

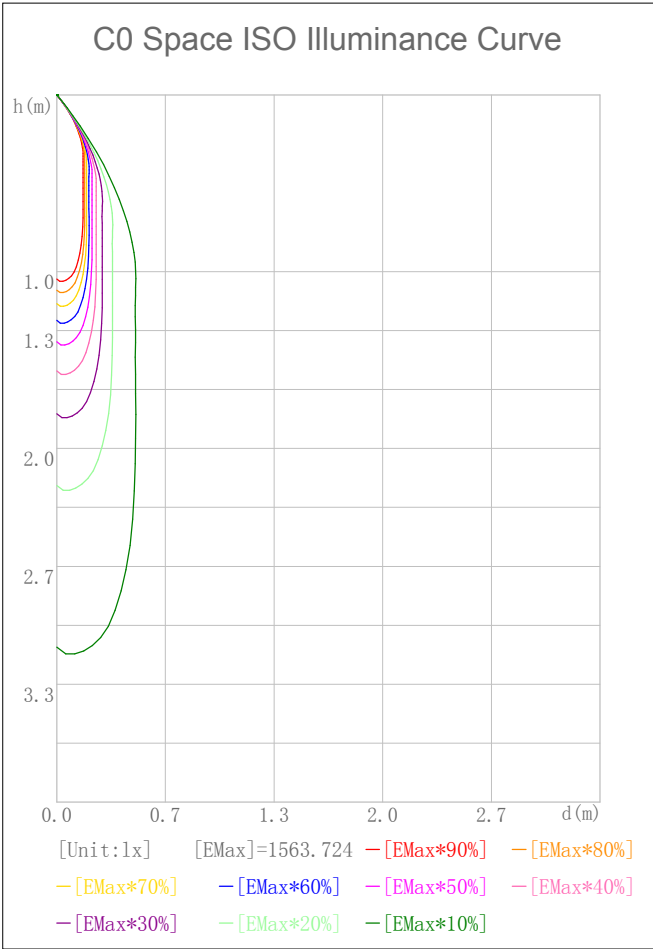
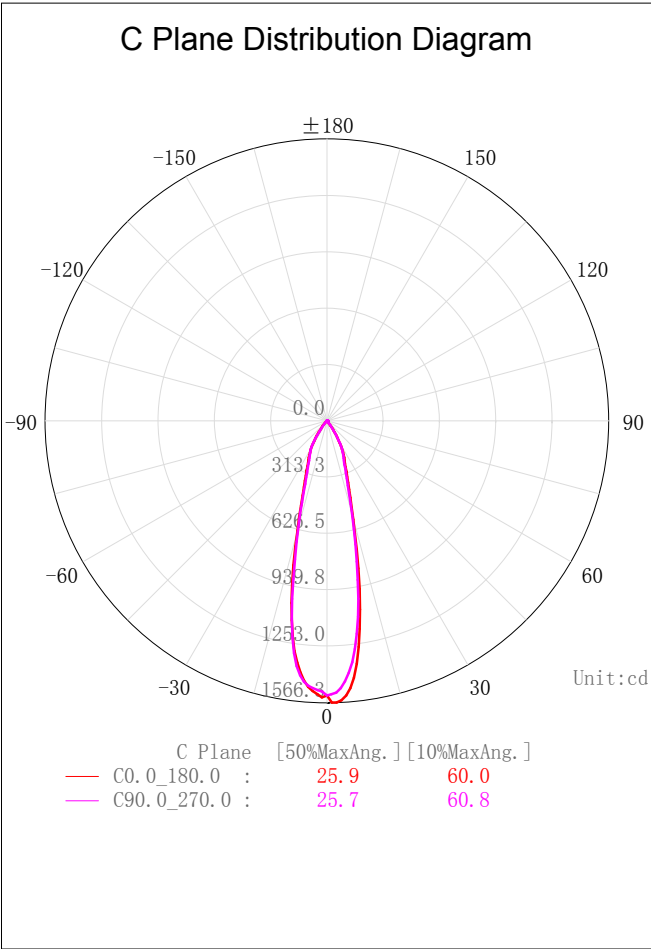
Indoor Luminaire Photometric Data

Description Information

Luminary Name:		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2018/01/30
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):0.050m*-0.050m*0.000m		Lum. Area (m2):0.002	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%): 50.0

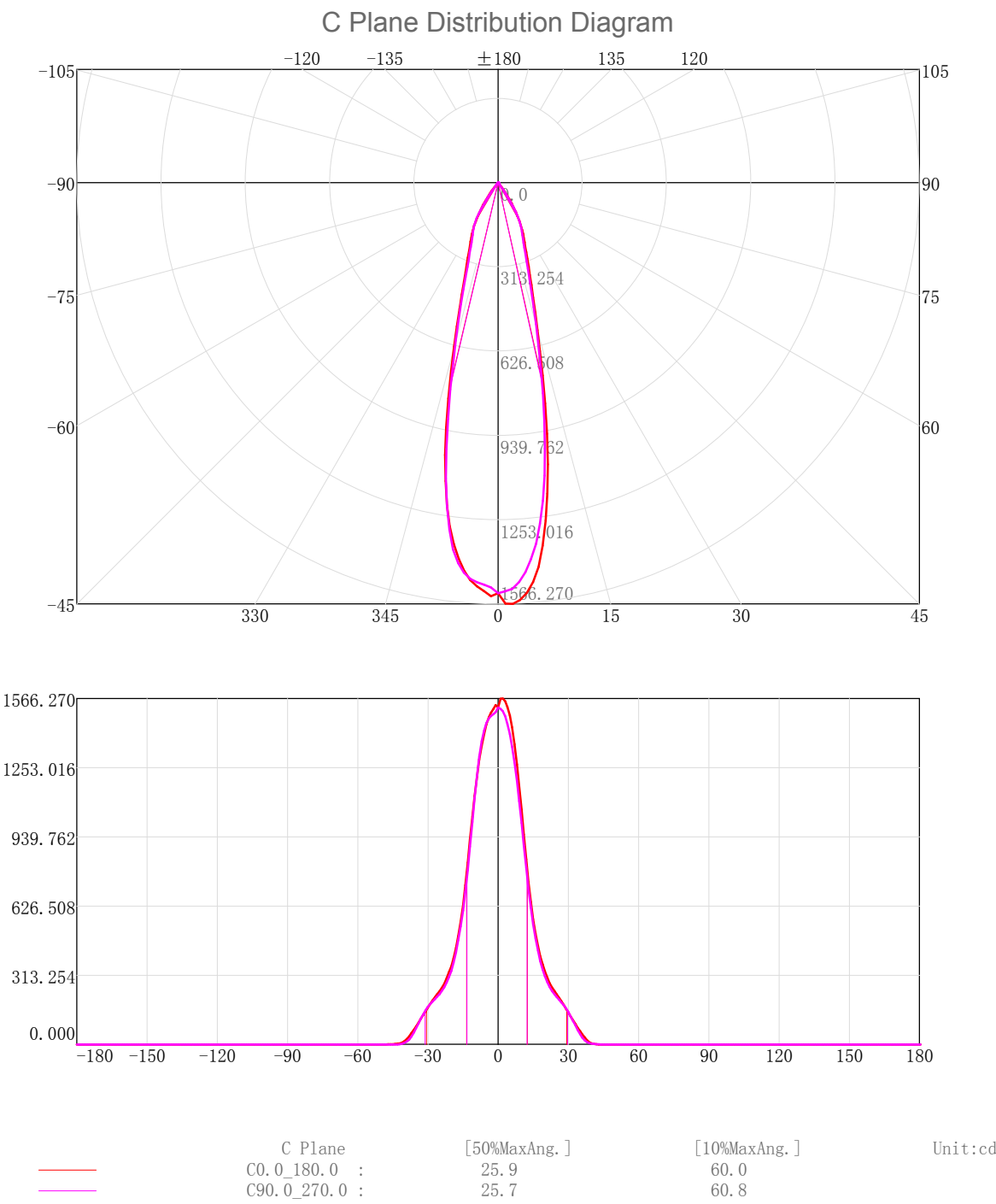
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 441.510	Luminary Flux(lm): 441.513	Field Angle(10%Imax): 60.0(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 441.513lm 100.00%	
Rated Voltage(V):	Luminary EER(lm/W): 60.004	Up Lumens&Percent: 0.000lm 0.00%	
Tested Power(W): 7.358	Max. Candela(cd): 1566.270	S/MH: C0_a180=0.447 C90_270=0.435	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):218.5, 0.063, 0.527	Beam Angle(50%Imax): 25.9(°)	ErP Φuse(90°): 440.969lm	
Lamp Size (W*L*H):0.050m*-0.050m*0.000m	Left=-13.4°, Right=12.5°	IRF (%): 740.992	



