

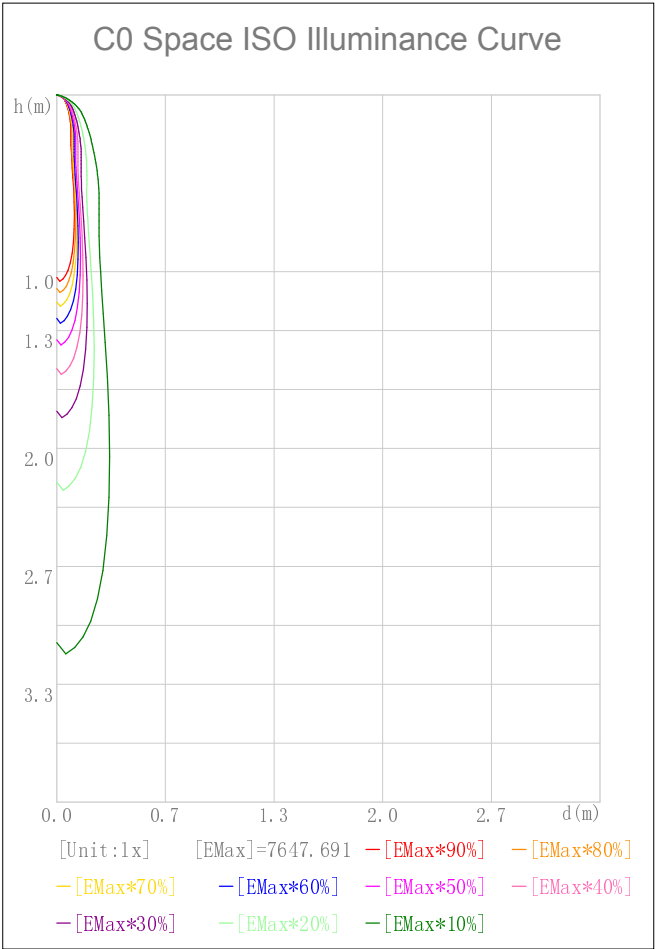
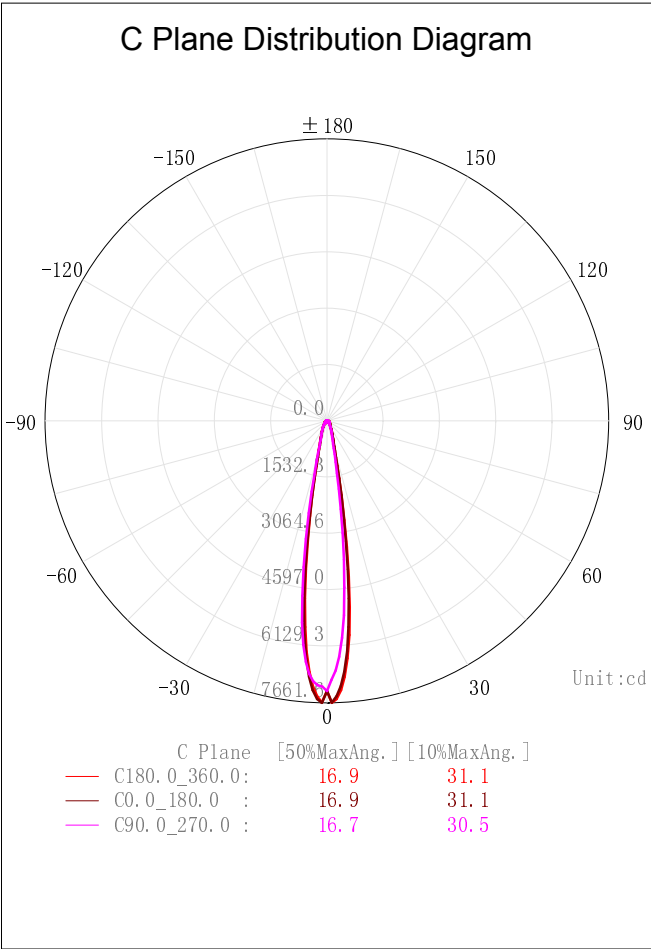
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2019/04/03
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(%):

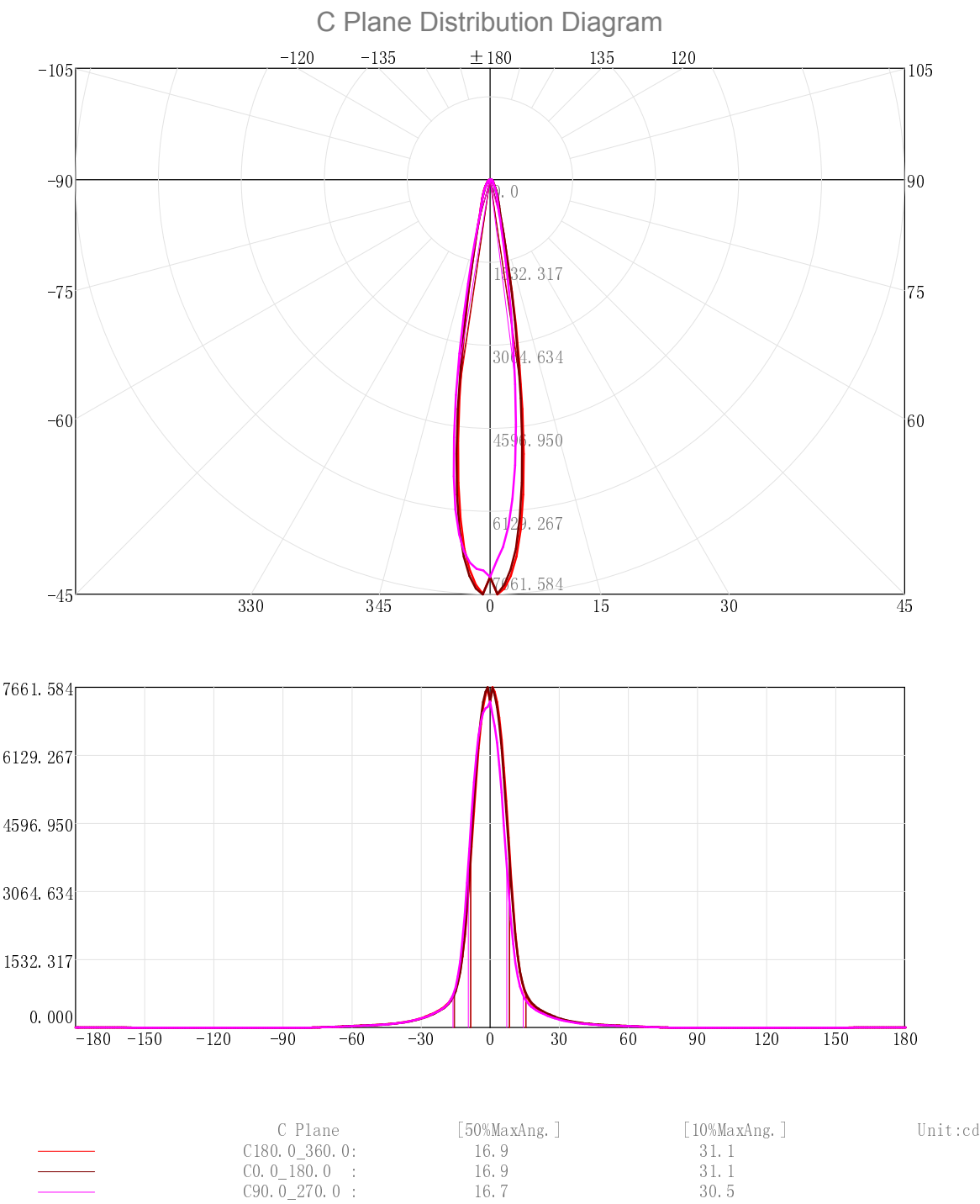
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 1077.530	Luminary Flux(lm): 1077.528	Field Angle(10%Imax): 31.1(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1075.107lm 99.78%
Rated Voltage(V): 12	Luminary EER(lm/W): 68.676	Up Lumens&Percent: 2.421lm 0.22%
Tested Power(W): 15.690	Max. Candela(cd): 7661.584	S/MH: C0_a180=0.298 C90_270=0.287
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):11.6, 1.355	Beam Angle(50%Imax): 16.9(°)	ErP Φ use(90°): 969.612lm
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-8.3°, Right=8.6°	IRF(%): 1524.935



