

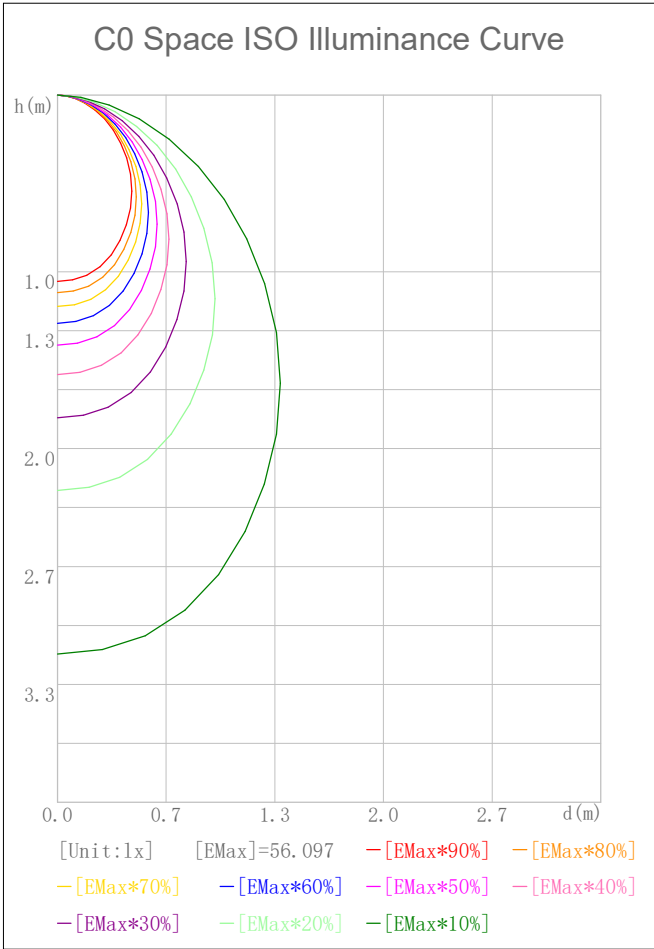
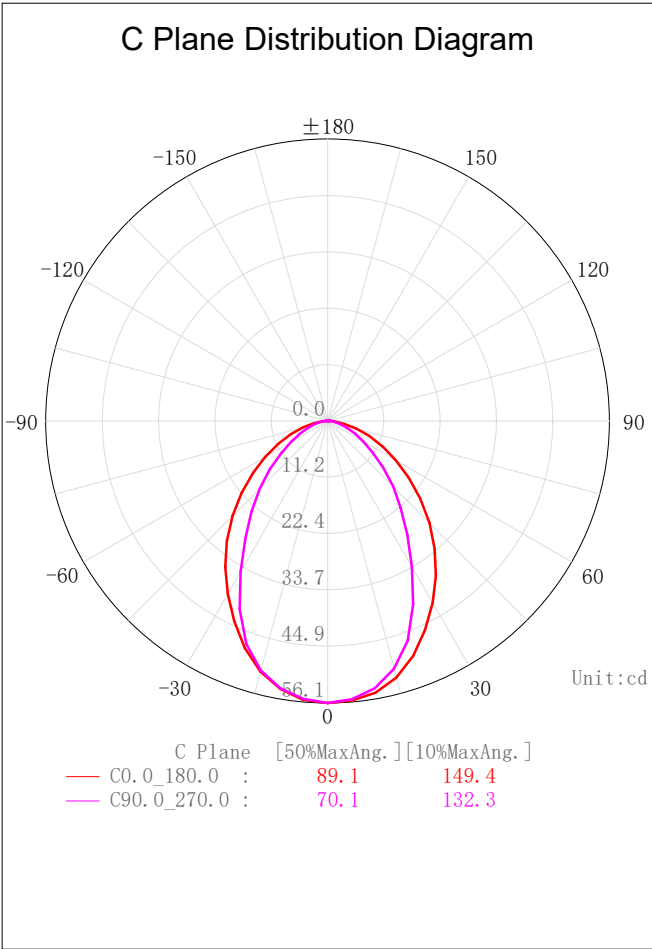
Indoor Luminaire Photometric Data

Description Information

Luminary Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
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): 0.075m*0.240m*0.100m	Lum. Area (m2): 0.042	Lum. W (kg):
Test System: C, γ	Test Step: C=45.0 γ=5.0	Temp. (°C):
		Humidity(%):

