

Indoor Luminaire Photometric Data

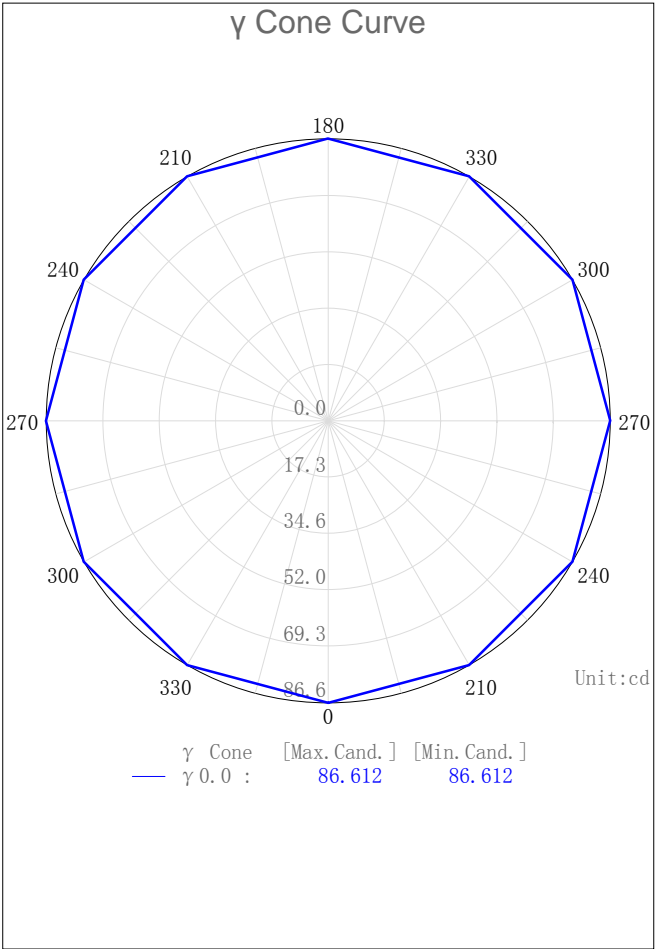
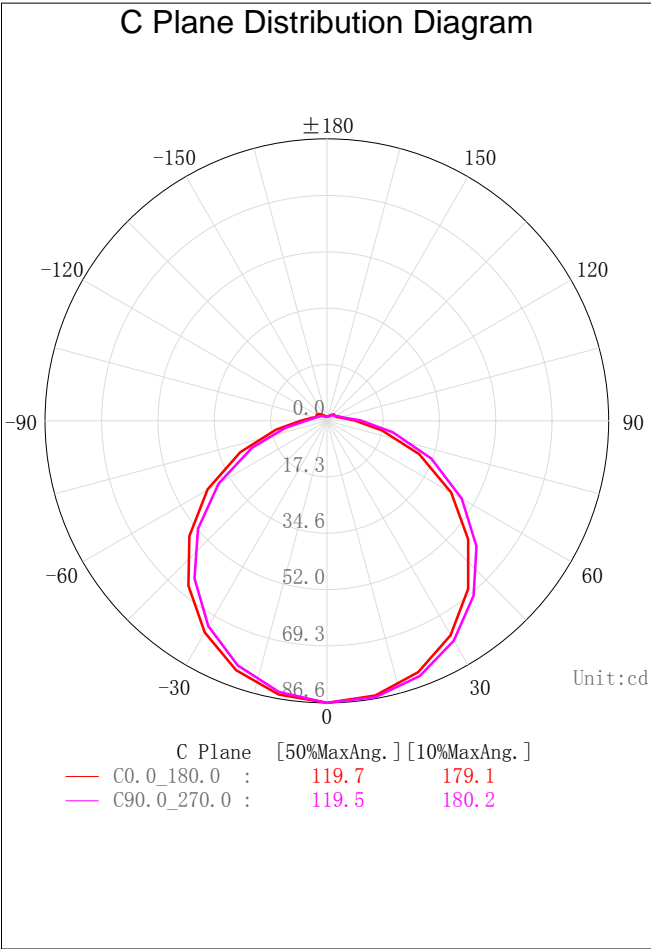
Description Information

Luminary Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
Lamp Name:	Lamp Catalog: LED	Test Date: 2023/07/05
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H) :0.141m*1.500m*0.060m		Lum. W (kg) : 1.000
Test System: C, γ	Test Step: C=30.0 γ=10.0	Temp. (°C): 25
		Humidity (%): 50.0

