

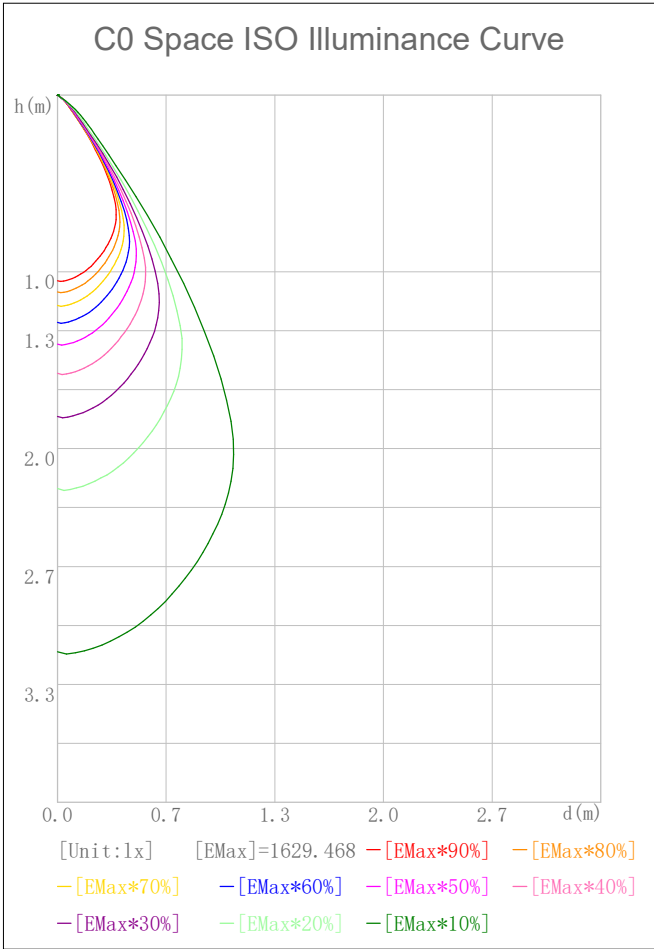
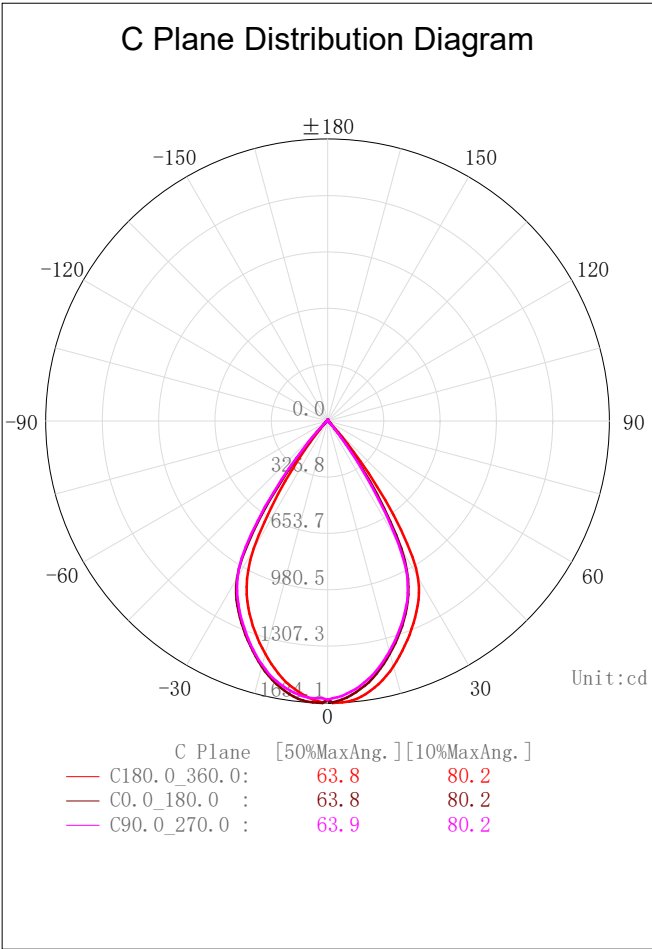
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2025/03/22
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

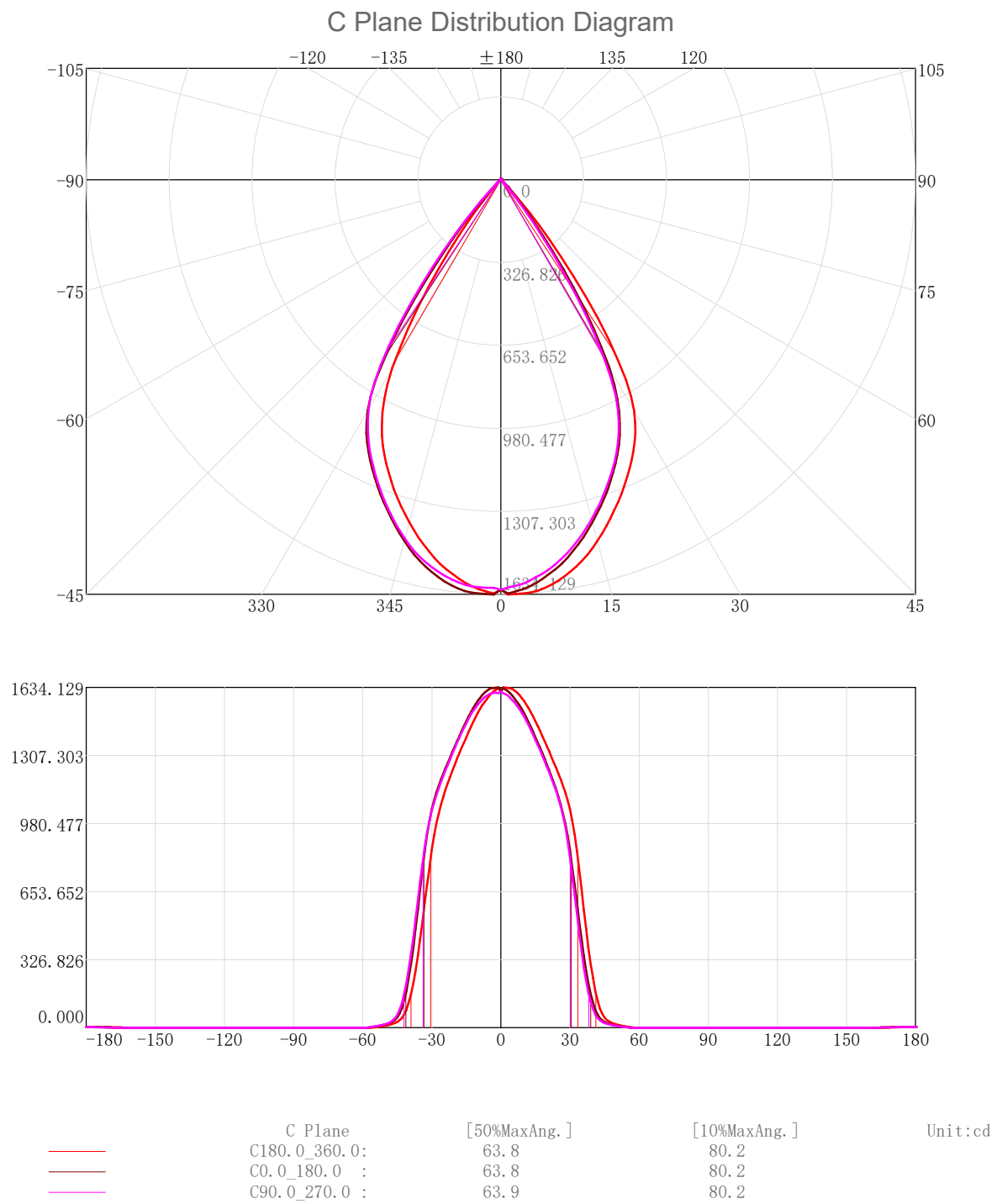
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1455.840	Luminary Flux(lm): 1455.841	Field Angle(10%Imax): 80.2(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1455.210lm 99.96%	
Rated Voltage(V):	Luminary EER(lm/W): 83.143	Up Lumens&Percent: 0.631lm 0.04%	
Tested Power(W): 17.510	Max. Candela(cd): 1634.129	S/MH: C0_a180=0.991 C90_270=0.983	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):229.9, 0.082, 0.921		ErP Φuse(90°): 1437.687lm	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m		IRF(%): 230.651	
		Beam Angle(50%Imax): 63.8(°)	
		Left=-30.4°, Right=33.4°	



