

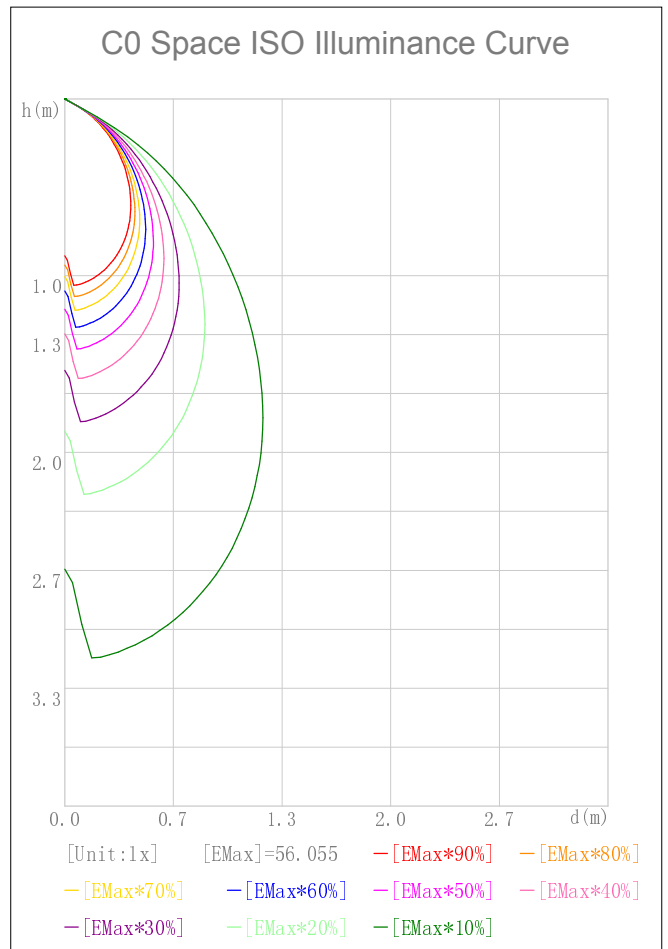
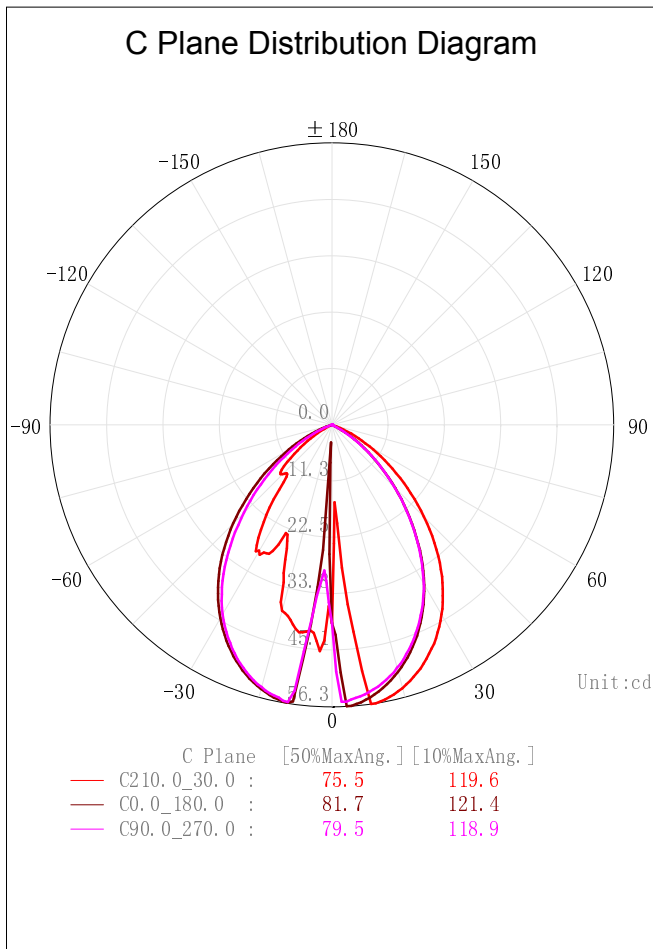
Indoor Luminaire Photometric Data

Description Information

Luminaire Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2024/09/25
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

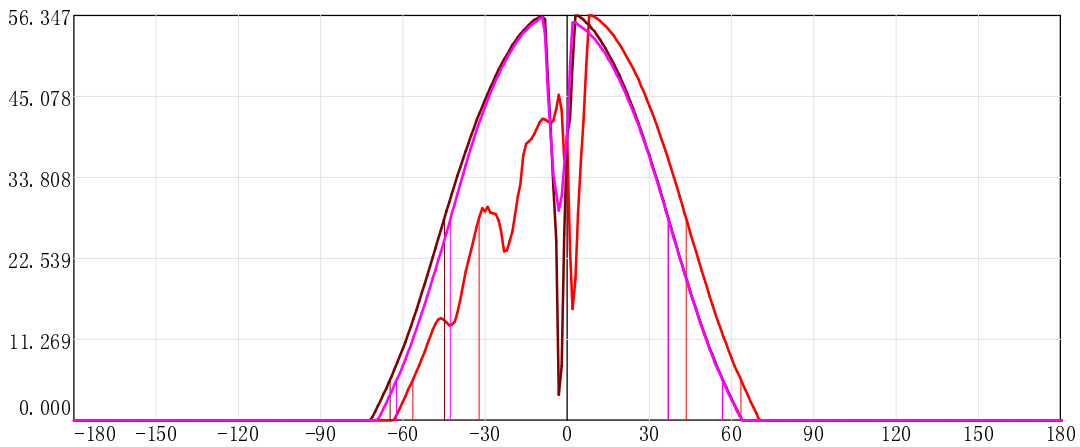
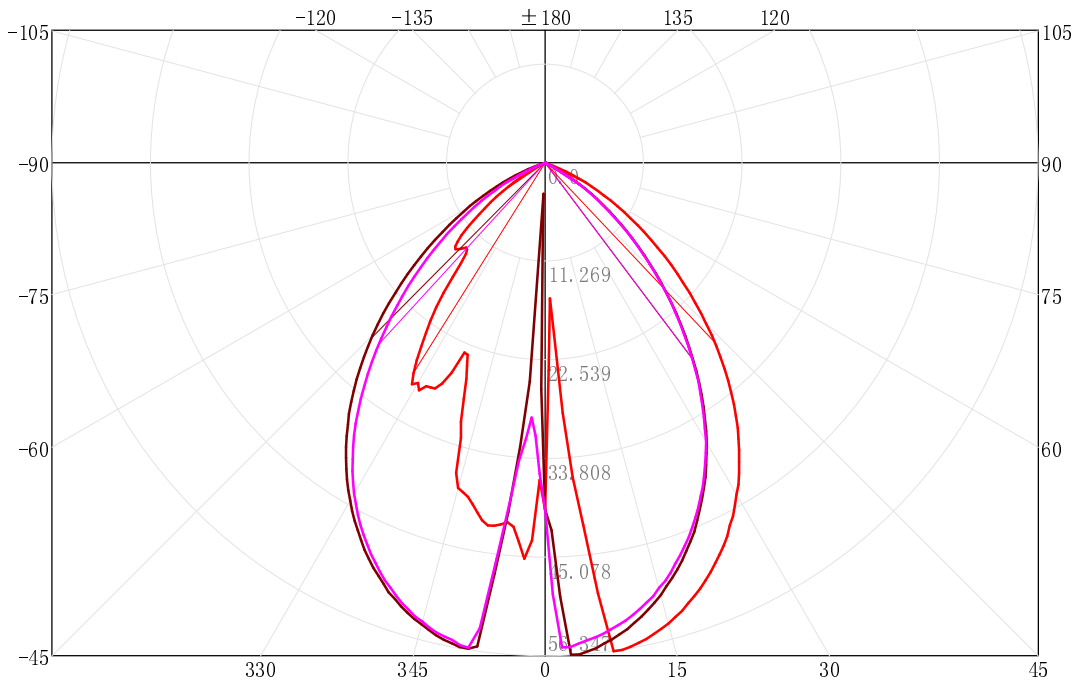
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 89.780	Luminaire Flux(lm): 89.780	Field Angle(10%Imax): 119.6(°)	
Rated Power(W):	Luminaire Efficiency: 100.00%	Down Lumens&Percent: 89.780lm 100.00%	
Rated Voltage(V): 220	Luminaire EER(lm/W): 28.144	Up Lumens&Percent: 0.000lm 0.00%	
Tested Power(W): 3.190	Max. Candela(cd): 56.347	S/MH: C0_a180=0.669 C90_270=1.364	
Lamps' Inside: 1	Max Cand@Ang.(°): C=210.0 γ=9.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):229.8, 0.028, 0.483	Beam Angle(50%Imax): 75.5(°)	ErP Φ use(90°): 69.6291m	
Lamp Size(W*L*H):0.050m*~0.050m*0.000m	Left=-32.1°, Right=43.4°	IRF(%): 156.038	



