

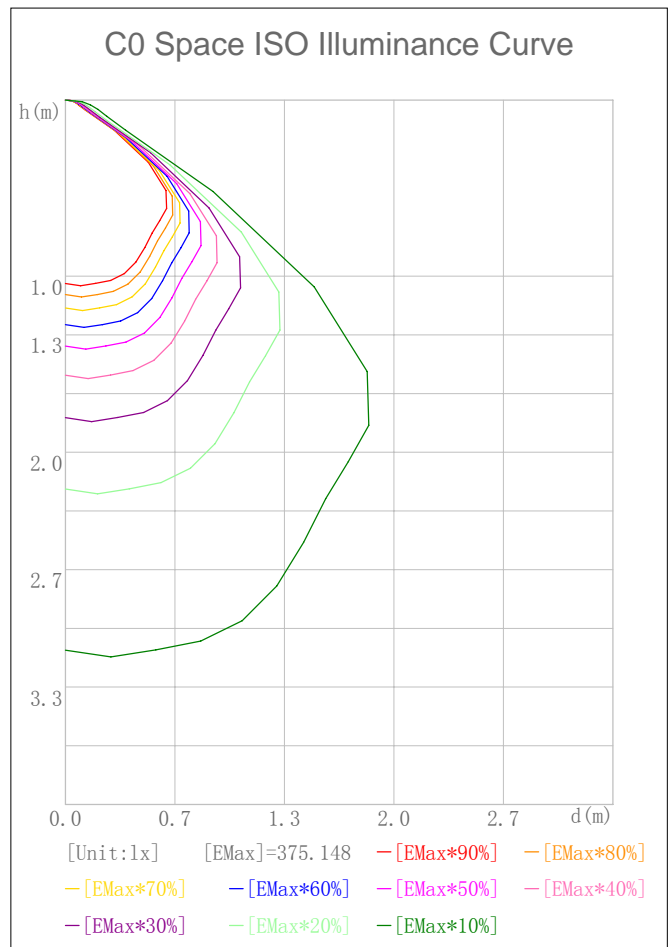
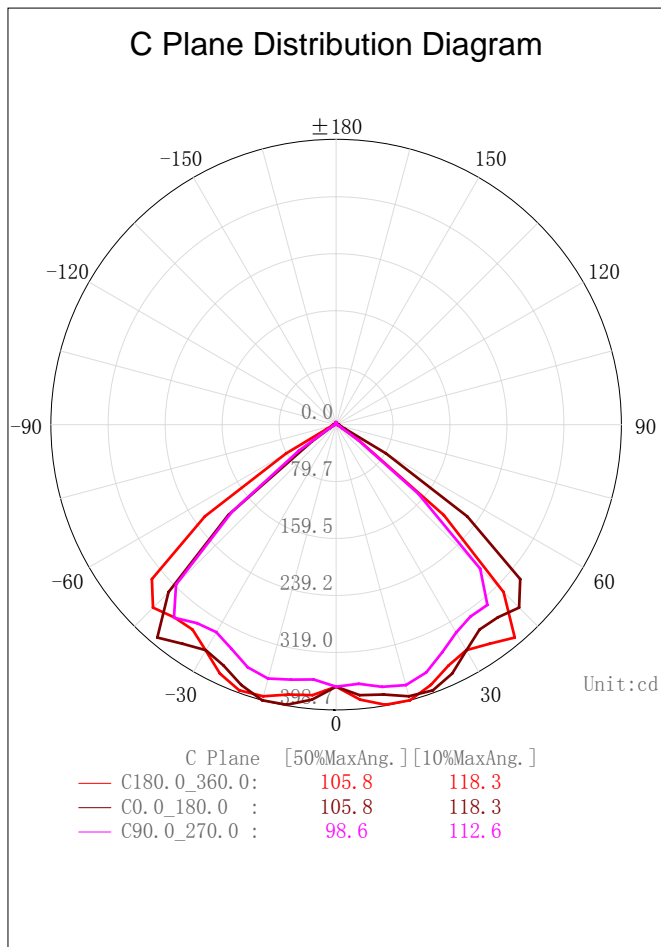
**Indoor Luminaire Photometric Data**

**Description Information**

Luminaire Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2020/08/28
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.080m*0.080m*0.000m	Lum. Area (m2):0.006	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=22.5 γ=5.0	Temp. (°C): 25
		Humidity(%):

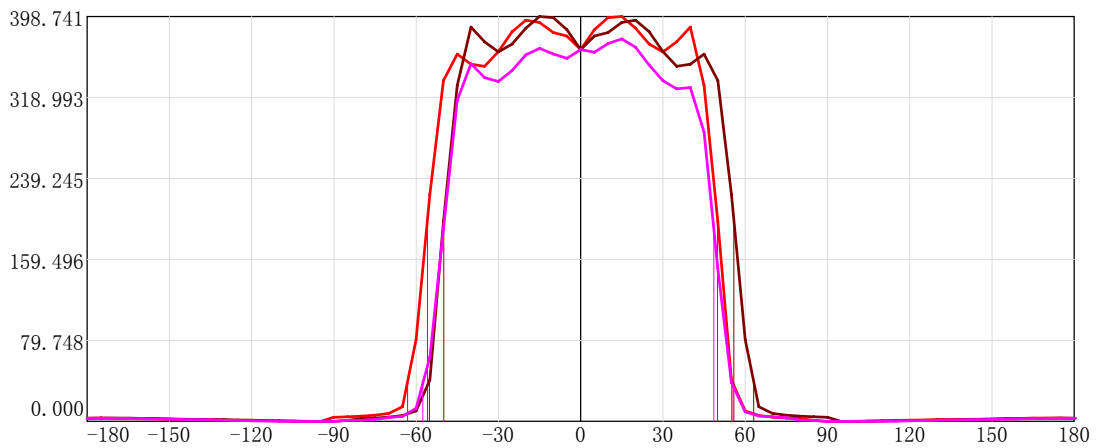
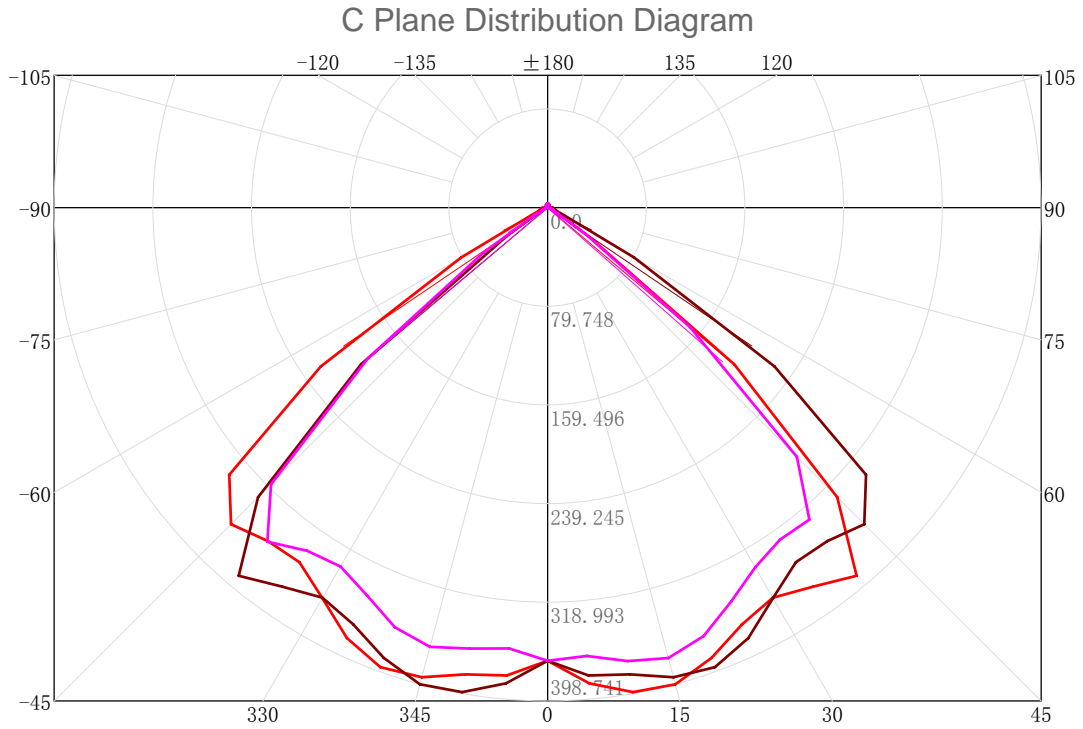
**Character Parameter**

