

Unified Glare Rating Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:ZF01BB3	Test Lab: Test
Manufacture:	Test Machine:GON-2000	Test Date: 2021/10/23

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	29.5	23.2	34.8	23.9	24.8	31.3	25.0	36.6	25.7	26.6
Y=3H	33.6	25.5	21.5	26.2	27.1	34.8	26.7	22.7	27.4	28.3
Y=4H	36.8	26.7	22.9	27.5	28.4	37.8	27.7	23.9	28.5	29.5
Y=6H	39.7	28.0	24.4	28.8	29.8	40.7	29.1	25.5	29.9	30.8
Y=8H	41.7	28.8	25.3	29.5	30.5	42.8	29.9	26.4	30.7	31.6
Y=12H	41.7	29.6	26.3	30.3	31.2	43.0	31.0	27.6	31.7	32.6
X=4H Y=2H	33.9	23.8	20.0	24.6	25.6	35.4	25.3	21.4	26.0	27.0
Y=3H	22.8	26.3	22.8	27.2	28.1	23.8	27.3	23.8	28.2	29.1
Y=4H	24.4	27.8	24.4	28.6	29.7	25.3	28.6	25.3	29.5	30.6
Y=6H	26.2	29.3	26.2	30.2	31.4	27.1	30.3	27.1	31.2	32.3
Y=8H	27.1	30.1	27.1	31.0	32.1	28.2	31.2	28.2	32.1	33.2
Y=12H	28.2	31.0	28.2	32.0	33.0	29.5	32.3	29.5	33.3	34.3
X=8H Y=4H	25.2	28.3	25.2	29.1	30.2	25.9	29.0	25.9	29.8	30.9
Y=6H	27.2	30.1	27.2	31.2	31.1	28.0	31.0	28.0	32.0	32.0
Y=8H	28.3	31.2	28.3	32.4	33.6	29.3	32.3	29.3	33.4	34.6
Y=12H	29.6	32.5	29.6	33.5	35.1	30.9	33.8	30.9	34.8	36.4
X=12H Y=4H	25.5	28.3	25.5	29.2	30.3	26.1	28.9	26.1	29.8	30.9
Y=6H	27.5	30.3	27.5	31.3	32.5	28.3	31.0	28.3	32.1	33.3
Y=8H	28.7	31.6	28.7	32.6	34.2	29.7	32.6	29.7	33.6	35.1
Variations with the objerver position at spacings										
S=1.0H	0.1/-0.1					0.0/-0.0				
S=1.5H	0.1/-0.1					0.1/-0.1				
S=2.0H	0.1/-0.1					0.1/-0.3				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	5.6					5.4				

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	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12
Y 2.0	613.95	614.62	624.59	638.28	652.62	661.64	665.68	659.23	647.17	634.61	621.15	609.43
Y 4.0	531.66	541.59	569.10	598.93	629.26	657.71	667.64	647.30	617.02	583.16	548.23	518.86
Y 6.0	419.40	438.34	481.30	531.75	588.72	641.57	660.68	621.69	563.21	500.09	443.40	397.69
Y 8.0	303.94	329.60	377.35	450.28	535.52	613.84	641.08	583.50	489.60	401.07	324.50	280.00
Y 10.0	221.84	242.73	284.37	361.31	469.14	575.49	606.96	531.22	407.77	303.52	244.92	213.70
Y 12.0	169.78	183.90	218.15	282.39	401.56	525.56	562.84	469.86	324.90	235.20	189.96	164.73
