

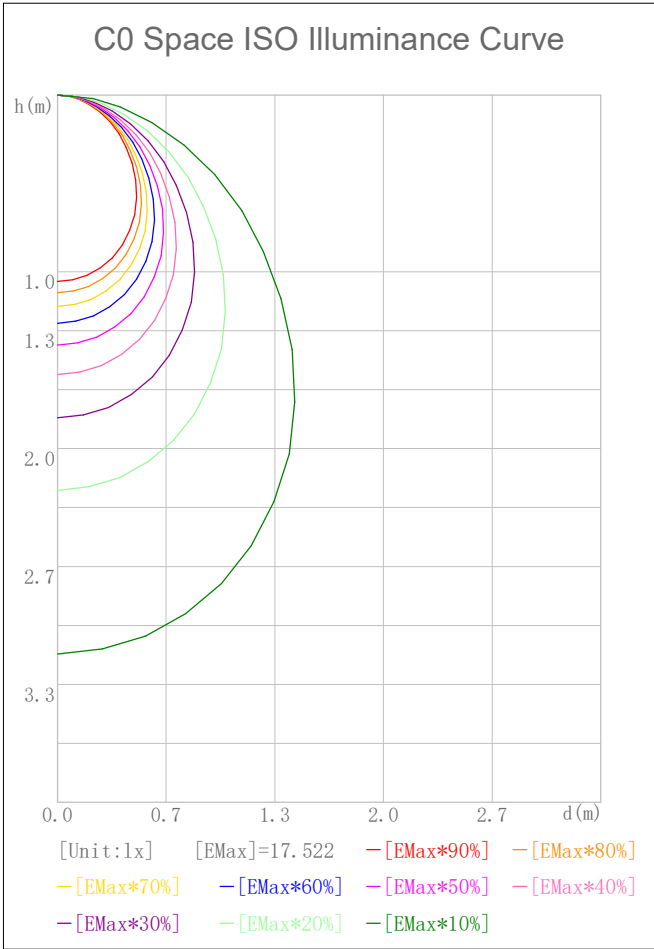
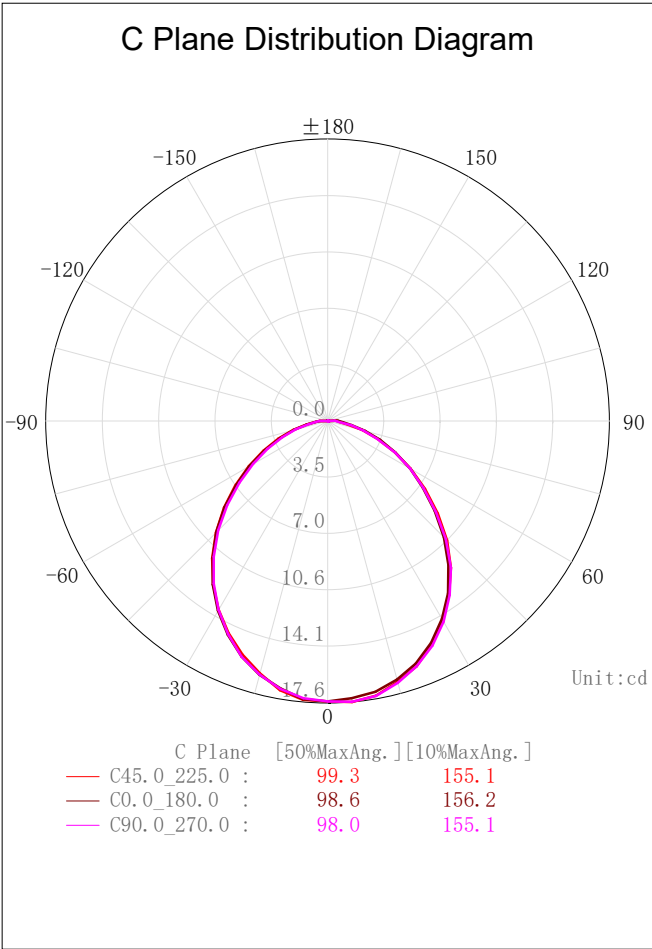
Indoor Luminaire Photometric Data

Description Information

Luminary Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Date: 2026/04/16
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H): 0.080m*0.142m*0.065m	Lum. Area (m2): 0.021	Lum. W (kg):
Test System: C, γ	Test Step: C=45.0 γ=5.0	Temp. (°C):
		Humidity(%):

