

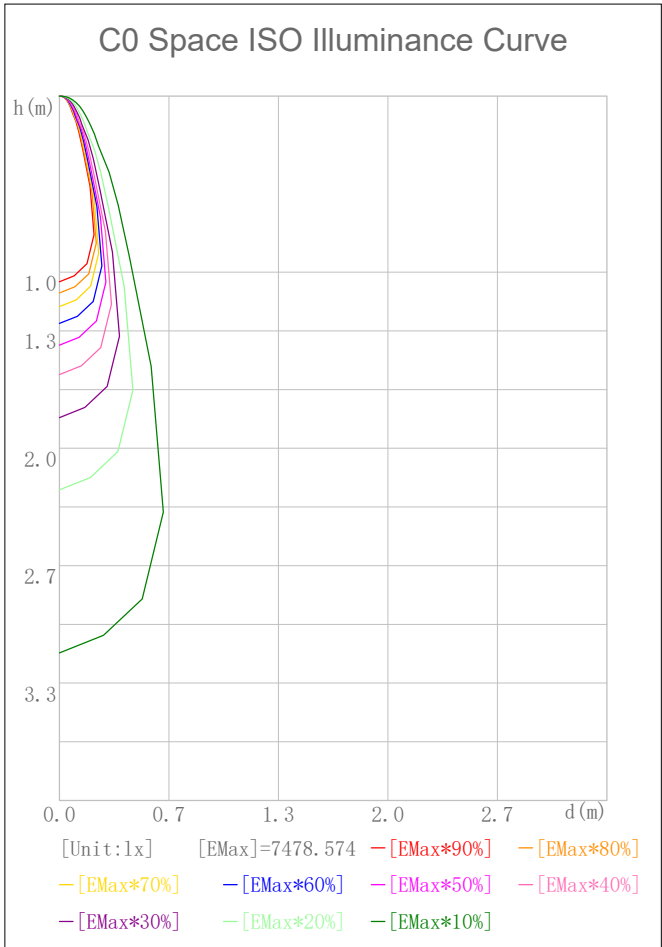
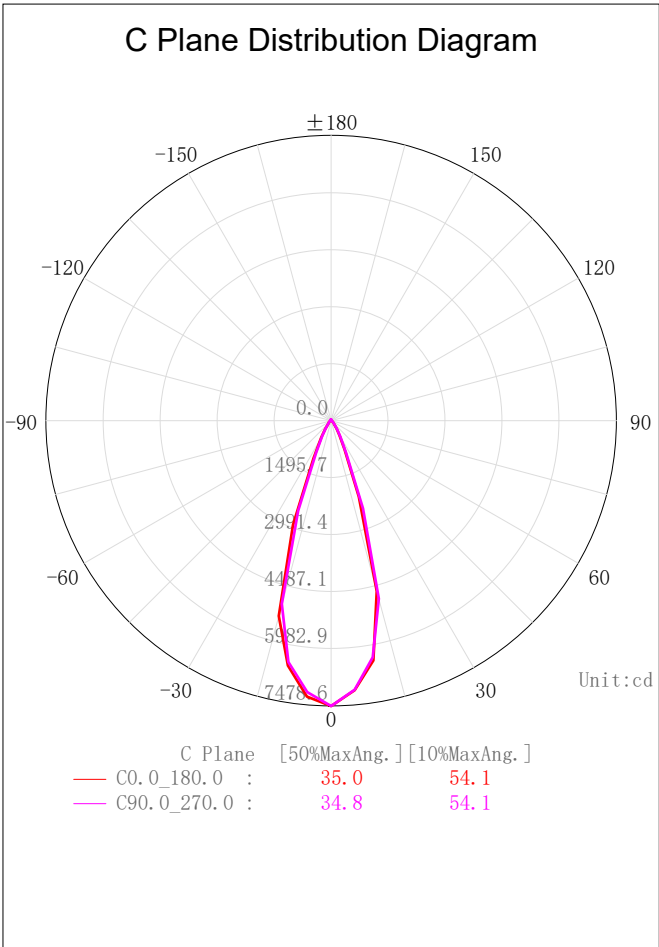
Indoor Luminaire Photometric Data

Description Information

Luminary Name: DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Date: 2022/08/08
Manufacture: Shenzhen Norming Lighting	Shld. Ang(°):	Test Machine:GON-2000
Test Lab: Quality Department	Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.110m*0.110m*0.000m	Lum. Area (m2):0.010	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=5.0	Temp. (°C): 25
		Humidity(%): 50.0