Character Parameter

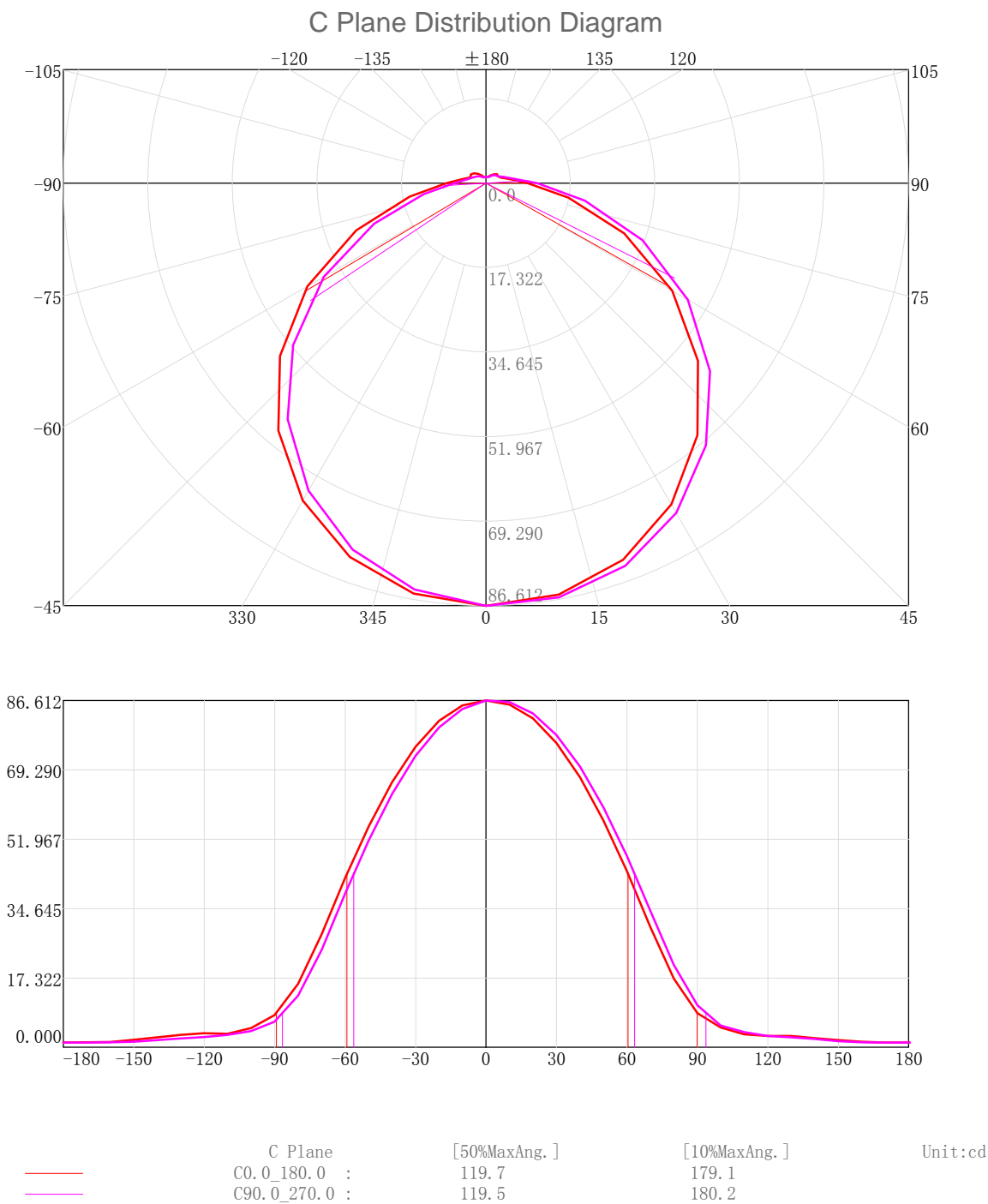
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 300.000	Luminary Flux(lm): 301.042	Field Angle(10%Imax): 179.1(°)
Rated Power(W):	Luminary Efficiency: 100.35%	Down Lumens&Percent: 278.701lm 92.58%
Rated Voltage(V):	Luminary EER(lm/W): 301041.774	Up Lumens&Percent: 22.341lm 7.42%
Tested Power(W): 0.001	Max. Candela(cd): 86.612	S/MH: C0_a180=1.300 C90_270=1.298
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):0.0, 0.000, 0.000	Beam Angle(50%Imax): 119.7(°)	ErP Φuse(120°): 205.299lm
Lamp Size (W*L*H) :0.141m*1.500m*0.060m	Left=-59.2° , Right=60.5°	IRF (%): 106.656

Lighting Distribution Diagram



2D Plane Light Intensity Distribution Curve

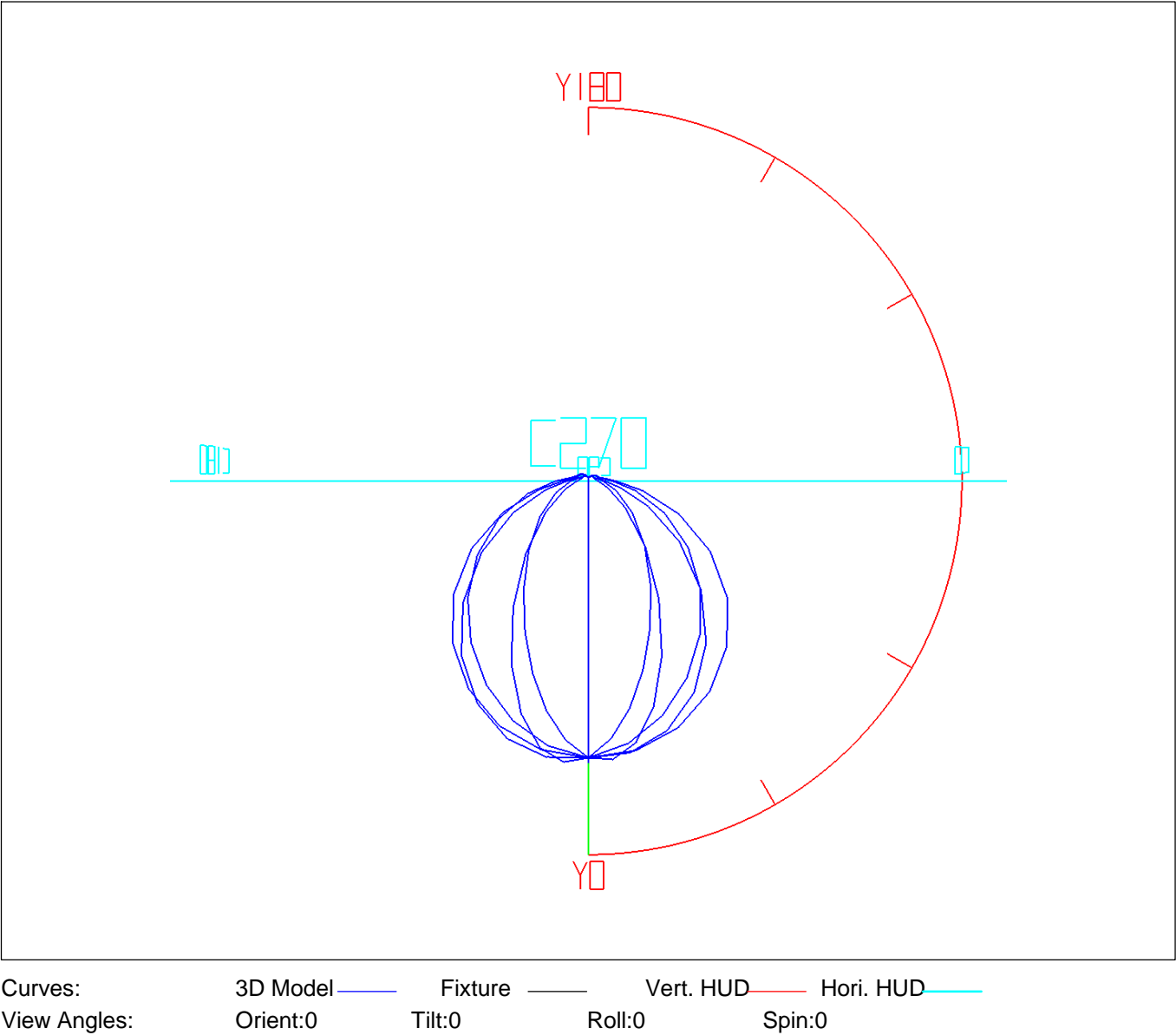
Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
Lamp Name:	Lamp Catalog: LED	Test Lab: LUMIX
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05



