

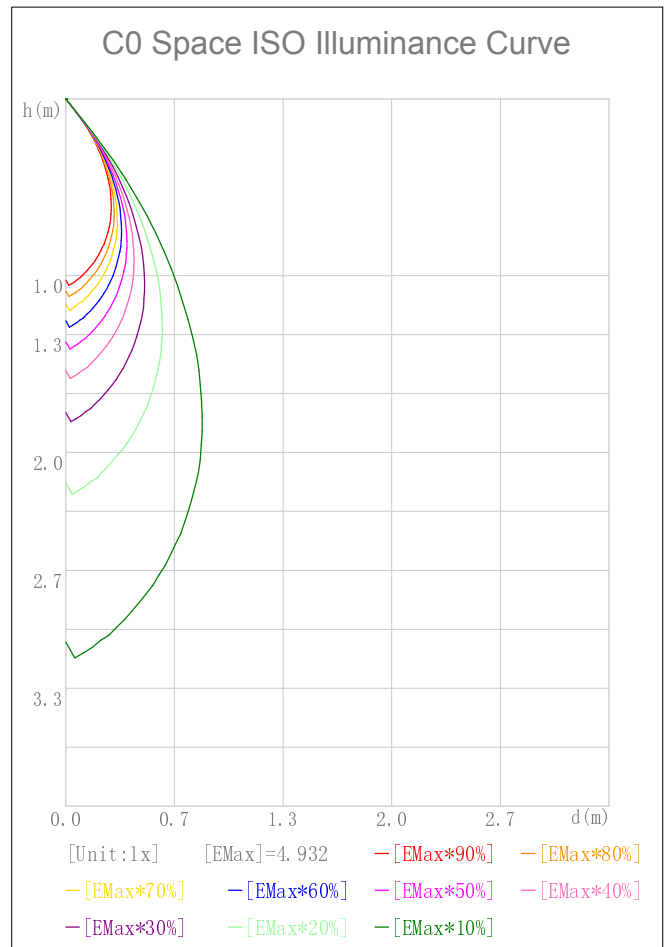
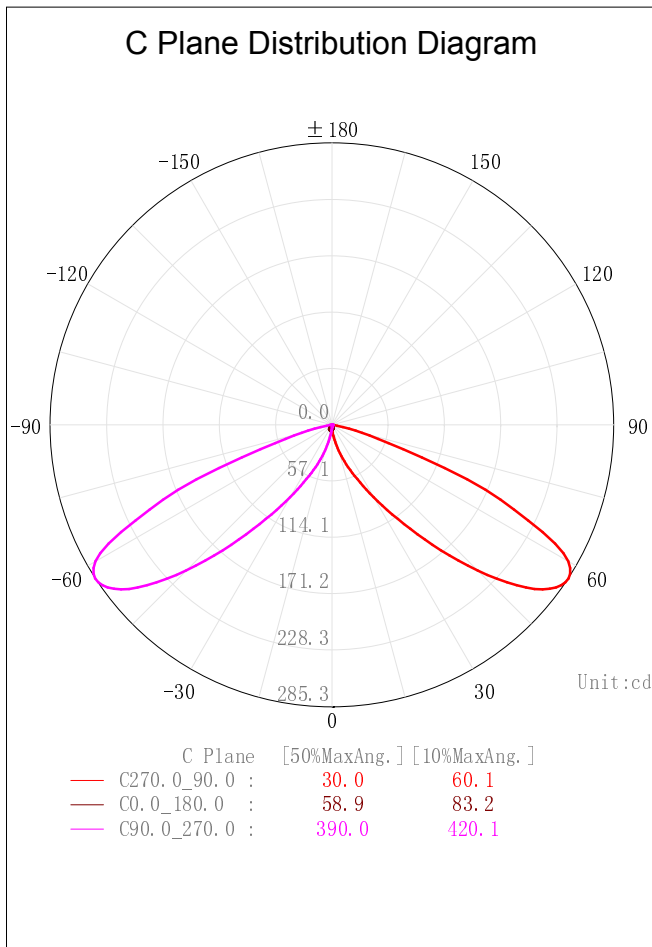
**Indoor Luminaire Photometric Data**

**Description Information**

Luminaire Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2023/09/25
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.050m*-0.050m*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**

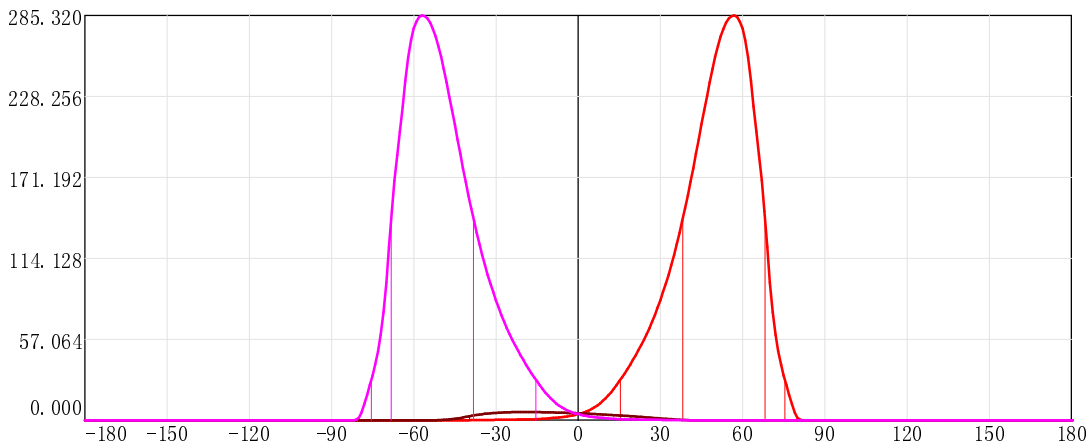
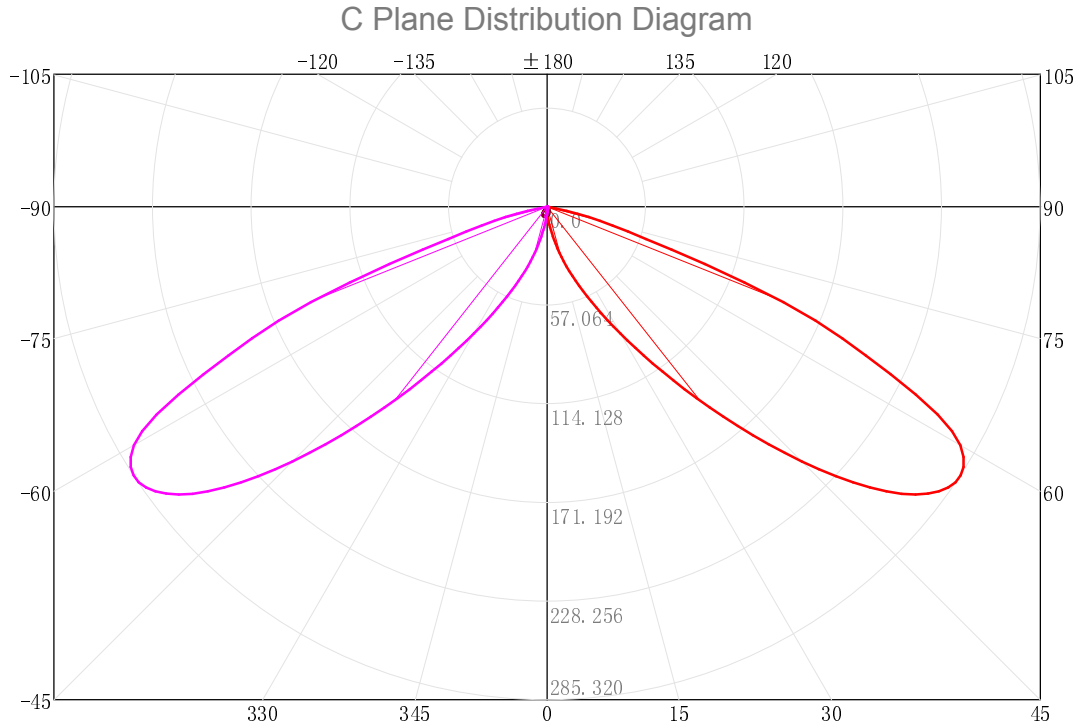
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 120.530	Luminaire Flux(lm): 120.526	Field Angle(10%Imax): 60.1(°)	
Rated Power(W):	Luminaire Efficiency: 100.00%	Down Lumens&Percent: 120.316lm 99.83%	
Rated Voltage(V):	Luminaire EER(lm/W): 42.649	Up Lumens&Percent: 0.210lm 0.17%	
Tested Power(W): 2.826	Max. Candela(cd): 285.320	S/MH: C0_a180=1.078 C90_270=3.064	
Lamps' Inside: 1	Max Cand@Ang. (°): C=270.0 γ=57.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf): 120.5, 0.043, 0.534	Beam Angle(50%Imax): 30.0(°)	ErP Φ use(90°): 42.832lm	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=38.2°, Right=68.2°	IRF(%): 361.397	



