

IES Indoor Report

Photometric Filename:181538-1 1100MM T5二 18W 99顆 4000K 2.IES

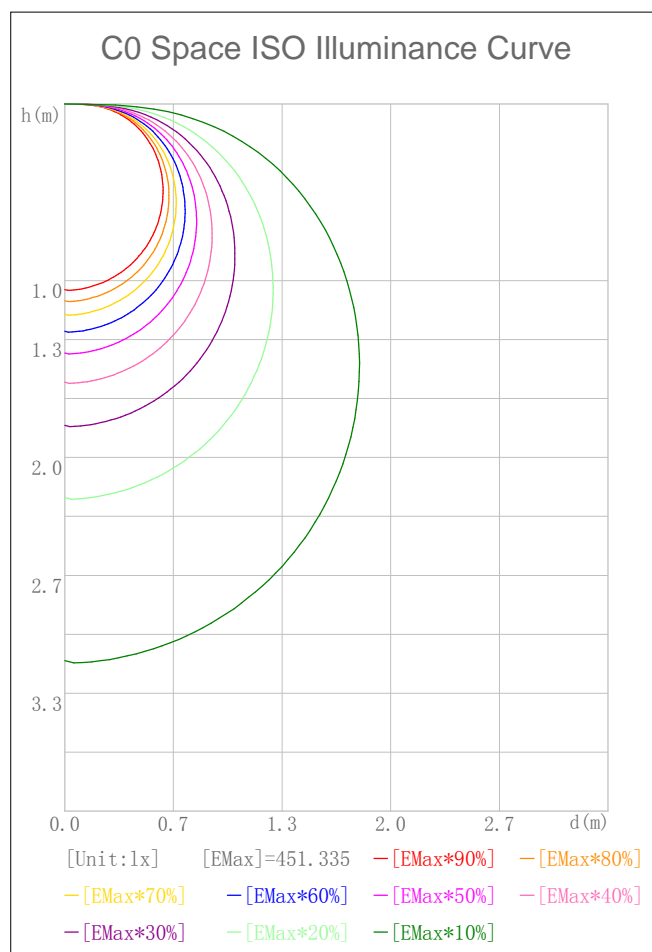
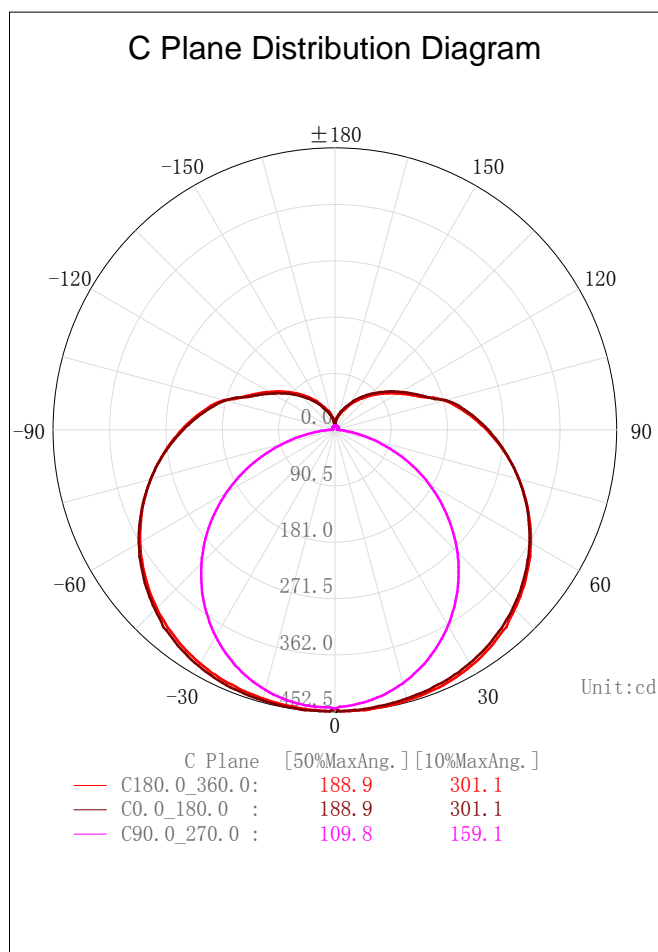
Indoor Luminaire Photometric Data

Description Information

Luminaire Name: 181538-1 T5二 18W D46 4000K 2		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2018/10/31
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.670m*1.200m*0.670m		Lum. Area (m2): 1.608	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%): 60.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1.000	Luminaire Flux(lm): 2244.483	Field Angle(10%Imax): 301.1(°)	
Rated Power(W):	Luminaire Efficiency: 224448.29%	Down Lumens&Percent: 1802.592lm 80.31%	
Rated Voltage(V):	Luminaire EER(lm/W): 132.810	Up Lumens&Percent: 441.891lm 19.69%	
Tested Power(W): 16.900	Max. Candela(cd): 452.482	S/MH: C0_a180=1.463 C90_270=1.240	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=7.0	CIE Type: General Diffuse	
Tested Electrics (V, A, pf): 119.9, 0.141, 0.993	Beam Angle(50%Imax): 188.9(°)	ErP Φuse(120°): 1134.744lm	
Lamp Size (W*L*H): 0.670m*1.200m*0.670m	Left=-94.8°, Right=94.1°	IRF (%): 97.294	



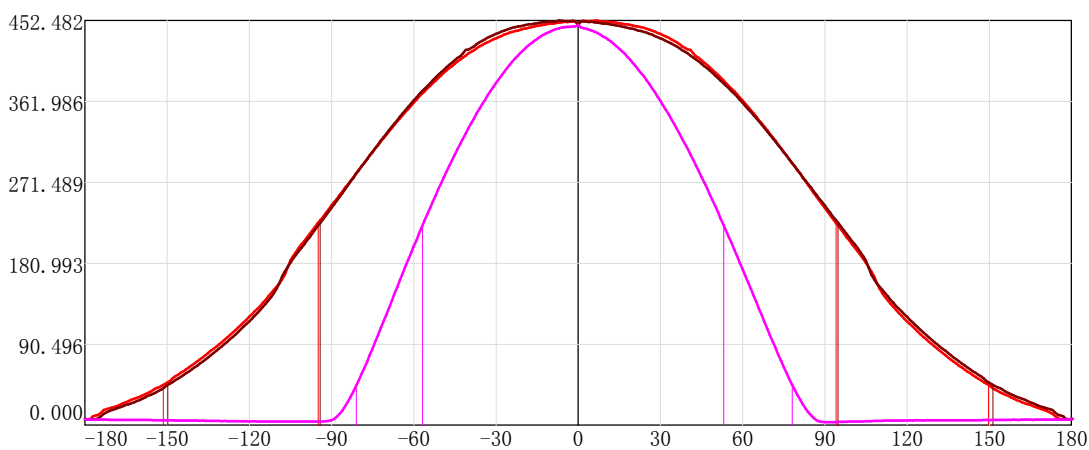
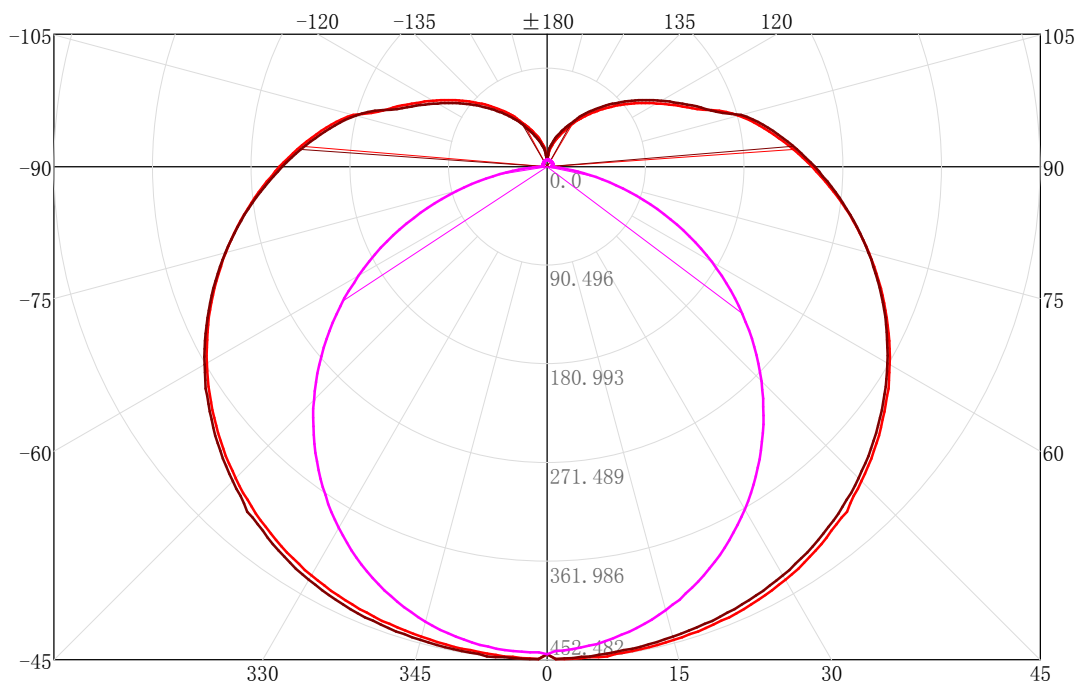
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2D Plane Light Intensity Distribution Curve

