

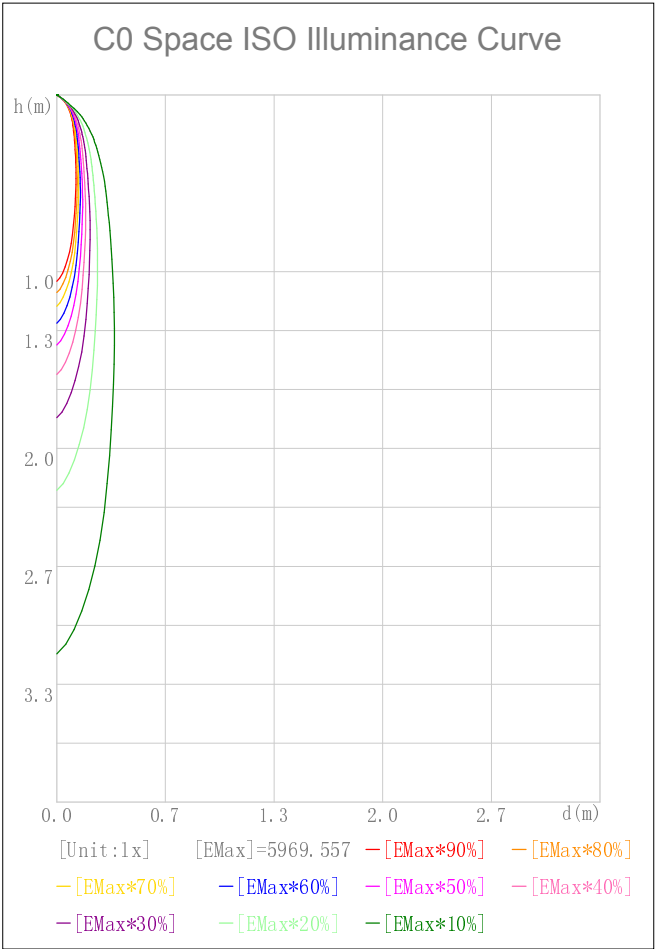
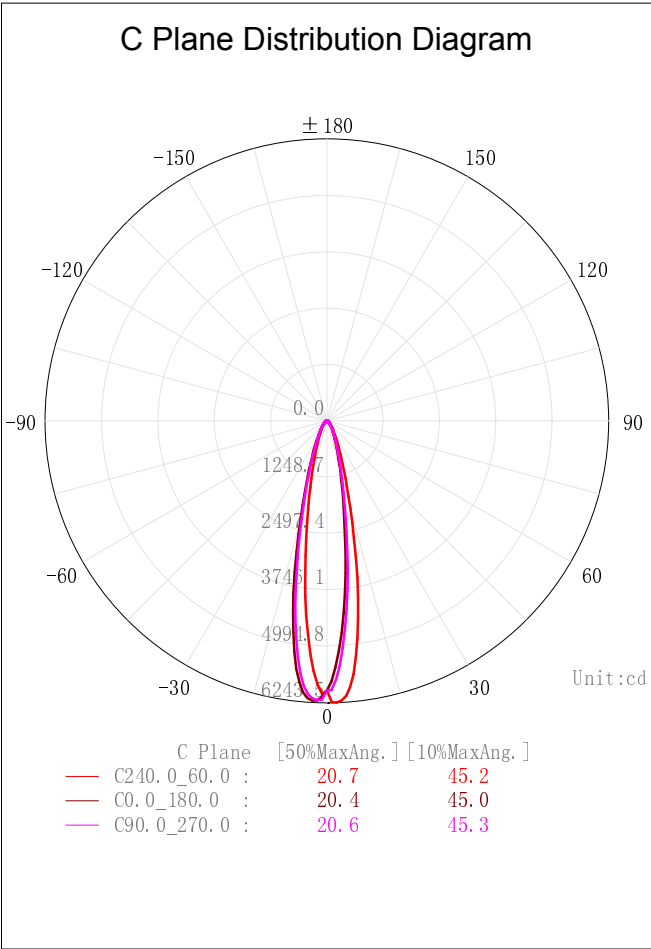
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2024/03/12
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): 3000 Ra: 80
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

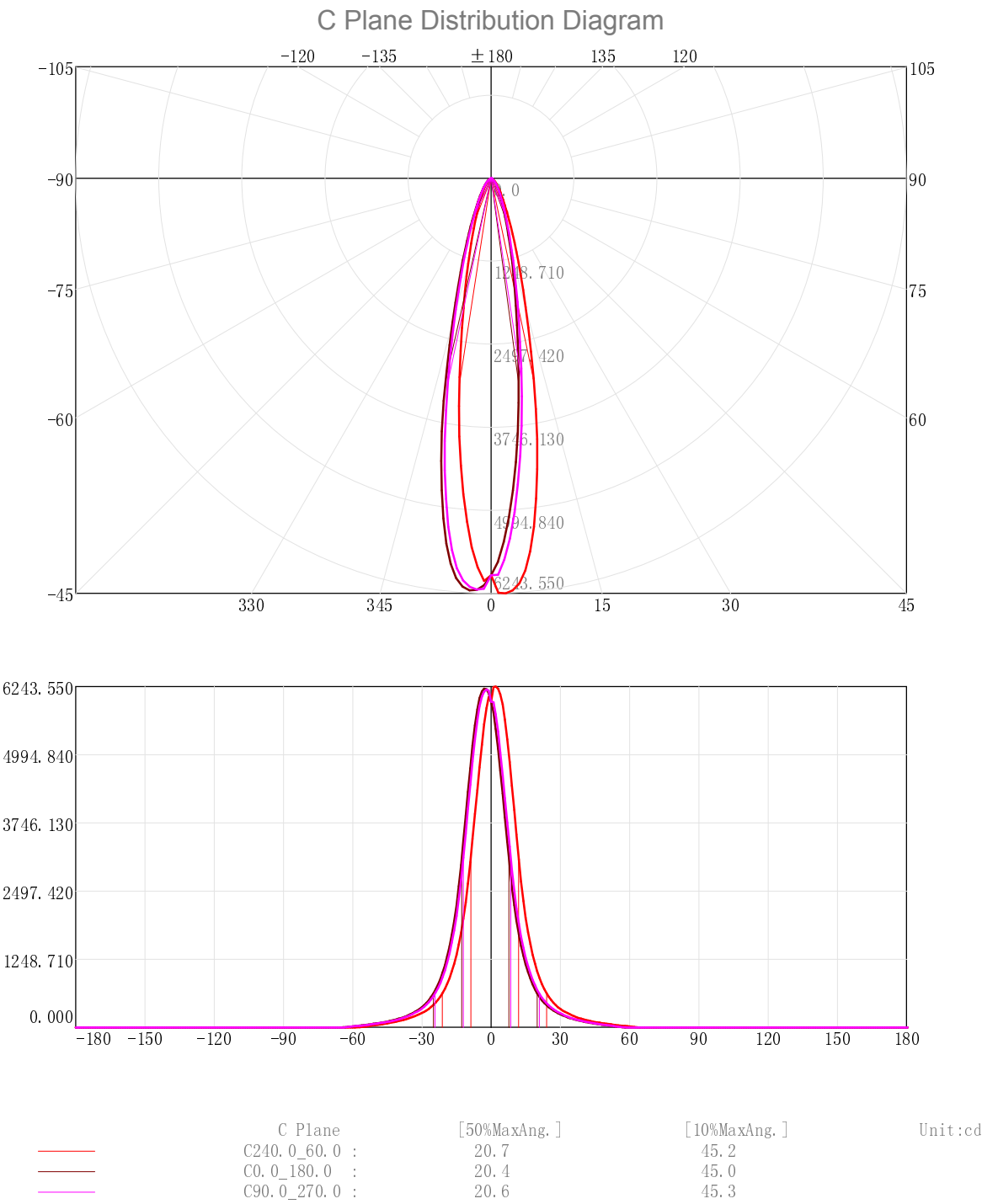
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1377.470	Luminary Flux(lm): 1377.468	Field Angle(10%Imax): 45.2(°)	
Rated Power(W): 15	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1377.088lm 99.97%	
Rated Voltage(V): 220	Luminary EER(lm/W): 92.759	Up Lumens&Percent: 0.380lm 0.03%	
Tested Power(W): 14.850	Max. Candela(cd): 6243.550	S/MH: C0_a180=0.358 C90_270=0.360	
Lamps' Inside: 1	Max Cand@Ang.(°): C=240.0 γ=2.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):221.1, 0.070, 0.949	Beam Angle(50%Imax): 20.7(°)	ErP Φ use(90°): 1310.010lm	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-8.8°, Right=11.9°	IRF(%): 940.086	



