

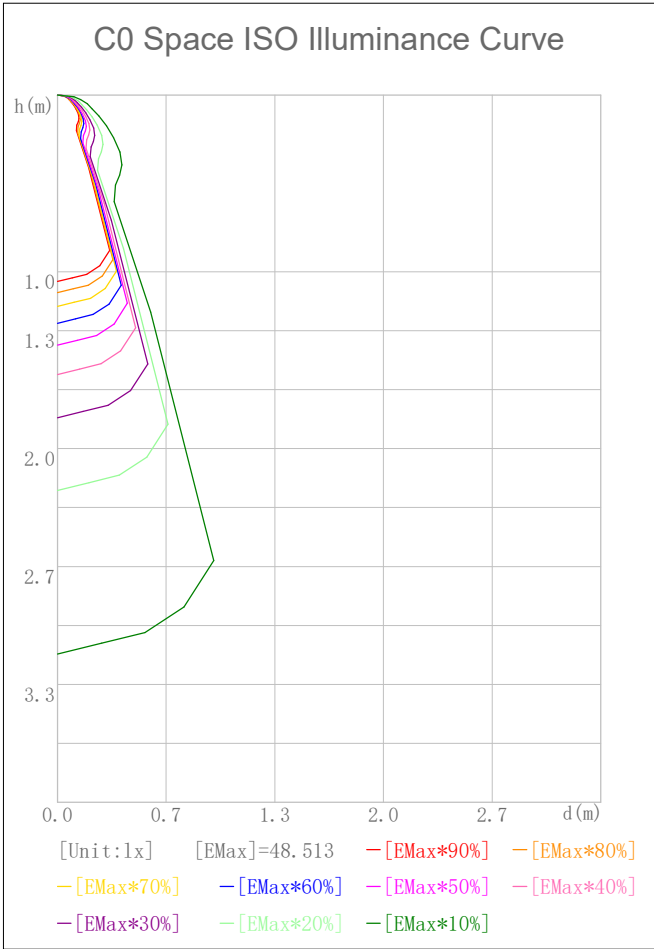
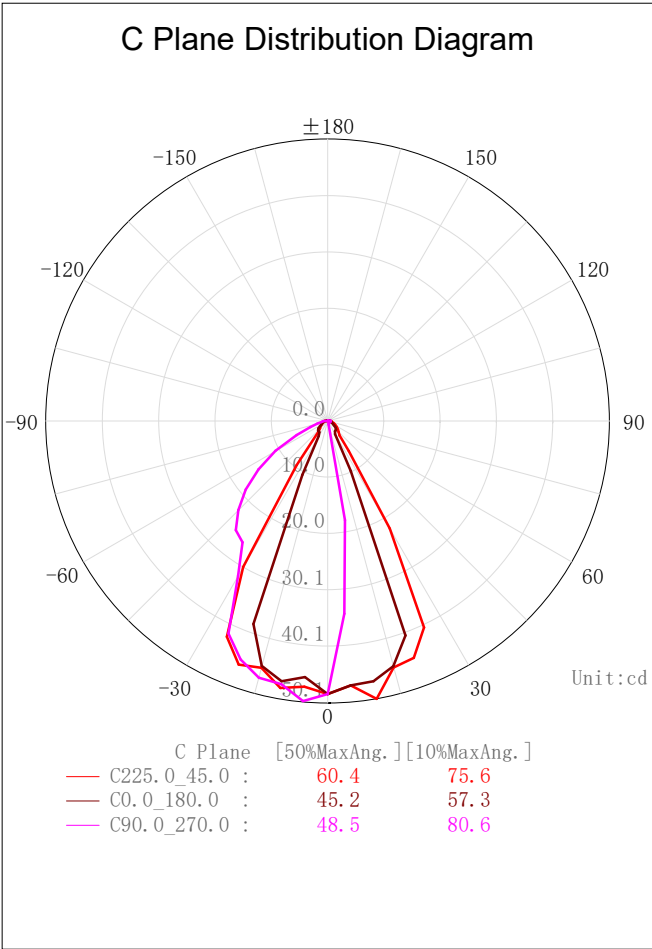
Indoor Luminaire Photometric Data

Description Information

Luminary Name: PLB07		Lum. Catalog:	Test ID: ALDG20260416007
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):0.165m*0.030m*0.625m		Lum. Area (m2):0.024	Lum. W (kg):
Test System: C, γ	Test Step: C=45.0 γ=5.0	Temp. (°C):	Humidity(%):

