

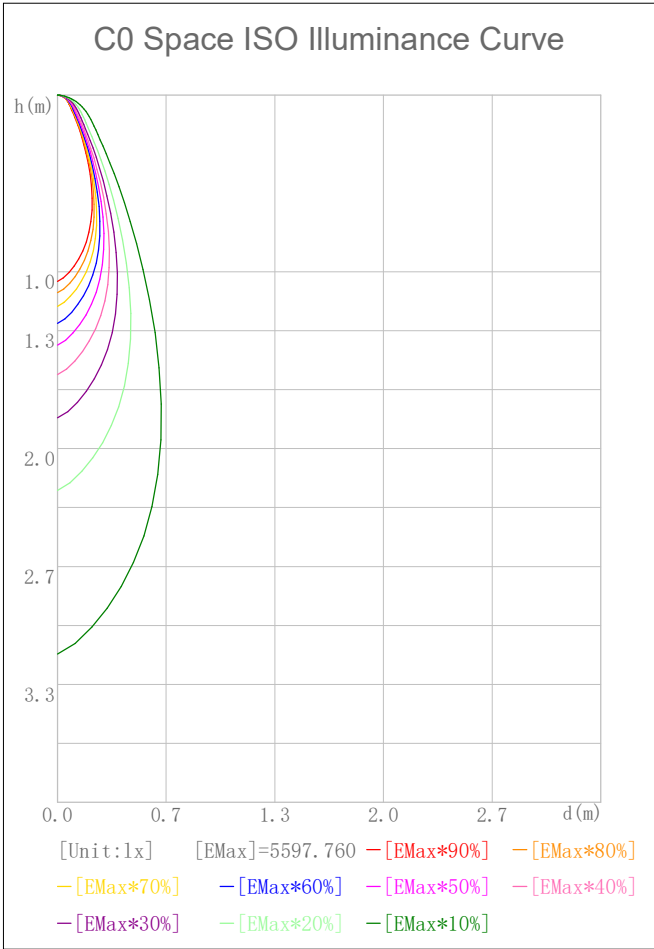
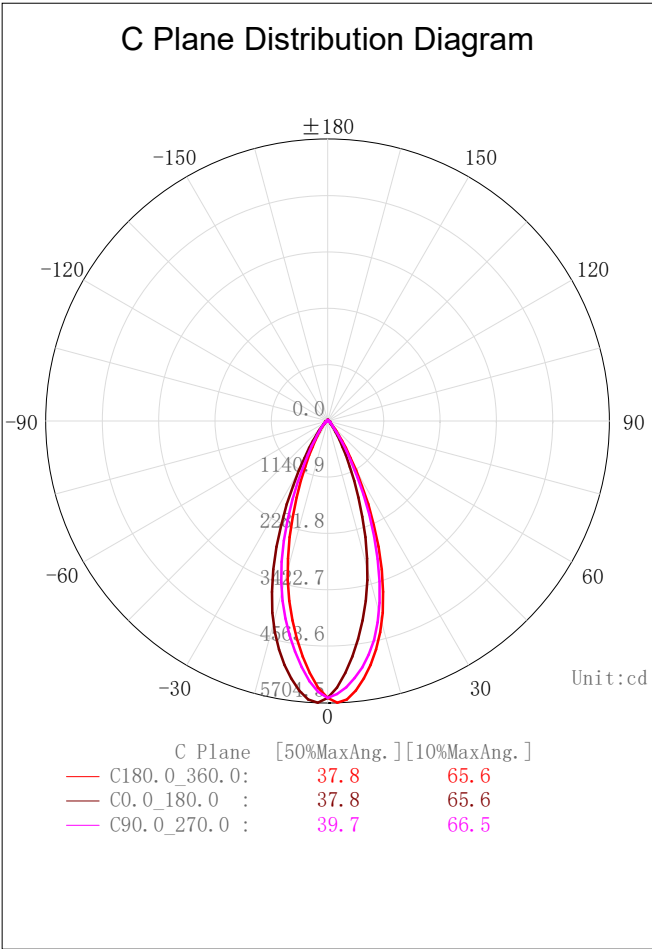
Indoor Luminaire Photometric Data

Description Information

Luminary Name: NORDECOR		Lum. Catalog:	Test ID: t001
Lamp Name: 1177		Lamp Catalog: led	Test Date: 2025/08/21
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab: volnic		Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.092m*-0.092m*0.000m		Lum. Area (m2):0.007	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=2.0	Temp. (°C): 25	Humidity(%): 60.0

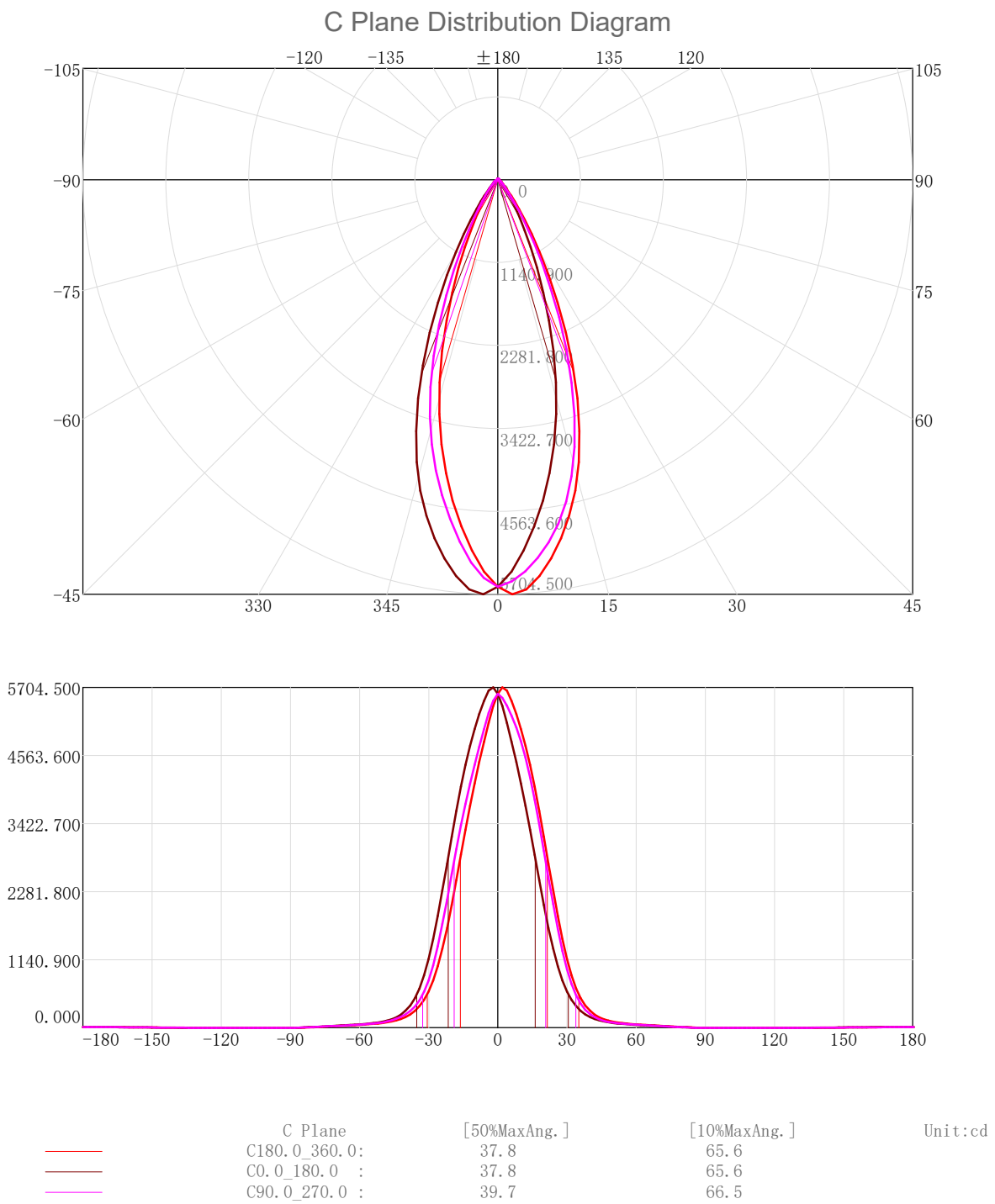
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 250.000	Luminary Flux(lm): 2822.047	Field Angle(10%Imax): 65.6(°)	
Rated Power(W):	Luminary Efficiency: 1128.82%	Down Lumens&Percent: 2808.803lm 99.53%	
Rated Voltage(V):	Luminary EER(lm/W): 102.882	Up Lumens&Percent: 13.245lm 0.47%	
Tested Power(W): 27.430	Max. Candela(cd): 5704.500	S/MH: C0_a180=0.620 C90_270=0.641	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=2.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):220.6, 0.131, 0.943		ErP Φuse(90°): 2737.403lm	
Lamp Size(W*L*H):0.092m*-0.092m*0.000m		IRF(%): 473.497	
		Left=-16.2°, Right=21.5°	



