

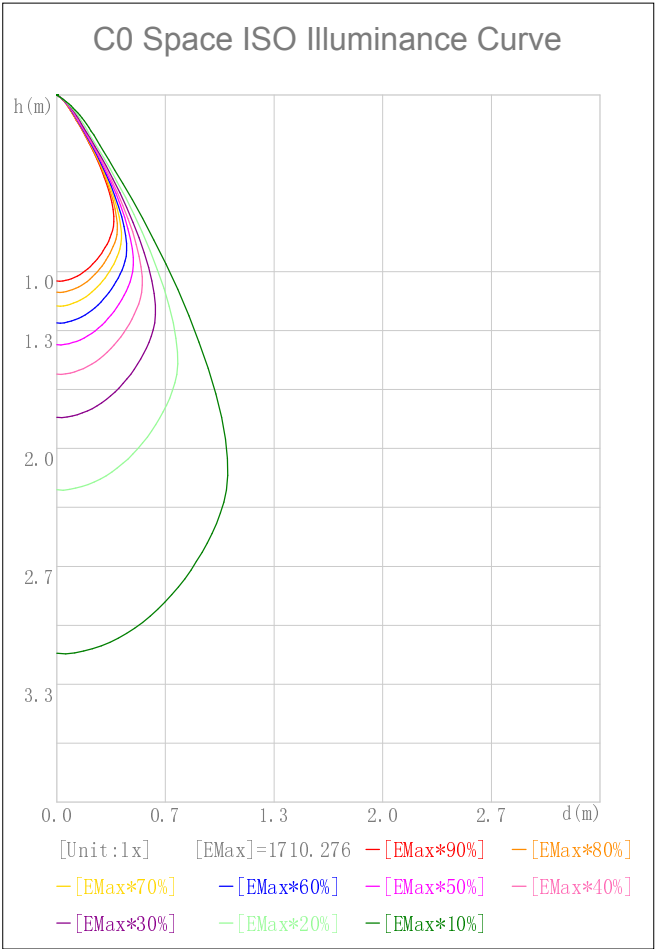
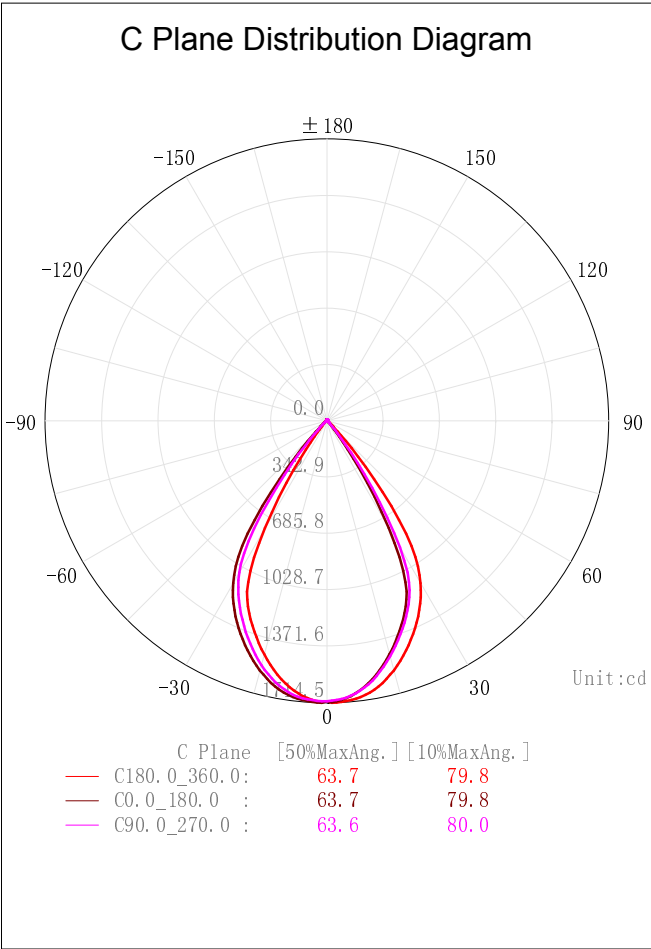
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2025/04/14
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): 4000 Ra: 81.5
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

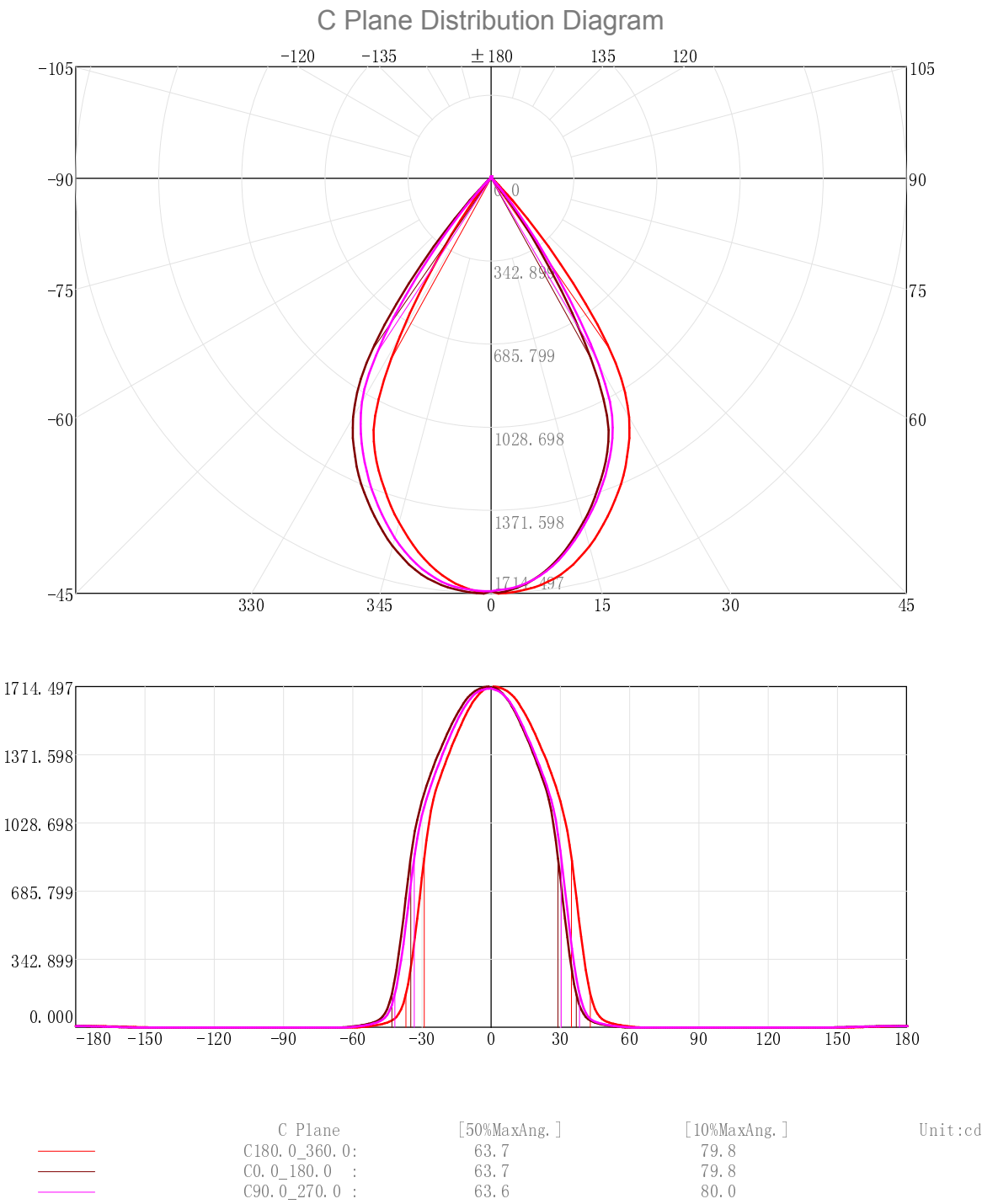
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1540.220	Luminary Flux(lm): 1540.221	Field Angle(10%Imax): 79.8(°)	
Rated Power(W): 18	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1537.8021m 99.84%	
Rated Voltage(V): 220	Luminary EER(lm/W): 88.671	Up Lumens&Percent: 2.4181m 0.16%	
Tested Power(W): 17.370	Max. Candela(cd): 1714.497	S/MH: C0_a180=0.991 C90_270=0.981	
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, 0.920	Beam Angle(50%Imax): 63.7(°)	ErP Φ use(90°): 1523.5341m	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-28.9°, Right=34.8°	IRF(%): 241.622	