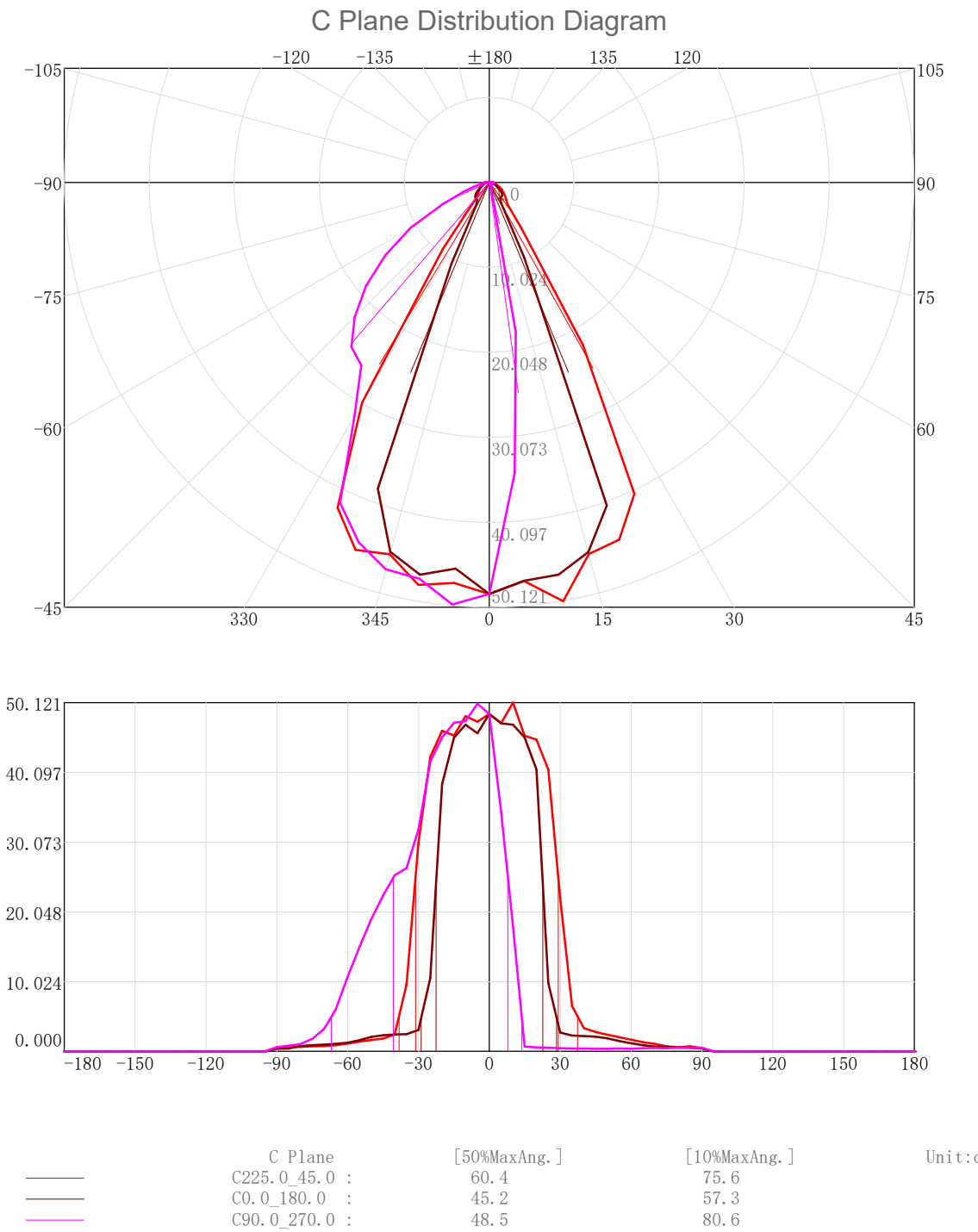
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	43.820	Luminary Flux(lm):	43.823
Rated Power(W):		Luminary Efficiency:	100.01%
Rated Voltage(V):	12	Luminary EER(lm/W):	23.065
Tested Power(W):	1.900	Max. Candela(cd):	50.121
Lamps' Inside:	1	Max Cand@Ang. (°):	C=225.0 γ=10.0
Tested Electrics(V, A, pf):	12.0, 0.162, 1.000	Beam Angle(50%Imax):	60.4(°)
