

# IES Indoor Report

## Photometric Filename:148-129\_132\_133.IES

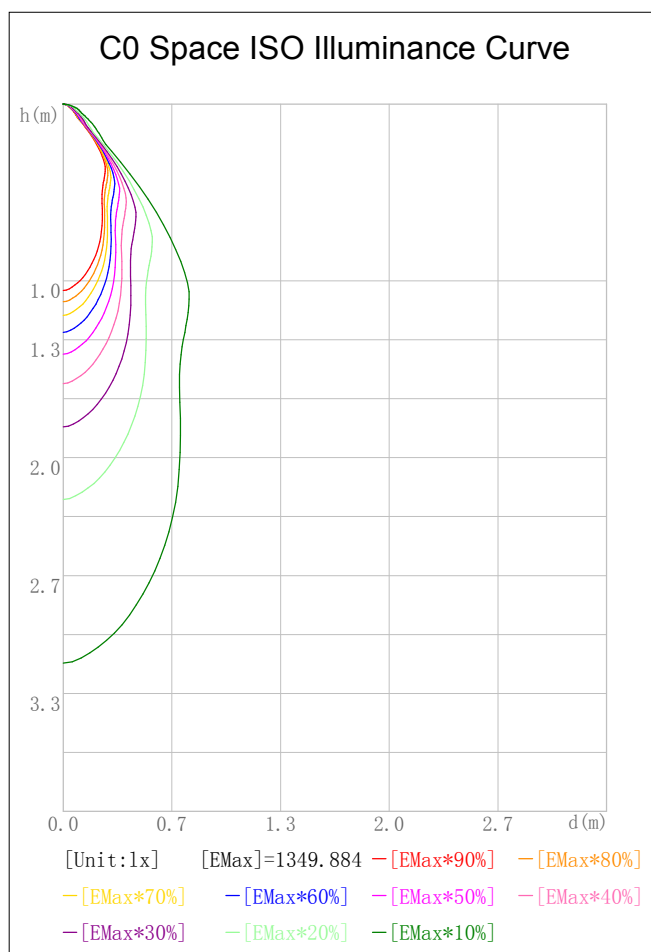
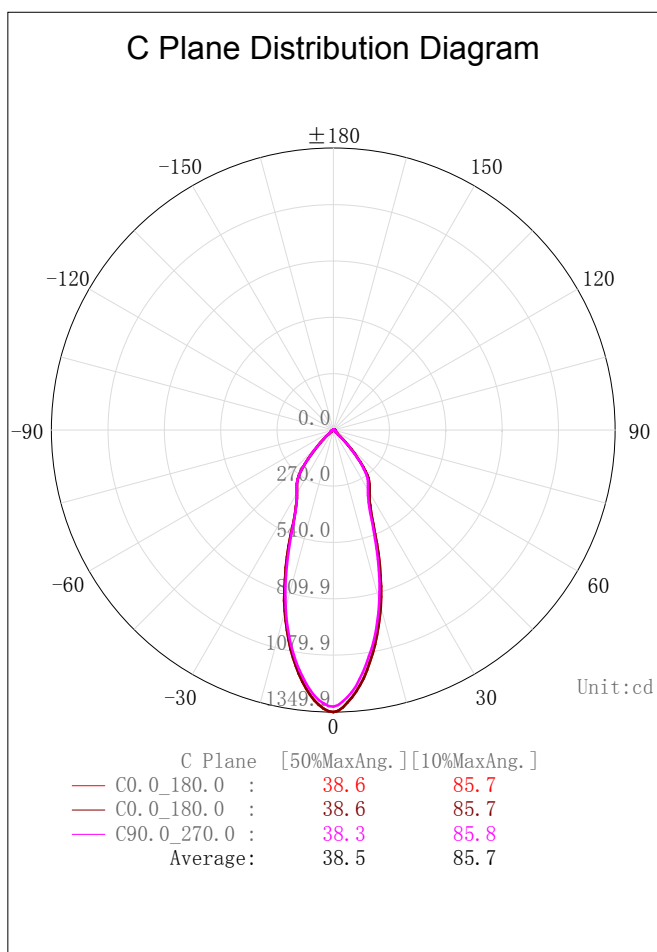
### Indoor Luminaire Photometric Data

#### Description Information

Luminary Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Date: 2022/07/01
Manufacture: 5	Shld. Ang(°):	Test Machine:GON-2000
Test Lab: Volnic IES	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H): 40mm*40mm*0mm	Lum. Area (m2): 0.001	Lum. W (kg): 0.500
Test System: C, $\gamma$	Test Step: C=30.0 $\gamma$ =1.0	Temp. (°C): 25
		Humidity (%): 68

#### Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 821.654	Luminary Flux(lm): 821.654	Field Angle(10%Imax): 85.7(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 821.654lm 100.00%	
Rated Voltage(V): 220	Luminary EER(lm/W): 86.984	Up Lumens&Percent: 0.000lm 0.00%	
Tested Power(W): 9.446	Max. Candela(cd): 1349.884	S/MH: C0_a180=0.623 C90_270=0.610	
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 $\gamma$ =0.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf): 26.9, 0.350	Beam Angle(50%Imax): 38.6(°)	ErP $\Phi$ use(90°): 782.370lm	
Lamp Size(W*L*H): 40mm*40mm*0mm	Left=-19.4°, Right=19.1°	IRF (%): 342.583	



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## Average brightness table(cd/m2)

