

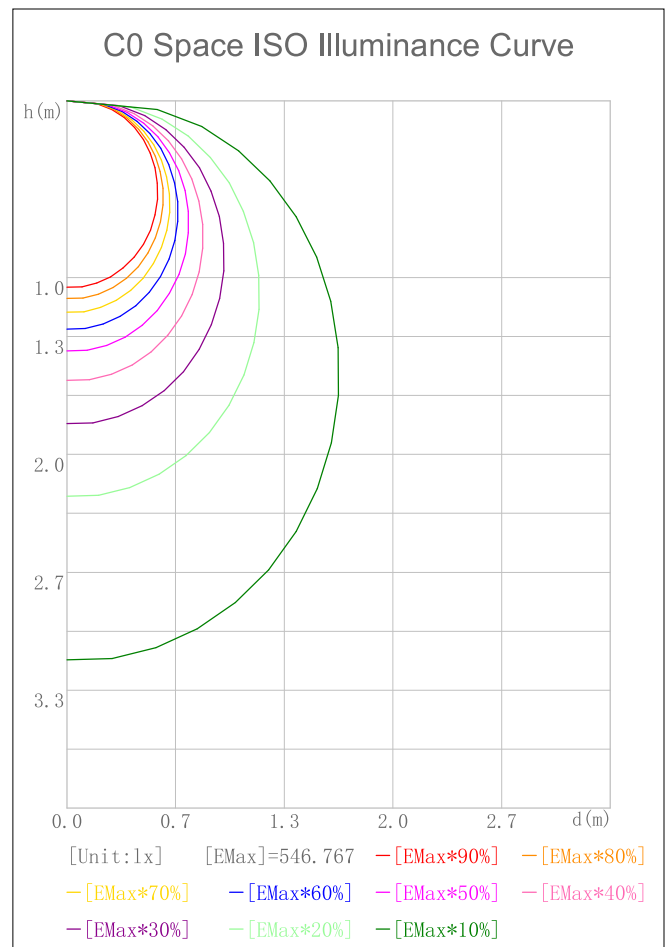
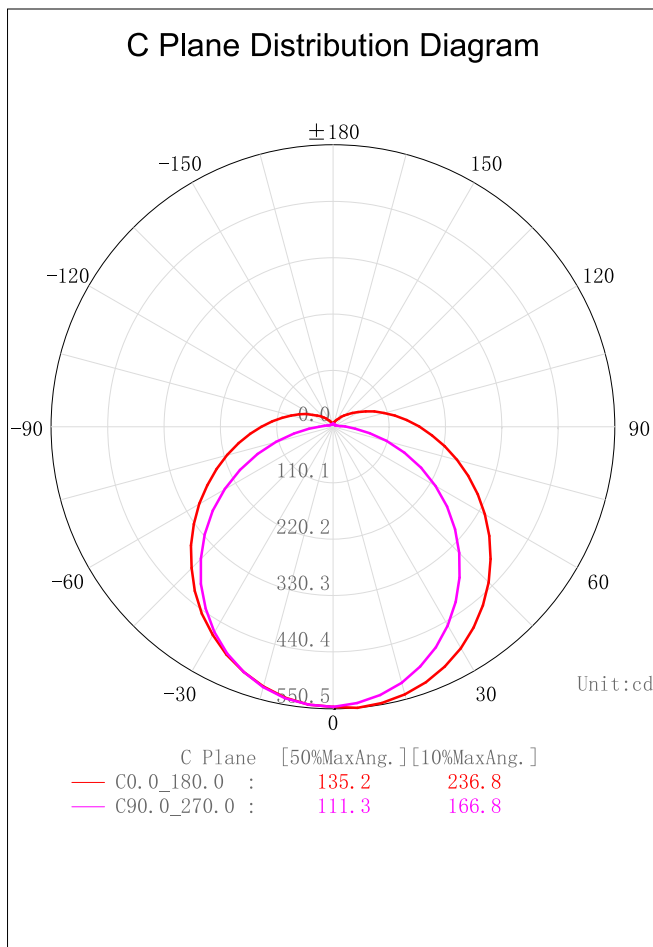
## Indoor Luminaire Photometric Data

### Description Information

Luminary Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2023/07/31
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.030m*1.200m*0.030m	Lum. Area (m2): 0.072	Lum. W (kg): 0.000
Test System: C, $\gamma$	Test Step: C=30.0 $\gamma$ =5.0	Temp. (°C): 25
		Humidity (%): 60.0

