

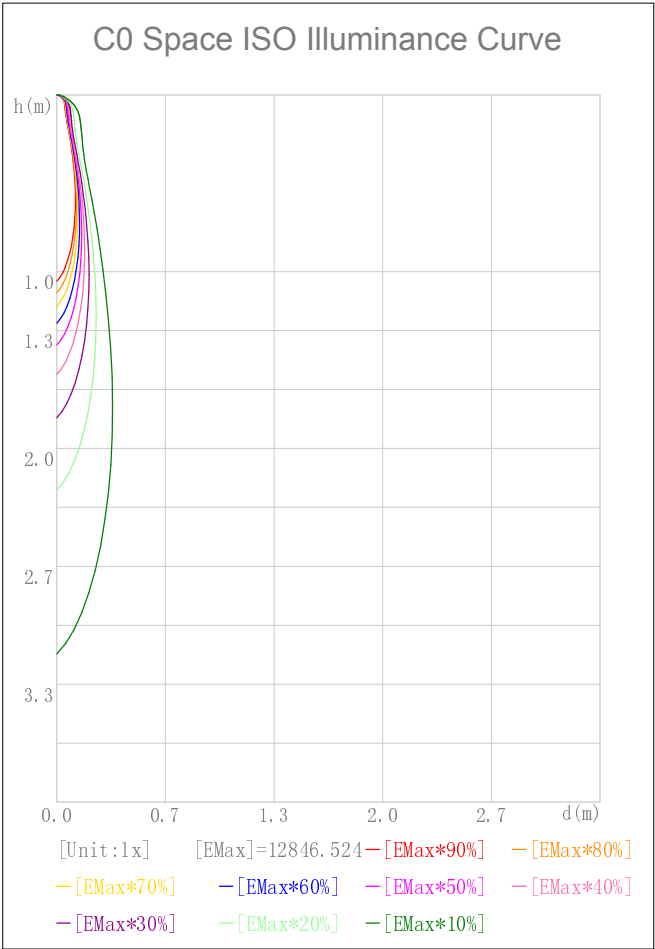
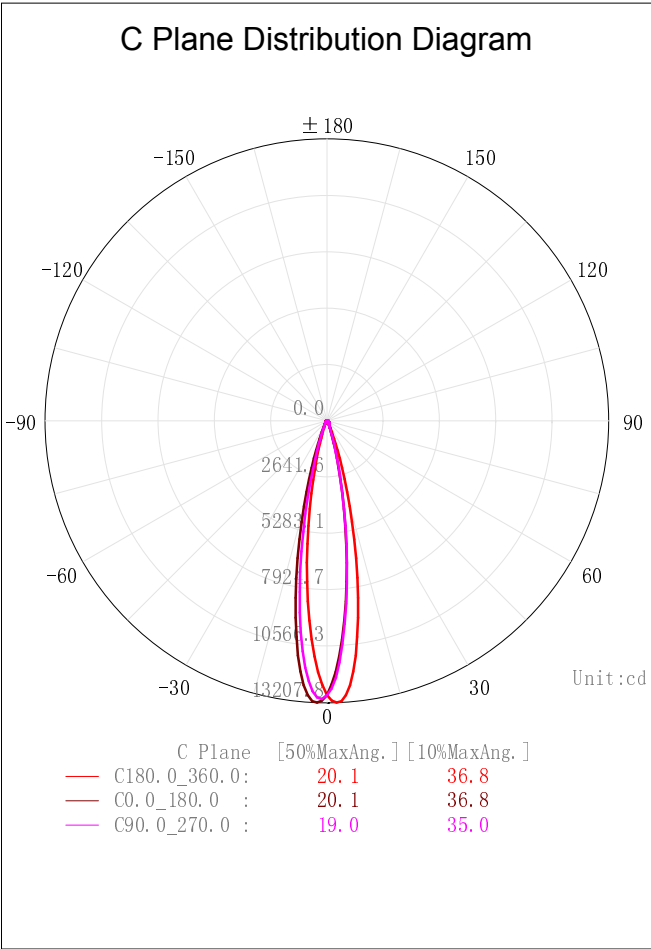
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2024/06/04
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): 4000 Ra: 81.5
Lum. Size(W*L*H):0.045m*1.000m*0.044m		Lum. Area(m2):0.089	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp.(°C): 25	Humidity(%):

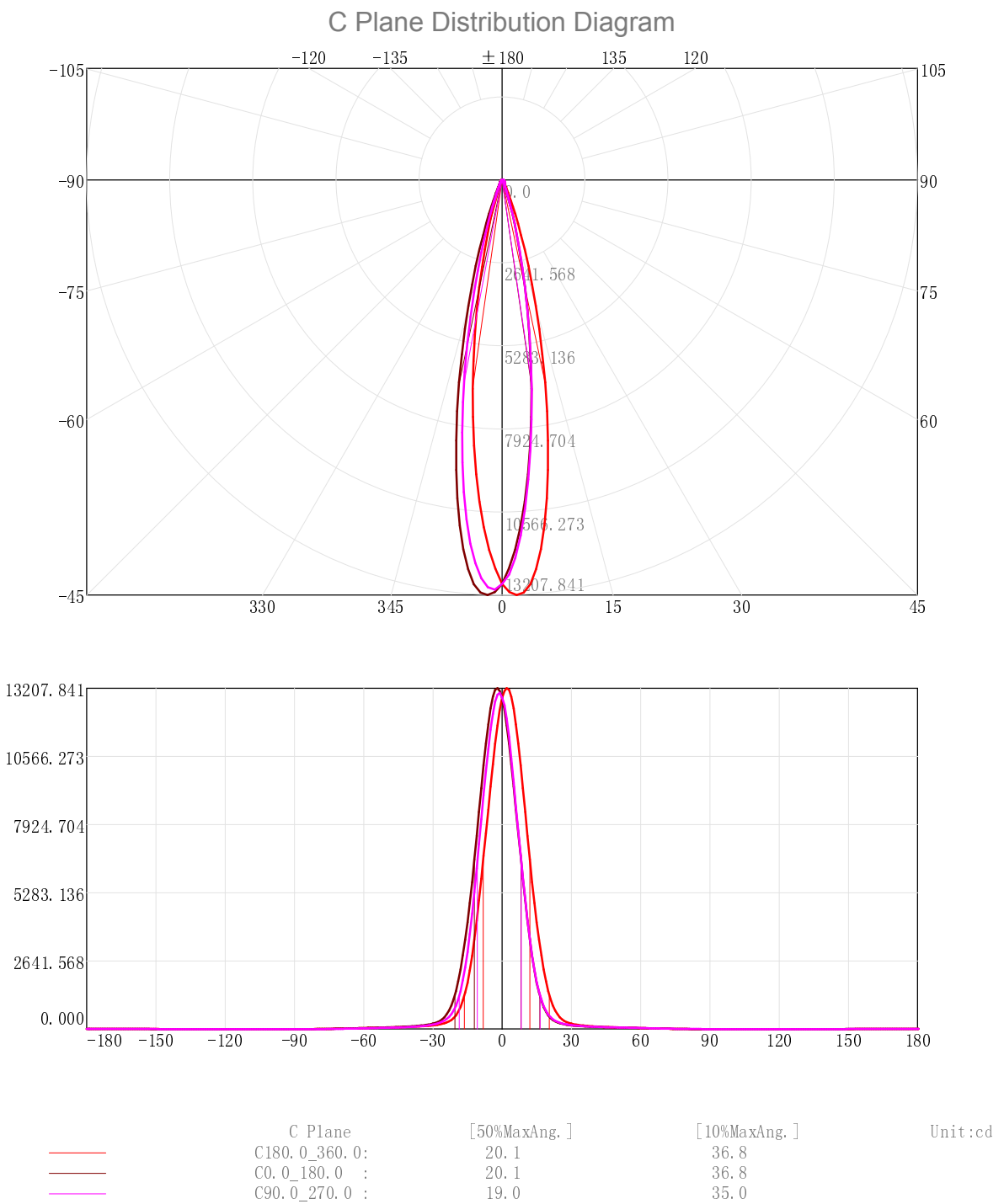
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter		
Rated Flux(lm): 2053.370	Luminary Flux(lm): 2053.366	Field Angle(10%Imax): 36.8(°)	
Rated Power(W): 23.68	Luminary Efficiency: 100.00%	Down Lumens&Percent: 2043.470lm 99.52%	
Rated Voltage(V): 24	Luminary EER(lm/W): 88.089	Up Lumens&Percent: 9.896lm 0.48%	
Tested Power(W): 23.310	Max. Candela(cd): 13207.841	S/MH: C0_a180=0.350 C90_270=0.327	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=2.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):23.7, 0.984	Beam Angle(50%Imax): 20.1(°)	ErP Φ use(90°): 1920.164lm	
Lamp Size(W*L*H):0.045m*1.000m*0.044m	Left=-8.1°, Right=12.0°	IRF(%): 1476.845	