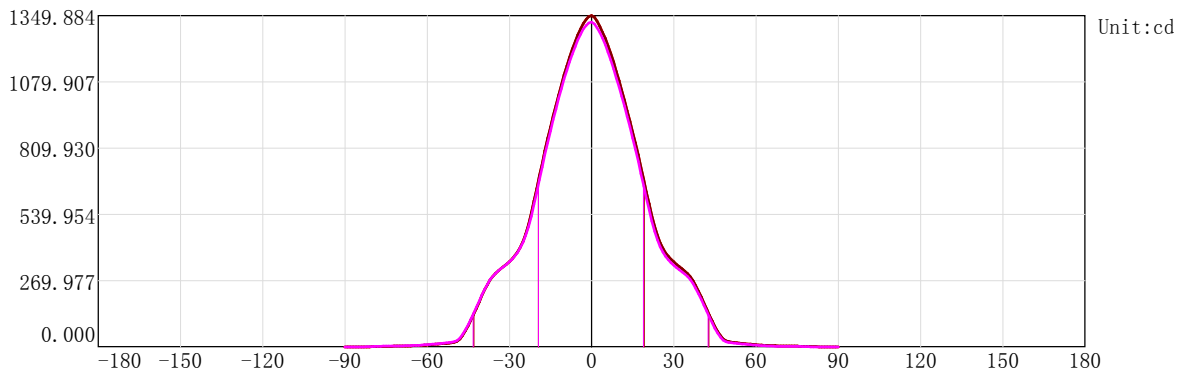
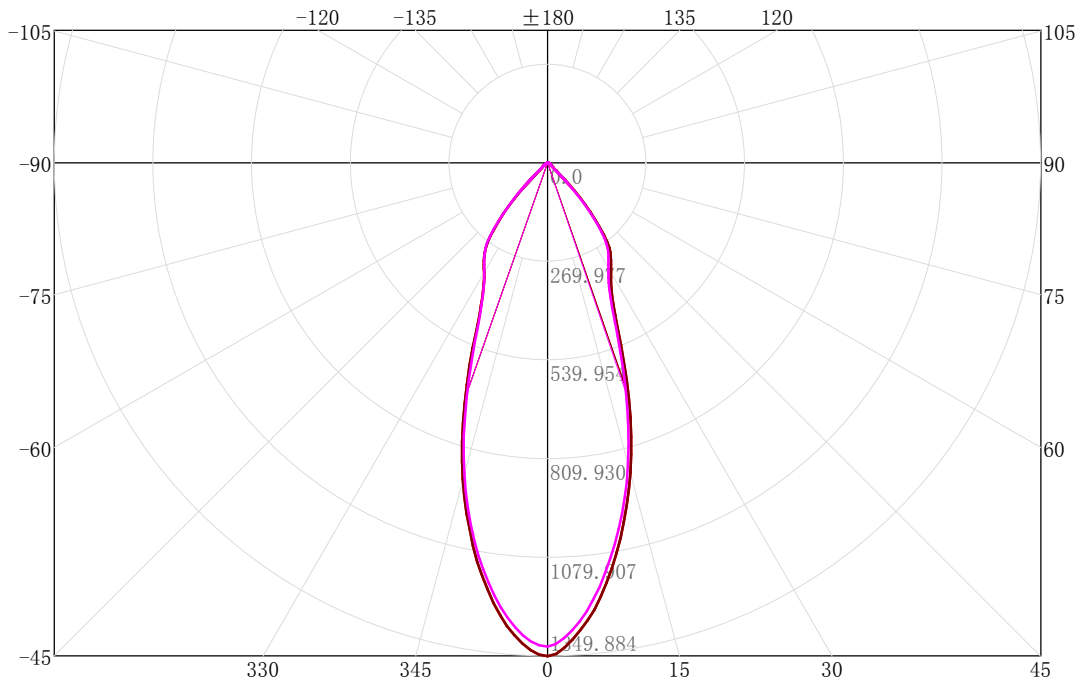
Angle value	Average	Average	Average
Y(° )	L0	L45	L90
45	93648	88318	85164
55	20023	18743	17083
65	10183	8551	7097
75	10509	8984	7004
85	0	0	0



**2D Plane Light Intensity Distribution Curve**

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine:GON-2000	Test Date: 2022/07/01

**C Plane Distribution Diagram**

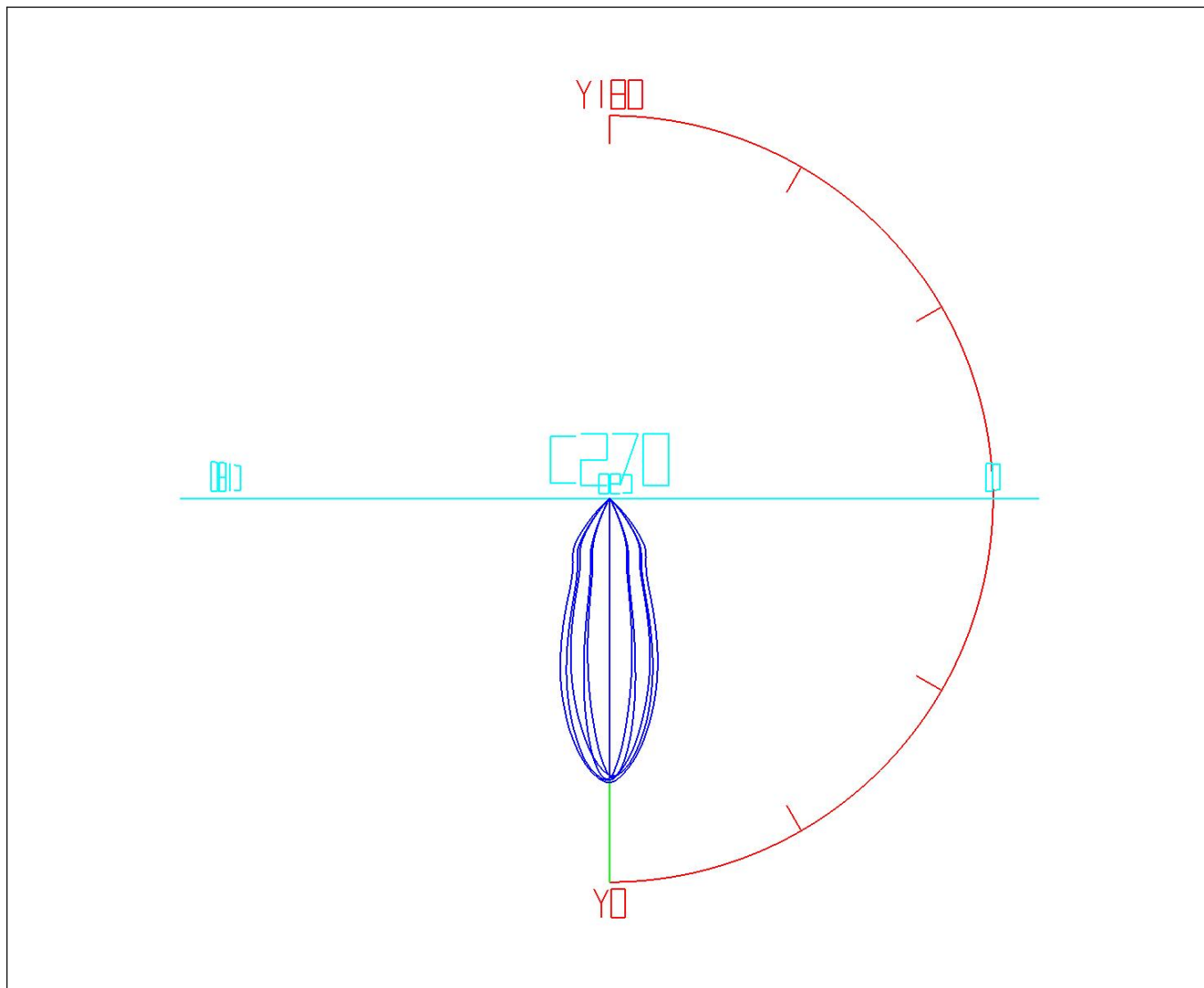


	C Plane	[50%MaxAng. ]	[10%MaxAng. ]
—	C0. 0_180. 0 :	38.6	85.7
—	C0. 0_180. 0 :	38.6	85.7
—	C90. 0_270. 0 :	38.3	85.8
	Average:	38.5	85.7

### 3D Light Intensity Distribution Modal

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine:GON-2000	Test Date: 2022/07/01