**IES Indoor Report**  
**Photometric Filename:LPA101 (RD) 3W.IES**

**2D Plane Light Intensity Distribution Curve**

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C270.0_90.0 :	30.0	60.1	
—	C0.0_180.0 :	58.9	83.2	
—	C90.0_270.0 :	390.0	420.1	

**IES Indoor Report**

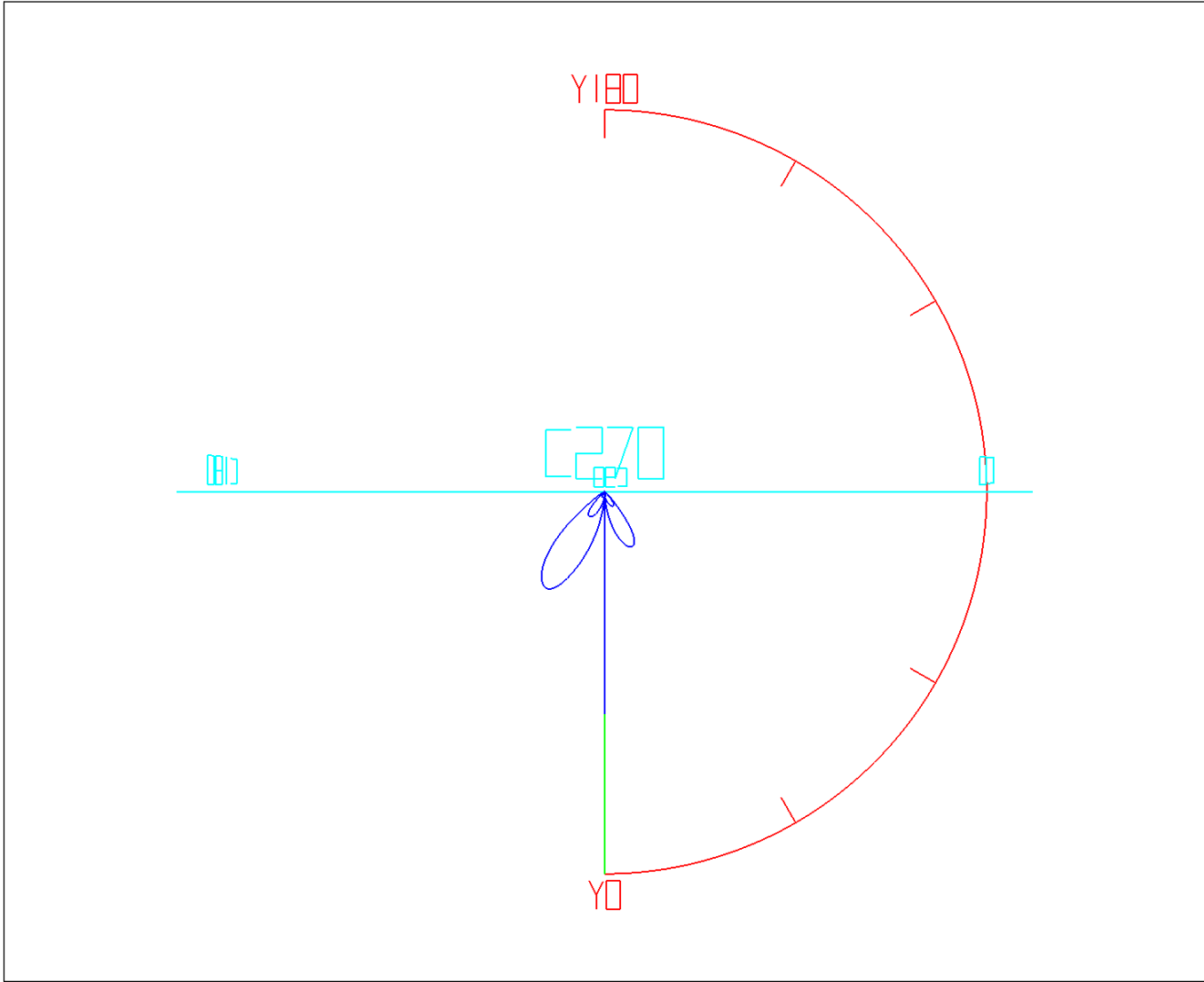
**Photometric Filename:LPA101 (RD) 3W.IES**

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**3D Light Intensity Distribution Modal**