2D Plane Light Intensity Distribution Curve

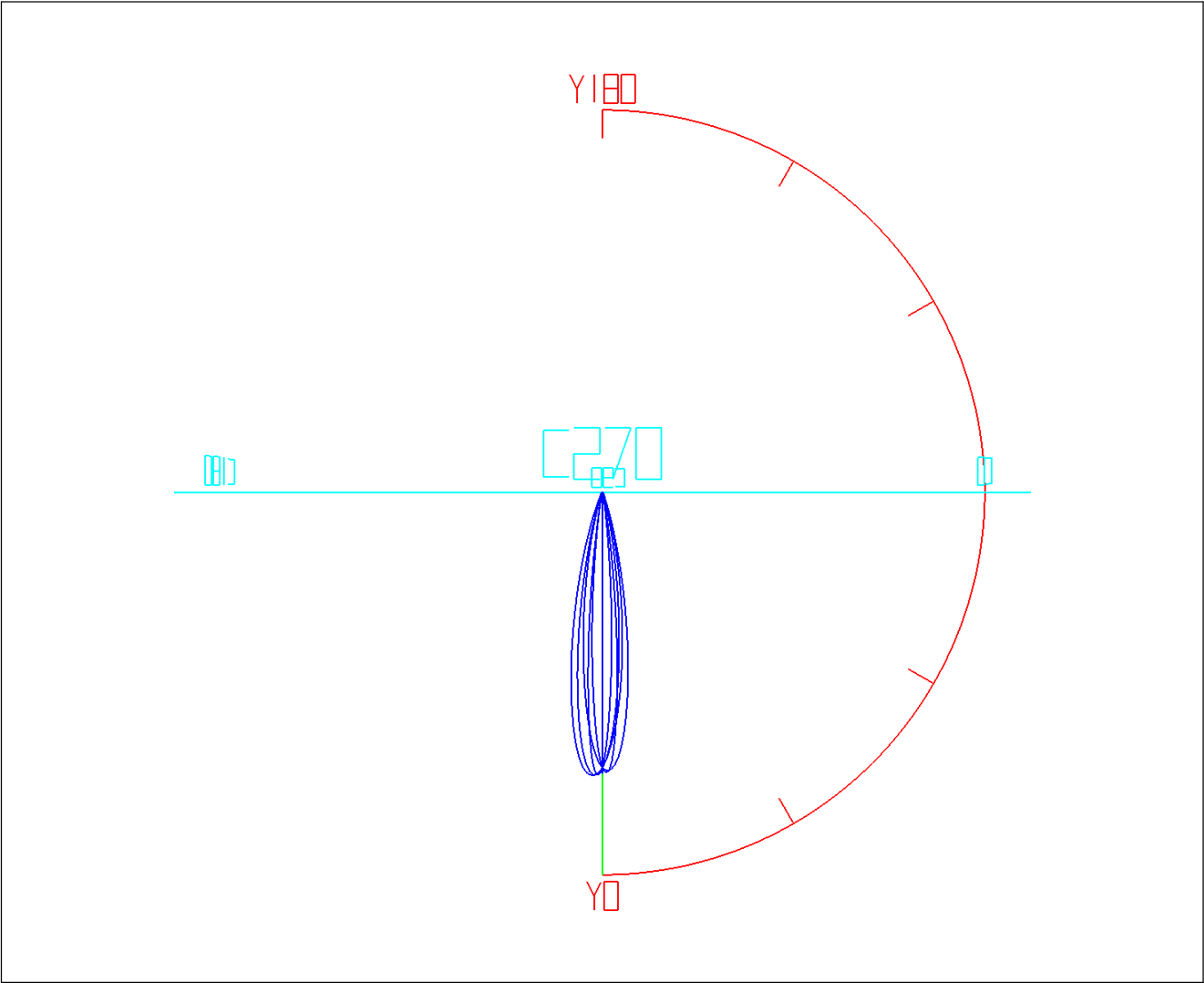
Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/06/04



3D Light Intensity Distribution Modal

Lum. Name:55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/06/04

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

Zonal Flux Tabulation

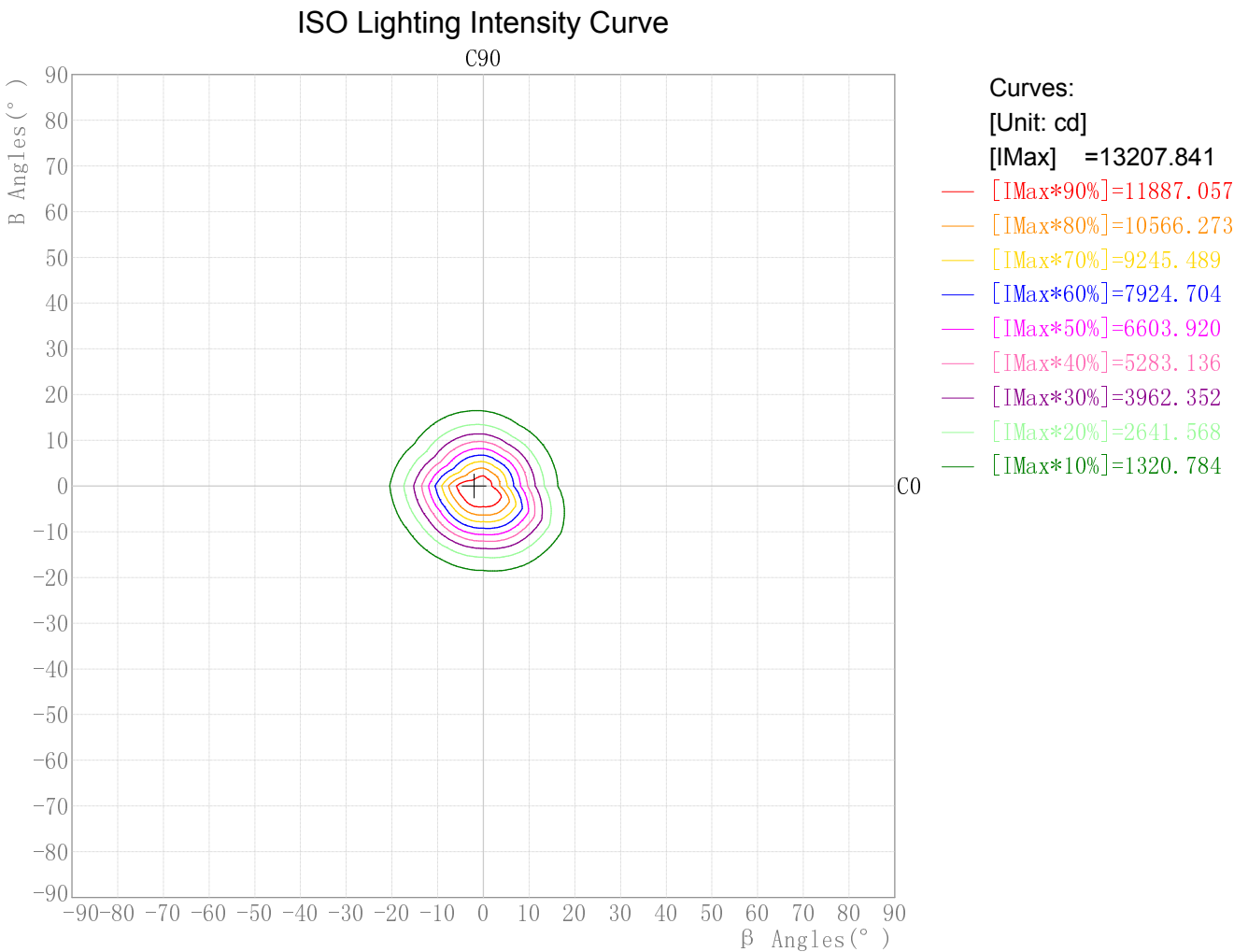
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	12.25	12.25	0.60	0.60	47.0-48.0	5.71	1938.39	0.28	94.40
1.0-2.0	36.22	48.47	1.76	2.36	48.0-49.0	5.61	1944.00	0.27	94.67
2.0-3.0	58.62	107.09	2.86	5.22	49.0-50.0	5.51	1949.51	0.27	94.94
3.0-4.0	78.56	185.65	3.83	9.04	50.0-51.0	5.41	1954.91	0.26	95.21
4.0-5.0	95.30	280.95	4.64	13.68	51.0-52.0	5.29	1960.21	0.26	95.46
5.0-6.0	108.40	389.35	5.28	18.96	52.0-53.0	5.17	1965.38	0.25	95.71
6.0-7.0	117.65	507.01	5.73	24.69	53.0-54.0	5.03	1970.41	0.25	95.96
7.0-8.0	123.06	630.07	5.99	30.68	54.0-55.0	4.89	1975.30	0.24	96.20
8.0-9.0	124.83	754.90	6.08	36.76	55.0-56.0	4.74	1980.03	0.23	96.43
9.0-10.0	123.24	878.14	6.00	42.77	56.0-57.0	4.57	1984.60	0.22	96.65
10.0-11.0	118.67	996.81	5.78	48.55	57.0-58.0	4.40	1989.01	0.21	96.87
11.0-12.0	111.64	1108.45	5.44	53.98	58.0-59.0	4.22	1993.23	0.21	97.07
12.0-13.0	102.66	1211.11	5.00	58.98	59.0-60.0	4.04	1997.27	0.20	97.27
13.0-14.0	92.43	1303.53	4.50	63.48	60.0-61.0	3.85	2001.12	0.19	97.46
14.0-15.0	81.62	1385.16	3.98	67.46	61.0-62.0	3.66	2004.78	0.18	97.63
15.0-16.0	70.81	1455.97	3.45	70.91	62.0-63.0	3.46	2008.24	0.17	97.80
16.0-17.0	60.42	1516.39	2.94	73.85	63.0-64.0	3.27	2011.50	0.16	97.96
17.0-18.0	50.85	1567.24	2.48	76.33	64.0-65.0	3.07	2014.57	0.15	98.11
18.0-19.0	42.41	1609.65	2.07	78.39	65.0-66.0	2.87	2017.44	0.14	98.25
19.0-20.0	35.21	1644.87	1.71	80.11	66.0-67.0	2.67	2020.11	0.13	98.38
20.0-21.0	29.30	1674.17	1.43	81.53	67.0-68.0	2.48	2022.59	0.12	98.50
21.0-22.0	24.54	1698.71	1.20	82.73	68.0-69.0	2.29	2024.88	0.11	98.61
22.0-23.0	20.77	1719.49	1.01	83.74	69.0-70.0	2.11	2026.99	0.10	98.72
23.0-24.0	17.81	1737.29	0.87	84.61	70.0-71.0	1.95	2028.94	0.09	98.81
24.0-25.0	15.50	1752.80	0.76	85.36	71.0-72.0	1.79	2030.73	0.09	98.90
25.0-26.0	13.74	1766.54	0.67	86.03	72.0-73.0	1.63	2032.35	0.08	98.98
26.0-27.0	12.41	1778.95	0.60	86.64	73.0-74.0	1.48	2033.83	0.07	99.05
27.0-28.0	11.38	1790.32	0.55	87.19	74.0-75.0	1.33	2035.16	0.06	99.11
28.0-29.0	10.57	1800.89	0.51	87.70	75.0-76.0	1.20	2036.36	0.06	99.17
29.0-30.0	9.92	1810.81	0.48	88.19	76.0-77.0	1.07	2037.43	0.05	99.22
30.0-31.0	9.38	1820.20	0.46	88.64	77.0-78.0	0.95	2038.37	0.05	99.27
31.0-32.0	8.92	1829.12	0.43	89.08	78.0-79.0	0.83	2039.20	0.04	99.31
32.0-33.0	8.54	1837.65	0.42	89.49	79.0-80.0	0.72	2039.92	0.03	99.34
33.0-34.0	8.20	1845.86	0.40	89.89	80.0-81.0	0.62	2040.54	0.03	99.38
34.0-35.0	7.91	1853.77	0.39	90.28	81.0-82.0	0.53	2041.07	0.03	99.40
35.0-36.0	7.64	1861.41	0.37	90.65	82.0-83.0	0.45	2041.51	0.02	99.42
36.0-37.0	7.39	1868.80	0.36	91.01	83.0-84.0	0.38	2041.89	0.02	99.44
37.0-38.0	7.15	1875.95	0.35	91.36	84.0-85.0	0.33	2042.22	0.02	99.46
38.0-39.0	6.94	1882.89	0.34	91.70	85.0-86.0	0.29	2042.51	0.01	99.47
39.0-40.0	6.74	1889.63	0.33	92.03	86.0-87.0	0.26	2042.78	0.01	99.48
40.0-41.0	6.56	1896.20	0.32	92.35	87.0-88.0	0.25	2043.02	0.01	99.50
41.0-42.0	6.40	1902.59	0.31	92.66	88.0-89.0	0.23	2043.25	0.01	99.51
42.0-43.0	6.25	1908.84	0.30	92.96	89.0-90.0	0.22	2043.47	0.01	99.52
43.0-44.0	6.12	1914.96	0.30	93.26	90.0-91.0	0.21	2043.68	0.01	99.53
44.0-45.0	6.01	1920.97	0.29	93.55	91.0-92.0	0.19	2043.87	0.01	99.54
45.0-46.0	5.90	1926.87	0.29	93.84	92.0-93.0	0.18	2044.05	0.01	99.55
46.0-47.0	5.81	1932.68	0.28	94.12	93.0-94.0	0.17	2044.22	0.01	99.55