### Character Parameter

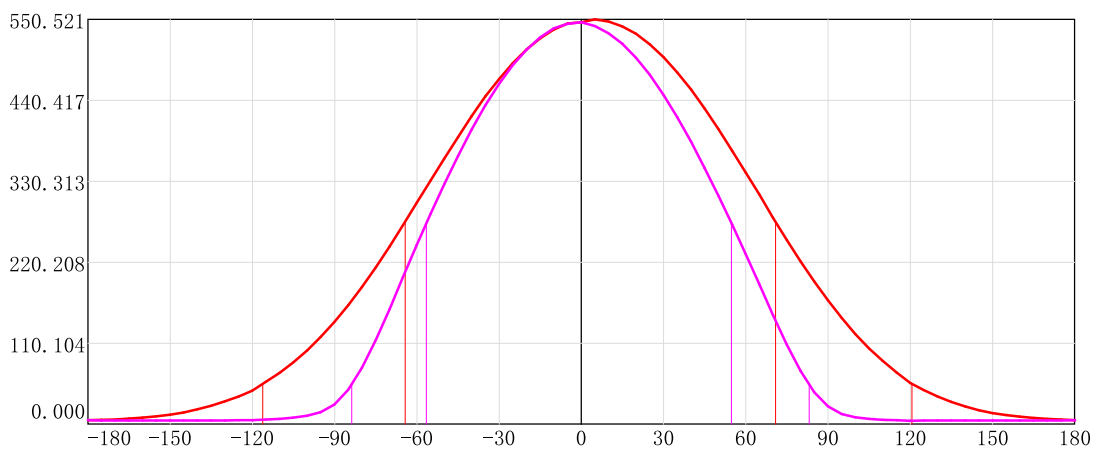
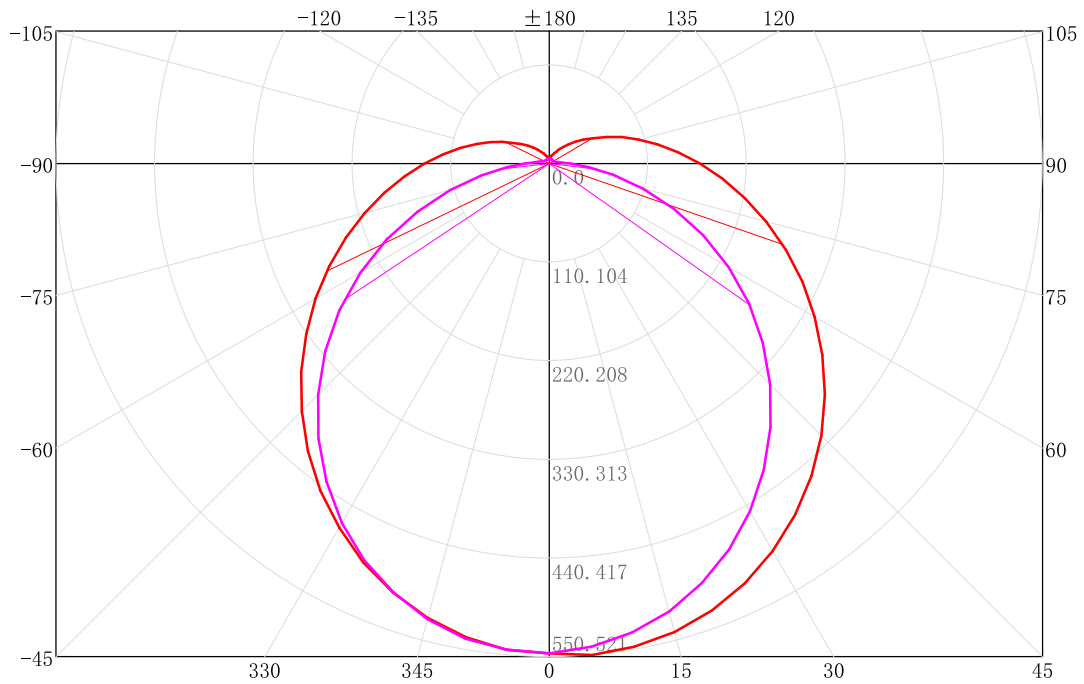
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux (lm): 1979.860	Luminary Flux (lm): 1979.862	Field Angle (10%Imax): 236.8(°)	
Rated Power (W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1790.657lm 90.44%	
Rated Voltage (V):	Luminary EER (lm/W): 145.578	Up Lumens&Percent: 189.204lm 9.56%	
Tested Power (W): 13.600	Max. Candela (cd): 550.521	S/MH: C0_a180=1.318 C90_270=1.240	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 $\gamma$ =5.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 120.3, 0.114, 0.990	Beam Angle (50%Imax): 135.2(°)	ErP $\phi$ use (120°): 1260.567lm	
Lamp Size (W*L*H): 0.030m*1.200m*0.030m	Left=-64.3°, Right=70.9°	IRF (%): 104.027	



## 2D Plane Light Intensity Distribution Curve

Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31

C Plane Distribution Diagram

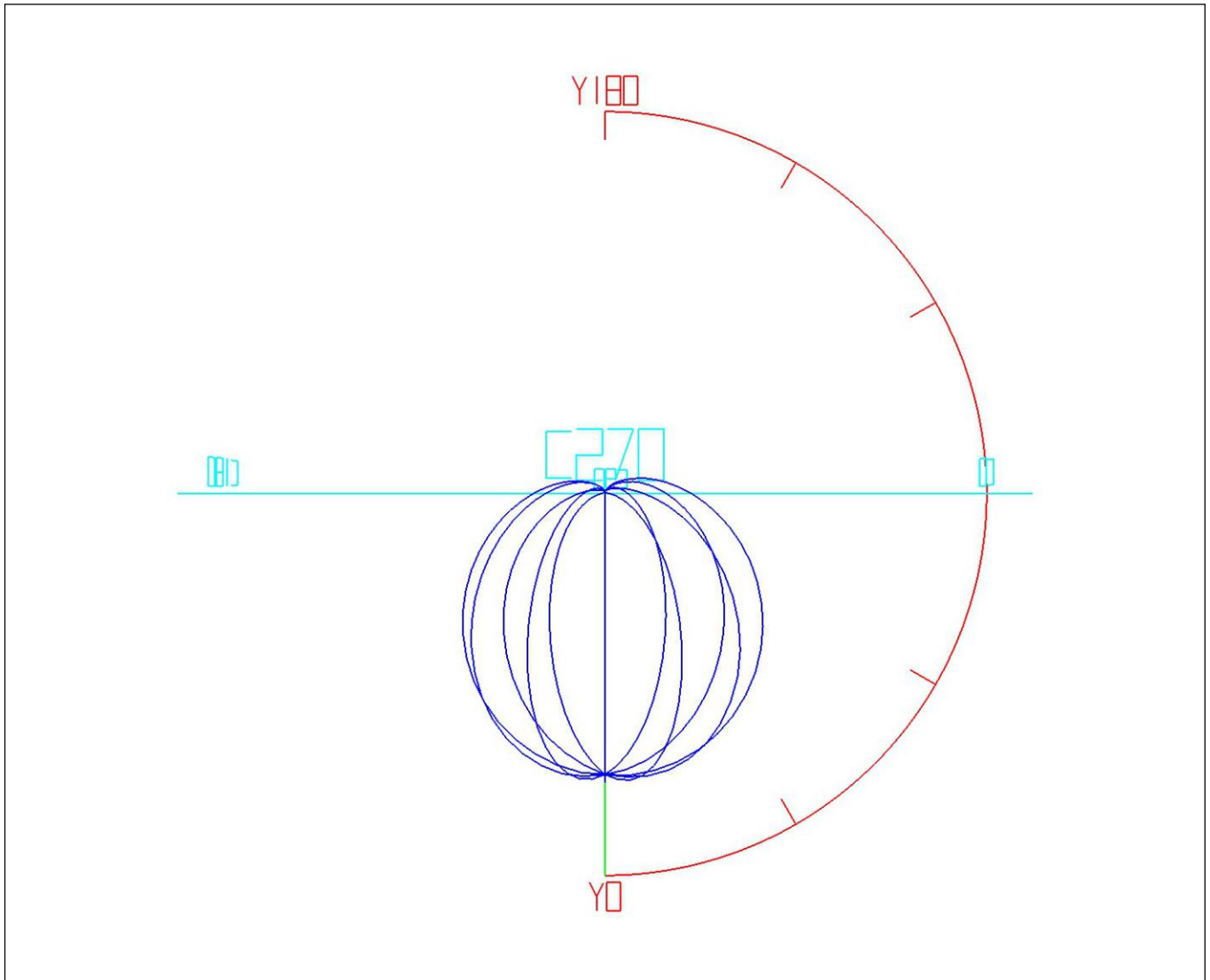


—	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C0. 0_180. 0 :	135. 2	236. 8	
—	C90. 0_270. 0 :	111. 3	166. 8	