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1000.000	Luminaire Flux(lm): 813.417	Field Angle(10%Imax): 118.3(°)	
Rated Power(W):	Luminaire Efficiency: 81.34%	Down Lumens&Percent: 806.889lm 99.20%	
Rated Voltage(V):	Luminaire EER(lm/W): 83.547	Up Lumens&Percent: 6.527lm 0.80%	
Tested Power(W): 9.736	Max. Candela(cd): 398.741	S/MH: C0_a180=1.535 C90_270=1.404	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=15.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):220.0, 0.047	Beam Angle(50%Imax): 105.8(°)	ErP φ use(120°): 783.123lm	
Lamp Size (W*L*H):0.080m*0.080m*0.000m	Left=-55.9°, Right=49.9°	IRF(%): 110.947	



### 2D Plane Light Intensity Distribution Curve

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28



C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
— C180.0_360.0 :	105.8	118.3	
— C0.0_180.0 :	105.8	118.3	
— C90.0_270.0 :	98.6	112.6	

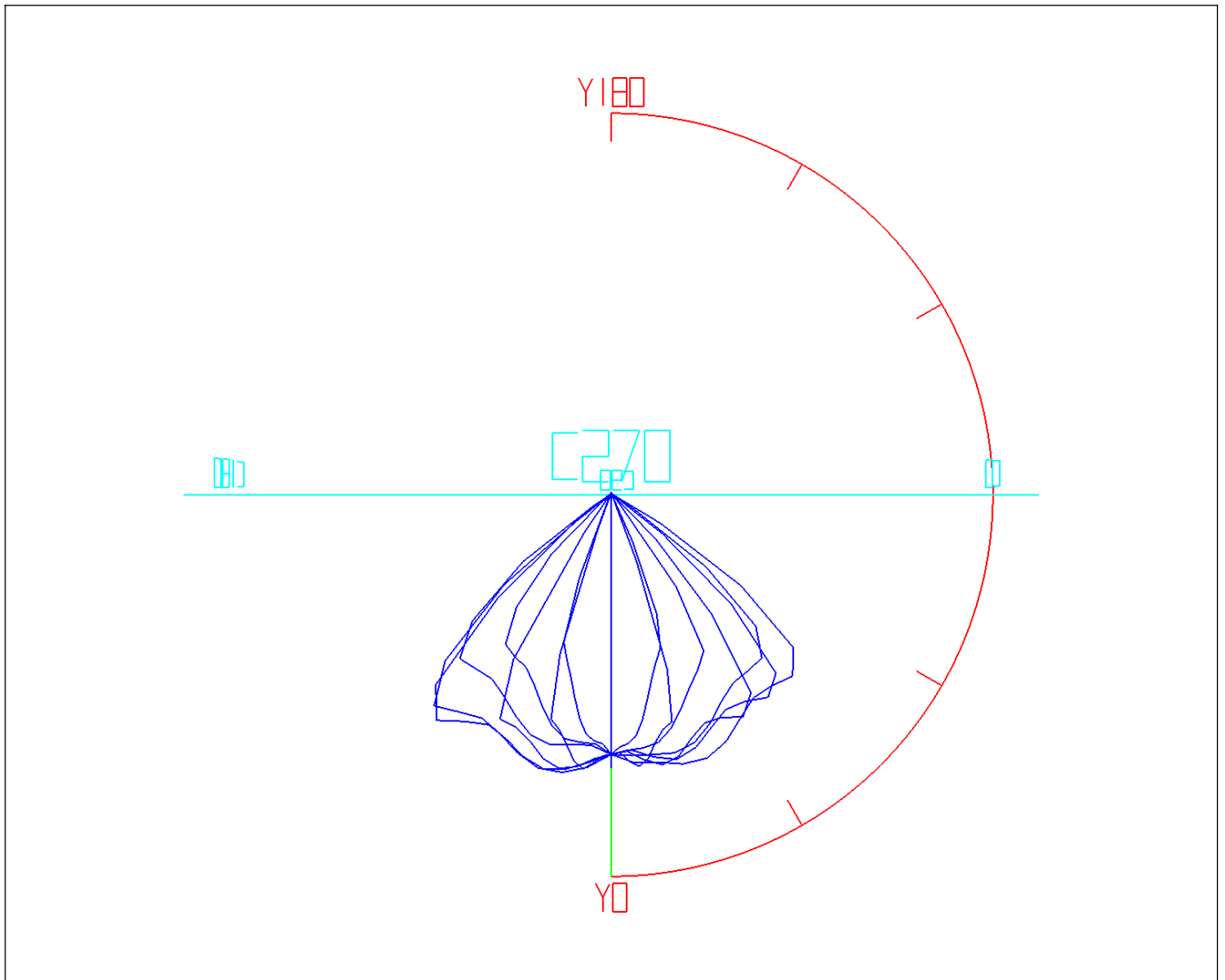
# IES Indoor Report

Photometric Filename:透明-cw.IES

## 3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28

## 3D Light Intensity Distribution Modal



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

# IES Indoor Report

Photometric Filename:透明-cw.IES

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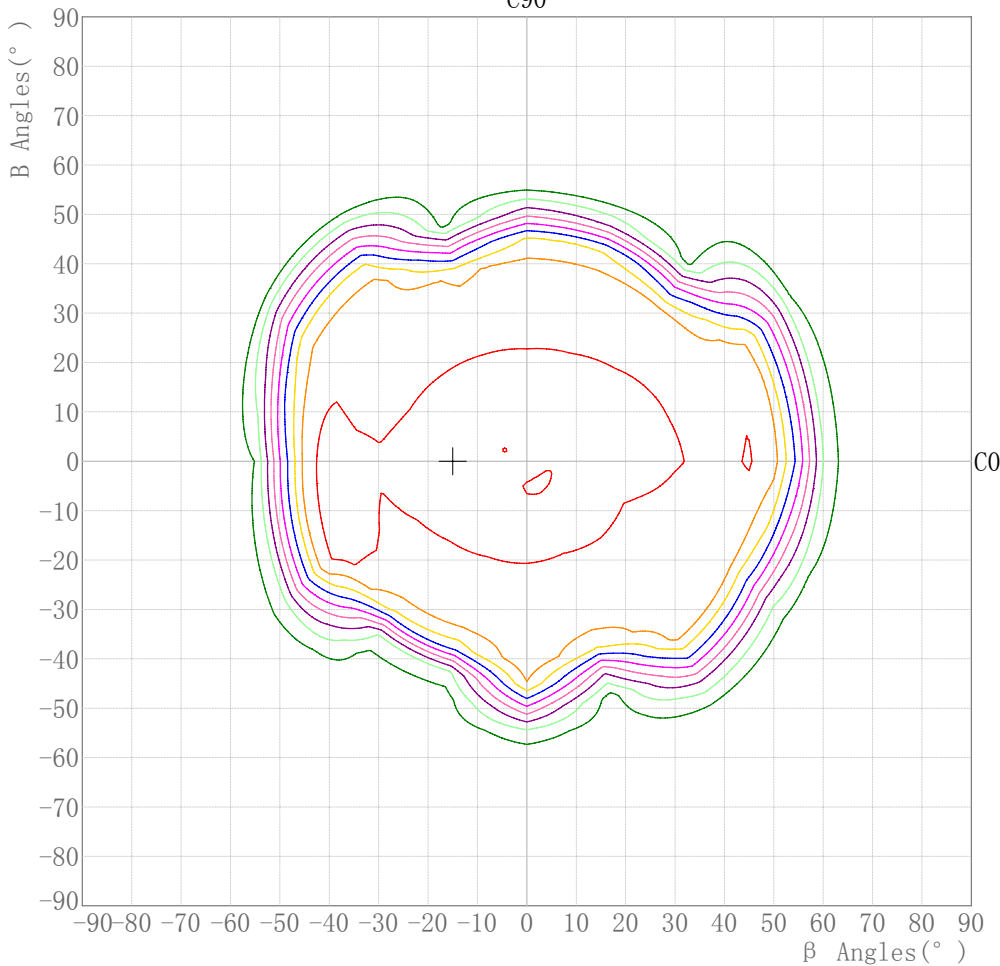
## Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	8.74	8.74	0.87	0.87
5.0-10.0	26.41	35.16	2.64	3.52
10.0-15.0	44.60	79.76	4.46	7.98
15.0-20.0	61.91	141.67	6.19	14.17
20.0-25.0	76.41	218.08	7.64	21.81
