

IES Indoor Report

Photometric Filename:OJL106 (NARROW) 9W.IES

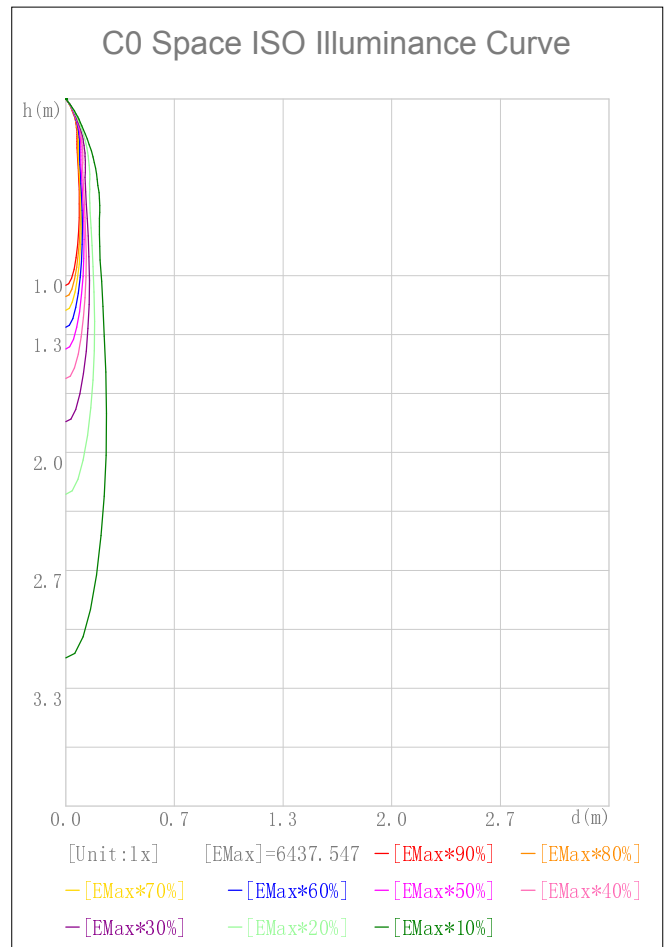
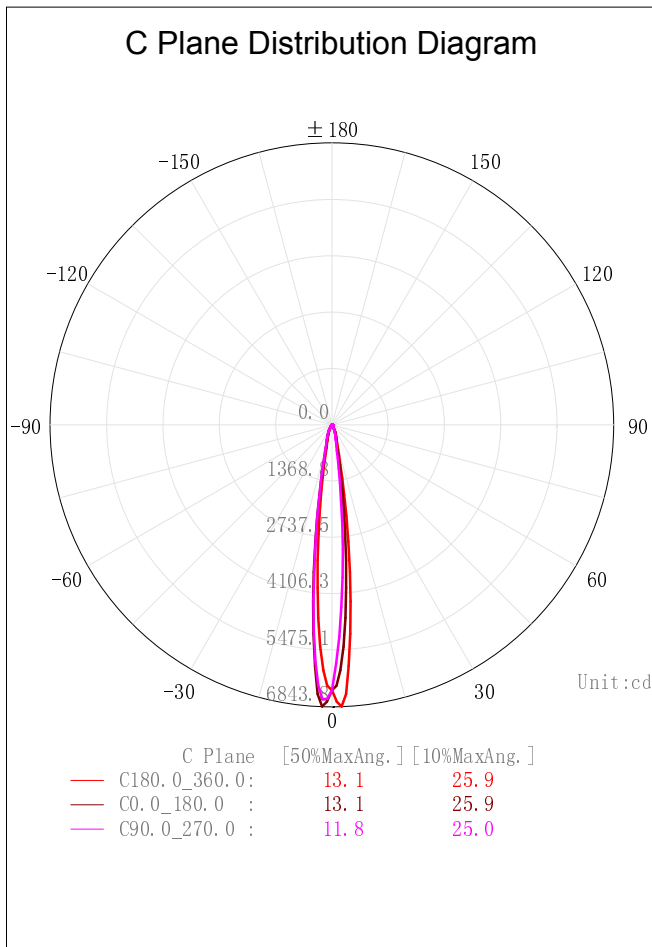
Indoor Luminaire Photometric Data

Description Information

Luminaire Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2023/09/26
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): 553.050	Luminaire Flux(lm): 553.050	Field Angle(10%Imax): 25.9(°)	
Rated Power(W): 9	Luminaire Efficiency: 100.00%	Down Lumens&Percent: 553.050lm 100.00%	
Rated Voltage(V): 120	Luminaire EER(lm/W): 66.289	Up Lumens&Percent: 0.000lm 0.00%	
Tested Power(W): 8.343	Max. Candela(cd): 6843.847	S/MH: C0_a180=0.236 C90_270=0.209	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=2.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf): 120.7, 0.121, 0.567	Beam Angle(50%Imax): 13.1(°)	ErP Φ use(90°): 545.551lm	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-5.8°, Right=7.2°	IRF(%): 2447.464	