2D Plane Light Intensity Distribution Curve

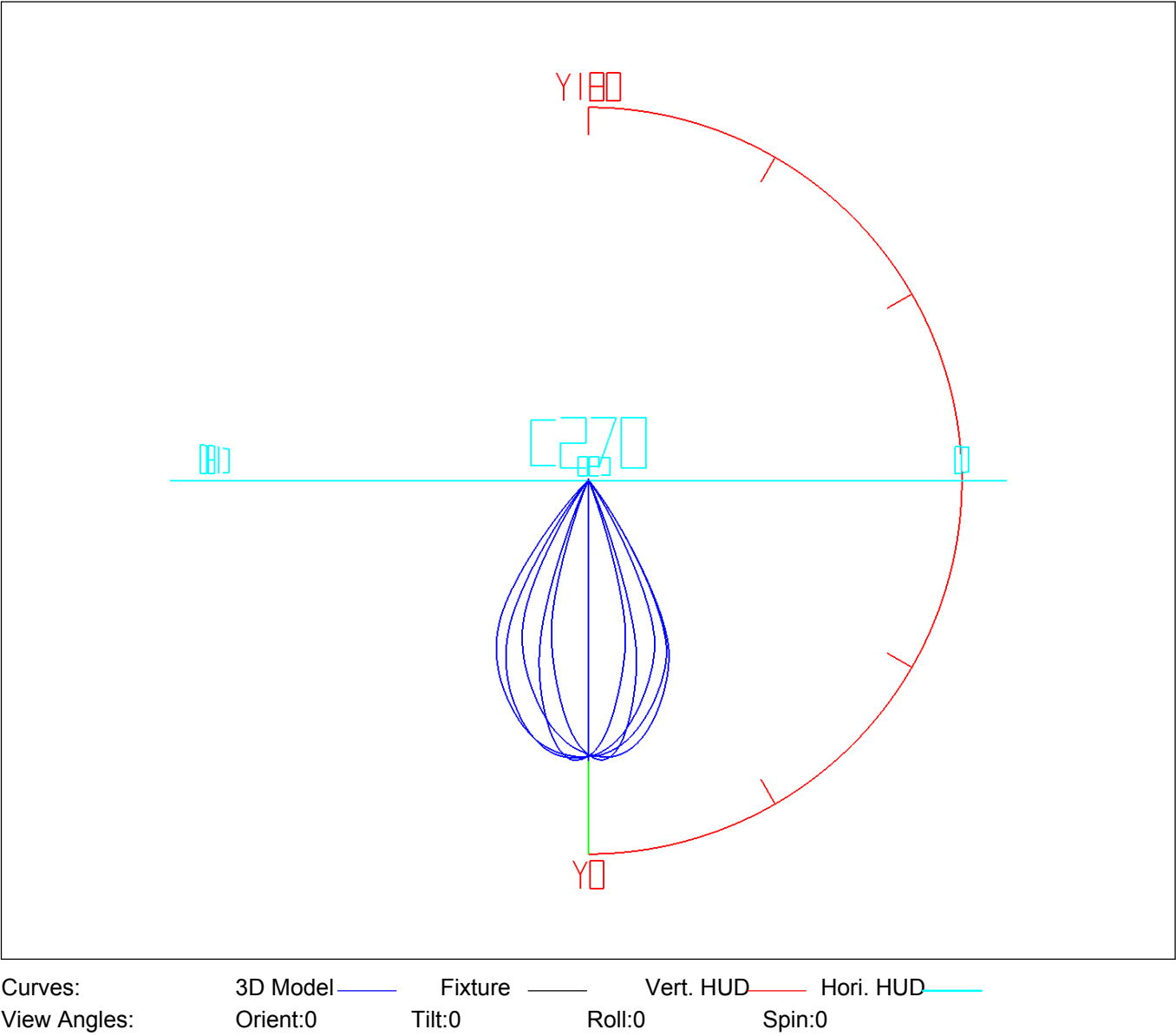
Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/04/14



3D Light Intensity Distribution Modal

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/04/14

3D Light Intensity Distribution Modal



IES Indoor Report

Photometric Filename:UL-18W-COB-1800-FH(N)-60D-4000K.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	1.63	1.63	0.11	0.11	47.0-48.0	2.37	1526.06	0.15	99.08
1.0-2.0	4.89	6.52	0.32	0.42	48.0-49.0	2.01	1528.07	0.13	99.21
2.0-3.0	8.13	14.65	0.53	0.95	49.0-50.0	1.72	1529.78	0.11	99.32
3.0-4.0	11.35	26.00	0.74	1.69	50.0-51.0	1.48	1531.26	0.10	99.42
4.0-5.0	14.53	40.53	0.94	2.63	51.0-52.0	1.27	1532.53	0.08	99.50
5.0-6.0	17.67	58.20	1.15	3.78	52.0-53.0	1.09	1533.62	0.07	99.57
6.0-7.0	20.75	78.95	1.35	5.13	53.0-54.0	0.93	1534.55	0.06	99.63
7.0-8.0	23.75	102.71	1.54	6.67	54.0-55.0	0.78	1535.34	0.05	99.68
8.0-9.0	26.67	129.38	1.73	8.40	55.0-56.0	0.65	1535.98	0.04	99.72
9.0-10.0	29.49	158.87	1.91	10.31	56.0-57.0	0.53	1536.51	0.03	99.76
10.0-11.0	32.21	191.08	2.09	12.41	57.0-58.0	0.42	1536.92	0.03	99.79
11.0-12.0	34.82	225.90	2.26	14.67	58.0-59.0	0.32	1537.24	0.02	99.81
12.0-13.0	37.30	263.20	2.42	17.09	59.0-60.0	0.23	1537.47	0.01	99.82
13.0-14.0	39.66	302.86	2.57	19.66	60.0-61.0	0.15	1537.62	0.01	99.83
14.0-15.0	41.89	344.75	2.72	22.38	61.0-62.0	0.10	1537.72	0.01	99.84
15.0-16.0	43.99	388.74	2.86	25.24	62.0-63.0	0.05	1537.77	0.00	99.84
16.0-17.0	45.95	434.69	2.98	28.22	63.0-64.0	0.02	1537.79	0.00	99.84
17.0-18.0	47.78	482.47	3.10	31.33	64.0-65.0	0.01	1537.80	0.00	99.84
18.0-19.0	49.48	531.95	3.21	34.54	65.0-66.0	0.00	1537.80	0.00	99.84
19.0-20.0	51.03	582.99	3.31	37.85	66.0-67.0	0.00	1537.80	0.00	99.84
20.0-21.0	52.45	635.43	3.41	41.26	67.0-68.0	0.00	1537.80	0.00	99.84
21.0-22.0	53.70	689.13	3.49	44.74	68.0-69.0	0.00	1537.80	0.00	99.84
22.0-23.0	54.80	743.94	3.56	48.30	69.0-70.0	0.00	1537.80	0.00	99.84
23.0-24.0	55.72	799.65	3.62	51.92	70.0-71.0	0.00	1537.80	0.00	99.84
24.0-25.0	56.43	856.08	3.66	55.58	71.0-72.0	0.00	1537.80	0.00	99.84
25.0-26.0	56.86	912.94	3.69	59.27	72.0-73.0	0.00	1537.80	0.00	99.84
26.0-27.0	56.92	969.86	3.70	62.97	73.0-74.0	0.00	1537.80	0.00	99.84
27.0-28.0	56.55	1026.41	3.67	66.64	74.0-75.0	0.00	1537.80	0.00	99.84
28.0-29.0	55.65	1082.06	3.61	70.25	75.0-76.0	0.00	1537.80	0.00	99.84
29.0-30.0	54.12	1136.17	3.51	73.77	76.0-77.0	0.00	1537.80	0.00	99.84
30.0-31.0	51.89	1188.07	3.37	77.14	77.0-78.0	0.00	1537.80	0.00	99.84
31.0-32.0	49.00	1237.07	3.18	80.32	78.0-79.0	0.00	1537.80	0.00	99.84
32.0-33.0	45.51	1282.57	2.95	83.27	79.0-80.0	0.00	1537.80	0.00	99.84
33.0-34.0	41.48	1324.05	2.69	85.97	80.0-81.0	0.00	1537.80	0.00	99.84
34.0-35.0	37.04	1361.09	2.40	88.37	81.0-82.0	0.00	1537.80	0.00	99.84
35.0-36.0	32.37	1393.46	2.10	90.47	82.0-83.0	0.00	1537.80	0.00	99.84
36.0-37.0	27.69	1421.15	1.80	92.27	83.0-84.0	0.00	1537.80	0.00	99.84
37.0-38.0	23.17	1444.32	1.50	93.77	84.0-85.0	0.00	1537.80	0.00	99.84
38.0-39.0	19.00	1463.32	1.23	95.01	85.0-86.0	0.00	1537.80	0.00	99.84
39.0-40.0	15.28	1478.60	0.99	96.00	86.0-87.0	0.00	1537.80	0.00	99.84
40.0-41.0	12.07	1490.66	0.78	96.78	87.0-88.0	0.00	1537.80	0.00	99.84
41.0-42.0	9.41	1500.07	0.61	97.39	88.0-89.0	0.00	1537.80	0.00	99.84
42.0-43.0	7.28	1507.35	0.47	97.87	89.0-90.0	0.00	1537.80	0.00	99.84
43.0-44.0	5.62	1512.98	0.37	98.23	90.0-91.0	0.00	1537.80	0.00	99.84
44.0-45.0	4.39	1517.37	0.29	98.52	91.0-92.0	0.00	1537.80	0.00	99.84
45.0-46.0	3.49	1520.85	0.23	98.74	92.0-93.0	0.00	1537.80	0.00	99.84
46.0-47.0	2.84	1523.69	0.18	98.93	93.0-94.0	0.00	1537.80	0.00	99.84