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

C Plane Distribution Diagram



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
— (Red)	C180.0_360.0 :	188.9	301.1	
— (Brown)	C0.0_180.0 :	188.9	301.1	
— (Magenta)	C90.0_270.0 :	109.8	159.1	

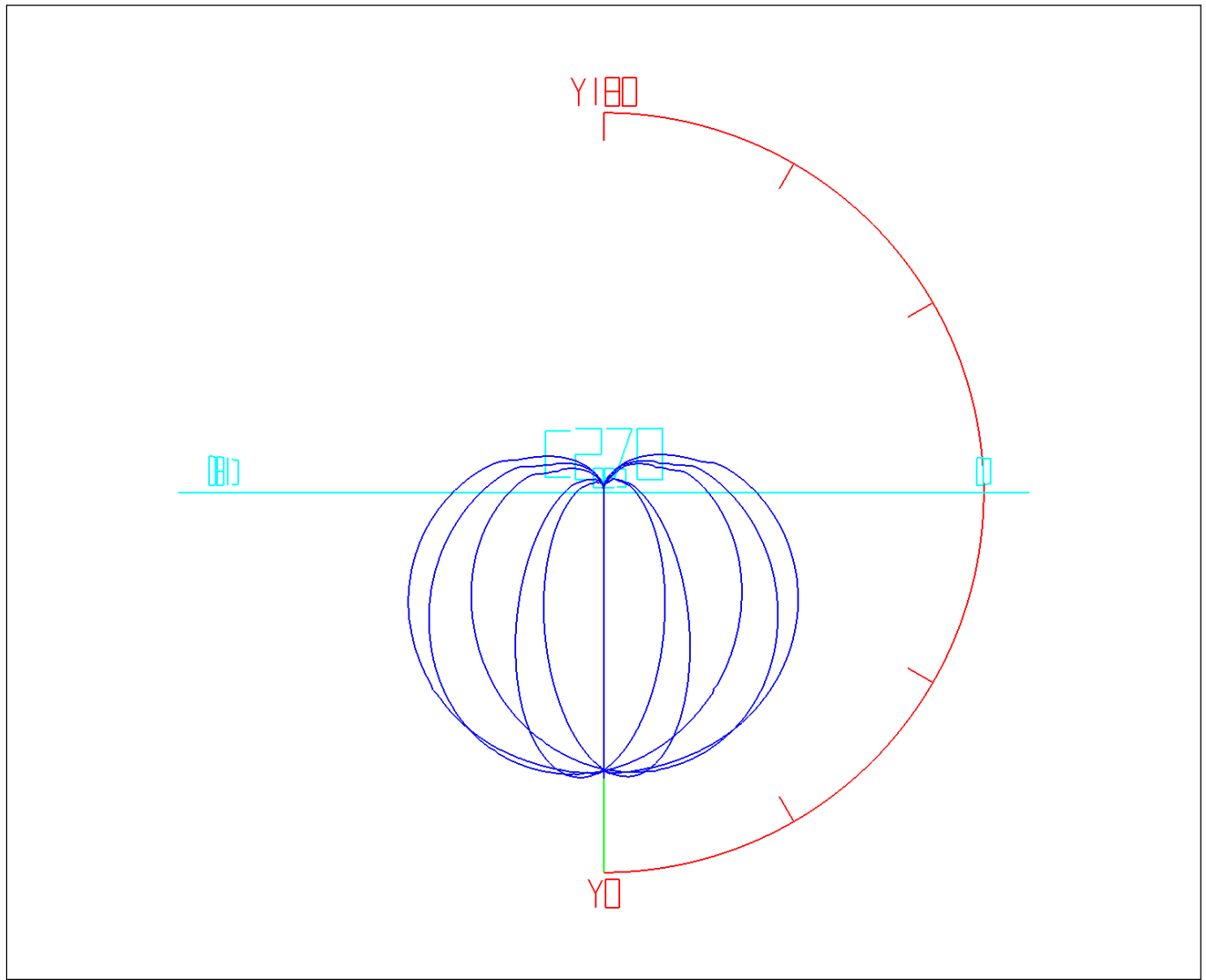
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3D Light Intensity Distribution Modal

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

3D Light Intensity Distribution Modal



Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

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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	0.43	0.43	42.77	42.77	47.0-48.0	27.48	27.48	2747.58	2747.58
1.0-2.0	1.28	1.71	128.14	170.90	48.0-49.0	27.56	55.04	2756.20	5503.78
2.0-3.0	2.13	3.84	213.42	384.33	49.0-50.0	27.62	82.66	2762.35	8266.13
3.0-4.0	2.98	6.83	298.46	682.78	50.0-51.0	27.66	110.33	2766.37	11032.50
4.0-5.0	3.83	10.66	383.28	1066.06	51.0-52.0	27.68	138.00	2767.61	13800.11
5.0-6.0	4.68	15.34	467.81	1533.87	52.0-53.0	27.66	165.66	2765.96	16566.08
6.0-7.0	5.52	20.86	551.74	2085.61	53.0-54.0	27.62	193.29	2762.46	19328.54
7.0-8.0	6.35	27.21	635.06	2720.67	54.0-55.0	27.57	220.86	2757.21	22085.75
8.0-9.0	7.18	34.38	717.82	3438.49	55.0-56.0	27.49	248.35	2749.01	24834.76
9.0-10.0	8.00	42.38	799.98	4238.47	56.0-57.0	27.39	275.74	2738.99	27573.75
10.0-11.0	8.81	51.20	881.31	5119.78	57.0-58.0	27.27	303.01	2726.98	30300.74
11.0-12.0	9.62	60.81	961.71	6081.49	58.0-59.0	27.12	330.13	2712.18	33012.92
12.0-13.0	10.41	71.23	1041.35	7122.84	59.0-60.0	26.95	357.08	2695.47	35708.39
13.0-14.0	11.20	82.43	1119.84	8242.69	60.0-61.0	26.77	383.85	2677.01	38385.40
14.0-15.0	11.97	94.40	1197.18	9439.86	61.0-62.0	26.56	410.42	2656.32	41041.72
15.0-16.0	12.73	107.13	1273.43	10713.29	62.0-63.0	26.33	436.75	2633.49	43675.21
16.0-17.0	13.48	120.62	1348.38	12061.67	63.0-64.0	26.09	462.84	2609.02	46284.23
17.0-18.0	14.22	134.84	1422.18	13483.85	64.0-65.0	25.83	488.67	2582.67	48866.90
18.0-19.0	14.95	149.78	1494.57	14978.43	65.0-66.0	25.55	514.22	2554.81	51421.71
19.0-20.0	15.66	165.44	1565.56	16543.99	66.0-67.0	25.26	539.47	2525.60	53947.31
20.0-21.0	16.35	181.79	1635.20	18179.19	67.0-68.0	24.94	564.42	2494.45	56441.76
21.0-22.0	17.03	198.82	1703.04	19882.23	68.0-69.0	24.61	589.03	2461.08	58902.84
22.0-23.0	17.69	216.52	1769.46	21651.70	69.0-70.0	24.27	613.29	2426.56	61329.41
23.0-24.0	18.34	234.86	1834.14	23485.84	70.0-71.0	23.91	637.21	2391.34	63720.75
24.0-25.0	18.97	253.83	1896.86	25382.69	71.0-72.0	23.54	660.75	2354.47	66075.22
25.0-26.0	19.58	273.40	1957.70	27340.39	72.0-73.0	23.17	683.92	2316.54	68391.76
26.0-27.0	20.17	293.57	2016.81	29357.19	73.0-74.0	22.78	706.69	2277.59	70669.34
27.0-28.0	20.74	314.31	2074.25	31431.45	74.0-75.0	22.38	729.07	2237.68	72907.02
28.0-29.0	21.29	335.61	2129.24	33560.68	75.0-76.0	21.97	751.04	2196.82	75103.84
29.0-30.0	21.82	357.43	2182.49	35743.18	76.0-77.0	21.55	772.59	2155.06	77258.90
30.0-31.0	22.34	379.77	2234.08	37977.26	77.0-78.0	21.13	793.72	2113.04	79371.94
31.0-32.0	22.83	402.61	2283.27	40260.53	78.0-79.0	20.71	814.42	2070.54	81442.48
32.0-33.0	23.29	425.90	2329.26	42589.79	79.0-80.0	20.28	834.70	2027.97	83470.45
33.0-34.0	23.73	449.63	2373.34	44963.12	80.0-81.0	19.86	854.56	1985.60	85456.05
34.0-35.0	24.16	473.79	2416.07	47379.19	81.0-82.0	19.43	873.99	1942.71	87398.76
35.0-36.0	24.56	498.35	2456.16	49835.36	82.0-83.0	19.00	892.98	1899.55	89298.31
36.0-37.0	24.94	523.29	2493.81	52329.16	83.0-84.0	18.57	911.55	1857.19	91155.50
37.0-38.0	25.29	548.58	2528.65	54857.82	84.0-85.0	18.16	929.71	1815.87	92971.37
38.0-39.0	25.61	574.19	2561.35	57419.17	85.0-86.0	17.75	947.46	1774.67	94746.04
39.0-40.0	25.92	600.11	2592.29	60011.46	86.0-87.0	17.34	964.80	1734.00	96480.05
40.0-41.0	26.21	626.32	2620.55	62632.01	87.0-88.0	16.95	981.75	1695.04	98175.09
41.0-42.0	26.46	652.78	2645.93	65277.95	88.0-89.0	16.58	998.33	1658.20	99833.29
42.0-43.0	26.68	679.46	2668.42	67946.37	89.0-90.0	16.22	1014.56	1622.38	101455.67
43.0-44.0	26.89	706.36	2689.37	70635.74	90.0-91.0	15.87	1030.43	1587.23	103042.90
44.0-45.0	27.08	733.44	2707.99	73343.73	91.0-92.0	15.53	1045.96	1553.20	104596.09
45.0-46.0	27.23	760.67	2723.31	76067.04	92.0-93.0	15.19	1061.16	1519.41	106115.50
46.0-47.0	27.36	788.03	2736.45	78803.49	93.0-94.0	14.86	1076.01	1485.66	107601.16

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Zonal Flux Tabulation - (Cont.)

