

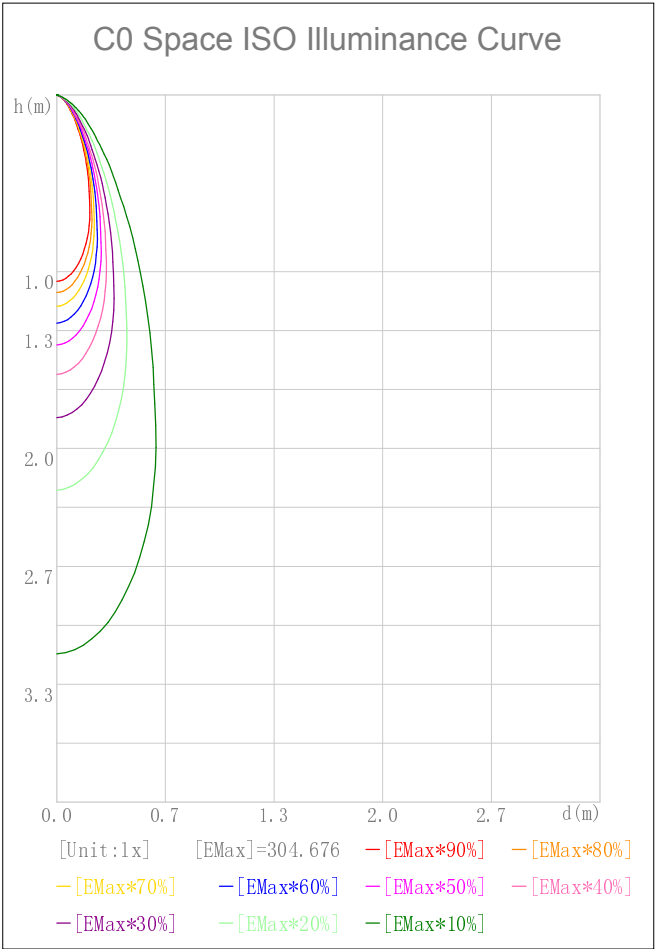
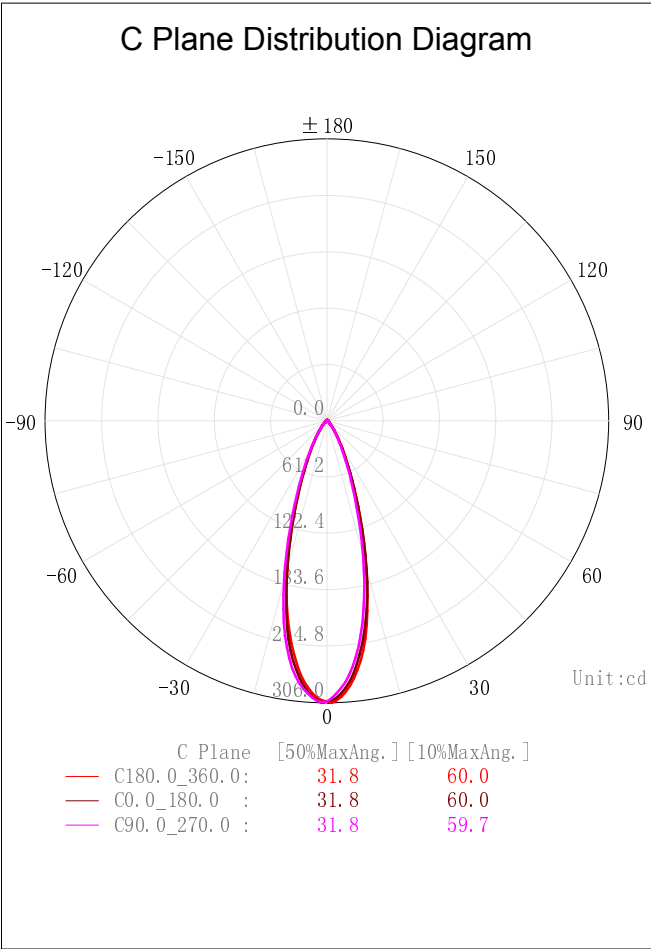
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2019/02/23
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(%):

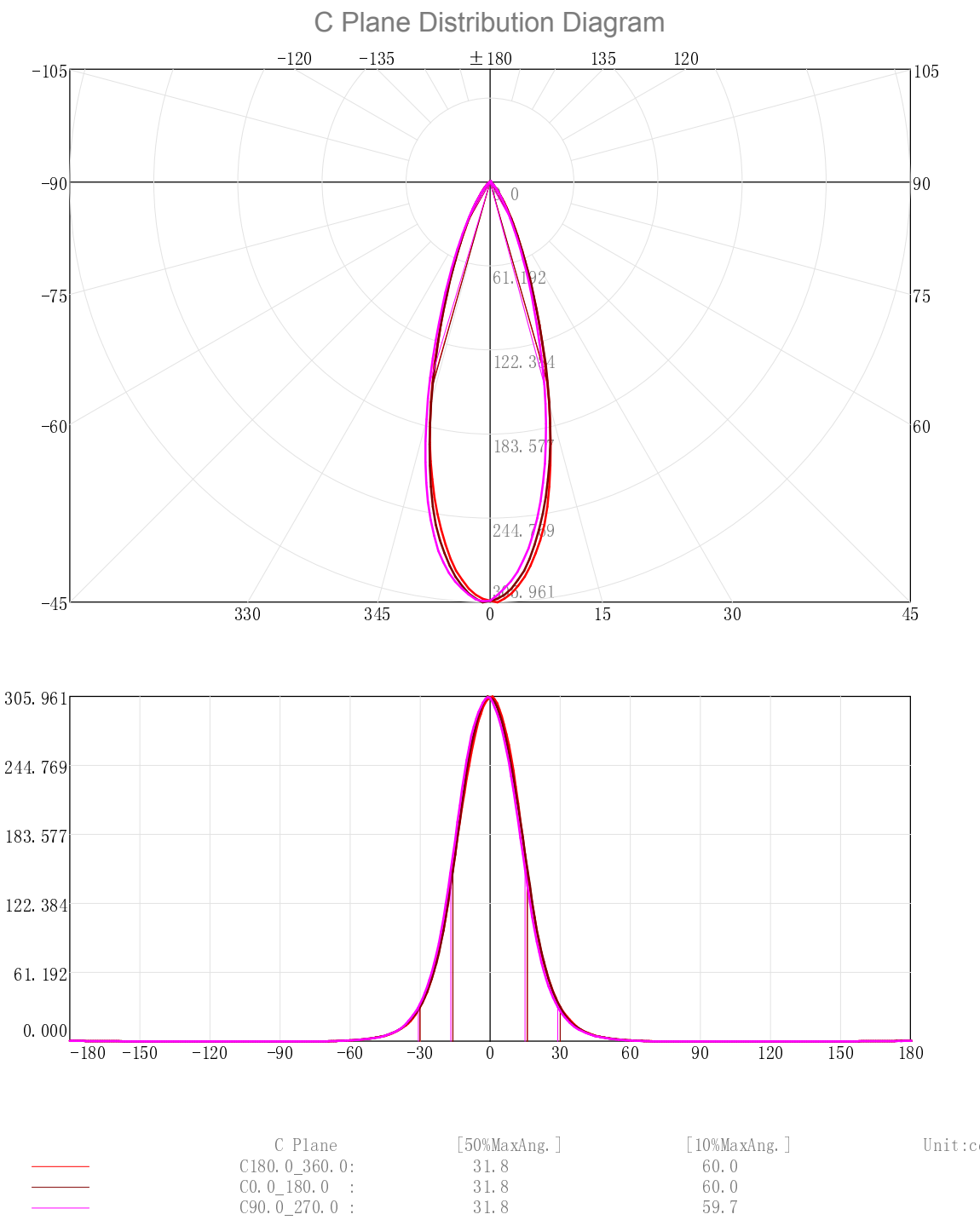
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 113.180	Luminary Flux(lm): 113.183	Field Angle(10%Imax): 60.0(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 113.054lm 99.89%	
Rated Voltage(V): 24	Luminary EER(lm/W): 36.676	Up Lumens&Percent: 0.129lm 0.11%	
Tested Power(W): 3.086	Max. Candela(cd): 305.961	S/MH: C0_a180=0.529 C90_270=0.528	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):19.0, 0.162	Beam Angle(50%Imax): 31.8(°)	ErP Φ use(90°): 109.420lm	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-15.9°, Right=15.8°	IRF(%): 570.940	



