

Indoor Luminaire Photometric Data

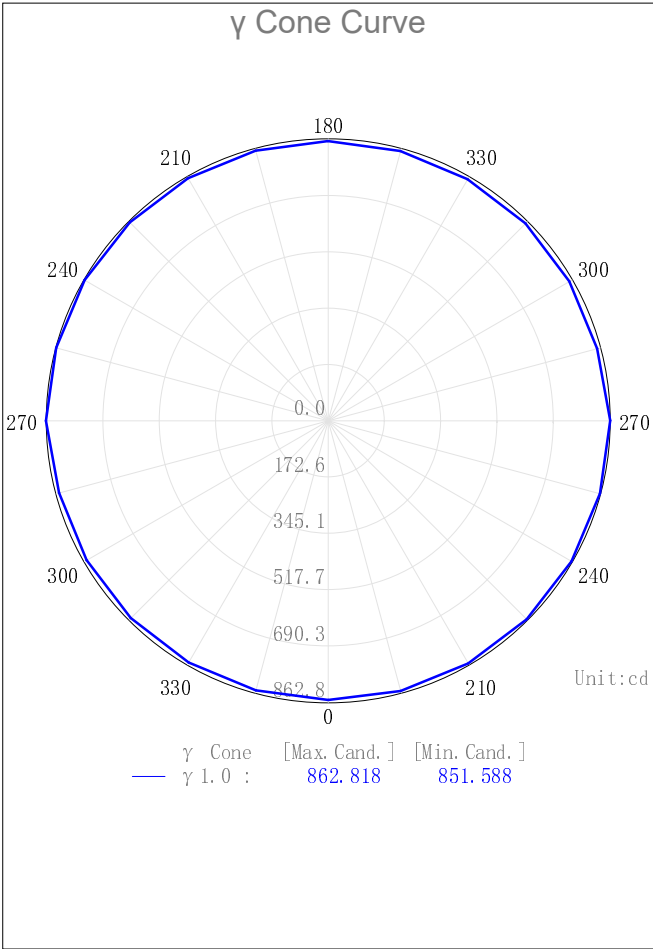
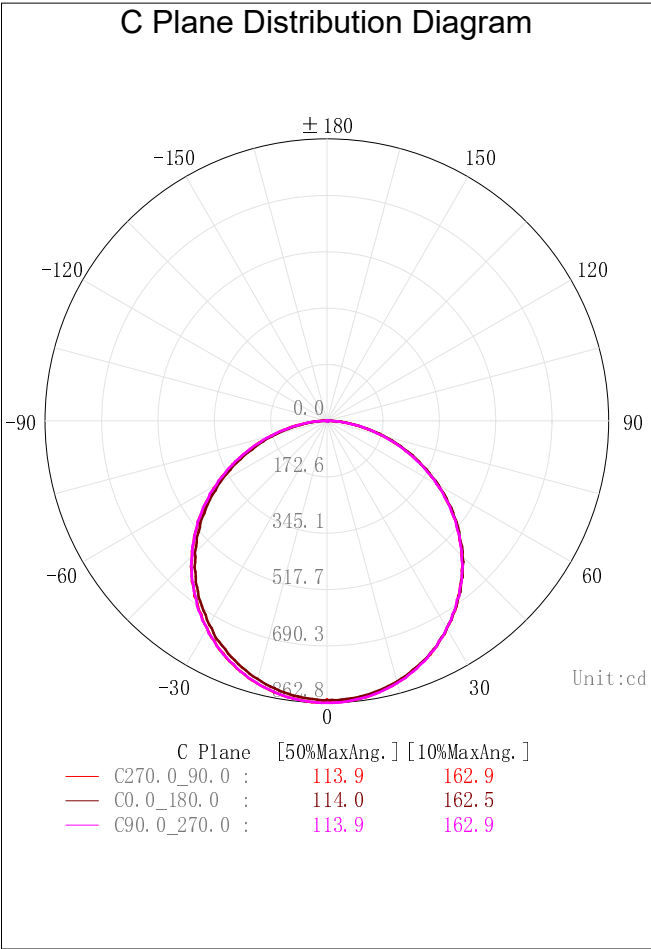
Description Information