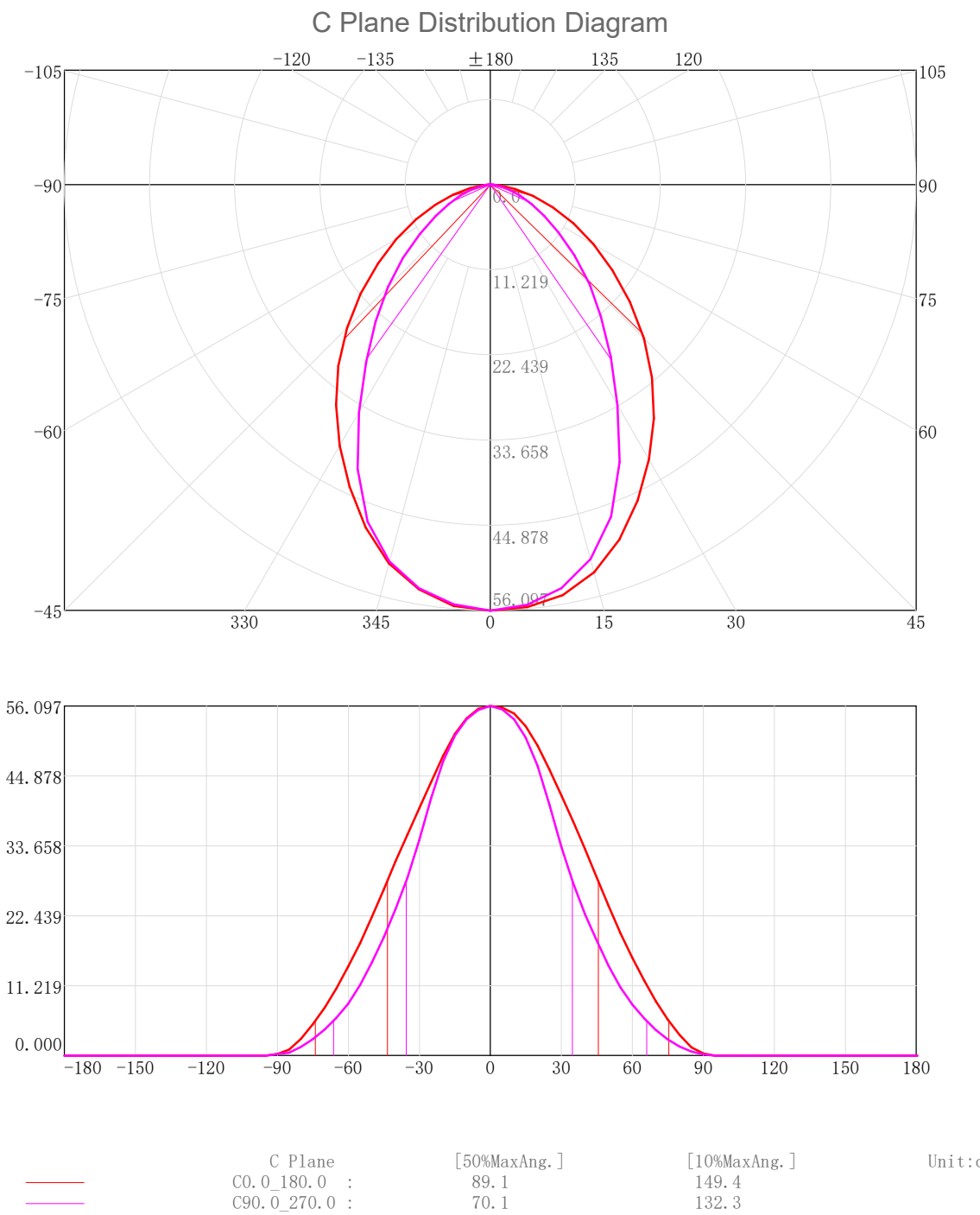
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 103.400	Luminary Flux(lm): 103.403	Field Angle(10%Imax): 149.4(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 103.330lm 99.93%
Rated Voltage(V): 12	Luminary EER(lm/W): 49.240	Up Lumens&Percent: 0.073lm 0.07%
Tested Power(W): 2.100	Max. Candela(cd): 56.097	S/MH: C0_a180=1.102 C90_270=0.993
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=0.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf): 12.0, 0.180, 1.000	Beam Angle(50%Imax): 89.1(°)	ErP Φuse(90°): 68.312lm
Lamp Size(W*L*H): 0.075m*0.240m*0.100m	Left=-43.5°, Right=45.6°	IRF(%): 146.386



2D Plane Light Intensity Distribution Curve

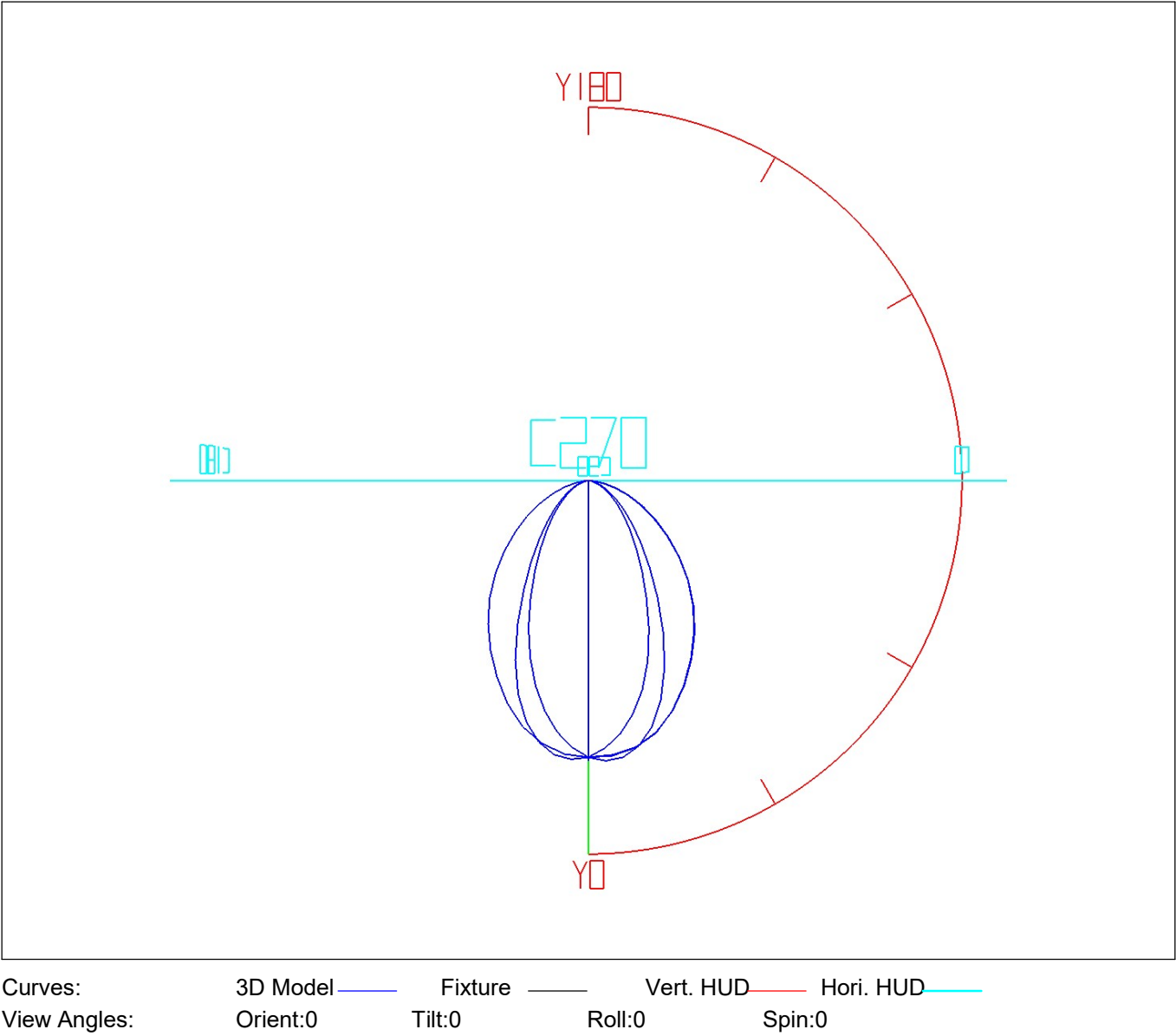
Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