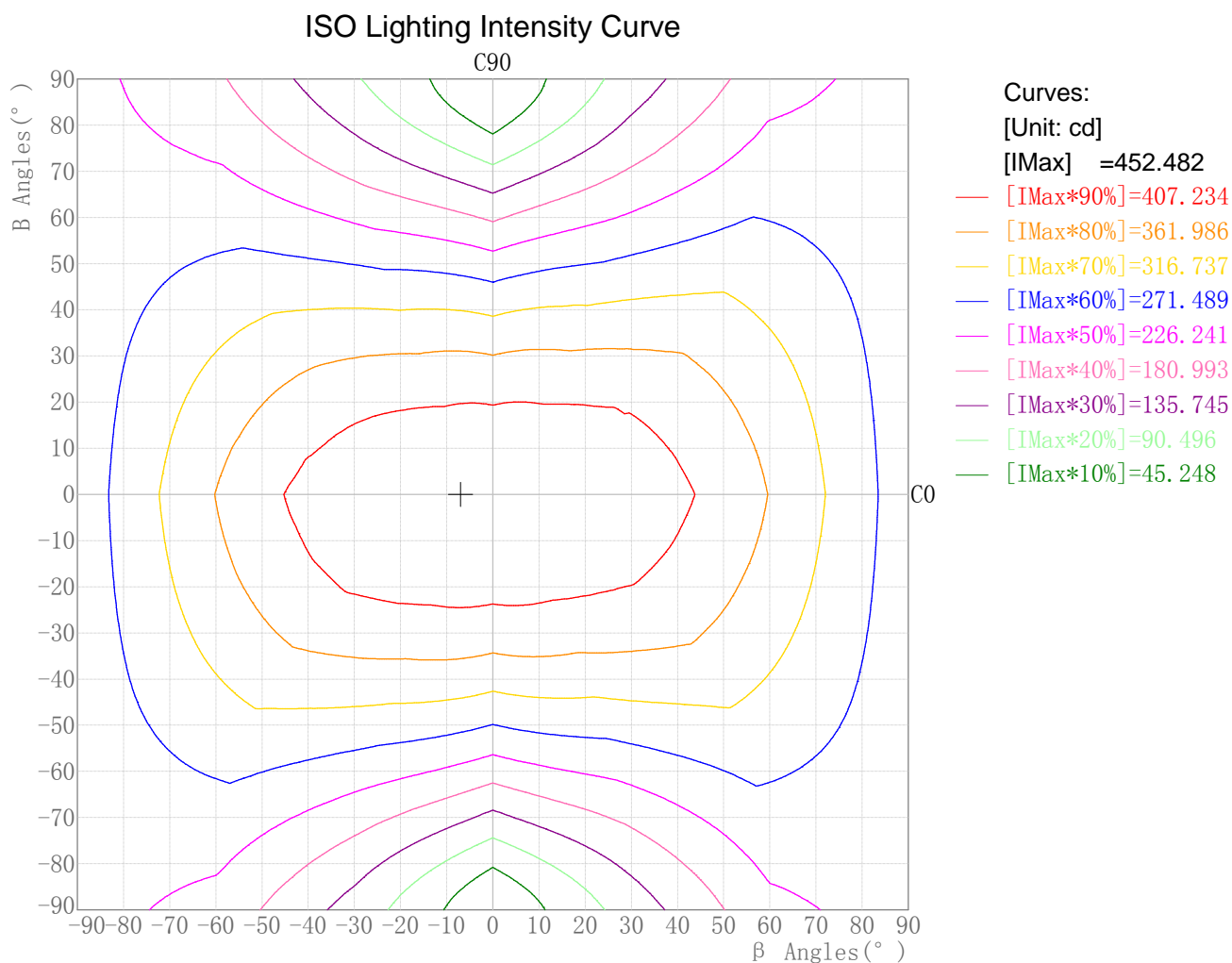
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	14.52	14.52	1452.31	1452.31	141.0-142.0	2.41	2.41	241.41	241.41
95.0-96.0	14.19	28.71	1418.53	2870.84	142.0-143.0	2.29	4.70	228.55	469.96
96.0-97.0	13.84	42.55	1383.95	4254.79	143.0-144.0	2.16	6.86	215.91	685.87
97.0-98.0	13.49	56.04	1348.85	5603.64	144.0-145.0	2.03	8.89	203.39	889.25
98.0-99.0	13.13	69.17	1313.03	6916.67	145.0-146.0	1.91	10.81	191.26	1080.52
99.0-100.0	12.76	81.93	1276.36	8193.04	146.0-147.0	1.80	12.60	179.76	1260.28
100.0-101.0	12.40	94.33	1239.83	9432.86	147.0-148.0	1.68	14.29	168.37	1428.65
101.0-102.0	12.04	106.36	1203.55	10636.41	148.0-149.0	1.58	15.86	157.51	1586.16
102.0-103.0	11.67	118.03	1166.74	11803.16	149.0-150.0	1.48	17.34	147.66	1733.82
103.0-104.0	11.27	129.30	1127.11	12930.27	150.0-151.0	1.38	18.72	138.32	1872.14
104.0-105.0	10.85	140.16	1085.34	14015.61	151.0-152.0	1.29	20.01	129.30	2001.44
105.0-106.0	10.40	150.56	1040.45	15056.06	152.0-153.0	1.21	21.23	121.07	2122.51
106.0-107.0	9.93	160.49	992.62	16048.68	153.0-154.0	1.13	22.36	113.48	2236.00
107.0-108.0	9.51	169.99	950.73	16999.41	154.0-155.0	1.06	23.42	106.00	2341.99
108.0-109.0	9.14	179.13	913.69	17913.10	155.0-156.0	0.99	24.41	98.67	2440.66
109.0-110.0	8.77	187.90	877.09	18790.19	156.0-157.0	0.92	25.33	92.00	2532.66
110.0-111.0	8.43	196.33	843.14	19633.34	157.0-158.0	0.86	26.18	85.70	2618.37
111.0-112.0	8.12	204.45	811.95	20445.29	158.0-159.0	0.80	26.98	79.60	2697.96
112.0-113.0	7.82	212.27	781.83	21227.12	159.0-160.0	0.74	27.72	73.62	2771.59
113.0-114.0	7.54	219.81	754.26	21981.38	160.0-161.0	0.68	28.39	67.71	2839.30
114.0-115.0	7.29	227.11	729.34	22710.72	161.0-162.0	0.62	29.02	62.21	2901.51
115.0-116.0	7.05	234.16	705.40	23416.12	162.0-163.0	0.57	29.58	56.90	2958.41
116.0-117.0	6.83	241.00	683.42	24099.54	163.0-164.0	0.52	30.10	51.69	3010.10
117.0-118.0	6.63	247.62	662.94	24762.48	164.0-165.0	0.47	30.57	46.74	3056.84
118.0-119.0	6.42	254.04	641.97	25404.44	165.0-166.0	0.42	30.99	41.98	3098.82
119.0-120.0	6.20	260.25	620.48	26024.93	166.0-167.0	0.37	31.36	37.39	3136.20
120.0-121.0	6.00	266.25	599.86	26624.79	167.0-168.0	0.33	31.69	33.04	3169.24
121.0-122.0	5.80	272.05	579.86	27204.66	168.0-169.0	0.29	31.98	29.05	3198.29
122.0-123.0	5.60	277.65	559.94	27764.60	169.0-170.0	0.25	32.24	25.44	3223.73
123.0-124.0	5.40	283.05	540.18	28304.77	170.0-171.0	0.22	32.46	22.09	3245.82
124.0-125.0	5.20	288.25	520.20	28824.97	171.0-172.0	0.19	32.65	18.89	3264.72
125.0-126.0	5.00	293.25	500.39	29325.36	172.0-173.0	0.16	32.81	15.88	3280.59
126.0-127.0	4.81	298.07	481.34	29806.70	173.0-174.0	0.13	32.94	12.98	3293.57
127.0-128.0	4.61	302.68	461.34	30268.04	174.0-175.0	0.10	33.04	10.22	3303.79
128.0-129.0	4.41	307.10	441.48	30709.52	175.0-176.0	0.08	33.12	7.81	3311.60
129.0-130.0	4.23	311.32	422.90	31132.43	176.0-177.0	0.06	33.17	5.71	3317.31
130.0-131.0	4.04	315.37	404.46	31536.88	177.0-178.0	0.04	33.21	3.76	3321.07
131.0-132.0	3.87	319.24	386.89	31923.77	178.0-179.0	0.02	33.23	2.11	3323.18
132.0-133.0	3.70	322.94	370.17	32293.95	179.0-180.0	0.01	33.24	0.68	3323.85
133.0-134.0	3.54	326.48	354.40	32648.35					
134.0-135.0	3.39	329.88	339.24	32987.59					
135.0-136.0	3.24	333.12	324.16	33311.75					
136.0-137.0	3.10	336.21	309.64	33621.39					
137.0-138.0	2.95	339.17	295.44	33916.83					
138.0-139.0	2.81	341.98	281.20	34198.04					
139.0-140.0	2.67	344.65	267.42	34465.46					
140.0-141.0	2.54	347.20	254.32	34719.78					

