

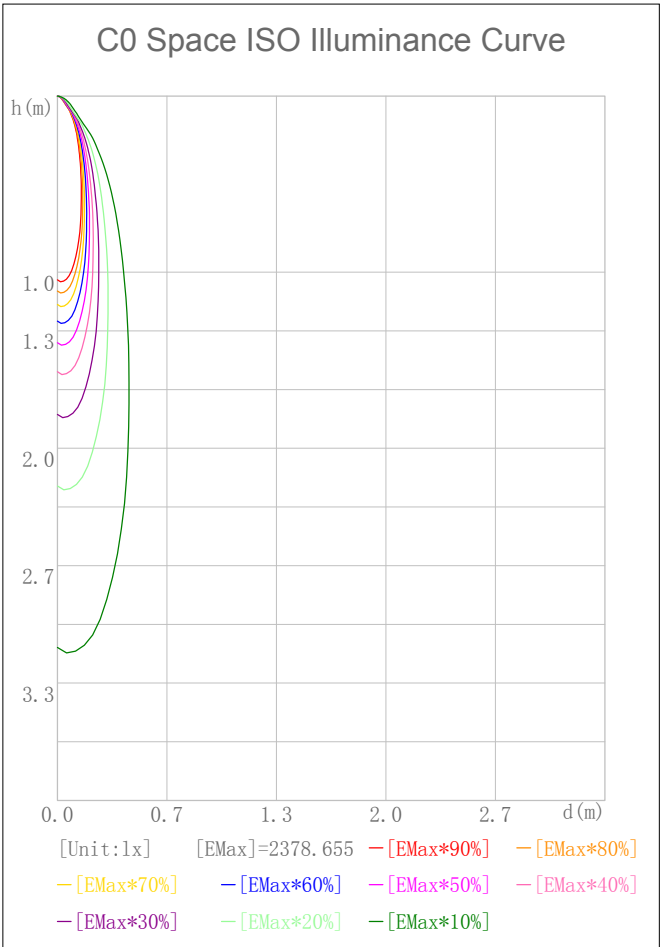
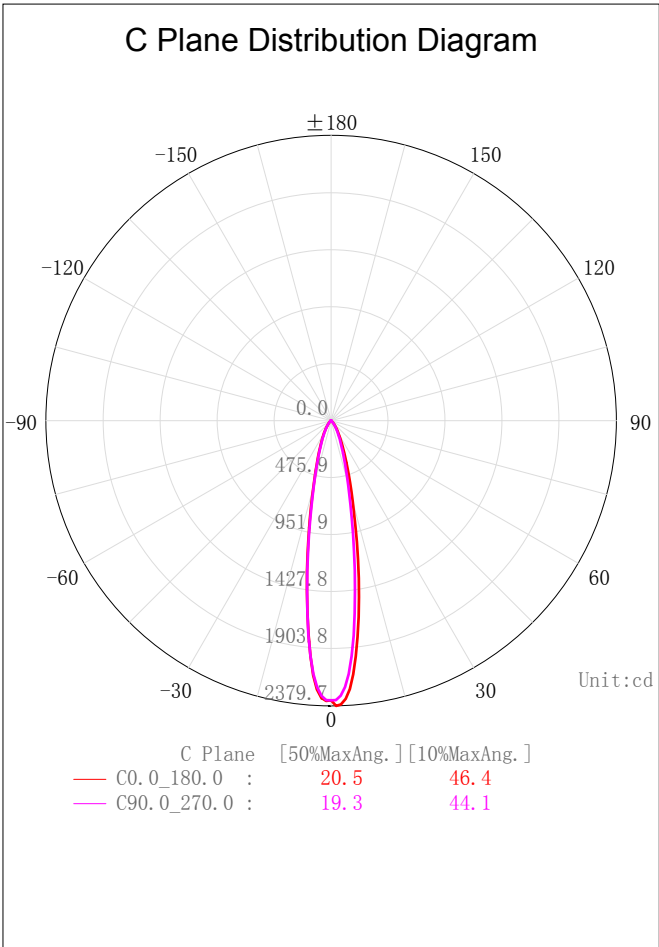
Indoor Luminaire Photometric Data

Description Information

Luminary Name: SD02-06-XX-01 3000K RA90 15D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2021/02/27
Manufacture: Shenzhen Norming Lighting Co.Ltd		Shld.Ang(°):	Test Machine:GON-2000
Test Lab: Quality Department		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.050m*0.000m*0.000m		Lum. Area (m2):0.002	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity(%):

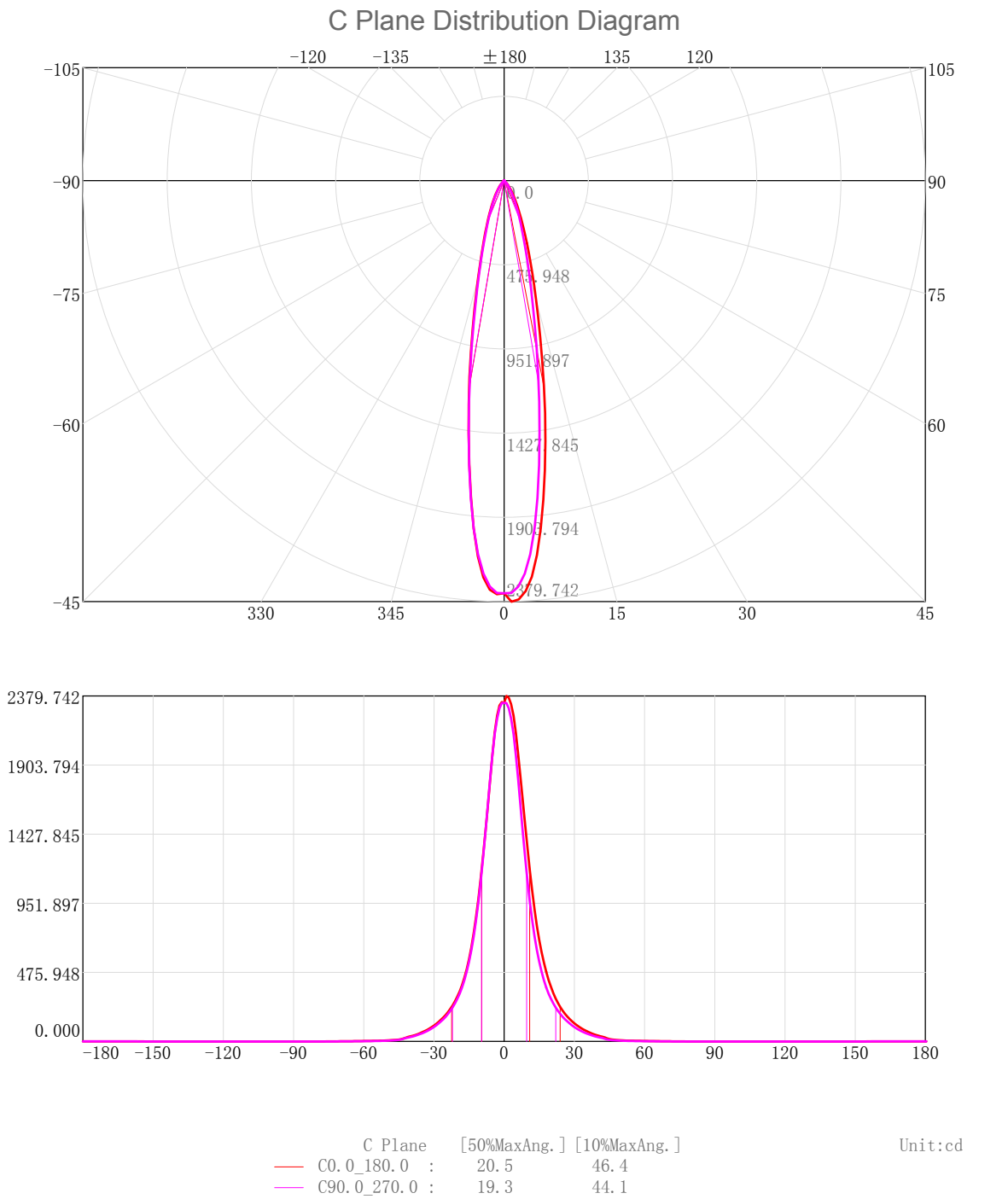
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 481.000	Luminary Flux(lm): 481.395	Field Angle(10%Imax): 46.4(°)	
Rated Power(W):	Luminary Efficiency: 100.08%	Down Lumens&Percent: 480.886lm 99.89%	
Rated Voltage(V):	Luminary EER(lm/W): 83.042	Up Lumens&Percent: 0.509lm 0.11%	
Tested Power(W): 5.797	Max. Candela(cd): 2379.742	S/MH: C0_a180=0.355 C90_270=0.329	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):240.4, 0.027, 0.871	Beam Angle(50%Imax): 20.5(°)	ErP ϕ use(90°): 470.659lm	
Lamp Size (W*L*H):0.050m*0.000m*0.000m	Left=-9.6°, Right=10.9°	IRF(%): 974.768	