### 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:148-129\_132\_133.IES**

**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
0.0-1.0	1.27	1.27	0.15	0.15	47.0-48.0	3.20	796.62	0.39	96.95
1.0-2.0	3.78	5.05	0.46	0.61	48.0-49.0	2.36	798.98	0.29	97.24
2.0-3.0	6.23	11.28	0.76	1.37	49.0-50.0	1.89	800.87	0.23	97.47
3.0-4.0	8.58	19.87	1.04	2.42	50.0-51.0	1.67	802.54	0.20	97.67
4.0-5.0	10.83	30.70	1.32	3.74	51.0-52.0	1.54	804.08	0.19	97.86
5.0-6.0	12.96	43.66	1.58	5.31	52.0-53.0	1.44	805.52	0.18	98.04
6.0-7.0	14.93	58.59	1.82	7.13	53.0-54.0	1.35	806.87	0.16	98.20
7.0-8.0	16.74	75.33	2.04	9.17	54.0-55.0	1.27	808.14	0.15	98.36
8.0-9.0	18.39	93.72	2.24	11.41	55.0-56.0	1.18	809.32	0.14	98.50
9.0-10.0	19.88	113.60	2.42	13.83	56.0-57.0	1.10	810.42	0.13	98.63
10.0-11.0	21.20	134.80	2.58	16.41	57.0-58.0	1.02	811.44	0.12	98.76
11.0-12.0	22.32	157.12	2.72	19.12	58.0-59.0	0.94	812.38	0.11	98.87
12.0-13.0	23.26	180.38	2.83	21.95	59.0-60.0	0.86	813.24	0.10	98.98
13.0-14.0	24.01	204.39	2.92	24.88	60.0-61.0	0.78	814.02	0.09	99.07
14.0-15.0	24.55	228.94	2.99	27.86	61.0-62.0	0.70	814.72	0.09	99.16
15.0-16.0	24.87	253.81	3.03	30.89	62.0-63.0	0.63	815.35	0.08	99.23
16.0-17.0	24.94	278.75	3.04	33.93	63.0-64.0	0.57	815.91	0.07	99.30
17.0-18.0	24.77	303.52	3.01	36.94	64.0-65.0	0.51	816.42	0.06	99.36
18.0-19.0	24.39	327.90	2.97	39.91	65.0-66.0	0.46	816.88	0.06	99.42
19.0-20.0	23.81	351.71	2.90	42.81	66.0-67.0	0.42	817.31	0.05	99.47
20.0-21.0	23.06	374.77	2.81	45.61	67.0-68.0	0.40	817.71	0.05	99.52
21.0-22.0	22.19	396.97	2.70	48.31	68.0-69.0	0.39	818.09	0.05	99.57
22.0-23.0	21.26	418.22	2.59	50.90	69.0-70.0	0.38	818.48	0.05	99.61
23.0-24.0	20.39	438.61	2.48	53.38	70.0-71.0	0.38	818.85	0.05	99.66
24.0-25.0	19.73	458.34	2.40	55.78	71.0-72.0	0.37	819.23	0.05	99.70
25.0-26.0	19.28	477.62	2.35	58.13	72.0-73.0	0.36	819.59	0.04	99.75
26.0-27.0	18.98	496.60	2.31	60.44	73.0-74.0	0.35	819.94	0.04	99.79
27.0-28.0	18.80	515.40	2.29	62.73	74.0-75.0	0.33	820.27	0.04	99.83
28.0-29.0	18.71	534.11	2.28	65.00	75.0-76.0	0.30	820.57	0.04	99.87
29.0-30.0	18.69	552.80	2.27	67.28	76.0-77.0	0.27	820.84	0.03	99.90
30.0-31.0	18.70	571.50	2.28	69.55	77.0-78.0	0.23	821.08	0.03	99.93
31.0-32.0	18.71	590.21	2.28	71.83	78.0-79.0	0.19	821.27	0.02	99.95
32.0-33.0	18.71	608.92	2.28	74.11	79.0-80.0	0.15	821.42	0.02	99.97
33.0-34.0	18.68	627.60	2.27	76.38	80.0-81.0	0.11	821.54	0.01	99.99
34.0-35.0	18.58	646.18	2.26	78.64	81.0-82.0	0.07	821.60	0.01	99.99
35.0-36.0	18.35	664.53	2.23	80.88	82.0-83.0	0.04	821.64	0.00	100.00
36.0-37.0	17.93	682.46	2.18	83.06	83.0-84.0	0.01	821.65	0.00	100.00
37.0-38.0	17.19	699.66	2.09	85.15	84.0-85.0	0.00	821.65	0.00	100.00
38.0-39.0	16.18	715.83	1.97	87.12	85.0-86.0	0.00	821.65	0.00	100.00
39.0-40.0	14.95	730.79	1.82	88.94	86.0-87.0	0.00	821.65	0.00	100.00
40.0-41.0	13.55	744.34	1.65	90.59	87.0-88.0	0.00	821.65	0.00	100.00
41.0-42.0	12.04	756.37	1.46	92.05	88.0-89.0	0.00	821.65	0.00	100.00
42.0-43.0	10.50	766.87	1.28	93.33	89.0-90.0	0.00	821.65	0.00	100.00
43.0-44.0	8.94	775.81	1.09	94.42					
44.0-45.0	7.36	783.17	0.90	95.32					
45.0-46.0	5.83	789.01	0.71	96.03					
46.0-47.0	4.41	793.42	0.54	96.56					

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## Zonal Flux Tabulation - (Cont.)