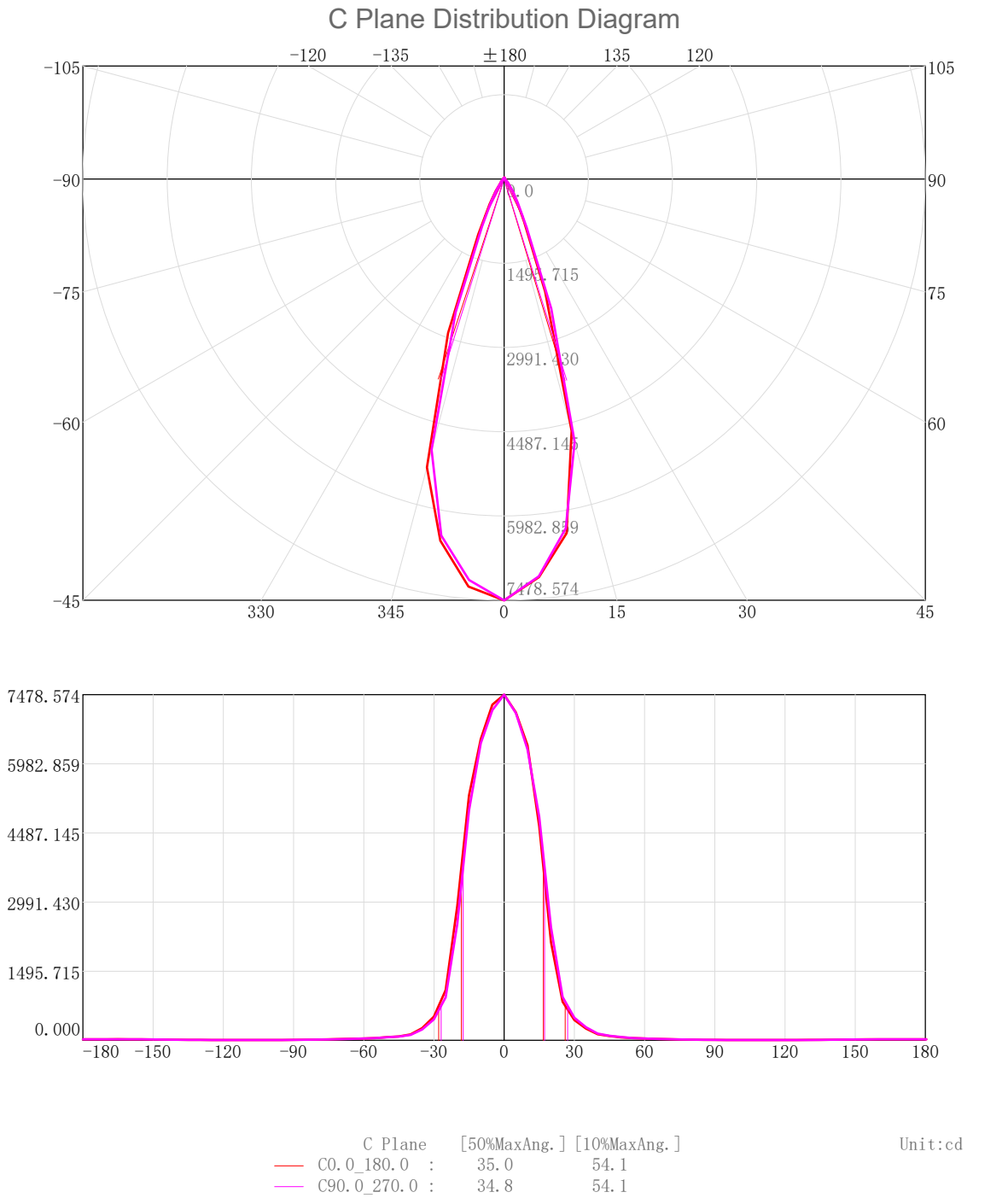
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 2931.620	Luminary Flux(lm): 2931.616	Field Angle(10%Imax): 54.1(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 2854.044lm 97.35%
Rated Voltage(V):	Luminary EER(lm/W): 85.595	Up Lumens&Percent: 77.572lm 2.65%
Tested Power(W): 34.250	Max. Candela(cd): 7478.574	S/MH: C0_a180=0.594 C90_270=0.590
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf):239.7, 0.148, 0.962	Beam Angle(50%Imax): 35.0(°)	ErP Φ use(90°): 2730.011lm
Lamp Size (W*L*H):0.110m*0.110m*0.000m	Left=-18.3°, Right=16.8°	IRF(%): 581.888



2D Plane Light Intensity Distribution Curve

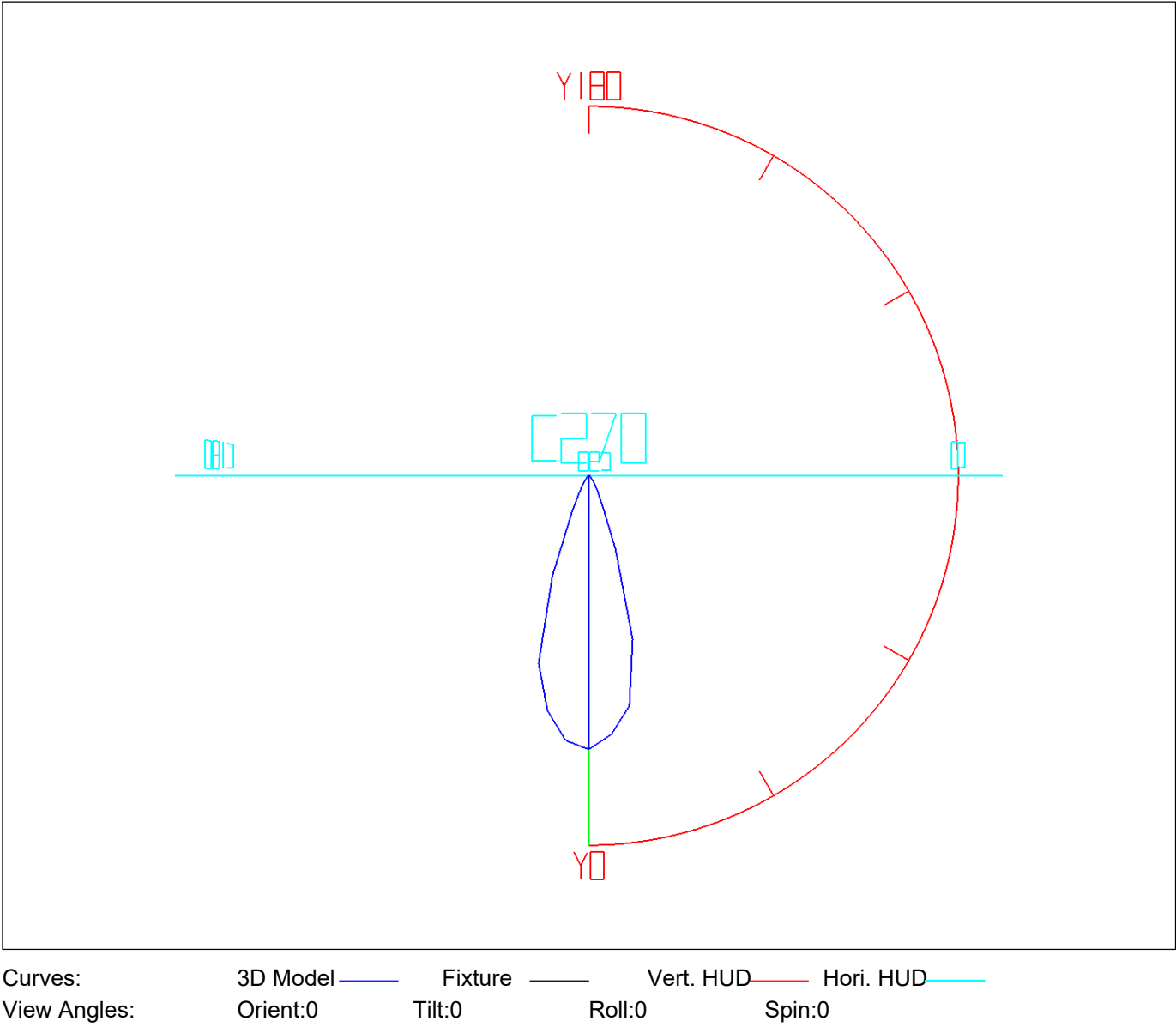
Lum. Name:DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/08