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25

**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

Photometric Filename:LPA101 (RD) 3W.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	0.00	0.00	0.00	0.00	47.0-48.0	3.12	49.50	2.59	41.07
1.0-2.0	0.01	0.02	0.01	0.01	48.0-49.0	3.23	52.73	2.68	43.75
2.0-3.0	0.02	0.04	0.02	0.03	49.0-50.0	3.32	56.05	2.76	46.50
3.0-4.0	0.03	0.07	0.03	0.06	50.0-51.0	3.41	59.46	2.83	49.34
4.0-5.0	0.04	0.12	0.04	0.10	51.0-52.0	3.49	62.95	2.90	52.23
5.0-6.0	0.05	0.17	0.05	0.14	52.0-53.0	3.55	66.51	2.95	55.18
6.0-7.0	0.07	0.24	0.06	0.20	53.0-54.0	3.60	70.11	2.99	58.17
7.0-8.0	0.08	0.32	0.07	0.26	54.0-55.0	3.64	73.75	3.02	61.19
8.0-9.0	0.10	0.42	0.08	0.35	55.0-56.0	3.64	77.39	3.02	64.21
9.0-10.0	0.12	0.53	0.10	0.44	56.0-57.0	3.63	81.02	3.01	67.22
10.0-11.0	0.14	0.67	0.11	0.56	57.0-58.0	3.60	84.62	2.99	70.21
11.0-12.0	0.16	0.83	0.13	0.69	58.0-59.0	3.54	88.17	2.94	73.15
12.0-13.0	0.19	1.02	0.15	0.84	59.0-60.0	3.46	91.63	2.87	76.02
13.0-14.0	0.22	1.23	0.18	1.02	60.0-61.0	3.36	94.99	2.79	78.81
14.0-15.0	0.25	1.48	0.21	1.23	61.0-62.0	3.23	98.22	2.68	81.49
15.0-16.0	0.28	1.76	0.23	1.46	62.0-63.0	3.06	101.28	2.54	84.03
16.0-17.0	0.32	2.08	0.27	1.73	63.0-64.0	2.86	104.14	2.37	86.40
17.0-18.0	0.36	2.44	0.30	2.03	64.0-65.0	2.64	106.78	2.19	88.59
18.0-19.0	0.41	2.85	0.34	2.37	65.0-66.0	2.41	109.19	2.00	90.59
19.0-20.0	0.45	3.31	0.38	2.74	66.0-67.0	2.17	111.36	1.80	92.40
20.0-21.0	0.51	3.81	0.42	3.16	67.0-68.0	1.89	113.26	1.57	93.97
21.0-22.0	0.56	4.37	0.46	3.63	68.0-69.0	1.59	114.85	1.32	95.28
22.0-23.0	0.62	4.99	0.51	4.14	69.0-70.0	1.28	116.13	1.06	96.35
23.0-24.0	0.68	5.67	0.56	4.70	70.0-71.0	1.01	117.14	0.84	97.18
24.0-25.0	0.74	6.41	0.62	5.32	71.0-72.0	0.79	117.93	0.66	97.84
25.0-26.0	0.81	7.22	0.67	5.99	72.0-73.0	0.63	118.56	0.52	98.37
26.0-27.0	0.88	8.10	0.73	6.72	73.0-74.0	0.51	119.07	0.42	98.79
27.0-28.0	0.95	9.05	0.79	7.51	74.0-75.0	0.40	119.47	0.33	99.12
28.0-29.0	1.03	10.08	0.86	8.37	75.0-76.0	0.32	119.79	0.26	99.38
29.0-30.0	1.12	11.20	0.93	9.29	76.0-77.0	0.24	120.02	0.20	99.58
30.0-31.0	1.20	12.40	1.00	10.29	77.0-78.0	0.16	120.18	0.13	99.71
31.0-32.0	1.29	13.69	1.07	11.36	78.0-79.0	0.09	120.27	0.07	99.78
32.0-33.0	1.39	15.08	1.15	12.51	79.0-80.0	0.04	120.30	0.03	99.81
33.0-34.0	1.49	16.56	1.23	13.74	80.0-81.0	0.01	120.31	0.01	99.82
34.0-35.0	1.59	18.15	1.32	15.06	81.0-82.0	0.00	120.32	0.00	99.82
35.0-36.0	1.70	19.85	1.41	16.47	82.0-83.0	0.00	120.32	0.00	99.82
36.0-37.0	1.81	21.65	1.50	17.97	83.0-84.0	0.00	120.32	0.00	99.82
37.0-38.0	1.92	23.58	1.60	19.56	84.0-85.0	0.00	120.32	0.00	99.82
38.0-39.0	2.04	25.62	1.69	21.26	85.0-86.0	0.00	120.32	0.00	99.82
39.0-40.0	2.16	27.78	1.80	23.05	86.0-87.0	0.00	120.32	0.00	99.82
40.0-41.0	2.29	30.07	1.90	24.95	87.0-88.0	0.00	120.32	0.00	99.82
41.0-42.0	2.41	32.48	2.00	26.95	88.0-89.0	0.00	120.32	0.00	99.82
42.0-43.0	2.54	35.02	2.10	29.06	89.0-90.0	0.00	120.32	0.00	99.82
43.0-44.0	2.66	37.68	2.21	31.26	90.0-91.0	0.00	120.32	0.00	99.82
44.0-45.0	2.78	40.46	2.31	33.57	91.0-92.0	0.00	120.32	0.00	99.82
45.0-46.0	2.90	43.36	2.41	35.98	92.0-93.0	0.00	120.32	0.00	99.82
46.0-47.0	3.01	46.38	2.50	38.48	93.0-94.0	0.00	120.32	0.00	99.82

# IES Indoor Report

Photometric Filename:LPA101 (RD) 3W.IES

## 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	120.32	0.00	99.82	141.0-142.0	0.00	120.49	0.00	99.97
95.0-96.0	0.00	120.32	0.00	99.82	142.0-143.0	0.00	120.49	0.00	99.97
96.0-97.0	0.00	120.32	0.00	99.82	143.0-144.0	0.00	120.50	0.00	99.97
97.0-98.0	0.00	120.32	0.00	99.82	144.0-145.0	0.00	120.50	0.00	99.98
98.0-99.0	0.00	120.32	0.00	99.82	145.0-146.0	0.00	120.51	0.00	99.98
99.0-100.0	0.00	120.32	0.00	99.82	146.0-147.0	0.00	120.51	0.00	99.98
100.0-101.0	0.00	120.32	0.00	99.82	147.0-148.0	0.00	120.51	0.00	99.99
101.0-102.0	0.00	120.32	0.00	99.82	148.0-149.0	0.00	120.52	0.00	99.99
102.0-103.0	0.00	120.32	0.00	99.82	149.0-150.0	0.00	120.52	0.00	99.99
103.0-104.0	0.00	120.32	0.00	99.82	150.0-151.0	0.00	120.52	0.00	99.99
104.0-105.0	0.00	120.32	0.00	99.82	151.0-152.0	0.00	120.52	0.00	99.99
105.0-106.0	0.00	120.32	0.00	99.82	152.0-153.0	0.00	120.52	0.00	99.99
106.0-107.0	0.00	120.32	0.00	99.82	153.0-154.0	0.00	120.52	0.00	100.00
107.0-108.0	0.00	120.32	0.00	99.82	154.0-155.0	0.00	120.53	0.00	100.00
108.0-109.0	0.00	120.32	0.00	99.82	155.0-156.0	0.00	120.53	0.00	100.00
109.0-110.0	0.00	120.32	0.00	99.82	156.0-157.0	0.00	120.53	0.00	100.00
110.0-111.0	0.00	120.32	0.00	99.82	157.0-158.0	0.00	120.53	0.00	100.00
111.0-112.0	0.00	120.32	0.00	99.83	158.0-159.0	0.00	120.53	0.00	100.00
112.0-113.0	0.00	120.32	0.00	99.83	159.0-160.0	0.00	120.53	0.00	100.00
113.0-114.0	0.00	120.32	0.00	99.83	160.0-161.0	0.00	120.53	0.00	100.00
114.0-115.0	0.00	120.33	0.00	99.83	161.0-162.0	0.00	120.53	0.00	100.00
115.0-116.0	0.00	120.33	0.00	99.84	162.0-163.0	0.00	120.53	0.00	100.00
116.0-117.0	0.00	120.34	0.00	99.84	163.0-164.0	0.00	120.53	0.00	100.00
117.0-118.0	0.00	120.34	0.00	99.84	164.0-165.0	0.00	120.53	0.00	100.00
118.0-119.0	0.00	120.35	0.00	99.85	165.0-166.0	0.00	120.53	0.00	100.00
119.0-120.0	0.01	120.35	0.00	99.85	166.0-167.0	0.00	120.53	0.00	100.00
120.0-121.0	0.01	120.36	0.00	99.86	167.0-168.0	0.00	120.53	0.00	100.00
121.0-122.0	0.01	120.36	0.00	99.86	168.0-169.0	0.00	120.53	0.00	100.00
122.0-123.0	0.01	120.37	0.01	99.87	169.0-170.0	0.00	120.53	0.00	100.00
123.0-124.0	0.01	120.37	0.01	99.87	170.0-171.0	0.00	120.53	0.00	100.00
124.0-125.0	0.01	120.38	0.01	99.88	171.0-172.0	0.00	120.53	0.00	100.00
125.0-126.0	0.01	120.39	0.01	99.88	172.0-173.0	0.00	120.53	0.00	100.00
126.0-127.0	0.01	120.39	0.01	99.89	173.0-174.0	0.00	120.53	0.00	100.00
127.0-128.0	0.01	120.40	0.01	99.89	174.0-175.0	0.00	120.53	0.00	100.00
128.0-129.0	0.01	120.41	0.01	99.90	175.0-176.0	0.00	120.53	0.00	100.00
129.0-130.0	0.01	120.41	0.01	99.90	176.0-177.0	0.00	120.53	0.00	100.00
130.0-131.0	0.01	120.42	0.01	99.91	177.0-178.0	0.00	120.53	0.00	100.00
131.0-132.0	0.01	120.43	0.01	99.92	178.0-179.0	0.00	120.53	0.00	100.00
132.0-133.0	0.01	120.44	0.01	99.92	179.0-180.0	0.00	120.53	0.00	100.00
133.0-134.0	0.01	120.44	0.01	99.93					
134.0-135.0	0.01	120.45	0.01	99.93					
135.0-136.0	0.01	120.46	0.01	99.94					
136.0-137.0	0.01	120.46	0.01	99.94					
137.0-138.0	0.01	120.47	0.01	99.95					
138.0-139.0	0.01	120.47	0.00	99.95					
139.0-140.0	0.01	120.48	0.00	99.96					
140.0-141.0	0.01	120.48	0.00	99.96					

