

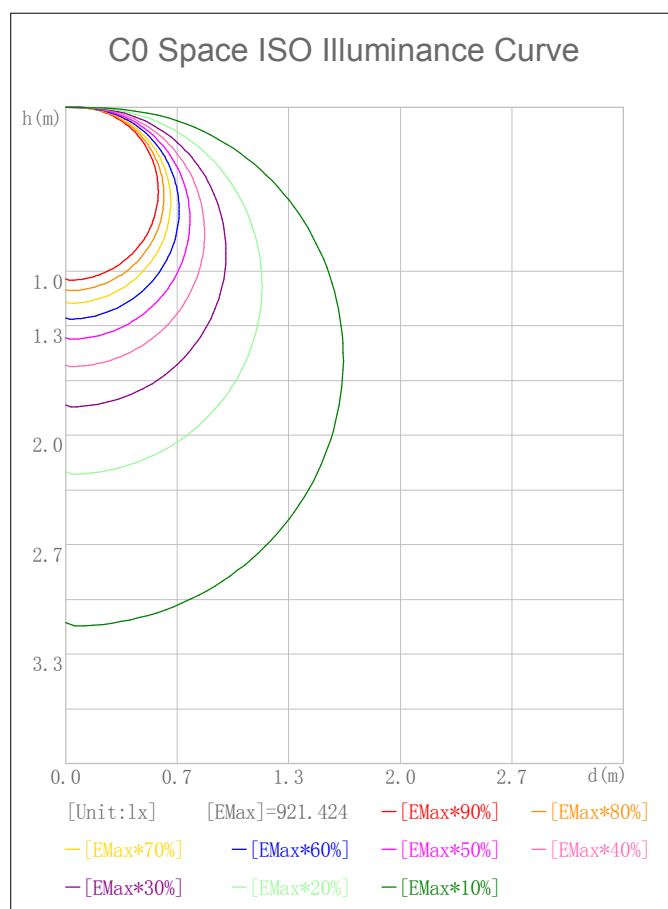
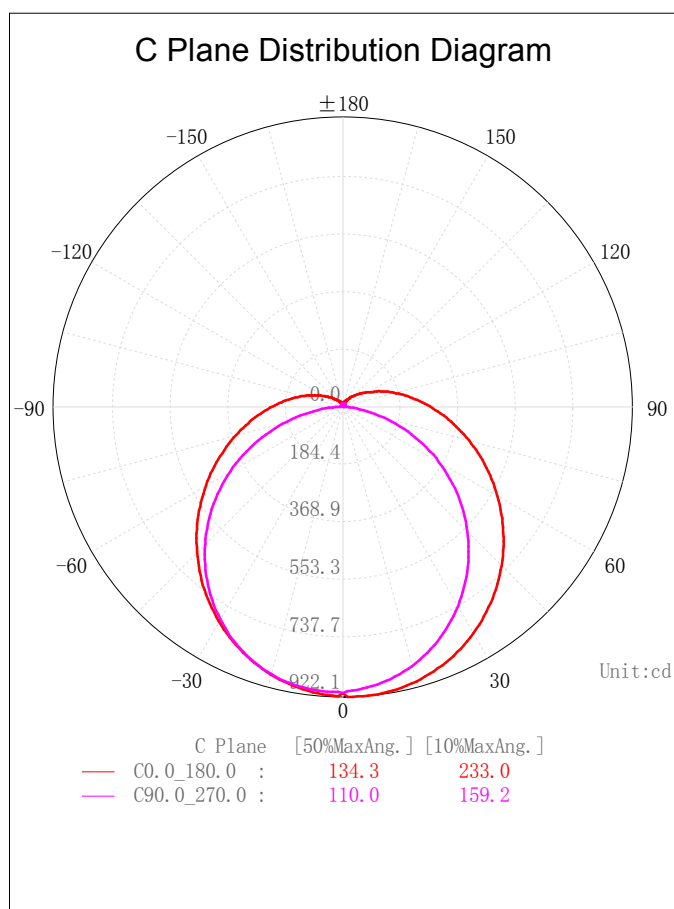
Indoor Luminaire Photometric Data

Description Information

Luminary Name: T8十三 1.5M23W155颗HL D46 40K A44		Lum. Catalog: 191111-3 SFY 0101131	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2019/08/25	
Manufacture:	Shld. Ang(°):	Test Machine: GON-2000	
Test Lab:	Frequency (Hz):	Lamp CCT (K):	Ra:
Lum. Size (W*L*H): 0.027m*1.500m*0.027m		Lum. Area (m2): 0.081	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%): 50.0