Lamp Size(W*L*H):0.165m*0.030m*0.625m		Left=-31.2°, Right=29.2°	IRF(%): 268.687
		Field Angle(10%Imax):	75.6(°)
		Down Lumens&Percent:	43.685lm 99.69%
		Up Lumens&Percent:	0.138lm 0.31%
		S/MH:	C0_a180=0.795 C90_270=0.676
		CIE Type:	Semi-Direct
		ErP Φuse(90°):	36.048lm



2D Plane Light Intensity Distribution Curve

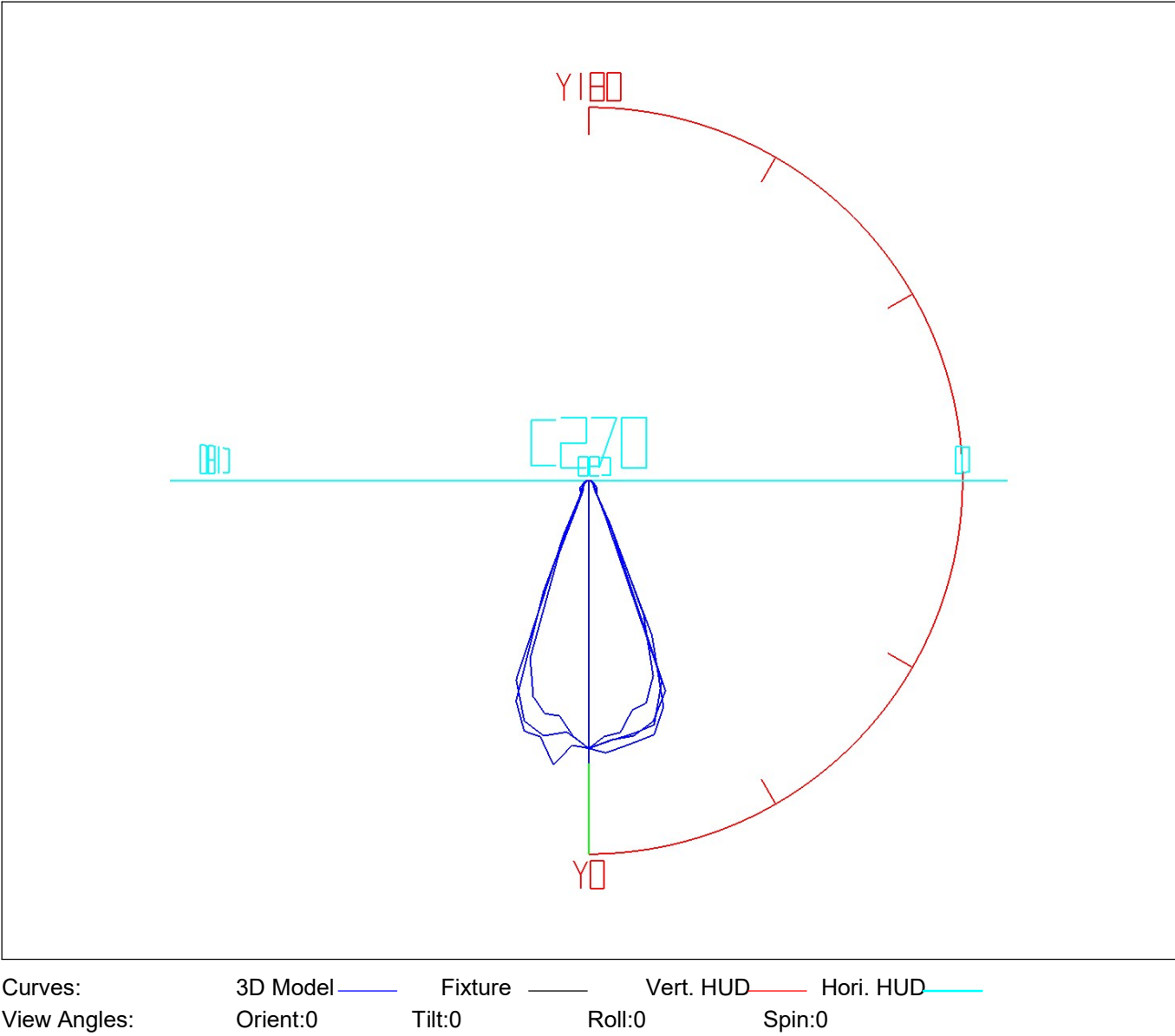
Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



