

IES Indoor Report

Photometric Filename:ST01-03-XX-01 2700K RA90 15D 黑.IES

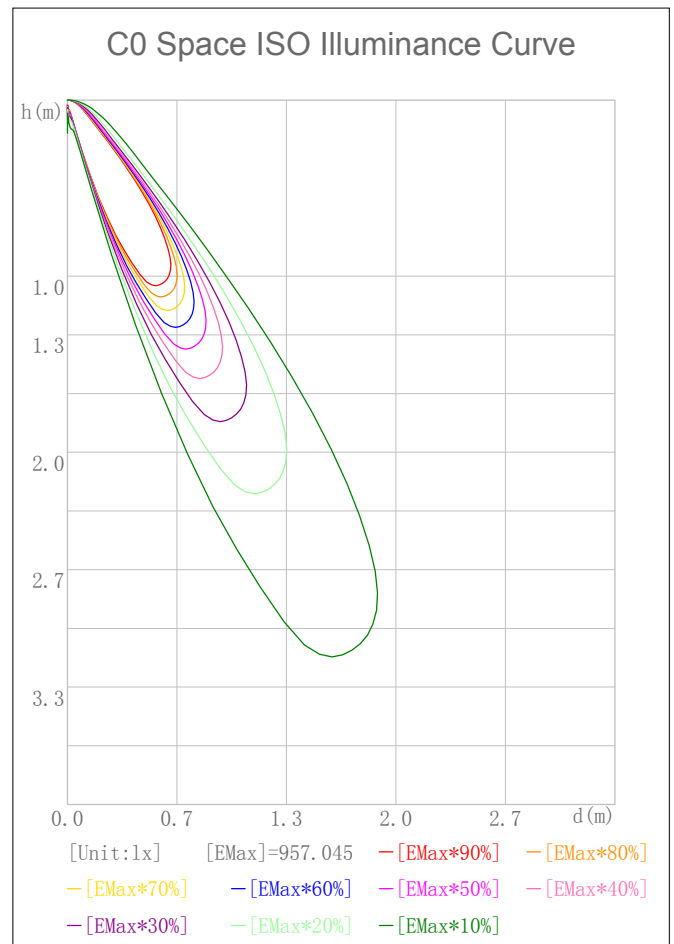
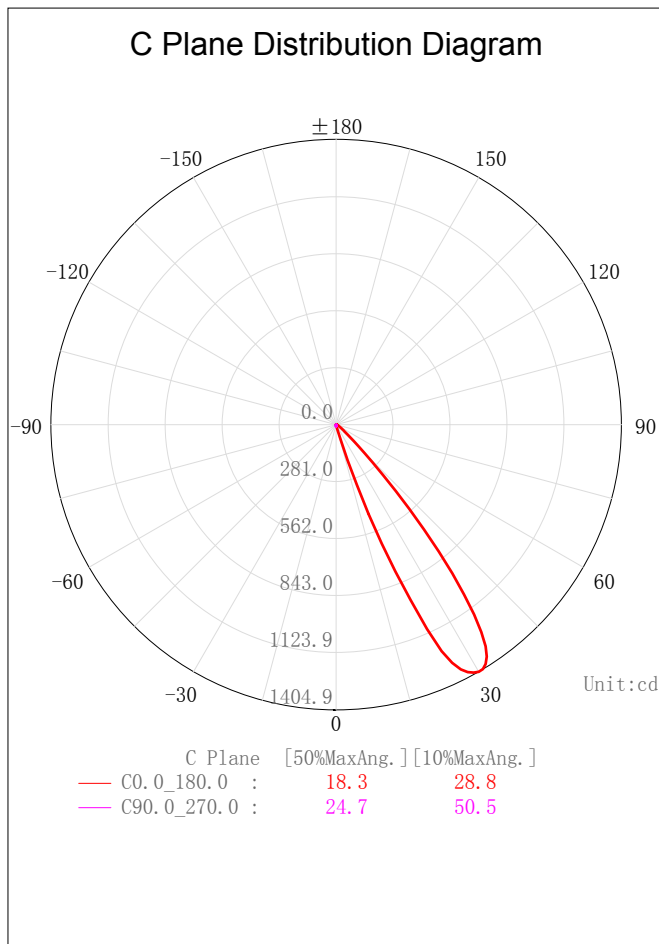
Indoor Luminaire Photometric Data

Description Information

Luminaire Name: ST01-03-XX-01 2700K RA90 15D 黑		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2020/08/05
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(%): 50.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 140.550	Luminary Flux(lm): 140.553	Field Angle(10%Imax): 28.8(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 140.528lm 99.98%	
Rated Voltage(V):	Luminary EER(lm/W): 48.019	Up Lumens&Percent: 0.025lm 0.02%	
Tested Power(W): 2.927	Max. Candela(cd): 1404.928	S/MH: C0_a180=0.183 C90_270=0.714	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ =30.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 240.2, 0.015, 0.809	Beam Angle (50%Imax): 18.3(°)	ErP ϕ use(90°): 128.525lm	
Lamp Size (W*L*H): 0.050m*0.000m*0.000m	Left=21.5°, Right=39.8°	IRF(%): 753.851	



