

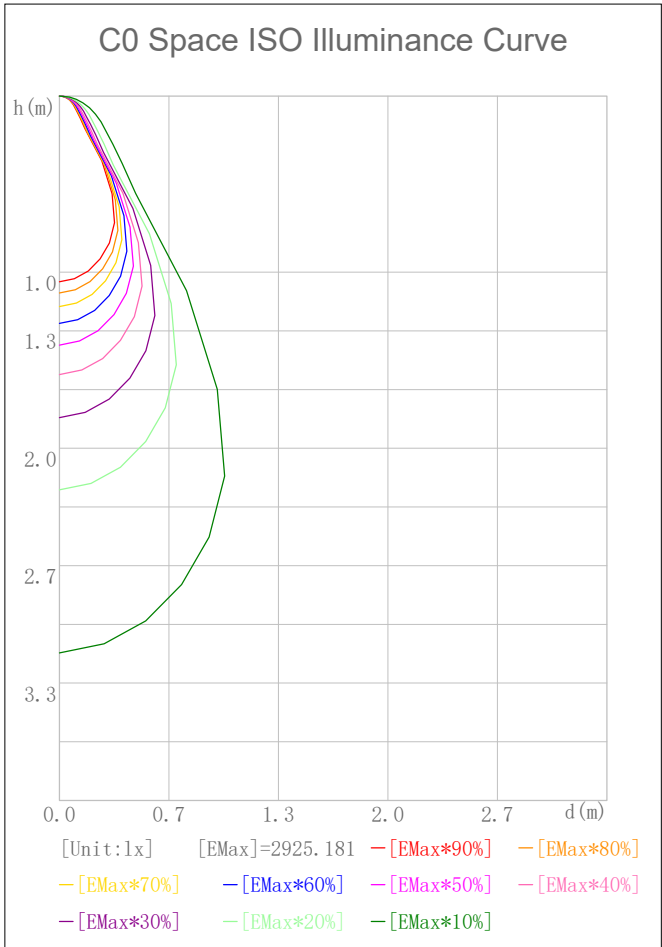
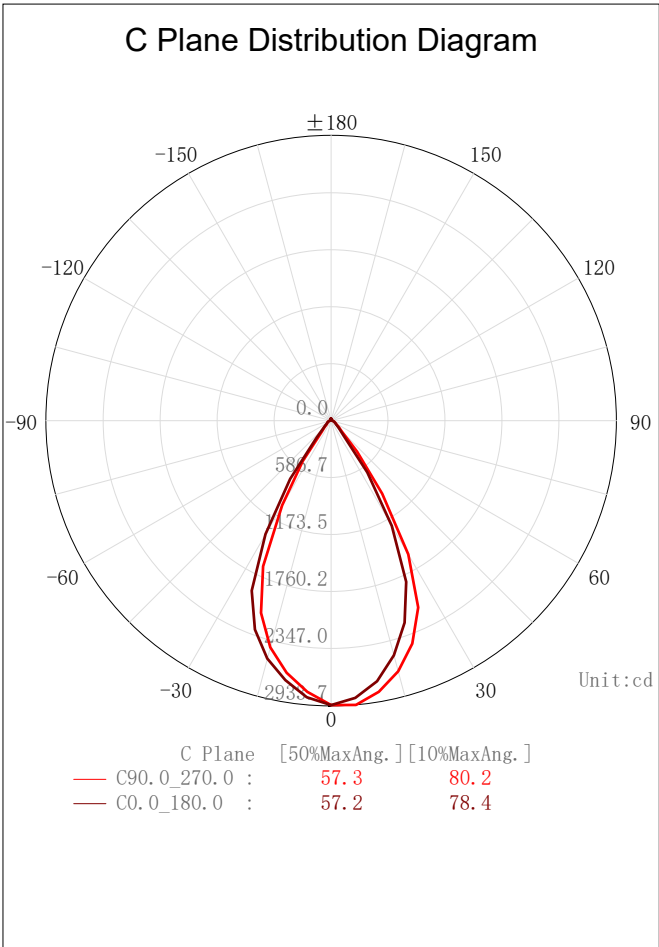
Indoor Luminaire Photometric Data

Description Information

Luminary Name: DL51-35-XX-01 2700K RA90 60D 白色		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2022/08/05
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(%):

