

# IES Indoor Report

Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

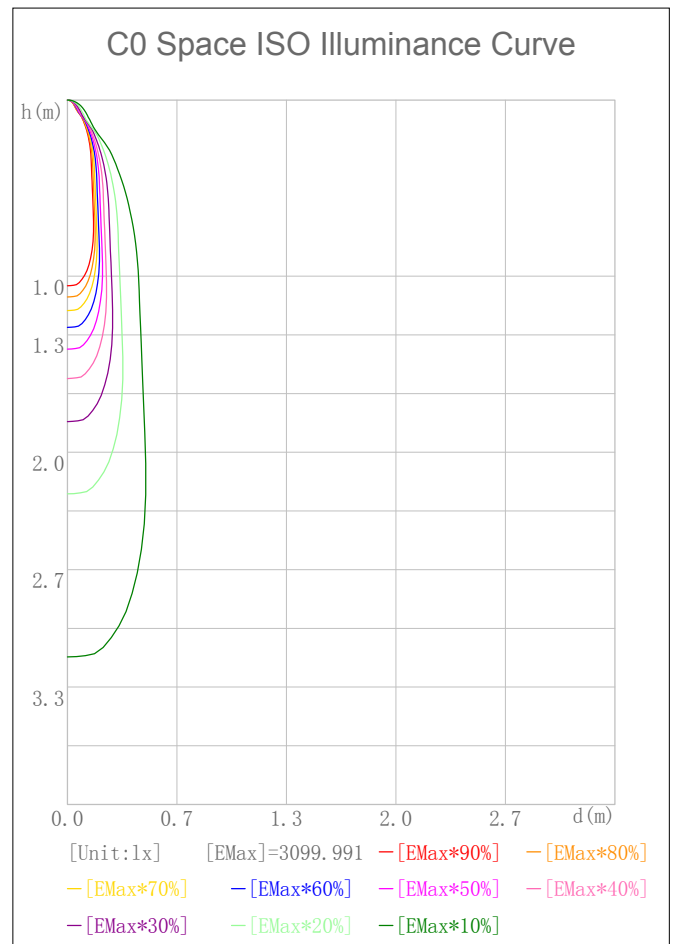
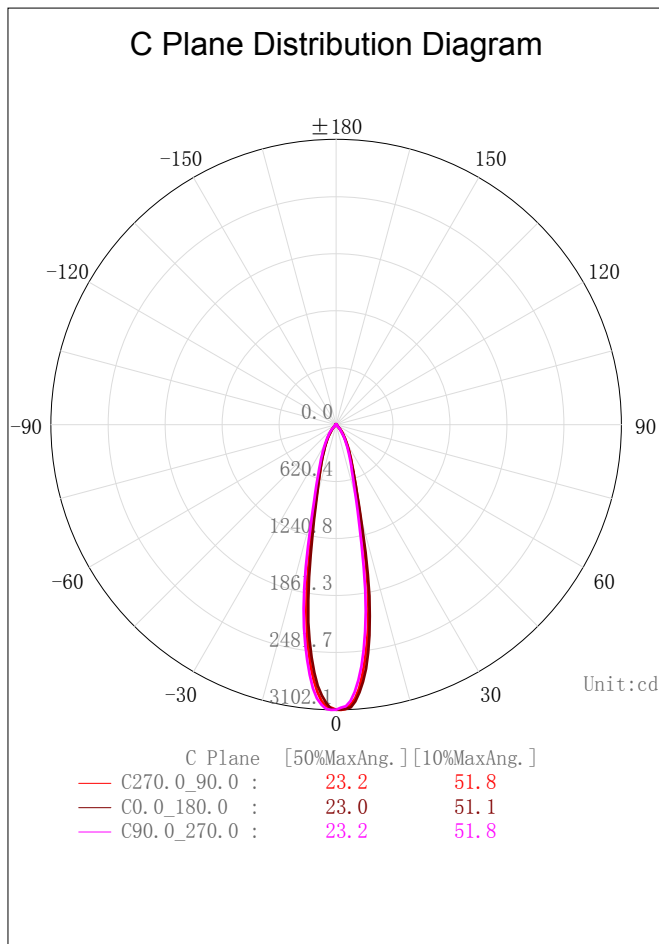
## Indoor Luminaire Photometric Data

### Description Information

Luminary Name: SD01-08-XX-01 4000K RA80 24D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2021/04/28
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=90.0 γ=1.0	Temp. (°C): 25	Humidity(%): 50.0

### Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 798.610	Luminary Flux(lm): 798.614	Field Angle(10%Imax): 51.8(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 791.315lm 99.09%
Rated Voltage(V):	Luminary EER(lm/W): 101.942	Up Lumens&Percent: 7.298lm 0.91%
Tested Power(W): 7.834	Max. Candela(cd): 3102.100	S/MH: C0_a180=0.394 C90_270=0.397
Lamps' Inside: 1	Max Cand@Ang. (°): C=270.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 240.3, 0.035, 0.911	Beam Angle (50%Imax): 23.2(°)	ErP φ use(90°): 744.673lm
Lamp Size (W*L*H): 0.050m*0.000m*0.000m	Left=-11.1°, Right=12.1°	IRF(%): 801.646



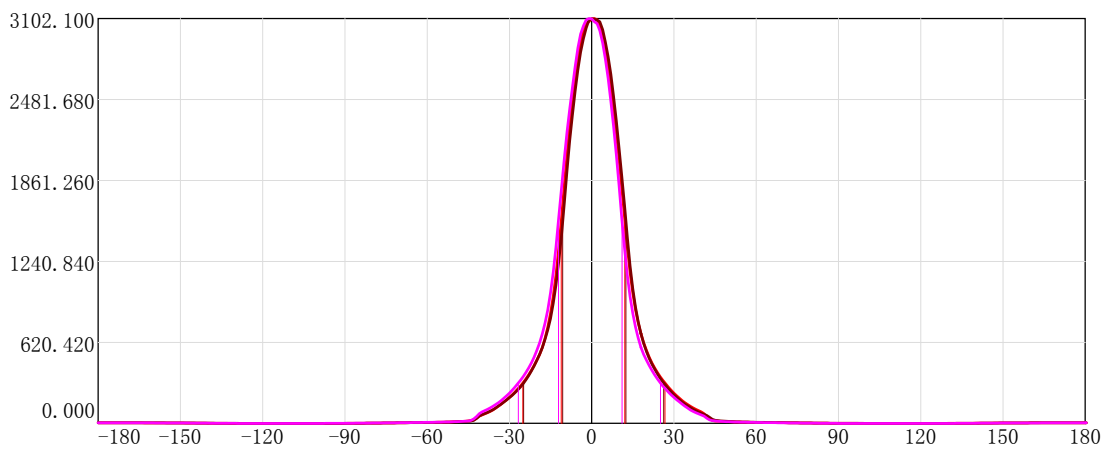
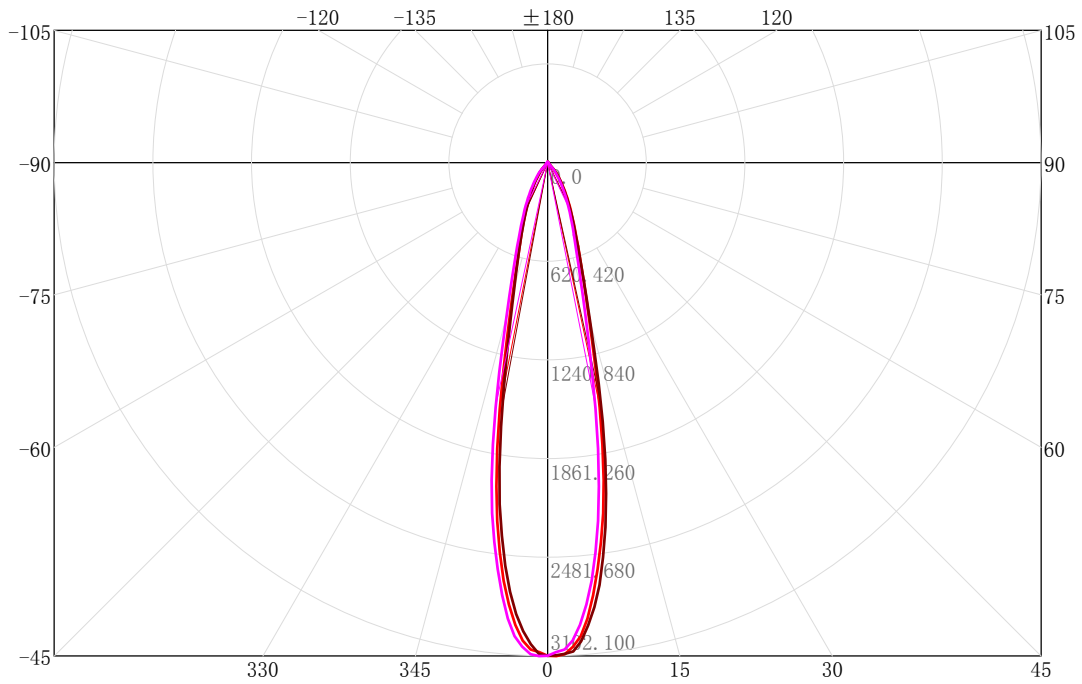
# IES Indoor Report

Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

## 2D Plane Light Intensity Distribution Curve

Lum. Name: SD01-08-XX-01 4000K RA80 24D	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: 2021/04/28

C Plane Distribution Diagram



C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
C270.0_90.0	23.2	51.8	
C0.0_180.0	23.0	51.1	
C90.0_270.0	23.2	51.8	

# IES Indoor Report

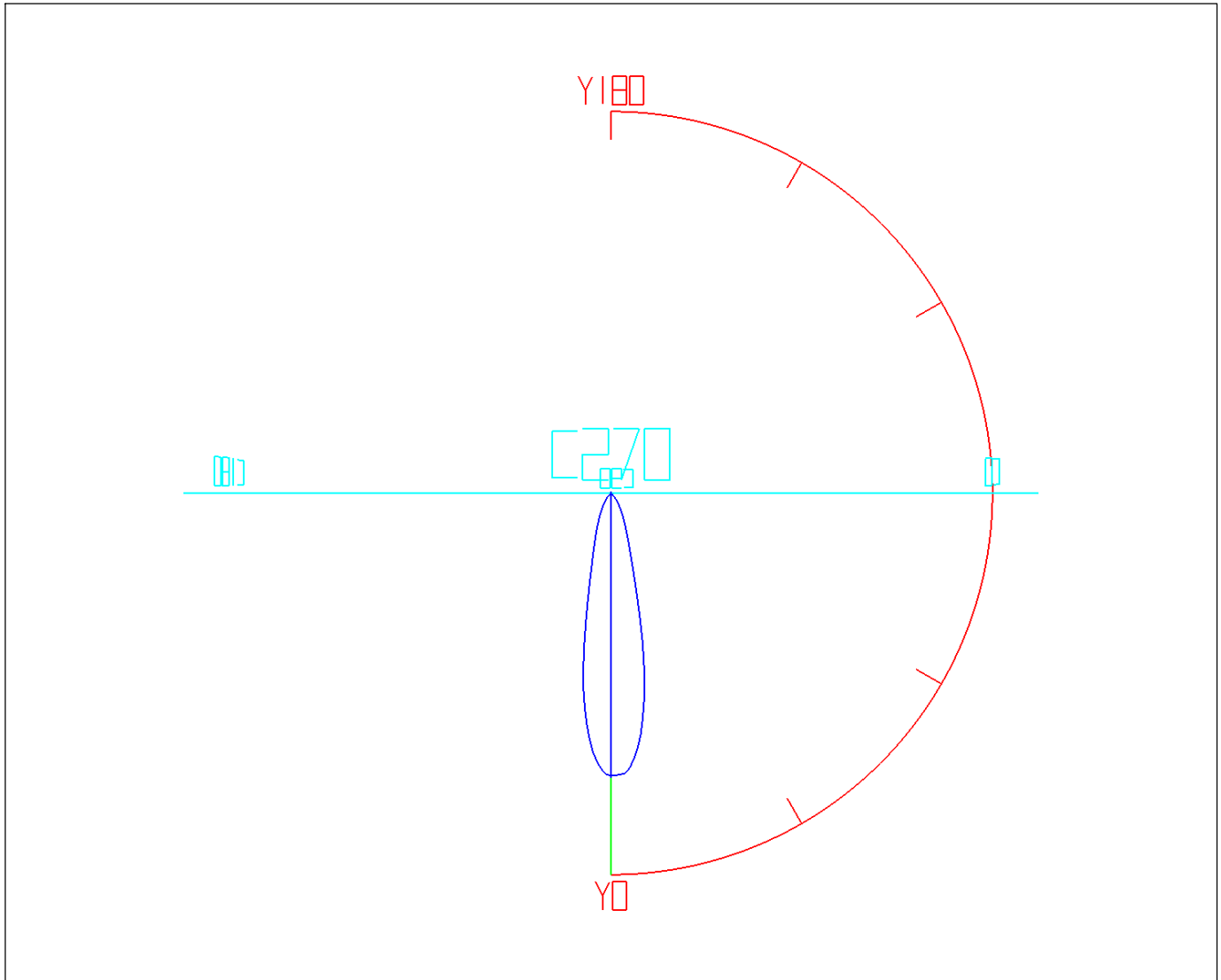
Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

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## 3D Light Intensity Distribution Modal

Lum. Name: SD01-08-XX-01 4000K RA80 24D	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: 2021/04/28

