

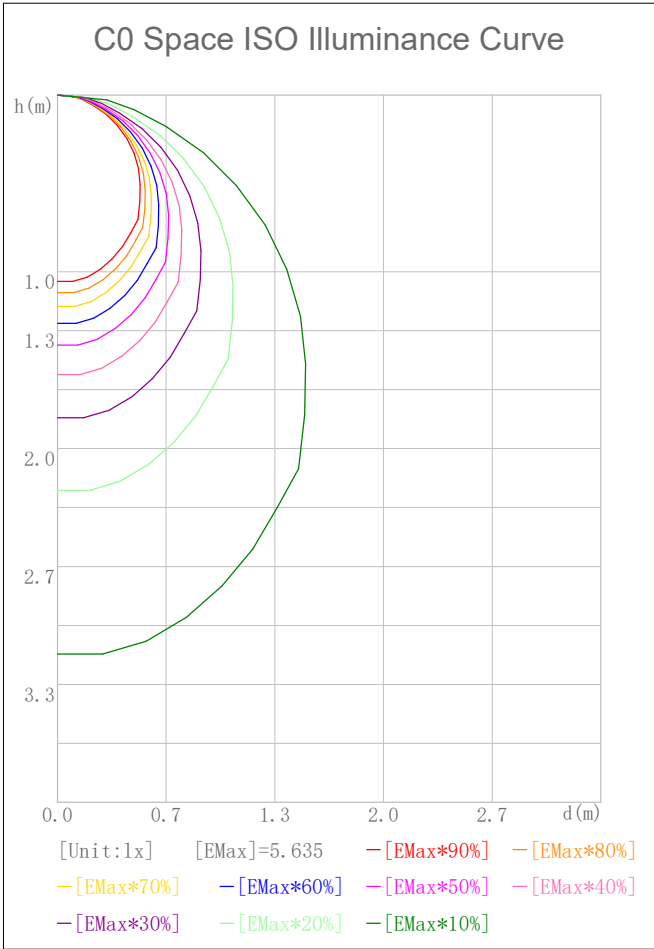
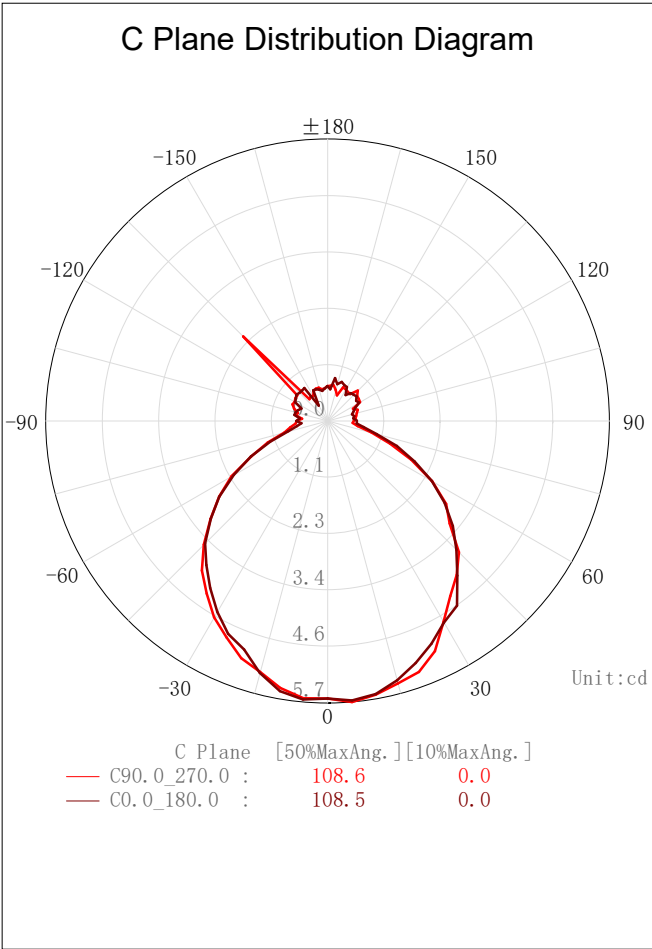
Indoor Luminaire Photometric Data

Description Information

Luminary Name: WL-MT		Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED		Lamp Catalog: LED	Test Date: 2025/10/29
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.060m*0.060m*0.070m		Lum. Area (m2):0.008	Lum. W (kg):
Test System: C, γ	Test Step: C=45.0 γ=5.0	Temp. (°C):	Humidity(%):

