

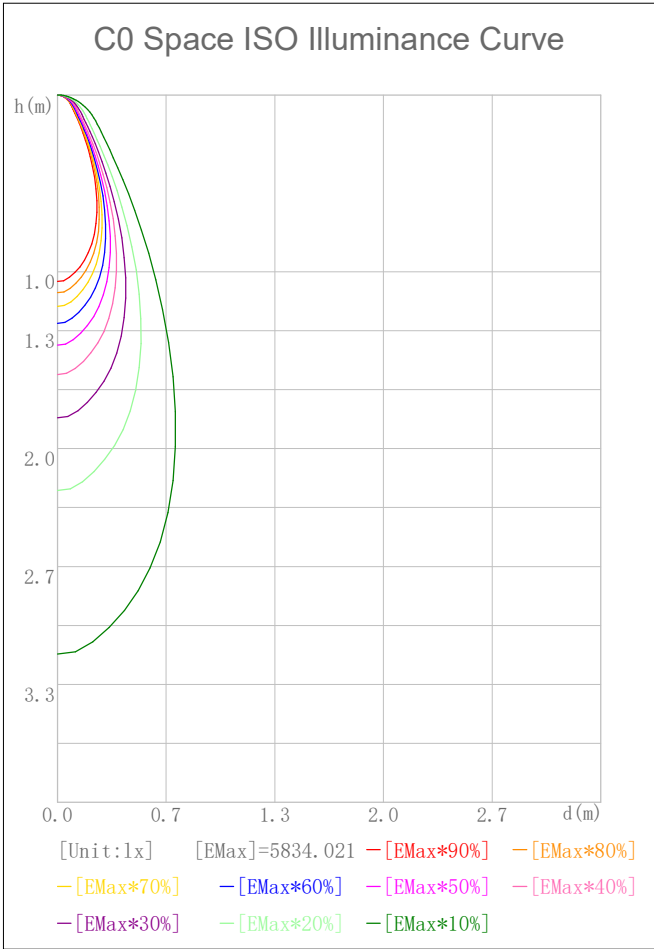
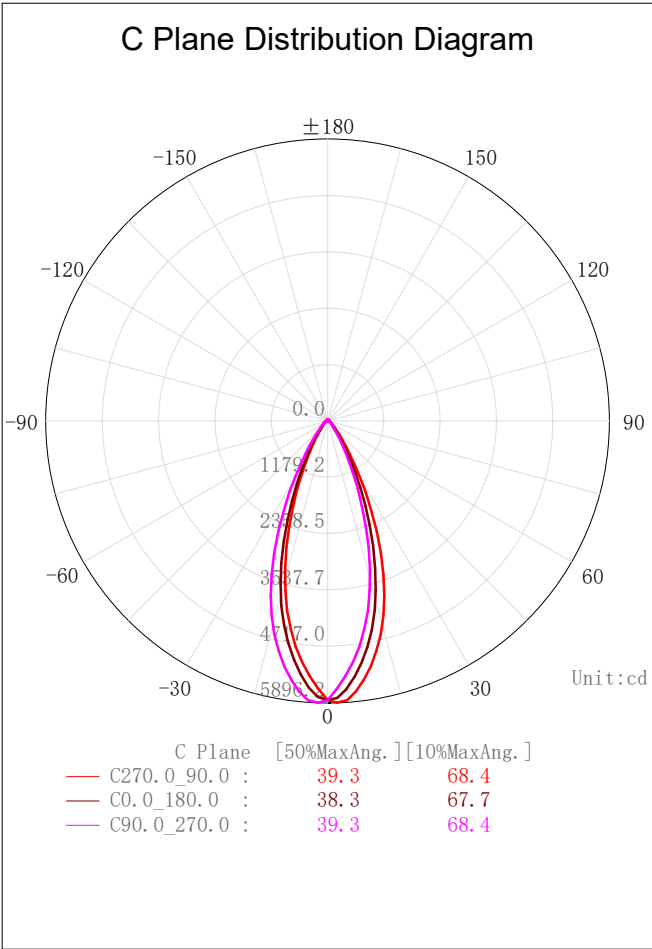
Indoor Luminaire Photometric Data

Description Information

Luminary Name: NORDECOR	Lum. Catalog:	Test ID: t001
Lamp Name: 1178	Lamp Catalog: led	Test Date: 2025/08/25
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab: volnic	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H): 0.065m*~0.065m*0.000m	Lum. Area (m2): 0.003	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=2.0	Temp. (°C): 25
		Humidity(%): 50.0

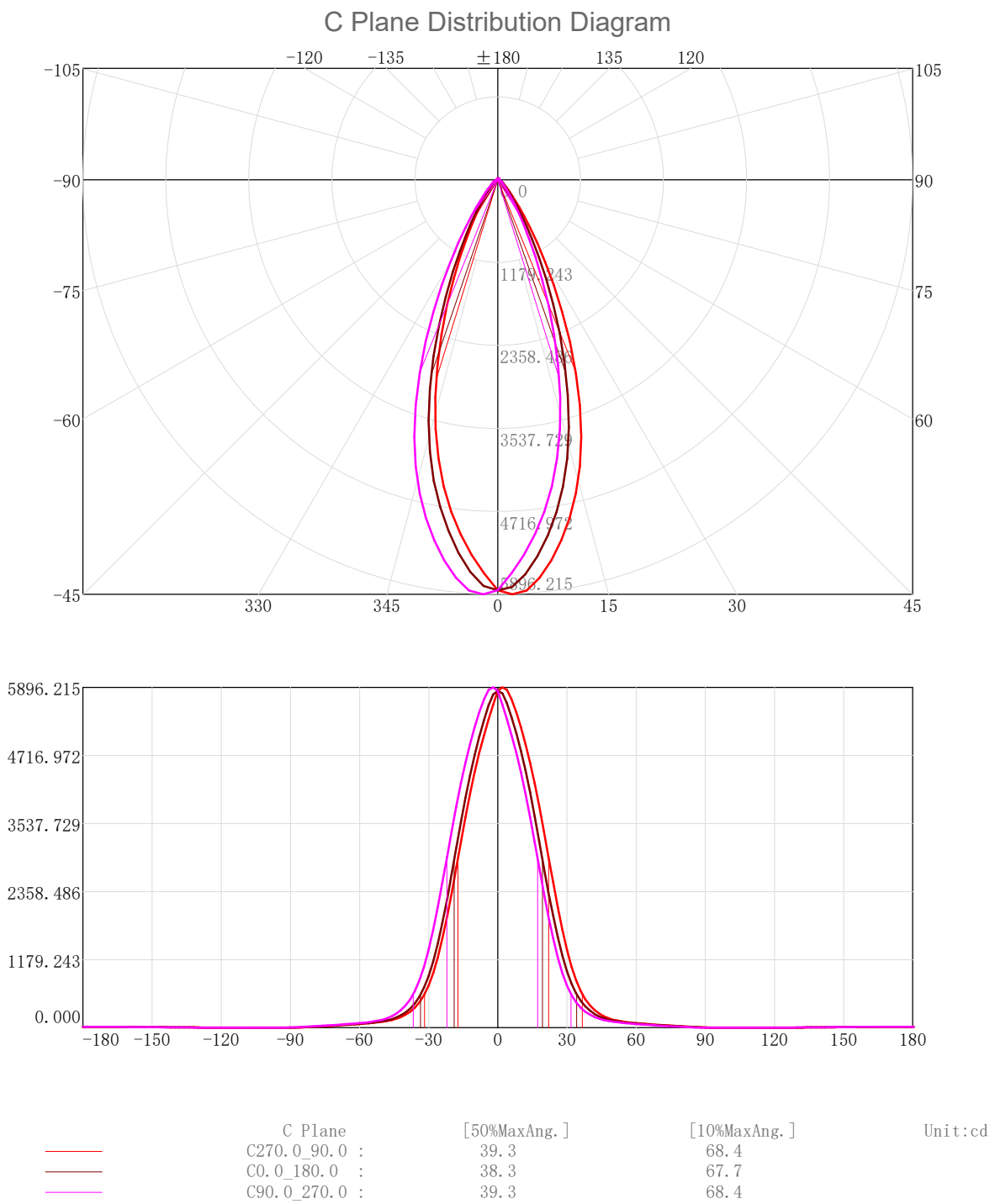
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 300.000	Luminary Flux(lm): 3109.928	Field Angle(10%Imax): 68.4(°)
Rated Power(W):	Luminary Efficiency: 1036.64%	Down Lumens&Percent: 3062.775lm 98.48%
Rated Voltage(V):	Luminary EER(lm/W): 112.434	Up Lumens&Percent: 47.153lm 1.52%
Tested Power(W): 27.660	Max. Candela(cd): 5896.215	S/MH: C0_a180=0.620 C90_270=0.639
Lamps' Inside: 1	Max Cand@Ang. (°): C=270.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf): 220.1, 0.131, 0.954	Beam Angle(50%Imax): 39.3(°)	ErP Φuse(90°): 2717.338lm
Lamp Size(W*L*H): 0.065m*~0.065m*0.000m	Left=-17.2° , Right=22.1°	IRF(%): 421.695



