IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

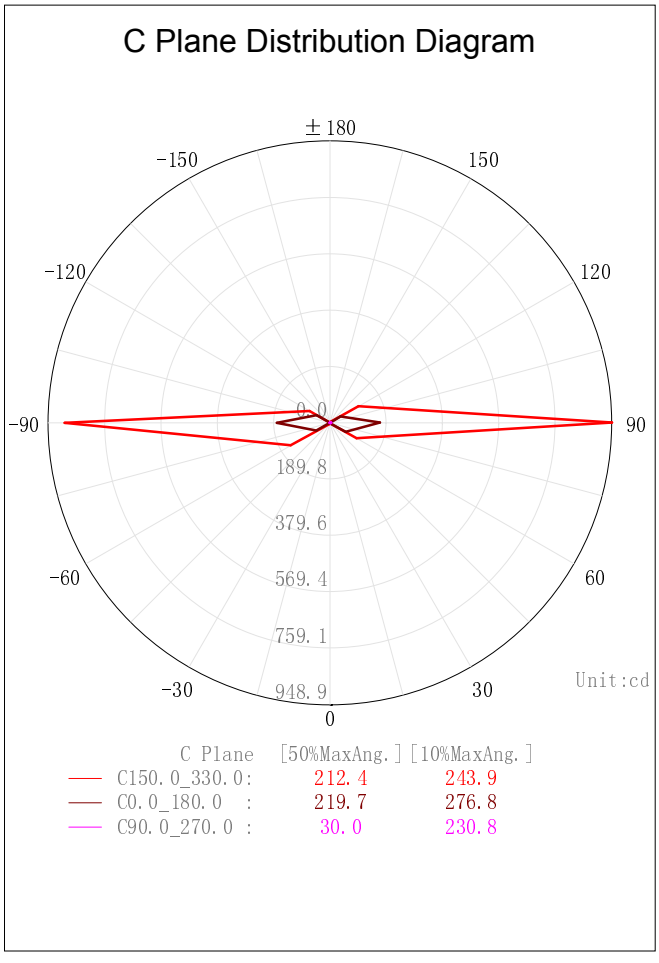
Indoor Luminaire Photometric Data

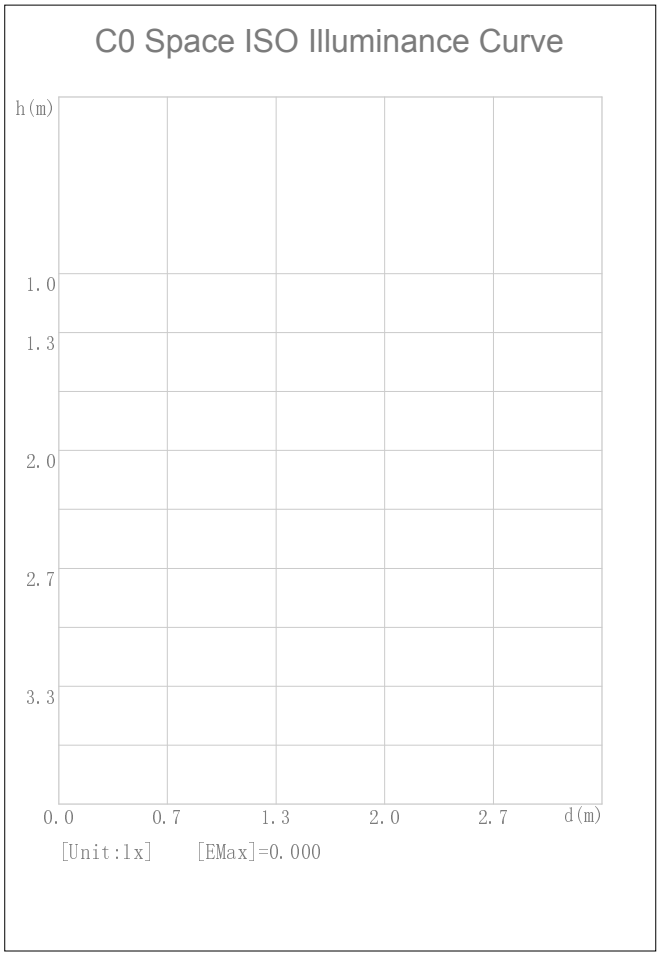
Description Information

Luminary Name:		Lum. Catelog:	Test ID:
Lamp Name:		Lamp Catelog:	Test Date: 2024/11/23
Manufacture:		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): 3000 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=1.0 γ=30.0	Temp.(℃): 25	Humidity(%): 50.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter			
Rated Flux(lm):	802.730	Luminary Flux(lm):	802.727	Field Angle(10%Imax):	243.9(°)
Rated Power(W):	10	Luminary Efficiency:	100.00%	Down Lumens&Percent:	413.201lm 51.47%
Rated Voltage(V):	220	Luminary EER(lm/W):	83.461	Up Lumens&Percent:	389.526lm 48.53%
Tested Power(W):	9.618	Max.Candela(cd):	948.933	S/MH:	C0_a180=-1.#IO C90_270=1.155
Lamps' Inside:	1	Max Cand@Ang.(°):	C=150.0 γ=90.0	CIE Type:	Semi-Indirect
Tested Electrics(V,A,pf):229.9,0.046,0.904		Beam Angle(50%Imax):	212.4(°)	ErP Φuse(120°):	44.519lm
Lamp Size(W*L*H):0.050m*-0.050m*0.000m		Left=-105.4°,Right=107.0°		IRF(%):	279.738