2D Plane Light Intensity Distribution Curve

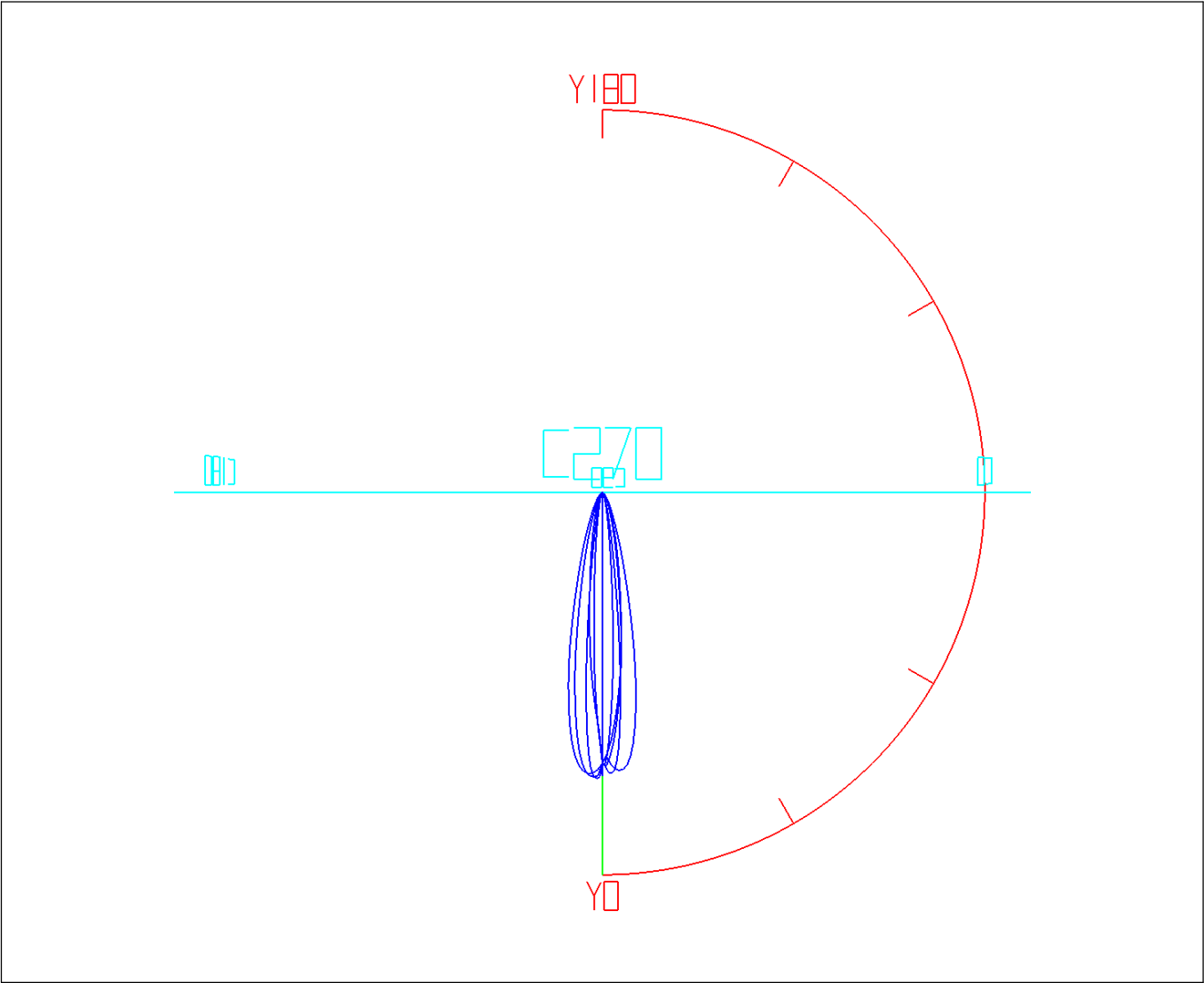
Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/03/12



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: 2024/03/12

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

IES Indoor Report

Photometric Filename:DL-15W-COB-1500-BH-24D.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	5.69	5.69	0.41	0.41	47.0-48.0	5.79	1337.75	0.42	97.12
1.0-2.0	16.87	22.57	1.22	1.64	48.0-49.0	5.38	1343.13	0.39	97.51
2.0-3.0	27.45	50.02	1.99	3.63	49.0-50.0	4.99	1348.12	0.36	97.87
3.0-4.0	37.09	87.11	2.69	6.32	50.0-51.0	4.61	1352.73	0.33	98.20
4.0-5.0	45.51	132.62	3.30	9.63	51.0-52.0	4.22	1356.95	0.31	98.51
5.0-6.0	52.43	185.05	3.81	13.43	52.0-53.0	3.73	1360.68	0.27	98.78
6.0-7.0	57.62	242.66	4.18	17.62	53.0-54.0	3.19	1363.88	0.23	99.01
7.0-8.0	60.96	303.62	4.43	22.04	54.0-55.0	2.70	1366.57	0.20	99.21
8.0-9.0	62.59	366.20	4.54	26.59	55.0-56.0	2.28	1368.86	0.17	99.37
9.0-10.0	62.79	429.00	4.56	31.14	56.0-57.0	1.93	1370.79	0.14	99.51
10.0-11.0	61.80	490.80	4.49	35.63	57.0-58.0	1.64	1372.42	0.12	99.63
11.0-12.0	59.75	550.54	4.34	39.97	58.0-59.0	1.39	1373.81	0.10	99.73
12.0-13.0	56.92	607.46	4.13	44.10	59.0-60.0	1.13	1374.94	0.08	99.82
13.0-14.0	53.64	661.10	3.89	47.99	60.0-61.0	0.84	1375.79	0.06	99.88
14.0-15.0	50.15	711.25	3.64	51.63	61.0-62.0	0.58	1376.36	0.04	99.92
15.0-16.0	46.67	757.92	3.39	55.02	62.0-63.0	0.37	1376.73	0.03	99.95
16.0-17.0	43.33	801.25	3.15	58.17	63.0-64.0	0.22	1376.95	0.02	99.96
17.0-18.0	40.19	841.44	2.92	61.09	64.0-65.0	0.10	1377.05	0.01	99.97
18.0-19.0	37.28	878.72	2.71	63.79	65.0-66.0	0.03	1377.09	0.00	99.97
19.0-20.0	34.57	913.29	2.51	66.30	66.0-67.0	0.00	1377.09	0.00	99.97
20.0-21.0	32.04	945.33	2.33	68.63	67.0-68.0	0.00	1377.09	0.00	99.97
21.0-22.0	29.71	975.03	2.16	70.78	68.0-69.0	0.00	1377.09	0.00	99.97
22.0-23.0	27.56	1002.59	2.00	72.79	69.0-70.0	0.00	1377.09	0.00	99.97
23.0-24.0	25.61	1028.20	1.86	74.64	70.0-71.0	0.00	1377.09	0.00	99.97
24.0-25.0	23.86	1052.06	1.73	76.38	71.0-72.0	0.00	1377.09	0.00	99.97
25.0-26.0	22.28	1074.34	1.62	77.99	72.0-73.0	0.00	1377.09	0.00	99.97
26.0-27.0	20.85	1095.19	1.51	79.51	73.0-74.0	0.00	1377.09	0.00	99.97
27.0-28.0	19.55	1114.74	1.42	80.93	74.0-75.0	0.00	1377.09	0.00	99.97
28.0-29.0	18.39	1133.14	1.34	82.26	75.0-76.0	0.00	1377.09	0.00	99.97
29.0-30.0	17.34	1150.48	1.26	83.52	76.0-77.0	0.00	1377.09	0.00	99.97
30.0-31.0	16.37	1166.84	1.19	84.71	77.0-78.0	0.00	1377.09	0.00	99.97
31.0-32.0	15.43	1182.28	1.12	85.83	78.0-79.0	0.00	1377.09	0.00	99.97
32.0-33.0	14.56	1196.84	1.06	86.89	79.0-80.0	0.00	1377.09	0.00	99.97
33.0-34.0	13.77	1210.61	1.00	87.89	80.0-81.0	0.00	1377.09	0.00	99.97
34.0-35.0	13.02	1223.64	0.95	88.83	81.0-82.0	0.00	1377.09	0.00	99.97
35.0-36.0	12.29	1235.93	0.89	89.72	82.0-83.0	0.00	1377.09	0.00	99.97
36.0-37.0	11.59	1247.52	0.84	90.57	83.0-84.0	0.00	1377.09	0.00	99.97
37.0-38.0	10.91	1258.42	0.79	91.36	84.0-85.0	0.00	1377.09	0.00	99.97
38.0-39.0	10.27	1268.70	0.75	92.10	85.0-86.0	0.00	1377.09	0.00	99.97
39.0-40.0	9.69	1278.38	0.70	92.81	86.0-87.0	0.00	1377.09	0.00	99.97
40.0-41.0	9.13	1287.52	0.66	93.47	87.0-88.0	0.00	1377.09	0.00	99.97
41.0-42.0	8.62	1296.13	0.63	94.10	88.0-89.0	0.00	1377.09	0.00	99.97
42.0-43.0	8.13	1304.26	0.59	94.69	89.0-90.0	0.00	1377.09	0.00	99.97
43.0-44.0	7.65	1311.91	0.56	95.24	90.0-91.0	0.00	1377.09	0.00	99.97
44.0-45.0	7.16	1319.07	0.52	95.76	91.0-92.0	0.00	1377.09	0.00	99.97
45.0-46.0	6.67	1325.74	0.48	96.24	92.0-93.0	0.00	1377.09	0.00	99.97
46.0-47.0	6.22	1331.96	0.45	96.70	93.0-94.0	0.00	1377.09	0.00	99.97