2D Plane Light Intensity Distribution Curve

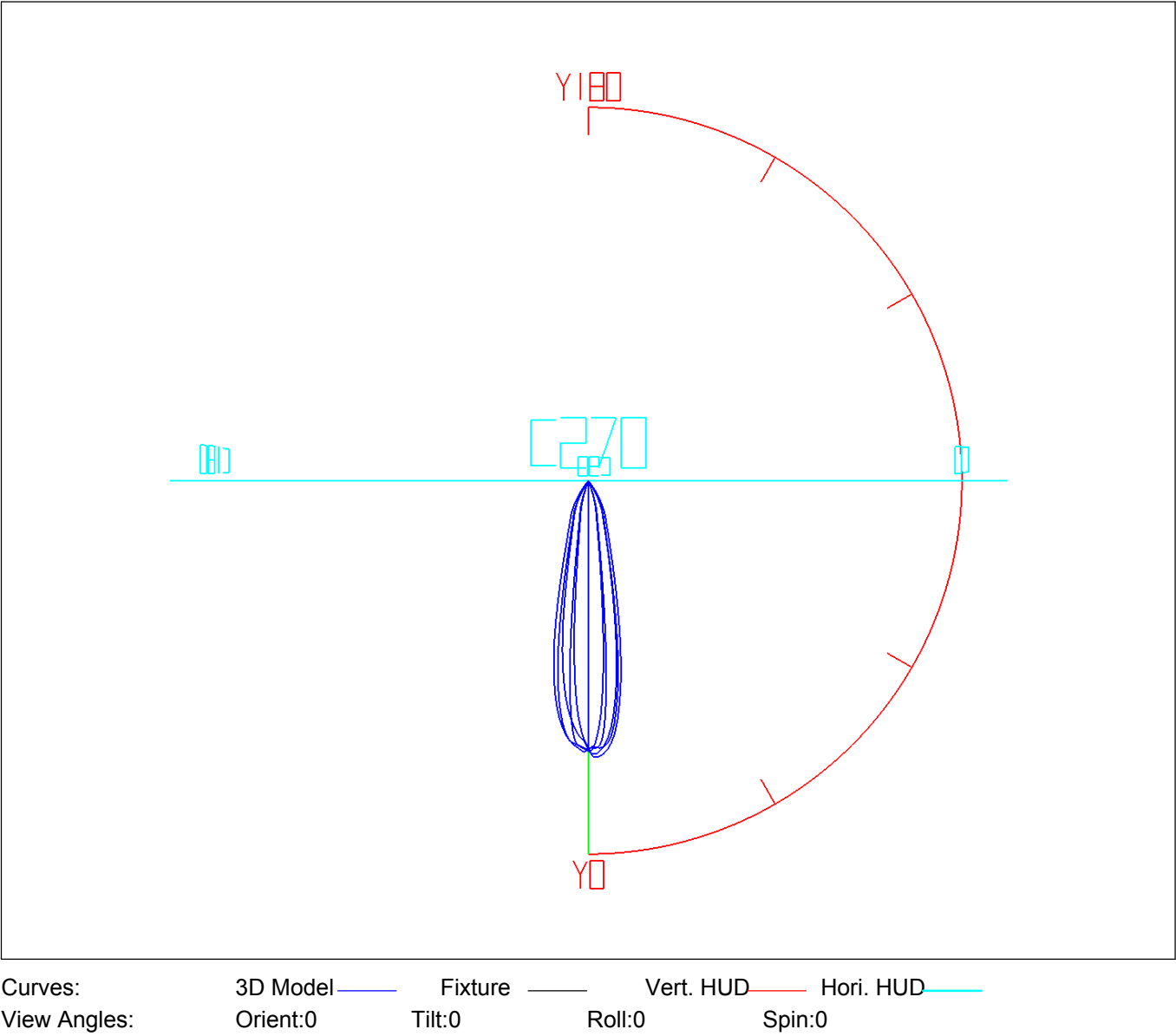
Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30