2D Plane Light Intensity Distribution Curve

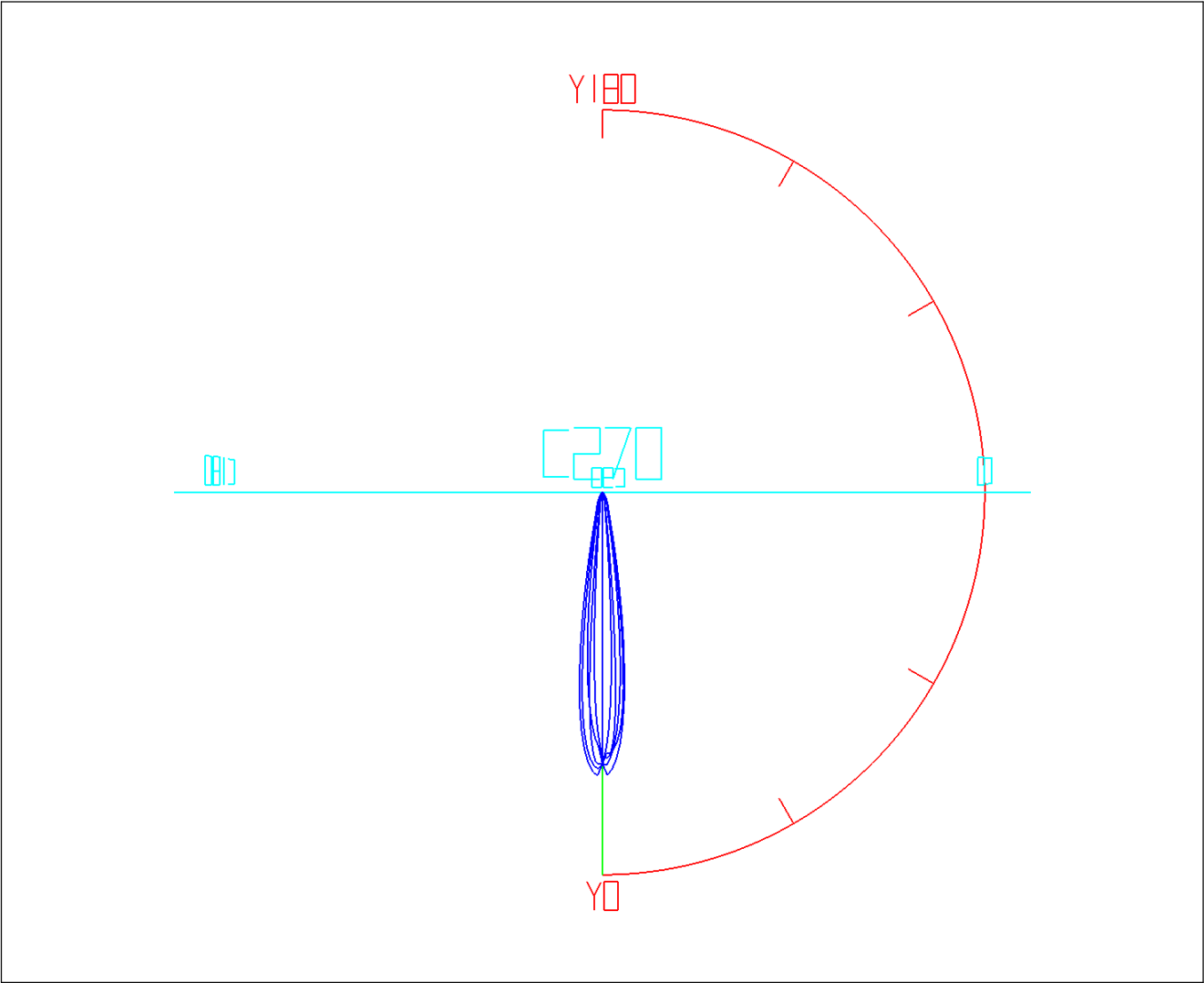
Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/03



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: 2019/04/03

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:SL-15W-COB-1500-A.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	6.97	6.97	0.65	0.65	47.0-48.0	5.24	992.39	0.49	92.10
1.0-2.0	20.57	27.55	1.91	2.56	48.0-49.0	5.08	997.47	0.47	92.57
2.0-3.0	33.37	60.92	3.10	5.65	49.0-50.0	4.92	1002.39	0.46	93.03
3.0-4.0	44.70	105.63	4.15	9.80	50.0-51.0	4.77	1007.16	0.44	93.47
4.0-5.0	53.87	159.50	5.00	14.80	51.0-52.0	4.62	1011.79	0.43	93.90
5.0-6.0	60.14	219.64	5.58	20.38	52.0-53.0	4.48	1016.27	0.42	94.31
6.0-7.0	62.99	282.63	5.85	26.23	53.0-54.0	4.34	1020.60	0.40	94.72
7.0-8.0	62.35	344.97	5.79	32.02	54.0-55.0	4.19	1024.80	0.39	95.11
8.0-9.0	58.71	403.69	5.45	37.46	55.0-56.0	4.06	1028.86	0.38	95.48
9.0-10.0	52.95	456.64	4.91	42.38	56.0-57.0	3.93	1032.79	0.37	95.85
10.0-11.0	46.11	502.75	4.28	46.66	57.0-58.0	3.81	1036.60	0.35	96.20
11.0-12.0	39.24	541.98	3.64	50.30	58.0-59.0	3.66	1040.26	0.34	96.54
12.0-13.0	33.13	575.12	3.08	53.37	59.0-60.0	3.49	1043.75	0.32	96.87
13.0-14.0	28.19	603.30	2.62	55.99	60.0-61.0	3.32	1047.07	0.31	97.17
14.0-15.0	24.43	627.74	2.27	58.26	61.0-62.0	3.13	1050.20	0.29	97.46
15.0-16.0	21.72	649.46	2.02	60.27	62.0-63.0	2.93	1053.13	0.27	97.74
16.0-17.0	19.79	669.25	1.84	62.11	63.0-64.0	2.74	1055.87	0.25	97.99
17.0-18.0	18.41	687.66	1.71	63.82	64.0-65.0	2.54	1058.41	0.24	98.23
18.0-19.0	17.41	705.07	1.62	65.43	65.0-66.0	2.32	1060.73	0.22	98.44
19.0-20.0	16.64	721.71	1.54	66.98	66.0-67.0	2.11	1062.84	0.20	98.64
20.0-21.0	16.01	737.73	1.49	68.46	67.0-68.0	1.91	1064.75	0.18	98.81
21.0-22.0	15.44	753.17	1.43	69.90	68.0-69.0	1.72	1066.48	0.16	98.97
22.0-23.0	14.90	768.07	1.38	71.28	69.0-70.0	1.56	1068.03	0.14	99.12
23.0-24.0	14.36	782.43	1.33	72.61	70.0-71.0	1.40	1069.43	0.13	99.25
24.0-25.0	13.82	796.25	1.28	73.90	71.0-72.0	1.24	1070.66	0.11	99.36
25.0-26.0	13.27	809.52	1.23	75.13	72.0-73.0	1.07	1071.74	0.10	99.46
26.0-27.0	12.73	822.25	1.18	76.31	73.0-74.0	0.91	1072.65	0.08	99.55
27.0-28.0	12.20	834.45	1.13	77.44	74.0-75.0	0.75	1073.40	0.07	99.62
28.0-29.0	11.68	846.13	1.08	78.53	75.0-76.0	0.60	1074.00	0.06	99.67
29.0-30.0	11.17	857.30	1.04	79.56	76.0-77.0	0.46	1074.46	0.04	99.72
30.0-31.0	10.67	867.97	0.99	80.55	77.0-78.0	0.33	1074.79	0.03	99.75
31.0-32.0	10.19	878.16	0.95	81.50	78.0-79.0	0.21	1075.00	0.02	99.77
32.0-33.0	9.73	887.89	0.90	82.40	79.0-80.0	0.09	1075.09	0.01	99.77
33.0-34.0	9.29	897.18	0.86	83.26	80.0-81.0	0.02	1075.11	0.00	99.78
34.0-35.0	8.86	906.04	0.82	84.09	81.0-82.0	0.00	1075.11	0.00	99.78
35.0-36.0	8.46	914.50	0.78	84.87	82.0-83.0	0.00	1075.11	0.00	99.78
36.0-37.0	8.08	922.58	0.75	85.62	83.0-84.0	0.00	1075.11	0.00	99.78
37.0-38.0	7.72	930.30	0.72	86.34	84.0-85.0	0.00	1075.11	0.00	99.78
38.0-39.0	7.39	937.69	0.69	87.02	85.0-86.0	0.00	1075.11	0.00	99.78
39.0-40.0	7.08	944.77	0.66	87.68	86.0-87.0	0.00	1075.11	0.00	99.78
40.0-41.0	6.79	951.56	0.63	88.31	87.0-88.0	0.00	1075.11	0.00	99.78
41.0-42.0	6.52	958.08	0.60	88.91	88.0-89.0	0.00	1075.11	0.00	99.78
42.0-43.0	6.26	964.34	0.58	89.50	89.0-90.0	0.00	1075.11	0.00	99.78
43.0-44.0	6.02	970.35	0.56	90.05	90.0-91.0	0.00	1075.11	0.00	99.78
44.0-45.0	5.80	976.15	0.54	90.59	91.0-92.0	0.00	1075.11	0.00	99.78
45.0-46.0	5.59	981.74	0.52	91.11	92.0-93.0	0.00	1075.11	0.00	99.78
46.0-47.0	5.41	987.15	0.50	91.61	93.0-94.0	0.00	1075.11	0.00	99.78