2D Plane Light Intensity Distribution Curve

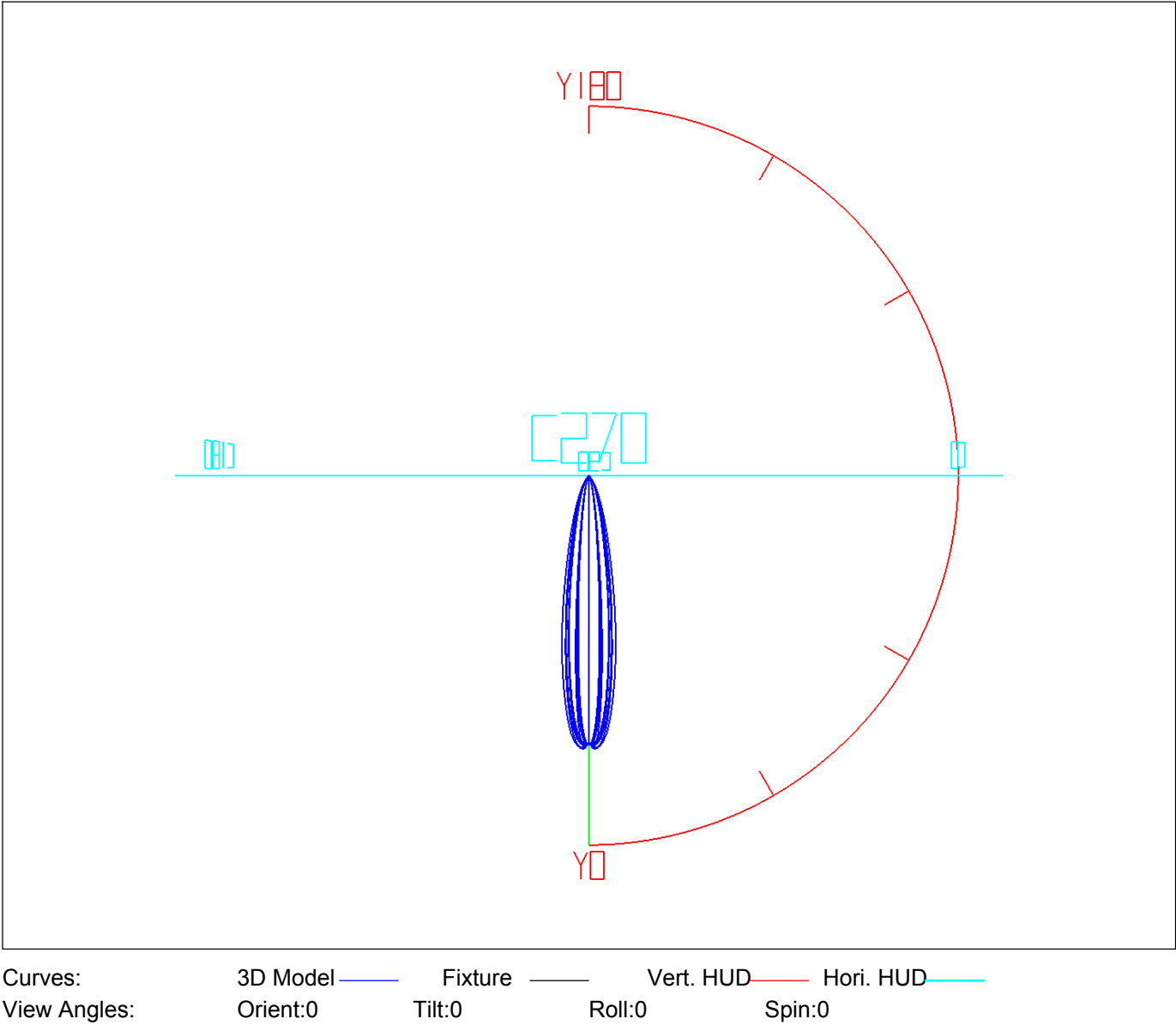
Lum. Name:SD02-06-XX-01 3000K RA90 15D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date:2021/02/27



3D Light Intensity Distribution Modal

Lum. Name:SD02-06-XX-01 3000K RA90 15D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date:2021/02/27