### 3D Light Intensity Distribution Modal

Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31

### 3D Light Intensity Distribution Modal



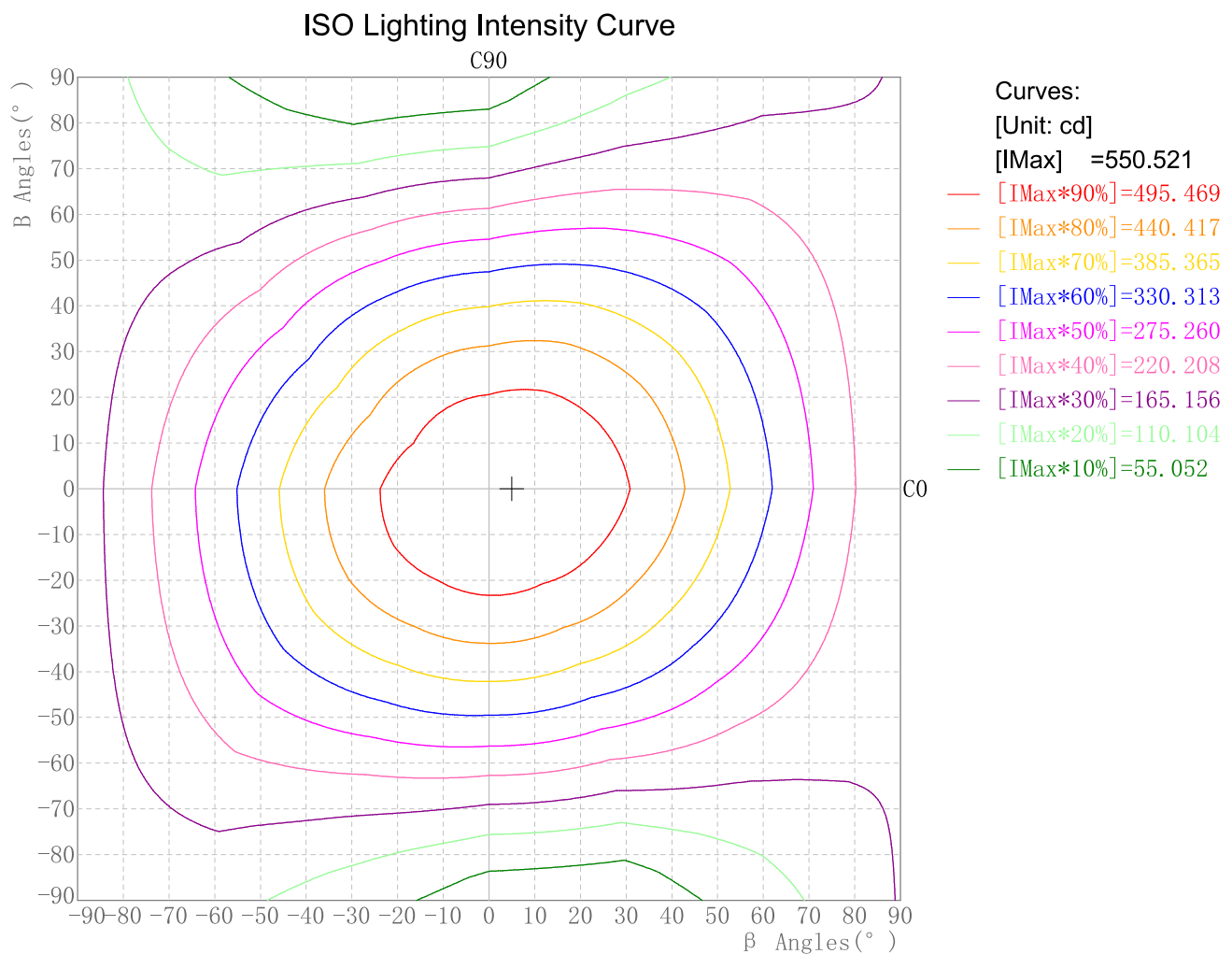
Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———  
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

### Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	13.04	13.04	0.66	0.66
5.0-10.0	38.68	51.72	1.95	2.61
10.0-15.0	63.04	114.76	3.18	5.80
15.0-20.0	85.34	200.10	4.31	10.11
20.0-25.0	104.87	304.96	5.30	15.40
25.0-30.0	121.04	426.01	6.11	21.52
30.0-35.0	133.42	559.43	6.74	28.26
35.0-40.0	141.74	701.17	7.16	35.41
40.0-45.0	145.87	847.03	7.37	42.78
45.0-50.0	145.85	992.88	7.37	50.15
50.0-55.0	141.84	1134.72	7.16	57.31
55.0-60.0	134.14	1268.86	6.78	64.09
60.0-65.0	123.28	1392.14	6.23	70.31
65.0-70.0	109.87	1502.01	5.55	75.86
70.0-75.0	94.74	1596.75	4.79	80.65
75.0-80.0	79.03	1675.78	3.99	84.64
80.0-85.0	63.99	1739.77	3.23	87.87
85.0-90.0	50.89	1790.66	2.57	90.44
90.0-95.0	40.47	1831.13	2.04	92.49
95.0-100.0	32.41	1863.54	1.64	94.13
100.0-105.0	25.99	1889.54	1.31	95.44
105.0-110.0	20.77	1910.31	1.05	96.49
110.0-115.0	16.31	1926.62	0.82	97.31
115.0-120.0	12.63	1939.25	0.64	97.95
120.0-125.0	9.92	1949.17	0.50	98.45
125.0-130.0	7.84	1957.00	0.40	98.85
130.0-135.0	6.08	1963.08	0.31	99.15
135.0-140.0	4.64	1967.73	0.23	99.39
140.0-145.0	3.54	1971.26	0.18	99.57
145.0-150.0	2.70	1973.96	0.14	99.70
150.0-155.0	2.03	1975.99	0.10	99.80
155.0-160.0	1.51	1977.50	0.08	99.88
160.0-165.0	1.09	1978.59	0.05	99.94
165.0-170.0	0.73	1979.32	0.04	99.97
170.0-175.0	0.41	1979.73	0.02	99.99
175.0-180.0	0.13	1979.86	0.01	100.00