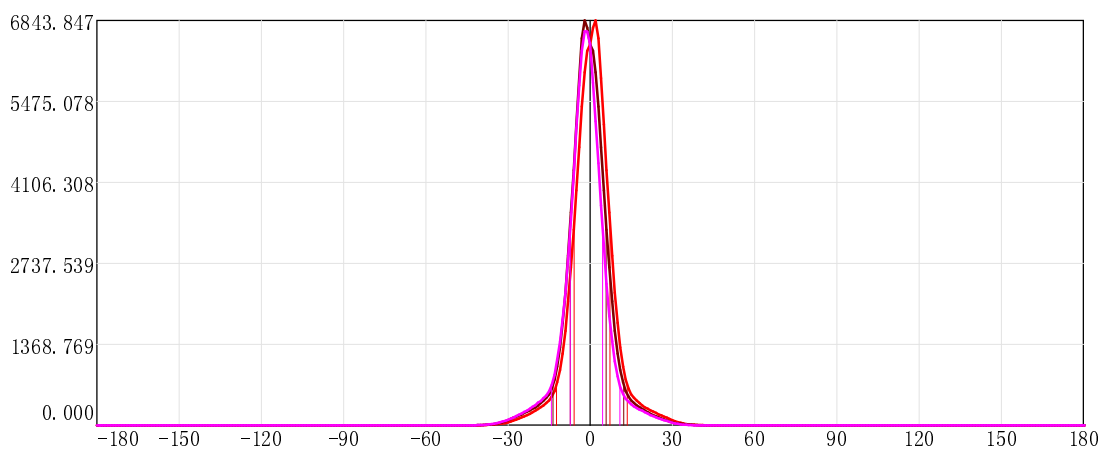
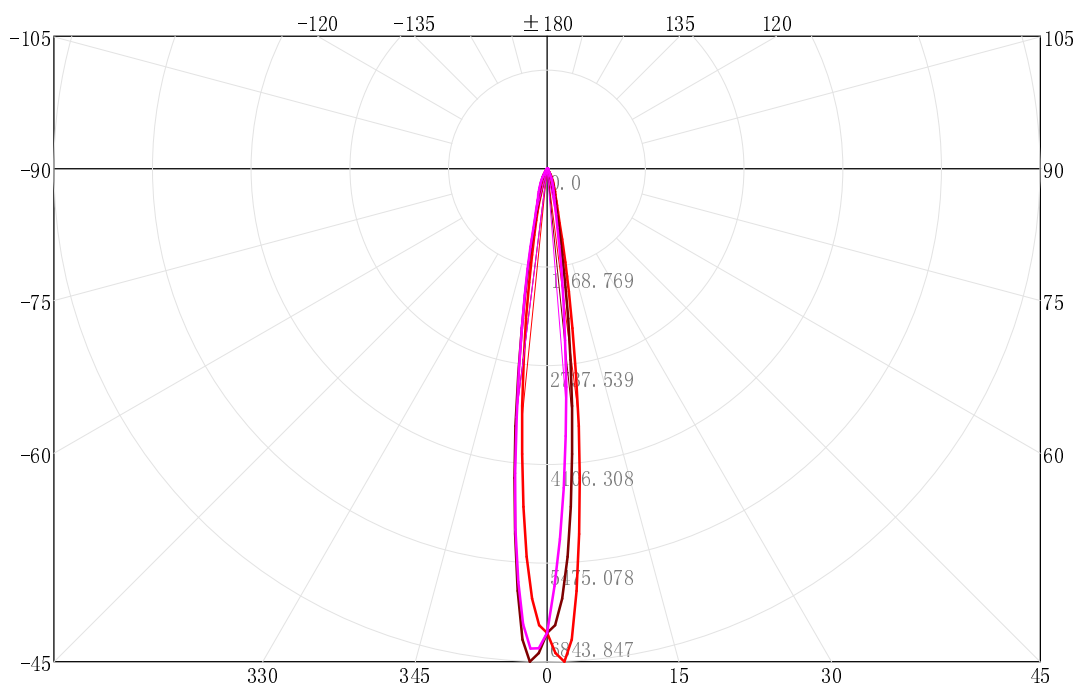
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2D Plane Light Intensity Distribution Curve

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/09/26

C Plane Distribution Diagram



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C180_0_360.0:	13.1	25.9	
—	C0_0_180.0 :	13.1	25.9	
—	C90_0_270.0 :	11.8	25.0	

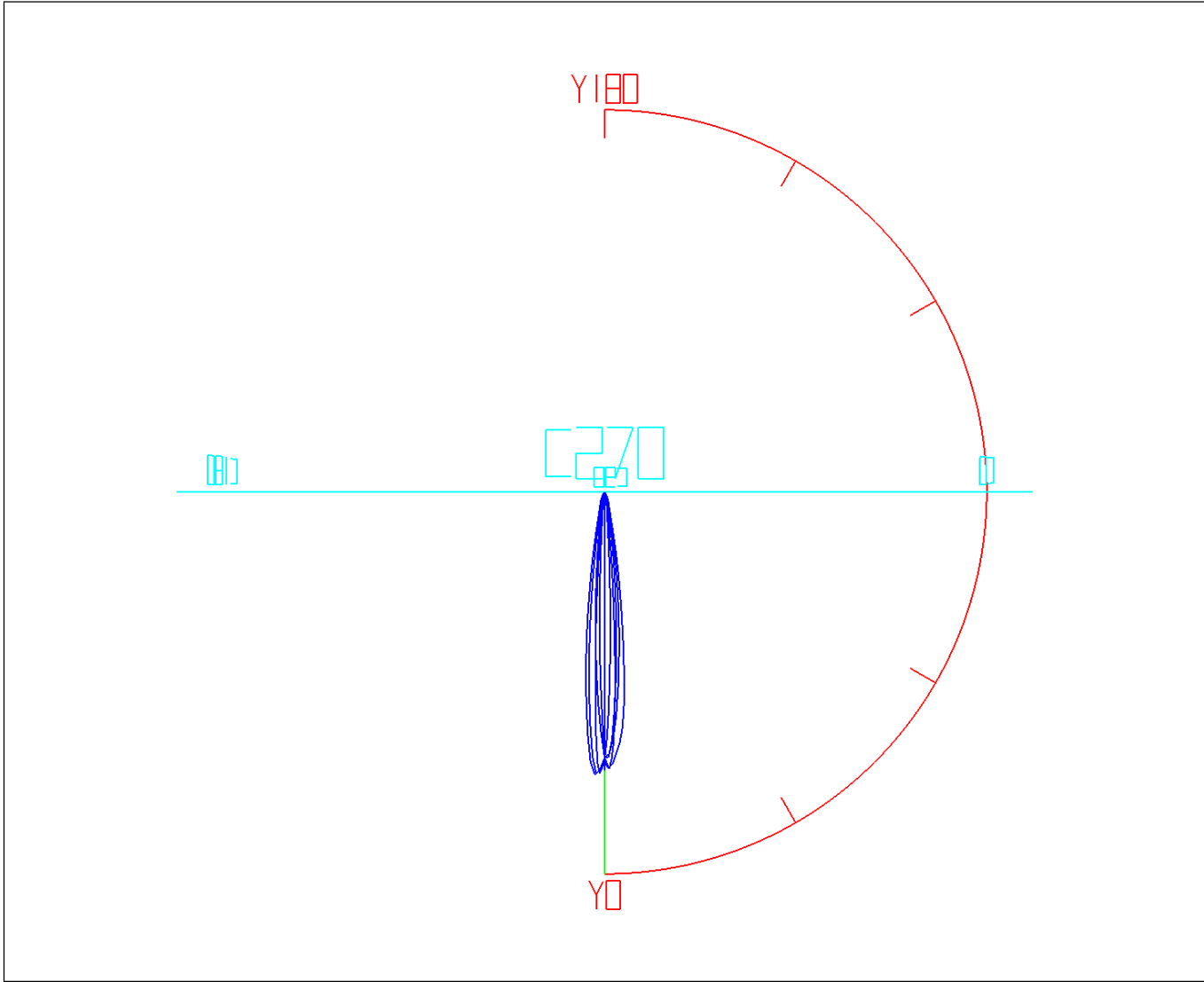
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3D Light Intensity Distribution Modal