3D Light Intensity Distribution Modal

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
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Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05

3D Light Intensity Distribution Modal

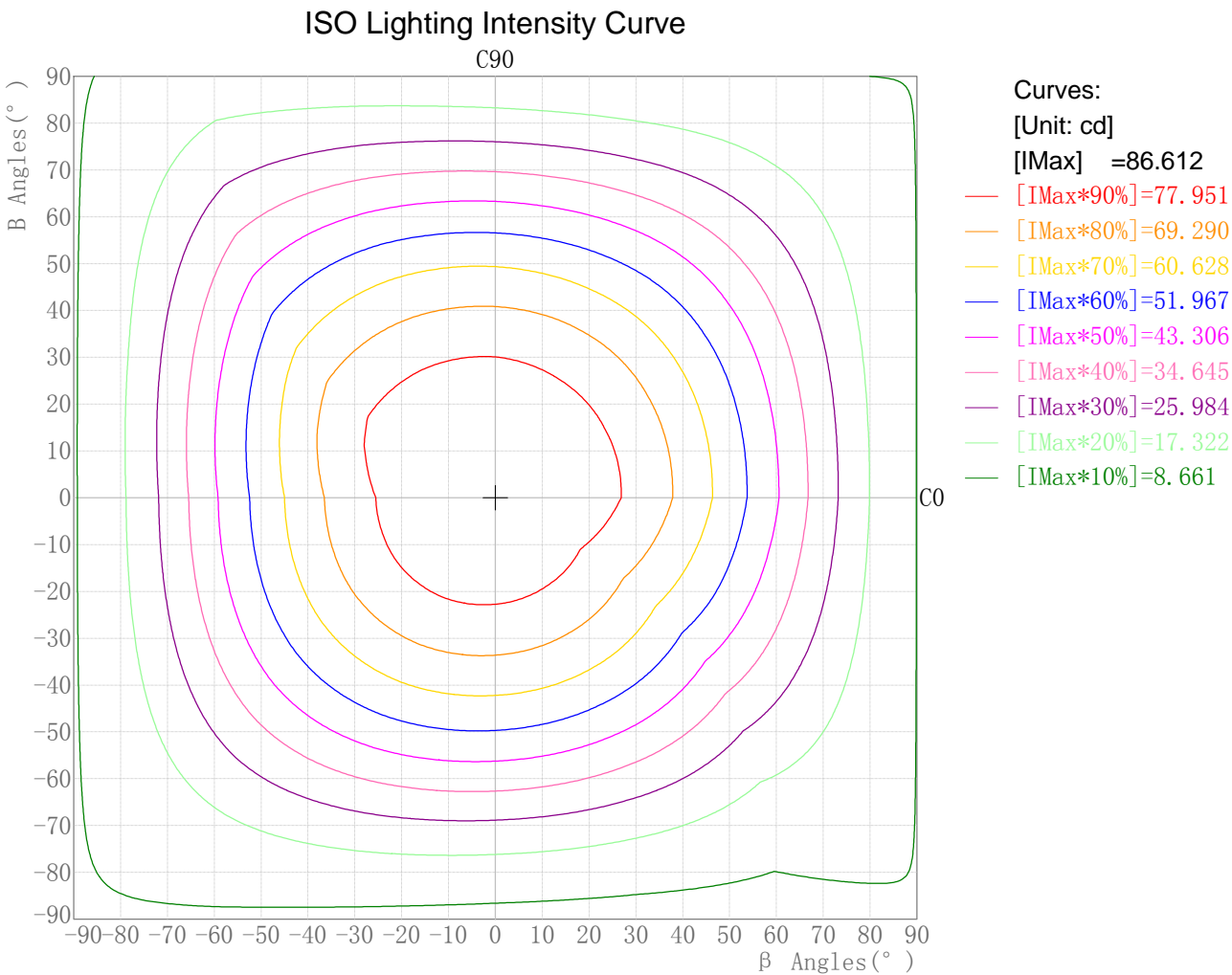


Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-10. 0	8. 21	8. 21	2. 74	2. 74
10. 0-20. 0	23. 68	31. 89	7. 89	10. 63
20. 0-30. 0	36. 36	68. 24	12. 12	22. 75
30. 0-40. 0	44. 63	112. 88	14. 88	37. 63
40. 0-50. 0	47. 43	160. 31	15. 81	53. 44
50. 0-60. 0	44. 35	204. 67	14. 78	68. 22
60. 0-70. 0	35. 90	240. 57	11. 97	80. 19
70. 0-80. 0	24. 35	264. 92	8. 12	88. 31
80. 0-90. 0	13. 78	278. 70	4. 59	92. 90
90. 0-100. 0	7. 31	286. 01	2. 44	95. 34
100. 0-110. 0	4. 55	290. 56	1. 52	96. 85
110. 0-120. 0	3. 40	293. 96	1. 13	97. 99
120. 0-130. 0	2. 66	296. 62	0. 89	98. 87
130. 0-140. 0	1. 94	298. 56	0. 65	99. 52
140. 0-150. 0	1. 26	299. 82	0. 42	99. 94
150. 0-160. 0	0. 73	300. 55	0. 24	100. 18
160. 0-170. 0	0. 37	300. 92	0. 12	100. 31
170. 0-180. 0	0. 12	301. 04	0. 04	100. 35

