

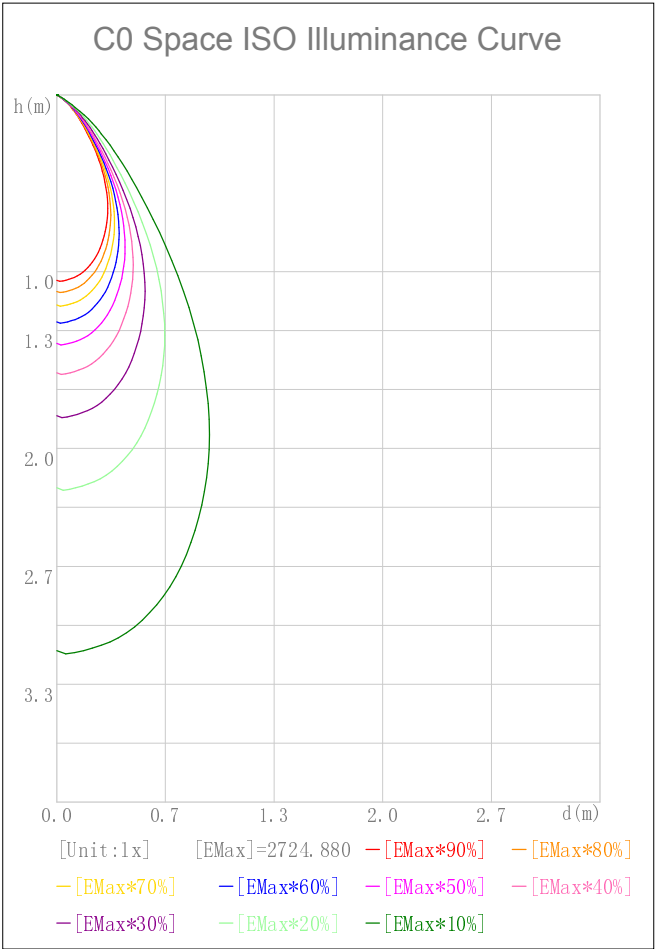
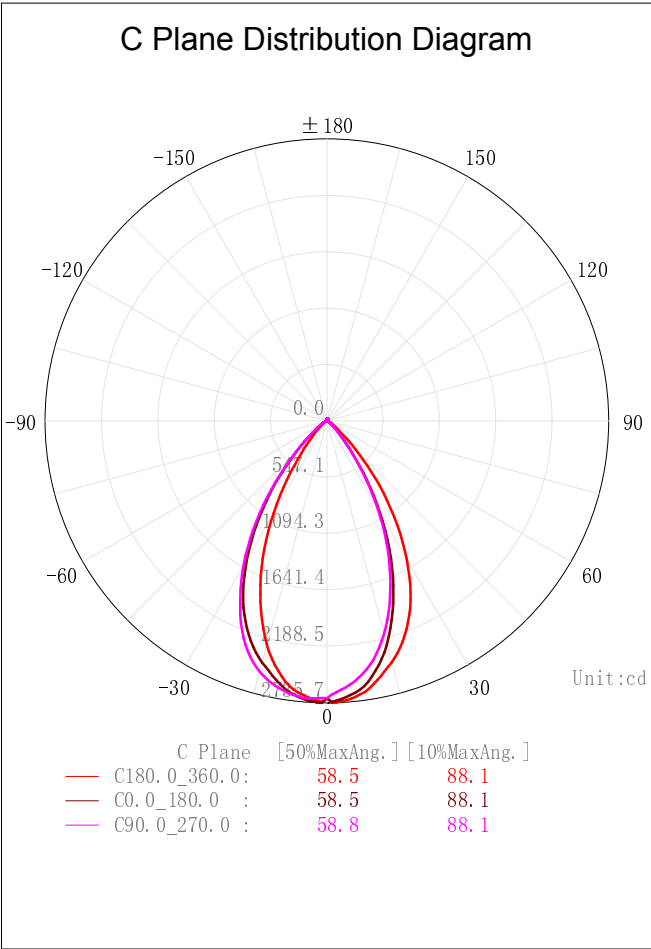
Indoor Luminaire Photometric Data

Description Information

Luminary Name: 55252		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2024/03/27
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

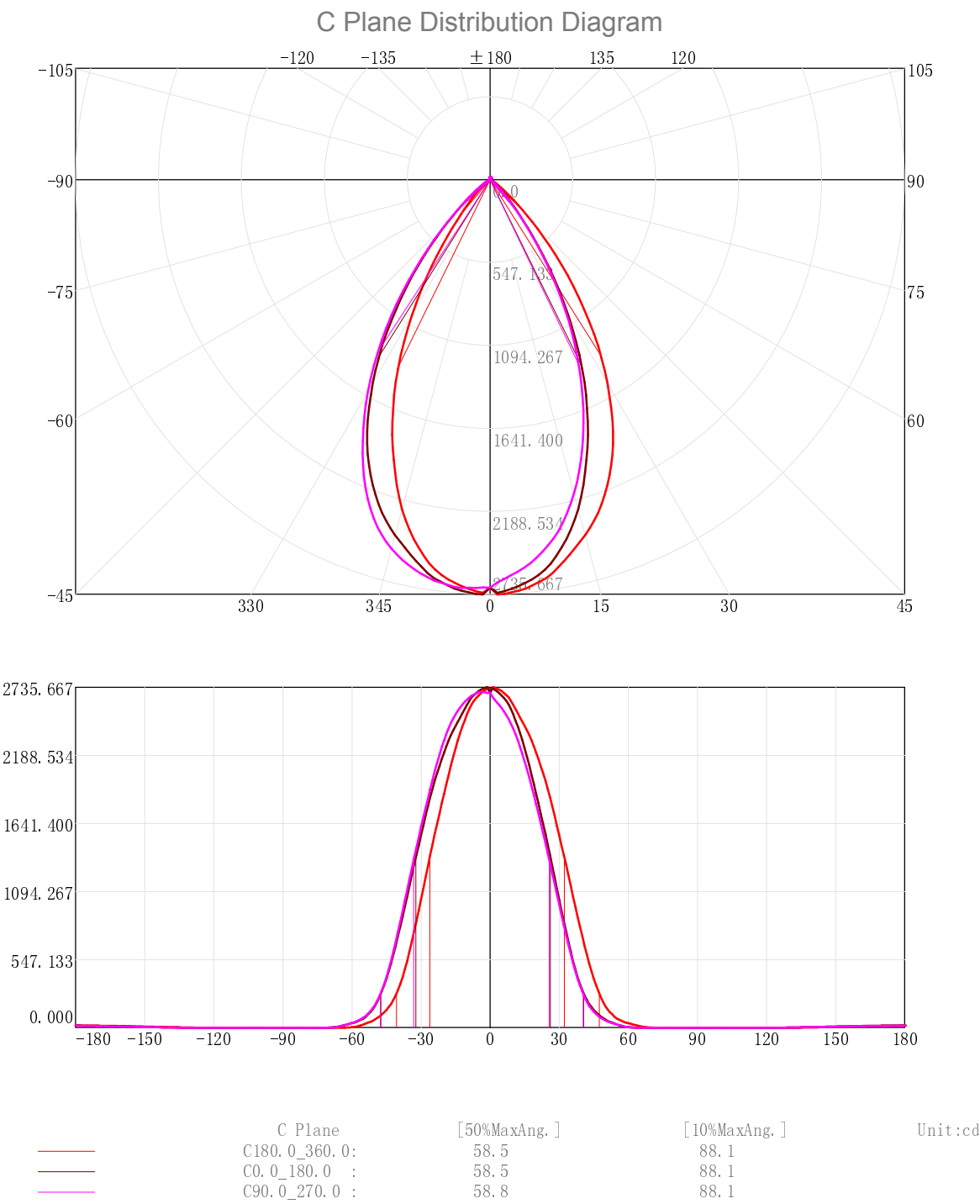
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 2514.350	Luminary Flux(lm): 2514.355	Field Angle(10%Imax): 88.1(°)	
Rated Power(W): 25	Luminary Efficiency: 100.00%	Down Lumens&Percent: 2499.531lm 99.41%	
Rated Voltage(V): 220	Luminary EER(lm/W): 109.845	Up Lumens&Percent: 14.823lm 0.59%	
Tested Power(W): 22.890	Max. Candela(cd): 2735.667	S/MH: C0_a180=0.897 C90_270=0.895	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):230.4, 0.104, 0.955	Beam Angle(50%Imax): 58.5(°)	ErP Φ use(90°): 2354.151lm	
Lamp Size(W*L*H):0.050m*-0.050m*0.000m	Left=-26.2°, Right=32.3°	IRF(%): 232.658	