Luminary Name: HO-PAN59559536W-W		Lum. Catalog:	Test ID: 2018-05-31
Lamp Name: 0, 0		Lamp Catalog:	Test Date: 2018-05-31 11:32:20
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): 4000 Ra: 80
Lum. Size(W*L*H):0.595m*0.595m*0.012m		Lum. Area(m2):0.361	Lum. W(kg):
Test System: C, γ	Test Step: C=15.0 γ=1.0	Temp. (°C):	Humidity(%):

Character Parameter

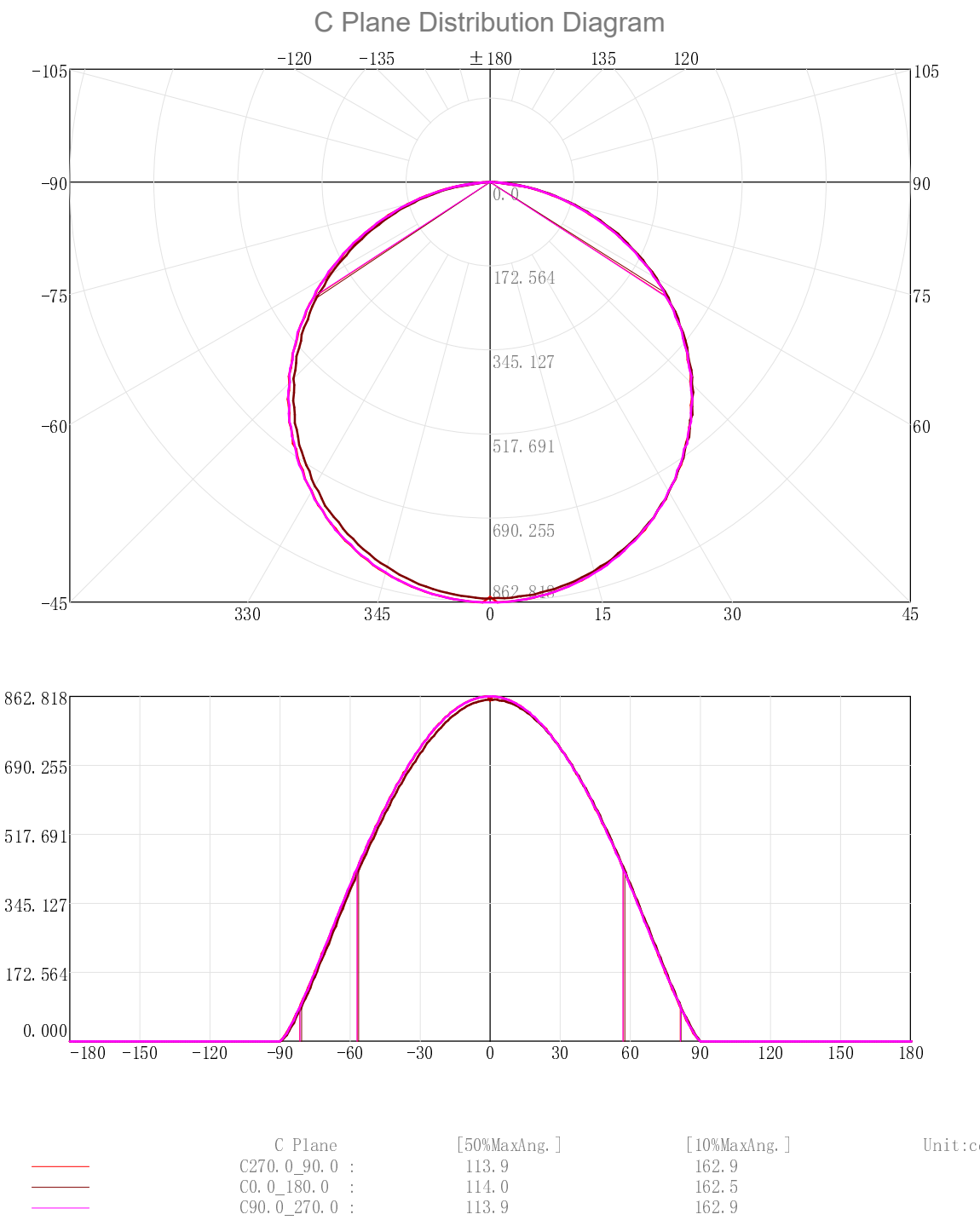
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 2490.110	Luminary Flux(lm): 2490.109	Field Angle(10%Imax): 162.9(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 2490.109lm 100.00%
Rated Voltage(V):	Luminary EER(lm/W): 68.978	Up Lumens&Percent: 0.000lm 0.00%
Tested Power(W): 36.100	Max. Candela(cd): 862.818	S/MH: C0_a180=1.262 C90_270=1.274
Lamps' Inside: 1	Max Cand@Ang. (°): C=90.0 γ=0.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf): 0.91	Beam Angle (50%Imax): 113.9(°)	ErP Φ use(120°): 1946.108lm
Lamp Size(W*L*H):0.595m*0.595m*0.012m	Left=-57.0(°), Right=56.9(°)	IRF(%): 107.598