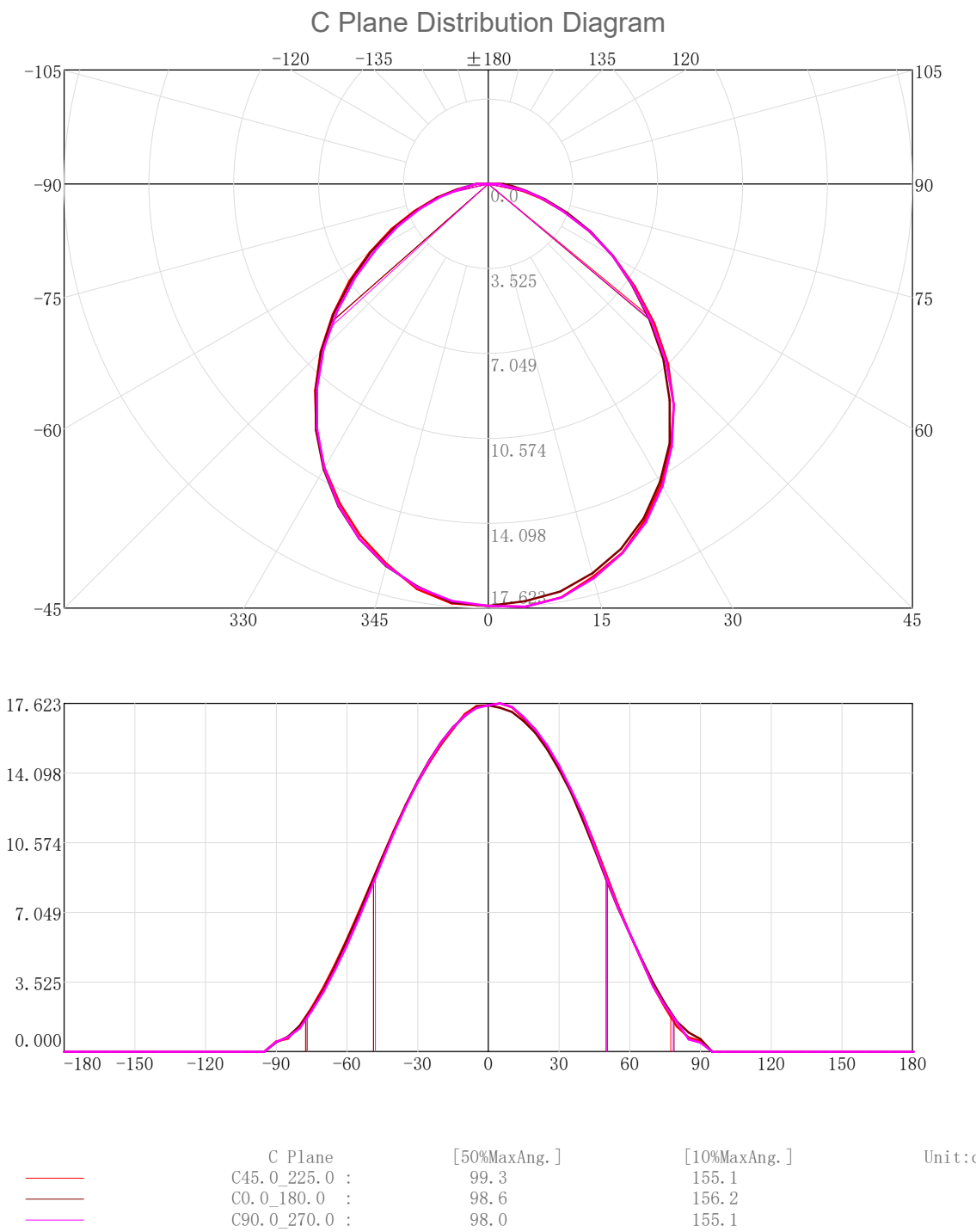
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 43.580	Luminary Flux(lm): 43.580	Field Angle(10%Imax): 155.1(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 43.441lm 99.68%
Rated Voltage(V): 12	Luminary EER(lm/W): 72.634	Up Lumens&Percent: 0.140lm 0.32%
Tested Power(W): 0.600	Max. Candela(cd): 17.623	S/MH: C0_a180=1.191 C90_270=1.196
Lamps' Inside: 1	Max Cand@Ang. (°): C=45.0 γ=5.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf): 12.0, 0.055, 1.000	Beam Angle(50%Imax): 99.3(°)	ErP Φuse(120°): 35.508lm
Lamp Size(W*L*H): 0.080m*0.142m*0.065m	Left=-48.7°, Right=50.6°	IRF(%): 118.094



2D Plane Light Intensity Distribution Curve

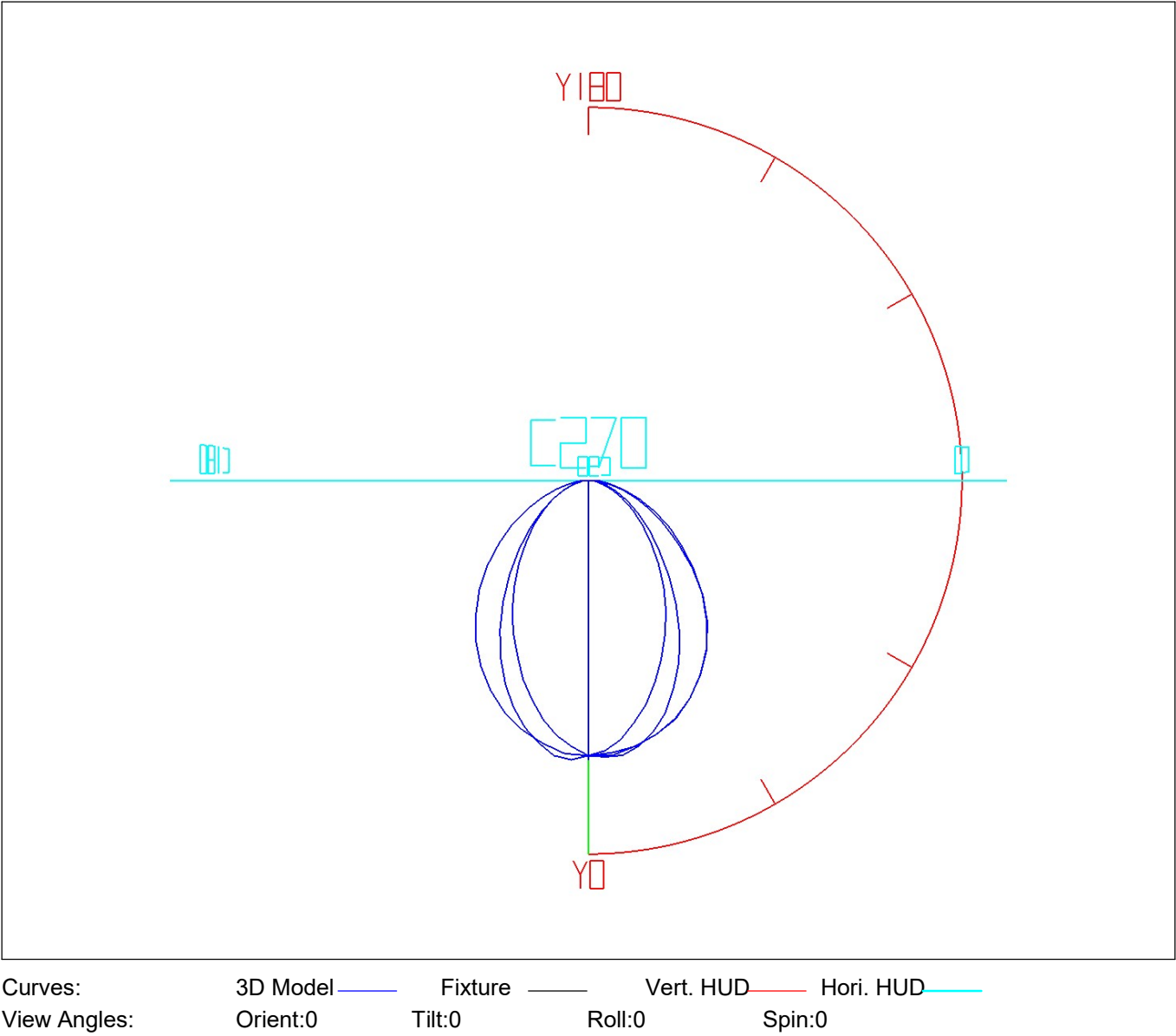
Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