2D Plane Light Intensity Distribution Curve

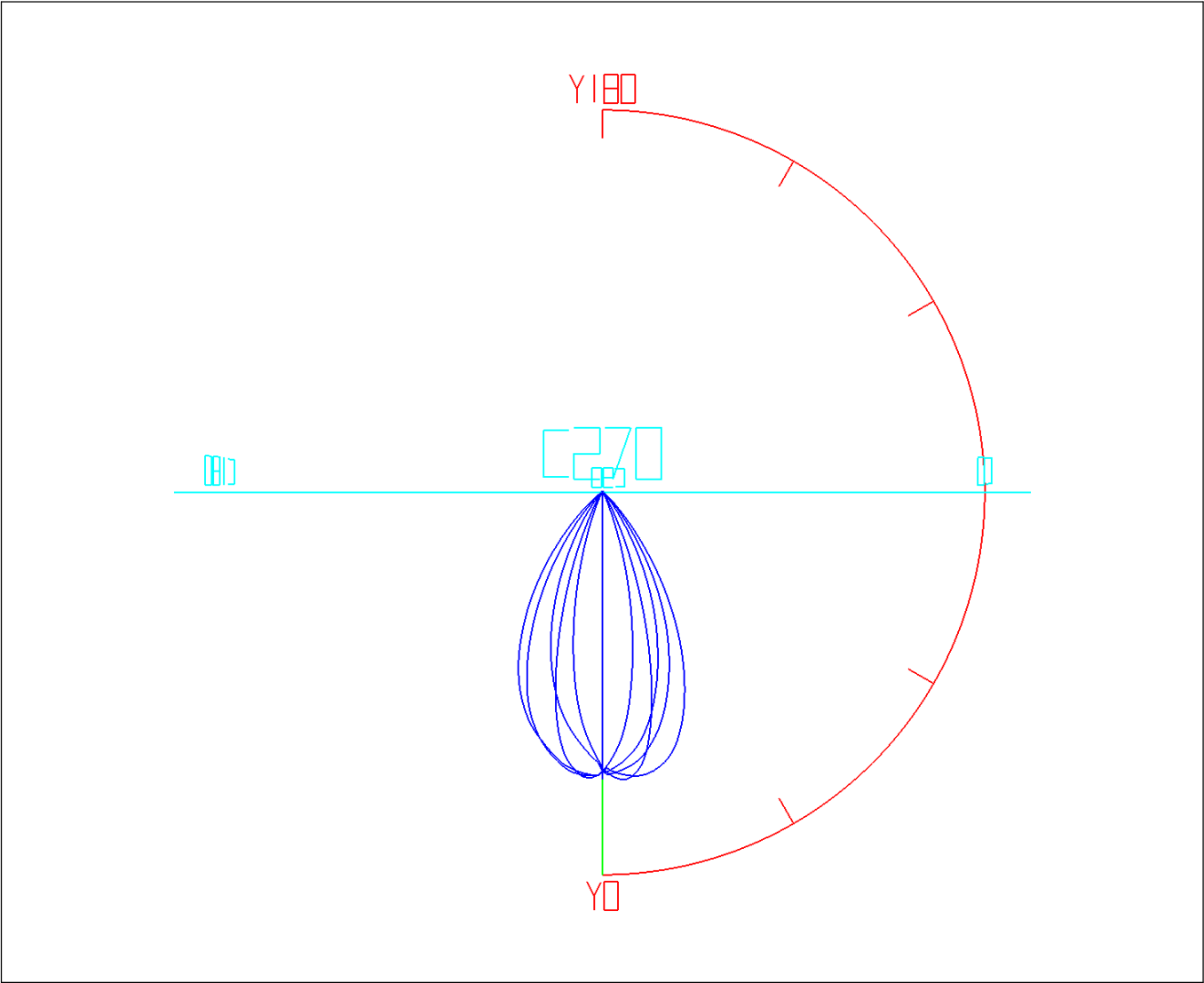
Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/03/27



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:2024/03/27

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-25W-COB-2500-BH-60D.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	2.57	2.57	0.10	0.10	47.0-48.0	14.87	2414.57	0.59	96.03
1.0-2.0	7.69	10.26	0.31	0.41	48.0-49.0	12.87	2427.44	0.51	96.54
2.0-3.0	12.78	23.04	0.51	0.92	49.0-50.0	11.12	2438.56	0.44	96.99
3.0-4.0	17.82	40.86	0.71	1.63	50.0-51.0	9.59	2448.15	0.38	97.37
4.0-5.0	22.79	63.65	0.91	2.53	51.0-52.0	8.30	2456.45	0.33	97.70
5.0-6.0	27.68	91.33	1.10	3.63	52.0-53.0	7.21	2463.66	0.29	97.98
6.0-7.0	32.48	123.81	1.29	4.92	53.0-54.0	6.21	2469.87	0.25	98.23
7.0-8.0	37.16	160.97	1.48	6.40	54.0-55.0	5.31	2475.19	0.21	98.44
8.0-9.0	41.70	202.67	1.66	8.06	55.0-56.0	4.55	2479.73	0.18	98.62
9.0-10.0	46.05	248.72	1.83	9.89	56.0-57.0	3.88	2483.61	0.15	98.78
10.0-11.0	50.20	298.92	2.00	11.89	57.0-58.0	3.25	2486.86	0.13	98.91
11.0-12.0	54.15	353.07	2.15	14.04	58.0-59.0	2.69	2489.55	0.11	99.01
12.0-13.0	57.88	410.95	2.30	16.34	59.0-60.0	2.26	2491.81	0.09	99.10
13.0-14.0	61.37	472.31	2.44	18.78	60.0-61.0	1.91	2493.72	0.08	99.18
14.0-15.0	64.59	536.91	2.57	21.35	61.0-62.0	1.59	2495.31	0.06	99.24
15.0-16.0	67.55	604.45	2.69	24.04	62.0-63.0	1.28	2496.59	0.05	99.29
16.0-17.0	70.19	674.64	2.79	26.83	63.0-64.0	0.98	2497.57	0.04	99.33
17.0-18.0	72.49	747.13	2.88	29.71	64.0-65.0	0.71	2498.28	0.03	99.36
18.0-19.0	74.47	821.60	2.96	32.68	65.0-66.0	0.48	2498.76	0.02	99.38
19.0-20.0	76.10	897.70	3.03	35.70	66.0-67.0	0.31	2499.07	0.01	99.39
20.0-21.0	77.37	975.07	3.08	38.78	67.0-68.0	0.21	2499.28	0.01	99.40
21.0-22.0	78.26	1053.33	3.11	41.89	68.0-69.0	0.14	2499.42	0.01	99.41
22.0-23.0	78.80	1132.13	3.13	45.03	69.0-70.0	0.08	2499.50	0.00	99.41
23.0-24.0	78.96	1211.09	3.14	48.17	70.0-71.0	0.03	2499.53	0.00	99.41
24.0-25.0	78.74	1289.83	3.13	51.30	71.0-72.0	0.00	2499.53	0.00	99.41
25.0-26.0	78.15	1367.98	3.11	54.41	72.0-73.0	0.00	2499.53	0.00	99.41
26.0-27.0	77.17	1445.15	3.07	57.48	73.0-74.0	0.00	2499.53	0.00	99.41
27.0-28.0	75.81	1520.96	3.02	60.49	74.0-75.0	0.00	2499.53	0.00	99.41
28.0-29.0	74.11	1595.07	2.95	63.44	75.0-76.0	0.00	2499.53	0.00	99.41
29.0-30.0	72.07	1667.14	2.87	66.30	76.0-77.0	0.00	2499.53	0.00	99.41
30.0-31.0	69.71	1736.85	2.77	69.08	77.0-78.0	0.00	2499.53	0.00	99.41
31.0-32.0	67.07	1803.93	2.67	71.75	78.0-79.0	0.00	2499.53	0.00	99.41
32.0-33.0	64.15	1868.07	2.55	74.30	79.0-80.0	0.00	2499.53	0.00	99.41
33.0-34.0	60.96	1929.03	2.42	76.72	80.0-81.0	0.00	2499.53	0.00	99.41
34.0-35.0	57.53	1986.56	2.29	79.01	81.0-82.0	0.00	2499.53	0.00	99.41
35.0-36.0	53.96	2040.52	2.15	81.16	82.0-83.0	0.00	2499.53	0.00	99.41
36.0-37.0	50.31	2090.83	2.00	83.16	83.0-84.0	0.00	2499.53	0.00	99.41
37.0-38.0	46.61	2137.45	1.85	85.01	84.0-85.0	0.00	2499.53	0.00	99.41
38.0-39.0	42.86	2180.31	1.70	86.71	85.0-86.0	0.00	2499.53	0.00	99.41
39.0-40.0	39.11	2219.41	1.56	88.27	86.0-87.0	0.00	2499.53	0.00	99.41
40.0-41.0	35.40	2254.82	1.41	89.68	87.0-88.0	0.00	2499.53	0.00	99.41
41.0-42.0	31.84	2286.65	1.27	90.94	88.0-89.0	0.00	2499.53	0.00	99.41
42.0-43.0	28.46	2315.11	1.13	92.08	89.0-90.0	0.00	2499.53	0.00	99.41
43.0-44.0	25.31	2340.43	1.01	93.08	90.0-91.0	0.00	2499.53	0.00	99.41
44.0-45.0	22.41	2362.84	0.89	93.97	91.0-92.0	0.00	2499.53	0.00	99.41
45.0-46.0	19.69	2382.53	0.78	94.76	92.0-93.0	0.00	2499.53	0.00	99.41
46.0-47.0	17.16	2399.69	0.68	95.44	93.0-94.0	0.00	2499.53	0.00	99.41