Lighting Distribution Diagram



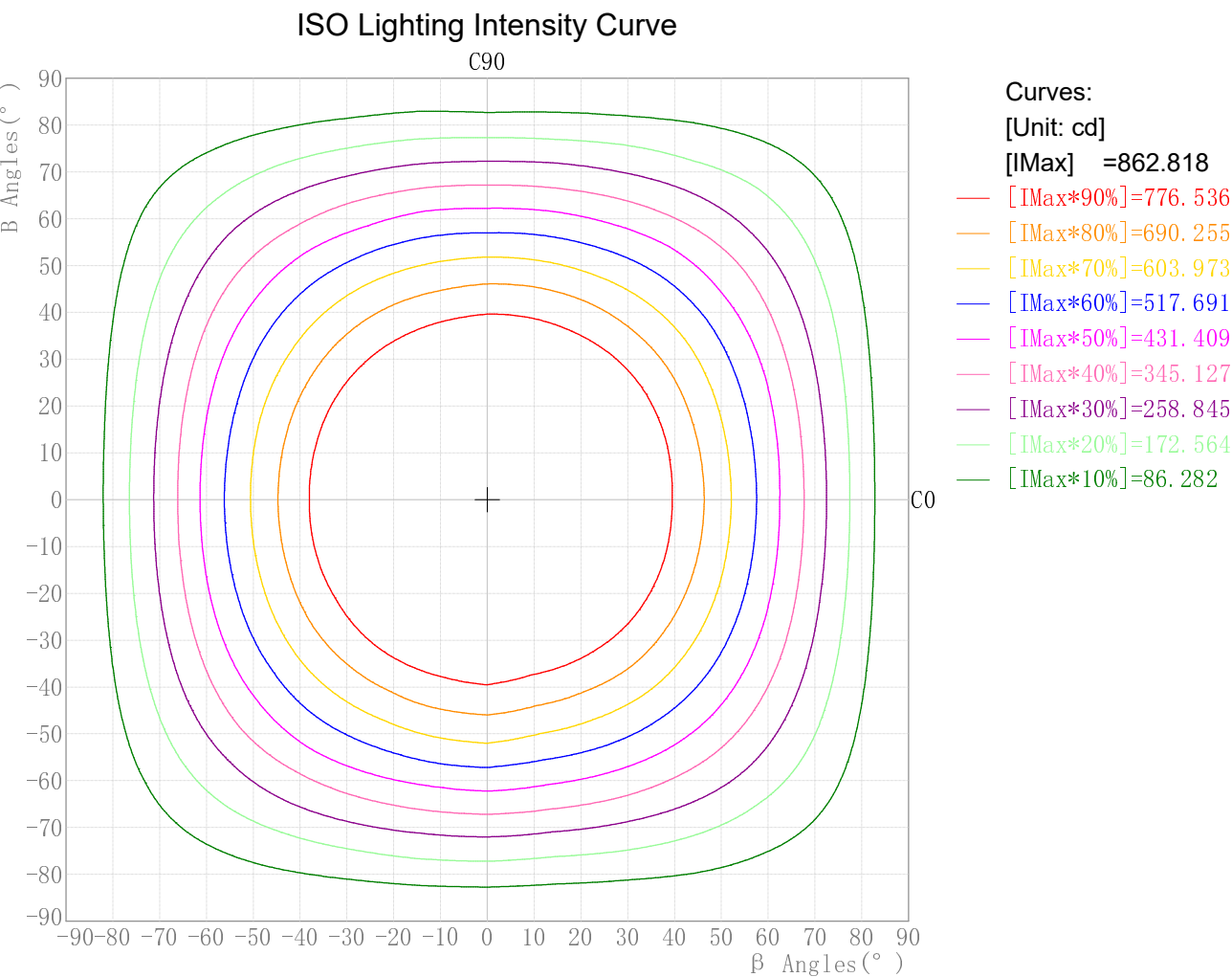
2D Plane Light Intensity Distribution Curve