3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30

3D Light Intensity Distribution Modal



**IES Indoor Report**  
**Photometric Filename:UL-6W-COB-220V.IES**

## Zonal Flux Tabulation

Zone ( γ )	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone ( γ )	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.46	1.46	0.33	0.33	47.0-48.0	0.03	441.19	0.01	99.93
1.0-2.0	4.35	5.80	0.98	1.31	48.0-49.0	0.03	441.22	0.01	99.93
2.0-3.0	7.19	12.99	1.63	2.94	49.0-50.0	0.03	441.25	0.01	99.94
3.0-4.0	9.93	22.92	2.25	5.19	50.0-51.0	0.04	441.29	0.01	99.95
4.0-5.0	12.53	35.45	2.84	8.03	51.0-52.0	0.05	441.34	0.01	99.96
5.0-6.0	14.90	50.34	3.37	11.40	52.0-53.0	0.05	441.39	0.01	99.97
6.0-7.0	16.93	67.27	3.83	15.24	53.0-54.0	0.04	441.43	0.01	99.98
7.0-8.0	18.53	85.80	4.20	19.43	54.0-55.0	0.04	441.47	0.01	99.99
8.0-9.0	19.65	105.45	4.45	23.88	55.0-56.0	0.03	441.49	0.01	100.00
9.0-10.0	20.26	125.71	4.59	28.47	56.0-57.0	0.01	441.51	0.00	100.00
10.0-11.0	20.37	146.08	4.61	33.09	57.0-58.0	0.00	441.51	0.00	100.00
11.0-12.0	19.99	166.07	4.53	37.61	58.0-59.0	0.00	441.51	0.00	100.00
12.0-13.0	19.22	185.28	4.35	41.97	59.0-60.0	0.00	441.51	0.00	100.00
13.0-14.0	18.21	203.50	4.12	46.09	60.0-61.0	0.00	441.51	0.00	100.00
14.0-15.0	17.14	220.64	3.88	49.97	61.0-62.0	0.00	441.51	0.00	100.00
15.0-16.0	16.11	236.74	3.65	53.62	62.0-63.0	0.00	441.51	0.00	100.00
16.0-17.0	15.14	251.88	3.43	57.05	63.0-64.0	0.00	441.51	0.00	100.00
17.0-18.0	14.22	266.10	3.22	60.27	64.0-65.0	0.00	441.51	0.00	100.00
18.0-19.0	13.41	279.51	3.04	63.31	65.0-66.0	0.00	441.51	0.00	100.00
19.0-20.0	12.73	292.24	2.88	66.19	66.0-67.0	0.00	441.51	0.00	100.00
20.0-21.0	12.17	304.41	2.76	68.95	67.0-68.0	0.00	441.51	0.00	100.00
21.0-22.0	11.69	316.10	2.65	71.60	68.0-69.0	0.00	441.51	0.00	100.00
22.0-23.0	11.26	327.36	2.55	74.15	69.0-70.0	0.00	441.51	0.00	100.00
23.0-24.0	10.91	338.27	2.47	76.62	70.0-71.0	0.00	441.51	0.00	100.00
24.0-25.0	10.64	348.91	2.41	79.03	71.0-72.0	0.00	441.51	0.00	100.00
25.0-26.0	10.39	359.30	2.35	81.38	72.0-73.0	0.00	441.51	0.00	100.00
26.0-27.0	10.13	369.43	2.29	83.67	73.0-74.0	0.00	441.51	0.00	100.00
27.0-28.0	9.81	379.24	2.22	85.90	74.0-75.0	0.00	441.51	0.00	100.00
28.0-29.0	9.40	388.64	2.13	88.03	75.0-76.0	0.00	441.51	0.00	100.00
29.0-30.0	8.88	397.52	2.01	90.04	76.0-77.0	0.00	441.51	0.00	100.00
30.0-31.0	8.22	405.74	1.86	91.90	77.0-78.0	0.00	441.51	0.00	100.00
31.0-32.0	7.44	413.18	1.69	93.58	78.0-79.0	0.00	441.51	0.00	100.00
32.0-33.0	6.56	419.74	1.49	95.07	79.0-80.0	0.00	441.51	0.00	100.00
33.0-34.0	5.61	425.34	1.27	96.34	80.0-81.0	0.00	441.51	0.00	100.00
34.0-35.0	4.62	429.97	1.05	97.39	81.0-82.0	0.00	441.51	0.00	100.00
35.0-36.0	3.64	433.61	0.83	98.21	82.0-83.0	0.00	441.51	0.00	100.00
36.0-37.0	2.72	436.33	0.62	98.83	83.0-84.0	0.00	441.51	0.00	100.00
37.0-38.0	1.91	438.24	0.43	99.26	84.0-85.0	0.00	441.51	0.00	100.00
38.0-39.0	1.24	439.48	0.28	99.54	85.0-86.0	0.00	441.51	0.00	100.00
39.0-40.0	0.74	440.22	0.17	99.71	86.0-87.0	0.00	441.51	0.00	100.00
40.0-41.0	0.41	440.63	0.09	99.80	87.0-88.0	0.00	441.51	0.00	100.00
41.0-42.0	0.22	440.85	0.05	99.85	88.0-89.0	0.00	441.51	0.00	100.00
42.0-43.0	0.12	440.97	0.03	99.88	89.0-90.0	0.00	441.51	0.00	100.00
43.0-44.0	0.08	441.05	0.02	99.90	90.0-91.0	0.00	441.51	0.00	100.00
44.0-45.0	0.05	441.10	0.01	99.91	91.0-92.0	0.00	441.51	0.00	100.00
45.0-46.0	0.04	441.13	0.01	99.91	92.0-93.0	0.00	441.51	0.00	100.00
46.0-47.0	0.03	441.16	0.01	99.92	93.0-94.0	0.00	441.51	0.00	100.00

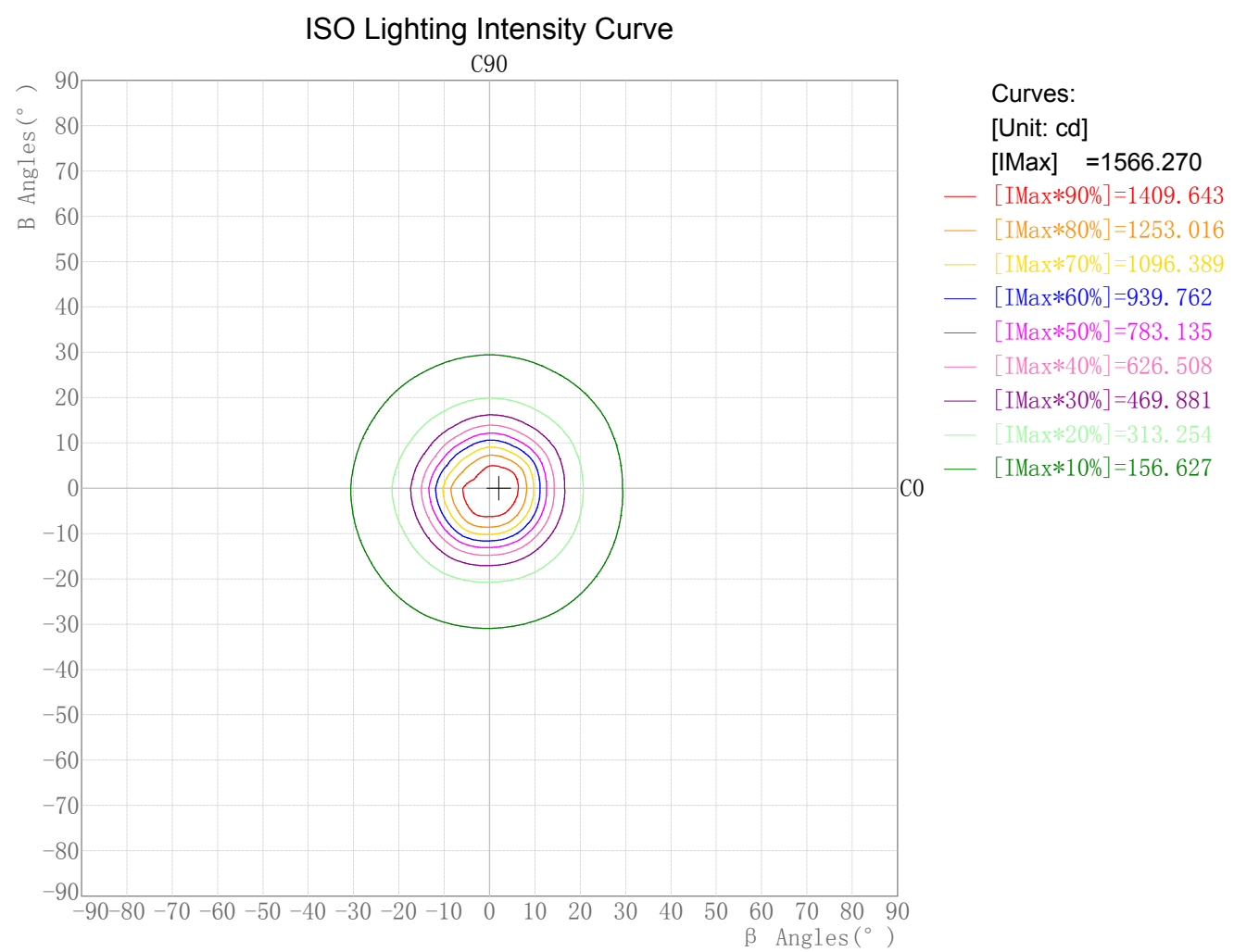
**Photometric Filename:UL-6W-COB-220V.IES**