Conical surface Flux(90deg):396.966

%lm = 48.31

%lamp = 48.31

Conical surface Flux(120deg):552.799

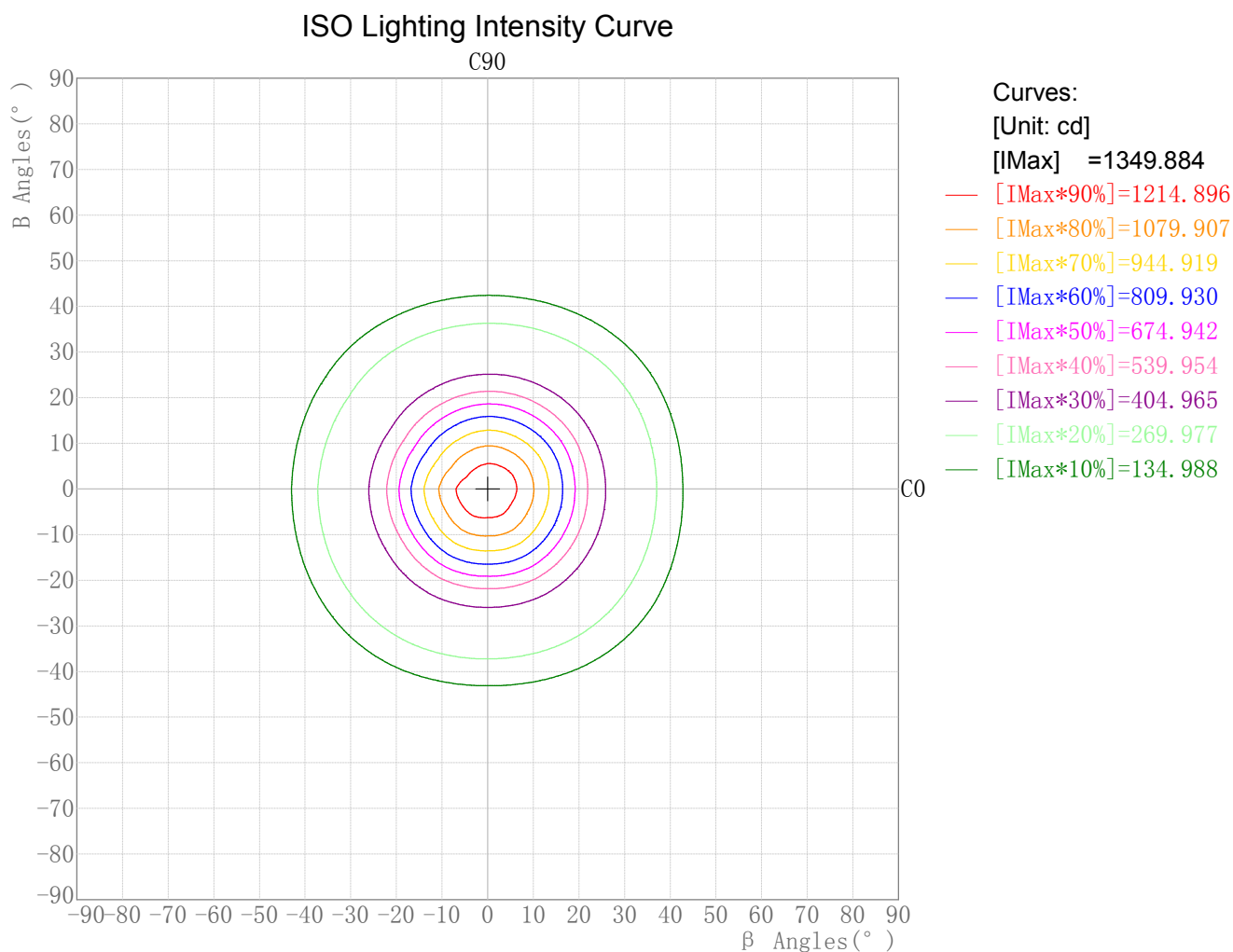
%lm = 67.28

%lamp = 67.28

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**Rectangle ISO Lighting Intensity Diagram**

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine:GON-2000	Test Date: 2022/07/01



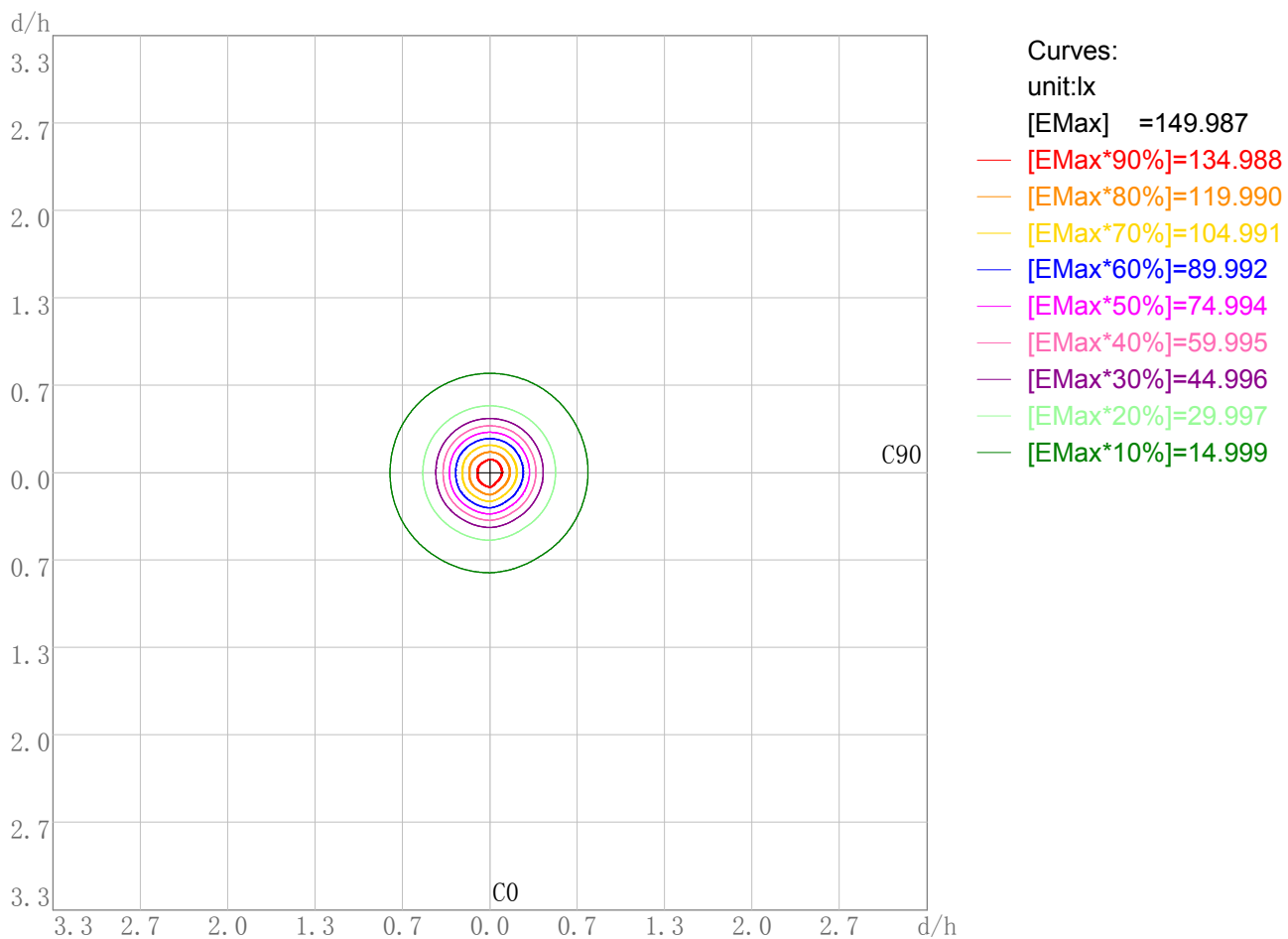
Maximum Light Intensity(cd): 1349.88  
 Maximum Cand.@Angle: H=0.0°,V=0.0°

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### Plane ISO-Illuminance Diagram

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine: GON-2000	Test Date: 2022/07/01

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
 Working Plane Maximum Illuminance(lx): 149.99  
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