3D Light Intensity Distribution Modal



IES Indoor Report

Photometric Filename:SD02-06-XX-01 3000K RA90 15D.IES

Zonal Flux Tabulation

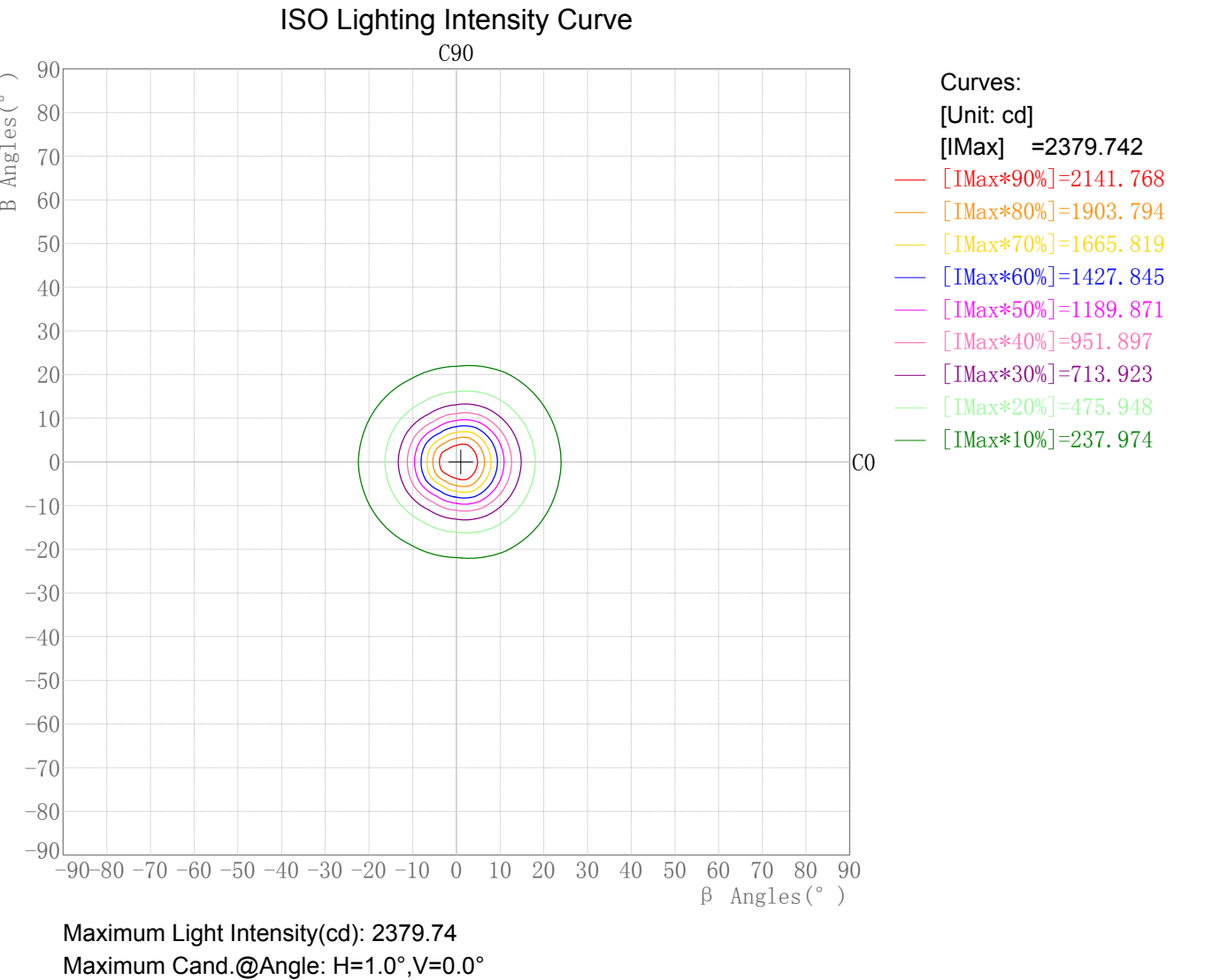
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	2.24	2.24	0.47	0.47	47.0-48.0	0.75	473.21	0.16	98.38
1.0-2.0	6.70	8.94	1.39	1.86	48.0-49.0	0.68	473.89	0.14	98.52
2.0-3.0	10.96	19.90	2.28	4.14	49.0-50.0	0.62	474.51	0.13	98.65
3.0-4.0	14.80	34.70	3.08	7.21	50.0-51.0	0.55	475.06	0.11	98.76
4.0-5.0	17.99	52.69	3.74	10.95	51.0-52.0	0.49	475.55	0.10	98.87
5.0-6.0	20.39	73.08	4.24	15.19	52.0-53.0	0.45	476.00	0.09	98.96
6.0-7.0	21.96	95.04	4.57	19.76	53.0-54.0	0.42	476.41	0.09	99.05
7.0-8.0	22.83	117.87	4.75	24.51	54.0-55.0	0.39	476.81	0.08	99.13
8.0-9.0	23.08	140.95	4.80	29.30	55.0-56.0	0.37	477.17	0.08	99.20
9.0-10.0	22.79	163.75	4.74	34.04	56.0-57.0	0.35	477.52	0.07	99.28
10.0-11.0	22.08	185.82	4.59	38.63	57.0-58.0	0.33	477.85	0.07	99.34
11.0-12.0	21.04	206.86	4.37	43.01	58.0-59.0	0.31	478.16	0.06	99.41
12.0-13.0	19.85	226.71	4.13	47.13	59.0-60.0	0.29	478.44	0.06	99.47
13.0-14.0	18.62	245.33	3.87	51.00	60.0-61.0	0.27	478.71	0.06	99.52
14.0-15.0	17.44	262.77	3.63	54.63	61.0-62.0	0.25	478.96	0.05	99.58
15.0-16.0	16.31	279.08	3.39	58.02	62.0-63.0	0.23	479.19	0.05	99.62
16.0-17.0	15.25	294.33	3.17	61.19	63.0-64.0	0.22	479.41	0.04	99.67
17.0-18.0	14.24	308.57	2.96	64.15	64.0-65.0	0.20	479.61	0.04	99.71
18.0-19.0	13.29	321.86	2.76	66.91	65.0-66.0	0.18	479.79	0.04	99.75
19.0-20.0	12.42	334.28	2.58	69.50	66.0-67.0	0.17	479.96	0.03	99.78
20.0-21.0	11.61	345.88	2.41	71.91	67.0-68.0	0.15	480.11	0.03	99.82
21.0-22.0	10.85	356.73	2.26	74.16	68.0-69.0	0.14	480.25	0.03	99.84
22.0-23.0	10.14	366.88	2.11	76.27	69.0-70.0	0.12	480.38	0.03	99.87
23.0-24.0	9.49	376.37	1.97	78.25	70.0-71.0	0.11	480.49	0.02	99.89
24.0-25.0	8.88	385.24	1.85	80.09	71.0-72.0	0.10	480.58	0.02	99.91
25.0-26.0	8.30	393.54	1.72	81.82	72.0-73.0	0.08	480.66	0.02	99.93
26.0-27.0	7.74	401.28	1.61	83.43	73.0-74.0	0.06	480.72	0.01	99.94
27.0-28.0	7.21	408.49	1.50	84.93	74.0-75.0	0.05	480.77	0.01	99.95
28.0-29.0	6.70	415.19	1.39	86.32	75.0-76.0	0.04	480.81	0.01	99.96
29.0-30.0	6.21	421.40	1.29	87.61	76.0-77.0	0.03	480.84	0.01	99.97
30.0-31.0	5.75	427.15	1.20	88.81	77.0-78.0	0.02	480.86	0.00	99.97
31.0-32.0	5.32	432.47	1.11	89.91	78.0-79.0	0.01	480.87	0.00	99.97
32.0-33.0	4.90	437.38	1.02	90.93	79.0-80.0	0.01	480.88	0.00	99.98
33.0-34.0	4.51	441.89	0.94	91.87	80.0-81.0	0.00	480.89	0.00	99.98
34.0-35.0	4.14	446.02	0.86	92.73	81.0-82.0	0.00	480.89	0.00	99.98
35.0-36.0	3.78	449.80	0.79	93.51	82.0-83.0	0.00	480.89	0.00	99.98
36.0-37.0	3.45	453.25	0.72	94.23	83.0-84.0	0.00	480.89	0.00	99.98
37.0-38.0	3.13	456.38	0.65	94.88	84.0-85.0	0.00	480.89	0.00	99.98
38.0-39.0	2.83	459.21	0.59	95.47	85.0-86.0	0.00	480.89	0.00	99.98
39.0-40.0	2.56	461.77	0.53	96.00	86.0-87.0	0.00	480.89	0.00	99.98
40.0-41.0	2.33	464.11	0.48	96.49	87.0-88.0	0.00	480.89	0.00	99.98
41.0-42.0	2.10	466.21	0.44	96.92	88.0-89.0	0.00	480.89	0.00	99.98
42.0-43.0	1.81	468.02	0.38	97.30	89.0-90.0	0.00	480.89	0.00	99.98
43.0-44.0	1.47	469.49	0.31	97.61	90.0-91.0	0.00	480.89	0.00	99.98
44.0-45.0	1.17	470.66	0.24	97.85	91.0-92.0	0.00	480.89	0.00	99.98
45.0-46.0	0.97	471.63	0.20	98.05	92.0-93.0	0.00	480.89	0.00	99.98
46.0-47.0	0.84	472.46	0.17	98.23	93.0-94.0	0.00	480.89	0.00	99.98

Zonal Flux Tabulation - (Cont.)