2D Plane Light Intensity Distribution Curve

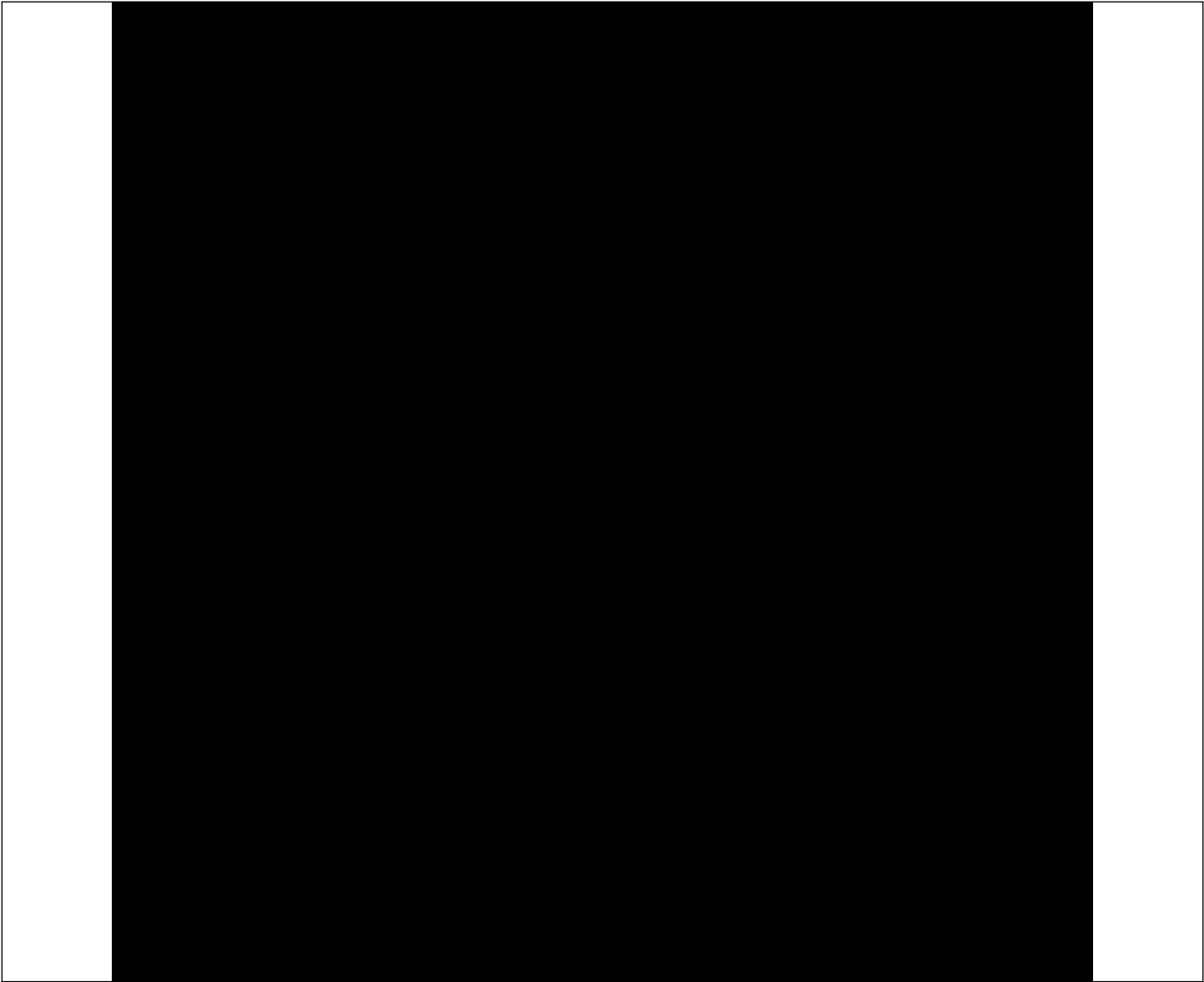
Lum. Name: NORDECOR	Lum. Catalog:	Test ID: t001
Lamp Name: 1177	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21



3D Light Intensity Distribution Modal

Lum. Name: NORDECOR	Lum. Catelog:	Test ID: t001
Lamp Name: 1177	Lamp Catelog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21

3D Light Intensity Distribution Modal



Curves:

3D Model

Fixture

Vert. HUD

Hori. HUD

View Angles:

Orient:0

Tilt:0

Roll:0

Spin:0

IES Indoor Report

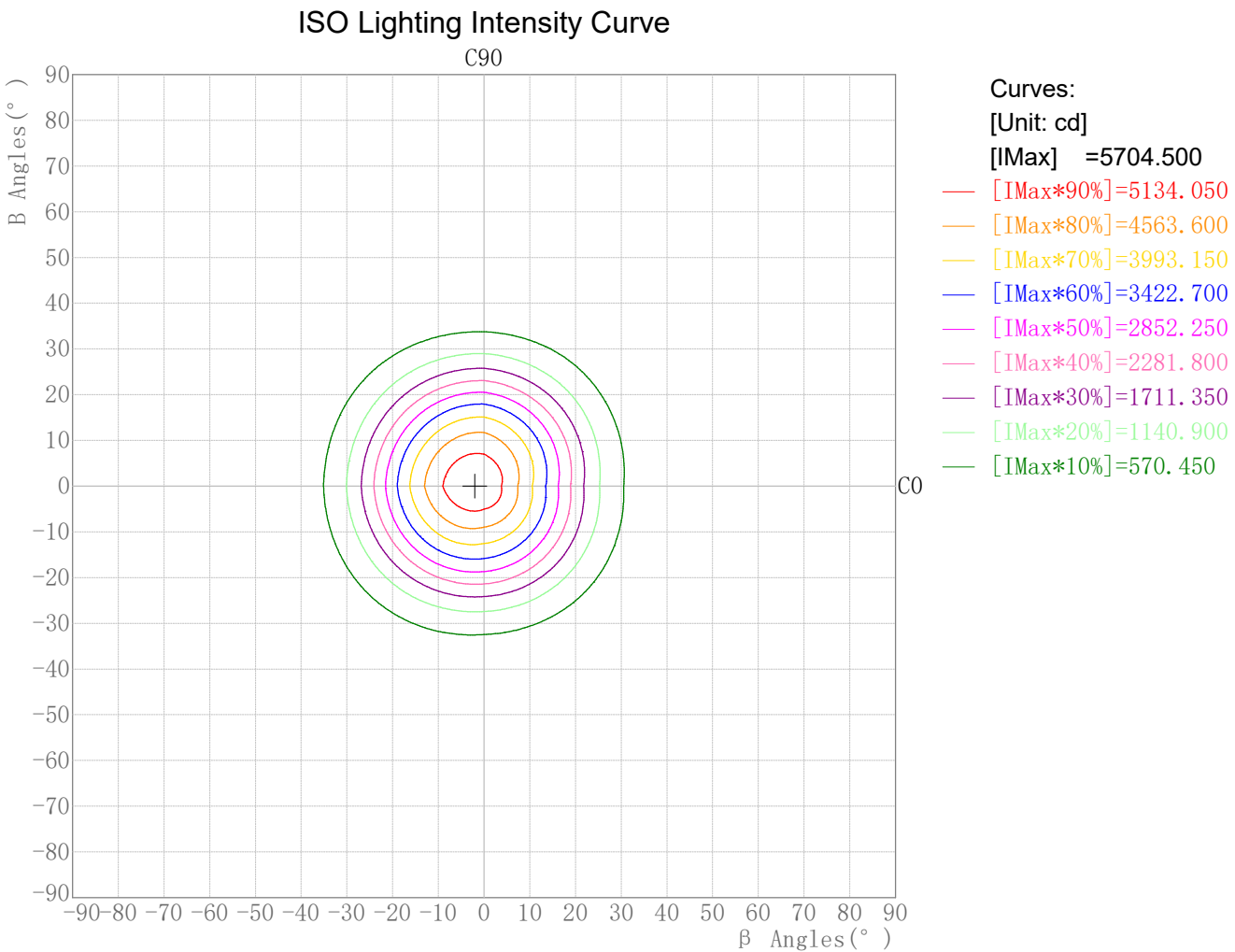
Photometric Filename:1177.IES

Zonal Flux Tabulation

Zone (γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
0.0-2.0	21.29	21.29	8.52	8.52	94.0-96.0	0.00	2808.80	0.00	1123.52
2.0-4.0	62.47	83.76	24.99	33.50	96.0-98.0	0.00	2808.80	0.00	1123.52
4.0-6.0	100.21	183.97	40.08	73.59	98.0-100.0	0.00	2808.80	0.00	1123.52
6.0-8.0	133.53	317.49	53.41	127.00	100.0-102.0	0.00	2808.80	0.00	1123.52
8.0-10.0	161.98	479.48	64.79	191.79	102.0-104.0	0.00	2808.80	0.00	1123.52
10.0-12.0	185.03	664.51	74.01	265.80	104.0-106.0	0.00	2808.80	0.00	1123.52
12.0-14.0	201.87	866.38	80.75	346.55	106.0-108.0	0.00	2808.80	0.00	1123.52
14.0-16.0	211.64	1078.02	84.66	431.21	108.0-110.0	0.00	2808.80	0.00	1123.52
16.0-18.0	213.77	1291.79	85.51	516.71	110.0-112.0	0.00	2808.80	0.00	1123.52
18.0-20.0	208.18	1499.96	83.27	599.98	112.0-114.0	0.00	2808.80	0.00	1123.52
20.0-22.0	195.44	1695.40	78.18	678.16	114.0-116.0	0.00	2808.80	0.00	1123.52
22.0-24.0	177.04	1872.44	70.82	748.98	116.0-118.0	0.00	2808.80	0.00	1123.52
24.0-26.0	154.95	2027.39	61.98	810.96	118.0-120.0	0.00	2808.80	0.00	1123.52
26.0-28.0	131.31	2158.70	52.52	863.48	120.0-122.0	0.00	2808.80	0.00	1123.52
28.0-30.0	108.41	2267.10	43.36	906.84	122.0-124.0	0.00	2808.81	0.00	1123.52
30.0-32.0	87.87	2354.98	35.15	941.99	124.0-126.0	0.02	2808.83	0.01	1123.53
32.0-34.0	70.43	2425.41	28.17	970.16	126.0-128.0	0.05	2808.88	0.02	1123.55
34.0-36.0	56.24	2481.65	22.50	992.66	128.0-130.0	0.09	2808.98	0.04	1123.59
36.0-38.0	45.06	2526.71	18.02	1010.68	130.0-132.0	0.15	2809.13	0.06	1123.65
38.0-40.0	36.44	2563.15	14.58	1025.26	132.0-134.0	0.22	2809.35	0.09	1123.74
40.0-42.0	29.87	2593.02	11.95	1037.21	134.0-136.0	0.29	2809.64	0.12	1123.86
42.0-44.0	24.91	2617.93	9.97	1047.17	136.0-138.0	0.36	2810.00	0.15	1124.00
44.0-46.0	21.19	2639.13	8.48	1055.65	138.0-140.0	0.44	2810.44	0.18	1124.18
46.0-48.0	18.38	2657.51	7.35	1063.00	140.0-142.0	0.51	2810.95	0.20	1124.38
48.0-50.0	16.27	2673.78	6.51	1069.51	142.0-144.0	0.58	2811.53	0.23	1124.61
50.0-52.0	14.65	2688.43	5.86	1075.37	144.0-146.0	0.64	2812.17	0.26	1124.87
52.0-54.0	13.39	2701.82	5.36	1080.73	146.0-148.0	0.70	2812.87	0.28	1125.15
54.0-56.0	12.38	2714.20	4.95	1085.68	148.0-150.0	0.75	2813.61	0.30	1125.45
56.0-58.0	11.49	2725.69	4.60	1090.28	150.0-152.0	0.78	2814.40	0.31	1125.76
58.0-60.0	10.71	2736.40	4.28	1094.56	152.0-154.0	0.80	2815.20	0.32	1126.08
60.0-62.0	9.97	2746.37	3.99	1098.55	154.0-156.0	0.81	2816.01	0.33	1126.41
62.0-64.0	9.25	2755.62	3.70	1102.25	156.0-158.0	0.81	2816.82	0.32	1126.73
64.0-66.0	8.54	2764.15	3.41	1105.66	158.0-160.0	0.79	2817.61	0.32	1127.05
66.0-68.0	7.82	2771.97	3.13	1108.79	160.0-162.0	0.76	2818.37	0.30	1127.35
68.0-70.0	7.08	2779.06	2.83	1111.62	162.0-164.0	0.71	2819.08	0.28	1127.63
70.0-72.0	6.33	2785.39	2.53	1114.15	164.0-166.0	0.65	2819.73	0.26	1127.89
72.0-74.0	5.56	2790.95	2.22	1116.38	166.0-168.0	0.59	2820.32	0.23	1128.13
74.0-76.0	4.78	2795.72	1.91	1118.29	168.0-170.0	0.51	2820.83	0.20	1128.33
76.0-78.0	4.00	2799.72	1.60	1119.89	170.0-172.0	0.43	2821.26	0.17	1128.50
78.0-80.0	3.22	2802.94	1.29	1121.18	172.0-174.0	0.34	2821.60	0.14	1128.64
80.0-82.0	2.46	2805.40	0.99	1122.16	174.0-176.0	0.25	2821.85	0.10	1128.74
82.0-84.0	1.75	2807.15	0.70	1122.86	176.0-178.0	0.15	2822.00	0.06	1128.80
84.0-86.0	1.07	2808.22	0.43	1123.29	178.0-180.0	0.05	2822.05	0.02	1128.82
86.0-88.0	0.47	2808.69	0.19	1123.48					
88.0-90.0	0.11	2808.80	0.04	1123.52					
90.0-92.0	0.00	2808.80	0.00	1123.52					
92.0-94.0	0.00	2808.80	0.00	1123.52					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: NORDECOR	Lum. Catalog:	Test ID: t001
Lamp Name: 1177	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21