2D Plane Light Intensity Distribution Curve

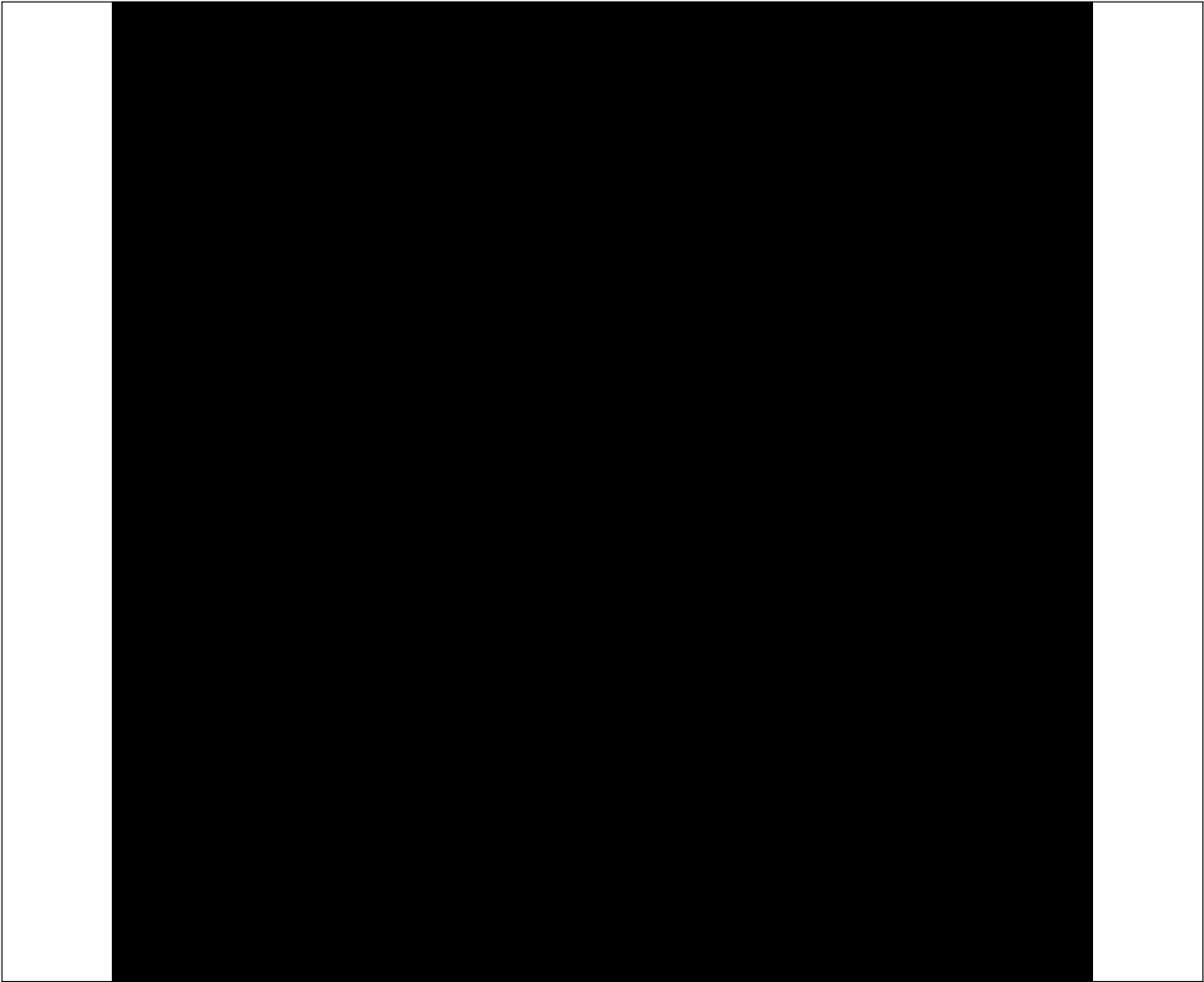
Lum. Name: NORDECOR	Lum. Catalog:	Test ID: t001
Lamp Name: 1178	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/25



3D Light Intensity Distribution Modal

Lum. Name: NORDECOR	Lum. Catelog:	Test ID: t001
Lamp Name: 1178	Lamp Catelog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/25