## 3D Light Intensity Distribution Modal



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

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# IES Indoor Report

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## Zonal Flux Tabulation

Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	2.96	2.96	0.37	0.37	47.0-48.0	1.27	767.30	0.16	96.08
1.0-2.0	8.84	11.80	1.11	1.48	48.0-49.0	1.21	768.51	0.15	96.23
2.0-3.0	14.56	26.37	1.82	3.30	49.0-50.0	1.15	769.66	0.14	96.38
3.0-4.0	19.95	46.32	2.50	5.80	50.0-51.0	1.08	770.74	0.14	96.51
4.0-5.0	24.79	71.11	3.10	8.90	51.0-52.0	1.03	771.77	0.13	96.64
5.0-6.0	28.94	100.05	3.62	12.53	52.0-53.0	0.98	772.75	0.12	96.76
6.0-7.0	32.30	132.35	4.04	16.57	53.0-54.0	0.95	773.70	0.12	96.88
7.0-8.0	34.78	167.13	4.35	20.93	54.0-55.0	0.91	774.61	0.11	97.00
8.0-9.0	36.28	203.40	4.54	25.47	55.0-56.0	0.89	775.50	0.11	97.11
9.0-10.0	36.64	240.05	4.59	30.06	56.0-57.0	0.86	776.36	0.11	97.21
10.0-11.0	35.90	275.94	4.49	34.55	57.0-58.0	0.83	777.19	0.10	97.32
11.0-12.0	34.24	310.19	4.29	38.84	58.0-59.0	0.81	778.00	0.10	97.42
12.0-13.0	31.98	342.17	4.00	42.85	59.0-60.0	0.78	778.78	0.10	97.52
13.0-14.0	29.53	371.69	3.70	46.54	60.0-61.0	0.76	779.53	0.09	97.61
14.0-15.0	27.24	398.93	3.41	49.95	61.0-62.0	0.73	780.26	0.09	97.70
15.0-16.0	25.27	424.21	3.16	53.12	62.0-63.0	0.71	780.97	0.09	97.79
16.0-17.0	23.62	447.82	2.96	56.08	63.0-64.0	0.68	781.65	0.09	97.88
17.0-18.0	22.21	470.03	2.78	58.86	64.0-65.0	0.66	782.31	0.08	97.96
18.0-19.0	21.01	491.04	2.63	61.49	65.0-66.0	0.64	782.95	0.08	98.04
19.0-20.0	19.96	511.00	2.50	63.99	66.0-67.0	0.62	783.57	0.08	98.12
20.0-21.0	19.01	530.01	2.38	66.37	67.0-68.0	0.59	784.16	0.07	98.19
21.0-22.0	18.13	548.14	2.27	68.64	68.0-69.0	0.57	784.74	0.07	98.26
22.0-23.0	17.31	565.45	2.17	70.80	69.0-70.0	0.55	785.29	0.07	98.33
23.0-24.0	16.51	581.96	2.07	72.87	70.0-71.0	0.53	785.81	0.07	98.40
24.0-25.0	15.72	597.68	1.97	74.84	71.0-72.0	0.50	786.31	0.06	98.46
25.0-26.0	14.95	612.63	1.87	76.71	72.0-73.0	0.47	786.79	0.06	98.52
26.0-27.0	14.20	626.84	1.78	78.49	73.0-74.0	0.45	787.24	0.06	98.58
27.0-28.0	13.46	640.29	1.68	80.18	74.0-75.0	0.42	787.66	0.05	98.63
28.0-29.0	12.72	653.02	1.59	81.77	75.0-76.0	0.40	788.06	0.05	98.68
29.0-30.0	12.00	665.02	1.50	83.27	76.0-77.0	0.37	788.43	0.05	98.73
30.0-31.0	11.29	676.31	1.41	84.69	77.0-78.0	0.35	788.78	0.04	98.77
31.0-32.0	10.59	686.90	1.33	86.01	78.0-79.0	0.33	789.11	0.04	98.81
32.0-33.0	9.88	696.78	1.24	87.25	79.0-80.0	0.30	789.41	0.04	98.85
33.0-34.0	9.18	705.96	1.15	88.40	80.0-81.0	0.28	789.69	0.04	98.88
34.0-35.0	8.47	714.43	1.06	89.46	81.0-82.0	0.26	789.95	0.03	98.92
35.0-36.0	7.76	722.19	0.97	90.43	82.0-83.0	0.24	790.19	0.03	98.95
36.0-37.0	7.13	729.32	0.89	91.32	83.0-84.0	0.22	790.41	0.03	98.97
37.0-38.0	6.56	735.88	0.82	92.14	84.0-85.0	0.20	790.61	0.02	99.00
38.0-39.0	6.03	741.91	0.76	92.90	85.0-86.0	0.18	790.78	0.02	99.02
39.0-40.0	5.53	747.43	0.69	93.59	86.0-87.0	0.16	790.94	0.02	99.04
40.0-41.0	4.95	752.38	0.62	94.21	87.0-88.0	0.14	791.08	0.02	99.06
41.0-42.0	4.06	756.44	0.51	94.72	88.0-89.0	0.12	791.21	0.02	99.07
42.0-43.0	2.98	759.42	0.37	95.09	89.0-90.0	0.11	791.32	0.01	99.09
43.0-44.0	2.13	761.55	0.27	95.36	90.0-91.0	0.10	791.41	0.01	99.10
44.0-45.0	1.66	763.22	0.21	95.57	91.0-92.0	0.09	791.50	0.01	99.11
45.0-46.0	1.46	764.68	0.18	95.75	92.0-93.0	0.08	791.58	0.01	99.12
46.0-47.0	1.35	766.03	0.17	95.92	93.0-94.0	0.07	791.65	0.01	99.13

# IES Indoor Report

Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

## Zonal Flux Tabulation - (Cont.)

Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.07	791.72	0.01	99.14	141.0-142.0	0.15	793.66	0.02	99.38
95.0-96.0	0.06	791.77	0.01	99.14	142.0-143.0	0.16	793.82	0.02	99.40
96.0-97.0	0.05	791.83	0.01	99.15	143.0-144.0	0.16	793.98	0.02	99.42
97.0-98.0	0.05	791.87	0.01	99.16	144.0-145.0	0.17	794.15	0.02	99.44
98.0-99.0	0.04	791.91	0.01	99.16	145.0-146.0	0.18	794.33	0.02	99.46
99.0-100.0	0.04	791.95	0.00	99.17	146.0-147.0	0.18	794.51	0.02	99.49
100.0-101.0	0.03	791.98	0.00	99.17	147.0-148.0	0.19	794.70	0.02	99.51
101.0-102.0	0.03	792.01	0.00	99.17	148.0-149.0	0.19	794.88	0.02	99.53
102.0-103.0	0.02	792.03	0.00	99.18	149.0-150.0	0.19	795.08	0.02	99.56
103.0-104.0	0.02	792.05	0.00	99.18	150.0-151.0	0.19	795.27	0.02	99.58
104.0-105.0	0.02	792.07	0.00	99.18	151.0-152.0	0.19	795.46	0.02	99.61
105.0-106.0	0.02	792.09	0.00	99.18	152.0-153.0	0.19	795.65	0.02	99.63
106.0-107.0	0.02	792.11	0.00	99.19	153.0-154.0	0.19	795.84	0.02	99.65
107.0-108.0	0.01	792.12	0.00	99.19	154.0-155.0	0.19	796.03	0.02	99.68
108.0-109.0	0.01	792.13	0.00	99.19	155.0-156.0	0.18	796.21	0.02	99.70
109.0-110.0	0.01	792.15	0.00	99.19	156.0-157.0	0.18	796.39	0.02	99.72
110.0-111.0	0.01	792.16	0.00	99.19	157.0-158.0	0.18	796.57	0.02	99.74
111.0-112.0	0.01	792.17	0.00	99.19	158.0-159.0	0.17	796.74	0.02	99.77
112.0-113.0	0.01	792.18	0.00	99.19	159.0-160.0	0.17	796.90	0.02	99.79
113.0-114.0	0.01	792.19	0.00	99.20	160.0-161.0	0.16	797.06	0.02	99.81
114.0-115.0	0.01	792.20	0.00	99.20	161.0-162.0	0.15	797.22	0.02	99.83
115.0-116.0	0.01	792.21	0.00	99.20	162.0-163.0	0.15	797.36	0.02	99.84
116.0-117.0	0.01	792.22	0.00	99.20	163.0-164.0	0.14	797.50	0.02	99.86
117.0-118.0	0.01	792.23	0.00	99.20	164.0-165.0	0.13	797.64	0.02	99.88
118.0-119.0	0.01	792.24	0.00	99.20	165.0-166.0	0.12	797.76	0.02	99.89
119.0-120.0	0.01	792.25	0.00	99.20	166.0-167.0	0.12	797.88	0.01	99.91
120.0-121.0	0.01	792.26	0.00	99.20	167.0-168.0	0.11	797.99	0.01	99.92
121.0-122.0	0.01	792.27	0.00	99.21	168.0-169.0	0.10	798.09	0.01	99.93
122.0-123.0	0.02	792.29	0.00	99.21	169.0-170.0	0.09	798.18	0.01	99.95
123.0-124.0	0.02	792.31	0.00	99.21	170.0-171.0	0.08	798.26	0.01	99.96
124.0-125.0	0.02	792.33	0.00	99.21	171.0-172.0	0.07	798.34	0.01	99.97
125.0-126.0	0.02	792.35	0.00	99.22	172.0-173.0	0.07	798.40	0.01	99.97
126.0-127.0	0.03	792.38	0.00	99.22	173.0-174.0	0.06	798.46	0.01	99.98
127.0-128.0	0.03	792.41	0.00	99.22	174.0-175.0	0.05	798.51	0.01	99.99
128.0-129.0	0.04	792.45	0.00	99.23	175.0-176.0	0.04	798.54	0.00	99.99
129.0-130.0	0.04	792.49	0.01	99.23	176.0-177.0	0.03	798.57	0.00	100.00
130.0-131.0	0.05	792.54	0.01	99.24	177.0-178.0	0.02	798.60	0.00	100.00
131.0-132.0	0.06	792.60	0.01	99.25	178.0-179.0	0.01	798.61	0.00	100.00
132.0-133.0	0.07	792.66	0.01	99.26	179.0-180.0	0.00	798.61	0.00	100.00
133.0-134.0	0.07	792.74	0.01	99.26					
134.0-135.0	0.08	792.82	0.01	99.28					
135.0-136.0	0.09	792.91	0.01	99.29					
136.0-137.0	0.10	793.01	0.01	99.30					
137.0-138.0	0.11	793.12	0.01	99.31					
138.0-139.0	0.12	793.24	0.02	99.33					
139.0-140.0	0.13	793.37	0.02	99.34					
140.0-141.0	0.14	793.51	0.02	99.36					