IES Indoor Report

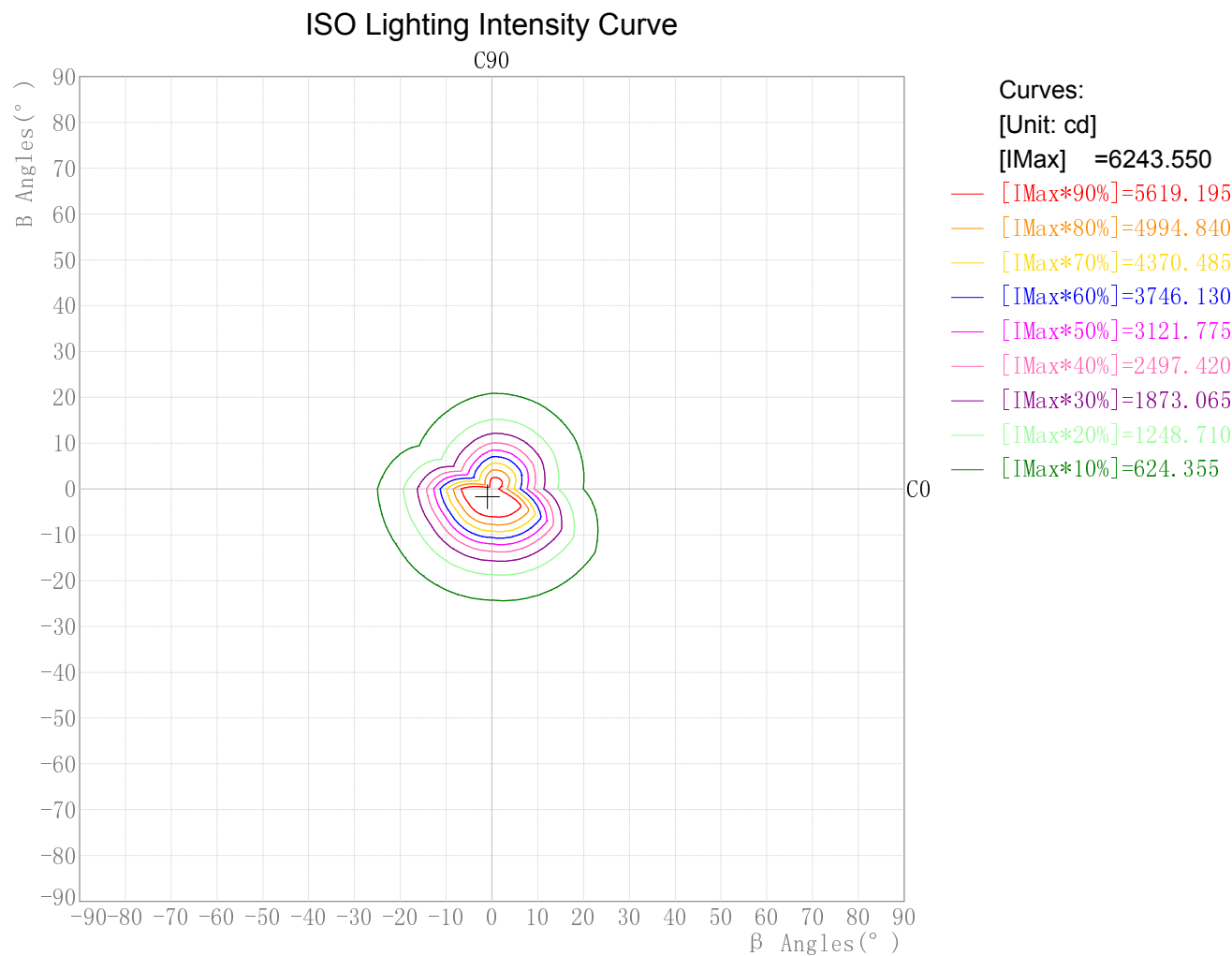
Photometric Filename:DL-15W-COB-1500-BH-24D.IES