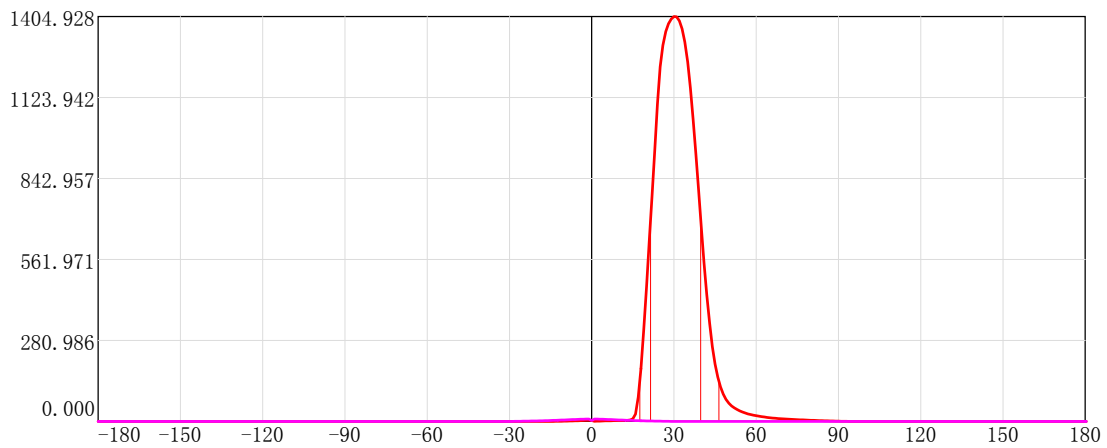
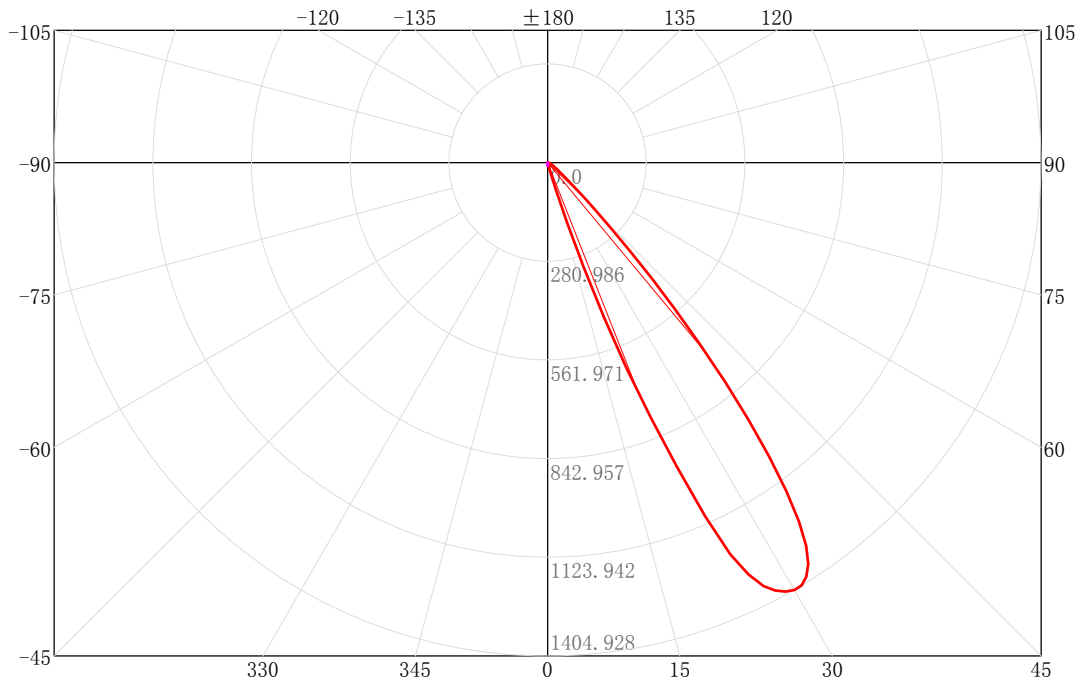
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2D Plane Light Intensity Distribution Curve

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

C Plane Distribution Diagram



C Plane [50%MaxAng.] [10%MaxAng.]
 — C0.0_180.0 : 18.3 28.8
 — C90.0_270.0 : 24.7 50.5

Unit:cd

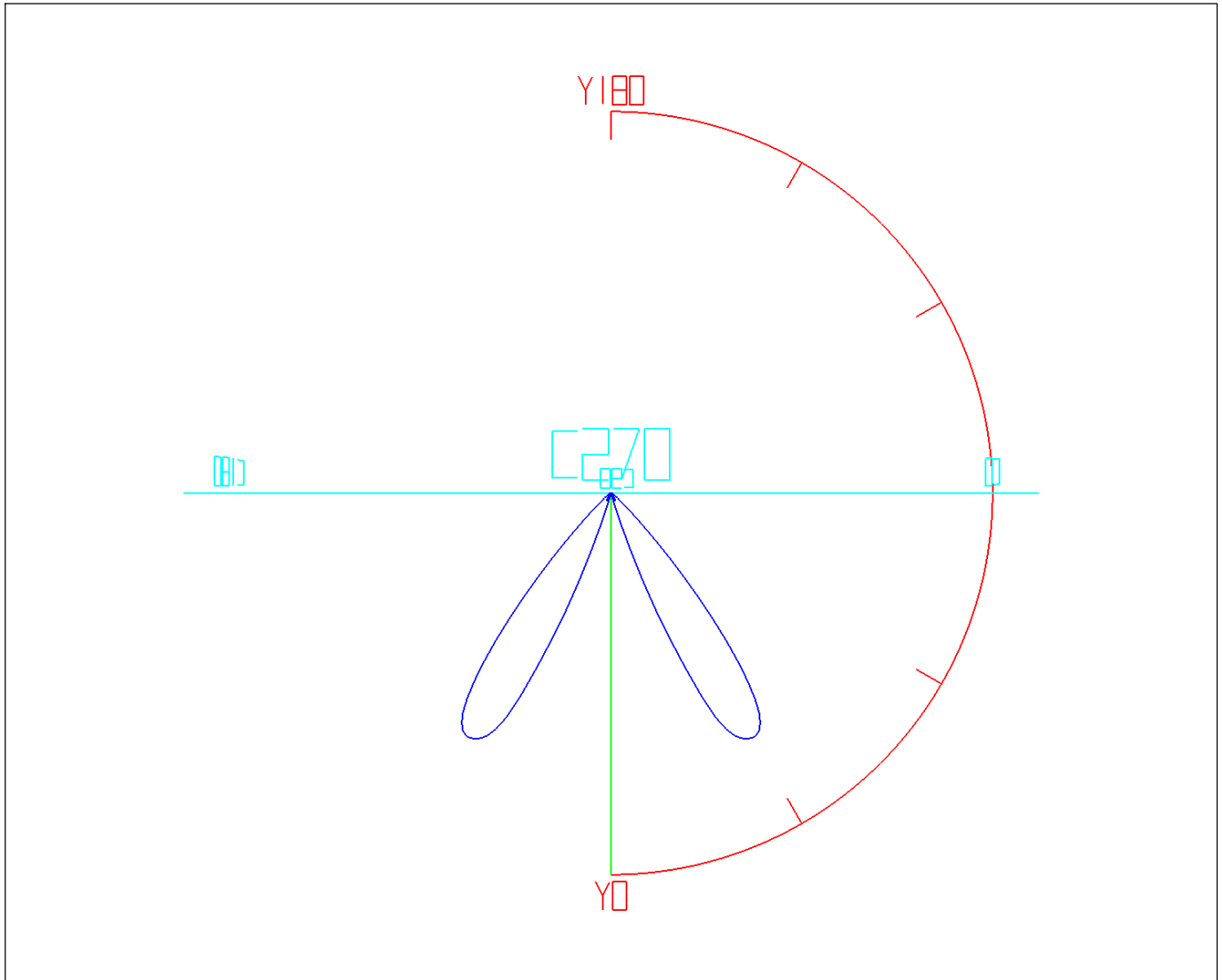
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3D Light Intensity Distribution Modal