IES Indoor Report

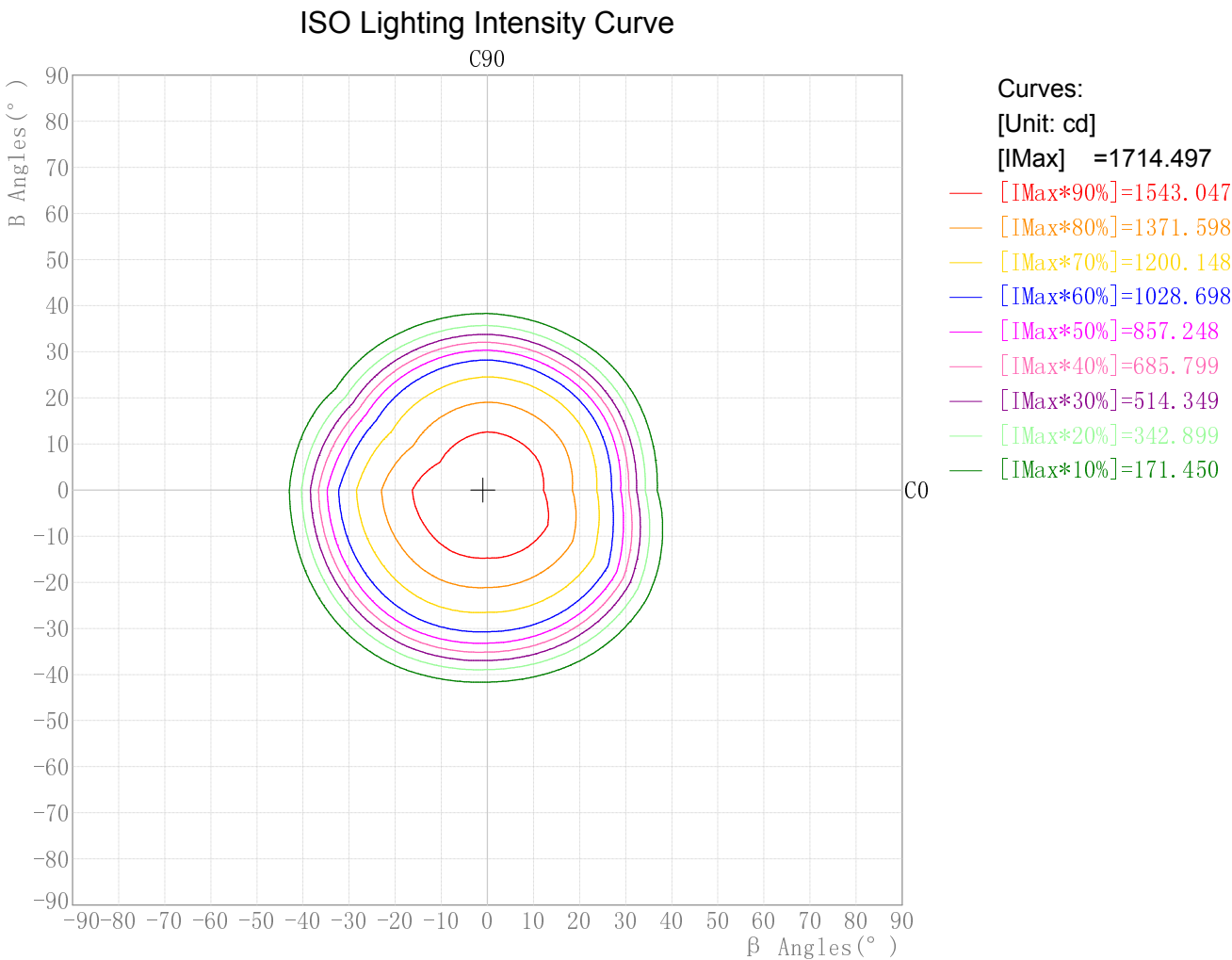
Photometric Filename:UL-18W-COB-1800-FH(N)-60D-4000K.IES