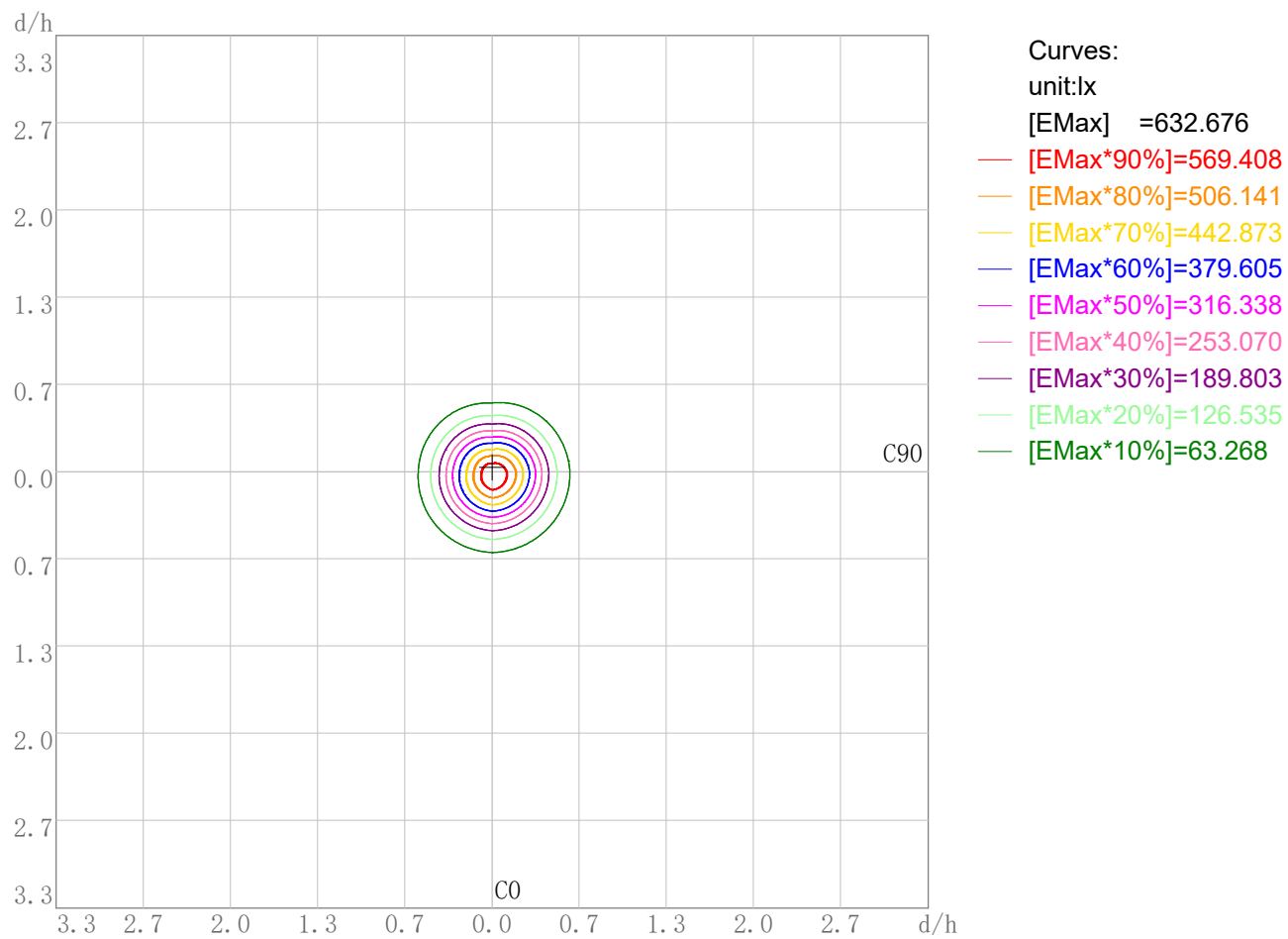


Maximum Light Intensity(cd): 5704.50
Maximum Cand.@Angle: H=-2.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: t001
Lamp Name: led	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 632.68
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