Lum. Name:595x595x12MM 220V 36W	Lum. Catalog:	Test ID:2018-05-31
Lamp Name:0, 0	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2018-05-31 11:32:20



Rectangle ISO Lighting Intensity Diagram

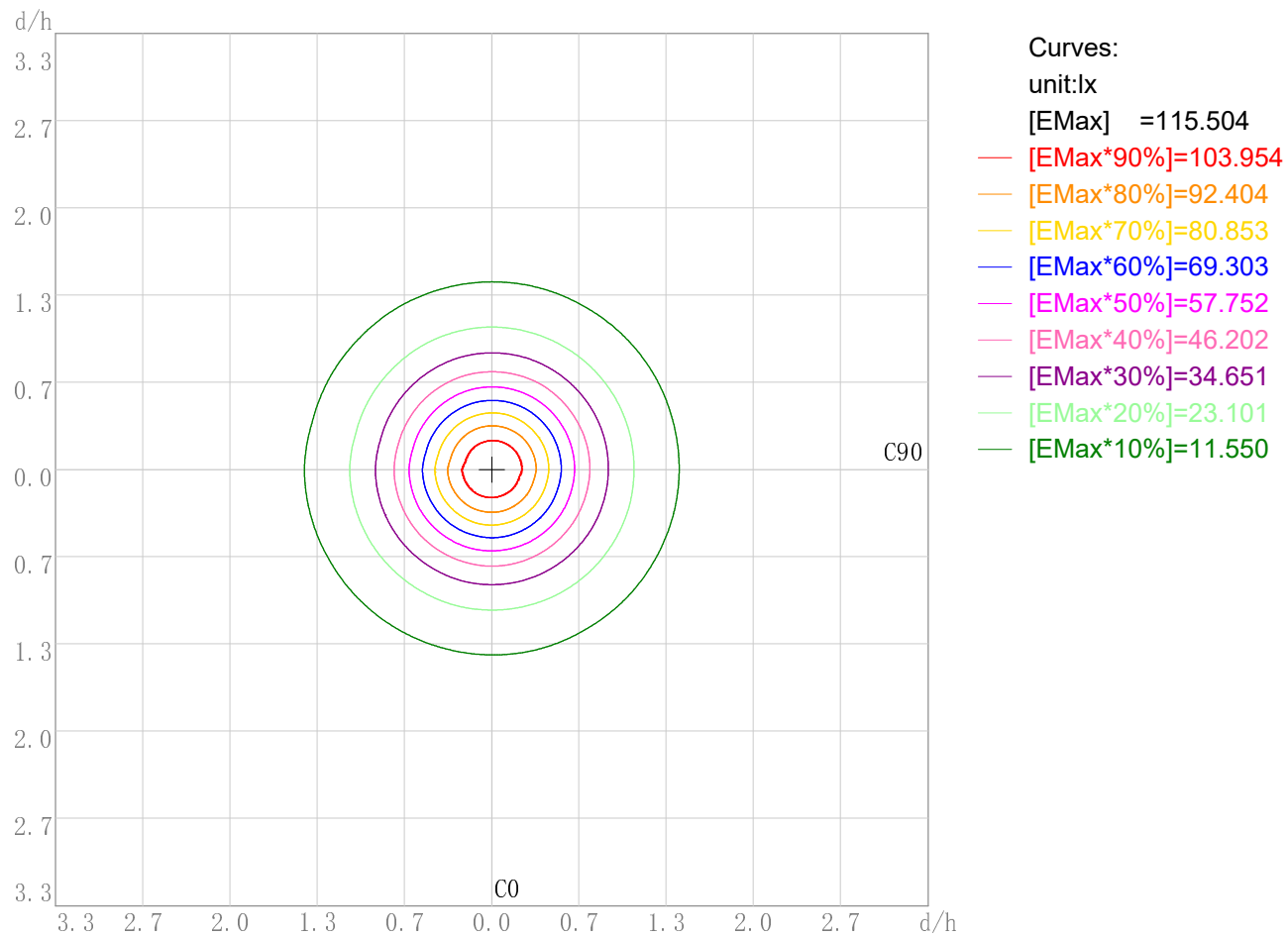
Lum. Name:595x595x12MM 220V 36W	Lum. Catalog:	Test ID:2018-05-31
Lamp Name:0,0	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2018-05-31 11:32:20