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	1537.80	0.00	99.84	141.0-142.0	0.00	1537.80	0.00	99.84
95.0-96.0	0.00	1537.80	0.00	99.84	142.0-143.0	0.00	1537.80	0.00	99.84
96.0-97.0	0.00	1537.80	0.00	99.84	143.0-144.0	0.00	1537.80	0.00	99.84
97.0-98.0	0.00	1537.80	0.00	99.84	144.0-145.0	0.00	1537.80	0.00	99.84
98.0-99.0	0.00	1537.80	0.00	99.84	145.0-146.0	0.00	1537.80	0.00	99.84
99.0-100.0	0.00	1537.80	0.00	99.84	146.0-147.0	0.00	1537.80	0.00	99.84
100.0-101.0	0.00	1537.80	0.00	99.84	147.0-148.0	0.00	1537.81	0.00	99.84
101.0-102.0	0.00	1537.80	0.00	99.84	148.0-149.0	0.01	1537.82	0.00	99.84
102.0-103.0	0.00	1537.80	0.00	99.84	149.0-150.0	0.02	1537.83	0.00	99.85
103.0-104.0	0.00	1537.80	0.00	99.84	150.0-151.0	0.03	1537.86	0.00	99.85
104.0-105.0	0.00	1537.80	0.00	99.84	151.0-152.0	0.03	1537.89	0.00	99.85
105.0-106.0	0.00	1537.80	0.00	99.84	152.0-153.0	0.04	1537.93	0.00	99.85
106.0-107.0	0.00	1537.80	0.00	99.84	153.0-154.0	0.04	1537.98	0.00	99.85
107.0-108.0	0.00	1537.80	0.00	99.84	154.0-155.0	0.05	1538.03	0.00	99.86
108.0-109.0	0.00	1537.80	0.00	99.84	155.0-156.0	0.06	1538.09	0.00	99.86
109.0-110.0	0.00	1537.80	0.00	99.84	156.0-157.0	0.08	1538.17	0.00	99.87
110.0-111.0	0.00	1537.80	0.00	99.84	157.0-158.0	0.08	1538.25	0.01	99.87
111.0-112.0	0.00	1537.80	0.00	99.84	158.0-159.0	0.09	1538.35	0.01	99.88
112.0-113.0	0.00	1537.80	0.00	99.84	159.0-160.0	0.10	1538.45	0.01	99.88
113.0-114.0	0.00	1537.80	0.00	99.84	160.0-161.0	0.11	1538.56	0.01	99.89
114.0-115.0	0.00	1537.80	0.00	99.84	161.0-162.0	0.11	1538.67	0.01	99.90
115.0-116.0	0.00	1537.80	0.00	99.84	162.0-163.0	0.12	1538.78	0.01	99.91
116.0-117.0	0.00	1537.80	0.00	99.84	163.0-164.0	0.12	1538.90	0.01	99.91
117.0-118.0	0.00	1537.80	0.00	99.84	164.0-165.0	0.12	1539.03	0.01	99.92
118.0-119.0	0.00	1537.80	0.00	99.84	165.0-166.0	0.12	1539.15	0.01	99.93
119.0-120.0	0.00	1537.80	0.00	99.84	166.0-167.0	0.12	1539.27	0.01	99.94
120.0-121.0	0.00	1537.80	0.00	99.84	167.0-168.0	0.12	1539.39	0.01	99.95
121.0-122.0	0.00	1537.80	0.00	99.84	168.0-169.0	0.12	1539.50	0.01	99.95
122.0-123.0	0.00	1537.80	0.00	99.84	169.0-170.0	0.11	1539.61	0.01	99.96
123.0-124.0	0.00	1537.80	0.00	99.84	170.0-171.0	0.10	1539.72	0.01	99.97
124.0-125.0	0.00	1537.80	0.00	99.84	171.0-172.0	0.10	1539.81	0.01	99.97
125.0-126.0	0.00	1537.80	0.00	99.84	172.0-173.0	0.09	1539.90	0.01	99.98
126.0-127.0	0.00	1537.80	0.00	99.84	173.0-174.0	0.08	1539.98	0.01	99.98
127.0-128.0	0.00	1537.80	0.00	99.84	174.0-175.0	0.07	1540.05	0.00	99.99
128.0-129.0	0.00	1537.80	0.00	99.84	175.0-176.0	0.06	1540.11	0.00	99.99
129.0-130.0	0.00	1537.80	0.00	99.84	176.0-177.0	0.05	1540.16	0.00	100.00
130.0-131.0	0.00	1537.80	0.00	99.84	177.0-178.0	0.03	1540.19	0.00	100.00
131.0-132.0	0.00	1537.80	0.00	99.84	178.0-179.0	0.02	1540.21	0.00	100.00
132.0-133.0	0.00	1537.80	0.00	99.84	179.0-180.0	0.01	1540.22	0.00	100.00
133.0-134.0	0.00	1537.80	0.00	99.84					
134.0-135.0	0.00	1537.80	0.00	99.84					
135.0-136.0	0.00	1537.80	0.00	99.84					
136.0-137.0	0.00	1537.80	0.00	99.84					
137.0-138.0	0.00	1537.80	0.00	99.84					
138.0-139.0	0.00	1537.80	0.00	99.84					
139.0-140.0	0.00	1537.80	0.00	99.84					
140.0-141.0	0.00	1537.80	0.00	99.84					

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: 2025/04/14



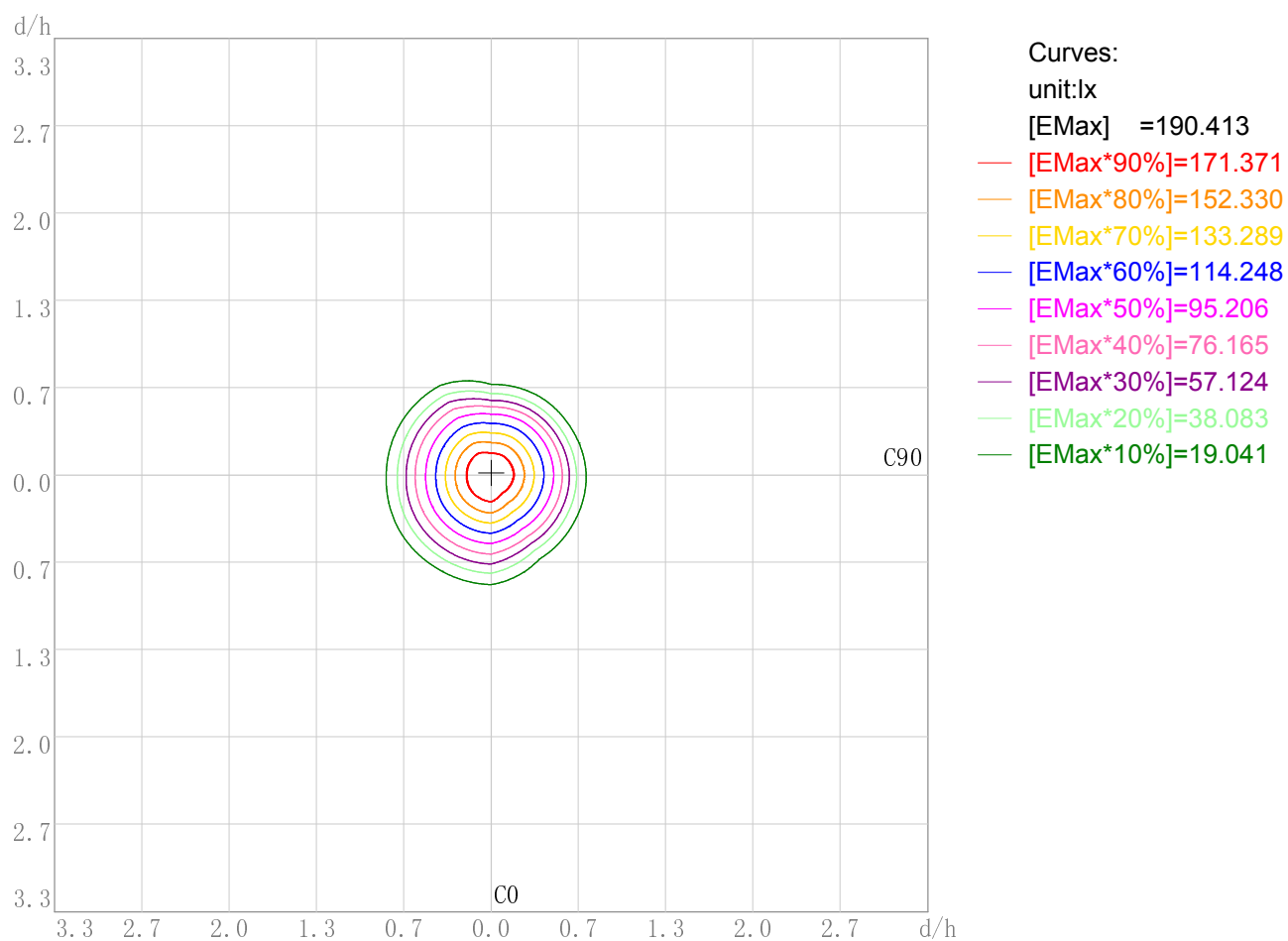
Maximum Light Intensity(cd): 1714.50
Maximum Cand.@Angle: H=-1.0°,V=0.0°

Photometric Filename:UL-18W-COB-1800-FH(N)-60D-4000K.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: 2025/04/14