### 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	441.51	0.00	100.00	141.0-142.0	0.00	441.51	0.00	100.00
95.0-96.0	0.00	441.51	0.00	100.00	142.0-143.0	0.00	441.51	0.00	100.00
96.0-97.0	0.00	441.51	0.00	100.00	143.0-144.0	0.00	441.51	0.00	100.00
97.0-98.0	0.00	441.51	0.00	100.00	144.0-145.0	0.00	441.51	0.00	100.00
98.0-99.0	0.00	441.51	0.00	100.00	145.0-146.0	0.00	441.51	0.00	100.00
99.0-100.0	0.00	441.51	0.00	100.00	146.0-147.0	0.00	441.51	0.00	100.00
100.0-101.0	0.00	441.51	0.00	100.00	147.0-148.0	0.00	441.51	0.00	100.00
101.0-102.0	0.00	441.51	0.00	100.00	148.0-149.0	0.00	441.51	0.00	100.00
102.0-103.0	0.00	441.51	0.00	100.00	149.0-150.0	0.00	441.51	0.00	100.00
103.0-104.0	0.00	441.51	0.00	100.00	150.0-151.0	0.00	441.51	0.00	100.00
104.0-105.0	0.00	441.51	0.00	100.00	151.0-152.0	0.00	441.51	0.00	100.00
105.0-106.0	0.00	441.51	0.00	100.00	152.0-153.0	0.00	441.51	0.00	100.00
106.0-107.0	0.00	441.51	0.00	100.00	153.0-154.0	0.00	441.51	0.00	100.00
107.0-108.0	0.00	441.51	0.00	100.00	154.0-155.0	0.00	441.51	0.00	100.00
108.0-109.0	0.00	441.51	0.00	100.00	155.0-156.0	0.00	441.51	0.00	100.00
109.0-110.0	0.00	441.51	0.00	100.00	156.0-157.0	0.00	441.51	0.00	100.00
110.0-111.0	0.00	441.51	0.00	100.00	157.0-158.0	0.00	441.51	0.00	100.00
111.0-112.0	0.00	441.51	0.00	100.00	158.0-159.0	0.00	441.51	0.00	100.00
112.0-113.0	0.00	441.51	0.00	100.00	159.0-160.0	0.00	441.51	0.00	100.00
113.0-114.0	0.00	441.51	0.00	100.00	160.0-161.0	0.00	441.51	0.00	100.00
114.0-115.0	0.00	441.51	0.00	100.00	161.0-162.0	0.00	441.51	0.00	100.00
115.0-116.0	0.00	441.51	0.00	100.00	162.0-163.0	0.00	441.51	0.00	100.00
116.0-117.0	0.00	441.51	0.00	100.00	163.0-164.0	0.00	441.51	0.00	100.00
117.0-118.0	0.00	441.51	0.00	100.00	164.0-165.0	0.00	441.51	0.00	100.00
118.0-119.0	0.00	441.51	0.00	100.00	165.0-166.0	0.00	441.51	0.00	100.00
119.0-120.0	0.00	441.51	0.00	100.00	166.0-167.0	0.00	441.51	0.00	100.00
120.0-121.0	0.00	441.51	0.00	100.00	167.0-168.0	0.00	441.51	0.00	100.00
121.0-122.0	0.00	441.51	0.00	100.00	168.0-169.0	0.00	441.51	0.00	100.00
122.0-123.0	0.00	441.51	0.00	100.00	169.0-170.0	0.00	441.51	0.00	100.00
123.0-124.0	0.00	441.51	0.00	100.00	170.0-171.0	0.00	441.51	0.00	100.00
124.0-125.0	0.00	441.51	0.00	100.00	171.0-172.0	0.00	441.51	0.00	100.00
125.0-126.0	0.00	441.51	0.00	100.00	172.0-173.0	0.00	441.51	0.00	100.00
126.0-127.0	0.00	441.51	0.00	100.00	173.0-174.0	0.00	441.51	0.00	100.00
127.0-128.0	0.00	441.51	0.00	100.00	174.0-175.0	0.00	441.51	0.00	100.00
128.0-129.0	0.00	441.51	0.00	100.00	175.0-176.0	0.00	441.51	0.00	100.00
129.0-130.0	0.00	441.51	0.00	100.00	176.0-177.0	0.00	441.51	0.00	100.00
130.0-131.0	0.00	441.51	0.00	100.00	177.0-178.0	0.00	441.51	0.00	100.00
131.0-132.0	0.00	441.51	0.00	100.00	178.0-179.0	0.00	441.51	0.00	100.00
132.0-133.0	0.00	441.51	0.00	100.00	179.0-180.0	0.00	441.51	0.00	100.00
133.0-134.0	0.00	441.51	0.00	100.00					
134.0-135.0	0.00	441.51	0.00	100.00					
135.0-136.0	0.00	441.51	0.00	100.00					
136.0-137.0	0.00	441.51	0.00	100.00					
137.0-138.0	0.00	441.51	0.00	100.00					
138.0-139.0	0.00	441.51	0.00	100.00					
139.0-140.0	0.00	441.51	0.00	100.00					
140.0-141.0	0.00	441.51	0.00	100.00					

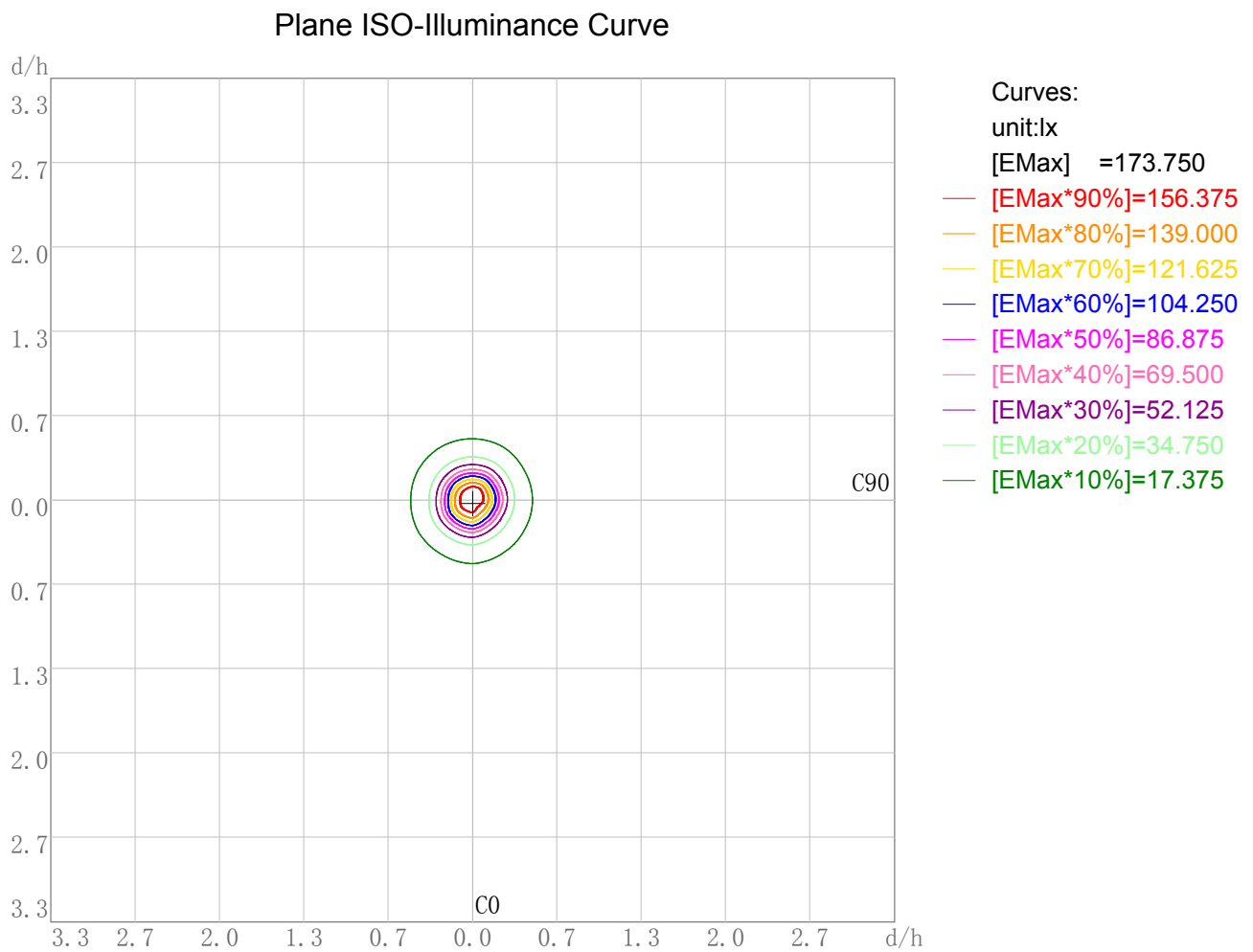
Rectangle ISO Lighting Intensity Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30



Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30

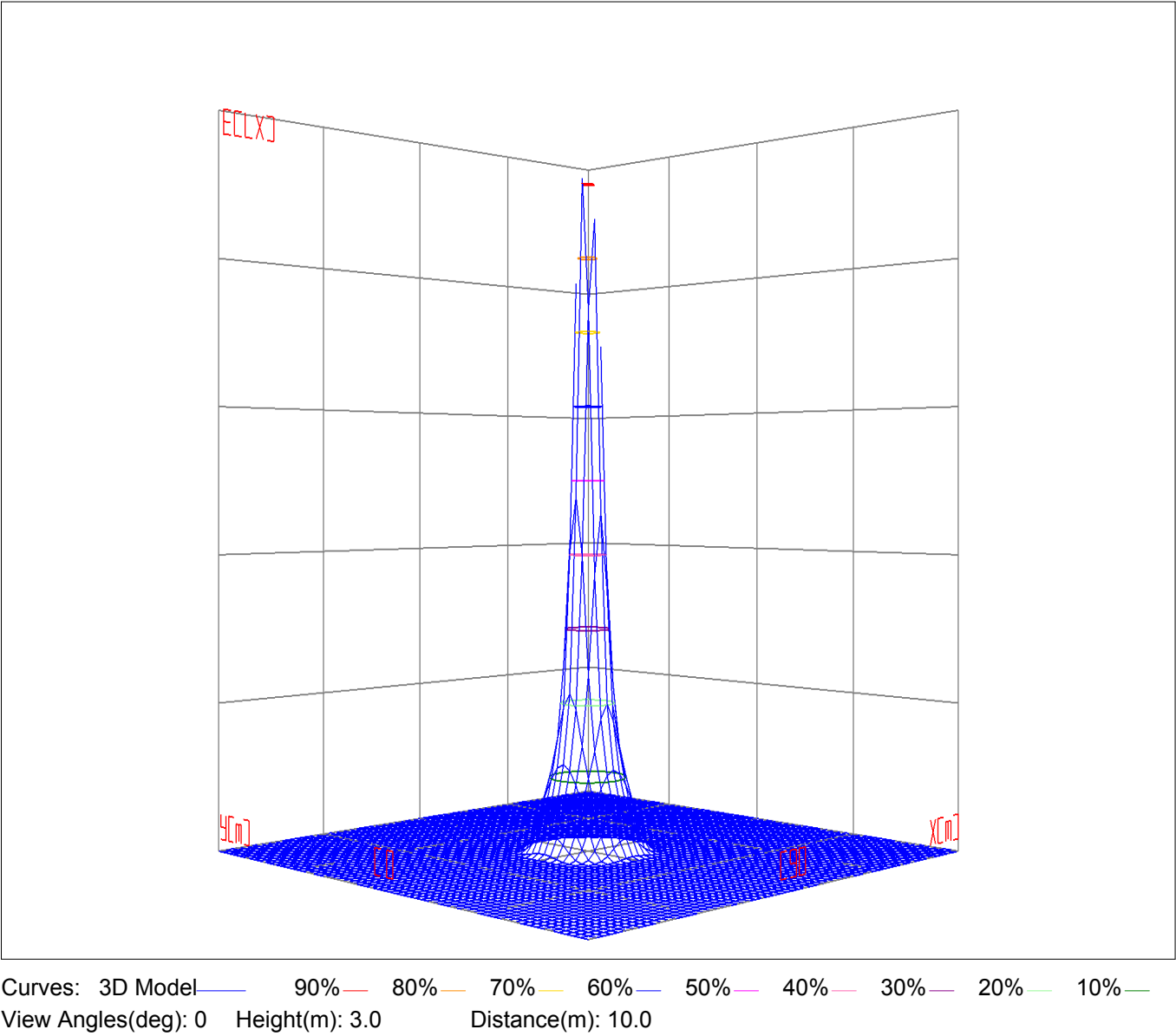


Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 173.75  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30