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	0.16	2044.38	0.01	99.56	141.0-142.0	0.09	2045.99	0.00	99.64
95.0-96.0	0.15	2044.53	0.01	99.57	142.0-143.0	0.11	2046.11	0.01	99.65
96.0-97.0	0.14	2044.68	0.01	99.58	143.0-144.0	0.14	2046.25	0.01	99.65
97.0-98.0	0.14	2044.81	0.01	99.58	144.0-145.0	0.17	2046.41	0.01	99.66
98.0-99.0	0.13	2044.94	0.01	99.59	145.0-146.0	0.19	2046.61	0.01	99.67
99.0-100.0	0.12	2045.06	0.01	99.60	146.0-147.0	0.22	2046.82	0.01	99.68
100.0-101.0	0.11	2045.18	0.01	99.60	147.0-148.0	0.24	2047.06	0.01	99.69
101.0-102.0	0.10	2045.28	0.00	99.61	148.0-149.0	0.26	2047.32	0.01	99.71
102.0-103.0	0.09	2045.37	0.00	99.61	149.0-150.0	0.28	2047.60	0.01	99.72
103.0-104.0	0.08	2045.45	0.00	99.61	150.0-151.0	0.29	2047.89	0.01	99.73
104.0-105.0	0.07	2045.52	0.00	99.62	151.0-152.0	0.30	2048.19	0.01	99.75
105.0-106.0	0.05	2045.57	0.00	99.62	152.0-153.0	0.31	2048.50	0.02	99.76
106.0-107.0	0.04	2045.61	0.00	99.62	153.0-154.0	0.32	2048.82	0.02	99.78
107.0-108.0	0.03	2045.65	0.00	99.62	154.0-155.0	0.32	2049.14	0.02	99.79
108.0-109.0	0.03	2045.68	0.00	99.63	155.0-156.0	0.32	2049.45	0.02	99.81
109.0-110.0	0.02	2045.70	0.00	99.63	156.0-157.0	0.32	2049.77	0.02	99.82
110.0-111.0	0.02	2045.72	0.00	99.63	157.0-158.0	0.31	2050.08	0.02	99.84
111.0-112.0	0.01	2045.73	0.00	99.63	158.0-159.0	0.30	2050.38	0.01	99.85
112.0-113.0	0.01	2045.74	0.00	99.63	159.0-160.0	0.29	2050.68	0.01	99.87
113.0-114.0	0.01	2045.74	0.00	99.63	160.0-161.0	0.28	2050.96	0.01	99.88
114.0-115.0	0.01	2045.75	0.00	99.63	161.0-162.0	0.27	2051.23	0.01	99.90
115.0-116.0	0.01	2045.76	0.00	99.63	162.0-163.0	0.25	2051.48	0.01	99.91
116.0-117.0	0.01	2045.76	0.00	99.63	163.0-164.0	0.24	2051.72	0.01	99.92
117.0-118.0	0.00	2045.77	0.00	99.63	164.0-165.0	0.22	2051.94	0.01	99.93
118.0-119.0	0.00	2045.77	0.00	99.63	165.0-166.0	0.20	2052.14	0.01	99.94
119.0-120.0	0.00	2045.77	0.00	99.63	166.0-167.0	0.19	2052.33	0.01	99.95
120.0-121.0	0.00	2045.78	0.00	99.63	167.0-168.0	0.17	2052.50	0.01	99.96
121.0-122.0	0.00	2045.78	0.00	99.63	168.0-169.0	0.15	2052.65	0.01	99.96
122.0-123.0	0.00	2045.78	0.00	99.63	169.0-170.0	0.14	2052.78	0.01	99.97
123.0-124.0	0.00	2045.78	0.00	99.63	170.0-171.0	0.12	2052.90	0.01	99.98
124.0-125.0	0.00	2045.78	0.00	99.63	171.0-172.0	0.10	2053.01	0.01	99.98
125.0-126.0	0.00	2045.78	0.00	99.63	172.0-173.0	0.09	2053.09	0.00	99.99
126.0-127.0	0.00	2045.78	0.00	99.63	173.0-174.0	0.08	2053.17	0.00	99.99
127.0-128.0	0.00	2045.78	0.00	99.63	174.0-175.0	0.06	2053.23	0.00	99.99
128.0-129.0	0.00	2045.78	0.00	99.63	175.0-176.0	0.05	2053.28	0.00	100.00
129.0-130.0	0.00	2045.78	0.00	99.63	176.0-177.0	0.04	2053.32	0.00	100.00
130.0-131.0	0.00	2045.78	0.00	99.63	177.0-178.0	0.03	2053.34	0.00	100.00
131.0-132.0	0.00	2045.78	0.00	99.63	178.0-179.0	0.02	2053.36	0.00	100.00
132.0-133.0	0.00	2045.78	0.00	99.63	179.0-180.0	0.01	2053.37	0.00	100.00
133.0-134.0	0.00	2045.78	0.00	99.63					
134.0-135.0	0.00	2045.78	0.00	99.63					
135.0-136.0	0.00	2045.78	0.00	99.63					
136.0-137.0	0.00	2045.78	0.00	99.63					
137.0-138.0	0.01	2045.79	0.00	99.63					
138.0-139.0	0.02	2045.81	0.00	99.63					
139.0-140.0	0.04	2045.84	0.00	99.63					
140.0-141.0	0.06	2045.90	0.00	99.64					