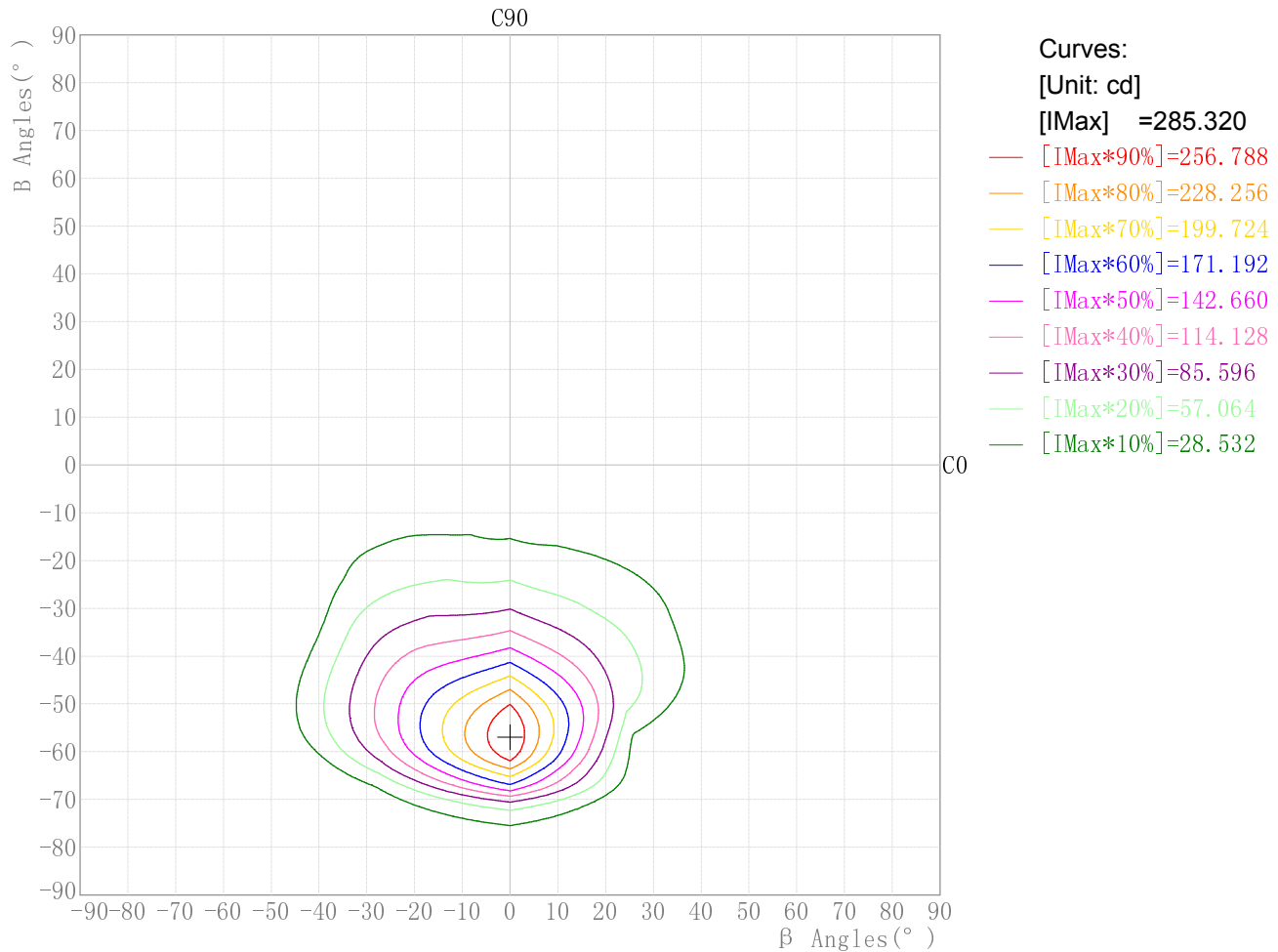
# IES Indoor Report

Photometric Filename:LPA101 (RD) 3W.IES

## Rectangle ISO Lighting Intensity Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25

### ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 285.32

Maximum Cand.@Angle: H=-0.0°,V=-57.0°

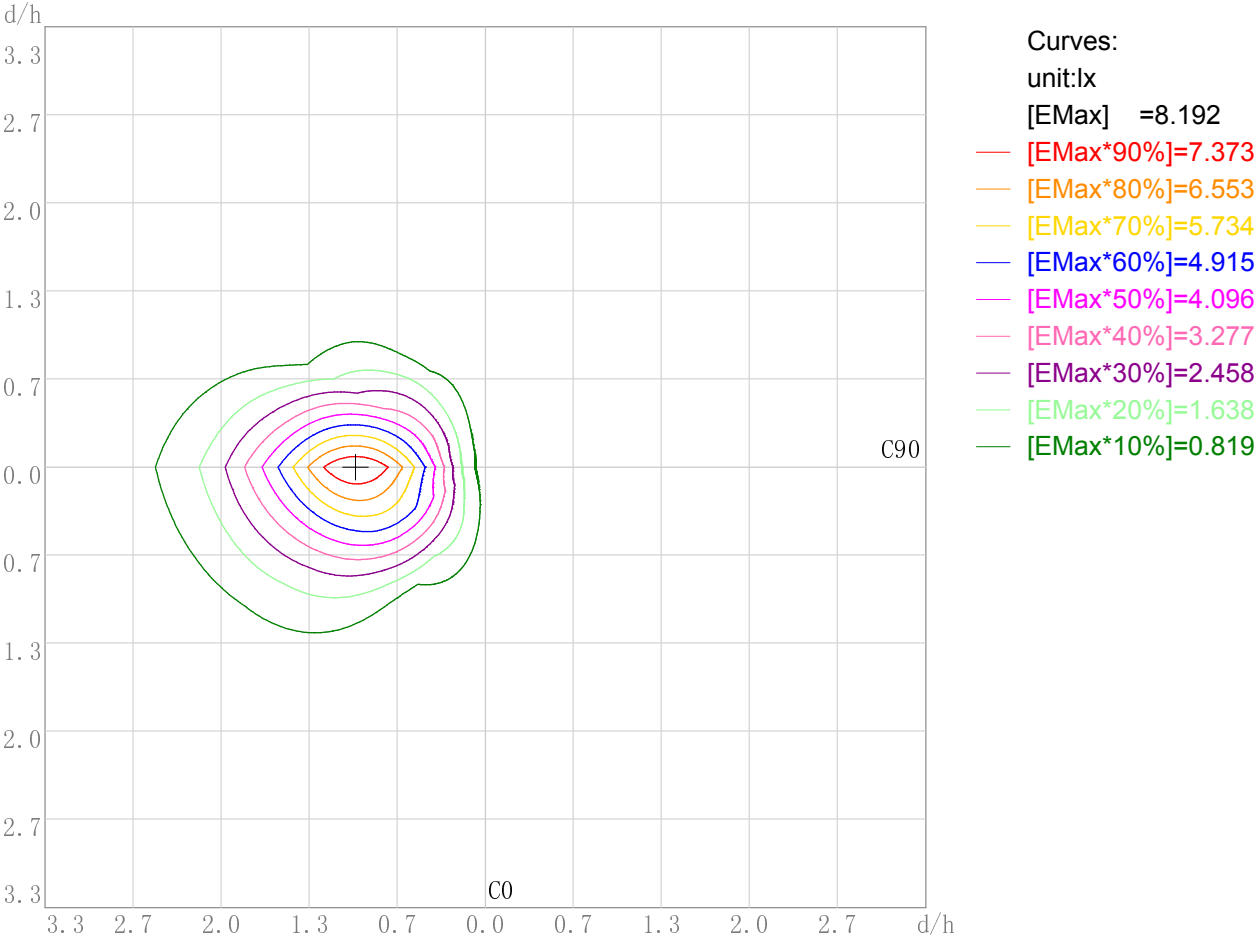