### Rectangle ISO Lighting Intensity Diagram

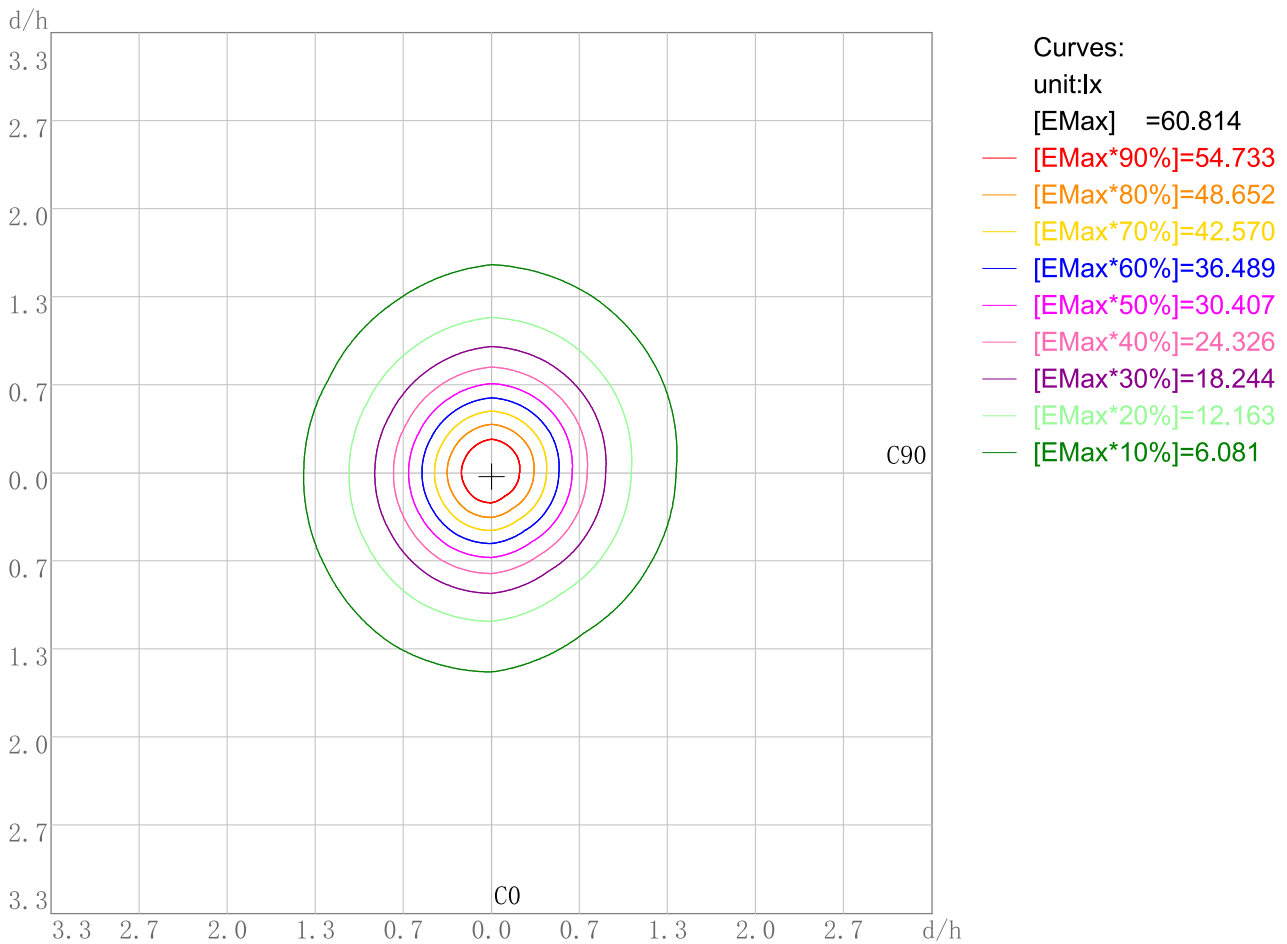
Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31