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.00	480.89	0.00	99.98	141.0-142.0	0.00	480.89	0.00	99.98
95.0-96.0	0.00	480.89	0.00	99.98	142.0-143.0	0.00	480.89	0.00	99.98
96.0-97.0	0.00	480.89	0.00	99.98	143.0-144.0	0.00	480.89	0.00	99.98
97.0-98.0	0.00	480.89	0.00	99.98	144.0-145.0	0.00	480.89	0.00	99.98
98.0-99.0	0.00	480.89	0.00	99.98	145.0-146.0	0.00	480.89	0.00	99.98
99.0-100.0	0.00	480.89	0.00	99.98	146.0-147.0	0.00	480.89	0.00	99.98
100.0-101.0	0.00	480.89	0.00	99.98	147.0-148.0	0.00	480.89	0.00	99.98
101.0-102.0	0.00	480.89	0.00	99.98	148.0-149.0	0.00	480.89	0.00	99.98
102.0-103.0	0.00	480.89	0.00	99.98	149.0-150.0	0.01	480.89	0.00	99.98
103.0-104.0	0.00	480.89	0.00	99.98	150.0-151.0	0.01	480.90	0.00	99.98
104.0-105.0	0.00	480.89	0.00	99.98	151.0-152.0	0.01	480.92	0.00	99.98
105.0-106.0	0.00	480.89	0.00	99.98	152.0-153.0	0.02	480.93	0.00	99.99
106.0-107.0	0.00	480.89	0.00	99.98	153.0-154.0	0.02	480.95	0.00	99.99
107.0-108.0	0.00	480.89	0.00	99.98	154.0-155.0	0.02	480.97	0.00	99.99
108.0-109.0	0.00	480.89	0.00	99.98	155.0-156.0	0.02	481.00	0.00	100.00
109.0-110.0	0.00	480.89	0.00	99.98	156.0-157.0	0.02	481.02	0.01	100.00
110.0-111.0	0.00	480.89	0.00	99.98	157.0-158.0	0.03	481.05	0.01	100.01
111.0-112.0	0.00	480.89	0.00	99.98	158.0-159.0	0.03	481.07	0.01	100.02
112.0-113.0	0.00	480.89	0.00	99.98	159.0-160.0	0.03	481.10	0.01	100.02
113.0-114.0	0.00	480.89	0.00	99.98	160.0-161.0	0.03	481.12	0.01	100.03
114.0-115.0	0.00	480.89	0.00	99.98	161.0-162.0	0.03	481.15	0.01	100.03
115.0-116.0	0.00	480.89	0.00	99.98	162.0-163.0	0.03	481.18	0.01	100.04
116.0-117.0	0.00	480.89	0.00	99.98	163.0-164.0	0.02	481.20	0.01	100.04
117.0-118.0	0.00	480.89	0.00	99.98	164.0-165.0	0.02	481.22	0.00	100.05
118.0-119.0	0.00	480.89	0.00	99.98	165.0-166.0	0.02	481.25	0.00	100.05
119.0-120.0	0.00	480.89	0.00	99.98	166.0-167.0	0.02	481.27	0.00	100.06
120.0-121.0	0.00	480.89	0.00	99.98	167.0-168.0	0.02	481.29	0.00	100.06
121.0-122.0	0.00	480.89	0.00	99.98	168.0-169.0	0.02	481.30	0.00	100.06
122.0-123.0	0.00	480.89	0.00	99.98	169.0-170.0	0.02	481.32	0.00	100.07
123.0-124.0	0.00	480.89	0.00	99.98	170.0-171.0	0.01	481.34	0.00	100.07
124.0-125.0	0.00	480.89	0.00	99.98	171.0-172.0	0.01	481.35	0.00	100.07
125.0-126.0	0.00	480.89	0.00	99.98	172.0-173.0	0.01	481.36	0.00	100.07
126.0-127.0	0.00	480.89	0.00	99.98	173.0-174.0	0.01	481.37	0.00	100.08
127.0-128.0	0.00	480.89	0.00	99.98	174.0-175.0	0.01	481.38	0.00	100.08
128.0-129.0	0.00	480.89	0.00	99.98	175.0-176.0	0.01	481.38	0.00	100.08
129.0-130.0	0.00	480.89	0.00	99.98	176.0-177.0	0.00	481.39	0.00	100.08
130.0-131.0	0.00	480.89	0.00	99.98	177.0-178.0	0.00	481.39	0.00	100.08
131.0-132.0	0.00	480.89	0.00	99.98	178.0-179.0	0.00	481.39	0.00	100.08
132.0-133.0	0.00	480.89	0.00	99.98	179.0-180.0	0.00	481.40	0.00	100.08
133.0-134.0	0.00	480.89	0.00	99.98					
134.0-135.0	0.00	480.89	0.00	99.98					
135.0-136.0	0.00	480.89	0.00	99.98					
136.0-137.0	0.00	480.89	0.00	99.98					
137.0-138.0	0.00	480.89	0.00	99.98					
138.0-139.0	0.00	480.89	0.00	99.98					
139.0-140.0	0.00	480.89	0.00	99.98					
140.0-141.0	0.00	480.89	0.00	99.98					

