

# IES Indoor Report

Photometric Filename:OJL102 (NARROW) 3W.IES

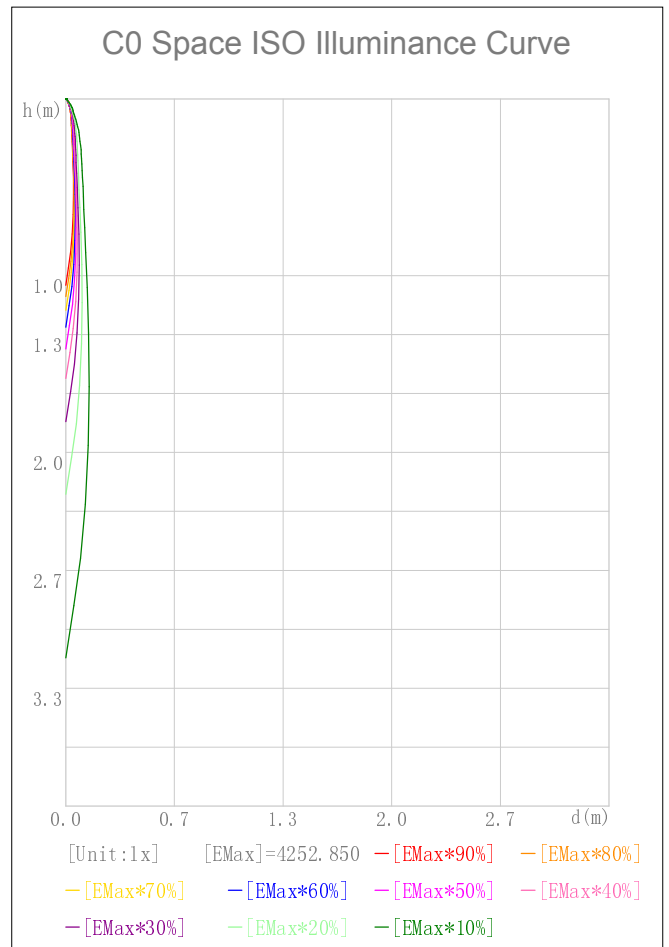
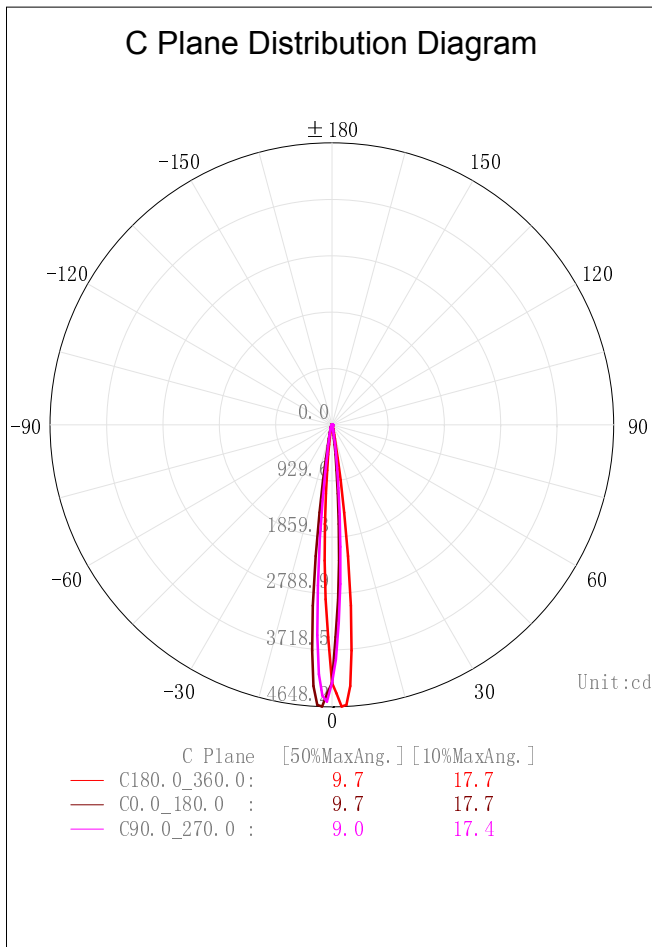
## Indoor Luminaire Photometric Data

### Description Information

Luminaire Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2023/09/23
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): 3000 Ra: 80
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): 181.290	Luminaire Flux(lm): 181.289	Field Angle(10%Imax): 17.7(°)	
Rated Power(W): 3	Luminaire Efficiency: 100.00%	Down Lumens&Percent: 181.289lm 100.00%	
Rated Voltage(V): 120	Luminaire EER(lm/W): 64.562	Up Lumens&Percent: 0.000lm 0.00%	
Tested Power(W): 2.808	Max. Candela(cd): 4648.172	S/MH: C0_a180=0.178 C90_270=0.165	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=2.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf): 120.6, 0.043, 0.534	Beam Angle(50%Imax): 9.7(°)	ErP Φ use(90°): 182.518lm	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-2.9°, Right=6.8°	IRF(%): 5898.564	



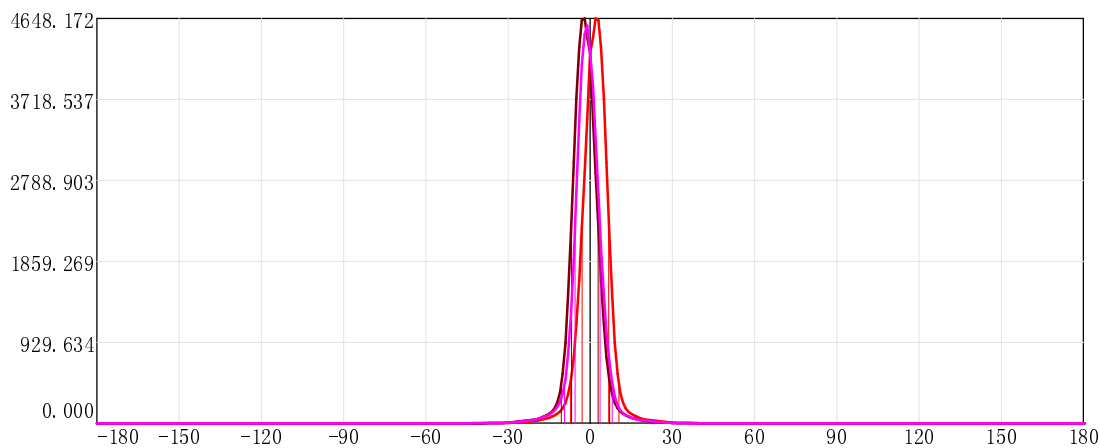
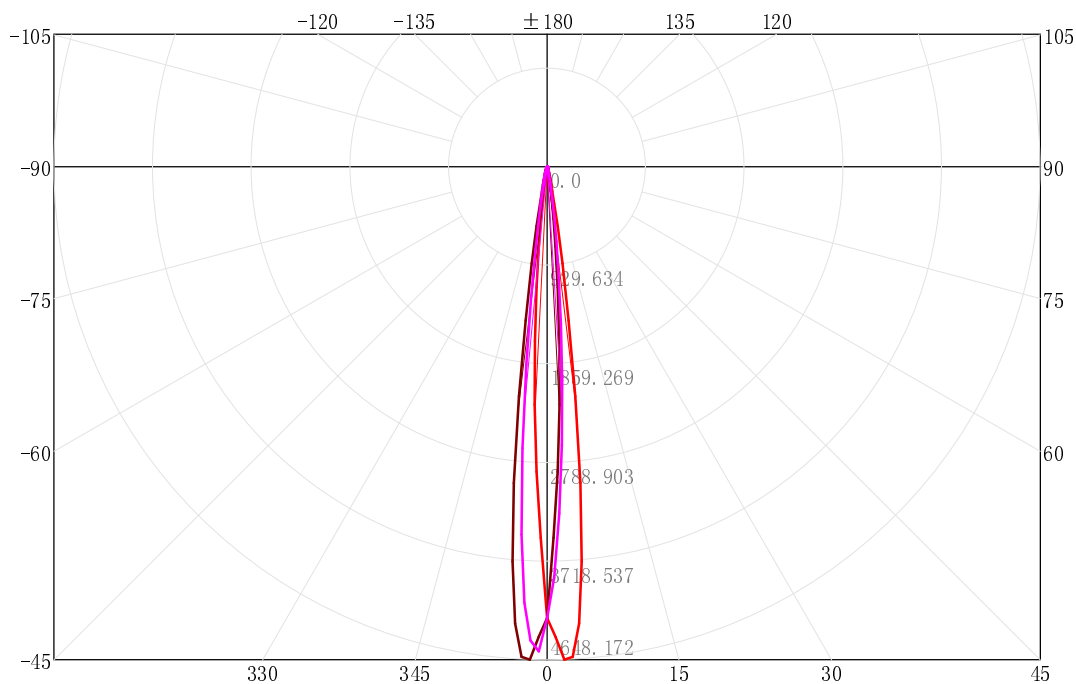
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## 2D Plane Light Intensity Distribution Curve