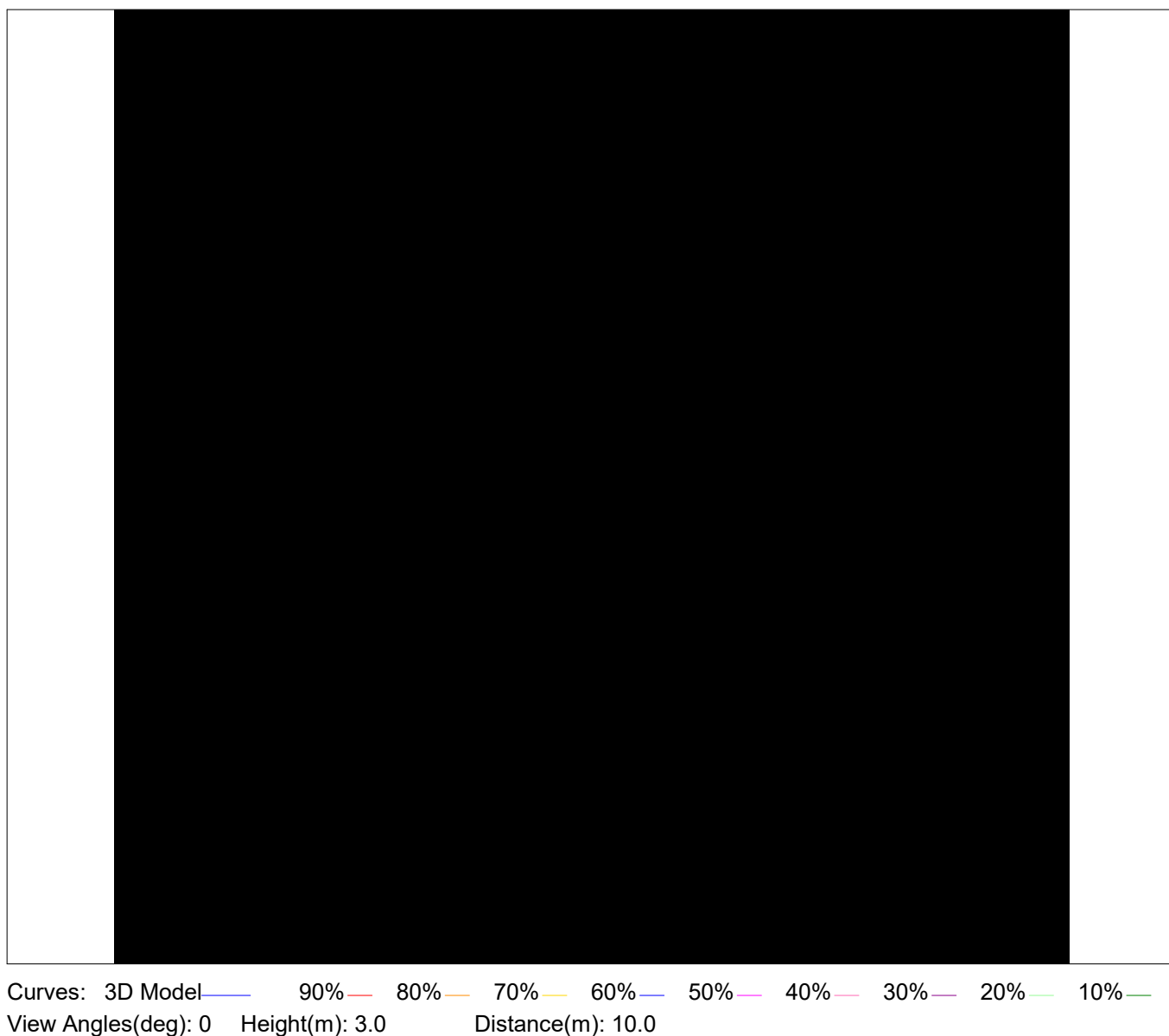
IES Indoor Report

Photometric Filename:1177.IES

3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: t001
Lamp Name: led	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine: GON-2000	Test Date: 2025/08/21

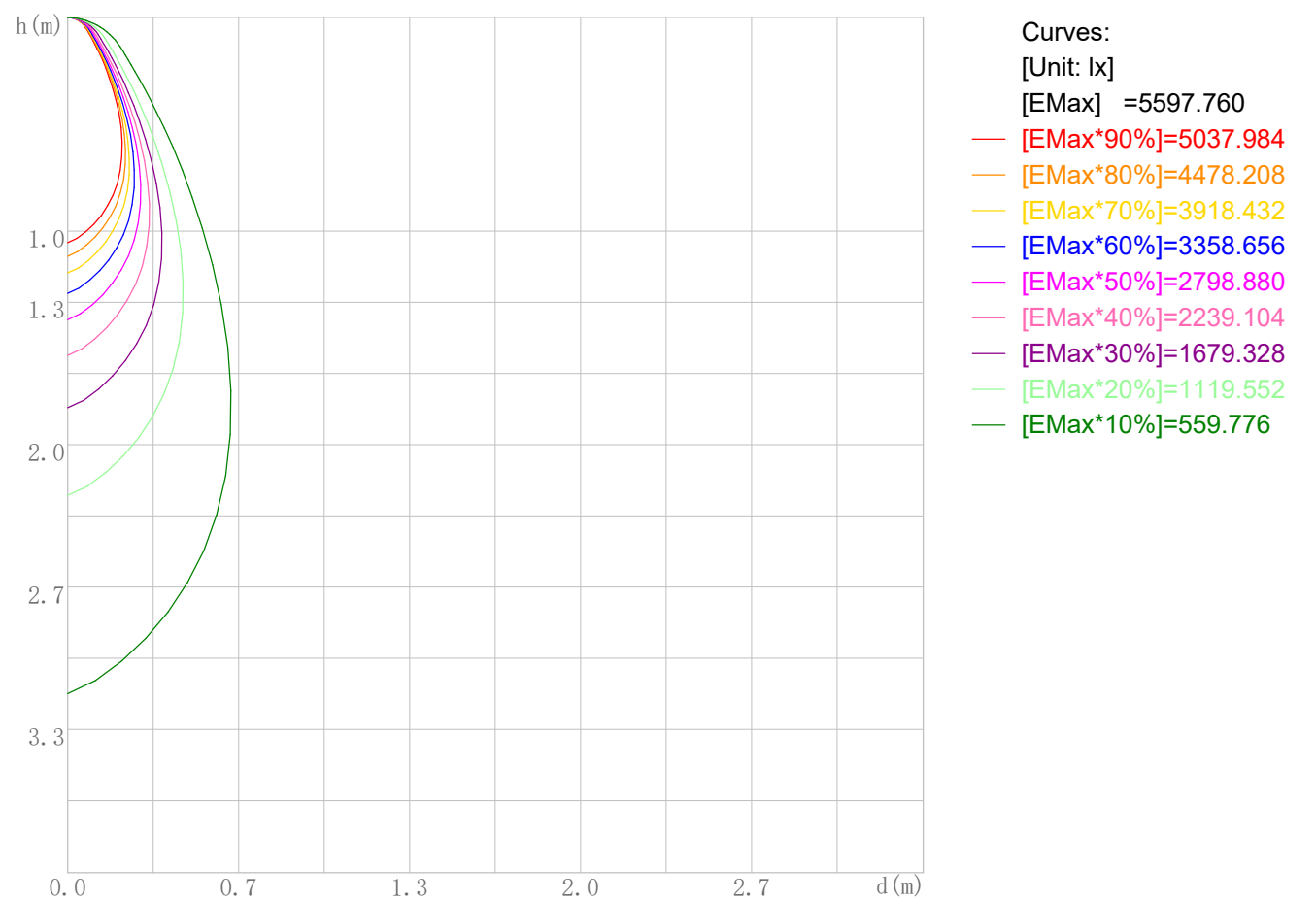
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: t001
Lamp Name: led	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21