Character Parameter

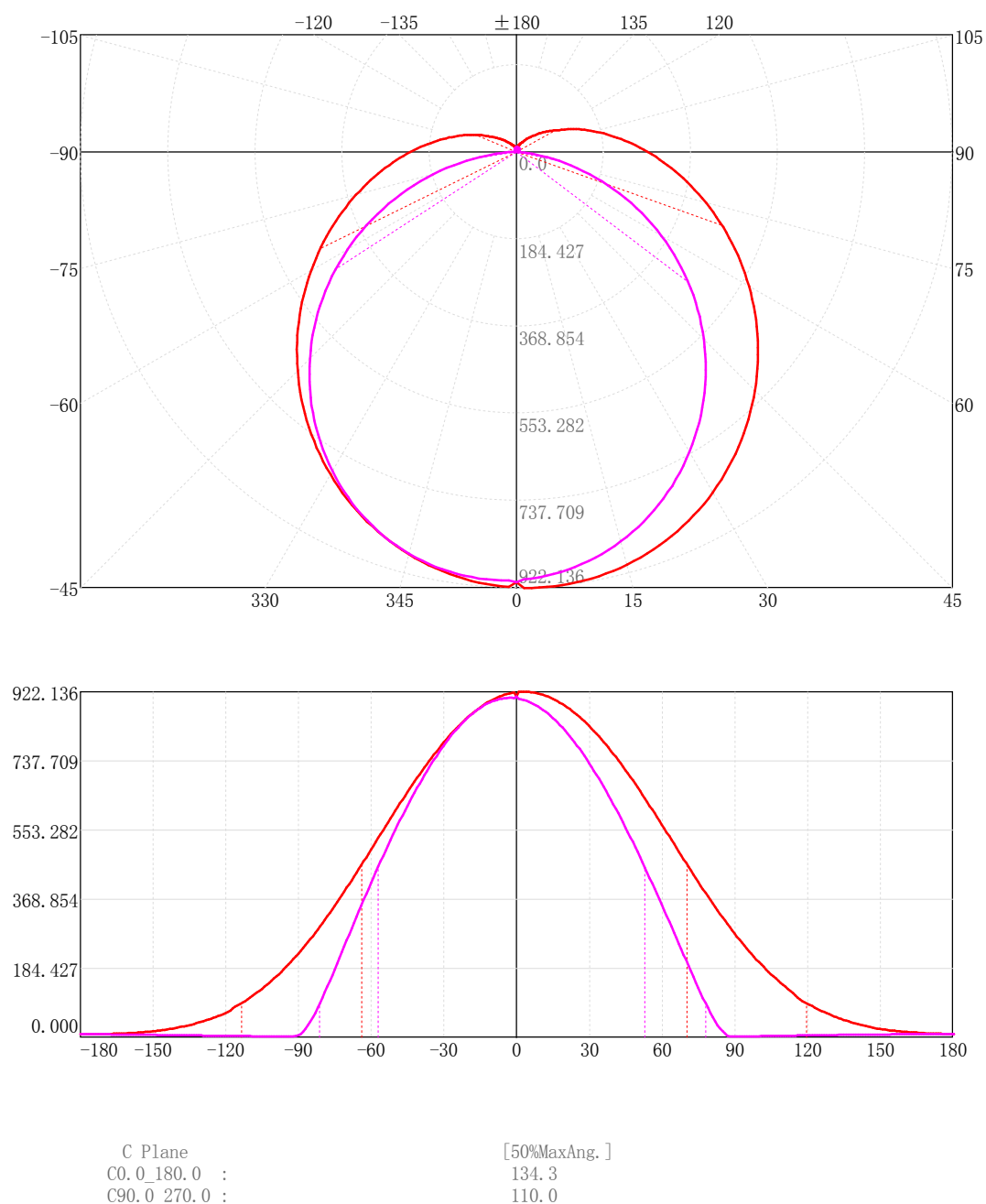
Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux (lm): 3200.000	Luminary Flux (lm): 3349.960	Field Angle(10%Imax): 233.0(°)
Rated Power (W):	Luminary Efficiency: 104.69%	Down Lumens&Percent: 3019.953lm 90.15%
Rated Voltage (V):	Luminary EER (lm/W): 147.575	Up Lumens&Percent: 330.007lm 9.85%
Tested Power (W): 22.700	Max. Candela (cd): 922.136	S/MH: C0_a180=1.321 C90_270=1.236
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=4.0	CIE Type: Semi-Direct
Tested Electrics (V, A, pf): 229.2, 0.109, 0.910	Beam Angle (50%Imax): 134.3(°)	ErP φ use (120°): 2102.240lm
Lamp Size (W*L*H): 0.027m*1.500m*0.027m	Left=-63.9°, Right=70.4°	IRF (%): 103.311