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/09/23

C Plane Distribution Diagram



	C Plane	[50%MaxAng. ]	[10%MaxAng. ]	Unit:cd
—	C180_0_360.0:	9.7	17.7	
—	C0_0_180.0 :	9.7	17.7	
—	C90_0_270.0 :	9.0	17.4	

**IES Indoor Report**

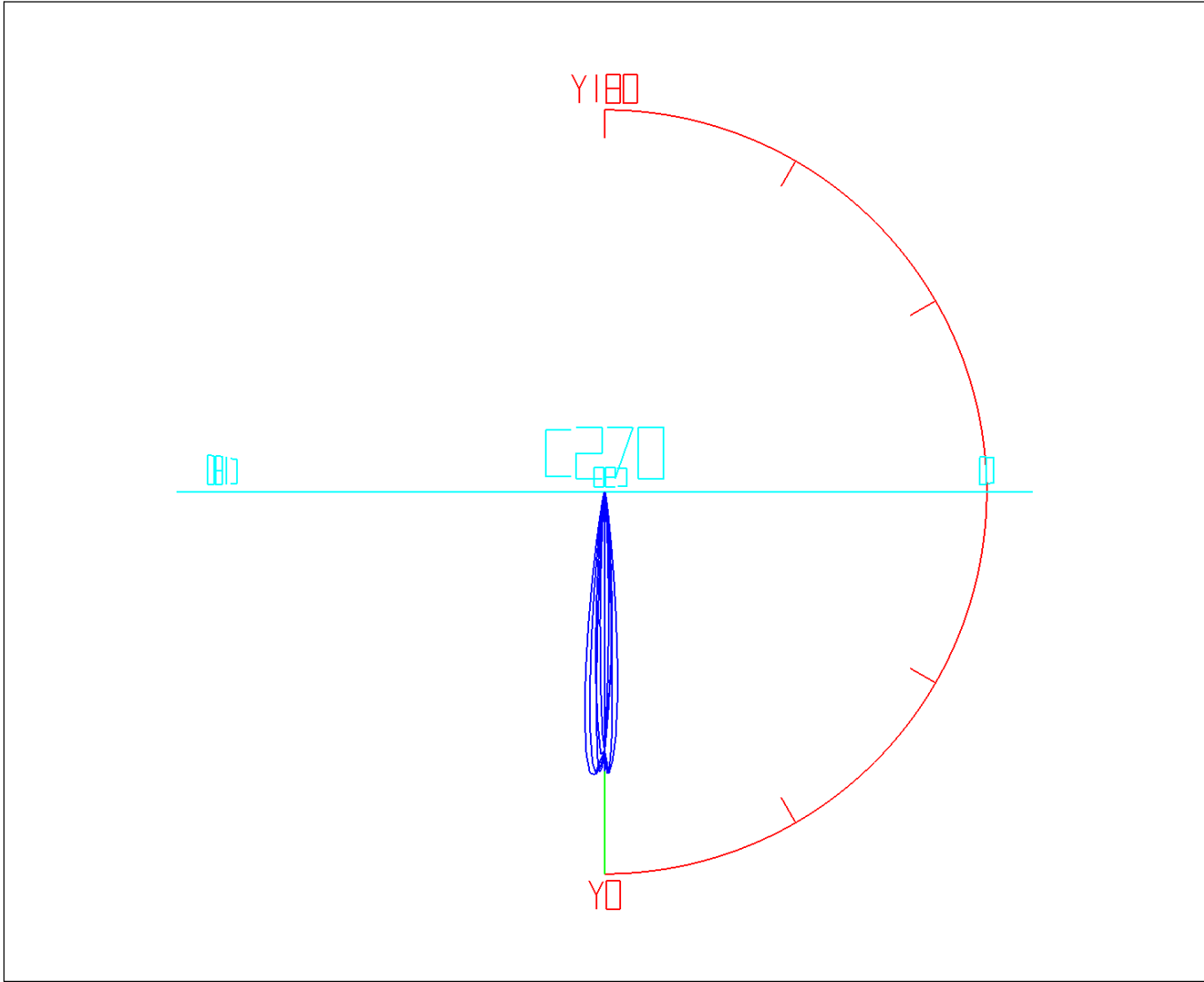
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**3D Light Intensity Distribution Modal**