Character Parameter

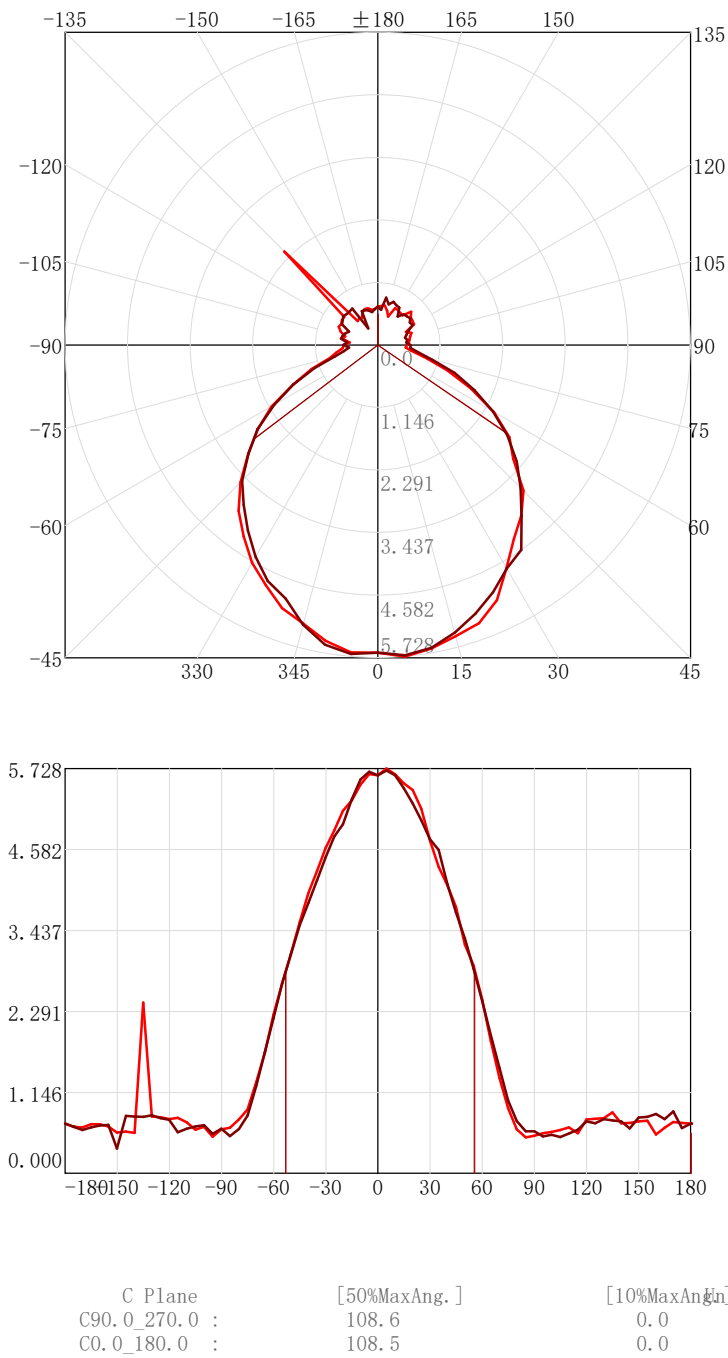
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 20.330	Luminary Flux(lm): 20.329	Field Angle(10%Imax): 360.0(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 16.062lm 79.01%	
Rated Voltage(V): 12	Luminary EER(lm/W): 16.941	Up Lumens&Percent: 4.267lm 20.99%	
Tested Power(W): 1.200	Max. Candela(cd): 5.728	S/MH: C0_a180=1.226 C90_270=1.229	
Lamps' Inside: 1	Max Cand@Ang. (°): C=90.0 γ=5.0	CIE Type: General Diffuse	
Tested Electrics(V, A, pf):12.0, 0.107, 1.000	Beam Angle(50%Imax): 108.6(°)	ErP Φuse(120°): 12.394lm	
Lamp Size(W*L*H):0.060m*0.060m*0.070m	Left=-52.8°, Right=55.8°	IRF(%): 111.034	



2D Plane Light Intensity Distribution Curve

Lum. Name:WL-MT	Lum. Catalog:	Test ID:ALDG20251029006
Lamp Name:LED	Lamp Catalog:LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date:2025/10/29