IES Indoor Report

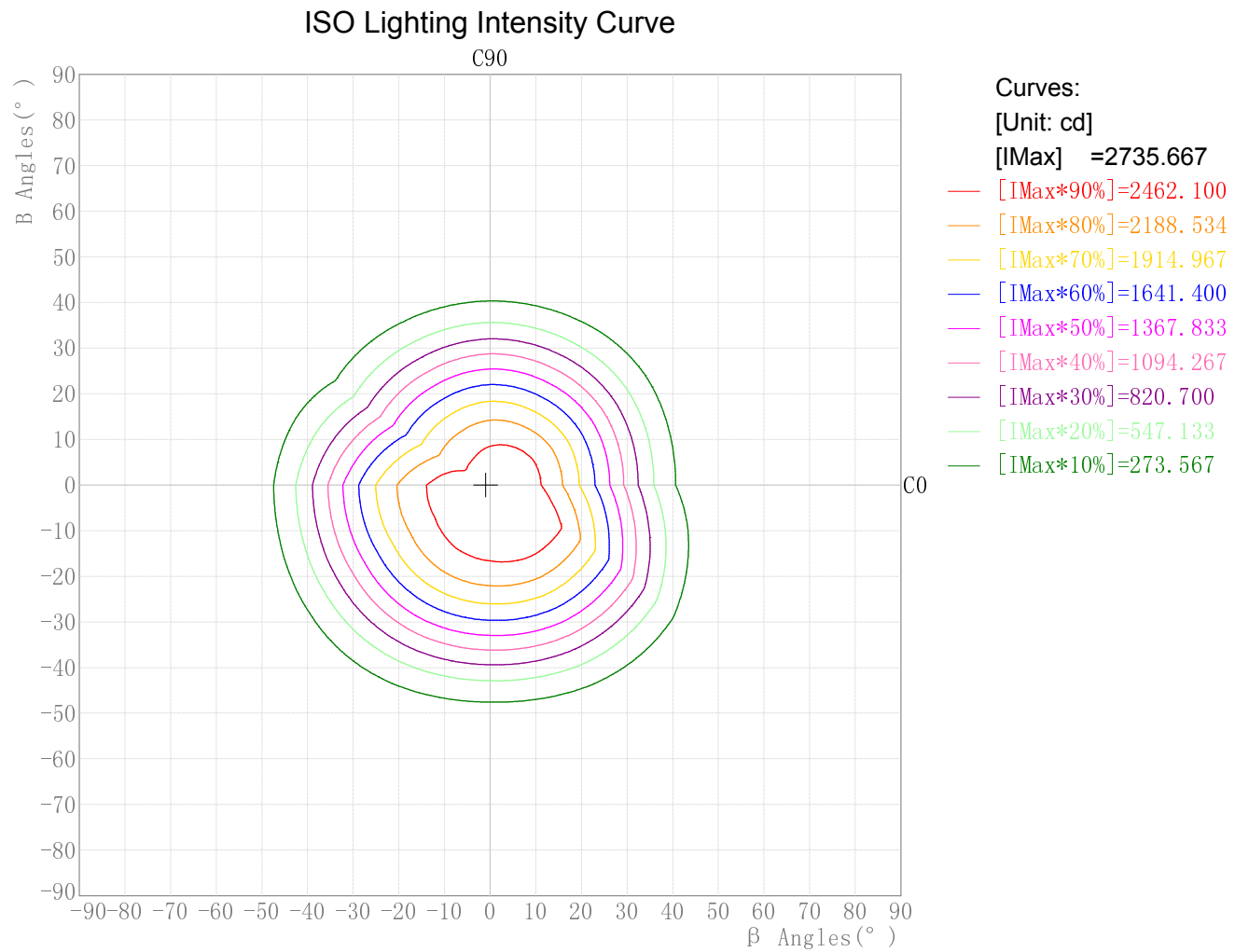
Photometric Filename:DL-25W-COB-2500-BH-60D.IES

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	2499.53	0.00	99.41	141.0-142.0	0.29	2501.84	0.01	99.50
95.0-96.0	0.00	2499.53	0.00	99.41	142.0-143.0	0.31	2502.15	0.01	99.51
96.0-97.0	0.00	2499.53	0.00	99.41	143.0-144.0	0.33	2502.48	0.01	99.53
97.0-98.0	0.00	2499.53	0.00	99.41	144.0-145.0	0.35	2502.83	0.01	99.54
98.0-99.0	0.00	2499.53	0.00	99.41	145.0-146.0	0.36	2503.19	0.01	99.56
99.0-100.0	0.00	2499.53	0.00	99.41	146.0-147.0	0.38	2503.57	0.02	99.57
100.0-101.0	0.00	2499.53	0.00	99.41	147.0-148.0	0.39	2503.96	0.02	99.59
101.0-102.0	0.00	2499.53	0.00	99.41	148.0-149.0	0.40	2504.36	0.02	99.60
102.0-103.0	0.00	2499.53	0.00	99.41	149.0-150.0	0.41	2504.78	0.02	99.62
103.0-104.0	0.00	2499.53	0.00	99.41	150.0-151.0	0.42	2505.20	0.02	99.64
104.0-105.0	0.00	2499.53	0.00	99.41	151.0-152.0	0.43	2505.63	0.02	99.65
105.0-106.0	0.00	2499.53	0.00	99.41	152.0-153.0	0.44	2506.07	0.02	99.67
106.0-107.0	0.00	2499.53	0.00	99.41	153.0-154.0	0.44	2506.51	0.02	99.69
107.0-108.0	0.00	2499.53	0.00	99.41	154.0-155.0	0.45	2506.96	0.02	99.71
108.0-109.0	0.00	2499.53	0.00	99.41	155.0-156.0	0.45	2507.40	0.02	99.72
109.0-110.0	0.00	2499.53	0.00	99.41	156.0-157.0	0.45	2507.85	0.02	99.74
110.0-111.0	0.00	2499.53	0.00	99.41	157.0-158.0	0.44	2508.29	0.02	99.76
111.0-112.0	0.00	2499.53	0.00	99.41	158.0-159.0	0.44	2508.73	0.02	99.78
112.0-113.0	0.00	2499.53	0.00	99.41	159.0-160.0	0.44	2509.17	0.02	99.79
113.0-114.0	0.00	2499.53	0.00	99.41	160.0-161.0	0.43	2509.60	0.02	99.81
114.0-115.0	0.00	2499.53	0.00	99.41	161.0-162.0	0.42	2510.02	0.02	99.83
115.0-116.0	0.00	2499.53	0.00	99.41	162.0-163.0	0.41	2510.43	0.02	99.84
116.0-117.0	0.00	2499.53	0.00	99.41	163.0-164.0	0.40	2510.83	0.02	99.86
117.0-118.0	0.00	2499.53	0.00	99.41	164.0-165.0	0.39	2511.22	0.02	99.88
118.0-119.0	0.00	2499.53	0.00	99.41	165.0-166.0	0.37	2511.59	0.01	99.89
119.0-120.0	0.00	2499.53	0.00	99.41	166.0-167.0	0.35	2511.94	0.01	99.90
120.0-121.0	0.00	2499.53	0.00	99.41	167.0-168.0	0.33	2512.27	0.01	99.92
121.0-122.0	0.00	2499.53	0.00	99.41	168.0-169.0	0.31	2512.59	0.01	99.93
122.0-123.0	0.00	2499.53	0.00	99.41	169.0-170.0	0.29	2512.88	0.01	99.94
123.0-124.0	0.00	2499.53	0.00	99.41	170.0-171.0	0.27	2513.15	0.01	99.95
124.0-125.0	0.00	2499.53	0.00	99.41	171.0-172.0	0.25	2513.39	0.01	99.96
125.0-126.0	0.01	2499.54	0.00	99.41	172.0-173.0	0.22	2513.61	0.01	99.97
126.0-127.0	0.02	2499.56	0.00	99.41	173.0-174.0	0.19	2513.81	0.01	99.98
127.0-128.0	0.03	2499.59	0.00	99.41	174.0-175.0	0.17	2513.97	0.01	99.98
128.0-129.0	0.05	2499.64	0.00	99.41	175.0-176.0	0.14	2514.11	0.01	99.99
129.0-130.0	0.06	2499.70	0.00	99.42	176.0-177.0	0.11	2514.22	0.00	99.99
130.0-131.0	0.07	2499.77	0.00	99.42	177.0-178.0	0.08	2514.29	0.00	100.00
131.0-132.0	0.09	2499.86	0.00	99.42	178.0-179.0	0.05	2514.34	0.00	100.00
132.0-133.0	0.10	2499.96	0.00	99.43	179.0-180.0	0.02	2514.35	0.00	100.00
133.0-134.0	0.12	2500.08	0.00	99.43					
134.0-135.0	0.14	2500.22	0.01	99.44					
135.0-136.0	0.17	2500.39	0.01	99.44					
136.0-137.0	0.19	2500.57	0.01	99.45					
137.0-138.0	0.21	2500.78	0.01	99.46					
138.0-139.0	0.23	2501.02	0.01	99.47					
139.0-140.0	0.25	2501.27	0.01	99.48					
140.0-141.0	0.27	2501.54	0.01	99.49					