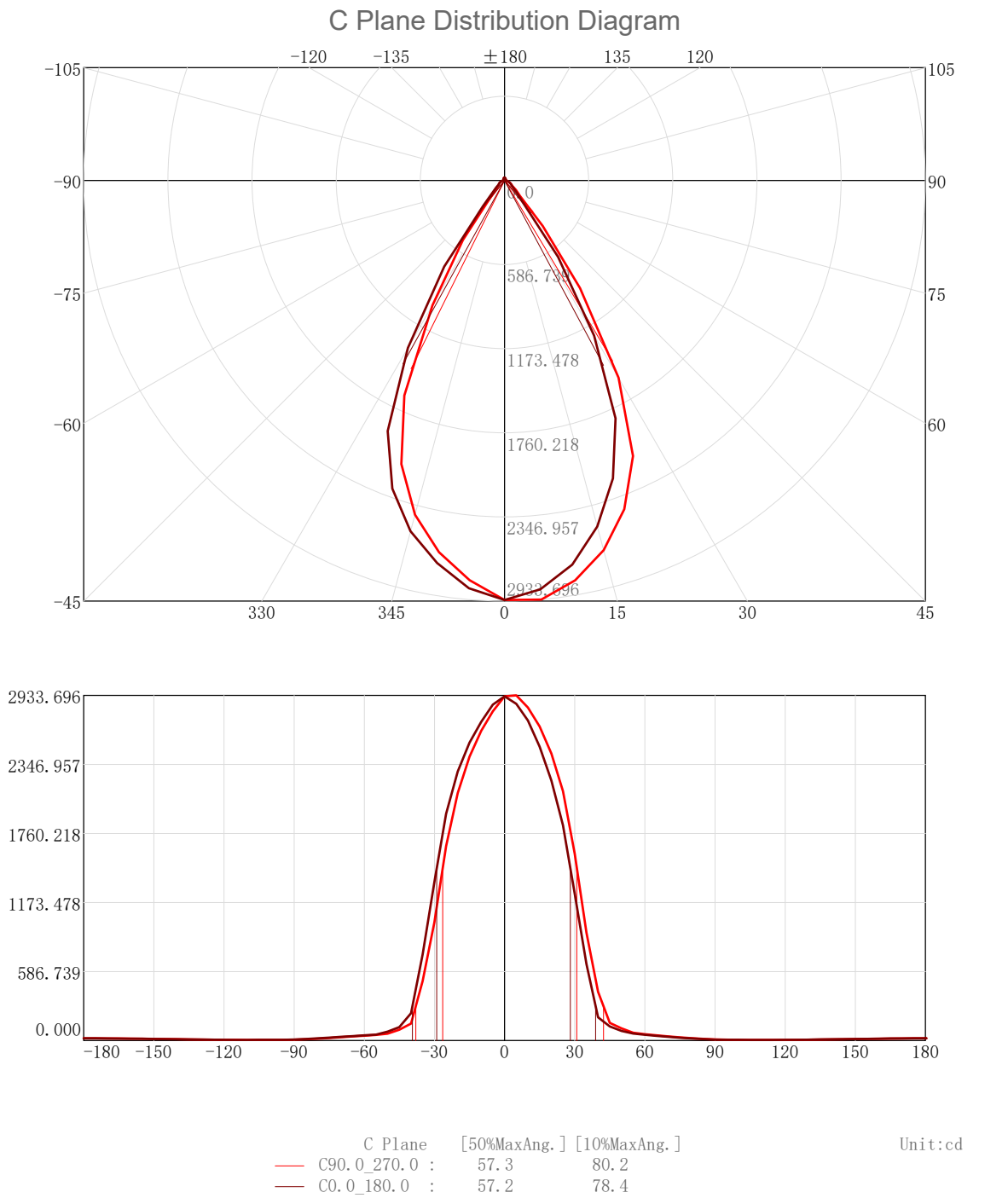
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 2567.000	Luminary Flux(lm): 2567.004	Field Angle(10%Imax): 80.2(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 2508.905lm 97.74%	
Rated Voltage(V):	Luminary EER(lm/W): 76.217	Up Lumens&Percent: 58.099lm 2.26%	
Tested Power(W): 33.680	Max. Candela(cd): 2933.696	S/MH: C0_a180=0.904 C90_270=0.908	
Lamps' Inside: 1	Max Cand@Ang. (°): C=90.0 γ=5.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):239.9, 0.146	Beam Angle(50%Imax): 57.3(°)	ErP Φ use(90°): 2393.803lm	
Lamp Size (W*L*H):0.110m*0.110m*0.000m	Left=-26.4°, Right=30.9°	IRF(%): 259.262	



2D Plane Light Intensity Distribution Curve

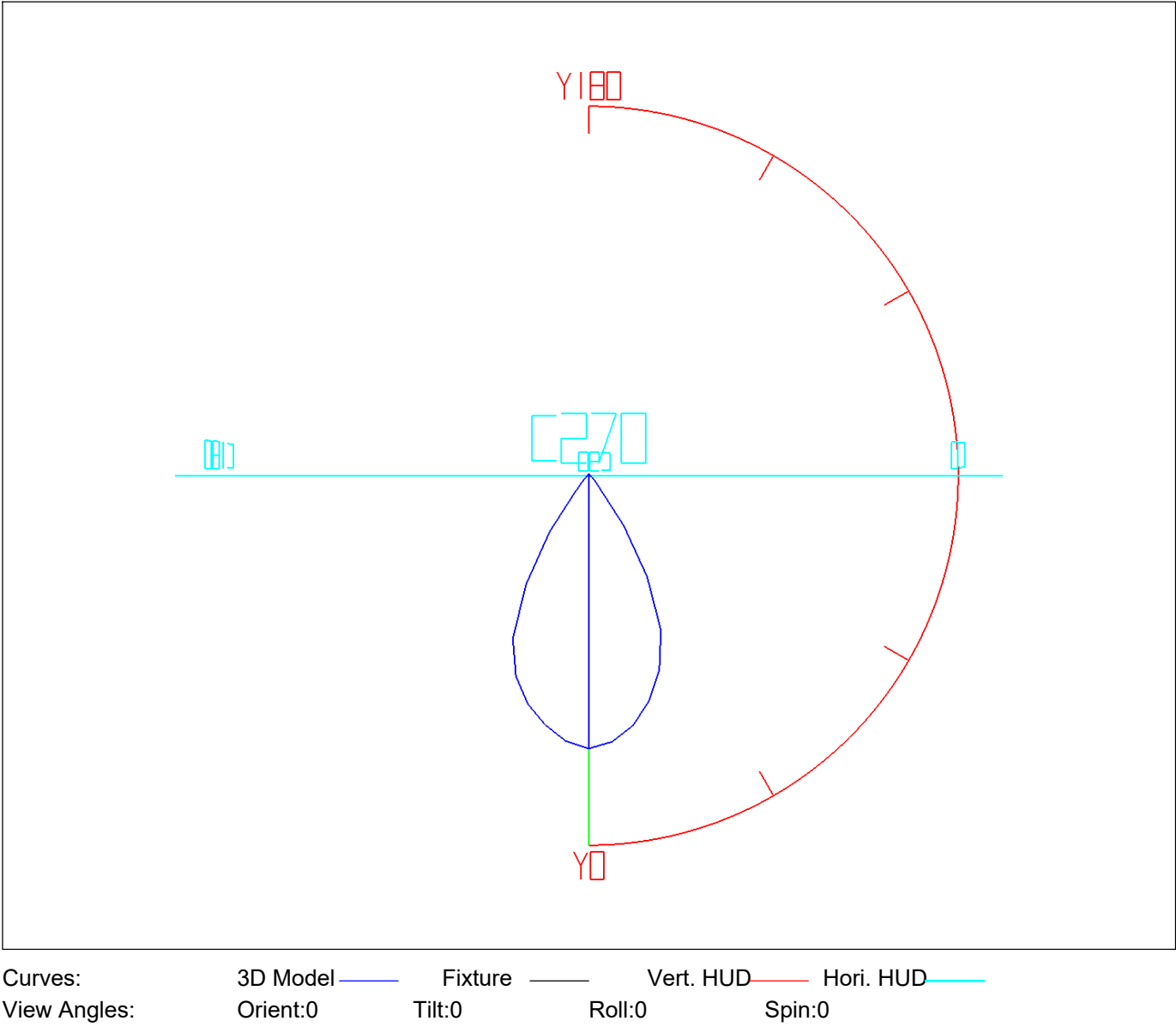
Lum. Name:DL51-35-XX-01 2700K RA90 60D 白色	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/05