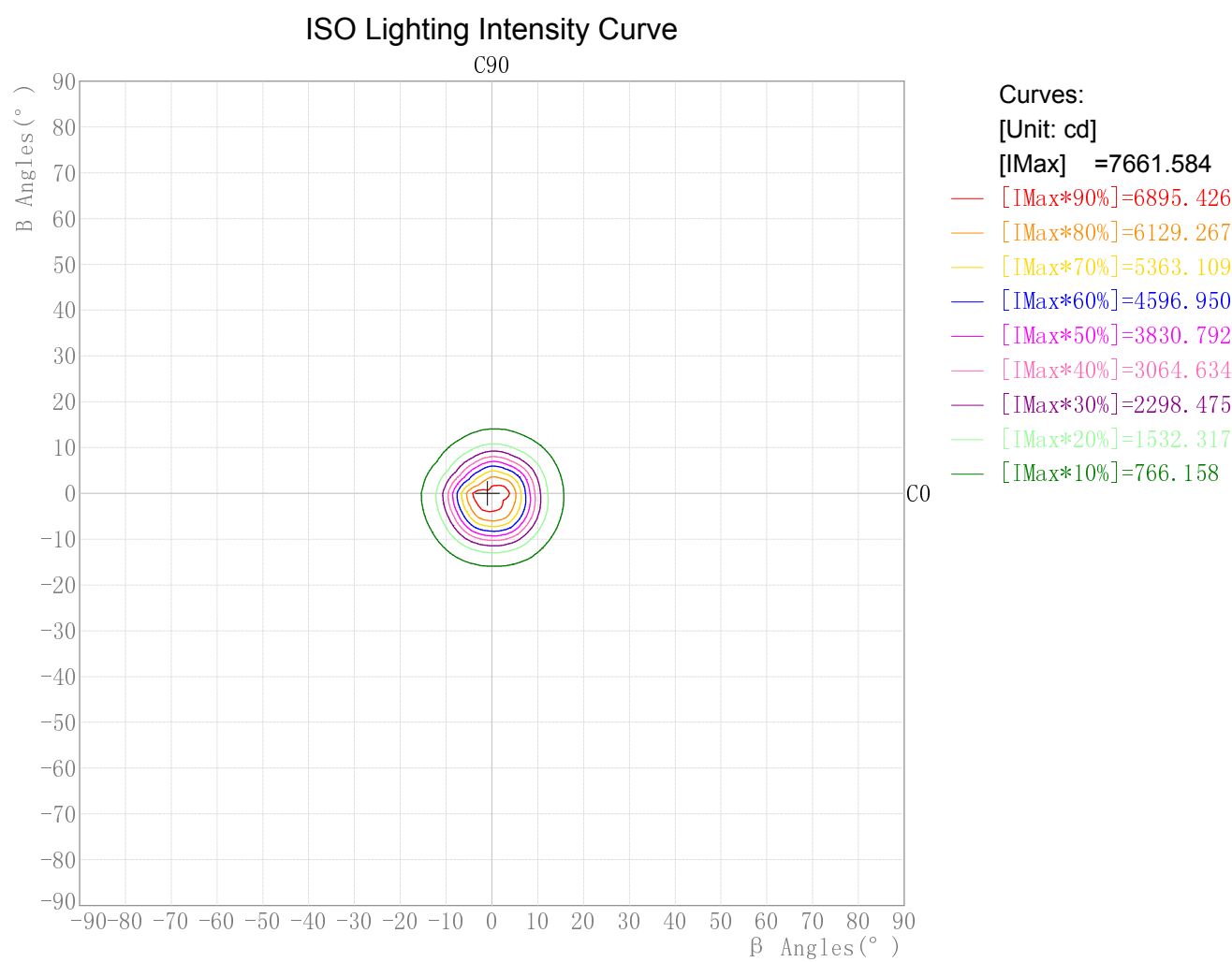
Photometric Filename:SL-15W-COB-1500-A.IES

Zonal Flux Tabulation - (Cont.)

Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.00	1075.11	0.00	99.78	141.0-142.0	0.00	1075.11	0.00	99.78
95.0-96.0	0.00	1075.11	0.00	99.78	142.0-143.0	0.00	1075.11	0.00	99.78
96.0-97.0	0.00	1075.11	0.00	99.78	143.0-144.0	0.00	1075.11	0.00	99.78
97.0-98.0	0.00	1075.11	0.00	99.78	144.0-145.0	0.00	1075.11	0.00	99.78
98.0-99.0	0.00	1075.11	0.00	99.78	145.0-146.0	0.00	1075.11	0.00	99.78
99.0-100.0	0.00	1075.11	0.00	99.78	146.0-147.0	0.00	1075.11	0.00	99.78
100.0-101.0	0.00	1075.11	0.00	99.78	147.0-148.0	0.00	1075.11	0.00	99.78
101.0-102.0	0.00	1075.11	0.00	99.78	148.0-149.0	0.00	1075.11	0.00	99.78
102.0-103.0	0.00	1075.11	0.00	99.78	149.0-150.0	0.00	1075.11	0.00	99.78
103.0-104.0	0.00	1075.11	0.00	99.78	150.0-151.0	0.01	1075.12	0.00	99.78
104.0-105.0	0.00	1075.11	0.00	99.78	151.0-152.0	0.02	1075.14	0.00	99.78
105.0-106.0	0.00	1075.11	0.00	99.78	152.0-153.0	0.04	1075.18	0.00	99.78
106.0-107.0	0.00	1075.11	0.00	99.78	153.0-154.0	0.06	1075.25	0.01	99.79
107.0-108.0	0.00	1075.11	0.00	99.78	154.0-155.0	0.08	1075.33	0.01	99.80
108.0-109.0	0.00	1075.11	0.00	99.78	155.0-156.0	0.10	1075.43	0.01	99.80
109.0-110.0	0.00	1075.11	0.00	99.78	156.0-157.0	0.11	1075.54	0.01	99.82
110.0-111.0	0.00	1075.11	0.00	99.78	157.0-158.0	0.12	1075.66	0.01	99.83
111.0-112.0	0.00	1075.11	0.00	99.78	158.0-159.0	0.13	1075.79	0.01	99.84
112.0-113.0	0.00	1075.11	0.00	99.78	159.0-160.0	0.13	1075.92	0.01	99.85
113.0-114.0	0.00	1075.11	0.00	99.78	160.0-161.0	0.14	1076.06	0.01	99.86
114.0-115.0	0.00	1075.11	0.00	99.78	161.0-162.0	0.14	1076.20	0.01	99.88
115.0-116.0	0.00	1075.11	0.00	99.78	162.0-163.0	0.14	1076.33	0.01	99.89
116.0-117.0	0.00	1075.11	0.00	99.78	163.0-164.0	0.13	1076.46	0.01	99.90
117.0-118.0	0.00	1075.11	0.00	99.78	164.0-165.0	0.13	1076.59	0.01	99.91
118.0-119.0	0.00	1075.11	0.00	99.78	165.0-166.0	0.12	1076.71	0.01	99.92
119.0-120.0	0.00	1075.11	0.00	99.78	166.0-167.0	0.11	1076.83	0.01	99.93
120.0-121.0	0.00	1075.11	0.00	99.78	167.0-168.0	0.11	1076.93	0.01	99.94
121.0-122.0	0.00	1075.11	0.00	99.78	168.0-169.0	0.10	1077.03	0.01	99.95
122.0-123.0	0.00	1075.11	0.00	99.78	169.0-170.0	0.09	1077.12	0.01	99.96
123.0-124.0	0.00	1075.11	0.00	99.78	170.0-171.0	0.08	1077.20	0.01	99.97
124.0-125.0	0.00	1075.11	0.00	99.78	171.0-172.0	0.07	1077.28	0.01	99.98
125.0-126.0	0.00	1075.11	0.00	99.78	172.0-173.0	0.06	1077.34	0.01	99.98
126.0-127.0	0.00	1075.11	0.00	99.78	173.0-174.0	0.05	1077.39	0.00	99.99
127.0-128.0	0.00	1075.11	0.00	99.78	174.0-175.0	0.04	1077.43	0.00	99.99
128.0-129.0	0.00	1075.11	0.00	99.78	175.0-176.0	0.03	1077.47	0.00	99.99
129.0-130.0	0.00	1075.11	0.00	99.78	176.0-177.0	0.03	1077.49	0.00	100.00
130.0-131.0	0.00	1075.11	0.00	99.78	177.0-178.0	0.02	1077.51	0.00	100.00
131.0-132.0	0.00	1075.11	0.00	99.78	178.0-179.0	0.01	1077.52	0.00	100.00
132.0-133.0	0.00	1075.11	0.00	99.78	179.0-180.0	0.00	1077.53	0.00	100.00
133.0-134.0	0.00	1075.11	0.00	99.78					
134.0-135.0	0.00	1075.11	0.00	99.78					
135.0-136.0	0.00	1075.11	0.00	99.78					
136.0-137.0	0.00	1075.11	0.00	99.78					
137.0-138.0	0.00	1075.11	0.00	99.78					
138.0-139.0	0.00	1075.11	0.00	99.78					
139.0-140.0	0.00	1075.11	0.00	99.78					
140.0-141.0	0.00	1075.11	0.00	99.78					