3D Light Intensity Distribution Modal

Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

3D Light Intensity Distribution Modal

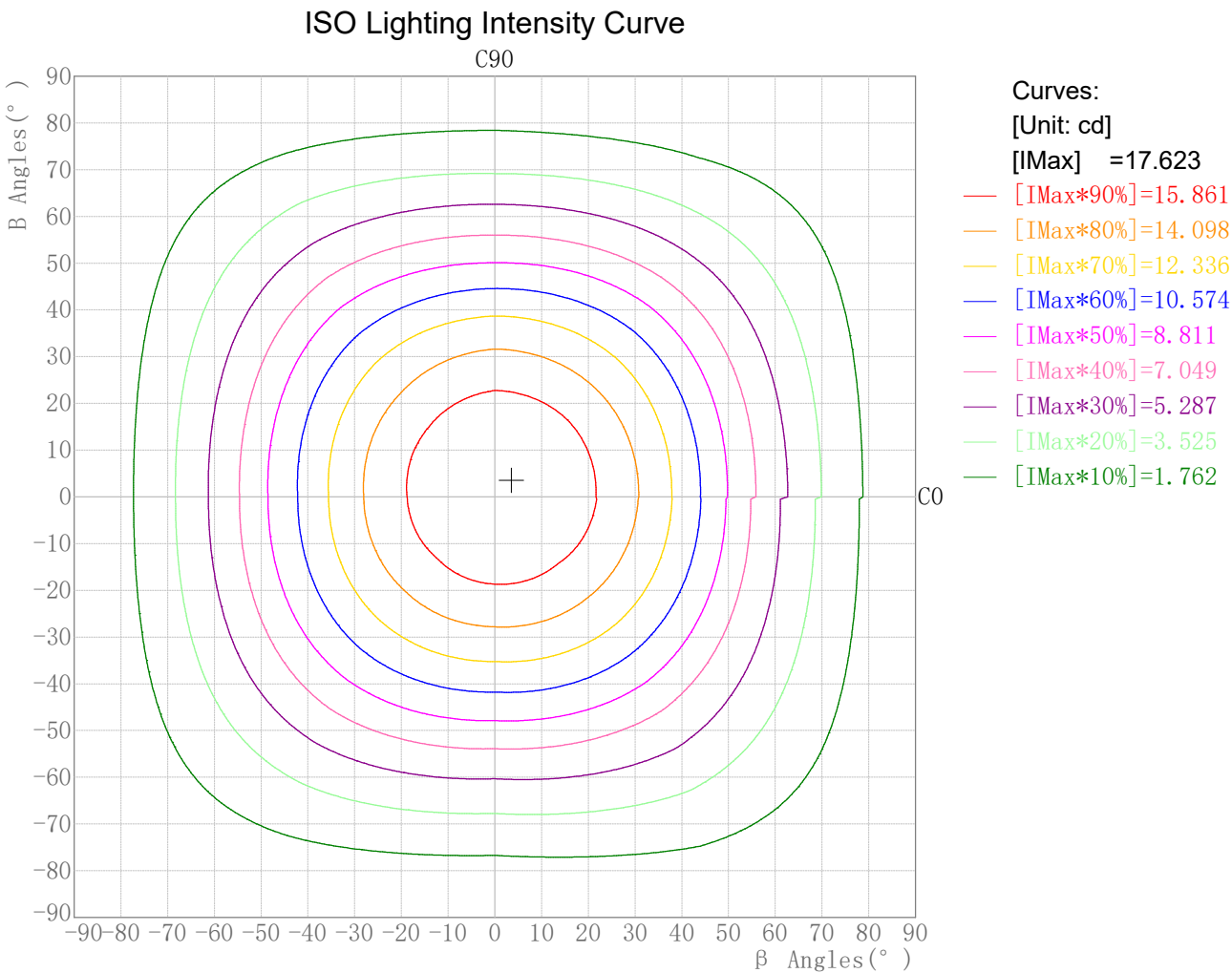


Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-5. 0	0. 42	0. 42	0. 96	0. 96
5. 0-10. 0	1. 24	1. 66	2. 84	3. 80
10. 0-15. 0	2. 00	3. 66	4. 60	8. 40
15. 0-20. 0	2. 68	6. 34	6. 15	14. 55
20. 0-25. 0	3. 25	9. 59	7. 45	22. 00
25. 0-30. 0	3. 68	13. 26	8. 43	30. 44
30. 0-35. 0	3. 95	17. 22	9. 07	39. 51
35. 0-40. 0	4. 07	21. 29	9. 34	48. 85
40. 0-45. 0	4. 01	25. 30	9. 21	58. 06
45. 0-50. 0	3. 79	29. 10	8. 71	66. 77
50. 0-55. 0	3. 44	32. 53	7. 89	74. 65
55. 0-60. 0	3. 00	35. 54	6. 89	81. 55
60. 0-65. 0	2. 52	38. 06	5. 78	87. 32
65. 0-70. 0	1. 99	40. 04	4. 56	91. 89
70. 0-75. 0	1. 47	41. 51	3. 37	95. 26
75. 0-80. 0	0. 99	42. 50	2. 27	97. 52
80. 0-85. 0	0. 59	43. 09	1. 35	98. 88