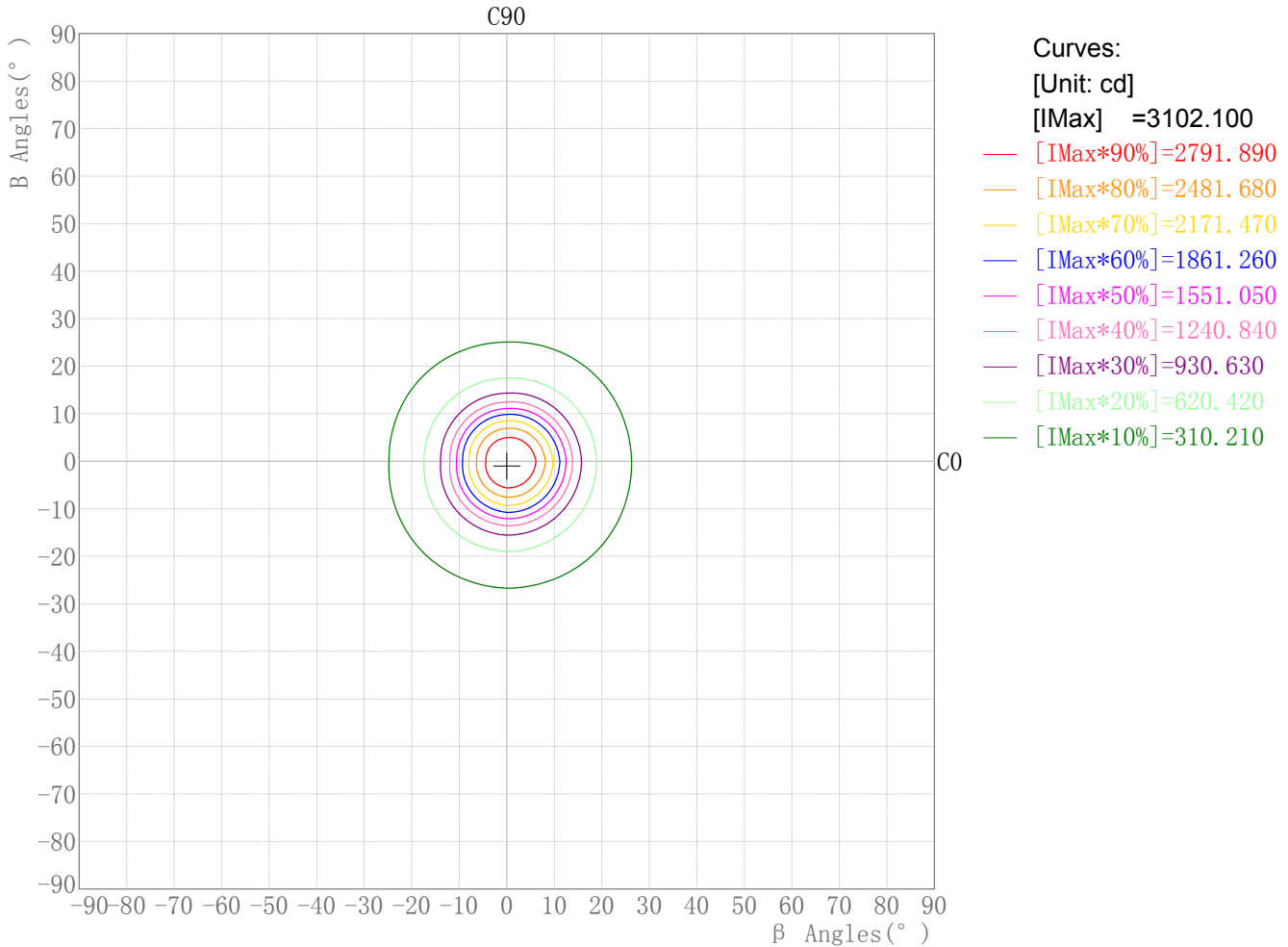
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## Rectangle ISO Lighting Intensity Diagram

Lum. Name: SD01-08-XX-01 4000K RA80 24D	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: 2021/04/28

### ISO Lighting Intensity Curve



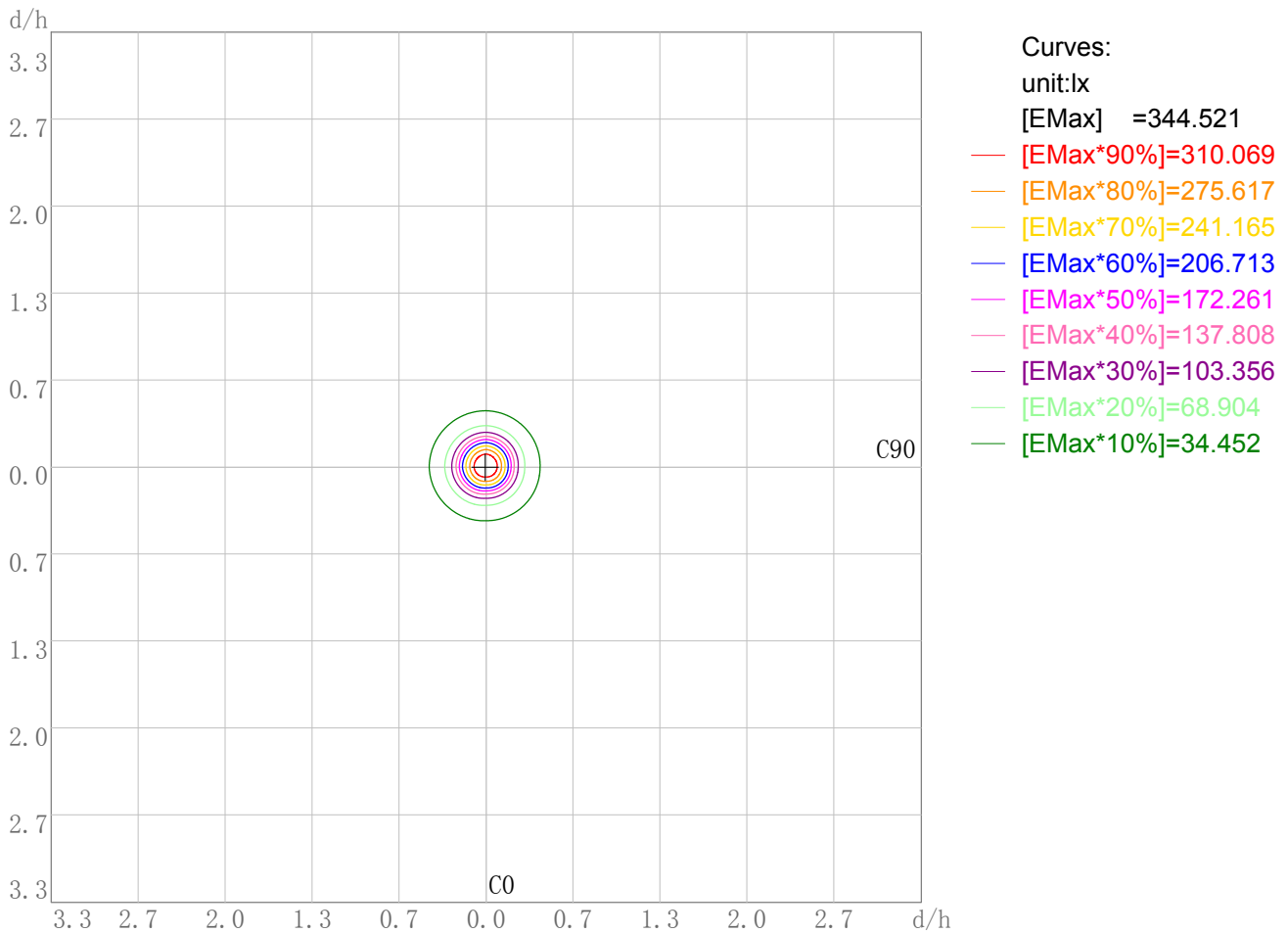
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## Plane ISO-Illuminance Diagram