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/23

**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	4.04	4.04	2.23	2.23	47.0-48.0	0.02	181.28	0.01	99.99
1.0-2.0	11.58	15.61	6.39	8.61	48.0-49.0	0.01	181.29	0.00	100.00
2.0-3.0	17.53	33.14	9.67	18.28	49.0-50.0	0.00	181.29	0.00	100.00
3.0-4.0	21.15	54.29	11.67	29.95	50.0-51.0	0.00	181.29	0.00	100.00
4.0-5.0	21.95	76.24	12.11	42.06	51.0-52.0	0.00	181.29	0.00	100.00
5.0-6.0	20.22	96.46	11.15	53.21	52.0-53.0	0.00	181.29	0.00	100.00
6.0-7.0	16.87	113.34	9.31	62.52	53.0-54.0	0.00	181.29	0.00	100.00
7.0-8.0	13.00	126.33	7.17	69.68	54.0-55.0	0.00	181.29	0.00	100.00
8.0-9.0	9.50	135.84	5.24	74.93	55.0-56.0	0.00	181.29	0.00	100.00
9.0-10.0	6.89	142.72	3.80	78.73	56.0-57.0	0.00	181.29	0.00	100.00
10.0-11.0	5.16	147.89	2.85	81.57	57.0-58.0	0.00	181.29	0.00	100.00
11.0-12.0	4.07	151.96	2.25	83.82	58.0-59.0	0.00	181.29	0.00	100.00
12.0-13.0	3.38	155.34	1.86	85.68	59.0-60.0	0.00	181.29	0.00	100.00
13.0-14.0	2.91	158.25	1.60	87.29	60.0-61.0	0.00	181.29	0.00	100.00
14.0-15.0	2.56	160.81	1.41	88.70	61.0-62.0	0.00	181.29	0.00	100.00
15.0-16.0	2.28	163.08	1.26	89.96	62.0-63.0	0.00	181.29	0.00	100.00
16.0-17.0	2.04	165.12	1.12	91.08	63.0-64.0	0.00	181.29	0.00	100.00
17.0-18.0	1.84	166.96	1.01	92.10	64.0-65.0	0.00	181.29	0.00	100.00
18.0-19.0	1.67	168.63	0.92	93.02	65.0-66.0	0.00	181.29	0.00	100.00
19.0-20.0	1.52	170.15	0.84	93.85	66.0-67.0	0.00	181.29	0.00	100.00
20.0-21.0	1.38	171.53	0.76	94.62	67.0-68.0	0.00	181.29	0.00	100.00
21.0-22.0	1.25	172.78	0.69	95.31	68.0-69.0	0.00	181.29	0.00	100.00
22.0-23.0	1.14	173.92	0.63	95.93	69.0-70.0	0.00	181.29	0.00	100.00
23.0-24.0	1.03	174.94	0.57	96.50	70.0-71.0	0.00	181.29	0.00	100.00
24.0-25.0	0.92	175.86	0.51	97.00	71.0-72.0	0.00	181.29	0.00	100.00
25.0-26.0	0.81	176.67	0.45	97.45	72.0-73.0	0.00	181.29	0.00	100.00
26.0-27.0	0.70	177.37	0.39	97.84	73.0-74.0	0.00	181.29	0.00	100.00
27.0-28.0	0.59	177.96	0.33	98.16	74.0-75.0	0.00	181.29	0.00	100.00
28.0-29.0	0.48	178.44	0.27	98.43	75.0-76.0	0.00	181.29	0.00	100.00
29.0-30.0	0.39	178.83	0.21	98.64	76.0-77.0	0.00	181.29	0.00	100.00
30.0-31.0	0.31	179.14	0.17	98.81	77.0-78.0	0.00	181.29	0.00	100.00
31.0-32.0	0.26	179.40	0.15	98.96	78.0-79.0	0.00	181.29	0.00	100.00
32.0-33.0	0.23	179.64	0.13	99.09	79.0-80.0	0.00	181.29	0.00	100.00
33.0-34.0	0.21	179.84	0.11	99.20	80.0-81.0	0.00	181.29	0.00	100.00
34.0-35.0	0.18	180.03	0.10	99.30	81.0-82.0	0.00	181.29	0.00	100.00
35.0-36.0	0.17	180.19	0.09	99.40	82.0-83.0	0.00	181.29	0.00	100.00
36.0-37.0	0.15	180.35	0.08	99.48	83.0-84.0	0.00	181.29	0.00	100.00
37.0-38.0	0.14	180.49	0.08	99.56	84.0-85.0	0.00	181.29	0.00	100.00
38.0-39.0	0.13	180.62	0.07	99.63	85.0-86.0	0.00	181.29	0.00	100.00
39.0-40.0	0.12	180.74	0.07	99.70	86.0-87.0	0.00	181.29	0.00	100.00
40.0-41.0	0.11	180.85	0.06	99.76	87.0-88.0	0.00	181.29	0.00	100.00
41.0-42.0	0.10	180.95	0.06	99.81	88.0-89.0	0.00	181.29	0.00	100.00
42.0-43.0	0.09	181.04	0.05	99.86	89.0-90.0	0.00	181.29	0.00	100.00
43.0-44.0	0.08	181.12	0.04	99.90	90.0-91.0	0.00	181.29	0.00	100.00
44.0-45.0	0.06	181.18	0.04	99.94	91.0-92.0	0.00	181.29	0.00	100.00
45.0-46.0	0.05	181.23	0.03	99.97	92.0-93.0	0.00	181.29	0.00	100.00
46.0-47.0	0.03	181.26	0.02	99.98	93.0-94.0	0.00	181.29	0.00	100.00

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## Zonal Flux Tabulation - (Cont.)