# IES Indoor Report

Photometric Filename:LPA101 (RD) 3W.IES

## Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 8.19  
Working Plane Maximum Illuminance Position(d/h):H-1.0 V-0.0

**IES Indoor Report**

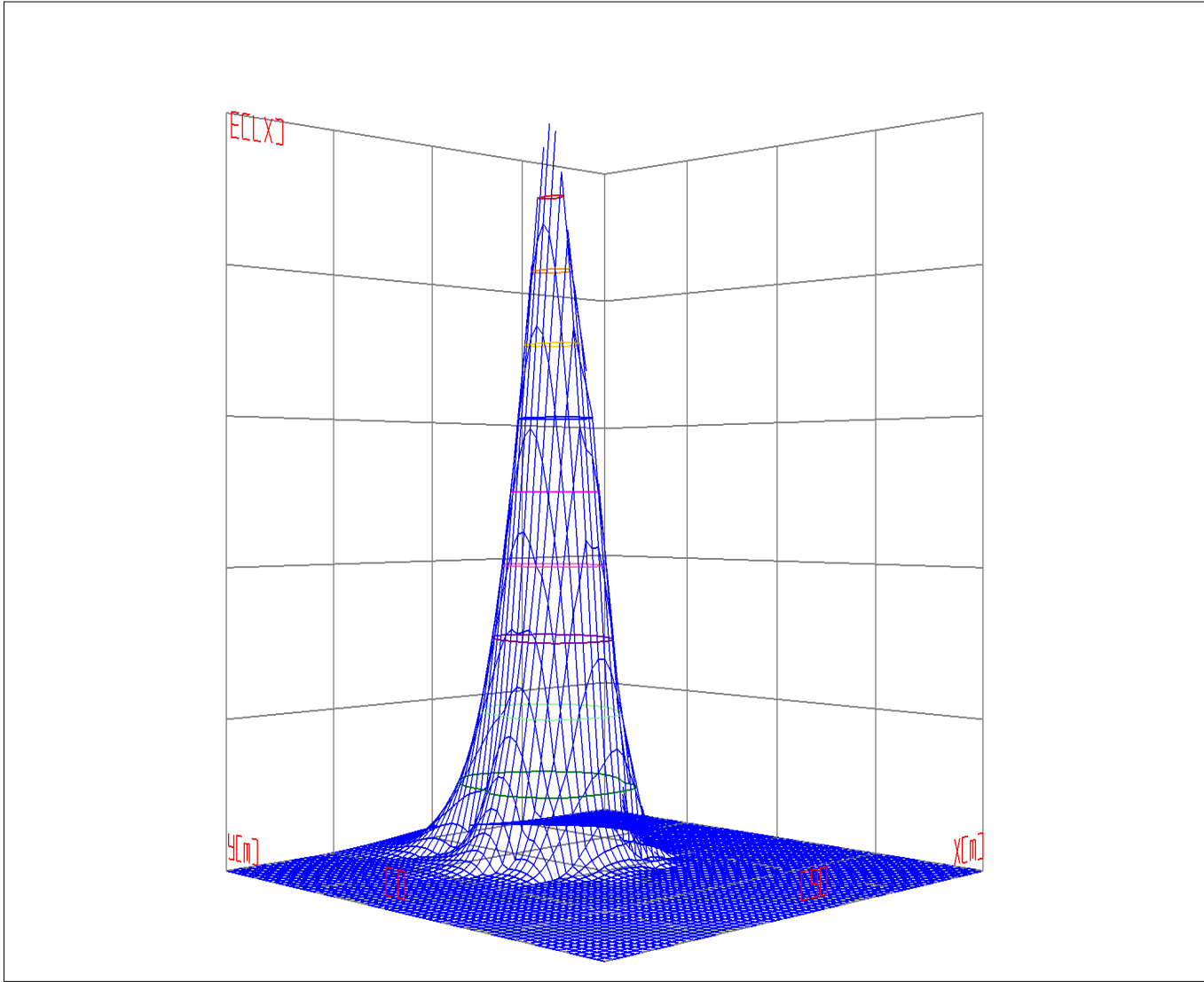
**Photometric Filename:LPA101 (RD) 3W.IES**

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**3D Plane ISO Illuminance Diagram**