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

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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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	0.00	0.00	0.00	0.00	47.0-48.0	0.92	131.92	0.65	93.86
1.0-2.0	0.01	0.01	0.01	0.01	48.0-49.0	0.77	132.69	0.55	94.40
2.0-3.0	0.02	0.03	0.01	0.02	49.0-50.0	0.66	133.34	0.47	94.87
3.0-4.0	0.02	0.05	0.02	0.04	50.0-51.0	0.58	133.92	0.41	95.28
4.0-5.0	0.03	0.08	0.02	0.06	51.0-52.0	0.52	134.44	0.37	95.65
5.0-6.0	0.04	0.12	0.03	0.08	52.0-53.0	0.47	134.91	0.33	95.99
6.0-7.0	0.04	0.16	0.03	0.12	53.0-54.0	0.43	135.34	0.31	96.29
7.0-8.0	0.05	0.21	0.03	0.15	54.0-55.0	0.39	135.74	0.28	96.58
8.0-9.0	0.05	0.27	0.04	0.19	55.0-56.0	0.36	136.10	0.26	96.83
9.0-10.0	0.06	0.33	0.04	0.23	56.0-57.0	0.34	136.44	0.24	97.07
10.0-11.0	0.07	0.39	0.05	0.28	57.0-58.0	0.31	136.75	0.22	97.29
11.0-12.0	0.07	0.46	0.05	0.33	58.0-59.0	0.29	137.04	0.21	97.50
12.0-13.0	0.08	0.54	0.05	0.38	59.0-60.0	0.27	137.31	0.19	97.69
13.0-14.0	0.08	0.62	0.06	0.44	60.0-61.0	0.25	137.56	0.18	97.87
14.0-15.0	0.09	0.72	0.07	0.51	61.0-62.0	0.24	137.80	0.17	98.04
15.0-16.0	0.13	0.84	0.09	0.60	62.0-63.0	0.23	138.03	0.16	98.21
16.0-17.0	0.23	1.08	0.17	0.77	63.0-64.0	0.21	138.24	0.15	98.36
17.0-18.0	0.46	1.54	0.33	1.10	64.0-65.0	0.20	138.45	0.14	98.50
18.0-19.0	0.83	2.37	0.59	1.68	65.0-66.0	0.19	138.64	0.14	98.64
19.0-20.0	1.31	3.68	0.93	2.62	66.0-67.0	0.18	138.82	0.13	98.77
20.0-21.0	1.88	5.55	1.34	3.95	67.0-68.0	0.17	138.99	0.12	98.89
21.0-22.0	2.50	8.05	1.78	5.73	68.0-69.0	0.16	139.15	0.11	99.00
22.0-23.0	3.17	11.22	2.25	7.98	69.0-70.0	0.15	139.30	0.11	99.11
23.0-24.0	3.91	15.12	2.78	10.76	70.0-71.0	0.14	139.43	0.10	99.21
24.0-25.0	4.65	19.77	3.31	14.07	71.0-72.0	0.13	139.56	0.09	99.30
25.0-26.0	5.27	25.04	3.75	17.82	72.0-73.0	0.12	139.68	0.08	99.38
26.0-27.0	5.75	30.80	4.09	21.91	73.0-74.0	0.11	139.79	0.08	99.46
27.0-28.0	6.14	36.94	4.37	26.28	74.0-75.0	0.10	139.89	0.07	99.53
28.0-29.0	6.47	43.41	4.60	30.88	75.0-76.0	0.09	139.98	0.07	99.60
29.0-30.0	6.75	50.15	4.80	35.68	76.0-77.0	0.08	140.07	0.06	99.66
30.0-31.0	6.98	57.13	4.96	40.65	77.0-78.0	0.07	140.14	0.05	99.71
31.0-32.0	7.14	64.27	5.08	45.73	78.0-79.0	0.07	140.21	0.05	99.76
32.0-33.0	7.22	71.49	5.14	50.87	79.0-80.0	0.06	140.27	0.04	99.80
33.0-34.0	7.21	78.71	5.13	56.00	80.0-81.0	0.05	140.32	0.04	99.83
34.0-35.0	7.08	85.79	5.04	61.04	81.0-82.0	0.04	140.36	0.03	99.86
35.0-36.0	6.80	92.59	4.84	65.87	82.0-83.0	0.04	140.40	0.03	99.89
36.0-37.0	6.39	98.98	4.55	70.42	83.0-84.0	0.03	140.43	0.02	99.91
37.0-38.0	5.88	104.85	4.18	74.60	84.0-85.0	0.02	140.45	0.02	99.93
38.0-39.0	5.28	110.14	3.76	78.36	85.0-86.0	0.02	140.47	0.01	99.94
39.0-40.0	4.63	114.76	3.29	81.65	86.0-87.0	0.02	140.49	0.01	99.96
40.0-41.0	3.95	118.71	2.81	84.46	87.0-88.0	0.02	140.50	0.01	99.97
41.0-42.0	3.29	122.00	2.34	86.80	88.0-89.0	0.01	140.52	0.01	99.98
42.0-43.0	2.68	124.68	1.91	88.71	89.0-90.0	0.01	140.53	0.01	99.98
43.0-44.0	2.14	126.82	1.52	90.23	90.0-91.0	0.01	140.54	0.01	99.99
44.0-45.0	1.70	128.52	1.21	91.44	91.0-92.0	0.01	140.54	0.00	100.00
45.0-46.0	1.37	129.89	0.97	92.42	92.0-93.0	0.00	140.55	0.00	100.00
46.0-47.0	1.11	131.00	0.79	93.21	93.0-94.0	0.00	140.55	0.00	100.00