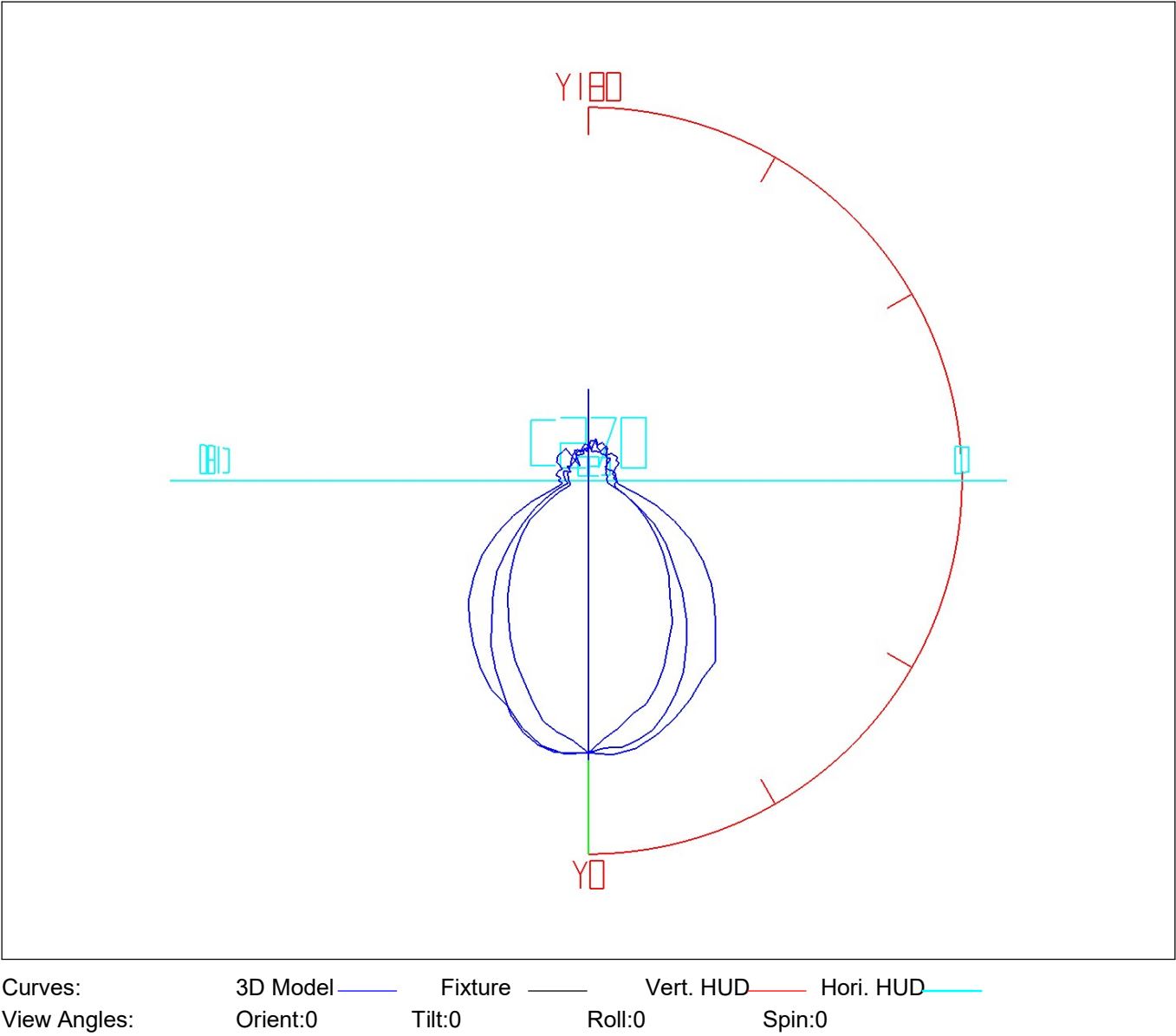
C Plane Distribution Diagram



3D Light Intensity Distribution Modal

Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29

3D Light Intensity Distribution Modal

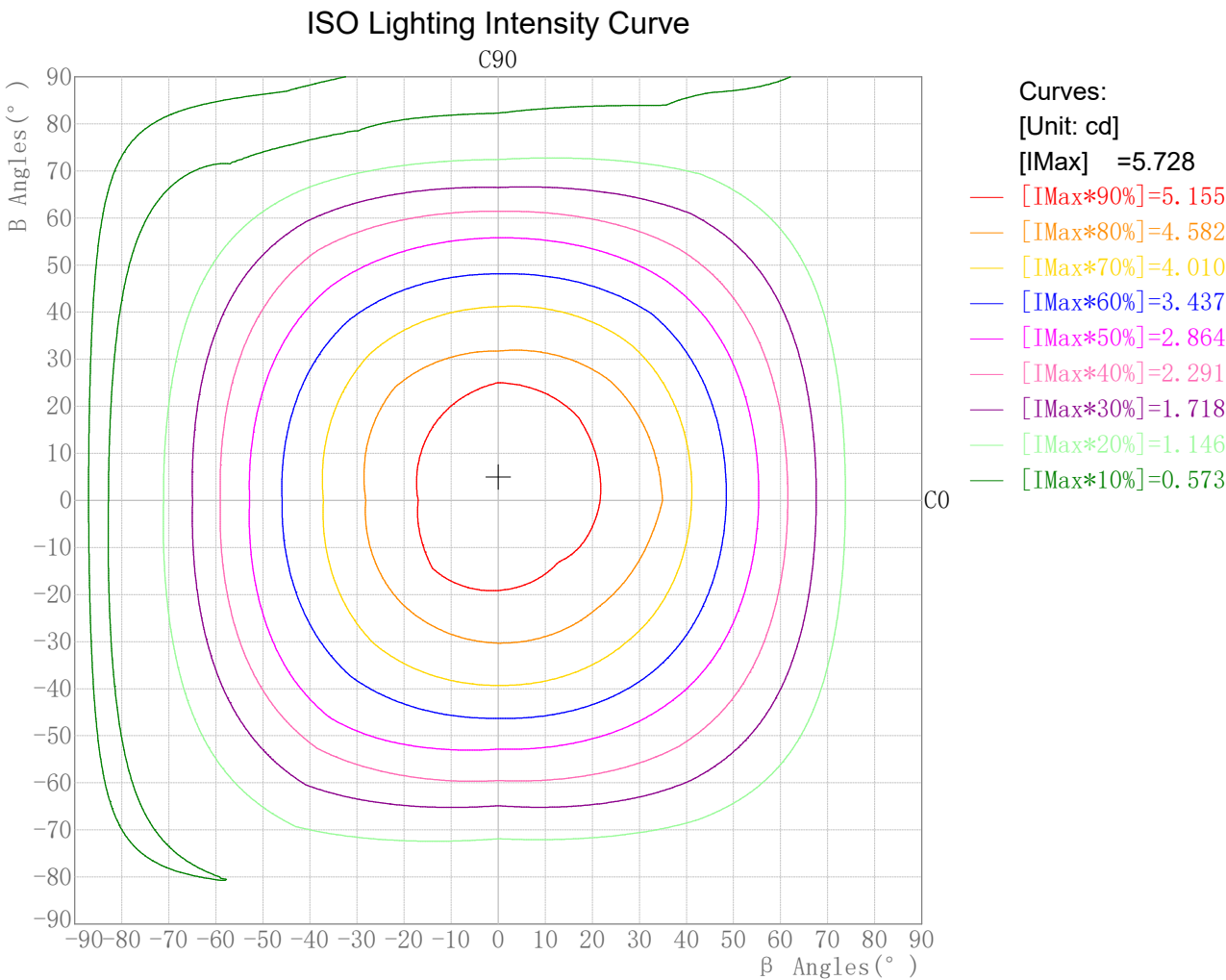


Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-5. 0	0. 13	0. 13	0. 66	0. 66
5. 0-10. 0	0. 40	0. 53	1. 95	2. 61
10. 0-15. 0	0. 65	1. 18	3. 17	5. 79
15. 0-20. 0	0. 87	2. 05	4. 27	10. 06
20. 0-25. 0	1. 06	3. 11	5. 23	15. 29
25. 0-30. 0	1. 22	4. 32	5. 98	21. 27
30. 0-35. 0	1. 33	5. 65	6. 54	27. 81
35. 0-40. 0	1. 40	7. 05	6. 89	34. 69
40. 0-45. 0	1. 42	8. 47	6. 99	41. 68
45. 0-50. 0	1. 39	9. 87	6. 85	48. 53
50. 0-55. 0	1. 32	11. 19	6. 51	55. 04
55. 0-60. 0	1. 21	12. 40	5. 96	61. 00
60. 0-65. 0	1. 04	13. 45	5. 14	66. 14
65. 0-70. 0	0. 84	14. 29	4. 13	70. 27
70. 0-75. 0	0. 63	14. 91	3. 09	73. 36
75. 0-80. 0	0. 46	15. 37	2. 25	75. 61
80. 0-85. 0	0. 36	15. 73	1. 75	77. 36
85. 0-90. 0	0. 33	16. 06	1. 65	79. 01
90. 0-95. 0	0. 33	16. 40	1. 65	80. 65
95. 0-100. 0	0. 34	16. 74	1. 67	82. 32
100. 0-105. 0	0. 34	17. 08	1. 69	84. 01
105. 0-110. 0	0. 33	17. 41	1. 60	85. 61
110. 0-115. 0	0. 31	17. 72	1. 55	87. 16
115. 0-120. 0	0. 32	18. 04	1. 56	88. 72
120. 0-125. 0	0. 32	18. 36	1. 59	90. 31
125. 0-130. 0	0. 32	18. 68	1. 55	91. 86
130. 0-135. 0	0. 34	19. 01	1. 67	93. 53
135. 0-140. 0	0. 31	19. 32	1. 50	95. 03
140. 0-145. 0	0. 23	19. 55	1. 15	96. 18
145. 0-150. 0	0. 20	19. 75	0. 97	97. 16
150. 0-155. 0	0. 17	19. 92	0. 83	97. 99
155. 0-160. 0	0. 14	20. 06	0. 71	98. 70
160. 0-165. 0	0. 11	20. 18	0. 56	99. 25
165. 0-170. 0	0. 08	20. 26	0. 41	99. 66
170. 0-175. 0	0. 05	20. 31	0. 25	99. 91
175. 0-180. 0	0. 02	20. 33	0. 08	100. 00