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25

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

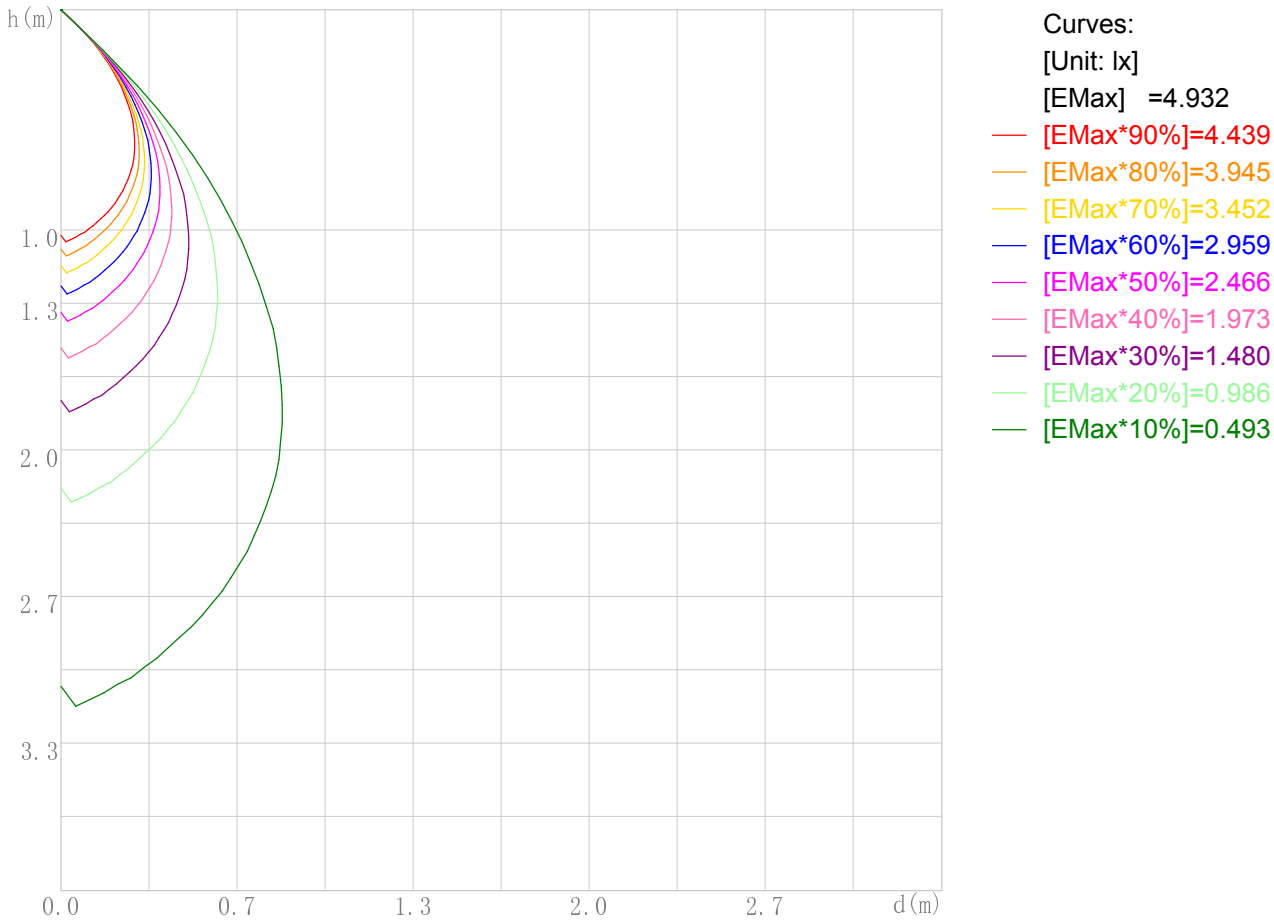
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**Space ISO Illuminance Diagram**

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:4.93lx,1.0deg  
 Plane Maximum Lighting Intensity and @Angle:4.934cd,0deg

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**IES Indoor Report**

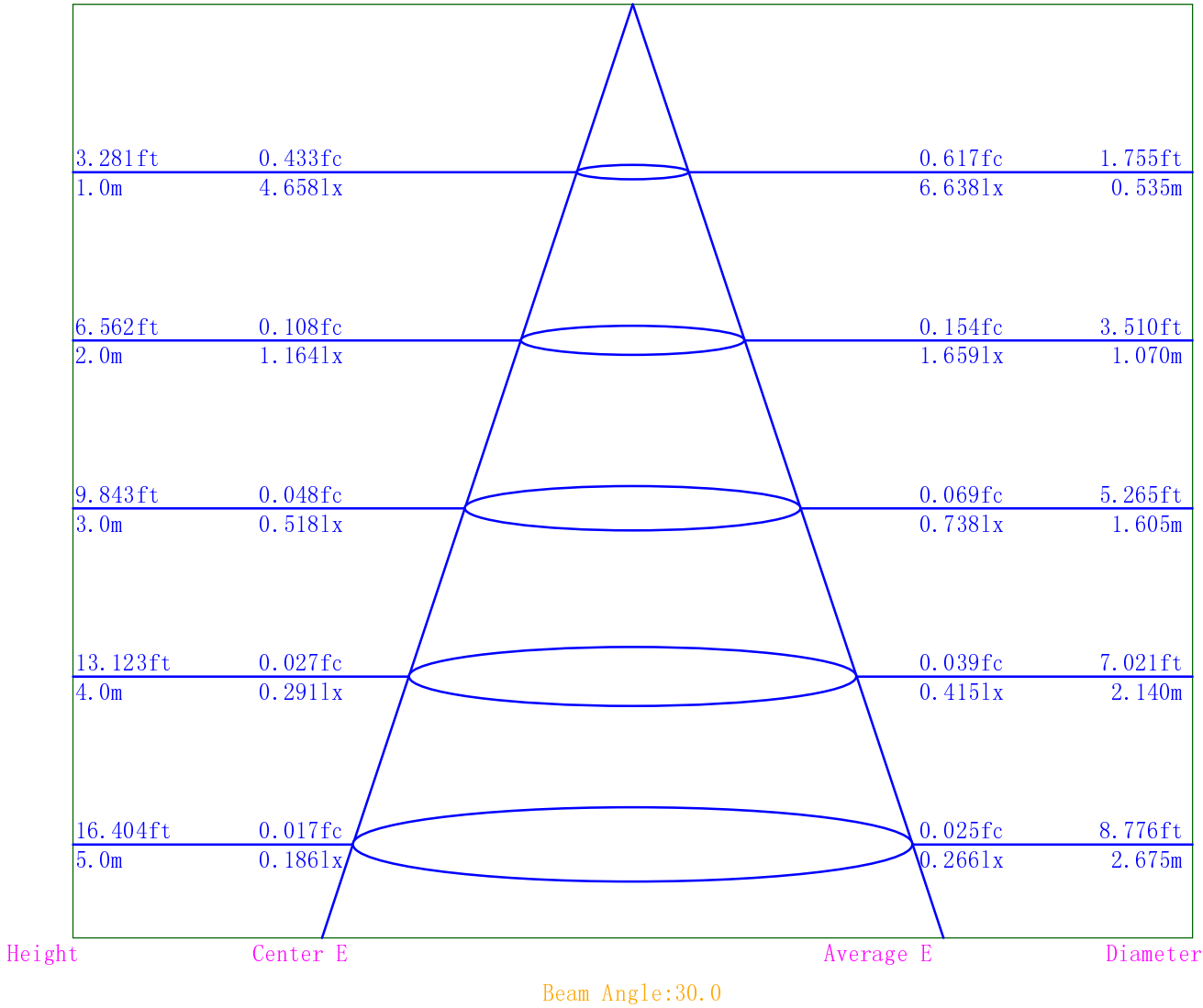
**Photometric Filename:LPA101 (RD) 3W.IES**

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**Illuminance-Distance Diagram**

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25

**Illuminance-Distance Curve**



### Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/09/25

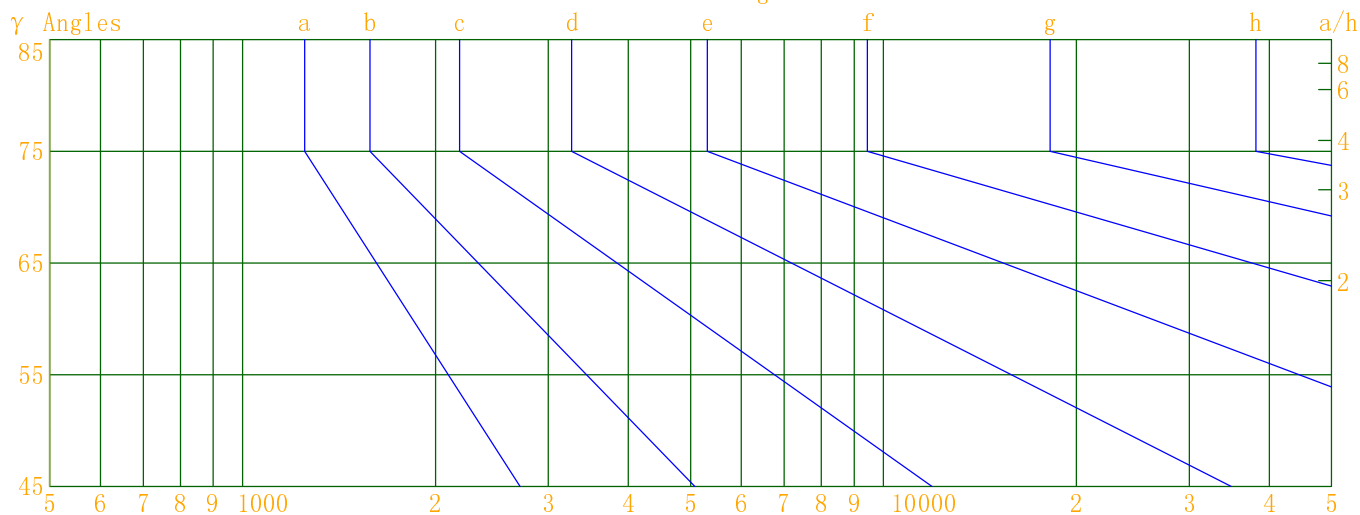
Glare Grade Table

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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