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: 2024/03/27



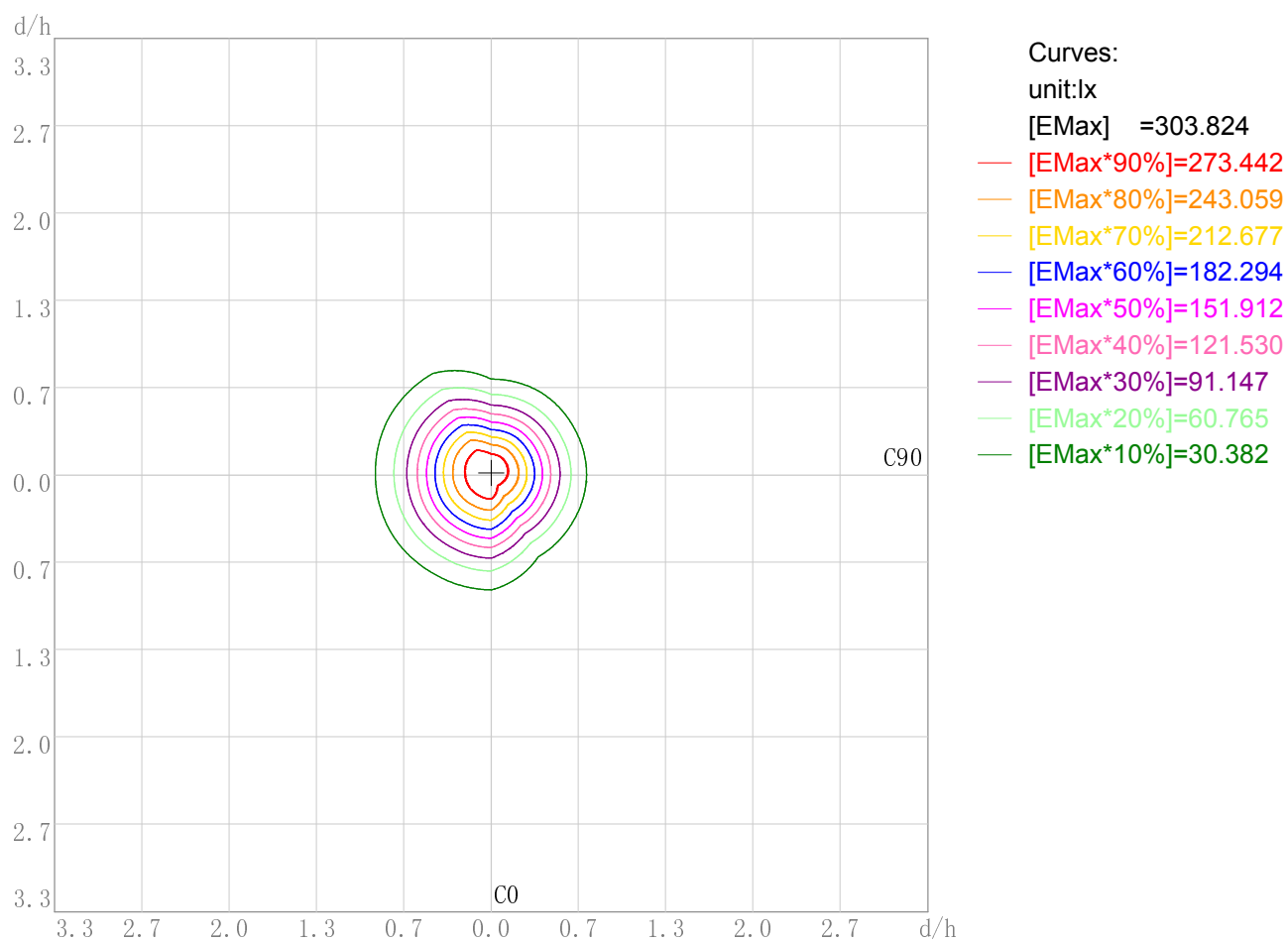
Maximum Light Intensity(cd): 2735.67
Maximum Cand.@Angle: H=-1.0°,V=0.0°

Photometric Filename:DL-25W-COB-2500-BH-60D.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: 2024/03/27

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

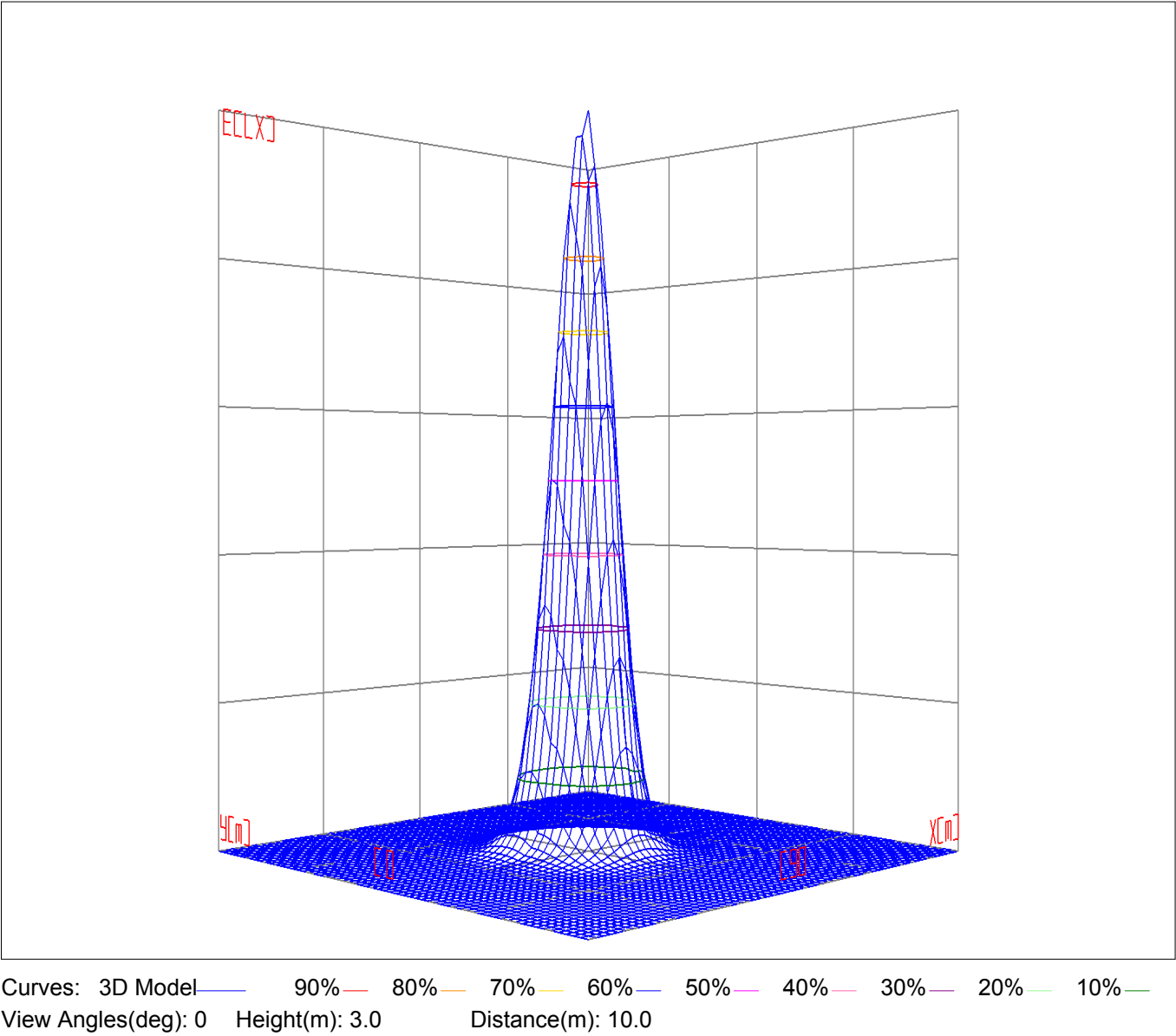
Working Plane Maximum Illuminance(lx): 303.82