Rectangle ISO Lighting Intensity Diagram

Lum. Name: WL-MT	Lum. Catelog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29

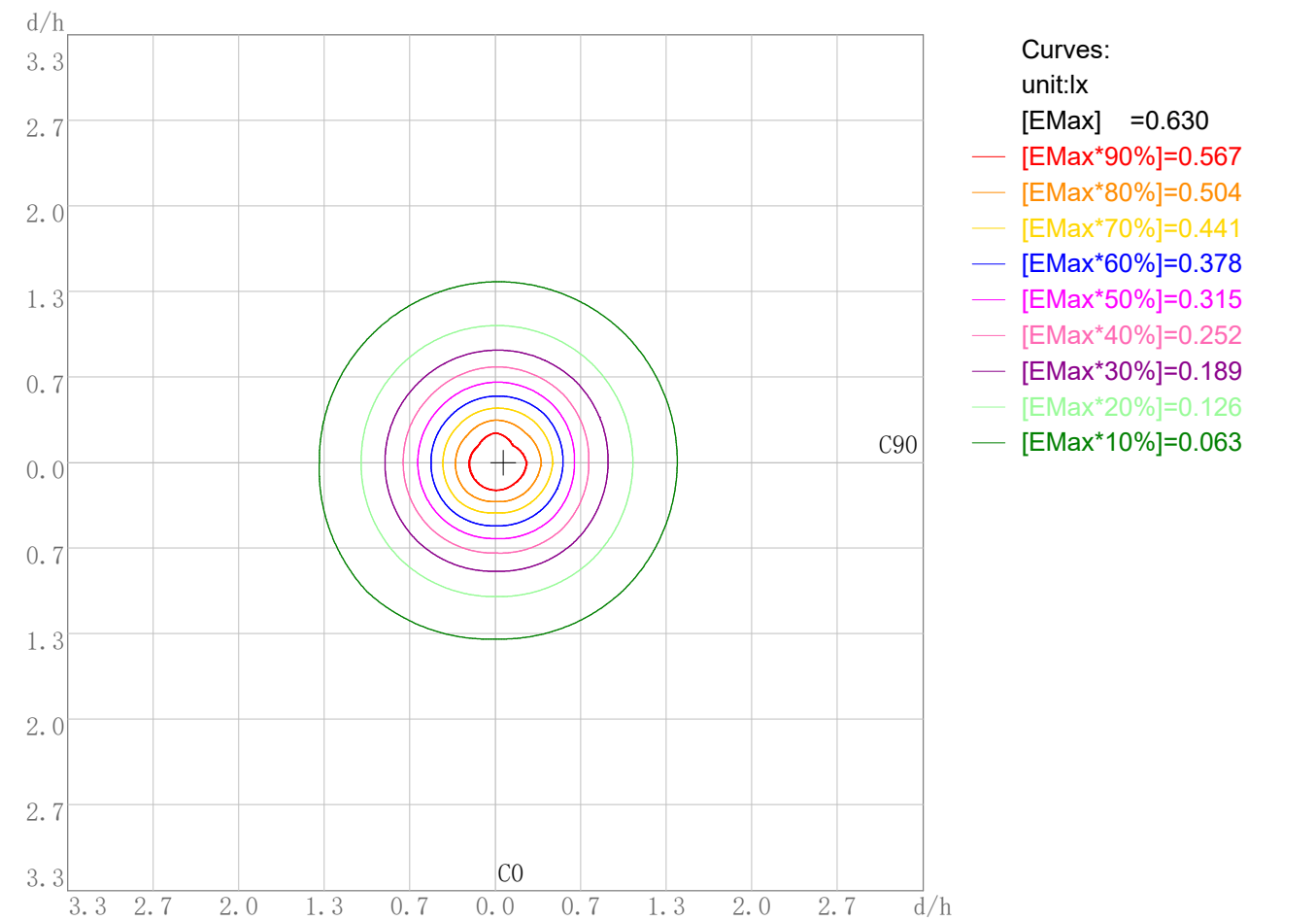


Maximum Light Intensity(cd): 5.73
Maximum Cand.@Angle: H=0.0°,V=5.0°

Plane ISO-Illuminance Diagram

Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29