Luminance Limiting Curve



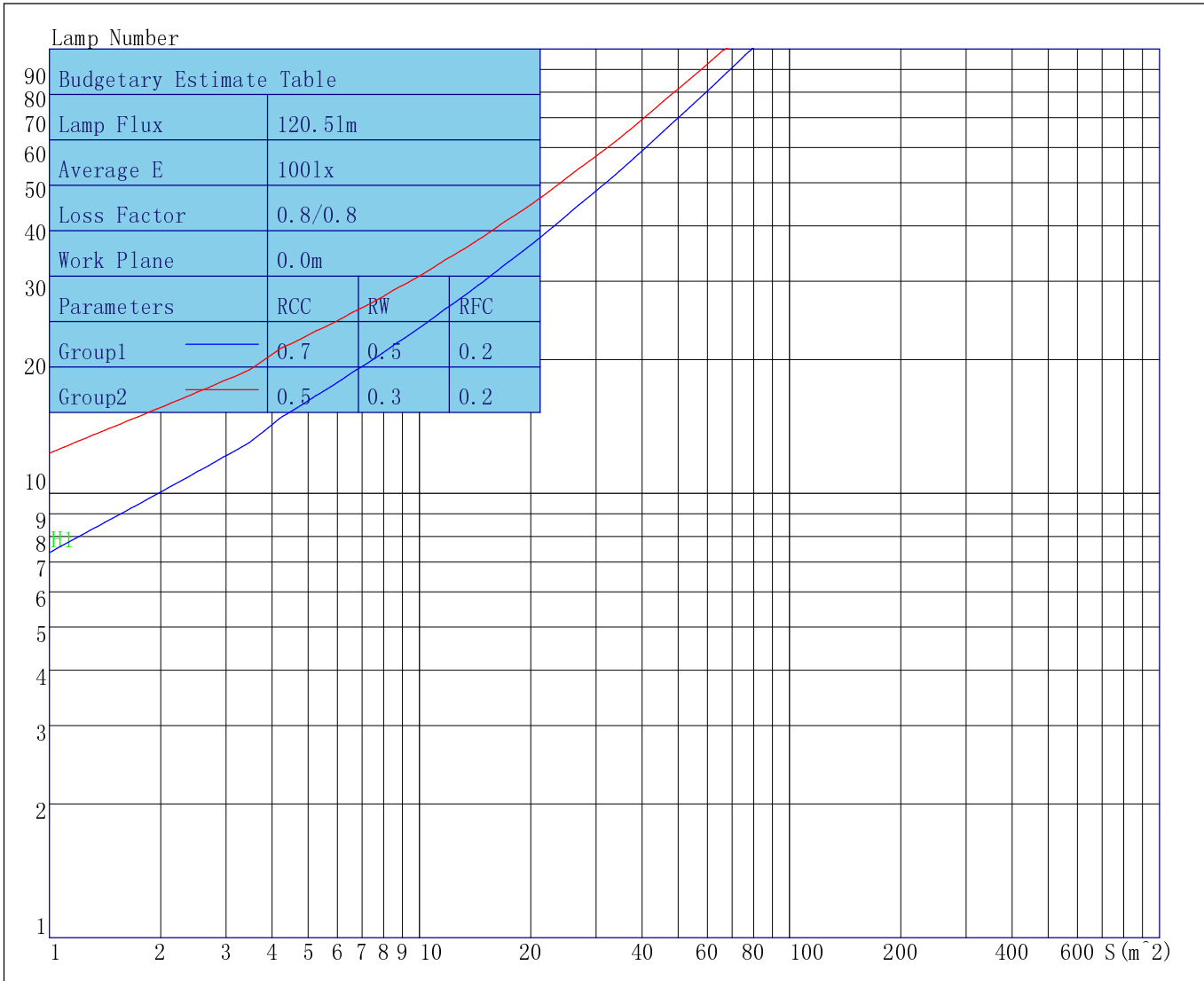
Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:LPA101 (RD) 3W.IES

## Indoor Budgetary Estimate Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25



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:LPA101 (RD) 3W.IES

## Indoor Coefficient of Utilization Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25

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	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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83			
2	97	88	80	74	94	86	79	73	82	76	71	79	74	70	76	72	68	66			
3	86	75	65	58	84	73	64	58	70	62	56	67	61	55	64	59	54	52			
4	77	64	54	46	75	62	53	46	60	52	45	57	50	44	55	49	44	41			
5	70	55	45	37	67	54	44	37	51	43	36	49	42	36	47	41	36	33			
6	63	48	38	30	61	47	37	30	45	36	30	43	35	30	41	35	29	27			
7	57	42	32	25	55	41	32	25	39	31	25	38	30	25	36	30	24	22			
8	53	37	28	21	51	37	27	21	35	27	21	34	26	21	32	26	20	18			
9	48	33	24	18	47	33	24	18	31	23	18	30	23	18	29	22	17	15			
10	45	30	21	15	43	30	21	15	28	21	15	27	20	15	26	20	15	13			

**IES Indoor Report**  
**Photometric Filename:LPA101 (RD) 3W.IES**

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**Unified Glare Rating Table**

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/25

**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	14.2	16.0	14.6	16.4	16.7	-24.6	-22.8	-24.2	-22.4	-22.1
Y=3H	14.1	15.8	14.5	16.1	16.5	-24.7	-23.0	-24.3	-22.7	-22.3
Y=4H	14.1	15.6	14.5	16.0	16.4	-24.7	-23.2	-24.3	-22.8	-22.4
Y=6H	14.1	15.5	14.5	15.8	16.2	-24.7	-23.3	-24.3	-23.0	-22.6
Y=8H	14.1	15.4	14.5	15.8	16.2	-24.8	-23.4	-24.3	-23.0	-22.6
Y=12H	14.0	15.3	14.5	15.7	16.1	-24.8	-23.5	-24.3	-23.1	-22.7
X=4H Y=2H	19.0	20.5	19.4	20.8	21.2	-24.7	-23.2	-24.3	-22.8	-22.4
Y=3H	18.9	20.2	19.3	20.6	21.0	-24.7	-23.5	-24.3	-23.1	-22.7
Y=4H	18.9	20.0	19.3	20.4	20.9	-24.8	-23.7	-24.3	-23.3	-22.8
Y=6H	18.9	19.8	19.4	20.3	20.7	-24.8	-23.8	-24.3	-23.4	-22.9
Y=8H	18.9	19.7	19.3	20.2	20.6	-24.8	-23.9	-24.3	-23.5	-23.0
Y=12H	18.9	19.6	19.4	20.1	20.6	-24.8	-24.1	-24.3	-23.6	-23.1
X=8H Y=4H	19.5	20.3	19.9	20.8	21.2	-24.8	-23.9	-24.3	-23.5	-23.0
Y=6H	19.4	20.1	19.9	20.6	21.2	-24.8	-24.2	-24.3	-23.7	-23.1
Y=8H	19.4	20.0	19.9	20.5	21.0	-24.8	-24.3	-24.3	-23.7	-23.3
Y=12H	19.4	19.9	19.9	20.4	21.0	-24.8	-24.4	-24.3	-23.9	-23.3
X=12H Y=4H	19.5	20.2	19.9	20.7	21.2	-24.8	-24.1	-24.3	-23.6	-23.1
Y=6H	19.4	20.0	20.0	20.5	21.0	-24.8	-24.2	-24.3	-23.8	-23.2
Y=8H	19.4	19.9	19.9	20.4	21.0	-24.8	-24.4	-24.3	-23.9	-23.3
Variations with the objerver position at spacings										
S=1.0H	0.0/0.0					0.0/0.0				
S=1.5H	10.8/0.0					0.0/0.0				
S=2.0H	9.1/0.0					0.0/0.0				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	2.7					0.0				