3D Light Intensity Distribution Modal



Curves:3D Model — Fixture — Vert. HUD — Hori. HUD —

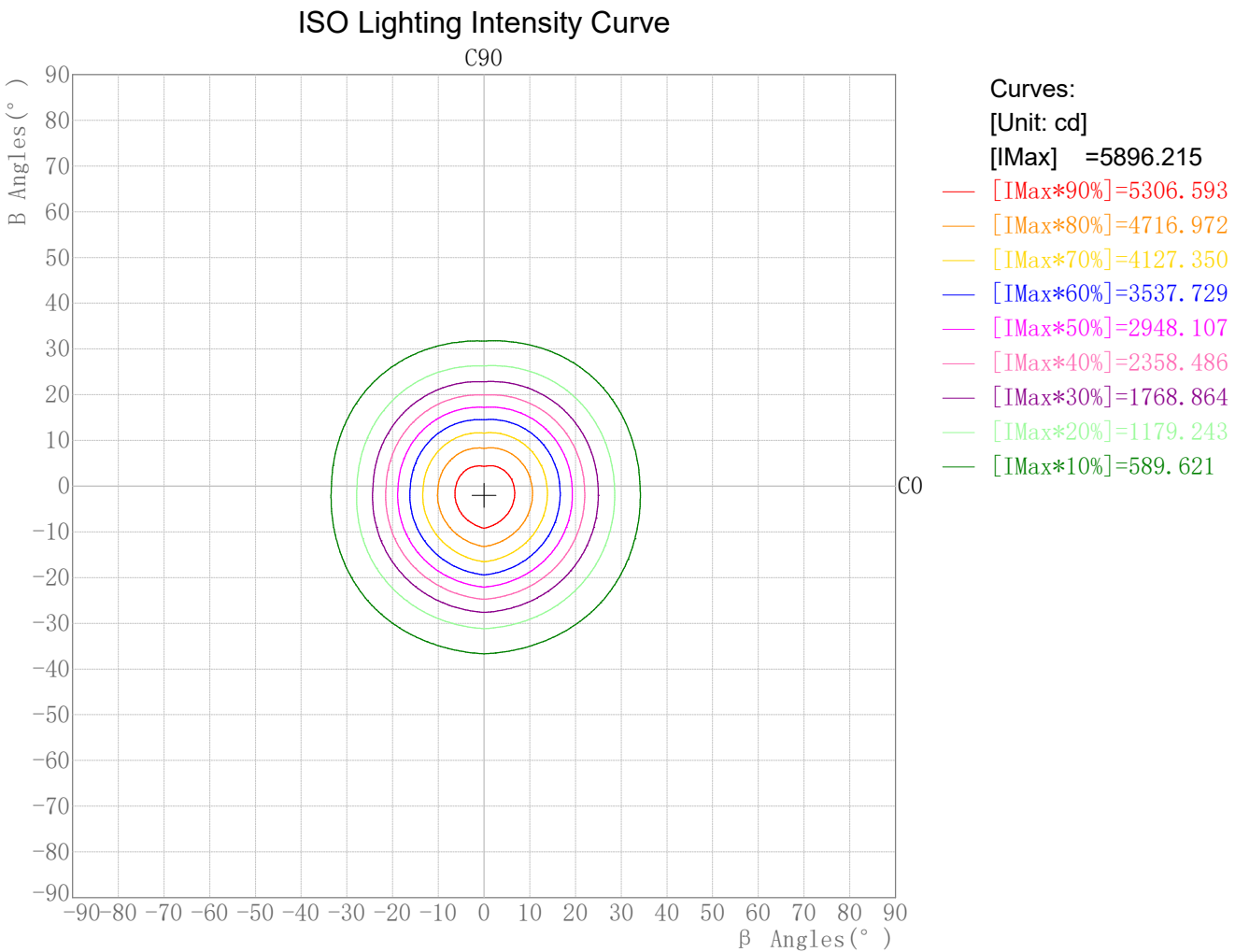
View Angles:Orient:0Tilt:0Roll:0Spin:0

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0. 0-2. 0	22. 20	22. 20	7. 40	7. 40	94. 0-96. 0	1. 03	3065. 95	0. 34	1021. 98
2. 0-4. 0	65. 24	87. 44	21. 75	29. 15	96. 0-98. 0	0. 98	3066. 93	0. 33	1022. 31
4. 0-6. 0	104. 84	192. 28	34. 95	64. 09	98. 0-100. 0	0. 97	3067. 91	0. 32	1022. 64
6. 0-8. 0	139. 78	332. 06	46. 59	110. 69	100. 0-102. 0	0. 99	3068. 89	0. 33	1022. 96
8. 0-10. 0	169. 48	501. 54	56. 49	167. 18	102. 0-104. 0	0. 99	3069. 88	0. 33	1023. 29
10. 0-12. 0	193. 28	694. 82	64. 43	231. 61	104. 0-106. 0	0. 98	3070. 86	0. 33	1023. 62
12. 0-14. 0	210. 32	905. 15	70. 11	301. 72	106. 0-108. 0	0. 96	3071. 82	0. 32	1023. 94
14. 0-16. 0	219. 83	1124. 98	73. 28	374. 99	108. 0-110. 0	0. 97	3072. 79	0. 32	1024. 26
16. 0-18. 0	221. 57	1346. 55	73. 86	448. 85	110. 0-112. 0	0. 97	3073. 76	0. 32	1024. 59
18. 0-20. 0	215. 77	1562. 32	71. 92	520. 77	112. 0-114. 0	0. 99	3074. 76	0. 33	1024. 92
20. 0-22. 0	203. 15	1765. 48	67. 72	588. 49	114. 0-116. 0	0. 99	3075. 75	0. 33	1025. 25
22. 0-24. 0	185. 24	1950. 71	61. 75	650. 24	116. 0-118. 0	0. 98	3076. 73	0. 33	1025. 58
24. 0-26. 0	164. 05	2114. 76	54. 68	704. 92	118. 0-120. 0	0. 99	3077. 71	0. 33	1025. 90
26. 0-28. 0	141. 53	2256. 29	47. 18	752. 10	120. 0-122. 0	0. 99	3078. 70	0. 33	1026. 23
28. 0-30. 0	119. 54	2375. 83	39. 85	791. 94	122. 0-124. 0	1. 01	3079. 71	0. 34	1026. 57
30. 0-32. 0	99. 53	2475. 36	33. 18	825. 12	124. 0-126. 0	1. 02	3080. 73	0. 34	1026. 91
32. 0-34. 0	82. 04	2557. 40	27. 35	852. 47	126. 0-128. 0	1. 04	3081. 77	0. 35	1027. 26
34. 0-36. 0	67. 37	2624. 78	22. 46	874. 93	128. 0-130. 0	1. 09	3082. 86	0. 36	1027. 62
36. 0-38. 0	55. 43	2680. 21	18. 48	893. 40	130. 0-132. 0	1. 13	3083. 99	0. 38	1028. 00
38. 0-40. 0	45. 87	2726. 08	15. 29	908. 69	132. 0-134. 0	1. 16	3085. 15	0. 39	1028. 38
40. 0-42. 0	38. 32	2764. 40	12. 77	921. 47	134. 0-136. 0	1. 24	3086. 38	0. 41	1028. 79
42. 0-44. 0	32. 43	2796. 83	10. 81	932. 28	136. 0-138. 0	1. 27	3087. 66	0. 42	1029. 22
44. 0-46. 0	27. 85	2824. 68	9. 28	941. 56	138. 0-140. 0	1. 31	3088. 96	0. 44	1029. 65
46. 0-48. 0	24. 31	2848. 99	8. 10	949. 66	140. 0-142. 0	1. 34	3090. 31	0. 45	1030. 10
48. 0-50. 0	21. 65	2870. 64	7. 22	956. 88	142. 0-144. 0	1. 39	3091. 69	0. 46	1030. 56
50. 0-52. 0	19. 60	2890. 24	6. 53	963. 41	144. 0-146. 0	1. 44	3093. 13	0. 48	1031. 04
52. 0-54. 0	18. 01	2908. 25	6. 00	969. 42	146. 0-148. 0	1. 45	3094. 58	0. 48	1031. 53
54. 0-56. 0	16. 68	2924. 94	5. 56	974. 98	148. 0-150. 0	1. 46	3096. 05	0. 49	1032. 02
56. 0-58. 0	15. 53	2940. 47	5. 18	980. 16	150. 0-152. 0	1. 46	3097. 51	0. 49	1032. 50
58. 0-60. 0	14. 52	2954. 98	4. 84	984. 99	152. 0-154. 0	1. 44	3098. 95	0. 48	1032. 98
60. 0-62. 0	13. 55	2968. 54	4. 52	989. 51	154. 0-156. 0	1. 41	3100. 36	0. 47	1033. 45
62. 0-64. 0	12. 63	2981. 17	4. 21	993. 72	156. 0-158. 0	1. 36	3101. 71	0. 45	1033. 90
64. 0-66. 0	11. 74	2992. 90	3. 91	997. 63	158. 0-160. 0	1. 29	3103. 01	0. 43	1034. 34
66. 0-68. 0	10. 85	3003. 75	3. 62	1001. 25	160. 0-162. 0	1. 22	3104. 23	0. 41	1034. 74
68. 0-70. 0	9. 93	3013. 69	3. 31	1004. 56	162. 0-164. 0	1. 14	3105. 37	0. 38	1035. 12
70. 0-72. 0	9. 00	3022. 69	3. 00	1007. 56	164. 0-166. 0	1. 03	3106. 39	0. 34	1035. 46
72. 0-74. 0	8. 05	3030. 74	2. 68	1010. 25	166. 0-168. 0	0. 91	3107. 31	0. 30	1035. 77
74. 0-76. 0	7. 08	3037. 82	2. 36	1012. 61	168. 0-170. 0	0. 78	3108. 09	0. 26	1036. 03
76. 0-78. 0	6. 14	3043. 96	2. 05	1014. 65	170. 0-172. 0	0. 65	3108. 74	0. 22	1036. 25
78. 0-80. 0	5. 21	3049. 17	1. 74	1016. 39	172. 0-174. 0	0. 51	3109. 26	0. 17	1036. 42
80. 0-82. 0	4. 34	3053. 51	1. 45	1017. 84	174. 0-176. 0	0. 37	3109. 63	0. 12	1036. 54
82. 0-84. 0	3. 46	3056. 97	1. 15	1018. 99	176. 0-178. 0	0. 23	3109. 85	0. 08	1036. 62
84. 0-86. 0	2. 63	3059. 60	0. 88	1019. 87	178. 0-180. 0	0. 08	3109. 93	0. 03	1036. 64
86. 0-88. 0	1. 86	3061. 46	0. 62	1020. 49					
88. 0-90. 0	1. 32	3062. 78	0. 44	1020. 93					
90. 0-92. 0	1. 10	3063. 88	0. 37	1021. 29					
92. 0-94. 0	1. 04	3064. 92	0. 35	1021. 64					