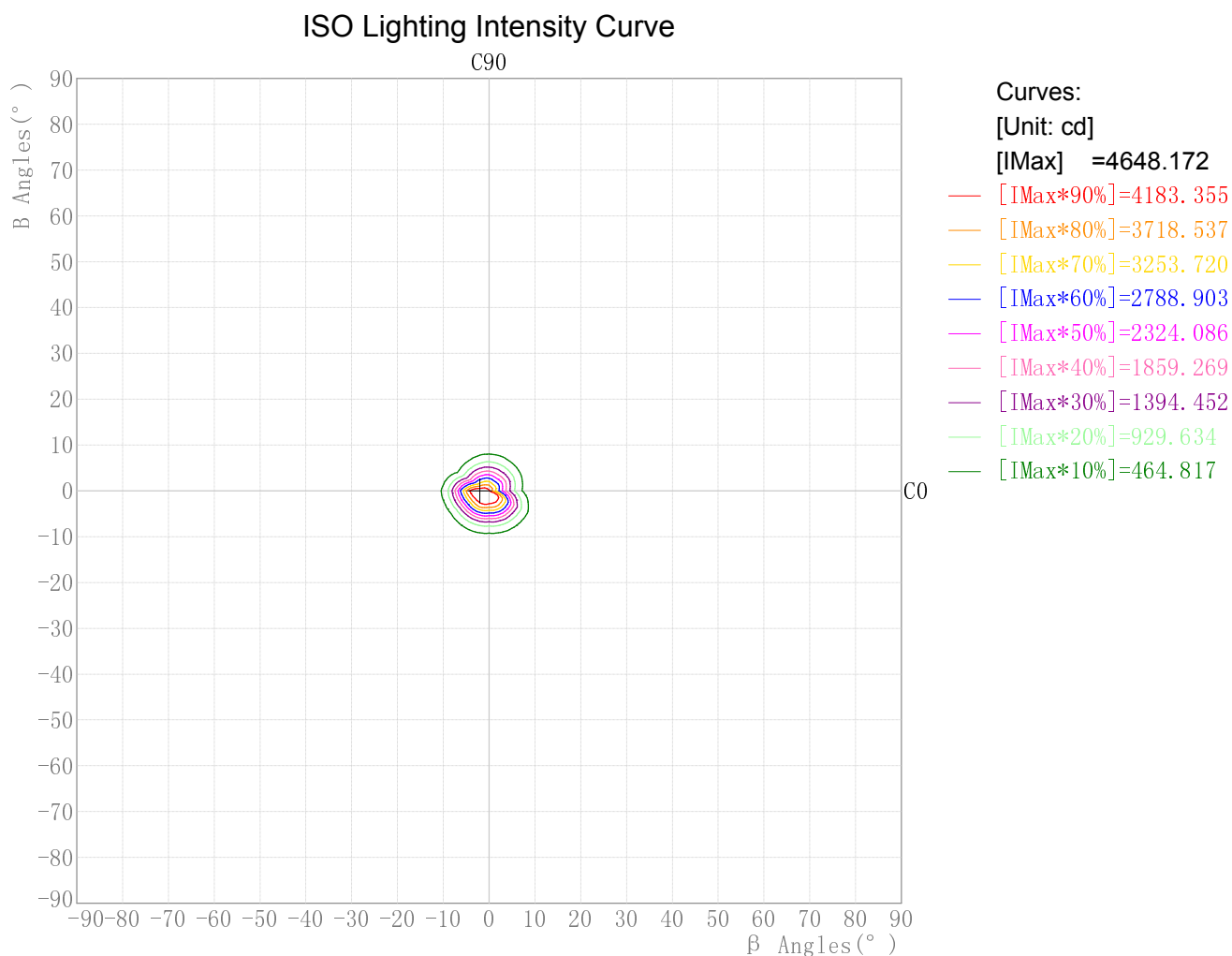
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.00	181.29	0.00	100.00	141.0-142.0	0.00	181.29	0.00	100.00
95.0-96.0	0.00	181.29	0.00	100.00	142.0-143.0	0.00	181.29	0.00	100.00
96.0-97.0	0.00	181.29	0.00	100.00	143.0-144.0	0.00	181.29	0.00	100.00
97.0-98.0	0.00	181.29	0.00	100.00	144.0-145.0	0.00	181.29	0.00	100.00
98.0-99.0	0.00	181.29	0.00	100.00	145.0-146.0	0.00	181.29	0.00	100.00
99.0-100.0	0.00	181.29	0.00	100.00	146.0-147.0	0.00	181.29	0.00	100.00
100.0-101.0	0.00	181.29	0.00	100.00	147.0-148.0	0.00	181.29	0.00	100.00
101.0-102.0	0.00	181.29	0.00	100.00	148.0-149.0	0.00	181.29	0.00	100.00
102.0-103.0	0.00	181.29	0.00	100.00	149.0-150.0	0.00	181.29	0.00	100.00
103.0-104.0	0.00	181.29	0.00	100.00	150.0-151.0	0.00	181.29	0.00	100.00
104.0-105.0	0.00	181.29	0.00	100.00	151.0-152.0	0.00	181.29	0.00	100.00
105.0-106.0	0.00	181.29	0.00	100.00	152.0-153.0	0.00	181.29	0.00	100.00
106.0-107.0	0.00	181.29	0.00	100.00	153.0-154.0	0.00	181.29	0.00	100.00
107.0-108.0	0.00	181.29	0.00	100.00	154.0-155.0	0.00	181.29	0.00	100.00
108.0-109.0	0.00	181.29	0.00	100.00	155.0-156.0	0.00	181.29	0.00	100.00
109.0-110.0	0.00	181.29	0.00	100.00	156.0-157.0	0.00	181.29	0.00	100.00
110.0-111.0	0.00	181.29	0.00	100.00	157.0-158.0	0.00	181.29	0.00	100.00
111.0-112.0	0.00	181.29	0.00	100.00	158.0-159.0	0.00	181.29	0.00	100.00
112.0-113.0	0.00	181.29	0.00	100.00	159.0-160.0	0.00	181.29	0.00	100.00
113.0-114.0	0.00	181.29	0.00	100.00	160.0-161.0	0.00	181.29	0.00	100.00
114.0-115.0	0.00	181.29	0.00	100.00	161.0-162.0	0.00	181.29	0.00	100.00
115.0-116.0	0.00	181.29	0.00	100.00	162.0-163.0	0.00	181.29	0.00	100.00
116.0-117.0	0.00	181.29	0.00	100.00	163.0-164.0	0.00	181.29	0.00	100.00
117.0-118.0	0.00	181.29	0.00	100.00	164.0-165.0	0.00	181.29	0.00	100.00
118.0-119.0	0.00	181.29	0.00	100.00	165.0-166.0	0.00	181.29	0.00	100.00
119.0-120.0	0.00	181.29	0.00	100.00	166.0-167.0	0.00	181.29	0.00	100.00
120.0-121.0	0.00	181.29	0.00	100.00	167.0-168.0	0.00	181.29	0.00	100.00
121.0-122.0	0.00	181.29	0.00	100.00	168.0-169.0	0.00	181.29	0.00	100.00
122.0-123.0	0.00	181.29	0.00	100.00	169.0-170.0	0.00	181.29	0.00	100.00
123.0-124.0	0.00	181.29	0.00	100.00	170.0-171.0	0.00	181.29	0.00	100.00
124.0-125.0	0.00	181.29	0.00	100.00	171.0-172.0	0.00	181.29	0.00	100.00
125.0-126.0	0.00	181.29	0.00	100.00	172.0-173.0	0.00	181.29	0.00	100.00
126.0-127.0	0.00	181.29	0.00	100.00	173.0-174.0	0.00	181.29	0.00	100.00
127.0-128.0	0.00	181.29	0.00	100.00	174.0-175.0	0.00	181.29	0.00	100.00
128.0-129.0	0.00	181.29	0.00	100.00	175.0-176.0	0.00	181.29	0.00	100.00
129.0-130.0	0.00	181.29	0.00	100.00	176.0-177.0	0.00	181.29	0.00	100.00
130.0-131.0	0.00	181.29	0.00	100.00	177.0-178.0	0.00	181.29	0.00	100.00
131.0-132.0	0.00	181.29	0.00	100.00	178.0-179.0	0.00	181.29	0.00	100.00
132.0-133.0	0.00	181.29	0.00	100.00	179.0-180.0	0.00	181.29	0.00	100.00
133.0-134.0	0.00	181.29	0.00	100.00					
134.0-135.0	0.00	181.29	0.00	100.00					
135.0-136.0	0.00	181.29	0.00	100.00					
136.0-137.0	0.00	181.29	0.00	100.00					
137.0-138.0	0.00	181.29	0.00	100.00					
138.0-139.0	0.00	181.29	0.00	100.00					
139.0-140.0	0.00	181.29	0.00	100.00					
140.0-141.0	0.00	181.29	0.00	100.00					

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## 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: 2023/09/23



Maximum Light Intensity(cd): 4648.17

Maximum Cand.@Angle: H=-2.0°,V=0.0°

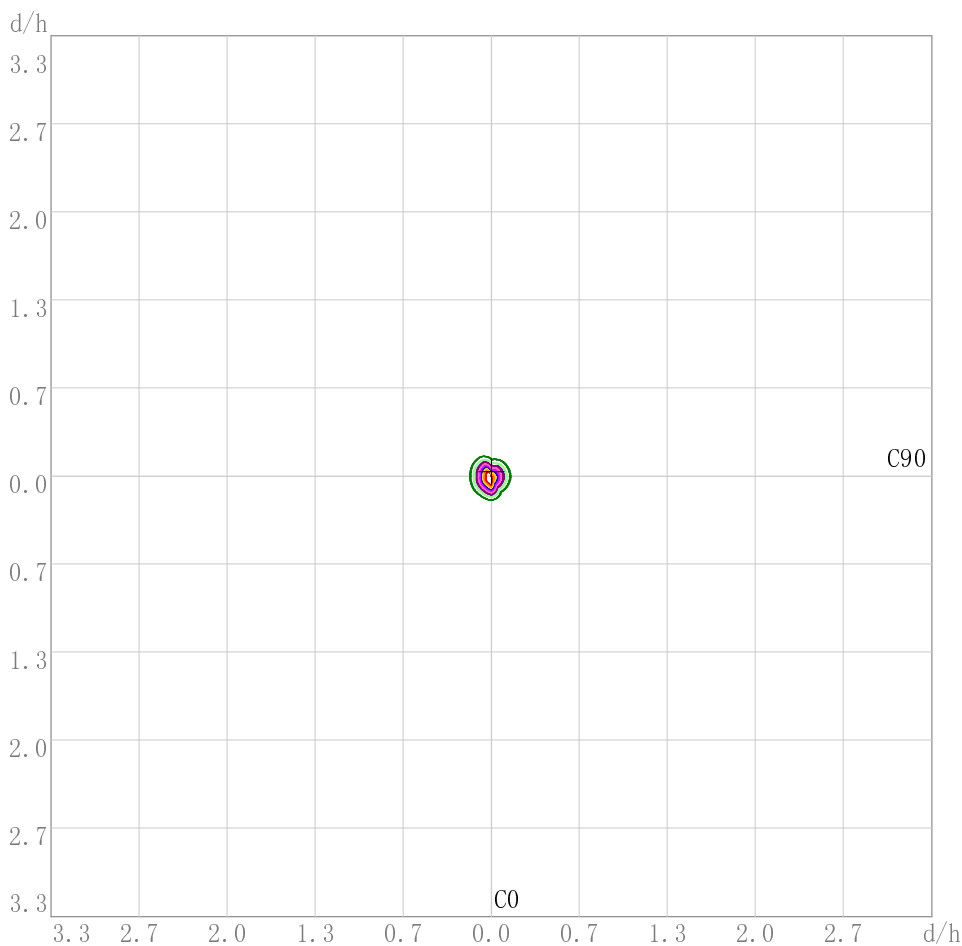
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## Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/23