3D Light Intensity Distribution Modal

Lum. Name:DL51-35-XX-01 2700K RA90 60D 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:2022/08/05

3D Light Intensity Distribution Modal

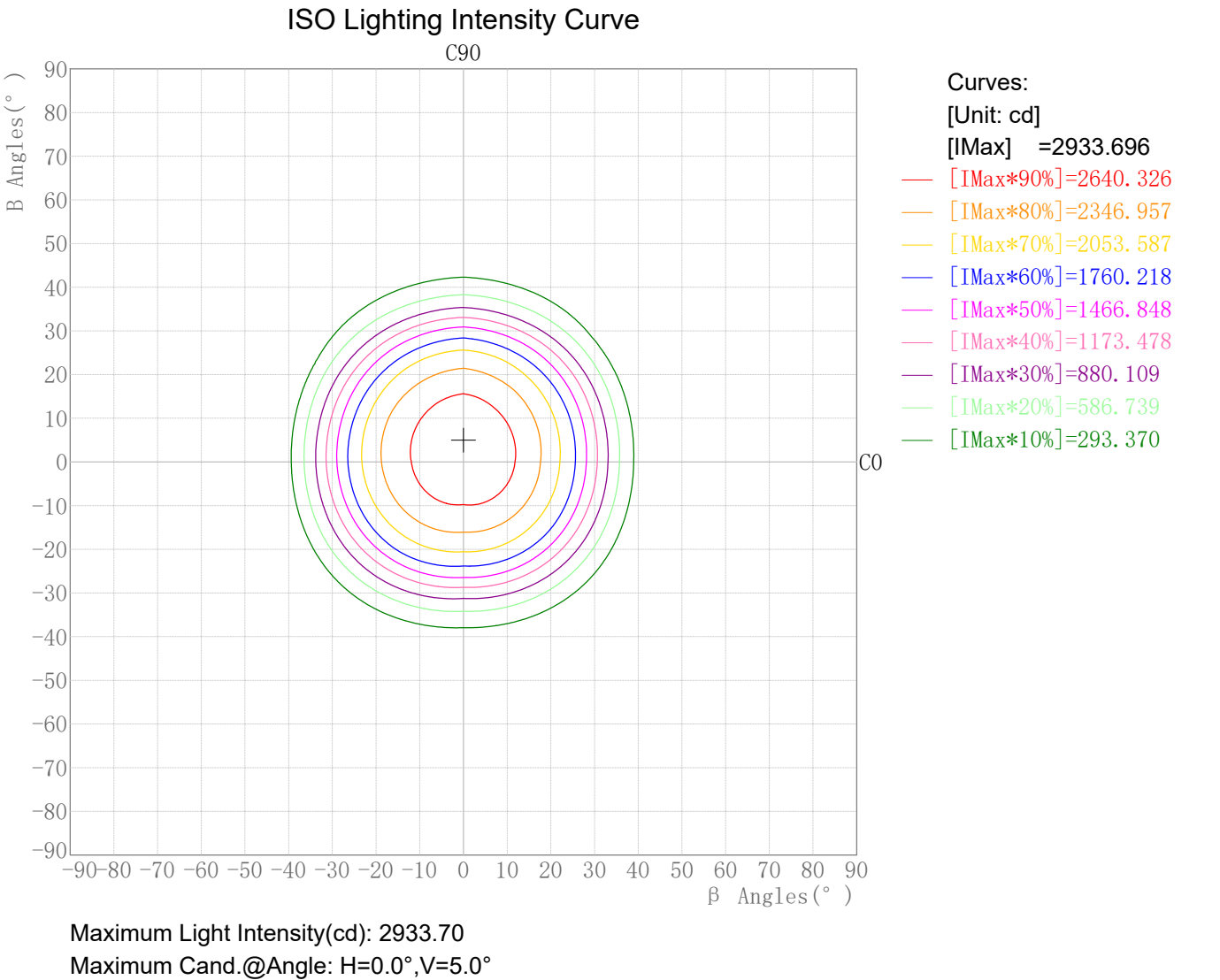


Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	69.18	69.18	2.70	2.70
5.0-10.0	199.79	268.97	7.78	10.48
10.0-15.0	311.46	580.43	12.13	22.61
15.0-20.0	394.58	975.01	15.37	37.98
20.0-25.0	434.49	1409.49	16.93	54.91
25.0-30.0	402.45	1811.94	15.68	70.59
30.0-35.0	294.37	2106.31	11.47	82.05
35.0-40.0	158.40	2264.72	6.17	88.22
40.0-45.0	68.12	2332.84	2.65	90.88
45.0-50.0	40.57	2373.41	1.58	92.46
50.0-55.0	29.93	2403.34	1.17	93.62
55.0-60.0	24.30	2427.64	0.95	94.57
60.0-65.0	21.41	2449.05	0.83	95.40
65.0-70.0	18.33	2467.37	0.71	96.12
70.0-75.0	15.03	2482.40	0.59	96.70
75.0-80.0	11.75	2494.14	0.46	97.16
80.0-85.0	8.71	2502.85	0.34	97.50
85.0-90.0	6.06	2508.91	0.24	97.74
90.0-95.0	4.48	2513.38	0.17	97.91
95.0-100.0	3.87	2517.25	0.15	98.06