Rectangle ISO Lighting Intensity Diagram

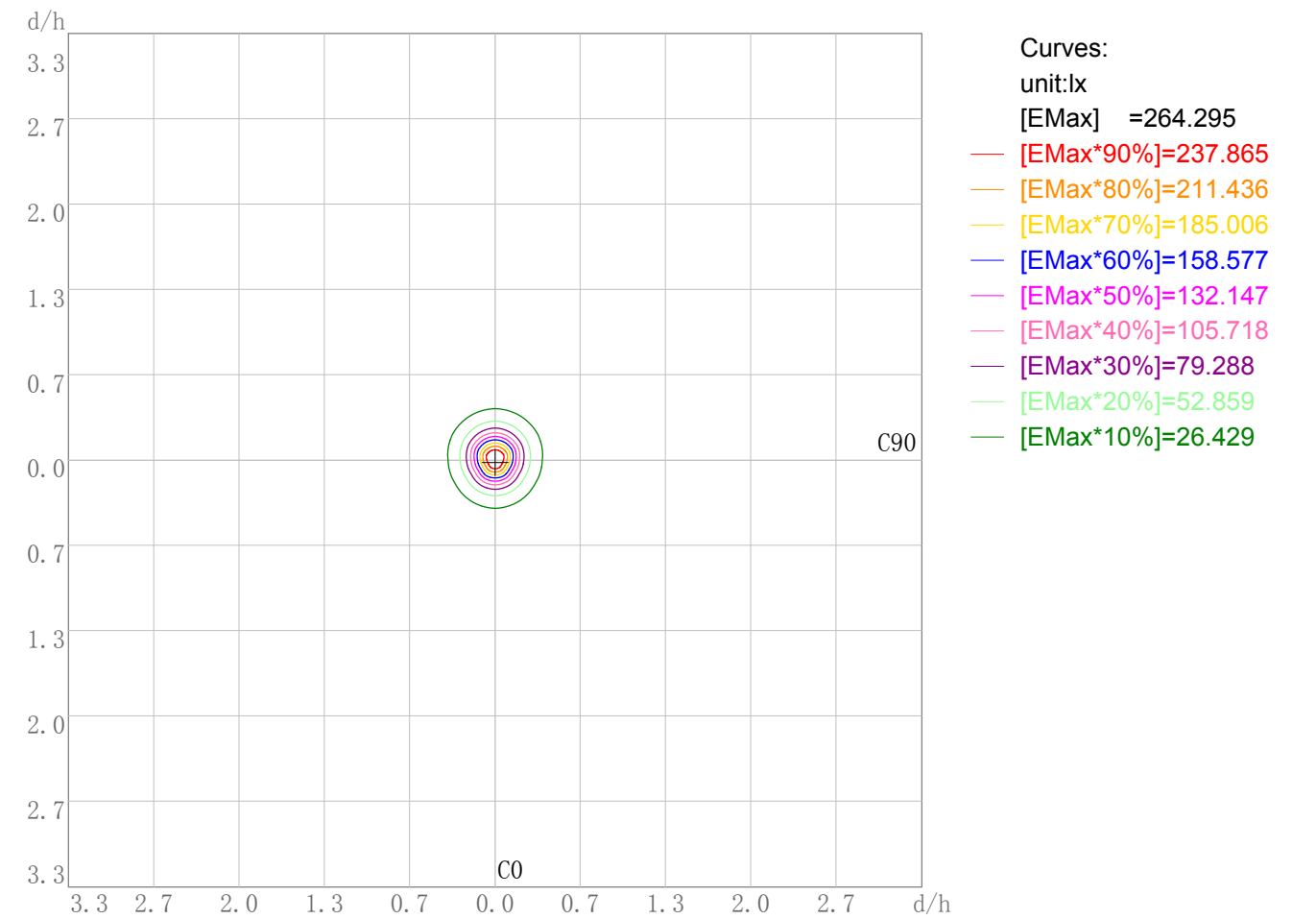
Lum. Name: SD02-06-XX-01 3000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/02/27



Plane ISO-Illuminance Diagram

Lum. Name: SD02-06-XX-01 3000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/02/27

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 264.29
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

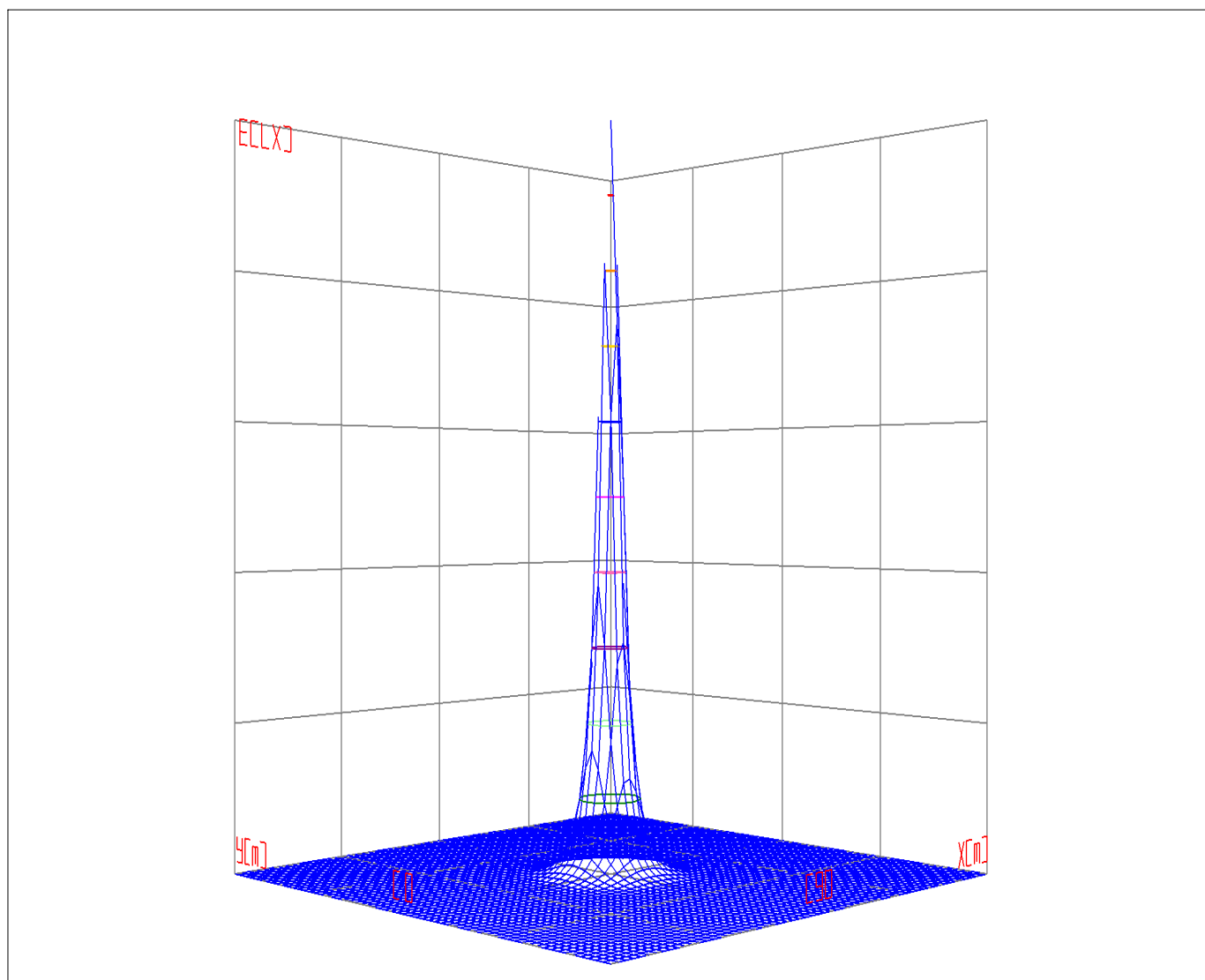
IES Indoor Report

Photometric Filename:SD02-06-XX-01 3000K RA90 15D.IES

3D Plane ISO Illuminance Diagram

Lum. Name: SD02-06-XX-01 3000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/02/27