Plane ISO-Illuminance Diagram

Lum. Name:595x595x12MM 220V 36W	Lum. Catalog:	Test ID:2018-05-31
Lamp Name:0, 0	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2018-05-31 11:32:20

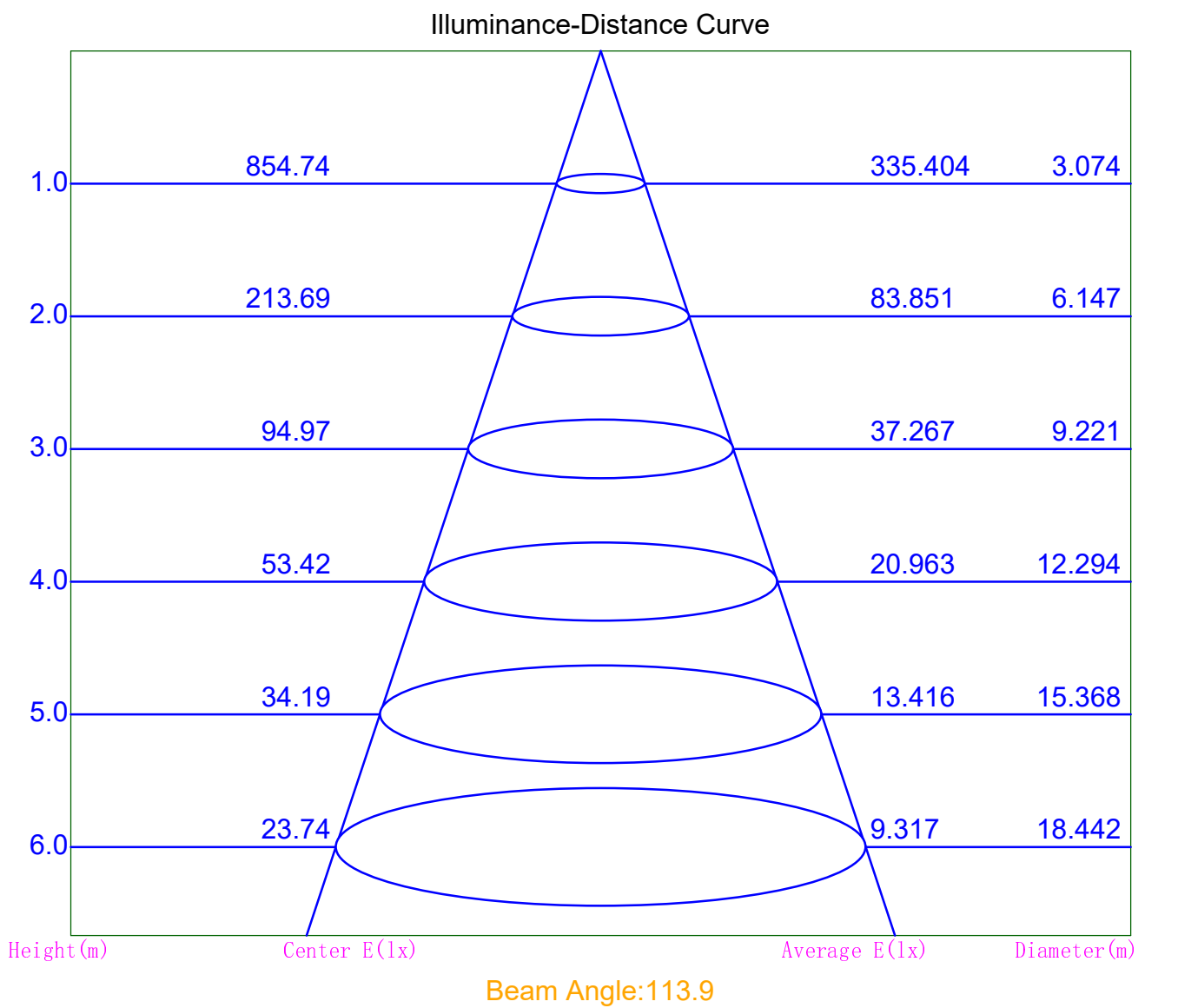
Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 115.50
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