85. 0-90. 0	0. 35	43. 44	0. 81	99. 68
90. 0-95. 0	0. 14	43. 58	0. 32	100. 00
95. 0-100. 0	0. 00	43. 58	0. 00	100. 00
100. 0-105. 0	0. 00	43. 58	0. 00	100. 00
105. 0-110. 0	0. 00	43. 58	0. 00	100. 00
110. 0-115. 0	0. 00	43. 58	0. 00	100. 00
115. 0-120. 0	0. 00	43. 58	0. 00	100. 00
120. 0-125. 0	0. 00	43. 58	0. 00	100. 00
125. 0-130. 0	0. 00	43. 58	0. 00	100. 00
130. 0-135. 0	0. 00	43. 58	0. 00	100. 00
135. 0-140. 0	0. 00	43. 58	0. 00	100. 00
140. 0-145. 0	0. 00	43. 58	0. 00	100. 00
145. 0-150. 0	0. 00	43. 58	0. 00	100. 00
150. 0-155. 0	0. 00	43. 58	0. 00	100. 00
155. 0-160. 0	0. 00	43. 58	0. 00	100. 00
160. 0-165. 0	0. 00	43. 58	0. 00	100. 00
165. 0-170. 0	0. 00	43. 58	0. 00	100. 00
170. 0-175. 0	0. 00	43. 58	0. 00	100. 00
175. 0-180. 0	0. 00	43. 58	0. 00	100. 00

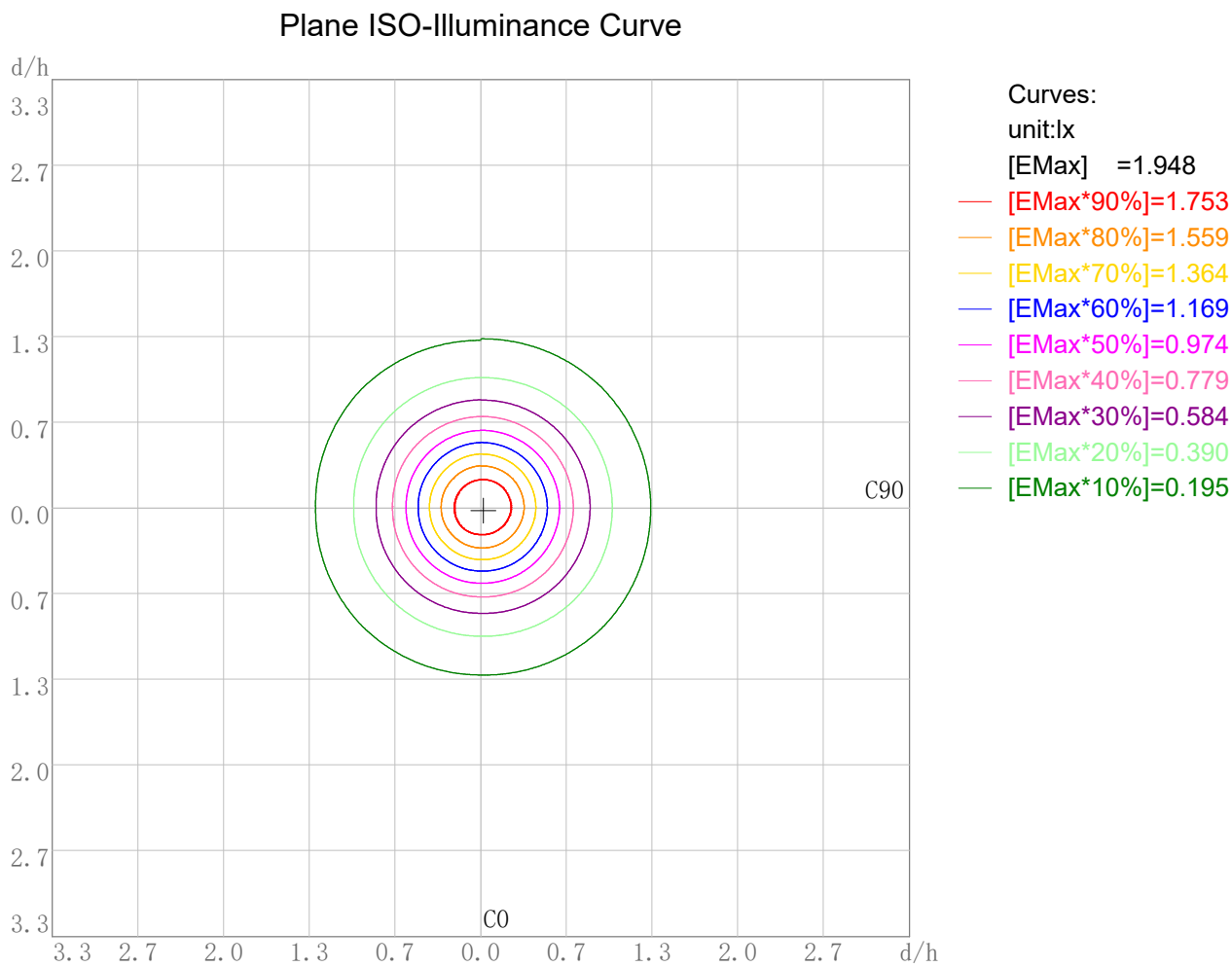
Rectangle ISO Lighting Intensity Diagram

Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



Plane ISO-Illuminance Diagram

Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

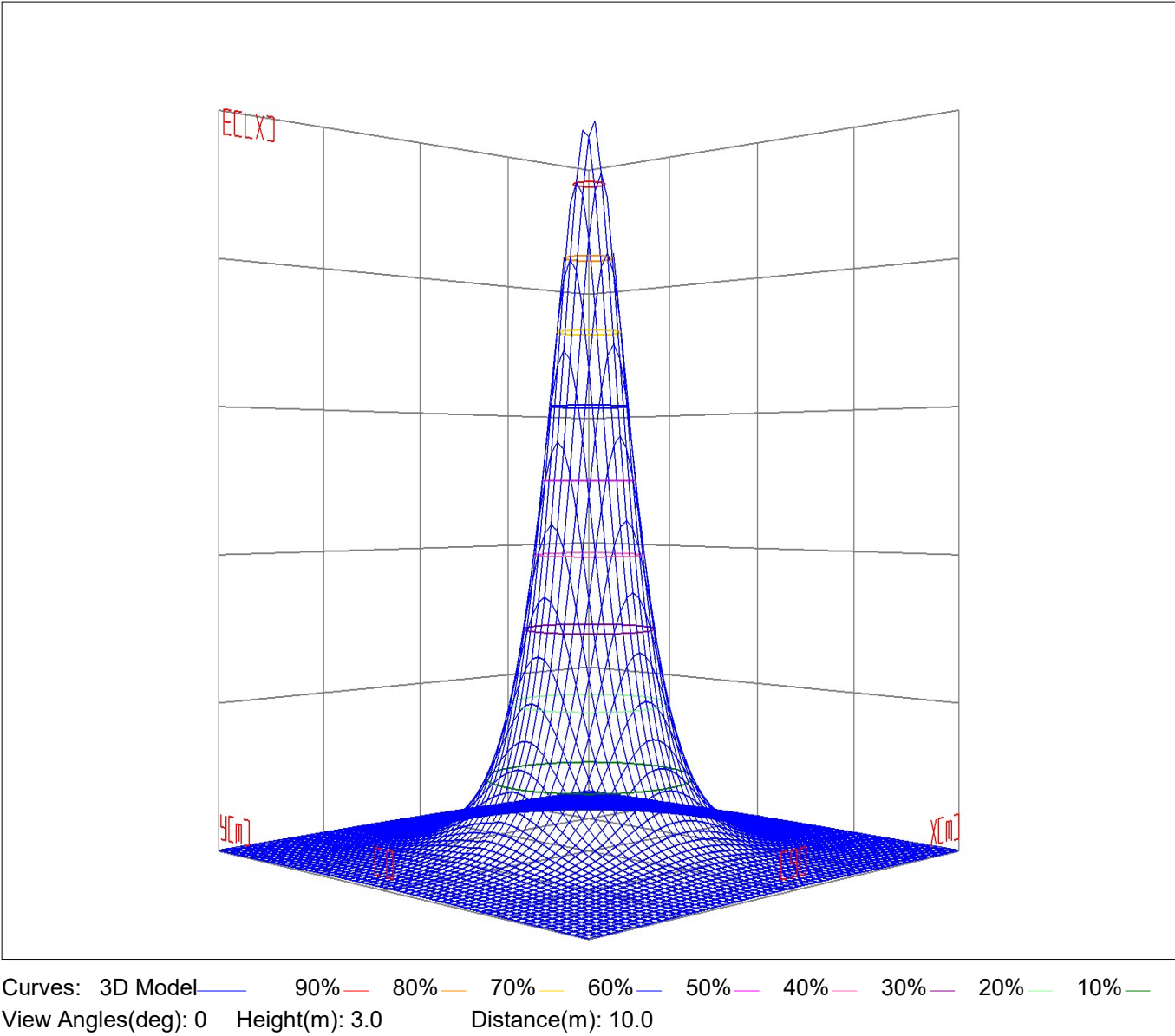


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 1.95
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