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/26

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	6.11	6.11	1.11	1.11	47.0-48.0	0.00	553.05	0.00	100.00
1.0-2.0	17.81	23.92	3.22	4.33	48.0-49.0	0.00	553.05	0.00	100.00
2.0-3.0	27.81	51.73	5.03	9.35	49.0-50.0	0.00	553.05	0.00	100.00
3.0-4.0	35.12	86.85	6.35	15.70	50.0-51.0	0.00	553.05	0.00	100.00
4.0-5.0	39.44	126.29	7.13	22.83	51.0-52.0	0.00	553.05	0.00	100.00
5.0-6.0	40.90	167.18	7.39	30.23	52.0-53.0	0.00	553.05	0.00	100.00
6.0-7.0	39.97	207.15	7.23	37.46	53.0-54.0	0.00	553.05	0.00	100.00
7.0-8.0	37.30	244.45	6.74	44.20	54.0-55.0	0.00	553.05	0.00	100.00
8.0-9.0	33.50	277.95	6.06	50.26	55.0-56.0	0.00	553.05	0.00	100.00
9.0-10.0	29.31	307.26	5.30	55.56	56.0-57.0	0.00	553.05	0.00	100.00
10.0-11.0	25.28	332.54	4.57	60.13	57.0-58.0	0.00	553.05	0.00	100.00
11.0-12.0	21.67	354.21	3.92	64.05	58.0-59.0	0.00	553.05	0.00	100.00
12.0-13.0	18.57	372.78	3.36	67.40	59.0-60.0	0.00	553.05	0.00	100.00
13.0-14.0	16.15	388.93	2.92	70.32	60.0-61.0	0.00	553.05	0.00	100.00
14.0-15.0	14.47	403.40	2.62	72.94	61.0-62.0	0.00	553.05	0.00	100.00
15.0-16.0	13.35	416.75	2.41	75.35	62.0-63.0	0.00	553.05	0.00	100.00
16.0-17.0	12.55	429.30	2.27	77.62	63.0-64.0	0.00	553.05	0.00	100.00
17.0-18.0	11.94	441.24	2.16	79.78	64.0-65.0	0.00	553.05	0.00	100.00
18.0-19.0	11.43	452.66	2.07	81.85	65.0-66.0	0.00	553.05	0.00	100.00
19.0-20.0	10.92	463.58	1.97	83.82	66.0-67.0	0.00	553.05	0.00	100.00
20.0-21.0	10.39	473.98	1.88	85.70	67.0-68.0	0.00	553.05	0.00	100.00
21.0-22.0	9.82	483.80	1.78	87.48	68.0-69.0	0.00	553.05	0.00	100.00
22.0-23.0	9.18	492.99	1.66	89.14	69.0-70.0	0.00	553.05	0.00	100.00
23.0-24.0	8.53	501.51	1.54	90.68	70.0-71.0	0.00	553.05	0.00	100.00
24.0-25.0	7.84	509.36	1.42	92.10	71.0-72.0	0.00	553.05	0.00	100.00
25.0-26.0	7.11	516.47	1.29	93.39	72.0-73.0	0.00	553.05	0.00	100.00
26.0-27.0	6.38	522.85	1.15	94.54	73.0-74.0	0.00	553.05	0.00	100.00
27.0-28.0	5.64	528.49	1.02	95.56	74.0-75.0	0.00	553.05	0.00	100.00
28.0-29.0	4.90	533.39	0.89	96.44	75.0-76.0	0.00	553.05	0.00	100.00
29.0-30.0	4.17	537.56	0.75	97.20	76.0-77.0	0.00	553.05	0.00	100.00
30.0-31.0	3.49	541.05	0.63	97.83	77.0-78.0	0.00	553.05	0.00	100.00
31.0-32.0	2.90	543.96	0.53	98.36	78.0-79.0	0.00	553.05	0.00	100.00
32.0-33.0	2.32	546.28	0.42	98.78	79.0-80.0	0.00	553.05	0.00	100.00
33.0-34.0	1.79	548.07	0.32	99.10	80.0-81.0	0.00	553.05	0.00	100.00
34.0-35.0	1.38	549.44	0.25	99.35	81.0-82.0	0.00	553.05	0.00	100.00
35.0-36.0	1.07	550.51	0.19	99.54	82.0-83.0	0.00	553.05	0.00	100.00
36.0-37.0	0.83	551.34	0.15	99.69	83.0-84.0	0.00	553.05	0.00	100.00
37.0-38.0	0.62	551.96	0.11	99.80	84.0-85.0	0.00	553.05	0.00	100.00
38.0-39.0	0.44	552.40	0.08	99.88	85.0-86.0	0.00	553.05	0.00	100.00
39.0-40.0	0.30	552.70	0.05	99.94	86.0-87.0	0.00	553.05	0.00	100.00
40.0-41.0	0.19	552.89	0.04	99.97	87.0-88.0	0.00	553.05	0.00	100.00
41.0-42.0	0.11	553.00	0.02	99.99	88.0-89.0	0.00	553.05	0.00	100.00
42.0-43.0	0.04	553.04	0.01	100.00	89.0-90.0	0.00	553.05	0.00	100.00
43.0-44.0	0.01	553.05	0.00	100.00	90.0-91.0	0.00	553.05	0.00	100.00
44.0-45.0	0.00	553.05	0.00	100.00	91.0-92.0	0.00	553.05	0.00	100.00
45.0-46.0	0.00	553.05	0.00	100.00	92.0-93.0	0.00	553.05	0.00	100.00
46.0-47.0	0.00	553.05	0.00	100.00	93.0-94.0	0.00	553.05	0.00	100.00

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Zonal Flux Tabulation - (Cont.)