3D Light Intensity Distribution Modal

Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

3D Light Intensity Distribution Modal

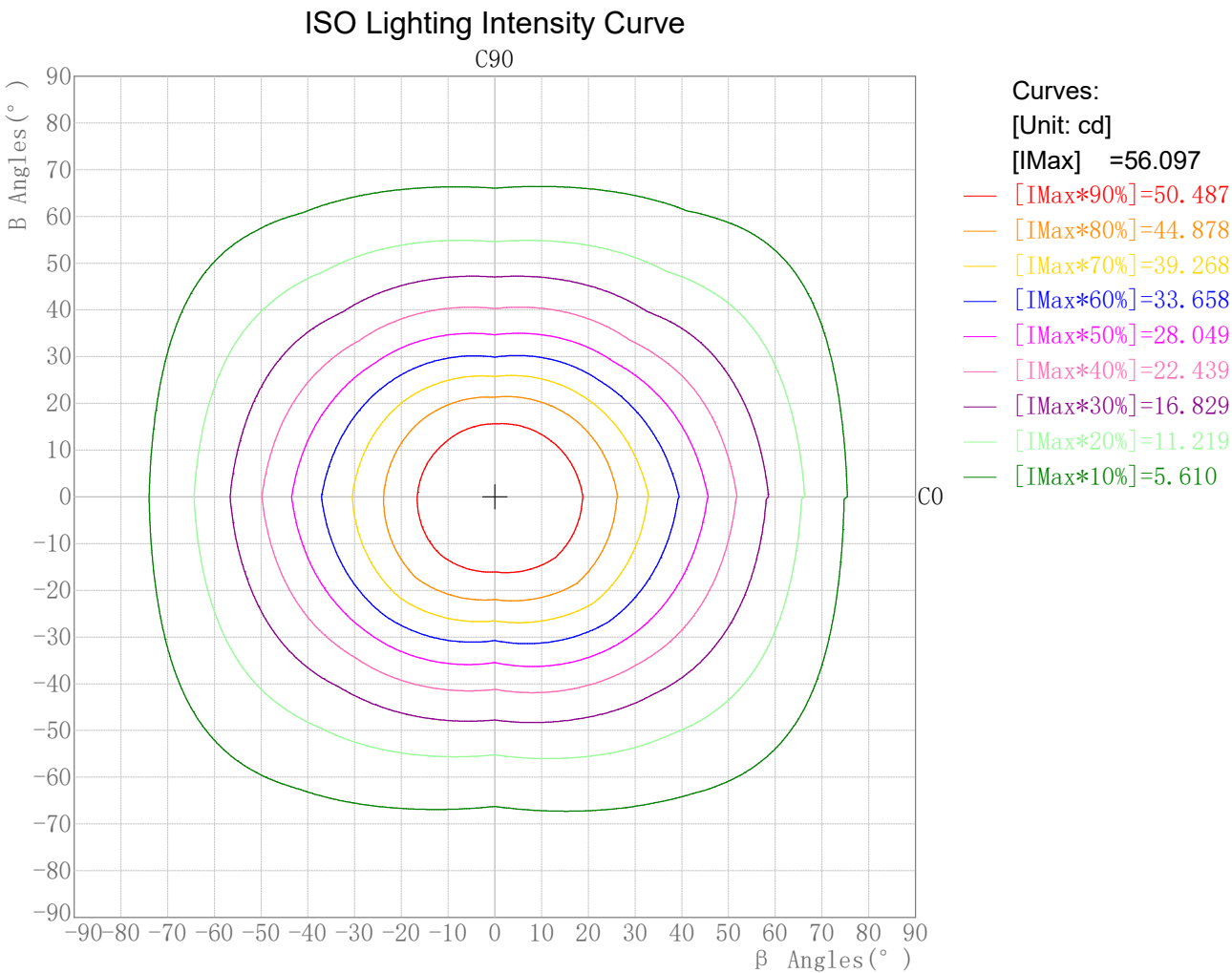


Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-5. 0	1. 34	1. 34	1. 29	1. 29
5. 0-10. 0	3. 93	5. 27	3. 80	5. 09
10. 0-15. 0	6. 29	11. 55	6. 08	11. 17
15. 0-20. 0	8. 23	19. 78	7. 96	19. 13
20. 0-25. 0	9. 59	29. 37	9. 27	28. 41
25. 0-30. 0	10. 27	39. 64	9. 93	38. 34
30. 0-35. 0	10. 32	49. 96	9. 98	48. 32
35. 0-40. 0	9. 90	59. 86	9. 58	57. 90
40. 0-45. 0	9. 15	69. 01	8. 85	66. 74
45. 0-50. 0	8. 16	77. 17	7. 89	74. 64
50. 0-55. 0	7. 02	84. 20	6. 79	81. 43
55. 0-60. 0	5. 83	90. 03	5. 64	87. 07
60. 0-65. 0	4. 66	94. 69	4. 51	91. 57
65. 0-70. 0	3. 54	98. 22	3. 42	94. 99
70. 0-75. 0	2. 49	100. 71	2. 41	97. 40
75. 0-80. 0	1. 55	102. 26	1. 50	98. 90
80. 0-85. 0	0. 78	103. 03	0. 75	99. 65
85. 0-90. 0	0. 30	103. 33	0. 29	99. 93