3D Light Intensity Distribution Modal

Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

3D Light Intensity Distribution Modal

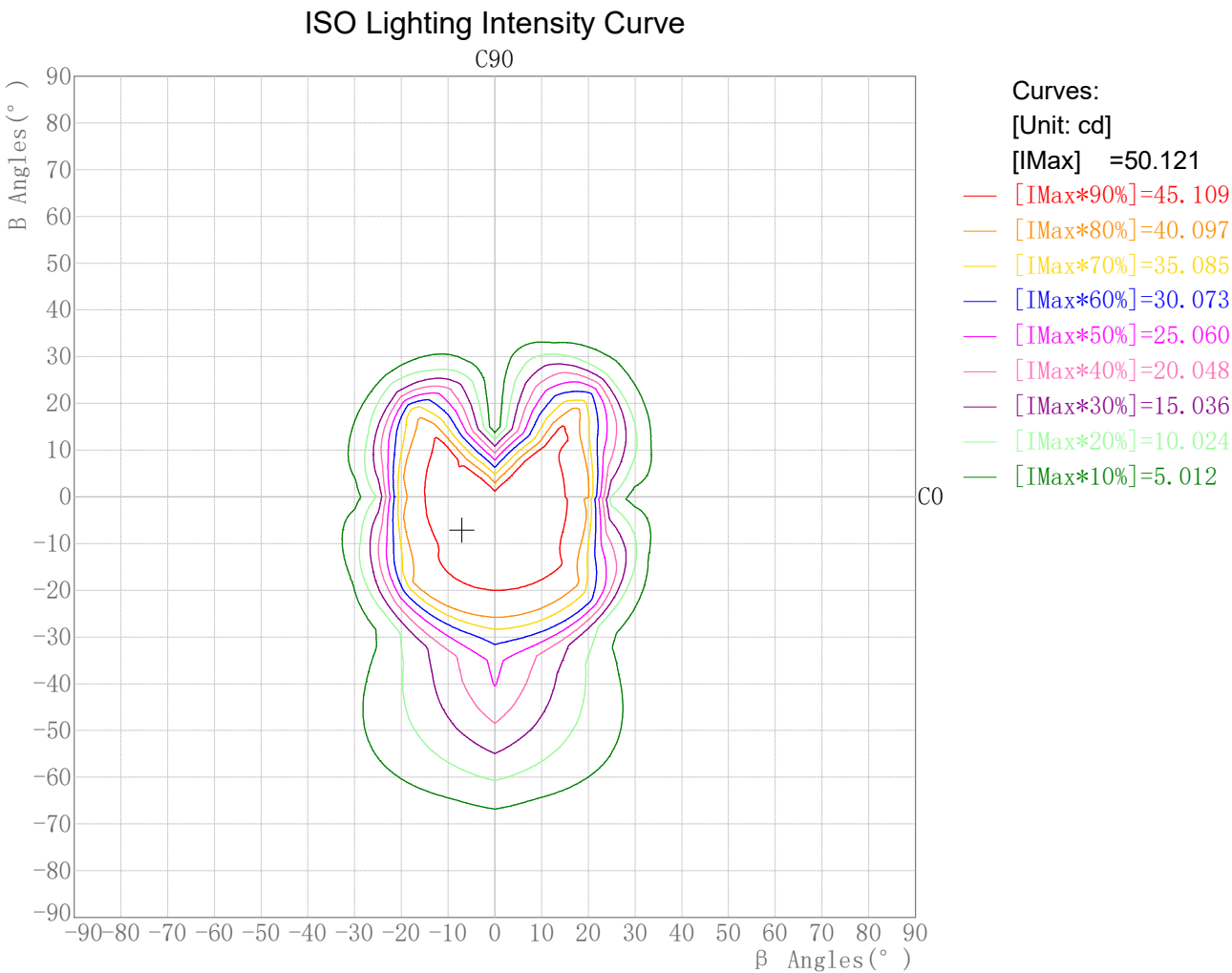


Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-5. 0	1. 13	1. 13	2. 58	2. 58
5. 0-10. 0	3. 21	4. 34	7. 32	9. 90
10. 0-15. 0	4. 97	9. 31	11. 35	21. 25
15. 0-20. 0	6. 46	15. 77	14. 73	35. 98
20. 0-25. 0	6. 96	22. 72	15. 88	51. 86
25. 0-30. 0	5. 71	28. 44	13. 04	64. 89
30. 0-35. 0	3. 61	32. 04	8. 23	73. 12
35. 0-40. 0	2. 12	34. 16	4. 83	77. 95
40. 0-45. 0	1. 80	35. 96	4. 11	82. 06
45. 0-50. 0	1. 70	37. 66	3. 89	85. 95
50. 0-55. 0	1. 53	39. 20	3. 50	89. 45
55. 0-60. 0	1. 28	40. 48	2. 92	92. 37
60. 0-65. 0	0. 97	41. 44	2. 21	94. 57
65. 0-70. 0	0. 68	42. 13	1. 56	96. 14
70. 0-75. 0	0. 51	42. 63	1. 16	97. 29
75. 0-80. 0	0. 40	43. 04	0. 92	98. 21
80. 0-85. 0	0. 35	43. 38	0. 79	99. 00
85. 0-90. 0	0. 30	43. 69	0. 69	99. 69
90. 0-95. 0	0. 14	43. 82	0. 31	100. 01
95. 0-100. 0	0. 00	43. 82	0. 00	100. 01
100. 0-105. 0	0. 00	43. 82	0. 00	100. 01
105. 0-110. 0	0. 00	43. 82	0. 00	100. 01
110. 0-115. 0	0. 00	43. 82	0. 00	100. 01
115. 0-120. 0	0. 00	43. 82	0. 00	100. 01
120. 0-125. 0	0. 00	43. 82	0. 00	100. 01
125. 0-130. 0	0. 00	43. 82	0. 00	100. 01
130. 0-135. 0	0. 00	43. 82	0. 00	100. 01
135. 0-140. 0	0. 00	43. 82	0. 00	100. 01
140. 0-145. 0	0. 00	43. 82	0. 00	100. 01
145. 0-150. 0	0. 00	43. 82	0. 00	100. 01
150. 0-155. 0	0. 00	43. 82	0. 00	100. 01
155. 0-160. 0	0. 00	43. 82	0. 00	100. 01
160. 0-165. 0	0. 00	43. 82	0. 00	100. 01
165. 0-170. 0	0. 00	43. 82	0. 00	100. 01
170. 0-175. 0	0. 00	43. 82	0. 00	100. 01
175. 0-180. 0	0. 00	43. 82	0. 00	100. 01

Rectangle ISO Lighting Intensity Diagram

Lum. Name: PLB07	Lum. Catelog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