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Rectangle ISO Lighting Intensity Diagram

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31



Maximum Light Intensity(cd): 452.48

Maximum Cand.@Angle: H=-7.0°;V=0.0°

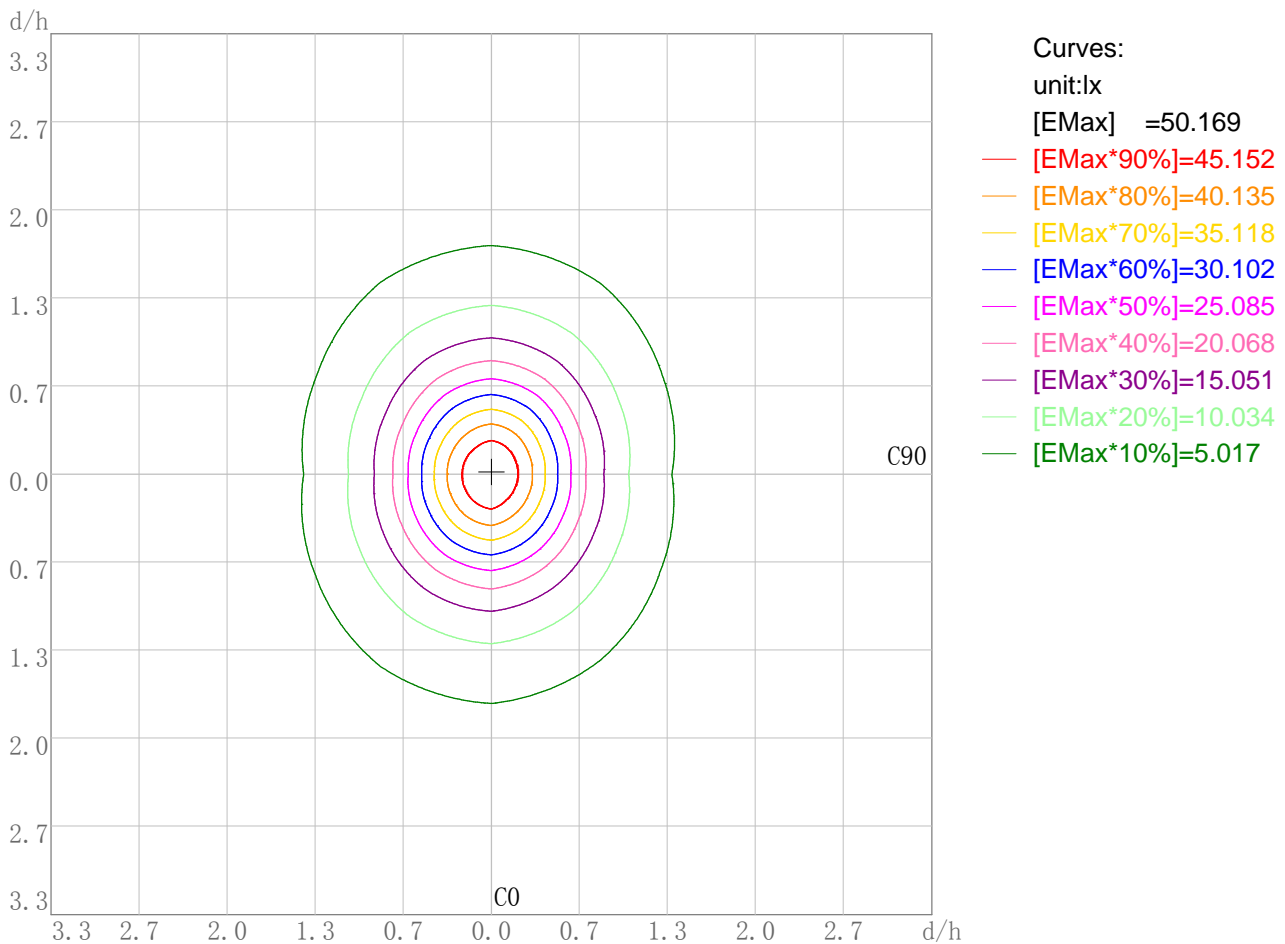
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Plane ISO-Illuminance Diagram

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 50.17

Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

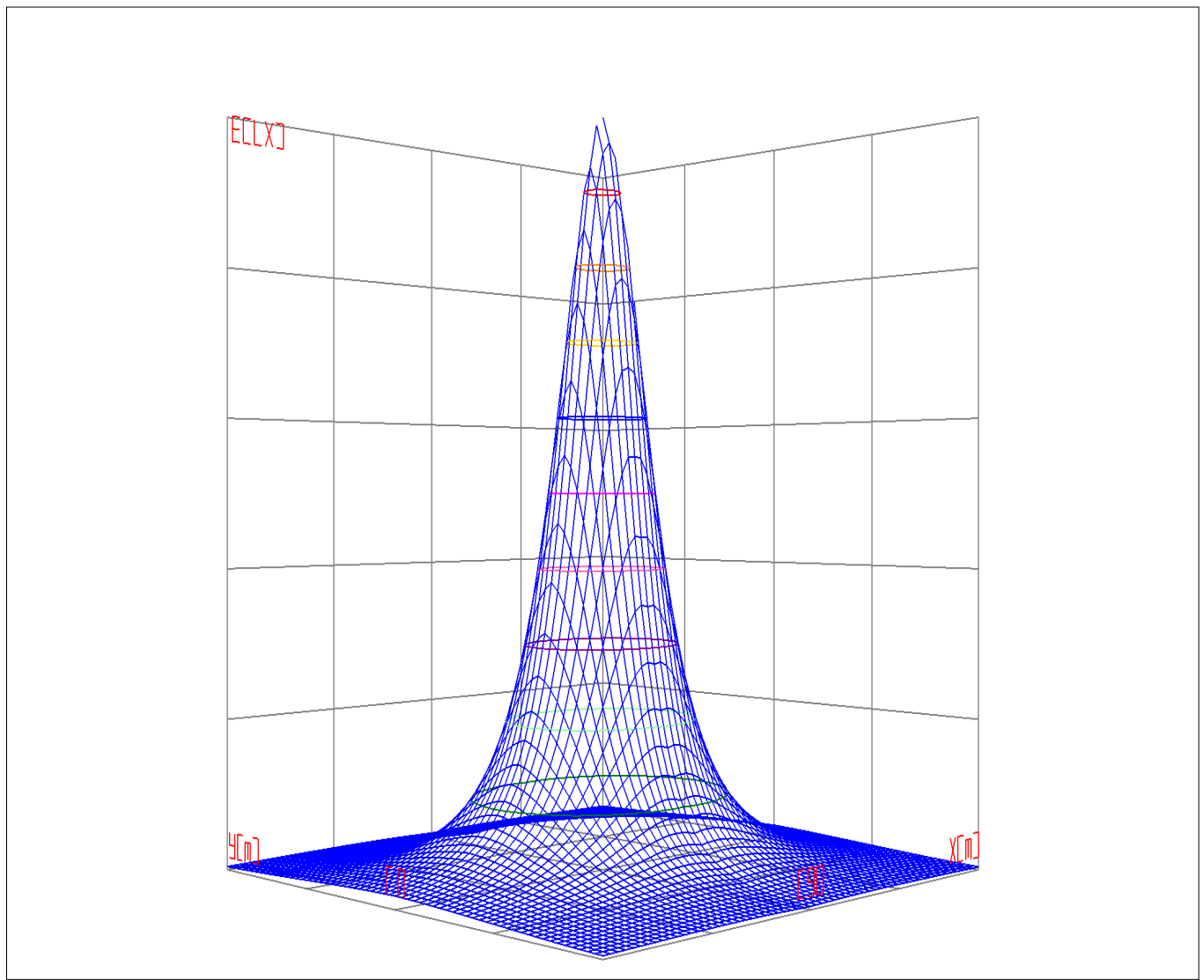
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3D Plane ISO Illuminance Diagram