Rectangle ISO Lighting Intensity Diagram

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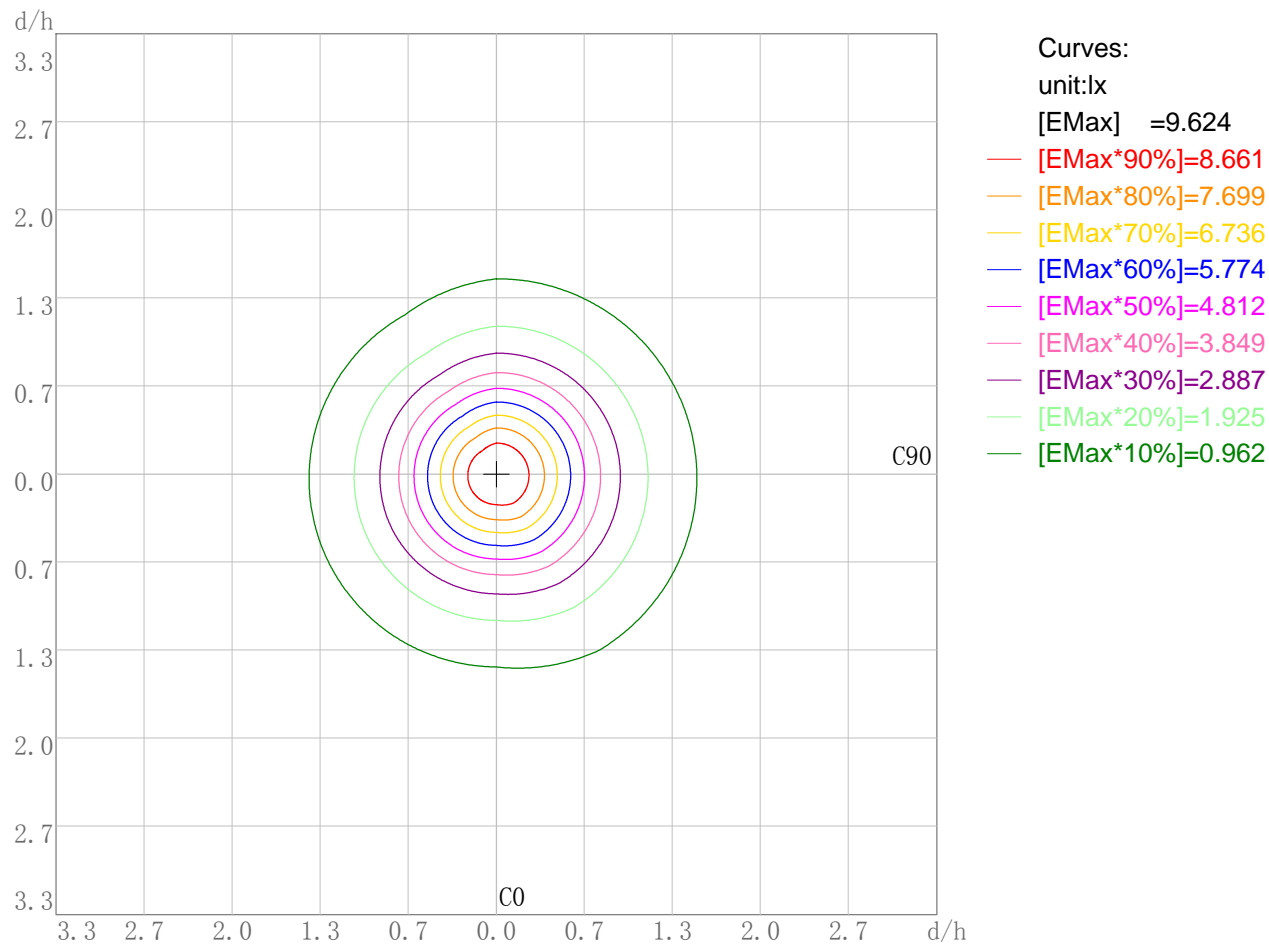
Maximum Light Intensity(cd): 86.61

Maximum Cand.@Angle: H=0.0°;V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
Lamp Name:	Lamp Catalog: LED	Test Lab: LUMIX
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05