Y 14.0	129.29	141.80	171.19	220.80	333.91	469.94	512.82	405.08	254.88	186.51	150.79	130.06
Y 16.0	102.72	111.67	133.71	177.11	270.48	414.09	459.46	341.83	204.21	149.84	120.03	101.84
Y 18.0	84.34	91.21	107.25	142.58	215.52	356.58	402.36	282.21	165.54	121.22	95.35	82.90
Y 20.0	70.94	76.40	88.13	113.83	172.74	300.27	345.16	227.05	134.01	97.83	78.75	70.30
Y 22.0	60.32	64.92	73.73	92.05	138.38	249.83	292.40	180.54	109.36	79.86	66.94	59.62
Y 24.0	51.95	55.57	62.85	76.51	113.26	205.91	246.06	144.81	90.29	66.95	57.13	51.24
Y 26.0	44.80	47.97	53.99	64.72	93.54	171.09	207.71	118.07	74.90	57.41	49.26	44.33
Y 28.0	38.67	41.54	46.73	55.27	77.59	142.07	175.70	97.55	62.50	49.53	42.85	38.12
Y 30.0	33.63	36.09	40.77	47.69	64.74	117.68	148.60	80.93	52.87	42.95	37.18	33.06
Y 32.0	29.63	31.65	35.72	41.51	54.35	96.93	124.89	67.43	45.38	37.56	32.40	28.96
Y 34.0	26.46	28.08	31.51	36.47	46.07	79.71	104.26	56.53	39.41	33.10	28.57	25.74
Y 36.0	23.92	25.30	28.05	32.34	39.52	65.76	86.74	47.72	34.59	29.34	25.49	23.23
Y 38.0	21.98	23.14	25.33	28.99	34.53	54.61	71.93	40.76	30.73	26.29	23.09	21.26
Y 40.0	20.37	21.32	23.09	26.16	30.54	45.61	59.34	35.11	27.48	23.79	21.18	19.72
Y 42.0	19.03	19.79	21.20	23.67	27.16	37.87	47.95	30.35	24.67	21.63	19.57	18.39
Y 44.0	17.95	18.52	19.62	21.57	24.32	31.59	38.27	26.48	22.32	19.84	18.24	17.31
Y 46.0	17.00	17.47	18.31	19.81	21.91	26.57	30.50	23.33	20.36	18.39	17.15	16.43
Y 48.0	16.21	16.58	17.19	18.33	19.90	22.76	24.98	20.77	18.74	17.18	16.22	15.67
Y 50.0	15.51	15.79	16.25	17.09	18.23	20.04	21.27	18.75	17.34	16.19	15.43	15.01
Y 52.0	14.90	15.08	15.41	16.02	16.87	18.04	18.79	17.16	16.14	15.33	14.76	14.43
Y 54.0	14.28	14.45	14.67	15.10	15.70	16.59	17.02	15.94	15.14	14.58	14.14	13.90
Y 56.0	13.77	13.86	14.01	14.29	14.78	15.43	15.69	14.94	14.30	13.90	13.57	13.38
Y 58.0	13.22	13.32	13.42	13.57	13.98	14.48	14.68	14.12	13.59	13.31	13.09	12.92
Y 60.0	12.75	12.81	12.86	12.96	13.35	13.74	13.87	13.46	13.00	12.75	12.64	12.50
Y 62.0	12.29	12.35	12.37	12.42	12.81	13.13	13.22	12.91	12.51	12.25	12.18	12.08
Y 64.0	11.83	11.93	11.88	11.95	12.41	12.70	12.75	12.46	12.09	11.81	11.78	11.66
Y 66.0	11.46	11.51	11.45	11.55	12.02	12.37	12.43	12.10	11.73	11.39	11.37	11.27