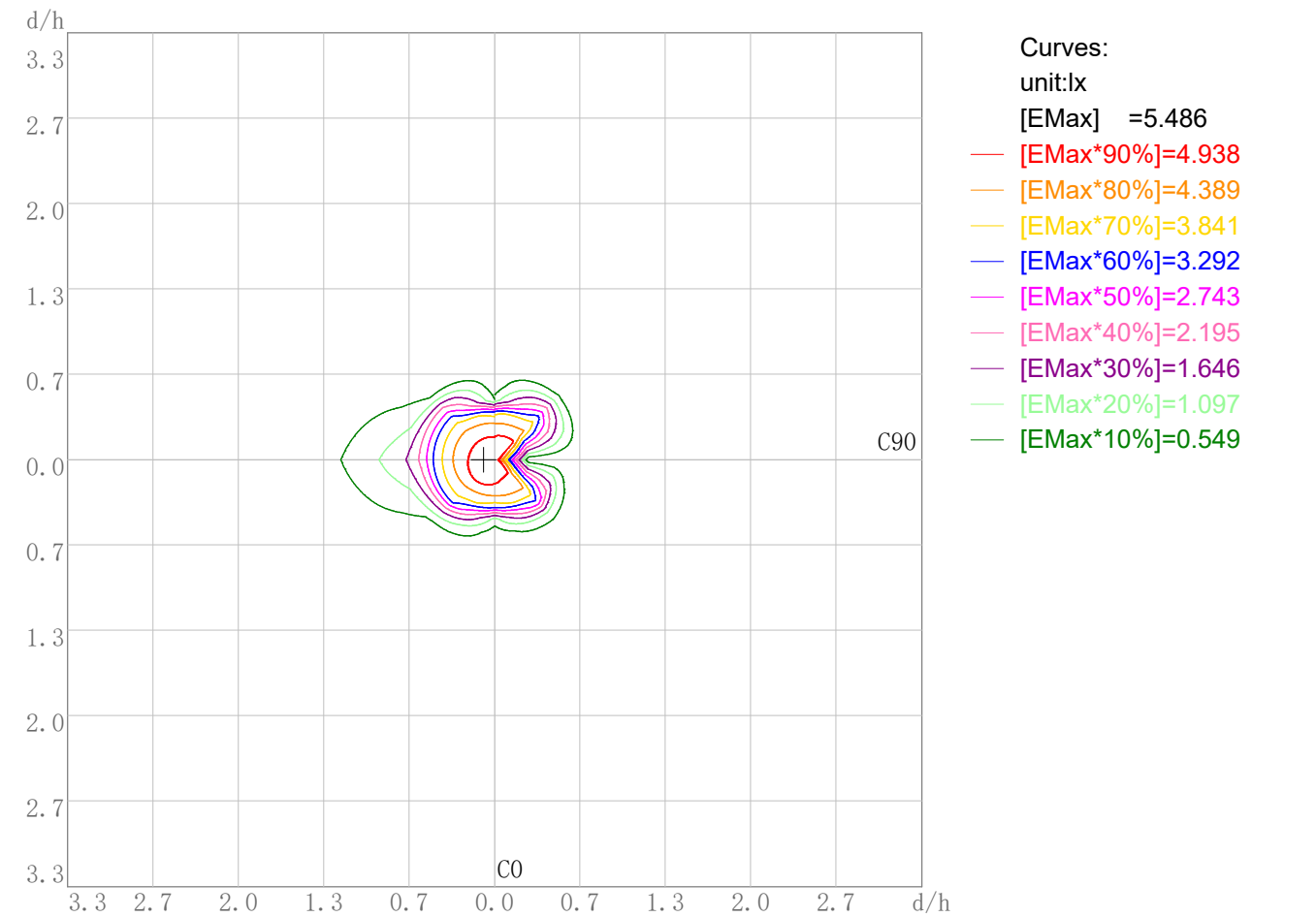


Maximum Light Intensity(cd): 50.12
Maximum Cand.@Angle: H=-7.1°,V=-7.1°

Plane ISO-Illuminance Diagram

Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

Plane ISO-Illuminance Curve

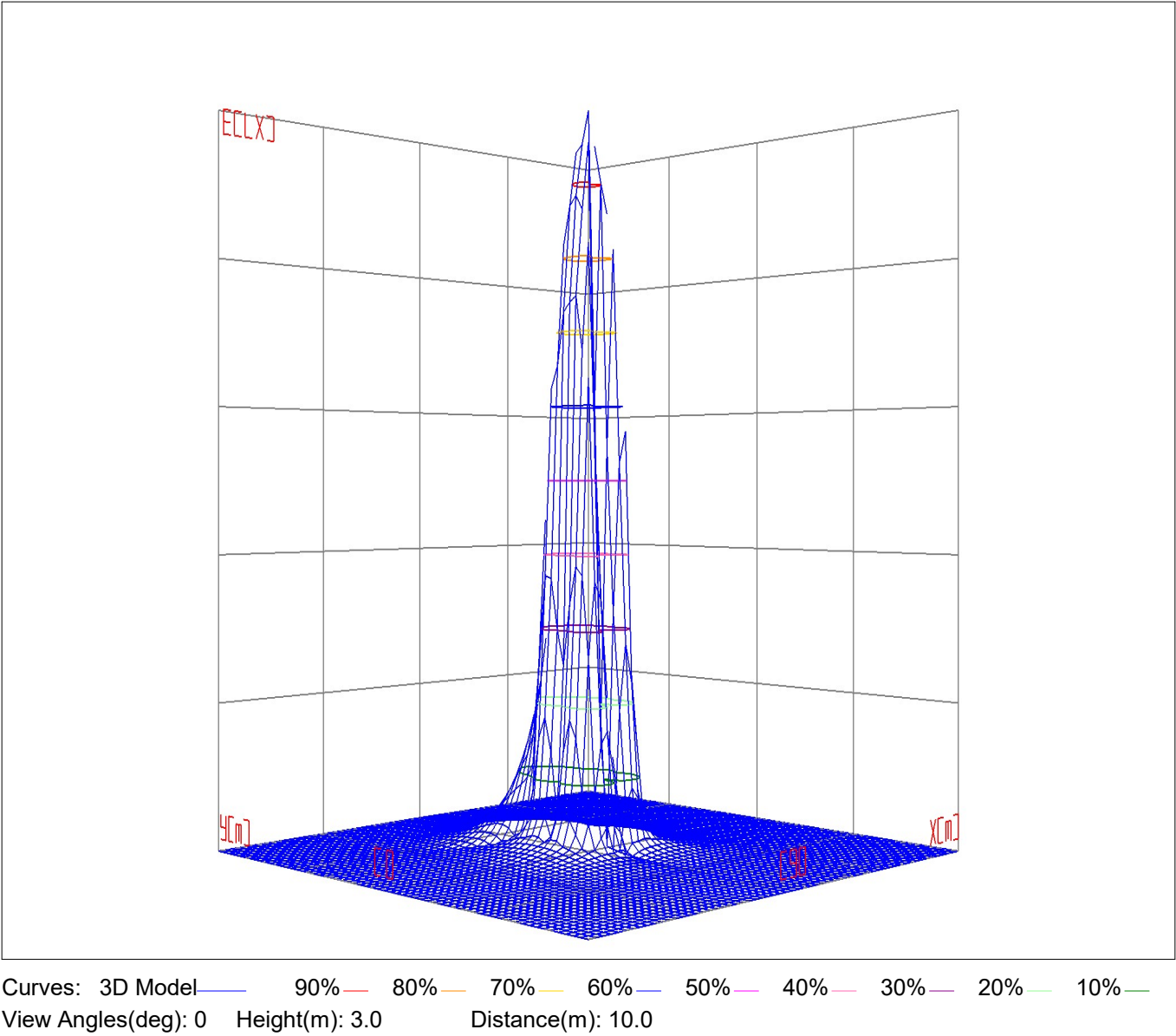


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 5.49
Working Plane Maximum Illuminance Position(d/h):H-0.1 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