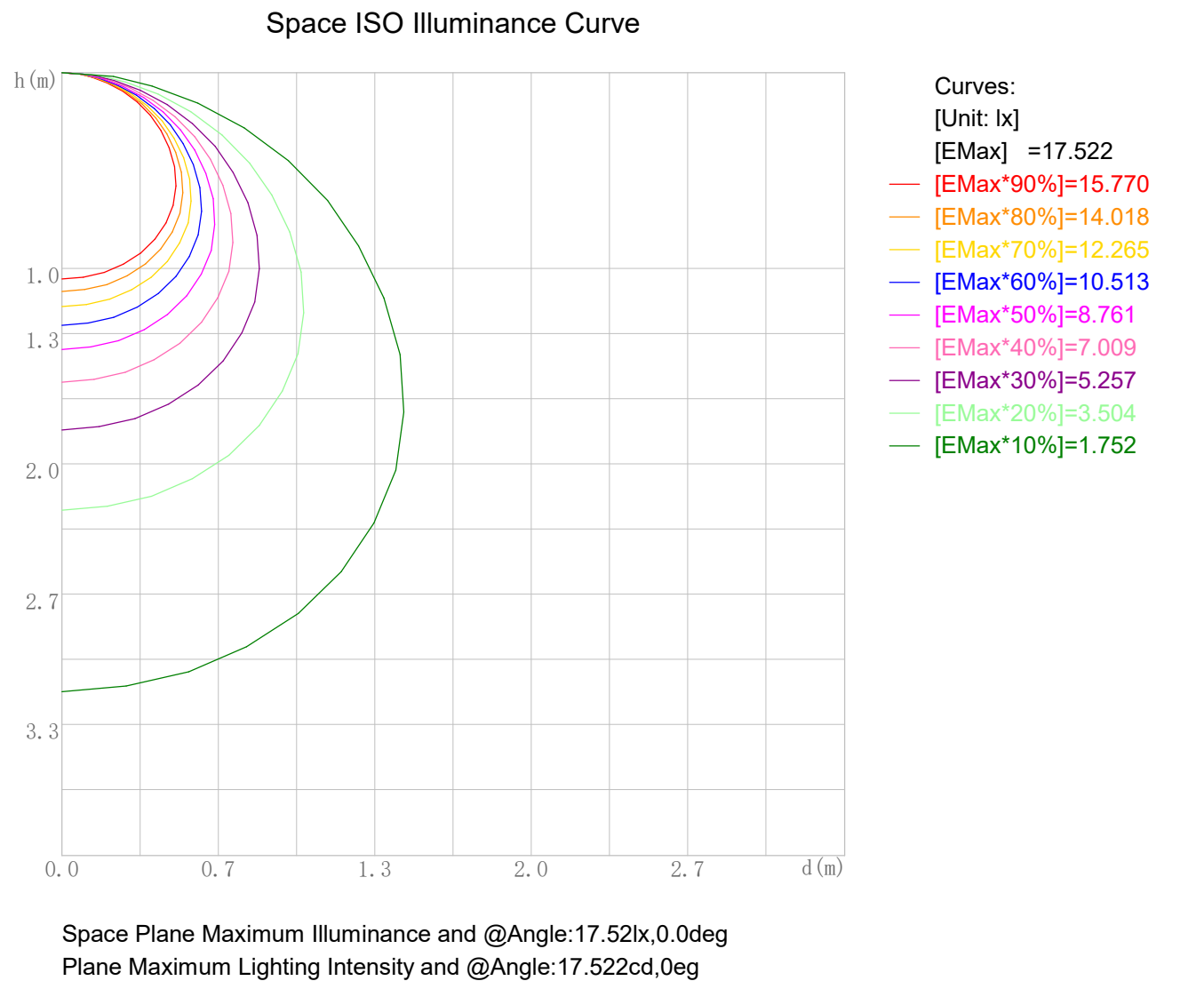
Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

3D Plane Illuminance Modal



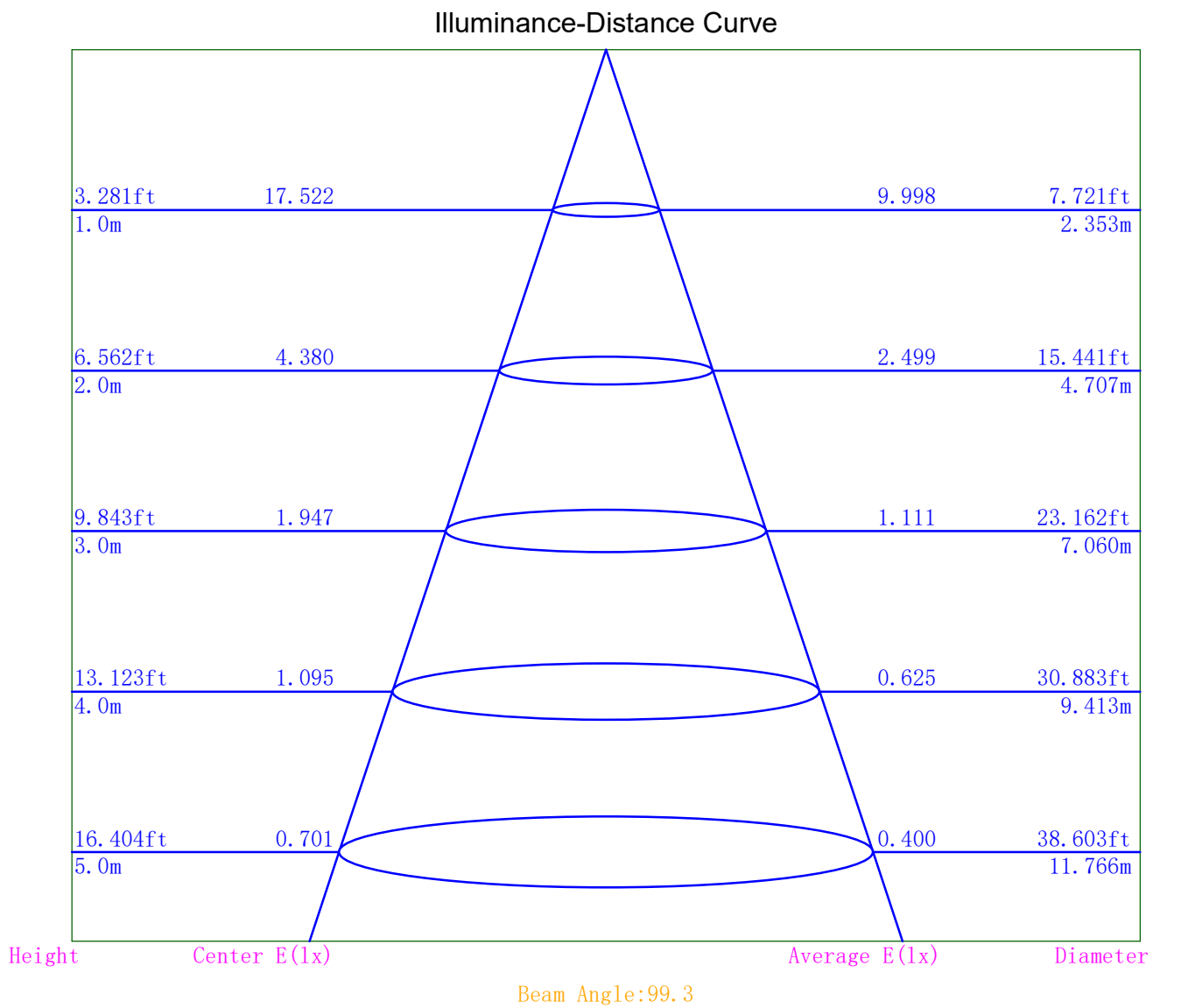
Space ISO Illuminance Diagram

Lum. Name: STB11	Lum. Catelog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