2D Plane Light Intensity Distribution Curve

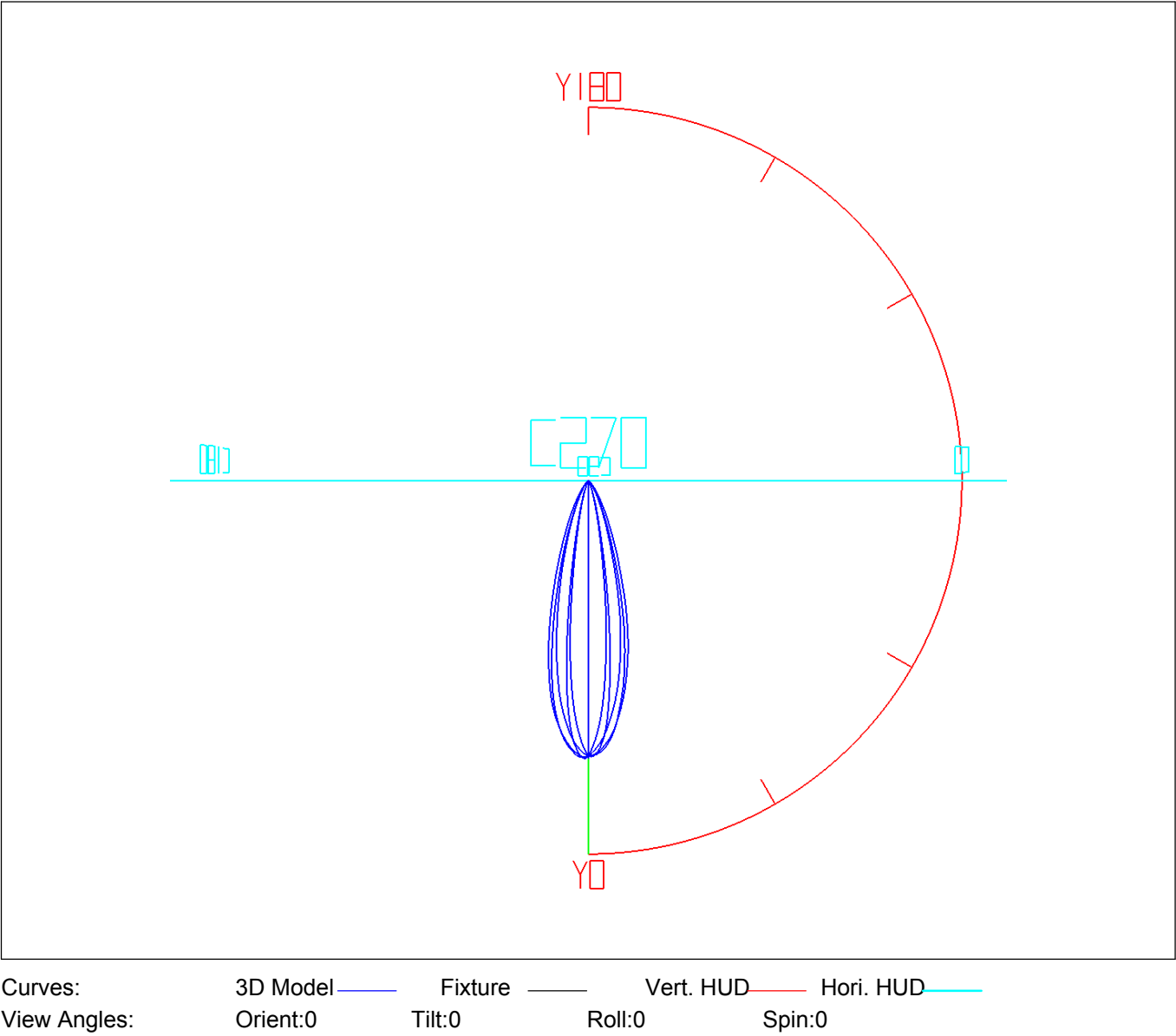
Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23