Y 68.0	11.08	11.09	11.04	11.16	11.73	12.08	12.16	11.79	11.41	10.96	10.90	10.90
Y 70.0	10.73	10.70	10.63	10.83	11.43	11.72	11.77	11.44	11.09	10.52	10.33	10.45
Y 72.0	10.35	10.22	10.18	10.53	11.09	11.17	11.19	10.99	10.74	9.98	9.69	9.86
Y 74.0	9.97	9.64	9.62	10.14	10.63	10.80	10.82	10.59	10.33	9.42	9.11	9.25
Y 76.0	9.53	9.05	9.05	9.60	10.31	10.53	10.58	10.29	9.91	8.88	8.58	8.75
Y 78.0	9.02	8.49	8.46	9.07	10.03	10.31	10.38	10.06	9.53	8.37	8.14	8.28
Y 80.0	8.52	8.01	7.94	8.57	9.75	10.16	10.26	9.88	9.17	7.96	7.77	7.88
Y 82.0	8.06	7.60	7.55	8.15	9.54	10.06	10.19	9.71	8.86	7.63	7.44	7.54
Y 84.0	7.75	7.23	7.20	7.84	9.38	10.02	10.23	9.61	8.62	7.36	7.16	7.24
Y 86.0	7.51	6.94	6.90	7.59	9.25	10.10	10.39	9.58	8.41	7.11	6.83	6.98
Y 88.0	7.28	6.75	6.67	7.34	9.17	10.31	10.74	9.62	8.23	6.83	6.63	6.73
Y 90.0	7.09	6.59	6.54	7.10	9.16	10.78	11.43	9.77	8.05	6.60	6.52	6.58
Y 92.0	7.01	6.51	6.53	6.98	9.25	11.69	12.68	10.11	7.96	6.53	6.51	6.51

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	6.98	6.51	6.54	6.97	9.55	13.21	14.75	10.69	8.02	6.51	6.50	6.49
Y 96.0	7.02	6.51	6.53	7.00	9.91	15.32	17.59	11.44	8.11	6.50	6.50	6.49
Y 98.0	7.05	6.52	6.52	7.07	10.20	17.59	20.48	12.23	8.20	6.51	6.50	6.48
Y 100.0	7.07	6.52	6.51	7.13	10.00	18.95	22.24	12.88	8.26	6.51	6.50	6.50
Y 102.0	7.07	6.50	6.50	7.19	9.47	17.37	21.60	13.20	8.26	6.52	6.49	6.49
Y 104.0	7.09	6.51	6.49	7.10	10.19	13.17	18.91	13.05	8.19	6.54	6.48	6.52
Y 106.0	6.91	6.56	6.49	6.79	9.67	13.08	16.80	12.23	7.86	6.52	6.50	6.55
Y 108.0	6.55	6.59	6.48	6.60	7.97	12.56	14.87	10.62	7.04	6.50	6.50	6.53
Y 110.0	6.56	6.58	6.47	6.53	6.70	9.97	11.72	8.31	6.56	6.50	6.50	6.54
Y 112.0	6.90	6.55	6.48	6.52	6.57	6.86	7.55	6.70	6.51	6.49	6.50	6.51
Y 114.0	6.90	6.52	6.50	6.53	6.57	6.56	6.58	6.50	6.50	6.50	6.51	6.50
Y 116.0	6.82	6.50	6.48	6.52	6.55	6.56	6.55	6.51	6.50	6.50	6.51	6.50
Y 118.0	6.72	6.51	6.48	6.51	6.54	6.55	6.56	6.52	6.51	6.50	6.51	6.49
Y 120.0	6.61	6.51	6.51	6.51	6.53	6.54	6.57	6.53	6.52	6.51	6.49	6.51
Y 122.0	6.56	6.51	6.52	6.52	6.53	6.55	6.57	6.54	6.52	6.53	6.51	6.53
Y 124.0	6.53	6.53	6.50	6.54	6.55	6.55	6.55	6.54	6.53	6.53	6.53	6.54
Y 126.0	6.53	6.54	6.50	6.53	6.55	6.57	6.57	6.57	6.54	6.53	6.53	6.53