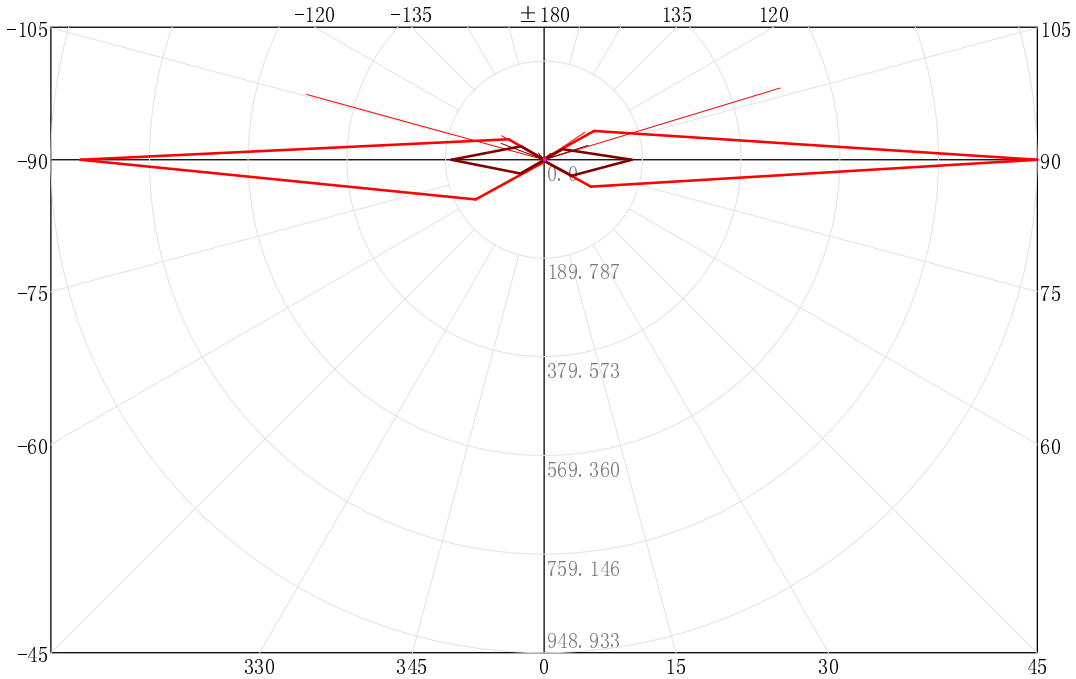


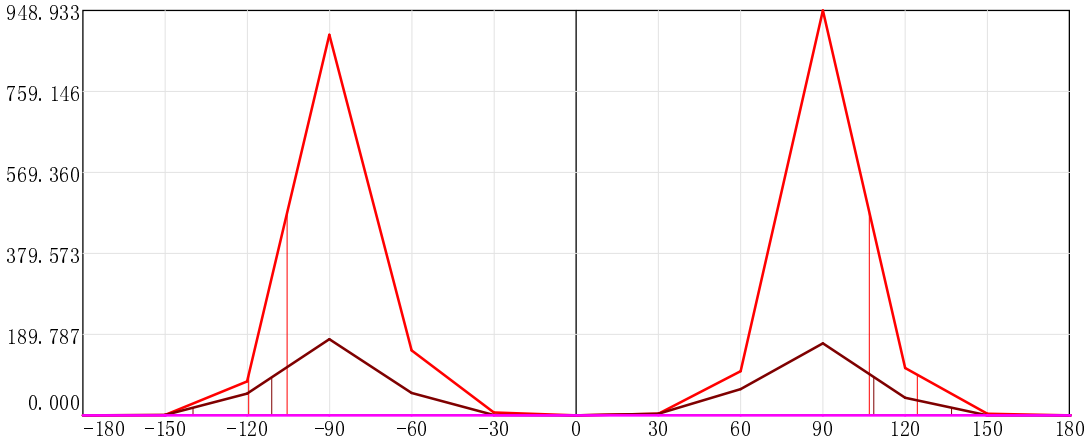
IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

2D Plane Light Intensity Distribution Curve

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23

C Plane Distribution Diagram





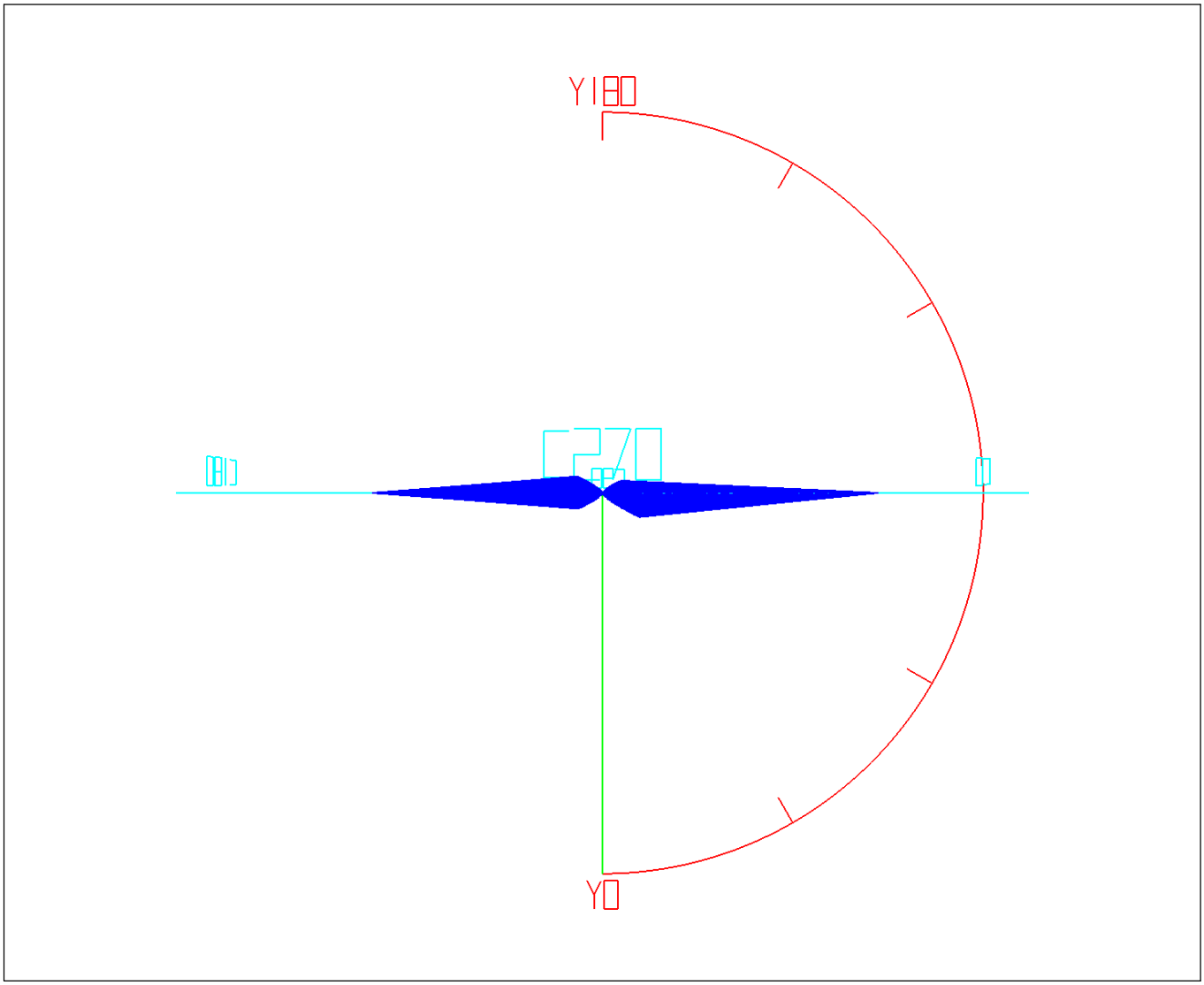
C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
C150.0_330.0:	212.4	243.9	
C0.0_180.0 :	219.7	276.8	
C90.0_270.0 :	30.0	230.8	

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

3D Light Intensity Distribution Modal

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23

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:WL-10W-COB-1000-MH-36D-3000K.IES

