

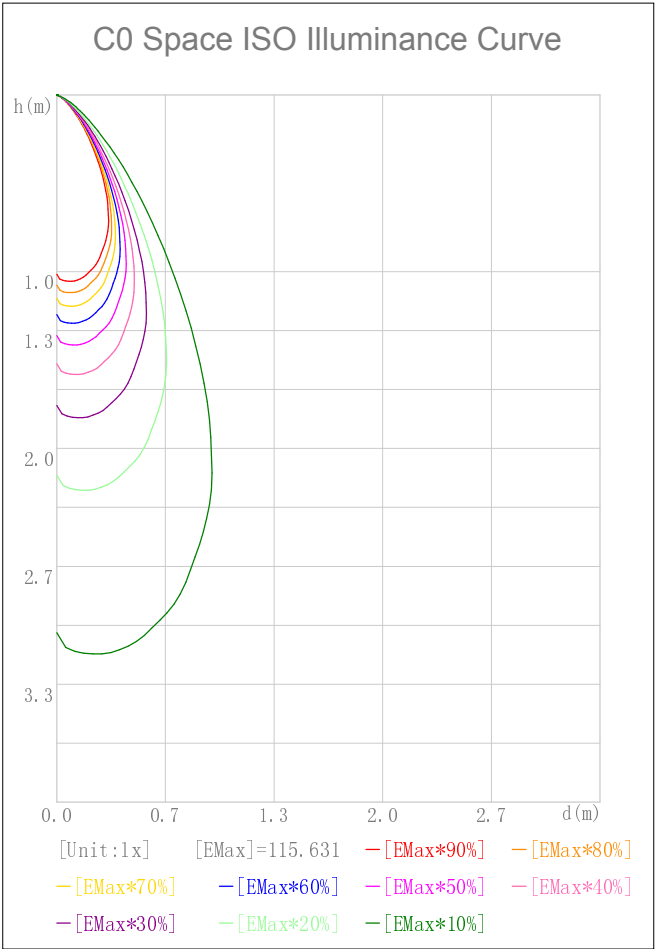
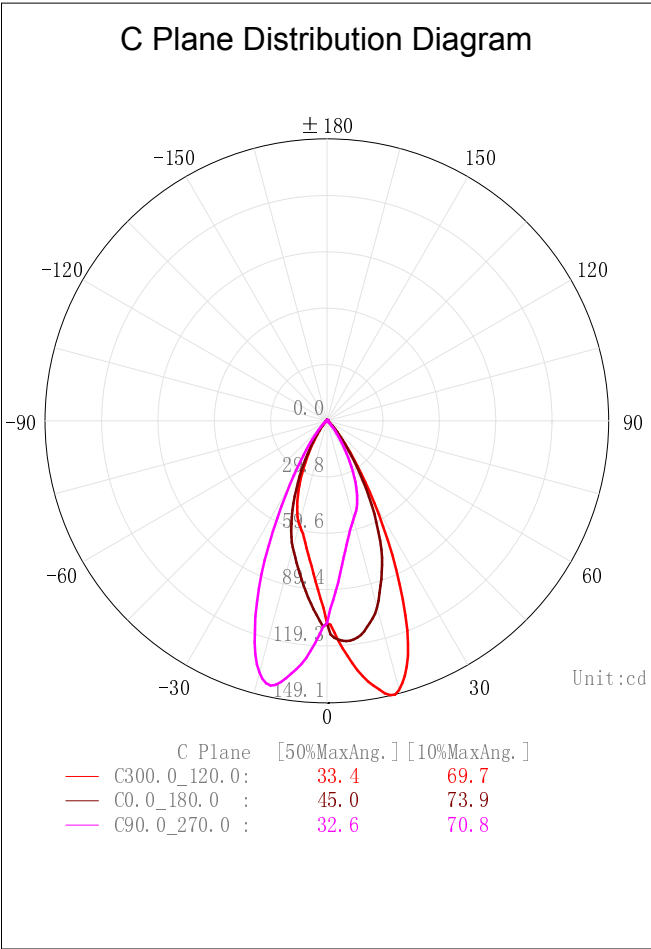
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2019/06/18
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): 3000 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(%):

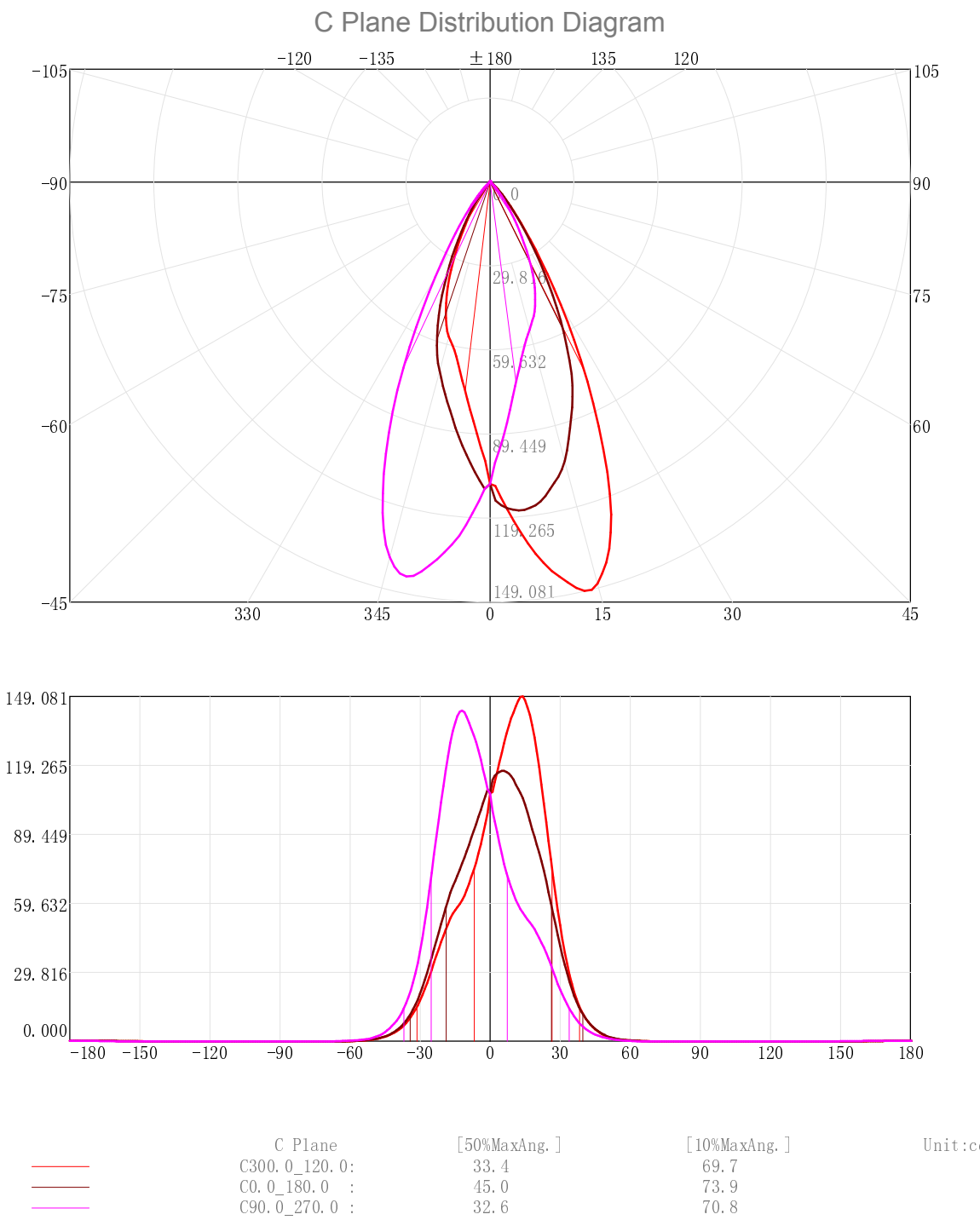
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 73.480	Luminary Flux(lm): 73.476	Field Angle(10%Imax): 69.7(°)
Rated Power(W):	Luminary Efficiency: 99.99%	Down Lumens&Percent: 73.370lm 99.86%
Rated Voltage(V): 24	Luminary EER(lm/W): 48.371	Up Lumens&Percent: 0.106lm 0.14%
Tested Power(W): 1.519	Max. Candela(cd): 149.081	S/MH: C0_a180=0.761 C90_270=0.694
Lamps' Inside: 1	Max Cand@Ang. (°): C=300.0 γ=14.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):24.0, 0.063	Beam Angle(50%Imax): 33.4(°)	ErP Φ use(90°): 69.107lm
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-6.8°, Right=26.5°	IRF(%): 329.963