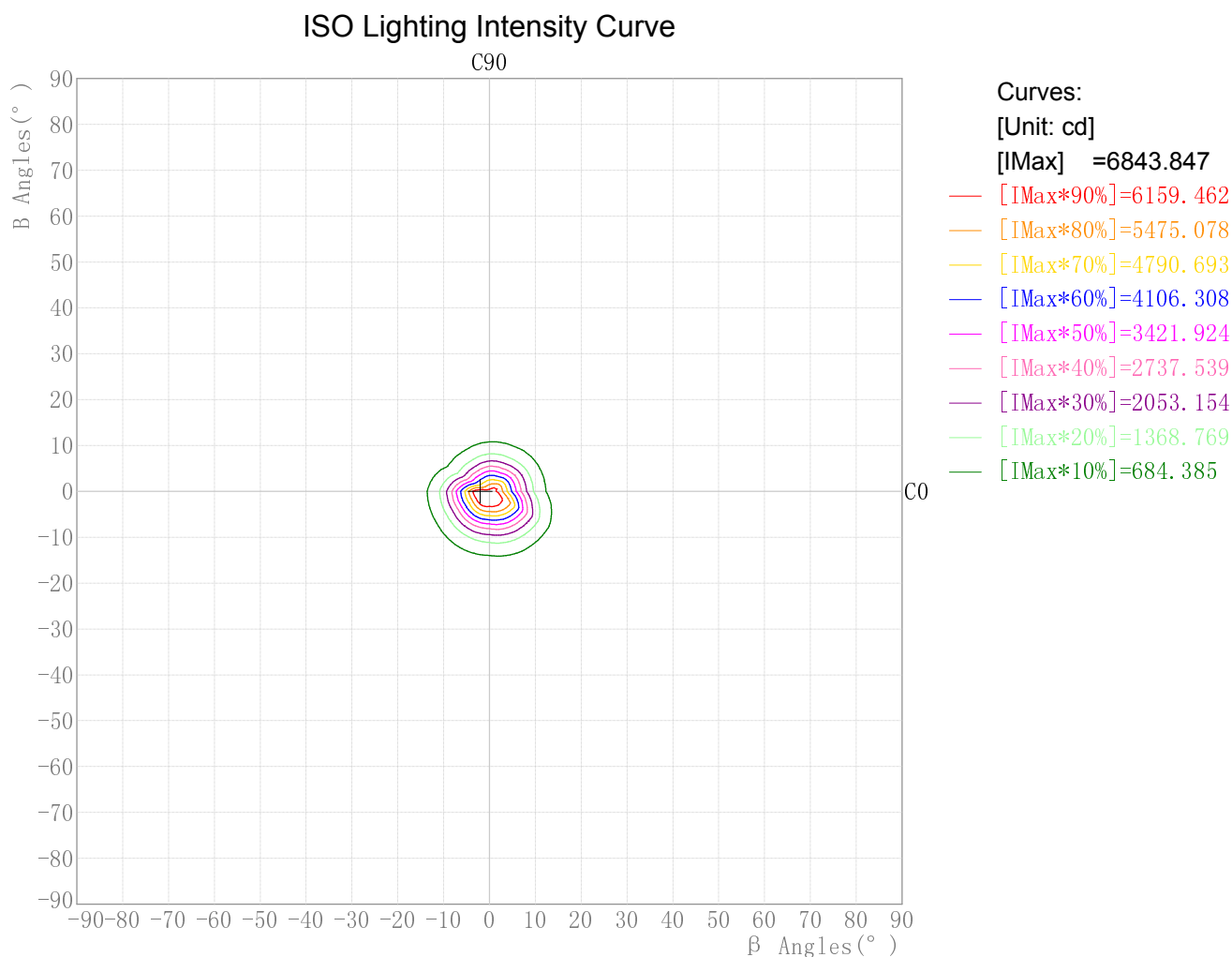
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.00	553.05	0.00	100.00	141.0-142.0	0.00	553.05	0.00	100.00
95.0-96.0	0.00	553.05	0.00	100.00	142.0-143.0	0.00	553.05	0.00	100.00
96.0-97.0	0.00	553.05	0.00	100.00	143.0-144.0	0.00	553.05	0.00	100.00
97.0-98.0	0.00	553.05	0.00	100.00	144.0-145.0	0.00	553.05	0.00	100.00
98.0-99.0	0.00	553.05	0.00	100.00	145.0-146.0	0.00	553.05	0.00	100.00
99.0-100.0	0.00	553.05	0.00	100.00	146.0-147.0	0.00	553.05	0.00	100.00
100.0-101.0	0.00	553.05	0.00	100.00	147.0-148.0	0.00	553.05	0.00	100.00
101.0-102.0	0.00	553.05	0.00	100.00	148.0-149.0	0.00	553.05	0.00	100.00
102.0-103.0	0.00	553.05	0.00	100.00	149.0-150.0	0.00	553.05	0.00	100.00
103.0-104.0	0.00	553.05	0.00	100.00	150.0-151.0	0.00	553.05	0.00	100.00
104.0-105.0	0.00	553.05	0.00	100.00	151.0-152.0	0.00	553.05	0.00	100.00
105.0-106.0	0.00	553.05	0.00	100.00	152.0-153.0	0.00	553.05	0.00	100.00
106.0-107.0	0.00	553.05	0.00	100.00	153.0-154.0	0.00	553.05	0.00	100.00
107.0-108.0	0.00	553.05	0.00	100.00	154.0-155.0	0.00	553.05	0.00	100.00
108.0-109.0	0.00	553.05	0.00	100.00	155.0-156.0	0.00	553.05	0.00	100.00
109.0-110.0	0.00	553.05	0.00	100.00	156.0-157.0	0.00	553.05	0.00	100.00
110.0-111.0	0.00	553.05	0.00	100.00	157.0-158.0	0.00	553.05	0.00	100.00
111.0-112.0	0.00	553.05	0.00	100.00	158.0-159.0	0.00	553.05	0.00	100.00
112.0-113.0	0.00	553.05	0.00	100.00	159.0-160.0	0.00	553.05	0.00	100.00
113.0-114.0	0.00	553.05	0.00	100.00	160.0-161.0	0.00	553.05	0.00	100.00
114.0-115.0	0.00	553.05	0.00	100.00	161.0-162.0	0.00	553.05	0.00	100.00
115.0-116.0	0.00	553.05	0.00	100.00	162.0-163.0	0.00	553.05	0.00	100.00
116.0-117.0	0.00	553.05	0.00	100.00	163.0-164.0	0.00	553.05	0.00	100.00
117.0-118.0	0.00	553.05	0.00	100.00	164.0-165.0	0.00	553.05	0.00	100.00
118.0-119.0	0.00	553.05	0.00	100.00	165.0-166.0	0.00	553.05	0.00	100.00
119.0-120.0	0.00	553.05	0.00	100.00	166.0-167.0	0.00	553.05	0.00	100.00
120.0-121.0	0.00	553.05	0.00	100.00	167.0-168.0	0.00	553.05	0.00	100.00
121.0-122.0	0.00	553.05	0.00	100.00	168.0-169.0	0.00	553.05	0.00	100.00
122.0-123.0	0.00	553.05	0.00	100.00	169.0-170.0	0.00	553.05	0.00	100.00
123.0-124.0	0.00	553.05	0.00	100.00	170.0-171.0	0.00	553.05	0.00	100.00
124.0-125.0	0.00	553.05	0.00	100.00	171.0-172.0	0.00	553.05	0.00	100.00
125.0-126.0	0.00	553.05	0.00	100.00	172.0-173.0	0.00	553.05	0.00	100.00
126.0-127.0	0.00	553.05	0.00	100.00	173.0-174.0	0.00	553.05	0.00	100.00
127.0-128.0	0.00	553.05	0.00	100.00	174.0-175.0	0.00	553.05	0.00	100.00
128.0-129.0	0.00	553.05	0.00	100.00	175.0-176.0	0.00	553.05	0.00	100.00
129.0-130.0	0.00	553.05	0.00	100.00	176.0-177.0	0.00	553.05	0.00	100.00
130.0-131.0	0.00	553.05	0.00	100.00	177.0-178.0	0.00	553.05	0.00	100.00
131.0-132.0	0.00	553.05	0.00	100.00	178.0-179.0	0.00	553.05	0.00	100.00
132.0-133.0	0.00	553.05	0.00	100.00	179.0-180.0	0.00	553.05	0.00	100.00
133.0-134.0	0.00	553.05	0.00	100.00					
134.0-135.0	0.00	553.05	0.00	100.00					
135.0-136.0	0.00	553.05	0.00	100.00					
136.0-137.0	0.00	553.05	0.00	100.00					
137.0-138.0	0.00	553.05	0.00	100.00					
138.0-139.0	0.00	553.05	0.00	100.00					
139.0-140.0	0.00	553.05	0.00	100.00					
140.0-141.0	0.00	553.05	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: 2023/09/26