100.0-105.0	3.50	2520.75	0.14	98.20
105.0-110.0	3.19	2523.95	0.12	98.32
110.0-115.0	3.03	2526.98	0.12	98.44
115.0-120.0	3.11	2530.08	0.12	98.56
120.0-125.0	3.33	2533.41	0.13	98.69
125.0-130.0	3.57	2536.98	0.14	98.83
130.0-135.0	3.82	2540.80	0.15	98.98
135.0-140.0	4.03	2544.83	0.16	99.14
140.0-145.0	4.12	2548.95	0.16	99.30
145.0-150.0	4.04	2552.99	0.16	99.45
150.0-155.0	3.80	2556.78	0.15	99.60
155.0-160.0	3.38	2560.16	0.13	99.73
160.0-165.0	2.83	2563.00	0.11	99.84
165.0-170.0	2.16	2565.16	0.08	99.93
170.0-175.0	1.37	2566.53	0.05	99.98
175.0-180.0	0.47	2567.00	0.02	100.00

Rectangle ISO Lighting Intensity Diagram

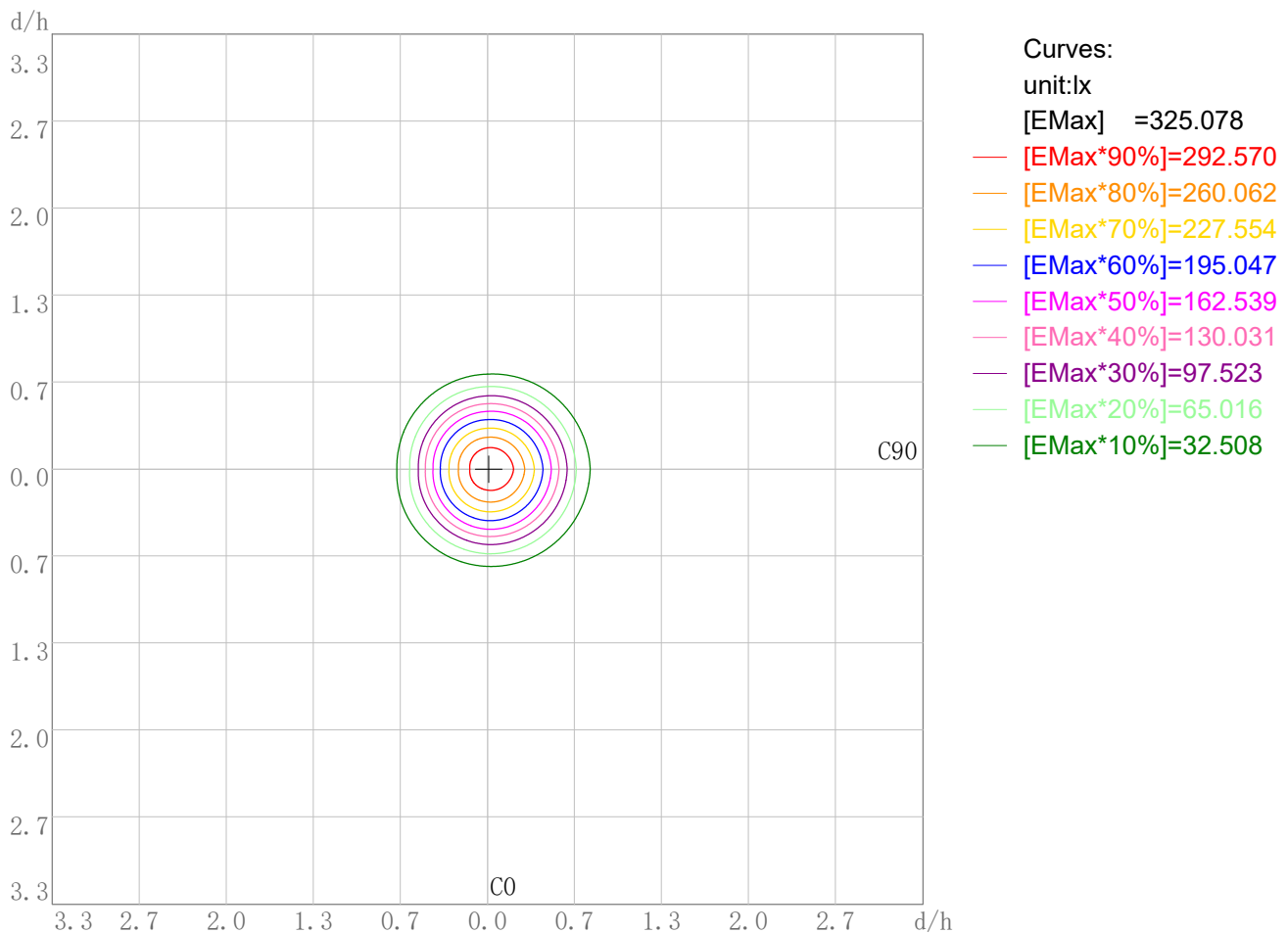
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Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting	Test Machine:GON-2000	Test Date:2022/08/05



Plane ISO-Illuminance Diagram

Lum. Name: DL51-35-XX-01 2700K RA90 60D 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: 2022/08/05