25.0-30.0	88.47	306.55	8.85	30.66
30.0-35.0	100.47	407.02	10.05	40.70
35.0-40.0	111.93	518.95	11.19	51.90
40.0-45.0	110.85	629.81	11.09	62.98
45.0-50.0	87.61	717.42	8.76	71.74
50.0-55.0	52.76	770.18	5.28	77.02
55.0-60.0	21.91	792.08	2.19	79.21
60.0-65.0	6.08	798.16	0.61	79.82
65.0-70.0	2.93	801.09	0.29	80.11
70.0-75.0	2.23	803.32	0.22	80.33
75.0-80.0	1.64	804.96	0.16	80.50
80.0-85.0	1.23	806.19	0.12	80.62
85.0-90.0	0.70	806.89	0.07	80.69
90.0-95.0	0.14	807.03	0.01	80.70
95.0-100.0	0.02	807.05	0.00	80.70
100.0-105.0	0.05	807.10	0.01	80.71
105.0-110.0	0.13	807.23	0.01	80.72
110.0-115.0	0.23	807.46	0.02	80.75
115.0-120.0	0.33	807.79	0.03	80.78
120.0-125.0	0.43	808.22	0.04	80.82
125.0-130.0	0.52	808.74	0.05	80.87
130.0-135.0	0.58	809.32	0.06	80.93
135.0-140.0	0.61	809.94	0.06	80.99
140.0-145.0	0.62	810.56	0.06	81.06
145.0-150.0	0.61	811.17	0.06	81.12
150.0-155.0	0.59	811.76	0.06	81.18
155.0-160.0	0.54	812.30	0.05	81.23
160.0-165.0	0.46	812.76	0.05	81.28
165.0-170.0	0.36	813.12	0.04	81.31
170.0-175.0	0.22	813.34	0.02	81.33
175.0-180.0	0.08	813.42	0.01	81.34

**Rectangle ISO Lighting Intensity Diagram**

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28

ISO Lighting Intensity Curve  
 C90



- Curves:  
 [Unit: cd]  
 [IMax] =398.741
- [IMax\*90%]=358.867
  - [IMax\*80%]=318.993
  - [IMax\*70%]=279.119
  - [IMax\*60%]=239.245
  - [IMax\*50%]=199.370
  - [IMax\*40%]=159.496
  - [IMax\*30%]=119.622
  - [IMax\*20%]=79.748
  - [IMax\*10%]=39.874