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

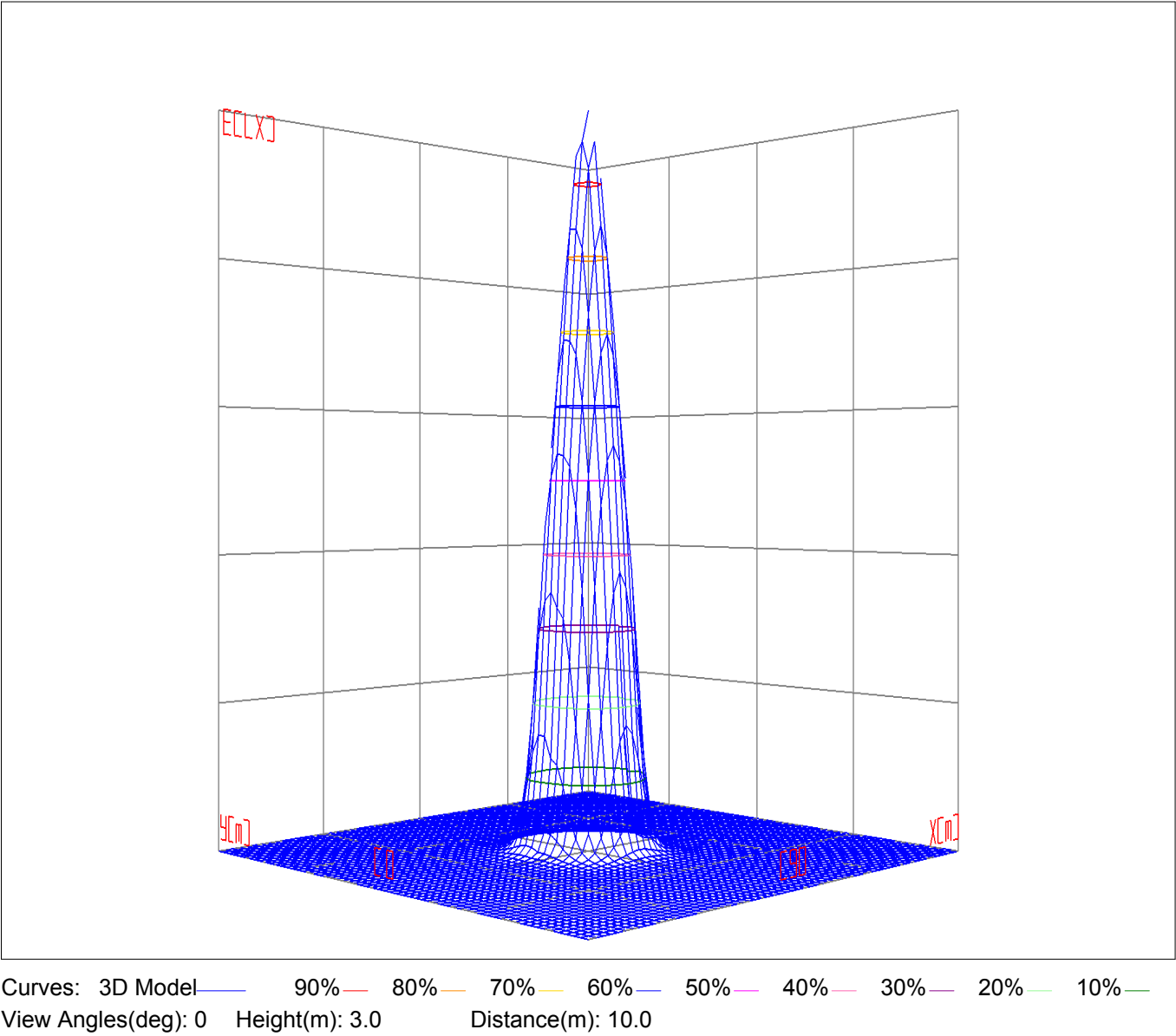
Working Plane Maximum Illuminance(lx): 190.41

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: 2025/04/14

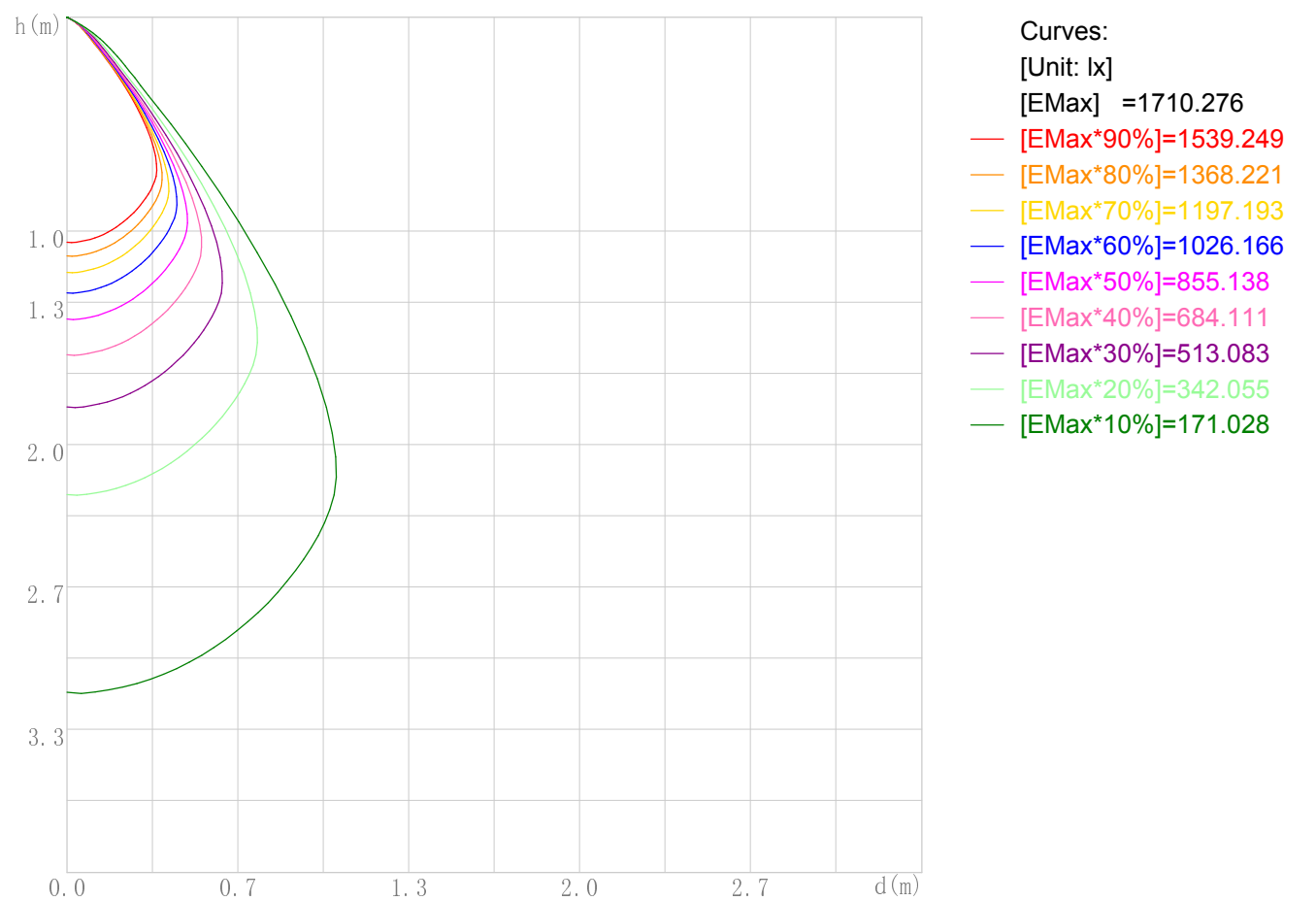
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/04/14