Plane ISO-Illuminance Curve

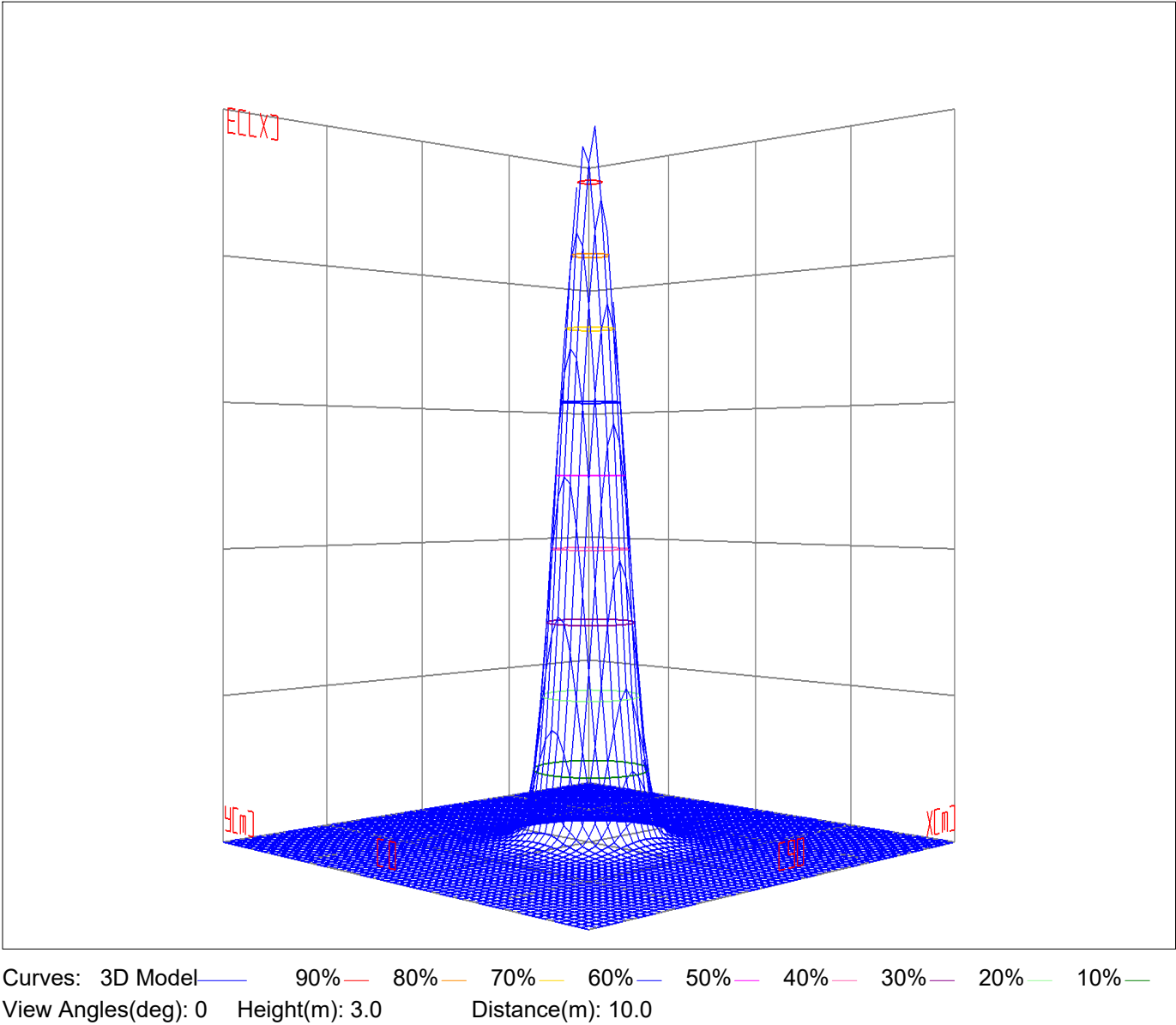


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 325.08
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: DL51-35-XX-01 2700K RA90 60D 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: 2022/08/05

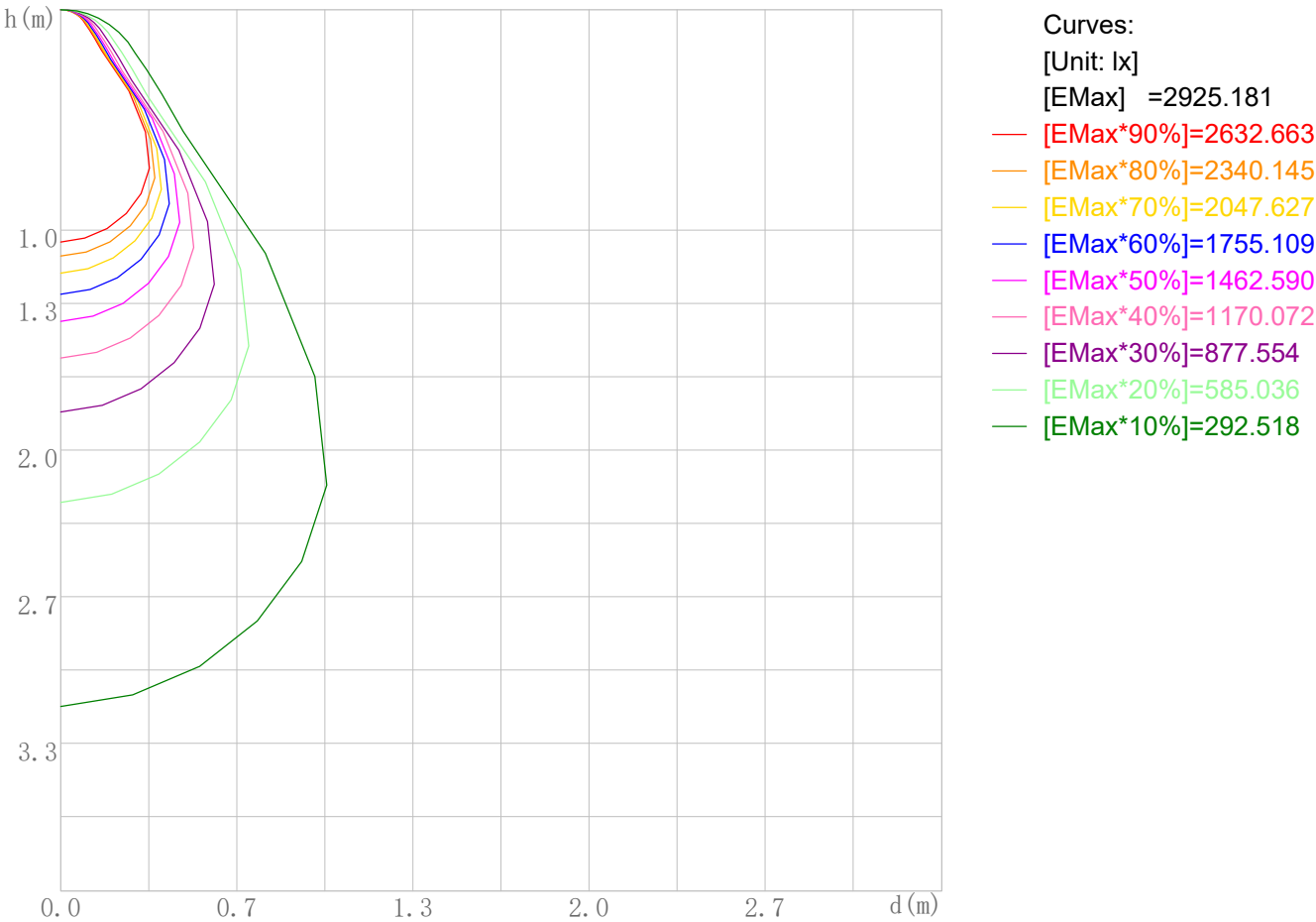
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name:DL51-35-XX-01 2700K RA90 60D 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:2022/08/05