Plane ISO-Illuminance Curve

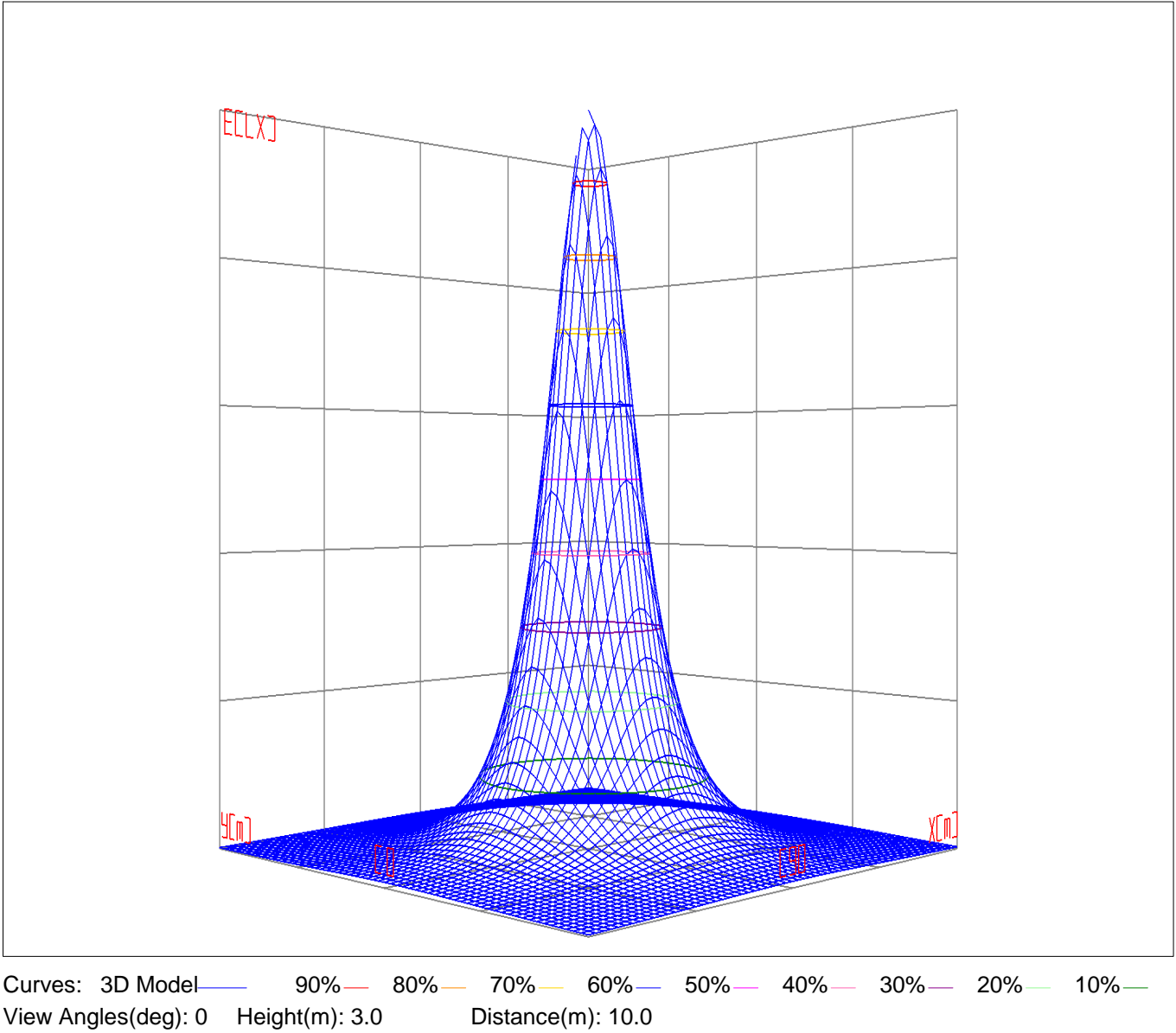


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 9.62
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
Lamp Name:	Lamp Catalog: LED	Test Lab: LUMIX
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05

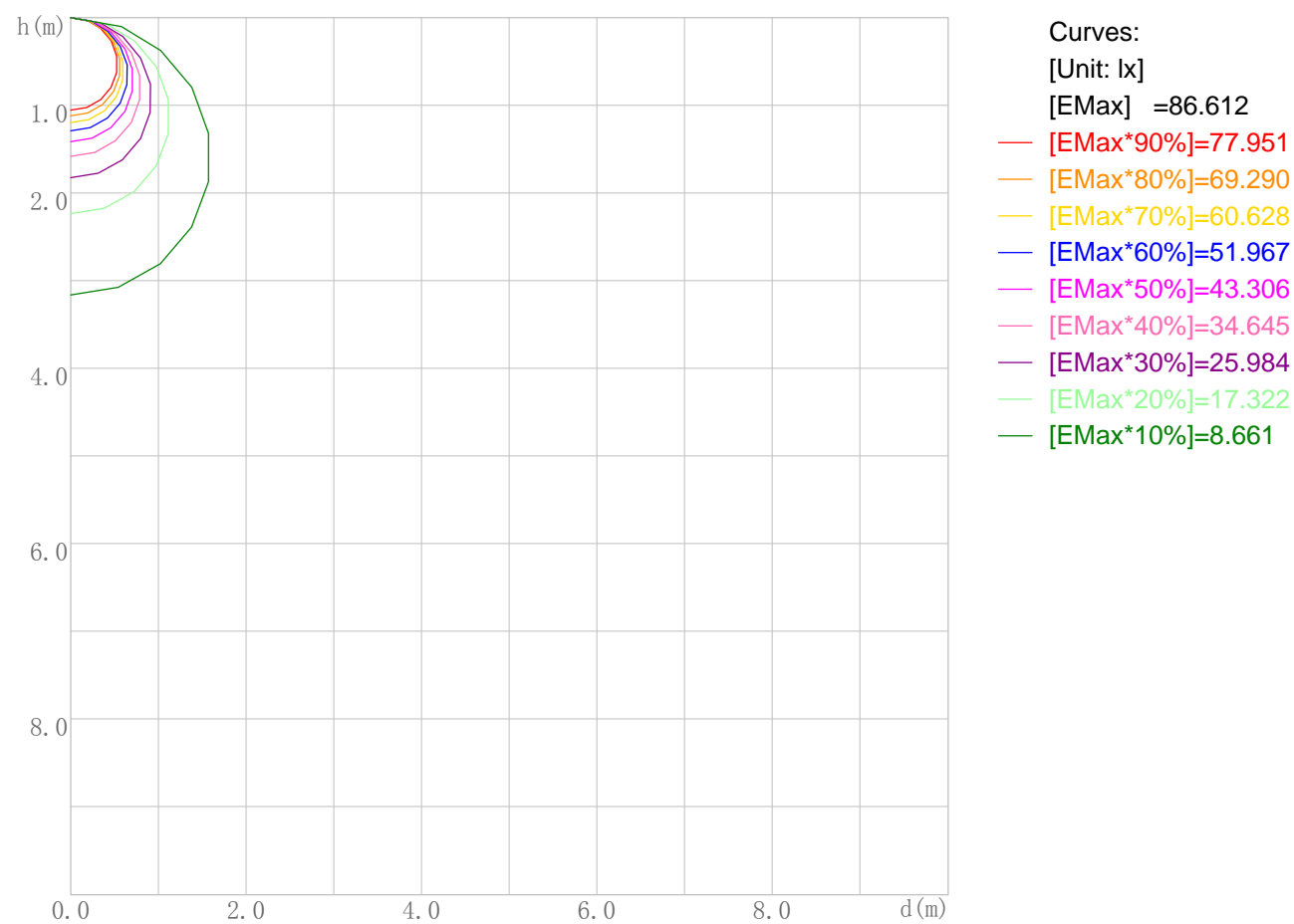
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
Lamp Name:	Lamp Catalog: LED	Test Lab: LUMIX
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05