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: 2024/03/27

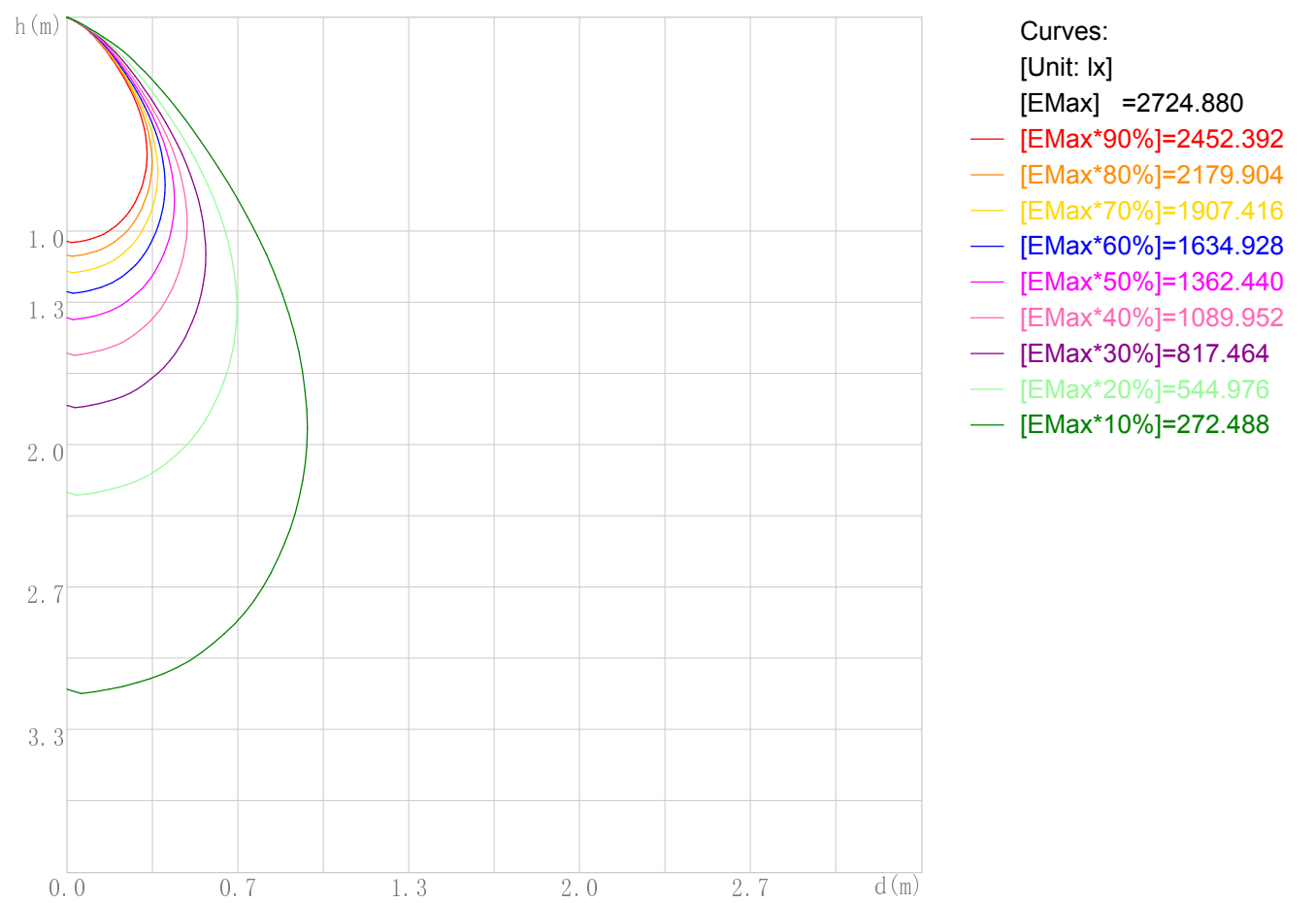
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/27

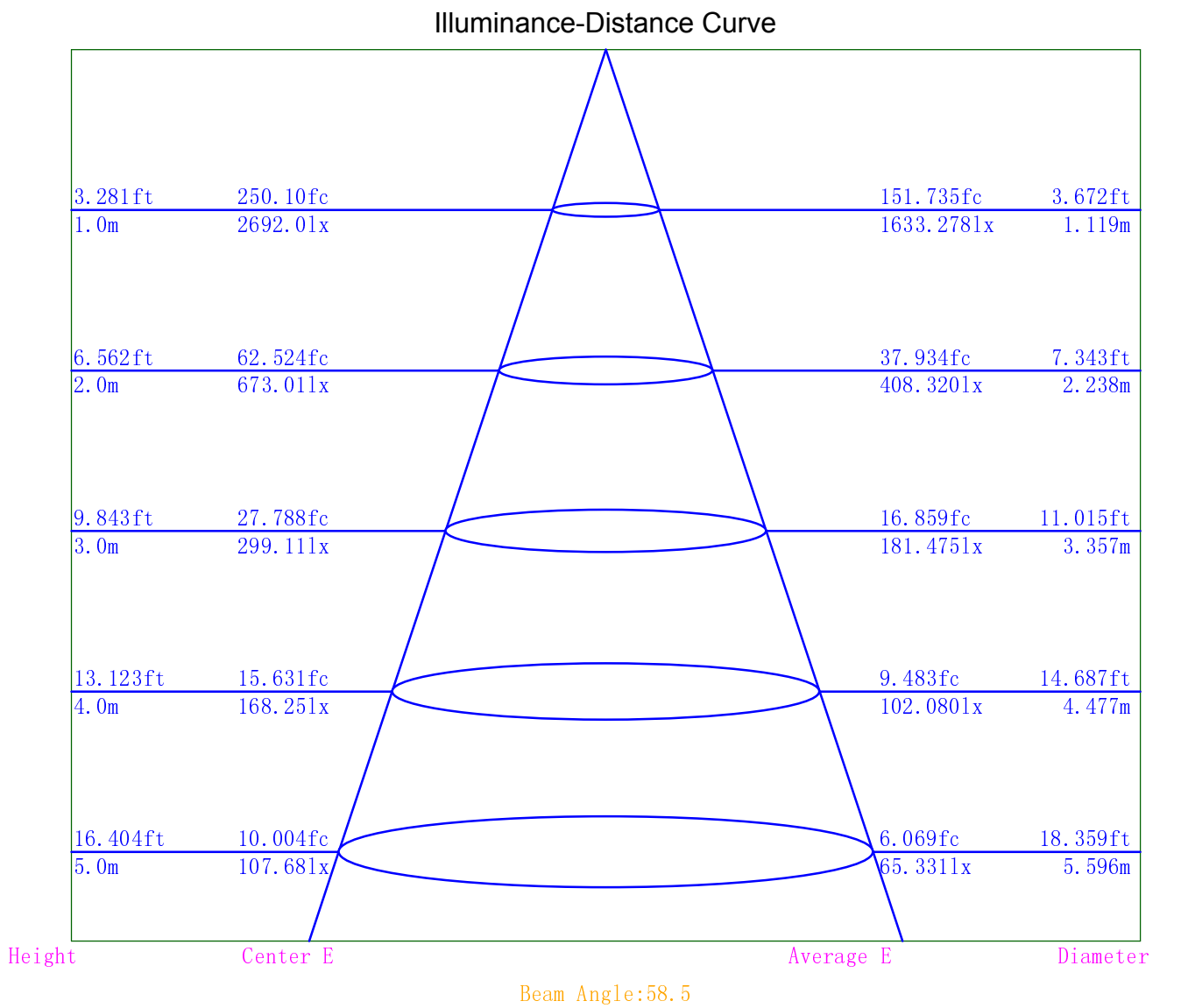
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:2724.88lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:2726.125cd,0eg