3D Plane Illuminance Modal

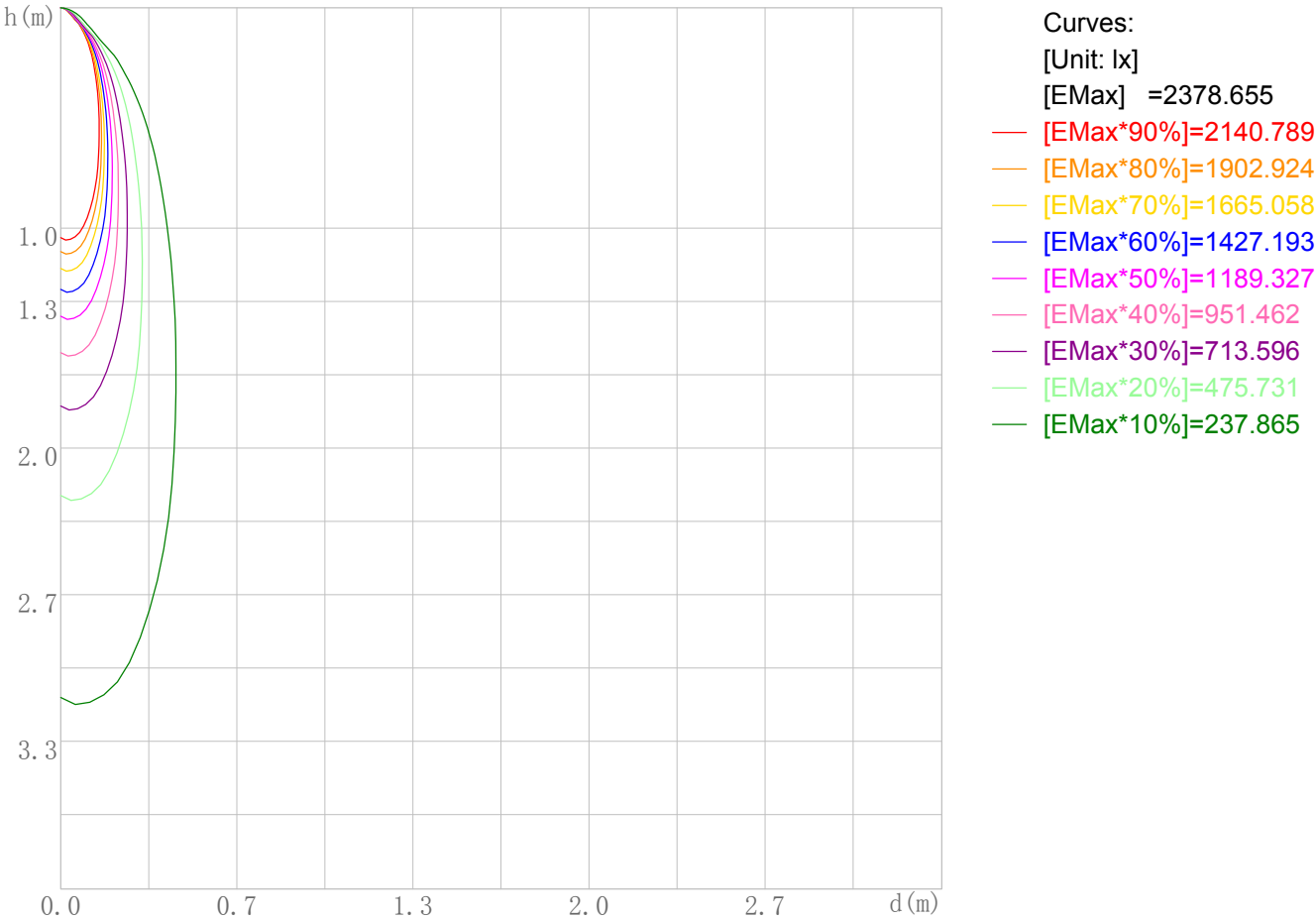


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: SD02-06-XX-01 3000K RA90 15D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/02/27

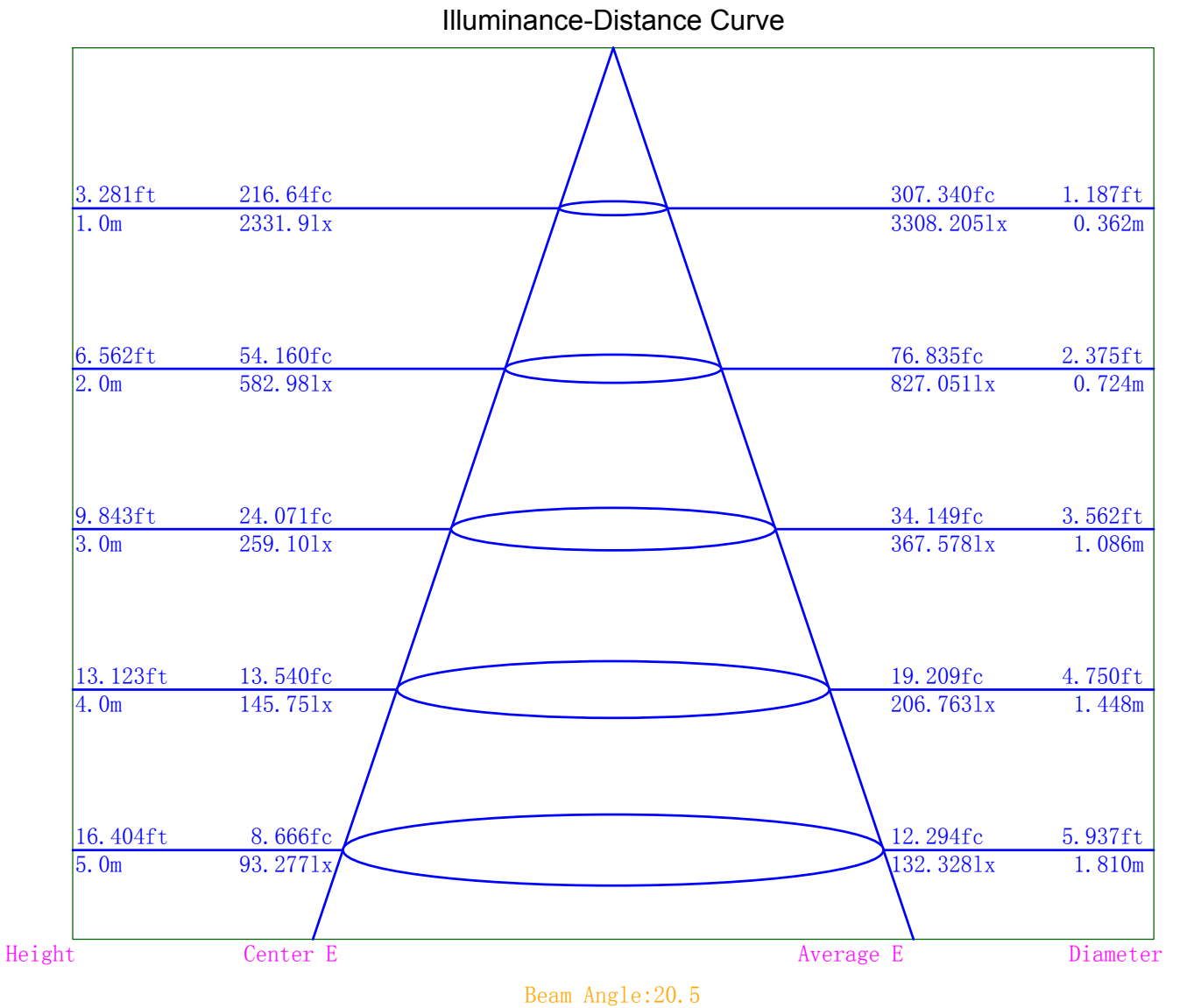
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2378.65lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:2379.742cd,0eg

Illuminance-Distance Diagram

Lum. Name:SD02-06-XX-01 3000K RA90 15D	Lum. Catelog:	Test ID:01
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date:2021/02/27



Indoor Luminance Limiting Curves

Lum. Name: SD02-06-XX-01 3000K RA90 15D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/02/27