3D Light Intensity Distribution Modal

Lum. Name:DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/08

3D Light Intensity Distribution Modal

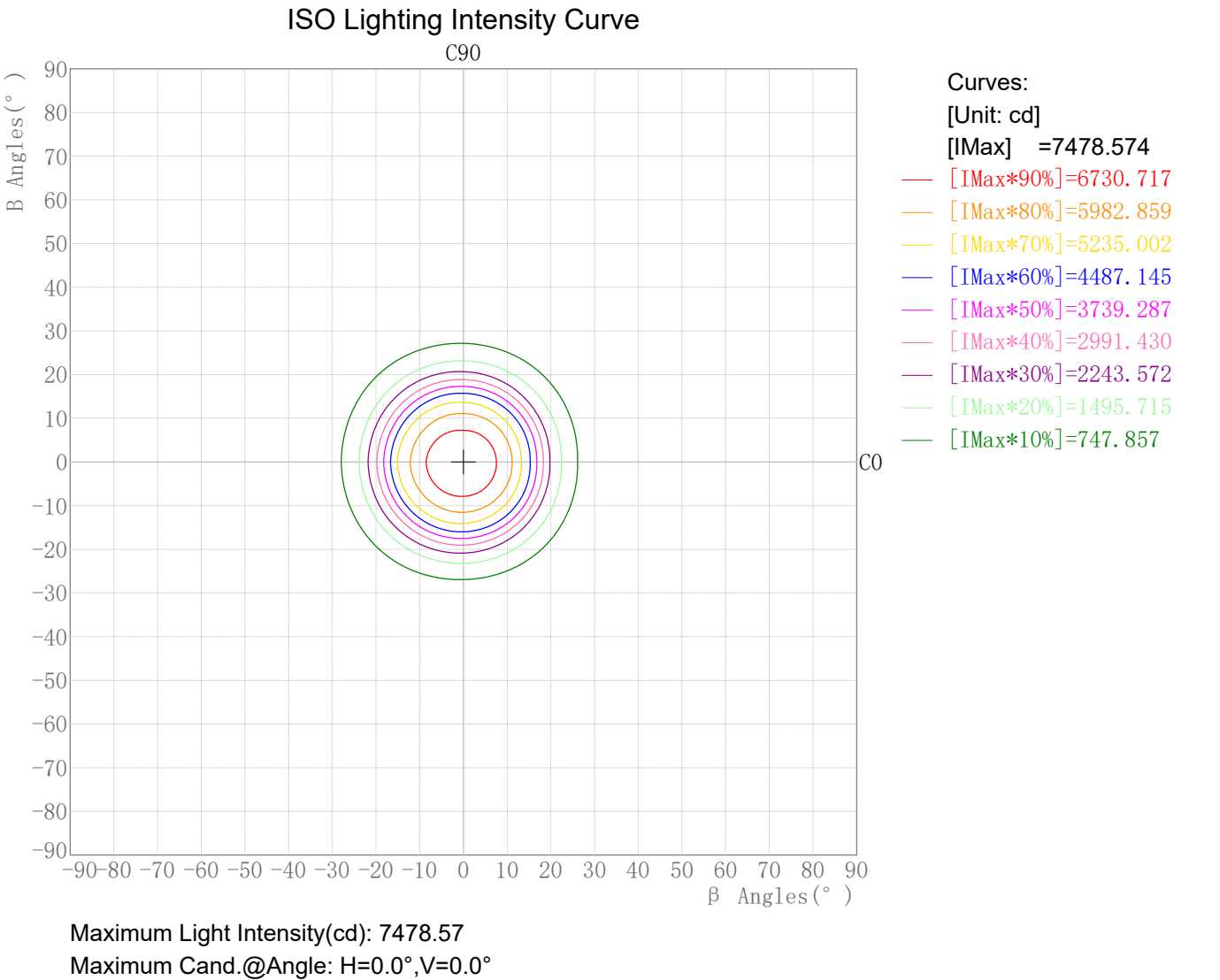


Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	174.82	174.82	5.96	5.96
5.0-10.0	484.76	659.58	16.54	22.50
10.0-15.0	672.67	1332.25	22.95	45.44
15.0-20.0	612.53	1944.78	20.89	66.34
20.0-25.0	361.64	2306.42	12.34	78.67
25.0-30.0	180.32	2486.74	6.15	84.82
30.0-35.0	108.39	2595.14	3.70	88.52
35.0-40.0	65.61	2660.75	2.24	90.76
40.0-45.0	41.46	2702.21	1.41	92.17
45.0-50.0	32.48	2734.69	1.11	93.28
50.0-55.0	26.15	2760.84	0.89	94.17
55.0-60.0	21.25	2782.09	0.72	94.90
60.0-65.0	18.15	2800.24	0.62	95.52
65.0-70.0	15.31	2815.54	0.52	96.04
70.0-75.0	12.75	2828.29	0.43	96.48
75.0-80.0	10.46	2838.75	0.36	96.83
80.0-85.0	8.44	2847.18	0.29	97.12
85.0-90.0	6.86	2854.04	0.23	97.35
90.0-95.0	5.88	2859.93	0.20	97.55
95.0-100.0	5.29	2865.22	0.18	97.73