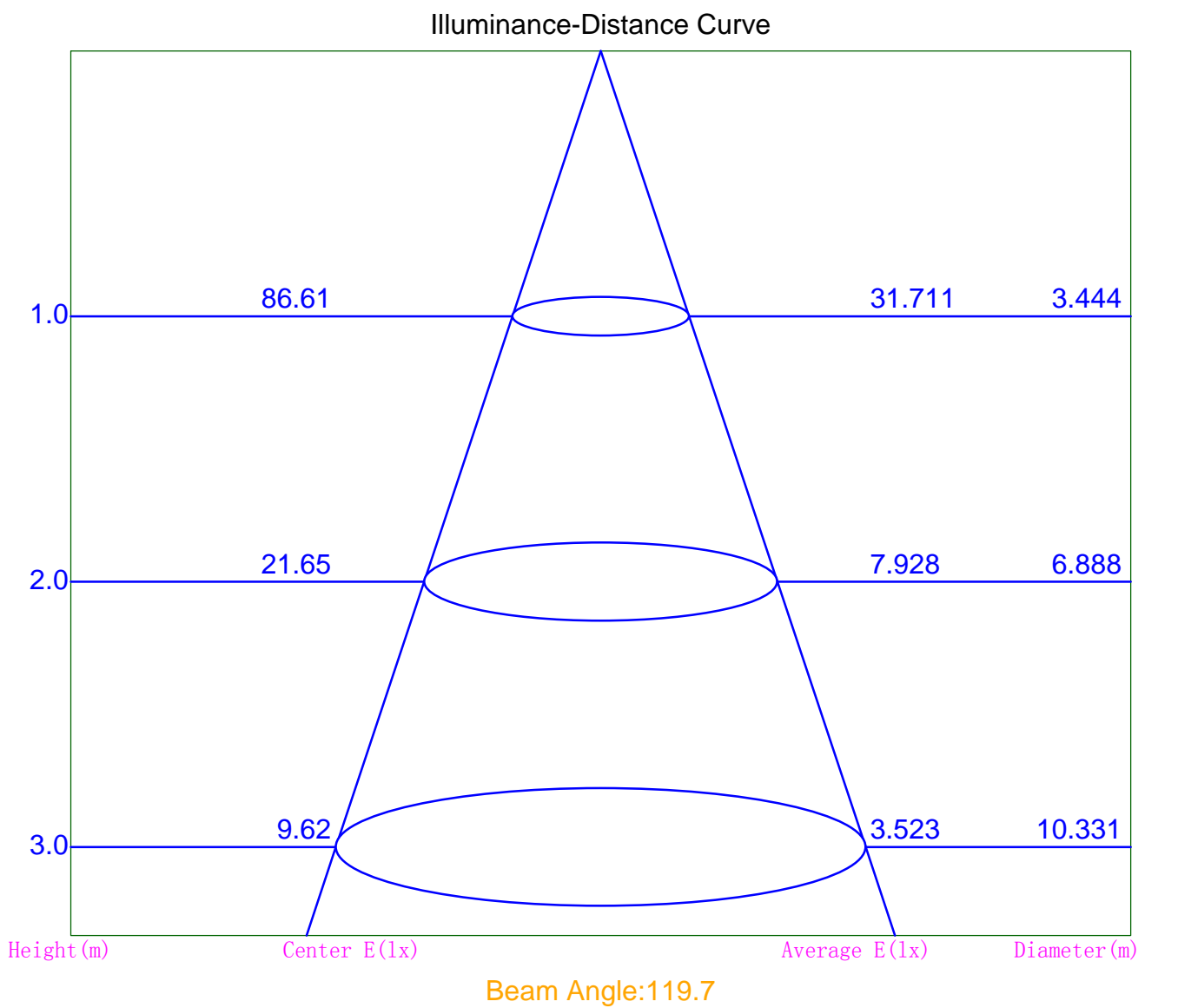
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:86.61lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:86.612cd,0eg

Illuminance-Distance Diagram

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
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Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05



Indoor Luminance Limiting Curves

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
Lamp Name:	Lamp Catalog: LED	Test Lab: LUMIX
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05