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: 2024/09/25

C Plane Distribution Diagram

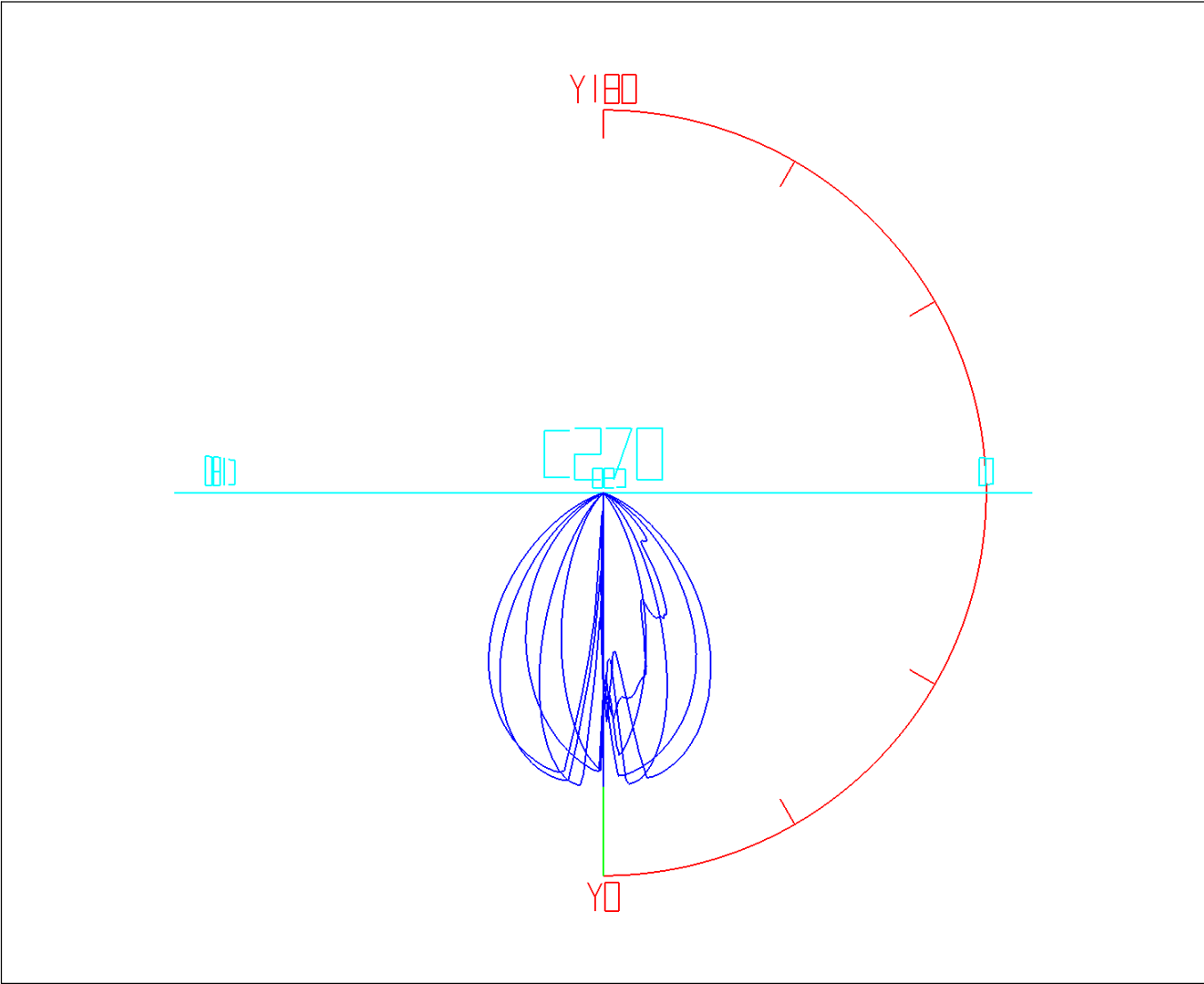


	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C210_0_30_0 :	75.5	119.6	
—	C0_0_180_0 :	81.7	121.4	
—	C90_0_270_0 :	79.5	118.9	