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: 2019/04/03

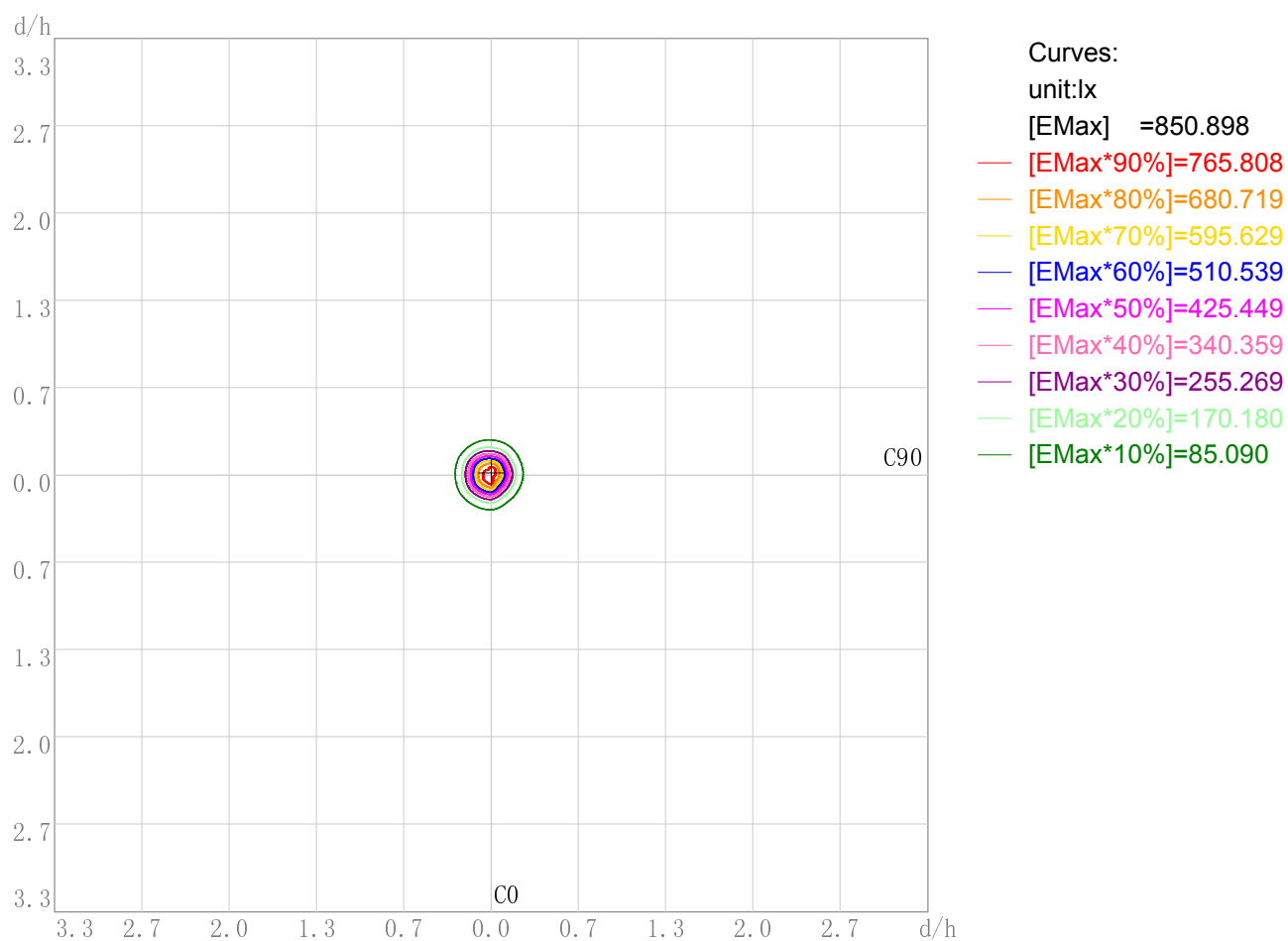


Photometric Filename:SL-15W-COB-1500-A.IES

Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/03

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

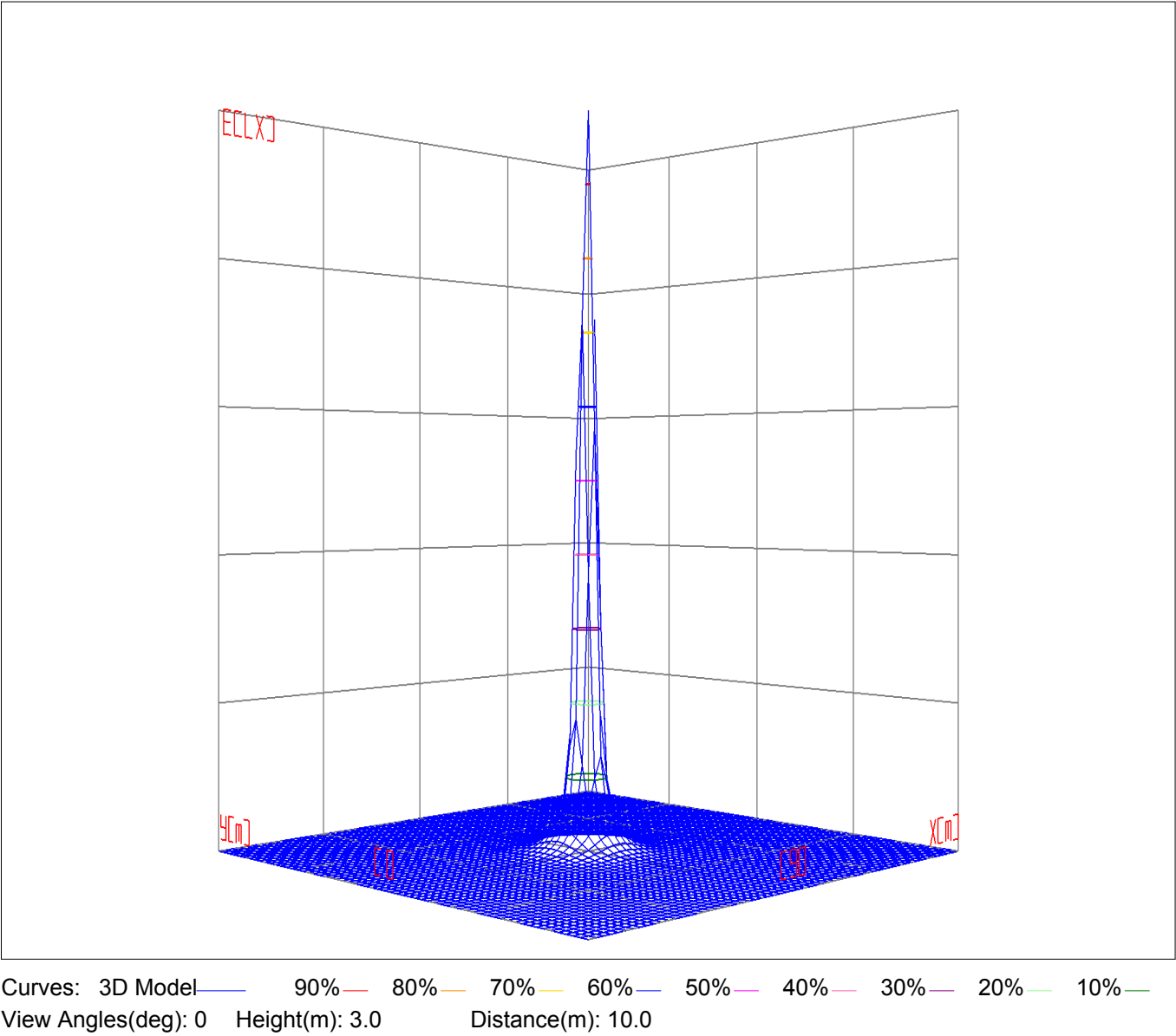
Working Plane Maximum Illuminance(lx): 850.90