Rectangle ISO Lighting Intensity Diagram

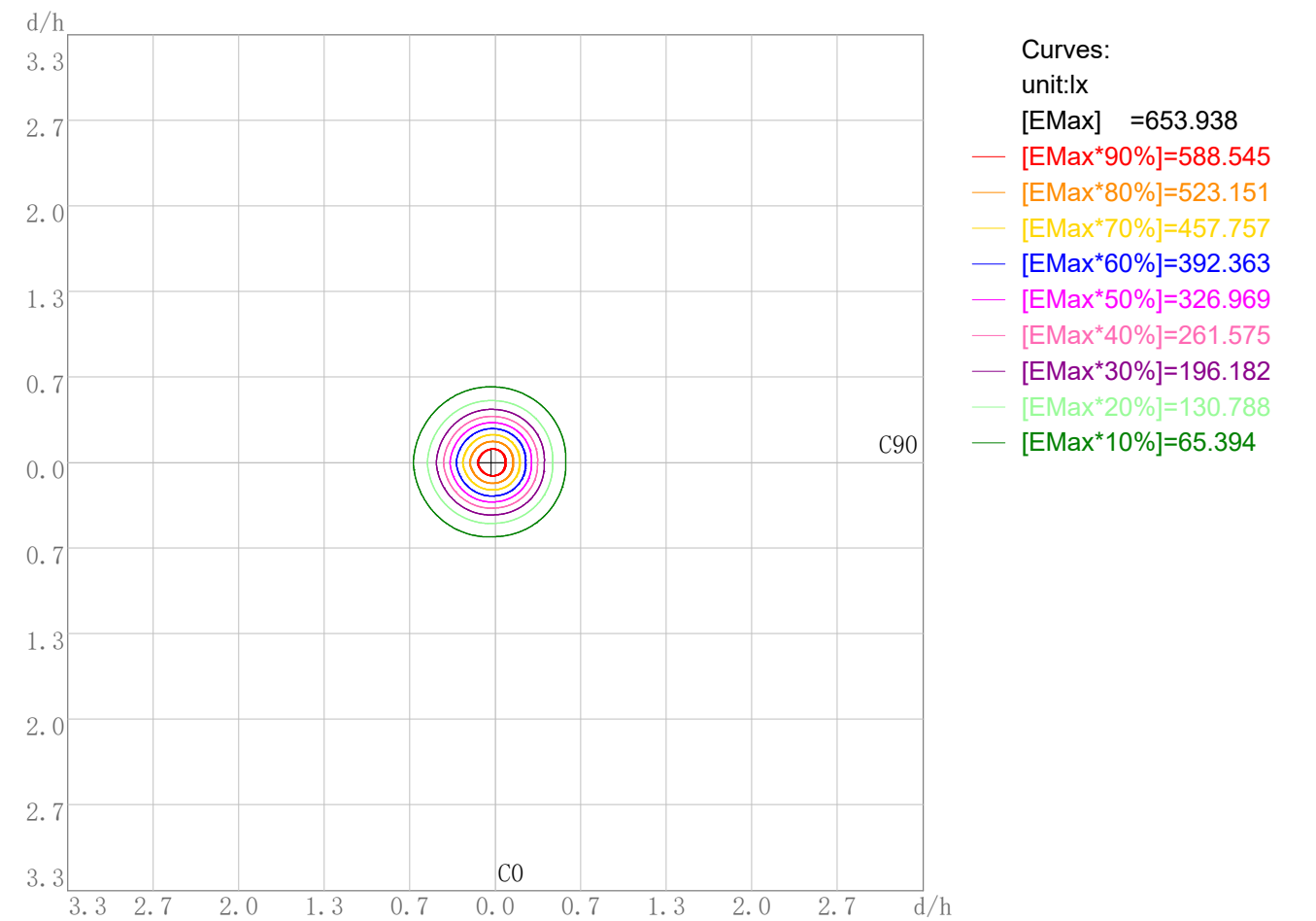
Lum. Name: NORDECOR	Lum. Catalog:	Test ID: t001
Lamp Name: 1178	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/25



Plane ISO-Illuminance Diagram

Lum. Name:筒灯款式7	Lum. Catelog:	Test ID:t001
Lamp Name:led	Lamp Catelog:led	Test Lab:volnic
Manufacture:	Test Machine:GON-2000	Test Date:2025/08/25