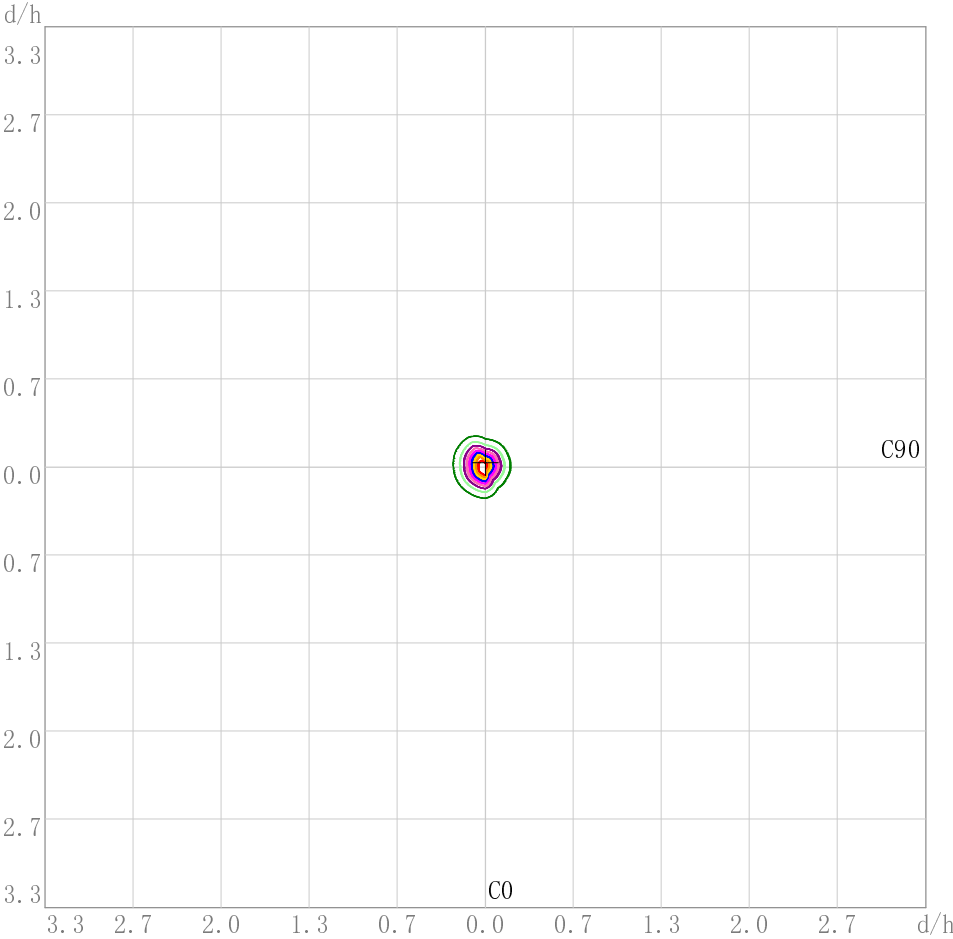
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Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/09/26

Plane ISO-Illuminance Curve



Curves:

unit:lx

[EMax] =759.039

— [EMax*90%]=683.135

— [EMax*80%]=607.231

— [EMax*70%]=531.327

— [EMax*60%]=455.423

— [EMax*50%]=379.519

— [EMax*40%]=303.615

— [EMax*30%]=227.712

— [EMax*20%]=151.808

— [EMax*10%]=75.904

Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 759.04

Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

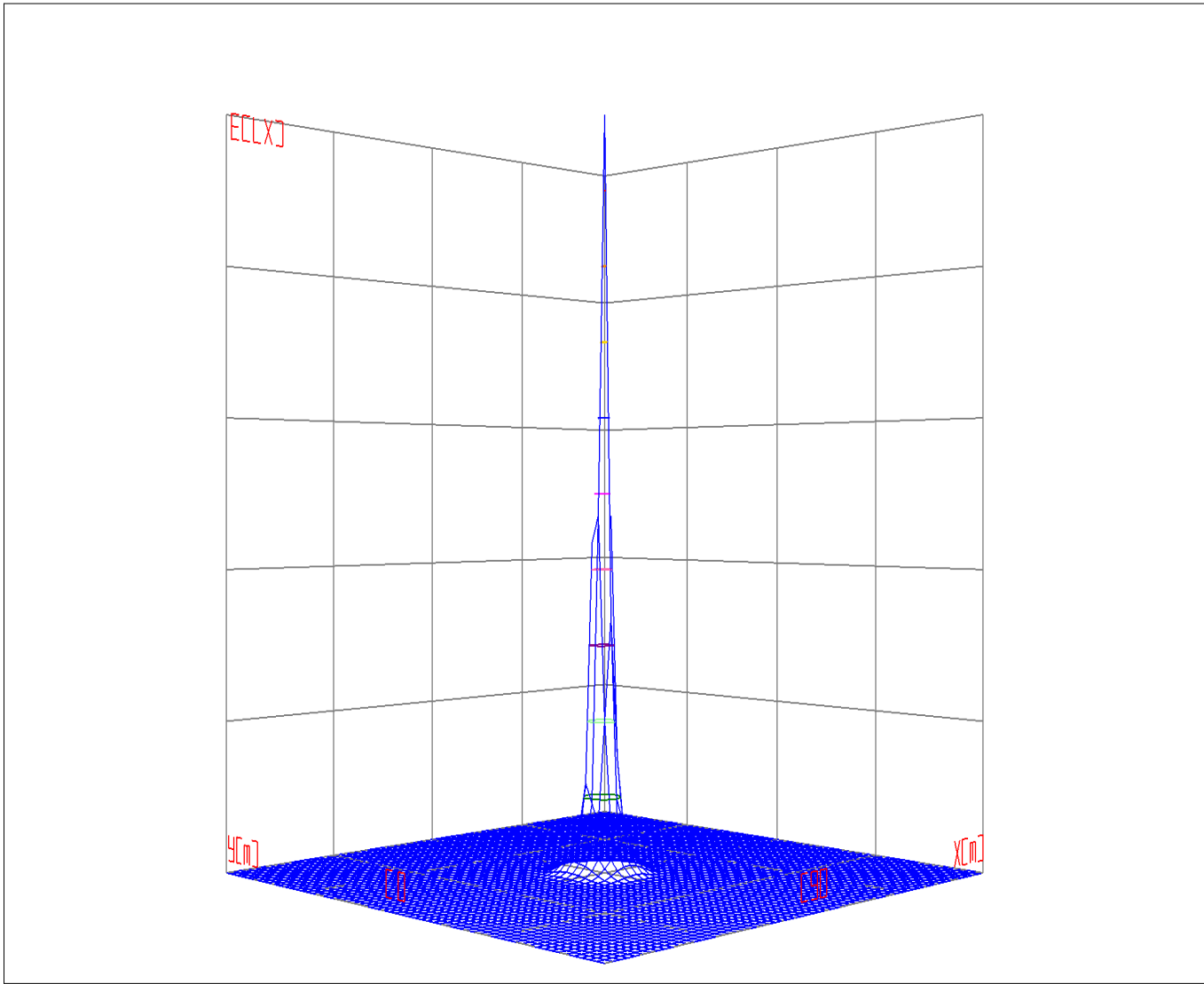
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3D Plane ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/26

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

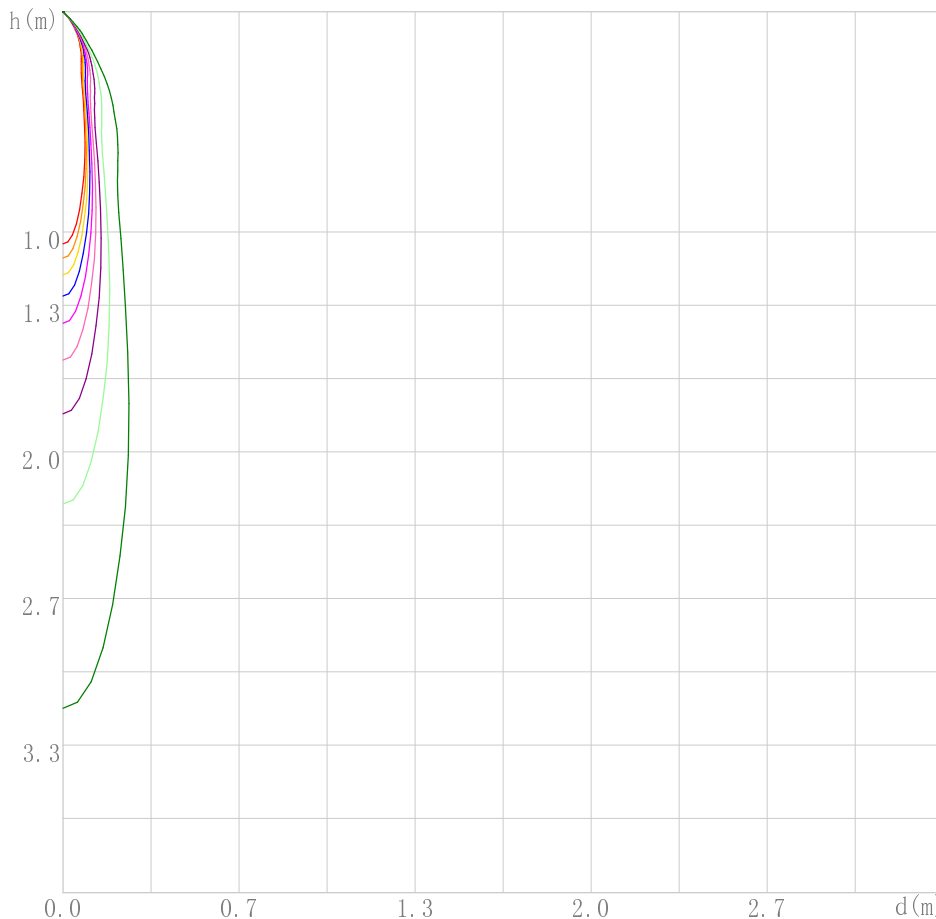
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Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2023/09/26