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

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

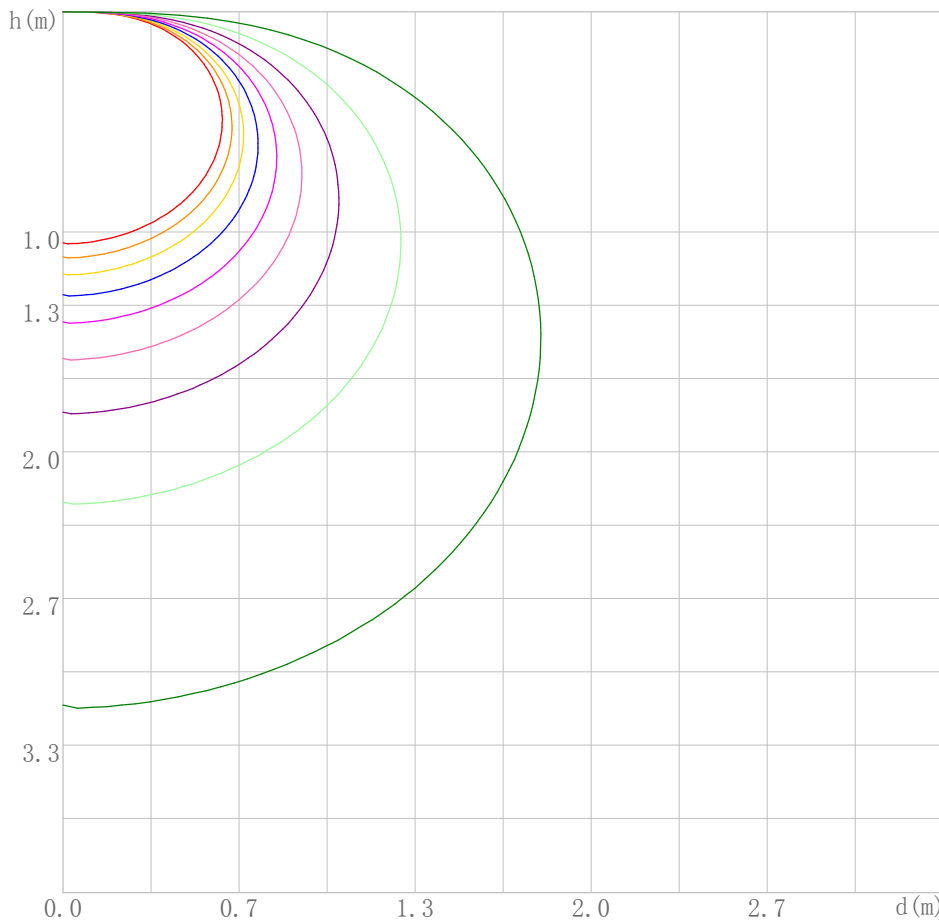
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Space ISO Illuminance Diagram

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

Space ISO Illuminance Curve



- Curves:
[Unit: lx]
[EMax] =451.335
- [EMax*90%]=406.201
 - [EMax*80%]=361.068
 - [EMax*70%]=315.934
 - [EMax*60%]=270.801
 - [EMax*50%]=225.667
 - [EMax*40%]=180.534
 - [EMax*30%]=135.400
 - [EMax*20%]=90.267
 - [EMax*10%]=45.133

Space Plane Maximum Illuminance and @Angle:451.33lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:451.541cd,0deg

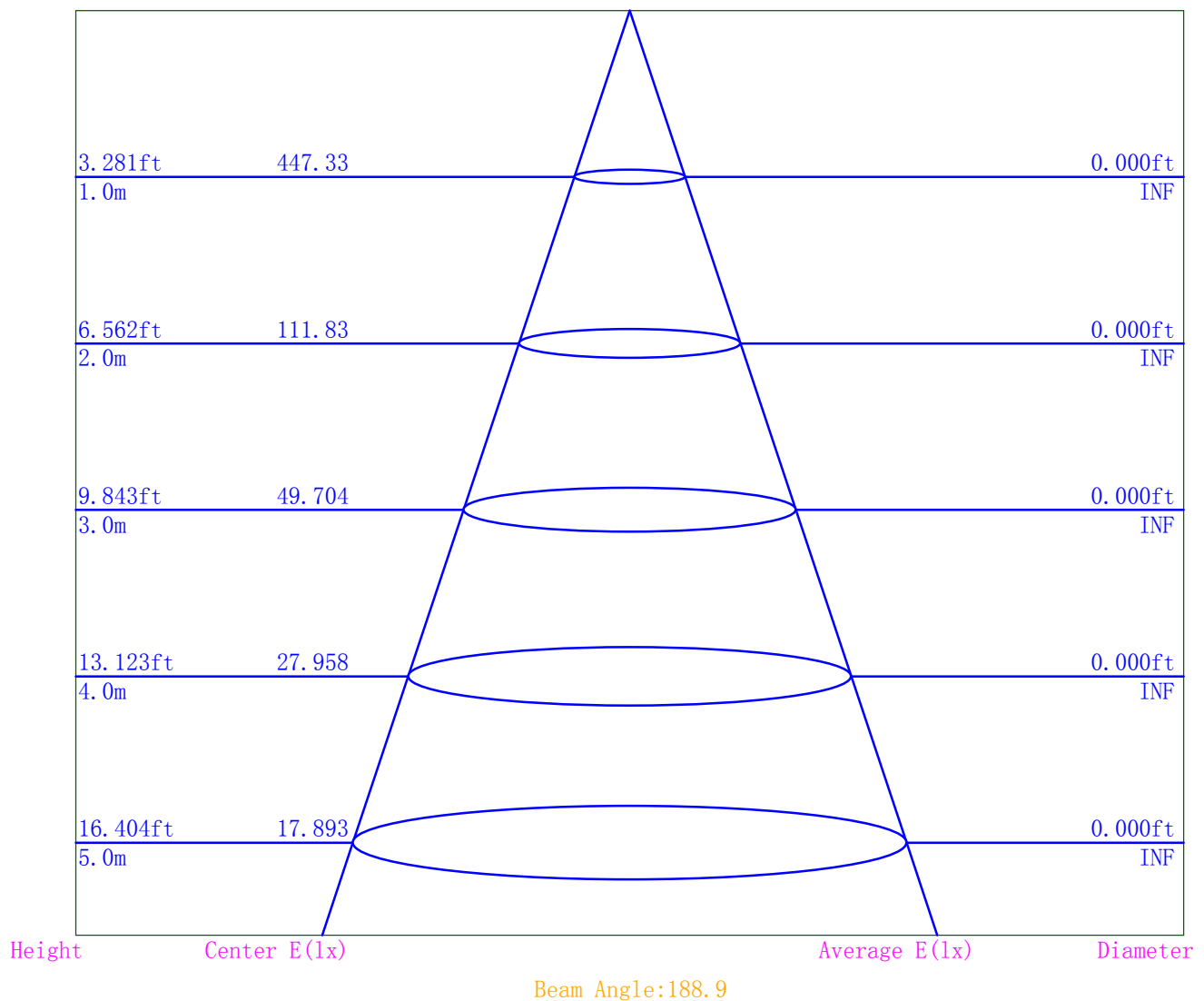
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Illuminance-Distance Diagram

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

Illuminance-Distance Curve



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Photometric Filename:181538-1 1100MM T5二 18W 99顆 4000K 2.IES

Indoor Luminance Limiting Curves

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

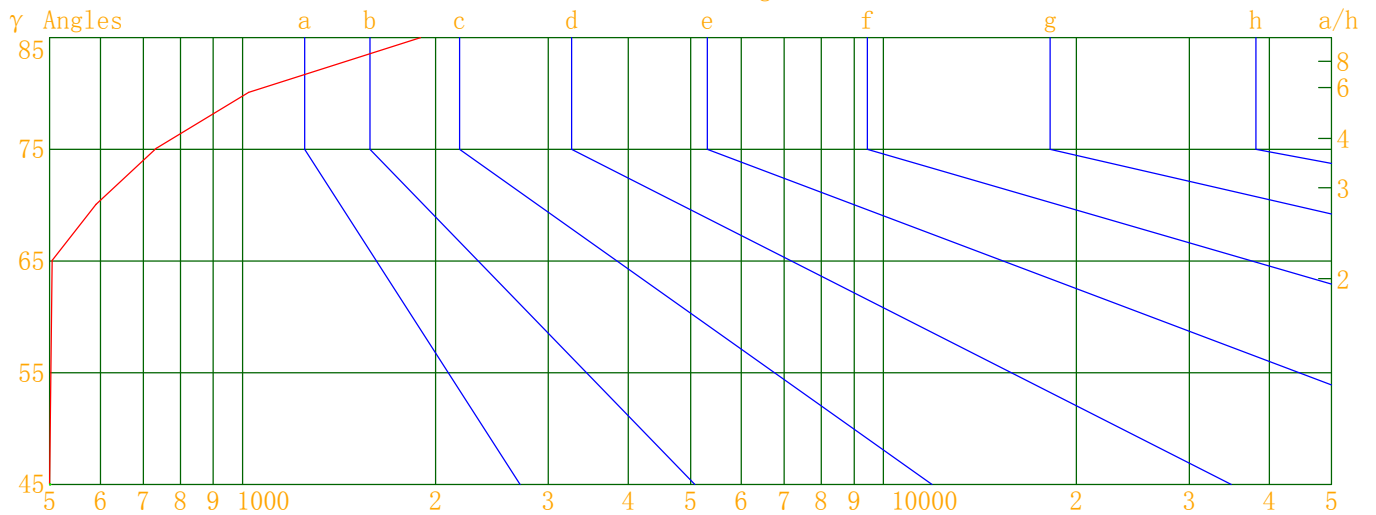
Glare Grade Table

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	355	378	408	448	505	590	733	1023	1895
C90	245	237	228	217	203	183	157	122	79