Y 128.0	6.54	6.53	6.52	6.55	6.57	6.59	6.58	6.59	6.56	6.55	6.53	6.55
Y 130.0	6.55	6.54	6.56	6.57	6.58	6.61	6.61	6.60	6.58	6.58	6.55	6.57
Y 132.0	6.60	6.55	6.58	6.61	6.59	6.62	6.62	6.64	6.61	6.61	6.58	6.58
Y 134.0	6.62	6.57	6.59	6.64	6.61	6.65	6.67	6.66	6.64	6.65	6.59	6.60
Y 136.0	6.64	6.61	6.64	6.66	6.65	6.68	6.69	6.70	6.68	6.67	6.63	6.63
Y 138.0	6.69	6.64	6.67	6.70	6.69	6.74	6.72	6.74	6.72	6.71	6.67	6.66
Y 140.0	6.71	6.68	6.70	6.74	6.76	6.79	6.78	6.79	6.77	6.74	6.72	6.73
Y 142.0	6.76	6.74	6.76	6.77	6.79	6.83	6.83	6.83	6.81	6.80	6.77	6.75
Y 144.0	6.81	6.81	6.83	6.83	6.84	6.89	6.88	6.89	6.86	6.86	6.83	6.83
Y 146.0	6.90	6.88	6.90	6.90	6.90	6.94	6.93	6.97	6.93	6.93	6.92	6.91
Y 148.0	7.01	6.98	6.96	6.98	6.96	6.99	6.99	7.02	6.99	7.01	7.00	7.03
Y 150.0	7.13	7.08	7.06	7.06	7.04	7.03	7.06	7.07	7.06	7.08	7.09	7.13
Y 152.0	7.25	7.18	7.14	7.11	7.12	7.09	7.12	7.14	7.14	7.18	7.17	7.22
Y 154.0	7.36	7.27	7.23	7.19	7.18	7.17	7.17	7.20	7.21	7.25	7.28	7.34
Y 156.0	7.44	7.36	7.31	7.25	7.25	7.23	7.23	7.26	7.29	7.31	7.34	7.41
Y 158.0	7.49	7.43	7.39	7.32	7.29	7.28	7.29	7.32	7.34	7.39	7.41	7.46
Y 160.0	7.53	7.49	7.45	7.36	7.35	7.34	7.34	7.36	7.38	7.43	7.48	7.52
Y 162.0	7.57	7.53	7.48	7.43	7.38	7.37	7.37	7.39	7.43	7.49	7.52	7.54
Y 164.0	7.57	7.54	7.52	7.44	7.42	7.40	7.40	7.43	7.47	7.53	7.53	7.56
Y 166.0	7.57	7.54	7.53	7.45	7.43	7.42	7.44	7.47	7.49	7.54	7.53	7.57
Y 168.0	7.58	7.54	7.50	7.47	7.45	7.44	7.45	7.48	7.50	7.56	7.55	7.54
Y 170.0	7.56	7.52	7.49	7.47	7.43	7.46	7.47	7.48	7.49	7.54	7.53	7.54
Y 172.0	7.53	7.46	7.45	7.43	7.44	7.47	7.47	7.49	7.49	7.53	7.52	7.51
Y 174.0	7.48	7.42	7.42	7.44	7.43	7.48	7.47	7.48	7.48	7.49	7.47	7.43
Y 176.0	7.42	7.38	7.38	7.41	7.42	7.45	7.45	7.46	7.46	7.45	7.40	7.36
Y 178.0	7.34	7.35	7.37	7.41	7.43	7.45	7.45	7.45	7.44	7.41	7.36	7.28
Y 180.0	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38
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	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12	643.12
Y 2.0	581.34	576.64	583.52	597.34	610.55	618.95	621.38	616.17	608.63	599.76	598.48	604.35

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	476.76	480.91	501.19	534.23	560.92	583.20	588.26	571.18	548.01	522.50	509.37	510.69