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: 2024/06/04



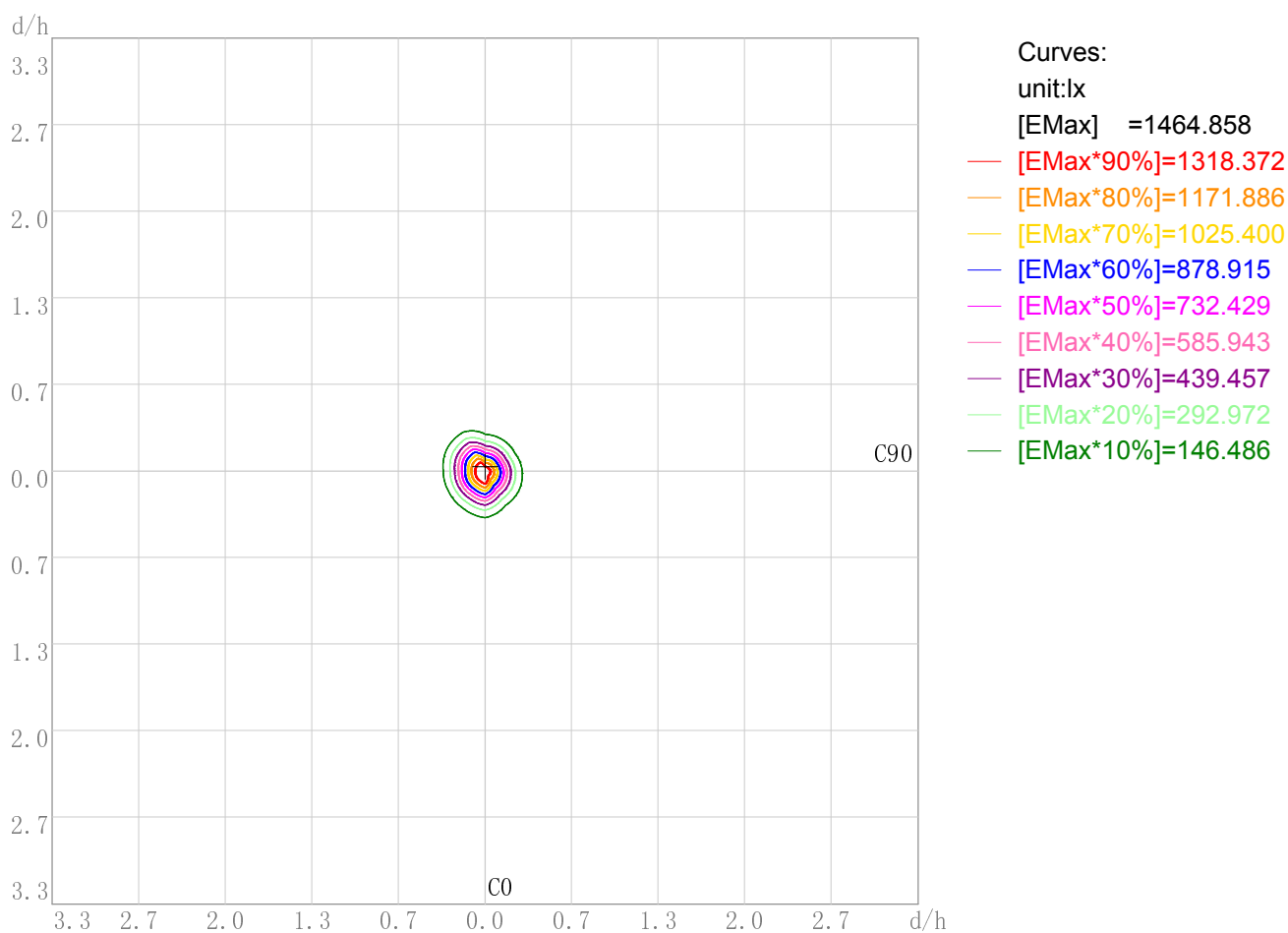
Maximum Light Intensity(cd): 13207.84  
Maximum Cand.@Angle: H=-2.0°,V=0.0°

**Photometric Filename:SL-T12-2400-A-23D-4000K-2米线.IES**

## Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/06/04

## Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

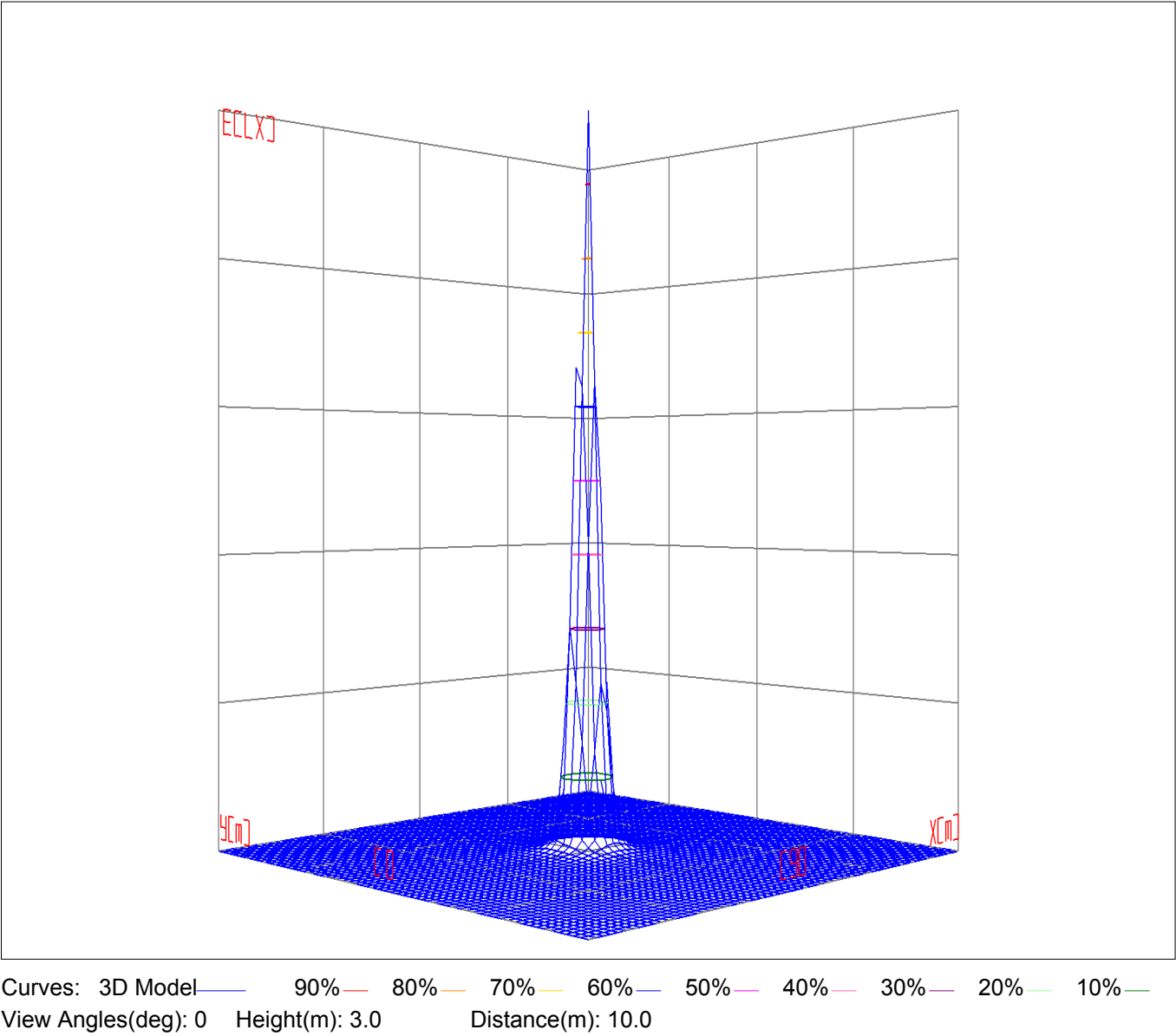
Working Plane Maximum Illuminance(lx): 1464.86