2D Plane Light Intensity Distribution Curve

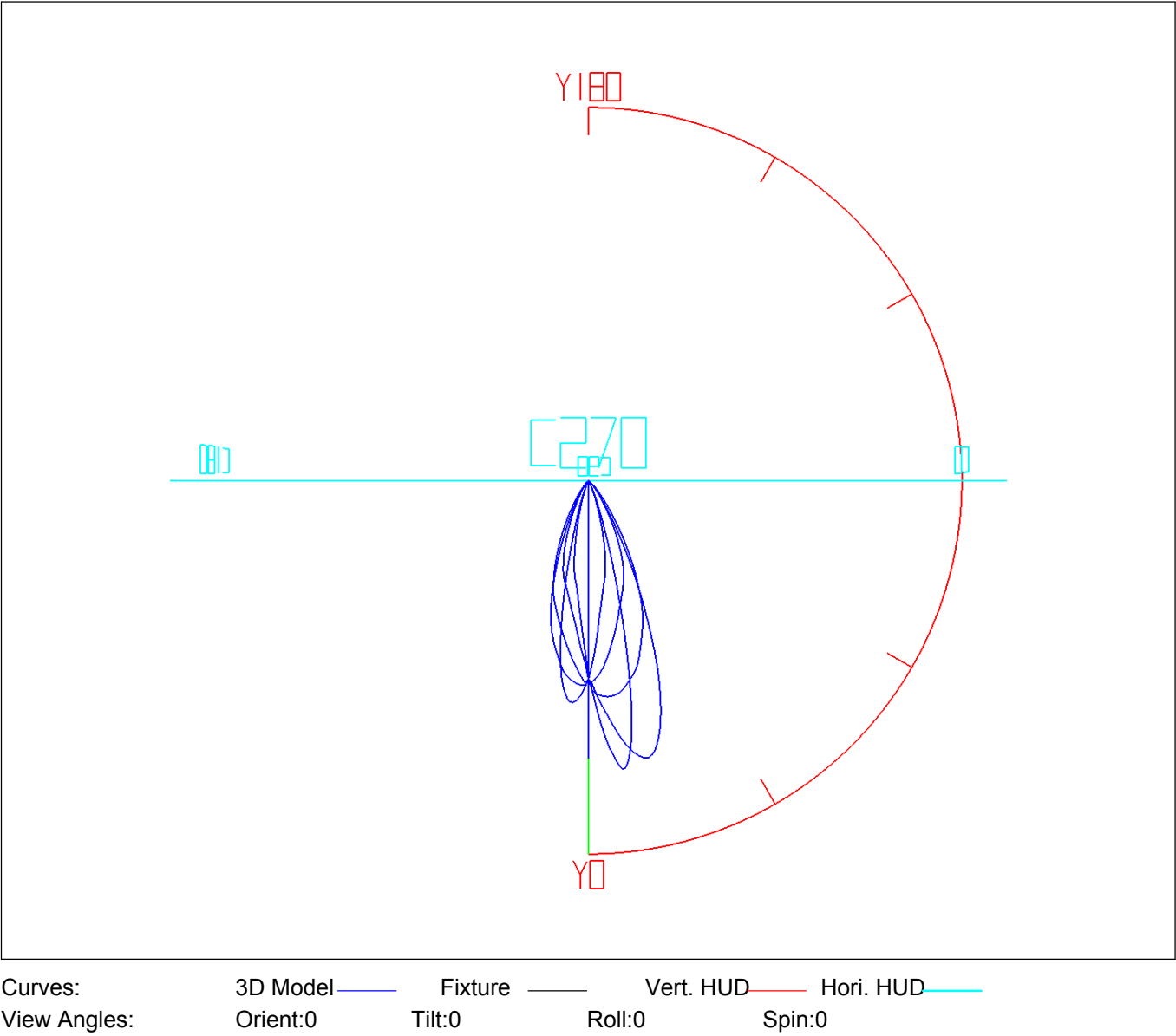
Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/06/18