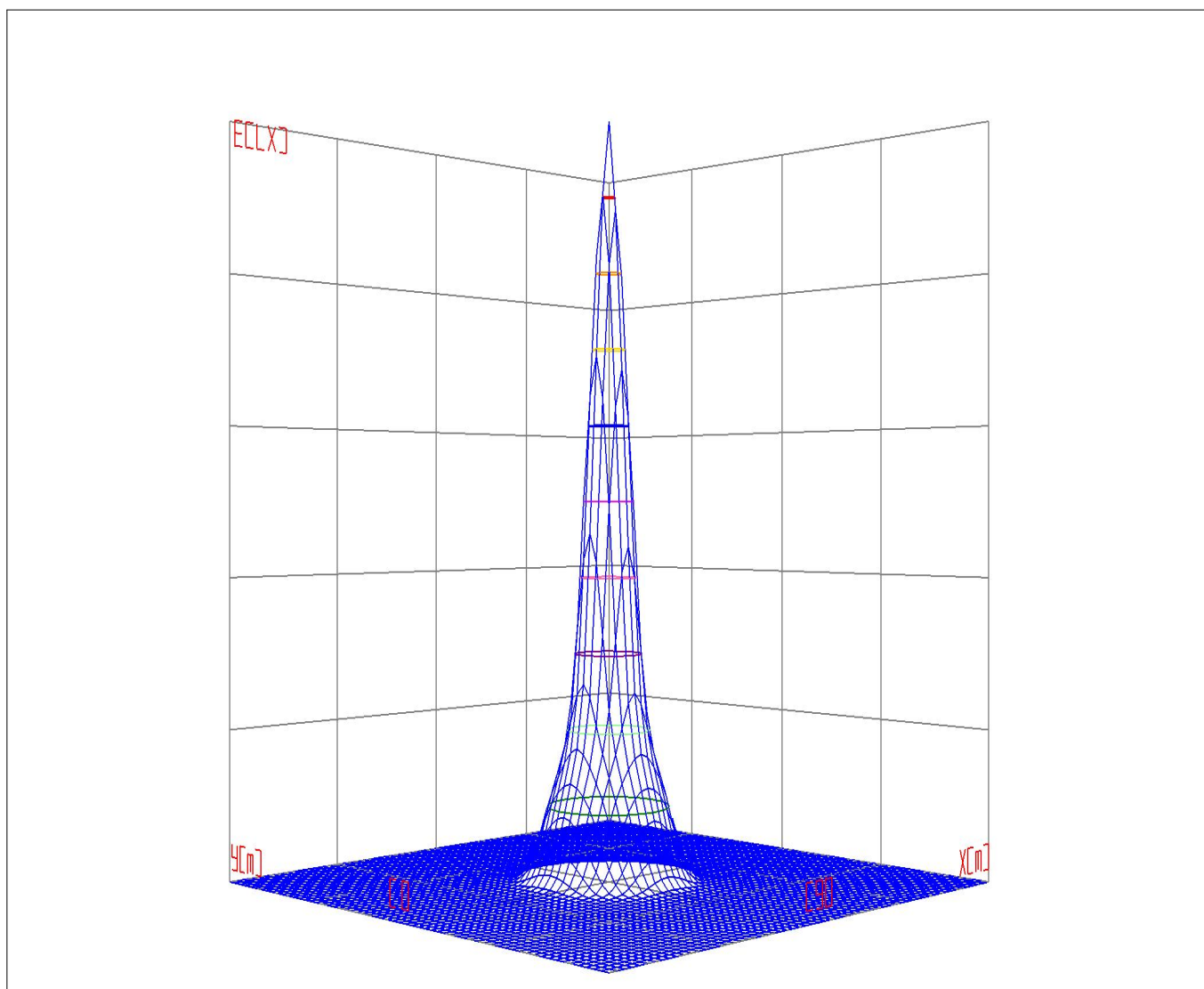
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### 3D Plane ISO Illuminance Diagram

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine: GON-2000	Test Date: 2022/07/01

3D Plane Illuminance Modal



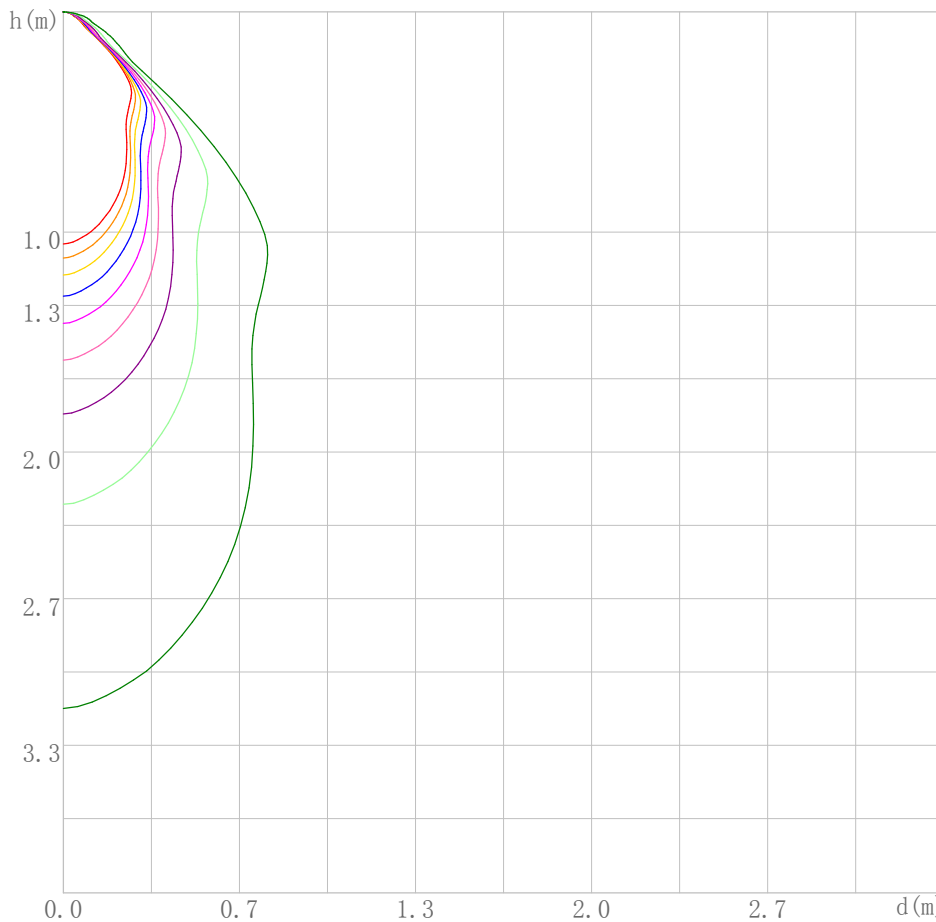
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0

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### Space ISO Illuminance Diagram

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine: GON-2000	Test Date: 2022/07/01

Space ISO Illuminance Curve



- Curves:  
 [Unit: lx]  
 [EMax] =1349.884
- [EMax\*90%]=1214.896
  - [EMax\*80%]=1079.907
  - [EMax\*70%]=944.919
  - [EMax\*60%]=809.930
  - [EMax\*50%]=674.942
  - [EMax\*40%]=539.954
  - [EMax\*30%]=404.965
  - [EMax\*20%]=269.977
  - [EMax\*10%]=134.988