2D Plane Light Intensity Distribution Curve

Lum. Name: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

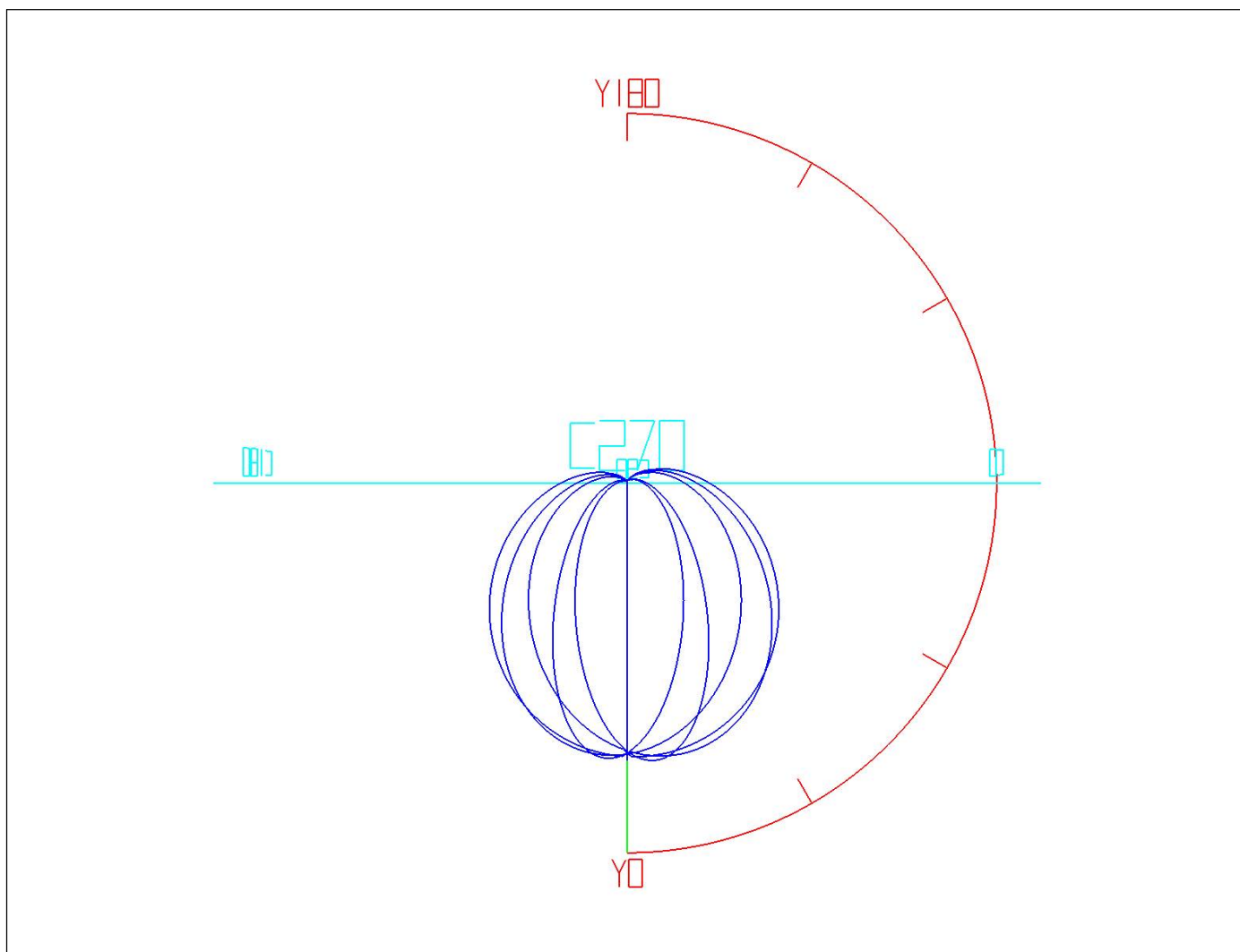
C Plane Distribution Diagram



3D Light Intensity Distribution Modal

Lum. Name: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

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:T8-PRO-523-F-NW.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	0.87	0.87	0.03	0.03	45.0-46.0	49.11	49.11	1.53	1.53
1.0-2.0	2.61	3.48	0.08	0.11	46.0-47.0	49.07	98.18	1.53	3.07
2.0-3.0	4.34	7.82	0.14	0.24	47.0-48.0	48.97	147.15	1.53	4.60
3.0-4.0	6.07	13.88	0.19	0.43	48.0-49.0	48.83	195.98	1.53	6.12
4.0-5.0	7.79	21.67	0.24	0.68	49.0-50.0	48.63	244.61	1.52	7.64
5.0-6.0	9.50	31.17	0.30	0.97	50.0-51.0	48.38	292.99	1.51	9.16
6.0-7.0	11.20	42.37	0.35	1.32	51.0-52.0	48.08	341.07	1.50	10.66
7.0-8.0	12.88	55.25	0.40	1.73	52.0-53.0	47.73	388.79	1.49	12.15
8.0-9.0	14.54	69.79	0.45	2.18	53.0-54.0	47.33	436.13	1.48	13.63
9.0-10.0	16.19	85.98	0.51	2.69	54.0-55.0	46.89	483.01	1.47	15.09
10.0-11.0	17.82	103.80	0.56	3.24	55.0-56.0	46.39	529.41	1.45	16.54
11.0-12.0	19.42	123.22	0.61	3.85	56.0-57.0	45.86	575.27	1.43	17.98
12.0-13.0	21.00	144.22	0.66	4.51	57.0-58.0	45.28	620.55	1.41	19.39
13.0-14.0	22.55	166.77	0.70	5.21	58.0-59.0	44.66	665.20	1.40	20.79
14.0-15.0	24.07	190.84	0.75	5.96	59.0-60.0	44.00	709.20	1.37	22.16
15.0-16.0	25.56	216.40	0.80	6.76	60.0-61.0	43.30	752.49	1.35	23.52
16.0-17.0	27.02	243.42	0.84	7.61	61.0-62.0	42.56	795.05	1.33	24.85
17.0-18.0	28.44	271.86	0.89	8.50	62.0-63.0	41.79	836.84	1.31	26.15
18.0-19.0	29.83	301.68	0.93	9.43	63.0-64.0	40.98	877.81	1.28	27.43
19.0-20.0	31.17	332.86	0.97	10.40	64.0-65.0	40.14	917.95	1.25	28.69
20.0-21.0	32.48	365.34	1.02	11.42	65.0-66.0	39.27	957.22	1.23	29.91
21.0-22.0	33.75	399.09	1.05	12.47	66.0-67.0	38.38	995.60	1.20	31.11
22.0-23.0	34.97	434.07	1.09	13.56	67.0-68.0	37.46	1033.06	1.17	32.28
23.0-24.0	36.15	470.22	1.13	14.69	68.0-69.0	36.51	1069.57	1.14	33.42
24.0-25.0	37.29	507.51	1.17	15.86	69.0-70.0	35.55	1105.12	1.11	34.54
25.0-26.0	38.38	545.88	1.20	17.06	70.0-71.0	34.57	1139.69	1.08	35.62
26.0-27.0	39.42	585.30	1.23	18.29	71.0-72.0	33.57	1173.26	1.05	36.66
27.0-28.0	40.41	625.71	1.26	19.55	72.0-73.0	32.56	1205.82	1.02	37.68
28.0-29.0	41.35	667.06	1.29	20.85	73.0-74.0	31.54	1237.36	0.99	38.67
29.0-30.0	42.24	709.29	1.32	22.17	74.0-75.0	30.51	1267.88	0.95	39.62
30.0-31.0	43.08	752.37	1.35	23.51	75.0-76.0	29.48	1297.35	0.92	40.54
31.0-32.0	43.86	796.23	1.37	24.88	76.0-77.0	28.44	1325.80	0.89	41.43
32.0-33.0	44.60	840.83	1.39	26.28	77.0-78.0	27.41	1353.20	0.86	42.29
33.0-34.0	45.27	886.10	1.41	27.69	78.0-79.0	26.38	1379.58	0.82	43.11
34.0-35.0	45.90	932.00	1.43	29.13	79.0-80.0	25.36	1404.94	0.79	43.90
35.0-36.0	46.47	978.47	1.45	30.58	80.0-81.0	24.34	1429.28	0.76	44.67
36.0-37.0	46.98	1025.45	1.47	32.05	81.0-82.0	23.35	1452.63	0.73	45.39
37.0-38.0	47.44	1072.90	1.48	33.53	82.0-83.0	22.37	1475.00	0.70	46.09
38.0-39.0	47.84	1120.74	1.50	35.02	83.0-84.0	21.42	1496.42	0.67	46.76
39.0-40.0	48.19	1168.93	1.51	36.53	84.0-85.0	20.50	1516.92	0.64	47.40
40.0-41.0	48.48	1217.41	1.52	38.04	85.0-86.0	19.60	1536.52	0.61	48.02
41.0-42.0	48.71	1266.13	1.52	39.57	86.0-87.0	18.74	1555.26	0.59	48.60
42.0-43.0	48.90	1315.02	1.53	41.09	87.0-88.0	17.93	1573.19	0.56	49.16
43.0-44.0	49.02	1364.04	1.53	42.63	88.0-89.0	17.17	1590.36	0.54	49.70
44.0-45.0	49.09	1413.14	1.53	44.16	89.0-90.0	16.45	1606.82	0.51	50.21