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: 2024/09/25

3D Light Intensity Distribution Modal



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

IES Indoor Report
Photometric Filename:LL-1801-0300-AH.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	0.04	0.04	0.04	0.04	47.0-48.0	1.56	74.74	1.74	83.24
1.0-2.0	0.11	0.15	0.12	0.17	48.0-49.0	1.49	76.23	1.66	84.90
2.0-3.0	0.18	0.33	0.20	0.37	49.0-50.0	1.41	77.64	1.58	86.48
3.0-4.0	0.26	0.59	0.29	0.66	50.0-51.0	1.34	78.98	1.49	87.97
4.0-5.0	0.36	0.95	0.40	1.06	51.0-52.0	1.25	80.23	1.40	89.36
5.0-6.0	0.46	1.41	0.51	1.57	52.0-53.0	1.17	81.40	1.31	90.67
6.0-7.0	0.58	1.99	0.65	2.22	53.0-54.0	1.09	82.49	1.21	91.88
7.0-8.0	0.72	2.71	0.80	3.02	54.0-55.0	1.01	83.50	1.12	93.01
8.0-9.0	0.85	3.57	0.95	3.97	55.0-56.0	0.92	84.42	1.03	94.03
9.0-10.0	0.97	4.54	1.08	5.05	56.0-57.0	0.84	85.26	0.93	94.97
10.0-11.0	1.07	5.60	1.19	6.24	57.0-58.0	0.76	86.02	0.84	95.81
11.0-12.0	1.16	6.76	1.29	7.53	58.0-59.0	0.67	86.69	0.75	96.56
12.0-13.0	1.25	8.01	1.39	8.92	59.0-60.0	0.59	87.28	0.66	97.22
13.0-14.0	1.33	9.35	1.49	10.41	60.0-61.0	0.51	87.80	0.57	97.79
14.0-15.0	1.42	10.76	1.58	11.99	61.0-62.0	0.44	88.24	0.49	98.28
15.0-16.0	1.50	12.26	1.67	13.66	62.0-63.0	0.37	88.60	0.41	98.69
16.0-17.0	1.57	13.83	1.75	15.40	63.0-64.0	0.30	88.90	0.33	99.02
17.0-18.0	1.63	15.46	1.82	17.22	64.0-65.0	0.24	89.14	0.27	99.29
18.0-19.0	1.70	17.16	1.89	19.11	65.0-66.0	0.19	89.33	0.22	99.50
19.0-20.0	1.76	18.92	1.96	21.07	66.0-67.0	0.15	89.49	0.17	99.67
20.0-21.0	1.81	20.73	2.02	23.09	67.0-68.0	0.12	89.60	0.13	99.80
21.0-22.0	1.86	22.59	2.08	25.16	68.0-69.0	0.08	89.68	0.09	99.89
22.0-23.0	1.91	24.51	2.13	27.30	69.0-70.0	0.05	89.74	0.06	99.95
23.0-24.0	1.97	26.47	2.19	29.49	70.0-71.0	0.03	89.77	0.03	99.98
24.0-25.0	2.02	28.49	2.25	31.74	71.0-72.0	0.01	89.78	0.01	100.00
25.0-26.0	2.06	30.56	2.30	34.03	72.0-73.0	0.00	89.78	0.00	100.00
26.0-27.0	2.10	32.66	2.34	36.38	73.0-74.0	0.00	89.78	0.00	100.00
27.0-28.0	2.13	34.79	2.37	38.75	74.0-75.0	0.00	89.78	0.00	100.00
28.0-29.0	2.16	36.95	2.41	41.16	75.0-76.0	0.00	89.78	0.00	100.00
29.0-30.0	2.18	39.13	2.43	43.59	76.0-77.0	0.00	89.78	0.00	100.00
30.0-31.0	2.20	41.33	2.45	46.03	77.0-78.0	0.00	89.78	0.00	100.00
31.0-32.0	2.20	43.53	2.45	48.49	78.0-79.0	0.00	89.78	0.00	100.00
32.0-33.0	2.20	45.73	2.45	50.94	79.0-80.0	0.00	89.78	0.00	100.00
33.0-34.0	2.19	47.92	2.44	53.38	80.0-81.0	0.00	89.78	0.00	100.00
34.0-35.0	2.18	50.10	2.42	55.80	81.0-82.0	0.00	89.78	0.00	100.00
35.0-36.0	2.16	52.25	2.40	58.20	82.0-83.0	0.00	89.78	0.00	100.00
36.0-37.0	2.13	54.38	2.37	60.57	83.0-84.0	0.00	89.78	0.00	100.00
37.0-38.0	2.10	56.48	2.33	62.91	84.0-85.0	0.00	89.78	0.00	100.00
38.0-39.0	2.06	58.53	2.29	65.20	85.0-86.0	0.00	89.78	0.00	100.00
39.0-40.0	2.01	60.54	2.24	67.43	86.0-87.0	0.00	89.78	0.00	100.00
40.0-41.0	1.96	62.50	2.18	69.62	87.0-88.0	0.00	89.78	0.00	100.00
41.0-42.0	1.91	64.41	2.13	71.75	88.0-89.0	0.00	89.78	0.00	100.00
42.0-43.0	1.86	66.28	2.07	73.82	89.0-90.0	0.00	89.78	0.00	100.00
43.0-44.0	1.81	68.09	2.02	75.84	90.0-91.0	0.00	89.78	0.00	100.00
44.0-45.0	1.76	69.84	1.96	77.79	91.0-92.0	0.00	89.78	0.00	100.00
45.0-46.0	1.70	71.54	1.89	79.68	92.0-93.0	0.00	89.78	0.00	100.00
46.0-47.0	1.63	73.17	1.82	81.50	93.0-94.0	0.00	89.78	0.00	100.00

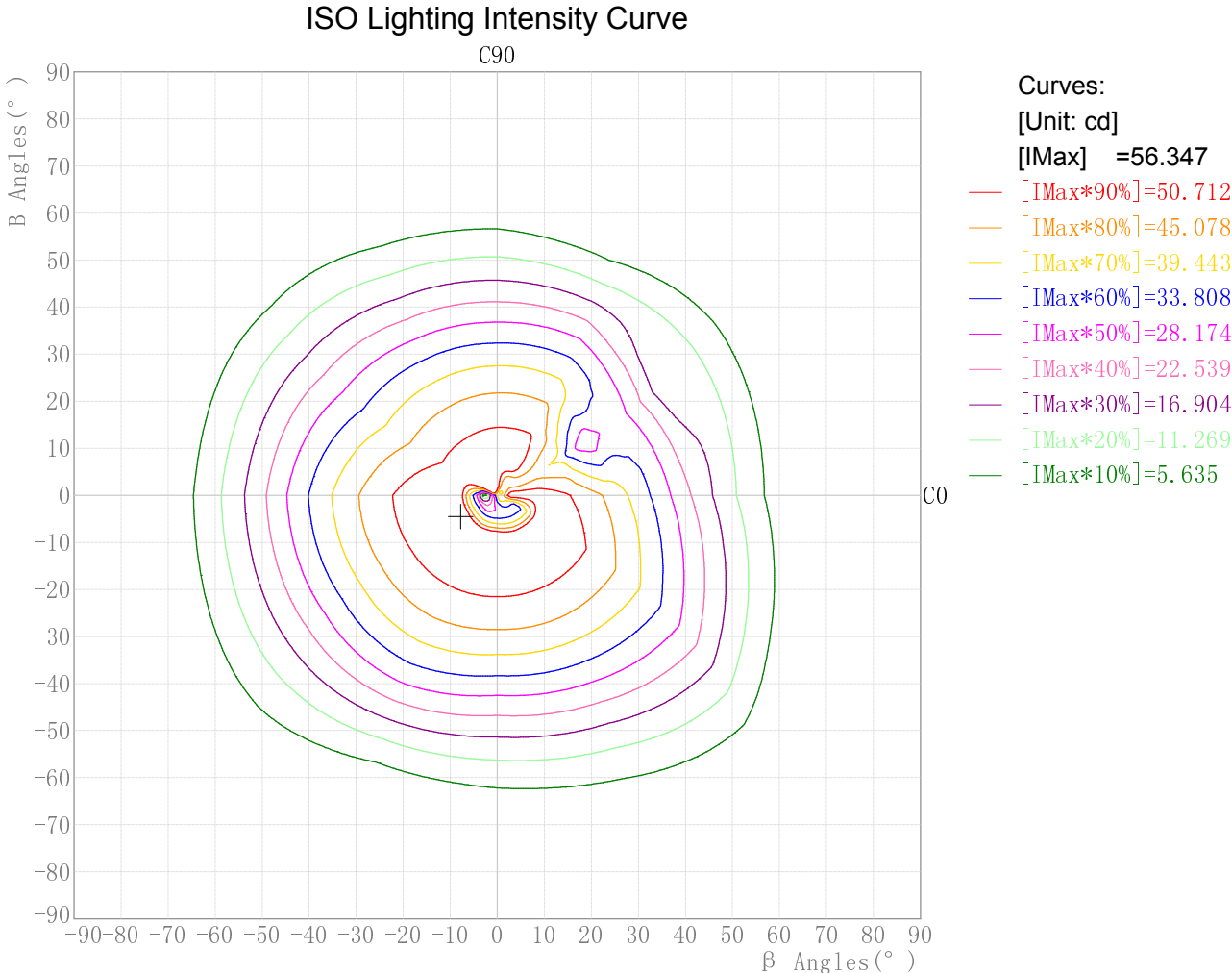
IES Indoor Report
Photometric Filename:LL-1801-0300-AH.IES