### Plane ISO-Illuminance Diagram

Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31

Plane ISO-Illuminance Curve

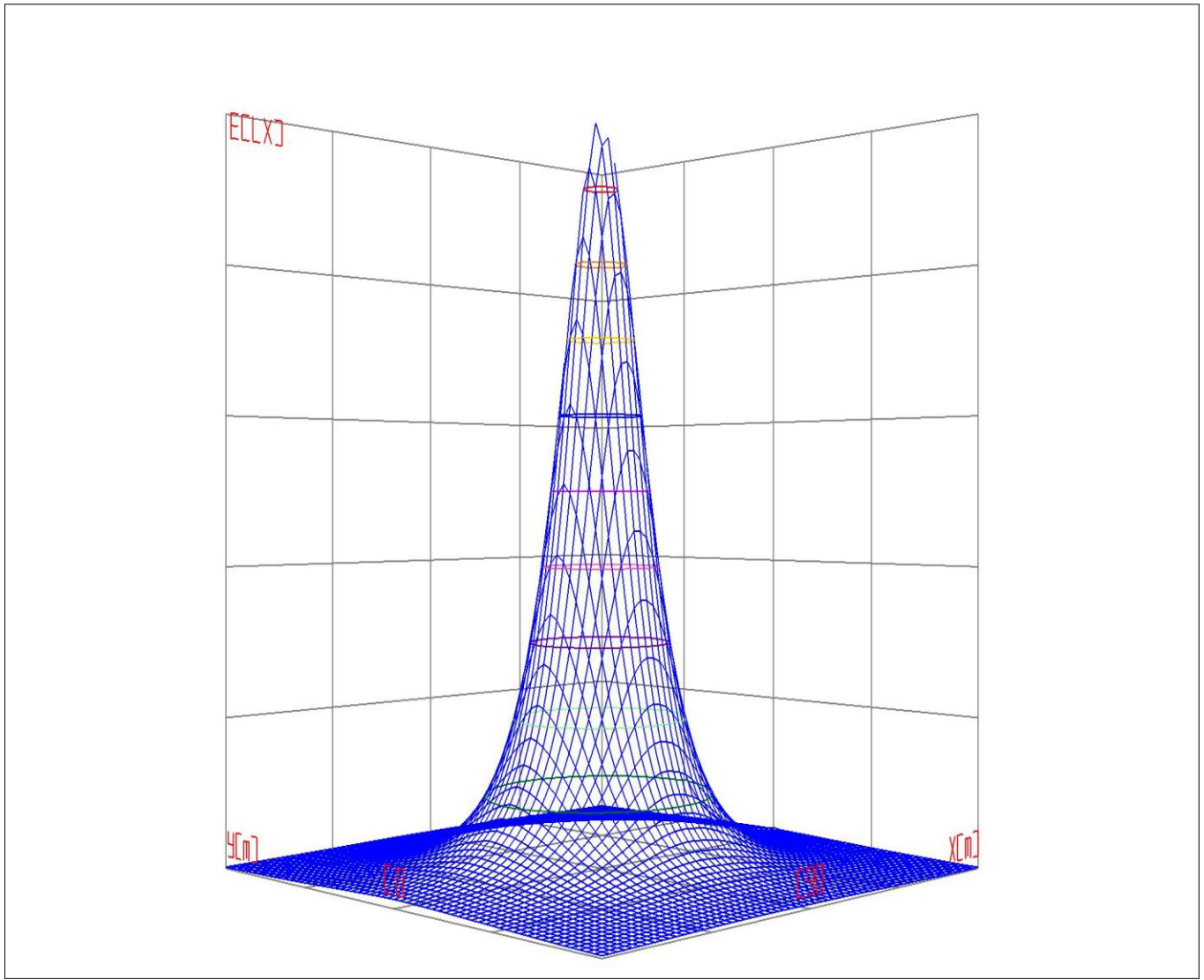


Working Plane Luminaire Mounting Height(m): 3.00  
 Working Plane Maximum Illuminance(lx): 60.81  
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

### 3D Plane ISO Illuminance Diagram

Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31

### 3D Plane Illuminance Modal

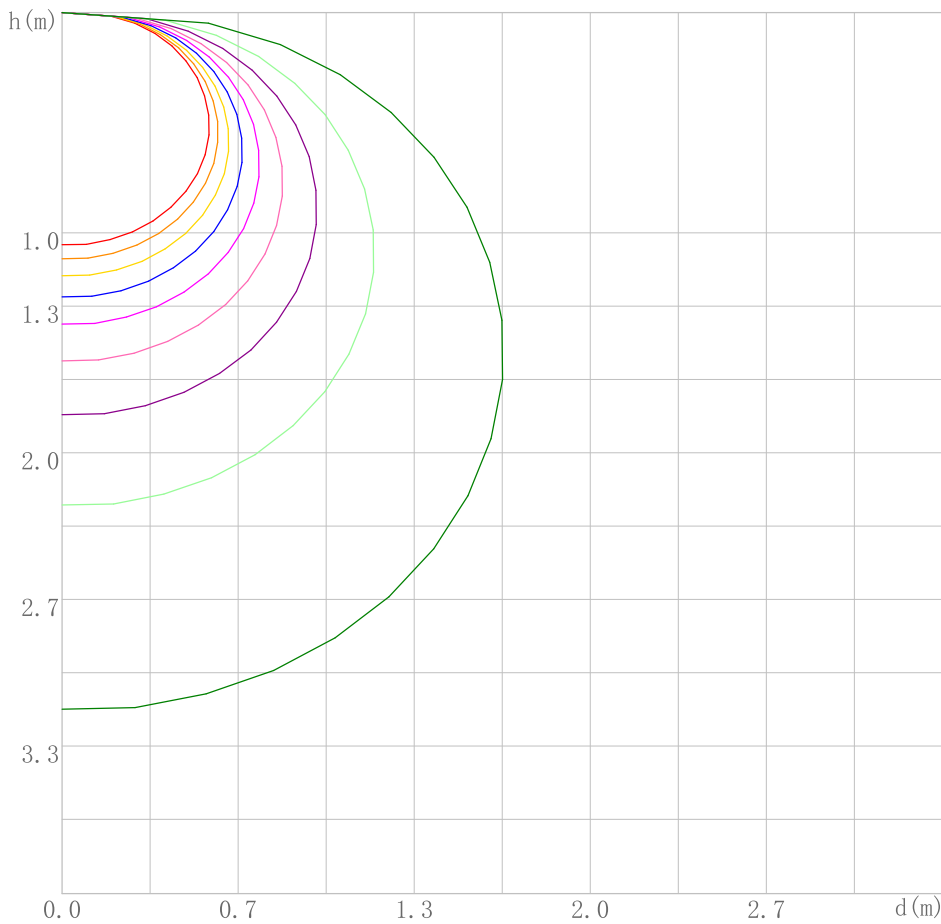


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

### Space ISO Illuminance Diagram

Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31

Space ISO Illuminance Curve



- Curves:  
[Unit: lx]  
[EMax] =546.767
- [EMax\*90%]=492.090
  - [EMax\*80%]=437.414
  - [EMax\*70%]=382.737
  - [EMax\*60%]=328.060
  - [EMax\*50%]=273.384
  - [EMax\*40%]=218.707
  - [EMax\*30%]=164.030
  - [EMax\*20%]=109.353
  - [EMax\*10%]=54.677