Maximum Light Intensity(cd): 398.74  
 Maximum Cand.@Angle: H=-15.0°,V=0.0°

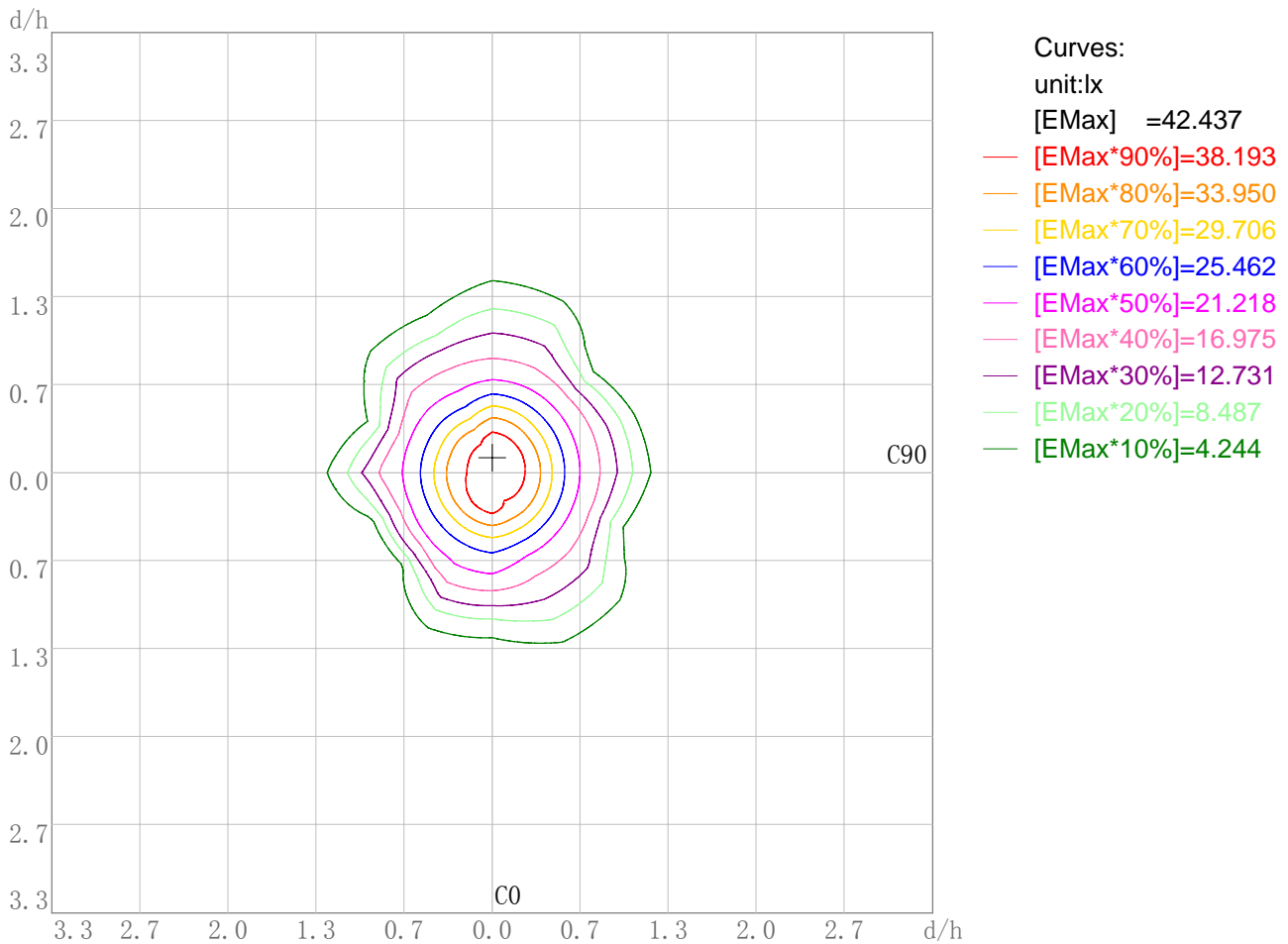
# IES Indoor Report

Photometric Filename:透明-cw.IES

## Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28

Plane ISO-Illuminance Curve

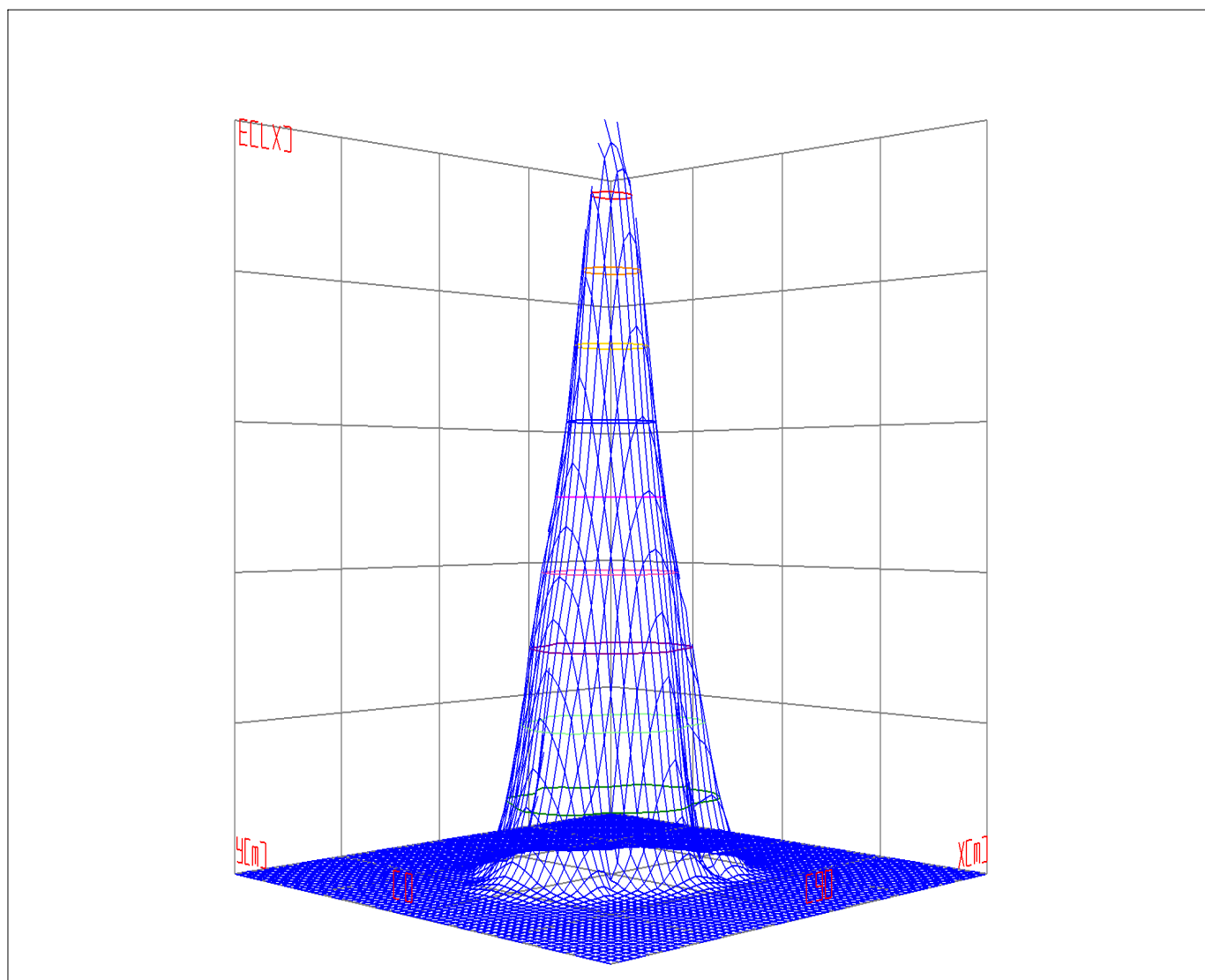


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 42.44  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.1