Plane ISO-Illuminance Curve

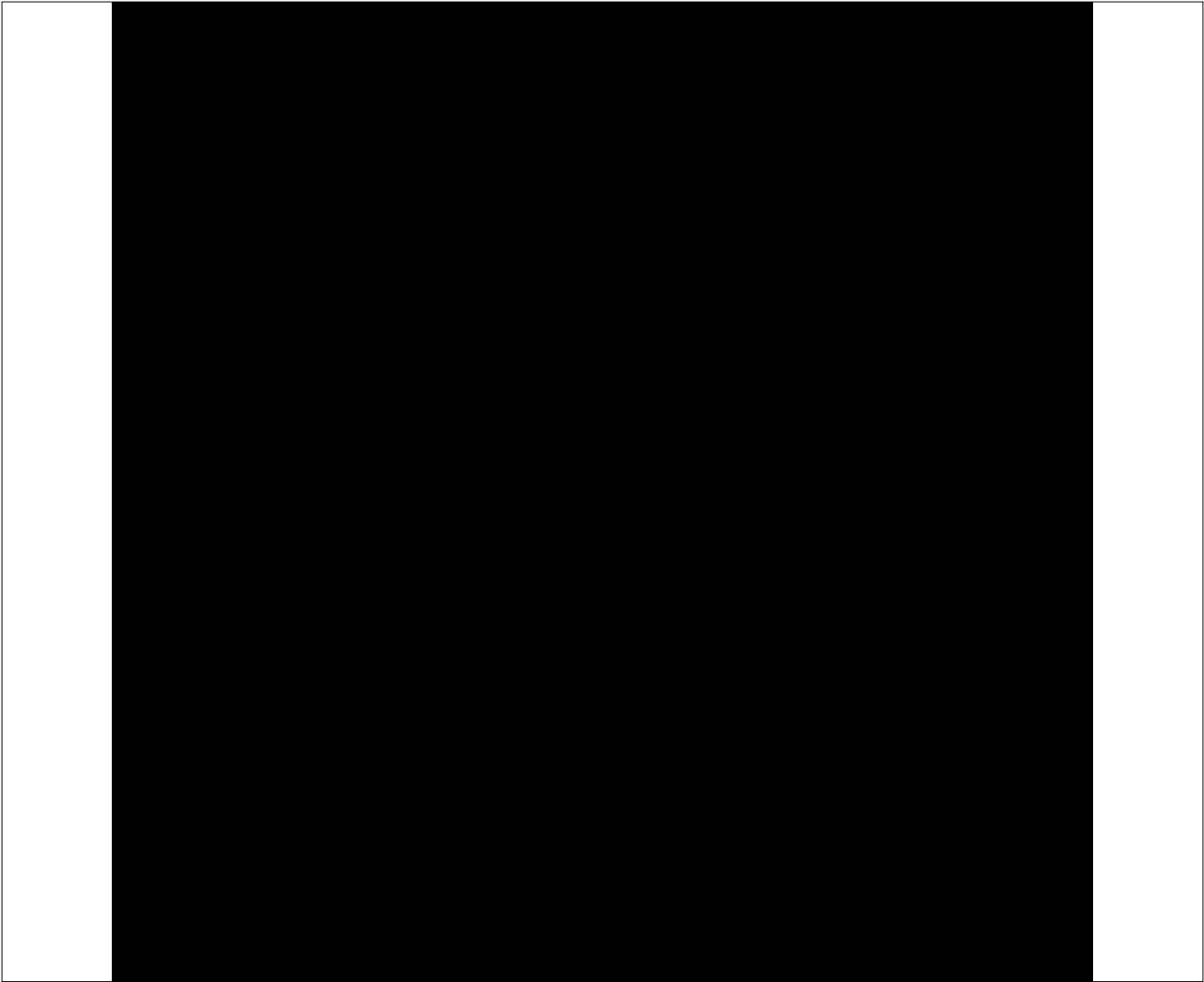


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 653.94
Working Plane Maximum Illuminance Position(d/h):H-0.0 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name:筒灯款式7	Lum. Catelog:	Test ID:t001
Lamp Name:led	Lamp Catelog:led	Test Lab:volnic
Manufacture:	Test Machine:GON-2000	Test Date:2025/08/25

3D Plane Illuminance Modal



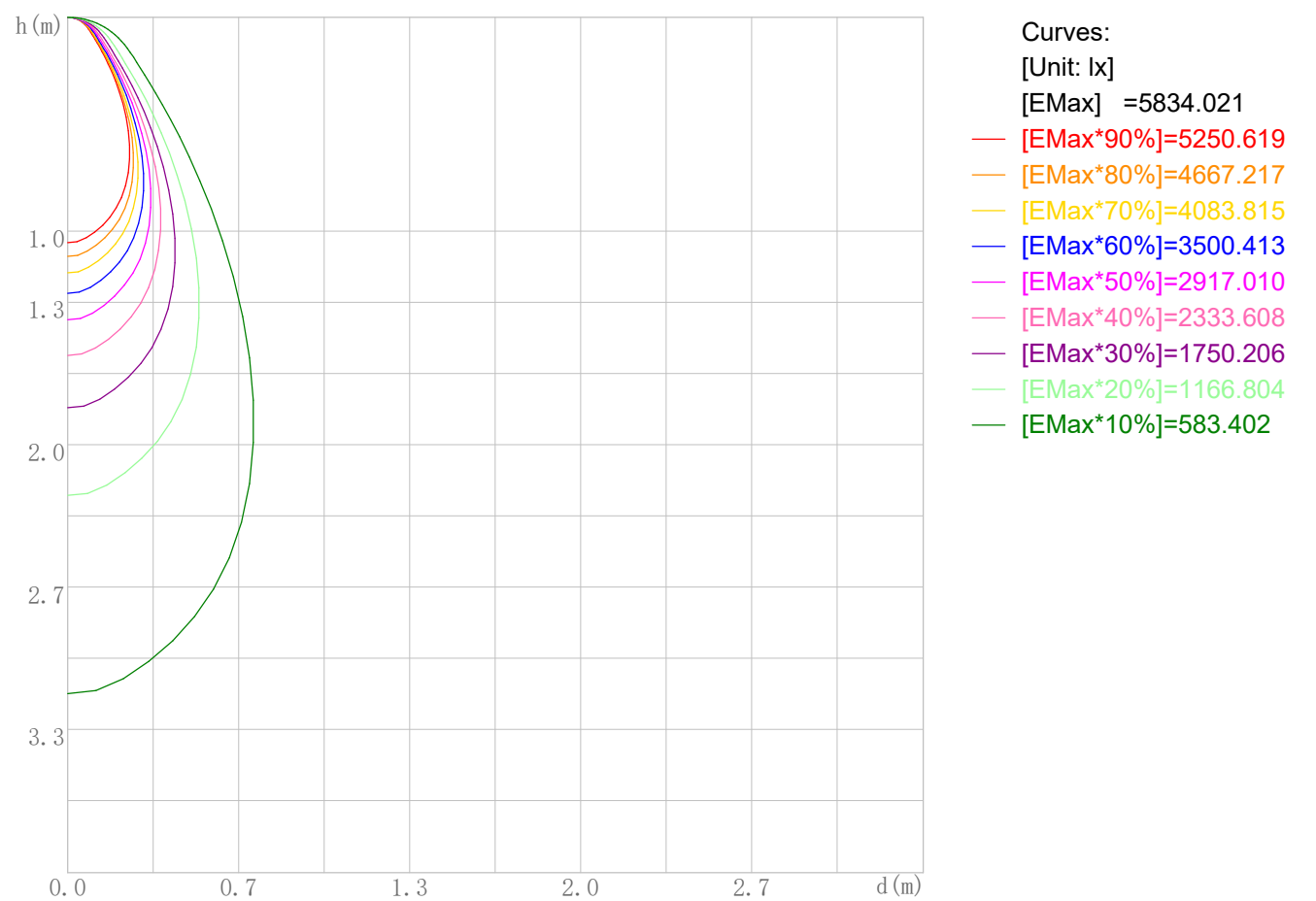
Curves: 3D Model90%80%70%60%50%40%30%20%10%