Luminance Limiting Curve



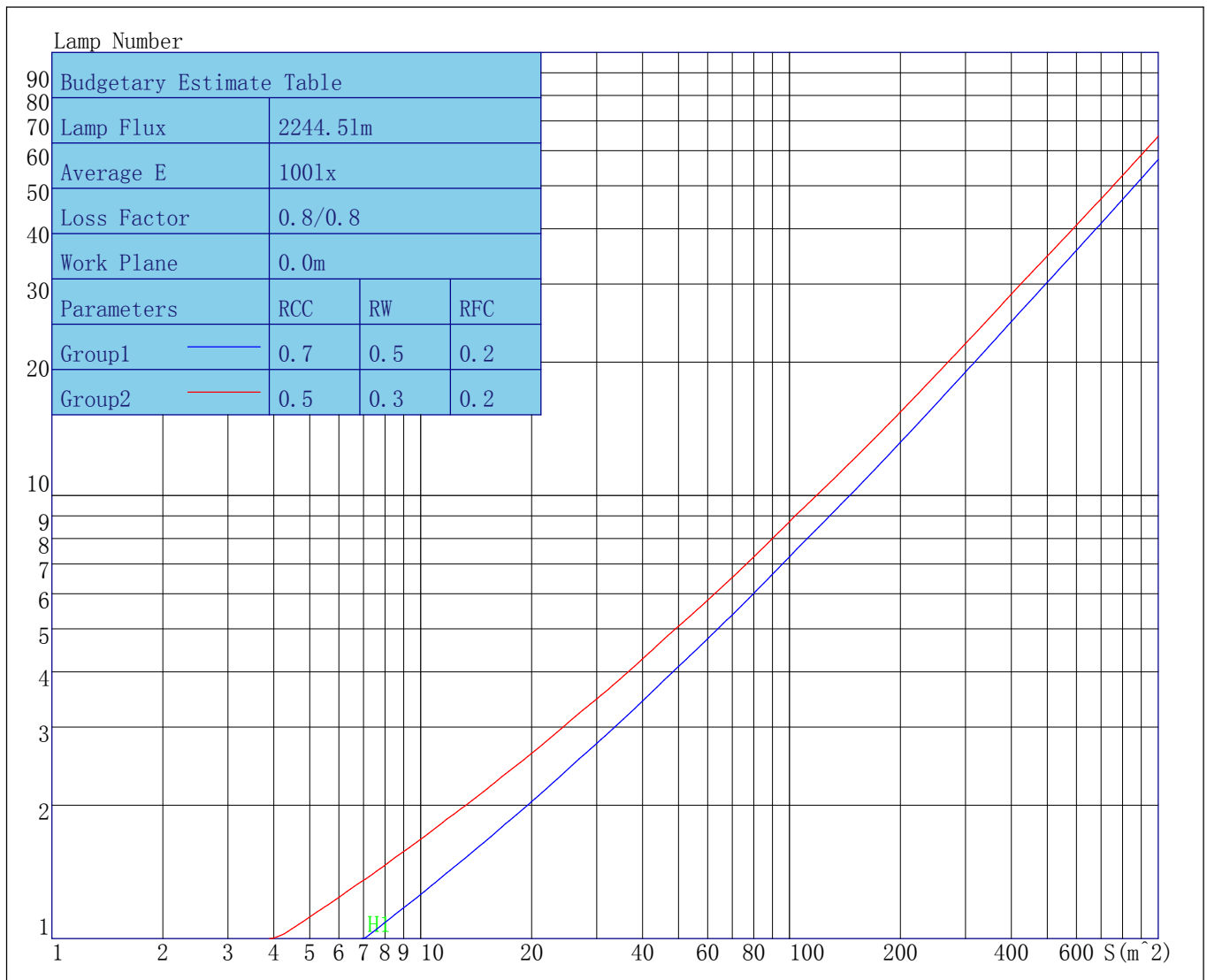
Luminous Size: Length(m)=1.200 Width(m)=0.670 Height(m)=0.670 Area(m²)=1.608000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

IES Indoor Report

Photometric Filename:181538-1 1100MM T5二 18W 99顆 4000K 2.IES

Indoor Budgetary Estimate Table

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31



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

IES Indoor Report

Photometric Filename:181538-1 1100MM T5二 18W 99颗 4000K 2.IES

Indoor Coefficient of Utilization Table

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

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	50	30	10	0
RCR	Coefficient of Utilization(%)																				
0	2566	2566	2566	2566	2955	2955	2955	2955	2248	2248	2248	2058	2058	2058	1884	1884	1884	1802	1802	1802	59
1	2264	2264	2264	2264	2704	2704	2704	2704	2035	2035	2035	1814	1814	1814	1688	1688	1688	1551	1551	1551	496
2	2030	2030	2030	2030	2431	2431	2431	2431	1825	1825	1825	1633	1633	1633	1503	1503	1503	1340	1340	1340	655
3	1834	1834	1834	1834	2214	2214	2214	2214	1673	1673	1673	1484	1484	1484	1345	1345	1345	1173	1173	1173	630
4	1669	1669	1669	1669	2011	2011	2011	2011	1514	1514	1514	1325	1325	1325	1195	1195	1195	1045	1045	1045	7107
5	1527	1527	1527	1527	1844	1844	1844	1844	1396	1396	1396	1215	1215	1215	1093	1093	1093	933	933	933	1179
6	1405	1405	1405	1405	1704	1704	1704	1704	1270	1270	1270	1104	1104	1104	984	984	984	845	845	845	2727
7	1298	1298	1298	1298	1576	1576	1576	1576	1164	1164	1164	1001	1001	1001	881	881	881	754	754	754	6044
8	1205	1205	1205	1205	1459	1459	1459	1459	1085	1085	1085	925	925	925	805	805	805	685	685	685	665
9	1123	1123	1123	1123	1376	1376	1376	1376	1027	1027	1027	865	865	865	745	745	745	625	625	625	6268
10	1050	1050	1050	1050	1285	1285	1285	1285	954	954	954	795	795	795	675	675	675	555	555	555	2625

IES Indoor Report

Photometric Filename:181538-1 1100MM T5二 18W 99顆 4000K 2.IES

Unified Glare Rating Table

Lum. Name: 181538-1 T5二 18W D46 4000K 2	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/10/31

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	-18.6	-17.2	-19.3	-18.0	-17.4	-20.9	-19.5	-21.6	-20.3	-19.7
Y=3H	-15.6	-14.4	-16.1	-15.0	-14.3	-19.2	-17.9	-19.7	-18.6	-17.9
Y=4H	-13.9	-12.7	-14.3	-13.3	-12.6	-18.4	-17.3	-18.9	-17.8	-17.1
Y=6H	-12.0	-10.9	-12.4	-11.4	-10.6	-17.9	-16.8	-18.2	-17.2	-16.5
Y=8H	-10.9	-9.9	-11.3	-10.3	-9.6	-17.7	-16.7	-18.0	-17.1	-16.3
Y=12H	-9.7	-8.7	-10.0	-9.1	-8.3	-17.6	-16.6	-17.9	-16.9	-16.2
X=4H Y=2H	-18.9	-17.7	-19.3	-18.2	-17.5	-20.5	-19.4	-21.0	-19.9	-19.2
Y=3H	-15.7	-14.7	-16.0	-15.1	-14.3	-18.6	-17.6	-18.8	-17.9	-17.2
Y=4H	-13.9	-13.0	-14.1	-13.2	-12.4	-17.6	-16.7	-17.7	-16.9	-16.1
Y=6H	-11.7	-10.9	-11.8	-11.0	-10.2	-16.6	-15.8	-16.7	-15.9	-15.1
Y=8H	-10.4	-9.7	-10.4	-9.7	-8.9	-16.2	-15.5	-16.2	-15.5	-14.7
Y=12H	-9.0	-8.3	-8.9	-8.3	-7.4	-15.9	-15.2	-15.8	-15.2	-14.3
X=8H Y=4H	-12.1	-11.3	-12.1	-11.4	-10.5	-15.7	-14.9	-15.7	-15.0	-14.1
Y=6H	-10.0	-9.4	-9.8	-9.2	-8.4	-14.7	-14.1	-14.6	-14.0	-13.1
Y=8H	-8.7	-8.2	-8.5	-8.0	-7.1	-14.3	-13.7	-14.0	-13.5	-12.6
Y=12H	-7.3	-6.8	-7.0	-6.5	-5.6	-13.9	-13.4	-13.6	-13.1	-12.2
X=12H Y=4H	-11.9	-11.2	-11.8	-11.1	-10.3	-14.9	-14.2	-14.8	-14.1	-13.3
Y=6H	-9.6	-9.1	-9.4	-8.9	-8.0	-13.6	-13.1	-13.4	-12.9	-12.0
Y=8H	-8.2	-7.8	-7.9	-7.5	-6.6	-13.0	-12.5	-12.7	-12.3	-11.4
Variations with the objverver position at spacings										
S=1.0H	0.4/-0.5					0.4/-0.5				
S=1.5H	0.7/-1.1					0.4/-0.7				
S=2.0H	0.6/-1.1					0.5/-0.7				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	7.0					5.2				

ole is calculated according to the document STD.CIE 117-199!