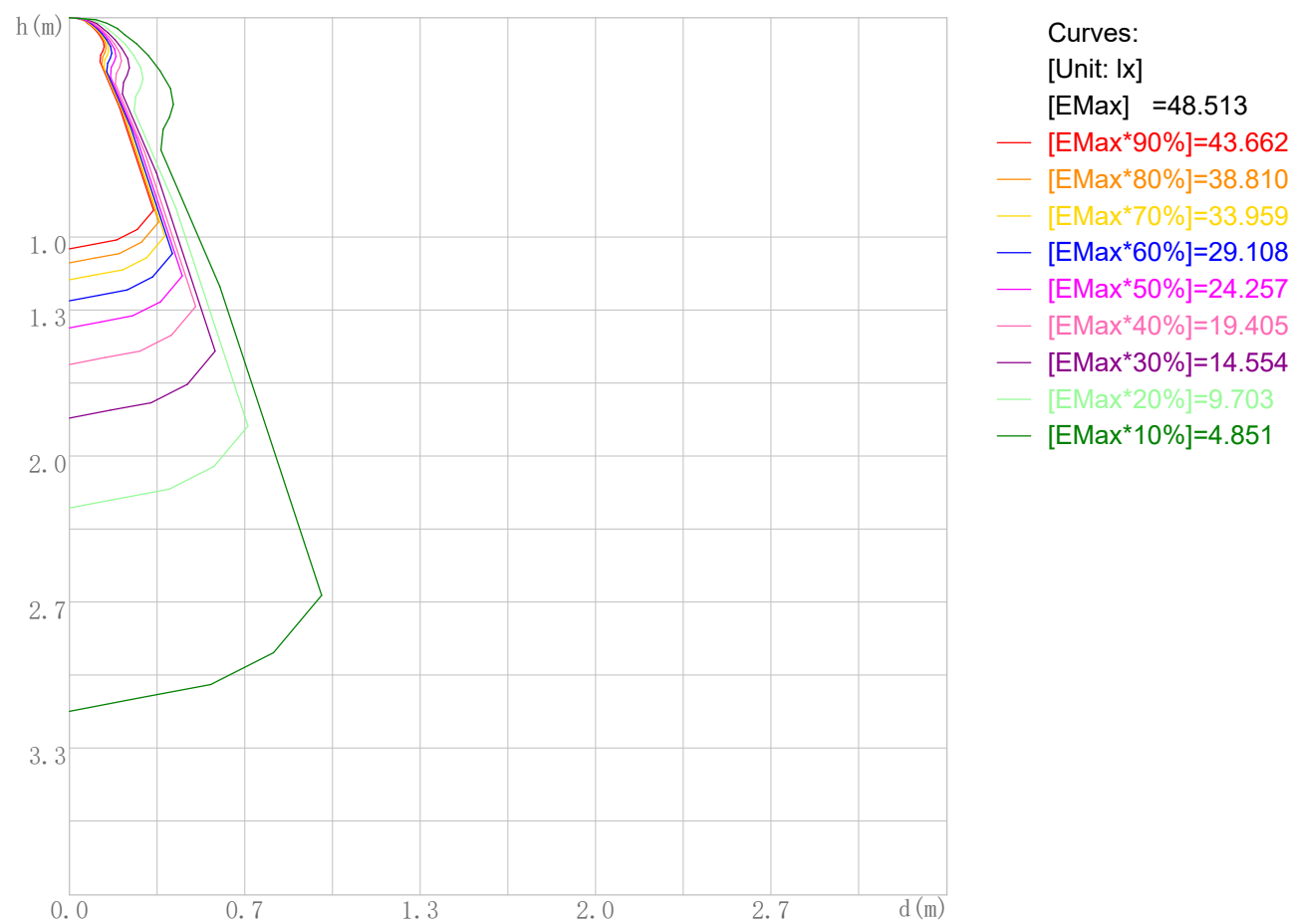
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

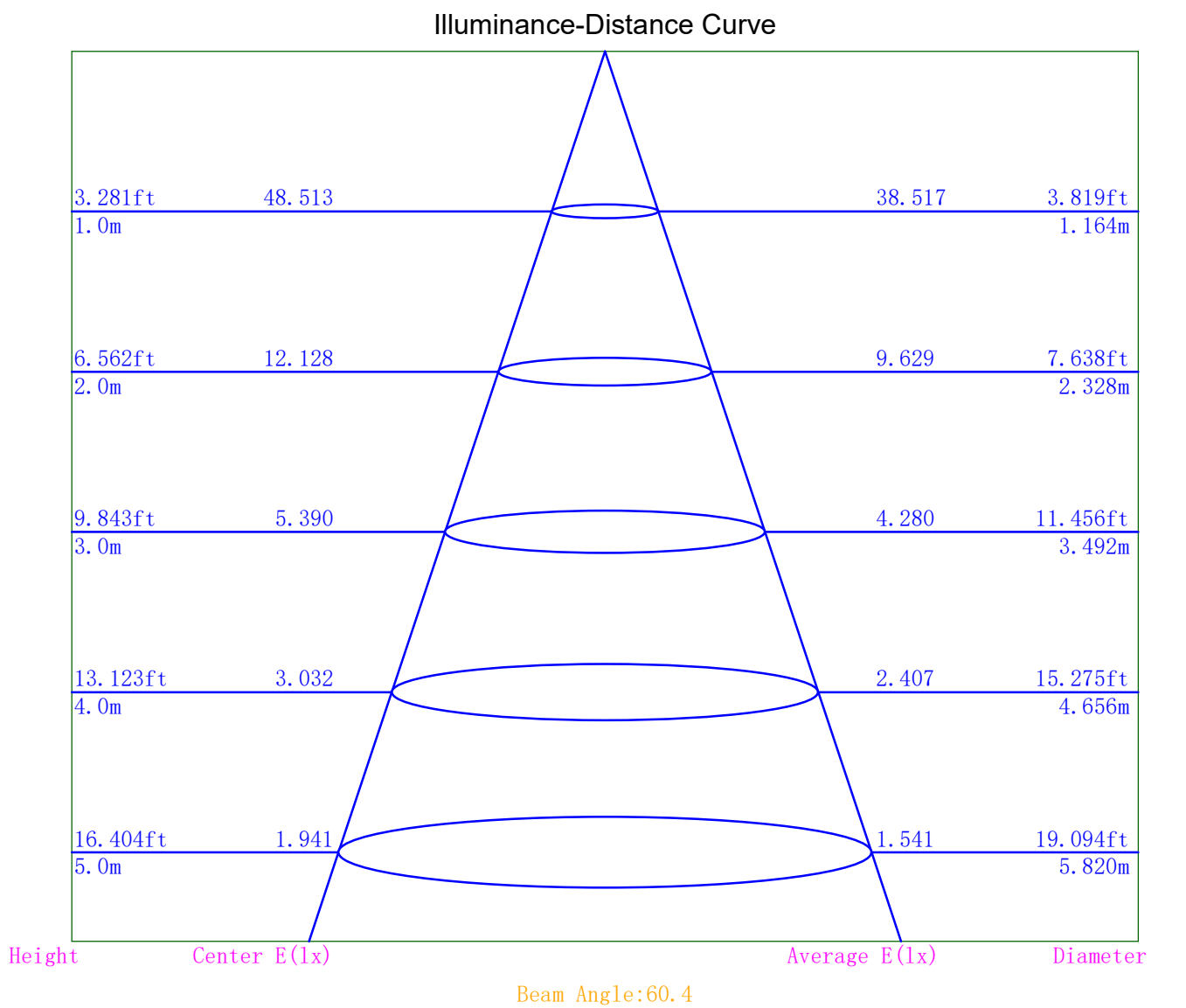
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:48.51lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:48.513cd,0deg