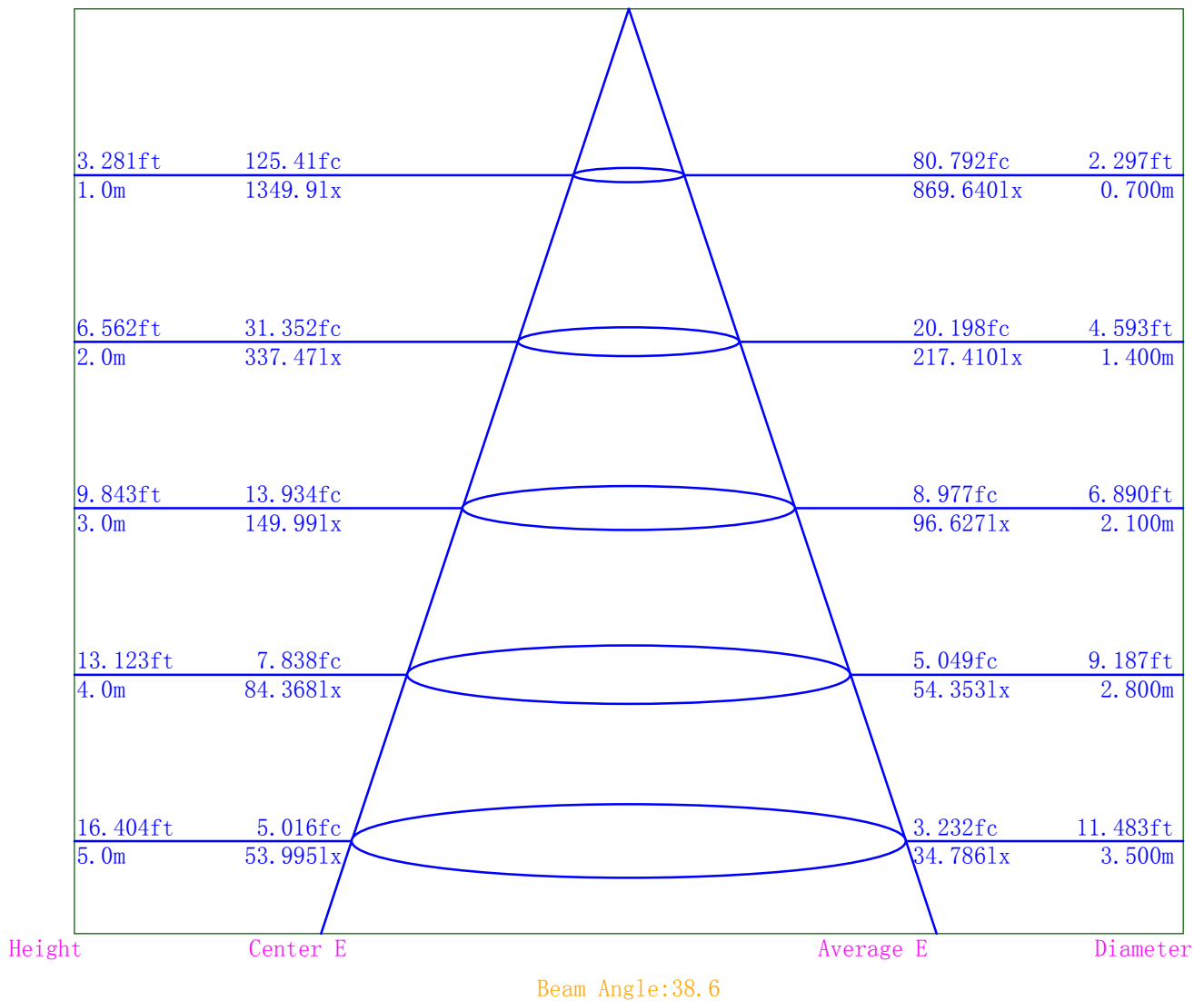
Space Plane Maximum Illuminance and @Angle:1349.88lx,0.0deg  
 Plane Maximum Lighting Intensity and @Angle:1349.884cd,0deg

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**Illuminance-Distance Diagram**

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine:GON-2000	Test Date: 2022/07/01

Illuminance-Distance Curve



### Indoor Luminance Limiting Curves

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine: GON-2000	Test Date: 2022/07/01

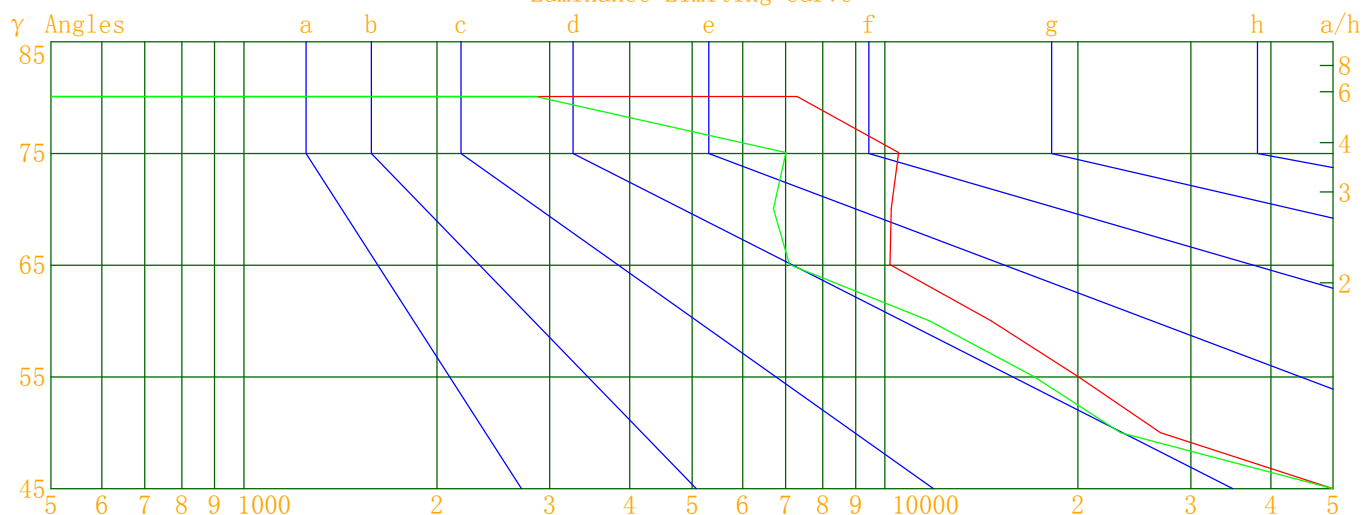
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
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	93648	26906	20023	14620	10183	10228	10509	7296	0
C90	85164	23305	17083	11715	7097	6701	7004	2850	0