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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	140.55	0.00	100.00	141.0-142.0	0.00	140.55	0.00	100.00
95.0-96.0	0.00	140.55	0.00	100.00	142.0-143.0	0.00	140.55	0.00	100.00
96.0-97.0	0.00	140.55	0.00	100.00	143.0-144.0	0.00	140.55	0.00	100.00
97.0-98.0	0.00	140.55	0.00	100.00	144.0-145.0	0.00	140.55	0.00	100.00
98.0-99.0	0.00	140.55	0.00	100.00	145.0-146.0	0.00	140.55	0.00	100.00
99.0-100.0	0.00	140.55	0.00	100.00	146.0-147.0	0.00	140.55	0.00	100.00
100.0-101.0	0.00	140.55	0.00	100.00	147.0-148.0	0.00	140.55	0.00	100.00
101.0-102.0	0.00	140.55	0.00	100.00	148.0-149.0	0.00	140.55	0.00	100.00
102.0-103.0	0.00	140.55	0.00	100.00	149.0-150.0	0.00	140.55	0.00	100.00
103.0-104.0	0.00	140.55	0.00	100.00	150.0-151.0	0.00	140.55	0.00	100.00
104.0-105.0	0.00	140.55	0.00	100.00	151.0-152.0	0.00	140.55	0.00	100.00
105.0-106.0	0.00	140.55	0.00	100.00	152.0-153.0	0.00	140.55	0.00	100.00
106.0-107.0	0.00	140.55	0.00	100.00	153.0-154.0	0.00	140.55	0.00	100.00
107.0-108.0	0.00	140.55	0.00	100.00	154.0-155.0	0.00	140.55	0.00	100.00
108.0-109.0	0.00	140.55	0.00	100.00	155.0-156.0	0.00	140.55	0.00	100.00
109.0-110.0	0.00	140.55	0.00	100.00	156.0-157.0	0.00	140.55	0.00	100.00
110.0-111.0	0.00	140.55	0.00	100.00	157.0-158.0	0.00	140.55	0.00	100.00
111.0-112.0	0.00	140.55	0.00	100.00	158.0-159.0	0.00	140.55	0.00	100.00
112.0-113.0	0.00	140.55	0.00	100.00	159.0-160.0	0.00	140.55	0.00	100.00
113.0-114.0	0.00	140.55	0.00	100.00	160.0-161.0	0.00	140.55	0.00	100.00
114.0-115.0	0.00	140.55	0.00	100.00	161.0-162.0	0.00	140.55	0.00	100.00
115.0-116.0	0.00	140.55	0.00	100.00	162.0-163.0	0.00	140.55	0.00	100.00
116.0-117.0	0.00	140.55	0.00	100.00	163.0-164.0	0.00	140.55	0.00	100.00
117.0-118.0	0.00	140.55	0.00	100.00	164.0-165.0	0.00	140.55	0.00	100.00
118.0-119.0	0.00	140.55	0.00	100.00	165.0-166.0	0.00	140.55	0.00	100.00
119.0-120.0	0.00	140.55	0.00	100.00	166.0-167.0	0.00	140.55	0.00	100.00
120.0-121.0	0.00	140.55	0.00	100.00	167.0-168.0	0.00	140.55	0.00	100.00
121.0-122.0	0.00	140.55	0.00	100.00	168.0-169.0	0.00	140.55	0.00	100.00
122.0-123.0	0.00	140.55	0.00	100.00	169.0-170.0	0.00	140.55	0.00	100.00
123.0-124.0	0.00	140.55	0.00	100.00	170.0-171.0	0.00	140.55	0.00	100.00
124.0-125.0	0.00	140.55	0.00	100.00	171.0-172.0	0.00	140.55	0.00	100.00
125.0-126.0	0.00	140.55	0.00	100.00	172.0-173.0	0.00	140.55	0.00	100.00
126.0-127.0	0.00	140.55	0.00	100.00	173.0-174.0	0.00	140.55	0.00	100.00
127.0-128.0	0.00	140.55	0.00	100.00	174.0-175.0	0.00	140.55	0.00	100.00
128.0-129.0	0.00	140.55	0.00	100.00	175.0-176.0	0.00	140.55	0.00	100.00
129.0-130.0	0.00	140.55	0.00	100.00	176.0-177.0	0.00	140.55	0.00	100.00
130.0-131.0	0.00	140.55	0.00	100.00	177.0-178.0	0.00	140.55	0.00	100.00
131.0-132.0	0.00	140.55	0.00	100.00	178.0-179.0	0.00	140.55	0.00	100.00
132.0-133.0	0.00	140.55	0.00	100.00	179.0-180.0	0.00	140.55	0.00	100.00
133.0-134.0	0.00	140.55	0.00	100.00					
134.0-135.0	0.00	140.55	0.00	100.00					
135.0-136.0	0.00	140.55	0.00	100.00					
136.0-137.0	0.00	140.55	0.00	100.00					
137.0-138.0	0.00	140.55	0.00	100.00					
138.0-139.0	0.00	140.55	0.00	100.00					
139.0-140.0	0.00	140.55	0.00	100.00					
140.0-141.0	0.00	140.55	0.00	100.00					

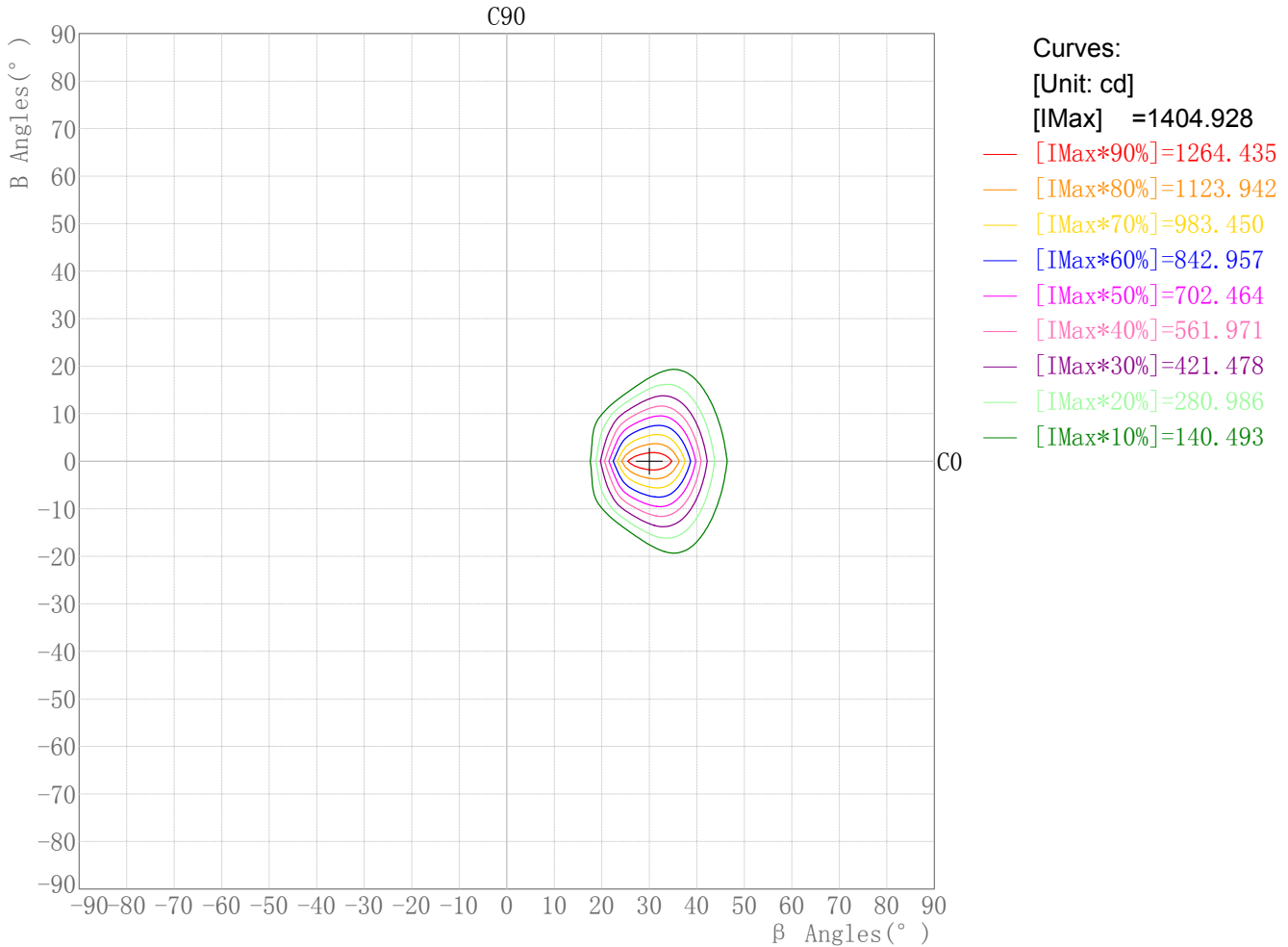
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Rectangle ISO Lighting Intensity Diagram