90. 0-95. 0	0. 07	103. 40	0. 07	100. 00
95. 0-100. 0	0. 00	103. 40	0. 00	100. 00
100. 0-105. 0	0. 00	103. 40	0. 00	100. 00
105. 0-110. 0	0. 00	103. 40	0. 00	100. 00
110. 0-115. 0	0. 00	103. 40	0. 00	100. 00
115. 0-120. 0	0. 00	103. 40	0. 00	100. 00
120. 0-125. 0	0. 00	103. 40	0. 00	100. 00
125. 0-130. 0	0. 00	103. 40	0. 00	100. 00
130. 0-135. 0	0. 00	103. 40	0. 00	100. 00
135. 0-140. 0	0. 00	103. 40	0. 00	100. 00
140. 0-145. 0	0. 00	103. 40	0. 00	100. 00
145. 0-150. 0	0. 00	103. 40	0. 00	100. 00
150. 0-155. 0	0. 00	103. 40	0. 00	100. 00
155. 0-160. 0	0. 00	103. 40	0. 00	100. 00
160. 0-165. 0	0. 00	103. 40	0. 00	100. 00
165. 0-170. 0	0. 00	103. 40	0. 00	100. 00
170. 0-175. 0	0. 00	103. 40	0. 00	100. 00
175. 0-180. 0	0. 00	103. 40	0. 00	100. 00

Rectangle ISO Lighting Intensity Diagram

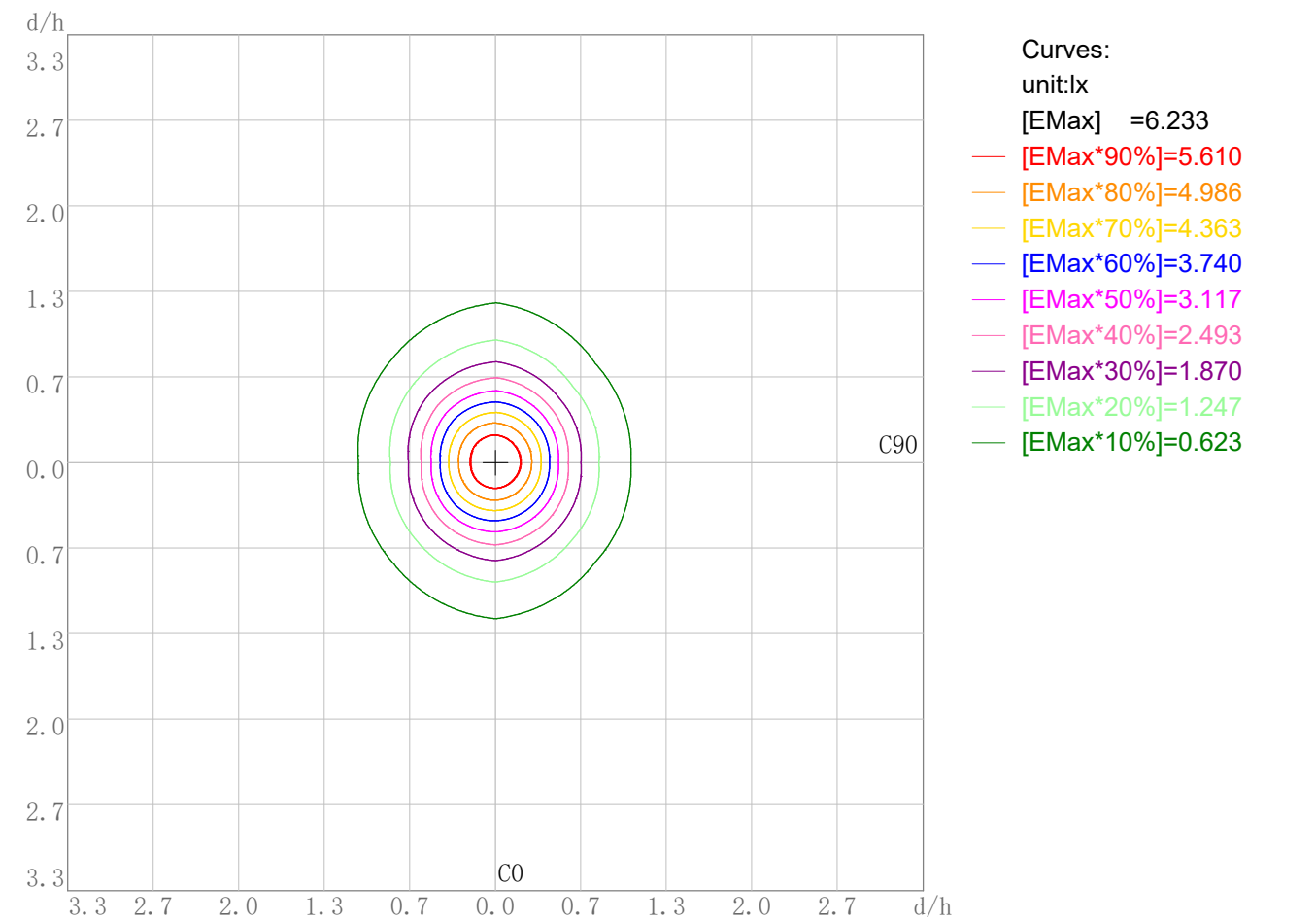
Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