Illuminance-Distance Diagram

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2024/03/27



Indoor Luminance Limiting Curves

Lum. Name: 55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/27

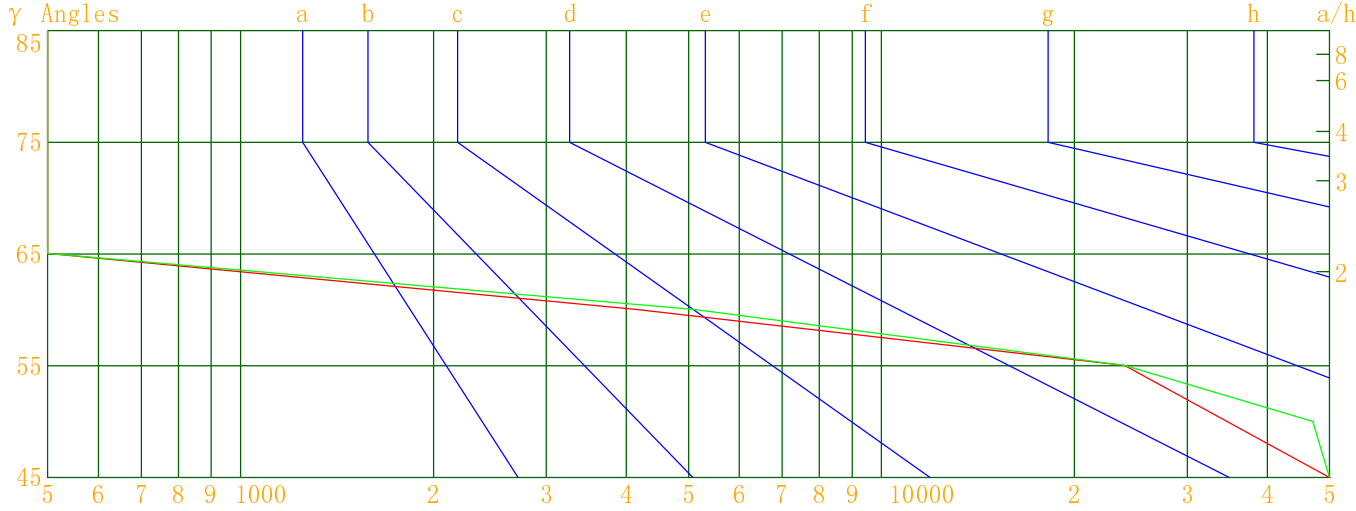
Glare Grade Table

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	103498	52566	23963	4143	0	0	0	0	0
C90	93271	47097	23961	5097	0	0	0	0	0

Luminance Limiting Curve



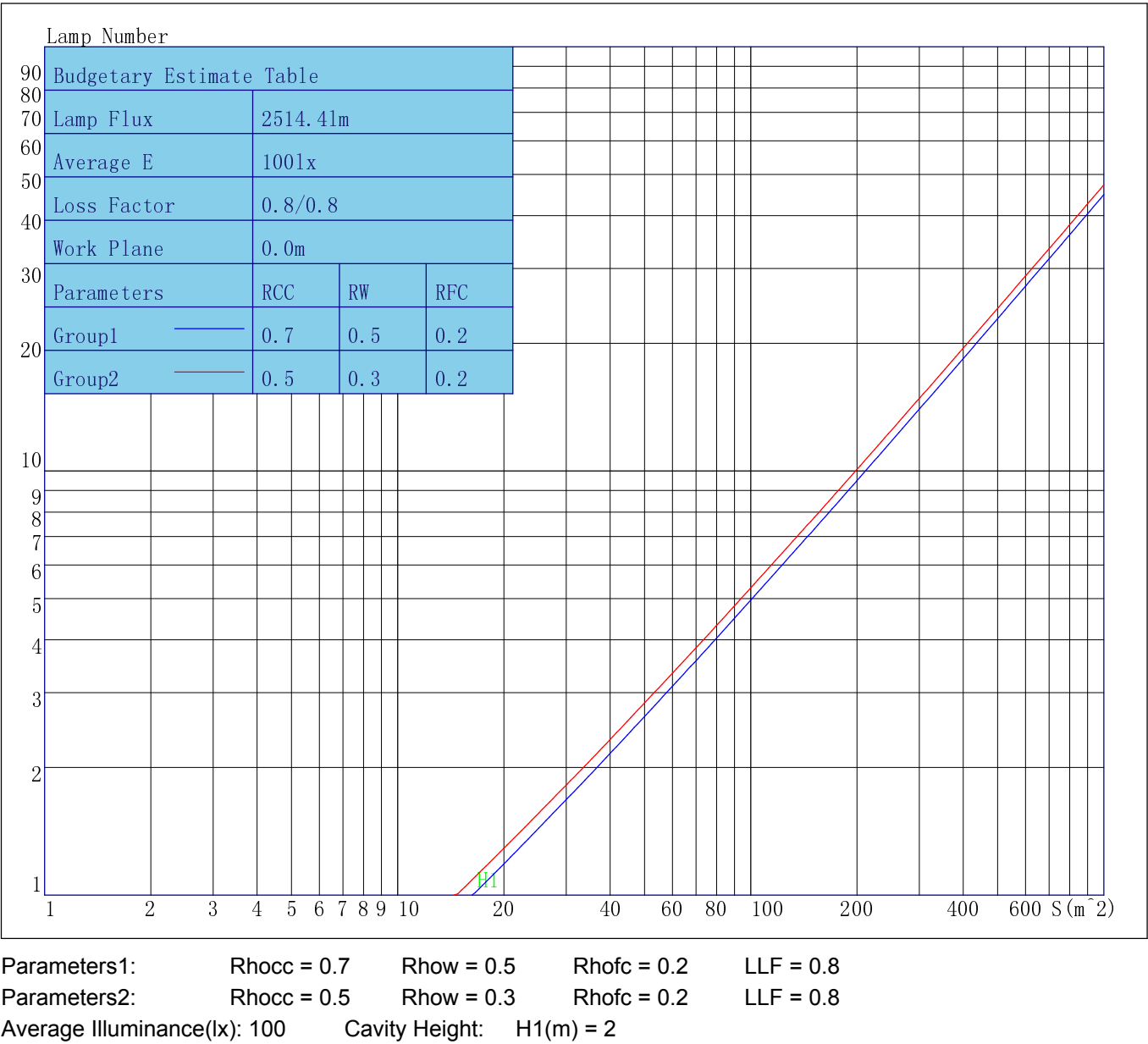
Luminous Size: Length(m)=-0.050 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963

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: 2024/03/27



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: 2024/03/27

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	101	101	101	99
1	113	110	108	106	111	108	106	104	104	102	101	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	89	91	89	87	86
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	81	77	83	79	76	81	78	75	73
5	91	83	77	72	89	82	76	72	80	75	71	78	74	70	76	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63
7	82	72	66	62	81	72	66	62	70	65	61	69	64	61	68	64	60	59
8	78	68	62	58	76	67	61	57	66	61	57	65	60	57	64	60	57	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	57	53	50	48