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =6437.547

— [EMax*90%]=5793.792

— [EMax*80%]=5150.038

— [EMax*70%]=4506.283

— [EMax*60%]=3862.528

— [EMax*50%]=3218.773

— [EMax*40%]=2575.019

— [EMax*30%]=1931.264

— [EMax*20%]=1287.509

— [EMax*10%]=643.755

Space Plane Maximum Illuminance and @Angle:6437.55lx,0.0deg

Plane Maximum Lighting Intensity and @Angle:6437.547cd,0deg

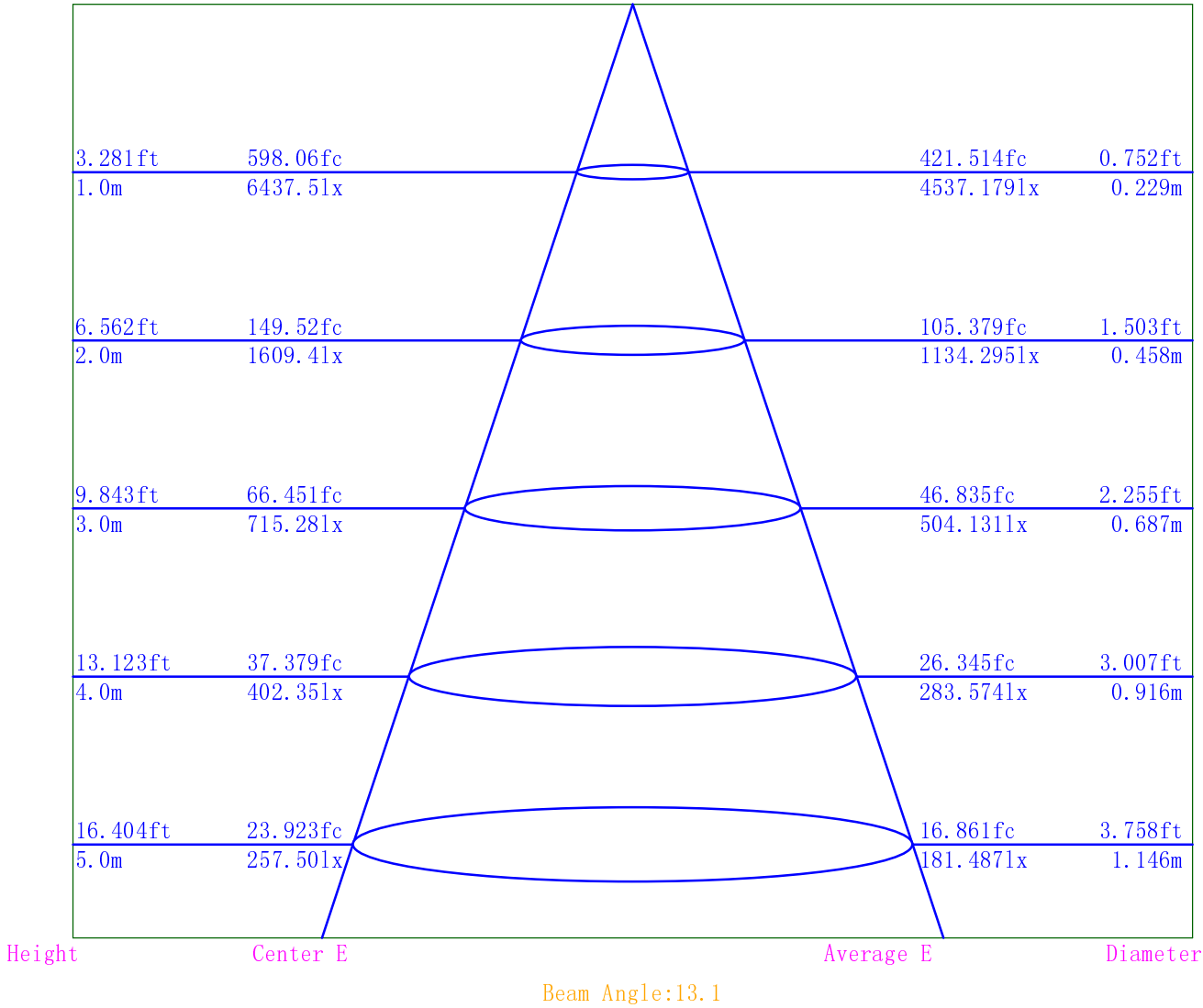
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Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2023/09/26