Y 6.0	356.35	365.22	397.26	451.40	503.91	538.73	549.83	517.07	475.34	430.98	401.51	394.64
Y 8.0	251.25	265.30	294.70	363.52	436.09	485.84	504.27	457.91	397.17	335.83	296.85	282.77
Y 10.0	193.20	199.02	217.36	279.21	364.40	431.08	449.75	395.91	321.32	252.08	218.29	206.51
Y 12.0	149.23	153.74	169.75	205.42	297.23	373.75	393.84	333.14	251.14	190.55	165.89	157.63
Y 14.0	116.90	119.66	132.68	160.23	234.35	318.74	338.56	273.63	192.59	146.75	128.13	120.11
Y 16.0	91.57	94.11	104.30	128.01	178.50	265.67	286.24	219.86	149.31	115.54	99.83	95.18
Y 18.0	75.67	75.98	83.42	102.44	139.07	217.88	239.23	174.80	117.56	91.55	80.38	77.92
Y 20.0	64.15	63.68	67.68	82.44	110.89	179.73	200.24	139.32	94.38	74.01	67.07	65.66
Y 22.0	54.56	54.14	56.63	67.30	90.13	148.01	167.76	111.73	76.65	61.42	57.03	56.03
Y 24.0	47.07	46.31	48.37	55.37	74.20	121.53	140.08	90.24	62.73	52.09	48.87	48.24
Y 26.0	40.49	39.99	41.49	46.33	61.19	99.58	116.45	73.32	52.19	44.79	42.20	41.61
Y 28.0	34.83	34.65	35.96	39.62	50.66	81.20	96.55	60.09	44.17	38.78	36.75	35.99
Y 30.0	30.34	30.16	31.51	34.39	42.48	66.23	79.61	49.76	37.89	33.89	32.13	31.42
Y 32.0	26.79	26.58	27.78	30.13	36.04	54.03	65.13	41.72	32.97	29.95	28.31	27.76
Y 34.0	23.99	23.78	24.72	26.64	31.03	44.22	52.92	35.39	29.04	26.67	25.26	24.87
Y 36.0	21.79	21.56	22.25	23.80	27.04	36.23	42.69	30.36	25.87	23.94	22.82	22.55
Y 38.0	20.05	19.78	20.24	21.50	23.88	29.79	34.35	26.33	23.25	21.67	20.81	20.73
Y 40.0	18.63	18.36	18.60	19.60	21.30	24.98	27.96	23.07	21.07	19.81	19.22	19.21
Y 42.0	17.50	17.21	17.29	18.05	19.23	21.46	23.38	20.50	19.27	18.31	17.92	18.00
Y 44.0	16.58	16.26	16.24	16.77	17.58	19.02	20.22	18.53	17.76	17.07	16.84	16.99
Y 46.0	15.83	15.48	15.39	15.73	16.30	17.29	18.02	17.02	16.51	16.03	15.94	16.15
Y 48.0	15.19	14.82	14.68	14.86	15.35	15.97	16.44	15.83	15.44	15.14	15.15	15.45
Y 50.0	14.59	14.24	14.03	14.12	14.56	14.94	15.27	14.86	14.56	14.38	14.47	14.83
Y 52.0	14.07	13.71	13.47	13.47	13.79	14.13	14.35	14.09	13.82	13.73	13.87	14.20
Y 54.0	13.55	13.24	12.96	12.92	13.18	13.49	13.59	13.43	13.20	13.14	13.31	13.66
Y 56.0	13.09	12.82	12.52	12.45	12.69	12.89	12.99	12.88	12.67	12.59	12.82	13.17