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

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: 2024/06/04

3D Plane Illuminance Modal

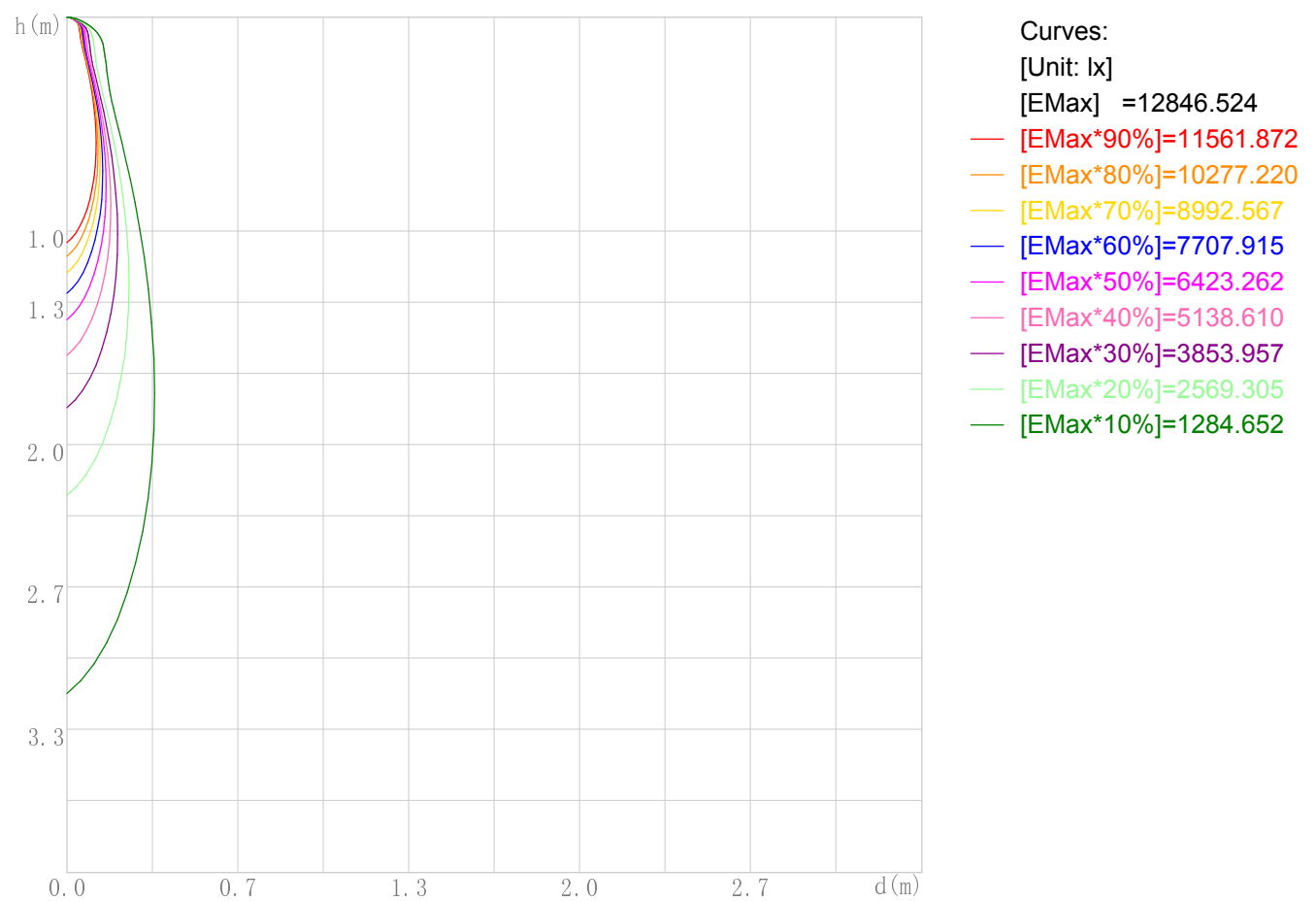




Space ISO Illuminance Diagram

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/06/04

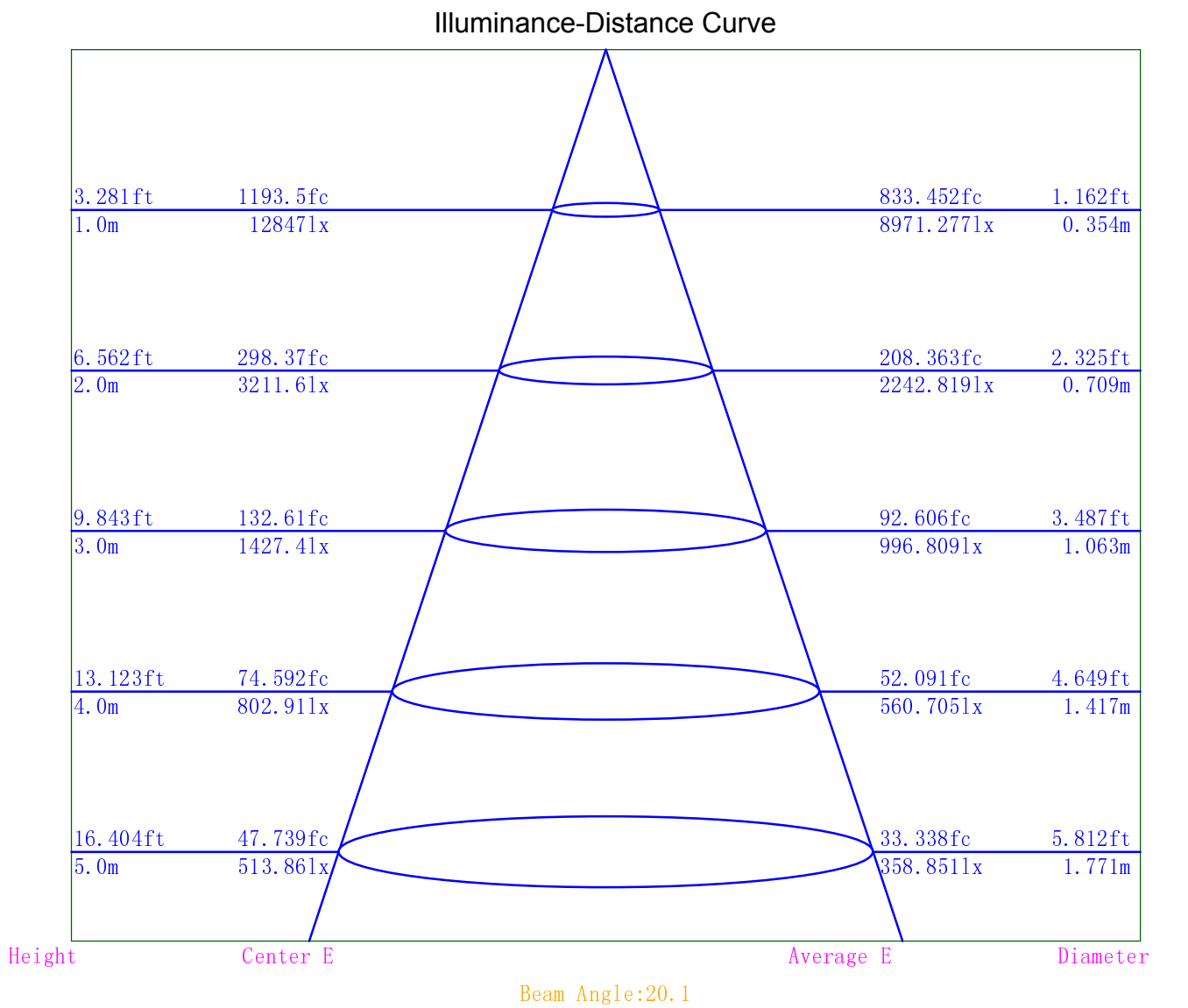
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:12846.52lx,0.0deg  
Plane Maximum Lighting Intensity and @Angle:12846.524cd,0deg

Illuminance-Distance Diagram

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/06/04



Indoor Luminance Limiting Curves

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/06/04

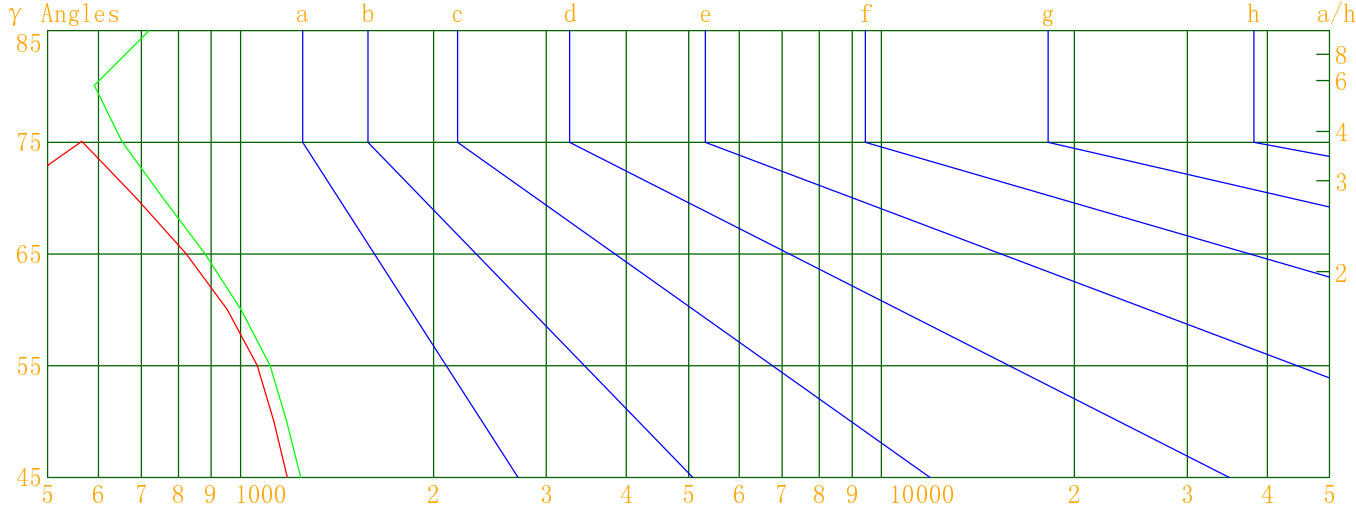
Glare Grade Table

GI	Quality	Using Illuminance							
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	1183	1127	1061	953	822	686	565	426	351
C90	1241	1180	1112	1002	879	755	653	591	720