3D Plane Illuminance Modal

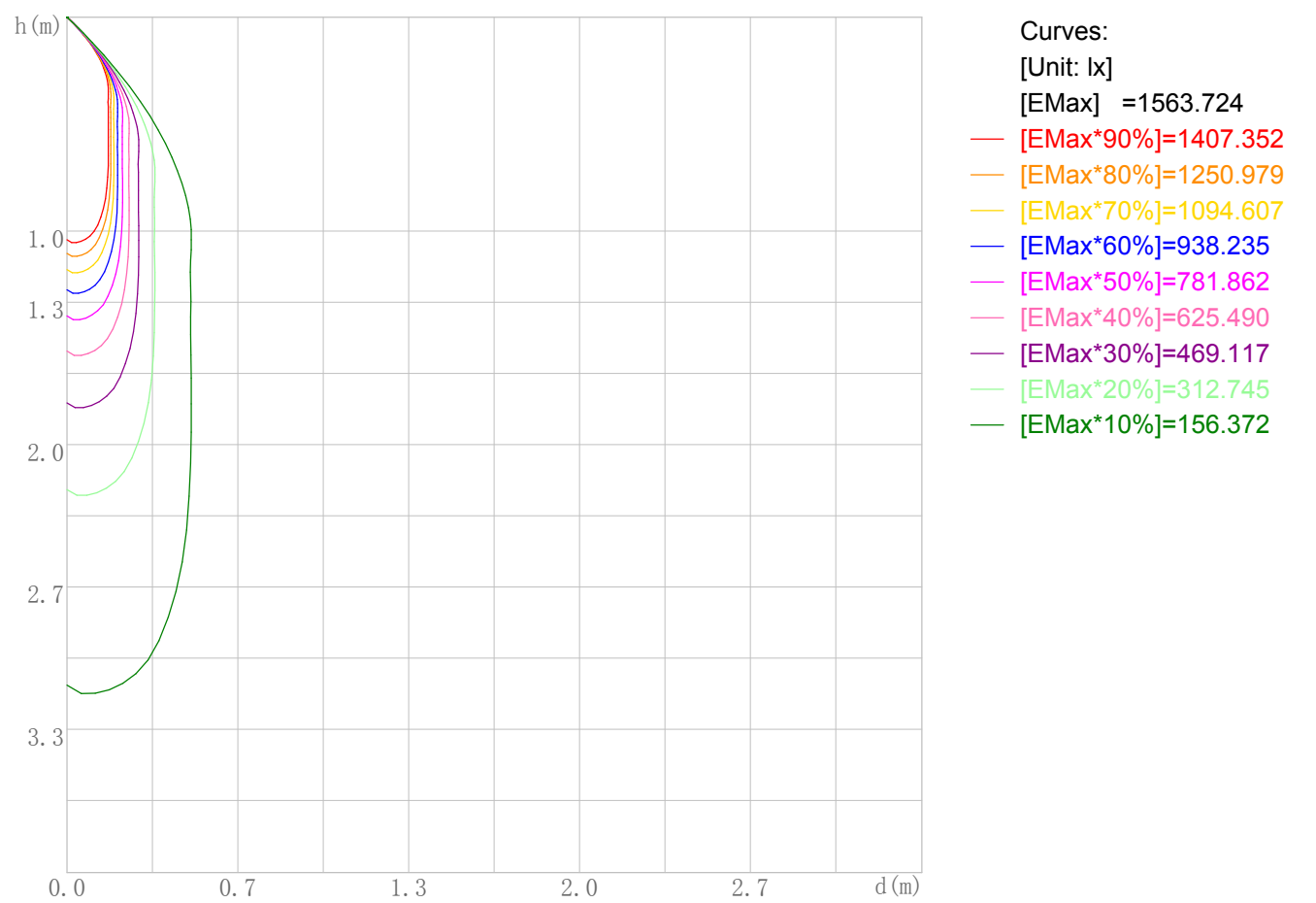




Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30

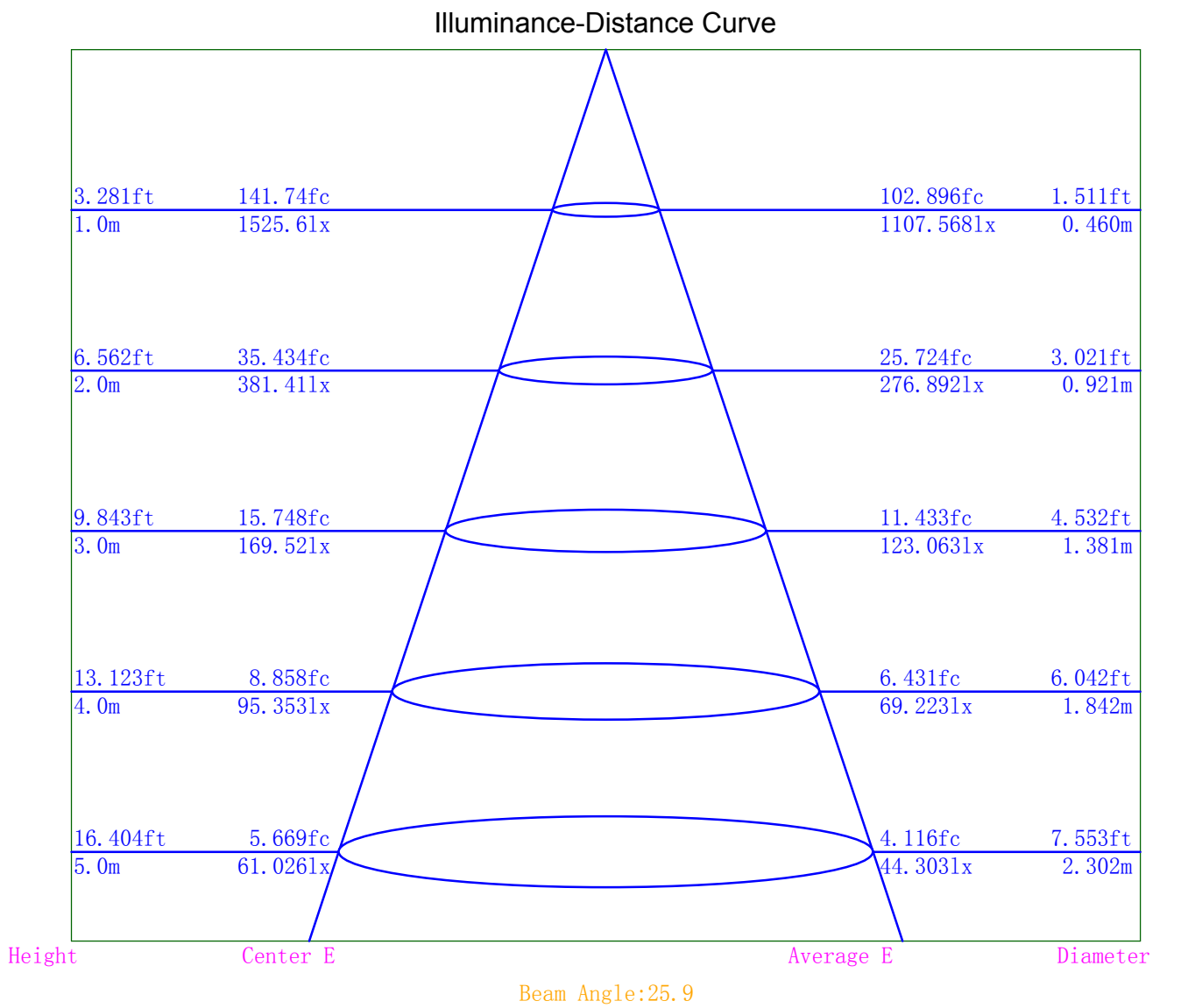
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1563.72lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:1566.270cd,0eg

Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30

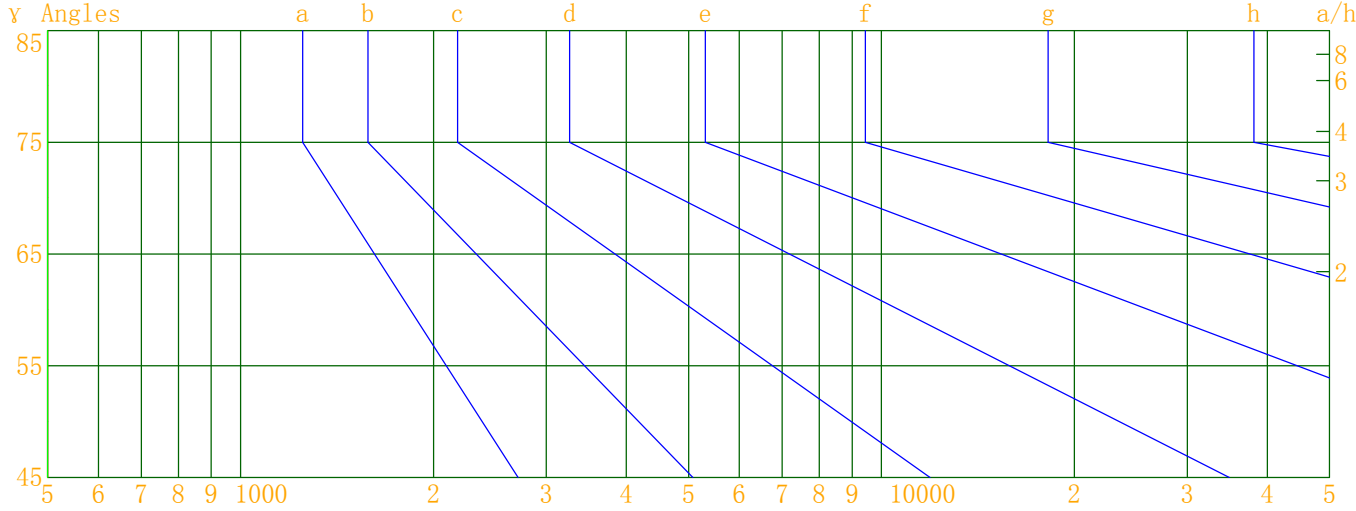
Glare Grade Table

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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