Lum. Name: SD01-08-XX-01 4000K RA80 24D	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/04/28

### Plane ISO-Illuminance Curve



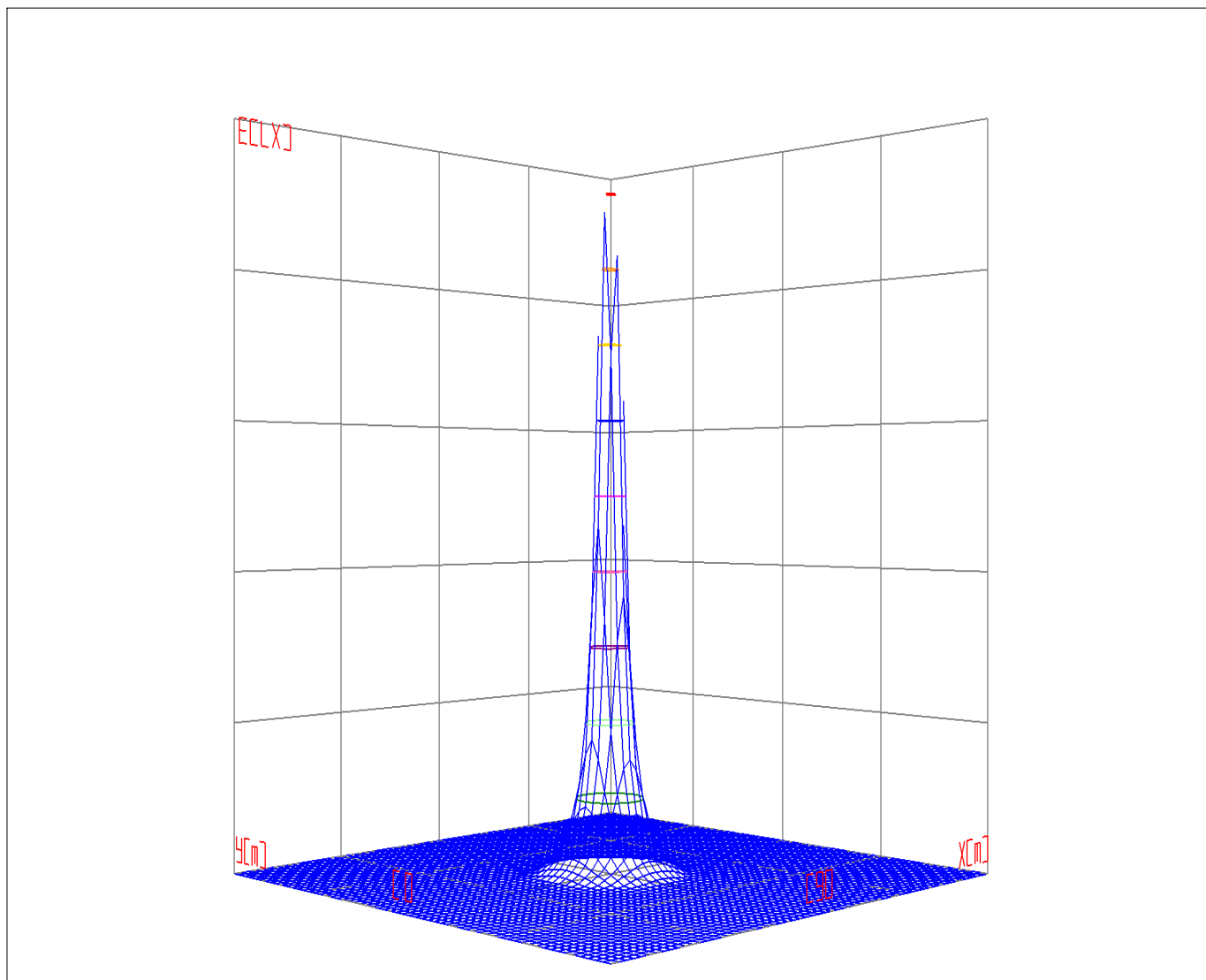
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## 3D Plane ISO Illuminance Diagram

Lum. Name: SD01-08-XX-01 4000K RA80 24D	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: 2021/04/28

### 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



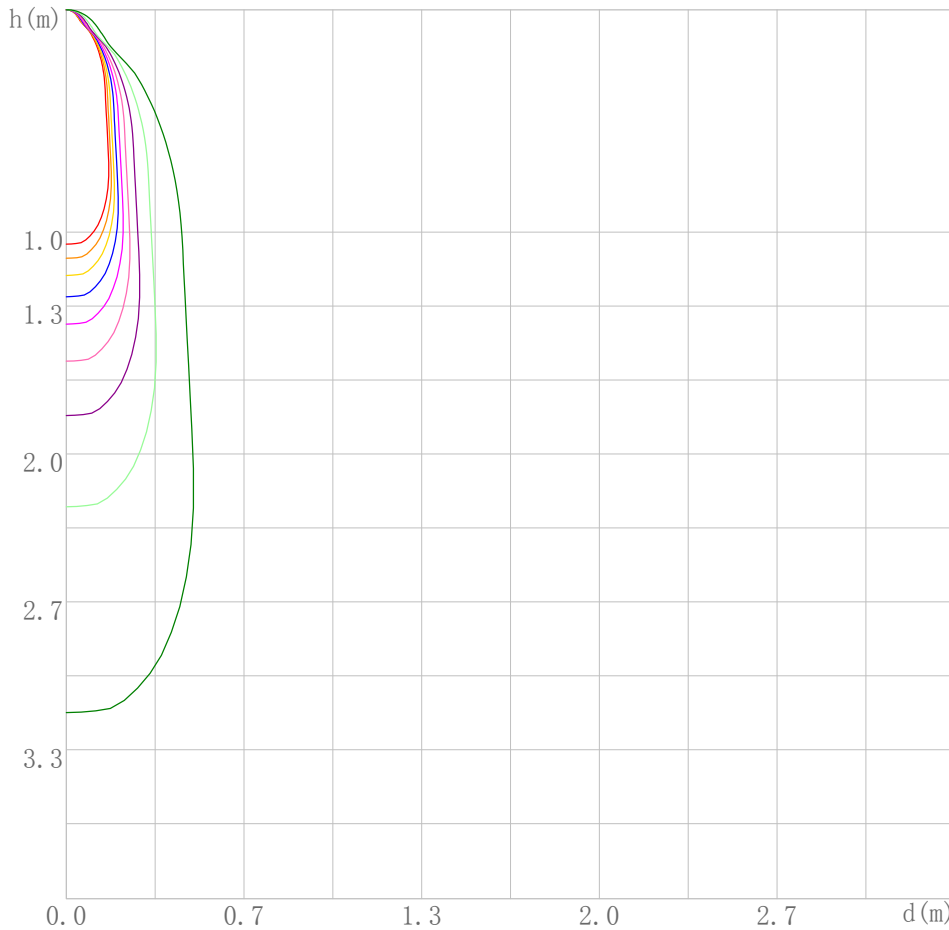
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## Space ISO Illuminance Diagram

Lum. Name: SD01-08-XX-01 4000K RA80 24D	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/04/28

### Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:3099.99lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:3099.991cd,0deg