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 515.52  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

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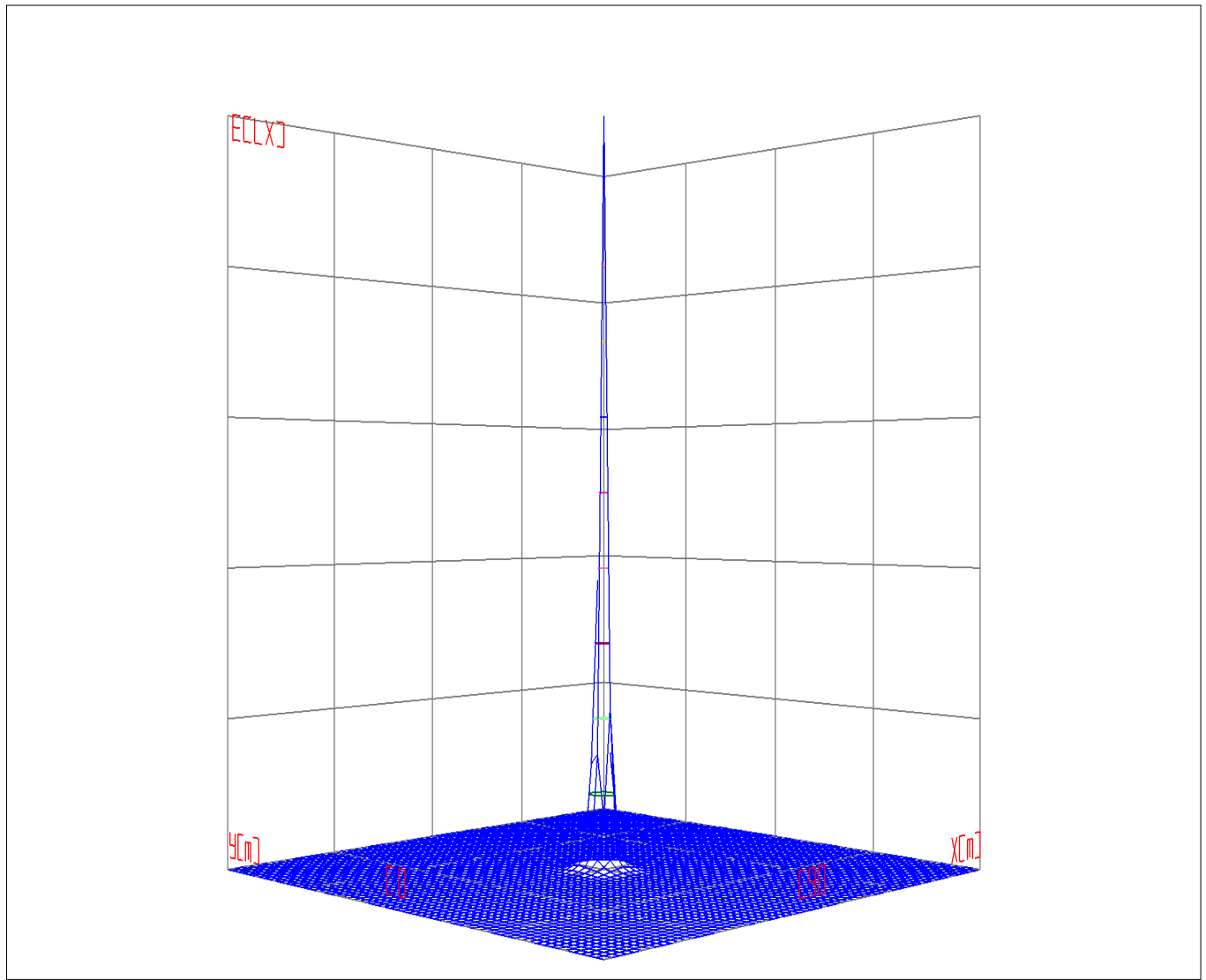
Photometric Filename:OJL102 (NARROW) 3W.IES

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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: 2023/09/23

### 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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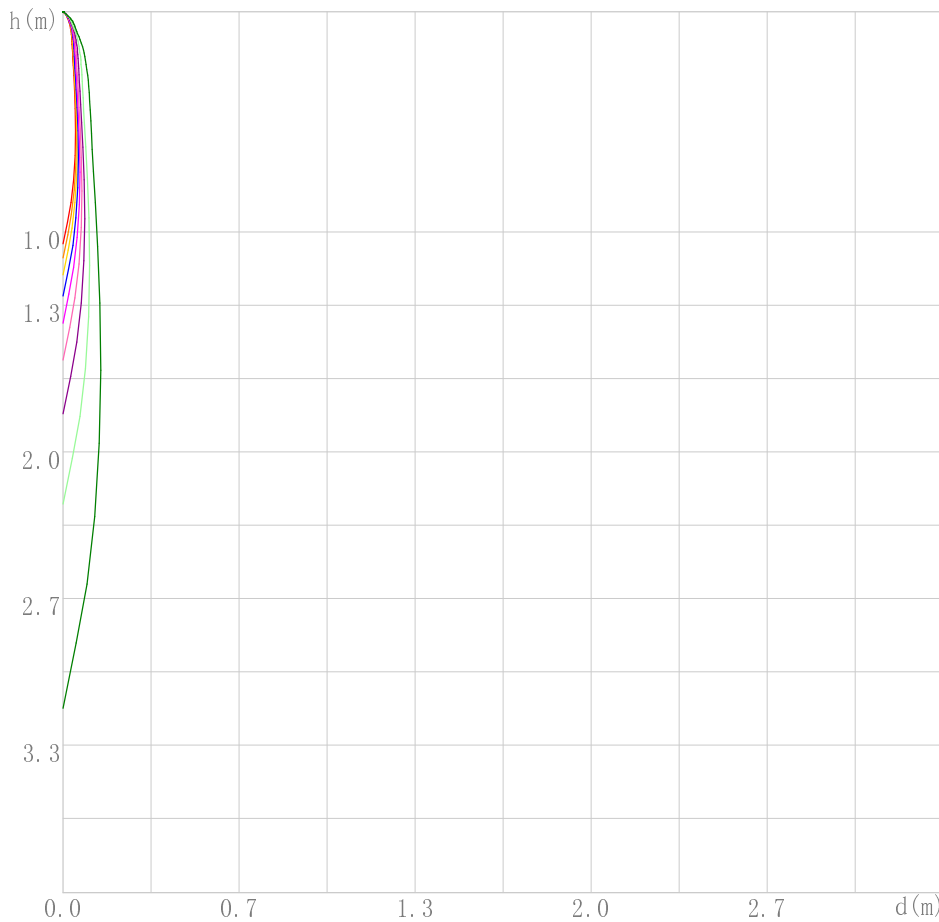
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## Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/23