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: 2019/06/18

3D Light Intensity Distribution Modal



Zonal Flux Tabulation

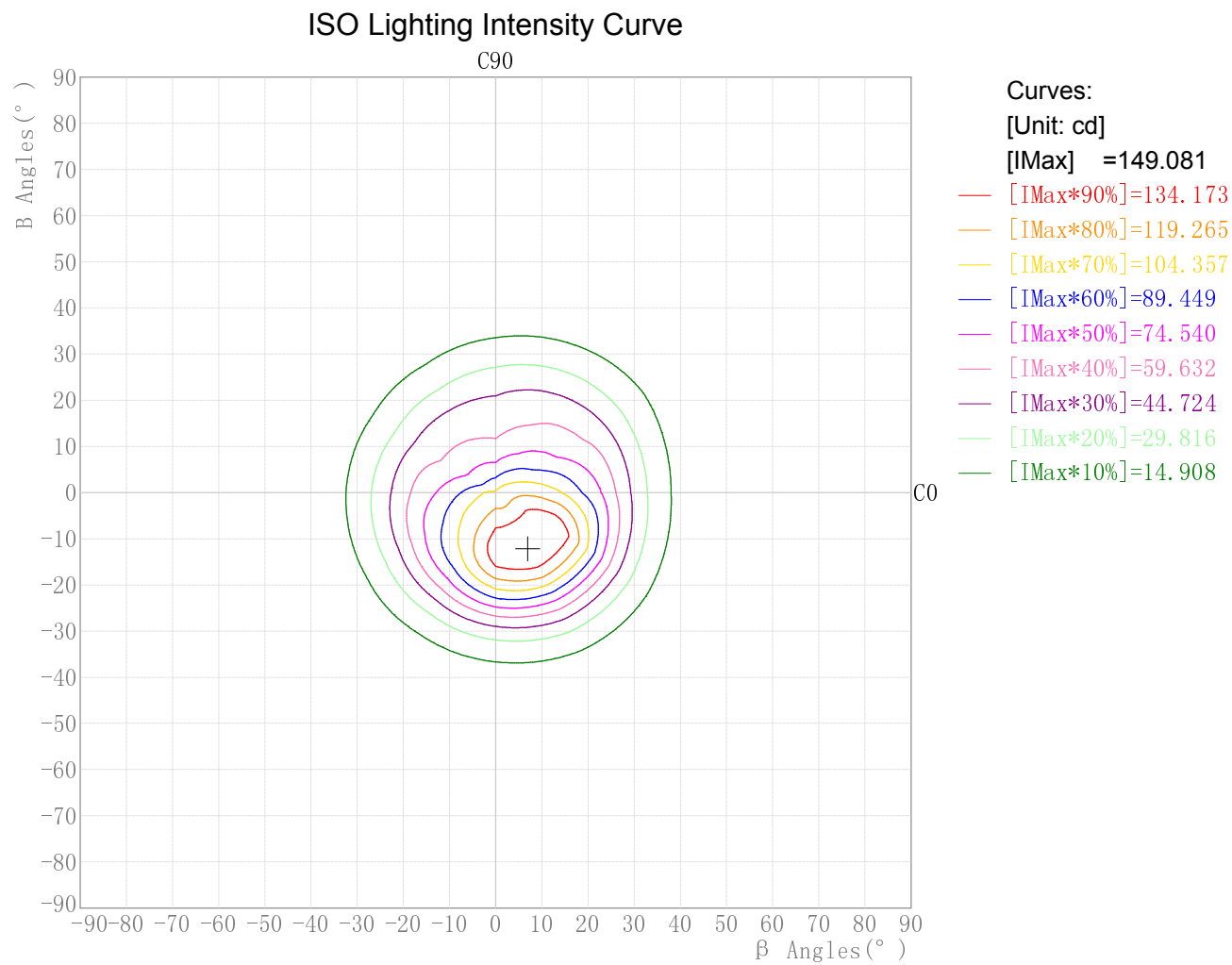
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.10	0.10	0.14	0.14	47.0-48.0	0.19	72.32	0.26	98.42
1.0-2.0	0.30	0.41	0.41	0.55	48.0-49.0	0.17	72.48	0.22	98.65
2.0-3.0	0.51	0.91	0.69	1.24	49.0-50.0	0.14	72.63	0.19	98.84
3.0-4.0	0.70	1.62	0.96	2.20	50.0-51.0	0.12	72.75	0.16	99.00
4.0-5.0	0.90	2.52	1.22	3.42	51.0-52.0	0.10	72.85	0.14	99.14
5.0-6.0	1.09	3.60	1.48	4.91	52.0-53.0	0.09	72.94	0.12	99.26
6.0-7.0	1.28	4.88	1.74	6.64	53.0-54.0	0.08	73.01	0.10	99.37
7.0-8.0	1.46	6.34	1.99	8.63	54.0-55.0	0.06	73.08	0.09	99.45
8.0-9.0	1.64	7.98	2.23	10.86	55.0-56.0	0.06	73.13	0.08	99.53
9.0-10.0	1.81	9.79	2.46	13.32	56.0-57.0	0.05	73.18	0.06	99.59
10.0-11.0	1.97	11.76	2.69	16.01	57.0-58.0	0.04	73.22	0.05	99.65
11.0-12.0	2.13	13.90	2.90	18.91	58.0-59.0	0.03	73.26	0.05	99.69
12.0-13.0	2.28	16.18	3.11	22.02	59.0-60.0	0.03	73.28	0.04	99.73
13.0-14.0	2.42	18.60	3.30	25.32	60.0-61.0	0.02	73.31	0.03	99.76
14.0-15.0	2.54	21.15	3.46	28.78	61.0-62.0	0.02	73.32	0.02	99.79
15.0-16.0	2.65	23.79	3.60	32.38	62.0-63.0	0.01	73.34	0.02	99.81
16.0-17.0	2.73	26.52	3.71	36.09	63.0-64.0	0.01	73.35	0.01	99.82
17.0-18.0	2.78	29.30	3.79	39.88	64.0-65.0	0.01	73.36	0.01	99.83
18.0-19.0	2.82	32.12	3.84	43.71	65.0-66.0	0.01	73.36	0.01	99.84
19.0-20.0	2.83	34.95	3.85	47.56	66.0-67.0	0.00	73.37	0.01	99.85
20.0-21.0	2.82	37.77	3.83	51.40	67.0-68.0	0.00	73.37	0.00	99.85
21.0-22.0	2.78	40.54	3.78	55.18	68.0-69.0	0.00	73.37	0.00	99.85
22.0-23.0	2.72	43.26	3.70	58.87	69.0-70.0	0.00	73.37	0.00	99.85
23.0-24.0	2.63	45.89	3.58	62.45	70.0-71.0	0.00	73.37	0.00	99.85
24.0-25.0	2.52	48.41	3.43	65.88	71.0-72.0	0.00	73.37	0.00	99.85
25.0-26.0	2.39	50.80	3.26	69.14	72.0-73.0	0.00	73.37	0.00	99.85
26.0-27.0	2.26	53.06	3.07	72.21	73.0-74.0	0.00	73.37	0.00	99.85
27.0-28.0	2.11	55.17	2.87	75.08	74.0-75.0	0.00	73.37	0.00	99.85
28.0-29.0	1.96	57.13	2.67	77.75	75.0-76.0	0.00	73.37	0.00	99.85
29.0-30.0	1.80	58.93	2.46	80.21	76.0-77.0	0.00	73.37	0.00	99.85
30.0-31.0	1.65	60.58	2.25	82.45	77.0-78.0	0.00	73.37	0.00	99.85
31.0-32.0	1.50	62.08	2.04	84.49	78.0-79.0	0.00	73.37	0.00	99.85
32.0-33.0	1.35	63.44	1.84	86.33	79.0-80.0	0.00	73.37	0.00	99.85
33.0-34.0	1.22	64.65	1.66	87.99	80.0-81.0	0.00	73.37	0.00	99.85
34.0-35.0	1.09	65.74	1.48	89.47	81.0-82.0	0.00	73.37	0.00	99.85
35.0-36.0	0.97	66.71	1.32	90.79	82.0-83.0	0.00	73.37	0.00	99.85
36.0-37.0	0.86	67.58	1.17	91.97	83.0-84.0	0.00	73.37	0.00	99.85
37.0-38.0	0.76	68.34	1.04	93.00	84.0-85.0	0.00	73.37	0.00	99.85
38.0-39.0	0.67	69.01	0.92	93.92	85.0-86.0	0.00	73.37	0.00	99.85
39.0-40.0	0.59	69.61	0.81	94.73	86.0-87.0	0.00	73.37	0.00	99.85
40.0-41.0	0.52	70.13	0.71	95.44	87.0-88.0	0.00	73.37	0.00	99.85
41.0-42.0	0.46	70.59	0.62	96.07	88.0-89.0	0.00	73.37	0.00	99.85
42.0-43.0	0.40	70.99	0.54	96.61	89.0-90.0	0.00	73.37	0.00	99.85
43.0-44.0	0.35	71.34	0.47	97.08	90.0-91.0	0.00	73.37	0.00	99.85
44.0-45.0	0.30	71.64	0.41	97.50	91.0-92.0	0.00	73.37	0.00	99.85
45.0-46.0	0.26	71.90	0.36	97.85	92.0-93.0	0.00	73.37	0.00	99.85
46.0-47.0	0.22	72.13	0.31	98.16	93.0-94.0	0.00	73.37	0.00	99.85

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	73.37	0.00	99.85	141.0-142.0	0.00	73.37	0.00	99.85
95.0-96.0	0.00	73.37	0.00	99.85	142.0-143.0	0.00	73.37	0.00	99.85
96.0-97.0	0.00	73.37	0.00	99.85	143.0-144.0	0.00	73.37	0.00	99.85
97.0-98.0	0.00	73.37	0.00	99.85	144.0-145.0	0.00	73.37	0.00	99.85
98.0-99.0	0.00	73.37	0.00	99.85	145.0-146.0	0.00	73.37	0.00	99.85
99.0-100.0	0.00	73.37	0.00	99.85	146.0-147.0	0.00	73.37	0.00	99.85
100.0-101.0	0.00	73.37	0.00	99.85	147.0-148.0	0.00	73.37	0.00	99.85
101.0-102.0	0.00	73.37	0.00	99.85	148.0-149.0	0.00	73.37	0.00	99.85
102.0-103.0	0.00	73.37	0.00	99.85	149.0-150.0	0.00	73.37	0.00	99.85
103.0-104.0	0.00	73.37	0.00	99.85	150.0-151.0	0.00	73.37	0.00	99.86
104.0-105.0	0.00	73.37	0.00	99.85	151.0-152.0	0.00	73.38	0.00	99.86
105.0-106.0	0.00	73.37	0.00	99.85	152.0-153.0	0.00	73.38	0.00	99.86
106.0-107.0	0.00	73.37	0.00	99.85	153.0-154.0	0.00	73.38	0.00	99.87
107.0-108.0	0.00	73.37	0.00	99.85	154.0-155.0	0.00	73.38	0.00	99.87
108.0-109.0	0.00	73.37	0.00	99.85	155.0-156.0	0.00	73.39	0.00	99.87
109.0-110.0	0.00	73.37	0.00	99.85	156.0-157.0	0.00	73.39	0.00	99.88
110.0-111.0	0.00	73.37	0.00	99.85	157.0-158.0	0.00	73.39	0.01	99.88
111.0-112.0	0.00	73.37	0.00	99.85	158.0-159.0	0.00	73.40	0.01	99.89
112.0-113.0	0.00	73.37	0.00	99.85	159.0-160.0	0.00	73.40	0.01	99.90
113.0-114.0	0.00	73.37	0.00	99.85	160.0-161.0	0.00	73.41	0.01	99.90
114.0-115.0	0.00	73.37	0.00	99.85	161.0-162.0	0.00	73.41	0.01	99.91
115.0-116.0	0.00	73.37	0.00	99.85	162.0-163.0	0.00	73.42	0.01	99.91
116.0-117.0	0.00	73.37	0.00	99.85	163.0-164.0	0.01	73.42	0.01	99.92
117.0-118.0	0.00	73.37	0.00	99.85	164.0-165.0	0.01	73.43	0.01	99.93
118.0-119.0	0.00	73.37	0.00	99.85	165.0-166.0	0.00	73.43	0.01	99.94
119.0-120.0	0.00	73.37	0.00	99.85	166.0-167.0	0.01	73.44	0.01	99.94
120.0-121.0	0.00	73.37	0.00	99.85	167.0-168.0	0.00	73.44	0.01	99.95
121.0-122.0	0.00	73.37	0.00	99.85	168.0-169.0	0.00	73.45	0.01	99.95
122.0-123.0	0.00	73.37	0.00	99.85	169.0-170.0	0.00	73.45	0.01	99.96
123.0-124.0	0.00	73.37	0.00	99.85	170.0-171.0	0.00	73.46	0.01	99.97
124.0-125.0	0.00	73.37	0.00	99.85	171.0-172.0	0.00	73.46	0.01	99.97
125.0-126.0	0.00	73.37	0.00	99.85	172.0-173.0	0.00	73.46	0.00	99.98
126.0-127.0	0.00	73.37	0.00	99.85	173.0-174.0	0.00	73.47	0.00	99.98
127.0-128.0	0.00	73.37	0.00	99.85	174.0-175.0	0.00	73.47	0.00	99.99
128.0-129.0	0.00	73.37	0.00	99.85	175.0-176.0	0.00	73.47	0.00	99.99
129.0-130.0	0.00	73.37	0.00	99.85	176.0-177.0	0.00	73.47	0.00	99.99
130.0-131.0	0.00	73.37	0.00	99.85	177.0-178.0	0.00	73.47	0.00	99.99
131.0-132.0	0.00	73.37	0.00	99.85	178.0-179.0	0.00	73.48	0.00	99.99
132.0-133.0	0.00	73.37	0.00	99.85	179.0-180.0	0.00	73.48	0.00	99.99
133.0-134.0	0.00	73.37	0.00	99.85					
134.0-135.0	0.00	73.37	0.00	99.85					
135.0-136.0	0.00	73.37	0.00	99.85					
136.0-137.0	0.00	73.37	0.00	99.85					
137.0-138.0	0.00	73.37	0.00	99.85					
138.0-139.0	0.00	73.37	0.00	99.85					
139.0-140.0	0.00	73.37	0.00	99.85					
140.0-141.0	0.00	73.37	0.00	99.85					