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: 2019/02/23

3D Light Intensity Distribution Modal



Zonal Flux Tabulation

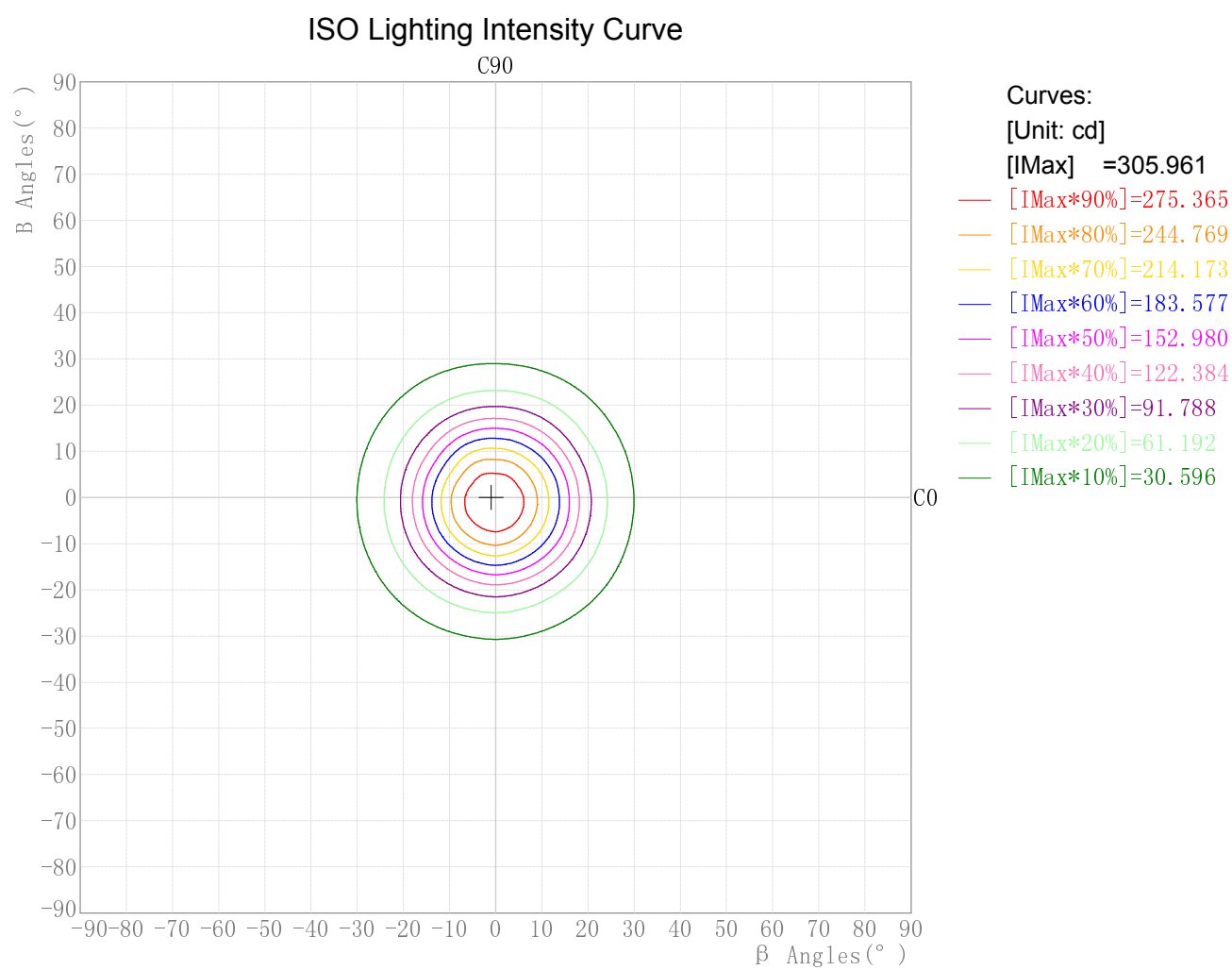
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.29	0.29	0.26	0.26	47.0-48.0	0.31	110.60	0.27	97.72
1.0-2.0	0.87	1.16	0.77	1.02	48.0-49.0	0.28	110.88	0.25	97.97
2.0-3.0	1.43	2.59	1.26	2.29	49.0-50.0	0.25	111.14	0.22	98.19
3.0-4.0	1.97	4.55	1.74	4.02	50.0-51.0	0.23	111.37	0.20	98.40
4.0-5.0	2.48	7.03	2.19	6.22	51.0-52.0	0.21	111.58	0.19	98.58
5.0-6.0	2.96	9.99	2.61	8.83	52.0-53.0	0.19	111.77	0.17	98.75
6.0-7.0	3.39	13.38	3.00	11.82	53.0-54.0	0.17	111.94	0.15	98.90
7.0-8.0	3.78	17.16	3.34	15.16	54.0-55.0	0.16	112.10	0.14	99.04
8.0-9.0	4.11	21.27	3.63	18.79	55.0-56.0	0.14	112.24	0.12	99.17
9.0-10.0	4.38	25.65	3.87	22.66	56.0-57.0	0.12	112.36	0.11	99.28
10.0-11.0	4.58	30.22	4.05	26.70	57.0-58.0	0.11	112.47	0.10	99.37
11.0-12.0	4.72	34.94	4.17	30.87	58.0-59.0	0.10	112.57	0.09	99.46
12.0-13.0	4.79	39.72	4.23	35.10	59.0-60.0	0.09	112.65	0.08	99.53
13.0-14.0	4.79	44.52	4.24	39.33	60.0-61.0	0.07	112.73	0.07	99.60
14.0-15.0	4.74	49.26	4.19	43.52	61.0-62.0	0.07	112.79	0.06	99.66
15.0-16.0	4.63	53.89	4.09	47.62	62.0-63.0	0.06	112.85	0.05	99.71
16.0-17.0	4.47	58.37	3.95	51.57	63.0-64.0	0.05	112.90	0.04	99.75
17.0-18.0	4.27	62.64	3.78	55.35	64.0-65.0	0.04	112.94	0.04	99.79
18.0-19.0	4.05	66.69	3.58	58.92	65.0-66.0	0.03	112.97	0.03	99.82
19.0-20.0	3.81	70.50	3.37	62.29	66.0-67.0	0.03	113.00	0.02	99.84
20.0-21.0	3.57	74.08	3.16	65.45	67.0-68.0	0.02	113.02	0.02	99.86
21.0-22.0	3.34	77.41	2.95	68.40	68.0-69.0	0.02	113.04	0.01	99.87
22.0-23.0	3.10	80.51	2.74	71.13	69.0-70.0	0.01	113.05	0.01	99.88
23.0-24.0	2.87	83.38	2.53	73.67	70.0-71.0	0.01	113.05	0.00	99.89
24.0-25.0	2.65	86.02	2.34	76.01	71.0-72.0	0.00	113.05	0.00	99.89
25.0-26.0	2.44	88.46	2.16	78.16	72.0-73.0	0.00	113.05	0.00	99.89
26.0-27.0	2.25	90.71	1.98	80.15	73.0-74.0	0.00	113.05	0.00	99.89
27.0-28.0	2.06	92.77	1.82	81.97	74.0-75.0	0.00	113.05	0.00	99.89
28.0-29.0	1.89	94.67	1.67	83.64	75.0-76.0	0.00	113.05	0.00	99.89
29.0-30.0	1.73	96.40	1.53	85.17	76.0-77.0	0.00	113.05	0.00	99.89
30.0-31.0	1.58	97.98	1.40	86.57	77.0-78.0	0.00	113.05	0.00	99.89
31.0-32.0	1.44	99.43	1.28	87.85	78.0-79.0	0.00	113.05	0.00	99.89
32.0-33.0	1.32	100.74	1.16	89.01	79.0-80.0	0.00	113.05	0.00	99.89
33.0-34.0	1.20	101.94	1.06	90.07	80.0-81.0	0.00	113.05	0.00	99.89
34.0-35.0	1.09	103.03	0.96	91.03	81.0-82.0	0.00	113.05	0.00	99.89
35.0-36.0	0.98	104.01	0.87	91.90	82.0-83.0	0.00	113.05	0.00	99.89
36.0-37.0	0.89	104.90	0.79	92.68	83.0-84.0	0.00	113.05	0.00	99.89
37.0-38.0	0.81	105.71	0.71	93.40	84.0-85.0	0.00	113.05	0.00	99.89
38.0-39.0	0.73	106.44	0.65	94.04	85.0-86.0	0.00	113.05	0.00	99.89
39.0-40.0	0.66	107.10	0.58	94.63	86.0-87.0	0.00	113.05	0.00	99.89
40.0-41.0	0.60	107.70	0.53	95.16	87.0-88.0	0.00	113.05	0.00	99.89
41.0-42.0	0.54	108.24	0.48	95.64	88.0-89.0	0.00	113.05	0.00	99.89
42.0-43.0	0.49	108.73	0.44	96.07	89.0-90.0	0.00	113.05	0.00	99.89
43.0-44.0	0.45	109.18	0.40	96.47	90.0-91.0	0.00	113.05	0.00	99.89
44.0-45.0	0.41	109.59	0.36	96.83	91.0-92.0	0.00	113.05	0.00	99.89
45.0-46.0	0.37	109.96	0.33	97.15	92.0-93.0	0.00	113.05	0.00	99.89
46.0-47.0	0.34	110.30	0.30	97.45	93.0-94.0	0.00	113.05	0.00	99.89

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	113.05	0.00	99.89	141.0-142.0	0.00	113.05	0.00	99.89
95.0-96.0	0.00	113.05	0.00	99.89	142.0-143.0	0.00	113.05	0.00	99.89
96.0-97.0	0.00	113.05	0.00	99.89	143.0-144.0	0.00	113.05	0.00	99.89
97.0-98.0	0.00	113.05	0.00	99.89	144.0-145.0	0.00	113.05	0.00	99.89
98.0-99.0	0.00	113.05	0.00	99.89	145.0-146.0	0.00	113.05	0.00	99.89
99.0-100.0	0.00	113.05	0.00	99.89	146.0-147.0	0.00	113.05	0.00	99.89
100.0-101.0	0.00	113.05	0.00	99.89	147.0-148.0	0.00	113.05	0.00	99.89
101.0-102.0	0.00	113.05	0.00	99.89	148.0-149.0	0.00	113.05	0.00	99.89
102.0-103.0	0.00	113.05	0.00	99.89	149.0-150.0	0.00	113.05	0.00	99.89
103.0-104.0	0.00	113.05	0.00	99.89	150.0-151.0	0.00	113.05	0.00	99.89
104.0-105.0	0.00	113.05	0.00	99.89	151.0-152.0	0.00	113.05	0.00	99.89
105.0-106.0	0.00	113.05	0.00	99.89	152.0-153.0	0.00	113.05	0.00	99.89
106.0-107.0	0.00	113.05	0.00	99.89	153.0-154.0	0.00	113.05	0.00	99.89
107.0-108.0	0.00	113.05	0.00	99.89	154.0-155.0	0.00	113.06	0.00	99.89
108.0-109.0	0.00	113.05	0.00	99.89	155.0-156.0	0.00	113.06	0.00	99.89
109.0-110.0	0.00	113.05	0.00	99.89	156.0-157.0	0.00	113.06	0.00	99.89
110.0-111.0	0.00	113.05	0.00	99.89	157.0-158.0	0.00	113.06	0.00	99.90
111.0-112.0	0.00	113.05	0.00	99.89	158.0-159.0	0.01	113.07	0.00	99.90
112.0-113.0	0.00	113.05	0.00	99.89	159.0-160.0	0.01	113.08	0.01	99.91
113.0-114.0	0.00	113.05	0.00	99.89	160.0-161.0	0.01	113.08	0.01	99.91
114.0-115.0	0.00	113.05	0.00	99.89	161.0-162.0	0.01	113.09	0.01	99.92
115.0-116.0	0.00	113.05	0.00	99.89	162.0-163.0	0.01	113.10	0.01	99.93
116.0-117.0	0.00	113.05	0.00	99.89	163.0-164.0	0.01	113.10	0.01	99.93
117.0-118.0	0.00	113.05	0.00	99.89	164.0-165.0	0.01	113.11	0.01	99.94
118.0-119.0	0.00	113.05	0.00	99.89	165.0-166.0	0.01	113.12	0.01	99.95
119.0-120.0	0.00	113.05	0.00	99.89	166.0-167.0	0.01	113.13	0.01	99.95
120.0-121.0	0.00	113.05	0.00	99.89	167.0-168.0	0.01	113.13	0.01	99.96
121.0-122.0	0.00	113.05	0.00	99.89	168.0-169.0	0.01	113.14	0.01	99.97
122.0-123.0	0.00	113.05	0.00	99.89	169.0-170.0	0.01	113.15	0.01	99.97
123.0-124.0	0.00	113.05	0.00	99.89	170.0-171.0	0.01	113.15	0.01	99.98
124.0-125.0	0.00	113.05	0.00	99.89	171.0-172.0	0.01	113.16	0.00	99.98
125.0-126.0	0.00	113.05	0.00	99.89	172.0-173.0	0.01	113.17	0.00	99.99
126.0-127.0	0.00	113.05	0.00	99.89	173.0-174.0	0.00	113.17	0.00	99.99
127.0-128.0	0.00	113.05	0.00	99.89	174.0-175.0	0.00	113.17	0.00	99.99
128.0-129.0	0.00	113.05	0.00	99.89	175.0-176.0	0.00	113.18	0.00	100.00
129.0-130.0	0.00	113.05	0.00	99.89	176.0-177.0	0.00	113.18	0.00	100.00
130.0-131.0	0.00	113.05	0.00	99.89	177.0-178.0	0.00	113.18	0.00	100.00
131.0-132.0	0.00	113.05	0.00	99.89	178.0-179.0	0.00	113.18	0.00	100.00
132.0-133.0	0.00	113.05	0.00	99.89	179.0-180.0	0.00	113.18	0.00	100.00
133.0-134.0	0.00	113.05	0.00	99.89					
134.0-135.0	0.00	113.05	0.00	99.89					
135.0-136.0	0.00	113.05	0.00	99.89					
136.0-137.0	0.00	113.05	0.00	99.89					
137.0-138.0	0.00	113.05	0.00	99.89					
138.0-139.0	0.00	113.05	0.00	99.89					
139.0-140.0	0.00	113.05	0.00	99.89					
140.0-141.0	0.00	113.05	0.00	99.89					