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =4252.850

— [EMax\*90%]=3827.565

— [EMax\*80%]=3402.280

— [EMax\*70%]=2976.995

— [EMax\*60%]=2551.710

— [EMax\*50%]=2126.425

— [EMax\*40%]=1701.140

— [EMax\*30%]=1275.855

— [EMax\*20%]=850.570

— [EMax\*10%]=425.285

Space Plane Maximum Illuminance and @Angle:4252.85lx,0.0deg

Plane Maximum Lighting Intensity and @Angle:4252.850cd,0deg

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**IES Indoor Report**

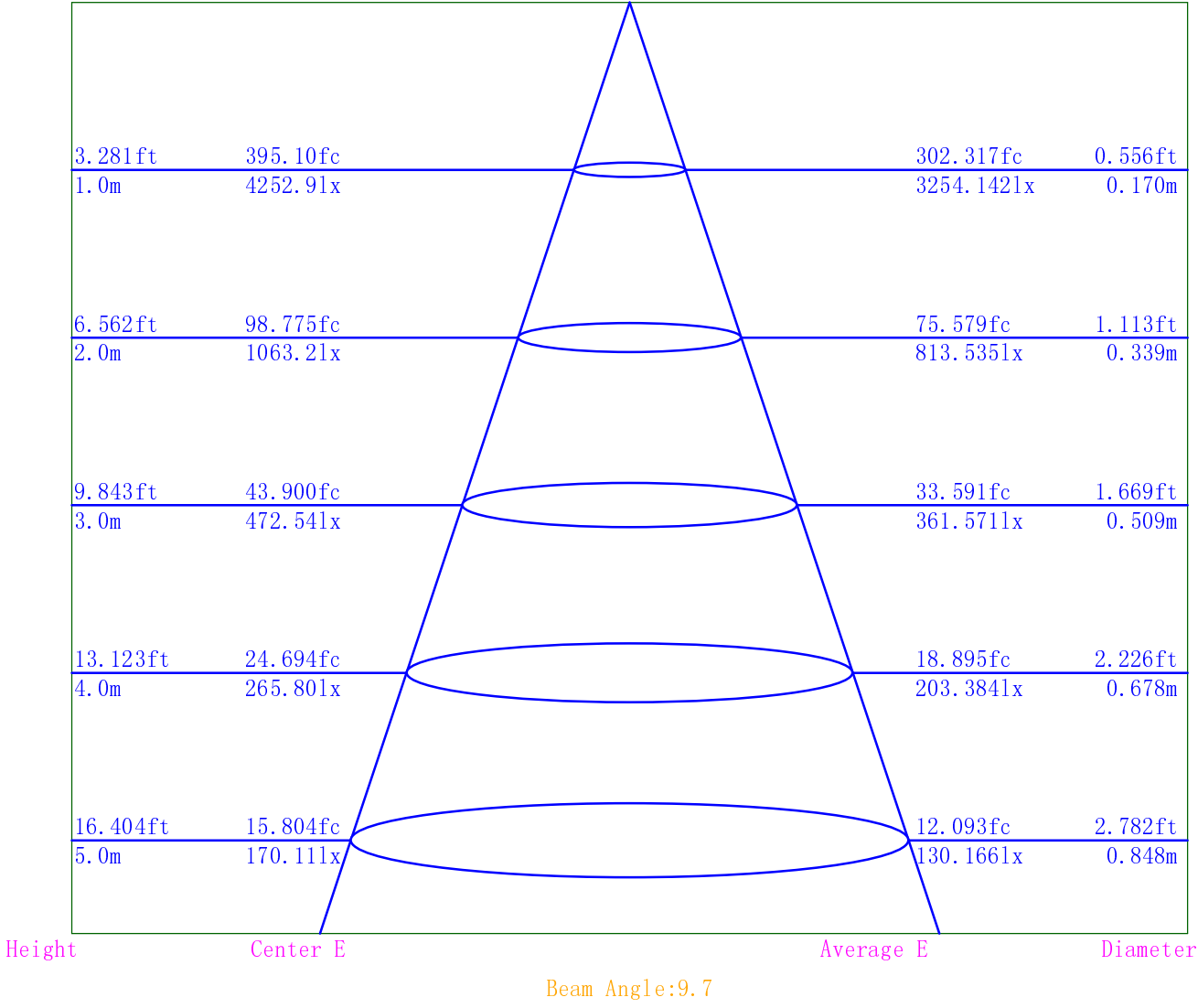
**Photometric Filename:OJL102 (NARROW) 3W.IES**

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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: 2023/09/23

Illuminance-Distance Curve



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## Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/23

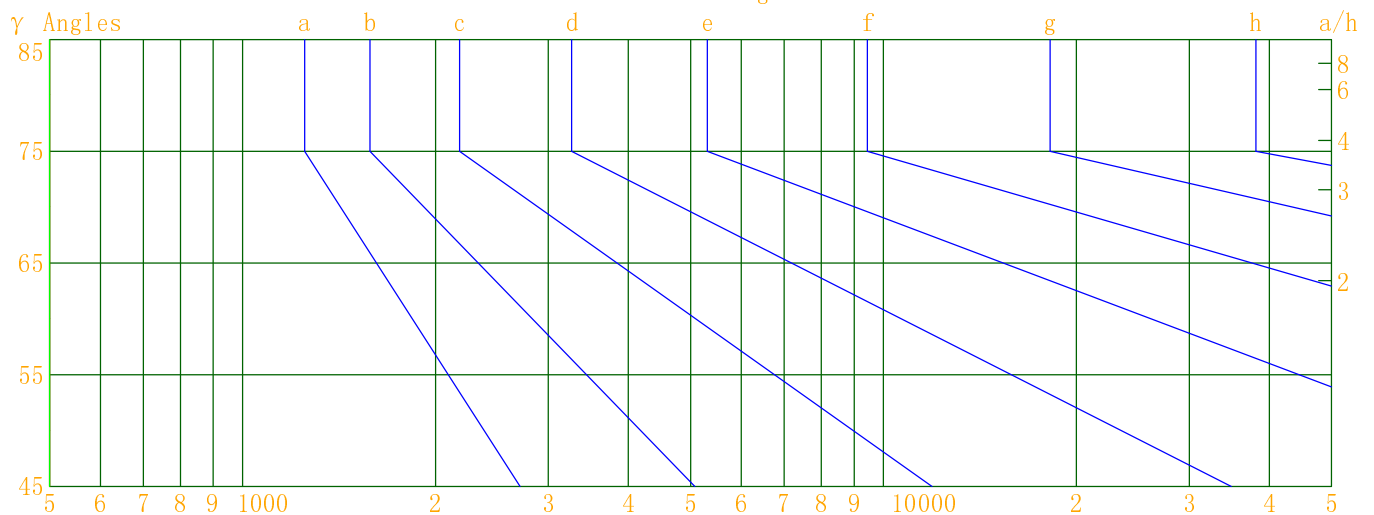
Glare Grade Table

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	334	0	0	0	0	0	0	0	0
C90	35	0	0	0	0	0	0	0	0