Luminance Limiting Curve



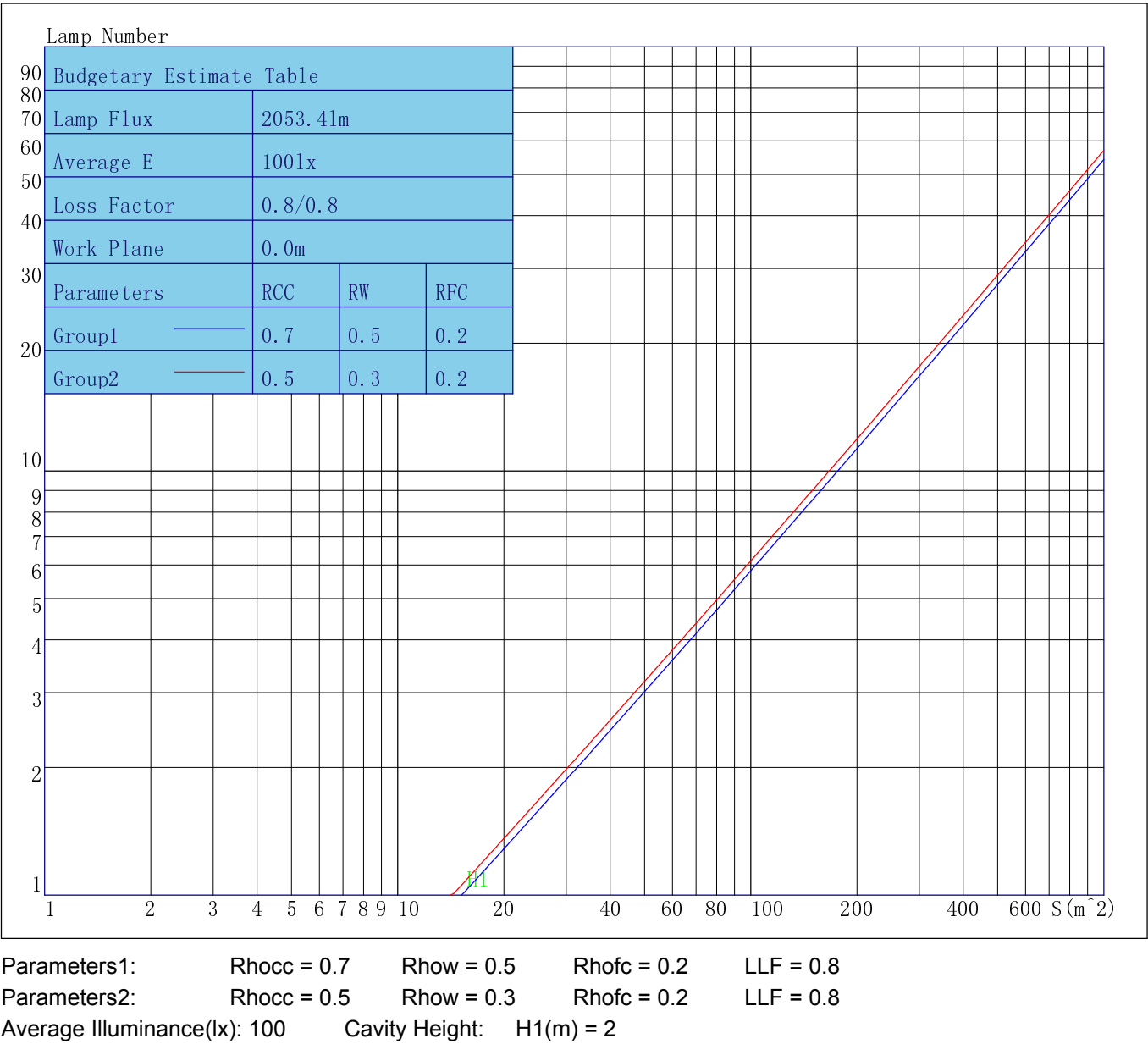
Luminous Size:Length(m)=1.000Width(m)=0.045Height(m)=0.044Area(m^2)=0.089000

Luminous Type:Without Luminous Side

Luminous Curves:C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name:55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/06/04



Indoor Coefficient of Utilization Table

Lum. Name:55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/06/04

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	111	106	106	106	106	102	102	102	100	
1	115	112	110	108	112	110	108	107	106	105	103	103	102	101	100	100	99	98	97	95	
2	110	107	103	101	108	105	102	100	102	99	97	97	99	97	95	95	96	95	93	92	
3	107	102	98	95	105	100	97	94	98	95	93	93	96	93	91	91	93	91	90	88	
4	103	98	94	90	102	97	93	90	95	91	89	89	93	90	88	88	91	89	87	86	
5	100	94	90	87	99	93	89	86	92	88	86	86	90	87	85	85	89	86	84	83	
6	97	91	87	84	96	90	86	83	89	85	83	83	88	85	82	82	86	84	82	81	
7	95	88	84	81	94	88	84	81	86	83	80	80	85	82	80	80	84	82	80	78	
8	92	86	82	79	91	85	81	79	84	81	78	78	83	80	78	78	83	80	78	77	
9	90	83	79	77	89	83	79	77	82	79	76	76	81	78	76	76	81	78	76	75	
10	88	81	77	75	87	81	77	75	80	77	74	74	80	77	74	74	79	76	74	73	

Unified Glare Rating Table

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/06/04

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	6.9	7.9	7.3	8.2	8.5	7.2	8.2	7.6	8.5	8.9
	Y=3H	7.8	8.7	8.2	9.0	9.4	8.2	9.1	8.6	9.4	9.8
	Y=4H	8.1	8.9	8.5	9.2	9.6	8.6	9.4	9.0	9.8	10.2
	Y=6H	8.2	8.9	8.6	9.3	9.7	8.8	9.6	9.3	10.0	10.4
	Y=8H	8.2	8.9	8.7	9.3	9.7	8.9	9.6	9.4	10.0	10.4
	Y=12H	8.2	8.9	8.7	9.3	9.7	9.0	9.7	9.4	10.1	10.5
X=4H	Y=2H	7.3	8.1	7.7	8.5	8.9	7.6	8.4	8.1	8.8	9.2
	Y=3H	8.4	9.0	8.8	9.4	9.9	8.8	9.5	9.3	9.9	10.3
	Y=4H	8.7	9.3	9.2	9.7	10.2	9.3	9.9	9.7	10.3	10.8
	Y=6H	8.9	9.4	9.4	9.9	10.4	9.7	10.2	10.1	10.6	11.1
	Y=8H	9.0	9.4	9.4	9.9	10.4	9.8	10.2	10.3	10.7	11.2
	Y=12H	9.0	9.4	9.5	9.9	10.4	9.9	10.3	10.4	10.8	11.3
X=8H	Y=4H	8.8	9.3	9.3	9.7	10.2	9.4	9.8	9.9	10.3	10.8
	Y=6H	9.1	9.4	9.6	10.0	10.5	9.9	10.2	10.4	10.8	11.3
	Y=8H	9.1	9.5	9.7	10.0	10.5	10.1	10.4	10.6	11.0	11.5
	Y=12H	9.2	9.5	9.7	10.0	10.6	10.4	10.6	10.9	11.1	11.7
X=12H	Y=4H	8.8	9.2	9.3	9.7	10.2	9.3	9.7	9.8	10.2	10.7
	Y=6H	9.1	9.4	9.6	9.9	10.5	9.9	10.2	10.4	10.7	11.2
	Y=8H	9.2	9.5	9.7	10.0	10.6	10.1	10.4	10.7	10.9	11.5
Variations with the objverver position at spacings											
S=1.0H		0.6/-0.7					0.5/-0.5				
S=1.5H		1.2/-1.4					0.8/-0.9				
S=2.0H		1.7/-2.0					1.2/-1.3				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		1.8					2.2				

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

**Photometric Filename:SL-T12-2400-A-23D-4000K-2米线.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	12846.5	12846.5	12846.5	12846.5	12846.5	12846.5	12846.5	12846.5	12846.5	12846.5	12846.5	12846.5
γ 1.0	12362.1	12451.7	12365.1	12553.5	12526.3	12592.4	13102.9	13094.8	13042.3	13030.4	12989.7	12946.6
γ 2.0	11771.5	11864.2	11731.9	12026.0	12038.4	12163.3	13207.8	13118.6	13056.8	12960.7	12936.1	12861.4
γ 3.0	11055.9	11128.5	10956.9	11322.7	11391.9	11589.4	13144.0	12932.0	12856.1	12686.3	12718.3	12623.5
γ 4.0	10261.3	10285.0	10067.1	10483.3	10617.5	10887.1	12884.2	12530.1	12437.3	12220.8	12325.4	12228.6
γ 5.0	9395.5	9364.1	9133.6	9554.6	9773.1	10089.8	12426.9	11951.4	11839.5	11602.4	11775.9	11697.5
γ 6.0	8501.0	8409.2	8165.7	8611.5	8880.3	9241.3	11809.0	11218.0	11081.7	10852.7	11105.8	11051.4
γ 7.0	7590.1	7453.3	7194.9	7669.3	7981.8	8364.9	11066.8	10351.5	10214.5	9999.6	10343.6	10304.6
γ 8.0	6709.9	6514.2	6246.6	6748.7	7090.7	7492.6	10224.2	9409.6	9291.9	9074.6	9502.5	9497.1
γ 9.0	5830.9	5610.8	5330.2	5878.0	6215.7	6632.1	9334.4	8457.4	8335.7	8129.9	8629.8	8649.0
γ 10.0	4992.5	4738.8	4460.2	5026.2	5384.0	5799.5	8414.5	7496.6	7373.2	7171.8	7733.7	7792.0
γ 11.0	4208.4	3932.9	3665.0	4230.9	4610.9	5008.1	7488.9	6567.0	6420.7	6228.5	6842.5	6930.6
γ 12.0	3490.0	3199.6	2964.7	3496.6	3900.6	4264.2	6576.6	5673.3	5489.1	5318.9	5962.9	6080.2
γ 13.0	2837.0	2572.5	2354.1	2847.6	3253.8	3570.1	5695.2	4822.6	4586.7	4470.3	5115.6	5261.6
γ 14.0	2274.8	2049.4	1855.2	2300.8	2670.2	2948.7	4882.5	4023.4	3773.7	3685.0	4315.2	4484.0
γ 15.0	1800.8	1612.4	1444.7	1824.7	2167.9	2403.6	4141.8	3308.5	3040.8	2989.6	3593.8	3755.6
γ 16.0	1415.1	1265.1	1132.7	1450.4	1741.7	1931.6	3461.8	2679.5	2414.1	2386.8	2944.2	3085.4
γ 17.0	1104.2	986.6	884.8	1136.6	1376.5	1533.1	2858.8	2142.0	1874.8	1886.6	2369.3	2498.2
γ 18.0	861.3	782.1	707.3	897.8	1079.7	1208.5	2317.9	1694.3	1463.3	1475.1	1873.5	1999.1
γ 19.0	673.7	624.4	576.4	709.5	843.1	954.4	1854.8	1325.8	1138.2	1151.8	1467.1	1573.5
γ 20.0	534.3	506.2	482.3	567.7	660.6	756.7	1471.9	1046.6	899.4	905.6	1139.4	1224.1
γ 21.0	431.5	419.9	407.8	465.6	524.4	602.0	1160.0	827.0	719.2	719.6	888.1	951.1
γ 22.0	356.7	353.9	352.5	385.4	423.0	479.8	914.4	663.0	594.0	579.9	691.8	744.2
γ 23.0	301.4	303.8	306.2	327.7	348.4	390.1	722.8	541.4	492.6	475.0	548.0	584.9
γ 24.0	259.4	265.1	271.3	282.8	295.7	325.7	571.5	445.1	417.3	394.7	439.5	463.4
γ 25.0	228.2	236.3	243.3	250.7	256.9	277.5	458.4	372.3	356.4	334.5	361.4	374.4
γ 26.0	205.1	213.5	221.3	224.1	226.3	242.8	376.5	315.5	308.0	287.8	304.8	310.6
γ 27.0	186.3	193.7	203.6	203.5	202.9	216.6	316.3	273.7	272.0	251.3	263.1	265.7
γ 28.0	171.2	178.0	188.3	186.2	184.7	196.7	272.8	241.0	240.8	221.8	230.0	232.6
γ 29.0	158.5	164.7	176.0	172.0	169.6	179.4	240.1	214.9	216.5	198.7	205.0	207.5
γ 30.0	147.7	152.6	166.2	159.5	157.0	164.9	214.2	194.7	196.5	179.8	184.8	188.7
γ 31.0	138.8	142.9	156.6	148.7	146.6	153.0	192.4	176.7	179.0	163.3	168.7	172.8
γ 32.0	130.3	134.5	148.0	139.4	137.2	142.9	175.6	160.7	165.4	149.6	155.6	159.3
γ 33.0	122.9	127.1	139.5	131.2	129.3	134.3	162.5	148.4	153.7	137.5	144.2	147.6
γ 34.0	116.8	120.3	132.5	123.7	122.1	126.3	150.7	138.2	143.7	127.8	134.8	137.5
γ 35.0	110.8	113.8	126.5	117.6	116.1	119.7	141.2	129.2	134.2	118.8	126.1	128.9
γ 36.0	105.0	108.0	119.9	111.8	110.2	113.1	131.9	120.3	125.7	111.1	118.6	122.2
γ 37.0	100.1	102.5	114.1	106.2	105.0	107.4	124.2	112.6	117.7	103.3	111.8	115.9
γ 38.0	95.6	97.5	109.3	101.3	100.1	101.9	116.8	105.3	110.4	96.8	105.6	109.9
γ 39.0	91.4	93.4	104.9	96.7	96.0	97.0	110.3	99.4	103.7	91.1	100.5	103.9
γ 40.0	88.1	89.8	101.3	92.5	91.9	92.5	104.3	93.2	98.0	85.8	95.0	99.0
γ 41.0	84.9	86.3	97.6	88.9	88.1	88.5	99.4	88.0	92.9	81.3	90.6	93.9
γ 42.0	81.8	83.3	94.0	85.7	84.9	84.9	94.3	82.9	88.6	76.9	86.2	89.5
γ 43.0	79.0	80.7	91.1	83.1	81.7	81.8	89.9	78.6	84.6	73.2	82.0	85.6
γ 44.0	76.6	78.4	88.5	80.8	79.1	79.0	86.2	74.7	80.7	69.9	78.7	82.2
γ 45.0	74.4	76.2	85.8	78.1	77.0	76.6	82.8	71.1	77.1	67.2	75.8	78.9
γ 46.0	72.4	74.0	83.4	76.0	74.9	74.4	79.3	68.1	74.0	64.4	72.9	76.4