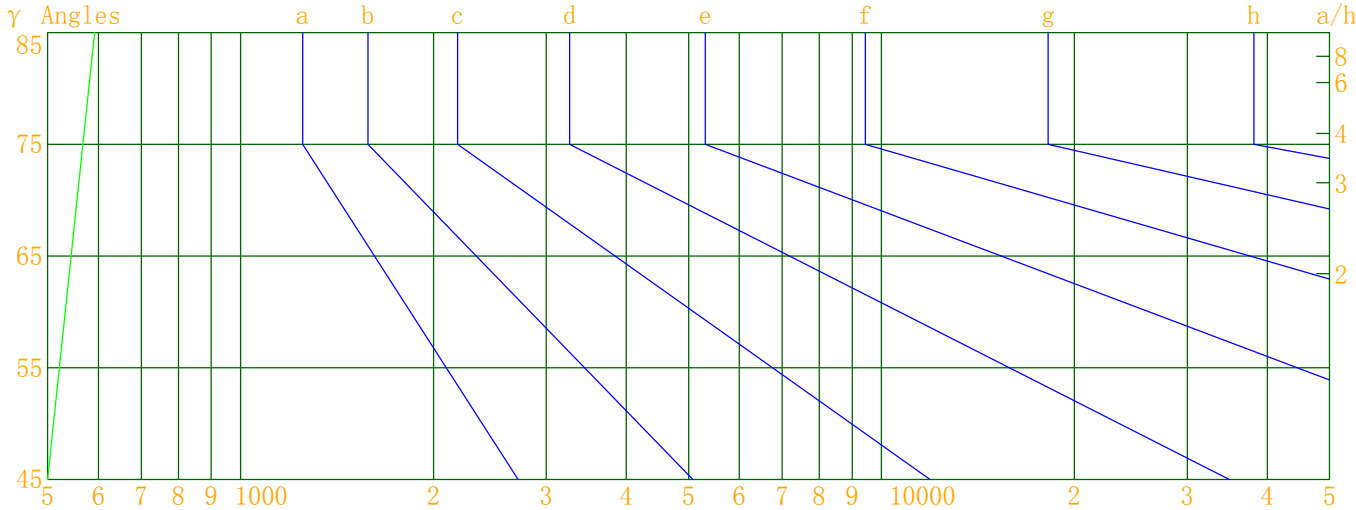
Glare Grade Table

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	291	293	291	292	291	292	303	328	490
C90	305	309	312	317	321	331	351	394	592

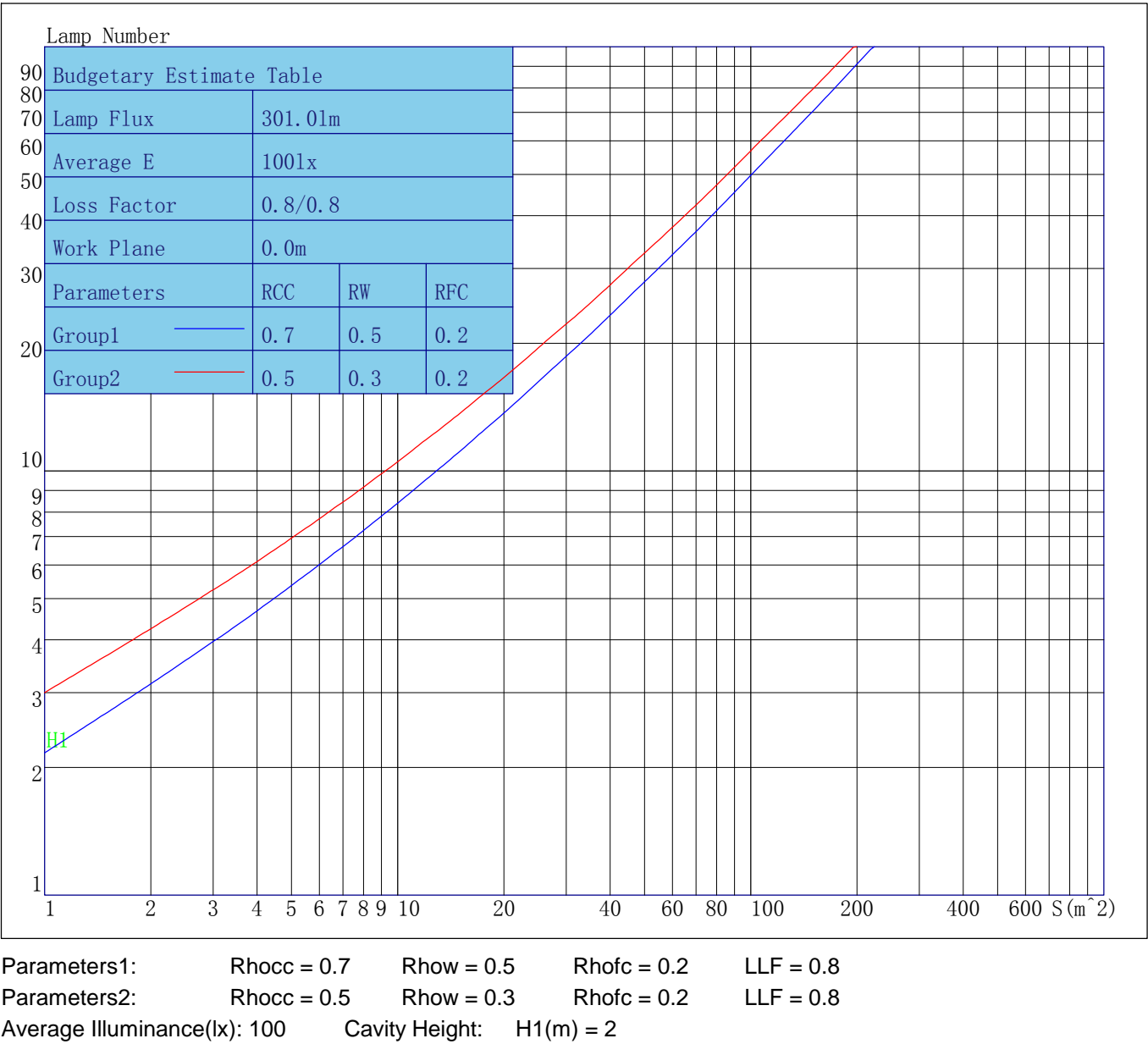
Luminance Limiting Curve



Luminous Size: Length(m)=1.500 Width(m)=0.141 Height(m)=0.060 Area(m^2)=0.301500
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
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Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05