Illuminance-Distance Diagram

Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16



Indoor Luminance Limiting Curves

Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2026/04/16

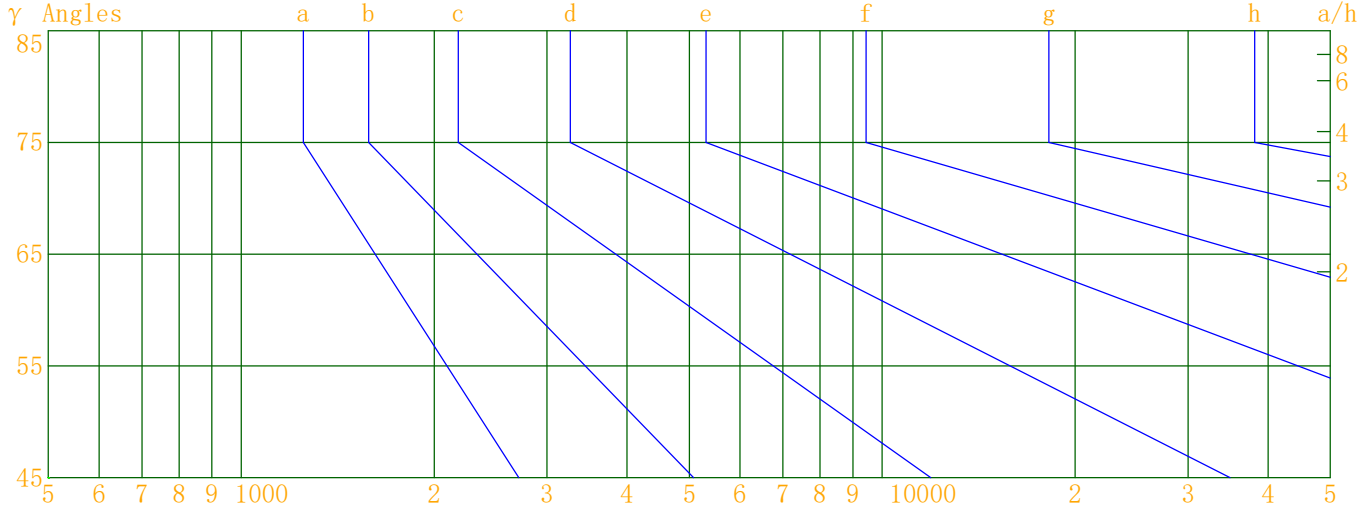
Glare Grade Table

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	128	124	110	99	90	87	110	141	275
C90	23	26	31	32	46	64	76	131	263

Luminance Limiting Curve



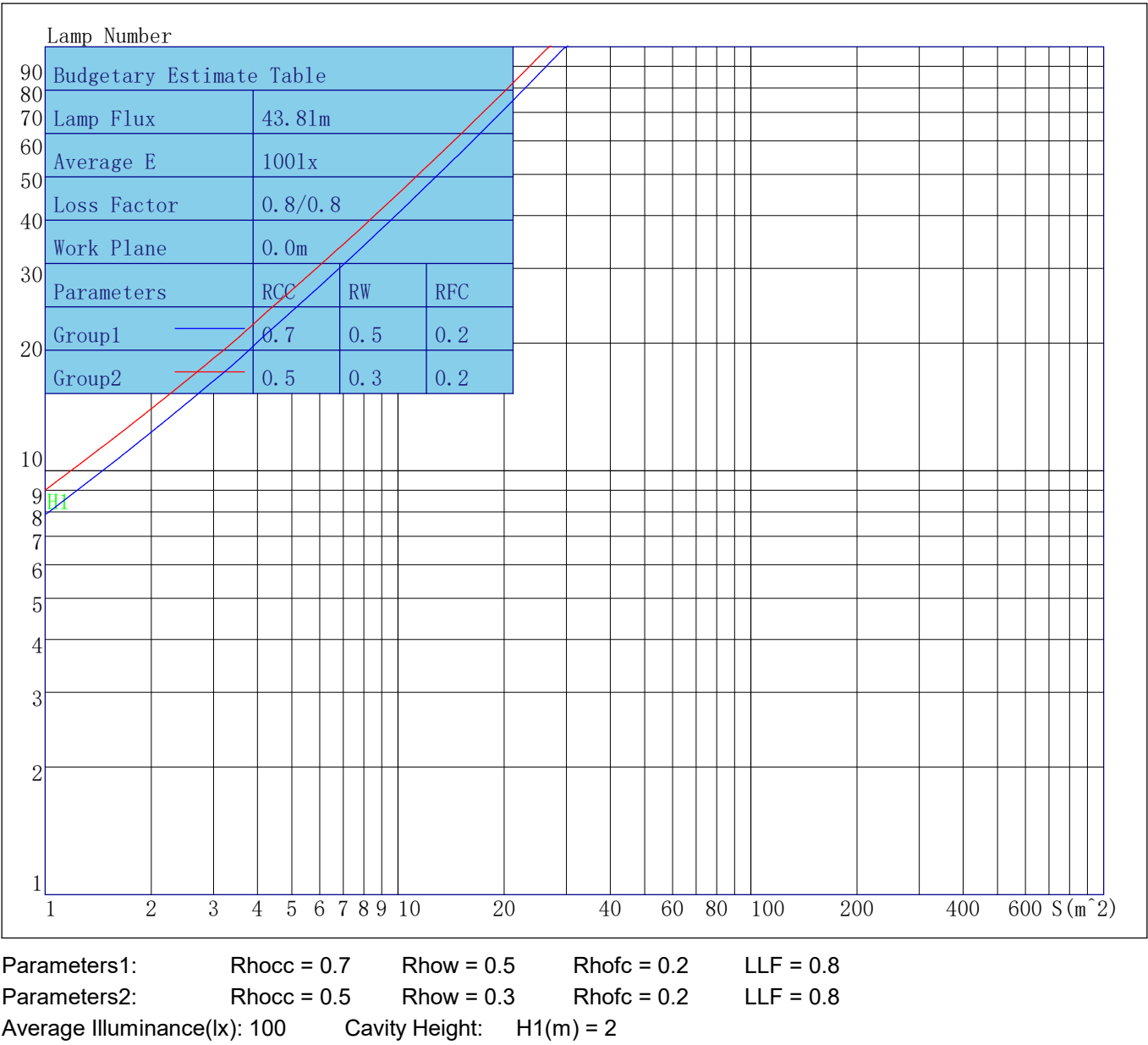
Luminous Size: Length(m)=0.030 Width(m)=0.165 Height(m)=0.625 Area(m^2)=0.023700