Luminance Limiting Curve



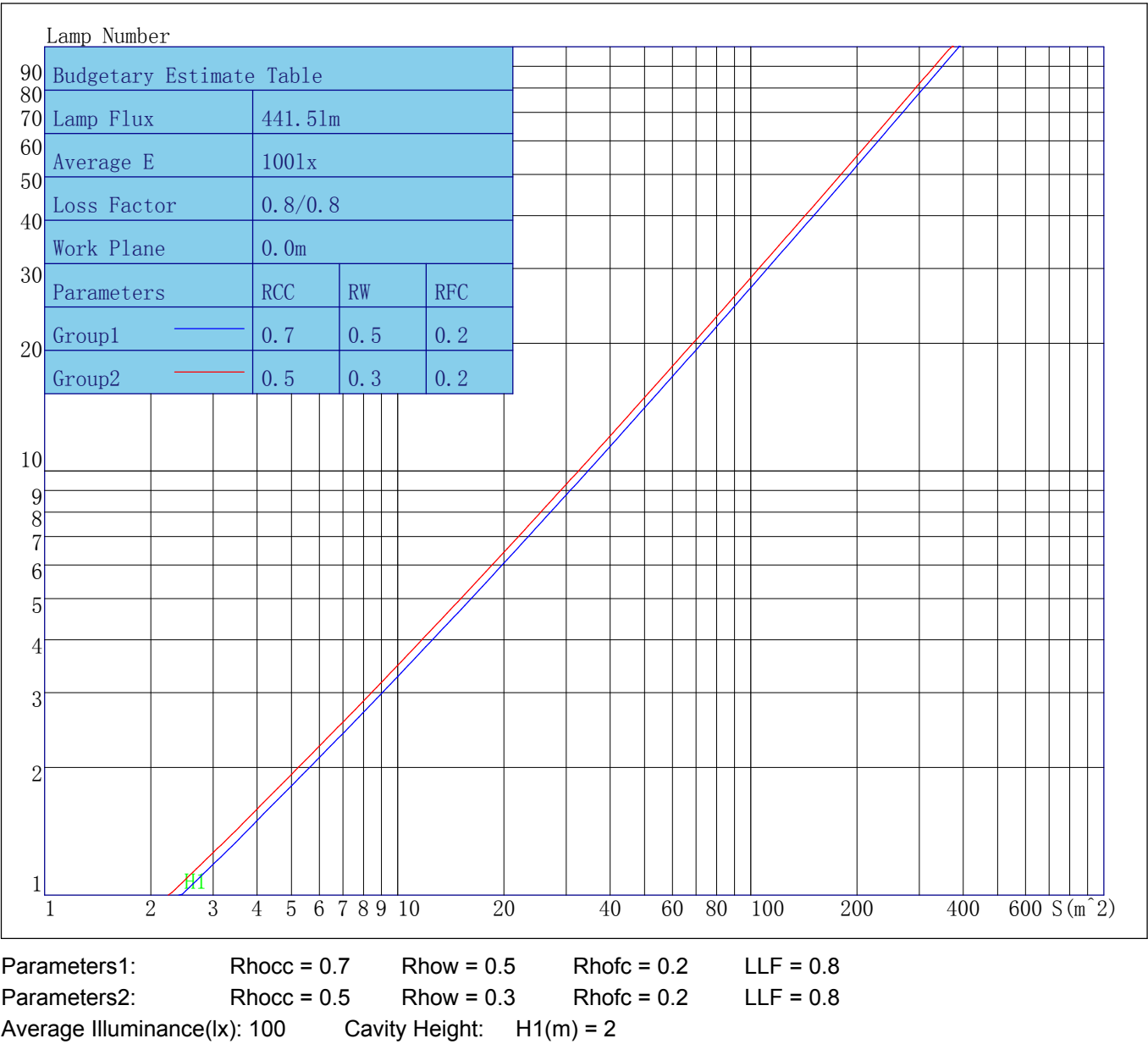
Luminous Size:    Length(m)=-0.050    Width(m)=-0.050    Height(m)=0.000    Area(m^2)=0.001963

Luminous Type:    Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/01/30

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	115	112	110	109	112	110	108	107	106	105	104	103	102	100	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	106	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	83	79	77	82	78	76	75
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67

### Unified Glare Rating Table

<b>Lum. Name:</b>	<b>Lum. Catalog:</b>	<b>Test ID:</b>
<b>Lamp Name:</b>	<b>Lamp Catalog:</b>	<b>Test Lab:</b>
<b>Manufacture:</b>	<b>Test Machine:GON-2000</b>	<b>Test Date: 2018/01/30</b>