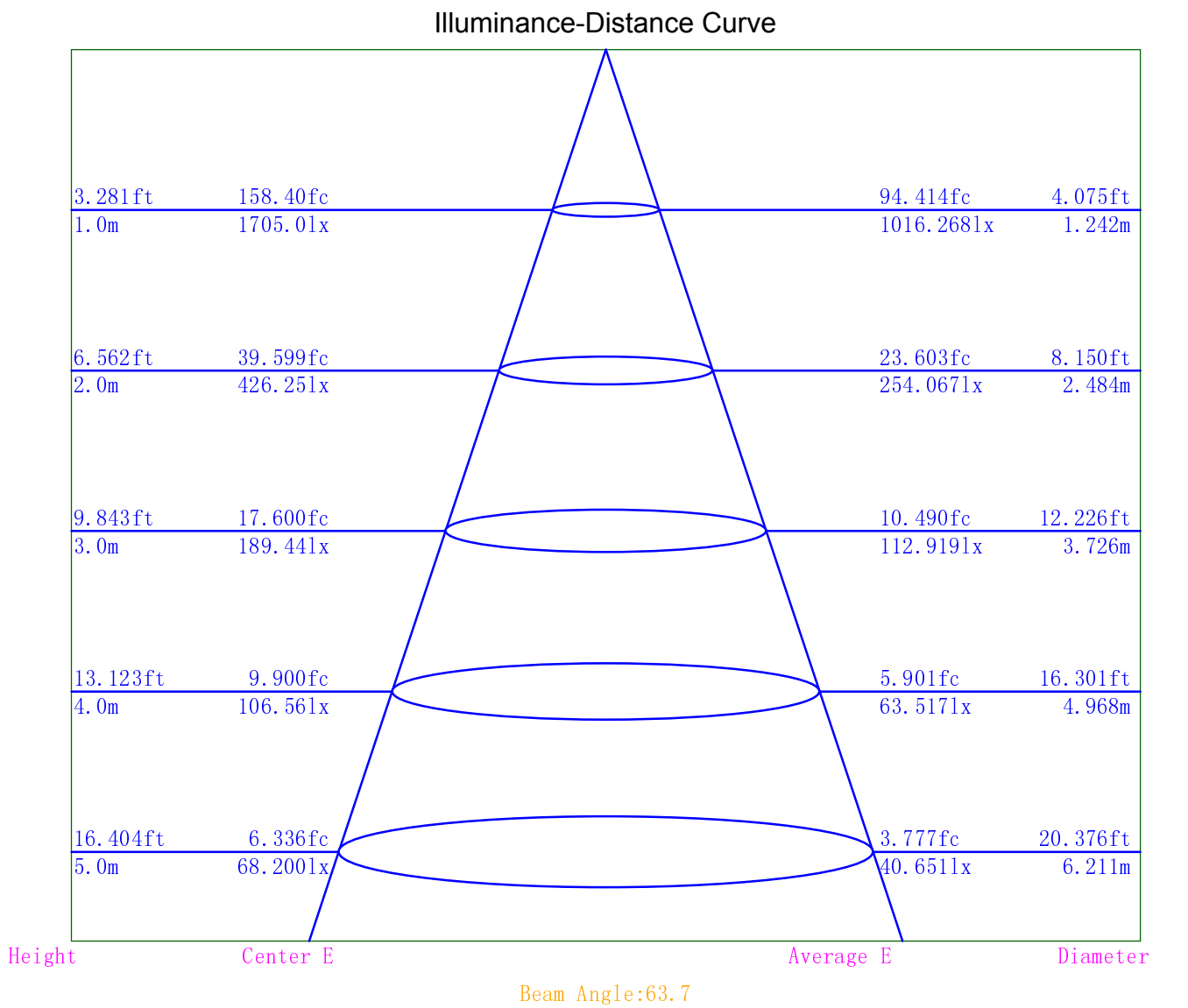
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1710.28lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:1711.058cd,0eg

Illuminance-Distance Diagram

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/04/14



Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/04/14

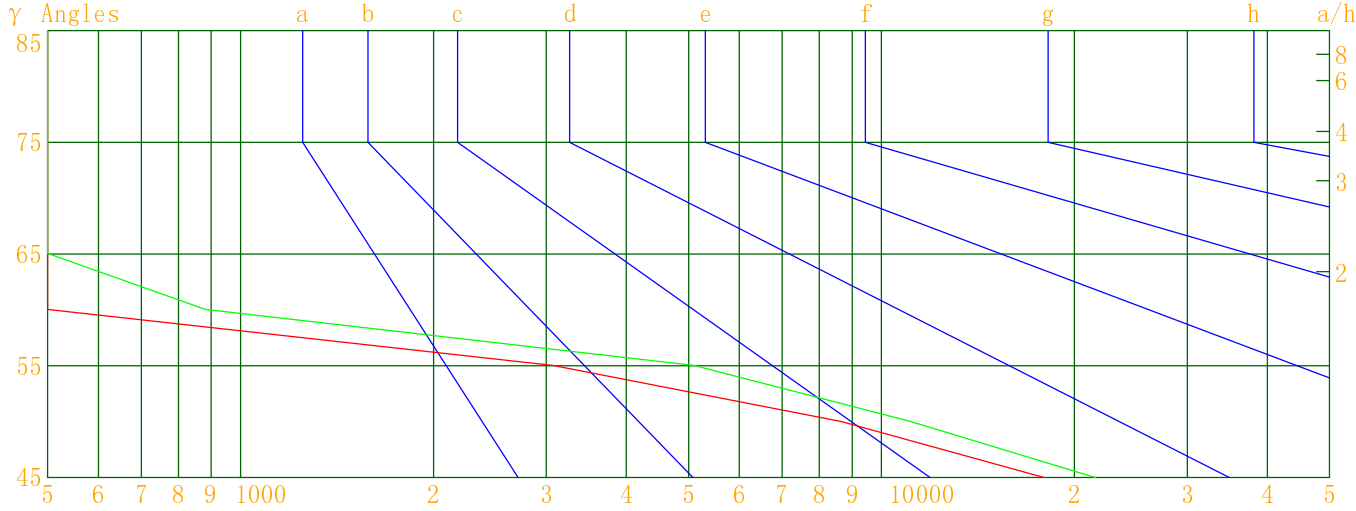
Glare Grade Table

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	17935	8646	3073	0	0	0	0	0	0
C90	21554	11098	5099	881	0	0	0	0	0