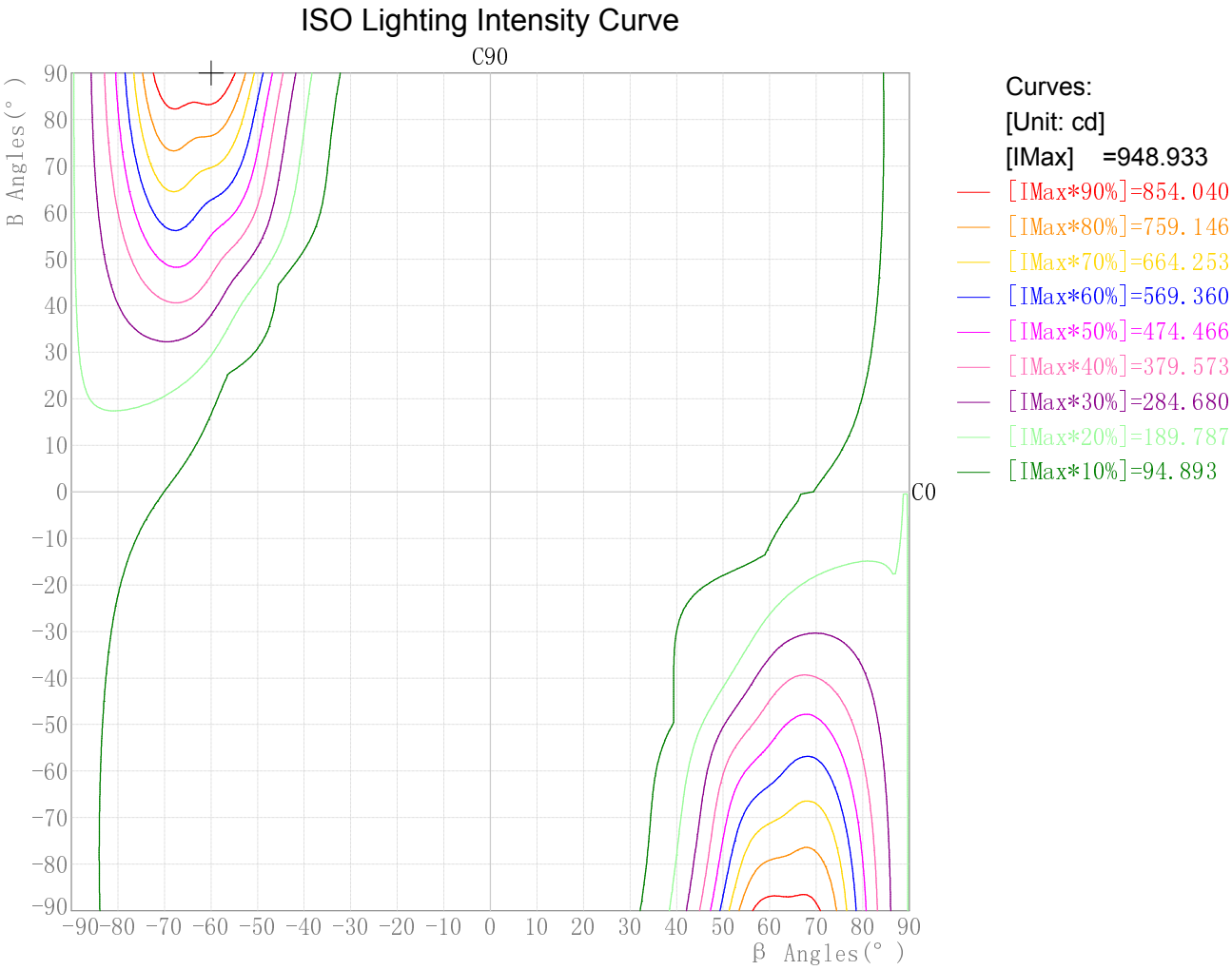
Zonal Flux Tabulation

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-30.0	0.57	0.57	0.07	0.07
30.0-60.0	44.05	44.62	5.49	5.56
60.0-90.0	368.58	413.20	45.92	51.47
90.0-120.0	355.75	768.95	44.32	95.79
120.0-150.0	33.59	802.54	4.18	99.98
150.0-180.0	0.19	802.73	0.02	100.00

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23

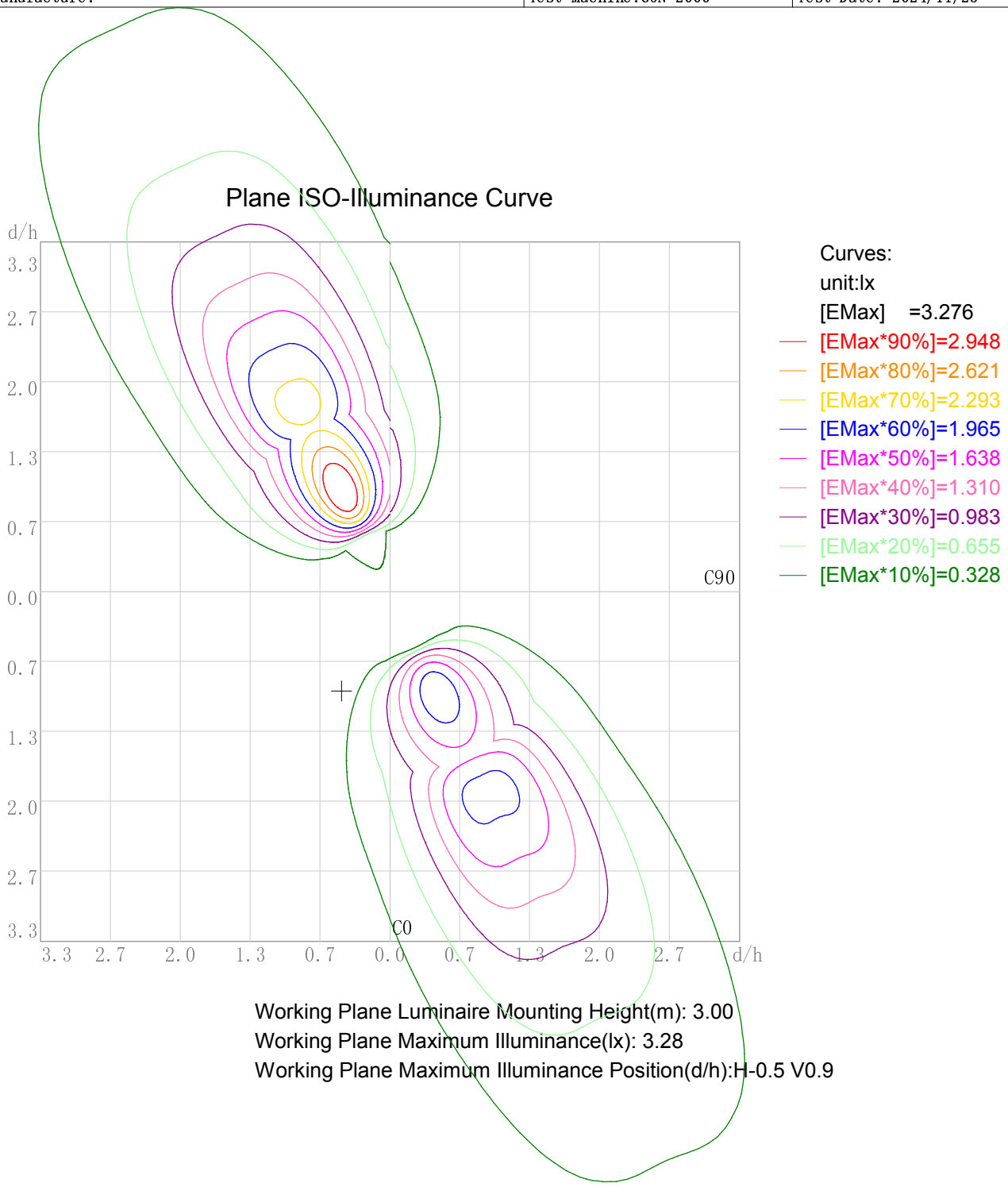


Maximum Light Intensity(cd): 948.93
Maximum Cand.@Angle: H=-60.0°,V=90.0°

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Plane ISO-Illuminance Diagram