Illuminance-Distance Diagram

Lum. Name:595x595x12MM 220V 36W	Lum. Catalog:	Test ID:2018-05-31
Lamp Name:0, 0	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2018-05-31 11:32:20



Indoor Luminance Limiting Curves

Lum. Name:595x595x12MM 220V 36W	Lum. Catalog:	Test ID:2018-05-31
Lamp Name:0, 0	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2018-05-31 11:32:20

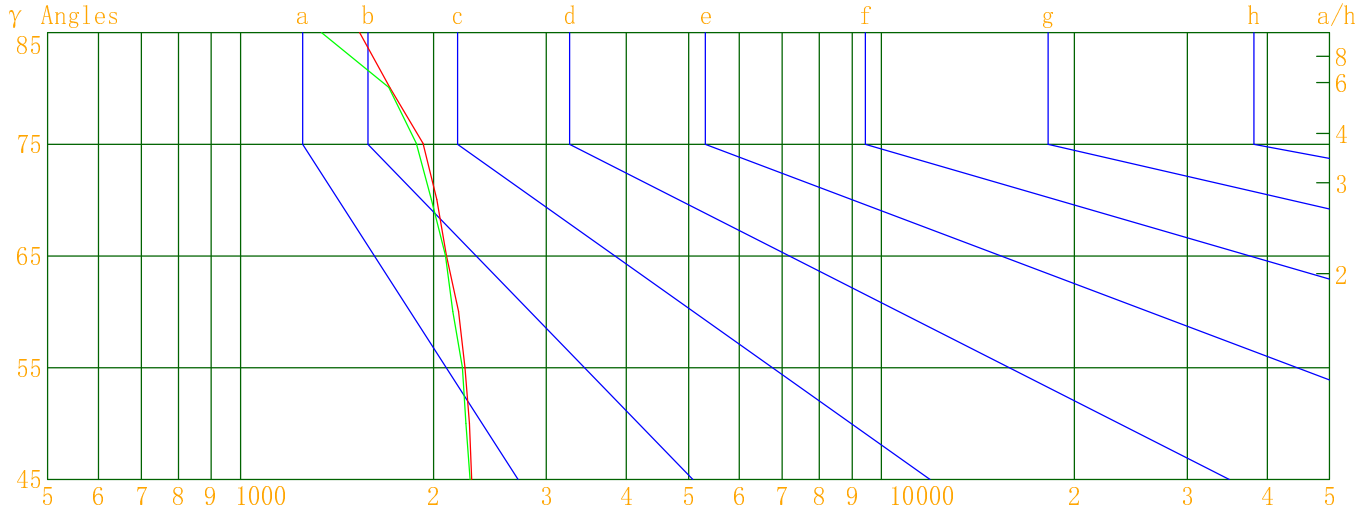
Glare Grade Table

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	2294	2276	2240	2188	2095	2023	1926	1709	1535
C90	2282	2247	2220	2143	2089	1984	1881	1703	1338