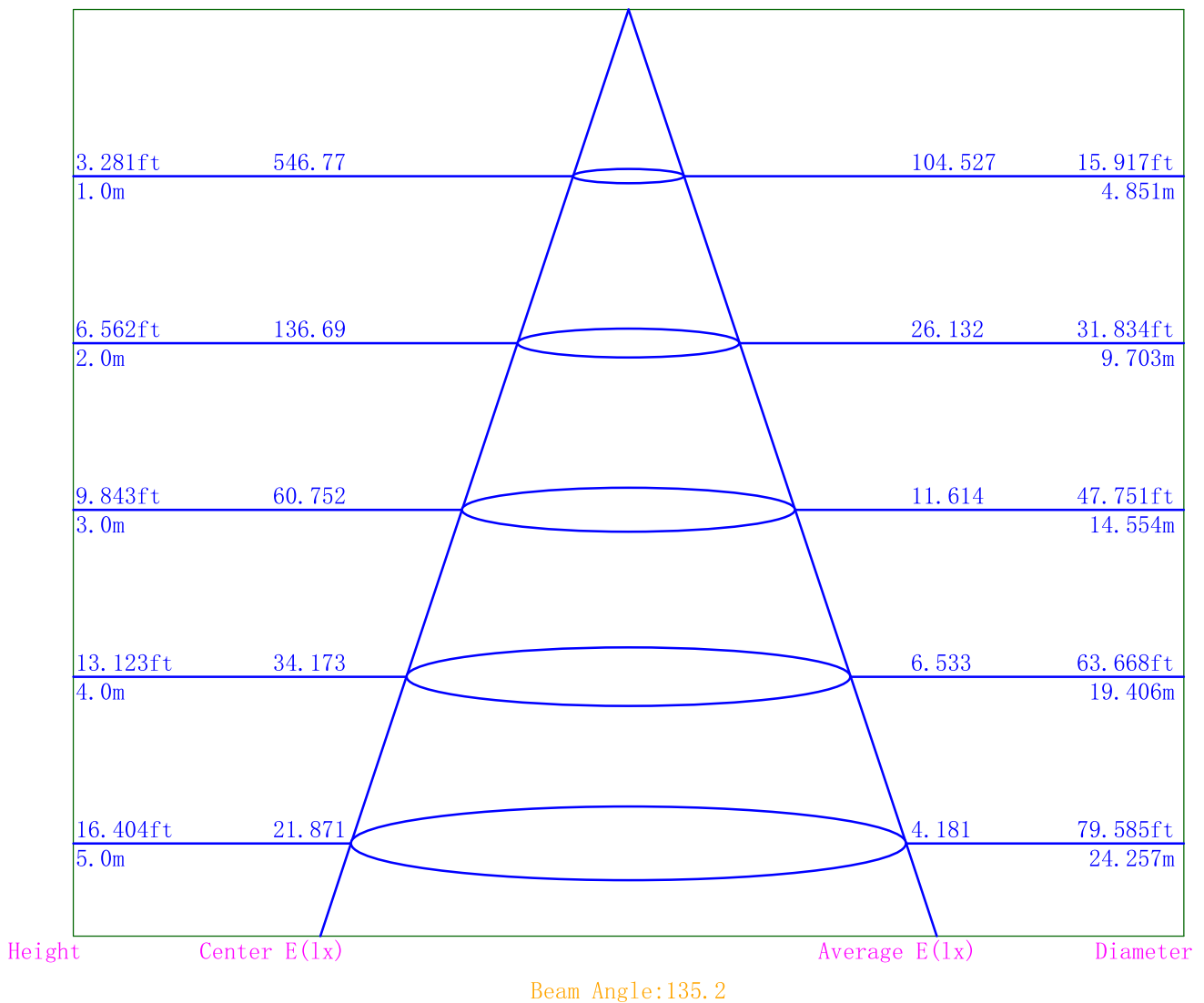
Space Plane Maximum Illuminance and @Angle:546.77lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:550.521cd,0deg



### Illuminance-Distance Diagram

Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31

Illuminance-Distance Curve



## Indoor Luminance Limiting Curves

Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31

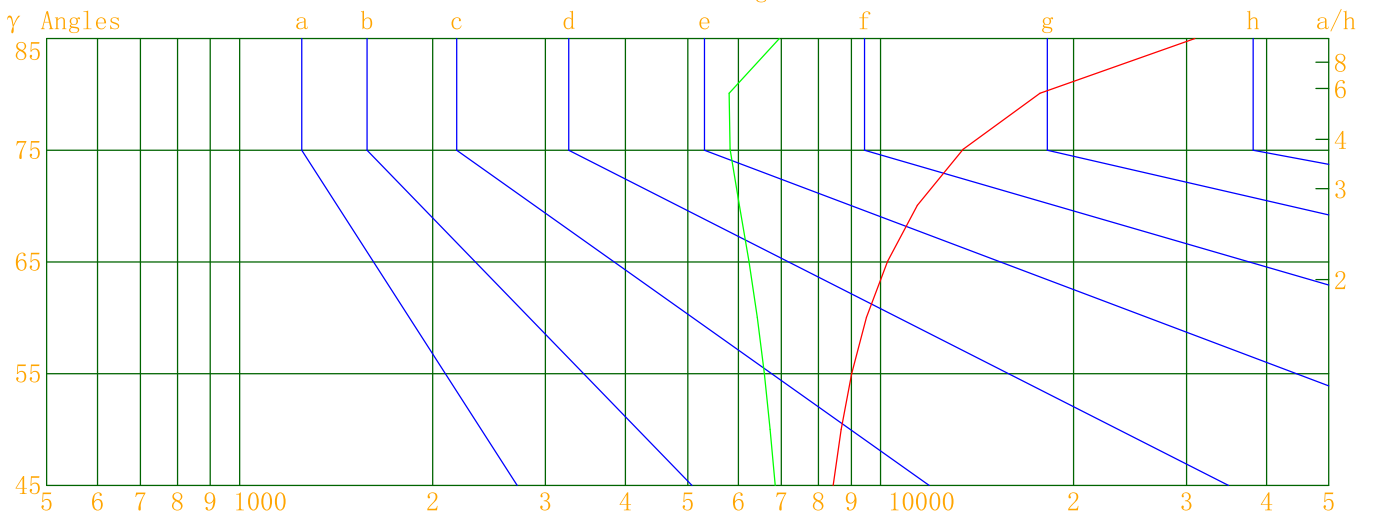
Glare Grade Table

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	8433	8675	9013	9504	10252	11407	13456	17720	30930
C90	6850	6720	6585	6419	6233	6019	5826	5803	6950