Candela Tabulation - (Cont.)

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 47. 0	70. 4	71. 9	81. 1	73. 7	72. 7	72. 1	76. 3	65. 4	71. 2	62. 0	70. 6	74. 1
γ 48. 0	68. 4	70. 0	78. 5	71. 6	70. 6	69. 7	73. 5	62. 7	68. 5	59. 6	68. 0	71. 9
γ 49. 0	66. 4	68. 0	76. 3	69. 6	68. 8	67. 4	71. 2	60. 2	66. 0	57. 3	65. 4	69. 7
γ 50. 0	64. 5	65. 9	73. 8	67. 5	66. 9	65. 5	68. 9	57. 7	63. 7	54. 7	63. 1	67. 7
γ 51. 0	62. 5	63. 9	71. 3	65. 5	65. 2	63. 5	66. 6	55. 5	61. 2	52. 2	60. 7	65. 7
γ 52. 0	60. 5	61. 7	69. 0	63. 4	63. 2	61. 0	63. 7	53. 3	58. 9	50. 0	58. 4	63. 4
γ 53. 0	58. 5	59. 5	66. 7	61. 2	61. 2	58. 7	60. 8	51. 1	56. 1	47. 9	56. 3	61. 3
γ 54. 0	56. 2	57. 2	64. 0	59. 0	58. 9	56. 7	58. 0	48. 9	53. 1	45. 7	53. 9	59. 2
γ 55. 0	54. 2	54. 9	61. 8	56. 7	56. 8	54. 3	55. 2	46. 7	50. 6	43. 5	51. 5	57. 0
γ 56. 0	51. 8	52. 4	59. 1	54. 5	54. 7	52. 0	52. 4	44. 5	48. 1	41. 3	48. 9	54. 7
γ 57. 0	49. 5	50. 1	56. 7	51. 8	52. 5	49. 5	49. 8	42. 5	46. 0	38. 5	46. 1	52. 5
γ 58. 0	47. 1	47. 6	54. 2	49. 6	50. 3	47. 0	47. 2	40. 3	43. 7	36. 0	43. 3	50. 2
γ 59. 0	44. 7	45. 2	51. 6	47. 1	47. 9	44. 6	44. 5	38. 2	41. 5	33. 8	40. 7	48. 0
γ 60. 0	42. 4	42. 8	49. 1	44. 6	45. 6	42. 1	42. 1	35. 8	39. 4	31. 3	37. 8	45. 4
γ 61. 0	40. 0	40. 3	46. 5	42. 2	43. 2	39. 8	39. 6	33. 6	37. 1	28. 8	35. 3	43. 2
γ 62. 0	37. 8	37. 9	44. 0	39. 9	40. 8	37. 4	37. 1	31. 1	34. 6	26. 8	32. 7	40. 8
γ 63. 0	35. 4	35. 5	41. 5	37. 6	38. 6	34. 9	34. 7	29. 0	32. 4	24. 9	30. 3	38. 3
γ 64. 0	33. 1	33. 1	39. 0	35. 4	36. 2	32. 4	32. 4	27. 0	30. 2	23. 2	27. 9	35. 8
γ 65. 0	30. 9	31. 0	36. 5	33. 1	33. 9	30. 0	30. 1	24. 9	27. 9	21. 3	25. 4	33. 4
γ 66. 0	28. 8	29. 0	34. 1	31. 0	31. 8	27. 7	27. 8	22. 8	25. 4	19. 6	22. 8	31. 0
γ 67. 0	26. 7	26. 8	31. 7	28. 7	29. 6	25. 4	25. 3	20. 8	23. 4	17. 7	20. 7	28. 6
γ 68. 0	24. 6	24. 8	29. 5	26. 8	27. 5	23. 3	23. 3	19. 1	21. 7	15. 8	18. 7	26. 2
γ 69. 0	22. 6	22. 9	27. 5	24. 9	25. 4	21. 2	21. 4	17. 5	20. 0	13. 9	16. 7	23. 9
γ 70. 0	20. 9	21. 1	25. 6	23. 0	23. 5	19. 2	19. 5	15. 9	18. 3	12. 5	14. 7	21. 9
γ 71. 0	19. 1	19. 3	23. 9	21. 4	21. 8	17. 2	17. 8	14. 5	16. 9	11. 2	12. 9	19. 9
γ 72. 0	17. 4	17. 9	22. 3	19. 7	20. 0	15. 2	16. 2	13. 0	15. 4	10. 0	11. 3	17. 9
γ 73. 0	15. 8	16. 5	20. 7	18. 0	18. 2	13. 5	14. 6	11. 7	13. 7	8. 6	9. 9	16. 0
γ 74. 0	14. 4	15. 1	19. 2	16. 5	16. 7	11. 7	13. 2	10. 5	12. 1	7. 6	8. 5	14. 3
γ 75. 0	13. 0	13. 9	17. 9	15. 0	15. 1	10. 1	11. 6	9. 2	10. 6	6. 7	7. 2	12. 6
γ 76. 0	11. 6	12. 7	16. 8	13. 7	13. 7	8. 6	10. 4	8. 0	9. 5	5. 8	6. 1	10. 8
γ 77. 0	10. 3	11. 5	15. 5	12. 5	12. 2	7. 1	9. 1	7. 0	8. 5	5. 1	5. 0	9. 3
γ 78. 0	9. 0	10. 4	14. 4	11. 3	10. 9	5. 7	8. 0	5. 9	7. 5	4. 3	4. 0	7. 8
γ 79. 0	7. 7	9. 3	13. 4	10. 3	9. 5	4. 3	6. 9	4. 8	6. 6	3. 6	3. 2	6. 4
γ 80. 0	6. 6	8. 4	12. 3	9. 1	8. 2	3. 1	5. 8	3. 8	5. 9	3. 2	2. 6	5. 0
γ 81. 0	5. 6	7. 5	11. 5	8. 1	7. 0	1. 9	4. 8	2. 9	5. 1	2. 8	2. 1	3. 7
γ 82. 0	4. 6	6. 7	10. 6	7. 4	6. 0	0. 9	4. 0	2. 2	4. 6	2. 4	1. 6	2. 5
γ 83. 0	3. 8	6. 1	9. 9	6. 5	5. 0	0. 2	3. 2	1. 6	4. 1	2. 1	1. 1	1. 5
γ 84. 0	3. 2	5. 6	9. 3	6. 0	4. 2	0. 0	2. 4	1. 2	3. 8	1. 9	0. 8	0. 6
γ 85. 0	2. 7	5. 3	8. 8	5. 6	3. 5	0. 0	1. 4	1. 0	3. 4	1. 6	0. 3	0. 0
γ 86. 0	2. 3	5. 1	8. 4	5. 3	3. 0	0. 0	0. 6	1. 0	2. 9	1. 4	0. 0	0. 0
γ 87. 0	2. 0	4. 9	8. 2	5. 1	2. 7	0. 0	0. 0	0. 7	2. 8	1. 4	0. 0	0. 0
γ 88. 0	1. 5	4. 7	8. 0	4. 9	2. 3	0. 0	0. 0	0. 6	2. 5	1. 2	0. 0	0. 0
γ 89. 0	1. 2	4. 6	7. 8	4. 8	1. 9	0. 0	0. 0	0. 6	2. 4	1. 2	0. 0	0. 0
γ 90. 0	0. 9	4. 4	7. 5	4. 8	1. 8	0. 0	0. 0	0. 5	2. 3	1. 1	0. 0	0. 0
γ 91. 0	0. 5	4. 2	7. 3	4. 5	1. 5	0. 0	0. 0	0. 5	2. 2	1. 0	0. 0	0. 0
γ 92. 0	0. 0	4. 0	7. 2	4. 4	1. 2	0. 0	0. 0	0. 4	2. 1	1. 0	0. 0	0. 0
γ 93. 0	0. 0	3. 8	7. 0	4. 2	0. 9	0. 0	0. 0	0. 3	2. 1	1. 0	0. 0	0. 0