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 1404.93

Maximum Cand.@Angle: H=30.0°,V=0.0°

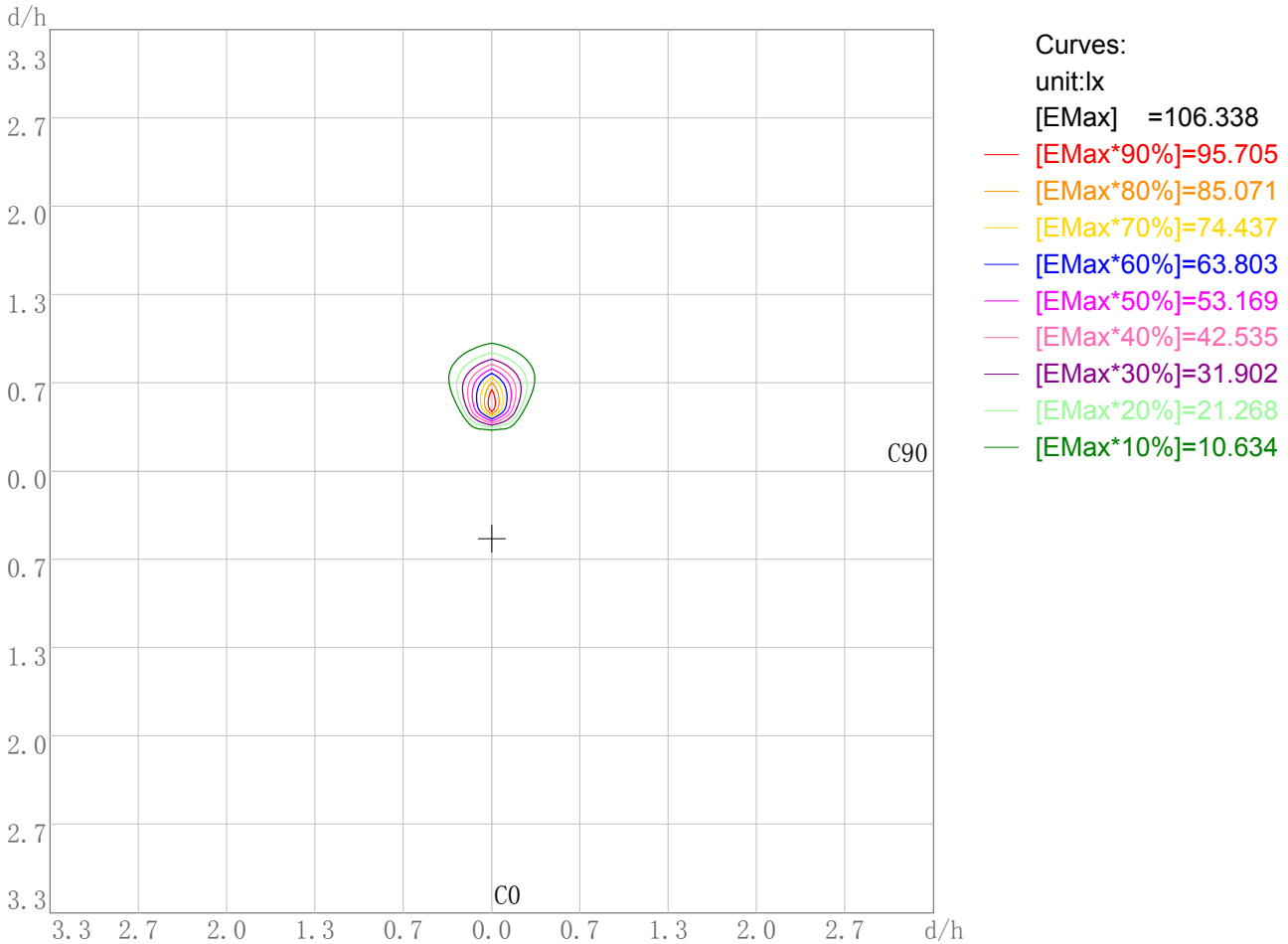
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Plane ISO-Illuminance Diagram

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 106.34

Working Plane Maximum Illuminance Position(d/h):H0.0 V0.5

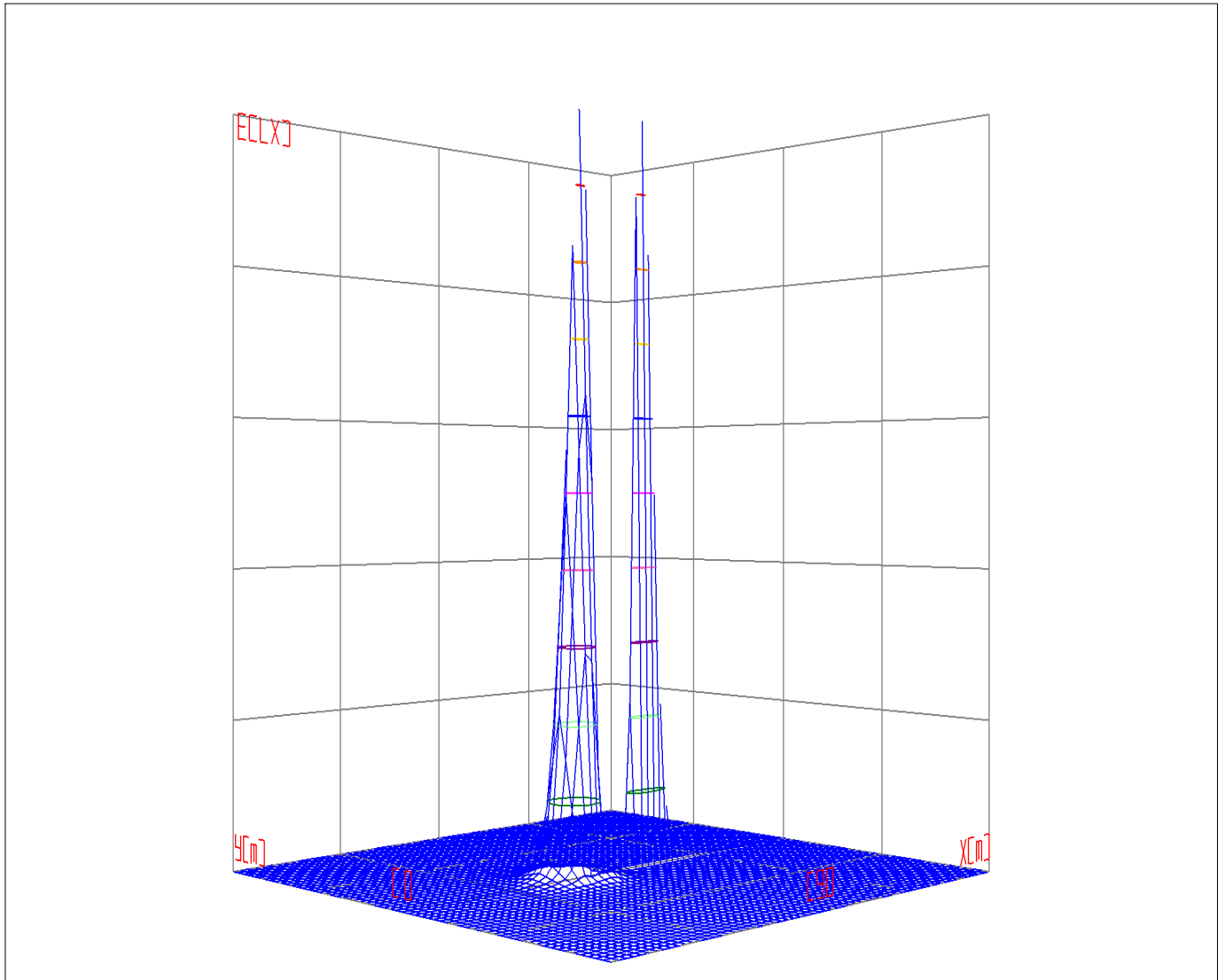
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3D Plane ISO Illuminance Diagram