100.0-105.0	4.83	2870.05	0.16	97.90
105.0-110.0	4.50	2874.55	0.15	98.05
110.0-115.0	4.22	2878.77	0.14	98.20
115.0-120.0	4.04	2882.81	0.14	98.34
120.0-125.0	4.04	2886.85	0.14	98.47
125.0-130.0	4.21	2891.06	0.14	98.62
130.0-135.0	4.60	2895.66	0.16	98.77
135.0-140.0	5.10	2900.76	0.17	98.95
140.0-145.0	5.51	2906.27	0.19	99.14
145.0-150.0	5.65	2911.92	0.19	99.33
150.0-155.0	5.47	2917.39	0.19	99.51
155.0-160.0	4.94	2922.33	0.17	99.68
160.0-165.0	4.03	2926.35	0.14	99.82
165.0-170.0	2.91	2929.26	0.10	99.92
170.0-175.0	1.76	2931.02	0.06	99.98
175.0-180.0	0.59	2931.62	0.02	100.00

Rectangle ISO Lighting Intensity Diagram

Lum. Name: DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date: 2022/08/08

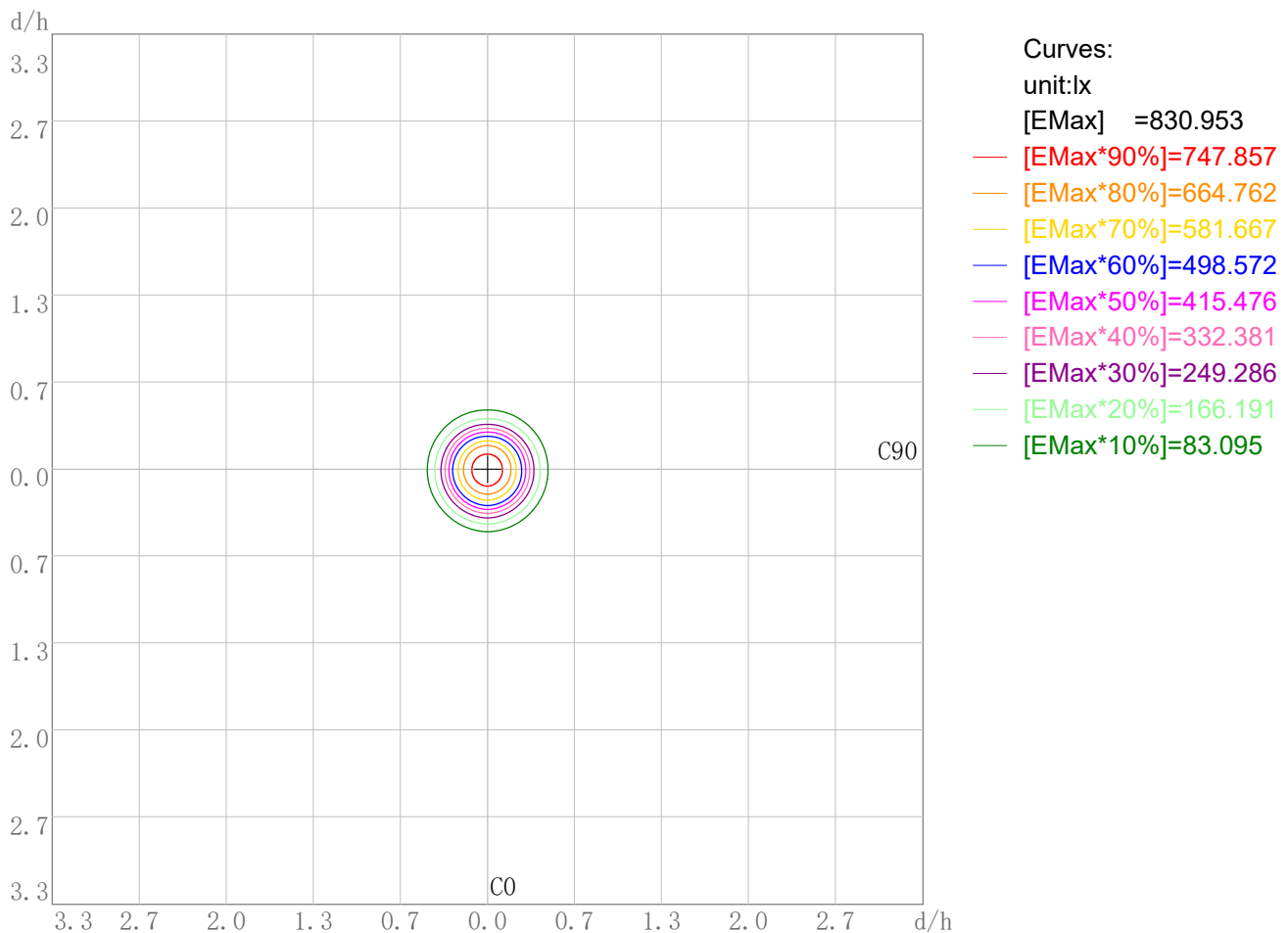


Photometric Filename:DL51-35-XX-01 2700K RA90 36D 白色.IES

Plane ISO-Illuminance Diagram

Lum. Name: DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting	Test Machine: GON-2000	Test Date: 2022/08/08