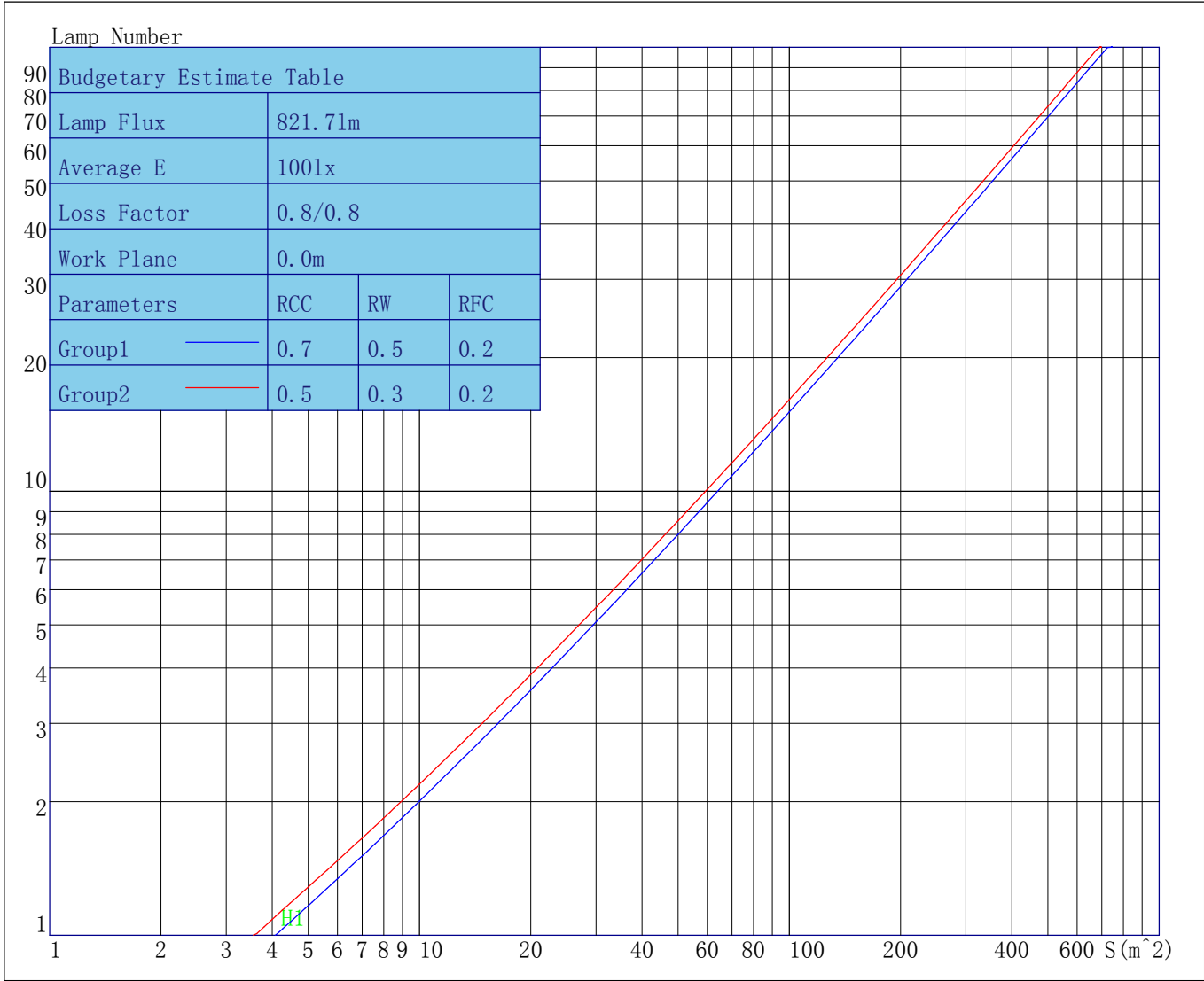
Luminance Limiting Curve



Luminous Size: Length(m)=-0.040 Width(m)=-0.040 Height(m)=0.000 Area(m^2)=0.001257  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

**Indoor Budgetary Estimate Table**

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine:GON-2000	Test Date: 2022/07/01



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8  
Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8  
Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

**Indoor Coefficient of Utilization Table**

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine:GON-2000	Test Date: 2022/07/01

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	89	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	75	72	78	74	72	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	67	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	67	62	59	58
9	76	66	61	57	75	66	60	56	65	60	56	64	59	56	63	59	56	55
10	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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**IES Indoor Report**  
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**Unified Glare Rating Table**

Lum. Name: 148-129_132_133	Lum. Catalog: LED MODULE	Test ID: 001
Lamp Name: LED MODULE	Lamp Catalog: LED MODULE	Test Lab: Volnic IES
Manufacture: 5	Test Machine:GON-2000	Test Date: 2022/07/01

**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	24.4	25.5	24.8	25.8	26.1	24.0	25.1	24.4	25.4	25.7
Y=3H	24.3	25.2	24.7	25.5	25.9	23.9	24.8	24.3	25.1	25.5
Y=4H	24.2	25.1	24.6	25.4	25.8	23.8	24.6	24.2	25.0	25.4
Y=6H	24.2	24.9	24.6	25.3	25.7	23.7	24.5	24.1	24.8	25.2
Y=8H	24.1	24.8	24.5	25.2	25.6	23.7	24.4	24.1	24.8	25.2
Y=12H	24.0	24.7	24.5	25.1	25.5	23.6	24.3	24.0	24.7	25.1
X=4H Y=2H	24.2	25.0	24.6	25.4	25.7	23.8	24.6	24.2	25.0	25.3
Y=3H	24.0	24.7	24.5	25.1	25.5	23.6	24.3	24.1	24.7	25.1
Y=4H	24.0	24.6	24.4	25.0	25.5	23.6	24.2	24.0	24.6	25.0
Y=6H	23.9	24.4	24.4	24.9	25.4	23.5	24.0	23.9	24.4	24.9
Y=8H	23.9	24.3	24.3	24.8	25.3	23.4	23.9	23.9	24.3	24.8
Y=12H	23.8	24.2	24.3	24.7	25.2	23.3	23.7	23.8	24.2	24.7
X=8H Y=4H	23.8	24.3	24.3	24.8	25.2	23.4	23.9	23.9	24.3	24.8
Y=6H	23.8	24.1	24.3	24.7	25.2	23.3	23.7	23.8	24.2	24.7
Y=8H	23.7	24.0	24.2	24.6	25.1	23.2	23.6	23.8	24.1	24.6
Y=12H	23.7	23.9	24.2	24.4	25.0	23.2	23.5	23.7	24.0	24.6
X=12H Y=4H	23.8	24.2	24.3	24.7	25.1	23.3	23.8	23.8	24.2	24.7
Y=6H	23.7	24.0	24.2	24.5	25.1	23.2	23.6	23.8	24.1	24.6
Y=8H	23.7	23.9	24.2	24.4	25.0	23.2	23.5	23.7	24.0	24.6
Variations with the objerver position at spacings										
S=1.0H	0.9/-1.1					1.3/-1.6				
S=1.5H	1.1/-1.6					1.5/-2.4				
S=2.0H	1.1/-1.5					1.2/-1.9				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	0.1					0.1				

Calculation is according to the CIE Pub.117, data has been corrected, refers to the lamp's lumen