### 3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28

### 3D Plane Illuminance Modal

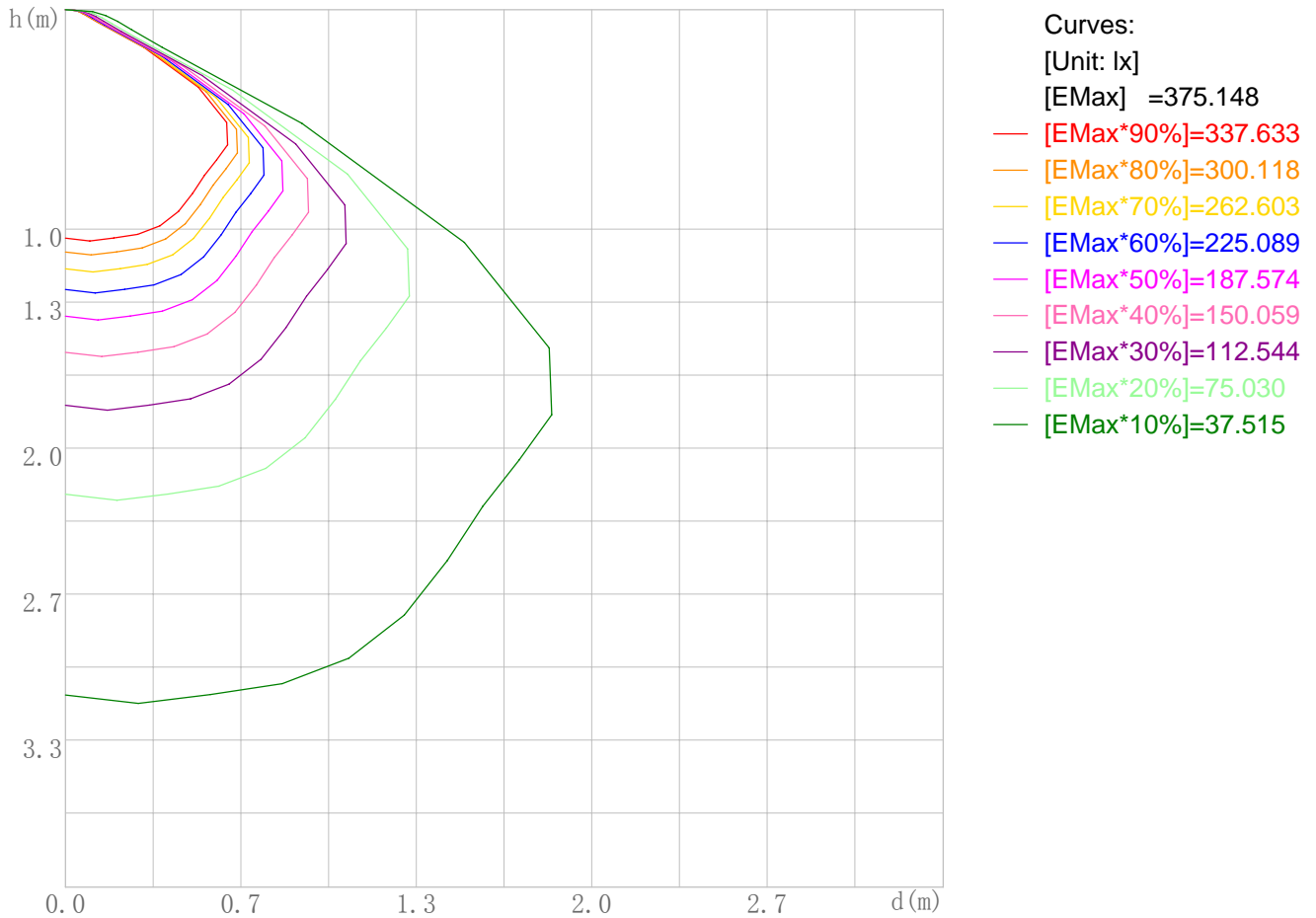


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0

**Space ISO Illuminance Diagram**

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28

Space ISO Illuminance Curve



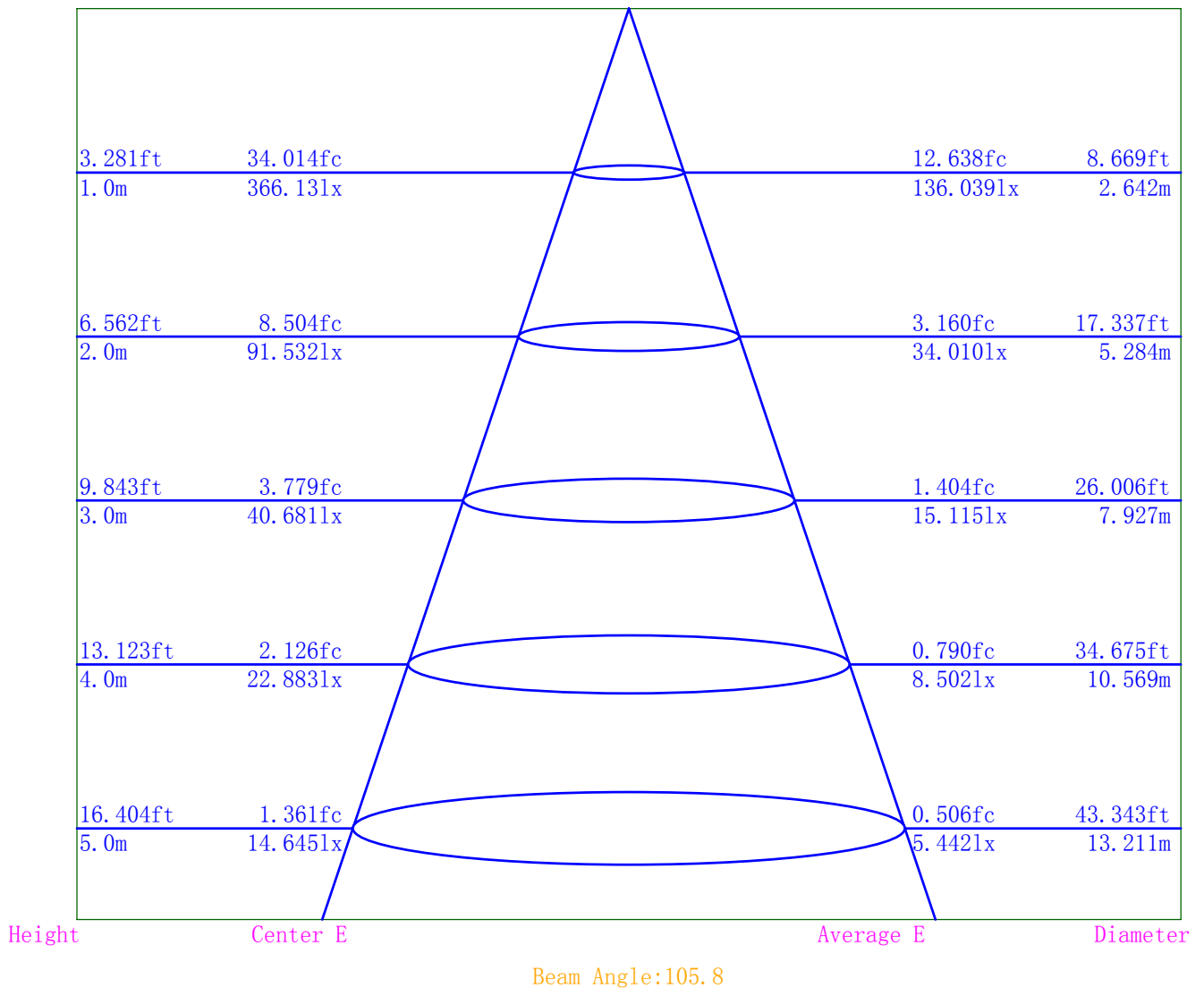
Space Plane Maximum Illuminance and @Angle:375.15lx,5.0deg  
 Plane Maximum Lighting Intensity and @Angle:395.194cd,0deg



### Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28