Indoor Coefficient of Utilization Table

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
Lamp Name:	Lamp Catalog: LED	Test Lab: LUMIX
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05

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	118	118	118	118	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	106	101	96	91	102	98	93	89	92	88	85	87	84	81	82	80	77	75
2	96	87	80	73	92	84	78	72	79	74	69	75	70	66	71	67	64	61
3	87	76	67	60	84	74	66	59	70	63	57	66	60	55	62	57	53	51
4	79	67	58	51	76	65	57	50	62	54	48	58	52	47	55	50	46	43
5	73	60	50	43	70	58	49	43	55	47	42	52	46	40	50	44	39	37
6	67	53	44	38	65	52	43	37	50	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	23
10	51	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20

Unified Glare Rating Table

Lum. Name: LED364 W34AEM (in emergency mode)		Test ID: 20230705
Lamp Name:	Lamp Catalog: LED	Test Lab: LUMIX
Manufacture:	Test Machine:GON-2000	Test Date: 2023/07/05

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	13.7	17.3	14.8	18.3	19.3	14.2	17.7	15.2	18.7	19.8
	Y=3H	18.9	22.4	20.0	23.5	24.5	19.7	23.2	20.7	24.3	25.3
	Y=4H	22.1	25.3	23.2	26.3	27.4	23.2	26.3	24.3	27.4	28.4
	Y=6H	24.7	27.7	25.8	28.8	29.8	26.0	29.0	27.1	30.1	31.2
	Y=8H	25.9	28.9	27.0	30.0	31.0	27.5	30.4	28.6	31.5	32.6
	Y=12H	27.3	30.2	28.4	31.3	32.4	29.0	32.0	30.1	33.0	34.1
X=4H	Y=2H	15.7	18.8	16.8	19.9	20.9	15.9	19.0	17.0	20.1	21.1
	Y=3H	21.1	24.2	22.2	25.3	26.4	21.7	24.8	22.8	25.8	26.9
	Y=4H	23.0	24.9	24.3	26.2	27.5	23.7	25.7	25.1	27.0	28.3
	Y=6H	26.1	27.9	27.5	29.2	30.5	27.2	29.0	28.6	30.3	31.6
	Y=8H	27.8	29.5	29.1	30.8	32.1	29.0	30.7	30.4	32.1	33.3
	Y=12H	28.6	30.1	30.1	31.5	32.9	30.1	31.6	31.6	33.0	34.4
X=8H	Y=4H	23.7	25.5	25.1	26.8	28.1	24.4	26.1	25.8	27.4	28.7
	Y=6H	26.5	27.7	28.0	29.2	30.6	27.4	28.6	28.9	30.1	31.5
	Y=8H	28.0	29.0	29.6	30.5	32.0	29.1	30.1	30.7	31.6	33.1
	Y=12H	30.3	31.2	31.8	32.7	34.2	31.6	32.5	33.1	34.0	35.5
X=12H	Y=4H	23.0	24.4	24.5	25.9	27.3	23.6	25.0	25.1	26.5	27.9
	Y=6H	26.2	27.3	27.8	28.8	30.2	27.1	28.1	28.7	29.6	31.1
	Y=8H	28.3	29.3	29.9	30.8	32.3	29.4	30.3	31.0	31.8	33.3
Variations with the objerver position at spacings											
S=1.0H		2.1/-1.0					2.1/-1.5				
S=1.5H		-1.0/-18.2					-1.5/-18.9				
S=2.0H		-1.0/-18.2					-1.5/-18.9				

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	86.61	86.61	86.61	86.61	86.61	86.61	86.61	86.61	86.61	86.61	86.61	86.61
γ 10.0	85.62	85.74	85.93	86.19	86.40	86.55	85.38	85.20	84.90	84.51	84.15	83.91
γ 20.0	82.15	82.38	82.81	83.43	83.93	84.25	81.52	81.22	80.66	79.91	79.24	78.81
γ 30.0	76.03	76.40	77.09	78.00	78.82	79.36	75.06	74.61	73.80	72.75	71.80	71.18
γ 40.0	67.45	67.98	68.90	70.13	71.17	71.91	66.16	65.61	64.57	63.20	62.03	61.24
γ 50.0	56.69	57.35	58.45	59.97	61.22	62.14	55.10	54.43	53.16	51.60	50.22	49.29
γ 60.0	44.06	44.77	46.10	47.78	49.28	50.31	42.24	41.47	40.02	38.33	36.75	35.76
γ 70.0	30.14	30.96	32.32	34.15	35.71	36.83	28.30	27.49	26.05	24.38	22.95	21.97
γ 80.0	17.17	17.83	19.02	20.62	22.04	23.06	15.87	15.21	14.12	12.94	11.94	11.32
γ 90.0	8.56	8.87	9.48	10.51	11.46	12.15	8.07	7.65	7.05	6.45	5.92	5.83
γ 100.0	4.97	4.94	4.98	5.45	5.92	6.36	4.83	4.81	4.34	4.12	3.87	4.24
γ 110.0	3.30	3.93	3.60	3.84	4.02	4.64	3.43	4.14	3.40	3.17	3.11	3.71
γ 120.0	2.84	3.43	2.93	2.84	3.34	4.07	3.55	3.62	2.93	2.59	2.69	3.19
γ 130.0	2.91	2.93	2.47	2.51	2.87	3.50	3.13	3.09	2.51	2.23	2.30	2.65
γ 140.0	2.36	2.42	2.01	2.11	2.44	2.85	2.51	2.48	2.07	1.83	1.86	2.10
γ 150.0	1.84	1.89	1.64	1.57	1.95	2.19	1.89	1.86	1.67	1.43	1.49	1.61
γ 160.0	1.42	1.44	1.33	1.33	1.54	1.63	1.39	1.41	1.35	1.28	1.27	1.29
γ 170.0	1.25	1.24	1.22	1.24	1.25	1.26	1.28	1.26	1.26	1.26	1.26	1.27
γ 180.0	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26