View Angles(deg): 0Height(m): 3.0Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name:筒灯款式7	Lum. Catalog:	Test ID:t001
Lamp Name:led	Lamp Catalog:led	Test Lab:volnic
Manufacture:	Test Machine:GON-2000	Test Date:2025/08/25

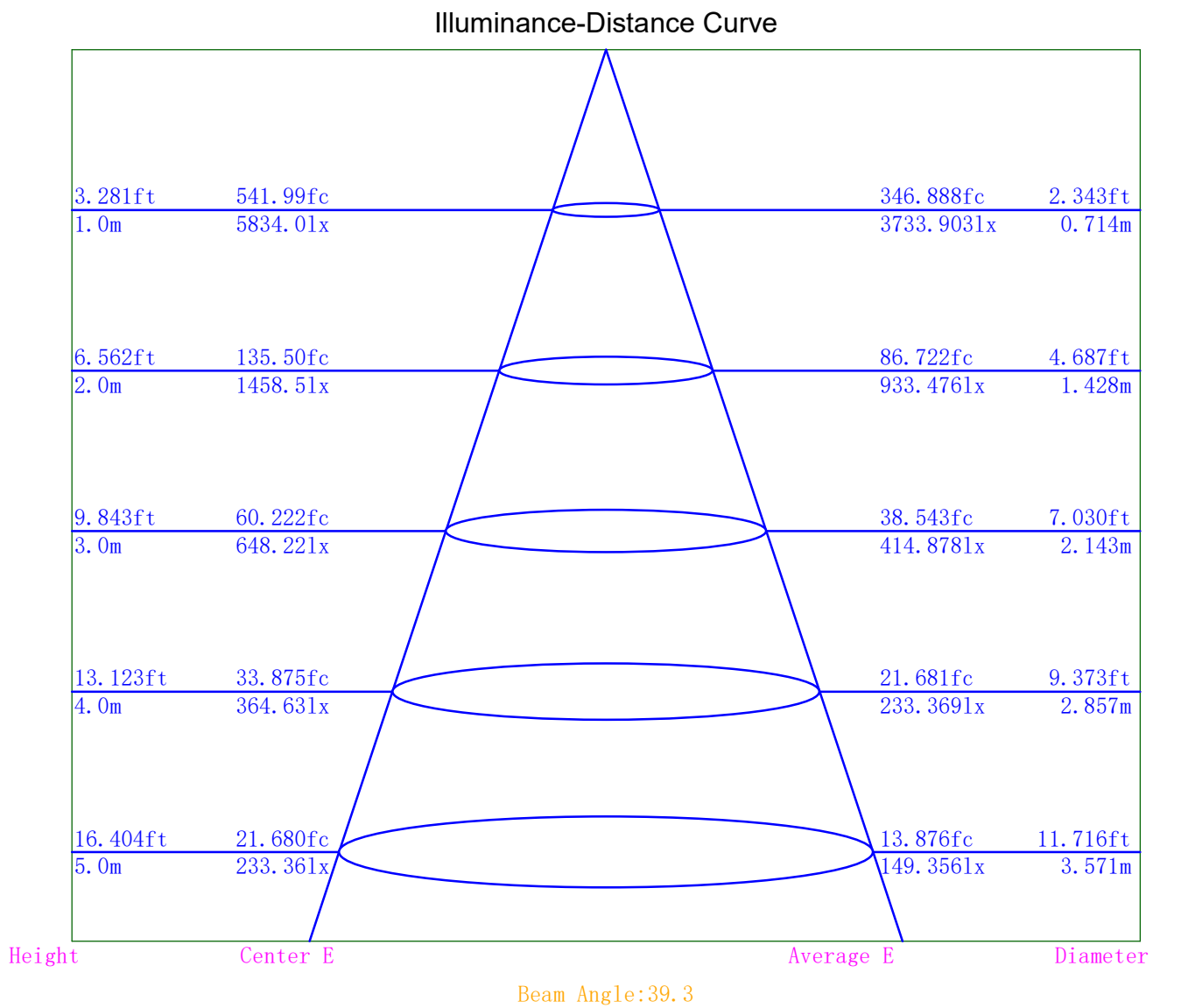
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:5834.02lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:5834.021cd,0eg

Illuminance-Distance Diagram

Lum. Name:筒灯款式7	Lum. Catalog:	Test ID:t001
Lamp Name:led	Lamp Catalog:led	Test Lab:volnic
Manufacture:	Test Machine:GON-2000	Test Date:2025/08/25



Indoor Luminance Limiting Curves

Lum. Name:筒灯款式7	Lum. Catalog:	Test ID:t001
Lamp Name:led	Lamp Catalog:led	Test Lab:volnic
Manufacture:	Test Machine:GON-2000	Test Date:2025/08/25

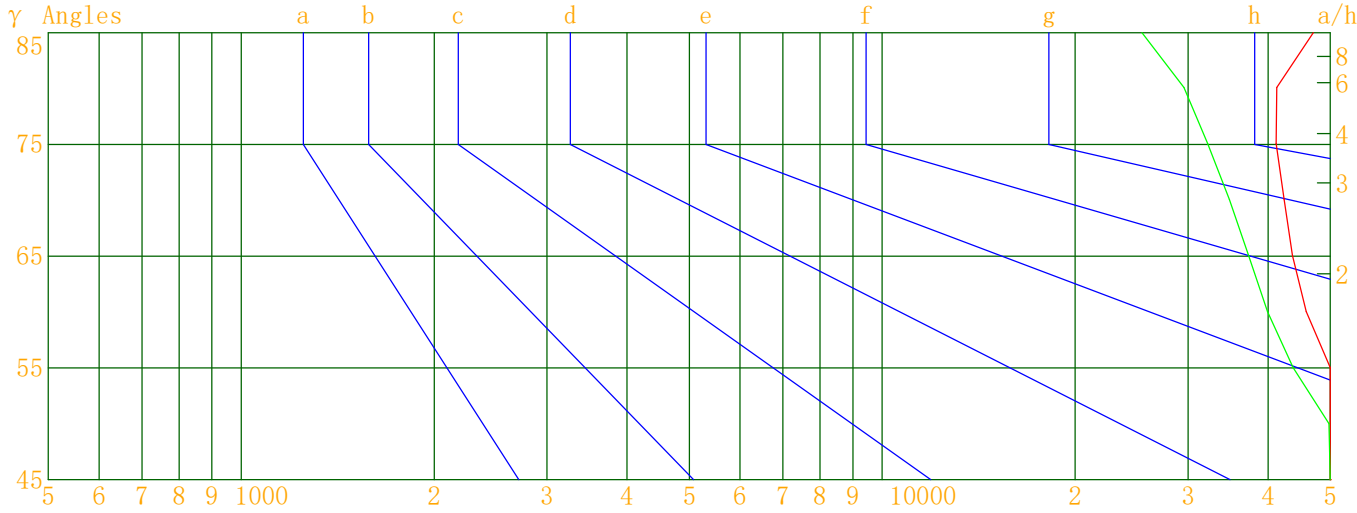
Glare Grade Table

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	77329	58280	50028	45845	43649	42349	41172	41243	47026
C90	62932	49772	43740	39917	37295	34822	32181	29555	25435