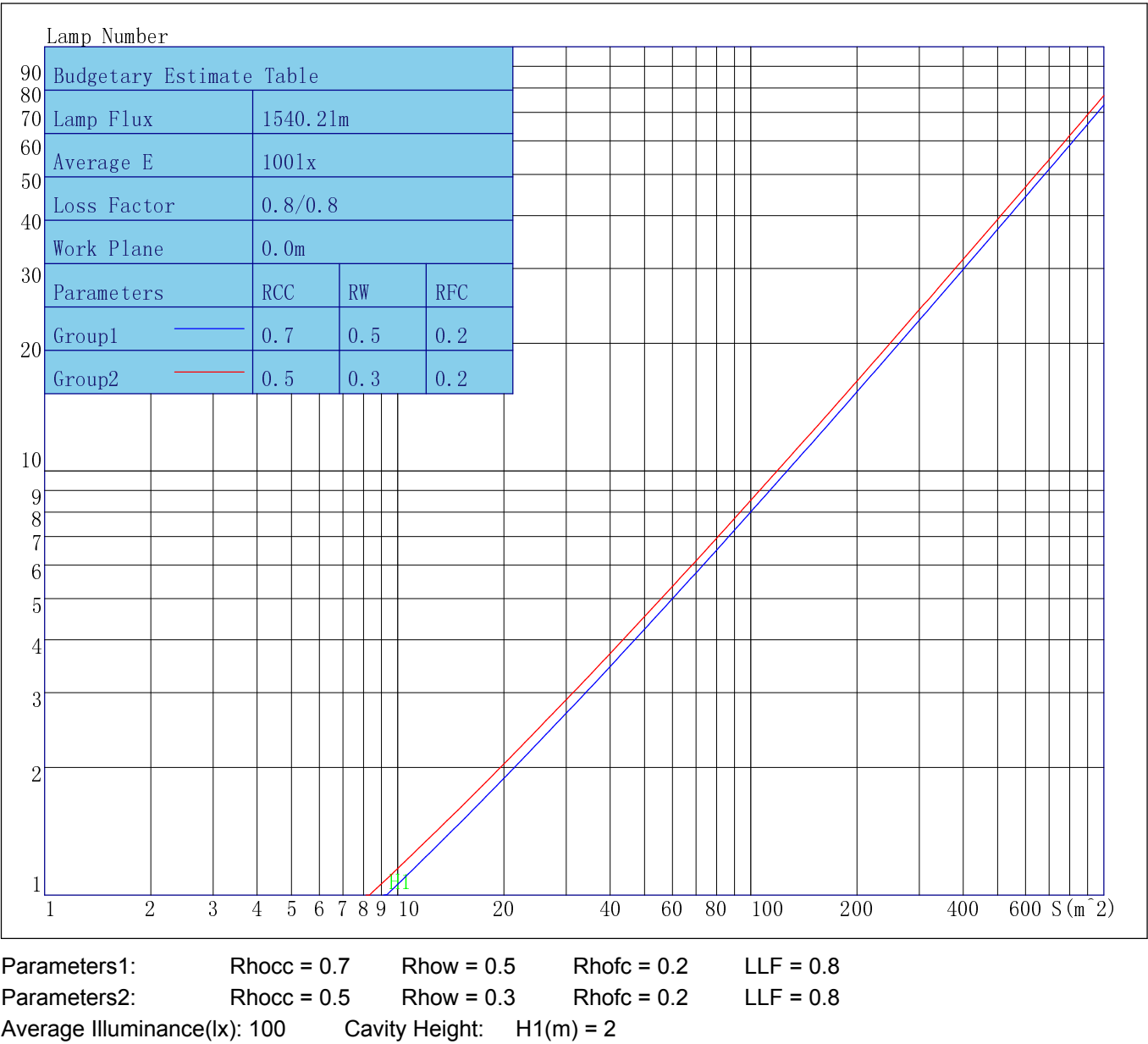
Luminance Limiting Curve



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: 2025/04/14



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: 2025/04/14

Coefficients of Utilization – Zonal Cavity Method																	
Coef.	Effective Floor Cavity Reflectance RFC=0.20																
RhoCC (%)	80				70				50				30				100
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR	Coefficient of Utilization(%)																
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	102	102
1	114	111	109	106	111	109	107	105	105	103	101	101	101	100	98	98	96
2	108	103	100	96	106	102	98	95	98	96	93	93	95	93	91	93	91
3	103	97	92	88	101	95	91	87	93	89	86	86	90	87	84	88	85
4	98	90	85	81	96	89	84	80	87	83	79	79	85	81	79	83	80
5	93	85	79	75	91	84	79	75	82	77	74	74	80	76	73	79	75
6	88	80	74	70	87	79	73	69	77	72	69	69	76	72	68	75	71
7	84	75	69	65	83	74	69	65	73	68	64	64	72	67	64	71	67
8	80	71	65	61	79	70	64	61	69	64	60	60	68	63	60	67	63
9	76	67	61	57	75	66	61	57	65	60	57	57	64	60	56	64	59
10	73	63	57	54	72	63	57	53	62	57	53	53	61	56	53	60	56

Unified Glare Rating Table

Lum. Name:55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/04/14

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	22.5	23.4	22.9	23.7	24.0	22.1	23.0	22.4	23.3	23.6
	Y=3H	22.3	23.1	22.7	23.4	23.8	21.8	22.6	22.2	23.0	23.4
	Y=4H	22.2	22.9	22.6	23.3	23.7	21.7	22.5	22.1	22.8	23.2
	Y=6H	22.0	22.7	22.5	23.1	23.5	21.6	22.3	22.0	22.7	23.1
	Y=8H	22.0	22.6	22.4	23.0	23.4	21.6	22.2	22.0	22.6	23.0
	Y=12H	21.9	22.5	22.4	22.9	23.3	21.5	22.1	21.9	22.5	22.9
X=4H	Y=2H	22.2	22.9	22.6	23.3	23.7	21.7	22.5	22.2	22.8	23.2
	Y=3H	21.9	22.5	22.4	23.0	23.4	21.5	22.1	21.9	22.5	22.9
	Y=4H	21.8	22.3	22.3	22.8	23.2	21.4	21.9	21.8	22.3	22.8
	Y=6H	21.7	22.1	22.2	22.6	23.1	21.3	21.7	21.7	22.2	22.7
	Y=8H	21.6	22.0	22.1	22.5	23.0	21.2	21.6	21.7	22.1	22.5
	Y=12H	21.6	21.9	22.0	22.4	22.9	21.1	21.5	21.6	22.0	22.5
X=8H	Y=4H	21.6	22.0	22.1	22.5	23.0	21.2	21.6	21.7	22.1	22.5
	Y=6H	21.5	21.8	22.0	22.3	22.8	21.1	21.4	21.6	21.9	22.4
	Y=8H	21.4	21.7	22.0	22.2	22.7	21.0	21.3	21.5	21.8	22.3
	Y=12H	21.4	21.6	21.9	22.1	22.7	20.9	21.2	21.5	21.7	22.3
X=12H	Y=4H	21.6	21.9	22.0	22.4	22.9	21.1	21.5	21.6	22.0	22.5
	Y=6H	21.4	21.7	22.0	22.2	22.7	21.0	21.3	21.5	21.8	22.3
	Y=8H	21.4	21.6	21.9	22.1	22.7	20.9	21.2	21.5	21.7	22.3
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-18W-COB-1800-FH(N)-60D-4000K.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	1705. 00	1705. 00	1705. 00	1705. 00	1705. 00	1705. 00	1705. 00	1705. 00	1705. 00	1705. 00	1705. 00	1705. 00
γ 1. 0	1711. 06	1709. 54	1706. 05	1700. 71	1693. 76	1689. 58	1714. 50	1711. 33	1707. 53	1704. 33	1699. 45	1696. 83
γ 2. 0	1706. 61	1706. 88	1702. 76	1697. 23	1690. 29	1685. 25	1713. 61	1709. 74	1706. 79	1703. 17	1701. 11	1698. 64
γ 3. 0	1699. 06	1700. 84	1697. 95	1693. 48	1684. 87	1679. 01	1711. 19	1706. 01	1703. 67	1700. 20	1699. 89	1698. 55
γ 4. 0	1689. 86	1692. 58	1690. 16	1686. 56	1677. 81	1671. 91	1707. 31	1701. 41	1699. 96	1696. 96	1697. 81	1697. 31
γ 5. 0	1679. 39	1683. 73	1680. 34	1677. 08	1668. 00	1662. 04	1703. 22	1696. 54	1696. 54	1692. 93	1694. 07	1694. 81
γ 6. 0	1666. 16	1672. 72	1668. 03	1666. 31	1655. 78	1650. 06	1698. 23	1691. 13	1690. 90	1686. 55	1688. 38	1689. 56
γ 7. 0	1651. 43	1659. 27	1654. 49	1653. 13	1641. 82	1635. 35	1691. 17	1683. 07	1682. 69	1678. 13	1679. 56	1681. 49
γ 8. 0	1634. 64	1643. 78	1638. 37	1638. 04	1626. 56	1619. 36	1682. 05	1673. 52	1671. 84	1665. 85	1669. 13	1671. 61
γ 9. 0	1614. 82	1626. 00	1620. 74	1620. 94	1608. 23	1602. 93	1672. 38	1661. 42	1658. 49	1652. 61	1658. 02	1659. 45
γ 10. 0	1594. 33	1605. 49	1599. 30	1602. 27	1589. 07	1584. 38	1660. 40	1647. 69	1644. 77	1637. 61	1644. 08	1645. 19
γ 11. 0	1571. 63	1583. 55	1577. 76	1580. 25	1568. 96	1563. 71	1646. 21	1633. 31	1629. 05	1621. 33	1626. 61	1630. 03
γ 12. 0	1547. 97	1560. 30	1555. 33	1556. 73	1546. 62	1540. 55	1629. 70	1615. 38	1611. 77	1602. 38	1608. 39	1612. 70
γ 13. 0	1522. 25	1536. 34	1530. 58	1533. 86	1522. 60	1517. 92	1610. 50	1596. 77	1592. 88	1581. 94	1589. 26	1592. 14
γ 14. 0	1495. 89	1512. 10	1503. 68	1509. 27	1497. 24	1493. 94	1591. 38	1576. 67	1572. 48	1560. 61	1568. 21	1570. 80
γ 15. 0	1469. 89	1486. 92	1478. 54	1482. 75	1471. 26	1469. 22	1571. 57	1555. 21	1550. 16	1536. 85	1544. 44	1546. 97
γ 16. 0	1443. 67	1459. 28	1452. 81	1455. 78	1445. 95	1441. 54	1549. 28	1533. 47	1527. 89	1511. 50	1518. 39	1522. 25
γ 17. 0	1414. 32	1432. 22	1425. 94	1430. 13	1418. 72	1415. 37	1525. 67	1509. 80	1503. 03	1485. 40	1492. 23	1496. 45
γ 18. 0	1384. 36	1405. 18	1398. 07	1402. 43	1391. 29	1389. 28	1501. 28	1485. 11	1476. 47	1458. 90	1465. 10	1470. 21
γ 19. 0	1354. 76	1376. 60	1370. 53	1373. 24	1363. 20	1362. 26	1476. 85	1458. 63	1450. 89	1431. 30	1437. 36	1443. 03
γ 20. 0	1324. 66	1346. 38	1340. 89	1344. 63	1334. 81	1333. 87	1451. 14	1432. 68	1424. 44	1403. 46	1408. 69	1415. 39
γ 21. 0	1293. 29	1316. 66	1310. 77	1315. 66	1304. 56	1304. 60	1424. 71	1406. 45	1396. 90	1375. 29	1378. 93	1385. 82
γ 22. 0	1261. 01	1285. 18	1281. 22	1284. 52	1273. 11	1274. 51	1397. 65	1380. 12	1368. 26	1344. 69	1348. 54	1357. 07
γ 23. 0	1226. 64	1251. 78	1249. 56	1253. 52	1240. 47	1241. 04	1371. 24	1351. 72	1340. 32	1314. 05	1318. 03	1326. 51
γ 24. 0	1189. 60	1216. 57	1214. 92	1220. 27	1206. 32	1207. 46	1342. 92	1321. 84	1309. 97	1284. 00	1286. 80	1295. 72
γ 25. 0	1146. 96	1178. 30	1177. 28	1183. 83	1169. 81	1171. 87	1312. 38	1291. 50	1277. 59	1251. 78	1255. 65	1265. 64
γ 26. 0	1090. 75	1130. 34	1134. 17	1145. 24	1129. 71	1132. 93	1279. 99	1258. 98	1245. 83	1217. 44	1222. 74	1232. 82
γ 27. 0	1022. 33	1065. 54	1077. 81	1100. 42	1085. 10	1089. 68	1248. 22	1224. 99	1212. 94	1184. 12	1188. 71	1198. 44
γ 28. 0	940. 74	995. 06	1006. 71	1044. 55	1033. 62	1040. 11	1214. 76	1189. 50	1177. 40	1147. 55	1153. 46	1161. 69
γ 29. 0	850. 25	909. 23	923. 64	970. 67	967. 87	984. 16	1178. 29	1151. 53	1139. 62	1108. 05	1114. 63	1121. 24
γ 30. 0	752. 51	810. 30	829. 55	889. 25	888. 10	914. 09	1138. 69	1109. 26	1097. 45	1064. 99	1069. 48	1069. 39
γ 31. 0	649. 49	707. 72	727. 57	796. 54	797. 02	828. 38	1093. 97	1063. 36	1050. 51	1014. 61	1012. 04	1002. 50
γ 32. 0	547. 47	603. 21	623. 75	693. 04	699. 31	738. 76	1043. 31	1010. 97	998. 13	950. 53	941. 60	930. 34
γ 33. 0	452. 21	498. 90	521. 32	592. 18	600. 21	642. 78	987. 56	951. 01	932. 18	873. 16	861. 86	842. 98
γ 34. 0	362. 94	408. 25	424. 28	491. 81	501. 49	541. 49	919. 26	874. 86	852. 60	791. 36	773. 81	748. 22
γ 35. 0	284. 29	320. 76	335. 93	397. 77	407. 93	451. 37	837. 94	786. 48	766. 04	699. 37	679. 95	652. 12
γ 36. 0	217. 41	247. 65	258. 60	318. 97	324. 07	363. 03	747. 08	694. 80	671. 94	601. 77	584. 20	551. 25
γ 37. 0	163. 54	188. 76	194. 90	243. 12	251. 19	286. 77	649. 69	596. 71	575. 69	509. 88	490. 34	455. 80
γ 38. 0	122. 58	136. 64	145. 07	185. 90	190. 65	223. 39	550. 88	496. 84	480. 01	418. 26	401. 78	372. 32
γ 39. 0	91. 28	102. 81	106. 86	137. 71	142. 91	164. 79	456. 25	411. 30	392. 04	337. 45	321. 20	290. 79
γ 40. 0	68. 65	74. 59	78. 67	98. 65	105. 75	124. 55	368. 10	325. 76	311. 48	266. 52	250. 86	228. 40
γ 41. 0	53. 21	56. 60	58. 69	74. 29	78. 52	89. 42	290. 30	256. 11	242. 16	201. 44	192. 06	171. 22
γ 42. 0	42. 46	44. 89	45. 87	54. 51	58. 97	66. 93	224. 30	194. 92	184. 19	154. 67	144. 67	127. 29
γ 43. 0	34. 90	36. 32	37. 04	43. 53	45. 58	51. 51	168. 72	143. 11	137. 84	112. 04	108. 23	95. 54
γ 44. 0	29. 22	30. 66	30. 94	35. 42	37. 02	40. 39	125. 95	107. 02	102. 40	83. 90	81. 00	69. 60
γ 45. 0	24. 90	25. 95	26. 26	29. 93	30. 62	33. 35	93. 89	76. 31	76. 57	63. 21	61. 79	54. 76
γ 46. 0	21. 19	22. 33	22. 61	25. 40	25. 80	27. 83	70. 25	58. 68	58. 21	48. 88	48. 49	43. 08