Y 58.0	12.66	12.42	12.11	11.99	12.24	12.40	12.48	12.40	12.19	12.13	12.36	12.71
Y 60.0	12.23	12.03	11.73	11.63	11.80	11.94	12.01	11.95	11.77	11.73	11.92	12.27
Y 62.0	11.84	11.68	11.37	11.31	11.43	11.54	11.62	11.59	11.39	11.33	11.53	11.82
Y 64.0	11.50	11.33	11.06	10.98	11.14	11.24	11.30	11.32	11.04	10.97	11.16	11.44
Y 66.0	11.13	10.98	10.77	10.69	10.84	11.01	11.10	11.11	10.75	10.65	10.82	11.08
Y 68.0	10.77	10.65	10.45	10.43	10.63	10.88	10.96	10.94	10.49	10.37	10.50	10.74
Y 70.0	10.41	10.34	10.22	10.19	10.45	10.73	10.69	10.75	10.28	10.09	10.19	10.38
Y 72.0	10.08	10.07	9.95	9.95	10.27	10.35	10.33	10.42	10.04	9.85	9.92	10.06
Y 74.0	9.72	9.78	9.68	9.69	9.94	9.98	10.06	10.05	9.77	9.61	9.65	9.77
Y 76.0	9.37	9.47	9.31	9.34	9.63	9.78	9.91	9.81	9.51	9.31	9.40	9.49
Y 78.0	9.02	9.12	8.73	8.84	9.40	9.68	9.85	9.66	9.24	8.84	9.02	9.18
Y 80.0	8.66	8.64	8.15	8.28	9.16	9.65	9.83	9.56	8.89	8.19	8.39	8.85
Y 82.0	8.28	8.11	7.65	7.79	8.90	9.75	9.90	9.51	8.44	7.58	7.81	8.52
Y 84.0	7.98	7.71	7.22	7.44	8.68	10.04	10.23	9.55	8.03	7.17	7.29	8.19
Y 86.0	7.72	7.44	6.90	7.16	8.59	10.40	10.89	9.74	7.78	6.86	6.94	7.93
Y 88.0	7.49	7.25	6.67	6.86	8.65	11.05	12.07	10.16	7.64	6.65	6.70	7.72
Y 90.0	7.37	7.11	6.55	6.63	8.66	12.16	13.53	10.83	7.47	6.54	6.56	7.55
Y 92.0	7.31	7.02	6.50	6.50	8.55	13.31	15.08	11.54	7.34	6.50	6.52	7.43
Y 94.0	7.27	7.00	6.50	6.49	8.68	14.38	16.49	12.16	7.39	6.48	6.50	7.40
Y 96.0	7.26	7.01	6.50	6.50	8.76	15.13	17.35	12.68	7.44	6.49	6.49	7.36

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	7.25	7.03	6.49	6.49	8.76	15.28	17.38	12.91	7.50	6.49	6.48	7.34
Y 100.0	7.21	7.05	6.49	6.49	8.66	14.91	16.64	12.77	7.54	6.49	6.48	7.33
Y 102.0	7.22	7.06	6.50	6.50	8.57	14.14	15.41	12.13	7.48	6.49	6.47	7.31
Y 104.0	7.07	7.09	6.53	6.49	8.36	13.11	13.77	10.87	7.15	6.51	6.48	7.30
Y 106.0	6.54	7.13	6.58	6.49	7.56	11.32	11.40	8.82	6.72	6.51	6.49	7.27
Y 108.0	6.49	7.14	6.58	6.49	6.58	7.87	8.07	7.06	6.52	6.49	6.49	7.16
Y 110.0	6.48	7.09	6.58	6.50	6.52	6.66	6.69	6.51	6.50	6.49	6.50	7.03
Y 112.0	6.50	7.02	6.53	6.52	6.50	6.53	6.52	6.50	6.50	6.49	6.49	6.93
Y 114.0	6.50	6.88	6.50	6.52	6.51	6.53	6.53	6.50	6.51	6.50	6.49	6.86
Y 116.0	6.51	6.69	6.50	6.51	6.53	6.54	6.53	6.52	6.52	6.51	6.50	6.75