2D Plane Light Intensity Distribution Curve

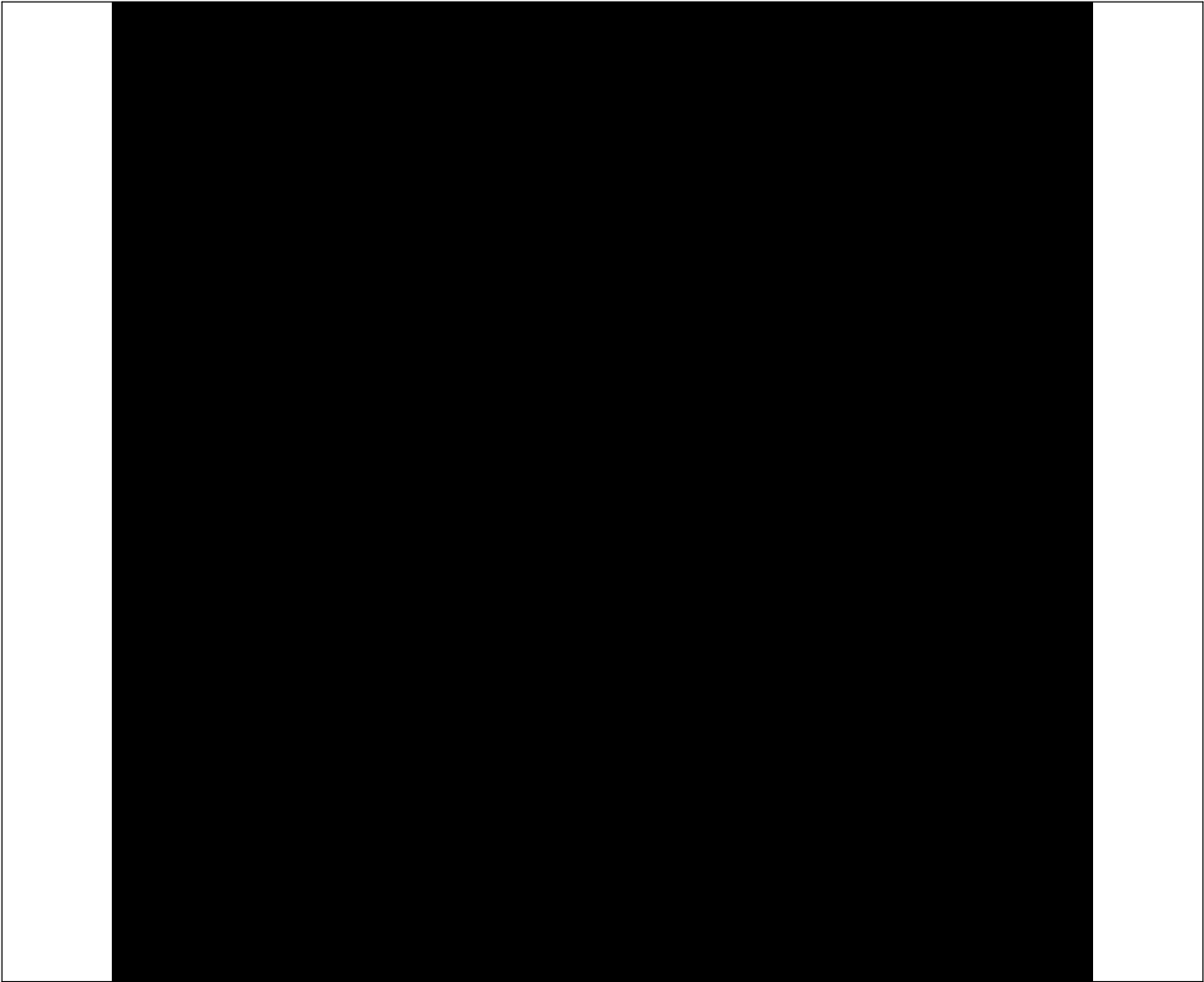
Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/03/22



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: 2025/03/22

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:UL-18W-COB-1800-FH(N)-60D-3000K.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	1.54	1.54	0.11	0.11	47.0-48.0	1.89	1447.88	0.13	99.45
1.0-2.0	4.62	6.16	0.32	0.42	48.0-49.0	1.56	1449.44	0.11	99.56
2.0-3.0	7.68	13.85	0.53	0.95	49.0-50.0	1.30	1450.74	0.09	99.65
3.0-4.0	10.72	24.57	0.74	1.69	50.0-51.0	1.09	1451.83	0.07	99.72
4.0-5.0	13.72	38.29	0.94	2.63	51.0-52.0	0.90	1452.73	0.06	99.79
5.0-6.0	16.67	54.96	1.15	3.78	52.0-53.0	0.73	1453.47	0.05	99.84
6.0-7.0	19.56	74.52	1.34	5.12	53.0-54.0	0.58	1454.05	0.04	99.88
7.0-8.0	22.37	96.89	1.54	6.66	54.0-55.0	0.44	1454.49	0.03	99.91
8.0-9.0	25.10	121.99	1.72	8.38	55.0-56.0	0.32	1454.81	0.02	99.93
9.0-10.0	27.75	149.74	1.91	10.29	56.0-57.0	0.21	1455.02	0.01	99.94
10.0-11.0	30.29	180.03	2.08	12.37	57.0-58.0	0.12	1455.14	0.01	99.95
11.0-12.0	32.73	212.77	2.25	14.61	58.0-59.0	0.06	1455.19	0.00	99.96
12.0-13.0	35.06	247.83	2.41	17.02	59.0-60.0	0.02	1455.21	0.00	99.96
13.0-14.0	37.27	285.10	2.56	19.58	60.0-61.0	0.00	1455.21	0.00	99.96
14.0-15.0	39.36	324.46	2.70	22.29	61.0-62.0	0.00	1455.21	0.00	99.96
15.0-16.0	41.33	365.79	2.84	25.13	62.0-63.0	0.00	1455.21	0.00	99.96
16.0-17.0	43.19	408.98	2.97	28.09	63.0-64.0	0.00	1455.21	0.00	99.96
17.0-18.0	44.91	453.89	3.08	31.18	64.0-65.0	0.00	1455.21	0.00	99.96
18.0-19.0	46.50	500.39	3.19	34.37	65.0-66.0	0.00	1455.21	0.00	99.96
19.0-20.0	47.97	548.37	3.30	37.67	66.0-67.0	0.00	1455.21	0.00	99.96
20.0-21.0	49.33	597.69	3.39	41.05	67.0-68.0	0.00	1455.21	0.00	99.96
21.0-22.0	50.55	648.24	3.47	44.53	68.0-69.0	0.00	1455.21	0.00	99.96
22.0-23.0	51.61	699.85	3.54	48.07	69.0-70.0	0.00	1455.21	0.00	99.96
23.0-24.0	52.51	752.36	3.61	51.68	70.0-71.0	0.00	1455.21	0.00	99.96
24.0-25.0	53.23	805.58	3.66	55.33	71.0-72.0	0.00	1455.21	0.00	99.96
25.0-26.0	53.72	859.30	3.69	59.02	72.0-73.0	0.00	1455.21	0.00	99.96
26.0-27.0	53.93	913.24	3.70	62.73	73.0-74.0	0.00	1455.21	0.00	99.96
27.0-28.0	53.77	967.01	3.69	66.42	74.0-75.0	0.00	1455.21	0.00	99.96
28.0-29.0	53.11	1020.12	3.65	70.07	75.0-76.0	0.00	1455.21	0.00	99.96
29.0-30.0	51.85	1071.97	3.56	73.63	76.0-77.0	0.00	1455.21	0.00	99.96
30.0-31.0	49.94	1121.91	3.43	77.06	77.0-78.0	0.00	1455.21	0.00	99.96
31.0-32.0	47.39	1169.30	3.26	80.32	78.0-79.0	0.00	1455.21	0.00	99.96
32.0-33.0	44.16	1213.46	3.03	83.35	79.0-80.0	0.00	1455.21	0.00	99.96
33.0-34.0	40.33	1253.79	2.77	86.12	80.0-81.0	0.00	1455.21	0.00	99.96
34.0-35.0	36.08	1289.87	2.48	88.60	81.0-82.0	0.00	1455.21	0.00	99.96
35.0-36.0	31.59	1321.46	2.17	90.77	82.0-83.0	0.00	1455.21	0.00	99.96
36.0-37.0	27.04	1348.50	1.86	92.63	83.0-84.0	0.00	1455.21	0.00	99.96
37.0-38.0	22.63	1371.13	1.55	94.18	84.0-85.0	0.00	1455.21	0.00	99.96
38.0-39.0	18.51	1389.64	1.27	95.45	85.0-86.0	0.00	1455.21	0.00	99.96
39.0-40.0	14.81	1404.45	1.02	96.47	86.0-87.0	0.00	1455.21	0.00	99.96
40.0-41.0	11.61	1416.05	0.80	97.27	87.0-88.0	0.00	1455.21	0.00	99.96
41.0-42.0	8.92	1424.97	0.61	97.88	88.0-89.0	0.00	1455.21	0.00	99.96
42.0-43.0	6.76	1431.74	0.46	98.34	89.0-90.0	0.00	1455.21	0.00	99.96
43.0-44.0	5.09	1436.83	0.35	98.69	90.0-91.0	0.00	1455.21	0.00	99.96
44.0-45.0	3.85	1440.68	0.26	98.96	91.0-92.0	0.00	1455.21	0.00	99.96
45.0-46.0	2.97	1443.65	0.20	99.16	92.0-93.0	0.00	1455.21	0.00	99.96
46.0-47.0	2.34	1445.99	0.16	99.32	93.0-94.0	0.00	1455.21	0.00	99.96