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

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

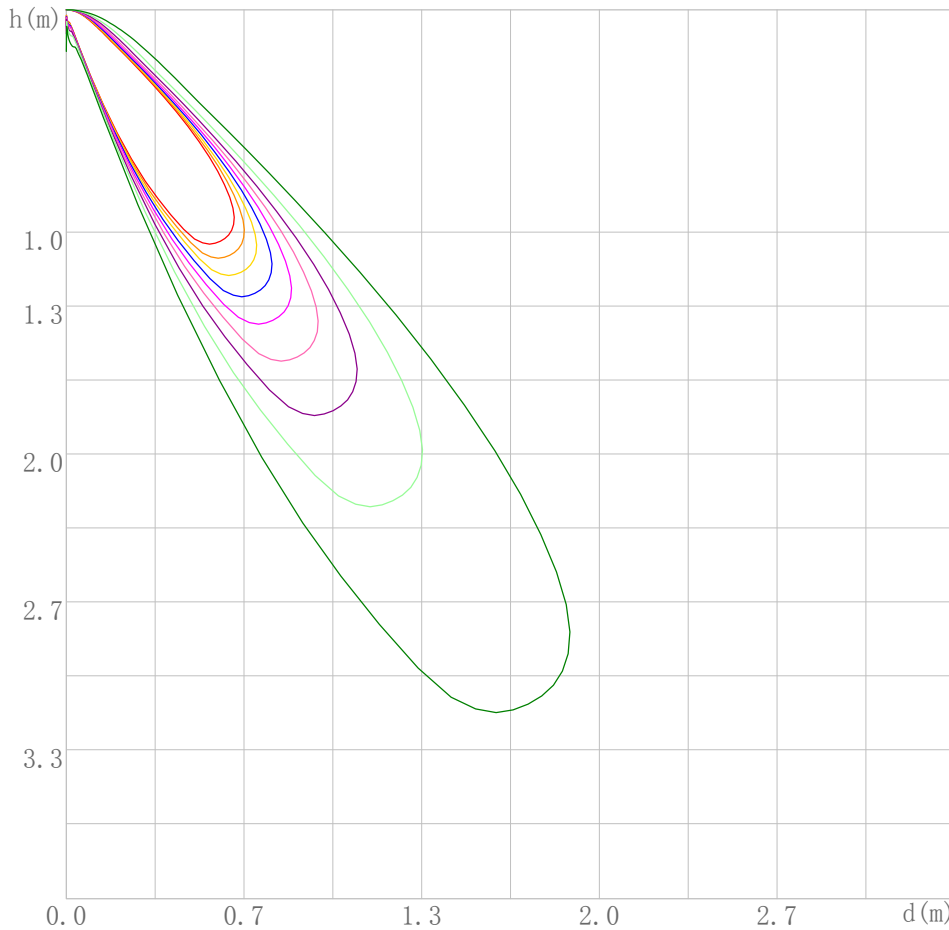
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Space ISO Illuminance Diagram

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =957.045

— [EMax*90%]=861.341

— [EMax*80%]=765.636

— [EMax*70%]=669.932

— [EMax*60%]=574.227

— [EMax*50%]=478.523

— [EMax*40%]=382.818

— [EMax*30%]=287.114

— [EMax*20%]=191.409

— [EMax*10%]=95.705

Space Plane Maximum Illuminance and @Angle:957.05lx,27.0deg

Plane Maximum Lighting Intensity and @Angle:1404.928cd,0deg

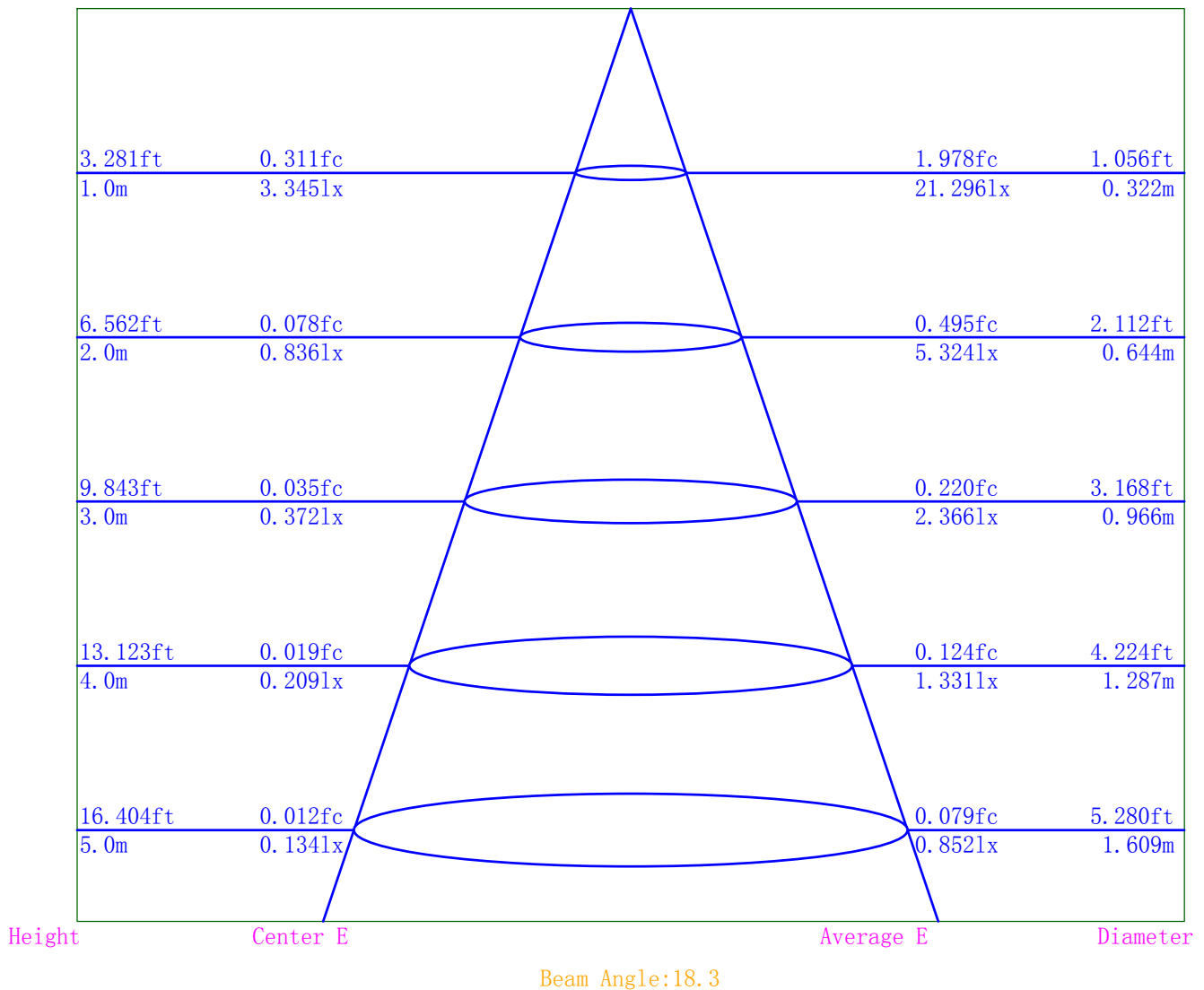
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Illuminance-Distance Diagram