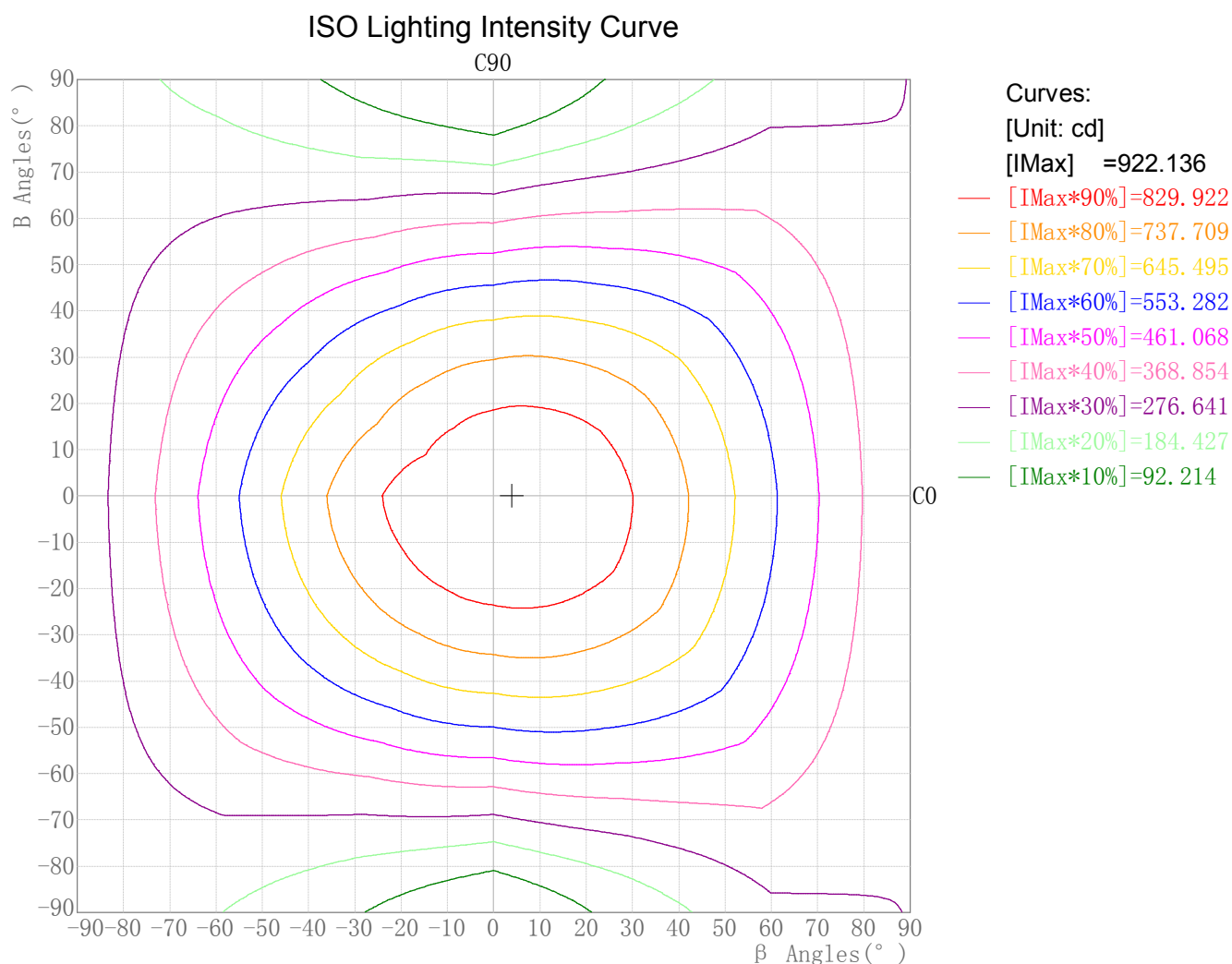
IES Indoor Report
Photometric Filename:T8-PRO-523-F-NW.IES