Rectangle ISO Lighting Intensity Diagram

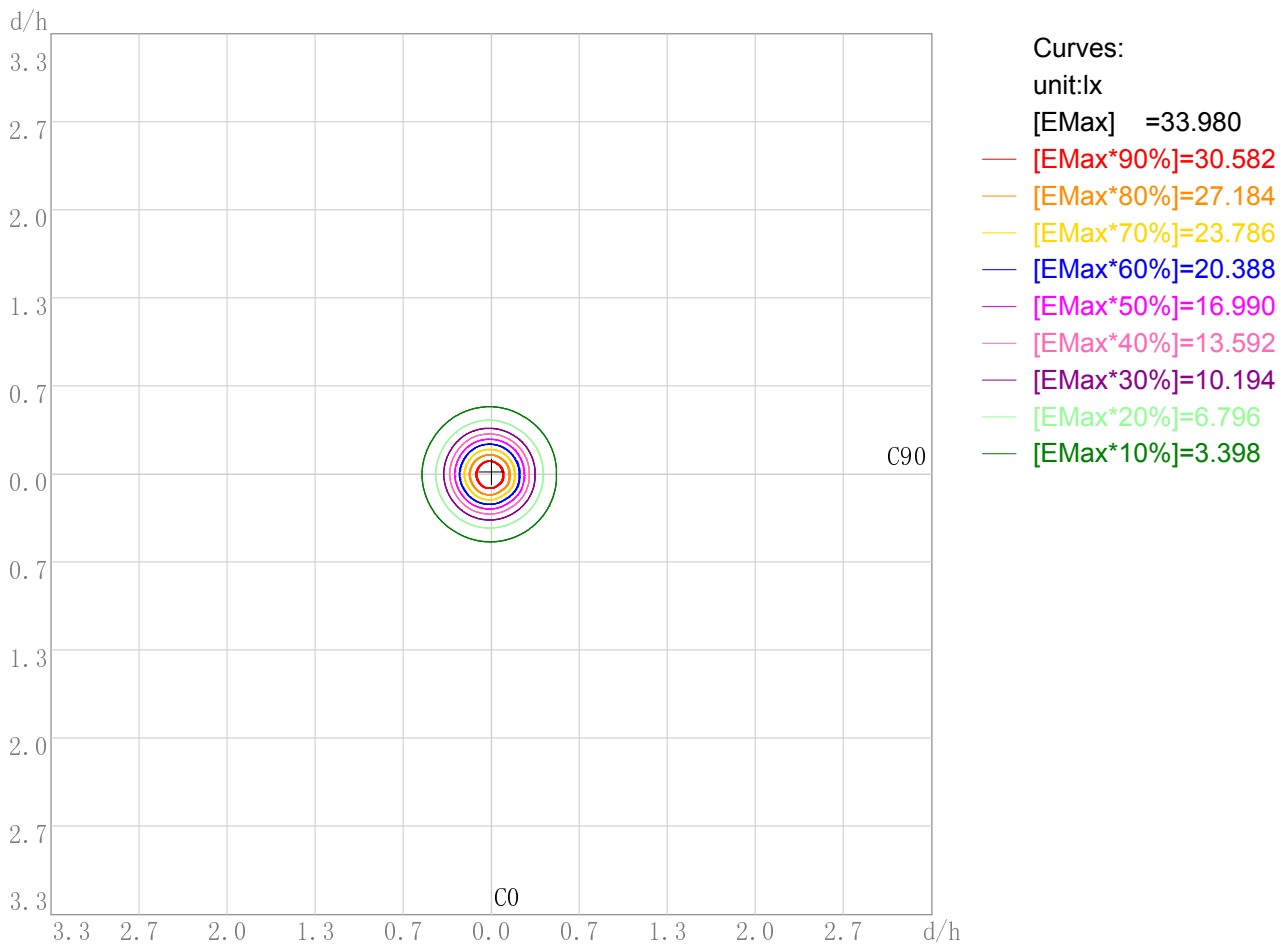
Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23



## Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23

## Plane ISO-Illuminance Curve

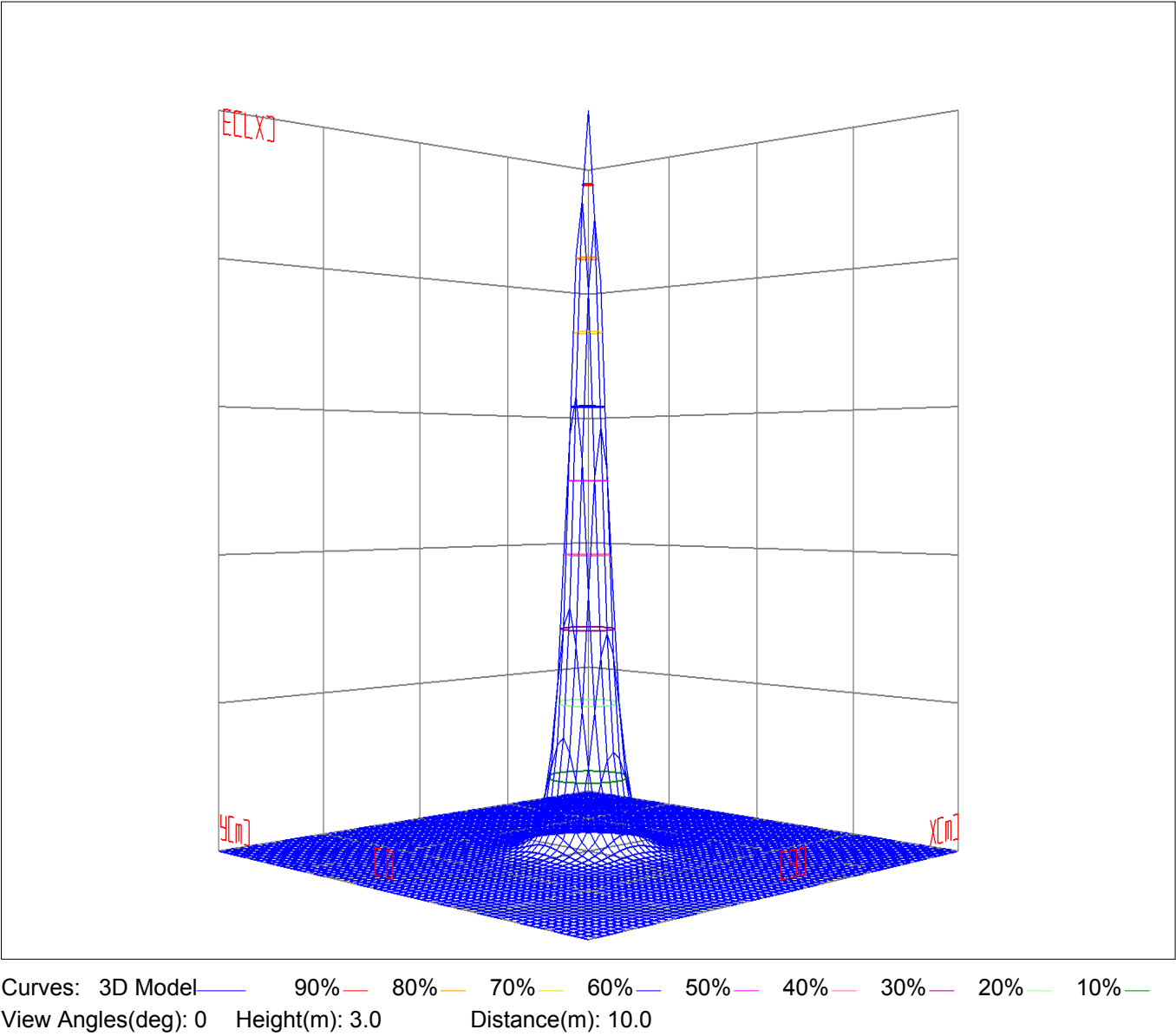


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 33.98  
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23