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23



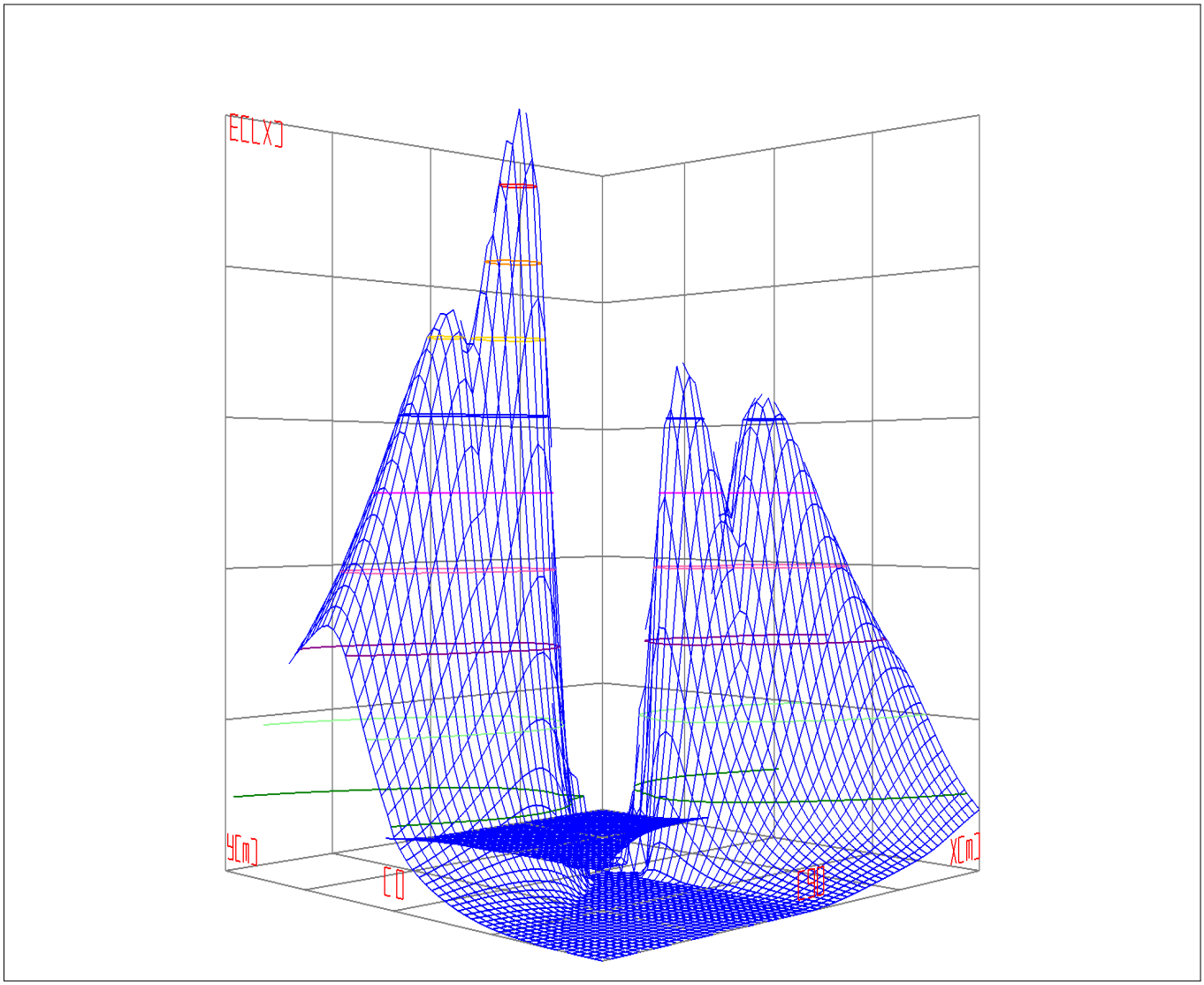
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 3.28
Working Plane Maximum Illuminance Position(d/h):H-0.5 V0.9

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

3D Plane ISO Illuminance Diagram

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23

3D Plane Illuminance Modal



Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%

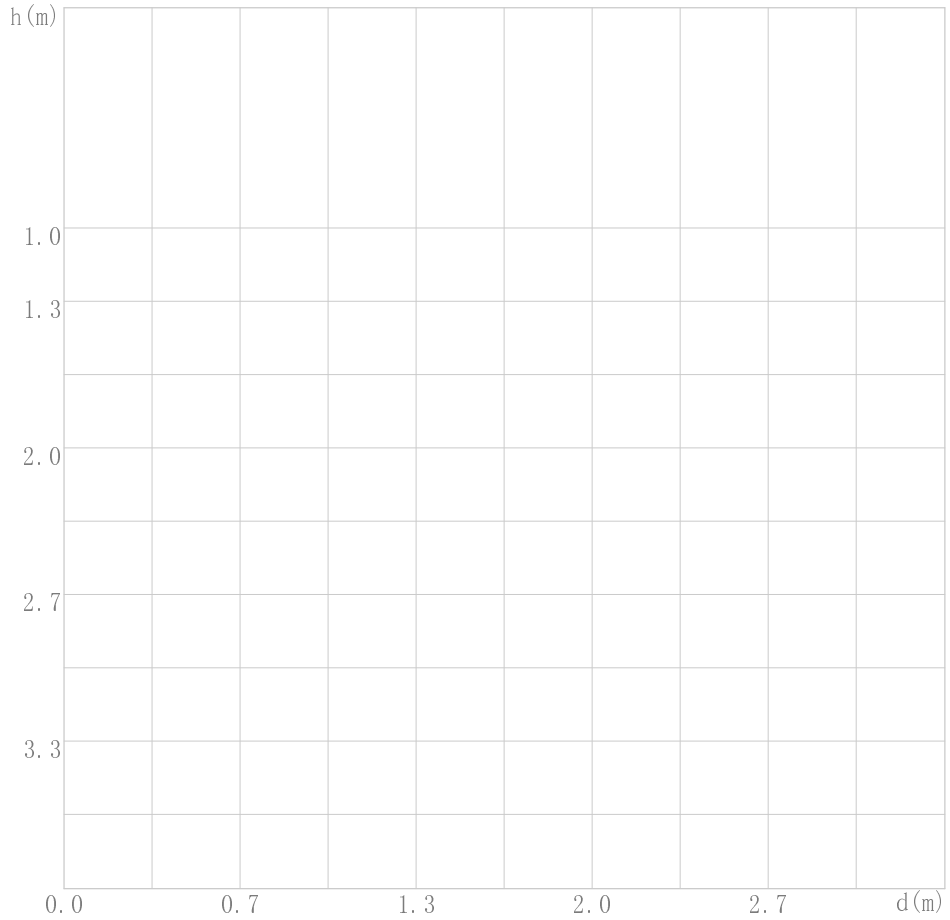
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Space ISO Illuminance Diagram