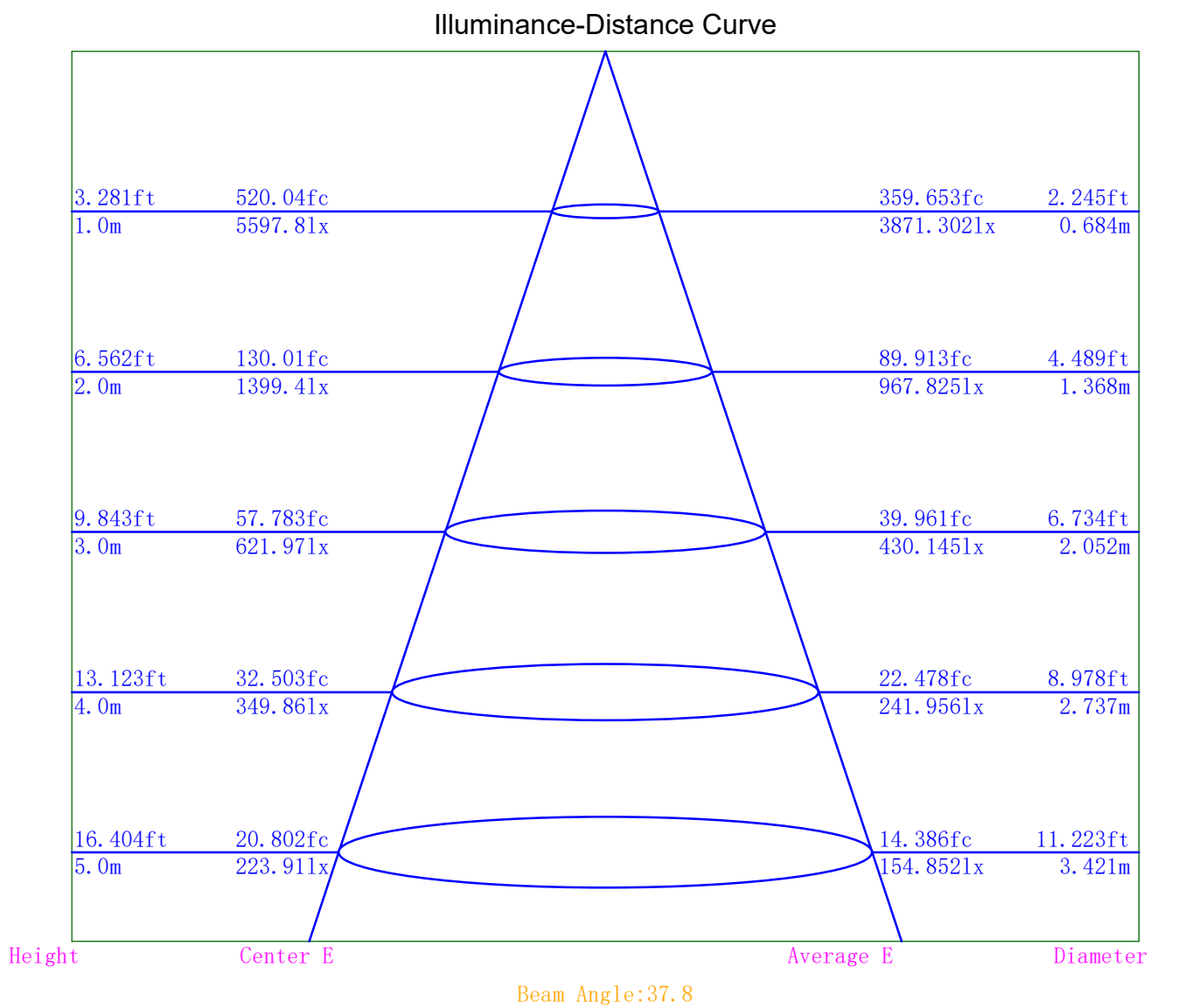
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:5597.76lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:5597.760cd,0deg

Illuminance-Distance Diagram

Lum. Name:	Lum. Catalog:	Test ID: t001
Lamp Name: led	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21



Indoor Luminance Limiting Curves

Lum. Name:	Lum. Catalog:	Test ID: t001
Lamp Name: led	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21

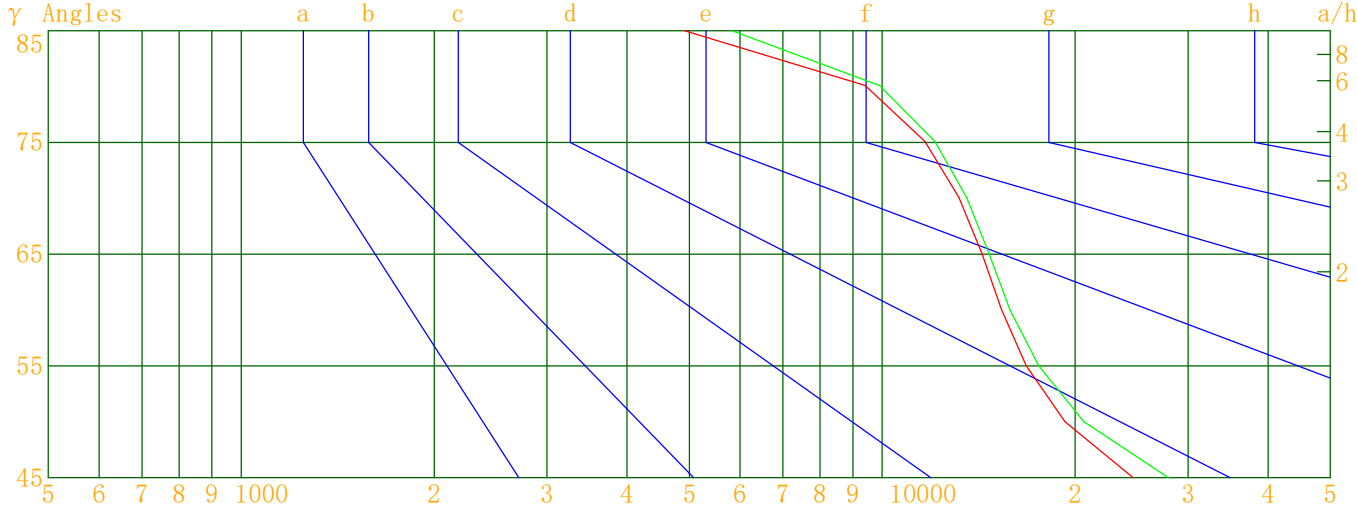
Glare Grade Table

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	24633	19266	16769	15342	14308	13166	11656	9408	4916
C90	27929	20618	17536	15822	14673	13548	12085	9903	5828