Illuminance-Distance Curve



### Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/08/28

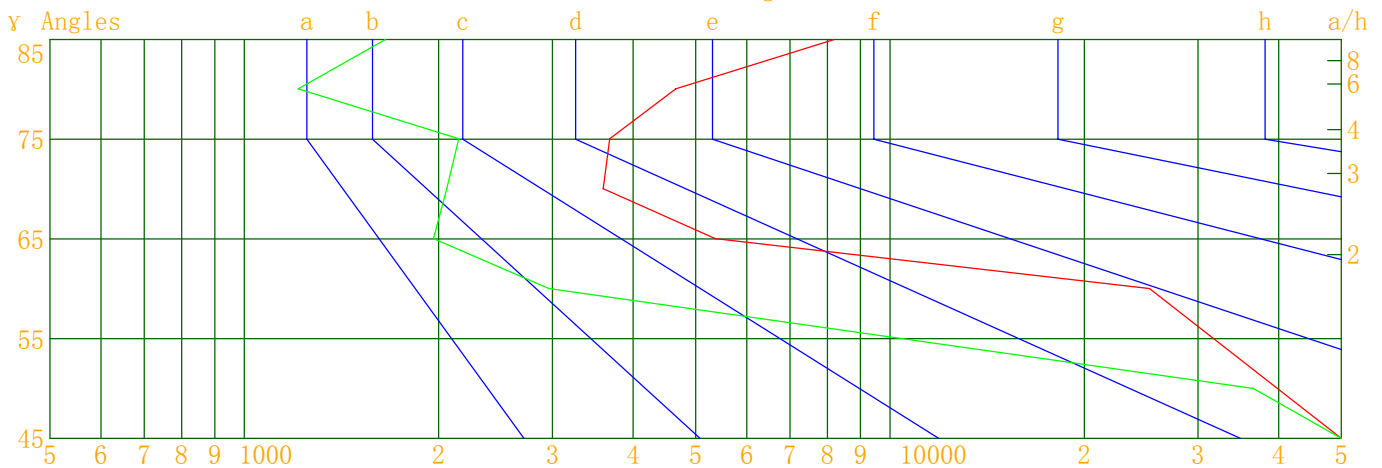
Glare Grade Table

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	79943	81616	60940	25231	5361	3596	3681	4660	8197
C90	62919	36536	10404	2963	1963	2058	2149	1212	1655

Luminance Limiting Curve



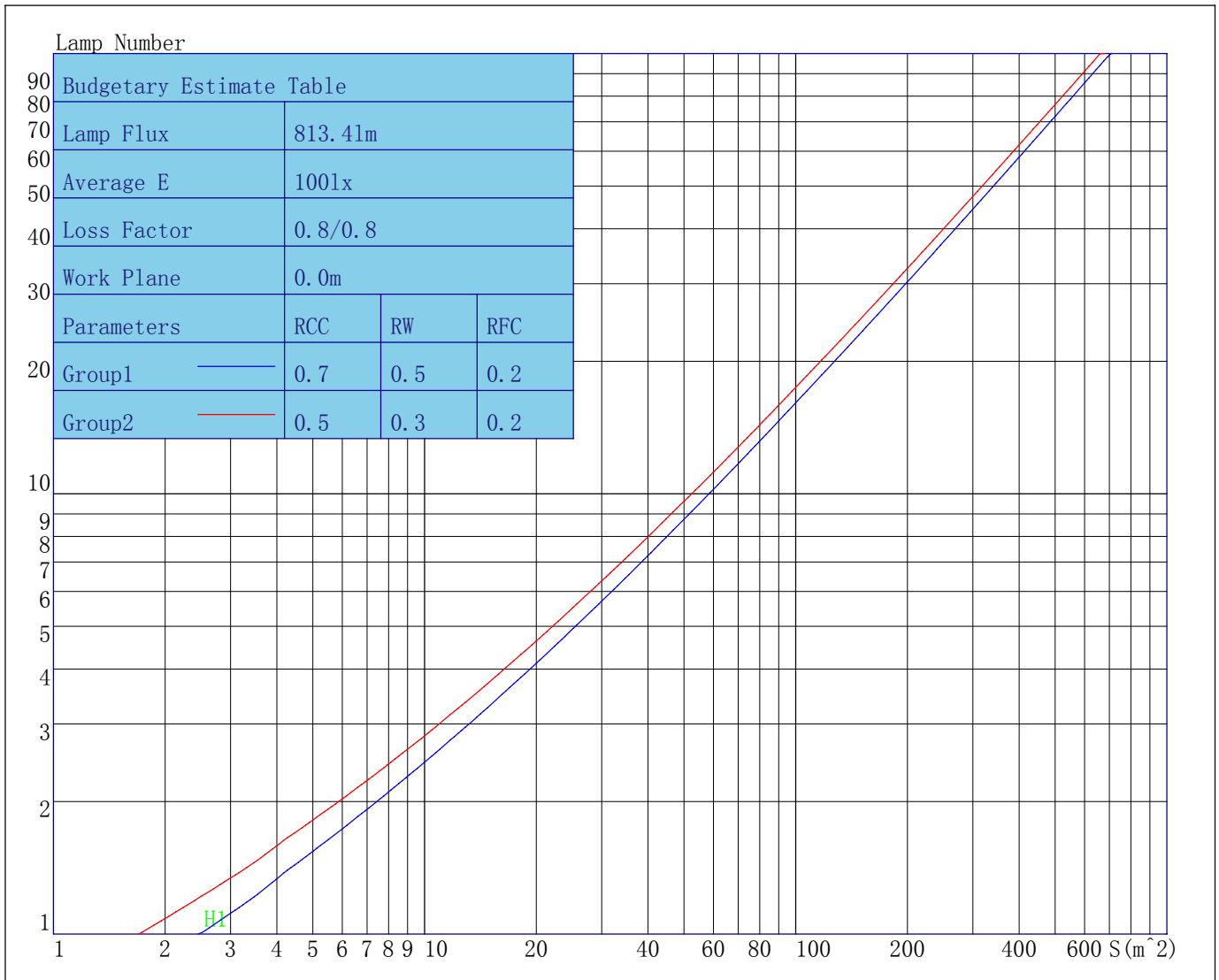
Luminous Size: Length(m)=0.080 Width(m)=0.080 Height(m)=0.000 Area(m<sup>2</sup>)=0.006400  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