3D Plane Illuminance Modal

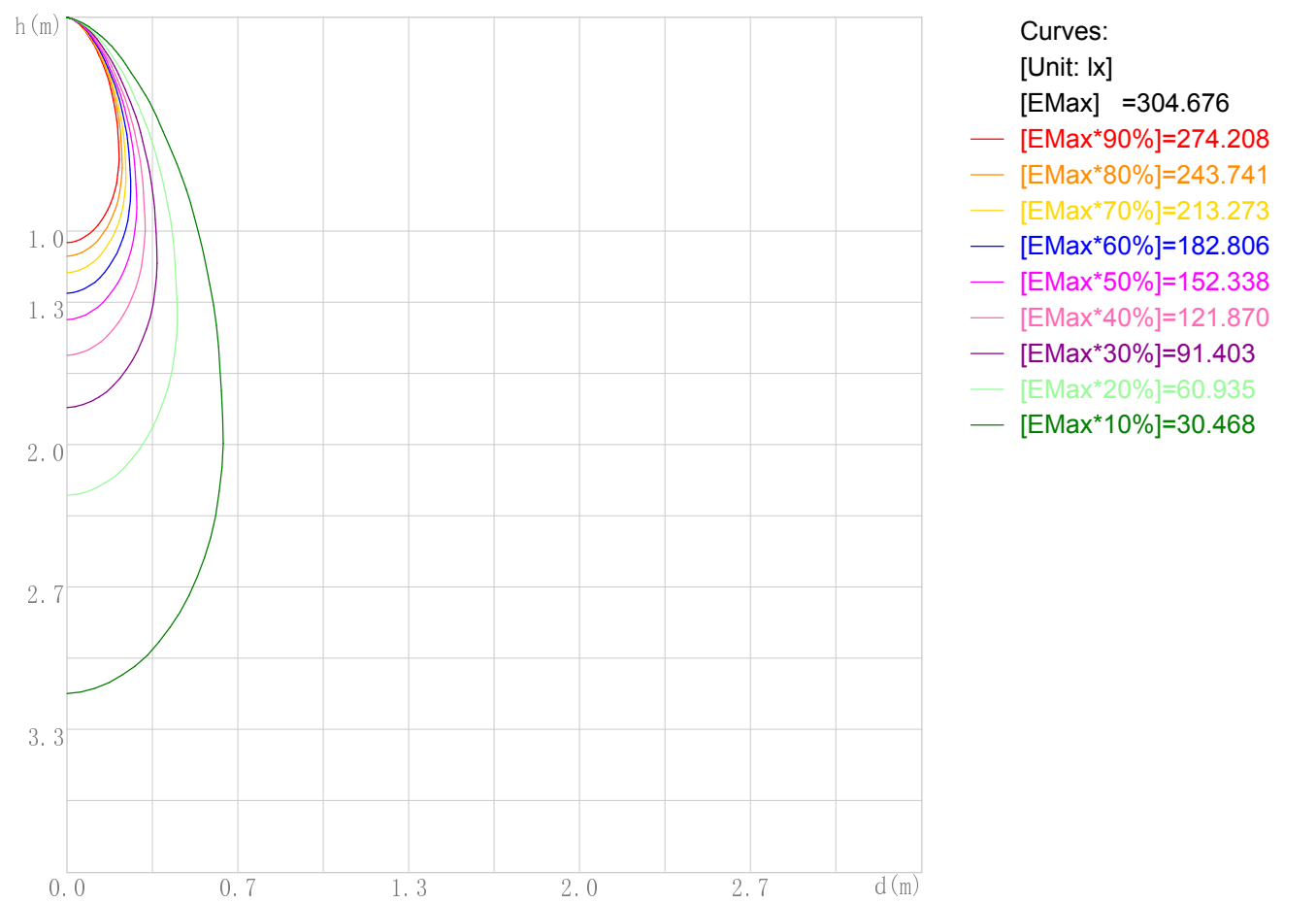




Space ISO Illuminance Diagram

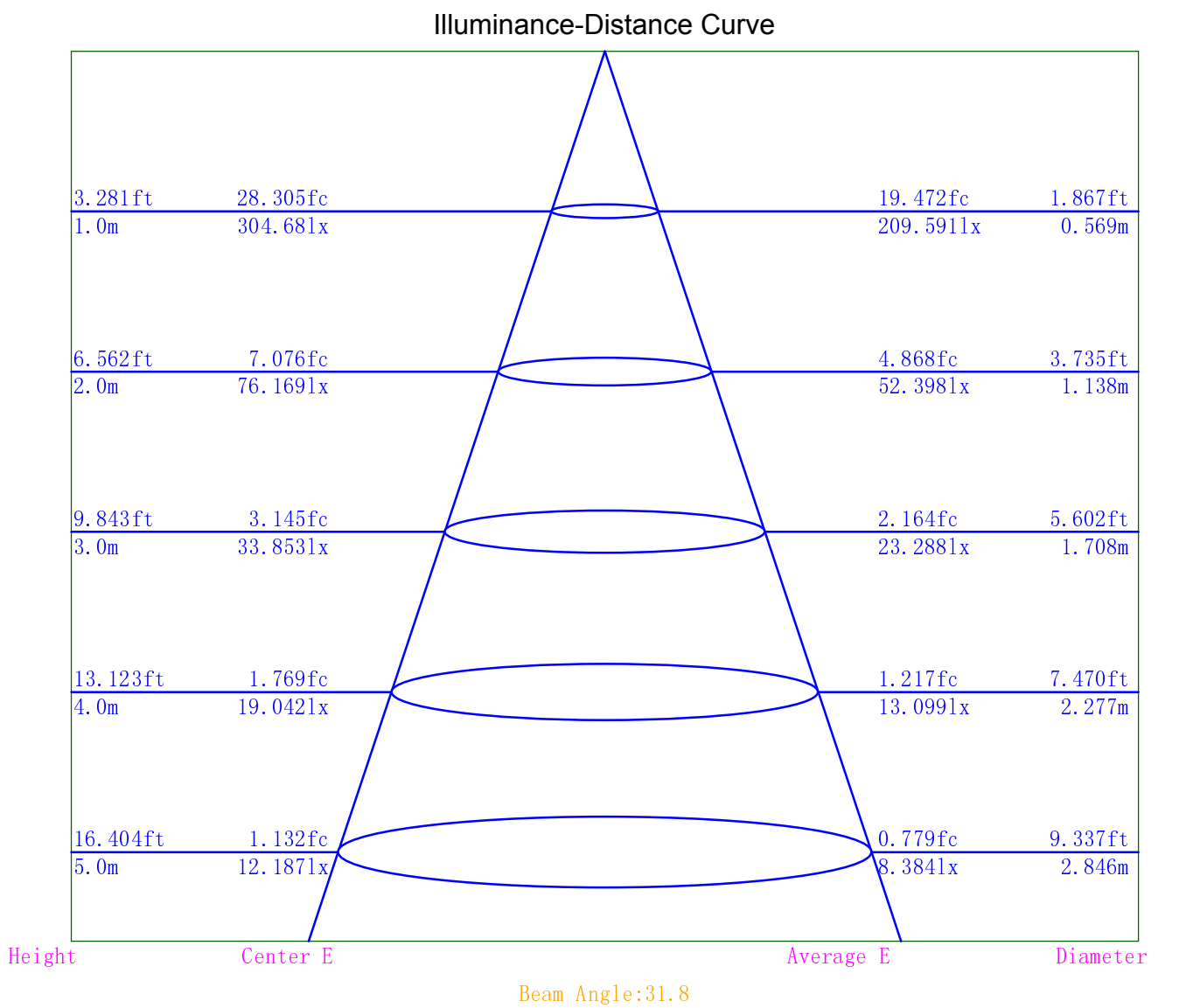
Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23