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: 2019/04/03

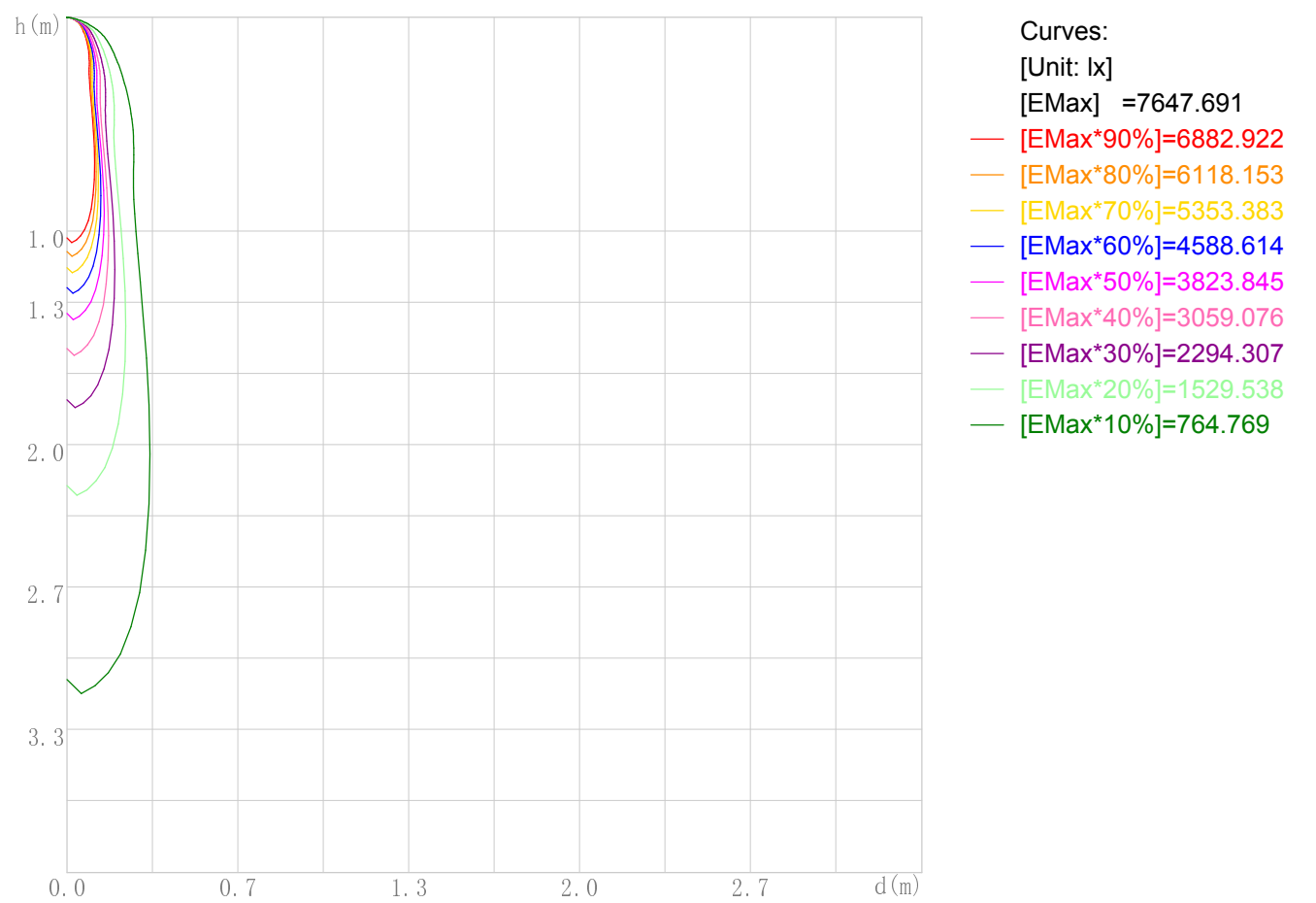
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/03

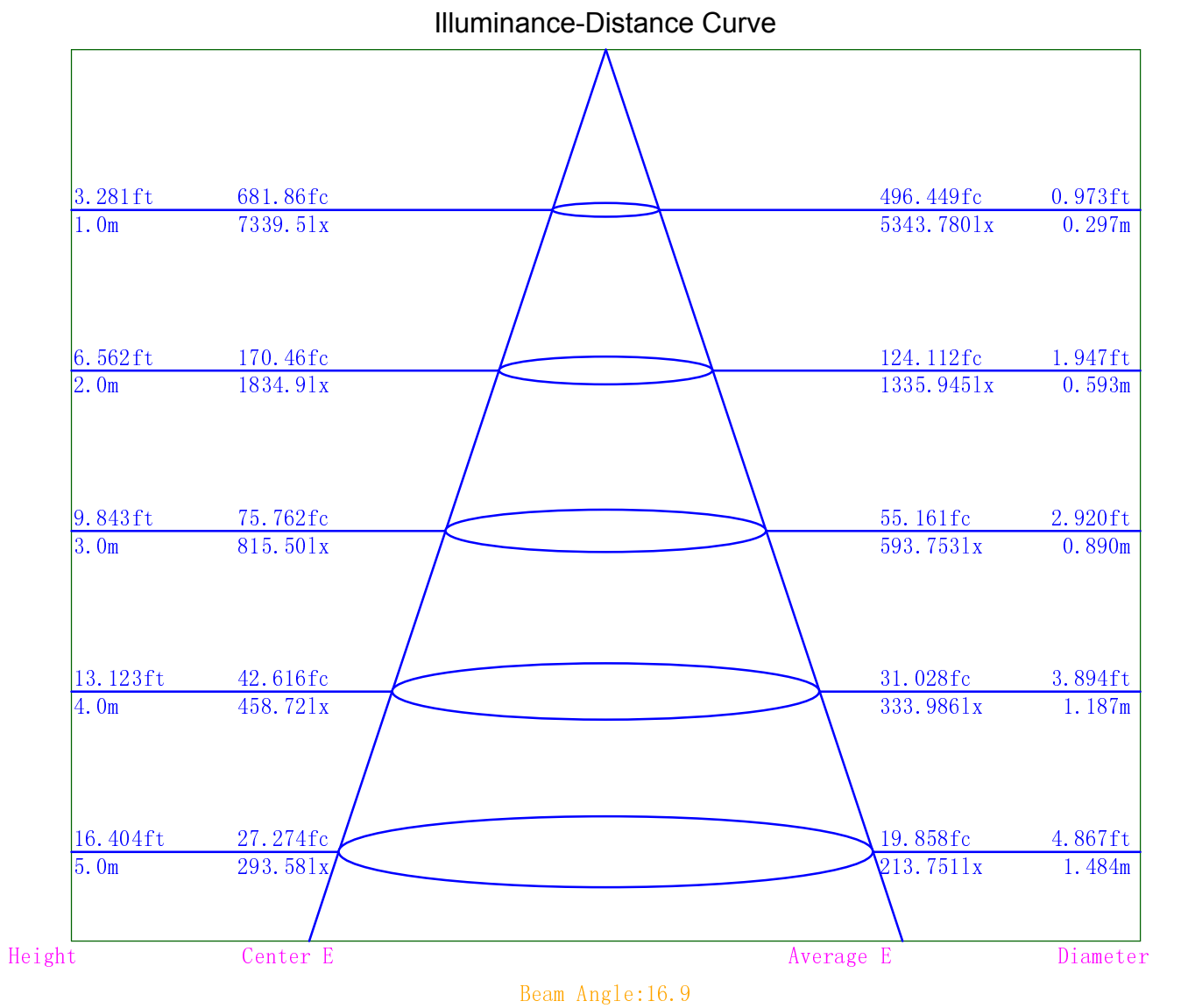
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:7647.69lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:7651.186cd,0deg

Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/03



Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/03

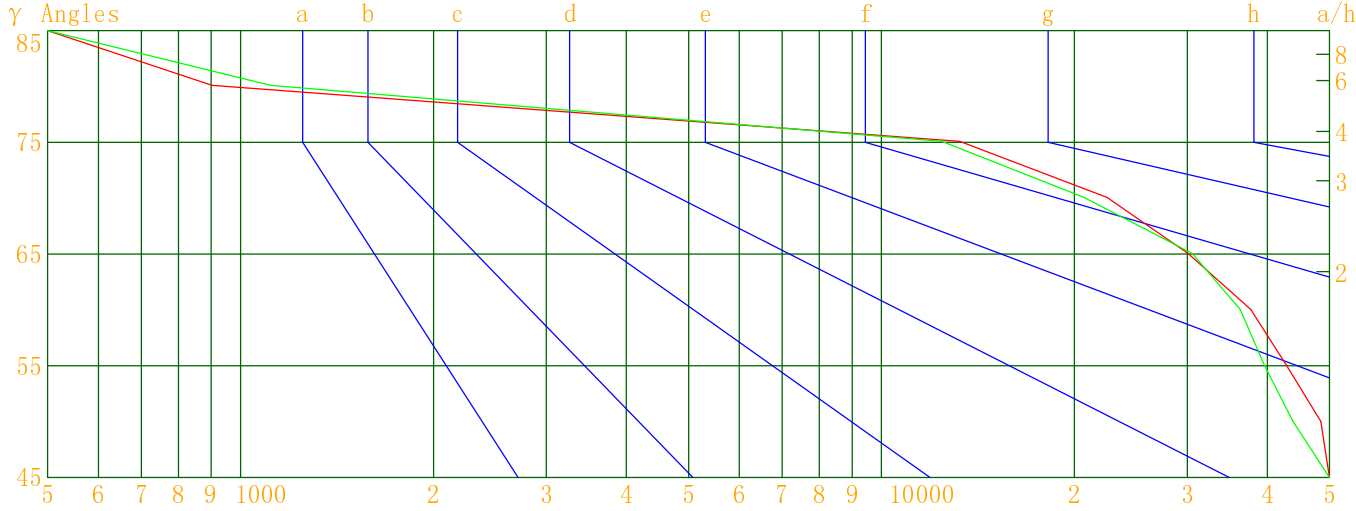
Glare Grade Table

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	56521	48451	42854	37676	30090	22479	13253	903	0
C90	50322	43872	39589	36296	30521	20701	12424	1115	0

Luminance Limiting Curve



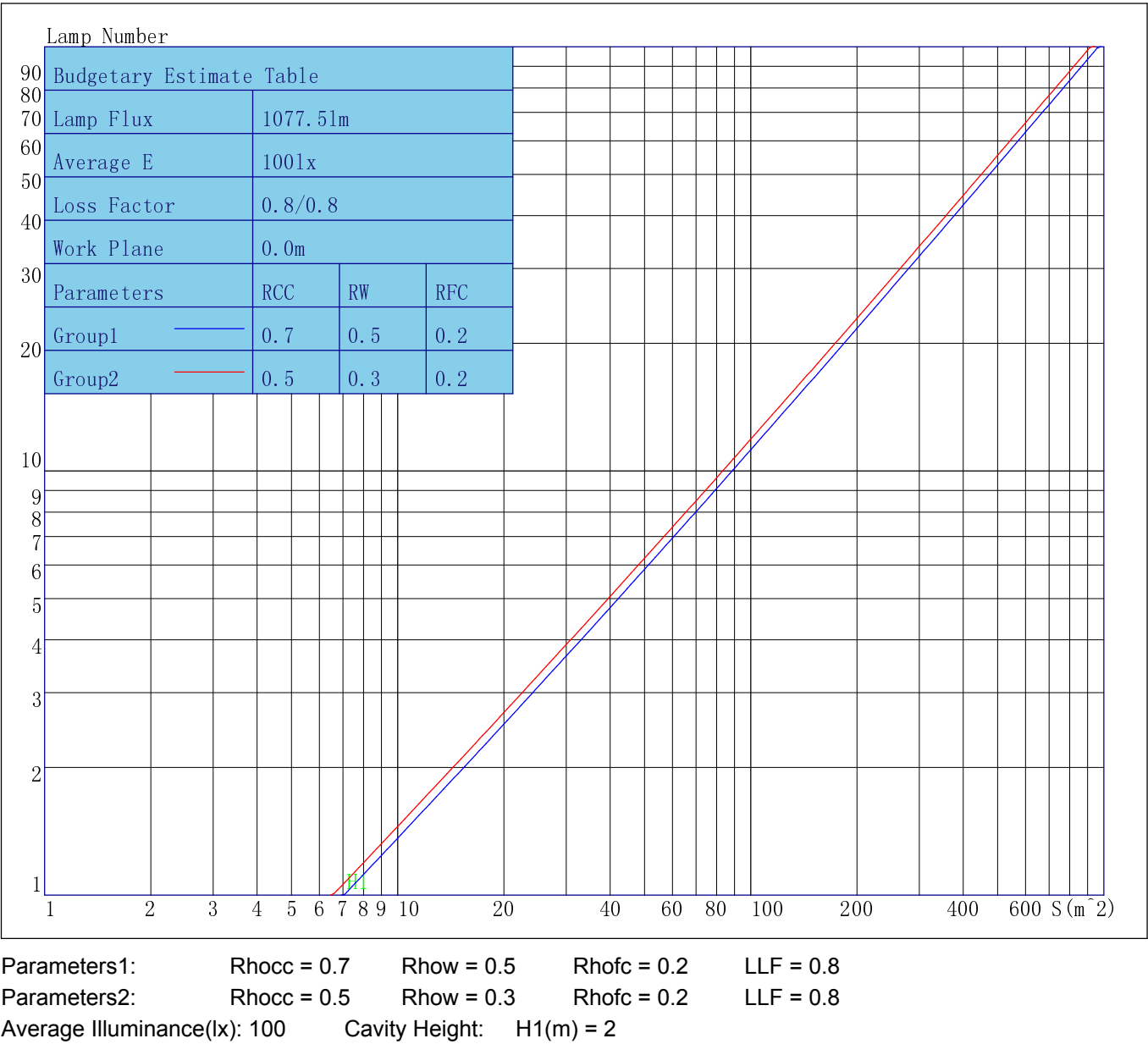
Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963

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: 2019/04/03



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: 2019/04/03

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	98	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96	97	95	94	95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79
6	95	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	92	84	80	76	90	84	79	76	82	78	76	81	78	75	80	77	75	74
8	89	81	77	74	88	81	77	73	80	76	73	79	75	73	78	75	73	72
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

Unified Glare Rating Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/03

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	21.7	22.8	22.1	23.1	23.4	21.2	22.3	21.6	22.6	22.9
	Y=3H	22.3	23.2	22.7	23.6	23.9	21.9	22.8	22.2	23.1	23.5
	Y=4H	22.4	23.2	22.8	23.6	24.0	21.9	22.8	22.3	23.2	23.5
	Y=6H	22.3	23.1	22.7	23.5	23.9	21.8	22.6	22.3	23.0	23.4
	Y=8H	22.2	23.0	22.7	23.4	23.8	21.8	22.5	22.2	22.9	23.4
	Y=12H	22.2	22.9	22.6	23.3	23.7	21.7	22.5	22.2	22.8	23.3
X=4H	Y=2H	22.0	22.9	22.4	23.2	23.6	21.6	22.4	22.0	22.8	23.2
	Y=3H	22.7	23.4	23.1	23.8	24.2	22.3	23.0	22.7	23.4	23.8
	Y=4H	22.7	23.4	23.2	23.8	24.3	22.3	23.0	22.8	23.4	23.9
	Y=6H	22.7	23.2	23.2	23.7	24.2	22.3	22.8	22.7	23.3	23.7
	Y=8H	22.6	23.1	23.1	23.6	24.1	22.2	22.7	22.7	23.2	23.6
	Y=12H	22.6	23.0	23.1	23.5	24.0	22.1	22.6	22.6	23.1	23.6
X=8H	Y=4H	22.7	23.2	23.2	23.6	24.1	22.3	22.8	22.7	23.2	23.7
	Y=6H	22.6	23.0	23.1	23.5	24.0	22.2	22.6	22.7	23.1	23.6
	Y=8H	22.5	22.9	23.1	23.4	23.9	22.1	22.5	22.6	23.0	23.5
	Y=12H	22.5	22.8	23.0	23.3	23.9	22.1	22.4	22.6	22.9	23.5
X=12H	Y=4H	22.6	23.1	23.1	23.6	24.0	22.2	22.6	22.7	23.1	23.6
	Y=6H	22.5	22.9	23.1	23.4	23.9	22.1	22.5	22.7	23.0	23.5
	Y=8H	22.5	22.8	23.0	23.3	23.9	22.1	22.4	22.6	22.9	23.5
Variations with the objverver position at spacings											
S=1.0H		2.3/-3.9					2.2/-3.9				
S=1.5H		2.7/-4.8					2.8/-4.8				
S=2.0H		3.1/-5.3					3.4/-5.7				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.9					0.9				