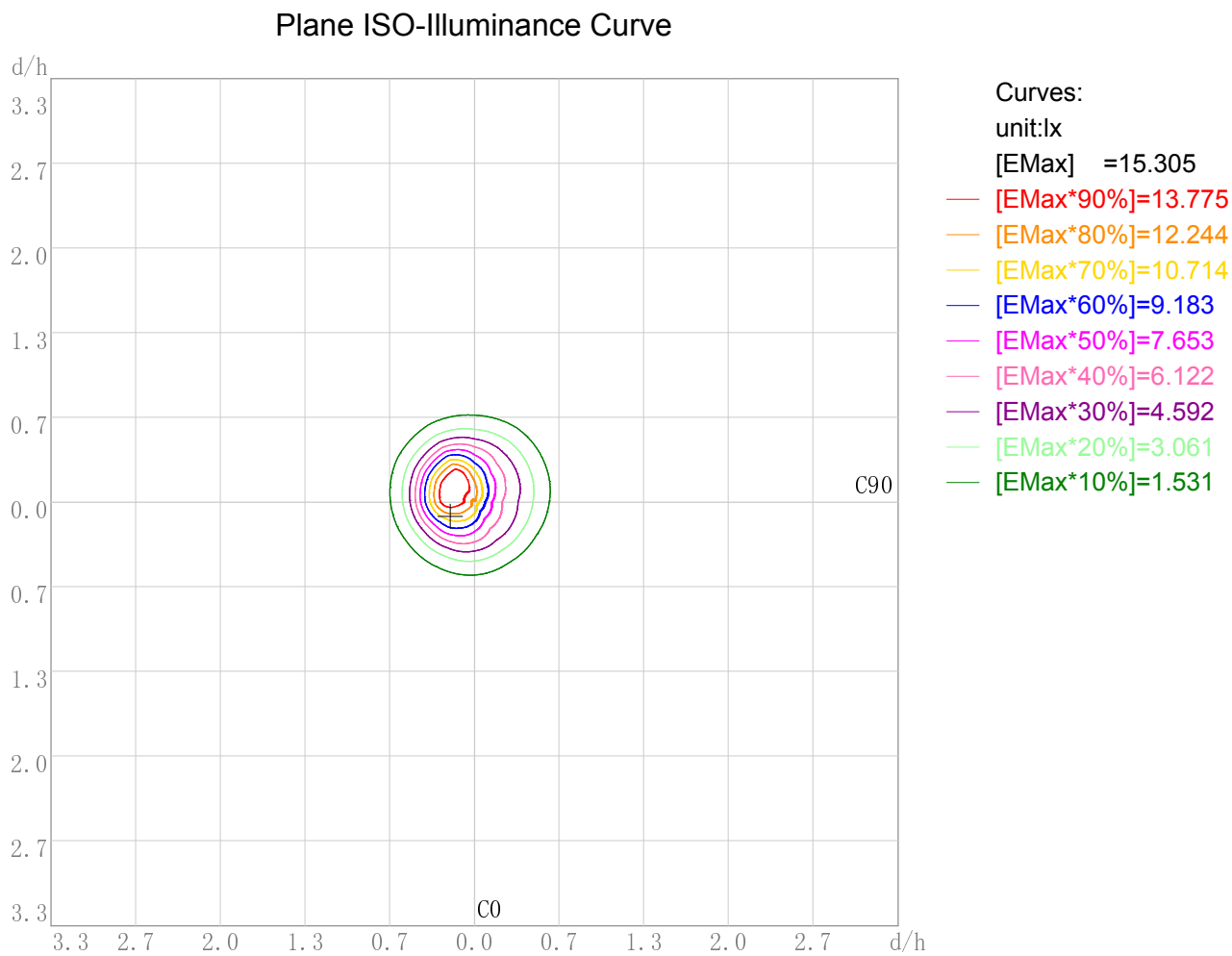
Rectangle ISO Lighting Intensity Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/06/18



Plane ISO-Illuminance Diagram

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/06/18

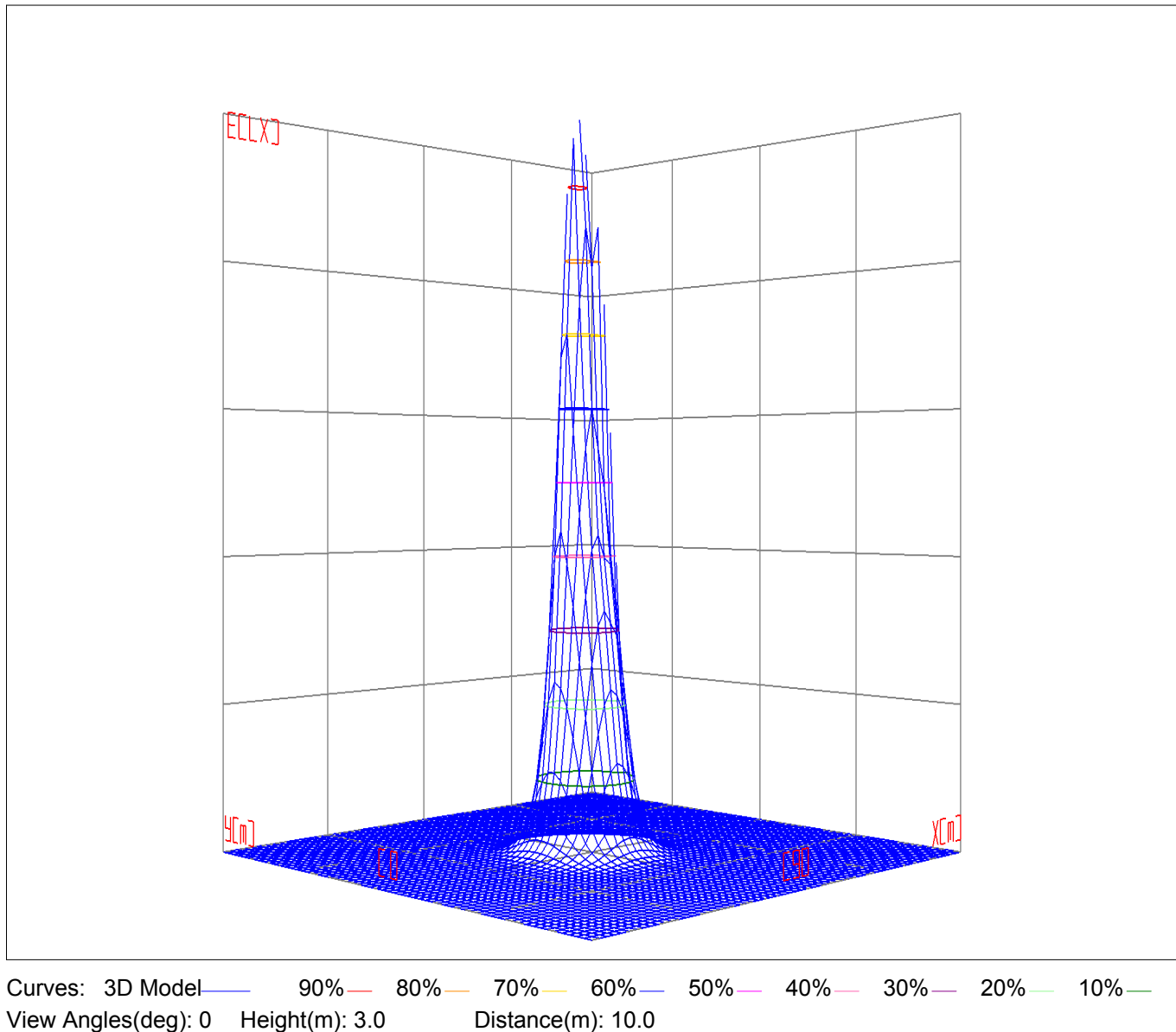


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 15.31  
Working Plane Maximum Illuminance Position(d/h):H-0.2 V0.1