IES Indoor Report

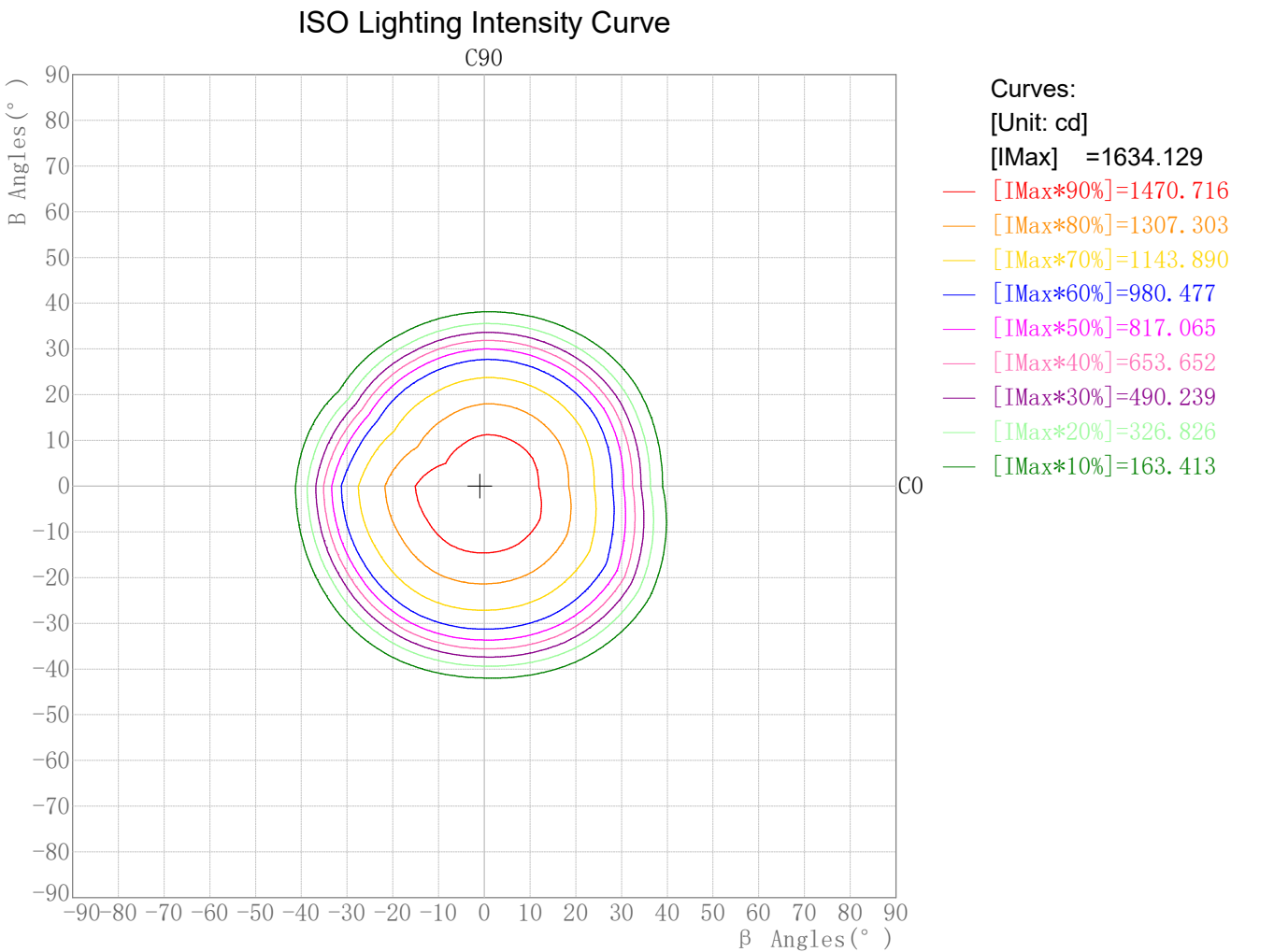
Photometric Filename:UL-18W-COB-1800-FH(N)-60D-3000K.IES