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

IES Indoor Report
Photometric Filename:SL-15W-COB-1500-A.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	7339. 51	7339. 51	7339. 51	7339. 51	7339. 51	7339. 51	7339. 51	7339. 51	7339. 51	7339. 51	7339. 51	7339. 51
γ 1. 0	7651. 19	7398. 28	7133. 11	7034. 95	6888. 58	6890. 27	7661. 58	7453. 50	7308. 51	7221. 87	7129. 15	7052. 23
γ 2. 0	7486. 25	7218. 30	6885. 91	6788. 85	6612. 03	6679. 26	7558. 00	7360. 25	7279. 99	7191. 43	7121. 52	7009. 59
γ 3. 0	7215. 50	6926. 29	6509. 94	6416. 40	6218. 52	6318. 21	7327. 02	7162. 98	7165. 63	7085. 92	7032. 92	6877. 67
γ 4. 0	6831. 03	6519. 32	6019. 36	5913. 11	5686. 41	5839. 68	6975. 07	6864. 52	6949. 76	6883. 76	6862. 07	6664. 05
γ 5. 0	6283. 85	5981. 21	5403. 39	5295. 96	5012. 31	5233. 45	6478. 88	6419. 80	6620. 51	6577. 43	6609. 05	6350. 63
γ 6. 0	5629. 97	5319. 41	4675. 53	4550. 93	4275. 71	4530. 70	5848. 27	5857. 15	6162. 21	6122. 92	6209. 09	5880. 33
γ 7. 0	4862. 62	4580. 58	3903. 14	3804. 71	3518. 23	3785. 43	5102. 28	5149. 94	5544. 47	5521. 20	5657. 65	5278. 10
γ 8. 0	4078. 37	3824. 21	3169. 02	3081. 64	2818. 29	3058. 78	4277. 12	4356. 37	4809. 87	4802. 84	4979. 85	4573. 68
γ 9. 0	3315. 48	3101. 34	2509. 76	2432. 36	2202. 03	2402. 77	3468. 98	3561. 38	4027. 48	4028. 08	4224. 79	3829. 74
γ 10. 0	2628. 76	2450. 02	1950. 48	1881. 92	1695. 47	1849. 07	2737. 65	2827. 49	3252. 57	3259. 95	3463. 48	3110. 71
γ 11. 0	2056. 20	1901. 74	1522. 18	1455. 42	1316. 22	1415. 06	2108. 82	2186. 23	2547. 49	2555. 25	2745. 61	2458. 89
γ 12. 0	1599. 30	1474. 28	1202. 66	1146. 50	1044. 97	1105. 89	1611. 50	1665. 12	1949. 72	1967. 20	2124. 40	1910. 45
γ 13. 0	1263. 47	1165. 57	974. 26	929. 56	854. 86	890. 66	1255. 07	1282. 29	1488. 40	1498. 52	1627. 00	1472. 66
γ 14. 0	1022. 64	943. 88	811. 11	774. 40	720. 70	739. 52	998. 06	1010. 28	1147. 84	1154. 78	1254. 54	1145. 94
γ 15. 0	851. 22	790. 08	694. 29	662. 08	623. 81	631. 65	817. 67	824. 28	912. 63	912. 16	991. 38	921. 42
γ 16. 0	727. 33	680. 86	606. 13	578. 64	550. 53	552. 36	691. 45	694. 24	752. 10	748. 35	810. 09	765. 66
γ 17. 0	634. 80	600. 34	538. 23	515. 57	493. 16	493. 40	601. 37	602. 21	640. 53	636. 95	683. 44	652. 82
γ 18. 0	566. 25	539. 05	485. 62	466. 31	447. 30	446. 51	536. 20	535. 20	560. 58	558. 06	594. 05	571. 97
γ 19. 0	511. 95	490. 58	443. 96	427. 25	409. 30	408. 08	485. 74	483. 05	501. 82	499. 25	528. 31	510. 42
γ 20. 0	469. 36	451. 04	408. 64	394. 30	376. 83	375. 51	444. 78	441. 39	455. 99	454. 10	477. 73	462. 30
γ 21. 0	431. 77	416. 43	377. 21	363. 89	347. 39	346. 78	409. 89	405. 57	418. 58	417. 17	436. 88	423. 74
γ 22. 0	397. 79	384. 91	349. 74	336. 64	320. 11	319. 65	379. 18	374. 05	386. 96	385. 26	402. 29	390. 90
γ 23. 0	367. 88	356. 32	324. 78	312. 76	294. 48	295. 13	350. 40	345. 91	359. 03	356. 78	371. 07	360. 77
γ 24. 0	341. 02	329. 50	301. 92	289. 58	270. 70	271. 83	323. 69	319. 69	333. 30	330. 23	342. 46	333. 39
γ 25. 0	316. 48	305. 26	279. 60	268. 63	249. 61	250. 74	298. 97	294. 95	308. 96	305. 95	316. 42	308. 31
γ 26. 0	293. 83	282. 45	258. 88	248. 91	231. 32	231. 87	276. 38	271. 68	285. 91	283. 75	292. 43	285. 10
γ 27. 0	272. 07	261. 80	240. 32	230. 77	214. 42	214. 81	255. 83	250. 44	264. 51	262. 71	269. 99	263. 99
γ 28. 0	251. 81	242. 60	222. 38	214. 33	199. 50	199. 20	237. 38	231. 71	244. 59	243. 60	249. 06	244. 76
γ 29. 0	232. 55	225. 02	206. 14	198. 94	185. 62	185. 03	220. 20	214. 68	226. 18	225. 69	230. 44	225. 94
γ 30. 0	214. 91	208. 86	191. 11	184. 40	172. 37	171. 66	204. 50	199. 25	209. 49	208. 99	213. 30	208. 63
γ 31. 0	199. 02	193. 94	176. 91	171. 05	160. 18	159. 52	189. 86	185. 56	193. 94	193. 68	197. 68	192. 69
γ 32. 0	184. 52	179. 83	164. 21	158. 86	149. 09	148. 39	176. 22	172. 23	179. 82	179. 82	183. 60	178. 12
γ 33. 0	171. 19	167. 00	152. 72	147. 70	138. 71	137. 86	163. 43	160. 08	166. 97	166. 87	170. 27	165. 25
γ 34. 0	159. 45	155. 26	142. 21	137. 55	129. 37	128. 27	151. 90	148. 98	155. 09	155. 15	157. 95	153. 56
γ 35. 0	148. 27	144. 39	132. 26	128. 08	120. 29	119. 53	141. 38	138. 59	144. 27	144. 27	146. 66	142. 63
γ 36. 0	138. 12	134. 09	123. 27	119. 41	112. 19	111. 59	131. 64	129. 21	134. 36	134. 33	136. 18	132. 67
γ 37. 0	128. 96	125. 13	115. 05	111. 76	104. 90	104. 35	123. 04	120. 44	125. 49	125. 35	126. 65	123. 63
γ 38. 0	120. 49	116. 75	107. 67	105. 02	98. 25	97. 73	115. 16	112. 42	117. 28	117. 03	117. 73	115. 40
γ 39. 0	112. 80	109. 26	101. 09	98. 62	92. 12	91. 96	108. 07	105. 29	109. 90	109. 49	110. 01	107. 91
γ 40. 0	105. 92	102. 51	95. 06	92. 71	86. 43	86. 44	101. 82	98. 81	103. 16	102. 64	102. 88	101. 26
γ 41. 0	99. 39	96. 32	89. 36	87. 36	81. 49	81. 39	95. 89	93. 04	97. 05	96. 37	96. 37	94. 96
γ 42. 0	93. 49	90. 56	84. 23	82. 29	76. 92	76. 76	90. 63	87. 78	91. 24	90. 55	90. 51	89. 17
γ 43. 0	88. 11	85. 38	79. 54	77. 66	72. 68	72. 47	85. 31	82. 87	85. 82	85. 09	84. 98	83. 77
γ 44. 0	83. 08	80. 86	75. 24	73. 59	68. 87	68. 68	80. 75	78. 22	80. 98	80. 08	80. 09	78. 79
γ 45. 0	78. 47	76. 58	71. 58	69. 87	65. 71	65. 31	76. 41	74. 32	76. 56	75. 64	75. 56	74. 36
γ 46. 0	74. 38	72. 66	68. 31	66. 67	62. 76	62. 32	72. 65	70. 49	72. 46	71. 57	71. 39	70. 36