Plane ISO-Illuminance Diagram

Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

Plane ISO-Illuminance Curve

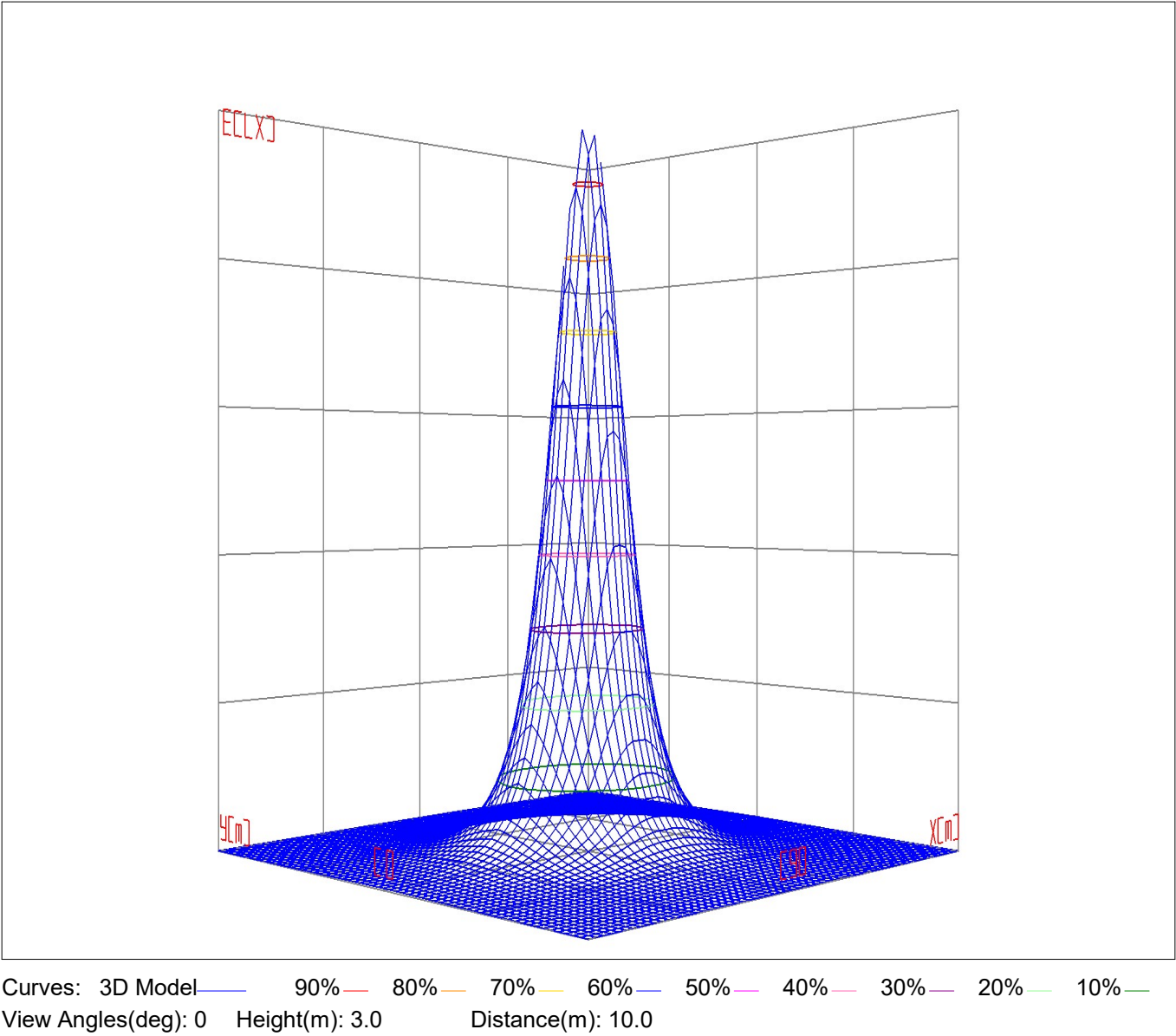


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 6.23
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