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	1455.21	0.00	99.96	141.0-142.0	0.00	1455.21	0.00	99.96
95.0-96.0	0.00	1455.21	0.00	99.96	142.0-143.0	0.00	1455.21	0.00	99.96
96.0-97.0	0.00	1455.21	0.00	99.96	143.0-144.0	0.00	1455.21	0.00	99.96
97.0-98.0	0.00	1455.21	0.00	99.96	144.0-145.0	0.00	1455.21	0.00	99.96
98.0-99.0	0.00	1455.21	0.00	99.96	145.0-146.0	0.00	1455.21	0.00	99.96
99.0-100.0	0.00	1455.21	0.00	99.96	146.0-147.0	0.00	1455.21	0.00	99.96
100.0-101.0	0.00	1455.21	0.00	99.96	147.0-148.0	0.00	1455.21	0.00	99.96
101.0-102.0	0.00	1455.21	0.00	99.96	148.0-149.0	0.00	1455.21	0.00	99.96
102.0-103.0	0.00	1455.21	0.00	99.96	149.0-150.0	0.00	1455.21	0.00	99.96
103.0-104.0	0.00	1455.21	0.00	99.96	150.0-151.0	0.00	1455.21	0.00	99.96
104.0-105.0	0.00	1455.21	0.00	99.96	151.0-152.0	0.00	1455.21	0.00	99.96
105.0-106.0	0.00	1455.21	0.00	99.96	152.0-153.0	0.00	1455.21	0.00	99.96
106.0-107.0	0.00	1455.21	0.00	99.96	153.0-154.0	0.00	1455.21	0.00	99.96
107.0-108.0	0.00	1455.21	0.00	99.96	154.0-155.0	0.00	1455.21	0.00	99.96
108.0-109.0	0.00	1455.21	0.00	99.96	155.0-156.0	0.00	1455.21	0.00	99.96
109.0-110.0	0.00	1455.21	0.00	99.96	156.0-157.0	0.00	1455.21	0.00	99.96
110.0-111.0	0.00	1455.21	0.00	99.96	157.0-158.0	0.00	1455.21	0.00	99.96
111.0-112.0	0.00	1455.21	0.00	99.96	158.0-159.0	0.00	1455.21	0.00	99.96
112.0-113.0	0.00	1455.21	0.00	99.96	159.0-160.0	0.01	1455.22	0.00	99.96
113.0-114.0	0.00	1455.21	0.00	99.96	160.0-161.0	0.01	1455.24	0.00	99.96
114.0-115.0	0.00	1455.21	0.00	99.96	161.0-162.0	0.02	1455.25	0.00	99.96
115.0-116.0	0.00	1455.21	0.00	99.96	162.0-163.0	0.02	1455.28	0.00	99.96
116.0-117.0	0.00	1455.21	0.00	99.96	163.0-164.0	0.03	1455.30	0.00	99.96
117.0-118.0	0.00	1455.21	0.00	99.96	164.0-165.0	0.03	1455.33	0.00	99.97
118.0-119.0	0.00	1455.21	0.00	99.96	165.0-166.0	0.04	1455.37	0.00	99.97
119.0-120.0	0.00	1455.21	0.00	99.96	166.0-167.0	0.04	1455.41	0.00	99.97
120.0-121.0	0.00	1455.21	0.00	99.96	167.0-168.0	0.04	1455.45	0.00	99.97
121.0-122.0	0.00	1455.21	0.00	99.96	168.0-169.0	0.05	1455.50	0.00	99.98
122.0-123.0	0.00	1455.21	0.00	99.96	169.0-170.0	0.05	1455.54	0.00	99.98
123.0-124.0	0.00	1455.21	0.00	99.96	170.0-171.0	0.05	1455.59	0.00	99.98
124.0-125.0	0.00	1455.21	0.00	99.96	171.0-172.0	0.05	1455.63	0.00	99.99
125.0-126.0	0.00	1455.21	0.00	99.96	172.0-173.0	0.04	1455.68	0.00	99.99
126.0-127.0	0.00	1455.21	0.00	99.96	173.0-174.0	0.04	1455.72	0.00	99.99
127.0-128.0	0.00	1455.21	0.00	99.96	174.0-175.0	0.04	1455.75	0.00	99.99
128.0-129.0	0.00	1455.21	0.00	99.96	175.0-176.0	0.03	1455.78	0.00	100.00
129.0-130.0	0.00	1455.21	0.00	99.96	176.0-177.0	0.02	1455.81	0.00	100.00
130.0-131.0	0.00	1455.21	0.00	99.96	177.0-178.0	0.02	1455.83	0.00	100.00
131.0-132.0	0.00	1455.21	0.00	99.96	178.0-179.0	0.01	1455.84	0.00	100.00
132.0-133.0	0.00	1455.21	0.00	99.96	179.0-180.0	0.00	1455.84	0.00	100.00
133.0-134.0	0.00	1455.21	0.00	99.96					
134.0-135.0	0.00	1455.21	0.00	99.96					
135.0-136.0	0.00	1455.21	0.00	99.96					
136.0-137.0	0.00	1455.21	0.00	99.96					
137.0-138.0	0.00	1455.21	0.00	99.96					
138.0-139.0	0.00	1455.21	0.00	99.96					
139.0-140.0	0.00	1455.21	0.00	99.96					
140.0-141.0	0.00	1455.21	0.00	99.96					

Rectangle ISO Lighting Intensity Diagram

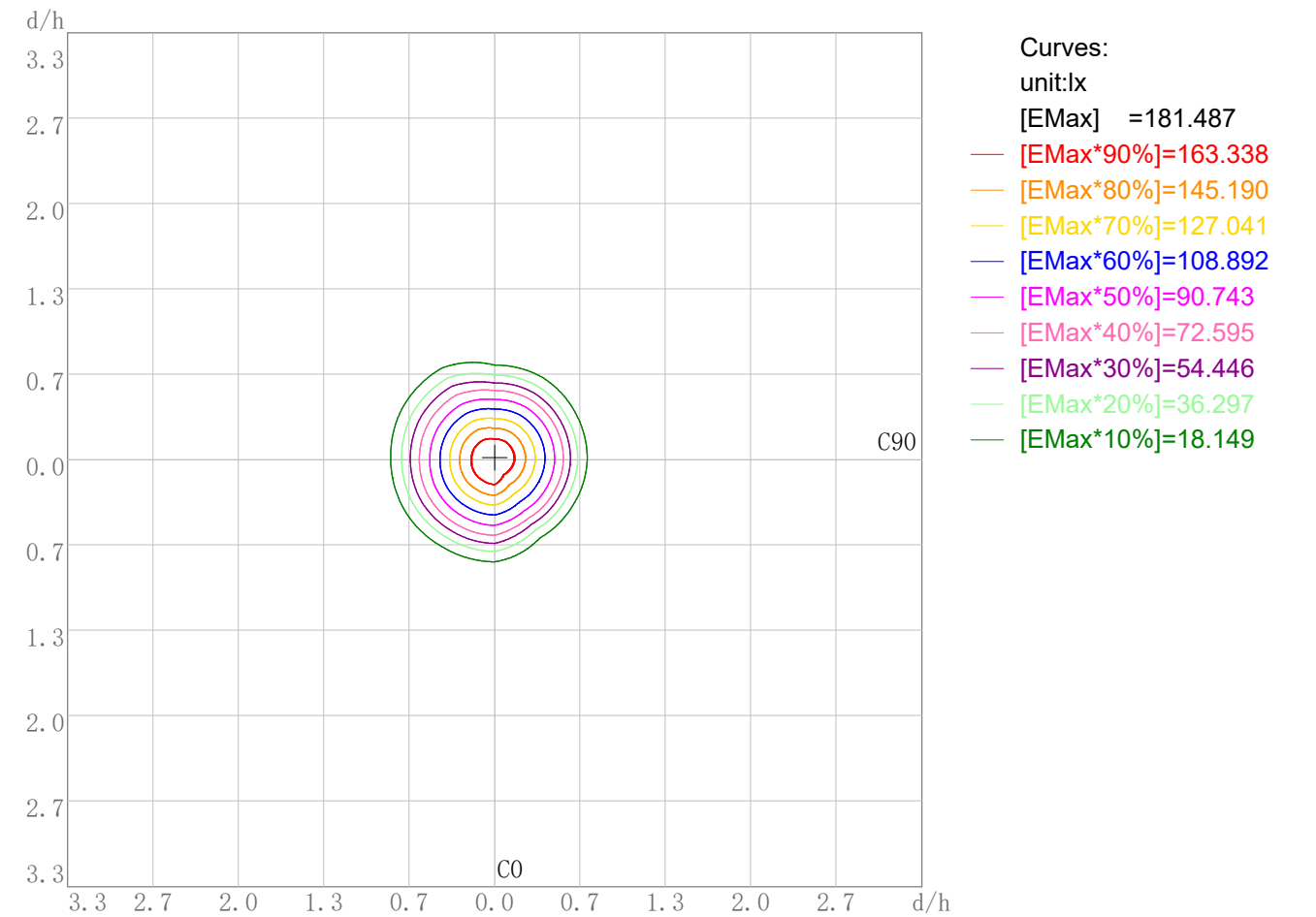
Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/03/22