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

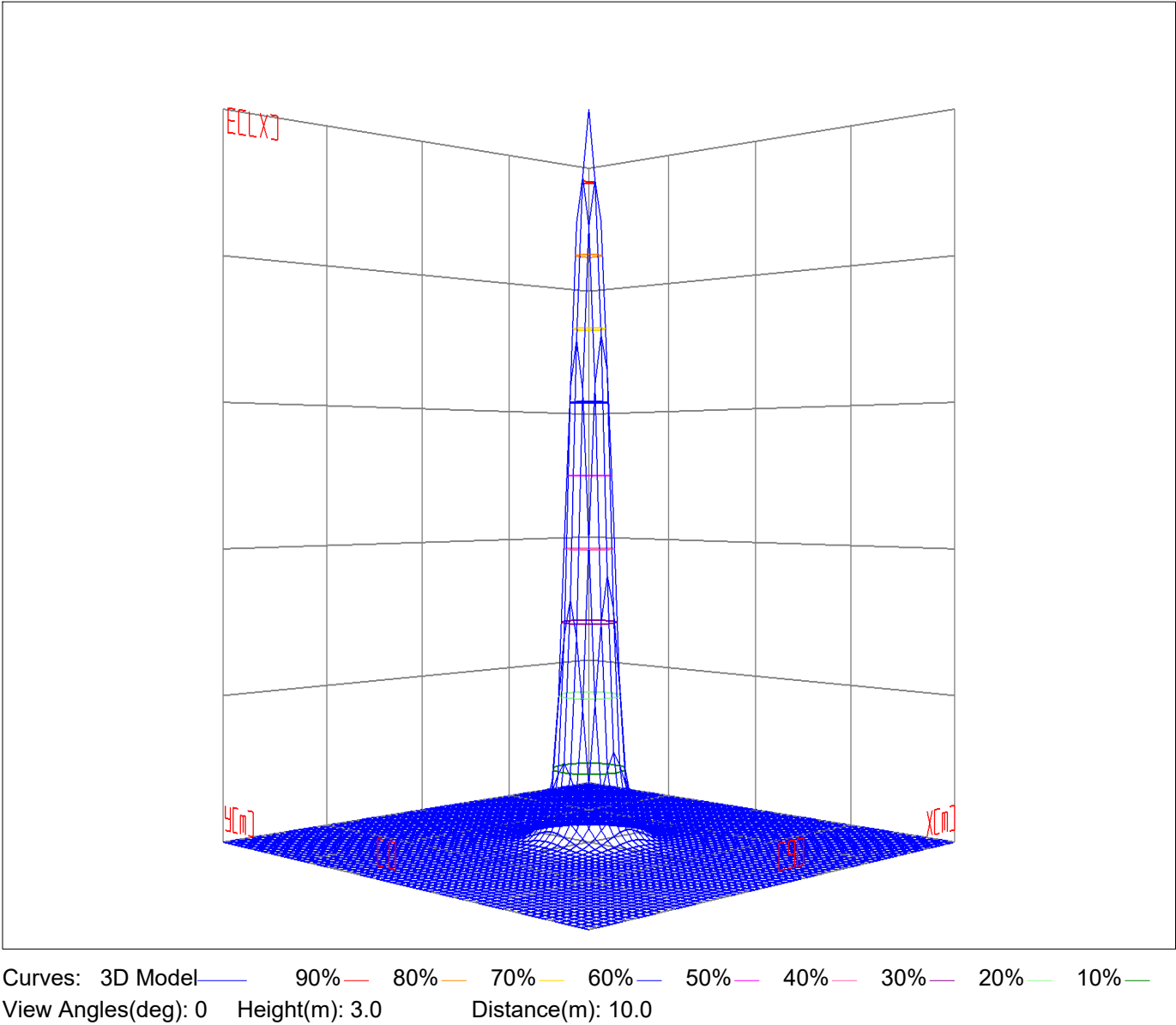
Working Plane Maximum Illuminance(lx): 830.95

Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date: 2022/08/08

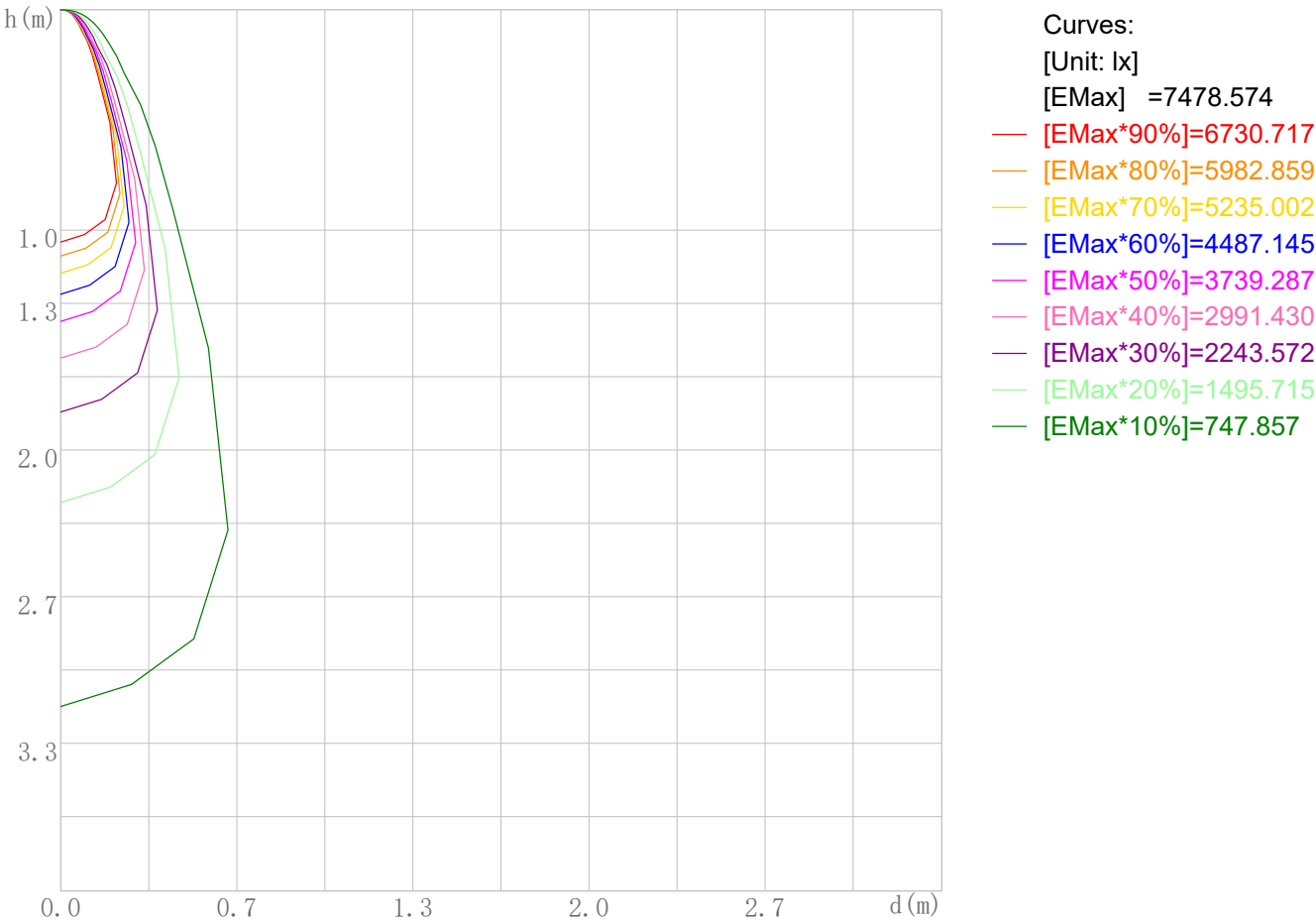
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name:DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/08