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23

Space ISO Illuminance Curve



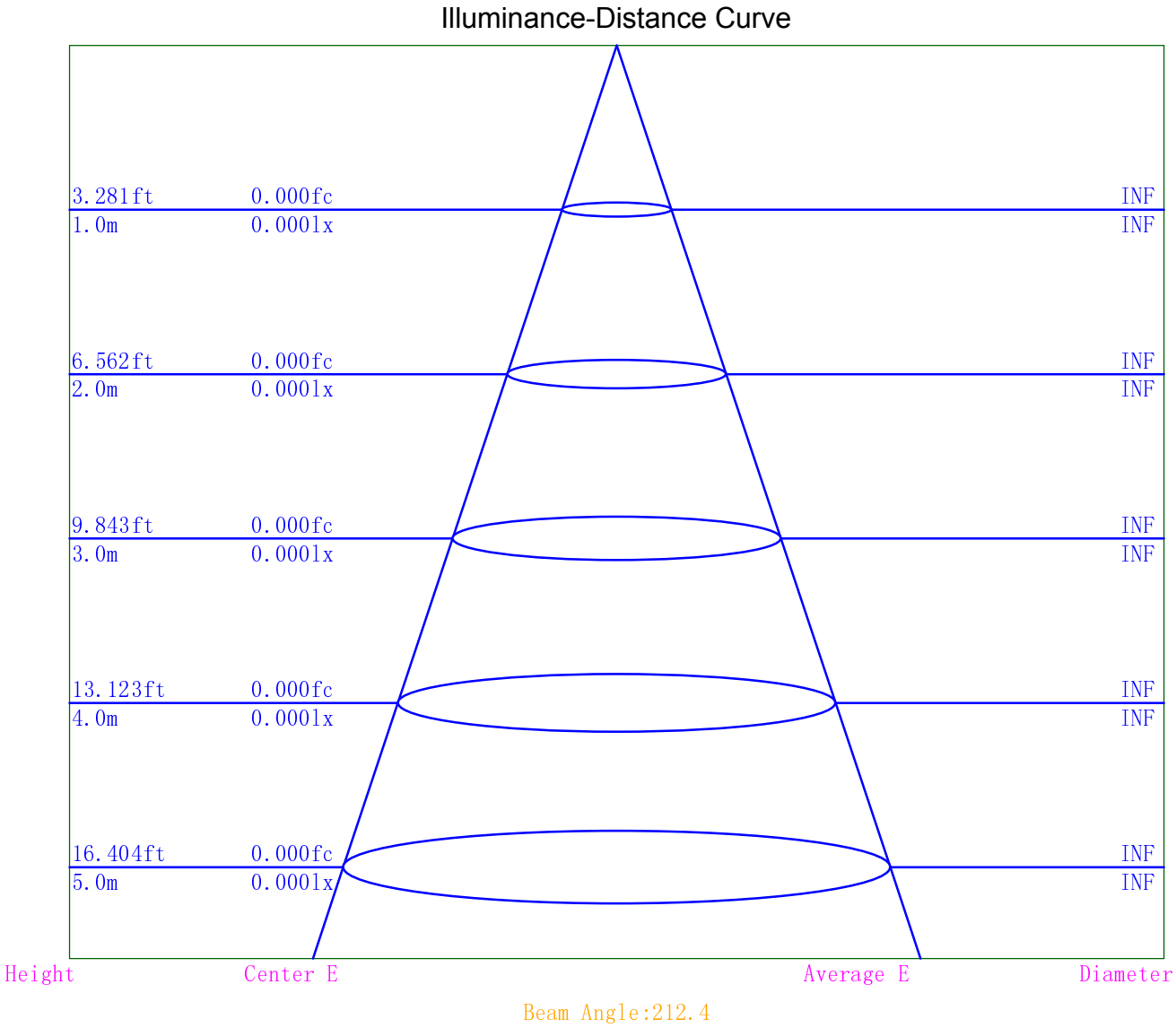
Curves:
[Unit: lx]
[EMax] =0.000

Space Plane Maximum Illuminance and @Angle:0.00lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:0.000cd,0eg

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Illuminance-Distance Diagram

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23



IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Indoor Luminance Limiting Curves

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23

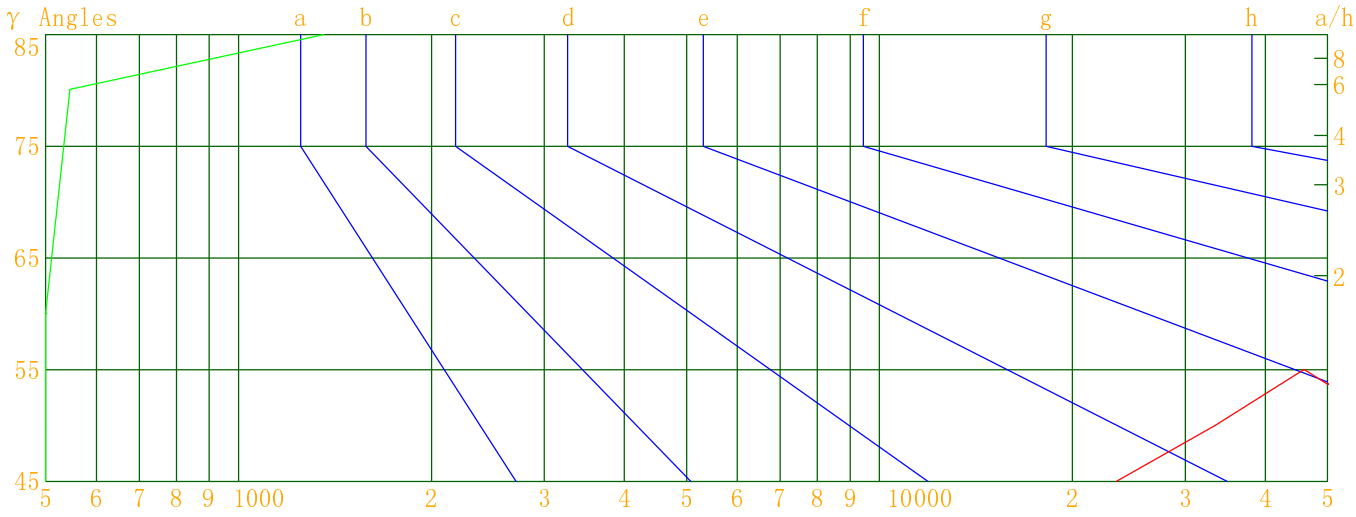
Glare Grade Table

GI	Quality	Using Illuminace							
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	23399	33394	46000	62608	95559	144630	226210	389457	880145
C90	0	0	0	0	56	138	275	546	1359