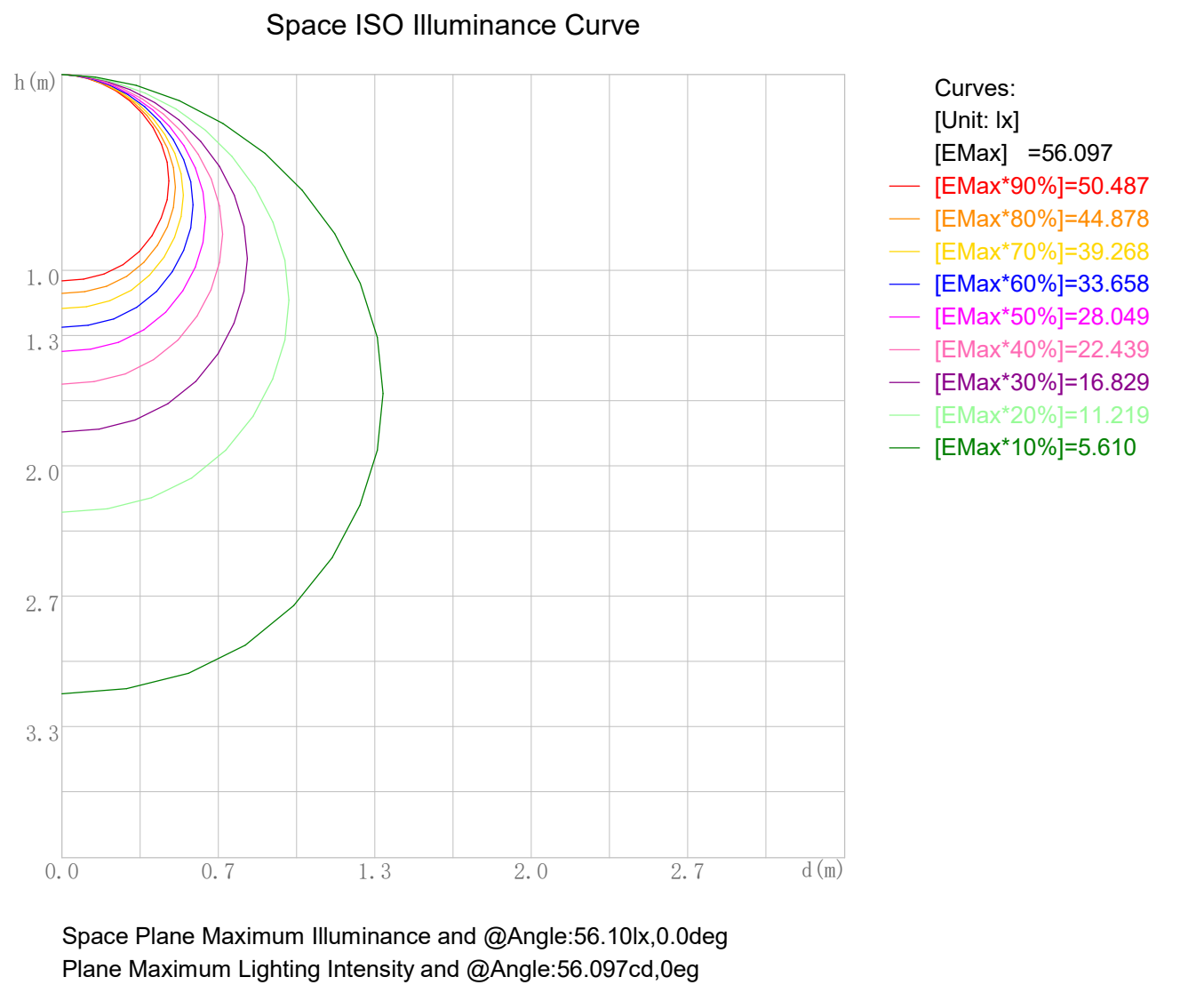
Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

3D Plane Illuminance Modal



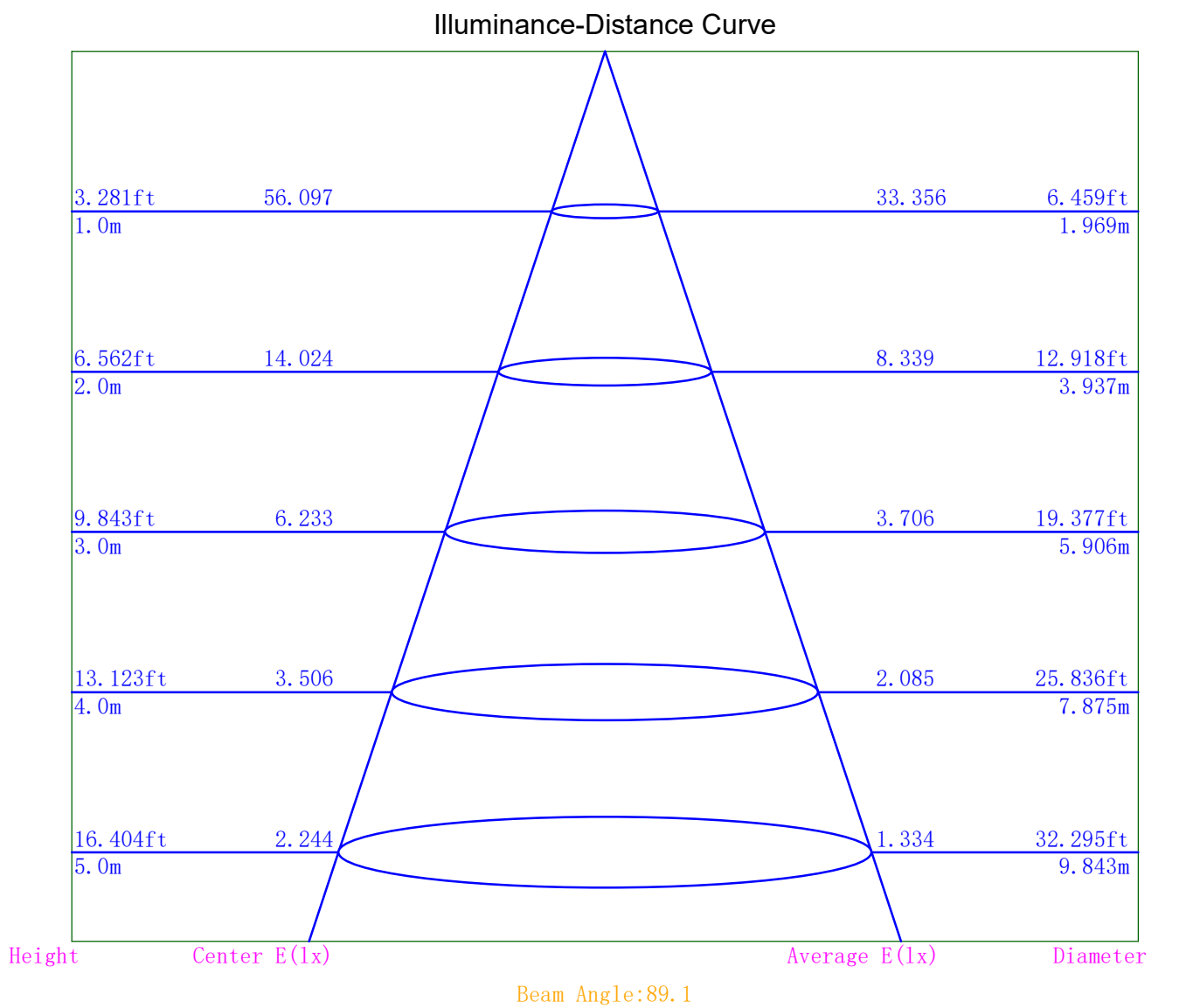
Space ISO Illuminance Diagram

Lum. Name: STB10	Lum. Catelog:	Test ID: ALDG20260416001
Lamp Name: LED	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