Plane ISO-Illuminance Curve

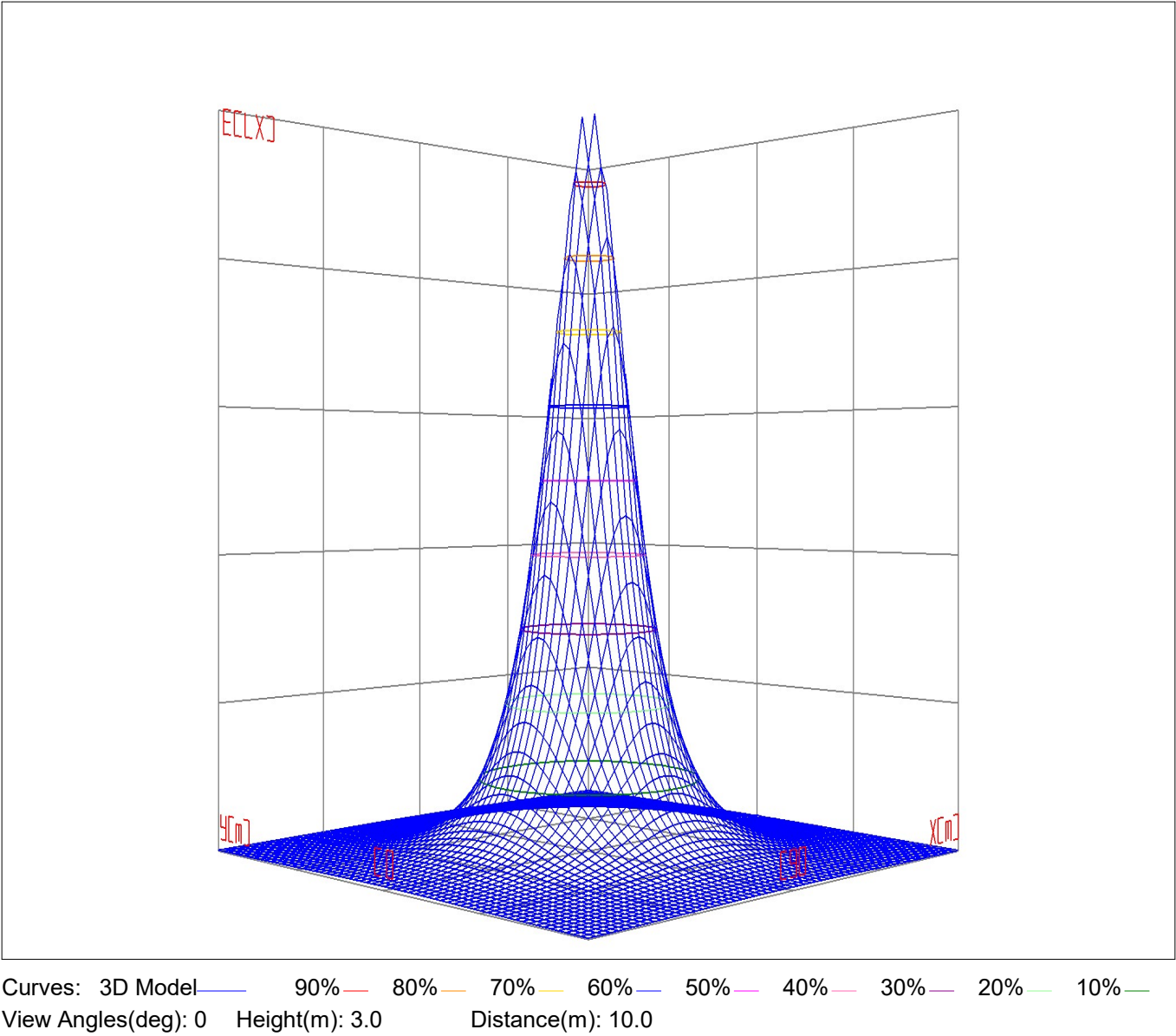


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 0.63
Working Plane Maximum Illuminance Position(d/h):H0.1 V0.0

3D Plane ISO Illuminance Diagram

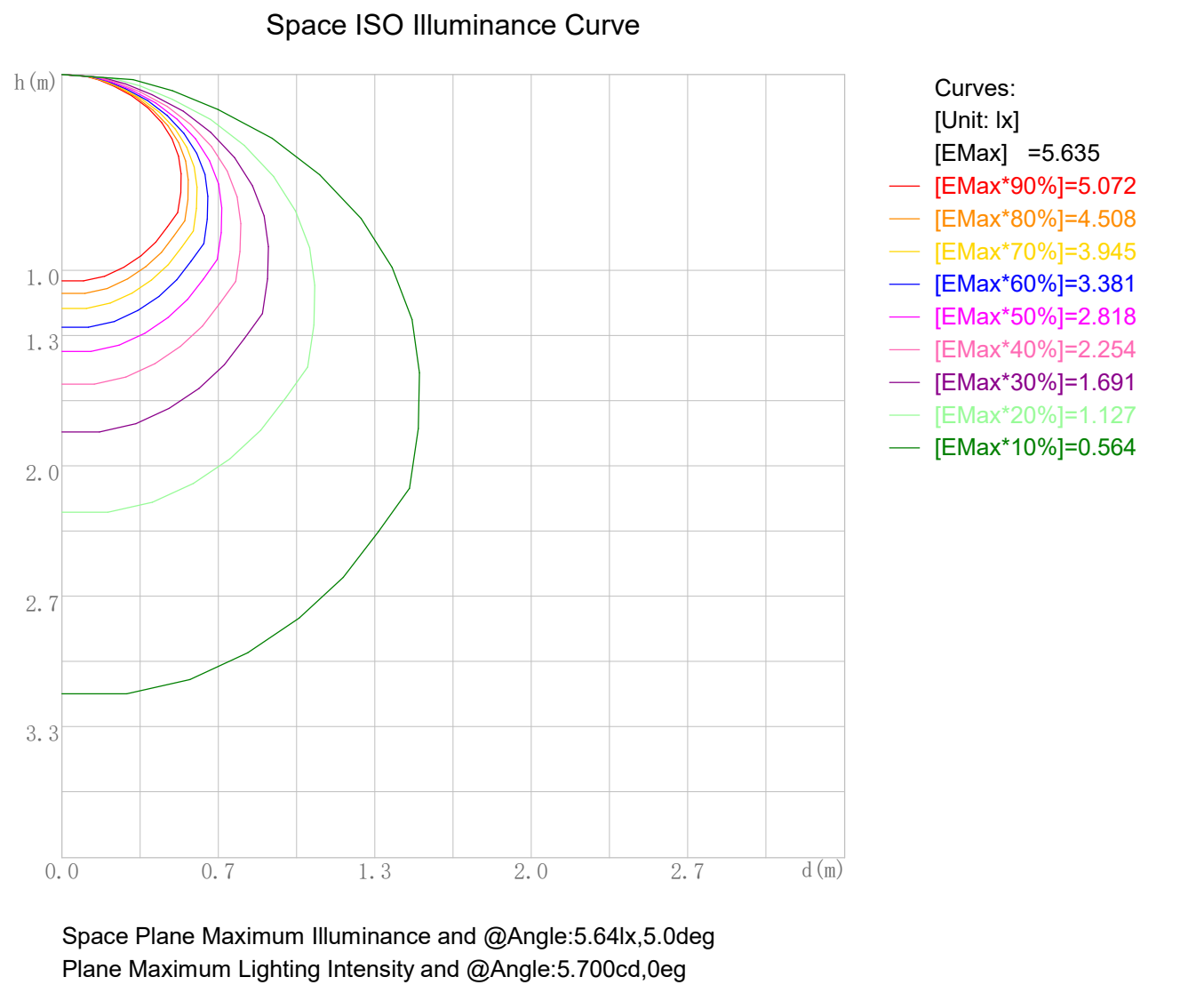
Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29