Luminance Limiting Curve



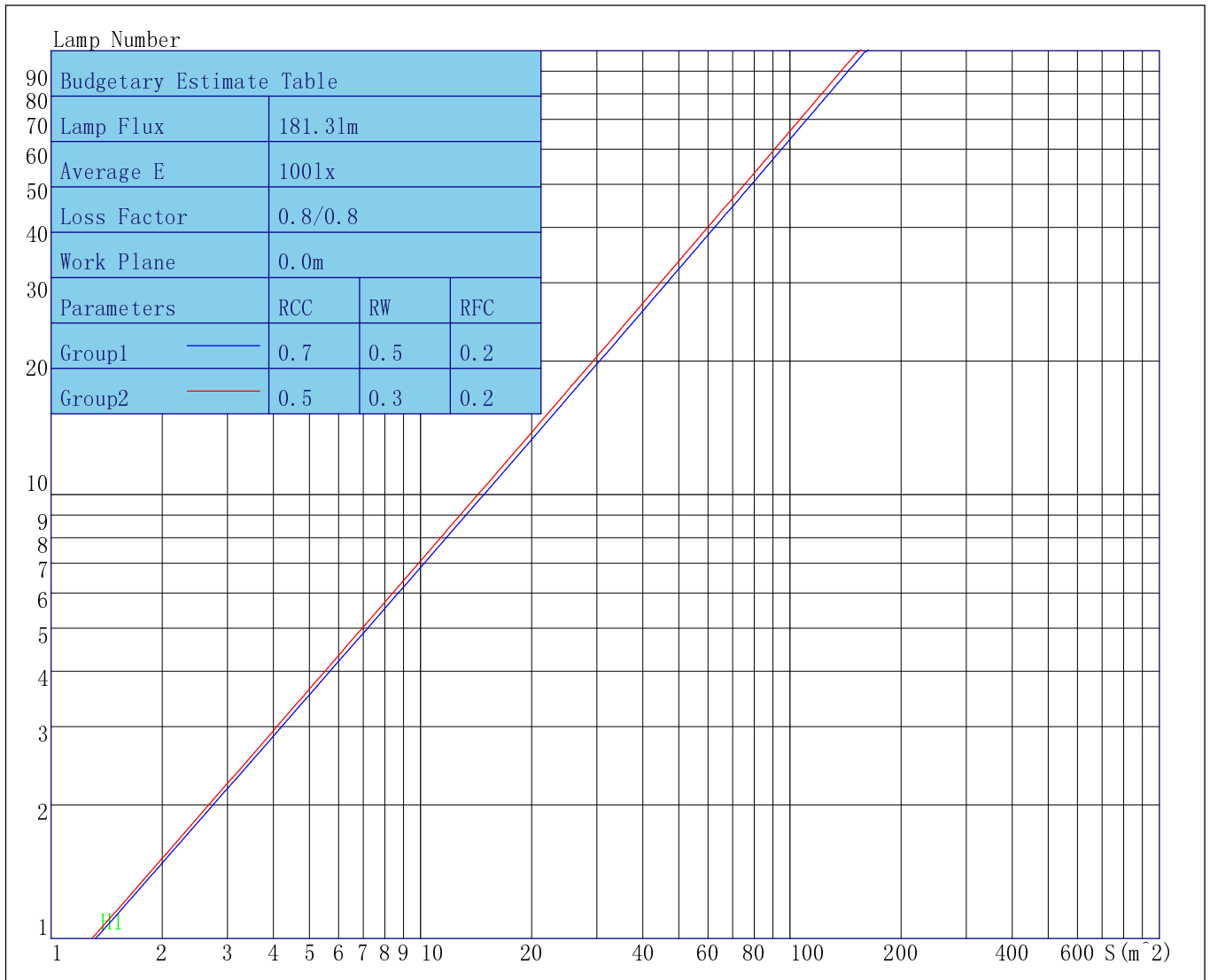
Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

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## Indoor Budgetary Estimate Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/09/23



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

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## 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: 2023/09/23

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	116	115	113	112	114	112	111	110	108	108	107	105	104	103	102	101	101	99			
2	114	111	109	107	112	109	107	106	106	105	103	104	102	101	101	100	99	98			
3	111	108	105	103	110	107	104	103	104	103	101	102	101	99	100	99	98	97			
4	109	106	103	101	108	105	102	100	103	101	99	101	99	98	99	98	97	96			
5	108	104	101	99	107	103	100	98	101	99	97	100	98	97	99	97	96	95			
6	106	102	99	97	105	101	99	97	100	98	96	99	97	96	98	96	95	94			
7	105	100	98	96	104	100	97	95	99	97	95	98	96	95	97	96	94	94			
8	103	99	96	95	103	99	96	94	98	96	94	97	95	94	96	95	93	93			
9	102	98	95	94	102	98	95	93	97	95	93	96	94	93	96	94	93	92			
10	101	97	94	93	101	97	94	93	96	94	92	96	94	92	95	93	92	91			

# IES Indoor Report

Photometric Filename:OJL102 (NARROW) 3W.IES

## Unified Glare Rating Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/23

## 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	-3.1	-2.2	-2.7	-1.9	-1.6	-7.1	-6.2	-6.7	-5.9	-5.6
Y=3H	-3.3	-2.5	-2.9	-2.2	-1.8	-7.3	-6.5	-6.9	-6.2	-5.8
Y=4H	-3.4	-2.7	-3.0	-2.4	-2.0	-7.4	-6.7	-7.0	-6.4	-6.0
Y=6H	-3.5	-2.9	-3.1	-2.5	-2.1	-7.5	-6.9	-7.1	-6.5	-6.1
Y=8H	-3.6	-3.0	-3.2	-2.6	-2.2	-7.6	-7.0	-7.1	-6.6	-6.2
Y=12H	-3.7	-3.1	-3.2	-2.7	-2.3	-7.7	-7.1	-7.2	-6.7	-6.3
X=4H Y=2H	-3.4	-2.7	-3.0	-2.4	-2.0	-7.4	-6.7	-7.0	-6.4	-6.0
Y=3H	-3.6	-3.1	-3.2	-2.7	-2.3	-7.6	-7.1	-7.2	-6.7	-6.3
Y=4H	-3.8	-3.3	-3.3	-2.9	-2.4	-7.8	-7.3	-7.3	-6.8	-6.4
Y=6H	-3.9	-3.5	-3.4	-3.0	-2.5	-7.9	-7.5	-7.4	-7.0	-6.5
Y=8H	-4.0	-3.6	-3.5	-3.1	-2.7	-8.0	-7.6	-7.5	-7.1	-6.6
Y=12H	-4.1	-3.7	-3.6	-3.2	-2.7	-8.0	-7.7	-7.5	-7.2	-6.7
X=8H Y=4H	-4.0	-3.6	-3.5	-3.1	-2.7	-8.0	-7.6	-7.5	-7.1	-6.6
Y=6H	-4.1	-3.8	-3.6	-3.3	-2.8	-8.1	-7.8	-7.6	-7.3	-6.8
Y=8H	-4.2	-3.9	-3.6	-3.4	-2.9	-8.2	-7.9	-7.6	-7.4	-6.9
Y=12H	-4.2	-4.0	-3.7	-3.5	-2.9	-8.2	-8.0	-7.7	-7.5	-6.9
X=12H Y=4H	-4.1	-3.7	-3.6	-3.2	-2.7	-8.0	-7.7	-7.5	-7.2	-6.7
Y=6H	-4.2	-3.9	-3.6	-3.4	-2.9	-8.2	-7.9	-7.6	-7.4	-6.9
Y=8H	-4.2	-4.0	-3.7	-3.5	-2.9	-8.2	-8.0	-7.7	-7.5	-6.9
Variations with the objerver position at spacings										
S=1.0H	0.0/0.0					0.0/0.0				
S=1.5H	0.0/0.0					0.0/0.0				
S=2.0H	0.0/0.0					0.0/0.0				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	0.0					0.0				