Illuminance-Distance Diagram

Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



Indoor Luminance Limiting Curves

Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

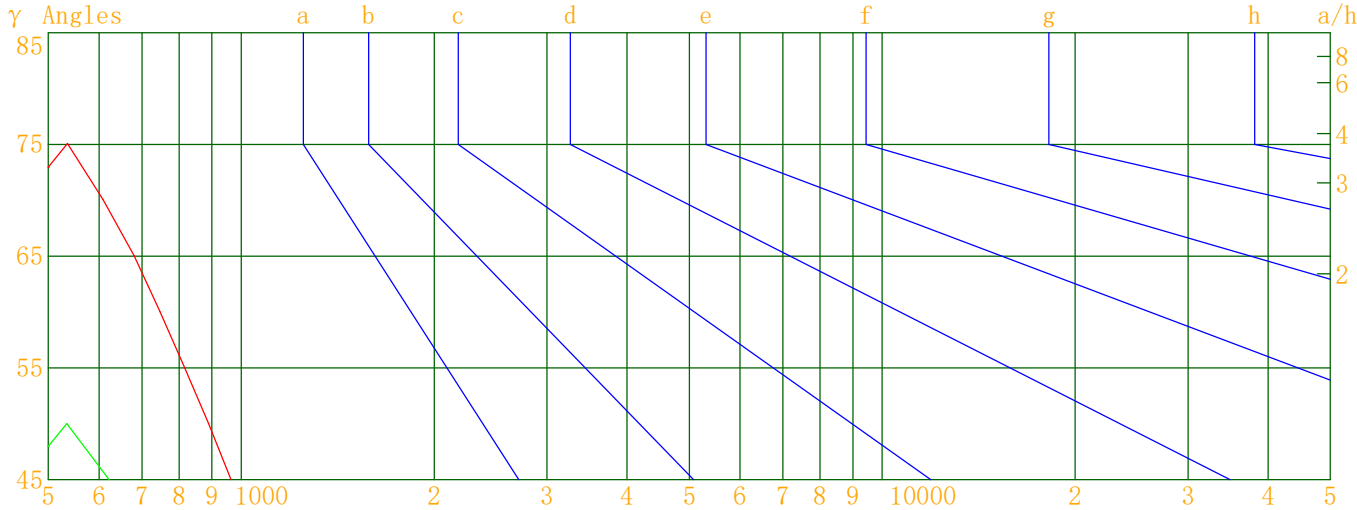
Glare Grade Table

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	964	890	816	747	681	609	536	455	363
C90	622	534	454	390	338	288	240	198	179