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

Illuminance-Distance Curve



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Indoor Luminance Limiting Curves

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Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2020/08/05

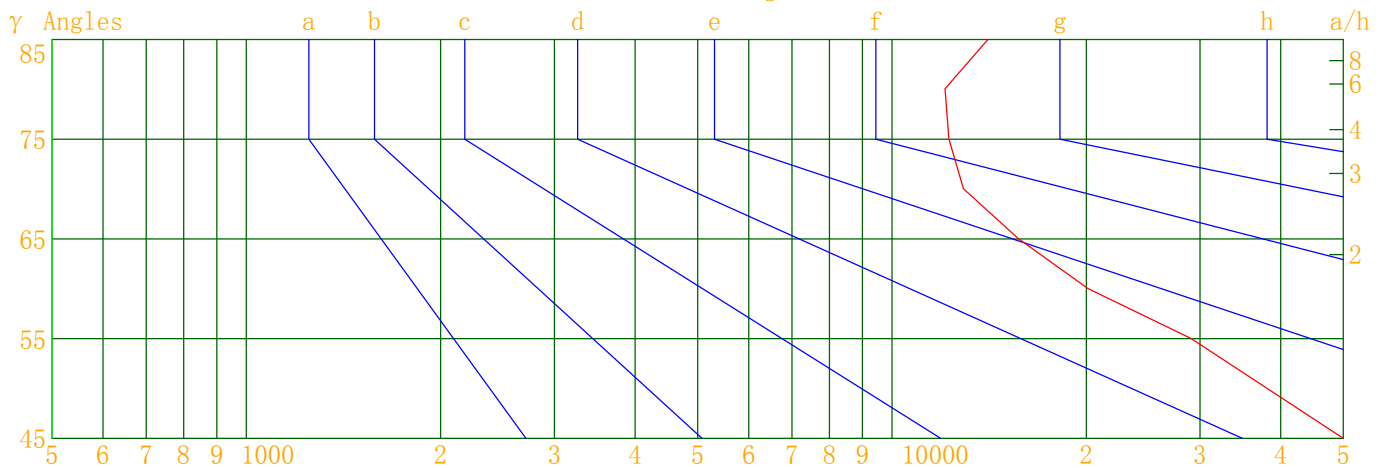
Glare Grade Table

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	143275	50162	29047	20115	15690	12900	12245	12084	14083
C90	0	0	0	0	0	0	0	0	0

Luminance Limiting Curve



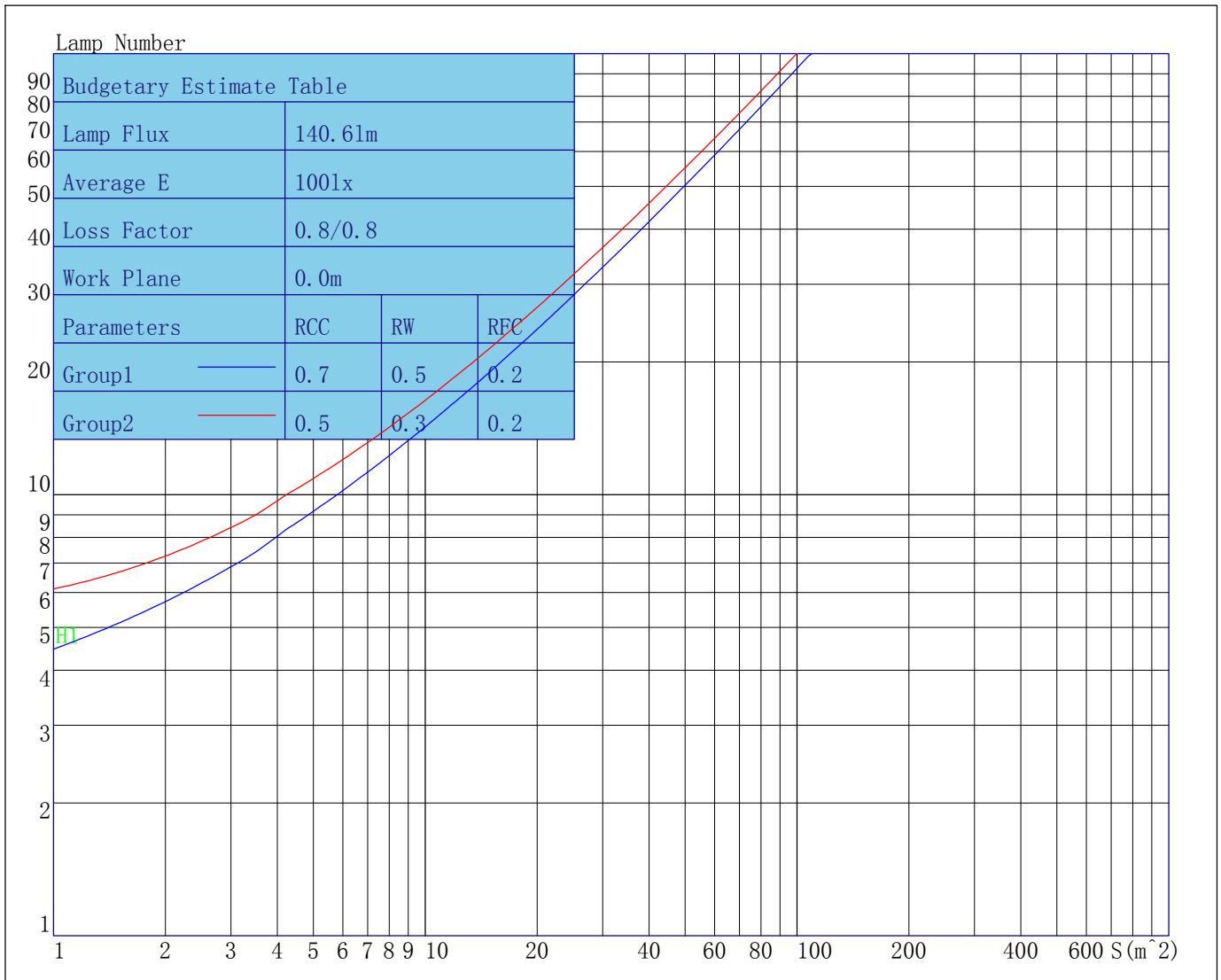
Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

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Indoor Budgetary Estimate Table

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05



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

Photometric Filename:ST01-03-XX-01 2700K RA90 15D 黑.IES

Indoor Coefficient of Utilization Table

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	108	105	103	109	106	104	101	102	100	98	98	97	95	95	93	92	90			
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71			
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56			
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50			
7	72	60	52	47	71	59	52	47	58	51	47	57	51	46	55	50	46	44			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	42	37	33	31			