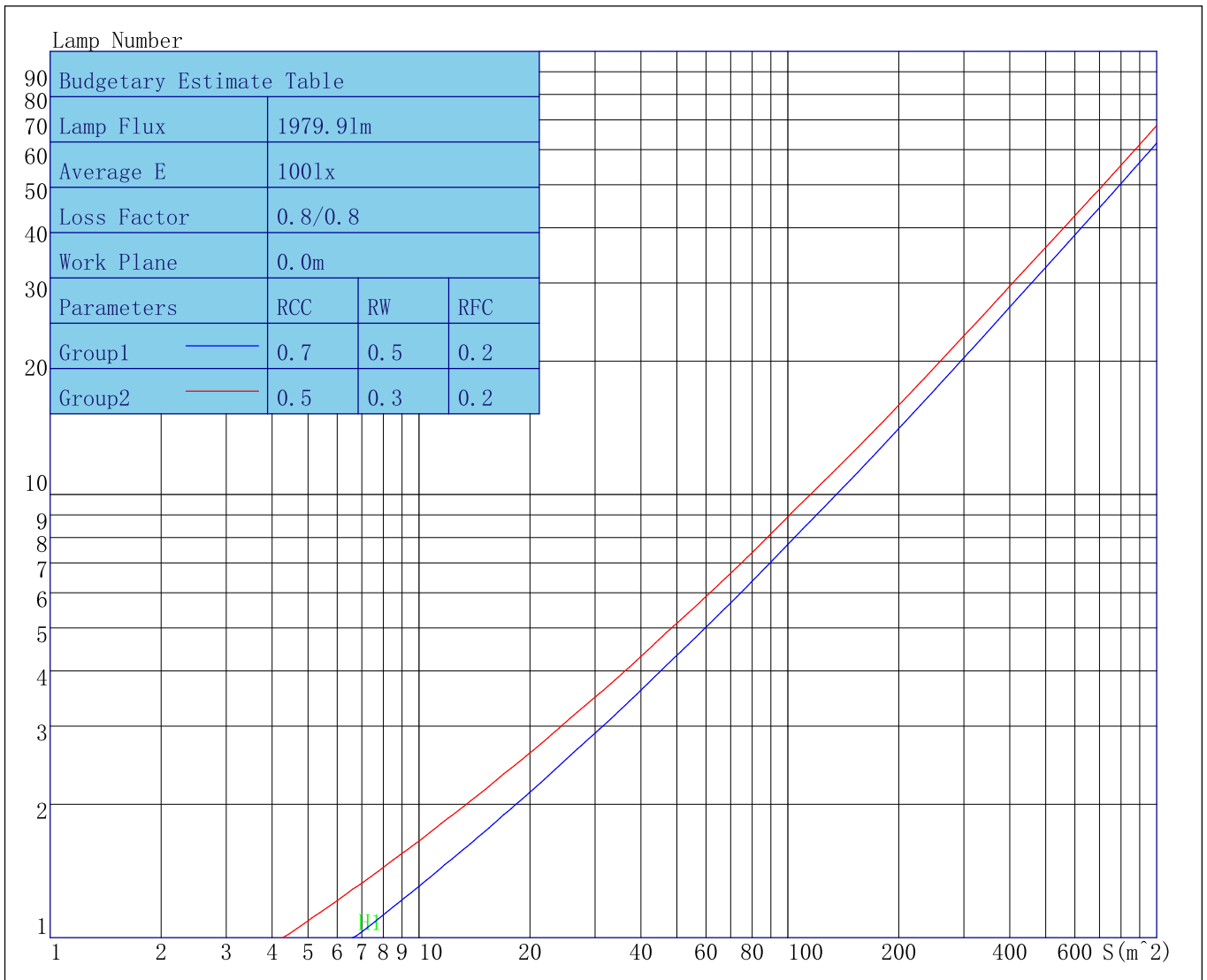
Luminance Limiting Curve



Luminous Size: Length(m)=1.200 Width(m)=0.030 Height(m)=0.030 Area(m<sup>2</sup>)=0.072000  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

### Indoor Budgetary Estimate Table

Lum. Name: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31



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: 231141-3 T10二 扩光15W40K-0107080216N	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/31

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	50	30	10	0
RCR	Coefficient of Utilization (%)																				
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90			
1	104	99	94	89	101	96	91	87	90	86	82	84	81	78	79	76	74	71			
2	94	85	78	71	91	82	75	70	77	71	67	72	68	64	68	64	61	58			
3	86	74	65	58	82	72	64	57	67	61	55	63	58	53	60	55	51	48			
4	78	65	56	49	75	63	55	48	60	52	46	56	50	45	53	48	43	41			
5	72	58	49	42	69	56	48	41	53	46	40	50	44	39	47	42	37	35			
6	66	52	43	36	63	51	42	36	48	40	35	45	39	34	43	37	33	30			
7	61	47	38	32	59	46	37	31	44	36	31	41	35	30	39	33	29	27			
8	57	43	34	28	55	42	34	28	40	32	27	38	31	26	36	30	26	24			
9	53	39	31	25	51	38	30	25	37	29	24	35	28	24	33	27	23	21			
10	50	36	28	23	48	35	28	23	34	27	22	32	26	22	31	25	21	19			

### Unified Glare Rating Table

<b>Lum. Name:</b> 231141-3 T10二 扩光15W40K-0107080216N	<b>Lum. Catalog:</b>	<b>Test ID:</b>
<b>Lamp Name:</b>	<b>Lamp Catalog:</b>	<b>Test Lab:</b>
<b>Manufacture:</b>	<b>Test Machine:</b> GON-2000	<b>Test Date:</b> 2023/07/31