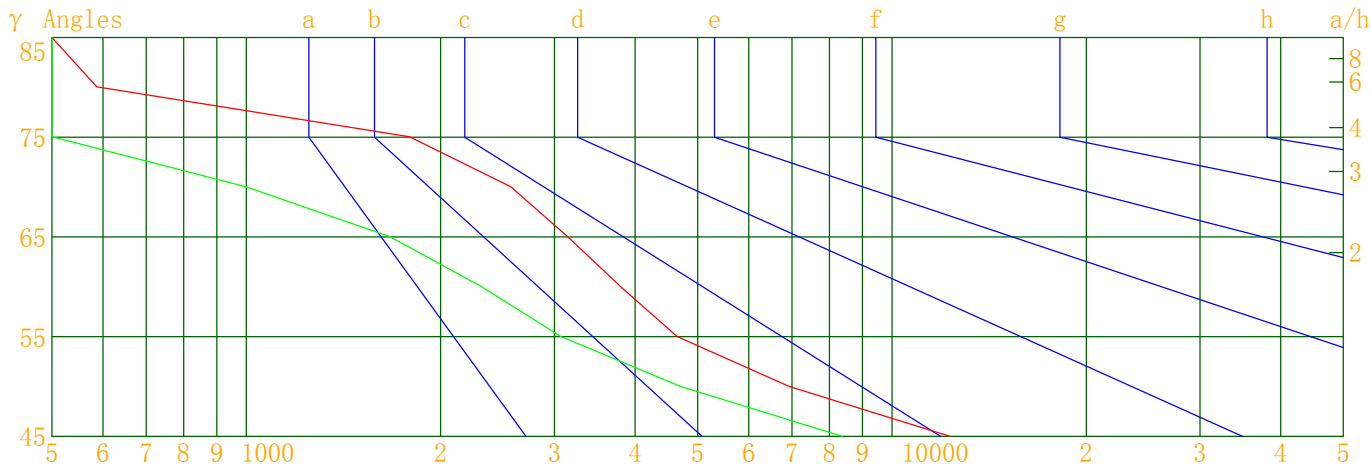
Glare Grade Table

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	12295	6930	4647	3798	3144	2567	1789	587	0
C90	8378	4706	3070	2313	1668	998	0	0	0

Luminance Limiting Curve



Luminous Size:

Length(m)=0.000

Width(m)=-0.050

Height(m)=0.000

Area(m^2)=0.001963

Luminous Type:

Without Luminous Side

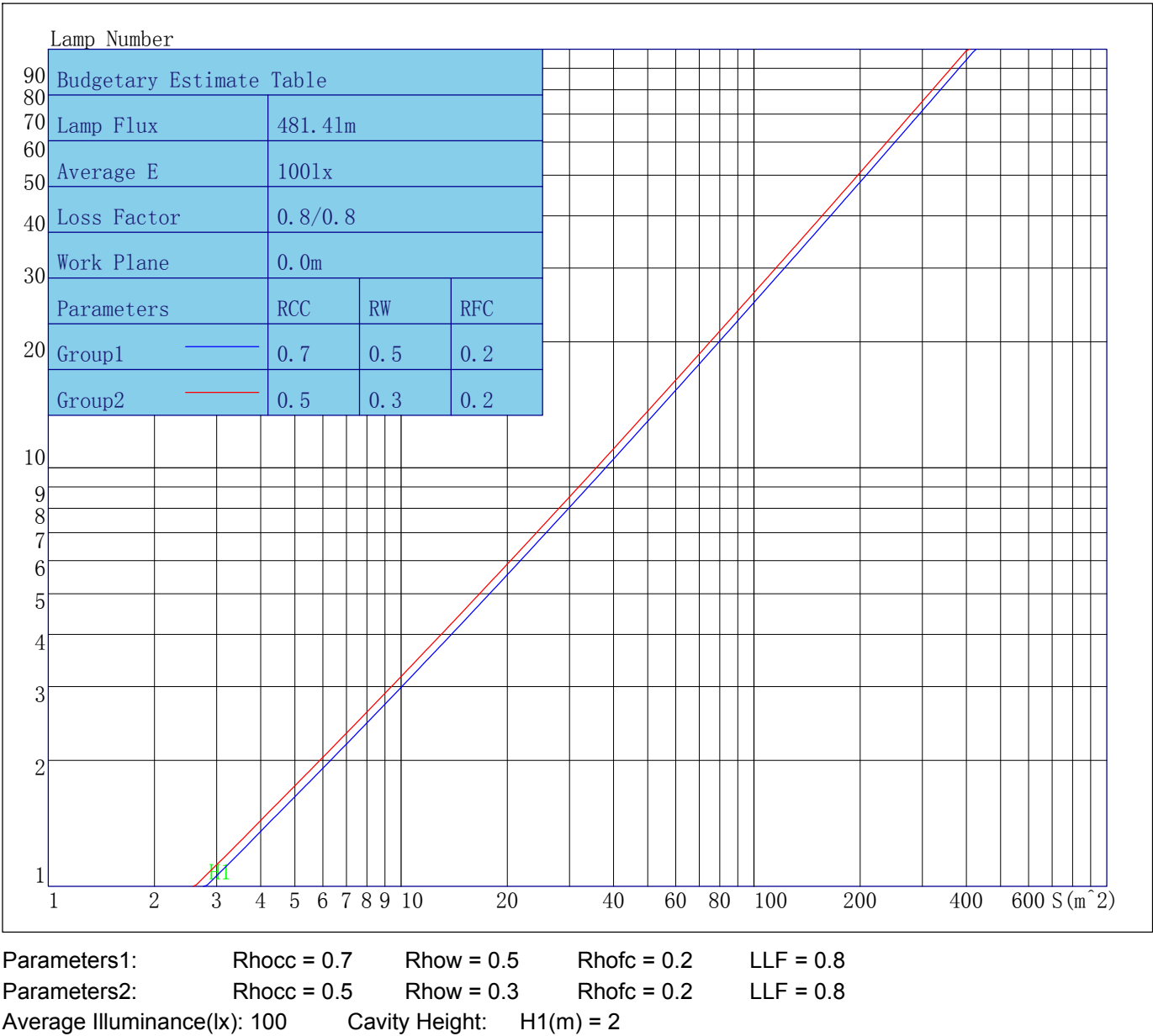
Luminous Curves:

C0-C180 Color: —

C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name:SD02-06-XX-01 3000K RA90 15D	Lum. Catalog:	Test ID:01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/02/27



Indoor Coefficient of Utilization Table

Lum. Name: SD02-06-XX-01 3000K RA90 15D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catelog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/02/27

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	83	81
6	96	89	85	81	95	89	84	81	87	83	81	86	83	80	85	82	80	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	78	75	89	82	78	75	82	78	75	81	77	75	80	77	74	73
9	88	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
10	85	78	73	70	84	77	73	70	77	73	70	76	73	70	75	72	70	69

Unified Glare Rating Table

Lum. Name: SD02-06-XX-01 3000K RA90 15D	Lum. Catelog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/02/27