3D Plane Illuminance Modal



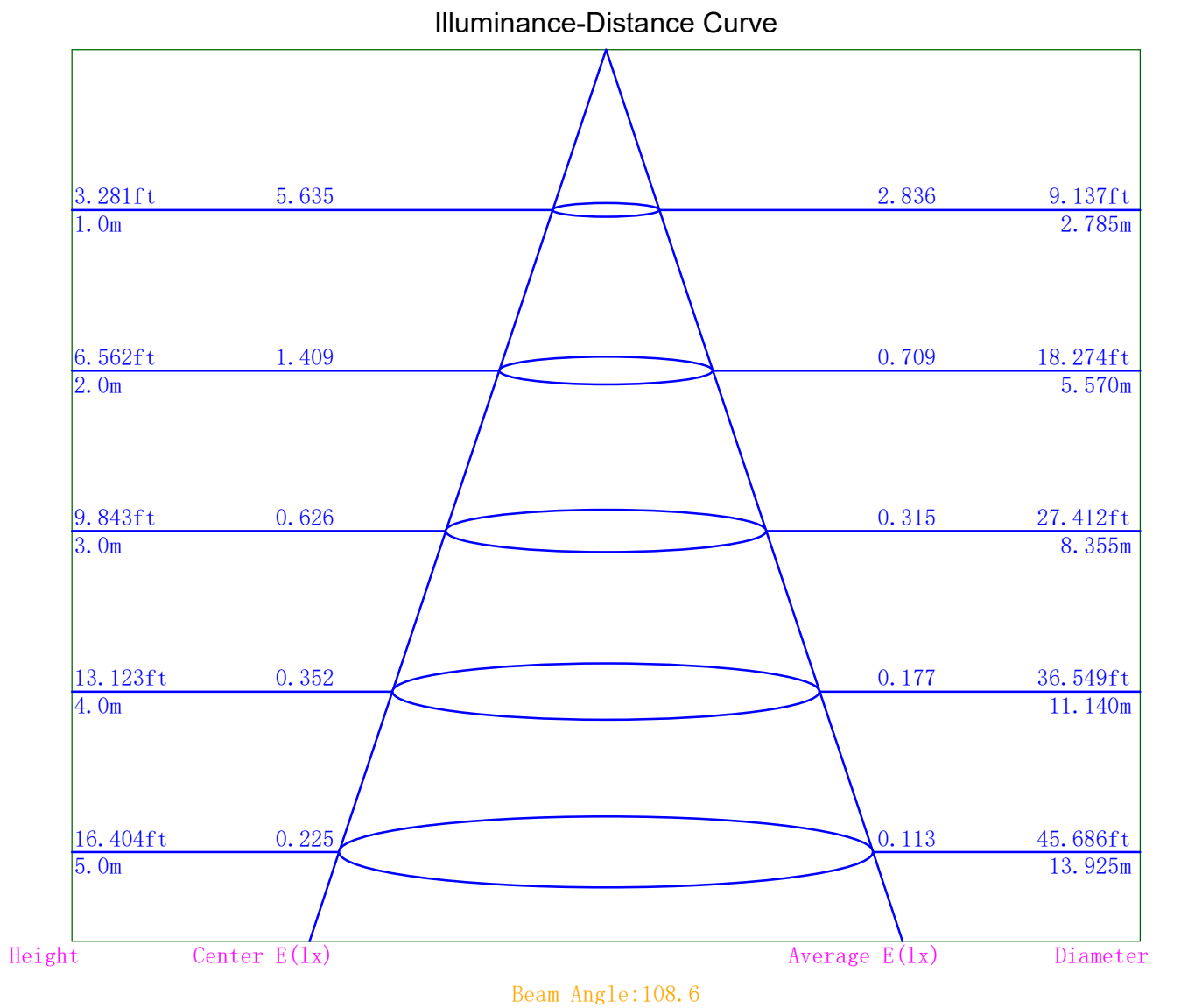
Space ISO Illuminance Diagram

Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29



Illuminance-Distance Diagram

Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29



Indoor Luminance Limiting Curves

Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29

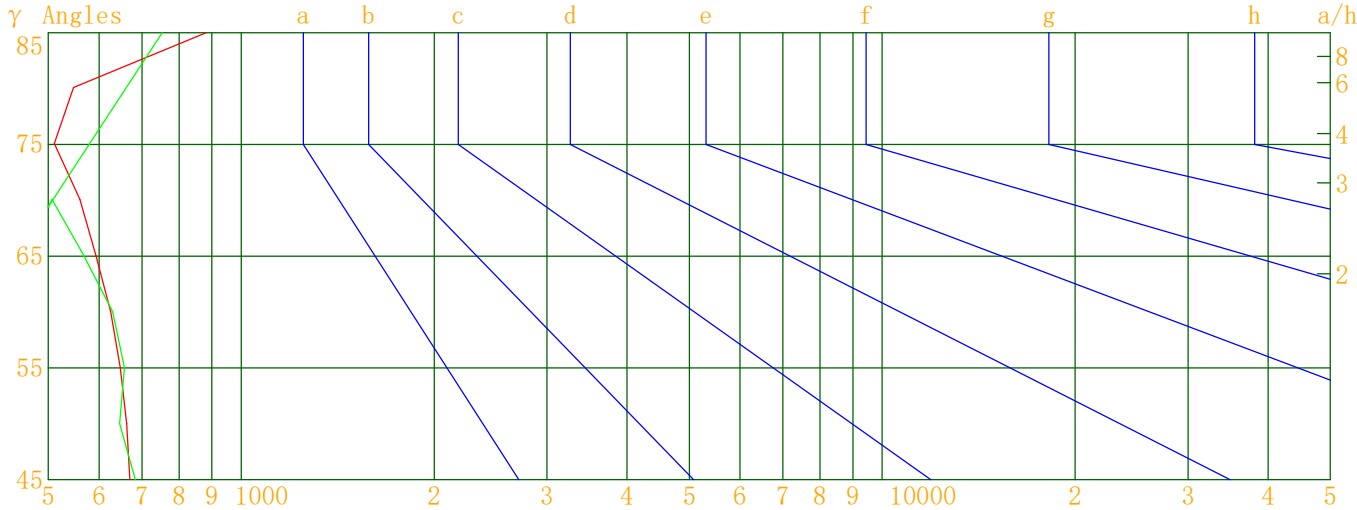
Glare Grade Table

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	670	663	648	626	593	560	511	548	881
C90	684	646	657	630	568	507	458	460	753