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	89.78	0.00	100.00	141.0-142.0	0.00	89.78	0.00	100.00
95.0-96.0	0.00	89.78	0.00	100.00	142.0-143.0	0.00	89.78	0.00	100.00
96.0-97.0	0.00	89.78	0.00	100.00	143.0-144.0	0.00	89.78	0.00	100.00
97.0-98.0	0.00	89.78	0.00	100.00	144.0-145.0	0.00	89.78	0.00	100.00
98.0-99.0	0.00	89.78	0.00	100.00	145.0-146.0	0.00	89.78	0.00	100.00
99.0-100.0	0.00	89.78	0.00	100.00	146.0-147.0	0.00	89.78	0.00	100.00
100.0-101.0	0.00	89.78	0.00	100.00	147.0-148.0	0.00	89.78	0.00	100.00
101.0-102.0	0.00	89.78	0.00	100.00	148.0-149.0	0.00	89.78	0.00	100.00
102.0-103.0	0.00	89.78	0.00	100.00	149.0-150.0	0.00	89.78	0.00	100.00
103.0-104.0	0.00	89.78	0.00	100.00	150.0-151.0	0.00	89.78	0.00	100.00
104.0-105.0	0.00	89.78	0.00	100.00	151.0-152.0	0.00	89.78	0.00	100.00
105.0-106.0	0.00	89.78	0.00	100.00	152.0-153.0	0.00	89.78	0.00	100.00
106.0-107.0	0.00	89.78	0.00	100.00	153.0-154.0	0.00	89.78	0.00	100.00
107.0-108.0	0.00	89.78	0.00	100.00	154.0-155.0	0.00	89.78	0.00	100.00
108.0-109.0	0.00	89.78	0.00	100.00	155.0-156.0	0.00	89.78	0.00	100.00
109.0-110.0	0.00	89.78	0.00	100.00	156.0-157.0	0.00	89.78	0.00	100.00
110.0-111.0	0.00	89.78	0.00	100.00	157.0-158.0	0.00	89.78	0.00	100.00
111.0-112.0	0.00	89.78	0.00	100.00	158.0-159.0	0.00	89.78	0.00	100.00
112.0-113.0	0.00	89.78	0.00	100.00	159.0-160.0	0.00	89.78	0.00	100.00
113.0-114.0	0.00	89.78	0.00	100.00	160.0-161.0	0.00	89.78	0.00	100.00
114.0-115.0	0.00	89.78	0.00	100.00	161.0-162.0	0.00	89.78	0.00	100.00
115.0-116.0	0.00	89.78	0.00	100.00	162.0-163.0	0.00	89.78	0.00	100.00
116.0-117.0	0.00	89.78	0.00	100.00	163.0-164.0	0.00	89.78	0.00	100.00
117.0-118.0	0.00	89.78	0.00	100.00	164.0-165.0	0.00	89.78	0.00	100.00
118.0-119.0	0.00	89.78	0.00	100.00	165.0-166.0	0.00	89.78	0.00	100.00
119.0-120.0	0.00	89.78	0.00	100.00	166.0-167.0	0.00	89.78	0.00	100.00
120.0-121.0	0.00	89.78	0.00	100.00	167.0-168.0	0.00	89.78	0.00	100.00
121.0-122.0	0.00	89.78	0.00	100.00	168.0-169.0	0.00	89.78	0.00	100.00
122.0-123.0	0.00	89.78	0.00	100.00	169.0-170.0	0.00	89.78	0.00	100.00
123.0-124.0	0.00	89.78	0.00	100.00	170.0-171.0	0.00	89.78	0.00	100.00
124.0-125.0	0.00	89.78	0.00	100.00	171.0-172.0	0.00	89.78	0.00	100.00
125.0-126.0	0.00	89.78	0.00	100.00	172.0-173.0	0.00	89.78	0.00	100.00
126.0-127.0	0.00	89.78	0.00	100.00	173.0-174.0	0.00	89.78	0.00	100.00
127.0-128.0	0.00	89.78	0.00	100.00	174.0-175.0	0.00	89.78	0.00	100.00
128.0-129.0	0.00	89.78	0.00	100.00	175.0-176.0	0.00	89.78	0.00	100.00
129.0-130.0	0.00	89.78	0.00	100.00	176.0-177.0	0.00	89.78	0.00	100.00
130.0-131.0	0.00	89.78	0.00	100.00	177.0-178.0	0.00	89.78	0.00	100.00
131.0-132.0	0.00	89.78	0.00	100.00	178.0-179.0	0.00	89.78	0.00	100.00
132.0-133.0	0.00	89.78	0.00	100.00	179.0-180.0	0.00	89.78	0.00	100.00
133.0-134.0	0.00	89.78	0.00	100.00					
134.0-135.0	0.00	89.78	0.00	100.00					
135.0-136.0	0.00	89.78	0.00	100.00					
136.0-137.0	0.00	89.78	0.00	100.00					
137.0-138.0	0.00	89.78	0.00	100.00					
138.0-139.0	0.00	89.78	0.00	100.00					
139.0-140.0	0.00	89.78	0.00	100.00					
140.0-141.0	0.00	89.78	0.00	100.00					