Illuminance-Distance Diagram

Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



Indoor Luminance Limiting Curves

Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

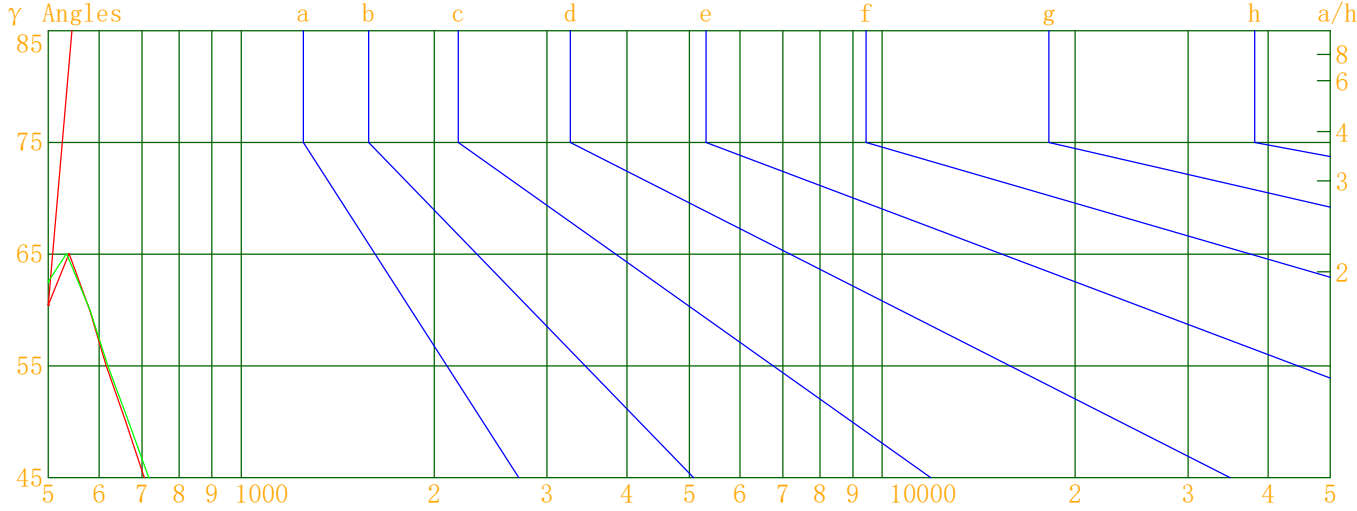
Glare Grade Table

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	706	660	616	580	539	496	456	430	544
C90	717	668	619	580	534	469	437	420	352

Luminance Limiting Curve



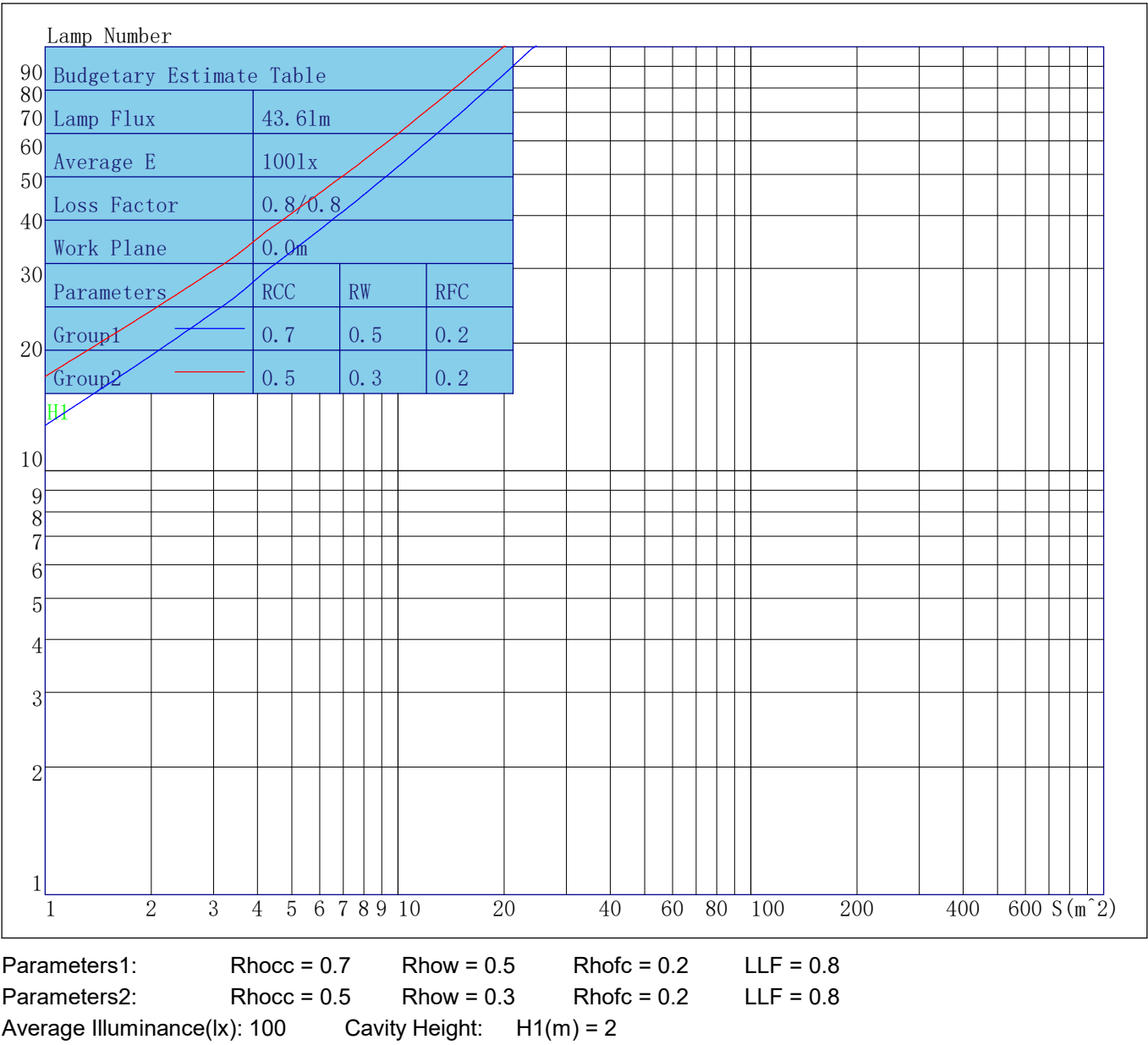
Luminous Size: Length(m)=0.142 Width(m)=0.080 Height(m)=0.065 Area(m^2)=0.020590