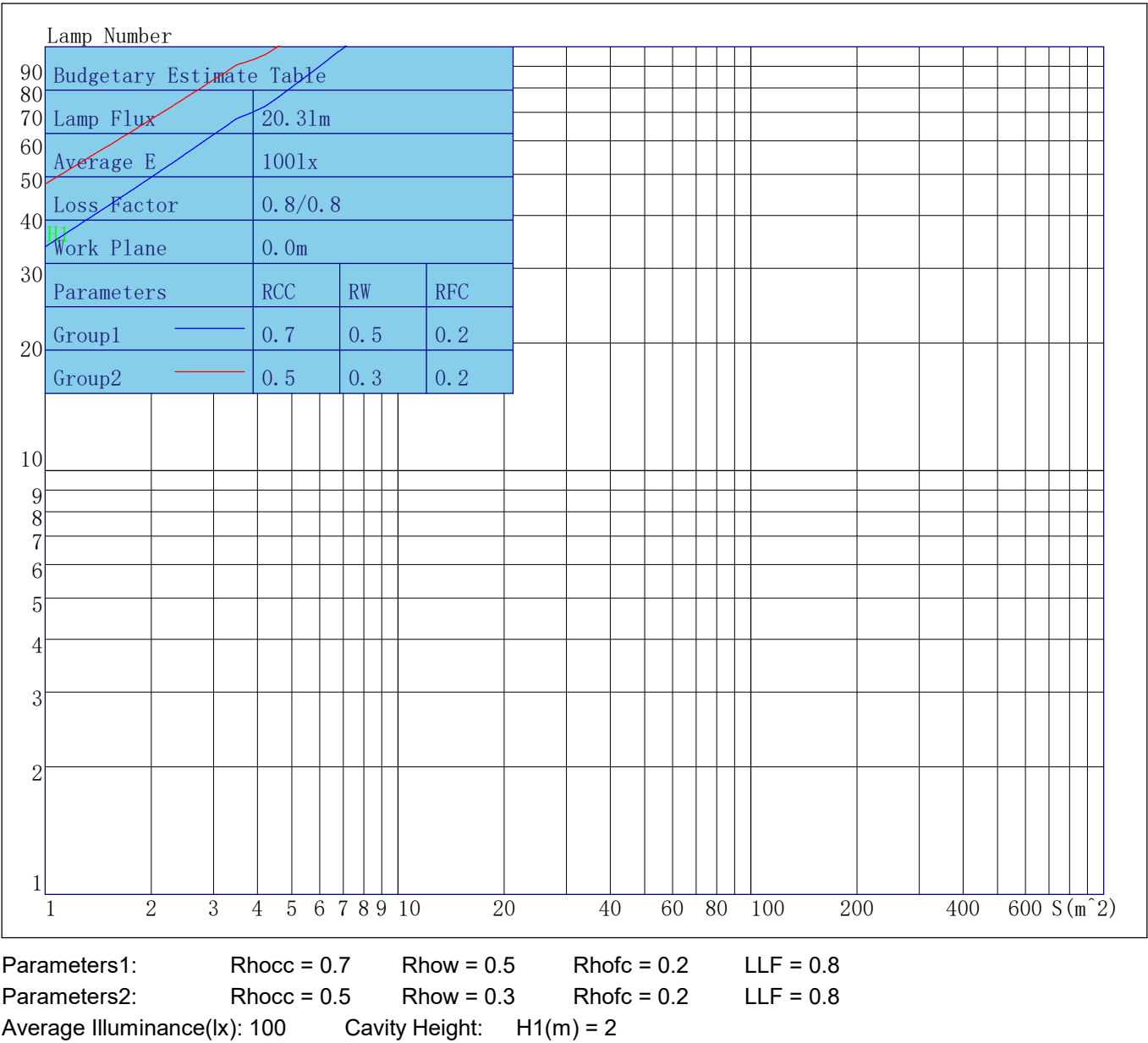
Luminance Limiting Curve



Luminous Size: Length(m)=0.060 Width(m)=0.060 Height(m)=0.070 Area(m^2)=0.007800
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29



Indoor Coefficient of Utilization Table

Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29

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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79
1	103	98	94	90	99	94	90	87	86	83	80	79	76	74	72	70	68	65
2	94	86	79	73	89	82	76	71	75	70	66	69	65	61	63	60	57	54
3	86	75	67	61	81	72	65	59	66	60	55	61	56	52	56	52	48	45
4	78	67	58	51	74	64	56	50	59	52	47	54	49	44	50	45	41	39
5	72	59	51	44	68	57	49	43	53	46	41	48	43	38	45	40	36	33
6	66	53	45	38	63	51	43	37	47	41	35	44	38	34	40	35	32	29
7	61	48	40	34	58	47	39	33	43	36	31	40	34	30	37	32	28	26
8	57	44	36	30	54	42	35	29	39	33	28	37	31	27	34	29	25	23
9	53	40	32	27	51	39	31	26	36	30	25	34	28	24	31	26	23	21
10	50	37	29	24	48	36	29	24	33	27	23	31	26	22	29	24	21	19

Unified Glare Rating Table

Lum. Name: WL-MT	Lum. Catalog:	Test ID: ALDG20251029006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2025/10/29