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: 2024/09/25

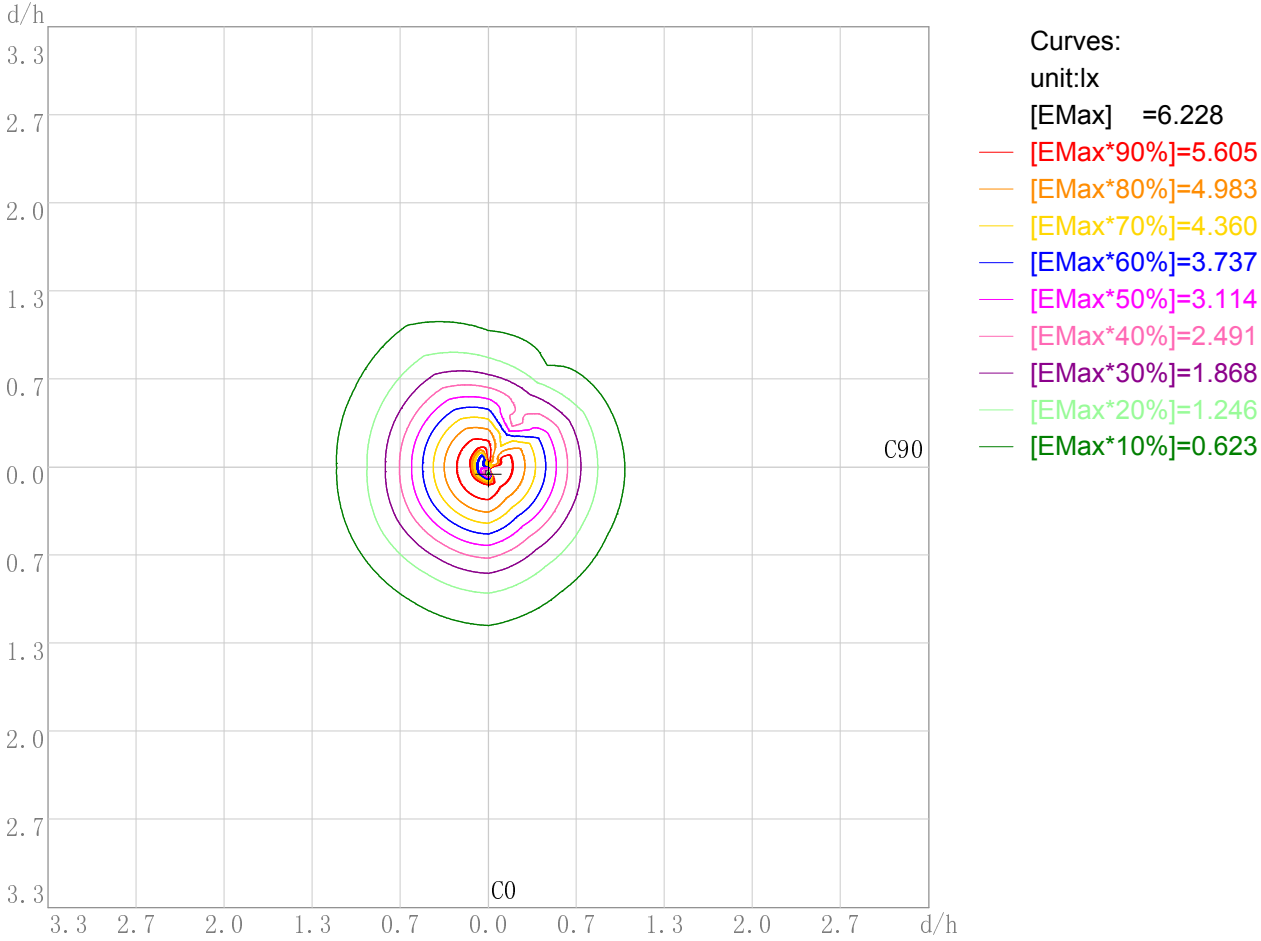


Maximum Light Intensity(cd): 56.35
 Maximum Cand.@Angle: H=-7.8°,V=-4.5°

Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/09/25

Plane ISO-Illuminance Curve

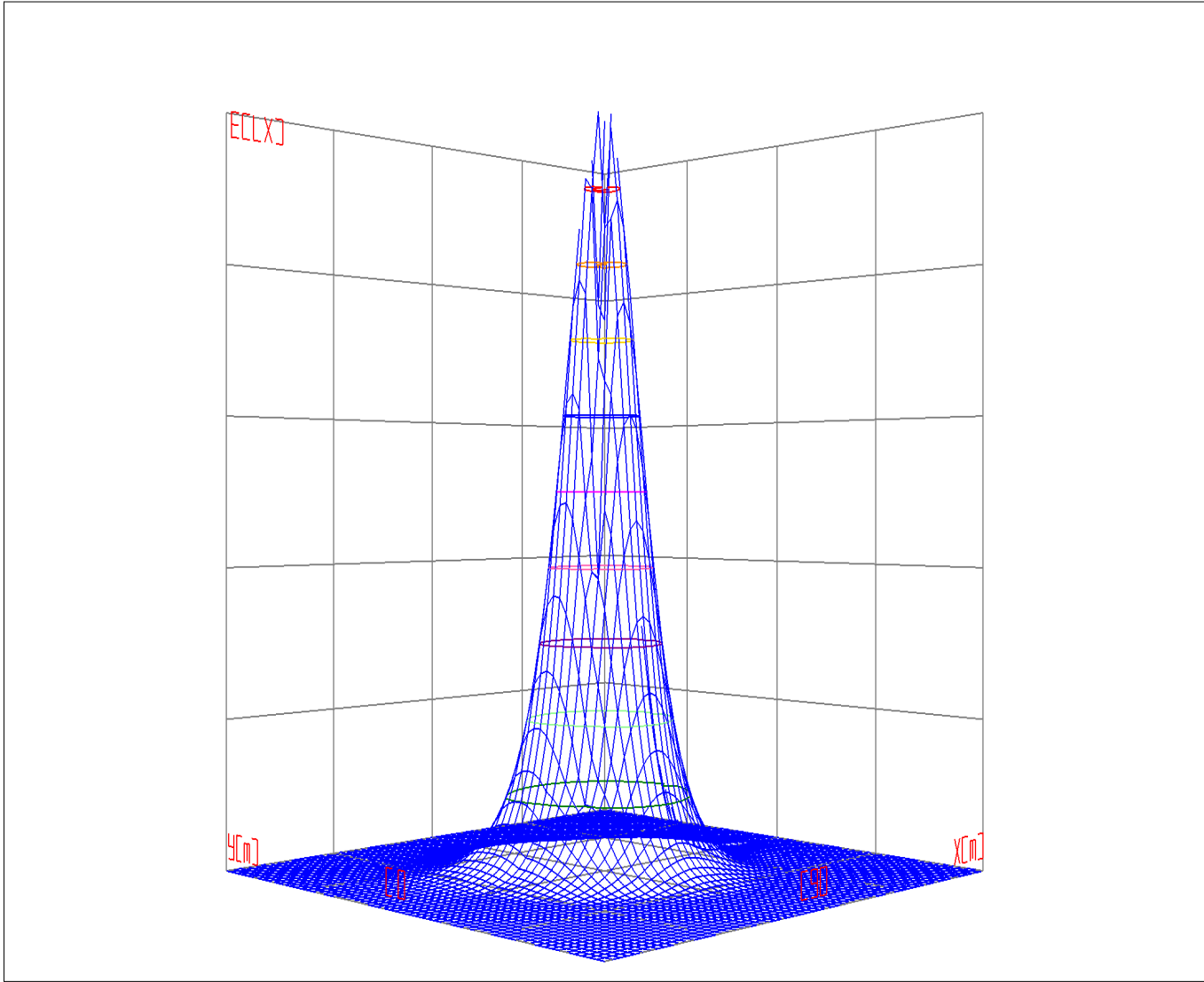


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 6.23
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1