Plane ISO-Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/03/22

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 181.49
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

Photometric Filename:UL-18W-COB-1800-FH(N)-60D-3000K.IES

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: 2025/03/22

3D Plane Illuminance Modal

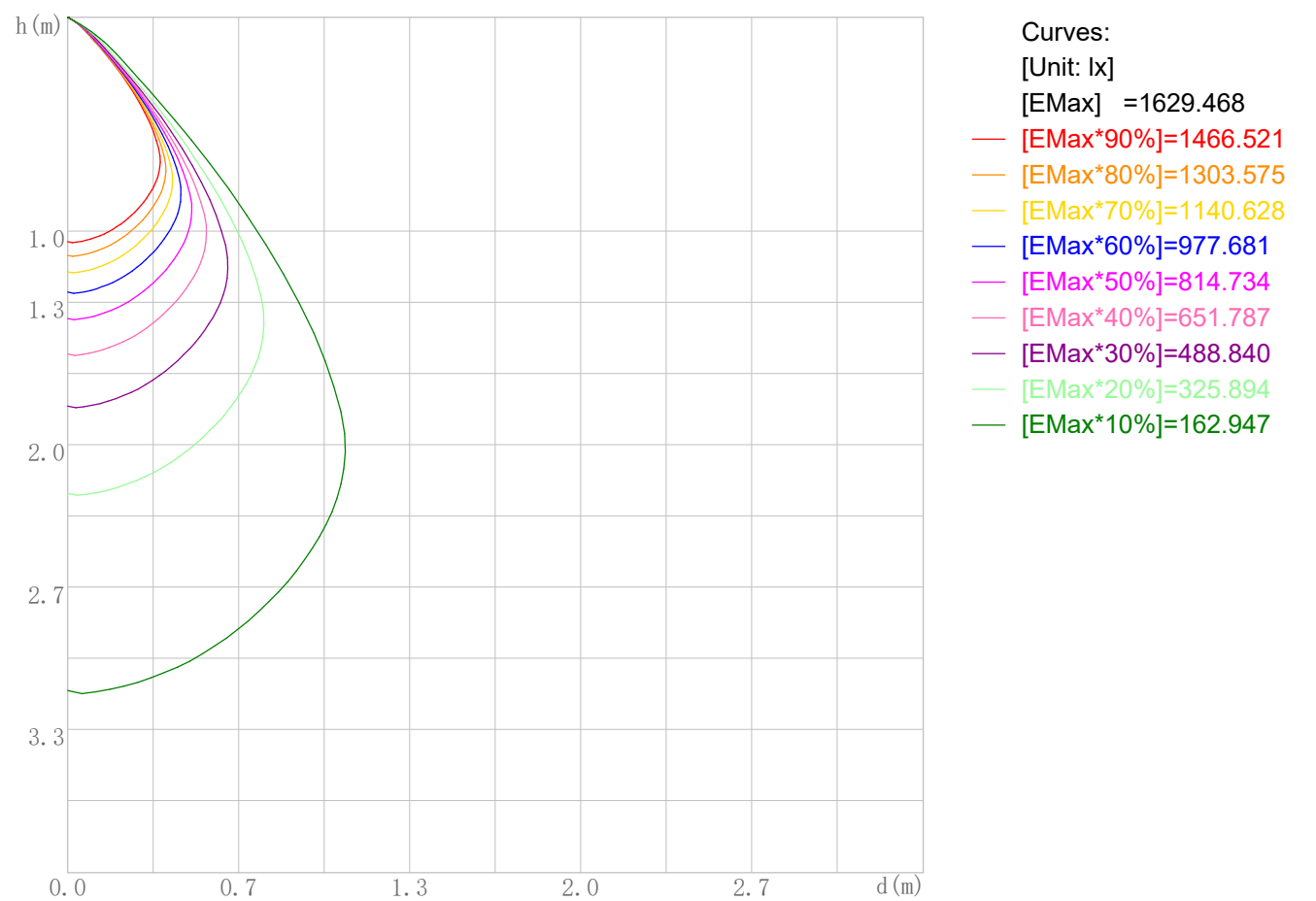


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/03/22

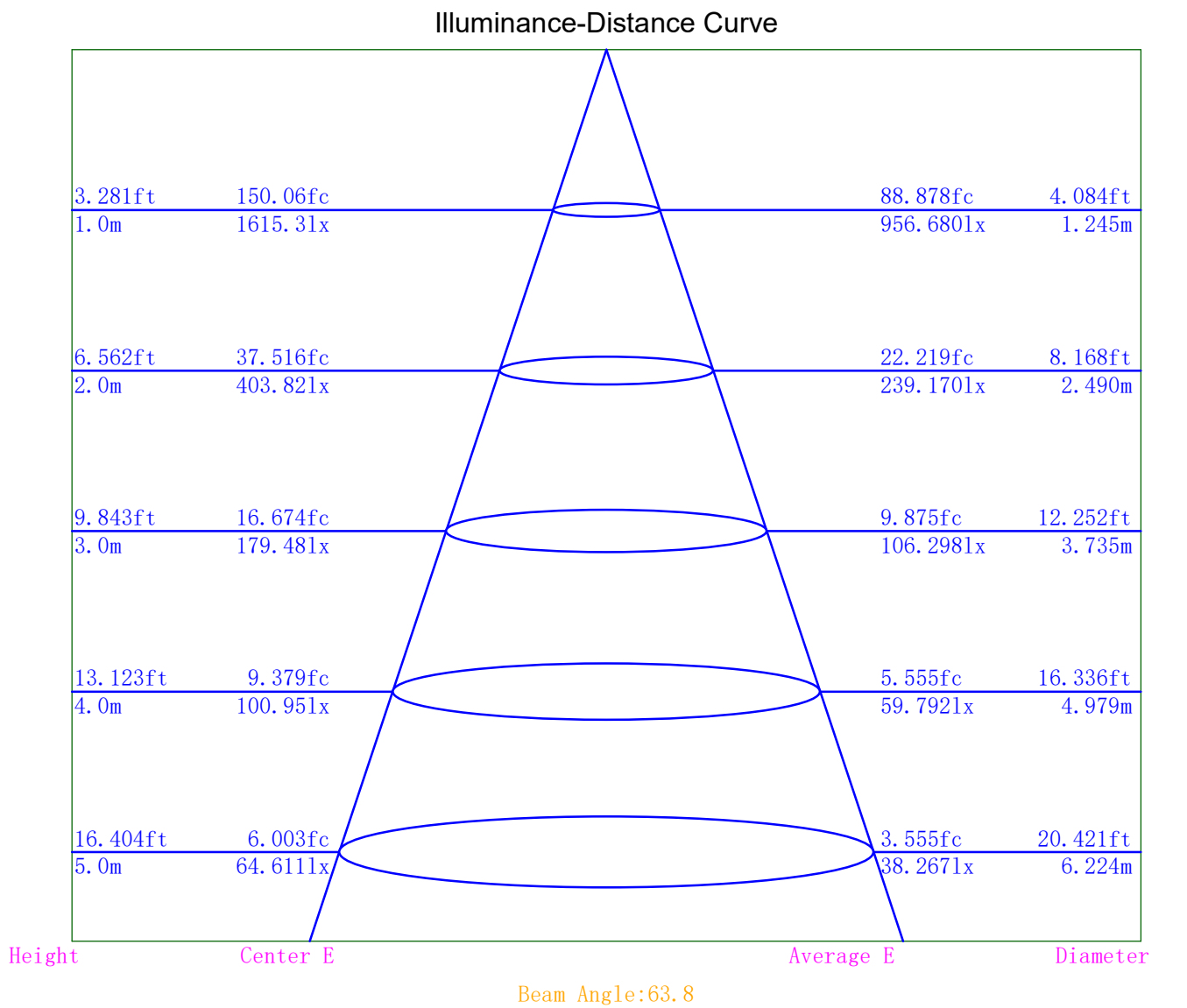
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1629.47lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:1630.213cd,0eg

Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/03/22



Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/03/22

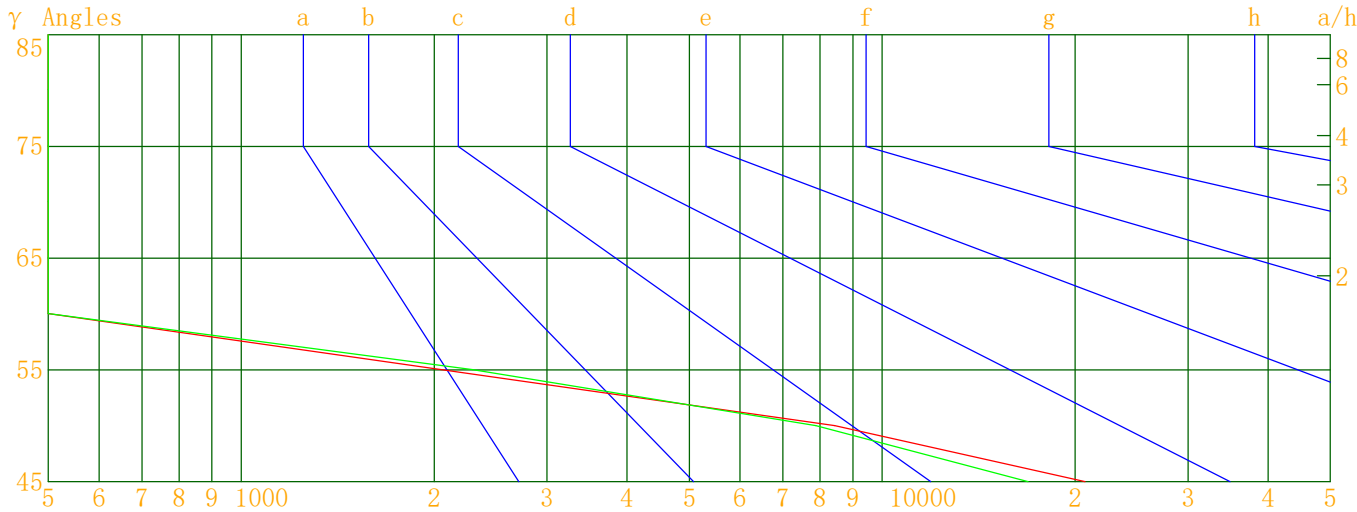
Glare Grade Table

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	20721	8433	2049	0	0	0	0	0	0
C90	16886	7877	2294	0	0	0	0	0	0

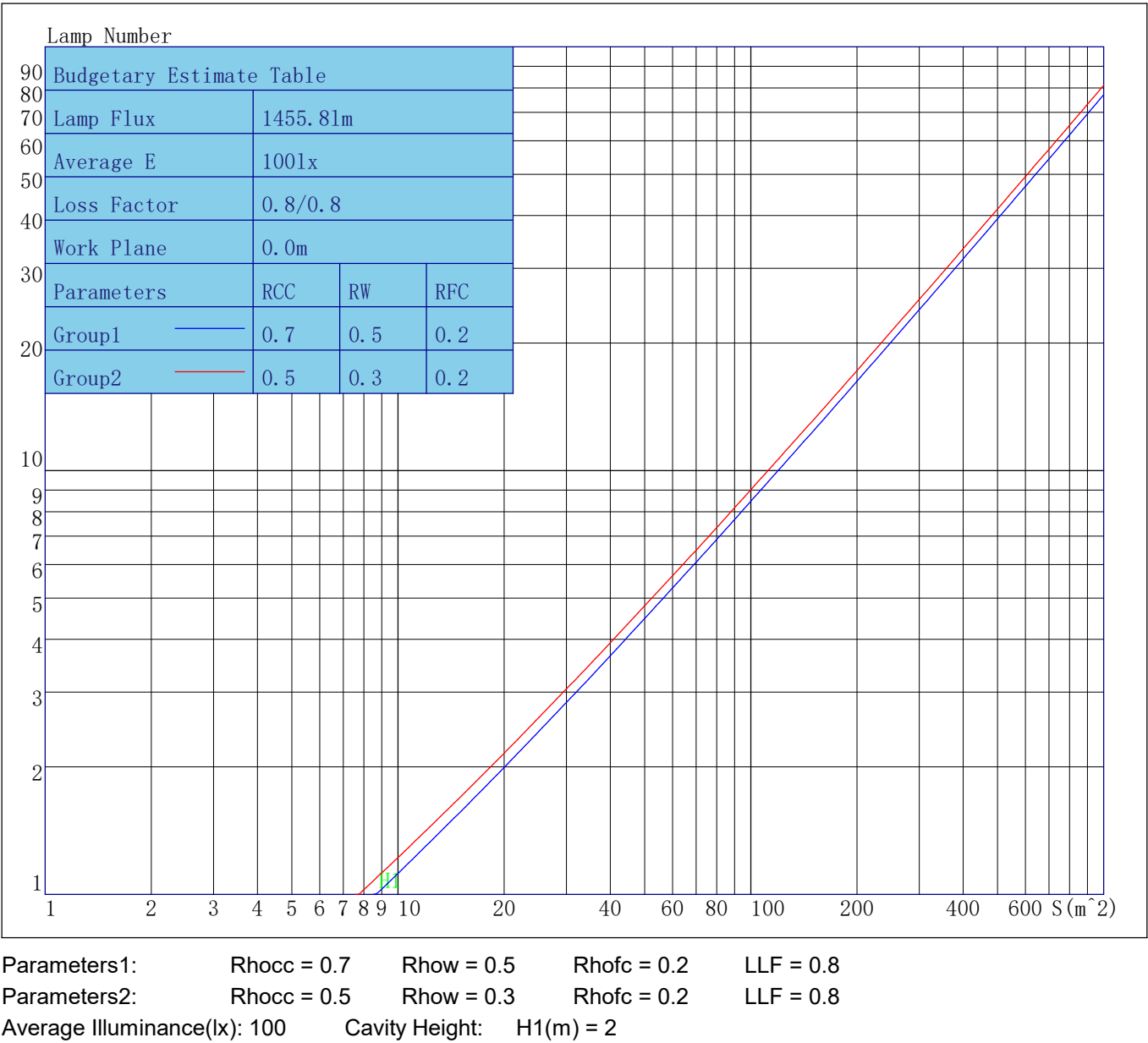
Luminance Limiting Curve



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: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/03/22



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: 2025/03/22

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82
4	98	90	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	64	59	56	55
10	73	63	57	54	72	63	57	53	62	57	53	61	56	53	60	56	53	52