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	25.3	26.5	24.8	25.9	26.5	25.4	26.5	24.8	25.9	26.6
	26.9	27.9	26.5	27.5	28.1	26.7	27.7	26.3	27.3	28.0
	27.5	28.5	27.2	28.1	28.8	27.2	28.2	26.9	27.8	28.5
	28.1	29.0	27.9	28.8	29.5	27.7	28.6	27.4	28.3	29.0
	28.5	29.4	28.3	29.1	29.9	27.9	28.8	27.7	28.6	29.3
	29.0	29.8	28.8	29.6	30.4	28.3	29.1	28.1	28.9	29.7
X=4H Y=2H	25.0	26.0	24.7	25.6	26.3	25.0	26.0	24.7	25.6	26.4
	26.6	27.5	26.5	27.3	28.0	26.4	27.2	26.3	27.1	27.8
	27.4	28.1	27.3	28.1	28.8	27.0	27.7	27.0	27.7	28.5
	28.2	28.8	28.3	28.9	29.7	27.6	28.2	27.6	28.3	29.1
	28.7	29.3	28.9	29.4	30.3	28.0	28.6	28.1	28.7	29.5
	29.4	29.9	29.6	30.1	31.0	28.5	29.0	28.7	29.2	30.1
X=8H Y=4H	29.4	30.0	29.5	30.1	31.0	29.1	29.7	29.2	29.8	30.6
	30.1	30.6	30.4	30.9	31.8	29.6	30.1	29.9	30.4	31.2
	30.6	31.0	31.0	31.4	32.3	30.0	30.4	30.3	30.7	31.6
	31.3	31.6	31.7	32.1	33.0	30.5	30.9	30.9	31.3	32.2
X=12H Y=4H	29.6	30.1	29.8	30.3	31.1	29.3	29.8	29.5	30.0	30.9
	30.4	30.8	30.8	31.2	32.1	29.9	30.4	30.3	30.7	31.6
	31.0	31.4	31.4	31.8	32.7	30.4	30.8	30.8	31.2	32.1
Variations with the objerver position at spacings										
S=1.0H	0.4/-0.4					0.5/-0.5				
S=1.5H	1.0/-0.9					1.0/-0.9				
S=2.0H	1.0/-0.9					1.2/-1.1				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	4.2					3.8				

le is calculated according to the document STD.CIE 117-1995

Candela Tabulation

V/H	C0. 0	C45. 0	C90. 0	C135. 0	C180. 0	C225. 0	C270. 0	C315. 0
γ 0. 0	5. 64	5. 64	5. 64	5. 64	5. 64	5. 64	5. 64	5. 64
γ 5. 0	5. 70	5. 46	5. 73	5. 50	5. 68	5. 55	5. 65	5. 45
γ 10. 0	5. 63	5. 39	5. 64	5. 49	5. 57	5. 49	5. 50	5. 39
γ 15. 0	5. 45	5. 28	5. 52	5. 45	5. 30	5. 35	5. 28	5. 25
γ 20. 0	5. 23	5. 30	5. 42	5. 18	4. 94	5. 16	5. 13	5. 10
γ 25. 0	4. 99	5. 13	5. 16	4. 92	4. 77	4. 91	4. 85	4. 87
γ 30. 0	4. 73	4. 88	4. 71	4. 71	4. 47	4. 56	4. 60	4. 62
γ 35. 0	4. 58	4. 53	4. 34	4. 40	4. 15	4. 27	4. 28	4. 35
γ 40. 0	4. 10	4. 26	4. 08	4. 04	3. 83	3. 97	3. 97	3. 99
γ 45. 0	3. 70	3. 74	3. 77	3. 69	3. 52	3. 58	3. 55	3. 63
γ 50. 0	3. 32	3. 41	3. 24	3. 28	3. 09	3. 27	3. 10	3. 22
γ 55. 0	2. 90	2. 97	2. 94	2. 88	2. 69	2. 94	2. 68	2. 76
γ 60. 0	2. 44	2. 49	2. 46	2. 46	2. 20	2. 45	2. 25	2. 40
γ 65. 0	1. 96	2. 02	1. 87	2. 02	1. 71	1. 97	1. 71	1. 97
γ 70. 0	1. 50	1. 58	1. 35	1. 34	1. 24	1. 56	1. 29	1. 45
γ 75. 0	1. 03	1. 15	0. 92	0. 91	0. 82	1. 15	0. 91	1. 05
γ 80. 0	0. 74	0. 79	0. 62	0. 55	0. 63	0. 83	0. 77	0. 78
γ 85. 0	0. 60	0. 59	0. 51	0. 55	0. 53	0. 59	0. 65	0. 75
γ 90. 0	0. 60	0. 56	0. 54	0. 59	0. 64	0. 66	0. 63	0. 80
γ 95. 0	0. 52	0. 55	0. 57	0. 60	0. 56	0. 68	0. 52	0. 78
γ 100. 0	0. 55	0. 59	0. 59	0. 63	0. 68	0. 72	0. 66	0. 78
γ 105. 0	0. 52	0. 53	0. 61	0. 65	0. 67	0. 73	0. 62	0. 75
γ 110. 0	0. 56	0. 57	0. 65	0. 59	0. 63	0. 54	0. 73	0. 63
γ 115. 0	0. 62	0. 58	0. 57	0. 64	0. 58	0. 67	0. 79	0. 57
γ 120. 0	0. 74	0. 63	0. 76	0. 62	0. 76	0. 58	0. 77	0. 57
γ 125. 0	0. 71	0. 68	0. 78	0. 60	0. 78	0. 62	0. 80	0. 77
γ 130. 0	0. 77	0. 73	0. 79	0. 59	0. 82	0. 64	0. 80	0. 71
γ 135. 0	0. 75	0. 75	0. 86	0. 58	0. 80	0. 67	2. 42	0. 73
γ 140. 0	0. 74	0. 85	0. 71	0. 59	0. 80	0. 69	0. 57	0. 69
γ 145. 0	0. 64	0. 87	0. 71	0. 61	0. 82	0. 70	0. 60	0. 66
γ 150. 0	0. 79	0. 71	0. 74	0. 69	0. 35	0. 60	0. 58	0. 68
γ 155. 0	0. 80	0. 73	0. 75	0. 68	0. 69	0. 59	0. 66	0. 65
γ 160. 0	0. 84	0. 75	0. 55	0. 64	0. 68	0. 58	0. 70	0. 65
γ 165. 0	0. 77	0. 90	0. 65	0. 70	0. 65	0. 57	0. 70	0. 63
γ 170. 0	0. 88	0. 83	0. 73	0. 75	0. 62	0. 69	0. 65	0. 60
γ 175. 0	0. 64	0. 84	0. 72	0. 77	0. 66	0. 61	0. 66	0. 71
γ 180. 0	0. 71	0. 71	0. 71	0. 71	0. 71	0. 71	0. 71	0. 71