Luminance Limiting Curve



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

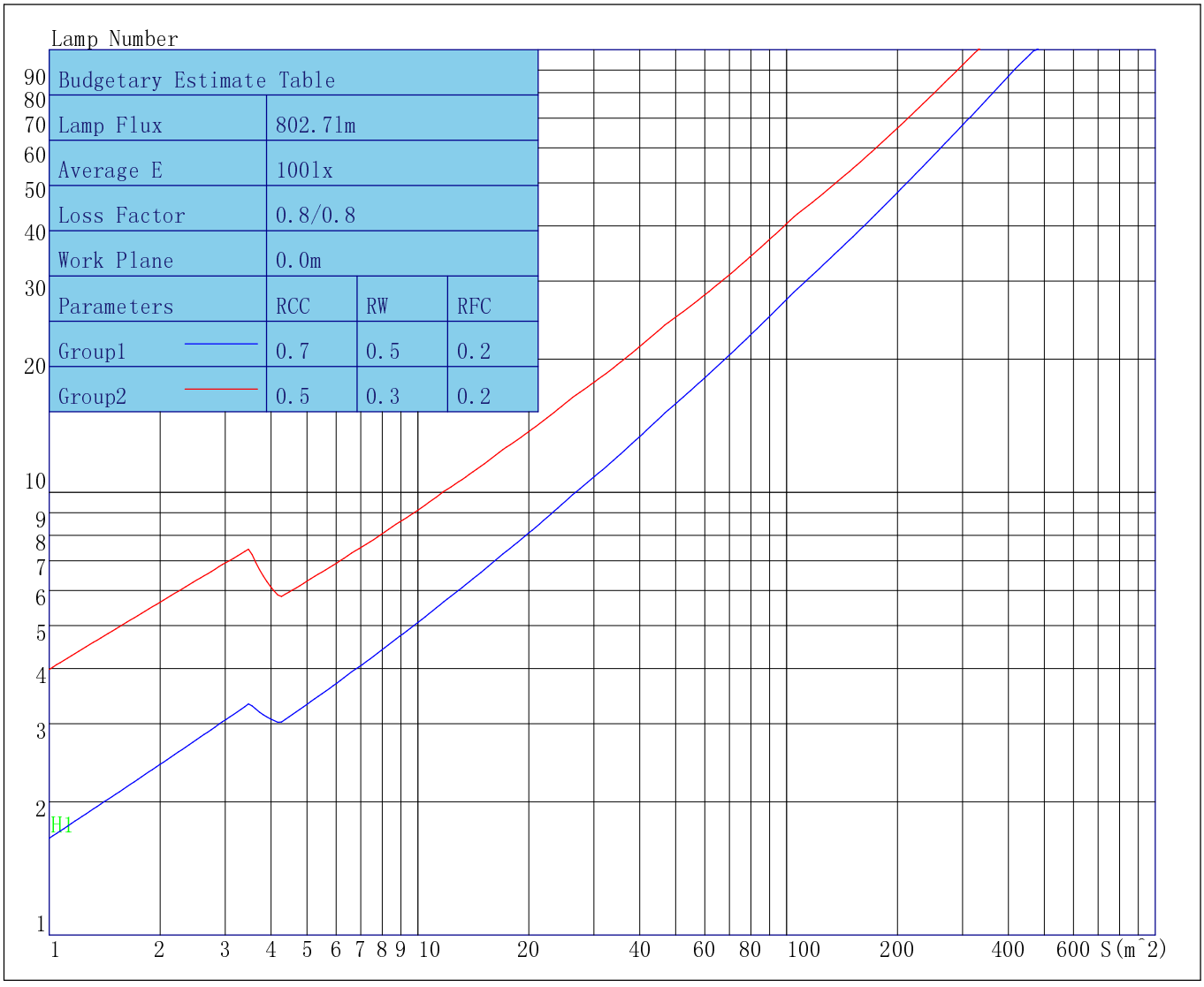
Luminous Type: Without Luminous Side

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

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Indoor Budgetary Estimate Table

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Indoor Coefficient of Utilization Table

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23

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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	88	79	70	63	80	72	64	58	59	53	48	48	43	39	37	33	30	24
2	76	63	53	44	69	58	48	40	47	39	32	37	30	25	27	22	18	13
3	68	53	42	33	61	48	38	30	39	31	24	30	23	18	22	17	12	8
4	61	46	35	26	55	42	31	24	33	25	18	26	19	14	19	13	9	5
5	56	40	29	21	50	36	27	19	29	21	15	23	16	11	16	11	7	3
6	51	36	25	18	46	32	23	16	26	18	12	20	14	9	15	9	5	2
7	47	32	22	15	43	29	20	14	23	16	11	18	12	7	13	8	5	2
8	44	29	19	13	40	26	18	12	21	14	9	17	11	6	12	7	4	1
9	41	26	17	11	37	24	16	10	19	13	8	15	10	6	11	7	3	1
10	38	24	15	10	35	22	14	9	18	11	7	14	9	5	11	6	3	1

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Unified Glare Rating Table

Lum.Name:	Lum.Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/11/23

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	25.7	26.9	26.6	27.8	29.0	11.5	12.6	12.4	13.6	14.8
	Y=3H	32.0	33.1	32.9	34.1	35.3	12.9	14.0	13.8	15.0	16.2
	Y=4H	34.7	35.8	35.6	36.7	38.0	13.5	14.5	14.4	15.5	16.8
	Y=6H	37.1	38.1	38.0	39.0	40.3	14.0	14.9	14.9	15.9	17.2
	Y=8H	38.2	39.2	39.2	40.2	41.4	14.1	15.1	15.1	16.1	17.3
	Y=12H	39.5	40.4	40.4	41.4	42.7	14.3	15.2	15.2	16.2	17.5
X=4H	Y=2H	27.5	28.5	28.4	29.5	30.7	22.2	23.2	23.1	24.2	25.4
	Y=3H	34.9	35.8	35.8	36.8	38.1	23.4	24.3	24.3	25.3	26.6
	Y=4H	38.3	39.2	39.2	40.1	41.4	23.8	24.7	24.7	25.6	26.9
	Y=6H	41.3	42.1	42.2	43.1	44.3	24.0	24.9	25.0	25.9	27.1
	Y=8H	42.5	43.3	43.4	44.3	45.6	24.1	24.9	25.1	25.9	27.2
	Y=12H	43.7	44.4	44.6	45.4	46.7	24.2	24.9	25.1	25.9	27.2
X=8H	Y=4H	39.2	40.0	40.1	41.0	42.3	33.2	34.0	34.1	35.0	36.3
	Y=6H	43.3	44.0	44.2	45.0	46.5	33.5	34.2	34.5	35.2	36.7
	Y=8H	45.2	45.9	46.2	46.9	48.2	33.6	34.2	34.5	35.2	36.6
	Y=12H	47.1	47.7	48.0	48.7	50.0	33.6	34.2	34.6	35.2	36.6
X=12H	Y=4H	39.2	39.9	40.1	40.9	42.2	36.3	37.1	37.3	38.1	39.4
	Y=6H	43.5	44.1	44.4	45.1	46.5	37.4	38.0	38.3	39.0	40.4
	Y=8H	45.8	46.4	46.8	47.4	48.8	37.5	38.1	38.5	39.2	40.5
Variations with the objerver position at spacings											
S=1.0H		0.2/-0.3					2.3/-2.7				
S=1.5H		0.6/-0.6					3.1/-4.9				
S=2.0H		0.7/-0.8					2.4/-5.6				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		11.8					13.6				

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

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Candela Tabulation

V/H	C0.0	C1.0	C2.0	C3.0	C4.0	C5.0	C6.0	C7.0	C8.0	C9.0	C10.0	C11.0
γ 0.0	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 30.0	3.51	3.29	3.00	2.74	2.49	2.25	2.02	1.73	1.48	1.22	0.93	0.71
γ 60.0	61.47	60.29	57.38	54.51	51.57	48.80	46.18	43.60	41.08	38.61	36.19	33.77
γ 90.0	168.45	150.63	134.47	120.49	109.36	99.93	91.30	83.42	76.75	71.08	65.86	60.98
γ 120.0	41.14	40.26	38.50	36.59	34.72	32.89	31.19	29.51	27.78	26.04	24.38	22.73
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C12.0	C13.0	C14.0	C15.0	C16.0	C17.0	C18.0	C19.0	C20.0	C21.0	C22.0	C23.0
γ 0.0	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 30.0	0.30	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	31.69	29.67	27.67	25.50	23.57	21.61	19.70	17.92	16.15	14.58	13.18	11.82
γ 90.0	56.63	52.44	48.61	44.81	41.08	37.74	34.58	31.71	28.83	26.11	23.42	20.96
γ 120.0	21.03	19.44	17.84	16.33	15.03	13.73	12.53	11.31	10.24	9.14	8.22	7.24
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C24.0	C25.0	C26.0	C27.0	C28.0	C29.0	C30.0	C31.0	C32.0	C33.0	C34.0	C35.0
γ 0.0	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 30.0	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 60.0	10.51	9.35	8.20	7.19	6.27	5.33	4.46	3.61	2.84	2.13	1.34	0.65
γ 90.0	18.46	16.24	14.27	12.46	10.84	9.29	7.94	6.67	5.60	4.51	3.48	2.61
γ 120.0	6.41	5.46	4.75	3.95	3.13	2.39	1.69	1.10	0.29	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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C36.0	C37.0	C38.0	C39.0	C40.0	C41.0	C42.0	C43.0	C44.0	C45.0	C46.0	C47.0
γ 0.0	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 30.0	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 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 90.0	1.65	0.87	0.02	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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C48.0	C49.0	C50.0	C51.0	C52.0	C53.0	C54.0	C55.0	C56.0	C57.0	C58.0	C59.0
γ 0.0	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 30.0	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 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 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 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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C60.0	C61.0	C62.0	C63.0	C64.0	C65.0	C66.0	C67.0	C68.0	C69.0	C70.0	C71.0
γ 0.0	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 30.0	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 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 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 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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Candela Tabulation - (Cont.)