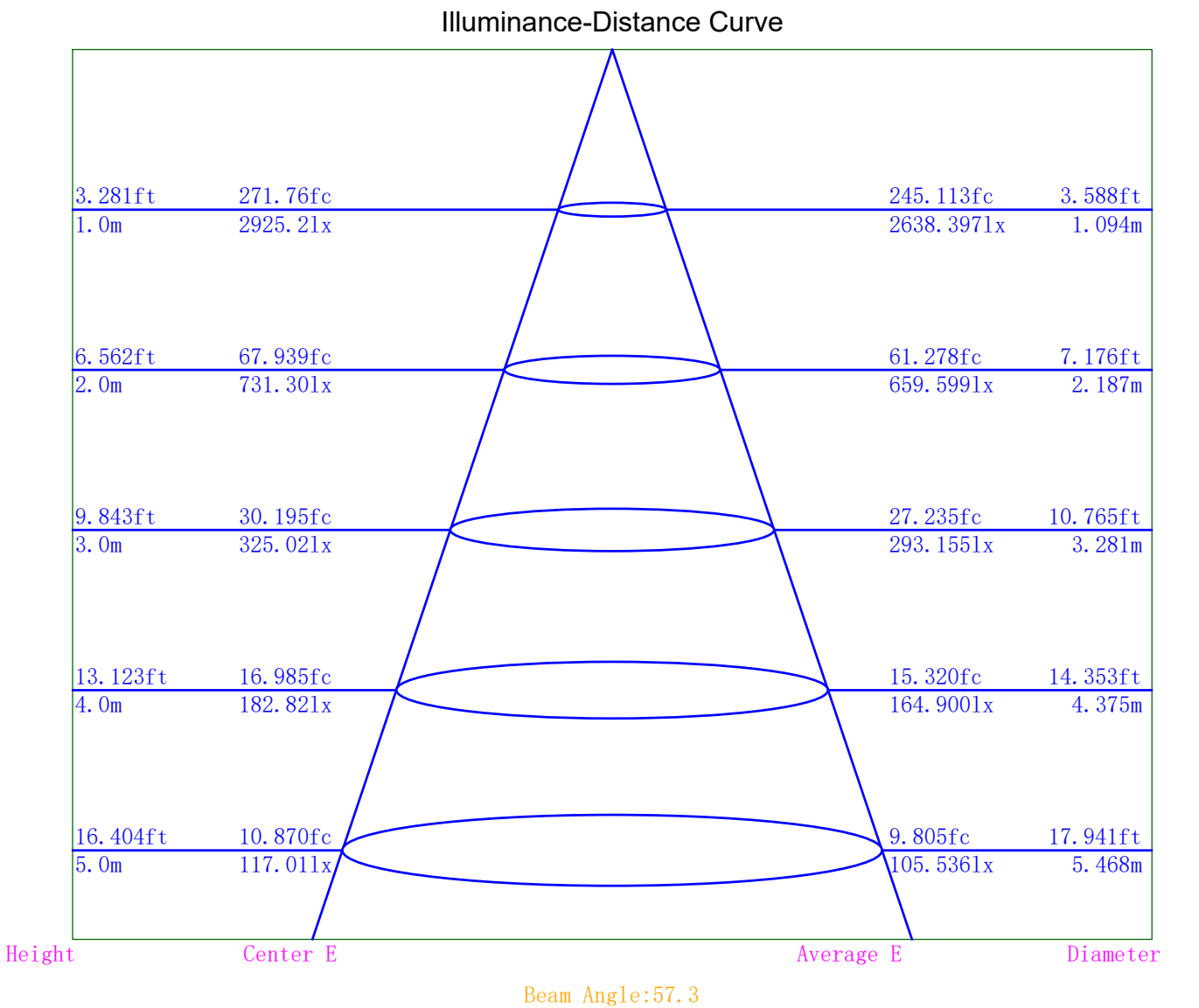
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2925.18lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:2925.181cd,0deg

Illuminance-Distance Diagram

Lum. Name:DL51-35-XX-01 2700K RA90 60D 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:2022/08/05



Indoor Luminance Limiting Curves

Lum. Name:DL51-35-XX-01 2700K RA90 60D 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: 2022/08/05