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	1377.09	0.00	99.97	141.0-142.0	0.00	1377.09	0.00	99.97
95.0-96.0	0.00	1377.09	0.00	99.97	142.0-143.0	0.00	1377.09	0.00	99.97
96.0-97.0	0.00	1377.09	0.00	99.97	143.0-144.0	0.00	1377.09	0.00	99.97
97.0-98.0	0.00	1377.09	0.00	99.97	144.0-145.0	0.00	1377.09	0.00	99.97
98.0-99.0	0.00	1377.09	0.00	99.97	145.0-146.0	0.00	1377.09	0.00	99.97
99.0-100.0	0.00	1377.09	0.00	99.97	146.0-147.0	0.00	1377.09	0.00	99.97
100.0-101.0	0.00	1377.09	0.00	99.97	147.0-148.0	0.00	1377.09	0.00	99.97
101.0-102.0	0.00	1377.09	0.00	99.97	148.0-149.0	0.00	1377.09	0.00	99.97
102.0-103.0	0.00	1377.09	0.00	99.97	149.0-150.0	0.00	1377.09	0.00	99.97
103.0-104.0	0.00	1377.09	0.00	99.97	150.0-151.0	0.00	1377.09	0.00	99.97
104.0-105.0	0.00	1377.09	0.00	99.97	151.0-152.0	0.00	1377.09	0.00	99.97
105.0-106.0	0.00	1377.09	0.00	99.97	152.0-153.0	0.00	1377.09	0.00	99.97
106.0-107.0	0.00	1377.09	0.00	99.97	153.0-154.0	0.00	1377.09	0.00	99.97
107.0-108.0	0.00	1377.09	0.00	99.97	154.0-155.0	0.00	1377.10	0.00	99.97
108.0-109.0	0.00	1377.09	0.00	99.97	155.0-156.0	0.01	1377.10	0.00	99.97
109.0-110.0	0.00	1377.09	0.00	99.97	156.0-157.0	0.01	1377.12	0.00	99.97
110.0-111.0	0.00	1377.09	0.00	99.97	157.0-158.0	0.02	1377.13	0.00	99.98
111.0-112.0	0.00	1377.09	0.00	99.97	158.0-159.0	0.02	1377.15	0.00	99.98
112.0-113.0	0.00	1377.09	0.00	99.97	159.0-160.0	0.02	1377.17	0.00	99.98
113.0-114.0	0.00	1377.09	0.00	99.97	160.0-161.0	0.02	1377.20	0.00	99.98
114.0-115.0	0.00	1377.09	0.00	99.97	161.0-162.0	0.03	1377.22	0.00	99.98
115.0-116.0	0.00	1377.09	0.00	99.97	162.0-163.0	0.03	1377.25	0.00	99.98
116.0-117.0	0.00	1377.09	0.00	99.97	163.0-164.0	0.03	1377.28	0.00	99.99
117.0-118.0	0.00	1377.09	0.00	99.97	164.0-165.0	0.03	1377.30	0.00	99.99
118.0-119.0	0.00	1377.09	0.00	99.97	165.0-166.0	0.02	1377.33	0.00	99.99
119.0-120.0	0.00	1377.09	0.00	99.97	166.0-167.0	0.02	1377.35	0.00	99.99
120.0-121.0	0.00	1377.09	0.00	99.97	167.0-168.0	0.02	1377.37	0.00	99.99
121.0-122.0	0.00	1377.09	0.00	99.97	168.0-169.0	0.02	1377.39	0.00	99.99
122.0-123.0	0.00	1377.09	0.00	99.97	169.0-170.0	0.02	1377.40	0.00	100.00
123.0-124.0	0.00	1377.09	0.00	99.97	170.0-171.0	0.01	1377.42	0.00	100.00
124.0-125.0	0.00	1377.09	0.00	99.97	171.0-172.0	0.01	1377.43	0.00	100.00
125.0-126.0	0.00	1377.09	0.00	99.97	172.0-173.0	0.01	1377.44	0.00	100.00
126.0-127.0	0.00	1377.09	0.00	99.97	173.0-174.0	0.01	1377.45	0.00	100.00
127.0-128.0	0.00	1377.09	0.00	99.97	174.0-175.0	0.01	1377.45	0.00	100.00
128.0-129.0	0.00	1377.09	0.00	99.97	175.0-176.0	0.01	1377.46	0.00	100.00
129.0-130.0	0.00	1377.09	0.00	99.97	176.0-177.0	0.00	1377.46	0.00	100.00
130.0-131.0	0.00	1377.09	0.00	99.97	177.0-178.0	0.00	1377.47	0.00	100.00
131.0-132.0	0.00	1377.09	0.00	99.97	178.0-179.0	0.00	1377.47	0.00	100.00
132.0-133.0	0.00	1377.09	0.00	99.97	179.0-180.0	0.00	1377.47	0.00	100.00
133.0-134.0	0.00	1377.09	0.00	99.97					
134.0-135.0	0.00	1377.09	0.00	99.97					
135.0-136.0	0.00	1377.09	0.00	99.97					
136.0-137.0	0.00	1377.09	0.00	99.97					
137.0-138.0	0.00	1377.09	0.00	99.97					
138.0-139.0	0.00	1377.09	0.00	99.97					
139.0-140.0	0.00	1377.09	0.00	99.97					
140.0-141.0	0.00	1377.09	0.00	99.97					

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: 2024/03/12



Maximum Light Intensity(cd): 6243.55

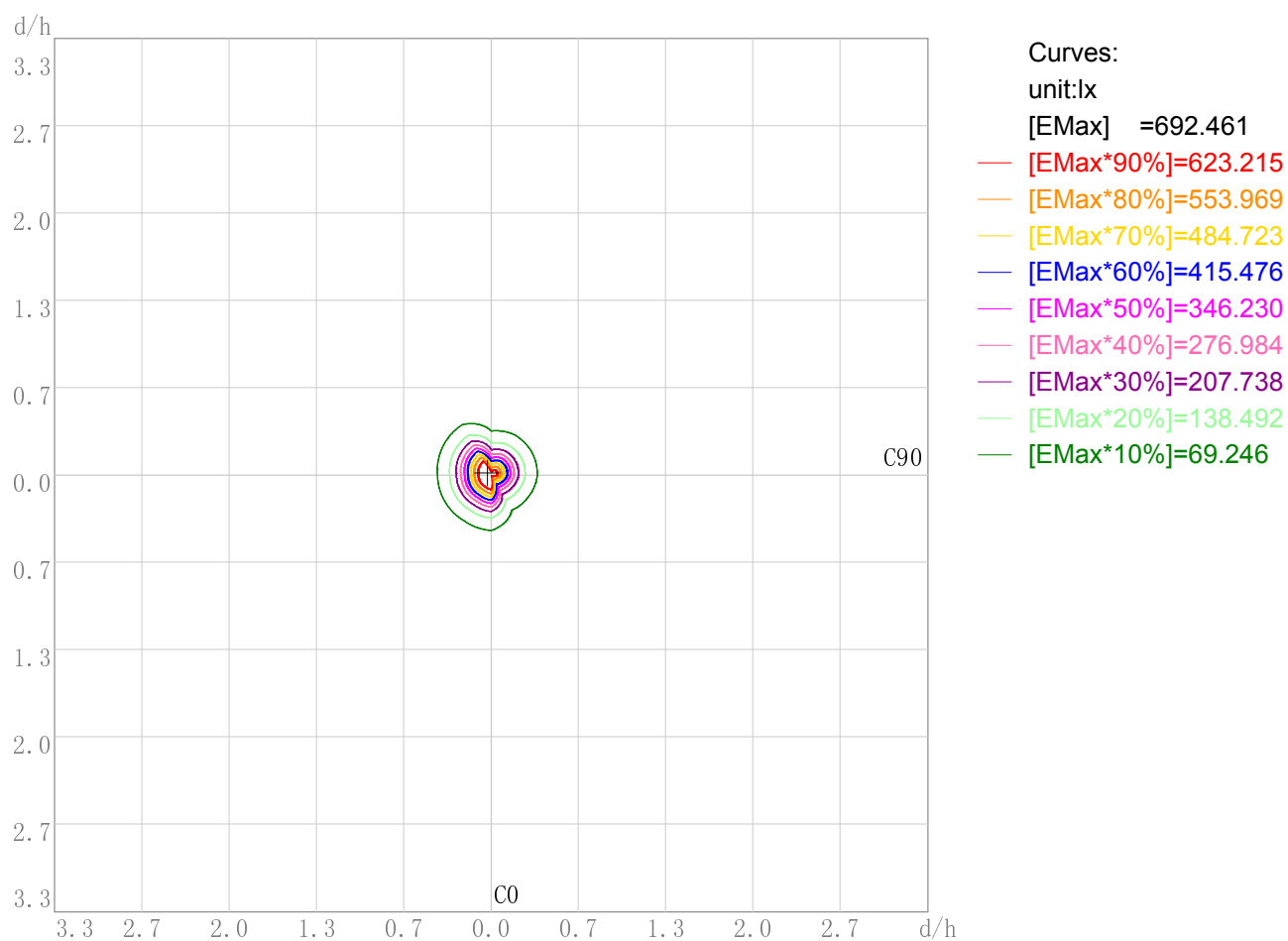
Maximum Cand.@Angle: H=-1.0°,V=-1.7°

Photometric Filename:DL-15W-COB-1500-BH-24D.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: 2024/03/12