### 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: 2019/06/18

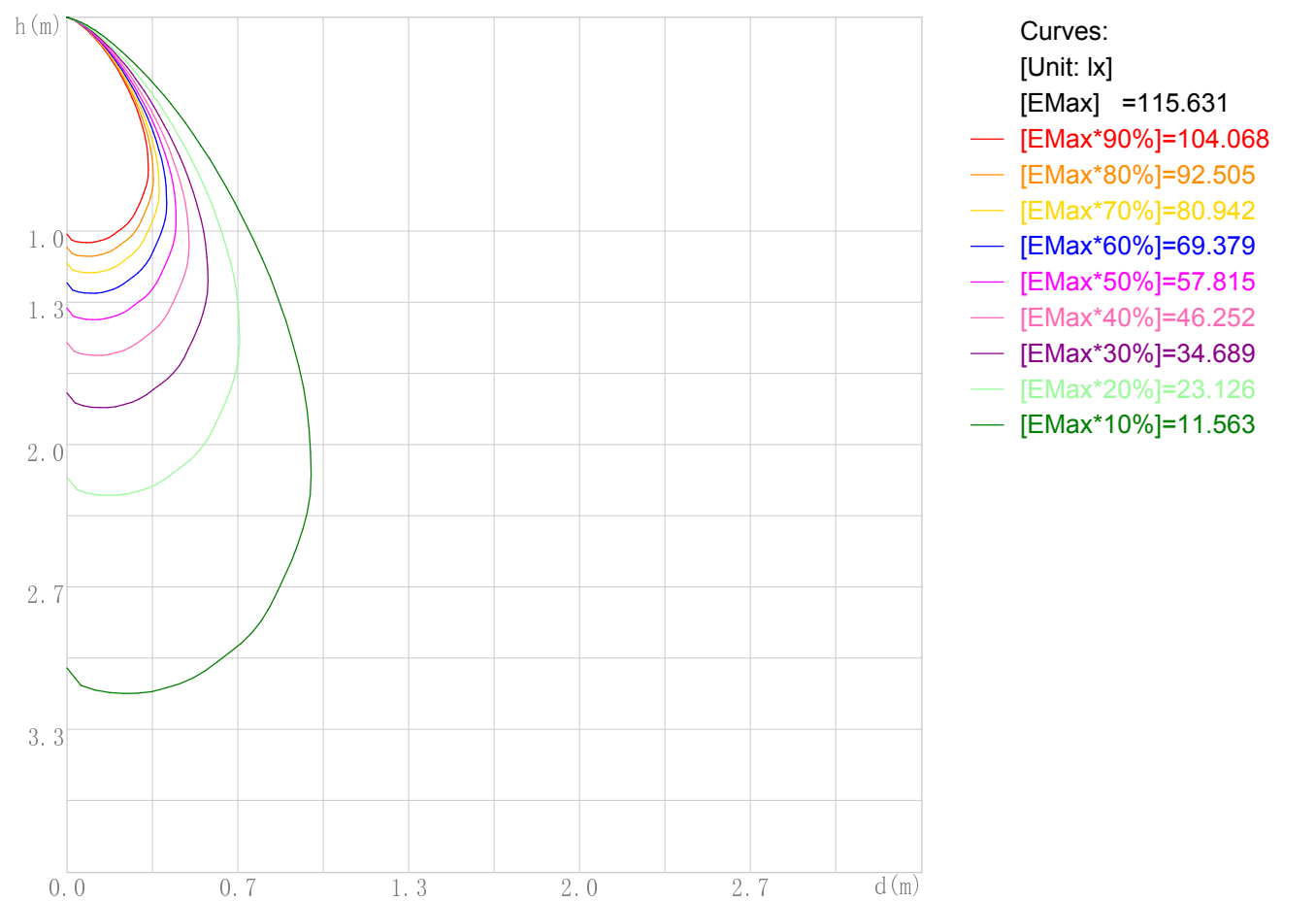
### 3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/06/18

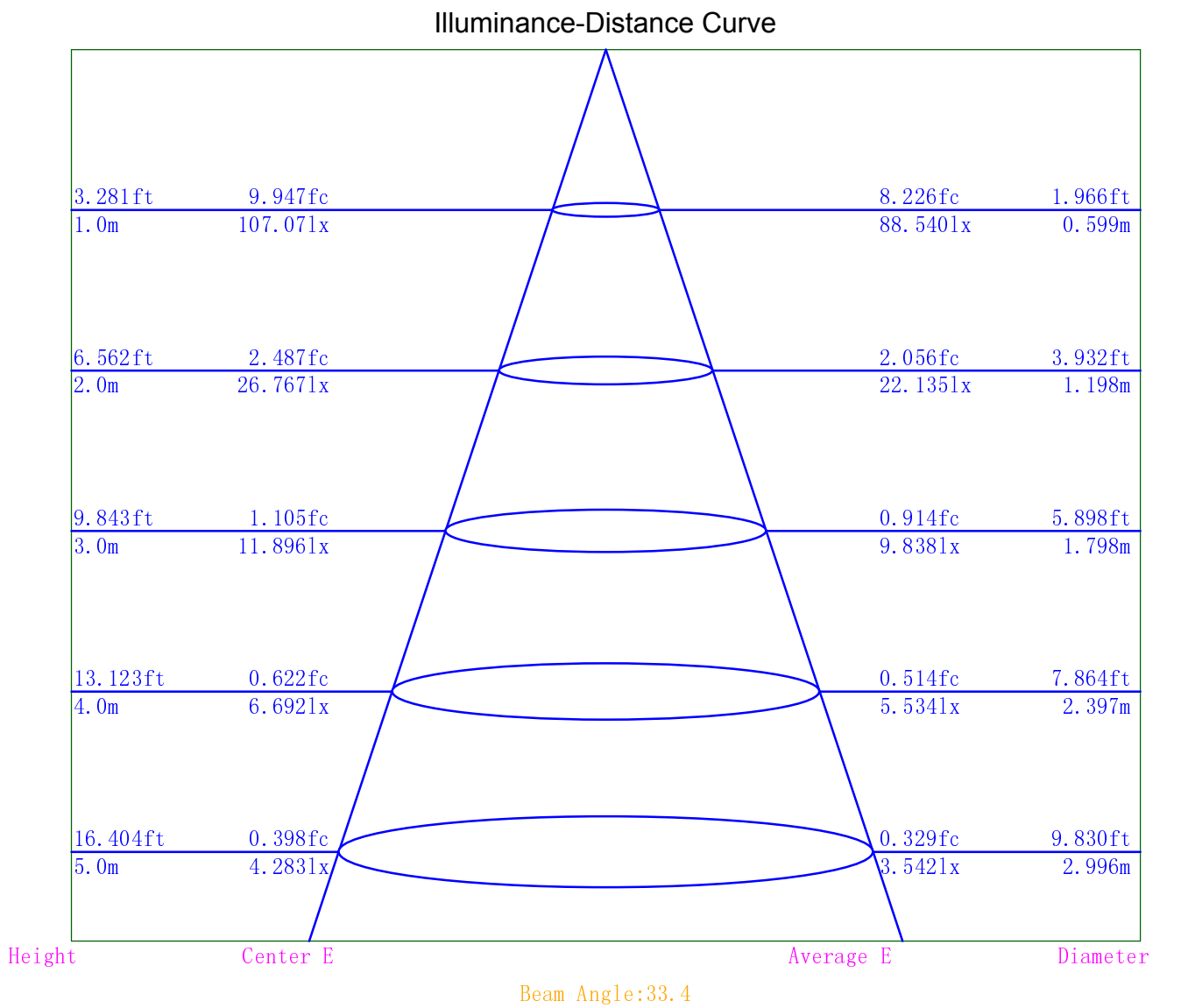
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:115.63lx,4.0deg  
Plane Maximum Lighting Intensity and @Angle:116.915cd,0deg

Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/06/18

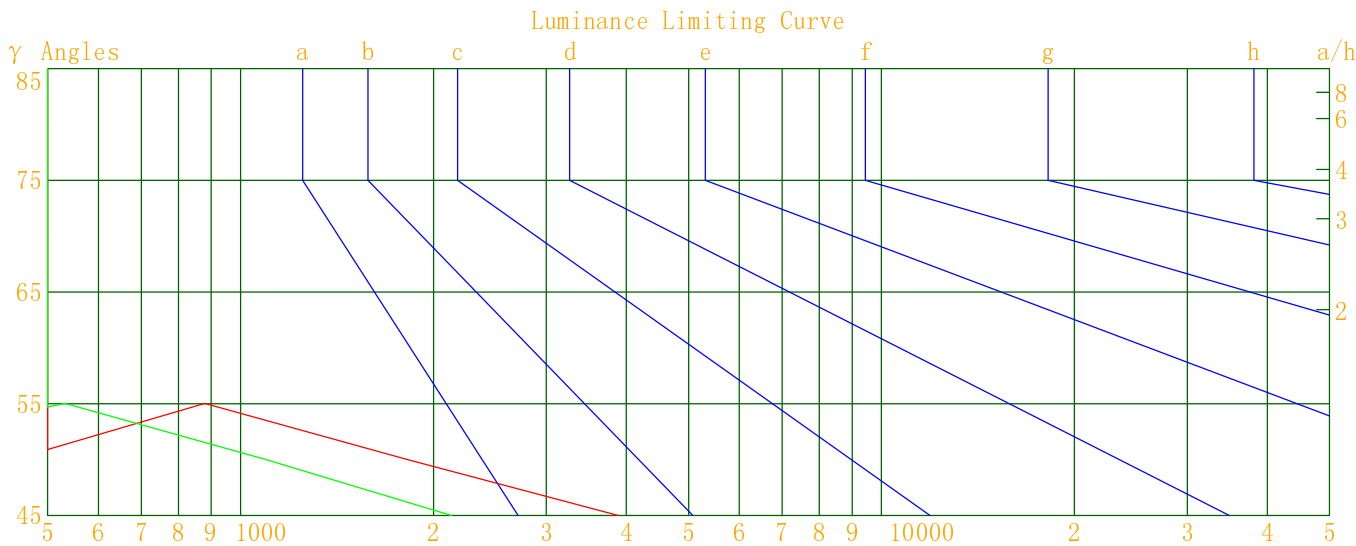


Indoor Luminance Limiting Curves

Table with 3 columns: Lum. Name, Lum. Catalog, Test ID, Lamp Name, Lamp Catalog, Test Lab, Manufacture, Test Machine, Test Date.

Table with 10 columns: GI, Quality, and 8 columns under 'Using Illuminance' (2000, 1000, 500, <=300, etc.).

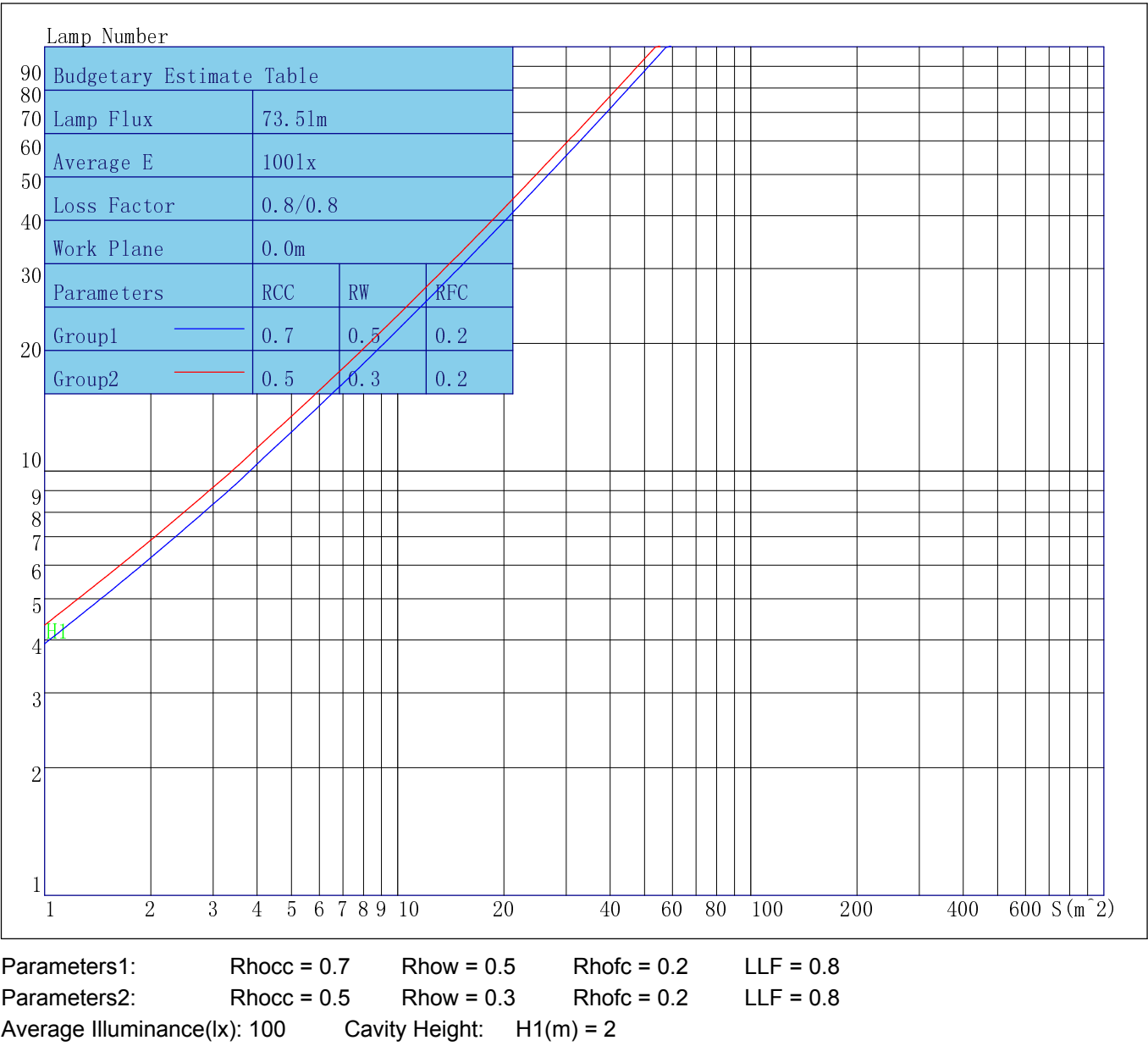
Table with 10 columns: Gama (deg), 45, 50, 55, 60, 65, 70, 75, 80, 85, and 3 rows of data (C0, C90, etc.).



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:

Indoor Budgetary Estimate Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/06/18



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: 2019/06/18

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	81	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56