Space ISO Illuminance Curve



Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23



Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23

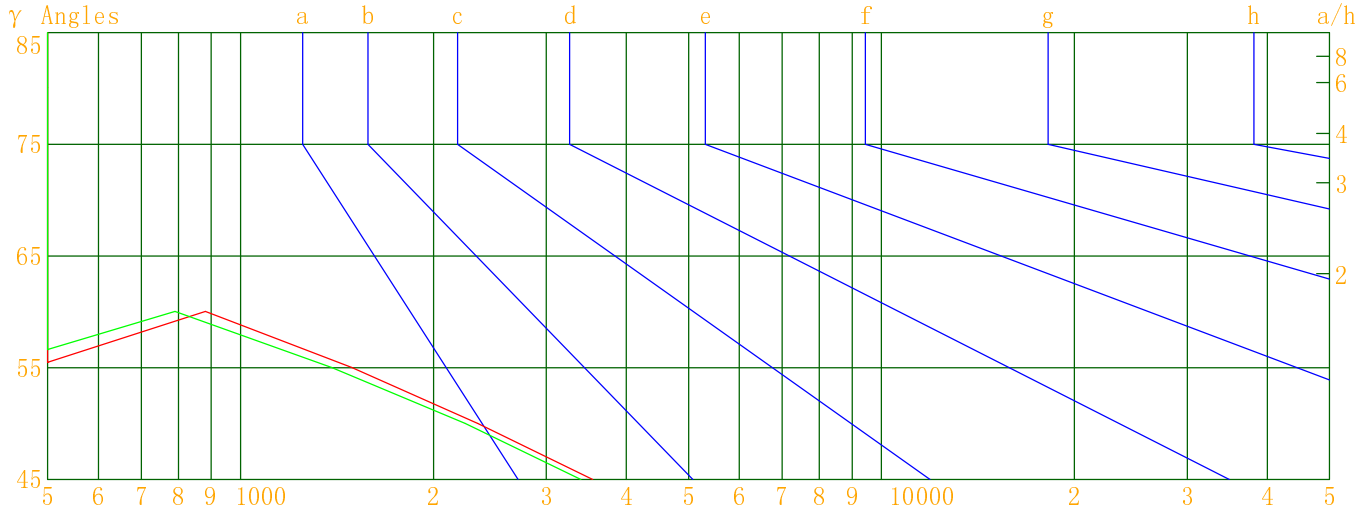
Glare Grade Table

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	3543	2344	1491	881	474	91	0	0	0
C90	3395	2243	1387	790	405	61	0	0	0

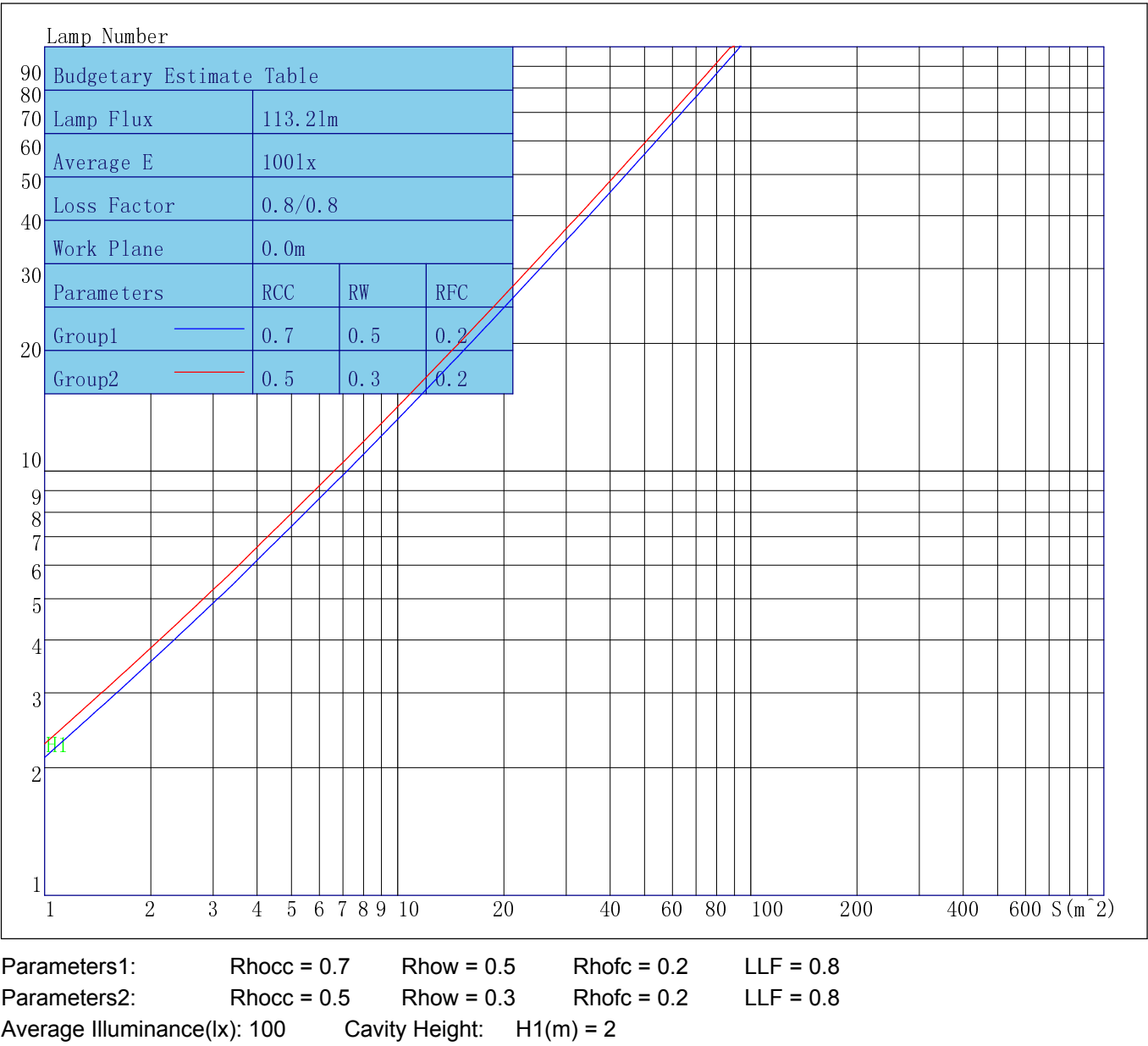
Luminance Limiting Curve



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: —

Indoor Budgetary Estimate Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23



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: 2019/02/23

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	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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90	93	91	89	91	89	87	86
4	101	95	90	86	99	94	89	86	91	88	85	90	86	84	88	85	83	82
5	97	90	85	82	96	89	85	81	87	83	80	86	82	80	84	81	79	78
6	93	86	81	77	92	85	80	77	84	80	77	82	79	76	81	78	76	74
7	90	82	77	74	89	82	77	73	80	76	73	79	75	73	78	75	72	71
8	87	79	74	70	86	78	73	70	77	73	70	76	72	70	75	72	69	68
9	84	76	71	67	83	75	70	67	74	70	67	73	70	67	73	69	67	65
10	81	73	68	65	80	72	68	65	72	67	64	71	67	64	70	67	64	63