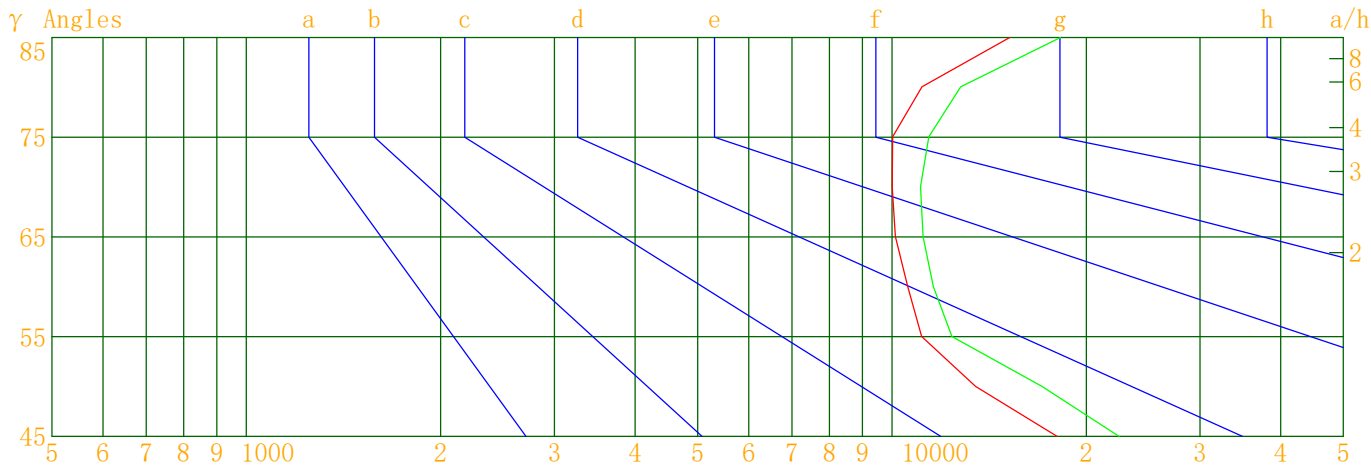
Glare Grade Table

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	18014	13473	11116	10578	10122	10006	10023	11127	15212
C90	22471	17074	12381	11587	11174	11069	11407	12779	18230

Luminance Limiting Curve



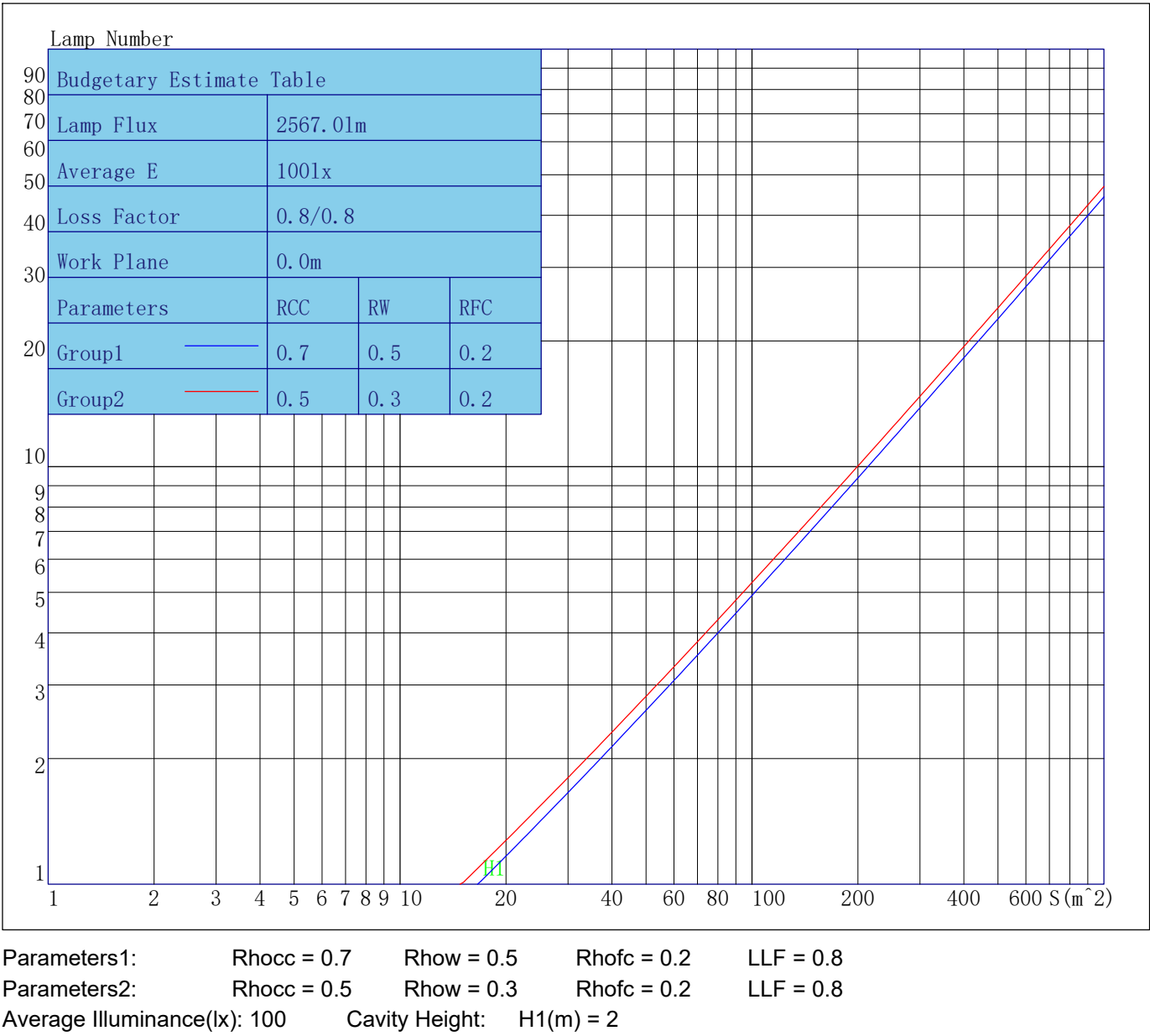
Luminous Size:Length(m)=-0.110Width(m)=-0.110Height(m)=0.000Area(m^2)=0.009503