Y 118.0	6.52	6.57	6.50	6.52	6.54	6.55	6.55	6.53	6.52	6.51	6.52	6.66
Y 120.0	6.53	6.53	6.52	6.54	6.55	6.56	6.58	6.55	6.54	6.52	6.54	6.57
Y 122.0	6.53	6.53	6.53	6.57	6.56	6.59	6.58	6.57	6.55	6.55	6.52	6.52
Y 124.0	6.54	6.53	6.55	6.57	6.58	6.62	6.59	6.60	6.57	6.55	6.55	6.54
Y 126.0	6.54	6.55	6.58	6.59	6.63	6.63	6.64	6.63	6.59	6.57	6.54	6.54
Y 128.0	6.55	6.57	6.58	6.64	6.66	6.68	6.68	6.66	6.62	6.60	6.56	6.55
Y 130.0	6.57	6.60	6.61	6.65	6.71	6.73	6.73	6.69	6.67	6.64	6.59	6.56
Y 132.0	6.59	6.62	6.63	6.68	6.73	6.77	6.78	6.73	6.70	6.66	6.61	6.58
Y 134.0	6.60	6.64	6.68	6.72	6.78	6.83	6.82	6.79	6.75	6.72	6.63	6.60
Y 136.0	6.62	6.68	6.73	6.78	6.82	6.87	6.87	6.86	6.81	6.77	6.67	6.64
Y 138.0	6.66	6.74	6.79	6.85	6.89	6.92	6.93	6.90	6.86	6.81	6.73	6.66
Y 140.0	6.72	6.79	6.84	6.92	6.95	7.00	6.99	6.96	6.93	6.86	6.80	6.72
Y 142.0	6.78	6.86	6.93	7.00	7.04	7.05	7.06	7.03	7.01	6.94	6.86	6.80
Y 144.0	6.89	6.95	7.01	7.07	7.10	7.11	7.12	7.09	7.08	7.03	6.97	6.88
Y 146.0	7.00	7.05	7.08	7.14	7.16	7.18	7.18	7.14	7.14	7.11	7.05	6.99
Y 148.0	7.10	7.16	7.18	7.21	7.22	7.23	7.21	7.21	7.21	7.19	7.13	7.09
Y 150.0	7.23	7.26	7.28	7.29	7.30	7.29	7.26	7.26	7.27	7.26	7.23	7.23
Y 152.0	7.34	7.35	7.35	7.35	7.33	7.33	7.31	7.32	7.33	7.34	7.30	7.32
Y 154.0	7.42	7.42	7.41	7.42	7.39	7.36	7.35	7.38	7.37	7.41	7.38	7.38
Y 156.0	7.47	7.48	7.47	7.46	7.44	7.43	7.40	7.41	7.41	7.44	7.44	7.46
Y 158.0	7.54	7.52	7.51	7.51	7.46	7.44	7.42	7.42	7.44	7.47	7.49	7.51
Y 160.0	7.57	7.57	7.54	7.54	7.51	7.45	7.43	7.45	7.46	7.49	7.52	7.53
Y 162.0	7.59	7.59	7.57	7.55	7.50	7.49	7.44	7.46	7.47	7.51	7.54	7.57
Y 164.0	7.61	7.61	7.58	7.54	7.51	7.48	7.45	7.45	7.46	7.51	7.55	7.56
Y 166.0	7.60	7.61	7.59	7.56	7.52	7.48	7.44	7.44	7.43	7.48	7.51	7.55
Y 168.0	7.59	7.58	7.57	7.54	7.50	7.49	7.44	7.43	7.41	7.45	7.45	7.53
Y 170.0	7.58	7.56	7.54	7.51	7.49	7.46	7.45	7.43	7.39	7.41	7.41	7.49
Y 172.0	7.51	7.52	7.51	7.49	7.45	7.45	7.44	7.42	7.38	7.39	7.36	7.41
Y 174.0	7.46	7.48	7.47	7.46	7.44	7.44	7.42	7.42	7.37	7.35	7.31	7.34
Y 176.0	7.39	7.42	7.44	7.43	7.45	7.43	7.42	7.43	7.38	7.34	7.29	7.27
Y 178.0	7.34	7.37	7.39	7.41	7.44	7.43	7.43	7.45	7.39	7.35	7.29	7.24
Y 180.0	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38	7.38