IES Indoor Report

Photometric Filename:ST01-03-XX-01 2700K RA90 15D 黑.IES

Unified Glare Rating Table

Lum. Name: ST01-03-XX-01 2700K RA90 15D 黑	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: 2020/08/05

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	Viewed crosswise					Viewed endwise				
X=2H Y=2H	33.0	34.2	33.4	34.5	34.8	3.1	4.2	3.5	4.5	4.8
Y=3H	32.9	33.9	33.3	34.2	34.6	2.9	3.9	3.3	4.2	4.6
Y=4H	32.9	33.8	33.3	34.1	34.5	2.8	3.7	3.2	4.1	4.5
Y=6H	32.8	33.6	33.2	34.0	34.4	2.7	3.5	3.1	3.9	4.3
Y=8H	32.7	33.5	33.2	33.9	34.3	2.7	3.4	3.1	3.8	4.2
Y=12H	32.7	33.4	33.1	33.8	34.3	2.6	3.4	3.1	3.7	4.2
X=4H Y=2H	32.8	33.7	33.2	34.0	34.4	7.0	7.9	7.4	8.3	8.7
Y=3H	32.6	33.4	33.1	33.8	34.2	6.9	7.6	7.3	8.0	8.5
Y=4H	32.6	33.2	33.0	33.6	34.1	6.8	7.4	7.2	7.9	8.3
Y=6H	32.5	33.1	33.0	33.5	34.0	6.7	7.3	7.2	7.7	8.2
Y=8H	32.5	33.0	32.9	33.4	33.9	6.6	7.1	7.1	7.6	8.1
Y=12H	32.4	32.9	32.9	33.4	33.8	6.6	7.0	7.1	7.5	8.0
X=8H Y=4H	32.4	32.9	32.9	33.4	33.8	8.3	8.8	8.8	9.3	9.7
Y=6H	32.3	32.7	32.8	33.2	33.8	8.2	8.6	8.7	9.1	9.6
Y=8H	32.3	32.7	32.8	33.2	33.7	8.1	8.5	8.7	9.0	9.5
Y=12H	32.3	32.6	32.8	33.1	33.7	8.1	8.4	8.6	8.9	9.5
X=12H Y=4H	32.3	32.8	32.8	33.3	33.8	8.5	9.0	9.0	9.5	9.9
Y=6H	32.3	32.6	32.8	33.1	33.7	8.4	8.8	9.0	9.3	9.8
Y=8H	32.2	32.6	32.8	33.1	33.6	8.4	8.7	8.9	9.2	9.8
Variations with the observer position at spacings										
S=1.0H	0.4/-0.4					3.5/-7.7				
S=1.5H	0.7/-0.7					3.4/-6.6				
S=2.0H	2.0/-1.3					4.2/-6.4				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	0.1					3.1				

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

IES Indoor Report

Photometric Filename:ST01-03-XX-01 2700K RA90 15D 黑.IES

Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
γ 0.0	3.35	3.35	3.35	3.35	3.35	3.35	3.35
γ 1.0	0.52	0.22	5.23	8.56	2.37	2.27	4.11
γ 2.0	0.89	0.41	5.75	8.26	2.12	2.07	3.67
γ 3.0	1.26	0.63	6.27	7.96	1.88	1.85	3.26
γ 4.0	1.64	0.85	6.80	7.60	1.68	1.64	2.85
γ 5.0	1.98	1.07	7.31	7.23	1.49	1.43	2.46
γ 6.0	2.26	1.30	7.80	6.83	1.32	1.22	2.11
γ 7.0	2.48	1.50	8.28	6.43	1.14	1.01	1.78
γ 8.0	2.65	1.72	8.72	6.02	1.00	0.83	1.49
γ 9.0	2.74	1.92	9.11	5.61	0.85	0.65	1.23
γ 10.0	2.79	2.13	9.45	5.20	0.72	0.48	0.99
γ 11.0	2.82	2.33	9.75	4.80	0.57	0.33	0.76
γ 12.0	3.11	2.53	9.98	4.40	0.46	0.18	0.55
γ 13.0	4.06	2.75	10.15	4.03	0.33	0.04	0.36
γ 14.0	5.27	2.97	10.24	3.67	0.22	0.00	0.20
γ 15.0	9.08	3.31	10.27	3.34	0.11	0.00	0.03
γ 16.0	25.61	3.79	10.23	3.03	0.01	0.00	0.00
γ 17.0	84.23	4.57	10.13	2.71	0.00	0.00	0.00
γ 18.0	183.20	5.53	9.98	2.43	0.00	0.00	0.00
γ 19.0	314.82	6.62	9.74	2.16	0.00	0.00	0.00
γ 20.0	467.66	7.75	9.46	1.92	0.00	0.00	0.00
γ 21.0	627.23	9.47	9.15	1.67	0.00	0.00	0.00
γ 22.0	779.42	12.00	8.78	1.46	0.00	0.00	0.00
γ 23.0	937.87	14.66	8.36	1.25	0.00	0.00	0.00
γ 24.0	1101.62	18.97	7.96	1.07	0.00	0.00	0.00
γ 25.0	1230.37	24.76	7.52	0.89	0.00	0.00	0.00
γ 26.0	1304.74	30.80	7.08	0.73	0.00	0.00	0.00
γ 27.0	1352.97	35.94	6.62	0.56	0.00	0.00	0.00
γ 28.0	1379.73	39.80	6.19	0.41	0.00	0.00	0.00
γ 29.0	1396.21	42.88	5.76	0.28	0.00	0.00	0.00
γ 30.0	1404.93	44.52	5.36	0.15	0.00	0.00	0.00
γ 31.0	1403.97	44.73	4.97	0.03	0.00	0.00	0.00
γ 32.0	1389.82	44.03	4.60	0.00	0.00	0.00	0.00
γ 33.0	1362.03	42.48	4.26	0.00	0.00	0.00	0.00
γ 34.0	1316.47	40.28	3.93	0.00	0.00	0.00	0.00
γ 35.0	1247.31	37.70	3.63	0.00	0.00	0.00	0.00
γ 36.0	1156.06	35.04	3.37	0.00	0.00	0.00	0.00
γ 37.0	1047.05	32.31	3.13	0.00	0.00	0.00	0.00
γ 38.0	929.28	29.72	2.89	0.00	0.00	0.00	0.00
γ 39.0	803.31	27.38	2.67	0.00	0.00	0.00	0.00
γ 40.0	673.83	25.13	2.45	0.00	0.00	0.00	0.00
γ 41.0	550.01	23.02	2.27	0.00	0.00	0.00	0.00
γ 42.0	440.29	20.94	2.10	0.00	0.00	0.00	0.00
γ 43.0	340.75	19.04	1.92	0.00	0.00	0.00	0.00
γ 44.0	259.56	17.31	1.76	0.00	0.00	0.00	0.00
γ 45.0	198.92	15.79	1.60	0.00	0.00	0.00	0.00
γ 46.0	153.72	14.51	1.45	0.00	0.00	0.00	0.00