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: 2023/09/26

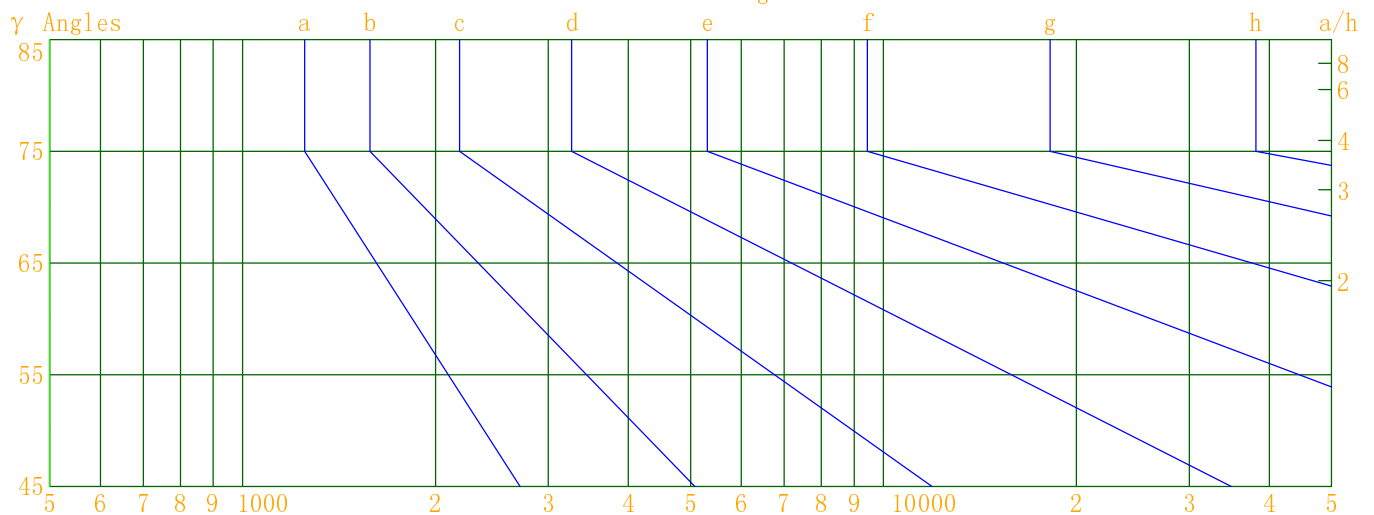
Glare Grade Table

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



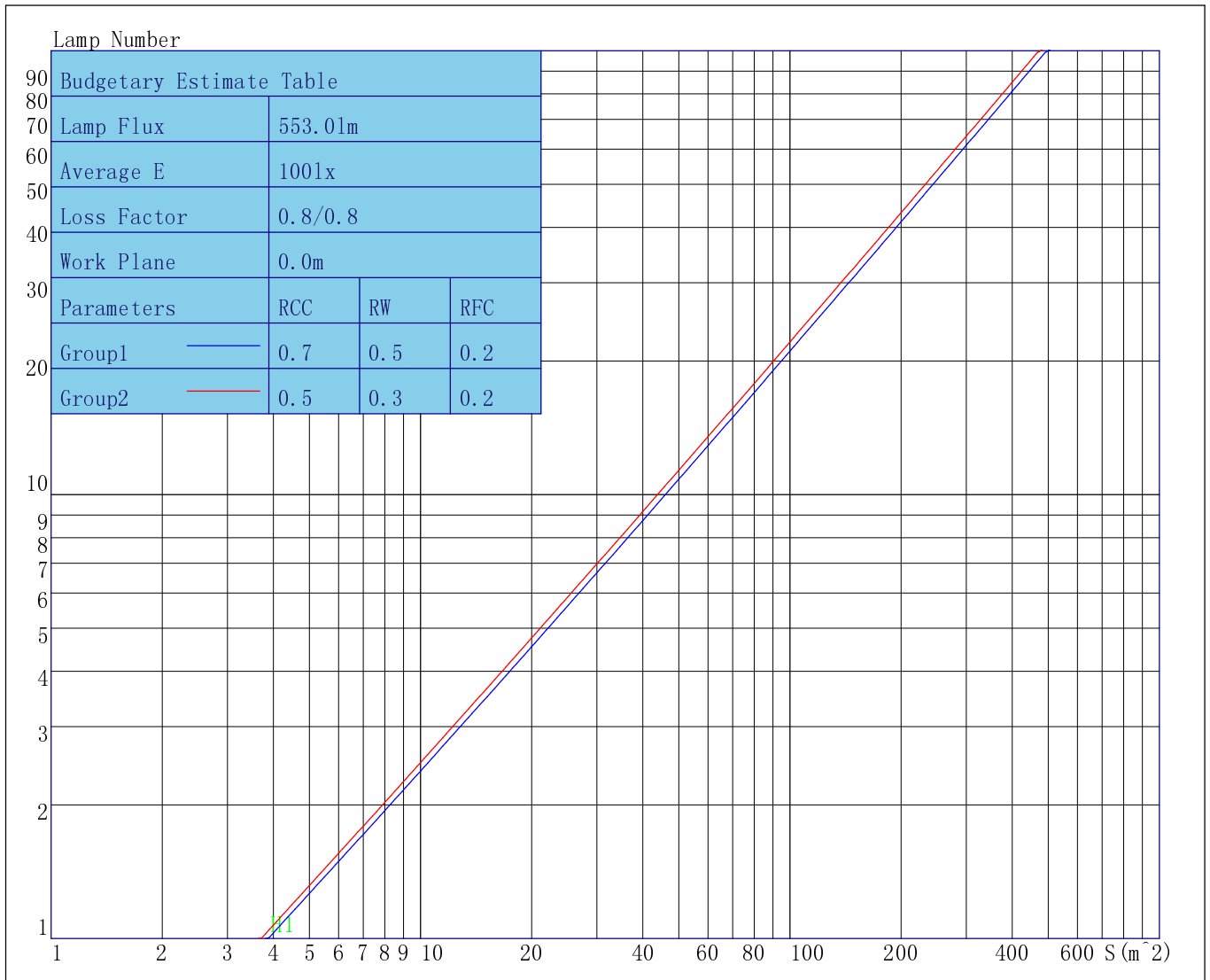
Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m²)=0.001963
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

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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: 2023/09/26



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: 2023/09/26

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	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98			
2	112	109	107	104	110	108	105	103	104	103	101	102	100	99	99	98	97	95			
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	93			
4	107	102	99	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91			
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	90	89			
6	102	97	93	90	101	96	93	90	95	92	90	93	91	89	92	90	89	88			
7	100	94	91	88	99	94	90	88	93	90	88	92	89	87	91	89	87	86			
8	98	92	89	86	97	92	88	86	91	88	86	90	87	86	89	87	85	84			
9	96	90	87	85	95	90	87	84	89	86	84	88	86	84	88	85	84	83			
10	94	88	85	83	93	88	85	83	88	85	83	87	84	82	86	84	82	82			

IES Indoor Report

Photometric Filename:OJL106 (NARROW) 9W.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: 2023/09/26

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	5.3	6.2	5.7	6.5	6.8	1.7	2.6	2.1	2.9	3.2
Y=3H	5.1	5.9	5.5	6.2	6.6	1.5	2.3	1.9	2.6	3.0
Y=4H	5.0	5.7	5.4	6.1	6.5	1.4	2.1	1.8	2.5	2.9
Y=6H	4.8	5.5	5.3	5.9	6.3	1.3	1.9	1.7	2.3	2.7
Y=8H	4.8	5.4	5.2	5.8	6.2	1.2	1.8	1.6	2.2	2.6
Y=12H	4.7	5.3	5.2	5.7	6.1	1.1	1.7	1.6	2.1	2.6
X=4H Y=2H	5.0	5.7	5.4	6.1	6.5	1.4	2.1	1.8	2.5	2.9
Y=3H	4.7	5.3	5.1	5.8	6.2	1.2	1.8	1.6	2.2	2.6
Y=4H	4.6	5.1	5.0	5.6	6.0	1.0	1.6	1.5	2.0	2.4
Y=6H	4.5	4.9	5.0	5.4	5.9	0.9	1.4	1.4	1.8	2.3
Y=8H	4.4	4.8	4.9	5.3	5.8	0.8	1.3	1.3	1.7	2.2
Y=12H	4.3	4.7	4.8	5.2	5.7	0.8	1.1	1.2	1.6	2.1
X=8H Y=4H	4.4	4.8	4.9	5.3	5.8	0.8	1.3	1.3	1.7	2.2
Y=6H	4.3	4.6	4.8	5.1	5.6	0.7	1.0	1.2	1.5	2.1
Y=8H	4.2	4.5	4.7	5.0	5.5	0.6	0.9	1.1	1.4	1.9
Y=12H	4.1	4.4	4.7	4.9	5.5	0.6	0.8	1.1	1.3	1.9
X=12H Y=4H	4.3	4.7	4.8	5.2	5.7	0.8	1.1	1.2	1.6	2.1
Y=6H	4.2	4.5	4.7	5.0	5.5	0.6	0.9	1.2	1.4	1.9
Y=8H	4.1	4.4	4.7	4.9	5.5	0.6	0.8	1.1	1.3	1.9
Variations with the observer 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.