IES Indoor Report

Photometric Filename:181538-1 1100MM T5二 18W 99颗 4000K 2.IES

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
γ 0.0	447.33	447.33	447.33	447.33	447.33	447.33	447.33	447.33	447.33	447.33	447.33	447.33
γ 1.0	451.54	447.13	445.23	444.46	444.56	444.20	451.73	447.42	446.08	445.59	444.84	444.61
γ 2.0	451.26	446.85	444.62	443.92	444.17	444.23	451.97	447.63	445.91	445.70	445.10	444.46
γ 3.0	451.22	446.54	444.05	443.23	443.08	443.73	451.83	447.60	445.99	445.45	445.28	444.40
γ 4.0	450.75	446.09	443.54	442.22	442.64	443.41	451.72	446.03	445.62	445.35	445.21	444.66
γ 5.0	450.94	445.55	442.23	441.02	442.13	443.21	451.64	447.41	445.83	445.10	444.59	444.37
γ 6.0	450.39	445.28	441.01	440.07	440.85	442.57	452.30	447.46	445.34	444.59	444.13	444.13
γ 7.0	449.96	444.29	439.90	438.47	439.71	441.73	452.48	446.82	444.64	443.44	443.31	443.93
γ 8.0	449.65	443.95	438.55	436.76	437.98	441.24	451.43	446.68	444.23	442.89	442.76	443.38
γ 9.0	448.91	443.14	437.51	434.64	436.71	440.38	451.16	446.52	443.61	441.70	441.84	442.98
γ 10.0	448.95	442.56	435.95	433.21	435.14	439.63	451.23	445.84	442.41	440.44	441.22	442.17
γ 11.0	448.56	441.10	434.31	430.92	433.37	438.72	450.93	445.53	441.07	438.99	439.87	442.00
γ 12.0	447.82	440.45	432.07	428.70	431.43	438.12	450.54	444.56	440.02	437.48	438.49	442.18
γ 13.0	447.60	439.56	430.62	426.40	429.70	437.10	450.29	444.26	438.79	435.97	437.28	440.38
γ 14.0	446.76	438.77	428.34	423.54	427.37	435.79	449.83	443.61	437.30	434.02	435.96	439.38
γ 15.0	446.34	437.39	425.12	421.15	425.25	435.12	449.32	443.00	436.08	431.83	434.10	439.11
γ 16.0	445.76	436.43	424.53	417.98	422.99	432.60	449.04	441.93	434.26	429.72	432.29	437.49
γ 17.0	444.95	435.12	421.45	415.41	420.63	432.19	448.27	441.29	432.02	427.13	430.18	436.68
γ 18.0	444.35	433.95	418.85	411.58	417.99	431.16	448.23	440.47	430.24	424.83	428.10	435.70
γ 19.0	443.59	432.71	416.19	408.34	415.06	429.70	447.42	439.01	428.30	422.07	426.01	434.77
γ 20.0	443.31	431.33	413.66	405.01	412.19	428.07	446.83	438.59	426.14	419.08	423.67	433.38
γ 21.0	442.06	430.03	411.02	401.39	409.37	426.83	446.05	437.15	423.71	416.30	421.30	432.48
γ 22.0	441.16	428.27	408.08	397.57	406.29	425.23	445.79	436.03	421.24	412.96	418.56	430.85
γ 23.0	440.71	426.86	404.95	393.61	403.38	423.45	445.14	434.74	419.03	409.88	415.95	429.85
γ 24.0	439.54	425.36	401.72	389.80	399.93	421.63	444.18	433.16	415.96	406.22	413.40	428.37
γ 25.0	438.73	423.55	398.59	385.45	396.85	419.97	443.03	432.07	413.39	402.69	410.20	426.96
γ 26.0	437.29	421.89	395.33	381.29	393.32	417.75	442.06	429.61	410.79	398.88	407.42	425.11
γ 27.0	436.69	420.45	391.87	376.73	389.77	415.94	440.87	428.90	407.71	395.02	404.23	423.36
γ 28.0	435.12	418.14	388.46	372.21	386.27	414.00	439.87	427.50	404.65	390.77	400.92	421.96
γ 29.0	433.95	416.35	384.87	367.43	382.57	411.78	438.48	425.33	401.35	386.69	397.39	420.03
γ 30.0	432.63	414.65	381.02	362.77	378.80	409.58	437.32	423.95	398.01	382.37	394.37	418.36
γ 31.0	431.54	412.79	377.04	357.86	375.17	407.22	436.18	422.09	395.19	377.98	390.38	416.33
γ 32.0	429.70	411.32	373.82	352.85	370.73	404.60	434.73	419.84	391.51	373.43	386.94	414.58
γ 33.0	428.22	406.42	369.17	347.71	366.66	402.34	433.06	417.72	387.64	368.94	383.26	412.50
γ 34.0	426.69	406.01	365.52	342.41	362.70	399.94	431.24	415.40	384.08	363.50	379.45	410.30
γ 35.0	425.05	403.70	361.51	337.09	358.57	396.87	429.65	413.26	380.26	358.78	375.39	408.24
γ 36.0	423.36	401.28	357.12	331.61	354.00	394.26	427.98	410.94	376.65	353.70	371.17	406.42
γ 37.0	421.26	398.81	353.27	325.92	349.60	391.25	426.03	408.93	372.71	348.58	367.16	403.61
γ 38.0	419.36	396.37	348.78	320.20	344.98	388.33	423.56	406.30	368.55	342.98	363.03	401.23
γ 39.0	417.41	393.53	344.70	314.49	340.44	385.60	421.88	403.39	364.65	337.77	358.45	398.94
γ 40.0	415.68	391.04	340.31	308.60	336.07	382.74	420.06	400.90	360.12	332.02	354.22	396.34
γ 41.0	413.12	388.00	335.46	302.45	331.07	379.28	419.50	398.14	355.88	326.09	349.94	393.94
γ 42.0	410.92	385.63	331.28	296.41	326.55	376.31	415.57	395.36	351.48	320.28	345.42	391.15
γ 43.0	408.92	382.62	325.31	290.53	321.44	373.21	412.56	392.44	347.05	314.61	340.47	388.77
γ 44.0	406.75	379.78	322.15	284.18	316.59	369.71	410.53	389.76	342.64	308.78	335.83	385.99
γ 45.0	404.15	376.77	317.00	278.07	311.72	366.50	407.96	386.47	337.90	302.48	331.19	382.71
γ 46.0	401.46	373.56	312.64	271.45	306.76	362.91	405.42	383.43	333.12	296.16	326.60	379.90

IES Indoor Report

Photometric Filename:181538-1 1100MM T5二 18W 99颗 4000K 2.IES

Candela Tabulation - (Cont.)

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
γ 47.0	399.11	370.41	307.59	264.89	301.67	359.48	402.63	380.20	328.44	289.83	321.67	376.99
γ 48.0	396.55	367.63	302.62	258.24	296.69	356.26	400.20	377.36	323.58	283.55	316.60	373.88
γ 49.0	393.90	364.39	298.14	251.63	291.43	352.55	397.08	373.78	318.68	276.90	311.45	370.95
γ 50.0	390.98	360.99	293.18	245.22	286.30	349.06	394.56	370.65	313.95	270.38	306.65	367.67
γ 51.0	388.25	357.44	288.20	238.41	281.15	345.55	391.80	367.02	309.06	263.84	301.57	364.40
γ 52.0	385.35	354.48	283.22	231.13	275.82	341.78	388.70	363.71	303.95	256.79	296.63	361.38
γ 53.0	382.29	351.16	278.20	224.21	270.18	338.02	385.46	359.97	298.87	250.10	291.16	357.70
γ 54.0	379.52	347.67	273.25	217.46	265.10	334.22	382.37	356.67	293.65	243.13	286.07	354.61
γ 55.0	376.49	344.29	268.37	210.45	259.72	330.49	379.21	353.02	288.60	236.00	280.79	351.03
γ 56.0	373.17	340.51	263.19	203.41	254.43	326.48	376.01	349.45	283.40	228.79	275.64	347.41
γ 57.0	370.43	336.94	258.00	196.22	248.97	322.91	373.46	345.89	278.04	221.80	270.22	343.83
γ 58.0	367.17	333.64	253.16	188.94	243.68	318.80	369.70	341.80	272.80	214.72	264.88	340.41
γ 59.0	363.86	329.73	247.90	181.65	238.26	314.97	366.36	338.06	267.80	206.72	259.59	337.05
γ 60.0	360.43	326.15	242.72	174.54	232.84	310.87	362.88	334.58	262.45	199.98	254.17	333.02
γ 61.0	357.15	322.44	237.88	167.27	227.27	307.00	359.53	330.73	256.99	192.37	248.67	329.57
γ 62.0	353.53	318.63	232.85	159.90	222.09	303.15	355.87	326.58	251.45	185.01	243.48	325.75
γ 63.0	350.14	314.74	227.81	152.46	216.75	299.03	352.13	322.64	246.13	177.33	237.99	322.28
γ 64.0	346.48	311.07	222.81	145.09	211.40	294.76	348.71	319.03	240.79	169.74	232.65	318.39
γ 65.0	343.01	307.01	217.59	137.67	206.07	290.80	344.81	314.80	235.60	162.03	227.48	314.62
γ 66.0	339.66	303.40	212.73	130.38	200.82	286.79	340.91	310.81	230.40	154.56	221.96	310.73
γ 67.0	335.93	299.67	207.87	122.89	195.67	282.67	337.18	306.82	225.03	146.97	216.45	307.04
γ 68.0	332.26	295.44	202.92	115.71	190.49	278.38	333.56	302.85	219.67	139.28	211.26	303.05
γ 69.0	328.34	291.60	198.02	108.11	185.18	274.26	329.65	298.56	214.46	130.96	205.92	299.14
γ 70.0	324.69	287.59	193.55	100.71	180.10	269.91	325.82	294.40	209.28	123.89	200.46	295.17
γ 71.0	320.71	283.58	188.54	93.57	175.25	265.76	321.82	290.45	204.21	116.14	195.19	291.27
γ 72.0	316.88	279.67	183.91	86.42	170.02	261.63	317.81	286.17	199.01	108.45	190.30	286.95
γ 73.0	313.03	275.63	179.20	79.22	165.12	257.54	313.74	282.19	193.69	101.04	185.16	283.16
γ 74.0	309.36	271.43	174.57	72.32	160.31	253.27	309.68	277.74	188.76	93.44	179.98	279.16
γ 75.0	305.19	267.56	169.92	65.37	155.58	249.11	305.88	273.55	183.91	85.99	175.14	274.92
γ 76.0	301.44	263.59	165.28	58.71	150.84	244.82	301.78	269.07	178.81	78.55	170.16	270.88
γ 77.0	297.57	259.58	160.37	52.15	146.21	240.71	297.55	265.03	174.03	71.14	165.40	266.85
γ 78.0	293.47	255.40	156.79	45.79	141.50	236.42	293.35	260.81	169.22	64.07	160.57	262.84
γ 79.0	289.42	251.46	152.35	39.73	137.08	232.27	289.25	256.33	164.38	57.24	155.89	258.72
γ 80.0	285.57	247.50	148.08	34.09	132.71	228.34	285.05	252.20	159.89	50.40	151.26	254.74
γ 81.0	281.57	243.54	144.03	28.59	128.43	224.08	281.10	248.08	155.23	44.02	146.74	250.83
γ 82.0	277.35	239.89	139.99	23.48	124.26	219.81	276.61	243.76	150.63	37.82	142.27	246.88
γ 83.0	273.28	235.35	136.08	18.73	120.19	215.93	272.42	239.73	146.14	31.84	137.95	242.77
γ 84.0	269.52	231.79	132.13	14.71	116.08	211.94	268.34	235.51	141.96	26.32	133.71	238.46
γ 85.0	265.64	228.13	128.57	11.06	112.30	207.73	263.86	231.68	137.64	21.37	129.45	234.63
γ 86.0	261.46	224.10	124.81	8.20	108.58	203.78	259.65	227.18	133.34	16.73	125.51	230.56
γ 87.0	257.56	220.06	121.19	5.85	104.93	199.99	255.55	222.95	129.13	12.86	121.51	226.57
γ 88.0	252.93	216.38	118.01	4.47	101.46	196.07	251.27	218.85	125.32	9.63	117.93	222.78
γ 89.0	249.72	212.55	114.68	3.84	98.23	192.16	247.09	214.89	121.53	7.25	114.24	219.07
γ 90.0	245.77	208.63	111.51	3.65	94.94	188.47	243.03	210.76	117.69	5.55	110.56	215.00
γ 91.0	241.56	204.94	108.57	3.54	91.87	184.79	238.93	206.88	114.04	4.89	107.17	211.12
γ 92.0	237.42	201.38	105.49	3.61	89.07	180.97	234.66	202.91	110.54	4.56	104.04	207.47
γ 93.0	233.37	197.60	102.48	3.73	86.01	177.02	230.77	199.00	107.39	4.39	100.89	203.73