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: 2024/09/25

3D Plane Illuminance Modal

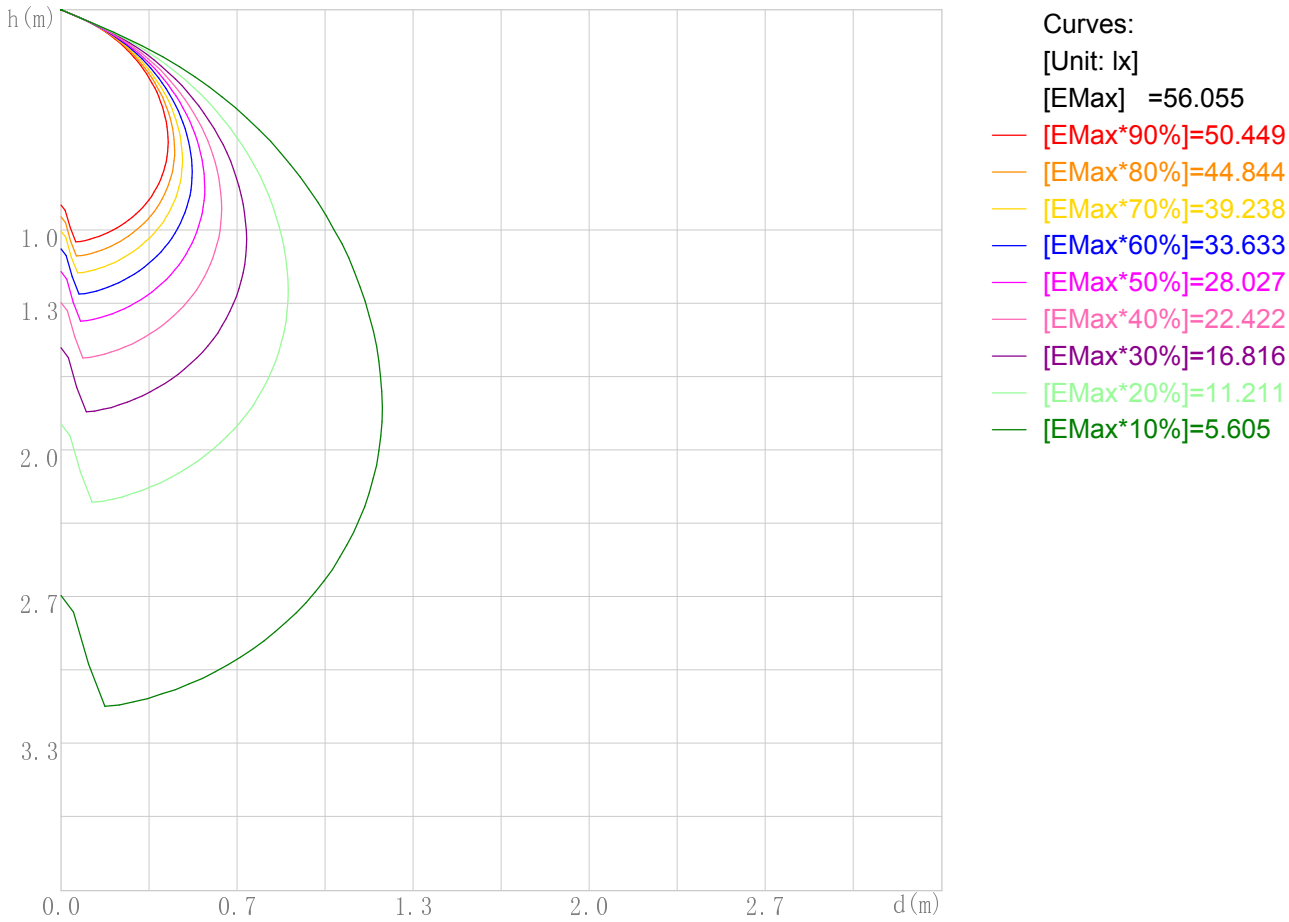


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/09/25

Space ISO Illuminance Curve

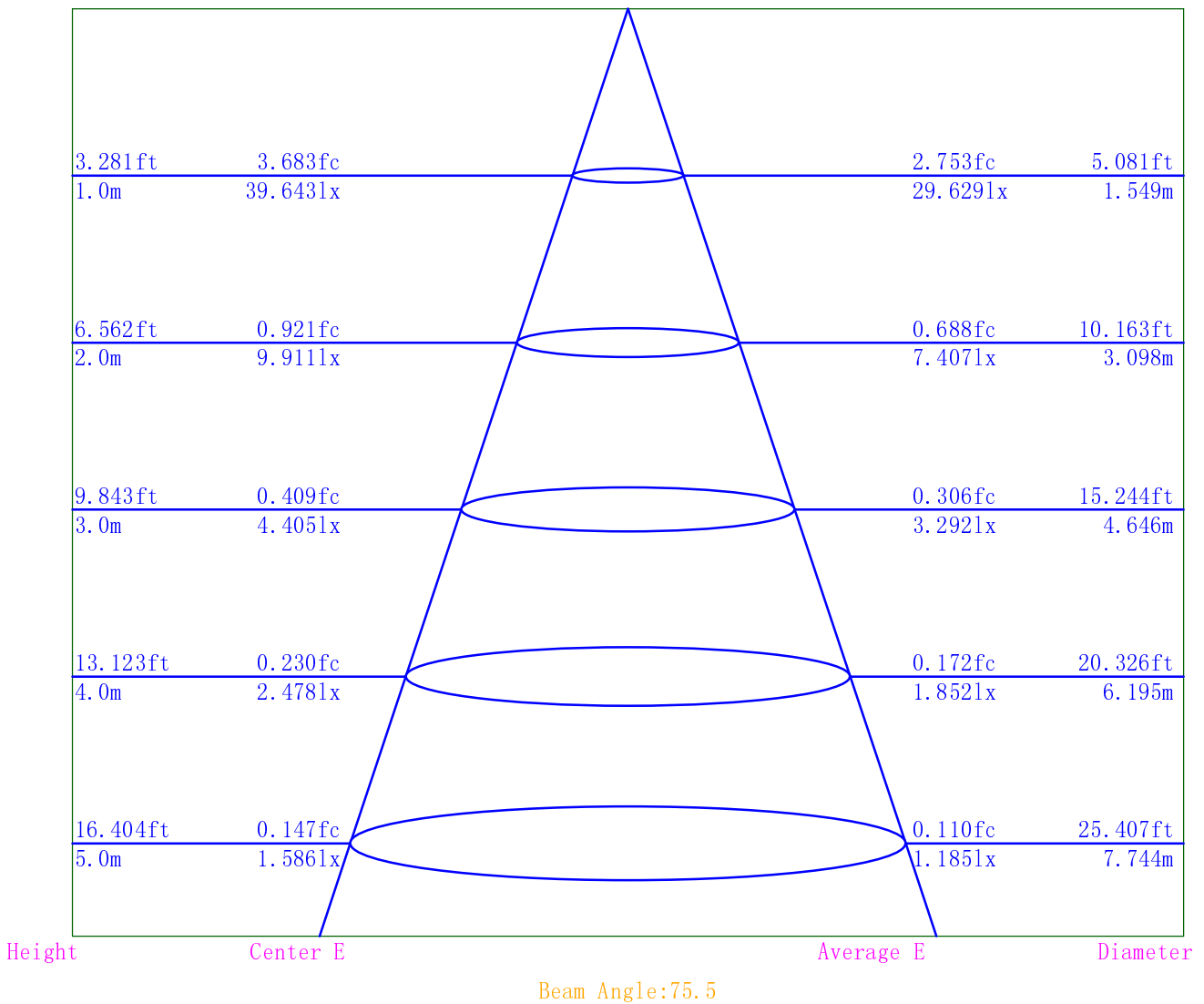


Space Plane Maximum Illuminance and @Angle:56.05lx,3.0deg
 Plane Maximum Lighting Intensity and @Angle:56.286cd,0deg

Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/09/25

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: 2024/09/25

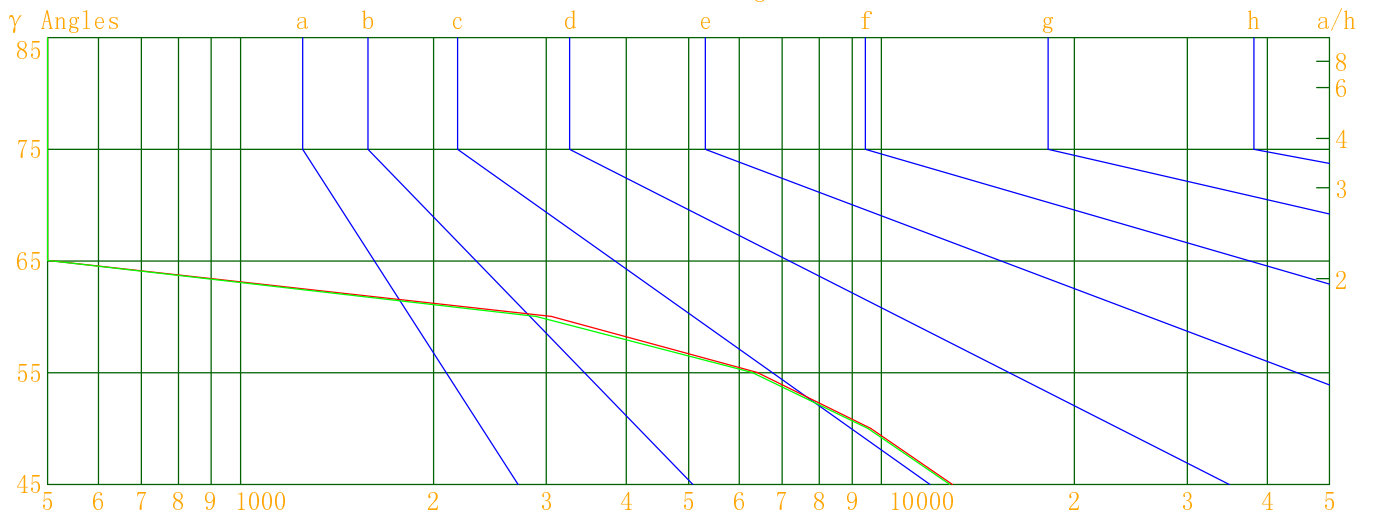
Glare Grade Table

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	12905	9628	6402	3056	0	0	0	0	0
C90	12792	9526	6285	2891	0	0	0	0	0

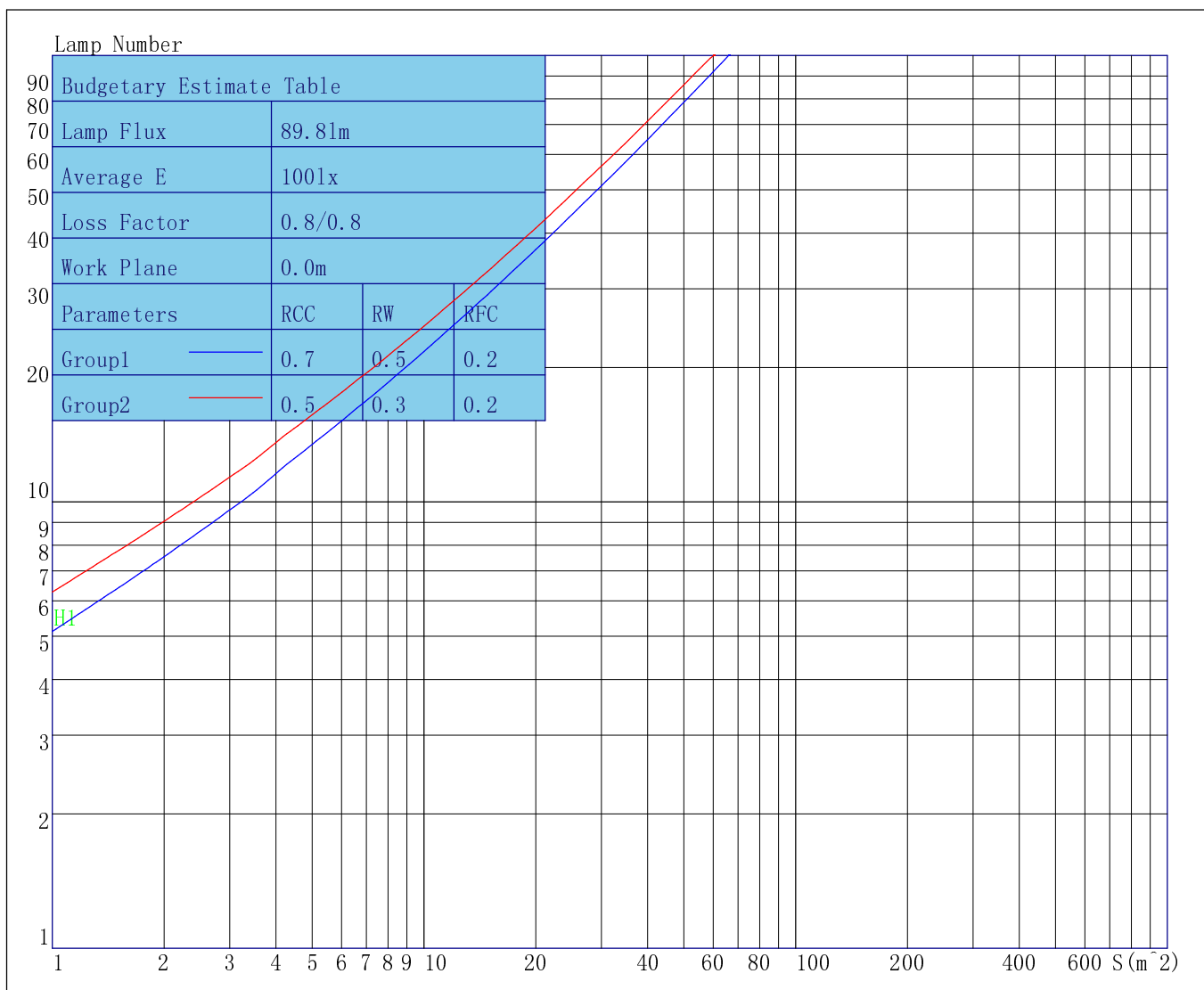
Luminance Limiting Curve



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: —

Indoor Budgetary Estimate Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/09/25



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

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: 2024/09/25

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	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	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	91
2	105	99	93	89	102	97	92	88	93	90	86	90	87	84	87	85	83	81
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	57	50	45	68	57	50	45	55	49	45	54	49	44	53	48	44	42
9	65	53	46	41	64	53	46	41	51	45	41	50	45	41	50	44	40	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36

IES Indoor Report
Photometric Filename:LL-1801-0300-AH.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: 2024/09/25

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	19.7	21.0	20.0	21.3	21.6	17.6	18.9	17.9	19.2	19.5
	Y=3H	19.6	20.8	20.0	21.1	21.4	17.4	18.6	17.8	18.9	19.3
	Y=4H	19.5	20.6	19.9	20.9	21.3	17.4	18.4	17.8	18.8	19.2
	Y=6H	19.4	20.4	19.9	20.8	21.2	17.3	18.3	17.7	18.6	19.0
	Y=8H	19.4	20.3	19.8	20.7	21.1	17.2	18.2	17.7	18.6	19.0
	Y=12H	19.4	20.2	19.8	20.6	21.1	17.2	18.1	17.6	18.5	18.9
X=4H	Y=2H	19.9	20.9	20.3	21.3	21.7	17.5	18.6	17.9	19.0	19.3
	Y=3H	19.8	20.7	20.3	21.1	21.5	17.4	18.3	17.8	18.7	19.1
	Y=4H	19.7	20.5	20.2	20.9	21.4	17.3	18.1	17.7	18.5	18.9
	Y=6H	19.7	20.3	20.1	20.8	21.2	17.2	17.9	17.7	18.3	18.8
	Y=8H	19.6	20.2	20.1	20.7	21.1	17.2	17.8	17.6	18.2	18.7
	Y=12H	19.6	20.1	20.0	20.6	21.1	17.1	17.6	17.6	18.1	18.6
X=8H	Y=4H	19.6	20.2	20.1	20.7	21.1	17.2	17.8	17.6	18.2	18.7
	Y=6H	19.5	20.0	20.0	20.5	21.0	17.0	17.6	17.5	18.0	18.6
	Y=8H	19.4	19.9	20.0	20.4	20.9	17.0	17.4	17.5	18.0	18.4
	Y=12H	19.4	19.8	19.9	20.3	20.9	16.9	17.3	17.4	17.8	18.4
X=12H	Y=4H	19.6	20.1	20.0	20.6	21.1	17.1	17.6	17.6	18.1	18.6
	Y=6H	19.4	19.9	20.0	20.4	20.9	17.0	17.4	17.5	17.9	18.5
	Y=8H	19.4	19.8	19.9	20.3	20.9	16.9	17.3	17.4	17.8	18.4
Variations with the objerver position at spacings											
S=1.0H	0.0/0.0					0.0/0.0					
S=1.5H	9.9/0.0					0.0/0.0					
S=2.0H	8.1/0.0					14.4/0.0					
Reduced UGR Table:											
Nordic Standard Table:	BKO					BKO					
Correction Value	0.3					0.1					