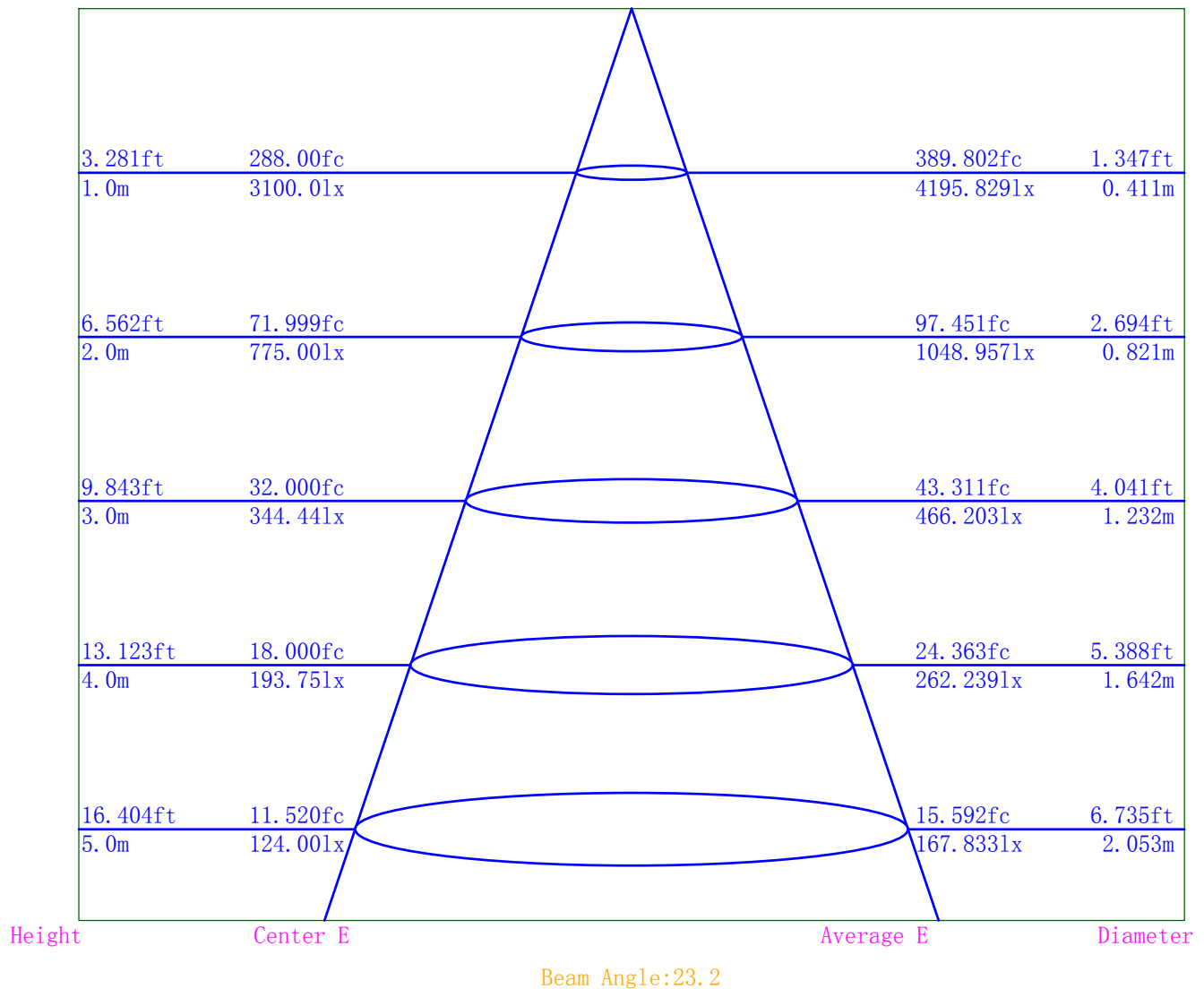
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## Illuminance-Distance Diagram

Lum. Name: SD01-08-XX-01 4000K RA80 24D	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/04/28

Illuminance-Distance Curve



**Indoor Luminance Limiting Curves**

Lum. Name: SD01-08-XX-01 4000K RA80 24D	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co.Ltd	Test Machine:GON-2000	Test Date: 2021/04/28

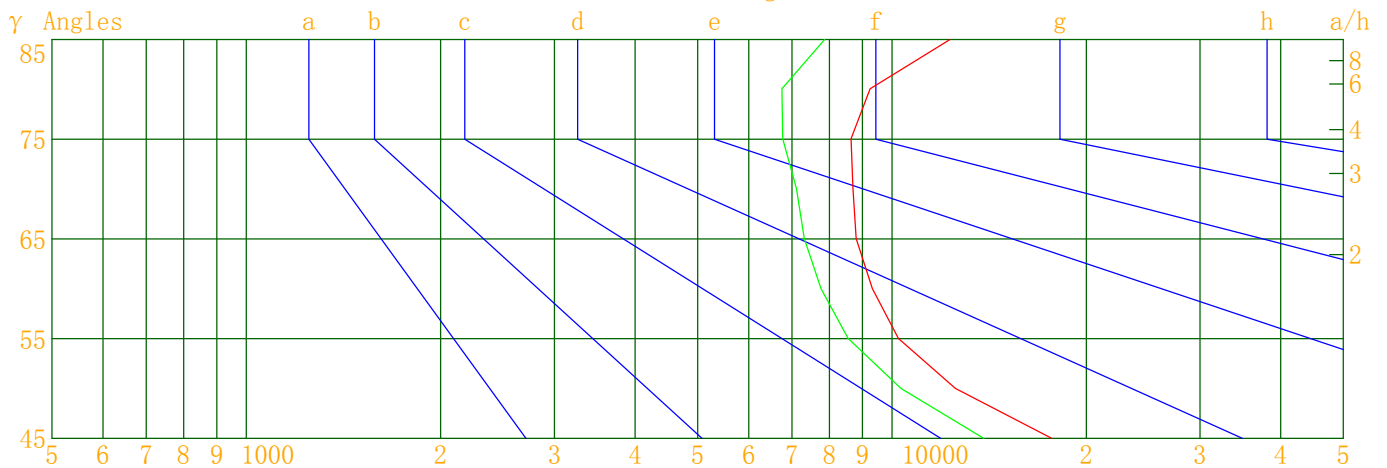
Glare Grade Table

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	17681	12535	10235	9321	8801	8702	8642	9250	12301
C90	13868	10326	8553	7761	7316	7112	6773	6752	7865

Luminance Limiting Curve



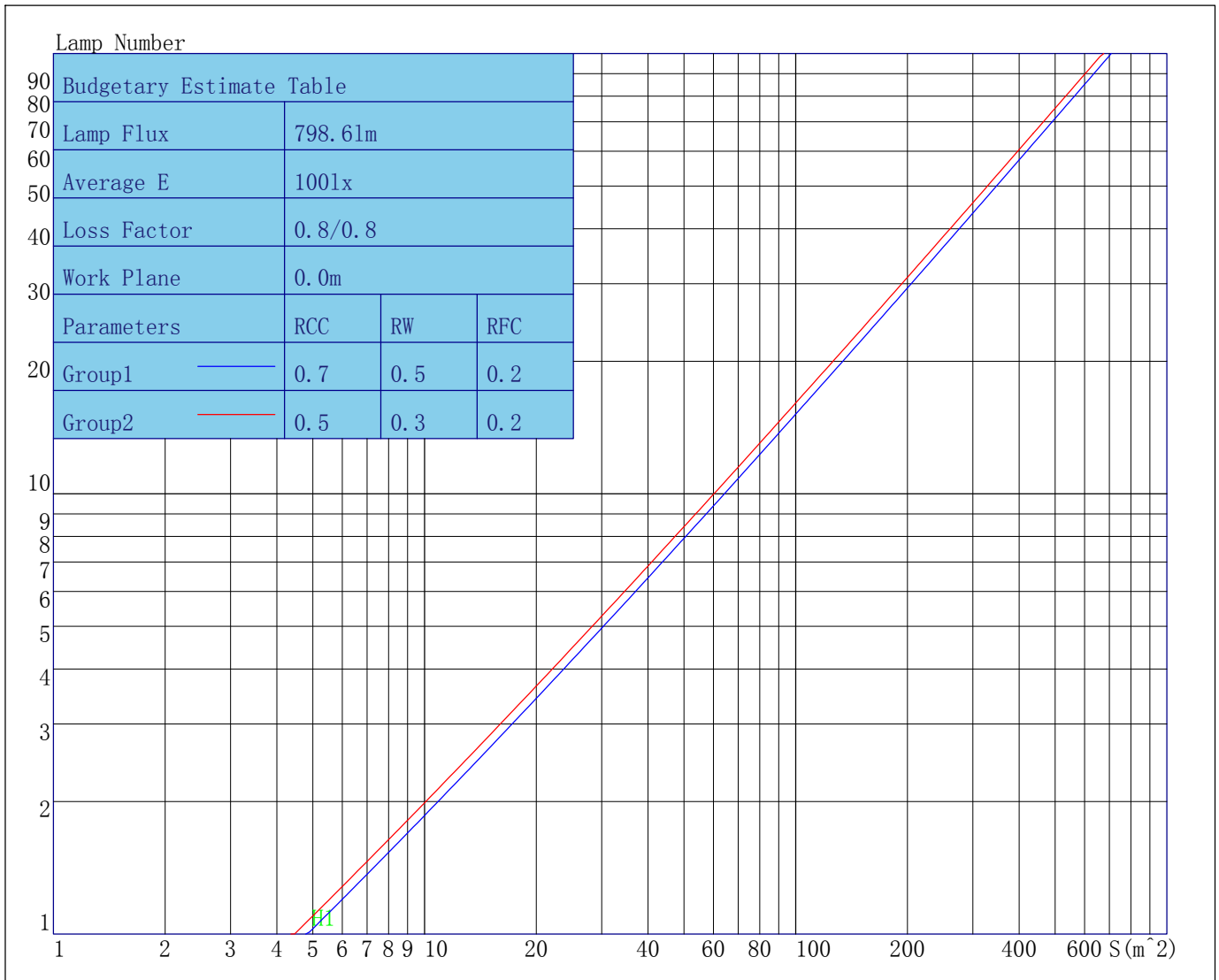
Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