Unified Glare Rating Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/02/23

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	10.3	11.3	10.7	11.6	11.9	10.1	11.0	10.4	11.3	11.6
	Y=3H	10.2	11.0	10.5	11.3	11.7	9.9	10.7	10.3	11.1	11.4
	Y=4H	10.1	10.8	10.5	11.2	11.6	9.8	10.5	10.2	10.9	11.3
	Y=6H	9.9	10.6	10.4	11.0	11.4	9.7	10.4	10.1	10.7	11.1
	Y=8H	9.9	10.5	10.3	10.9	11.4	9.6	10.3	10.0	10.7	11.1
	Y=12H	9.8	10.5	10.3	10.8	11.3	9.5	10.2	10.0	10.6	11.0
X=4H	Y=2H	10.1	10.9	10.5	11.2	11.6	9.8	10.6	10.2	11.0	11.4
	Y=3H	9.9	10.5	10.3	10.9	11.4	9.6	10.3	10.1	10.7	11.1
	Y=4H	9.8	10.3	10.2	10.8	11.2	9.5	10.1	10.0	10.5	10.9
	Y=6H	9.7	10.1	10.1	10.6	11.1	9.4	9.9	9.9	10.3	10.8
	Y=8H	9.6	10.0	10.1	10.5	11.0	9.3	9.8	9.8	10.2	10.7
	Y=12H	9.5	9.9	10.0	10.4	10.9	9.3	9.6	9.8	10.1	10.6
X=8H	Y=4H	9.6	10.0	10.1	10.5	11.0	9.3	9.8	9.8	10.2	10.7
	Y=6H	9.5	9.8	10.0	10.3	10.8	9.2	9.5	9.7	10.1	10.6
	Y=8H	9.4	9.7	9.9	10.2	10.7	9.1	9.4	9.7	10.0	10.5
	Y=12H	9.3	9.6	9.9	10.1	10.7	9.1	9.3	9.6	9.8	10.4
X=12H	Y=4H	9.5	9.9	10.0	10.4	10.9	9.3	9.6	9.8	10.1	10.6
	Y=6H	9.4	9.7	9.9	10.2	10.7	9.1	9.4	9.7	9.9	10.5
	Y=8H	9.3	9.6	9.9	10.1	10.7	9.1	9.3	9.6	9.8	10.4
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		6.7/0.0					6.5/0.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.0					0.1				

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

IES Indoor Report

Photometric Filename:UL-1001-45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	304. 68	304. 68	304. 68	304. 68	304. 68	304. 68	304. 68	304. 68	304. 68	304. 68	304. 68	304. 68
γ 1. 0	303. 39	301. 45	300. 98	300. 93	302. 30	302. 98	305. 96	305. 63	305. 58	305. 24	303. 75	302. 86
γ 2. 0	300. 53	297. 52	296. 70	296. 10	298. 48	299. 83	303. 40	304. 09	304. 05	303. 90	301. 96	301. 05
γ 3. 0	296. 38	292. 65	291. 14	290. 84	293. 84	295. 54	299. 81	301. 19	301. 10	300. 71	298. 59	297. 89
γ 4. 0	290. 32	286. 40	284. 92	284. 54	287. 46	290. 21	294. 55	296. 24	296. 67	296. 48	294. 62	293. 81
γ 5. 0	283. 95	278. 66	278. 17	276. 68	281. 12	283. 09	288. 30	290. 90	290. 90	291. 94	289. 33	287. 37
γ 6. 0	275. 67	269. 62	269. 38	268. 15	273. 41	274. 04	280. 97	284. 39	285. 10	286. 06	282. 65	280. 05
γ 7. 0	266. 01	260. 17	259. 82	257. 87	264. 46	264. 76	272. 30	276. 63	277. 61	279. 07	275. 94	271. 67
γ 8. 0	255. 69	250. 34	248. 72	247. 08	254. 00	254. 44	263. 19	267. 37	268. 60	271. 01	267. 27	261. 38
γ 9. 0	244. 63	239. 33	236. 34	235. 15	241. 82	242. 46	252. 63	257. 23	258. 50	260. 73	256. 74	249. 73
γ 10. 0	233. 06	227. 59	222. 76	222. 36	229. 13	228. 44	239. 92	245. 77	246. 80	249. 53	244. 17	238. 30
γ 11. 0	220. 29	214. 57	209. 13	208. 94	215. 40	214. 63	225. 88	232. 65	233. 94	237. 28	231. 45	227. 08
γ 12. 0	207. 71	200. 63	195. 53	194. 90	201. 01	199. 80	210. 83	218. 11	220. 27	223. 74	218. 00	214. 23
γ 13. 0	194. 67	187. 54	181. 40	180. 53	186. 19	185. 04	195. 73	202. 71	205. 76	209. 29	204. 08	201. 02
γ 14. 0	180. 85	174. 49	167. 58	166. 41	171. 21	170. 13	180. 58	187. 16	190. 19	194. 45	189. 96	187. 19
γ 15. 0	166. 18	159. 81	153. 74	152. 51	156. 22	155. 74	165. 38	172. 05	174. 83	178. 84	175. 60	173. 71
γ 16. 0	152. 23	144. 85	139. 89	137. 88	141. 65	141. 37	150. 38	157. 18	159. 53	163. 90	160. 99	159. 95
γ 17. 0	138. 38	130. 40	126. 02	123. 69	127. 62	127. 98	136. 06	142. 03	144. 52	149. 17	146. 62	145. 44
γ 18. 0	123. 61	116. 36	112. 56	110. 46	114. 23	116. 05	122. 66	127. 35	130. 59	134. 87	132. 33	131. 47
γ 19. 0	110. 08	103. 30	100. 69	98. 94	102. 18	104. 46	110. 13	114. 46	117. 50	121. 48	119. 04	117. 76
γ 20. 0	98. 47	91. 40	90. 27	88. 53	91. 16	93. 32	98. 48	102. 60	105. 32	108. 75	106. 44	104. 94
γ 21. 0	88. 83	81. 46	80. 58	78. 97	81. 30	83. 37	87. 75	91. 90	94. 07	97. 19	94. 79	93. 28
γ 22. 0	79. 33	72. 45	71. 87	70. 23	72. 46	74. 46	78. 19	81. 86	83. 96	86. 77	83. 96	82. 60
γ 23. 0	70. 77	64. 29	63. 92	62. 18	64. 43	66. 26	69. 54	72. 78	74. 85	77. 35	73. 91	73. 32
γ 24. 0	62. 67	57. 13	56. 84	54. 93	56. 90	59. 14	62. 15	64. 47	66. 66	68. 72	65. 35	64. 91
γ 25. 0	55. 52	50. 81	50. 35	48. 82	50. 60	52. 92	55. 55	56. 95	59. 07	61. 08	57. 84	57. 37
γ 26. 0	49. 09	45. 25	44. 52	43. 47	45. 17	47. 26	49. 56	50. 36	52. 23	54. 36	51. 30	50. 85
γ 27. 0	43. 57	40. 49	39. 30	38. 69	40. 25	41. 97	44. 02	44. 59	46. 50	48. 27	45. 55	45. 06
γ 28. 0	38. 69	36. 02	34. 75	34. 37	35. 93	37. 24	39. 13	39. 74	41. 47	42. 83	40. 38	39. 84
γ 29. 0	34. 37	31. 71	30. 83	30. 43	31. 92	32. 96	34. 71	35. 43	36. 76	37. 85	35. 90	35. 31
γ 30. 0	30. 42	28. 28	27. 28	26. 87	28. 47	29. 02	30. 83	31. 49	32. 53	33. 43	31. 97	31. 35
γ 31. 0	26. 78	25. 16	24. 12	23. 84	25. 40	25. 67	27. 25	27. 92	28. 78	29. 56	28. 39	27. 66
γ 32. 0	23. 51	22. 24	21. 40	21. 24	22. 62	22. 86	24. 32	24. 67	25. 41	26. 16	25. 16	24. 58
γ 33. 0	20. 56	19. 69	19. 01	18. 88	20. 14	20. 40	21. 82	21. 89	22. 41	23. 19	22. 08	21. 68
γ 34. 0	18. 03	17. 48	17. 05	16. 69	17. 89	18. 16	19. 48	19. 52	19. 83	20. 58	19. 39	18. 82
γ 35. 0	15. 90	15. 34	15. 19	14. 76	15. 86	16. 26	17. 17	17. 50	17. 54	18. 03	17. 06	16. 39
γ 36. 0	14. 20	13. 58	13. 54	13. 10	14. 06	14. 39	15. 15	15. 47	15. 52	15. 66	14. 85	14. 19
γ 37. 0	12. 77	12. 21	12. 04	11. 72	12. 49	12. 65	13. 33	13. 72	13. 68	13. 54	13. 02	12. 47
γ 38. 0	11. 52	10. 94	10. 79	10. 50	11. 29	11. 23	11. 72	12. 24	11. 76	11. 79	11. 28	11. 21
γ 39. 0	10. 25	9. 74	9. 68	9. 44	10. 14	10. 01	10. 30	10. 84	10. 19	10. 38	9. 75	9. 99
γ 40. 0	9. 02	8. 80	8. 57	8. 39	8. 98	9. 00	9. 18	9. 55	8. 94	9. 15	8. 60	8. 77
γ 41. 0	7. 94	8. 06	7. 57	7. 51	7. 91	8. 09	8. 24	8. 36	7. 95	8. 16	7. 57	7. 64
γ 42. 0	7. 02	7. 21	6. 68	6. 76	7. 13	7. 27	7. 40	7. 30	7. 15	7. 24	6. 65	6. 74
γ 43. 0	6. 17	6. 51	5. 94	6. 05	6. 48	6. 47	6. 60	6. 47	6. 35	6. 42	5. 95	6. 10
γ 44. 0	5. 48	5. 89	5. 37	5. 33	5. 82	5. 67	5. 86	5. 83	5. 64	5. 71	5. 36	5. 37
γ 45. 0	4. 92	5. 22	4. 82	4. 71	5. 12	4. 97	5. 17	5. 18	4. 96	5. 03	4. 83	4. 72
γ 46. 0	4. 45	4. 61	4. 38	4. 29	4. 60	4. 42	4. 65	4. 69	4. 46	4. 46	4. 31	4. 18