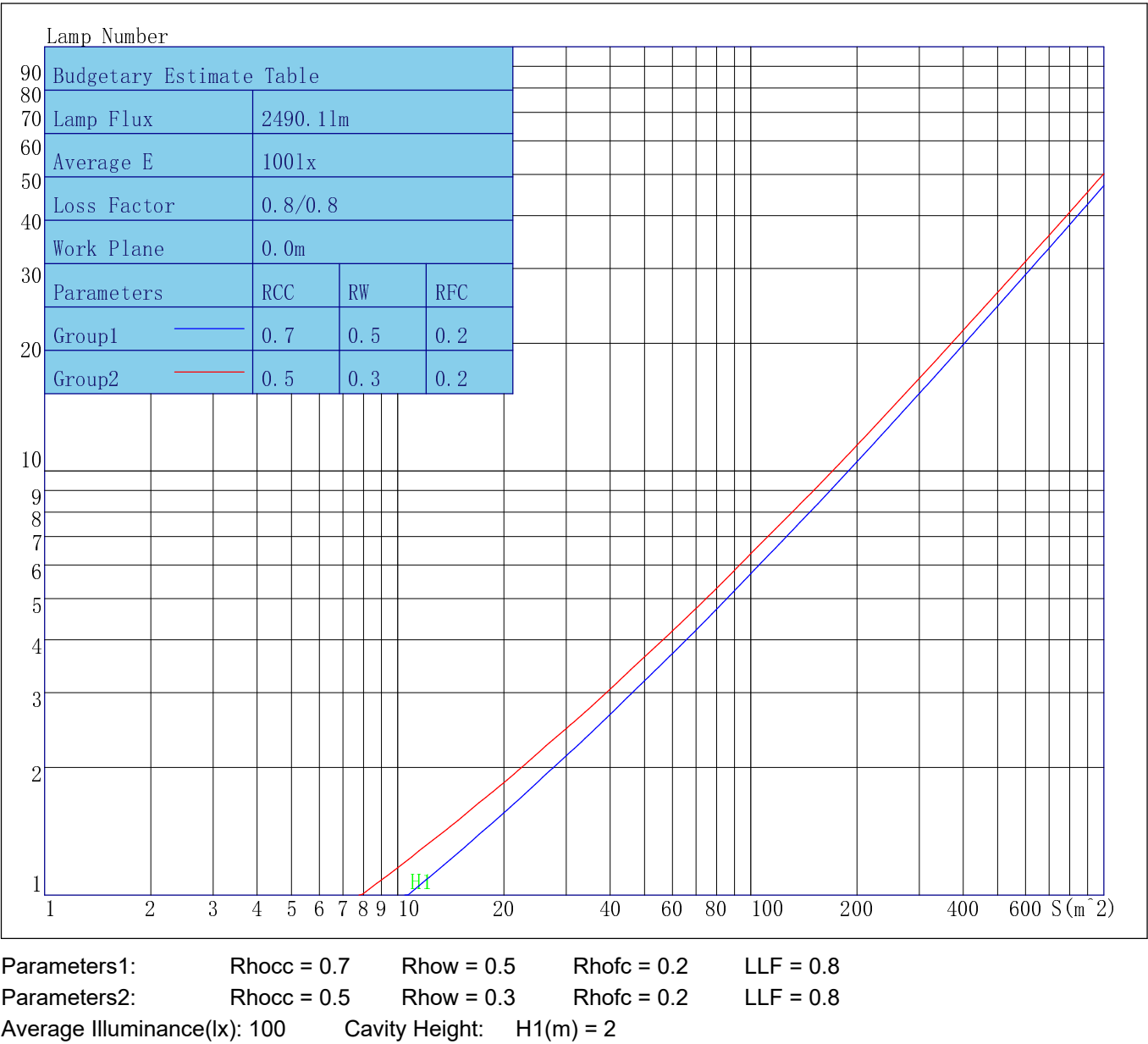
Luminance Limiting Curve



Luminous Size: Length(m)=0.595 Width(m)=0.595 Height(m)=0.012 Area(m^2)=0.361165
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name:595x595x12MM 220V 36W	Lum. Catalog:	Test ID:2018-05-31
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Indoor Coefficient of Utilization Table

Lum. Name:595x595x12MM 220V 36W	Lum. Catalog:	Test ID:2018-05-31
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Manufacture:	Test Machine:GON-2000	Test Date:2018-05-31 11:32:20

Coefficients of Utilization – Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization(%)																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Unified Glare Rating Table

Lum. Name: 595x595x12MM 220V 36W	Lum. Catalog:	Test ID: 2018-05-31
Lamp Name: 0, 0	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018-05-31 11:32:20

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	18.4	21.6	19.1	22.3	22.8	18.4	21.6	19.1	22.2	22.8
	Y=3H	23.1	26.3	23.8	26.9	27.5	22.9	26.2	23.7	26.8	27.3
	Y=4H	26.3	28.8	27.0	29.4	30.0	26.2	28.6	26.9	29.3	29.8