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



Indoor Coefficient of Utilization Table

Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

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	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

Unified Glare Rating Table

Lum. Name: STB11	Lum. Catalog:	Test ID: ALDG20260416006
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

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	23.6	25.1	22.6	23.9	24.1	23.9	25.4	22.8	24.1	24.4
	25.0	26.3	24.1	25.2	25.5	25.2	26.6	24.3	25.5	25.7
	25.5	26.8	24.7	25.8	26.1	25.7	27.0	24.9	26.0	26.3
	26.0	27.2	25.3	26.3	26.6	26.2	27.4	25.5	26.5	26.8
	26.2	27.3	25.5	26.5	26.8	26.3	27.5	25.7	26.7	27.0
	26.3	27.4	25.7	26.6	27.0	26.4	27.5	25.8	26.8	27.1
X=4H Y=2H	23.4	24.6	22.6	23.7	24.0	23.6	24.9	22.8	23.9	24.2
	24.8	25.9	24.2	25.1	25.5	25.0	26.1	24.4	25.3	25.7
	25.5	26.4	25.0	25.8	26.2	25.6	26.6	25.1	26.0	26.4
	26.1	26.9	25.7	26.4	26.9	26.2	27.0	25.8	26.6	27.0
	26.3	27.1	26.0	26.7	27.1	26.4	27.2	26.1	26.8	27.2
	26.5	27.2	26.3	26.9	27.4	26.6	27.2	26.4	27.0	27.4
X=8H Y=4H	27.5	28.3	27.2	27.9	28.3	27.6	28.3	27.3	28.0	28.4
	28.0	28.6	27.9	28.5	28.9	28.0	28.6	27.9	28.5	29.0
	28.3	28.8	28.2	28.7	29.2	28.3	28.8	28.2	28.7	29.2
	28.5	29.0	28.6	29.0	29.5	28.4	28.9	28.5	28.9	29.4
X=12H Y=4H	27.6	28.3	27.4	28.0	28.5	27.6	28.3	27.4	28.1	28.5
	28.2	28.7	28.2	28.7	29.1	28.2	28.7	28.2	28.7	29.2
	28.5	29.0	28.6	29.0	29.5	28.5	28.9	28.5	28.9	29.5
Variations with the objerver position at spacings										
S=1.0H	0.7/-0.8					0.8/-0.8				
S=1.5H	1.5/-1.5					1.5/-1.6				
S=2.0H	1.6/-1.6					1.6/-1.7				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	3.5					3.3				

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	17.52	17.52	17.52	17.52	17.52	17.52	17.52	17.52
γ 5.0	17.40	17.62	17.62	17.36	17.45	17.49	17.38	17.31
γ 10.0	17.19	17.43	17.45	17.14	16.97	17.09	17.00	17.06
γ 15.0	16.73	16.88	16.95	16.66	16.42	16.33	16.40	16.51
γ 20.0	16.13	16.30	16.31	15.93	15.68	15.55	15.67	15.81
γ 25.0	15.30	15.41	15.50	15.15	14.75	14.62	14.71	14.97
γ 30.0	14.28	14.38	14.48	14.01	13.68	13.61	13.62	13.89
γ 35.0	13.14	13.23	13.30	12.99	12.49	12.46	12.40	12.80
γ 40.0	11.73	11.99	11.99	11.73	11.15	11.20	11.07	11.54
γ 45.0	10.28	10.56	10.44	10.34	9.82	9.85	9.67	10.09
γ 50.0	8.74	9.00	8.84	8.92	8.40	8.44	8.18	8.64
γ 55.0	7.27	7.42	7.32	7.40	6.94	7.05	6.73	7.17
γ 60.0	5.97	5.98	5.97	6.12	5.63	5.69	5.37	5.94
γ 65.0	4.69	4.62	4.65	4.70	4.30	4.42	4.14	4.67
γ 70.0	3.49	3.32	3.30	3.54	3.13	3.26	3.02	3.54
γ 75.0	2.43	2.24	2.33	2.41	2.14	2.23	2.06	2.50
γ 80.0	1.54	1.27	1.50	1.45	1.31	1.33	1.19	1.60
γ 85.0	0.98	0.73	0.63	0.84	0.76	0.67	0.74	0.82
γ 90.0	0.64	0.54	0.46	0.52	0.48	0.52	0.50	0.43
γ 95.0	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
γ 105.0	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
γ 115.0	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
γ 125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 145.0	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
γ 155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
γ 175.0	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