Photometric Filename:UL-18W-COB-1800-FH(N)-60D-4000K.IES

[illegible]

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[illegible]

Photometric Filename:UL-18W-COB-1800-FH(N)-60D-4000K.IES

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	0.11	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 148.0	0.42	0.30	0.36	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 149.0	0.81	0.66	0.65	0.39	0.30	0.01	0.00	0.00	0.00	0.00	0.00	0.00
γ 150.0	1.15	1.01	0.97	0.70	0.56	0.36	0.00	0.00	0.00	0.00	0.00	0.00
γ 151.0	1.46	1.35	1.34	1.05	0.88	0.60	0.00	0.00	0.00	0.00	0.00	0.00
γ 152.0	1.75	1.60	1.60	1.34	1.21	0.93	0.00	0.00	0.00	0.00	0.00	0.00
γ 153.0	2.03	1.91	1.87	1.67	1.46	1.25	0.00	0.00	0.00	0.00	0.00	0.00
γ 154.0	2.30	2.15	2.13	1.90	1.80	1.48	0.00	0.00	0.01	0.09	0.00	0.01
γ 155.0	2.62	2.53	2.50	2.24	2.04	1.80	0.00	0.23	0.26	0.49	0.23	0.35
γ 156.0	2.91	2.84	2.84	2.59	2.38	2.13	0.18	0.53	0.58	0.78	0.54	0.62
γ 157.0	3.18	3.16	3.14	2.87	2.62	2.41	0.57	0.84	0.95	1.02	0.89	0.87
γ 158.0	3.56	3.40	3.37	3.12	2.96	2.68	0.86	1.10	1.23	1.37	1.11	1.25
γ 159.0	3.85	3.73	3.68	3.41	3.19	3.00	1.10	1.42	1.56	1.68	1.47	1.50
γ 160.0	4.18	4.05	4.02	3.71	3.51	3.17	1.48	1.75	1.87	1.99	1.77	1.79
γ 161.0	4.53	4.39	4.25	4.07	3.88	3.55	1.75	2.05	2.10	2.33	2.12	2.08
γ 162.0	4.76	4.65	4.56	4.27	4.12	3.79	2.05	2.36	2.37	2.59	2.35	2.43
γ 163.0	5.08	4.97	5.01	4.67	4.47	4.07	2.41	2.74	2.76	2.93	2.73	2.68
γ 164.0	5.41	5.20	5.23	4.92	4.72	4.38	2.68	2.95	3.07	3.24	3.09	3.00
γ 165.0	5.60	5.53	5.42	5.14	4.94	4.66	2.99	3.32	3.41	3.64	3.38	3.33
γ 166.0	5.91	5.81	5.70	5.47	5.26	4.94	3.34	3.69	3.72	3.84	3.63	3.59
γ 167.0	6.13	6.02	5.97	5.69	5.49	5.19	3.63	3.95	4.00	4.23	3.98	3.96
γ 168.0	6.39	6.28	6.20	5.93	5.77	5.51	4.02	4.27	4.30	4.46	4.19	4.23
γ 169.0	6.63	6.61	6.44	6.14	6.02	5.69	4.24	4.60	4.61	4.78	4.50	4.52
γ 170.0	6.84	6.80	6.72	6.46	6.28	5.97	4.59	4.89	4.97	5.03	4.87	4.79
γ 171.0	7.09	7.04	6.86	6.58	6.46	6.23	4.92	5.12	5.21	5.31	5.14	5.03
γ 172.0	7.18	7.20	7.09	6.83	6.67	6.36	5.20	5.39	5.47	5.57	5.35	5.31