	Y=6H	28.1	30.4	28.8	31.1	31.6	28.0	30.3	28.7	30.9	31.5
	Y=8H	28.7	31.0	29.5	31.6	32.2	28.6	30.8	29.3	31.4	32.0
	Y=12H	29.2	31.4	29.9	32.0	32.6	28.9	31.2	29.7	31.8	32.4
X=4H	Y=2H	20.5	22.9	21.2	23.6	24.1	20.4	22.9	21.2	23.5	24.1
	Y=3H	25.4	27.8	26.1	28.4	29.0	25.2	27.7	26.0	28.3	28.9
	Y=4H	27.6	28.2	28.5	29.1	29.8	27.5	28.1	28.4	29.0	29.7
	Y=6H	30.1	30.3	31.0	31.2	31.9	29.9	30.2	30.9	31.0	31.8
	Y=8H	31.0	31.1	31.9	31.9	32.7	30.8	30.9	31.7	31.8	32.5
	Y=12H	30.8	30.6	31.8	31.5	32.4	30.5	30.4	31.6	31.3	32.2
X=8H	Y=4H	28.4	28.5	29.3	29.3	30.1	28.3	28.4	29.2	29.3	30.0
	Y=6H	30.4	29.7	31.4	30.7	31.5	30.3	29.6	31.3	30.6	31.4
	Y=8H	31.1	30.1	32.2	31.1	32.0	30.9	29.9	32.0	31.0	31.9
	Y=12H	32.0	30.8	33.1	31.9	32.8	31.8	30.7	32.9	31.7	32.6
X=12H	Y=4H	27.5	27.4	28.6	28.3	29.2	27.5	27.3	28.5	28.2	29.1
	Y=6H	30.0	29.1	31.1	30.1	31.1	29.9	29.0	31.0	30.0	30.9
	Y=8H	31.2	30.1	32.3	31.1	32.1	31.1	30.0	32.2	31.0	31.9
Variations with the objerver position at spacings											
S=1.0H		2.5/-1.0					2.5/-0.9				
S=1.5H		-1.0/-18.6					-0.9/-18.5				
S=2.0H		-1.0/-18.6					-0.9/-18.5				