# IES Indoor Report

Photometric Filename: 透明-cw.IES

## Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2020/08/28



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

# IES Indoor Report

Photometric Filename:透明-cw.IES

## Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28

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	97	97	97	97	94	94	94	94	90	90	90	86	86	86	82	82	82	81
1	91	88	85	83	89	86	84	82	83	81	79	79	78	77	77	75	74	73
2	85	80	75	72	83	78	74	71	75	72	69	73	70	68	70	68	66	65
3	79	72	67	63	77	71	66	62	68	64	61	66	63	60	64	61	59	57
4	73	65	59	55	71	64	59	55	62	57	54	60	56	53	59	55	52	51
5	68	59	53	49	66	58	53	48	57	52	48	55	51	47	54	50	47	45
6	63	54	48	43	62	53	47	43	52	47	43	50	46	42	49	45	42	40
7	59	49	43	39	58	49	43	39	47	42	38	46	42	38	45	41	38	36
8	55	45	39	35	54	45	39	35	44	38	35	43	38	34	42	37	34	33
9	51	42	36	32	50	41	35	31	40	35	31	39	35	31	39	34	31	30
10	48	38	33	29	47	38	32	29	37	32	29	36	32	28	36	31	28	27

# IES Indoor Report

Photometric Filename:透明-cw.IES

## Unified Glare Rating Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/28

### 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	Viewed crosswise					Viewed endwise				
X=2H Y=2H	27.2	28.2	27.6	28.5	28.9	23.8	24.9	24.2	25.2	25.5
Y=3H	27.1	27.9	27.5	28.3	28.7	23.8	24.6	24.2	24.9	25.3
Y=4H	27.1	27.8	27.5	28.2	28.6	23.7	24.4	24.1	24.8	25.2
Y=6H	27.0	27.6	27.4	28.0	28.4	23.7	24.3	24.1	24.7	25.1
Y=8H	27.0	27.5	27.4	28.0	28.4	23.6	24.2	24.1	24.6	25.0
Y=12H	27.0	27.5	27.4	27.9	28.3	23.6	24.1	24.0	24.5	24.9
X=4H Y=2H	27.0	27.8	27.5	28.1	28.6	23.9	24.7	24.4	25.0	25.5
Y=3H	27.0	27.5	27.4	27.9	28.3	23.9	24.4	24.3	24.8	25.2
Y=4H	26.9	27.3	27.4	27.7	28.2	23.8	24.2	24.3	24.6	25.1
Y=6H	26.9	27.1	27.4	27.6	28.1	23.8	24.0	24.3	24.5	25.0
Y=8H	26.9	27.0	27.4	27.5	28.0	23.7	23.9	24.2	24.4	24.9
Y=12H	26.9	26.9	27.4	27.5	28.0	23.7	23.8	24.2	24.3	24.8
X=8H Y=4H	26.8	27.0	27.3	27.5	28.0	23.7	23.9	24.2	24.4	24.9
Y=6H	26.8	26.8	27.3	27.4	27.8	23.7	23.7	24.2	24.2	24.7
Y=8H	26.8	26.8	27.4	27.3	27.8	23.6	23.6	24.2	24.2	24.7
Y=12H	26.8	26.7	27.4	27.2	27.9	23.6	23.5	24.2	24.1	24.7
X=12H Y=4H	26.8	26.9	27.3	27.4	27.9	23.7	23.8	24.2	24.3	24.8
Y=6H	26.7	26.7	27.3	27.2	27.8	23.6	23.6	24.2	24.1	24.7
Y=8H	26.8	26.7	27.3	27.2	27.8	23.6	23.5	24.2	24.1	24.7
Variations with the observer position at spacings										
S=1.0H	0.0/-0.0					0.8/-0.9				
S=1.5H	0.2/-0.2					1.0/-1.4				
S=2.0H	1.4/-0.3					0.8/-1.1				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	0.1					0.2				