Unified Glare Rating Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/06/18

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	13.4	14.4	13.8	14.7	15.1	9.4	10.4	9.8	10.8	11.1
	Y=3H	13.2	14.1	13.6	14.4	14.8	9.2	10.1	9.6	10.5	10.8
	Y=4H	13.1	13.9	13.5	14.3	14.7	9.1	10.0	9.5	10.3	10.7
	Y=6H	13.0	13.8	13.4	14.1	14.5	9.0	9.8	9.4	10.2	10.6
	Y=8H	12.9	13.6	13.4	14.0	14.5	9.0	9.7	9.4	10.1	10.5
	Y=12H	12.9	13.6	13.3	13.9	14.4	8.9	9.6	9.3	10.0	10.4
X=4H	Y=2H	13.1	13.9	13.5	14.3	14.7	9.2	10.0	9.6	10.3	10.7
	Y=3H	12.9	13.6	13.3	14.0	14.4	8.9	9.6	9.3	10.0	10.4
	Y=4H	12.8	13.4	13.2	13.8	14.3	8.8	9.4	9.2	9.9	10.3
	Y=6H	12.6	13.2	13.1	13.6	14.1	8.7	9.2	9.2	9.7	10.2
	Y=8H	12.6	13.1	13.0	13.5	14.0	8.6	9.1	9.1	9.6	10.1
	Y=12H	12.5	13.0	13.0	13.4	13.9	8.5	9.0	9.0	9.5	10.0
X=8H	Y=4H	12.6	13.1	13.0	13.5	14.0	8.6	9.1	9.1	9.6	10.1
	Y=6H	12.4	12.9	12.9	13.4	13.9	8.5	8.9	9.0	9.4	9.9
	Y=8H	12.4	12.7	12.9	13.3	13.8	8.4	8.8	8.9	9.3	9.8
	Y=12H	12.3	12.6	12.8	13.1	13.7	8.3	8.7	8.9	9.2	9.8
X=12H	Y=4H	12.5	13.0	13.0	13.4	13.9	8.5	9.0	9.0	9.5	10.0
	Y=6H	12.4	12.8	12.9	13.2	13.8	8.4	8.8	8.9	9.3	9.8
	Y=8H	12.3	12.6	12.8	13.1	13.7	8.3	8.7	8.9	9.2	9.8
Variations with the objverver 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		7.7/0.0					11.4/0.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
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:UL-1007-45度.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	107. 07	107. 07	107. 07	107. 07	107. 07	107. 07	107. 07	107. 07	107. 07	107. 07	107. 07	107. 07
γ 1. 0	112. 97	108. 87	103. 73	99. 61	98. 87	99. 43	108. 85	110. 05	108. 76	108. 84	107. 80	108. 37
γ 2. 0	114. 74	107. 89	100. 76	95. 07	94. 24	94. 96	106. 04	109. 74	110. 80	113. 22	112. 02	112. 67
γ 3. 0	115. 82	106. 46	97. 68	90. 43	89. 44	90. 46	102. 95	109. 38	112. 62	117. 55	116. 30	116. 76
γ 4. 0	116. 48	104. 65	94. 26	85. 64	85. 10	86. 12	99. 98	108. 65	114. 02	121. 89	120. 54	120. 45
γ 5. 0	116. 90	102. 65	90. 79	81. 07	81. 19	82. 08	96. 98	107. 37	115. 09	125. 91	124. 65	124. 09
γ 6. 0	116. 92	100. 11	87. 21	76. 69	77. 29	78. 39	93. 97	106. 30	116. 05	129. 29	128. 85	127. 85
γ 7. 0	116. 39	97. 41	83. 66	72. 83	73. 95	75. 25	90. 98	104. 95	116. 72	132. 29	132. 89	132. 01
γ 8. 0	115. 76	94. 55	79. 87	69. 42	71. 17	72. 65	88. 04	103. 30	116. 97	135. 07	136. 43	135. 88
γ 9. 0	114. 68	91. 39	76. 52	66. 59	68. 12	69. 93	85. 00	101. 16	116. 59	137. 68	139. 68	139. 31
γ 10. 0	113. 08	88. 63	73. 68	63. 78	65. 39	67. 38	82. 15	98. 30	116. 03	140. 24	142. 12	142. 41
γ 11. 0	111. 05	86. 03	71. 25	61. 19	62. 97	64. 88	79. 46	95. 59	114. 50	142. 28	144. 72	144. 71
γ 12. 0	109. 14	83. 23	68. 97	59. 03	60. 91	62. 82	76. 89	92. 85	112. 64	142. 99	147. 18	146. 53
γ 13. 0	107. 35	80. 44	66. 62	57. 17	59. 40	60. 89	74. 26	90. 08	110. 50	142. 47	148. 87	147. 52
γ 14. 0	105. 12	77. 70	64. 61	55. 63	57. 98	59. 08	71. 69	87. 28	107. 93	140. 55	149. 08	147. 74
γ 15. 0	102. 37	74. 86	62. 69	54. 20	56. 70	57. 44	69. 29	84. 26	104. 92	137. 70	147. 41	146. 61
γ 16. 0	99. 02	72. 32	61. 01	52. 71	55. 19	55. 95	66. 88	81. 20	101. 17	134. 00	144. 42	144. 03
γ 17. 0	95. 25	70. 04	59. 47	51. 33	53. 10	54. 17	64. 20	77. 57	96. 94	129. 10	141. 08	140. 43
γ 18. 0	91. 73	67. 85	58. 15	50. 07	50. 68	51. 68	60. 97	73. 76	92. 28	123. 34	136. 73	136. 36
γ 19. 0	88. 37	65. 88	56. 82	48. 55	48. 23	48. 91	57. 63	69. 56	87. 15	116. 85	131. 45	131. 13
γ 20. 0	85. 02	63. 86	55. 09	46. 69	45. 66	46. 33	54. 18	65. 25	81. 52	110. 29	125. 45	125. 46
γ 21. 0	81. 57	61. 82	53. 07	44. 62	42. 86	43. 52	50. 69	60. 43	75. 80	103. 22	118. 56	119. 00
γ 22. 0	77. 98	59. 74	50. 84	42. 69	39. 93	40. 51	47. 13	55. 51	70. 19	95. 90	111. 03	112. 23
γ 23. 0	73. 94	57. 60	48. 49	40. 64	37. 09	37. 21	43. 48	50. 61	64. 41	88. 36	102. 86	105. 00
γ 24. 0	69. 30	55. 33	46. 28	38. 23	34. 10	33. 80	39. 82	45. 83	58. 49	80. 78	94. 78	97. 15
γ 25. 0	64. 42	52. 56	43. 54	35. 77	30. 93	30. 61	36. 25	41. 36	52. 57	72. 82	86. 60	89. 07
γ 26. 0	59. 79	49. 56	40. 67	33. 15	27. 83	27. 54	32. 92	37. 16	47. 02	65. 03	78. 74	81. 05
γ 27. 0	55. 18	46. 57	37. 88	30. 27	25. 07	24. 68	29. 57	33. 08	41. 72	57. 73	70. 90	73. 37
γ 28. 0	50. 57	43. 40	34. 92	27. 52	22. 50	22. 04	26. 44	29. 43	36. 91	50. 98	63. 40	65. 98
γ 29. 0	45. 97	40. 13	32. 17	24. 81	20. 01	19. 58	23. 40	26. 08	32. 25	44. 63	56. 63	59. 01
γ 30. 0	41. 28	36. 69	29. 22	22. 40	17. 66	17. 20	20. 59	22. 92	28. 12	38. 92	50. 19	52. 35
γ 31. 0	37. 04	33. 10	26. 43	20. 28	15. 57	15. 12	18. 01	19. 91	24. 47	33. 83	44. 01	46. 10
γ 32. 0	32. 98	29. 85	23. 63	18. 07	13. 67	13. 23	15. 78	17. 25	21. 29	29. 38	38. 36	40. 36
γ 33. 0	29. 32	26. 73	21. 07	15. 97	11. 99	11. 56	13. 76	14. 89	18. 41	25. 34	33. 30	35. 19
γ 34. 0	25. 84	23. 82	18. 71	14. 03	10. 51	10. 03	11. 96	12. 90	15. 89	21. 89	28. 81	30. 68
γ 35. 0	22. 60	21. 19	16. 52	12. 32	9. 12	8. 68	10. 35	11. 13	13. 61	18. 99	24. 86	26. 56
γ 36. 0	19. 68	18. 81	14. 51	10. 79	7. 84	7. 51	8. 92	9. 61	11. 70	16. 45	21. 31	22. 80
γ 37. 0	17. 17	16. 73	12. 72	9. 39	6. 74	6. 39	7. 66	8. 25	10. 09	14. 14	18. 28	19. 52
γ 38. 0	14. 92	14. 81	11. 11	8. 16	5. 87	5. 50	6. 57	7. 02	8. 68	12. 15	15. 67	16. 76
γ 39. 0	12. 94	12. 93	9. 73	7. 08	5. 11	4. 77	5. 64	5. 99	7. 42	10. 39	13. 37	14. 51
γ 40. 0	11. 27	11. 28	8. 47	6. 15	4. 40	4. 14	4. 84	5. 05	6. 28	8. 89	11. 41	12. 54
γ 41. 0	9. 77	9. 72	7. 39	5. 34	3. 80	3. 53	4. 08	4. 18	5. 28	7. 73	9. 78	10. 84
γ 42. 0	8. 45	8. 37	6. 43	4. 63	3. 27	3. 01	3. 50	3. 49	4. 43	6. 67	8. 37	9. 33
γ 43. 0	7. 26	7. 22	5. 53	3. 95	2. 79	2. 55	2. 97	2. 96	3. 65	5. 68	7. 19	7. 96
γ 44. 0	6. 25	6. 26	4. 80	3. 40	2. 37	2. 18	2. 52	2. 46	2. 99	4. 79	6. 09	6. 84
γ 45. 0	5. 39	5. 45	4. 16	2. 96	2. 03	1. 87	2. 16	2. 06	2. 43	4. 07	5. 19	5. 77
γ 46. 0	4. 61	4. 69	3. 59	2. 55	1. 74	1. 60	1. 85	1. 74	2. 04	3. 31	4. 43	4. 72