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

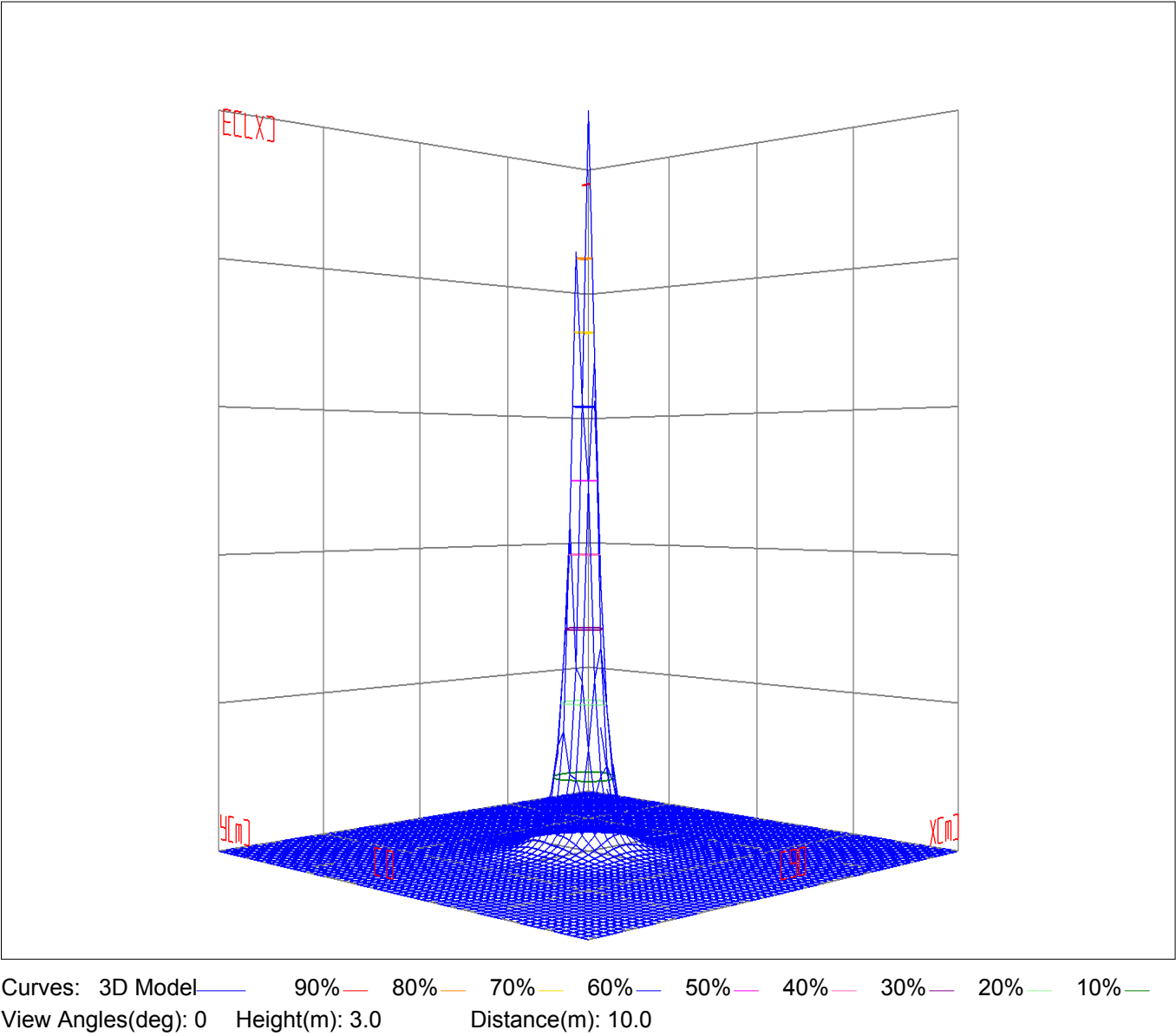
Working Plane Maximum Illuminance(lx): 692.46

Working Plane Maximum Illuminance Position(d/h):H-0.0 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: 2024/03/12

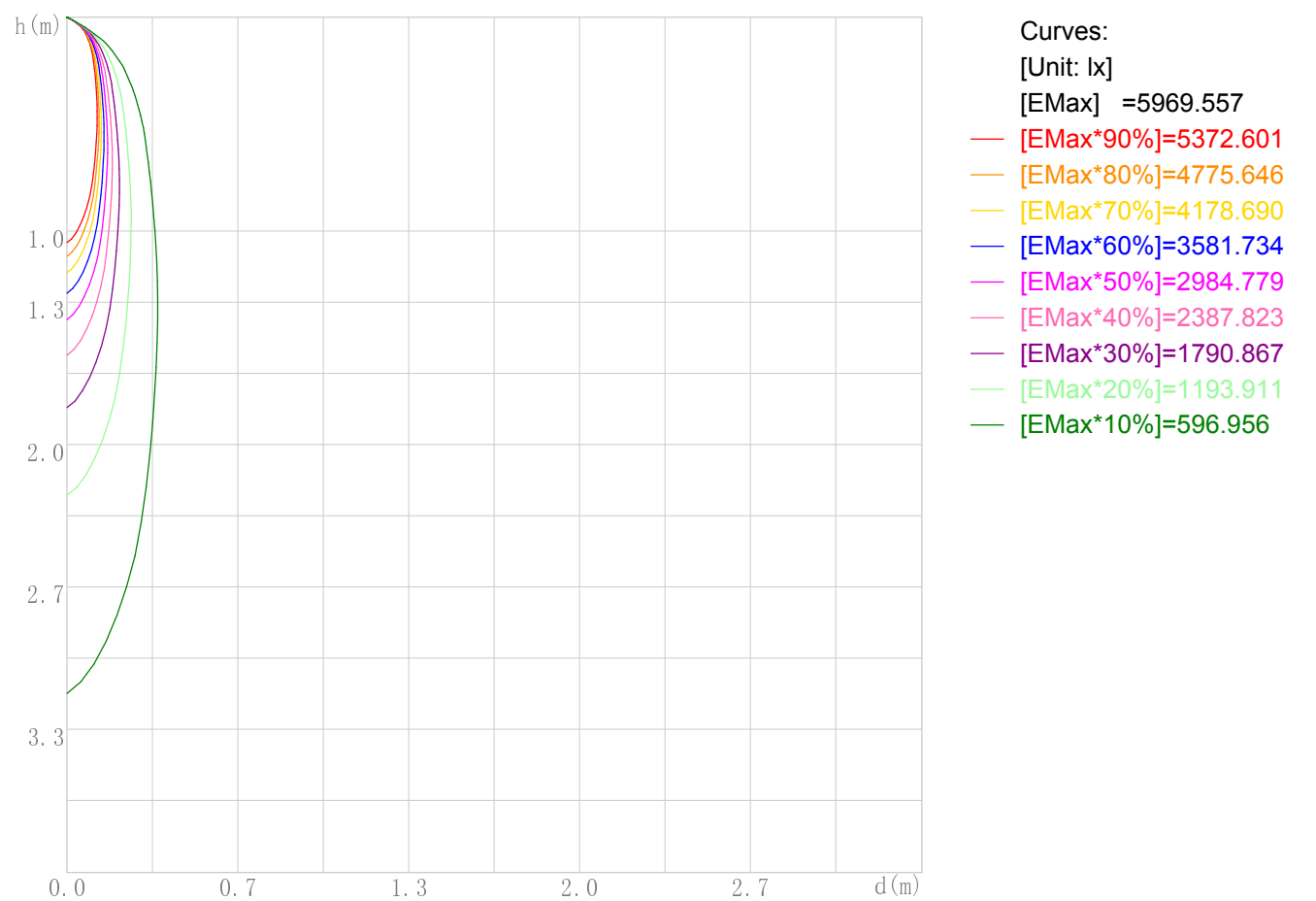
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/12