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

# IES Indoor Report

Photometric Filename:透明-cw.IES

## Candela Tabulation

V/H	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5	C225.0	C247.5
Y 0.0	366.13	366.13	366.13	366.13	366.13	366.13	366.13	366.13	366.13	366.13	366.13	366.13
Y 5.0	379.46	373.03	368.68	366.02	363.65	361.40	359.48	357.89	385.88	374.47	366.35	360.83
Y 10.0	382.94	379.80	376.60	374.35	372.12	369.95	367.76	365.04	397.58	383.95	374.07	365.58
Y 15.0	392.91	388.87	383.14	379.18	376.73	376.69	376.75	375.71	398.74	387.31	376.60	370.57
Y 20.0	395.19	387.60	376.90	370.57	368.41	369.86	372.45	374.88	387.17	376.63	366.78	361.59
Y 25.0	383.80	374.39	361.14	353.89	351.04	352.80	356.54	361.32	371.56	361.12	349.67	345.08
Y 30.0	364.25	355.80	345.14	338.05	335.58	335.28	338.96	345.86	363.93	353.26	340.39	333.24
Y 35.0	349.65	344.77	335.66	329.67	327.51	324.98	329.75	336.70	373.85	364.16	341.72	329.78
Y 40.0	351.74	347.55	322.25	328.28	328.98	313.60	336.62	343.18	388.36	382.55	271.84	255.73
Y 45.0	361.78	351.27	198.38	273.20	284.74	182.73	340.36	352.91	330.86	348.34	75.31	71.21
Y 50.0	335.76	310.15	31.18	114.06	150.30	28.93	277.28	296.31	196.74	213.05	17.70	17.10
Y 55.0	223.70	184.54	16.28	19.13	38.19	15.28	154.40	171.75	40.90	68.11	9.37	9.93
Y 60.0	80.74	40.04	7.16	7.72	9.48	6.43	25.16	32.31	10.44	10.55	4.71	4.57
Y 65.0	14.50	10.57	5.44	4.99	5.31	4.76	9.02	9.90	5.81	5.37	3.74	3.66
Y 70.0	7.87	6.85	4.71	4.29	4.51	4.05	5.80	5.96	4.26	3.88	3.27	3.20
Y 75.0	6.10	5.55	4.30	3.63	3.56	3.64	4.54	4.48	3.24	2.97	1.97	1.49
Y 80.0	5.18	4.05	2.18	1.28	1.35	1.73	3.35	3.47	2.85	2.44	1.43	0.91
Y 85.0	4.57	3.44	1.64	0.78	0.92	1.22	2.70	2.91	1.06	2.06	1.76	1.15
Y 90.0	4.16	1.84	0.25	0.32	0.00	0.12	0.45	0.73	0.00	0.07	0.03	0.04
Y 95.0	0.00	0.10	0.00	0.06	0.00	0.01	0.04	0.06	0.04	0.00	0.00	0.00
Y 100.0	0.04	0.02	0.00	0.00	0.00	0.00	0.09	0.05	0.22	0.09	0.00	0.00
Y 105.0	0.21	0.16	0.00	0.00	0.00	0.05	0.20	0.18	0.44	0.28	0.14	0.07
Y 110.0	0.41	0.32	0.17	0.15	0.16	0.25	0.31	0.37	0.67	0.48	0.36	0.25
Y 115.0	0.61	0.51	0.40	0.38	0.35	0.46	0.48	0.56	0.92	0.72	0.58	0.47
Y 120.0	0.86	0.72	0.67	0.61	0.59	0.69	0.74	0.78	1.20	0.98	0.84	0.72
Y 125.0	1.12	0.99	0.94	0.87	0.82	0.95	1.00	1.05	1.46	1.25	1.12	0.99
Y 130.0	1.36	1.26	1.21	1.15	1.09	1.21	1.24	1.30	1.67	1.49	1.40	1.25
Y 135.0	1.59	1.49	1.49	1.41	1.36	1.46	1.46	1.50	1.83	1.69	1.64	1.51
Y 140.0	1.78	1.72	1.74	1.63	1.60	1.68	1.65	1.68	2.02	1.87	1.83	1.74
Y 145.0	1.95	1.96	1.99	1.85	1.80	1.86	1.81	1.84	2.24	2.08	2.01	1.93
Y 150.0	2.18	2.20	2.17	2.05	1.99	2.04	2.03	2.05	2.55	2.34	2.22	2.11
Y 155.0	2.45	2.45	2.39	2.31	2.23	2.28	2.29	2.33	2.83	2.61	2.48	2.38
Y 160.0	2.75	2.72	2.63	2.59	2.51	2.54	2.57	2.63	3.07	2.84	2.73	2.64
Y 165.0	3.01	2.99	2.84	2.83	2.80	2.79	2.79	2.84	3.23	3.03	2.96	2.87
Y 170.0	3.20	3.17	3.02	3.02	2.99	3.00	2.95	2.97	3.33	3.17	3.10	3.05
Y 175.0	3.31	3.28	3.15	3.15	3.12	3.14	3.04	3.06	3.38	3.25	3.19	3.14
Y 180.0	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22
V/H	C270.0	C292.5	C315.0	C337.5								
Y 0.0	366.13	366.13	366.13	366.13								
Y 5.0	357.53	356.27	356.50	357.89								
Y 10.0	361.82	362.80	365.08	367.83								
Y 15.0	367.42	367.43	371.51	374.31								
Y 20.0	360.89	359.00	363.78	363.73								
Y 25.0	345.64	342.27	346.16	345.04								
Y 30.0	334.77	332.97	335.09	331.22								
Y 35.0	338.59	333.08	339.17	333.99								
Y 40.0	352.28	277.61	354.06	346.27								

# IES Indoor Report

Photometric Filename: 透明-cw.IES

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## Candela Tabulation - (Cont.)

V/H	C270.0	C292.5	C315.0	C337.5
Y 45.0	316.08	123.55	338.53	329.11
Y 50.0	189.78	20.97	233.63	225.62
Y 55.0	63.33	12.90	103.52	92.63
Y 60.0	12.98	5.79	18.39	15.88
Y 65.0	5.07	4.47	7.36	7.65
Y 70.0	3.76	3.79	5.49	5.74
Y 75.0	2.09	2.76	3.99	4.57
Y 80.0	1.07	1.30	2.71	3.97
Y 85.0	1.16	1.24	2.57	3.91
Y 90.0	0.00	0.00	0.02	0.00
Y 95.0	0.00	0.00	0.00	0.00
Y 100.0	0.00	0.00	0.03	0.14
Y 105.0	0.07	0.13	0.25	0.33
Y 110.0	0.25	0.37	0.46	0.51
Y 115.0	0.45	0.59	0.66	0.75
Y 120.0	0.70	0.84	0.87	1.03
Y 125.0	0.98	1.11	1.14	1.27
Y 130.0	1.24	1.37	1.39	1.51
Y 135.0	1.50	1.60	1.64	1.71
Y 140.0	1.72	1.85	1.87	1.89
Y 145.0	1.93	2.04	2.08	2.08
Y 150.0	2.15	2.27	2.27	2.32
Y 155.0	2.42	2.51	2.54	2.60
Y 160.0	2.66	2.73	2.80	2.82
Y 165.0	2.91	2.95	2.98	2.99
Y 170.0	3.08	3.07	3.10	3.09
Y 175.0	3.16	3.13	3.15	3.13
Y 180.0	3.22	3.22	3.22	3.22