**IES Indoor Report**  
**Photometric Filename:UL-1007-45度.IES**

**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	3. 87	4. 03	3. 08	2. 18	1. 47	1. 35	1. 57	1. 48	1. 69	2. 73	3. 71	3. 83
γ 48. 0	3. 31	3. 40	2. 66	1. 88	1. 23	1. 14	1. 34	1. 25	1. 40	2. 30	3. 09	3. 18
γ 49. 0	2. 77	2. 93	2. 27	1. 61	1. 04	0. 96	1. 11	1. 05	1. 18	1. 95	2. 53	2. 67
γ 50. 0	2. 30	2. 52	1. 96	1. 38	0. 87	0. 80	0. 93	0. 89	1. 00	1. 61	2. 15	2. 25
γ 51. 0	1. 94	2. 19	1. 68	1. 18	0. 72	0. 67	0. 78	0. 76	0. 87	1. 29	1. 74	1. 87
γ 52. 0	1. 64	1. 86	1. 44	1. 00	0. 60	0. 54	0. 66	0. 65	0. 74	1. 11	1. 45	1. 47
γ 53. 0	1. 39	1. 60	1. 22	0. 84	0. 50	0. 46	0. 55	0. 54	0. 63	0. 97	1. 22	1. 24
γ 54. 0	1. 17	1. 36	1. 03	0. 71	0. 41	0. 38	0. 47	0. 46	0. 55	0. 82	1. 04	1. 06
γ 55. 0	0. 99	1. 16	0. 87	0. 60	0. 33	0. 28	0. 38	0. 40	0. 47	0. 70	0. 88	0. 88
γ 56. 0	0. 85	0. 99	0. 73	0. 49	0. 27	0. 24	0. 31	0. 32	0. 42	0. 62	0. 76	0. 76
γ 57. 0	0. 71	0. 83	0. 61	0. 41	0. 20	0. 18	0. 25	0. 27	0. 36	0. 53	0. 65	0. 65
γ 58. 0	0. 62	0. 71	0. 51	0. 33	0. 14	0. 14	0. 20	0. 23	0. 31	0. 44	0. 56	0. 56
γ 59. 0	0. 50	0. 58	0. 42	0. 26	0. 10	0. 09	0. 15	0. 19	0. 25	0. 38	0. 48	0. 46
γ 60. 0	0. 44	0. 48	0. 34	0. 21	0. 06	0. 05	0. 10	0. 14	0. 22	0. 33	0. 42	0. 38
γ 61. 0	0. 37	0. 40	0. 26	0. 15	0. 02	0. 01	0. 06	0. 11	0. 18	0. 28	0. 35	0. 34
γ 62. 0	0. 30	0. 32	0. 21	0. 10	0. 00	0. 00	0. 03	0. 07	0. 13	0. 24	0. 29	0. 28
γ 63. 0	0. 24	0. 25	0. 16	0. 05	0. 00	0. 00	0. 00	0. 04	0. 11	0. 19	0. 25	0. 24
γ 64. 0	0. 20	0. 20	0. 10	0. 01	0. 00	0. 00	0. 00	0. 01	0. 07	0. 16	0. 20	0. 19
γ 65. 0	0. 14	0. 14	0. 06	0. 00	0. 00	0. 00	0. 00	0. 00	0. 04	0. 12	0. 17	0. 15
γ 66. 0	0. 10	0. 09	0. 02	0. 00	0. 00	0. 00	0. 00	0. 00	0. 03	0. 09	0. 13	0. 10
γ 67. 0	0. 08	0. 05	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 05	0. 09	0. 08
γ 68. 0	0. 05	0. 03	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 03	0. 07	0. 05
γ 69. 0	0. 02	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 04	0. 03
γ 70. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 01	0. 00
γ 71. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 72. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 73. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 74. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 75. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 76. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 77. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 78. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 79. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 80. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 81. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 82. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 83. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 84. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 85. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 86. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 87. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 88. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 89. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 90. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 91. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 92. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 93. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00



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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 145.0	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
γ 146.0	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00
γ 147.0	0.00	0.00	0.00	0.01	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00
γ 148.0	0.00	0.00	0.00	0.02	0.05	0.05	0.02	0.00	0.00	0.00	0.00	0.00
γ 149.0	0.00	0.00	0.00	0.05	0.07	0.07	0.04	0.00	0.00	0.00	0.00	0.00
γ 150.0	0.00	0.00	0.01	0.06	0.08	0.08	0.06	0.01	0.00	0.00	0.00	0.00
γ 151.0	0.00	0.00	0.02	0.08	0.09	0.10	0.07	0.03	0.00	0.00	0.00	0.00
γ 152.0	0.00	0.00	0.04	0.10	0.10	0.12	0.09	0.04	0.00	0.00	0.00	0.00
γ 153.0	0.00	0.00	0.05	0.11	0.12	0.14	0.10	0.05	0.00	0.00	0.00	0.00
γ 154.0	0.00	0.03	0.07	0.12	0.13	0.14	0.12	0.05	0.01	0.00	0.00	0.00
γ 155.0	0.00	0.03	0.08	0.13	0.13	0.15	0.13	0.07	0.03	0.00	0.00	0.00
γ 156.0	0.01	0.05	0.09	0.14	0.14	0.15	0.15	0.09	0.05	0.00	0.00	0.00
γ 157.0	0.03	0.07	0.10	0.15	0.15	0.17	0.16	0.11	0.06	0.01	0.00	0.00
γ 158.0	0.04	0.09	0.12	0.16	0.16	0.17	0.16	0.14	0.08	0.04	0.00	0.00
γ 159.0	0.05	0.10	0.13	0.16	0.17	0.18	0.17	0.14	0.09	0.04	0.01	0.02
γ 160.0	0.07	0.11	0.13	0.18	0.17	0.20	0.18	0.15	0.11	0.06	0.03	0.02
γ 161.0	0.09	0.13	0.14	0.20	0.18	0.20	0.20	0.16	0.13	0.08	0.05	0.05
γ 162.0	0.10	0.14	0.15	0.19	0.20	0.19	0.19	0.18	0.14	0.09	0.08	0.05
γ 163.0	0.11	0.15	0.16	0.19	0.19	0.22	0.21	0.19	0.17	0.11	0.08	0.08
γ 164.0	0.14	0.16	0.18	0.21	0.20	0.23	0.22	0.20	0.18	0.13	0.10	0.09
γ 165.0	0.14	0.16	0.19	0.21	0.21	0.22	0.22	0.22	0.19	0.13	0.12	0.11
γ 166.0	0.16	0.17	0.18	0.22	0.23	0.22	0.23	0.24	0.19	0.16	0.13	0.14
γ 167.0	0.17	0.19	0.20	0.24	0.23	0.23	0.23	0.23	0.22	0.17	0.16	0.16
γ 168.0	0.17	0.20	0.20	0.23	0.23	0.24	0.26	0.24	0.22	0.18	0.17	0.17
γ 169.0	0.19	0.22	0.21	0.24	0.25	0.23	0.25	0.25	0.24	0.21	0.19	0.19
γ 170.0	0.20	0.21	0.22	0.24	0.25	0.26	0.27	0.26	0.24	0.21	0.19	0.20
γ 171.0	0.23	0.22	0.22	0.25	0.26	0.28	0.27	0.26	0.24	0.22	0.21	0.22
γ 172.0	0.24	0.23	0.23	0.25	0.27	0.28	0.28	0.27	0.25	0.23	0.23	0.22
γ 173.0	0.24	0.24	0.24	0.25	0.27	0.29	0.27	0.28	0.26	0.24	0.24	0.24
γ 174.0	0.25	0.24	0.26	0.27	0.27	0.29	0.28	0.28	0.26	0.26	0.26	0.26
γ 175.0	0.25	0.25	0.27	0.27	0.28	0.30	0.29	0.28	0.28	0.26	0.27	0.26
γ 176.0	0.27	0.26	0.25	0.28	0.28	0.30	0.28	0.28	0.28	0.27	0.28	0.28
γ 177.0	0.27	0.27	0.28	0.29	0.30	0.30	0.29	0.28	0.28	0.28	0.28	0.28
γ 178.0	0.27	0.27	0.26	0.28	0.29	0.31	0.29	0.28	0.29	0.28	0.28	0.28
γ 179.0	0.28	0.28	0.27	0.28	0.29	0.30	0.29	0.28	0.29	0.27	0.29	0.29
γ 180.0	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29