Unified Glare Rating Table

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/03/22

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	24.1	25.0	24.5	25.3	25.6	21.8	22.7	22.1	23.0	23.3
	23.9	24.7	24.3	25.0	25.4	21.5	22.3	21.9	22.7	23.1
	23.8	24.5	24.2	24.9	25.3	21.4	22.2	21.8	22.5	22.9
	23.7	24.3	24.1	24.7	25.1	21.3	22.0	21.7	22.4	22.8
	23.6	24.2	24.0	24.6	25.0	21.3	21.9	21.7	22.3	22.7
	23.5	24.1	24.0	24.5	25.0	21.2	21.8	21.6	22.2	22.6
X=4H Y=2H	23.8	24.5	24.2	24.9	25.3	21.4	22.2	21.8	22.5	22.9
	23.6	24.2	24.0	24.6	25.0	21.2	21.8	21.6	22.2	22.6
	23.4	24.0	23.9	24.4	24.8	21.1	21.6	21.5	22.0	22.5
	23.3	23.8	23.8	24.2	24.7	21.0	21.4	21.4	21.9	22.4
	23.2	23.7	23.7	24.1	24.6	20.9	21.3	21.4	21.8	22.2
	23.2	23.5	23.7	24.0	24.5	20.8	21.2	21.3	21.7	22.2
X=8H Y=4H	23.2	23.7	23.7	24.1	24.6	20.9	21.3	21.4	21.8	22.2
	23.1	23.4	23.6	23.9	24.5	20.8	21.1	21.3	21.6	22.1
	23.0	23.3	23.6	23.8	24.3	20.7	21.0	21.2	21.5	22.0
	23.0	23.2	23.5	23.7	24.3	20.6	20.9	21.1	21.4	22.0
X=12H Y=4H	23.2	23.5	23.7	24.0	24.5	20.8	21.2	21.3	21.7	22.2
	23.0	23.3	23.6	23.8	24.3	20.7	21.0	21.2	21.5	22.0
	23.0	23.2	23.5	23.7	24.3	20.6	20.9	21.1	21.4	22.0
Variations with the objerver 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-18W-COB-1800-FH(N)-60D-3000K.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	1615.28	1615.28	1615.28	1615.28	1615.28	1615.28	1615.28	1615.28	1615.28	1615.28	1615.28	1615.28
γ 1.0	1630.21	1622.68	1612.58	1606.32	1596.08	1589.50	1634.13	1624.60	1615.49	1607.44	1600.58	1594.46
γ 2.0	1623.73	1618.93	1608.49	1601.60	1589.64	1582.29	1633.03	1623.80	1615.43	1608.07	1601.33	1595.59
γ 3.0	1616.07	1611.80	1601.58	1594.95	1581.33	1574.13	1632.01	1621.93	1614.75	1608.03	1601.94	1595.89
γ 4.0	1606.44	1602.12	1592.32	1584.83	1571.85	1563.85	1630.20	1619.87	1612.92	1606.08	1599.80	1593.71
γ 5.0	1594.20	1592.15	1582.53	1572.66	1560.31	1551.45	1626.06	1615.03	1607.48	1602.18	1596.71	1590.31
γ 6.0	1579.92	1580.64	1571.34	1561.20	1545.03	1537.71	1618.33	1607.72	1601.85	1595.11	1591.40	1585.48
γ 7.0	1564.37	1566.22	1556.25	1546.81	1528.75	1521.70	1609.13	1596.90	1592.92	1587.02	1584.29	1578.89
γ 8.0	1549.47	1551.31	1540.03	1531.14	1512.46	1504.67	1597.42	1584.83	1582.53	1575.93	1575.59	1568.69
γ 9.0	1531.94	1533.79	1522.26	1514.13	1495.09	1486.20	1583.81	1571.96	1570.41	1564.75	1564.74	1556.69
γ 10.0	1511.61	1514.64	1503.42	1495.33	1475.02	1466.67	1569.29	1557.14	1558.59	1551.84	1552.11	1543.53
γ 11.0	1490.15	1494.94	1483.09	1475.14	1453.02	1444.45	1553.25	1540.83	1543.62	1537.19	1537.12	1528.61
γ 12.0	1467.95	1474.08	1462.32	1453.48	1431.50	1422.28	1534.92	1522.47	1526.84	1522.26	1521.05	1511.89
γ 13.0	1444.93	1451.05	1440.17	1431.16	1408.80	1399.60	1515.70	1501.70	1508.30	1505.13	1503.44	1492.44
γ 14.0	1420.56	1427.33	1416.55	1407.33	1385.24	1377.03	1494.71	1480.96	1487.99	1483.77	1483.82	1472.98
γ 15.0	1395.68	1403.45	1393.19	1382.86	1360.31	1351.95	1472.64	1459.20	1466.63	1462.18	1463.76	1453.07
γ 16.0	1369.60	1379.01	1368.88	1358.02	1335.35	1327.79	1448.90	1437.02	1445.38	1440.72	1442.86	1430.29
γ 17.0	1345.11	1354.44	1344.88	1333.45	1309.10	1303.62	1424.87	1413.87	1422.83	1417.47	1419.71	1405.86
γ 18.0	1319.06	1330.24	1319.65	1306.20	1282.35	1277.96	1400.74	1389.02	1398.52	1392.95	1394.43	1381.50
γ 19.0	1291.49	1303.69	1292.88	1279.44	1256.23	1252.08	1375.56	1364.07	1372.37	1368.74	1369.07	1357.55
γ 20.0	1263.41	1276.57	1266.01	1252.10	1229.04	1225.84	1351.13	1339.10	1348.22	1343.59	1343.77	1331.37
γ 21.0	1234.83	1250.23	1239.15	1225.64	1201.80	1199.85	1326.61	1313.93	1323.37	1317.11	1318.52	1304.78
γ 22.0	1206.13	1221.61	1210.64	1197.22	1173.04	1172.49	1299.36	1288.53	1297.00	1290.06	1291.70	1279.75
γ 23.0	1175.75	1192.43	1180.82	1166.68	1142.50	1142.99	1272.93	1260.92	1269.60	1263.99	1265.56	1252.55
γ 24.0	1143.87	1161.72	1148.18	1135.22	1110.25	1111.57	1246.79	1233.71	1242.52	1236.45	1238.72	1225.29
γ 25.0	1108.71	1127.63	1113.02	1099.64	1073.59	1076.96	1219.12	1206.00	1214.44	1208.61	1211.22	1197.61
γ 26.0	1069.70	1091.02	1074.62	1059.94	1033.36	1037.47	1191.13	1177.73	1186.84	1179.76	1181.66	1168.94
γ 27.0	1026.78	1049.39	1030.99	1017.21	985.97	989.46	1161.53	1146.45	1156.02	1148.30	1151.34	1138.98
γ 28.0	978.89	1002.72	980.97	964.67	923.75	925.95	1128.95	1112.24	1122.62	1115.86	1120.77	1107.05
γ 29.0	923.37	947.62	917.79	897.14	846.99	847.74	1092.28	1074.40	1087.04	1080.82	1086.72	1073.49
γ 30.0	854.00	878.22	840.05	816.26	762.39	763.90	1049.06	1031.81	1046.87	1040.55	1048.89	1035.92
γ 31.0	771.01	798.68	752.31	730.44	673.83	673.19	996.50	976.35	999.26	995.68	1006.75	993.43
γ 32.0	688.63	712.42	664.42	641.51	577.78	576.45	929.60	907.73	939.64	938.95	959.15	945.69
γ 33.0	602.17	624.31	571.86	546.47	484.08	483.51	847.22	826.75	864.14	869.24	898.26	887.31
γ 34.0	511.40	532.06	477.67	455.04	398.57	394.88	761.72	740.35	783.11	789.76	824.39	816.98
γ 35.0	427.36	441.49	393.29	371.13	314.00	309.95	666.98	648.78	696.36	704.23	744.47	737.47
γ 36.0	348.54	361.41	312.83	290.51	244.71	241.31	568.07	550.99	600.37	616.00	661.40	654.39
γ 37.0	274.47	285.41	242.65	225.71	184.48	180.55	476.58	459.24	508.34	523.24	570.67	568.87
γ 38.0	215.39	221.13	185.91	169.43	134.56	131.70	385.59	372.00	420.97	434.95	482.84	481.20
γ 39.0	161.29	167.68	135.01	123.38	98.58	96.00	304.53	291.68	336.64	353.64	402.35	399.46
γ 40.0	119.54	122.11	99.63	90.02	69.11	67.34	237.33	226.66	267.58	278.60	321.88	324.47
γ 41.0	87.20	89.64	71.41	63.67	50.80	49.37	175.75	169.27	203.52	216.25	255.59	254.25
γ 42.0	62.81	64.44	52.21	47.37	37.53	36.68	130.62	124.54	151.71	161.41	194.72	195.71
γ 43.0	47.05	48.24	39.38	35.76	29.39	28.73	93.63	90.49	111.77	118.11	143.39	145.36
γ 44.0	35.79	36.96	30.86	28.61	23.92	23.34	67.09	65.52	79.51	85.84	104.88	105.55
γ 45.0	28.77	29.44	25.35	23.44	19.92	19.34	49.90	48.90	59.05	61.56	73.56	76.34
γ 46.0	23.27	24.05	21.15	19.72	16.75	16.09	37.82	37.41	43.66	45.77	53.70	54.97