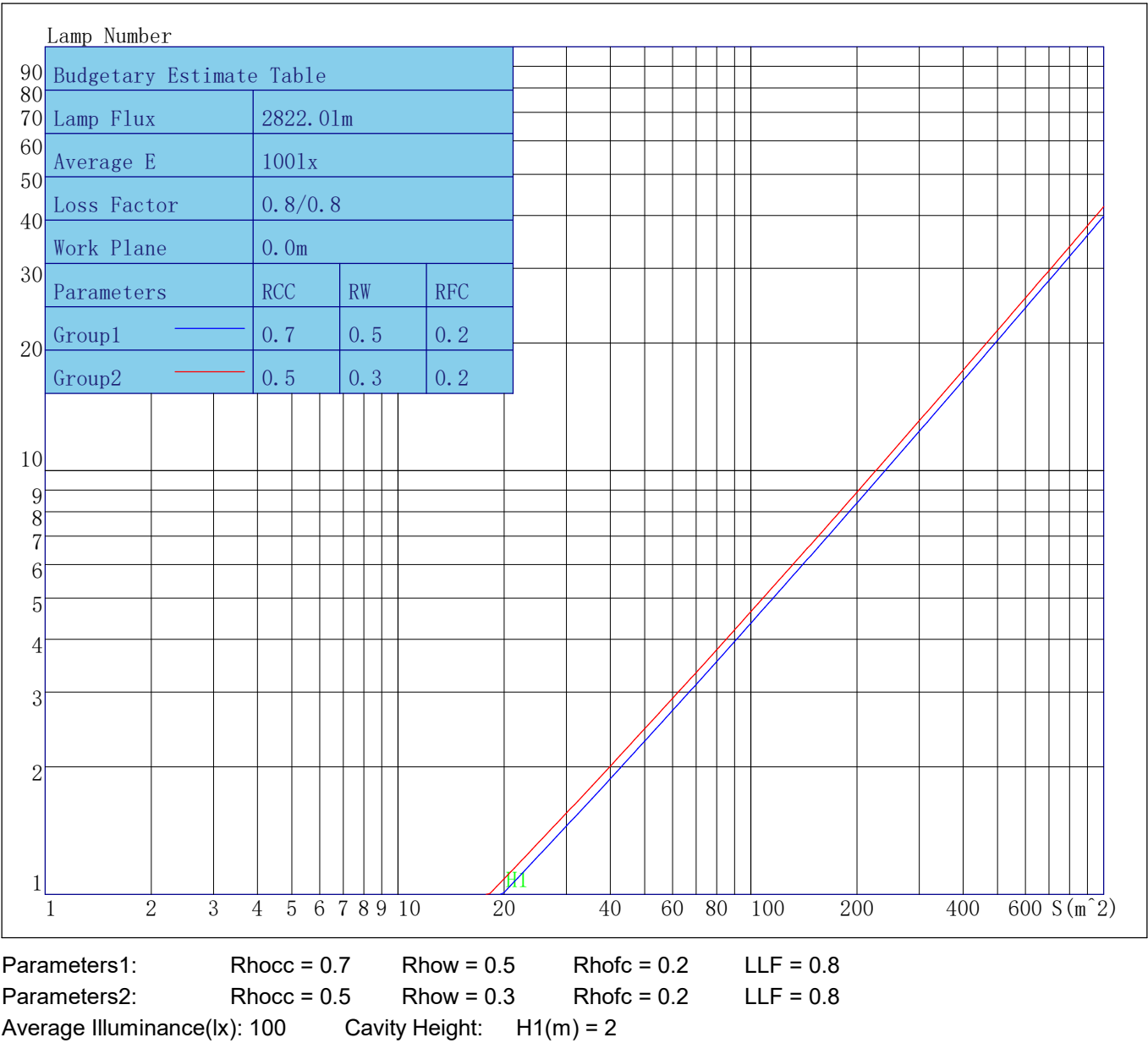
Luminance Limiting Curve



Luminous Size: Length(m)=-0.092 Width(m)=-0.092 Height(m)=0.000 Area(m^2)=0.006648
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

Indoor Budgetary Estimate Table

Lum. Name:	Lum. Catalog:	Test ID: t001
Lamp Name: led	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21



Indoor Coefficient of Utilization Table

Lum. Name:	Lum. Catelog:	Test ID: t001
Lamp Name: led	Lamp Catelog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21

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	1343	1343	1343	1343	1311	1311	1311	1311	1251	1251	1251	1197	1197	1197	1147	1147
1	1282	1251	1224	1199	1253	1226	1202	1179	1180	1160	1142	1137	1121	1107	1097	1085
2	1222	1169	1125	1088	1197	1149	1110	1076	1112	1080	1052	1078	1052	1028	1046	1025
3	1166	1097	1044	1002	1144	1081	1033	993	1051	1011	977	1024	990	961	998	970
4	1114	1034	975	931	1094	1021	967	925	996	950	913	974	934	902	952	919
5	1065	977	916	871	1047	967	909	867	946	897	859	927	884	851	910	873
6	1019	926	864	819	1003	917	859	816	900	849	811	885	839	805	870	830
7	977	880	818	775	962	873	814	772	859	806	768	845	798	764	832	791
8	937	839	777	735	924	832	774	733	820	767	730	809	761	726	798	755
9	900	801	740	699	888	795	737	698	785	732	695	775	727	693	765	722
10	865	766	706	667	854	761	704	666	752	700	664	743	695	662	735	691

Unified Glare Rating Table

Lum. Name:	Lum. Catalog:	Test ID: t001
Lamp Name: led	Lamp Catalog: led	Test Lab: volnic
Manufacture:	Test Machine:GON-2000	Test Date: 2025/08/21