V/H	C72.0	C73.0	C74.0	C75.0	C76.0	C77.0	C78.0	C79.0	C80.0	C81.0	C82.0	C83.0
γ 0.0	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 30.0	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 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 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 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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C84.0	C85.0	C86.0	C87.0	C88.0	C89.0	C90.0	C91.0	C92.0	C93.0	C94.0	C95.0
γ 0.0	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 30.0	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 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.28	1.16	2.07	3.00	3.97	4.96
γ 120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.95
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C96.0	C97.0	C98.0	C99.0	C100.0	C101.0	C102.0	C103.0	C104.0	C105.0	C106.0	C107.0
γ 0.0	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 30.0	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 60.0	0.94	1.62	2.38	3.17	3.95	4.74	5.58	6.47	7.40	8.43	9.53	10.71
γ 90.0	6.01	7.18	8.40	9.76	11.20	12.74	14.52	16.41	18.47	20.73	23.22	25.71
γ 120.0	1.67	2.38	3.10	3.87	4.71	5.59	6.45	7.33	8.33	9.30	10.37	11.53
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C108.0	C109.0	C110.0	C111.0	C112.0	C113.0	C114.0	C115.0	C116.0	C117.0	C118.0	C119.0
γ 0.0	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 30.0	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 60.0	11.94	13.33	14.74	16.22	17.74	19.46	21.30	23.06	24.99	26.83	28.84	30.81
γ 90.0	28.43	31.15	33.93	36.87	39.96	43.00	46.49	50.48	54.69	59.26	64.35	69.99
γ 120.0	12.78	14.05	15.37	16.90	18.43	20.20	21.91	23.79	25.58	27.64	29.55	31.55
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C120.0	C121.0	C122.0	C123.0	C124.0	C125.0	C126.0	C127.0	C128.0	C129.0	C130.0	C131.0
γ 0.0	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 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.37	0.57	0.82	1.03	1.20
γ 60.0	32.61	34.35	36.23	38.23	40.18	42.10	44.22	46.35	48.50	50.60	53.00	55.31
γ 90.0	76.39	83.96	92.80	102.20	113.20	126.58	142.58	161.11	182.16	205.94	232.13	260.47
γ 120.0	33.60	35.70	37.86	39.99	42.01	44.34	46.57	48.92	51.37	53.94	56.62	59.27
γ 150.0	0.00	0.00	0.00	0.00	0.03	0.21	0.39	0.59	0.79	0.92	1.15	1.36
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C132.0	C133.0	C134.0	C135.0	C136.0	C137.0	C138.0	C139.0	C140.0	C141.0	C142.0	C143.0
γ 0.0	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 30.0	1.39	1.63	1.86	2.04	2.13	2.29	2.42	2.55	2.67	2.80	2.99	3.12
γ 60.0	57.74	60.11	62.72	65.42	68.08	70.72	73.56	76.37	79.19	82.16	85.12	88.00
γ 90.0	290.86	323.92	359.87	398.02	438.79	482.65	529.40	578.03	628.95	680.35	731.61	779.47
γ 120.0	61.96	64.81	67.60	70.54	73.68	76.82	79.89	83.31	86.57	89.79	92.80	95.63
γ 150.0	1.52	1.70	1.80	2.06	2.17	2.39	2.50	2.57	2.79	2.77	2.95	3.05
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Candela Tabulation - (Cont.)

V/H	C144.0	C145.0	C146.0	C147.0	C148.0	C149.0	C150.0	C151.0	C152.0	C153.0	C154.0	C155.0
γ 0.0	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 30.0	3.19	3.32	3.40	3.48	3.57	3.58	3.66	3.65	3.70	3.69	3.70	3.64
γ 60.0	90.87	93.49	95.86	98.17	100.36	102.31	103.82	105.25	106.43	107.24	107.60	107.63
γ 90.0	822.74	860.51	891.09	915.86	934.11	944.93	948.93	946.96	940.76	933.95	929.61	930.20
γ 120.0	98.32	100.93	103.31	105.49	107.64	109.38	110.86	111.93	112.78	113.11	113.02	112.62
γ 150.0	3.07	3.19	3.28	3.27	3.36	3.45	3.42	3.43	3.54	3.51	3.48	3.52
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C156.0	C157.0	C158.0	C159.0	C160.0	C161.0	C162.0	C163.0	C164.0	C165.0	C166.0	C167.0
γ 0.0	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 30.0	3.67	3.64	3.64	3.62	3.57	3.44	3.38	3.30	3.26	3.14	2.95	2.93
γ 60.0	107.30	106.83	105.92	104.82	103.31	101.57	99.67	97.54	95.25	92.74	89.93	87.08
γ 90.0	932.72	935.75	935.20	928.38	915.39	895.60	868.09	832.96	791.80	744.73	694.74	643.73
γ 120.0	111.78	110.77	109.42	107.66	105.57	103.41	101.01	98.50	95.71	93.00	90.22	87.22
γ 150.0	3.48	3.50	3.34	3.35	3.29	3.27	3.13	3.10	3.01	2.93	2.80	2.78
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C168.0	C169.0	C170.0	C171.0	C172.0	C173.0	C174.0	C175.0	C176.0	C177.0	C178.0	C179.0
γ 0.0	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 30.0	2.76	2.60	2.50	2.39	2.25	2.01	1.83	1.68	1.50	1.35	1.09	0.83
γ 60.0	84.11	81.19	78.42	75.69	72.93	70.10	67.54	64.84	62.23	59.65	57.24	54.85
γ 90.0	592.92	543.92	496.28	452.68	412.21	375.46	340.19	307.27	277.15	249.65	224.10	200.40
γ 120.0	84.09	80.98	77.68	74.68	71.74	68.81	66.14	63.51	60.94	58.40	55.97	53.57
γ 150.0	2.59	2.48	2.38	2.22	2.12	1.97	1.77	1.58	1.44	1.20	1.07	0.90
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C180.0	C181.0	C182.0	C183.0	C184.0	C185.0	C186.0	C187.0	C188.0	C189.0	C190.0	C191.0
γ 0.0	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 30.0	0.69	0.46	0.31	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 60.0	52.43	50.19	48.01	45.79	43.60	41.47	39.42	37.35	35.32	33.29	31.33	29.21
γ 90.0	178.67	159.39	142.49	127.92	115.29	105.02	95.94	87.57	80.15	73.60	67.63	62.31
γ 120.0	51.18	48.84	46.70	44.30	42.18	40.05	38.04	36.07	33.96	32.01	30.07	28.18
γ 150.0	0.76	0.49	0.30	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C192.0	C193.0	C194.0	C195.0	C196.0	C197.0	C198.0	C199.0	C200.0	C201.0	C202.0	C203.0
γ 0.0	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 30.0	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 60.0	27.19	25.21	23.27	21.32	19.55	17.81	16.23	14.65	13.21	11.95	10.58	9.53
γ 90.0	57.56	53.18	49.15	45.43	41.76	38.38	35.10	32.26	29.39	26.41	23.68	21.19
γ 120.0	26.18	24.36	22.46	20.74	18.99	17.40	15.95	14.54	13.22	12.05	10.84	9.75
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C204.0	C205.0	C206.0	C207.0	C208.0	C209.0	C210.0	C211.0	C212.0	C213.0	C214.0	C215.0
γ 0.0	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 30.0	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 60.0	8.41	7.36	6.39	5.47	4.74	3.86	3.08	2.27	1.62	0.84	0.07	0.00
γ 90.0	18.80	16.76	14.77	13.13	11.57	9.97	8.57	7.32	6.21	5.10	4.08	3.15
γ 120.0	8.66	7.64	6.80	5.88	5.04	4.16	3.43	2.70	1.96	1.09	0.33	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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Candela Tabulation - (Cont.)