Luminance Limiting Curve



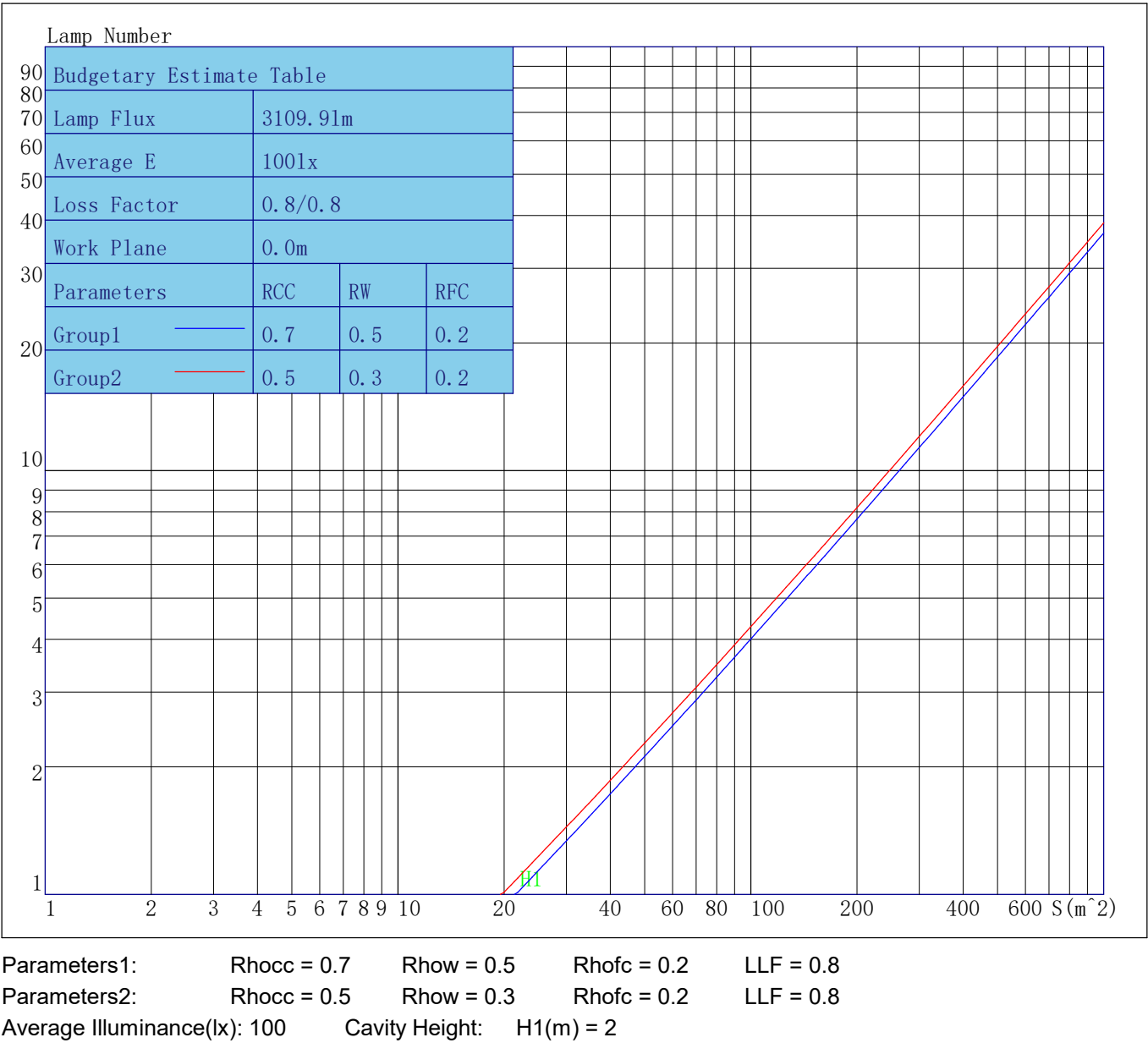
Luminous Size: Length(m)=-0.065 Width(m)=-0.065 Height(m)=0.000 Area(m^2)=0.003318

Luminous Type: Without Luminous Side

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

Indoor Budgetary Estimate Table

Lum. Name:筒灯款式7	Lum. Catalog:	Test ID:t001
Lamp Name:led	Lamp Catalog:led	Test Lab:volnic
Manufacture:	Test Machine:GON-2000	Test Date:2025/08/25



Indoor Coefficient of Utilization Table

Lum. Name:筒灯款式7	Lum. Catelog:	Test ID:t001
Lamp Name:led	Lamp Catelog:led	Test Lab:volnic
Manufacture:	Test Machine:GON-2000	Test Date:2025/08/25

Coefficients of Utilization - Zonal Cavity Method																
Coef.	Effective Floor Cavity Reflectance RFC=0.20															
RhoCC (%)	80				70				50				30			
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30
RCR	Coefficient of Utilization(%)															
0	1230	1230	1230	1230	1200	1200	1200	1200	1143	1143	1143	1091	1091	1091	1043	1043
1	1171	1141	1115	1091	1144	1117	1094	1072	1073	1054	1036	1031	1016	1003	993	982
2	1114	1063	1021	985	1089	1044	1005	973	1008	976	949	974	949	927	944	923
3	1060	994	943	902	1038	979	932	894	949	910	878	922	890	862	897	870
4	1010	934	878	835	991	921	869	829	897	853	818	874	837	807	854	822
5	964	880	822	779	946	870	815	775	850	803	766	831	790	758	814	778
6	921	833	773	731	905	824	768	728	807	758	722	791	748	715	776	739
7	881	790	730	689	867	782	726	687	768	718	682	754	710	677	742	703
8	844	751	692	652	831	744	689	650	732	682	647	720	676	643	710	669
9	809	715	658	619	797	710	655	618	699	650	615	689	644	612	680	639
10	777	683	627	590	766	678	625	588	669	620	586	660	615	584	652	611

Unified Glare Rating Table

Lum. Name:筒灯款式7	Lum. Catalog:	Test ID: t001
Lamp Name: led	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/25