IES Indoor Report

Photometric Filename:181538-1 1100MM T5二 18W 99顆 4000K 2.IES

Candela Tabulation - (Cont.)

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
γ 94.0	229.48	193.81	99.84	3.68	83.44	173.52	226.51	194.96	104.04	4.30	97.81	199.79
γ 95.0	225.64	190.12	97.22	3.78	80.36	169.88	222.40	191.27	100.95	4.26	95.01	196.22
γ 96.0	221.69	186.64	94.10	3.87	76.77	166.19	218.42	187.23	97.91	4.25	92.08	192.62
γ 97.0	217.64	183.05	90.76	3.99	73.37	162.68	214.30	183.62	94.78	4.26	89.32	188.90
γ 98.0	213.83	179.24	87.47	4.04	69.98	159.06	210.14	179.81	91.44	4.32	86.29	185.24
γ 99.0	209.78	175.70	84.06	4.19	66.47	155.34	206.35	176.07	87.83	4.34	82.90	181.67
γ 100.0	205.74	171.86	80.80	4.20	63.35	151.29	202.11	172.25	84.14	4.27	79.54	177.98
γ 101.0	202.01	168.18	77.51	4.17	60.68	147.22	198.17	168.75	80.18	4.35	76.37	174.52
γ 102.0	197.84	164.16	74.38	4.21	58.51	143.01	194.24	164.66	76.62	4.36	73.03	170.88
γ 103.0	193.60	160.04	71.76	4.35	56.52	138.01	190.32	160.55	73.23	4.30	69.81	167.12
γ 104.0	188.82	152.80	69.48	4.43	54.72	130.09	186.02	156.27	70.36	4.30	67.10	162.86
γ 105.0	184.11	144.90	67.51	4.51	53.16	122.90	181.57	151.84	67.76	4.33	64.77	158.87
γ 106.0	175.96	138.55	64.44	4.70	51.19	117.22	176.85	145.08	65.49	4.28	62.83	150.22
γ 107.0	168.50	132.79	61.76	4.72	48.67	112.64	172.03	136.57	63.43	4.21	61.05	142.53
γ 108.0	163.15	128.94	60.24	4.88	47.13	109.26	166.22	130.76	61.40	4.19	59.42	137.22
γ 109.0	158.87	125.76	57.62	4.86	45.35	106.01	159.19	124.94	59.69	4.21	57.97	131.36
γ 110.0	154.92	121.69	54.85	4.93	42.99	102.14	152.57	120.05	57.99	4.24	56.55	127.66
γ 111.0	151.38	117.08	52.97	5.02	41.12	98.98	147.50	117.10	55.34	4.20	54.50	124.28
γ 112.0	147.79	113.62	51.71	5.19	40.07	95.22	143.31	113.86	53.22	4.32	52.17	119.94
γ 113.0	144.04	108.48	50.68	5.26	39.13	92.50	139.49	109.67	51.65	4.24	50.60	115.89
γ 114.0	140.39	106.59	49.45	5.33	38.09	91.17	135.87	106.38	49.50	4.34	49.00	112.28
γ 115.0	136.91	105.59	48.47	5.40	37.31	89.92	132.51	102.67	47.33	4.34	47.09	108.21
γ 116.0	133.54	104.01	47.45	5.40	36.48	87.89	128.95	99.74	45.53	4.43	45.14	106.10
γ 117.0	130.26	101.49	46.50	5.44	35.81	85.50	125.60	98.07	44.33	4.42	43.85	105.37
γ 118.0	127.36	99.08	45.53	5.49	35.15	83.34	122.39	96.89	43.26	4.48	42.97	103.13
γ 119.0	124.20	96.63	44.77	5.45	34.26	81.22	119.22	94.37	42.17	4.49	42.07	100.80
γ 120.0	121.09	94.29	43.93	5.49	33.66	79.15	115.89	92.06	41.09	4.46	41.24	98.25
γ 121.0	118.04	92.03	43.04	5.59	32.97	77.07	113.43	89.67	40.21	4.49	40.64	95.89
γ 122.0	115.10	89.83	42.28	5.51	32.25	74.96	110.40	87.41	39.35	4.53	39.97	93.74
γ 123.0	112.17	87.55	41.48	5.57	31.65	73.03	107.54	85.06	38.39	4.65	39.12	91.46
γ 124.0	109.35	85.40	40.24	5.58	31.10	70.89	104.53	82.92	37.65	4.69	38.51	89.17
γ 125.0	106.50	83.20	38.83	5.58	29.38	69.14	101.74	80.78	36.82	4.66	37.72	87.09
γ 126.0	103.72	81.11	37.56	5.53	28.27	67.00	98.89	78.63	35.99	4.76	37.21	85.08
γ 127.0	100.98	79.11	36.11	5.57	27.82	65.17	96.22	76.44	35.23	4.66	36.57	82.84
γ 128.0	98.24	77.01	33.24	5.69	26.39	63.33	93.47	74.24	34.40	4.67	34.53	80.74
γ 129.0	95.59	74.96	31.87	5.75	25.78	61.47	90.79	72.17	33.62	4.84	33.10	78.69
γ 130.0	93.10	72.99	30.61	5.60	25.26	59.67	88.33	70.10	31.66	4.82	32.18	76.52
γ 131.0	90.50	71.09	28.76	5.78	24.93	58.06	85.75	68.07	30.59	4.92	30.24	74.54
γ 132.0	87.92	69.10	27.97	5.70	24.46	56.41	83.18	66.21	29.89	4.93	29.00	72.54
γ 133.0	85.46	67.28	27.23	5.71	24.06	54.67	80.66	64.25	28.43	4.99	28.15	70.62
γ 134.0	83.20	65.55	26.41	5.77	23.80	53.13	78.29	62.48	27.92	5.06	27.38	68.80
γ 135.0	80.77	63.69	25.45	5.69	23.45	51.54	75.87	60.60	27.40	5.10	26.60	66.97
γ 136.0	78.36	61.94	24.55	5.74	23.02	50.02	73.44	58.88	26.93	5.15	25.85	65.17
γ 137.0	75.89	60.15	23.74	5.68	22.71	48.45	71.28	57.17	26.41	5.27	25.26	63.45
γ 138.0	73.58	58.22	23.24	5.67	22.27	47.00	68.94	55.44	25.74	5.16	24.59	61.77
γ 139.0	71.38	55.42	22.76	5.57	22.00	45.64	66.65	53.81	25.45	5.29	23.04	60.13
γ 140.0	69.16	53.08	22.15	5.58	21.54	44.30	64.59	52.08	25.01	5.20	22.81	58.54