Unified Glare Rating Table

Lum. Name:55252	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/03/27

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	26.5	27.5	26.9	27.8	28.2	23.2	24.3	23.6	24.6	24.9
	Y=3H	26.3	27.2	26.7	27.5	27.9	23.1	23.9	23.5	24.3	24.7
	Y=4H	26.2	27.0	26.6	27.4	27.8	23.0	23.8	23.4	24.1	24.6
	Y=6H	26.1	26.9	26.5	27.2	27.7	22.9	23.6	23.3	24.0	24.4
	Y=8H	26.0	26.8	26.5	27.2	27.6	22.8	23.5	23.2	23.9	24.3
	Y=12H	26.0	26.7	26.4	27.1	27.5	22.7	23.4	23.2	23.8	24.3
X=4H	Y=2H	26.3	27.1	26.7	27.4	27.8	23.0	23.8	23.4	24.2	24.6
	Y=3H	26.1	26.7	26.5	27.1	27.6	22.8	23.4	23.2	23.9	24.3
	Y=4H	25.9	26.5	26.4	27.0	27.4	22.6	23.2	23.1	23.7	24.1
	Y=6H	25.8	26.3	26.3	26.8	27.3	22.5	23.0	23.0	23.5	24.0
	Y=8H	25.7	26.2	26.2	26.7	27.2	22.5	22.9	23.0	23.4	23.9
	Y=12H	25.7	26.1	26.2	26.6	27.1	22.4	22.8	22.9	23.3	23.8
X=8H	Y=4H	25.7	26.2	26.2	26.7	27.2	22.5	22.9	23.0	23.4	23.9
	Y=6H	25.6	26.0	26.1	26.5	27.1	22.3	22.7	22.9	23.2	23.8
	Y=8H	25.5	25.9	26.1	26.4	26.9	22.3	22.6	22.8	23.1	23.6
	Y=12H	25.5	25.8	26.0	26.3	26.9	22.2	22.5	22.7	23.0	23.6
X=12H	Y=4H	25.7	26.1	26.2	26.6	27.1	22.4	22.8	22.9	23.3	23.8
	Y=6H	25.6	25.9	26.1	26.4	26.9	22.3	22.6	22.8	23.1	23.7
	Y=8H	25.5	25.8	26.0	26.3	26.9	22.2	22.5	22.7	23.0	23.6
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		9.6/0.0					13.1/0.0				
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:DL-25W-COB-2500-BH-60D.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	2692.03	2692.03	2692.03	2692.03	2692.03	2692.03	2692.03	2692.03	2692.03	2692.03	2692.03	2692.03
γ 1.0	2726.13	2707.30	2681.73	2657.12	2627.14	2617.82	2735.67	2726.34	2709.45	2689.65	2665.52	2655.31
γ 2.0	2715.80	2695.60	2665.12	2636.05	2602.86	2593.91	2733.13	2722.57	2709.58	2694.11	2677.99	2671.20
γ 3.0	2702.95	2681.94	2647.53	2613.38	2577.37	2564.61	2724.61	2713.42	2704.49	2695.79	2687.36	2683.80
γ 4.0	2687.14	2665.83	2627.64	2592.24	2548.48	2532.95	2717.27	2707.71	2703.55	2698.86	2694.68	2692.95
γ 5.0	2669.66	2648.25	2605.32	2569.89	2519.53	2500.21	2706.12	2697.73	2698.63	2696.39	2696.99	2696.69
γ 6.0	2651.35	2625.63	2582.93	2543.88	2489.92	2467.61	2690.51	2682.80	2688.99	2686.21	2693.56	2701.70
γ 7.0	2627.25	2599.87	2556.76	2512.43	2459.65	2433.90	2672.99	2669.32	2675.10	2677.60	2693.86	2703.20
γ 8.0	2598.05	2572.85	2526.70	2480.11	2426.28	2398.57	2655.81	2649.36	2661.47	2669.27	2691.04	2701.53
γ 9.0	2562.32	2540.76	2491.15	2442.87	2389.63	2362.38	2627.75	2622.96	2640.44	2653.12	2683.03	2697.54
γ 10.0	2519.33	2501.46	2450.68	2404.85	2349.90	2322.74	2594.85	2594.24	2615.57	2636.37	2669.75	2687.22
γ 11.0	2470.66	2457.26	2403.99	2361.68	2304.56	2278.89	2562.13	2561.92	2593.32	2618.58	2655.24	2672.74
γ 12.0	2422.17	2409.46	2351.92	2310.81	2256.72	2232.18	2528.90	2529.93	2567.68	2597.62	2636.76	2655.75
γ 13.0	2369.40	2356.28	2297.90	2256.78	2205.28	2183.12	2493.27	2498.75	2540.71	2573.86	2616.25	2633.74
γ 14.0	2309.83	2295.96	2237.91	2199.90	2148.72	2127.80	2458.64	2463.52	2512.89	2546.77	2592.65	2610.89
γ 15.0	2246.85	2232.59	2172.42	2141.44	2089.23	2069.41	2425.75	2426.24	2482.61	2518.69	2565.25	2585.07
γ 16.0	2178.44	2166.23	2104.82	2078.45	2025.67	2008.39	2388.89	2389.24	2449.05	2485.75	2534.64	2553.30
γ 17.0	2105.80	2095.79	2035.23	2009.88	1959.72	1943.04	2350.90	2347.79	2408.13	2448.67	2500.64	2516.12
γ 18.0	2029.72	2024.71	1964.35	1939.03	1890.21	1877.10	2309.10	2301.34	2362.46	2407.24	2459.71	2473.70
γ 19.0	1954.35	1950.93	1893.07	1868.72	1819.43	1808.96	2260.41	2253.22	2315.55	2359.82	2412.64	2425.90
γ 20.0	1879.17	1872.29	1817.66	1795.49	1745.80	1738.93	2210.38	2204.94	2266.90	2307.44	2359.94	2372.27
γ 21.0	1800.93	1790.94	1739.68	1720.59	1670.51	1663.91	2157.94	2152.58	2212.77	2252.70	2302.41	2313.74
γ 22.0	1720.13	1710.52	1658.95	1643.04	1592.76	1588.45	2103.04	2094.04	2154.22	2192.91	2243.95	2254.69
γ 23.0	1637.85	1630.88	1578.06	1563.69	1513.29	1512.32	2046.36	2032.07	2092.23	2128.79	2181.84	2191.22
γ 24.0	1556.51	1549.12	1496.91	1484.18	1433.13	1431.57	1984.45	1965.97	2025.37	2061.97	2115.57	2124.22
γ 25.0	1473.37	1466.76	1415.91	1403.57	1352.58	1350.29	1919.47	1897.78	1956.52	1989.68	2047.67	2053.42
γ 26.0	1386.66	1383.76	1333.23	1322.06	1272.00	1268.60	1851.51	1827.21	1885.39	1915.41	1974.82	1981.12
γ 27.0	1296.79	1298.39	1250.70	1239.73	1187.85	1186.10	1779.08	1754.19	1810.61	1841.38	1898.02	1905.71
γ 28.0	1206.26	1212.04	1166.17	1157.54	1102.93	1103.79	1703.20	1679.58	1735.27	1765.40	1821.95	1830.04
γ 29.0	1117.17	1123.63	1079.92	1075.22	1019.00	1021.16	1623.77	1602.94	1657.26	1690.23	1744.13	1752.82
γ 30.0	1029.18	1034.36	994.73	991.61	936.63	938.22	1546.30	1522.58	1579.24	1612.49	1664.23	1673.46
γ 31.0	942.10	948.55	909.15	908.10	856.63	857.00	1467.06	1442.74	1501.04	1531.16	1584.43	1590.81
γ 32.0	856.79	862.84	829.13	824.48	778.04	777.56	1387.59	1364.41	1420.20	1446.49	1502.12	1506.04
γ 33.0	772.15	779.90	747.72	743.05	701.22	700.34	1308.72	1282.71	1335.13	1363.08	1418.05	1421.70
γ 34.0	691.01	699.66	667.32	665.66	626.15	627.13	1225.87	1198.46	1248.57	1278.96	1331.80	1336.03
γ 35.0	612.38	623.12	591.00	591.49	553.98	557.54	1139.13	1114.35	1164.27	1193.87	1243.79	1248.96
γ 36.0	537.27	549.64	519.56	521.16	486.37	491.92	1055.56	1032.49	1082.17	1107.18	1156.47	1162.33
γ 37.0	468.32	481.82	454.40	455.19	424.91	431.07	973.43	953.35	998.32	1022.70	1070.82	1075.45
γ 38.0	406.17	418.52	393.91	394.39	369.06	375.66	893.26	873.67	915.41	937.80	982.78	987.33
γ 39.0	350.95	361.01	337.76	338.88	317.59	325.27	813.89	793.66	835.30	851.98	896.08	898.70
γ 40.0	301.25	309.34	288.07	289.39	269.57	279.04	734.42	716.01	755.23	768.25	811.78	811.78
γ 41.0	258.52	263.92	244.51	244.83	227.56	236.78	657.36	640.61	676.78	688.00	730.27	727.75
γ 42.0	221.91	225.83	208.56	207.19	192.21	199.40	585.49	567.49	600.83	610.84	650.62	647.56
γ 43.0	191.35	193.88	178.79	176.04	162.66	167.77	518.29	499.13	529.25	537.56	575.06	571.91
γ 44.0	166.10	167.32	154.31	150.41	138.23	142.48	454.31	436.04	463.14	468.76	504.05	501.80
γ 45.0	143.70	145.24	133.72	129.50	118.74	122.66	394.92	379.10	402.13	406.19	437.73	435.78
γ 46.0	122.57	124.90	114.21	110.73	100.10	103.70	341.40	326.47	346.82	349.08	378.15	375.40