# IES Indoor Report

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## Indoor Budgetary Estimate Table

Lum. Name: SD01-08-XX-01 4000K RA80 24D	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: 2021/04/28



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

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## Indoor Coefficient of Utilization Table

Lum. Name: SD01-08-XX-01 4000K RA80 24D	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: 2021/04/28

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	114	112	109	107	112	109	107	106	105	104	102	101	100	99	98	97	96	94
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	94	93	91	90
3	105	100	96	92	103	98	94	91	96	92	90	93	91	88	91	89	87	85
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	91	83	78	75	89	83	78	75	81	77	74	80	76	74	79	76	73	72
8	88	80	75	72	87	79	75	72	78	74	71	77	74	71	76	73	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	69	74	71	68	67
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	68	66	65

# IES Indoor Report

Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

## Unified Glare Rating Table

Lum. Name: SD01-08-XX-01 4000K RA80 24D	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: 2021/04/28

## 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	17.7	18.7	18.1	19.0	19.3	16.7	17.7	17.1	18.0	18.4
Y=3H	17.9	18.8	18.3	19.1	19.5	16.9	17.8	17.3	18.1	18.5
Y=4H	18.0	18.8	18.4	19.2	19.6	17.0	17.8	17.4	18.2	18.6
Y=6H	18.2	18.9	18.6	19.3	19.7	17.1	17.9	17.5	18.2	18.7
Y=8H	18.3	19.0	18.7	19.4	19.8	17.1	17.9	17.6	18.3	18.7
Y=12H	18.4	19.0	18.8	19.4	19.9	17.2	17.9	17.6	18.3	18.7
X=4H Y=2H	17.5	18.4	18.0	18.7	19.1	16.6	17.4	17.0	17.8	18.2
Y=3H	17.9	18.6	18.3	19.0	19.4	16.9	17.6	17.4	18.0	18.5
Y=4H	18.1	18.7	18.6	19.2	19.7	17.1	17.7	17.6	18.2	18.6
Y=6H	18.4	19.0	18.9	19.4	19.9	17.3	17.9	17.8	18.3	18.8
Y=8H	18.6	19.1	19.1	19.5	20.0	17.4	17.9	17.9	18.4	18.9
Y=12H	18.8	19.2	19.3	19.7	20.2	17.5	18.0	18.0	18.5	19.0
X=8H Y=4H	18.1	18.6	18.6	19.1	19.6	17.1	17.6	17.6	18.1	18.6
Y=6H	18.6	19.0	19.1	19.5	20.0	17.5	17.9	18.0	18.4	18.9
Y=8H	18.8	19.2	19.3	19.7	20.2	17.6	18.0	18.2	18.5	19.0
Y=12H	19.1	19.4	19.6	19.9	20.5	17.8	18.1	18.4	18.7	19.3
X=12H Y=4H	18.1	18.5	18.6	19.0	19.5	17.1	17.5	17.6	18.0	18.5
Y=6H	18.6	18.9	19.1	19.4	20.0	17.5	17.8	18.0	18.3	18.9
Y=8H	18.9	19.2	19.4	19.7	20.3	17.7	18.0	18.2	18.5	19.1
Variations with the observer position at spacings										
S=1.0H	0.2/-0.2					0.4/-0.4				
S=1.5H	0.5/-0.5					0.6/-0.7				
S=2.0H	0.6/-0.7					0.8/-0.9				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	1.4					1.2				

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

# IES Indoor Report

Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

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## Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
$\gamma$ 0.0	3099.99	3099.99	3099.99	3099.99
$\gamma$ 1.0	3097.18	3077.72	3089.35	3102.10
$\gamma$ 2.0	3090.37	3062.98	3029.82	3092.37
$\gamma$ 3.0	3076.97	3008.62	2949.55	3047.37
$\gamma$ 4.0	3016.42	2913.09	2844.80	2983.15
$\gamma$ 5.0	2920.50	2788.91	2708.06	2876.88
$\gamma$ 6.0	2809.90	2642.92	2546.26	2734.38
$\gamma$ 7.0	2674.82	2467.14	2363.44	2575.05
$\gamma$ 8.0	2504.89	2274.72	2168.05	2409.30
$\gamma$ 9.0	2320.47	2060.48	1934.90	2231.72
$\gamma$ 10.0	2112.98	1825.93	1683.31	2026.76
$\gamma$ 11.0	1897.96	1574.96	1442.90	1805.56
$\gamma$ 12.0	1664.49	1335.55	1234.84	1573.74
$\gamma$ 13.0	1426.50	1134.34	1059.80	1349.79
$\gamma$ 14.0	1207.87	972.66	919.23	1157.16
$\gamma$ 15.0	1031.82	843.69	803.72	1000.96
$\gamma$ 16.0	891.78	737.99	717.89	870.93
$\gamma$ 17.0	779.06	652.96	644.72	770.54
$\gamma$ 18.0	688.32	582.78	581.79	687.96
$\gamma$ 19.0	612.71	528.82	529.35	618.29
$\gamma$ 20.0	549.82	483.53	482.27	558.02
$\gamma$ 21.0	497.90	443.21	439.33	506.17
$\gamma$ 22.0	454.25	405.75	400.35	461.92
$\gamma$ 23.0	415.39	372.10	365.23	424.11
$\gamma$ 24.0	380.29	340.48	333.30	389.44
$\gamma$ 25.0	347.26	312.22	304.53	358.14
$\gamma$ 26.0	317.77	286.17	278.44	329.60
$\gamma$ 27.0	290.41	261.93	255.09	302.56
$\gamma$ 28.0	265.22	239.32	233.96	277.39
$\gamma$ 29.0	241.54	218.75	214.88	254.40
$\gamma$ 30.0	219.67	199.93	196.86	232.25
$\gamma$ 31.0	199.45	181.84	180.64	212.03
$\gamma$ 32.0	181.14	165.13	164.56	193.68
$\gamma$ 33.0	164.32	147.92	148.81	175.94
$\gamma$ 34.0	148.62	132.87	134.74	159.92
$\gamma$ 35.0	134.30	117.75	118.09	144.76
$\gamma$ 36.0	121.18	102.97	105.30	130.92
$\gamma$ 37.0	108.39	91.72	94.71	118.83
$\gamma$ 38.0	96.82	82.12	85.11	108.11
$\gamma$ 39.0	87.03	73.05	76.21	98.25
$\gamma$ 40.0	77.77	64.83	67.79	88.83
$\gamma$ 41.0	69.44	56.43	55.90	74.55
$\gamma$ 42.0	61.09	40.01	37.44	52.53
$\gamma$ 43.0	46.43	26.47	23.88	34.09
$\gamma$ 44.0	31.70	21.59	18.16	23.29
$\gamma$ 45.0	24.55	19.25	15.86	18.89
$\gamma$ 46.0	21.48	17.56	14.59	17.23