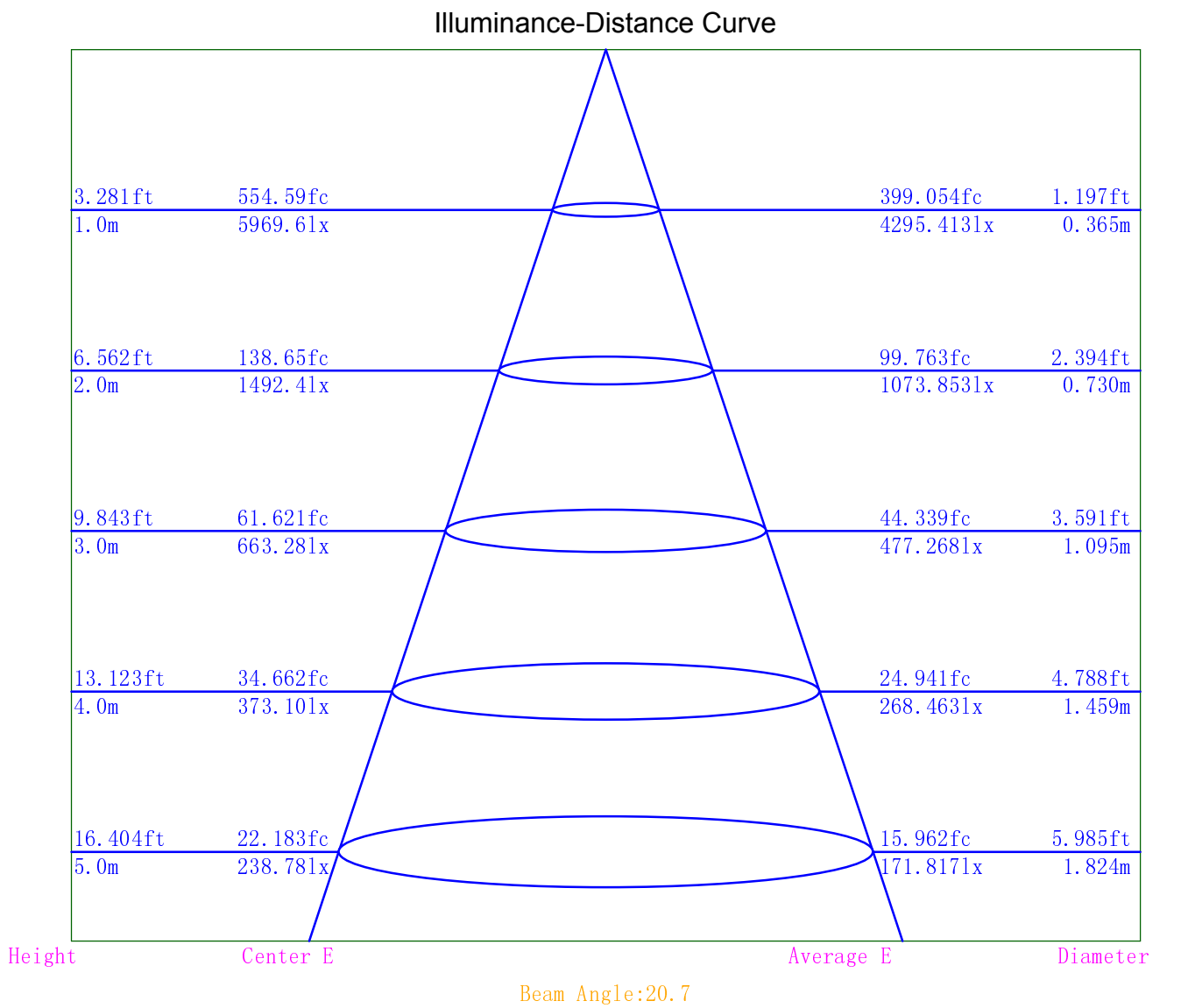
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:5969.56lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:5969.557cd,0eg

Illuminance-Distance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/12



Indoor Luminance Limiting Curves

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/03/12

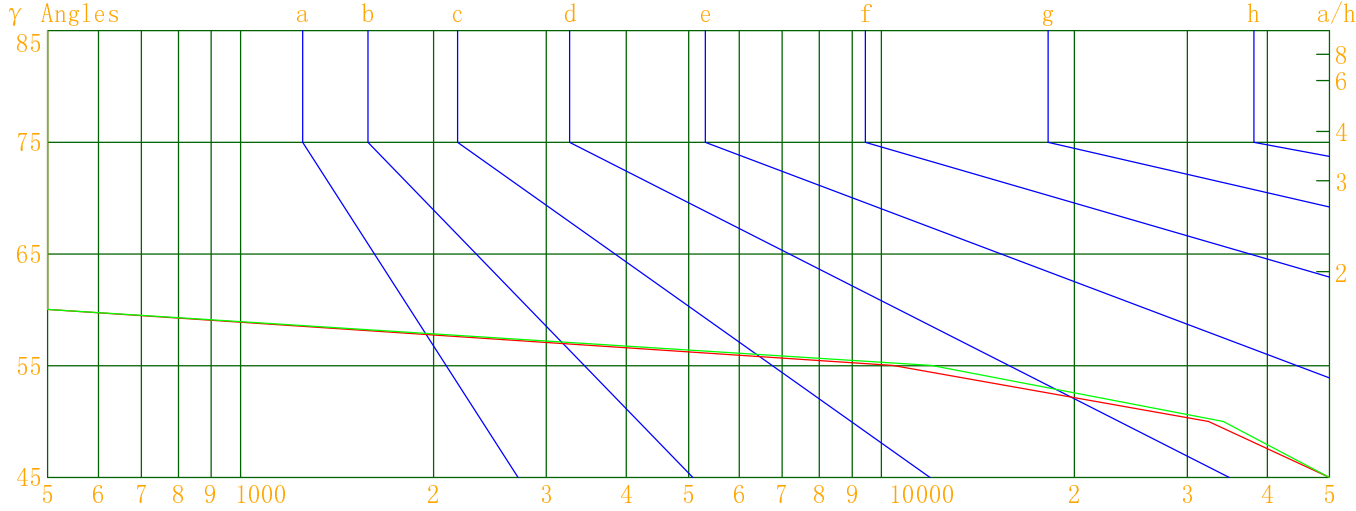
Glare Grade Table

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	50854	32380	10418	0	0	0	0	0	0
C90	53716	34131	11977	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

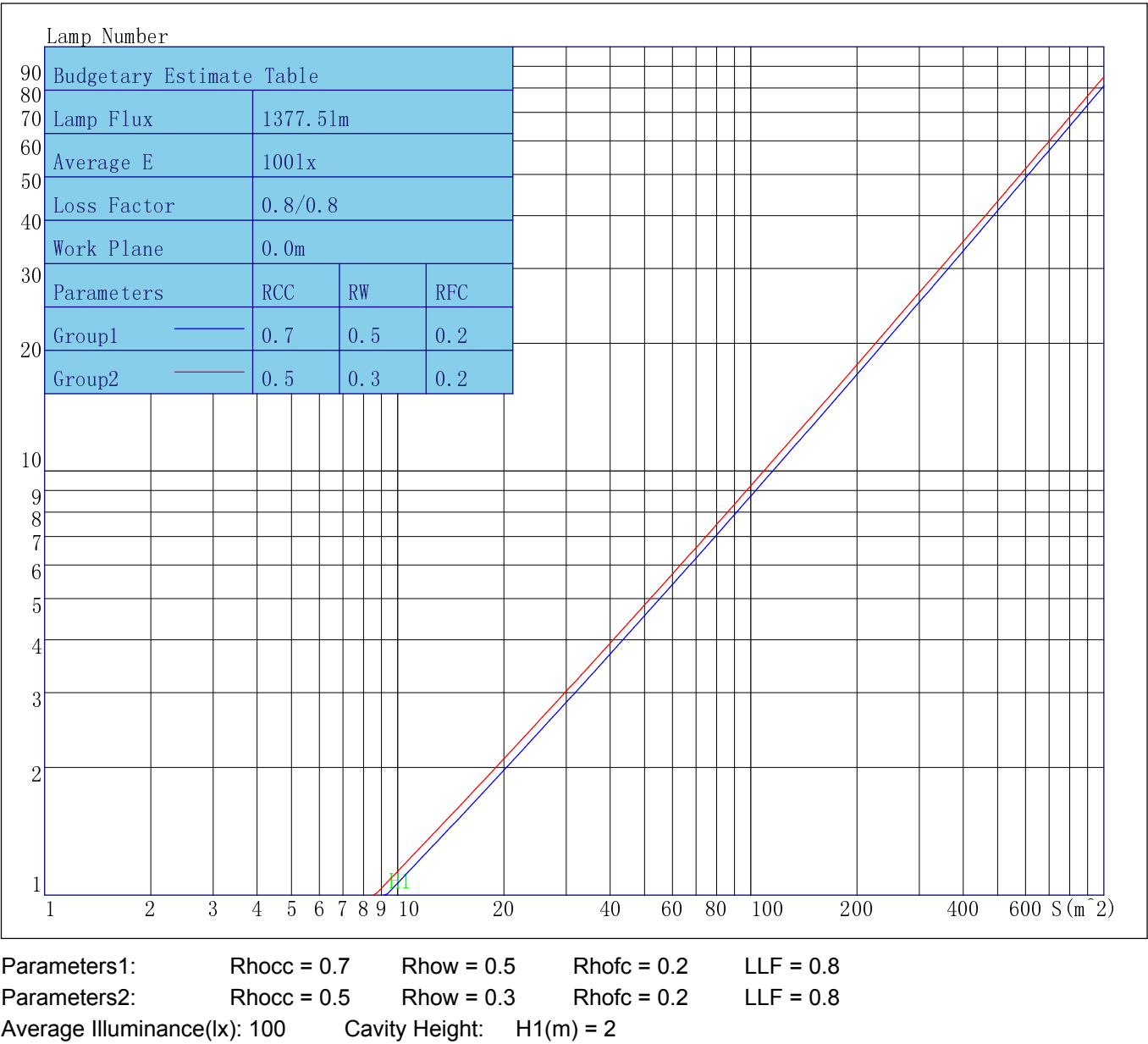
Luminous Curves:

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: 2024/03/12



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: 2024/03/12

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	50	30	10	0
RCR	Coefficient of Utilization(%)																				
0	119	119	119	119	116	116	116	116	111	111	111	111	106	106	106	106	102	102	102	100	
1	114	112	110	108	112	110	108	106	106	105	103	103	102	101	100	100	99	98	97	95	
2	110	106	103	100	108	104	101	99	101	99	96	96	98	96	94	94	96	94	93	91	
3	106	100	96	93	104	99	95	92	97	93	91	91	94	92	90	90	92	90	88	87	
4	102	96	91	88	100	95	90	87	92	89	86	86	91	88	85	85	89	86	84	83	
5	98	91	87	83	97	90	86	83	89	85	82	82	87	84	81	81	86	83	81	79	
6	95	87	83	79	93	87	82	79	85	81	78	78	84	81	78	78	83	80	77	76	
7	91	84	79	76	90	83	79	76	82	78	75	75	81	77	75	75	80	77	74	73	
8	88	81	76	73	87	80	76	73	79	75	72	72	78	75	72	72	77	74	72	71	
9	86	78	73	70	85	77	73	70	77	73	70	70	76	72	70	70	75	72	69	68	
10	83	75	71	68	82	75	70	68	74	70	67	67	73	70	67	67	73	69	67	66	

Unified Glare Rating Table

Lum. Name: 55252	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/12

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	20.2	21.2	20.6	21.5	21.8	18.4	19.4	18.8	19.7	20.1
	Y=3H	20.0	20.9	20.4	21.2	21.6	18.2	19.1	18.6	19.4	19.8
	Y=4H	19.9	20.7	20.3	21.1	21.4	18.1	18.9	18.6	19.3	19.7
	Y=6H	19.8	20.5	20.2	20.9	21.3	18.0	18.8	18.5	19.1	19.5
	Y=8H	19.7	20.4	20.2	20.8	21.2	18.0	18.7	18.4	19.1	19.5
	Y=12H	19.7	20.3	20.1	20.7	21.1	17.9	18.6	18.4	19.0	19.4
X=4H	Y=2H	20.0	20.8	20.4	21.2	21.6	18.2	19.0	18.6	19.3	19.7
	Y=3H	19.8	20.5	20.2	20.9	21.3	18.0	18.6	18.4	19.0	19.4
	Y=4H	19.7	20.3	20.1	20.7	21.1	17.8	18.4	18.3	18.8	19.3
	Y=6H	19.6	20.1	20.0	20.5	21.0	17.7	18.2	18.2	18.7	19.1
	Y=8H	19.5	20.0	20.0	20.4	20.9	17.6	18.1	18.1	18.6	19.0
	Y=12H	19.4	19.8	19.9	20.3	20.8	17.6	18.0	18.1	18.5	18.9
X=8H	Y=4H	19.5	20.0	20.0	20.4	20.9	17.6	18.1	18.1	18.6	19.0
	Y=6H	19.4	19.7	19.9	20.2	20.8	17.5	17.9	18.0	18.4	18.9
	Y=8H	19.3	19.6	19.8	20.1	20.6	17.4	17.8	18.0	18.3	18.8
	Y=12H	19.2	19.5	19.8	20.0	20.6	17.4	17.7	17.9	18.2	18.8
X=12H	Y=4H	19.4	19.8	19.9	20.3	20.8	17.6	18.0	18.1	18.5	18.9
	Y=6H	19.3	19.6	19.8	20.1	20.6	17.4	17.8	18.0	18.2	18.8
	Y=8H	19.2	19.5	19.8	20.0	20.6	17.4	17.7	17.9	18.2	18.8
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		12.0/0.0					0.0/0.0				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.1					0.0				