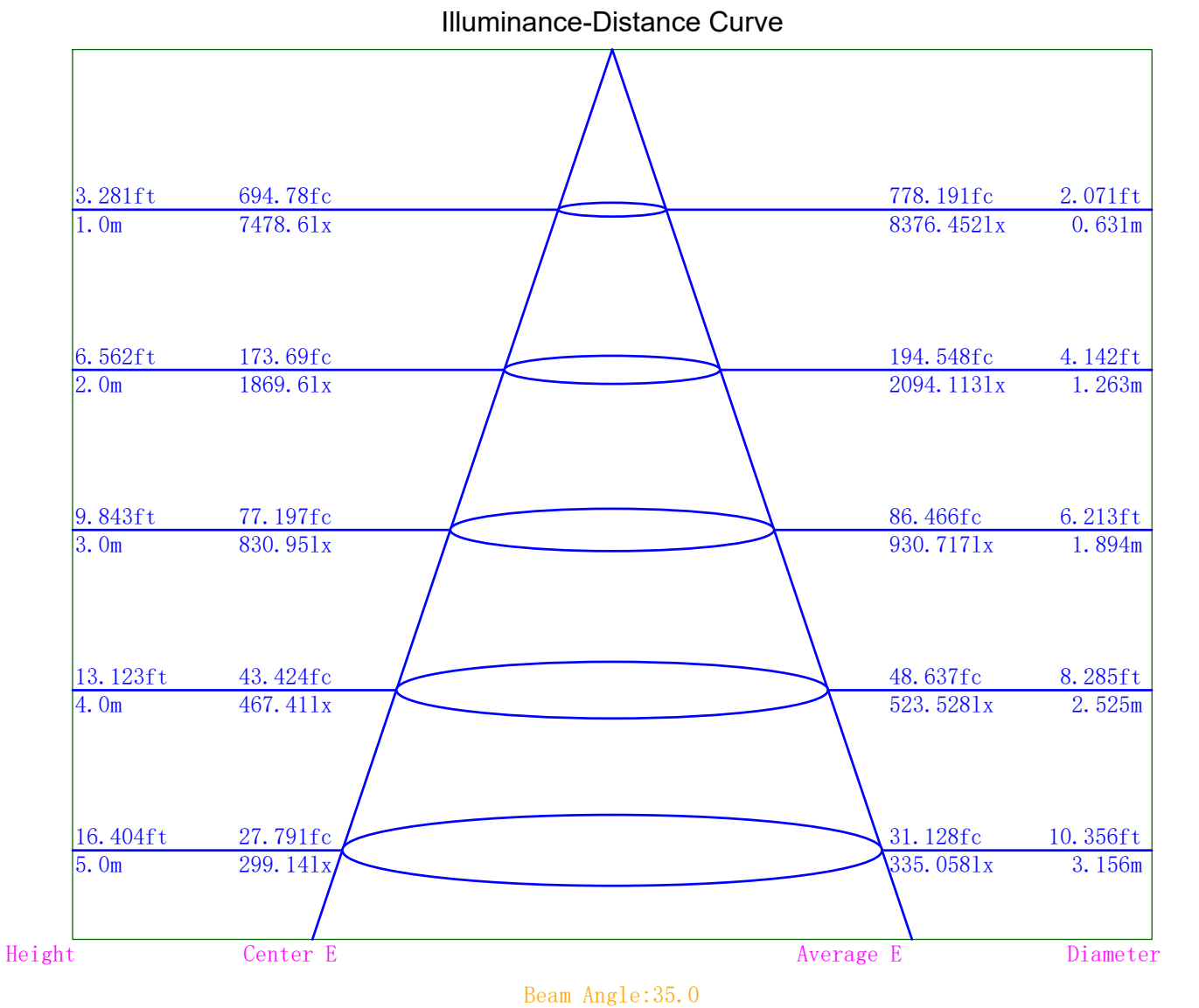
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:7478.57lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:7478.574cd,0deg