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	4. 04	4. 10	3. 99	3. 87	4. 09	3. 89	4. 18	4. 24	4. 01	3. 93	3. 92	3. 78
γ 48. 0	3. 66	3. 69	3. 58	3. 47	3. 60	3. 51	3. 73	3. 82	3. 55	3. 49	3. 50	3. 40
γ 49. 0	3. 30	3. 34	3. 21	3. 13	3. 21	3. 13	3. 27	3. 42	3. 16	3. 14	3. 09	3. 09
γ 50. 0	2. 96	3. 00	2. 89	2. 83	2. 86	2. 82	2. 94	3. 08	2. 85	2. 82	2. 74	2. 78
γ 51. 0	2. 67	2. 72	2. 61	2. 52	2. 54	2. 53	2. 66	2. 73	2. 57	2. 55	2. 42	2. 48
γ 52. 0	2. 41	2. 42	2. 32	2. 25	2. 28	2. 27	2. 39	2. 44	2. 32	2. 29	2. 18	2. 21
γ 53. 0	2. 13	2. 15	2. 07	2. 02	2. 03	2. 02	2. 14	2. 18	2. 10	2. 07	1. 95	1. 99
γ 54. 0	1. 90	1. 91	1. 82	1. 78	1. 81	1. 79	1. 92	1. 97	1. 89	1. 85	1. 73	1. 77
γ 55. 0	1. 68	1. 71	1. 60	1. 56	1. 60	1. 60	1. 71	1. 75	1. 69	1. 65	1. 55	1. 56
γ 56. 0	1. 48	1. 49	1. 41	1. 37	1. 40	1. 41	1. 51	1. 57	1. 50	1. 46	1. 38	1. 38
γ 57. 0	1. 29	1. 30	1. 22	1. 20	1. 22	1. 24	1. 35	1. 39	1. 34	1. 30	1. 21	1. 21
γ 58. 0	1. 13	1. 13	1. 08	1. 03	1. 07	1. 07	1. 18	1. 24	1. 17	1. 14	1. 05	1. 05
γ 59. 0	0. 98	0. 98	0. 95	0. 90	0. 93	0. 92	1. 03	1. 08	1. 03	1. 01	0. 91	0. 91
γ 60. 0	0. 87	0. 84	0. 82	0. 78	0. 80	0. 81	0. 89	0. 95	0. 90	0. 87	0. 78	0. 79
γ 61. 0	0. 76	0. 72	0. 71	0. 67	0. 69	0. 69	0. 77	0. 81	0. 77	0. 75	0. 68	0. 68
γ 62. 0	0. 65	0. 62	0. 59	0. 57	0. 59	0. 61	0. 65	0. 70	0. 68	0. 65	0. 58	0. 61
γ 63. 0	0. 55	0. 54	0. 50	0. 48	0. 50	0. 52	0. 56	0. 60	0. 59	0. 56	0. 49	0. 49
γ 64. 0	0. 47	0. 44	0. 41	0. 41	0. 43	0. 43	0. 50	0. 51	0. 50	0. 48	0. 42	0. 43
γ 65. 0	0. 39	0. 37	0. 34	0. 34	0. 35	0. 35	0. 41	0. 43	0. 42	0. 40	0. 35	0. 35
γ 66. 0	0. 31	0. 31	0. 27	0. 26	0. 29	0. 29	0. 33	0. 37	0. 34	0. 33	0. 28	0. 28
γ 67. 0	0. 24	0. 23	0. 22	0. 20	0. 22	0. 23	0. 26	0. 30	0. 28	0. 27	0. 22	0. 21
γ 68. 0	0. 18	0. 17	0. 15	0. 15	0. 18	0. 17	0. 21	0. 23	0. 22	0. 21	0. 16	0. 17
γ 69. 0	0. 12	0. 10	0. 09	0. 10	0. 12	0. 12	0. 15	0. 17	0. 17	0. 16	0. 11	0. 12
γ 70. 0	0. 06	0. 05	0. 05	0. 04	0. 07	0. 08	0. 09	0. 12	0. 11	0. 10	0. 06	0. 07
γ 71. 0	0. 01	0. 00	0. 00	0. 00	0. 01	0. 02	0. 04	0. 07	0. 06	0. 04	0. 02	0. 00
γ 72. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 01	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



**Photometric Filename:UL-1001-45度.IES**

## Candela Tabulation - (Cont.)

[illegible]

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 146.0	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 147.0	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 148.0	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 149.0	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 150.0	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 151.0	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 152.0	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 153.0	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 154.0	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00
γ 155.0	0.02	0.03	0.03	0.04	0.03	0.03	0.05	0.02	0.02	0.02	0.03	0.05
γ 156.0	0.06	0.06	0.06	0.08	0.06	0.06	0.07	0.06	0.05	0.05	0.06	0.06
γ 157.0	0.09	0.10	0.09	0.10	0.08	0.07	0.09	0.09	0.08	0.08	0.09	0.09
γ 158.0	0.11	0.12	0.11	0.12	0.12	0.11	0.14	0.13	0.11	0.10	0.11	0.12
γ 159.0	0.14	0.15	0.15	0.14	0.16	0.14	0.16	0.16	0.14	0.13	0.15	0.14
γ 160.0	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.17	0.17	0.16	0.17	0.17
γ 161.0	0.18	0.20	0.19	0.19	0.19	0.19	0.21	0.20	0.19	0.18	0.19	0.19
γ 162.0	0.21	0.21	0.21	0.21	0.21	0.22	0.23	0.21	0.22	0.21	0.22	0.22
γ 163.0	0.22	0.24	0.23	0.24	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.26
γ 164.0	0.25	0.25	0.25	0.25	0.25	0.25	0.27	0.25	0.26	0.24	0.26	0.26
γ 165.0	0.27	0.27	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.29
γ 166.0	0.29	0.28	0.29	0.29	0.28	0.28	0.29	0.29	0.29	0.29	0.28	0.30
γ 167.0	0.29	0.30	0.29	0.29	0.29	0.29	0.31	0.30	0.29	0.31	0.30	0.31
γ 168.0	0.31	0.32	0.31	0.31	0.31	0.31	0.32	0.31	0.31	0.32	0.32	0.32
γ 169.0	0.33	0.32	0.31	0.32	0.33	0.31	0.32	0.33	0.33	0.31	0.33	0.33
γ 170.0	0.34	0.34	0.33	0.32	0.33	0.33	0.34	0.33	0.33	0.35	0.34	0.34
γ 171.0	0.36	0.34	0.34	0.34	0.34	0.34	0.35	0.34	0.34	0.34	0.35	0.35
γ 172.0	0.36	0.36	0.34	0.35	0.34	0.35	0.35	0.34	0.35	0.35	0.36	0.35
γ 173.0	0.36	0.36	0.35	0.35	0.35	0.36	0.36	0.35	0.35	0.35	0.35	0.37
γ 174.0	0.37	0.36	0.35	0.35	0.35	0.37	0.37	0.37	0.35	0.37	0.38	0.37
γ 175.0	0.37	0.37	0.37	0.37	0.37	0.36	0.37	0.37	0.36	0.37	0.37	0.38
γ 176.0	0.38	0.38	0.36	0.36	0.38	0.38	0.37	0.37	0.37	0.38	0.37	0.39
γ 177.0	0.39	0.39	0.37	0.37	0.38	0.39	0.38	0.38	0.37	0.38	0.38	0.39
γ 178.0	0.39	0.39	0.38	0.39	0.39	0.38	0.38	0.38	0.38	0.39	0.38	0.38
γ 179.0	0.39	0.39	0.39	0.38	0.39	0.39	0.40	0.39	0.37	0.40	0.38	0.38
γ 180.0	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39