IES Indoor Report
Photometric Filename:SL-15W-COB-1500-A.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	70. 79	69. 58	65. 35	63. 45	59. 87	59. 49	69. 40	67. 05	68. 88	68. 00	67. 53	66. 62
γ 48. 0	67. 56	66. 24	62. 44	60. 53	57. 20	56. 87	66. 34	64. 22	65. 63	64. 76	64. 17	63. 36
γ 49. 0	64. 31	63. 39	59. 59	57. 88	54. 73	54. 39	63. 40	61. 30	62. 56	61. 85	61. 21	60. 20
γ 50. 0	61. 15	60. 54	57. 01	55. 37	52. 41	52. 08	60. 55	58. 55	59. 64	58. 95	58. 33	57. 40
γ 51. 0	58. 35	57. 98	54. 53	53. 01	50. 22	49. 90	57. 99	55. 95	57. 01	56. 15	55. 55	54. 58
γ 52. 0	55. 58	55. 41	52. 20	50. 65	48. 13	47. 66	55. 49	53. 61	54. 35	53. 62	53. 09	52. 11
γ 53. 0	53. 05	52. 93	50. 01	48. 56	46. 03	45. 67	53. 04	51. 27	52. 02	51. 07	50. 56	49. 68
γ 54. 0	50. 58	50. 62	47. 82	46. 41	44. 09	43. 83	50. 69	49. 01	49. 57	48. 66	48. 21	47. 10
γ 55. 0	48. 26	48. 33	45. 93	44. 59	42. 45	41. 96	48. 43	46. 81	47. 16	46. 32	45. 90	44. 79
γ 56. 0	46. 22	46. 51	44. 13	42. 91	40. 77	40. 40	46. 42	44. 75	44. 96	44. 04	43. 59	42. 51
γ 57. 0	44. 23	44. 63	42. 35	41. 13	39. 21	38. 77	44. 67	42. 81	42. 87	42. 27	41. 51	40. 72
γ 58. 0	42. 08	42. 75	40. 69	39. 34	37. 43	37. 25	42. 93	41. 14	41. 14	39. 94	39. 30	38. 46
γ 59. 0	39. 54	40. 68	38. 68	37. 40	35. 60	35. 46	41. 01	39. 17	38. 82	37. 53	36. 81	35. 96
γ 60. 0	36. 99	38. 41	36. 87	35. 63	33. 72	33. 63	39. 25	36. 75	36. 49	35. 21	34. 35	33. 75
γ 61. 0	34. 44	35. 93	34. 47	33. 88	31. 97	31. 74	36. 90	34. 16	34. 05	32. 77	31. 84	31. 27
γ 62. 0	32. 10	33. 42	32. 22	31. 78	29. 73	29. 63	34. 45	31. 74	31. 74	30. 12	29. 39	29. 19
γ 63. 0	29. 70	31. 04	29. 95	29. 56	27. 72	27. 50	32. 05	29. 39	29. 08	27. 89	27. 33	27. 00
γ 64. 0	27. 44	28. 51	27. 89	27. 44	25. 66	25. 63	29. 75	26. 99	26. 86	25. 59	25. 21	25. 01
γ 65. 0	24. 97	26. 19	25. 27	25. 33	23. 49	23. 10	27. 12	24. 66	24. 41	23. 25	22. 85	22. 70
γ 66. 0	22. 61	23. 89	22. 83	22. 76	20. 94	20. 81	24. 82	21. 96	22. 04	21. 16	20. 84	20. 67
γ 67. 0	20. 49	21. 17	20. 40	20. 47	18. 57	18. 37	21. 88	19. 73	20. 22	19. 47	19. 15	18. 82
γ 68. 0	18. 63	18. 94	17. 87	18. 05	15. 97	16. 07	19. 39	17. 86	18. 50	17. 72	17. 44	17. 13
γ 69. 0	16. 88	17. 05	15. 97	15. 84	14. 08	14. 22	17. 47	16. 22	16. 76	16. 12	15. 81	15. 52
γ 70. 0	15. 10	15. 27	14. 22	13. 90	12. 40	12. 61	15. 77	14. 54	15. 05	14. 43	14. 22	13. 91
γ 71. 0	13. 56	13. 56	12. 65	12. 39	10. 82	10. 92	14. 06	13. 01	13. 57	12. 85	12. 72	12. 46
γ 72. 0	11. 80	11. 93	10. 98	10. 75	9. 35	9. 44	12. 36	11. 42	11. 76	11. 09	11. 01	10. 90
γ 73. 0	9. 95	10. 22	9. 55	9. 20	7. 84	8. 08	10. 58	9. 68	10. 02	9. 46	9. 45	9. 26
γ 74. 0	8. 30	8. 50	7. 98	7. 71	6. 28	6. 49	8. 81	7. 95	8. 41	7. 94	7. 88	7. 75
γ 75. 0	6. 74	7. 06	6. 43	6. 31	5. 10	5. 21	7. 20	6. 44	6. 94	6. 38	6. 46	6. 14
γ 76. 0	5. 36	5. 63	5. 06	4. 81	3. 85	4. 04	5. 80	5. 04	5. 49	4. 95	5. 03	4. 86
γ 77. 0	3. 88	4. 37	3. 89	3. 63	2. 73	2. 77	4. 42	3. 74	4. 10	3. 70	3. 78	3. 52
γ 78. 0	2. 58	3. 12	2. 54	2. 52	1. 72	1. 75	2. 98	2. 54	2. 81	2. 39	2. 59	2. 37
γ 79. 0	1. 41	1. 82	1. 37	1. 34	0. 61	0. 71	1. 91	1. 27	1. 63	1. 30	1. 41	1. 20
γ 80. 0	0. 31	0. 73	0. 34	0. 38	0. 00	0. 00	0. 67	0. 15	0. 48	0. 17	0. 37	0. 26
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

IES Indoor Report
Photometric Filename:SL-15W-COB-1500-A.IES

Candela Tabulation - (Cont.)

[illegible]

IES Indoor Report

Photometric Filename:SL-15W-COB-1500-A.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 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	0.10	0.02	0.00	0.28	0.02	0.00	0.00	0.00	0.00
γ 151.0	0.17	0.23	0.41	0.38	0.48	0.23	0.72	0.49	0.12	0.00	0.00	0.00
γ 152.0	0.68	0.67	0.79	0.88	0.86	0.64	1.21	0.81	0.59	0.40	0.16	0.21
γ 153.0	1.13	1.16	1.28	1.21	1.35	1.12	1.66	1.37	0.95	0.88	0.65	0.58
γ 154.0	1.48	1.60	1.61	1.63	1.68	1.59	2.13	1.74	1.35	1.22	0.93	1.01
γ 155.0	2.01	2.10	2.06	2.10	2.22	1.98	2.59	2.11	1.80	1.62	1.39	1.50
γ 156.0	2.40	2.37	2.60	2.49	2.44	2.24	3.08	2.52	2.34	2.10	1.84	1.87
γ 157.0	2.78	2.81	2.78	2.81	2.83	2.53	3.44	2.94	2.56	2.40	2.27	2.23
γ 158.0	3.18	3.15	3.13	3.09	3.11	2.93	3.75	3.25	2.89	2.86	2.59	2.60
γ 159.0	3.55	3.49	3.40	3.35	3.33	3.22	4.03	3.57	3.29	3.22	2.91	2.92
γ 160.0	3.91	3.87	3.68	3.59	3.60	3.50	4.41	3.88	3.60	3.34	3.20	3.13
γ 161.0	4.04	4.11	3.73	3.71	3.75	3.61	4.58	4.12	3.76	3.71	3.49	3.31
γ 162.0	4.22	4.26	3.97	3.85	3.97	3.75	4.72	4.22	3.86	3.79	3.73	3.70
γ 163.0	4.43	4.53	3.95	4.13	3.98	3.91	4.98	4.48	4.19	3.92	3.93	3.81
γ 164.0	4.64	4.51	4.18	4.14	4.12	4.03	5.09	4.49	4.26	4.06	3.99	3.88
γ 165.0	4.78	4.76	4.10	4.21	4.14	4.18	5.15	4.62	4.31	4.08	4.12	4.04
γ 166.0	4.80	4.76	4.18	4.27	4.26	4.33	5.23	4.71	4.38	4.15	4.30	4.13
γ 167.0	4.89	4.71	4.20	4.27	4.26	4.28	5.35	4.66	4.47	4.37	4.38	4.25
γ 168.0	5.01	4.83	4.23	4.24	4.28	4.32	5.42	4.71	4.59	4.36	4.38	4.33
γ 169.0	4.96	4.90	4.28	4.26	4.39	4.32	5.34	4.72	4.55	4.35	4.40	4.29
γ 170.0	4.97	4.70	4.23	4.26	4.05	4.35	5.37	4.64	4.49	4.28	4.48	4.25
γ 171.0	4.99	4.74	4.18	4.14	4.08	4.28	5.24	4.57	4.45	4.30	4.44	4.23
γ 172.0	4.86	4.68	4.10	4.13	4.01	4.14	5.13	4.59	4.45	4.23	4.31	4.16
γ 173.0	4.76	4.57	3.91	3.93	3.82	4.04	5.00	4.43	4.37	4.24	4.36	4.17
γ 174.0	4.53	4.28	3.88	3.87	3.71	3.96	4.87	4.26	4.32	3.96	4.17	4.03
γ 175.0	4.42	4.22	3.81	3.78	3.58	3.73	4.60	4.12	4.15	3.91	4.05	3.89
γ 176.0	4.31	4.22	3.67	3.67	3.58	3.68	4.69	4.08	4.01	3.86	3.98	3.87
γ 177.0	4.28	4.06	3.59	3.63	3.56	3.65	4.52	3.82	3.86	3.73	3.85	3.72
γ 178.0	4.19	4.09	3.58	3.69	3.54	3.73	4.39	3.86	3.85	3.79	3.82	3.78
γ 179.0	4.22	4.09	3.62	3.66	3.59	3.71	4.47	3.84	3.85	3.68	3.76	3.69
γ 180.0	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92