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	15.0	15.9	15.3	16.2	16.5	13.9	14.8	14.3	15.1	15.5
	14.9	15.7	15.3	16.0	16.4	13.8	14.6	14.2	14.9	15.3
	14.8	15.6	15.2	15.9	16.3	13.7	14.4	14.1	14.8	15.2
	14.7	15.4	15.1	15.8	16.2	13.6	14.3	14.0	14.6	15.0
	14.7	15.3	15.1	15.7	16.1	13.5	14.2	14.0	14.6	15.0
	14.6	15.2	15.0	15.6	16.0	13.5	14.1	13.9	14.5	14.9
X=4H Y=2H	14.7	15.5	15.1	15.8	16.2	13.7	14.4	14.1	14.8	15.2
	14.6	15.3	15.1	15.7	16.1	13.6	14.2	14.0	14.6	15.0
	14.6	15.1	15.0	15.5	16.0	13.5	14.0	13.9	14.5	14.9
	14.5	14.9	14.9	15.4	15.9	13.4	13.9	13.9	14.3	14.8
	14.4	14.8	14.9	15.3	15.7	13.3	13.7	13.8	14.2	14.7
	14.3	14.7	14.8	15.2	15.7	13.2	13.6	13.7	14.1	14.6
X=8H Y=4H	14.4	14.8	14.9	15.3	15.8	13.3	13.8	13.8	14.2	14.7
	14.3	14.6	14.8	15.1	15.6	13.2	13.5	13.7	14.1	14.6
	14.2	14.5	14.7	15.0	15.5	13.1	13.4	13.7	14.0	14.5
	14.1	14.4	14.7	14.9	15.5	13.1	13.3	13.6	13.8	14.4
X=12H Y=4H	14.3	14.7	14.8	15.2	15.7	13.3	13.6	13.8	14.1	14.6
	14.2	14.5	14.7	15.0	15.5	13.1	13.4	13.7	13.9	14.5
	14.1	14.4	14.7	14.9	15.5	13.1	13.3	13.6	13.8	14.4
Variations with the objerver position at spacings										
S=1.0H	1.6/-2.1					2.2/-3.6				
S=1.5H	2.6/-3.8					3.2/-5.3				
S=2.0H	3.7/-6.2					4.0/-7.0				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	0.1					0.1				

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

IES Indoor Report

Photometric Filename:SD02-06-XX-01 3000K RA90 15D.IES

Candela Tabulation

V/H	C0. 0	C30. 0	C60. 0	C90. 0	C120. 0	C150. 0	C180. 0
γ 0. 0	2331. 92	2331. 92	2331. 92	2331. 92	2331. 92	2331. 92	2331. 92
γ 1. 0	2379. 74	2358. 57	2344. 79	2331. 07	2341. 90	2339. 42	2337. 87
γ 2. 0	2367. 85	2351. 46	2337. 27	2295. 55	2292. 32	2315. 80	2313. 48
γ 3. 0	2323. 10	2310. 19	2295. 70	2224. 59	2205. 33	2246. 72	2245. 33
γ 4. 0	2243. 93	2229. 11	2218. 31	2117. 28	2076. 74	2131. 40	2129. 32
γ 5. 0	2124. 38	2114. 21	2101. 77	1971. 81	1915. 32	1983. 30	1972. 70
γ 6. 0	1976. 24	1968. 32	1949. 38	1803. 19	1729. 76	1807. 41	1793. 85
γ 7. 0	1816. 88	1807. 26	1781. 48	1619. 46	1538. 18	1627. 57	1613. 43
γ 8. 0	1654. 93	1644. 48	1607. 75	1437. 68	1361. 13	1449. 69	1441. 48
γ 9. 0	1491. 71	1478. 73	1431. 47	1265. 88	1194. 03	1280. 77	1279. 87
γ 10. 0	1333. 87	1316. 31	1261. 09	1106. 37	1039. 76	1122. 30	1127. 36
γ 11. 0	1178. 16	1159. 36	1102. 44	961. 66	901. 05	973. 94	984. 06
γ 12. 0	1033. 90	1011. 88	957. 82	832. 45	779. 85	843. 31	855. 06
γ 13. 0	906. 28	881. 35	829. 24	721. 90	678. 06	729. 26	743. 56
γ 14. 0	794. 33	769. 40	720. 94	628. 41	591. 13	633. 50	647. 26
γ 15. 0	698. 55	674. 41	629. 66	549. 45	518. 39	552. 67	566. 55
γ 16. 0	616. 17	593. 10	552. 23	481. 38	455. 64	483. 67	497. 02
γ 17. 0	544. 88	522. 47	486. 77	422. 42	402. 06	425. 69	438. 91
γ 18. 0	480. 20	460. 89	429. 77	372. 68	355. 93	376. 67	388. 12
γ 19. 0	424. 20	407. 10	381. 04	330. 42	316. 13	334. 21	345. 67
γ 20. 0	375. 98	361. 04	339. 41	293. 91	282. 31	298. 22	308. 42
γ 21. 0	333. 08	320. 87	302. 41	262. 48	252. 66	266. 63	276. 25
γ 22. 0	296. 28	285. 48	270. 67	234. 77	226. 94	238. 88	248. 56
γ 23. 0	264. 79	254. 61	242. 76	210. 72	204. 25	214. 64	224. 44
γ 24. 0	236. 82	228. 17	218. 33	189. 57	184. 05	193. 18	202. 50
γ 25. 0	212. 12	204. 85	196. 44	170. 67	165. 90	174. 15	182. 91
γ 26. 0	190. 88	183. 92	177. 22	153. 46	149. 34	157. 30	165. 40
γ 27. 0	171. 62	165. 33	159. 69	137. 82	134. 59	141. 51	149. 30
γ 28. 0	154. 62	148. 44	143. 60	123. 73	121. 18	127. 23	134. 76
γ 29. 0	139. 26	133. 34	129. 25	110. 97	109. 00	114. 37	121. 42
γ 30. 0	125. 16	119. 75	116. 19	99. 42	97. 96	102. 74	109. 49
γ 31. 0	112. 65	107. 38	104. 54	89. 05	87. 98	92. 18	98. 45
γ 32. 0	101. 53	96. 31	93. 95	79. 85	79. 00	82. 73	88. 51
γ 33. 0	91. 32	86. 37	84. 35	71. 45	70. 75	73. 85	79. 36
γ 34. 0	82. 07	77. 12	75. 67	63. 78	63. 29	65. 92	71. 02
γ 35. 0	73. 36	68. 72	67. 78	56. 72	56. 57	58. 67	63. 50
γ 36. 0	65. 49	61. 00	60. 38	50. 45	50. 49	52. 18	56. 72
γ 37. 0	58. 63	54. 23	54. 01	44. 81	44. 73	46. 14	50. 26
γ 38. 0	52. 03	48. 02	48. 05	39. 39	39. 59	40. 63	44. 52
γ 39. 0	45. 95	42. 15	42. 47	34. 76	35. 35	35. 92	39. 73
γ 40. 0	40. 95	37. 09	37. 79	30. 94	31. 68	31. 94	35. 53
γ 41. 0	36. 71	32. 90	33. 82	27. 62	28. 30	28. 39	31. 72
γ 42. 0	32. 92	29. 25	30. 28	24. 25	23. 57	24. 42	26. 57
γ 43. 0	28. 57	25. 58	26. 25	19. 01	18. 19	18. 57	20. 23
γ 44. 0	21. 76	19. 56	20. 29	14. 45	14. 65	14. 05	15. 93
γ 45. 0	17. 07	14. 62	15. 92	11. 63	12. 31	11. 30	13. 22
γ 46. 0	14. 10	11. 65	13. 20	9. 73	10. 77	9. 50	11. 46

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