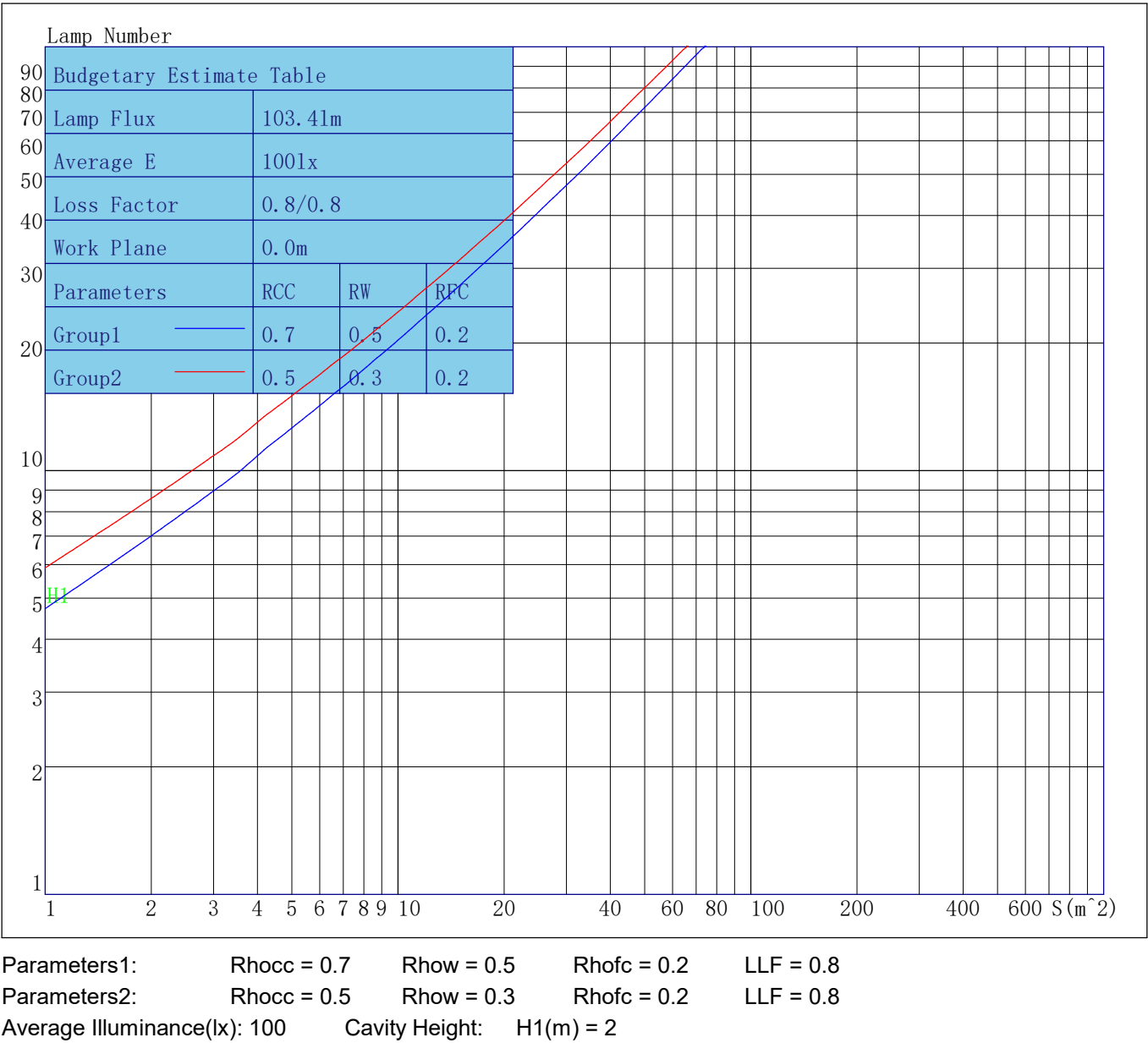
Luminance Limiting Curve



Luminous Size: Length(m)=0.240 Width(m)=0.075 Height(m)=0.100 Area(m^2)=0.042000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
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: STB10	Lum. Catalog:	Test ID: ALDG20260416001
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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	49	60	54	48	59	53	48	57	52	48	46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41
8	66	53	45	40	64	53	45	40	51	44	40	50	44	39	49	43	39	37
9	62	49	42	36	60	49	41	36	48	41	36	46	40	36	46	40	36	34
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33	43	37	33	31

Unified Glare Rating Table

Lum. Name: STB10	Lum. Catalog:	Test ID: ALDG20260416001
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	21.1	22.4	20.1	21.3	21.5	18.8	20.2	17.9	19.0	19.3
	22.3	23.5	21.5	22.6	22.8	19.6	20.8	18.8	19.9	20.2
	22.8	23.9	22.1	23.1	23.4	19.9	21.1	19.2	20.2	20.5
	23.1	24.2	22.5	23.4	23.8	20.1	21.1	19.5	20.4	20.7
	23.2	24.2	22.7	23.6	23.9	20.1	21.1	19.6	20.5	20.8
	23.3	24.2	22.8	23.6	24.0	20.2	21.1	19.6	20.5	20.8
X=4H Y=2H	20.7	21.8	20.0	21.0	21.3	18.6	19.7	17.9	18.9	19.1
	22.0	22.9	21.5	22.3	22.7	19.5	20.4	18.9	19.8	20.1
	22.5	23.4	22.1	22.9	23.2	19.8	20.6	19.4	20.1	20.5
	22.9	23.7	22.7	23.3	23.7	20.0	20.8	19.7	20.4	20.8
	23.1	23.8	22.9	23.5	23.9	20.1	20.8	19.9	20.5	20.9
	23.2	23.8	23.0	23.6	24.0	20.1	20.7	20.0	20.5	21.0
X=8H Y=4H	24.5	25.2	24.3	24.9	25.3	21.8	22.5	21.6	22.2	22.6
	24.9	25.4	24.8	25.3	25.8	22.0	22.5	21.9	22.4	22.9
	25.0	25.5	25.0	25.5	26.0	22.1	22.5	22.1	22.5	23.0
	25.1	25.5	25.2	25.6	26.1	22.1	22.5	22.2	22.6	23.1
X=12H Y=4H	24.5	25.1	24.3	24.9	25.3	21.9	22.5	21.8	22.3	22.8
	24.9	25.4	24.9	25.4	25.9	22.2	22.6	22.2	22.6	23.1
	25.1	25.5	25.2	25.6	26.1	22.3	22.7	22.4	22.7	23.2
Variations with the objerver position at spacings										
S=1.0H	1.1/-1.1					0.9/-0.9				
S=1.5H	2.0/-2.2					1.7/-1.8				
S=2.0H	2.4/-2.4					2.1/-2.2				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	2.9					2.6				

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	56.10	56.10	56.10	56.10	56.10	56.10	56.10	56.10
γ 5.0	55.83	55.54	55.55	55.38	55.67	55.57	55.48	55.87
γ 10.0	54.91	54.28	53.97	53.77	54.11	54.21	53.98	54.71
γ 15.0	52.86	51.81	51.04	51.02	51.63	51.81	51.37	52.54
γ 20.0	49.76	48.29	46.52	47.29	48.05	48.43	47.21	49.38
γ 25.0	45.92	43.37	40.28	42.52	43.89	43.98	41.33	45.18
γ 30.0	41.78	37.43	33.52	37.01	39.69	38.51	34.58	39.99
γ 35.0	37.55	31.18	27.68	31.06	35.44	32.56	28.50	34.26
γ 40.0	33.15	25.56	22.67	25.47	31.17	26.68	23.51	28.41
γ 45.0	28.62	20.55	18.47	20.60	26.68	21.72	19.05	23.05
γ 50.0	24.02	16.45	14.42	16.38	22.30	17.32	15.01	18.45
γ 55.0	19.66	12.86	10.94	12.94	18.06	13.63	11.34	14.58
γ 60.0	15.68	9.83	8.20	9.70	14.31	10.51	8.33	11.23
γ 65.0	12.08	7.28	6.00	7.13	10.76	7.80	6.08	8.40
γ 70.0	8.74	5.04	4.14	4.91	7.73	5.56	4.19	5.89
γ 75.0	5.82	3.18	2.61	3.07	5.06	3.71	2.65	3.87
γ 80.0	3.32	1.66	1.44	1.60	2.72	1.97	1.44	2.20
γ 85.0	1.33	0.83	0.66	0.63	0.99	0.73	0.51	0.82
γ 90.0	0.37	0.36	0.20	0.21	0.26	0.23	0.27	0.24
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