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

# IES Indoor Report

## Photometric Filename:LPA101 (RD) 3W.IES

### Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 0.0	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
γ 1.0	4.93	4.28	3.94	3.85	4.08	4.54	5.10	4.95	4.88	4.83	4.92	5.02
γ 2.0	4.85	3.99	3.58	3.46	3.69	4.32	5.18	5.32	5.45	5.47	5.42	5.27
γ 3.0	4.76	3.72	3.23	3.12	3.40	4.10	5.23	5.73	6.14	6.21	6.01	5.53
γ 4.0	4.66	3.47	2.94	2.80	3.10	3.90	5.29	6.17	6.91	7.05	6.64	5.79
γ 5.0	4.59	3.23	2.67	2.55	2.86	3.70	5.36	6.65	7.78	8.02	7.38	6.09
γ 6.0	4.47	3.00	2.44	2.30	2.62	3.52	5.41	7.18	8.77	9.15	8.18	6.38
γ 7.0	4.37	2.80	2.24	2.10	2.41	3.35	5.47	7.72	9.92	10.43	9.07	6.67
γ 8.0	4.26	2.63	2.03	1.90	2.21	3.17	5.51	8.33	11.25	11.95	10.06	6.99
γ 9.0	4.15	2.44	1.85	1.73	2.02	3.00	5.57	9.02	12.68	13.66	11.20	7.35
γ 10.0	4.05	2.28	1.70	1.56	1.86	2.84	5.61	9.73	14.30	15.50	12.43	7.70
γ 11.0	3.94	2.12	1.54	1.39	1.70	2.67	5.67	10.49	16.03	17.56	13.81	8.05
γ 12.0	3.82	1.97	1.38	1.24	1.54	2.53	5.72	11.33	17.96	19.72	15.28	8.43
γ 13.0	3.72	1.84	1.25	1.11	1.40	2.37	5.74	12.21	20.03	22.14	16.85	8.82
γ 14.0	3.59	1.69	1.10	1.00	1.25	2.23	5.78	13.14	22.15	24.74	18.48	9.20
γ 15.0	3.47	1.55	0.98	0.86	1.12	2.09	5.81	14.13	24.43	27.43	20.26	9.61
γ 16.0	3.36	1.42	0.85	0.77	1.00	1.94	5.83	15.12	26.83	30.23	22.06	10.07
γ 17.0	3.22	1.30	0.75	0.72	0.88	1.80	5.84	16.17	29.20	33.14	23.97	10.52
γ 18.0	3.09	1.18	0.70	0.71	0.78	1.67	5.85	17.19	31.69	36.16	25.94	10.96
γ 19.0	2.96	1.05	0.69	0.65	0.65	1.53	5.86	18.27	34.25	39.34	27.93	11.45
γ 20.0	2.84	0.93	0.64	0.64	0.57	1.41	5.86	19.40	36.83	42.57	29.95	11.93
γ 21.0	2.71	0.81	0.60	0.61	0.53	1.28	5.87	20.51	39.44	45.87	31.97	12.44
γ 22.0	2.58	0.69	0.57	0.58	0.49	1.15	5.86	21.55	42.12	49.28	33.96	12.94
γ 23.0	2.42	0.59	0.54	0.55	0.45	1.03	5.83	22.59	44.84	52.94	36.00	13.42
γ 24.0	2.29	0.47	0.50	0.53	0.40	0.90	5.79	23.57	47.68	56.75	38.02	13.91
γ 25.0	2.14	0.36	0.47	0.48	0.37	0.77	5.73	24.53	50.56	60.71	40.05	14.37
γ 26.0	1.98	0.28	0.43	0.46	0.32	0.66	5.68	25.42	53.53	64.98	42.03	14.83
γ 27.0	1.83	0.24	0.41	0.43	0.28	0.54	5.60	26.20	56.59	69.50	44.01	15.25
γ 28.0	1.69	0.20	0.38	0.40	0.25	0.43	5.52	26.93	59.69	74.31	45.95	15.66
γ 29.0	1.55	0.15	0.34	0.38	0.21	0.32	5.42	27.62	62.96	79.35	47.94	16.04
γ 30.0	1.38	0.11	0.32	0.34	0.17	0.22	5.30	28.23	66.38	84.68	49.91	16.39
γ 31.0	1.22	0.07	0.29	0.33	0.12	0.11	5.16	28.72	69.79	90.34	51.88	16.69
γ 32.0	1.07	0.02	0.28	0.30	0.10	0.04	4.99	29.18	73.25	96.35	53.85	16.96
γ 33.0	0.93	0.00	0.24	0.28	0.07	0.00	4.83	29.51	76.81	102.67	55.80	17.18
γ 34.0	0.79	0.00	0.21	0.25	0.04	0.00	4.63	29.80	80.37	109.40	57.74	17.34
γ 35.0	0.67	0.00	0.20	0.23	0.00	0.00	4.39	30.03	84.13	116.51	59.57	17.43
γ 36.0	0.54	0.00	0.16	0.19	0.00	0.00	4.14	30.14	87.82	124.08	61.39	17.43
γ 37.0	0.42	0.00	0.14	0.17	0.00	0.00	3.85	30.09	91.64	132.12	63.20	17.33
γ 38.0	0.31	0.00	0.11	0.14	0.00	0.00	3.53	29.91	95.58	140.56	64.92	17.16
γ 39.0	0.22	0.00	0.09	0.13	0.00	0.00	3.16	29.63	99.59	149.43	66.57	16.86
γ 40.0	0.13	0.00	0.07	0.10	0.00	0.00	2.80	29.15	103.63	158.61	68.14	16.39
γ 41.0	0.04	0.00	0.03	0.09	0.00	0.00	2.44	28.46	107.64	168.13	69.62	15.72
γ 42.0	0.00	0.00	0.01	0.07	0.00	0.00	2.03	27.49	111.54	177.82	70.93	14.85
γ 43.0	0.00	0.00	0.00	0.03	0.00	0.00	1.65	26.30	115.41	187.79	72.07	13.78
γ 44.0	0.00	0.00	0.00	0.02	0.00	0.00	1.34	24.83	119.14	198.04	73.05	12.41
γ 45.0	0.00	0.00	0.00	0.00	0.00	0.00	1.09	22.97	122.67	208.33	73.91	10.91
γ 46.0	0.00	0.00	0.00	0.00	0.00	0.00	0.88	20.82	125.99	218.57	74.54	9.36