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

IES Indoor Report

Photometric Filename:DL-15W-COB-1500-BH-24D.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	5969.56	5969.56	5969.56	5969.56	5969.56	5969.56	5969.56	5969.56	5969.56	5969.56	5969.56	5969.56
γ 1. 0	5768.82	6034.22	6052.70	5959.35	5592.59	5235.68	6119.36	6222.78	6231.26	6171.90	5989.00	5795.56
γ 2. 0	5468.97	5832.48	5848.79	5735.58	5269.82	4851.92	6192.24	6240.49	6243.55	6186.94	6076.55	5956.39
γ 3. 0	5105.06	5536.29	5553.35	5420.68	4879.21	4438.03	6204.25	6199.72	6202.44	6152.21	6103.60	6045.75
γ 4. 0	4703.73	5163.96	5178.83	5034.97	4461.08	4015.51	6154.00	6093.25	6102.86	6061.21	6078.99	6074.25
γ 5. 0	4283.16	4761.15	4764.98	4622.17	4036.15	3579.07	6031.31	5897.83	5919.56	5885.61	5989.83	6039.86
γ 6. 0	3848.40	4341.42	4344.50	4198.14	3592.76	3138.97	5824.75	5609.92	5639.13	5622.31	5814.08	5935.41
γ 7. 0	3401.48	3907.60	3908.73	3750.80	3144.09	2726.56	5534.75	5243.36	5276.85	5276.61	5557.66	5752.60
γ 8. 0	2968.79	3465.32	3456.90	3309.35	2736.13	2363.79	5164.47	4825.36	4861.36	4870.48	5213.54	5489.11
γ 9. 0	2579.95	3035.84	3026.09	2890.30	2379.90	2052.58	4748.33	4387.69	4424.86	4445.46	4821.38	5150.59
γ 10. 0	2240.59	2642.29	2636.47	2506.21	2070.26	1789.55	4315.84	3948.33	3983.87	4010.13	4413.46	4767.18
γ 11. 0	1953.56	2297.96	2292.34	2178.21	1804.68	1564.95	3875.54	3487.61	3531.67	3554.76	3988.67	4363.63
γ 12. 0	1709.11	2001.21	1996.37	1901.15	1578.70	1373.18	3420.92	3032.38	3076.46	3110.65	3550.66	3942.68
γ 13. 0	1497.83	1747.53	1742.45	1662.80	1384.98	1206.29	2976.93	2631.13	2671.83	2711.15	3121.90	3503.13
γ 14. 0	1315.07	1528.23	1521.47	1457.64	1217.33	1061.11	2584.41	2281.14	2314.10	2355.30	2718.05	3074.98
γ 15. 0	1155.03	1335.68	1330.83	1279.23	1071.79	934.88	2238.01	1979.32	2006.39	2044.70	2354.46	2679.74
γ 16. 0	1015.70	1170.82	1167.22	1123.57	944.64	824.70	1943.10	1721.19	1745.47	1778.13	2048.25	2325.70
γ 17. 0	892.99	1027.88	1025.49	988.84	833.57	730.84	1694.59	1502.48	1524.01	1552.95	1784.14	2022.03
γ 18. 0	787.88	904.93	903.72	873.56	738.98	651.60	1483.17	1315.62	1334.42	1358.76	1556.83	1764.59
γ 19. 0	697.65	798.09	799.01	773.69	657.49	582.88	1301.23	1156.56	1170.83	1191.90	1366.32	1543.96
γ 20. 0	621.01	706.17	708.35	686.91	587.54	523.37	1142.30	1016.67	1028.07	1047.14	1201.49	1354.56
γ 21. 0	556.22	628.61	631.73	612.42	527.06	471.31	1004.94	894.95	903.86	922.62	1056.54	1188.61
γ 22. 0	499.69	561.03	565.41	548.69	474.24	425.56	886.78	789.57	797.43	814.56	931.35	1045.33
γ 23. 0	450.24	503.00	507.04	493.70	428.46	386.11	784.59	699.31	705.38	720.71	822.31	920.80
γ 24. 0	408.09	453.17	456.52	445.70	389.07	351.75	696.83	623.26	627.66	641.52	728.68	812.99
γ 25. 0	371.11	410.46	413.03	403.73	354.30	321.42	621.96	558.25	561.04	573.66	648.48	719.82
γ 26. 0	338.36	372.97	375.62	366.73	323.44	294.49	556.99	501.42	502.85	514.71	579.81	641.07
γ 27. 0	309.68	339.95	342.47	334.24	296.13	271.37	500.72	451.51	452.55	463.88	520.64	573.39
γ 28. 0	284.71	311.11	313.34	305.55	272.62	251.67	451.35	408.41	409.38	419.73	469.55	513.86
γ 29. 0	263.52	285.70	288.01	280.99	252.47	231.51	408.46	371.10	372.22	381.61	425.31	463.47
γ 30. 0	244.15	264.66	266.74	260.30	232.23	211.85	371.72	338.34	339.23	347.58	386.81	419.94
γ 31. 0	224.32	245.28	246.78	239.85	212.36	194.20	339.24	309.31	310.54	317.70	352.61	381.73
γ 32. 0	205.99	225.30	226.29	219.04	194.69	178.59	310.06	284.14	285.42	291.61	322.11	347.63
γ 33. 0	189.63	206.94	207.56	200.28	178.89	164.68	284.64	262.73	264.11	269.19	295.05	317.68
γ 34. 0	174.73	190.52	190.71	183.51	164.72	152.04	263.43	242.74	244.47	249.06	272.01	291.38
γ 35. 0	161.10	175.79	175.36	168.77	151.57	140.45	243.43	222.64	224.19	228.31	252.11	268.89
γ 36. 0	148.71	162.18	161.71	155.48	139.64	129.63	223.10	204.36	205.59	209.12	231.50	249.56
γ 37. 0	137.01	149.59	148.98	143.38	128.61	119.56	204.54	187.99	189.15	192.02	212.02	229.53
γ 38. 0	126.28	137.73	137.10	132.07	118.52	110.36	188.15	173.36	174.18	176.75	194.62	210.23
γ 39. 0	116.52	126.93	126.33	121.78	109.48	102.11	173.57	160.11	160.66	162.92	179.31	193.07
γ 40. 0	107.65	117.04	116.49	112.43	101.11	94.69	160.44	147.84	148.39	150.48	165.44	177.76
γ 41. 0	99.54	108.11	107.44	103.92	93.56	87.90	148.32	136.52	137.05	139.00	152.90	164.17
γ 42. 0	92.42	100.03	99.26	96.35	86.66	81.25	137.05	126.28	126.69	128.55	141.22	151.61
γ 43. 0	85.81	92.55	91.83	89.32	79.99	74.97	126.65	116.83	117.30	118.89	130.55	140.10
γ 44. 0	78.99	84.98	84.10	82.12	73.43	68.94	117.05	108.21	108.60	110.13	120.68	129.27
γ 45. 0	70.61	76.72	75.71	74.58	66.47	62.28	108.31	100.45	100.72	102.03	111.55	119.22
γ 46. 0	63.55	68.98	68.16	67.30	59.88	56.10	100.18	93.30	93.64	94.89	103.25	110.12

Photometric Filename:DL-15W-COB-1500-BH-24D.IES

Candela Tabulation - (Cont.)

[illegible]

Photometric Filename:DL-15W-COB-1500-BH-24D.IES

Candela Tabulation - (Cont.)

[illegible]

IES Indoor Report

Photometric Filename:DL-15W-COB-1500-BH-24D.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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 151.0	0.01	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	0.24	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	0.46	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	0.64	0.22	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
γ 155.0	0.81	0.37	0.00	0.05	0.01	0.12	0.00	0.00	0.00	0.00	0.00	0.00
γ 156.0	0.98	0.56	0.13	0.10	0.10	0.22	0.16	0.17	0.00	0.00	0.00	0.00
γ 157.0	1.12	0.65	0.32	0.23	0.21	0.31	0.41	0.40	0.15	0.01	0.00	0.00
γ 158.0	1.32	0.84	0.43	0.29	0.31	0.38	0.61	0.59	0.20	0.11	0.00	0.00
γ 159.0	1.41	0.92	0.55	0.41	0.37	0.43	0.80	0.79	0.34	0.28	0.10	0.00
γ 160.0	1.44	1.00	0.64	0.47	0.45	0.53	0.97	0.89	0.45	0.35	0.15	0.08
γ 161.0	1.51	1.05	0.78	0.58	0.53	0.54	1.14	1.05	0.55	0.45	0.35	0.17
γ 162.0	1.59	1.22	0.81	0.61	0.53	0.52	1.28	1.04	0.54	0.57	0.46	0.26
γ 163.0	1.63	1.25	0.87	0.61	0.56	0.51	1.28	1.18	0.56	0.60	0.56	0.42
γ 164.0	1.67	1.31	0.83	0.67	0.52	0.55	1.45	1.21	0.61	0.57	0.52	0.44
γ 165.0	1.60	1.30	0.92	0.64	0.51	0.54	1.52	1.27	0.63	0.59	0.61	0.52
γ 166.0	1.66	1.19	0.85	0.60	0.42	0.47	1.55	1.29	0.61	0.65	0.61	0.50
γ 167.0	1.60	1.22	0.83	0.66	0.39	0.43	1.64	1.33	0.69	0.61	0.59	0.61
γ 168.0	1.54	1.27	0.75	0.47	0.34	0.34	1.60	1.27	0.67	0.53	0.63	0.63
γ 169.0	1.55	1.18	0.75	0.50	0.28	0.30	1.64	1.29	0.64	0.54	0.61	0.61
γ 170.0	1.42	1.10	0.72	0.46	0.26	0.30	1.64	1.24	0.70	0.55	0.62	0.58
γ 171.0	1.44	1.13	0.67	0.38	0.18	0.21	1.63	1.19	0.61	0.40	0.51	0.62
γ 172.0	1.40	1.04	0.60	0.37	0.12	0.13	1.69	1.13	0.56	0.44	0.53	0.60
γ 173.0	1.37	1.06	0.61	0.28	0.07	0.16	1.58	1.10	0.51	0.39	0.48	0.58
γ 174.0	1.38	1.05	0.65	0.28	0.10	0.14	1.60	1.11	0.47	0.34	0.37	0.53
γ 175.0	1.47	1.10	0.56	0.19	0.08	0.16	1.54	1.05	0.43	0.27	0.40	0.45
γ 176.0	1.39	1.07	0.56	0.18	0.09	0.16	1.50	1.03	0.44	0.19	0.23	0.42
γ 177.0	1.43	0.96	0.57	0.18	0.04	0.12	1.41	0.94	0.36	0.10	0.14	0.26
γ 178.0	1.28	0.93	0.36	0.02	0.00	0.06	1.35	0.93	0.43	0.07	0.12	0.17
γ 179.0	1.31	0.89	0.37	0.02	0.00	0.06	1.36	0.97	0.43	0.08	0.01	0.15
γ 180.0	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57