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	13.0	15.2	13.4	15.6	15.9	11.8	14.0	12.2	14.3	14.7
	Y=3H	13.8	15.9	14.2	16.2	16.6	12.6	14.7	13.0	15.0	15.4
	Y=4H	14.1	16.2	14.5	16.6	17.0	12.9	15.0	13.3	15.4	15.7
	Y=6H	14.5	16.5	14.9	16.9	17.3	13.2	15.2	13.6	15.6	16.0
	Y=8H	14.6	16.6	15.0	17.1	17.5	13.2	15.3	13.7	15.7	16.1
	Y=12H	14.8	16.8	15.2	17.2	17.6	13.3	15.3	13.7	15.7	16.2
X=4H	Y=2H	13.2	15.3	13.6	15.6	16.0	12.0	14.1	12.4	14.5	14.9
	Y=3H	14.1	16.1	14.5	16.5	16.9	13.0	15.0	13.4	15.4	15.8
	Y=4H	14.6	16.5	15.0	17.0	17.4	13.4	15.4	13.9	15.8	16.2
	Y=6H	15.1	17.0	15.5	17.4	17.8	13.8	15.7	14.2	16.1	16.6
	Y=8H	15.3	17.2	15.7	17.6	18.1	13.9	15.8	14.4	16.3	16.7
	Y=12H	15.5	17.3	15.9	17.8	18.3	14.0	15.9	14.5	16.3	16.8
X=8H	Y=4H	14.7	16.6	15.1	17.0	17.5	13.6	15.5	14.0	15.9	16.4
	Y=6H	15.3	17.1	15.7	17.6	18.5	14.0	15.9	14.5	16.3	17.3
	Y=8H	15.5	17.3	16.0	17.8	18.2	14.2	16.0	14.6	16.4	16.9
	Y=12H	15.8	17.6	16.3	18.0	18.5	14.3	16.1	14.8	16.6	17.0
X=12H	Y=4H	14.7	16.6	15.2	17.0	17.5	13.6	15.4	14.1	15.9	16.4
	Y=6H	15.3	17.1	15.8	17.6	18.1	14.0	15.9	14.5	16.3	16.8
	Y=8H	15.6	17.4	16.0	17.8	18.3	14.2	16.0	14.7	16.5	17.0
Variations with the objerver position at spacings											
S=1.0H		0.3/-0.4					0.5/-0.5				
S=1.5H		0.6/-0.7					0.8/-0.9				
S=2.0H		0.8/-0.9					1.0/-1.2				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		2.2					2.1				

o the CIE Pub.117, data has been corrected, refers to the lamp's lumens 8.2flm.

IES Indoor Report
Photometric Filename:1178.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	5834.02	5834.02	5834.02	5834.02
γ 2.0	5794.20	5598.03	5775.45	5896.21
γ 4.0	5622.24	5346.80	5586.96	5852.94
γ 6.0	5380.46	5067.89	5330.49	5689.35
γ 8.0	5105.45	4762.60	5039.58	5462.99
γ 10.0	4798.48	4427.16	4719.80	5204.20
γ 12.0	4460.25	4053.69	4371.71	4914.58
γ 14.0	4080.97	3647.39	3983.72	4593.21
γ 16.0	3663.48	3217.88	3561.62	4234.80
γ 18.0	3224.32	2777.61	3123.33	3841.10
γ 20.0	2779.52	2341.95	2673.69	3414.11
γ 22.0	2346.81	1927.54	2229.07	2965.80
γ 24.0	1940.91	1546.47	1818.35	2518.10
γ 26.0	1572.84	1218.23	1454.96	2089.60
γ 28.0	1247.80	947.54	1144.42	1696.20
γ 30.0	980.75	732.40	895.07	1350.47
γ 32.0	766.34	567.49	697.87	1058.63
γ 34.0	597.59	442.62	541.24	823.17
γ 36.0	469.33	349.35	423.85	637.40
γ 38.0	371.26	279.59	333.46	495.56
γ 40.0	296.28	227.28	266.52	388.82
γ 42.0	239.25	188.13	217.22	307.28
γ 44.0	197.31	158.73	180.23	246.56
γ 46.0	165.58	136.59	151.18	200.34
γ 48.0	142.12	119.39	130.00	167.34
γ 50.0	124.31	106.16	114.88	142.03
γ 52.0	110.39	95.64	102.26	124.47
γ 54.0	100.06	87.19	92.82	109.86
γ 56.0	90.38	79.31	84.25	99.08
γ 58.0	82.94	72.36	76.97	90.25
γ 60.0	76.06	66.23	70.84	82.11
γ 62.0	69.77	60.30	64.66	75.23
γ 64.0	64.21	55.05	59.40	68.54
γ 66.0	58.21	49.55	54.06	63.32
γ 68.0	53.50	44.94	49.04	57.31
γ 70.0	48.06	39.52	43.62	52.17
γ 72.0	43.12	34.72	39.08	46.95
γ 74.0	37.75	30.17	33.70	41.65
γ 76.0	32.97	25.11	29.16	36.99
γ 78.0	28.43	21.14	24.18	31.72
γ 80.0	23.76	17.03	19.89	27.51
γ 82.0	19.31	13.34	16.35	22.93
γ 84.0	15.38	9.23	11.99	18.71
γ 86.0	11.82	5.49	8.48	15.10
γ 88.0	7.29	4.48	4.74	10.54
γ 90.0	5.76	3.98	4.29	7.07
γ 92.0	5.27	4.32	4.13	5.39

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Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	5.19	4.06	4.17	5.48
γ 96.0	4.97	4.32	4.30	5.22
γ 98.0	4.79	3.86	3.96	4.72
γ 100.0	4.91	4.03	4.37	5.37
γ 102.0	4.59	4.41	4.02	5.01
γ 104.0	5.07	4.45	4.33	5.12
γ 106.0	4.47	4.69	3.79	5.06
γ 108.0	4.98	4.21	4.27	5.07
γ 110.0	4.91	4.71	4.31	4.99
γ 112.0	5.36	4.30	4.51	4.99
γ 114.0	5.28	4.83	4.75	5.28
γ 116.0	5.23	4.85	4.48	5.11
γ 118.0	5.28	5.12	4.84	5.24
γ 120.0	5.02	5.45	4.89	5.39
γ 122.0	5.46	5.23	5.34	5.29
γ 124.0	5.39	5.92	5.37	5.80
γ 126.0	5.82	5.92	5.66	5.49
γ 128.0	5.84	6.86	6.03	5.68
γ 130.0	6.72	7.30	6.62	6.31
γ 132.0	6.57	7.69	7.02	6.19
γ 134.0	7.25	8.46	7.46	7.27
γ 136.0	8.18	8.89	8.72	7.53
γ 138.0	8.28	9.70	8.56	8.18
γ 140.0	9.18	10.25	9.72	8.80
γ 142.0	9.57	11.11	10.39	8.93
γ 144.0	10.58	12.20	11.25	9.93
γ 146.0	11.02	13.15	12.20	11.15
γ 148.0	11.80	13.58	12.57	11.92
γ 150.0	12.89	14.10	14.14	12.47
γ 152.0	13.37	15.20	14.62	13.19
γ 154.0	14.49	15.58	15.25	14.23
γ 156.0	15.05	16.59	15.66	14.65
γ 158.0	15.76	16.76	16.67	15.40
γ 160.0	16.26	17.83	16.96	15.92
γ 162.0	17.41	18.22	17.86	16.79
γ 164.0	18.01	18.28	18.26	16.84
γ 166.0	18.41	19.02	18.54	17.50
γ 168.0	18.46	18.97	18.92	18.06
γ 170.0	18.66	19.29	18.93	18.63
γ 172.0	19.18	19.36	19.24	19.13
γ 174.0	19.11	19.82	19.40	18.28
γ 176.0	19.55	19.79	19.77	19.39
γ 178.0	19.82	19.77	20.00	19.21
γ 180.0	19.76	19.76	19.76	19.76