IES Indoor Report
Photometric Filename:UL-18W-COB-1800-FH(N)-60D-3000K.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	19. 23	19. 94	17. 81	16. 70	14. 19	13. 46	30. 47	30. 27	34. 45	34. 60	39. 20	40. 82
γ 48. 0	15. 81	16. 68	15. 07	14. 20	11. 88	11. 09	24. 72	24. 72	27. 76	27. 55	30. 21	30. 93
γ 49. 0	13. 07	13. 88	12. 82	11. 91	9. 83	9. 03	20. 72	20. 67	23. 04	22. 39	23. 97	24. 59
γ 50. 0	10. 64	11. 61	10. 68	9. 94	8. 01	7. 23	17. 14	17. 15	19. 08	18. 49	19. 62	19. 89
γ 51. 0	8. 55	9. 50	8. 78	8. 24	6. 50	5. 61	14. 19	14. 11	15. 97	15. 29	16. 02	16. 26
γ 52. 0	6. 75	7. 59	7. 11	6. 61	4. 97	4. 18	11. 69	11. 60	13. 15	12. 62	13. 21	13. 26
γ 53. 0	5. 07	5. 89	5. 51	5. 09	3. 70	2. 80	9. 41	9. 35	10. 78	10. 32	10. 78	10. 82
γ 54. 0	3. 60	4. 39	4. 11	3. 81	2. 46	1. 64	7. 48	7. 35	8. 57	8. 12	8. 68	8. 65
γ 55. 0	2. 31	3. 04	2. 85	2. 58	1. 23	0. 51	5. 68	5. 65	6. 59	6. 28	6. 66	6. 76
γ 56. 0	1. 04	1. 83	1. 65	1. 49	0. 29	0. 00	4. 14	4. 05	4. 87	4. 62	4. 93	5. 08
γ 57. 0	0. 00	0. 60	0. 59	0. 49	0. 00	0. 00	2. 77	2. 67	3. 36	3. 11	3. 42	3. 58
γ 58. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	1. 55	1. 43	1. 90	1. 76	2. 02	2. 34
γ 59. 0	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00	0. 41	0. 29	0. 77	0. 49	0. 88	0. 98
γ 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
γ 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
γ 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
γ 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
γ 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
γ 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
γ 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
γ 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
γ 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
γ 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
γ 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
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

IES Indoor Report
Photometric Filename:UL-18W-COB-1800-FH(N)-60D-3000K.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 94.0	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 95.0	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 96.0	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 97.0	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 98.0	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 99.0	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 100.0	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 101.0	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 102.0	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 103.0	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 104.0	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 105.0	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 106.0	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 107.0	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 108.0	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 109.0	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 110.0	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 111.0	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 112.0	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 113.0	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 114.0	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 115.0	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 116.0	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 117.0	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 118.0	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 119.0	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 120.0	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 121.0	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 122.0	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 123.0	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 124.0	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 125.0	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 126.0	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 127.0	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 128.0	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 129.0	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 130.0	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 131.0	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 132.0	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 133.0	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 134.0	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 135.0	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 136.0	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 137.0	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 138.0	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 139.0	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 140.0	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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 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
γ 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
γ 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
γ 158.0	0.09	0.00	0.00	0.00	0.05	0.25	0.00	0.00	0.00	0.00	0.00	0.00
γ 159.0	0.40	0.19	0.23	0.28	0.31	0.45	0.00	0.00	0.00	0.00	0.00	0.00
γ 160.0	0.77	0.44	0.54	0.48	0.68	0.72	0.00	0.00	0.00	0.00	0.00	0.00
γ 161.0	0.95	0.80	0.81	0.79	0.87	0.99	0.00	0.00	0.00	0.00	0.00	0.00
γ 162.0	1.27	1.09	1.12	1.11	1.17	1.27	0.00	0.00	0.00	0.00	0.00	0.00
γ 163.0	1.56	1.35	1.32	1.33	1.46	1.61	0.18	0.03	0.00	0.00	0.00	0.00
γ 164.0	1.93	1.64	1.59	1.67	1.75	1.83	0.51	0.31	0.08	0.00	0.00	0.00
γ 165.0	2.15	1.92	1.91	1.88	1.99	2.10	0.78	0.57	0.28	0.08	0.00	0.07
γ 166.0	2.43	2.12	2.11	2.19	2.33	2.38	1.08	0.90	0.64	0.38	0.28	0.37
γ 167.0	2.65	2.44	2.39	2.35	2.48	2.64	1.41	1.16	0.91	0.66	0.54	0.65
γ 168.0	2.85	2.64	2.51	2.59	2.72	2.81	1.67	1.45	1.16	0.95	0.83	0.94
γ 169.0	3.14	2.93	2.85	2.83	2.93	3.06	1.96	1.70	1.47	1.30	1.22	1.12
γ 170.0	3.37	3.16	3.01	3.01	3.14	3.23	2.29	1.95	1.73	1.54	1.38	1.48
γ 171.0	3.57	3.35	3.23	3.22	3.33	3.49	2.58	2.20	1.96	1.86	1.72	1.76
γ 172.0	3.82	3.60	3.42	3.37	3.43	3.64	2.84	2.49	2.22	2.00	1.95	2.07
γ 173.0	3.91	3.78	3.55	3.55	3.58	3.77	3.05	2.82	2.54	2.19	2.19	2.36
γ 174.0	4.15	3.90	3.72	3.65	3.71	3.87	3.38	3.02	2.75	2.51	2.51	2.62
γ 175.0	4.30	3.91	3.75	3.79	3.81	3.99	3.58	3.21	2.98	2.80	2.80	2.84
γ 176.0	4.37	4.07	3.89	3.83	3.86	4.06	3.82	3.45	3.14	3.00	2.98	3.04
γ 177.0	4.34	4.10	3.89	3.87	3.85	4.03	4.00	3.63	3.41	3.26	3.17	3.31
γ 178.0	4.40	4.15	3.87	3.80	3.83	3.97	4.15	3.79	3.54	3.41	3.36	3.51
γ 179.0	4.38	4.16	3.85	3.77	3.75	3.96	4.32	3.91	3.73	3.47	3.57	3.68
γ 180.0	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95