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
90.0-91.0	15.77	15.77	0.49	0.49	135.0-136.0	1.64	1.64	0.05	0.05
91.0-92.0	15.13	30.90	0.47	0.97	136.0-137.0	1.56	3.19	0.05	0.10
92.0-93.0	14.50	45.40	0.45	1.42	137.0-138.0	1.48	4.67	0.05	0.15
93.0-94.0	13.90	59.31	0.43	1.85	138.0-139.0	1.40	6.07	0.04	0.19
94.0-95.0	13.32	72.62	0.42	2.27	139.0-140.0	1.32	7.39	0.04	0.23
95.0-96.0	12.75	85.38	0.40	2.67	140.0-141.0	1.24	8.63	0.04	0.27
96.0-97.0	12.21	97.59	0.38	3.05	141.0-142.0	1.17	9.81	0.04	0.31
97.0-98.0	11.68	109.27	0.36	3.41	142.0-143.0	1.11	10.92	0.03	0.34
98.0-99.0	11.17	120.44	0.35	3.76	143.0-144.0	1.05	11.97	0.03	0.37
99.0-100.0	10.68	131.11	0.33	4.10	144.0-145.0	0.99	12.95	0.03	0.40
100.0-101.0	10.20	141.32	0.32	4.42	145.0-146.0	0.93	13.88	0.03	0.43
101.0-102.0	9.75	151.07	0.30	4.72	146.0-147.0	0.87	14.75	0.03	0.46
102.0-103.0	9.31	160.38	0.29	5.01	147.0-148.0	0.82	15.57	0.03	0.49
103.0-104.0	8.89	169.27	0.28	5.29	148.0-149.0	0.78	16.35	0.02	0.51
104.0-105.0	8.48	177.75	0.27	5.55	149.0-150.0	0.74	17.08	0.02	0.53
105.0-106.0	8.09	185.84	0.25	5.81	150.0-151.0	0.70	17.78	0.02	0.56
106.0-107.0	7.71	193.55	0.24	6.05	151.0-152.0	0.66	18.44	0.02	0.58
107.0-108.0	7.34	200.89	0.23	6.28	152.0-153.0	0.62	19.06	0.02	0.60
108.0-109.0	6.97	207.86	0.22	6.50	153.0-154.0	0.59	19.65	0.02	0.61
109.0-110.0	6.63	214.49	0.21	6.70	154.0-155.0	0.56	20.21	0.02	0.63
110.0-111.0	6.31	220.79	0.20	6.90	155.0-156.0	0.53	20.74	0.02	0.65
111.0-112.0	5.98	226.78	0.19	7.09	156.0-157.0	0.50	21.23	0.02	0.66
112.0-113.0	5.67	232.45	0.18	7.26	157.0-158.0	0.47	21.70	0.01	0.68
113.0-114.0	5.37	237.82	0.17	7.43	158.0-159.0	0.44	22.15	0.01	0.69
114.0-115.0	5.06	242.88	0.16	7.59	159.0-160.0	0.42	22.57	0.01	0.71
115.0-116.0	4.78	247.66	0.15	7.74	160.0-161.0	0.39	22.96	0.01	0.72
116.0-117.0	4.53	252.20	0.14	7.88	161.0-162.0	0.37	23.33	0.01	0.73
117.0-118.0	4.29	256.49	0.13	8.02	162.0-163.0	0.35	23.68	0.01	0.74
118.0-119.0	4.07	260.56	0.13	8.14	163.0-164.0	0.32	24.00	0.01	0.75
119.0-120.0	3.87	264.43	0.12	8.26	164.0-165.0	0.30	24.30	0.01	0.76
120.0-121.0	3.68	268.11	0.11	8.38	165.0-166.0	0.28	24.58	0.01	0.77
121.0-122.0	3.49	271.60	0.11	8.49	166.0-167.0	0.26	24.84	0.01	0.78
122.0-123.0	3.32	274.92	0.10	8.59	167.0-168.0	0.24	25.08	0.01	0.78
123.0-124.0	3.15	278.07	0.10	8.69	168.0-169.0	0.22	25.29	0.01	0.79
124.0-125.0	2.99	281.06	0.09	8.78	169.0-170.0	0.20	25.49	0.01	0.80
125.0-126.0	2.84	283.90	0.09	8.87	170.0-171.0	0.18	25.66	0.01	0.80
126.0-127.0	2.70	286.60	0.08	8.96	171.0-172.0	0.16	25.82	0.00	0.81
127.0-128.0	2.56	289.16	0.08	9.04	172.0-173.0	0.14	25.96	0.00	0.81
128.0-129.0	2.42	291.58	0.08	9.11	173.0-174.0	0.12	26.08	0.00	0.81
129.0-130.0	2.29	293.87	0.07	9.18	174.0-175.0	0.10	26.18	0.00	0.82
130.0-131.0	2.17	296.05	0.07	9.25	175.0-176.0	0.08	26.26	0.00	0.82
131.0-132.0	2.05	298.10	0.06	9.32	176.0-177.0	0.06	26.32	0.00	0.82
132.0-133.0	1.94	300.04	0.06	9.38	177.0-178.0	0.04	26.37	0.00	0.82
133.0-134.0	1.83	301.87	0.06	9.43	178.0-179.0	0.03	26.39	0.00	0.82
134.0-135.0	1.73	303.61	0.05	9.49	179.0-180.0	0.01	26.40	0.00	0.83