Illuminance-Distance Diagram

Lum. Name:DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/08



Indoor Luminance Limiting Curves

Lum. Name:DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/08

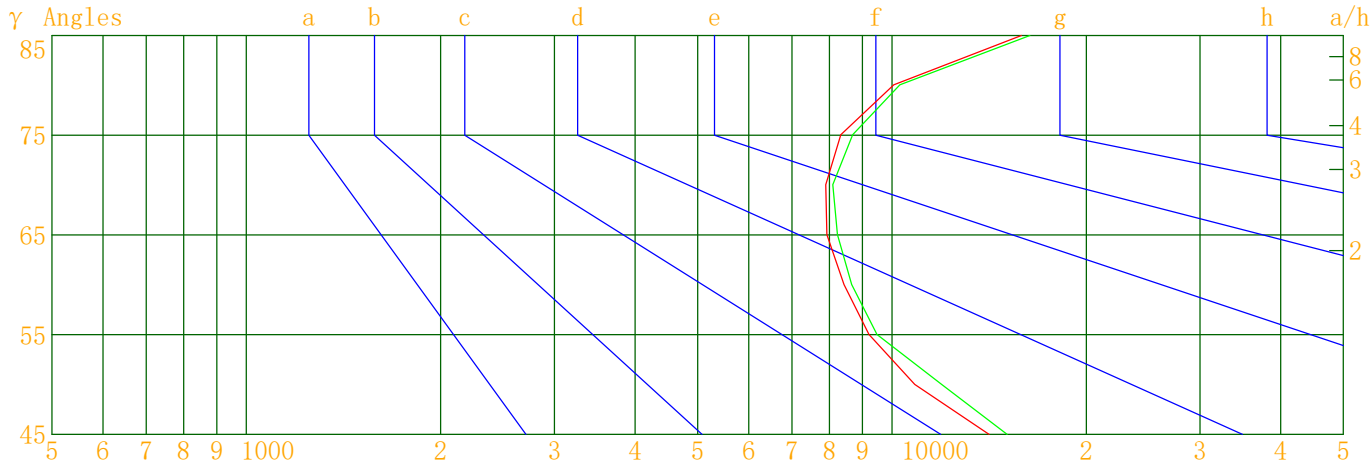
Glare Grade Table

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	14136	10846	9213	8426	7929	7899	8332	10064	15866
C90	15074	11935	9481	8661	8231	8097	8692	10288	16351

Luminance Limiting Curve



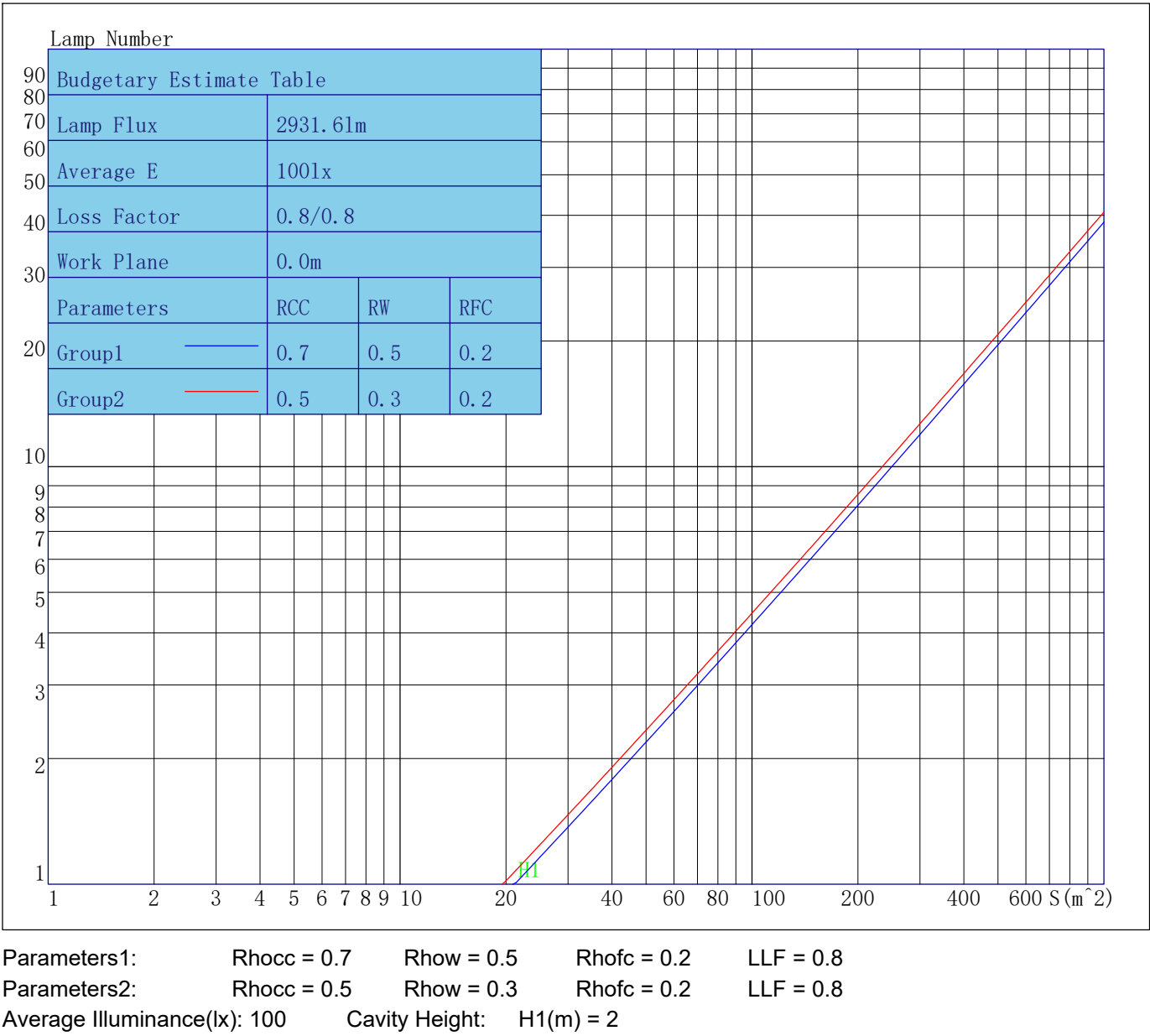
Luminous Size:Length(m)=-0.110Width(m)=-0.110Height(m)=0.000Area(m^2)=0.009503