Candela Tabulation - (Cont.)

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 94.0	0.0	3.5	6.9	4.0	0.7	0.0	0.0	0.4	2.1	0.8	0.0	0.0
γ 95.0	0.0	3.4	6.7	3.8	0.2	0.0	0.0	0.3	1.9	0.8	0.0	0.0
γ 96.0	0.0	3.1	6.6	3.6	0.0	0.0	0.0	0.3	2.0	0.7	0.0	0.0
γ 97.0	0.0	3.0	6.4	3.3	0.0	0.0	0.0	0.2	1.9	0.7	0.0	0.0
γ 98.0	0.0	2.9	6.3	3.0	0.0	0.0	0.0	0.2	1.9	0.6	0.0	0.0
γ 99.0	0.0	2.7	6.2	2.5	0.0	0.0	0.0	0.2	1.8	0.6	0.0	0.0
γ 100.0	0.0	2.5	6.1	2.2	0.0	0.0	0.0	0.1	1.8	0.5	0.0	0.0
γ 101.0	0.0	2.3	5.8	1.7	0.0	0.0	0.0	0.0	1.8	0.5	0.0	0.0
γ 102.0	0.0	2.1	5.4	1.3	0.0	0.0	0.0	0.0	1.7	0.4	0.0	0.0
γ 103.0	0.0	1.8	5.0	1.0	0.0	0.0	0.0	0.0	1.7	0.4	0.0	0.0
γ 104.0	0.0	1.3	4.3	0.7	0.0	0.0	0.0	0.0	1.6	0.3	0.0	0.0
γ 105.0	0.0	0.8	3.8	0.3	0.0	0.0	0.0	0.0	1.6	0.2	0.0	0.0
γ 106.0	0.0	0.3	3.3	0.0	0.0	0.0	0.0	0.0	1.5	0.2	0.0	0.0
γ 107.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	1.4	0.1	0.0	0.0
γ 108.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	1.2	0.1	0.0	0.0
γ 109.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
γ 110.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
γ 111.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
γ 112.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
γ 113.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
γ 114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
γ 115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
γ 116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
γ 117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
γ 118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
γ 119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
γ 120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
γ 121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
γ 122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
γ 123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
γ 124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 133.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
γ 137.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
γ 138.0	0.7	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.0	0.0
γ 139.0	1.1	0.7	0.5	0.2	0.0	0.2	0.0	0.2	0.7	0.6	0.0	0.0
γ 140.0	1.6	1.1	1.0	0.6	0.5	0.5	0.0	0.5	1.0	0.9	0.3	0.0

Candela Tabulation - (Cont.)

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 141.0	1.9	1.6	1.5	1.1	0.9	0.8	0.2	0.9	1.3	1.3	0.7	0.4
γ 142.0	2.5	2.2	2.0	1.5	1.4	1.4	0.5	1.2	1.6	1.7	1.2	0.8
γ 143.0	3.0	2.7	2.4	2.0	1.8	1.8	0.9	1.7	2.1	2.2	1.5	1.2
γ 144.0	3.4	3.1	2.9	2.3	2.2	2.2	1.3	2.1	2.5	2.6	2.0	1.6
γ 145.0	3.9	3.7	3.6	2.9	2.7	2.7	1.8	2.6	3.0	3.1	2.6	2.0
γ 146.0	4.3	4.3	4.0	3.4	3.1	3.1	2.2	3.1	3.6	3.5	3.0	2.5
γ 147.0	4.8	4.7	4.5	3.9	3.5	3.5	2.7	3.5	4.0	4.2	3.4	2.9
γ 148.0	5.2	5.2	5.0	4.4	4.0	4.0	3.2	4.0	4.6	4.6	3.9	3.4
γ 149.0	5.6	5.7	5.5	4.9	4.4	4.2	3.6	4.5	5.2	5.1	4.4	3.8
γ 150.0	6.0	6.1	5.9	5.3	4.9	4.7	4.0	5.0	5.6	5.6	4.9	4.2
γ 151.0	6.4	6.5	6.3	5.8	5.3	5.0	4.6	5.5	6.0	6.0	5.3	4.5
γ 152.0	6.6	6.9	6.7	6.2	5.6	5.4	5.1	5.9	6.5	6.4	5.6	4.9
γ 153.0	6.9	7.2	7.0	6.5	5.9	5.7	5.4	6.3	6.8	6.7	6.1	5.2
γ 154.0	7.1	7.5	7.2	6.8	6.2	6.0	5.9	6.7	7.2	7.2	6.3	5.5
γ 155.0	7.3	7.7	7.5	7.1	6.5	6.2	6.2	7.1	7.5	7.4	6.6	5.8
γ 156.0	7.5	7.9	7.7	7.3	6.7	6.4	6.6	7.3	7.8	7.6	6.9	5.9
γ 157.0	7.6	8.0	7.9	7.5	6.9	6.5	6.8	7.5	7.9	7.9	7.1	6.2
γ 158.0	7.7	8.2	8.0	7.6	7.1	6.7	7.0	7.8	8.1	8.0	7.3	6.3
γ 159.0	7.7	8.2	8.1	7.7	7.1	6.8	7.1	7.9	8.3	8.1	7.4	6.4
γ 160.0	7.7	8.3	8.2	7.8	7.2	6.9	7.3	7.9	8.4	8.2	7.5	6.4
γ 161.0	7.6	8.3	8.2	7.9	7.2	6.9	7.4	8.0	8.4	8.2	7.5	6.5
γ 162.0	7.5	8.2	8.2	7.8	7.2	7.0	7.5	8.1	8.4	8.2	7.6	6.6
γ 163.0	7.4	8.2	8.1	7.8	7.1	6.9	7.5	8.1	8.4	8.2	7.6	6.4
γ 164.0	7.3	8.0	8.1	7.8	7.1	6.9	7.5	8.1	8.4	8.2	7.5	6.4
γ 165.0	7.2	7.9	8.0	7.6	6.9	6.7	7.5	8.0	8.3	8.0	7.4	6.3
γ 166.0	7.1	7.8	7.7	7.5	6.8	6.6	7.4	7.9	8.4	8.0	7.3	6.2
γ 167.0	6.9	7.5	7.6	7.3	6.6	6.4	7.2	7.8	8.1	7.7	7.2	6.0
γ 168.0	6.6	7.4	7.4	7.1	6.5	6.3	7.1	7.5	8.0	7.6	6.9	5.9
γ 169.0	6.4	7.2	7.2	6.9	6.3	6.1	6.9	7.5	7.8	7.4	6.8	5.6
γ 170.0	6.3	7.0	7.0	6.7	6.0	6.0	6.7	7.2	7.7	7.2	6.7	5.6
γ 171.0	6.1	6.7	6.7	6.4	5.9	5.8	6.6	7.0	7.5	7.0	6.5	5.5
γ 172.0	6.0	6.5	6.5	6.3	5.8	5.7	6.4	6.8	7.3	6.9	6.3	5.3
γ 173.0	5.8	6.3	6.4	6.1	5.6	5.6	6.2	6.6	7.1	6.7	6.1	5.3
γ 174.0	5.8	6.0	6.2	5.9	5.4	5.5	6.0	6.4	6.8	6.4	5.9	5.0
γ 175.0	5.7	5.9	6.0	5.8	5.3	5.4	5.9	6.3	6.6	6.2	5.8	5.1
γ 176.0	5.6	5.8	5.8	5.6	5.3	5.3	5.7	6.1	6.4	6.1	5.6	4.9
γ 177.0	5.5	5.6	5.7	5.5	5.2	5.2	5.7	5.9	6.2	5.9	5.5	5.0
γ 178.0	5.4	5.6	5.7	5.5	5.2	5.1	5.6	5.8	6.2	5.8	5.4	5.0
γ 179.0	5.4	5.7	5.8	5.5	5.3	5.1	5.6	5.8	6.0	5.7	5.4	5.1
γ 180.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5