Rectangle ISO Lighting Intensity Diagram

Lum. Name: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

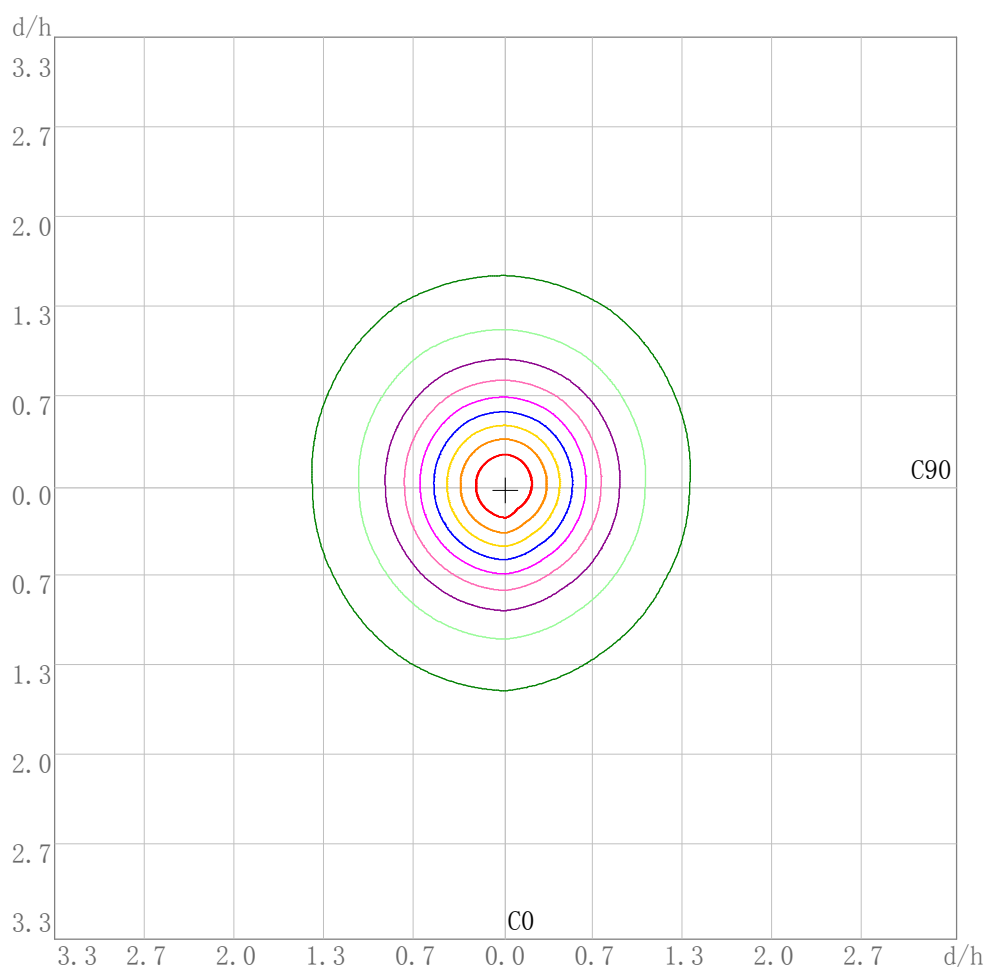


Maximum Light Intensity(cd): 922.14
 Maximum Cand.@Angle: H=4.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

Plane ISO-Illuminance Curve



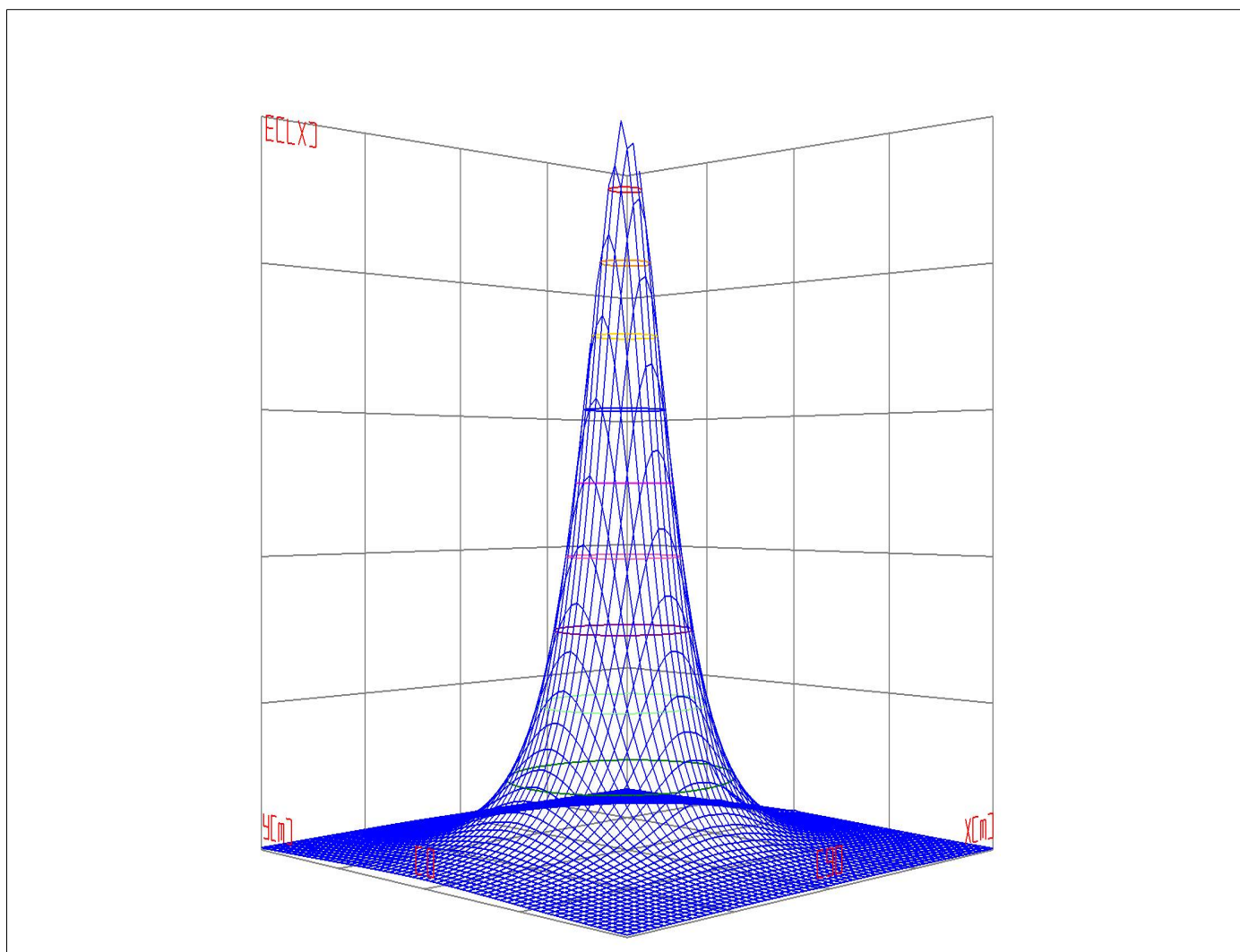
- Curves:
unit:lx
[E_{Max}] =102.380
- [E_{Max}*90%]=92.142
 - [E_{Max}*80%]=81.904
 - [E_{Max}*70%]=71.666
 - [E_{Max}*60%]=61.428
 - [E_{Max}*50%]=51.190
 - [E_{Max}*40%]=40.952
 - [E_{Max}*30%]=30.714
 - [E_{Max}*20%]=20.476
 - [E_{Max}*10%]=10.238

Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 102.38
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

3D Plane Illuminance Modal

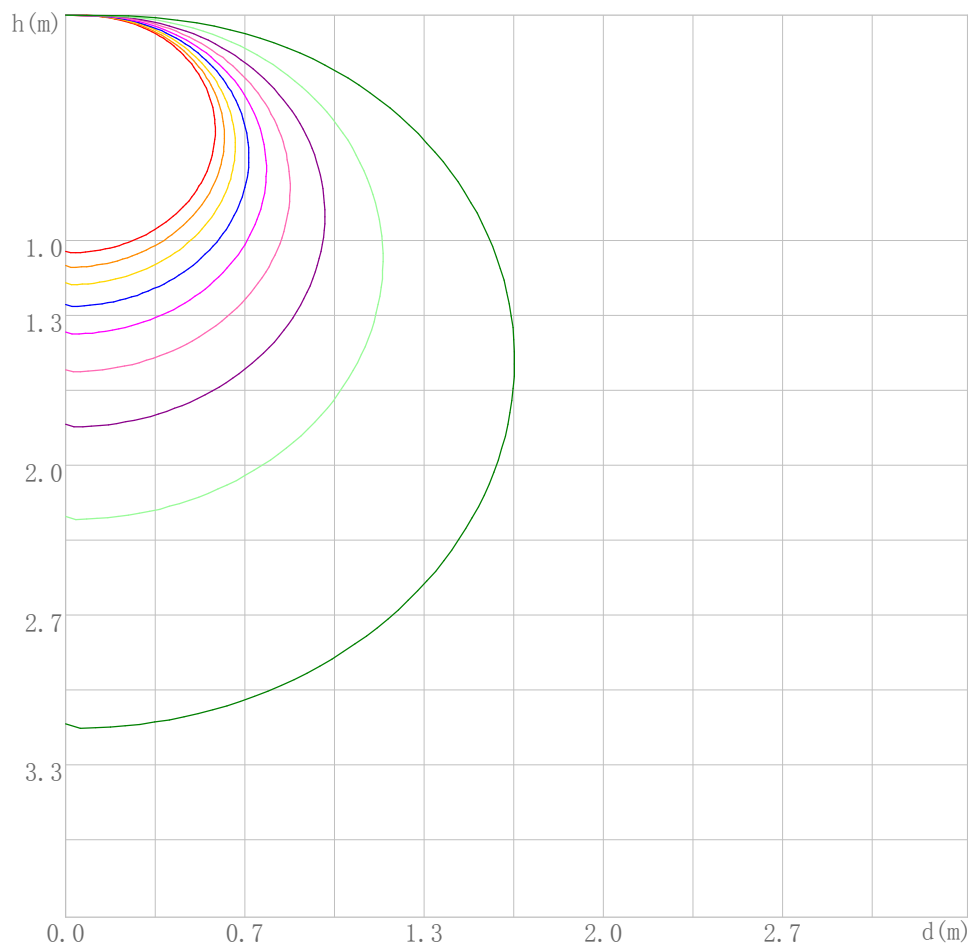


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

Space ISO Illuminance Curve



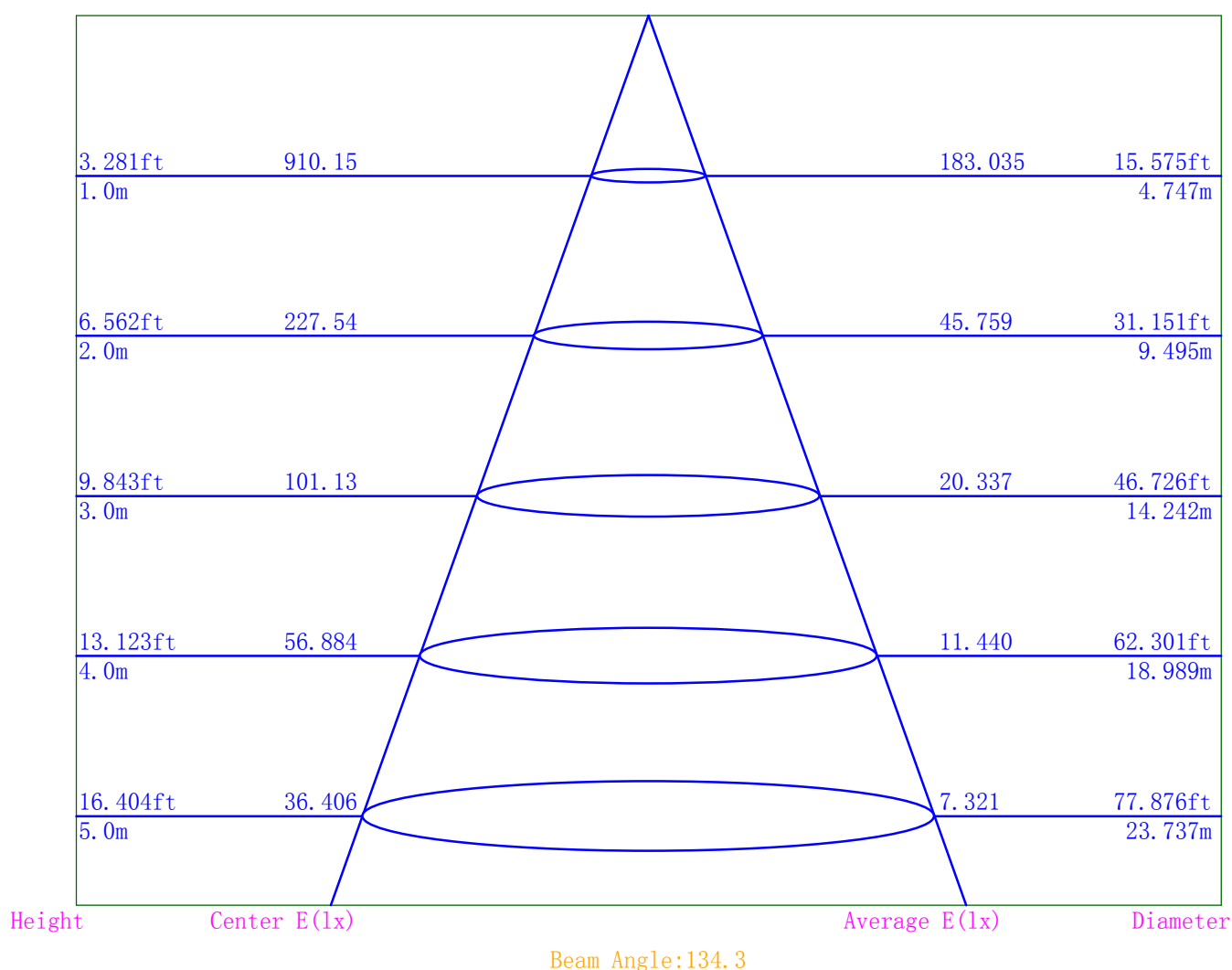
- Curves:
 [Unit: lx]
 [EMax] =921.424
- [EMax*90%]=829.281
 - [EMax*80%]=737.139
 - [EMax*70%]=644.997
 - [EMax*60%]=552.854
 - [EMax*50%]=460.712
 - [EMax*40%]=368.570
 - [EMax*30%]=276.427
 - [EMax*20%]=184.285