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
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: PLB07	Lum. Catelog:	Test ID: ALDG20260416007
Lamp Name: LED	Lamp Catelog: 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	112	108	105	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	105	99	95	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	85	78	74	91	84	78	73	81	76	72	79	75	71	77	73	70	69
5	88	79	72	67	86	78	72	67	76	70	66	74	69	66	72	68	65	63
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	64	60	56	55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51
9	72	61	55	50	70	61	55	50	60	54	50	59	54	50	58	53	50	48
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

Unified Glare Rating Table

Lum. Name: PLB07	Lum. Catalog:	Test ID: ALDG20260416007
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	14.3	15.3	13.6	14.5	14.8	9.9	10.9	9.2	10.2	10.4
	15.3	16.2	14.7	15.5	15.8	11.5	12.4	10.9	11.8	12.1
	16.0	16.8	15.5	16.2	16.5	12.6	13.4	12.1	12.9	13.2
	16.9	17.7	16.5	17.2	17.5	14.1	14.9	13.7	14.4	14.7
	17.6	18.3	17.2	17.9	18.2	15.2	15.9	14.8	15.5	15.8
	18.5	19.2	18.1	18.8	19.1	16.5	17.2	16.1	16.8	17.1
X=4H Y=2H	14.5	15.4	14.0	14.8	15.1	10.1	10.9	9.5	10.3	10.6
	15.5	16.2	15.2	15.8	16.2	11.8	12.6	11.5	12.1	12.5
	16.3	16.9	16.0	16.6	17.0	13.0	13.7	12.7	13.4	13.7
	17.4	18.0	17.3	17.8	18.2	14.8	15.3	14.6	15.1	15.5
	18.2	18.8	18.1	18.6	19.0	16.0	16.5	15.9	16.4	16.8
	19.3	19.8	19.3	19.7	20.1	17.5	17.9	17.4	17.9	18.3
X=8H Y=4H	17.7	18.3	17.6	18.1	18.6	15.1	15.6	15.0	15.5	15.9
	18.9	19.4	19.0	19.4	19.8	16.8	17.2	16.8	17.2	17.7
	19.8	20.1	19.9	20.2	20.7	18.0	18.4	18.1	18.4	18.9
	20.9	21.2	21.1	21.4	21.9	19.5	19.8	19.6	19.9	20.5
X=12H Y=4H	18.0	18.4	17.9	18.4	18.8	15.7	16.1	15.6	16.1	16.5
	19.4	19.7	19.5	19.8	20.3	17.6	18.0	17.7	18.1	18.6
	20.4	20.7	20.5	20.8	21.3	18.9	19.3	19.1	19.4	19.9
Variations with the objerver position at spacings										
S=1.0H	0.3/-0.3					0.3/-0.3				
S=1.5H	0.5/-0.7					0.4/-0.6				
S=2.0H	0.4/-0.7					0.4/-0.7				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	4.4					6.1				

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	48.51	48.51	48.51	48.51	48.51	48.51	48.51	48.51
γ 5.0	47.15	47.40	34.42	47.37	45.71	47.19	49.95	48.51
γ 10.0	46.95	48.19	17.94	44.86	46.95	50.12	47.46	47.15
γ 15.0	45.12	45.39	0.72	46.16	45.08	45.37	47.21	46.10
γ 20.0	40.54	46.10	0.58	44.58	38.42	44.82	45.12	45.39
γ 25.0	9.81	42.30	0.55	38.19	10.54	40.51	41.66	41.50
γ 30.0	2.71	29.97	0.47	15.85	3.09	22.08	31.84	30.04
γ 35.0	2.28	9.61	0.45	3.62	2.50	6.55	26.33	8.48
γ 40.0	2.22	2.44	0.42	2.20	2.44	3.35	25.32	3.20
γ 45.0	2.14	1.86	0.38	1.94	2.35	2.80	22.42	2.37
γ 50.0	1.90	1.65	0.40	1.82	2.10	2.42	19.00	1.92
γ 55.0	1.50	1.44	0.42	1.61	1.64	2.08	14.97	1.60
γ 60.0	1.17	1.14	0.38	1.31	1.27	1.71	10.69	1.33
γ 65.0	0.90	0.89	0.46	0.98	1.11	1.34	6.03	1.09
γ 70.0	0.71	0.78	0.52	0.68	0.97	1.10	3.24	0.84
γ 75.0	0.67	0.74	0.47	0.59	0.90	0.77	1.84	0.72
γ 80.0	0.58	0.68	0.54	0.46	0.79	0.61	1.05	0.66
γ 85.0	0.57	0.66	0.54	0.50	0.44	0.74	0.84	0.52
γ 90.0	0.44	0.56	0.56	0.43	0.41	0.47	0.62	0.54
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