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

IES Indoor Report
Photometric Filename:LL-1801-0300-AH.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	39.64	39.64	39.64	39.64	39.64	39.64	39.64	39.64	39.64	39.64	39.64	39.64
γ 1.0	41.97	36.24	39.01	49.31	55.47	55.50	25.87	23.75	28.17	35.53	42.01	45.47
γ 2.0	49.56	43.17	41.52	55.38	55.36	55.51	7.58	15.51	25.21	31.17	36.74	39.73
γ 3.0	56.29	45.28	40.11	55.39	55.11	55.33	3.55	19.70	24.53	29.15	33.27	36.08
γ 4.0	56.28	43.34	41.69	55.04	54.93	55.01	25.08	28.67	28.30	31.64	32.67	31.54
γ 5.0	56.01	41.73	46.43	54.78	54.73	54.71	32.54	36.06	34.65	34.22	32.91	31.44
γ 6.0	55.76	41.29	51.90	54.52	54.51	54.36	40.11	41.57	39.97	39.41	36.68	34.25
γ 7.0	55.33	41.61	54.25	54.24	54.24	53.97	47.29	49.54	45.74	45.66	41.50	38.47
γ 8.0	55.00	41.89	54.16	53.83	53.82	53.58	55.81	56.33	54.25	53.67	47.69	44.24
γ 9.0	54.53	41.95	53.84	53.47	53.41	53.16	56.18	56.35	56.19	56.08	55.19	50.84
γ 10.0	54.11	41.46	53.36	53.11	52.92	52.63	56.16	56.14	56.00	55.96	55.83	55.78
γ 11.0	53.53	40.66	52.95	52.61	52.36	52.26	55.92	55.88	55.69	55.53	55.58	55.75
γ 12.0	52.99	39.84	52.33	52.09	51.78	51.68	55.70	55.61	55.45	55.32	55.32	55.47
γ 13.0	52.37	39.19	51.77	51.55	51.16	51.06	55.39	55.24	55.13	55.08	55.08	55.20
γ 14.0	51.77	38.78	51.21	51.03	50.57	50.48	54.99	54.88	54.76	54.71	54.77	54.83
γ 15.0	51.10	38.48	50.67	50.29	49.92	49.86	54.60	54.47	54.34	54.23	54.42	54.42
γ 16.0	50.34	36.88	49.99	49.70	49.23	49.17	54.22	53.99	53.87	53.92	53.93	53.97
γ 17.0	49.60	32.89	49.28	48.97	48.54	48.56	53.77	53.54	53.46	53.37	53.44	53.56
γ 18.0	48.87	31.12	48.60	48.15	47.76	47.79	53.31	52.91	52.98	52.89	52.95	53.06
γ 19.0	48.08	28.49	47.84	47.43	46.97	47.00	52.71	52.37	52.33	52.30	52.38	52.56
γ 20.0	47.20	26.26	46.94	46.59	46.20	46.24	52.23	51.80	51.72	51.67	51.81	51.96
γ 21.0	46.34	24.88	46.17	45.79	45.40	45.46	51.51	51.11	51.19	51.08	51.13	51.35
γ 22.0	45.45	23.65	45.24	44.87	44.50	44.62	50.88	50.43	50.43	50.40	50.57	50.72
γ 23.0	44.41	23.54	44.41	43.96	43.59	43.70	50.26	49.72	49.86	49.63	49.79	50.03
γ 24.0	43.40	26.24	43.40	43.03	42.68	42.85	49.50	48.98	49.16	48.94	49.13	49.46
γ 25.0	42.41	27.84	42.42	42.03	41.70	42.05	48.80	48.26	48.40	48.08	48.39	48.68
γ 26.0	41.34	28.70	41.49	41.10	40.71	41.12	47.98	47.47	47.64	47.30	47.65	47.93
γ 27.0	40.31	28.81	40.49	40.01	39.77	40.15	47.13	46.50	46.86	46.45	46.86	47.08
γ 28.0	39.15	28.91	39.35	38.94	38.74	39.22	46.32	45.71	46.03	45.54	45.92	46.29
γ 29.0	38.01	29.71	38.40	37.86	37.72	38.35	45.49	44.75	45.14	44.59	45.09	45.43
γ 30.0	36.94	29.07	37.25	36.76	36.55	37.39	44.54	43.76	44.16	43.62	44.16	44.66
γ 31.0	35.70	29.52	36.09	35.42	35.48	36.40	43.65	42.90	43.24	42.57	43.18	43.83
γ 32.0	34.44	28.35	34.92	34.25	34.33	35.37	42.70	41.83	42.31	41.52	42.20	42.80
γ 33.0	33.26	26.92	33.59	32.99	33.06	34.28	41.72	40.70	41.28	40.37	41.07	41.88
γ 34.0	31.98	25.33	32.34	31.73	31.96	33.30	40.68	39.62	40.32	39.23	40.05	40.98
γ 35.0	30.66	23.72	31.13	30.51	30.66	32.23	39.66	38.49	39.19	38.05	38.96	40.10
γ 36.0	29.33	22.26	29.78	29.18	29.53	31.22	38.58	37.46	38.12	36.84	37.79	39.10
γ 37.0	28.02	20.66	28.36	27.91	28.18	30.20	37.46	36.20	37.00	35.48	36.65	38.14
γ 38.0	26.75	18.84	27.02	26.62	26.86	29.10	36.40	35.04	35.83	34.24	35.49	37.11
γ 39.0	25.43	16.73	25.65	25.23	25.58	27.97	35.20	33.76	34.63	32.85	34.20	36.04
γ 40.0	24.11	14.98	24.22	24.03	24.34	26.88	34.01	32.51	33.36	31.49	32.91	35.03
γ 41.0	22.83	13.74	22.68	22.68	23.05	25.79	32.81	31.26	32.04	30.14	31.69	33.96
γ 42.0	21.58	13.31	21.26	21.51	21.80	24.60	31.58	29.92	30.71	28.86	30.40	32.87
γ 43.0	20.34	13.25	19.86	20.25	20.61	23.55	30.36	28.66	29.48	27.46	29.08	31.78
γ 44.0	19.13	13.65	18.42	18.97	19.35	22.35	29.11	27.41	28.04	26.12	27.82	30.68
γ 45.0	17.92	13.97	16.93	17.76	18.13	21.21	27.87	26.00	26.55	24.84	26.47	29.65
γ 46.0	16.63	14.22	15.49	16.57	16.80	20.06	26.57	24.74	25.13	23.46	25.18	28.48