V/H	C216.0	C217.0	C218.0	C219.0	C220.0	C221.0	C222.0	C223.0	C224.0	C225.0	C226.0	C227.0
γ 0.0	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 30.0	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 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 90.0	2.22	1.28	0.42	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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C228.0	C229.0	C230.0	C231.0	C232.0	C233.0	C234.0	C235.0	C236.0	C237.0	C238.0	C239.0
γ 0.0	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 30.0	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 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 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 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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C240.0	C241.0	C242.0	C243.0	C244.0	C245.0	C246.0	C247.0	C248.0	C249.0	C250.0	C251.0
γ 0.0	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 30.0	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 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 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 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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C252.0	C253.0	C254.0	C255.0	C256.0	C257.0	C258.0	C259.0	C260.0	C261.0	C262.0	C263.0
γ 0.0	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 30.0	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 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 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 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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C264.0	C265.0	C266.0	C267.0	C268.0	C269.0	C270.0	C271.0	C272.0	C273.0	C274.0	C275.0
γ 0.0	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 30.0	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 60.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.73	1.41
γ 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.91	1.82	2.72	3.60	4.66
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 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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C276.0	C277.0	C278.0	C279.0	C280.0	C281.0	C282.0	C283.0	C284.0	C285.0	C286.0	C287.0
γ 0.0	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 30.0	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 60.0	2.15	2.91	3.76	4.51	5.32	6.25	7.27	8.22	9.36	10.48	11.68	13.03
γ 90.0	5.65	6.76	7.95	9.26	10.69	12.18	13.84	15.61	17.59	19.87	22.31	24.62
γ 120.0	0.00	0.55	1.26	1.95	2.65	3.45	4.17	4.95	5.73	6.61	7.51	8.39
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES Indoor Report
Photometric Filename:WL-10W-COB-1000-MH-36D-3000K.IES

Candela Tabulation - (Cont.)

V/H	C288.0	C289.0	C290.0	C291.0	C292.0	C293.0	C294.0	C295.0	C296.0	C297.0	C298.0	C299.0
γ 0.0	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 30.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.49	0.78	1.07
γ 60.0	14.39	15.91	17.51	19.23	21.14	22.91	24.90	26.86	28.88	30.95	33.18	35.48
γ 90.0	27.24	29.86	32.73	36.04	39.53	43.10	46.77	50.74	54.92	59.47	64.66	70.28
γ 120.0	9.42	10.41	11.57	12.69	13.88	15.11	16.43	17.97	19.42	21.07	22.66	24.22
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C300.0	C301.0	C302.0	C303.0	C304.0	C305.0	C306.0	C307.0	C308.0	C309.0	C310.0	C311.0
γ 0.0	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 30.0	1.35	1.62	1.91	2.11	2.37	2.69	2.92	3.18	3.46	3.65	3.89	4.21
γ 60.0	37.85	40.35	42.85	45.50	48.21	50.89	53.66	56.41	59.40	62.56	65.85	69.34
γ 90.0	76.88	84.33	93.09	102.57	113.43	126.57	142.03	159.80	180.17	202.39	226.77	253.12
γ 120.0	25.89	27.66	29.28	31.00	32.85	34.82	36.68	38.73	40.64	42.63	44.53	46.56
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 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C312.0	C313.0	C314.0	C315.0	C316.0	C317.0	C318.0	C319.0	C320.0	C321.0	C322.0	C323.0
γ 0.0	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 30.0	4.37	4.57	4.82	4.97	5.20	5.34	5.55	5.73	5.85	6.02	6.20	6.36
γ 60.0	72.93	76.86	81.03	85.58	89.99	94.51	99.19	103.95	108.84	113.80	118.85	123.83
γ 90.0	281.78	312.78	346.00	381.93	420.52	462.17	506.46	553.16	601.73	650.31	697.76	742.56
γ 120.0	48.58	50.54	52.45	54.46	56.39	58.41	60.33	62.28	64.25	66.17	68.11	69.85
γ 150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.19	0.23	0.37	0.47	0.54
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C324.0	C325.0	C326.0	C327.0	C328.0	C329.0	C330.0	C331.0	C332.0	C333.0	C334.0	C335.0
γ 0.0	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 30.0	6.44	6.58	6.65	6.79	6.87	6.94	6.95	6.99	7.00	6.99	7.03	7.03
γ 60.0	128.65	133.35	137.91	142.14	146.05	149.47	152.30	154.87	156.68	158.13	158.59	158.49
γ 90.0	783.33	818.77	846.86	867.94	881.83	889.07	892.14	892.05	890.10	887.59	885.63	885.64
γ 120.0	71.58	73.11	74.54	75.97	77.14	78.27	79.20	79.93	80.49	80.99	81.15	81.31
γ 150.0	0.65	0.67	0.72	0.83	0.87	0.93	0.96	0.98	0.97	1.03	1.07	1.02
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C336.0	C337.0	C338.0	C339.0	C340.0	C341.0	C342.0	C343.0	C344.0	C345.0	C346.0	C347.0
γ 0.0	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 30.0	7.04	6.99	6.97	6.98	6.83	6.72	6.70	6.58	6.53	6.45	6.31	6.21
γ 60.0	157.78	156.50	154.70	152.26	149.20	145.69	141.52	137.25	132.66	127.88	122.87	117.94
γ 90.0	886.56	887.19	885.13	879.10	867.56	852.27	831.70	805.68	773.01	733.07	688.91	642.35
γ 120.0	81.19	80.83	80.24	79.49	78.46	77.23	76.01	74.61	73.12	71.52	69.83	68.02
γ 150.0	1.05	1.00	1.06	1.01	0.90	0.87	0.81	0.78	0.62	0.66	0.53	0.40
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V/H	C348.0	C349.0	C350.0	C351.0	C352.0	C353.0	C354.0	C355.0	C356.0	C357.0	C358.0	C359.0
γ 0.0	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 30.0	6.05	5.87	5.73	5.52	5.40	5.14	5.02	4.77	4.56	4.35	4.12	3.84
γ 60.0	113.08	108.18	103.60	99.25	95.05	90.80	86.67	82.38	78.44	74.75	71.31	68.04
γ 90.0	595.69	550.00	505.36	462.64	422.47	384.56	348.72	315.22	284.40	255.77	228.86	203.40
γ 120.0	66.26	64.36	62.49	60.56	58.69	56.71	54.78	52.90	50.99	49.12	47.23	45.20
γ 150.0	0.27	0.20	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00