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

# IES Indoor Report

Photometric Filename:OJL102 (NARROW) 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	4252.85	4252.85	4252.85	4252.85	4252.85	4252.85	4252.85	4252.85	4252.85	4252.85	4252.85	4252.85
γ 1.0	3496.90	3666.89	3610.72	3873.94	4001.23	4318.04	4429.15	4503.20	4490.98	4566.81	4600.59	4610.68
γ 2.0	2876.23	3092.40	3012.64	3269.40	3418.49	3802.85	4648.17	4609.77	4562.22	4468.11	4470.31	4380.46
γ 3.0	2242.81	2497.92	2420.46	2626.78	2791.72	3153.44	4624.91	4414.50	4329.61	4114.17	4141.01	3988.48
γ 4.0	1643.69	1925.81	1866.04	2015.33	2140.93	2414.24	4313.70	3892.66	3771.72	3473.85	3590.67	3423.87
γ 5.0	1140.81	1409.90	1383.44	1480.51	1546.40	1694.44	3734.15	3150.88	2986.51	2660.02	2835.75	2736.63
γ 6.0	756.56	975.31	982.58	1045.06	1057.27	1123.89	2995.92	2336.88	2145.35	1877.71	2075.95	2039.52
γ 7.0	494.31	648.84	668.45	708.84	696.43	714.90	2179.19	1592.40	1432.95	1238.50	1411.71	1424.59
γ 8.0	330.25	425.41	440.96	468.45	449.68	447.46	1460.97	1009.89	906.65	786.33	909.46	943.04
γ 9.0	233.53	283.63	293.04	307.08	290.13	283.20	920.27	616.05	573.41	504.12	580.69	607.76
γ 10.0	174.14	199.38	203.25	207.36	197.79	194.19	566.21	391.68	380.66	341.09	385.48	400.03
γ 11.0	137.61	150.22	148.64	151.21	145.74	145.26	353.86	266.27	267.33	245.52	272.00	276.07
γ 12.0	111.43	118.15	116.09	117.52	114.76	116.33	234.87	191.60	197.32	187.10	202.50	203.38
γ 13.0	91.30	96.26	93.85	96.05	94.30	96.50	170.87	147.48	153.40	147.79	158.54	158.50
γ 14.0	76.46	79.42	76.98	79.03	77.44	79.79	133.98	118.81	123.85	120.40	128.71	127.89
γ 15.0	64.06	66.08	63.58	65.93	64.30	66.52	109.76	98.89	103.31	100.19	106.56	105.62
γ 16.0	54.43	55.31	52.55	54.51	53.65	55.45	91.11	83.46	87.18	85.05	89.61	87.77
γ 17.0	47.14	47.19	44.53	45.81	45.18	47.14	76.29	70.47	73.86	72.26	76.03	74.31
γ 18.0	40.87	41.92	39.76	40.33	41.18	42.07	63.71	59.20	61.71	61.18	64.16	62.56
γ 19.0	34.26	36.77	35.50	36.45	37.19	37.79	53.15	49.99	51.82	51.84	54.77	54.12
γ 20.0	29.32	32.38	31.28	32.17	31.93	34.02	45.25	43.18	44.30	43.90	46.93	46.60
γ 21.0	25.64	28.26	27.85	28.79	28.16	30.04	40.60	37.33	37.50	37.59	39.60	39.51
γ 22.0	22.17	24.39	24.30	25.85	25.22	25.77	36.29	32.05	31.97	32.13	34.13	33.06
γ 23.0	19.31	20.74	20.79	22.49	22.14	21.38	31.74	28.10	28.07	28.69	29.86	28.65
γ 24.0	17.04	17.59	17.52	18.87	18.53	18.05	28.17	24.74	25.04	25.08	25.20	25.17
γ 25.0	14.23	15.11	14.49	15.63	15.25	15.77	24.63	21.58	21.65	21.29	21.28	22.18
γ 26.0	11.93	12.93	11.98	12.87	12.40	13.26	20.79	18.08	18.26	17.56	18.46	19.02
γ 27.0	9.58	10.89	9.81	10.35	9.69	9.87	17.72	15.16	15.04	14.94	15.76	16.45
γ 28.0	7.93	8.59	7.88	8.05	7.29	6.84	14.72	12.35	11.90	12.08	13.16	13.76
γ 29.0	6.20	6.86	6.12	6.02	5.40	5.04	11.11	9.45	9.17	9.51	10.71	11.28
γ 30.0	5.39	5.34	4.79	4.59	4.19	4.05	8.00	7.02	7.08	7.28	8.19	8.94
γ 31.0	4.66	4.50	4.14	3.65	3.49	3.29	6.09	5.41	5.69	5.94	6.43	7.15
γ 32.0	4.01	3.90	3.35	2.98	2.98	2.77	4.96	4.53	4.69	5.06	5.44	5.81
γ 33.0	3.60	3.46	2.92	2.56	2.43	2.43	4.02	3.84	4.06	4.36	4.80	4.99
γ 34.0	3.31	2.95	2.67	2.19	2.07	1.99	3.44	3.30	3.54	3.87	4.15	4.43
γ 35.0	2.93	2.72	2.41	1.87	1.84	1.69	2.97	2.90	3.09	3.36	3.66	3.98
γ 36.0	2.56	2.48	2.06	1.64	1.51	1.56	2.52	2.65	2.78	3.15	3.39	3.55
γ 37.0	2.41	2.11	1.82	1.37	1.36	1.24	2.17	2.33	2.57	2.93	3.18	3.24
γ 38.0	2.14	1.84	1.60	1.18	1.13	1.14	1.82	2.14	2.34	2.75	2.90	3.02
γ 39.0	1.96	1.71	1.40	1.02	0.96	1.00	1.66	1.94	2.08	2.60	2.76	2.79
γ 40.0	1.73	1.48	1.18	0.81	0.82	0.74	1.47	1.78	2.07	2.43	2.63	2.65
γ 41.0	1.50	1.24	0.95	0.64	0.64	0.64	1.28	1.57	1.86	2.29	2.45	2.46
γ 42.0	1.22	1.10	0.76	0.45	0.53	0.45	1.11	1.37	1.69	2.09	2.31	2.32
γ 43.0	1.01	0.86	0.54	0.35	0.37	0.33	0.94	1.24	1.45	1.92	2.12	2.14
γ 44.0	0.79	0.70	0.40	0.22	0.20	0.13	0.80	1.08	1.35	1.70	1.93	1.91
γ 45.0	0.46	0.42	0.20	0.05	0.00	0.00	0.69	0.90	1.13	1.43	1.68	1.67
γ 46.0	0.14	0.23	0.00	0.00	0.00	0.00	0.48	0.59	0.82	1.09	1.28	1.33