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 Y=3H Y=4H Y=6H Y=8H Y=12H	7.8	10.0	8.2	10.4	10.7	9.0	11.2	9.4	11.6	11.9
	8.5	10.7	8.9	11.0	11.3	9.5	11.7	9.9	12.0	12.3
	8.8	10.9	9.2	11.2	11.6	9.7	11.8	10.1	12.2	12.5
	8.9	11.0	9.4	11.4	11.8	9.8	11.9	10.2	12.3	12.7
	9.0	11.0	9.4	11.4	11.8	9.8	11.9	10.3	12.3	12.7
	9.0	11.0	9.4	11.4	11.8	9.8	11.9	10.3	12.3	12.7
X=4H Y=2H Y=3H Y=4H Y=6H Y=8H Y=12H	8.0	10.1	8.4	10.5	10.8	9.1	11.2	9.5	11.5	11.9
	8.8	10.9	9.2	11.3	11.7	9.7	11.7	10.1	12.1	12.5
	9.2	11.2	9.6	11.6	12.0	10.0	12.0	10.4	12.4	12.8
	9.5	11.4	9.9	11.8	12.2	10.2	12.1	10.6	12.5	12.9
	9.5	11.4	9.9	11.8	12.3	10.2	12.1	10.7	12.6	13.0
	9.5	11.4	10.0	11.8	12.3	10.2	12.1	10.7	12.6	13.0
X=8H Y=4H Y=6H Y=8H Y=12H	9.3	11.2	9.7	11.6	12.1	10.0	11.9	10.5	12.4	12.8
	9.6	11.4	10.0	11.9	12.8	10.2	12.1	10.7	12.6	13.5
	9.6	11.5	10.1	11.9	12.3	10.3	12.1	10.7	12.6	13.0
	9.6	11.4	10.1	11.9	12.3	10.3	12.1	10.7	12.5	13.0
X=12H Y=4H Y=6H Y=8H	9.3	11.2	9.7	11.6	12.1	10.0	11.9	10.5	12.3	12.8
	9.6	11.4	10.0	11.8	12.3	10.2	12.1	10.7	12.5	13.0
	9.6	11.4	10.1	11.9	12.3	10.3	12.1	10.7	12.5	13.0
Variations with the objerver position at spacings										
S=1.0H	0.6/-0.7					0.6/-0.7				
S=1.5H	1.1/-1.2					1.0/-1.2				
S=2.0H	1.3/-1.7					1.2/-1.6				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.6					1.4				

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

IES Indoor Report
Photometric Filename:1177.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	5597.76	5597.76	5597.76	5597.76
γ 2.0	5394.65	5528.09	5704.50	5479.39
γ 4.0	5108.36	5399.38	5649.36	5275.49
γ 6.0	4793.55	5229.25	5480.50	5004.71
γ 8.0	4455.49	5033.71	5259.40	4709.85
γ 10.0	4096.06	4803.09	5007.39	4406.44
γ 12.0	3719.59	4527.01	4724.73	4088.56
γ 14.0	3319.39	4198.69	4405.31	3751.93
γ 16.0	2900.09	3823.97	4039.01	3389.64
γ 18.0	2476.01	3410.74	3635.67	2995.21
γ 20.0	2060.42	2968.70	3200.11	2577.61
γ 22.0	1671.20	2515.93	2749.30	2150.18
γ 24.0	1325.48	2072.63	2303.44	1739.97
γ 26.0	1031.70	1657.79	1877.48	1365.56
γ 28.0	791.54	1291.07	1488.03	1047.09
γ 30.0	607.79	982.68	1153.34	795.03
γ 32.0	468.65	735.73	877.84	602.65
γ 34.0	363.20	546.44	660.49	461.91
γ 36.0	284.40	405.24	497.48	357.65
γ 38.0	225.62	302.64	376.16	282.14
γ 40.0	181.70	229.76	286.54	227.57
γ 42.0	148.99	178.85	222.56	184.85
γ 44.0	124.85	143.63	176.79	152.06
γ 46.0	106.72	118.93	143.71	126.58
γ 48.0	92.90	101.10	120.31	106.68
γ 50.0	82.32	88.10	102.91	91.86
γ 52.0	73.81	78.15	89.64	80.90
γ 54.0	66.87	70.19	79.70	72.53
γ 56.0	61.01	63.53	71.52	65.72
γ 58.0	55.76	57.76	64.76	59.90
γ 60.0	50.99	52.59	58.94	54.86
γ 62.0	46.63	47.84	53.69	50.20
γ 64.0	42.26	43.35	48.88	45.83
γ 66.0	38.14	39.09	44.37	41.68
γ 68.0	34.05	34.85	40.07	37.63
γ 70.0	29.93	30.80	35.84	33.63
γ 72.0	25.96	26.70	31.72	29.64
γ 74.0	22.00	22.73	27.60	25.75
γ 76.0	18.11	18.85	23.52	21.87
γ 78.0	14.41	15.02	19.65	18.12
γ 80.0	10.86	11.43	15.69	14.47
γ 82.0	7.46	8.07	11.96	11.01
γ 84.0	4.40	4.89	8.63	7.93
γ 86.0	1.29	1.87	5.25	4.82
γ 88.0	0.00	0.00	2.23	1.76
γ 90.0	0.00	0.00	0.00	0.05
γ 92.0	0.00	0.00	0.00	0.00

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.00	0.00	0.00	0.00
γ 96.0	0.00	0.00	0.00	0.00
γ 98.0	0.00	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00
γ 102.0	0.00	0.00	0.00	0.00
γ 104.0	0.00	0.00	0.00	0.00
γ 106.0	0.00	0.00	0.00	0.00
γ 108.0	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00
γ 112.0	0.00	0.00	0.00	0.00
γ 114.0	0.00	0.00	0.00	0.00
γ 116.0	0.00	0.00	0.00	0.00
γ 118.0	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00
γ 122.0	0.00	0.00	0.00	0.00
γ 124.0	0.16	0.00	0.00	0.04
γ 126.0	0.49	0.00	0.00	0.36
γ 128.0	0.82	0.00	0.00	0.68
γ 130.0	1.24	0.32	0.21	1.08
γ 132.0	1.74	0.73	0.56	1.51
γ 134.0	2.20	1.19	0.98	1.99
γ 136.0	2.83	1.73	1.50	2.58
γ 138.0	3.43	2.26	2.02	3.16
γ 140.0	4.14	2.89	2.65	3.80
γ 142.0	4.79	3.51	3.27	4.46
γ 144.0	5.58	4.19	3.97	5.20
γ 146.0	6.35	4.94	4.73	5.91
γ 148.0	7.11	5.62	5.49	6.65
γ 150.0	7.90	6.40	6.29	7.36
γ 152.0	8.58	7.11	7.09	8.06
γ 154.0	9.34	7.84	7.89	8.73
γ 156.0	9.97	8.53	8.64	9.38
γ 158.0	10.56	9.17	9.34	9.92
γ 160.0	11.09	9.86	10.05	10.45
γ 162.0	11.51	10.34	10.63	10.91
γ 164.0	11.87	10.90	11.16	11.27
γ 166.0	12.19	11.27	11.68	11.68
γ 168.0	12.50	11.68	12.10	11.99
γ 170.0	12.66	12.05	12.47	12.27
γ 172.0	12.85	12.32	12.73	12.53
γ 174.0	13.01	12.65	12.99	12.71
γ 176.0	13.11	12.81	13.20	12.90
γ 178.0	13.20	13.00	13.32	12.99
γ 180.0	13.22	13.22	13.22	13.22