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**Candela Tabulation**

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
<b>γ 0.0</b>	1349.88	1338.50	1329.93	1323.26	1317.70	1314.48	1349.88	1338.50	1329.93	1323.26	1317.70	1314.48
<b>γ 1.0</b>	1343.82	1334.24	1323.11	1316.37	1307.90	1305.44	1345.72	1333.17	1326.95	1320.30	1317.97	1314.78
<b>γ 2.0</b>	1327.45	1320.12	1306.82	1300.64	1290.95	1290.30	1333.79	1321.24	1316.84	1310.02	1309.73	1305.63
<b>γ 3.0</b>	1306.06	1299.24	1285.88	1280.74	1271.49	1271.67	1316.90	1304.67	1302.16	1294.97	1294.78	1288.79
<b>γ 4.0</b>	1282.22	1275.53	1262.49	1258.19	1248.60	1248.67	1296.07	1284.47	1283.57	1274.15	1276.65	1268.60
<b>γ 5.0</b>	1256.84	1250.62	1236.21	1231.36	1221.35	1222.28	1271.97	1261.85	1261.33	1250.73	1253.91	1245.20
<b>γ 6.0</b>	1228.54	1222.21	1206.17	1200.89	1190.34	1192.21	1244.22	1235.09	1234.67	1223.62	1227.63	1216.31
<b>γ 7.0</b>	1196.06	1189.81	1172.96	1168.14	1156.18	1159.08	1213.73	1203.39	1205.96	1193.50	1199.18	1186.45
<b>γ 8.0</b>	1160.50	1154.14	1136.32	1132.06	1119.57	1123.50	1179.06	1167.90	1173.44	1160.69	1167.19	1153.07
<b>γ 9.0</b>	1123.07	1115.95	1099.82	1095.64	1084.66	1089.00	1144.64	1129.90	1138.99	1126.46	1134.19	1118.60
<b>γ 10.0</b>	1085.09	1077.82	1063.01	1059.53	1047.98	1052.64	1108.04	1093.42	1102.72	1091.07	1100.07	1082.90
<b>γ 11.0</b>	1045.88	1039.52	1024.33	1020.84	1008.26	1012.72	1067.93	1054.04	1062.37	1052.29	1061.07	1045.31
<b>γ 12.0</b>	1004.85	999.60	984.21	980.14	967.91	972.00	1025.59	1013.31	1021.90	1012.04	1020.71	1005.73
<b>γ 13.0</b>	962.85	958.79	943.07	939.22	925.68	930.27	985.32	971.24	981.75	969.54	980.85	964.53
<b>γ 14.0</b>	919.85	917.18	900.87	896.57	882.26	886.32	941.99	927.30	937.98	925.71	937.83	922.52
<b>γ 15.0</b>	876.16	873.89	856.75	851.14	837.71	841.09	896.40	881.61	893.05	879.74	893.29	879.26
<b>γ 16.0</b>	830.54	828.40	810.47	804.54	790.89	793.91	850.05	834.05	846.21	832.67	847.56	834.76
<b>γ 17.0</b>	782.83	780.22	762.15	755.84	742.54	745.46	799.00	784.21	795.24	783.58	797.00	787.44
<b>γ 18.0</b>	732.98	731.29	713.07	706.04	692.13	694.88	747.46	733.23	742.93	732.66	747.45	738.58
<b>γ 19.0</b>	682.16	681.27	662.46	655.85	641.41	644.41	697.38	680.72	693.26	681.09	698.97	688.41
<b>γ 20.0</b>	631.53	630.92	612.30	605.97	591.87	594.58	646.17	628.84	641.84	630.05	648.81	638.53
<b>γ 21.0</b>	582.60	581.08	564.19	558.13	544.84	546.52	595.31	578.29	591.11	580.01	598.44	589.26
<b>γ 22.0</b>	535.49	533.96	518.40	512.24	500.29	501.38	546.26	529.58	542.11	532.05	549.67	541.94
<b>γ 23.0</b>	491.55	489.86	476.09	470.42	460.43	460.38	497.68	485.65	494.17	489.53	501.68	496.88
<b>γ 24.0</b>	454.04	450.99	439.90	435.34	428.34	426.93	458.58	450.19	457.24	454.41	461.09	458.20
<b>γ 25.0</b>	424.97	420.38	411.58	407.99	402.71	400.72	430.23	422.78	429.86	426.21	432.10	427.25
<b>γ 26.0</b>	401.73	396.21	389.44	386.21	382.58	380.45	406.02	400.67	406.23	403.72	407.68	402.51
<b>γ 27.0</b>	383.80	376.98	371.81	368.94	366.55	363.91	387.06	383.08	387.02	385.23	387.65	382.66
<b>γ 28.0</b>	369.33	361.48	357.83	355.04	353.46	350.69	371.61	368.74	371.16	370.23	371.39	366.15
<b>γ 29.0</b>	357.18	349.15	346.05	343.27	342.46	339.33	358.17	356.73	357.56	357.64	356.61	352.61
<b>γ 30.0</b>	346.53	338.57	335.56	332.95	332.48	329.45	346.89	346.35	346.71	346.69	345.16	340.94
<b>γ 31.0</b>	336.70	328.87	326.30	323.53	323.16	320.11	337.68	336.87	337.65	337.20	335.55	330.69
<b>γ 32.0</b>	327.27	319.75	317.36	314.43	314.45	311.08	328.46	327.76	328.56	327.99	326.09	321.05
<b>γ 33.0</b>	318.09	310.77	308.85	305.64	305.85	302.30	319.47	318.83	319.68	319.16	316.91	311.92
<b>γ 34.0</b>	308.64	302.49	299.97	296.86	296.67	292.90	310.63	309.98	310.95	310.39	307.79	303.33
<b>γ 35.0</b>	298.71	292.73	289.82	286.64	286.56	282.67	299.36	299.50	300.23	299.95	297.74	293.58
<b>γ 36.0</b>	287.20	282.44	277.73	274.70	272.71	270.17	288.09	288.21	289.44	288.80	286.60	283.30
<b>γ 37.0</b>	270.59	267.73	260.81	258.53	253.31	253.13	274.07	272.64	276.44	274.62	274.46	270.37
<b>γ 38.0</b>	250.18	248.65	240.88	238.51	232.46	232.64	254.70	253.46	258.32	255.82	257.02	252.07
<b>γ 39.0</b>	227.32	226.40	218.04	216.74	209.98	210.41	233.02	231.43	237.60	234.55	236.54	231.38
<b>γ 40.0</b>	203.26	202.16	194.28	193.13	186.60	186.98	208.87	207.00	213.92	211.17	214.40	208.99
<b>γ 41.0</b>	178.73	177.27	169.81	169.48	163.49	163.79	182.75	181.63	187.34	186.68	188.79	185.58
<b>γ 42.0</b>	153.54	152.17	144.82	145.04	139.46	140.06	156.84	156.16	162.41	161.33	165.51	162.41
<b>γ 43.0</b>	129.32	128.30	120.61	121.21	116.49	117.28	134.05	133.07	139.43	138.02	143.18	140.84
<b>γ 44.0</b>	105.02	104.41	97.03	97.62	93.94	95.10	110.18	109.08	115.56	113.83	120.18	119.03
<b>γ 45.0</b>	83.21	81.82	75.13	75.68	72.96	74.54	87.74	86.75	92.70	91.69	98.04	97.02
<b>γ 46.0</b>	62.76	61.27	55.38	56.08	54.27	55.84	67.05	65.76	71.42	70.23	76.58	76.11