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# IES Indoor Report

Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	19.61	16.12	13.58	15.96
γ 48.0	18.12	14.99	12.77	14.96
γ 49.0	16.90	14.01	11.99	14.06
γ 50.0	15.82	13.03	11.14	13.15
γ 51.0	14.81	11.95	10.33	12.26
γ 52.0	13.68	11.25	9.77	11.64
γ 53.0	12.83	10.61	9.35	11.13
γ 54.0	12.15	10.09	8.99	10.68
γ 55.0	11.53	9.63	8.63	10.28
γ 56.0	11.02	9.20	8.30	9.88
γ 57.0	10.49	8.78	7.99	9.53
γ 58.0	10.05	8.38	7.66	9.16
γ 59.0	9.58	7.99	7.37	8.78
γ 60.0	9.15	7.62	7.11	8.44
γ 61.0	8.73	7.30	6.81	8.12
γ 62.0	8.38	6.97	6.55	7.82
γ 63.0	8.01	6.66	6.29	7.49
γ 64.0	7.66	6.35	6.03	7.20
γ 65.0	7.30	6.07	5.79	6.93
γ 66.0	6.99	5.80	5.57	6.68
γ 67.0	6.70	5.52	5.34	6.42
γ 68.0	6.41	5.28	5.11	6.18
γ 69.0	6.12	5.03	4.88	5.93
γ 70.0	5.84	4.78	4.63	5.69
γ 71.0	5.56	4.51	4.36	5.39
γ 72.0	5.26	4.23	4.09	5.12
γ 73.0	4.95	3.96	3.84	4.84
γ 74.0	4.67	3.69	3.60	4.55
γ 75.0	4.39	3.44	3.36	4.30
γ 76.0	4.12	3.21	3.15	4.05
γ 77.0	3.86	2.96	2.91	3.80
γ 78.0	3.61	2.73	2.69	3.56
γ 79.0	3.38	2.52	2.48	3.33
γ 80.0	3.15	2.30	2.27	3.10
γ 81.0	2.93	2.10	2.08	2.88
γ 82.0	2.71	1.91	1.88	2.67
γ 83.0	2.50	1.71	1.69	2.45
γ 84.0	2.30	1.53	1.51	2.25
γ 85.0	2.11	1.35	1.34	2.07
γ 86.0	1.93	1.18	1.17	1.88
γ 87.0	1.75	1.02	1.01	1.71
γ 88.0	1.59	0.86	0.86	1.53
γ 89.0	1.42	0.70	0.71	1.36
γ 90.0	1.26	0.57	0.63	1.22
γ 91.0	1.14	0.51	0.55	1.13
γ 92.0	1.08	0.45	0.49	1.03
γ 93.0	1.00	0.40	0.41	0.95

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# IES Indoor Report

Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.93	0.34	0.36	0.87
γ 95.0	0.87	0.30	0.30	0.79
γ 96.0	0.81	0.25	0.24	0.72
γ 97.0	0.75	0.22	0.19	0.65
γ 98.0	0.69	0.17	0.15	0.59
γ 99.0	0.65	0.13	0.11	0.54
γ 100.0	0.59	0.10	0.06	0.48
γ 101.0	0.56	0.07	0.04	0.43
γ 102.0	0.51	0.05	0.01	0.38
γ 103.0	0.47	0.03	0.00	0.33
γ 104.0	0.45	0.00	0.00	0.31
γ 105.0	0.41	0.00	0.00	0.28
γ 106.0	0.39	0.00	0.00	0.25
γ 107.0	0.36	0.00	0.00	0.22
γ 108.0	0.34	0.00	0.00	0.21
γ 109.0	0.32	0.00	0.00	0.19
γ 110.0	0.29	0.00	0.00	0.18
γ 111.0	0.27	0.00	0.00	0.17
γ 112.0	0.26	0.00	0.00	0.17
γ 113.0	0.23	0.00	0.00	0.17
γ 114.0	0.21	0.00	0.00	0.17
γ 115.0	0.19	0.00	0.00	0.17
γ 116.0	0.17	0.00	0.02	0.18
γ 117.0	0.16	0.00	0.03	0.19
γ 118.0	0.14	0.00	0.06	0.20
γ 119.0	0.14	0.00	0.08	0.22
γ 120.0	0.12	0.00	0.12	0.24
γ 121.0	0.12	0.00	0.16	0.26
γ 122.0	0.14	0.00	0.19	0.29
γ 123.0	0.14	0.00	0.24	0.32
γ 124.0	0.15	0.00	0.28	0.36
γ 125.0	0.18	0.01	0.34	0.39
γ 126.0	0.21	0.07	0.41	0.43
γ 127.0	0.26	0.13	0.48	0.49
γ 128.0	0.31	0.19	0.56	0.55
γ 129.0	0.36	0.28	0.64	0.61
γ 130.0	0.44	0.37	0.75	0.69
γ 131.0	0.51	0.46	0.86	0.77
γ 132.0	0.60	0.56	0.99	0.87
γ 133.0	0.70	0.69	1.12	0.98
γ 134.0	0.81	0.81	1.25	1.09
γ 135.0	0.92	0.94	1.41	1.23
γ 136.0	1.06	1.09	1.56	1.37
γ 137.0	1.19	1.24	1.72	1.51
γ 138.0	1.35	1.40	1.89	1.67
γ 139.0	1.49	1.56	2.08	1.83
γ 140.0	1.64	1.74	2.25	1.99

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# IES Indoor Report

Photometric Filename:SD01-08-XX-01 4000K RA80 24D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	1.82	1.91	2.42	2.16
γ 142.0	1.99	2.08	2.60	2.33
γ 143.0	2.16	2.24	2.79	2.49
γ 144.0	2.33	2.42	2.96	2.67
γ 145.0	2.51	2.58	3.13	2.84
γ 146.0	2.67	2.75	3.29	3.00
γ 147.0	2.84	2.90	3.44	3.15
γ 148.0	3.00	3.05	3.58	3.30
γ 149.0	3.16	3.19	3.71	3.42
γ 150.0	3.30	3.32	3.84	3.56
γ 151.0	3.44	3.44	3.94	3.66
γ 152.0	3.58	3.55	4.04	3.77
γ 153.0	3.69	3.64	4.13	3.87
γ 154.0	3.82	3.73	4.20	3.94
γ 155.0	3.93	3.81	4.27	4.03
γ 156.0	4.01	3.88	4.35	4.09
γ 157.0	4.10	3.96	4.39	4.15
γ 158.0	4.18	4.01	4.46	4.20
γ 159.0	4.24	4.08	4.50	4.27
γ 160.0	4.31	4.13	4.55	4.31
γ 161.0	4.36	4.19	4.59	4.36
γ 162.0	4.41	4.24	4.63	4.39
γ 163.0	4.46	4.28	4.67	4.43
γ 164.0	4.51	4.32	4.69	4.47
γ 165.0	4.55	4.37	4.72	4.50
γ 166.0	4.59	4.40	4.73	4.53
γ 167.0	4.61	4.43	4.73	4.55
γ 168.0	4.64	4.44	4.73	4.56
γ 169.0	4.65	4.46	4.72	4.57
γ 170.0	4.66	4.45	4.70	4.58
γ 171.0	4.64	4.45	4.68	4.56
γ 172.0	4.64	4.44	4.64	4.55
γ 173.0	4.63	4.45	4.62	4.52
γ 174.0	4.60	4.45	4.59	4.51
γ 175.0	4.59	4.47	4.57	4.51
γ 176.0	4.59	4.47	4.58	4.52
γ 177.0	4.58	4.48	4.57	4.51
γ 178.0	4.58	4.50	4.58	4.54
γ 179.0	4.57	4.51	4.59	4.55
γ 180.0	4.57	4.57	4.57	4.57

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