Luminous Type:Without Luminous Side

Luminous Curves:C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name:DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catalog:	Test ID:01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date: 2022/08/08



Indoor Coefficient of Utilization Table

Lum. Name:DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/08

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97
1	113	111	108	106	111	108	106	104	104	102	101	100	98	97	96	95	94	92
2	109	104	100	97	106	102	99	96	99	96	94	95	93	91	92	91	89	87
3	104	98	94	91	102	97	93	90	94	91	88	91	89	86	89	87	85	83
4	100	93	89	85	98	92	88	84	90	86	83	88	84	82	85	83	81	79
5	96	89	84	80	94	88	83	80	86	82	79	84	81	78	82	80	77	76
6	93	85	80	76	91	84	80	76	83	78	75	81	77	75	80	76	74	73
7	89	82	77	73	88	81	76	73	79	75	72	78	74	72	77	74	71	70
8	86	78	73	70	85	78	73	70	76	72	69	75	72	69	74	71	68	67
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	68	66	65
10	81	73	68	65	80	72	68	64	71	67	64	70	67	64	69	66	64	63

Unified Glare Rating Table

Lum. Name:DL51-35-XX-01 2700K RA90 36D 白色	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/08

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	14.5	15.5	15.0	15.9	16.2	15.0	15.9	15.4	16.3	16.6
	15.4	16.2	15.8	16.6	17.0	15.7	16.6	16.2	16.9	17.4
	15.9	16.6	16.3	17.0	17.5	16.2	17.0	16.7	17.4	17.8
	16.5	17.2	16.9	17.6	18.0	16.8	17.5	17.2	17.9	18.4
	16.8	17.5	17.3	17.9	18.4	17.1	17.7	17.6	18.2	18.7
	17.2	17.8	17.7	18.3	18.8	17.5	18.1	18.0	18.5	19.0
X=4H Y=2H	14.8	15.5	15.2	15.9	16.4	15.1	15.9	15.6	16.3	16.8
	15.9	16.5	16.3	17.0	17.4	16.2	16.8	16.7	17.3	17.7
	16.5	17.1	17.0	17.6	18.1	16.8	17.4	17.3	17.9	18.4
	17.3	17.8	17.9	18.3	18.9	17.6	18.1	18.1	18.6	19.1
	17.8	18.2	18.3	18.7	19.3	18.0	18.5	18.6	19.0	19.5
	18.3	18.7	18.9	19.2	19.8	18.6	19.0	19.1	19.5	20.0
X=8H Y=4H	16.8	17.2	17.3	17.7	18.3	17.1	17.5	17.6	18.0	18.6
	17.8	18.2	18.4	18.7	19.3	18.1	18.4	18.6	19.0	19.5
	18.5	18.8	19.0	19.3	19.9	18.7	19.0	19.3	19.6	20.1
	19.2	19.5	19.8	20.0	20.7	19.4	19.7	20.0	20.2	20.9
X=12H Y=4H	16.8	17.2	17.4	17.7	18.3	17.1	17.5	17.6	18.0	18.6
	18.0	18.3	18.5	18.8	19.4	18.2	18.5	18.8	19.0	19.6
	18.7	18.9	19.3	19.5	20.1	18.9	19.2	19.5	19.7	20.3
Variations with the objverver position at spacings										
S=1.0H	0.1/-0.1					0.2/-0.2				
S=1.5H	0.3/-0.3					0.3/-0.3				
S=2.0H	0.3/-0.4					0.3/-0.4				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	3.1					3.0				

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

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	7478.57	7478.57	7478.57	7478.57
γ 5.0	7094.22	7078.89	7262.03	7144.38
γ 10.0	6383.89	6296.93	6517.85	6425.72
γ 15.0	4628.85	4831.57	5298.81	4975.32
γ 20.0	2124.33	2447.23	2906.95	2516.40
γ 25.0	836.24	941.27	1089.08	930.93
γ 30.0	441.40	491.72	513.76	455.28
γ 35.0	253.26	284.79	266.34	237.79
γ 40.0	134.17	147.17	130.05	119.46
γ 45.0	94.99	101.29	86.90	81.71
γ 50.0	66.25	72.91	71.50	67.37
γ 55.0	50.22	51.68	51.65	49.44
γ 60.0	40.04	41.16	42.66	40.94
γ 65.0	31.85	33.06	35.26	33.64
γ 70.0	25.67	26.32	28.58	27.44
γ 75.0	20.49	21.38	23.21	21.98
γ 80.0	16.61	16.98	18.16	17.52
γ 85.0	13.14	13.54	14.37	13.86
γ 90.0	10.96	11.44	11.70	11.19
γ 95.0	10.26	10.30	10.33	9.78
γ 100.0	9.40	9.20	9.21	9.38
γ 105.0	8.69	8.59	8.84	8.88
γ 110.0	8.32	8.33	8.65	8.60
γ 115.0	7.97	8.06	8.53	8.22
γ 120.0	8.34	8.22	8.53	8.67
γ 125.0	9.04	8.75	9.13	9.20
γ 130.0	10.46	9.70	10.66	10.52
γ 135.0	12.42	12.01	12.58	12.69
γ 140.0	15.23	14.67	15.33	15.25
γ 145.0	18.27	17.28	17.99	18.11
γ 150.0	20.63	20.00	20.83	20.38
γ 155.0	22.88	22.10	23.40	22.64
γ 160.0	24.51	23.79	24.82	24.09
γ 165.0	24.47	24.20	25.32	24.31
γ 170.0	24.57	24.07	24.95	24.13
γ 175.0	25.05	24.56	25.08	24.39
γ 180.0	24.94	24.94	24.94	24.94