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 60D 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: 2022/08/05



Indoor Coefficient of Utilization Table

Lum. Name:DL51-35-XX-01 2700K RA90 60D 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:2022/08/05

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	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	112	109	107	104	110	107	105	102	103	101	99	98	97	96	95	93	92	90
2	107	101	97	94	104	99	96	92	96	93	90	93	90	88	89	87	85	84
3	101	94	89	85	99	93	88	84	90	86	82	87	84	81	84	82	79	78
4	96	88	82	78	94	87	81	77	84	80	76	82	78	75	80	77	74	72
5	91	82	76	72	89	81	76	71	79	74	71	77	73	70	75	72	69	67
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	71	68	65	63
7	82	73	67	62	81	72	66	62	70	65	61	69	64	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	58	65	61	57	64	60	57	56
9	74	65	59	55	73	64	58	55	63	58	54	62	57	54	61	57	54	52
10	71	61	55	52	70	61	55	51	60	55	51	59	54	51	58	54	51	49

Unified Glare Rating Table

Lum. Name:DL51-35-XX-01 2700K RA90 60D 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:2022/08/05

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	19.3	20.2	19.7	20.6	20.9	20.9	21.8	21.3	22.2	22.6
	Y=3H	19.6	20.4	20.0	20.8	21.2	21.1	21.9	21.5	22.3	22.7
	Y=4H	19.8	20.6	20.2	21.0	21.4	21.2	22.0	21.7	22.4	22.9
	Y=6H	20.0	20.7	20.5	21.2	21.6	21.4	22.1	21.9	22.6	23.0
	Y=8H	20.2	20.8	20.7	21.3	21.7	21.5	22.2	22.0	22.6	23.1
	Y=12H	20.3	20.9	20.8	21.4	21.9	21.7	22.3	22.2	22.7	23.2
X=4H	Y=2H	19.2	20.0	19.7	20.4	20.8	20.8	21.5	21.2	21.9	22.4
	Y=3H	19.7	20.3	20.2	20.8	21.3	21.1	21.7	21.6	22.2	22.6
	Y=4H	20.1	20.6	20.5	21.1	21.6	21.4	21.9	21.9	22.4	22.9
	Y=6H	20.5	20.9	21.0	21.4	22.0	21.7	22.2	22.2	22.7	23.2
	Y=8H	20.7	21.1	21.2	21.6	22.1	21.9	22.3	22.4	22.8	23.4
	Y=12H	20.9	21.3	21.5	21.8	22.4	22.1	22.5	22.7	23.0	23.6
X=8H	Y=4H	20.1	20.6	20.7	21.1	21.6	21.4	21.8	21.9	22.3	22.8
	Y=6H	20.7	21.0	21.3	21.6	22.1	21.9	22.2	22.4	22.8	23.3
	Y=8H	21.0	21.3	21.6	21.9	22.4	22.2	22.5	22.8	23.0	23.6
	Y=12H	21.4	21.7	22.0	22.2	22.9	22.6	22.8	23.1	23.4	24.0
X=12H	Y=4H	20.1	20.5	20.7	21.0	21.6	21.4	21.7	21.9	22.3	22.8
	Y=6H	20.8	21.0	21.3	21.6	22.2	21.9	22.2	22.5	22.7	23.3
	Y=8H	21.2	21.4	21.7	21.9	22.6	22.3	22.5	22.8	23.1	23.7
Variations with the objerver position at spacings											
S=1.0H		0.2/-0.2					0.2/-0.2				
S=1.5H		0.4/-0.5					0.4/-0.4				
S=2.0H		0.5/-0.6					0.4/-0.5				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		1.8					1.5				

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	2925.18	2925.18	2925.18	2925.18
γ 5.0	2861.87	2933.70	2854.34	2797.97
γ 10.0	2720.33	2830.68	2708.52	2631.74
γ 15.0	2498.02	2669.06	2531.68	2412.32
γ 20.0	2210.45	2439.49	2286.11	2103.88
γ 25.0	1829.55	2119.57	1928.13	1653.35
γ 30.0	1248.84	1588.26	1347.68	1005.08
γ 35.0	650.32	917.10	732.76	506.18
γ 40.0	198.57	414.90	233.35	144.43
γ 45.0	121.05	151.00	115.10	93.28
γ 50.0	82.30	104.30	76.49	59.50
γ 55.0	60.59	67.49	51.35	48.63
γ 60.0	50.26	55.06	44.84	42.25
γ 65.0	40.65	44.88	38.50	35.83
γ 70.0	32.52	35.98	32.10	29.06
γ 75.0	24.65	28.06	25.27	22.30
γ 80.0	18.36	21.09	19.16	16.69
γ 85.0	12.60	15.10	13.86	11.29
γ 90.0	8.27	10.08	9.09	8.19
γ 95.0	7.17	8.01	7.53	7.10
γ 100.0	6.61	7.09	6.91	6.54
γ 105.0	5.83	6.34	6.43	6.56
γ 110.0	5.54	5.85	5.96	6.37
γ 115.0	5.61	5.89	5.86	6.79
γ 120.0	6.83	6.16	6.78	7.18
γ 125.0	7.47	7.13	7.58	8.43
γ 130.0	8.64	8.02	8.79	9.68
γ 135.0	9.94	9.35	10.22	10.90
γ 140.0	11.74	10.80	11.53	12.47
γ 145.0	13.10	11.97	13.13	14.04
γ 150.0	14.24	13.84	14.43	15.07
γ 155.0	15.48	14.98	15.79	16.12
γ 160.0	16.67	16.08	16.65	17.12
γ 165.0	18.02	17.09	17.97	17.98
γ 170.0	18.81	18.22	18.96	18.75
γ 175.0	19.54	19.24	19.61	20.05
γ 180.0	20.01	20.01	20.01	20.01