### 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	19.5	21.0	18.6	19.9	20.4	17.8	19.3	16.9	18.2	18.7
Y=3H	22.0	23.3	21.2	22.4	22.9	19.4	20.8	18.7	19.9	20.4
Y=4H	23.4	24.6	22.7	23.8	24.3	20.2	21.4	19.5	20.6	21.1
Y=6H	25.0	26.1	24.4	25.4	26.0	20.7	21.9	20.2	21.2	21.8
Y=8H	25.9	27.0	25.3	26.4	26.9	21.0	22.1	20.5	21.5	22.0
Y=12H	26.9	28.0	26.5	27.4	28.0	21.3	22.3	20.8	21.8	22.3
X=4H Y=2H	19.2	20.5	18.5	19.7	20.2	17.7	19.0	17.0	18.2	18.7
Y=3H	21.7	22.8	21.2	22.2	22.8	19.4	20.5	18.9	19.9	20.4
Y=4H	23.2	24.2	22.8	23.7	24.3	20.2	21.1	19.8	20.7	21.3
Y=6H	24.9	25.8	24.7	25.5	26.1	20.9	21.7	20.6	21.4	22.0
Y=8H	26.0	26.8	25.8	26.6	27.2	21.2	22.0	21.0	21.7	22.4
Y=12H	27.3	28.0	27.2	27.9	28.5	21.5	22.2	21.4	22.1	22.7
X=8H Y=4H	25.5	26.3	25.3	26.0	26.7	22.9	23.7	22.7	23.5	24.1
Y=6H	27.1	27.7	27.1	27.7	28.4	23.6	24.2	23.6	24.2	24.9
Y=8H	28.1	28.7	28.2	28.7	29.4	23.9	24.5	24.0	24.6	25.2
Y=12H	29.3	29.8	29.5	29.9	30.6	24.3	24.8	24.4	24.9	25.6
X=12H Y=4H	25.7	26.4	25.6	26.3	26.9	23.6	24.3	23.5	24.2	24.8
Y=6H	27.6	28.1	27.6	28.2	28.9	24.7	25.2	24.7	25.3	26.0
Y=8H	28.7	29.2	28.9	29.3	30.0	25.2	25.7	25.4	25.9	26.6
Variations with the objverer position at spacings										
S=1.0H	0.5/-0.5					0.3/-0.3				
S=1.5H	0.8/-1.1					0.6/-0.5				
S=2.0H	0.6/-1.3					0.7/-0.9				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	6.2					4.9				

le is calculated according to the document STD.CIE 117-1995

### Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 0.0	546.77	546.77	546.77	546.77	546.77	546.77	546.77	546.77	546.77	546.77	546.77	546.77
γ 5.0	550.52	547.14	544.99	541.17	539.80	538.28	544.77	544.27	543.71	544.34	544.23	545.41
γ 10.0	547.41	542.98	538.33	531.49	529.34	526.72	536.55	537.94	536.39	538.25	538.54	541.92
γ 15.0	541.08	534.16	527.62	517.31	514.16	511.99	524.73	525.84	523.58	526.27	527.46	533.45
γ 20.0	530.76	521.71	512.35	498.21	494.67	492.28	509.40	510.41	507.43	509.15	511.13	520.20
γ 25.0	516.79	505.78	492.95	475.02	470.59	468.75	490.97	492.21	486.24	488.40	489.92	502.90
γ 30.0	499.04	486.06	469.85	447.92	443.09	442.03	469.02	470.30	462.05	462.74	464.66	480.36
γ 35.0	478.23	463.33	443.71	417.46	412.42	412.64	445.53	445.80	433.91	433.27	434.86	454.34
γ 40.0	455.17	438.05	414.03	384.12	378.75	380.12	418.82	418.18	403.17	400.52	402.11	425.84
γ 45.0	429.34	410.32	382.98	348.77	342.95	345.84	390.33	389.06	369.95	364.53	366.67	393.85
γ 50.0	401.49	381.10	349.33	311.00	304.63	310.01	361.39	359.03	334.96	326.47	328.15	359.48
γ 55.0	372.19	350.45	314.68	271.96	264.77	273.28	331.14	327.72	298.60	285.99	287.28	322.96
γ 60.0	342.16	318.53	279.39	231.08	223.26	236.33	300.98	295.74	261.91	243.51	244.31	285.57
γ 65.0	311.96	287.10	244.29	189.68	181.20	200.16	270.78	264.39	225.31	200.09	200.12	247.29
γ 70.0	280.89	255.35	209.17	148.22	138.80	164.98	241.58	233.76	190.38	156.43	155.29	209.74
γ 75.0	250.75	225.09	176.02	108.57	97.87	132.51	213.37	204.24	157.37	114.56	111.15	173.49
γ 80.0	221.55	196.19	145.35	72.55	61.03	103.70	186.80	177.03	127.54	76.91	70.69	140.07
γ 85.0	194.09	169.04	117.72	43.61	32.18	79.22	162.01	151.82	101.61	46.87	37.93	110.26
γ 90.0	168.40	144.05	93.91	24.20	15.52	59.70	139.29	128.91	79.96	27.17	17.75	85.15
γ 95.0	144.59	121.57	74.34	14.06	9.10	44.90	118.76	108.70	62.45	16.72	9.56	65.06
γ 100.0	122.69	101.59	58.53	9.53	6.86	34.13	100.42	90.97	48.81	11.63	6.66	49.74
γ 105.0	103.29	84.24	46.22	7.48	5.85	26.38	84.32	75.70	38.31	9.10	5.33	37.92
γ 110.0	86.27	69.21	36.45	6.18	5.54	21.02	70.21	62.72	30.15	7.47	4.68	29.60
γ 115.0	70.53	53.12	26.65	5.73	5.34	16.46	57.89	50.04	23.50	6.55	4.37	23.35
γ 120.0	56.31	43.58	21.50	4.98	5.13	13.30	45.78	41.24	19.27	5.83	4.18	18.69
γ 125.0	46.44	35.51	18.39	5.14	5.31	11.40	38.00	33.80	16.07	5.53	4.02	15.67
γ 130.0	37.83	28.78	15.68	5.16	5.39	9.89	31.13	27.78	13.20	5.36	4.02	12.90
γ 135.0	30.48	21.80	12.71	5.12	5.44	8.76	25.24	22.85	11.17	5.23	4.02	10.97
γ 140.0	24.47	17.18	10.06	5.07	5.58	8.02	20.43	18.39	9.40	5.24	4.12	9.30
γ 145.0	18.98	14.31	8.63	5.15	5.53	7.54	15.99	15.00	8.42	5.21	4.19	8.31
γ 150.0	15.39	11.69	7.74	5.19	5.43	7.09	13.04	12.45	7.61	5.18	4.25	7.47
γ 155.0	12.51	8.93	7.05	5.32	5.49	6.68	10.68	10.49	6.96	5.07	4.36	6.85
γ 160.0	10.41	7.32	6.78	5.33	5.40	6.27	9.03	9.05	6.40	5.02	4.59	6.49
γ 165.0	8.81	6.73	6.61	5.36	5.44	5.80	7.74	7.84	5.90	5.02	4.74	6.18
γ 170.0	7.54	6.24	6.29	5.28	5.46	5.31	6.74	6.78	5.42	5.15	4.82	5.92
γ 175.0	6.68	5.80	5.94	5.19	5.41	5.20	5.90	6.03	5.18	5.21	4.94	5.65
γ 180.0	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57