IES Indoor Report

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	104.99	107.00	97.36	93.30	84.08	86.52	292.92	278.37	296.92	298.78	323.83	320.95
γ 48.0	90.03	91.87	83.53	79.59	71.80	73.71	248.11	235.30	252.16	253.92	275.77	274.66
γ 49.0	78.02	79.51	72.24	68.53	62.29	63.62	208.21	198.87	213.14	215.50	234.19	235.60
γ 50.0	66.34	68.71	62.04	59.44	54.37	55.35	174.14	167.77	179.02	182.51	199.20	202.68
γ 51.0	53.53	57.70	52.17	50.13	46.36	47.44	146.58	142.16	151.44	155.22	170.72	175.18
γ 52.0	47.78	48.78	44.49	42.94	39.80	40.59	124.97	122.32	129.60	132.83	147.27	151.23
γ 53.0	40.91	41.55	38.22	37.14	34.21	34.77	107.14	103.97	110.14	112.72	126.35	129.75
γ 54.0	33.96	34.96	32.39	32.10	29.25	29.67	88.53	86.64	92.58	95.32	107.94	110.84
γ 55.0	26.99	28.42	26.58	26.99	24.51	24.93	74.53	73.61	79.02	81.30	92.43	94.99
γ 56.0	20.36	21.94	20.88	21.80	19.98	20.43	64.00	63.46	67.92	70.08	79.72	82.14
γ 57.0	14.16	15.81	15.06	16.40	15.23	15.86	55.89	55.54	59.24	60.65	69.66	71.04
γ 58.0	9.03	10.41	9.94	11.38	10.44	11.28	48.52	47.59	50.70	51.49	59.15	59.84
γ 59.0	6.01	6.58	6.39	7.15	6.43	7.02	41.92	40.81	43.55	44.26	50.45	50.77
γ 60.0	4.07	4.68	4.50	5.00	4.53	4.87	36.37	35.07	37.49	38.37	43.23	43.41
γ 61.0	2.72	3.22	3.16	3.36	2.89	3.31	31.40	29.95	32.16	32.92	36.92	36.56
γ 62.0	1.47	2.05	1.84	1.97	1.63	1.92	26.57	25.17	27.12	27.50	30.44	29.67
γ 63.0	0.65	1.02	1.03	0.87	0.64	0.83	22.32	20.73	22.08	21.98	23.91	22.67
γ 64.0	0.00	0.14	0.12	0.04	0.00	0.02	18.03	16.11	16.96	16.34	17.64	16.23
γ 65.0	0.00	0.00	0.00	0.00	0.00	0.00	13.52	11.48	11.76	11.07	11.94	10.57
γ 66.0	0.00	0.00	0.00	0.00	0.00	0.00	9.04	7.08	7.28	6.84	7.27	6.56
γ 67.0	0.00	0.00	0.00	0.00	0.00	0.00	5.86	4.82	4.97	4.81	4.99	4.58
γ 68.0	0.00	0.00	0.00	0.00	0.00	0.00	4.12	3.32	3.34	3.15	3.37	3.04
γ 69.0	0.00	0.00	0.00	0.00	0.00	0.00	2.65	1.99	2.05	1.81	2.12	1.79
γ 70.0	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.95	0.92	0.73	1.03	0.83
γ 71.0	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.15	0.04	0.00	0.25	0.08
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:DL-25W-COB-2500-BH-60D.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. 16	0. 09	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 126. 0	0. 26	0. 12	0. 26	0. 30	0. 45	0. 35	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 127. 0	0. 55	0. 54	0. 61	0. 60	0. 73	0. 73	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 128. 0	0. 87	0. 86	0. 91	0. 90	1. 07	1. 08	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 129. 0	1. 24	1. 09	1. 15	1. 16	1. 38	1. 39	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 130. 0	1. 54	1. 41	1. 53	1. 55	1. 73	1. 78	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 131. 0	1. 88	1. 75	1. 85	1. 88	2. 09	2. 03	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 132. 0	2. 26	2. 14	2. 20	2. 21	2. 43	2. 48	0. 00	0. 00	0. 00	0. 00	0. 00	0. 00
γ 133. 0	2. 57	2. 50	2. 51	2. 63	2. 84	2. 86	0. 18	0. 16	0. 00	0. 00	0. 00	0. 00
γ 134. 0	2. 97	2. 83	2. 93	2. 95	3. 17	3. 16	0. 44	0. 47	0. 26	0. 25	0. 16	0. 06
γ 135. 0	3. 36	3. 19	3. 32	3. 32	3. 52	3. 58	0. 76	0. 83	0. 59	0. 55	0. 35	0. 29
γ 136. 0	3. 77	3. 62	3. 69	3. 69	3. 91	4. 03	1. 10	1. 04	0. 88	0. 85	0. 66	0. 62
γ 137. 0	4. 15	3. 97	4. 04	4. 10	4. 39	4. 41	1. 43	1. 43	1. 09	1. 07	0. 99	0. 87
γ 138. 0	4. 61	4. 35	4. 45	4. 40	4. 71	4. 82	1. 77	1. 72	1. 41	1. 40	1. 22	1. 15
γ 139. 0	5. 02	4. 79	4. 83	4. 89	5. 10	5. 18	2. 07	2. 07	1. 77	1. 75	1. 59	1. 54
γ 140. 0	5. 35	5. 19	5. 15	5. 22	5. 53	5. 58	2. 41	2. 39	2. 12	2. 03	1. 91	1. 88

Photometric Filename:DL-25W-COB-2500-BH-60D.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	5.75	5.60	5.55	5.70	5.83	5.93	2.78	2.81	2.42	2.36	2.31	2.19
γ 142.0	6.16	5.99	5.99	6.10	6.31	6.46	3.18	3.08	2.81	2.77	2.62	2.54
γ 143.0	6.52	6.43	6.42	6.47	6.74	6.84	3.56	3.53	3.18	3.09	2.93	2.86
γ 144.0	7.08	6.84	6.76	6.88	7.22	7.20	3.91	3.83	3.56	3.41	3.31	3.22
γ 145.0	7.37	7.24	7.21	7.23	7.50	7.65	4.26	4.23	3.94	3.78	3.63	3.52
γ 146.0	7.89	7.70	7.69	7.66	7.93	8.01	4.68	4.57	4.26	4.10	3.99	3.96
γ 147.0	8.26	8.14	8.11	8.06	8.33	8.44	5.04	4.97	4.67	4.51	4.29	4.31
γ 148.0	8.69	8.49	8.51	8.51	8.79	8.80	5.45	5.40	5.07	4.88	4.72	4.71
γ 149.0	9.09	8.99	8.91	8.97	9.15	9.30	5.85	5.79	5.37	5.37	5.12	5.05
γ 150.0	9.60	9.32	9.31	9.34	9.52	9.62	6.28	6.26	5.82	5.73	5.55	5.44
γ 151.0	9.98	9.82	9.78	9.69	9.95	9.99	6.67	6.65	6.22	6.08	5.98	5.92
γ 152.0	10.35	10.23	10.10	10.13	10.32	10.48	7.07	7.00	6.64	6.56	6.23	6.21
γ 153.0	10.83	10.56	10.52	10.50	10.66	10.87	7.48	7.32	7.03	6.91	6.67	6.61
γ 154.0	11.19	10.94	10.94	10.93	11.08	11.18	7.88	7.83	7.50	7.34	7.06	7.05
γ 155.0	11.58	11.42	11.30	11.32	11.40	11.55	8.28	8.18	7.83	7.72	7.43	7.40
γ 156.0	12.04	11.78	11.66	11.58	11.82	11.97	8.70	8.65	8.29	8.04	7.90	7.83
γ 157.0	12.43	12.19	11.95	11.90	12.19	12.32	9.12	9.01	8.66	8.51	8.27	8.20
γ 158.0	12.83	12.53	12.39	12.35	12.43	12.68	9.50	9.41	9.07	8.92	8.67	8.58
γ 159.0	13.18	12.86	12.71	12.61	12.79	13.01	10.08	9.80	9.47	9.30	9.09	8.98
γ 160.0	13.51	13.27	13.09	13.01	13.14	13.29	10.36	10.20	9.90	9.70	9.48	9.41
γ 161.0	13.90	13.60	13.47	13.28	13.41	13.62	10.84	10.61	10.25	10.13	9.90	9.78
γ 162.0	14.25	13.96	13.83	13.61	13.72	13.97	11.19	11.05	10.69	10.55	10.31	10.23
γ 163.0	14.61	14.28	14.07	13.97	14.06	14.32	11.64	11.45	11.11	10.92	10.65	10.65
γ 164.0	14.94	14.59	14.48	14.33	14.37	14.60	12.02	11.78	11.42	11.32	11.10	11.01
γ 165.0	15.26	14.96	14.68	14.61	14.70	14.89	12.33	12.17	11.84	11.61	11.43	11.36
γ 166.0	15.57	15.15	14.98	14.87	14.94	15.22	12.71	12.45	12.15	11.98	11.80	11.83
γ 167.0	15.80	15.46	15.21	15.09	15.12	15.40	13.03	12.88	12.46	12.36	12.12	12.16
γ 168.0	15.95	15.68	15.42	15.29	15.36	15.57	13.35	13.30	12.87	12.73	12.53	12.56
γ 169.0	16.16	15.84	15.54	15.47	15.48	15.78	13.80	13.54	13.21	13.08	12.91	12.92
γ 170.0	16.34	16.02	15.74	15.64	15.66	15.97	14.15	13.90	13.58	13.41	13.22	13.29
γ 171.0	16.49	16.25	15.94	15.84	15.93	16.15	14.48	14.28	13.89	13.78	13.61	13.61
γ 172.0	16.73	16.37	16.04	15.99	15.96	16.33	14.83	14.58	14.26	14.10	13.97	13.98
γ 173.0	16.82	16.46	16.10	16.11	16.15	16.44	15.12	14.89	14.59	14.39	14.30	14.34
γ 174.0	16.91	16.55	16.31	16.14	16.17	16.50	15.49	15.15	14.91	14.72	14.62	14.63
γ 175.0	17.01	16.67	16.34	16.30	16.24	16.50	15.70	15.43	15.20	14.95	14.91	14.83
γ 176.0	17.00	16.77	16.39	16.33	16.26	16.59	15.95	15.62	15.29	15.11	15.10	15.11
γ 177.0	17.04	16.70	16.37	16.33	16.16	16.51	16.18	15.81	15.64	15.39	15.33	15.48
γ 178.0	17.02	16.65	16.28	16.22	16.08	16.36	16.34	16.06	15.80	15.60	15.59	15.73
γ 179.0	16.85	16.56	16.16	16.12	15.98	16.19	16.63	16.20	15.93	15.77	15.75	15.90
γ 180.0	16.23	16.23	16.23	16.23	16.23	16.23	16.23	16.23	16.23	16.23	16.23	16.23