### 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	13.7	14.6	14.1	14.9	15.3	12.8	13.7	13.2	14.0	14.3
	13.5	14.3	13.9	14.6	15.0	12.6	13.4	13.0	13.7	14.1
	13.4	14.1	13.8	14.5	14.9	12.5	13.2	12.9	13.6	13.9
	13.3	13.9	13.7	14.3	14.7	12.4	13.0	12.8	13.4	13.8
	13.2	13.8	13.7	14.2	14.6	12.3	12.9	12.7	13.3	13.7
	13.2	13.8	13.6	14.1	14.6	12.2	12.8	12.7	13.2	13.6
X=4H    Y=2H	13.4	14.1	13.8	14.5	14.9	12.5	13.2	12.9	13.6	13.9
	13.2	13.8	13.6	14.2	14.6	12.3	12.8	12.7	13.2	13.7
	13.1	13.6	13.5	14.0	14.4	12.1	12.6	12.6	13.1	13.5
	12.9	13.4	13.4	13.8	14.3	12.0	12.4	12.5	12.9	13.4
	12.9	13.3	13.3	13.7	14.2	11.9	12.3	12.4	12.8	13.3
	12.8	13.1	13.3	13.6	14.1	11.9	12.2	12.3	12.7	13.2
X=8H    Y=4H	12.9	13.3	13.3	13.7	14.2	11.9	12.3	12.4	12.8	13.3
	12.7	13.0	13.2	13.5	14.1	11.8	12.1	12.3	12.6	13.1
	12.6	12.9	13.2	13.5	13.9	11.7	12.0	12.3	12.5	13.0
	12.6	12.8	13.1	13.3	13.9	11.7	11.9	12.2	12.4	13.0
X=12H    Y=4H	12.8	13.1	13.3	13.6	14.1	11.9	12.2	12.3	12.7	13.2
	12.6	12.9	13.2	13.4	14.0	11.7	12.0	12.3	12.5	13.0
	12.6	12.8	13.1	13.3	13.9	11.7	11.9	12.2	12.4	13.0
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	0.0/0.0					0.0/0.0				
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-6W-COB-220V.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
Y 0. 0	1525. 64	1525. 64	1525. 64	1525. 64	1525. 64	1525. 64	1525. 64	1525. 64	1525. 64	1525. 64	1525. 64	1525. 64
Y 1. 0	1564. 44	1552. 33	1538. 62	1518. 77	1496. 51	1482. 58	1536. 85	1516. 72	1513. 21	1504. 07	1501. 92	1500. 56
Y 2. 0	1566. 27	1555. 35	1530. 32	1509. 86	1478. 12	1465. 69	1518. 91	1498. 83	1498. 43	1495. 30	1498. 94	1504. 07
Y 3. 0	1553. 34	1542. 02	1507. 83	1485. 69	1448. 68	1439. 28	1501. 96	1484. 32	1486. 94	1487. 03	1494. 49	1502. 33
Y 4. 0	1528. 34	1518. 08	1473. 55	1450. 92	1410. 10	1404. 91	1480. 24	1471. 35	1476. 17	1476. 33	1484. 98	1491. 84
Y 5. 0	1489. 86	1481. 68	1427. 61	1405. 09	1361. 95	1362. 90	1448. 05	1449. 41	1463. 01	1455. 18	1465. 67	1468. 05
Y 6. 0	1435. 86	1432. 33	1370. 63	1348. 58	1303. 51	1310. 83	1405. 05	1411. 61	1435. 63	1421. 41	1432. 95	1425. 32
Y 7. 0	1359. 40	1363. 09	1296. 06	1276. 58	1230. 15	1249. 63	1352. 32	1358. 78	1391. 59	1372. 90	1381. 71	1362. 47
Y 8. 0	1267. 59	1279. 34	1208. 97	1194. 18	1144. 92	1172. 40	1289. 56	1292. 59	1328. 30	1302. 82	1307. 87	1283. 58
Y 9. 0	1169. 64	1184. 50	1113. 14	1102. 36	1054. 74	1087. 88	1213. 86	1215. 10	1250. 25	1216. 57	1218. 68	1192. 62
Y 10. 0	1063. 32	1082. 17	1010. 10	1003. 49	957. 97	996. 67	1125. 53	1123. 93	1159. 18	1115. 75	1119. 71	1093. 34
Y 11. 0	950. 94	973. 11	904. 10	900. 99	858. 42	901. 53	1030. 81	1024. 30	1056. 54	1008. 00	1012. 85	987. 13
Y 12. 0	838. 65	863. 04	802. 47	799. 69	758. 66	799. 42	929. 80	918. 20	947. 79	896. 68	902. 61	876. 42
Y 13. 0	735. 40	758. 42	706. 49	705. 12	666. 25	702. 88	822. 90	809. 68	838. 98	788. 93	794. 44	768. 82
Y 14. 0	644. 76	665. 91	619. 74	619. 67	584. 12	613. 89	721. 06	708. 36	735. 45	690. 78	697. 48	674. 36
Y 15. 0	566. 89	585. 66	546. 53	544. 96	513. 92	539. 00	630. 64	620. 72	644. 52	606. 91	612. 55	592. 97
Y 16. 0	501. 64	518. 03	484. 32	480. 77	455. 26	476. 86	556. 16	548. 74	566. 96	535. 09	539. 74	523. 36
Y 17. 0	446. 18	459. 46	429. 63	425. 05	404. 80	425. 16	490. 72	484. 60	500. 59	472. 20	475. 94	462. 60
Y 18. 0	400. 22	409. 79	383. 41	377. 40	362. 29	380. 72	436. 76	429. 23	443. 17	416. 78	421. 09	411. 44
Y 19. 0	363. 32	368. 09	345. 10	339. 02	330. 15	346. 16	390. 01	382. 27	393. 57	370. 68	375. 38	370. 27
Y 20. 0	332. 33	334. 65	312. 00	309. 32	303. 87	318. 98	354. 13	343. 89	351. 84	333. 49	340. 02	338. 58
Y 21. 0	302. 98	302. 95	283. 99	282. 62	278. 77	293. 77	326. 85	315. 65	318. 93	304. 58	311. 65	311. 42
Y 22. 0	278. 37	278. 52	260. 79	260. 84	258. 17	270. 27	301. 37	290. 45	293. 83	281. 01	287. 22	286. 27
Y 23. 0	258. 77	257. 65	242. 51	242. 62	241. 56	251. 79	275. 23	266. 21	270. 02	259. 23	264. 47	263. 73
Y 24. 0	242. 53	241. 02	228. 03	227. 92	227. 02	236. 95	256. 62	247. 68	250. 97	242. 42	246. 65	246. 04
Y 25. 0	227. 24	225. 82	213. 84	214. 82	214. 24	223. 08	242. 01	233. 57	235. 11	228. 36	231. 52	231. 12
Y 26. 0	212. 19	211. 73	200. 56	202. 68	201. 37	209. 55	228. 31	220. 69	222. 31	216. 36	219. 19	216. 72
Y 27. 0	197. 22	197. 54	187. 41	191. 01	189. 19	196. 18	214. 15	208. 11	210. 29	205. 20	206. 76	202. 76
Y 28. 0	180. 14	182. 44	173. 65	178. 52	175. 49	181. 70	199. 95	195. 41	198. 66	194. 46	194. 98	188. 59
Y 29. 0	162. 50	165. 75	158. 73	164. 32	160. 03	165. 87	184. 14	181. 50	186. 76	183. 54	182. 23	173. 42
Y 30. 0	144. 82	147. 74	141. 45	147. 11	143. 35	148. 93	167. 56	165. 54	173. 72	170. 89	168. 20	156. 74
Y 31. 0	127. 30	129. 59	121. 55	127. 47	125. 32	131. 67	150. 32	148. 39	159. 11	155. 57	152. 32	139. 79
Y 32. 0	109. 95	110. 56	100. 51	106. 63	105. 86	114. 29	133. 15	130. 74	142. 35	136. 49	135. 01	122. 17
Y 33. 0	92. 53	92. 04	80. 08	86. 08	85. 81	97. 69	116. 19	112. 98	122. 79	116. 20	116. 14	104. 90
Y 34. 0	75. 82	74. 31	60. 74	65. 98	66. 80	80. 81	99. 12	94. 42	101. 90	95. 23	96. 72	88. 60
Y 35. 0	60. 49	57. 46	43. 42	47. 07	50. 15	64. 57	82. 24	76. 45	81. 26	73. 98	76. 67	71. 97
Y 36. 0	45. 81	41. 70	29. 10	30. 57	35. 17	49. 64	66. 49	59. 54	61. 38	54. 04	58. 05	55. 80
Y 37. 0	31. 89	28. 23	17. 91	19. 09	23. 04	35. 73	51. 67	43. 81	43. 69	36. 20	41. 60	41. 05
Y 38. 0	19. 48	17. 59	10. 07	11. 41	14. 28	23. 86	37. 54	30. 16	29. 39	22. 20	28. 04	27. 82
Y 39. 0	10. 38	9. 61	5. 28	6. 42	8. 40	14. 94	24. 74	19. 30	17. 95	13. 00	17. 22	16. 84
Y 40. 0	4. 77	4. 27	2. 44	3. 45	4. 78	9. 19	14. 70	11. 15	10. 29	7. 26	9. 33	8. 96
Y 41. 0	2. 04	1. 84	1. 32	2. 05	3. 29	5. 58	8. 09	5. 94	5. 41	3. 54	4. 43	4. 31
Y 42. 0	0. 91	0. 93	0. 53	1. 10	2. 40	4. 23	4. 57	3. 32	2. 48	0. 89	1. 58	2. 01
Y 43. 0	0. 18	0. 00	0. 08	0. 70	1. 60	3. 59	3. 44	2. 22	1. 27	0. 11	0. 49	1. 24
Y 44. 0	0. 00	0. 00	0. 00	0. 12	0. 63	3. 11	2. 39	1. 34	0. 77	0. 00	0. 00	0. 95
Y 45. 0	0. 00	0. 00	0. 14	0. 00	0. 38	2. 31	1. 47	0. 76	0. 73	0. 00	0. 00	0. 27
Y 46. 0	0. 00	0. 00	0. 30	0. 00	0. 00	2. 27	0. 93	0. 33	0. 54	0. 00	0. 00	0. 45

**IES Indoor Report**  
**Photometric Filename:UL-6W-COB-220V.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
Y 47. 0	0. 00	0. 00	0. 19	0. 00	0. 00	2. 23	0. 63	0. 15	0. 68	0. 00	0. 00	0. 58
Y 48. 0	0. 00	0. 00	0. 11	0. 00	0. 00	2. 05	0. 11	0. 00	0. 79	0. 00	0. 00	0. 51
Y 49. 0	0. 00	0. 00	0. 38	0. 00	0. 00	2. 19	0. 00	0. 00	0. 61	0. 00	0. 00	0. 64
Y 50. 0	0. 00	0. 00	0. 92	0. 00	0. 00	2. 72	0. 00	0. 00	0. 40	0. 00	0. 00	1. 22
Y 51. 0	0. 00	0. 00	1. 41	0. 00	0. 00	3. 06	0. 00	0. 00	0. 69	0. 00	0. 00	1. 56
Y 52. 0	0. 00	0. 00	1. 21	0. 00	0. 00	2. 78	0. 00	0. 00	1. 43	0. 00	0. 00	1. 46
Y 53. 0	0. 00	0. 00	1. 02	0. 00	0. 00	2. 25	0. 00	0. 00	1. 41	0. 00	0. 00	1. 35
Y 54. 0	0. 00	0. 00	1. 06	0. 00	0. 00	2. 24	0. 00	0. 00	1. 34	0. 00	0. 00	0. 94
Y 55. 0	0. 00	0. 00	0. 92	0. 00	0. 00	1. 83	0. 00	0. 00	1. 26	0. 00	0. 00	0. 70
Y 56. 0	0. 00	0. 00	0. 24	0. 00	0. 00	0. 97	0. 00	0. 00	1. 36	0. 00	0. 00	0. 25
Y 57. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 11	0. 00	0. 00	0. 84	0. 00	0. 00	0. 00
Y 58. 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
Y 59. 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
Y 60. 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
Y 61. 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
Y 62. 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
Y 63. 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
Y 64. 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
Y 65. 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
Y 66. 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
Y 67. 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
Y 68. 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
Y 69. 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
Y 70. 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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-6W-COB-220V.IES**

## Candela Tabulation - (Cont.)

[illegible]

**IES Indoor Report**  
**Photometric Filename:UL-6W-COB-220V.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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 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
Y 154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Y 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00