 - [EMax*10%]=92.142

Space Plane Maximum Illuminance and @Angle:921.42lx,1.0deg
 Plane Maximum Lighting Intensity and @Angle:922.136cd,0deg

Illuminance-Distance Diagram

Lum. Name: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: T8十三 1.5M23W155 類HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2019/08/25

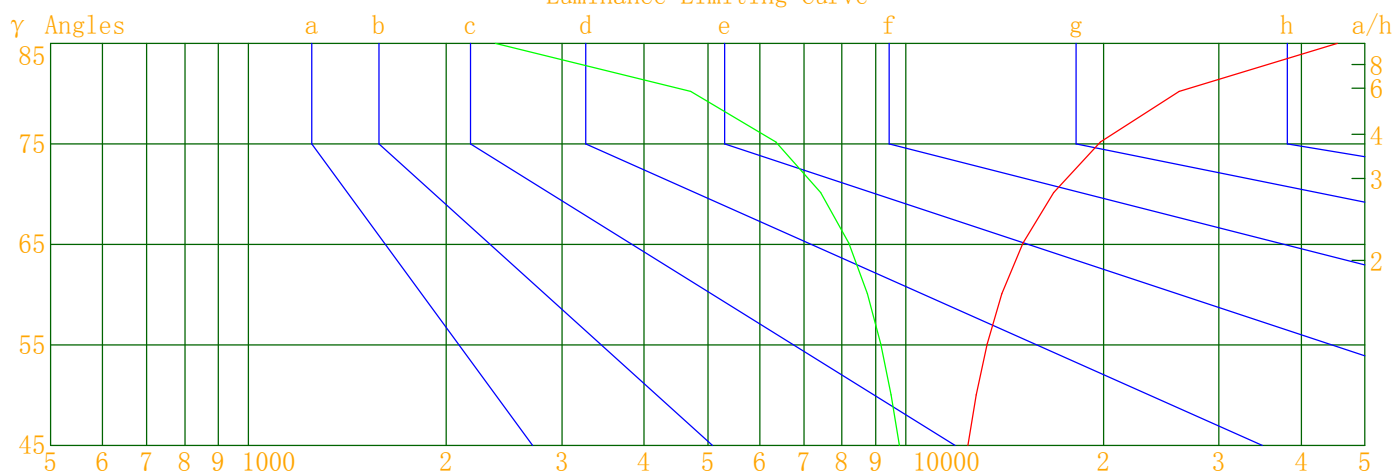
Glare Grade Table

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	12457	12812	13305	14019	15090	16797	19804	26076	45437
C90	9781	9502	9165	8742	8193	7433	6351	4715	2378

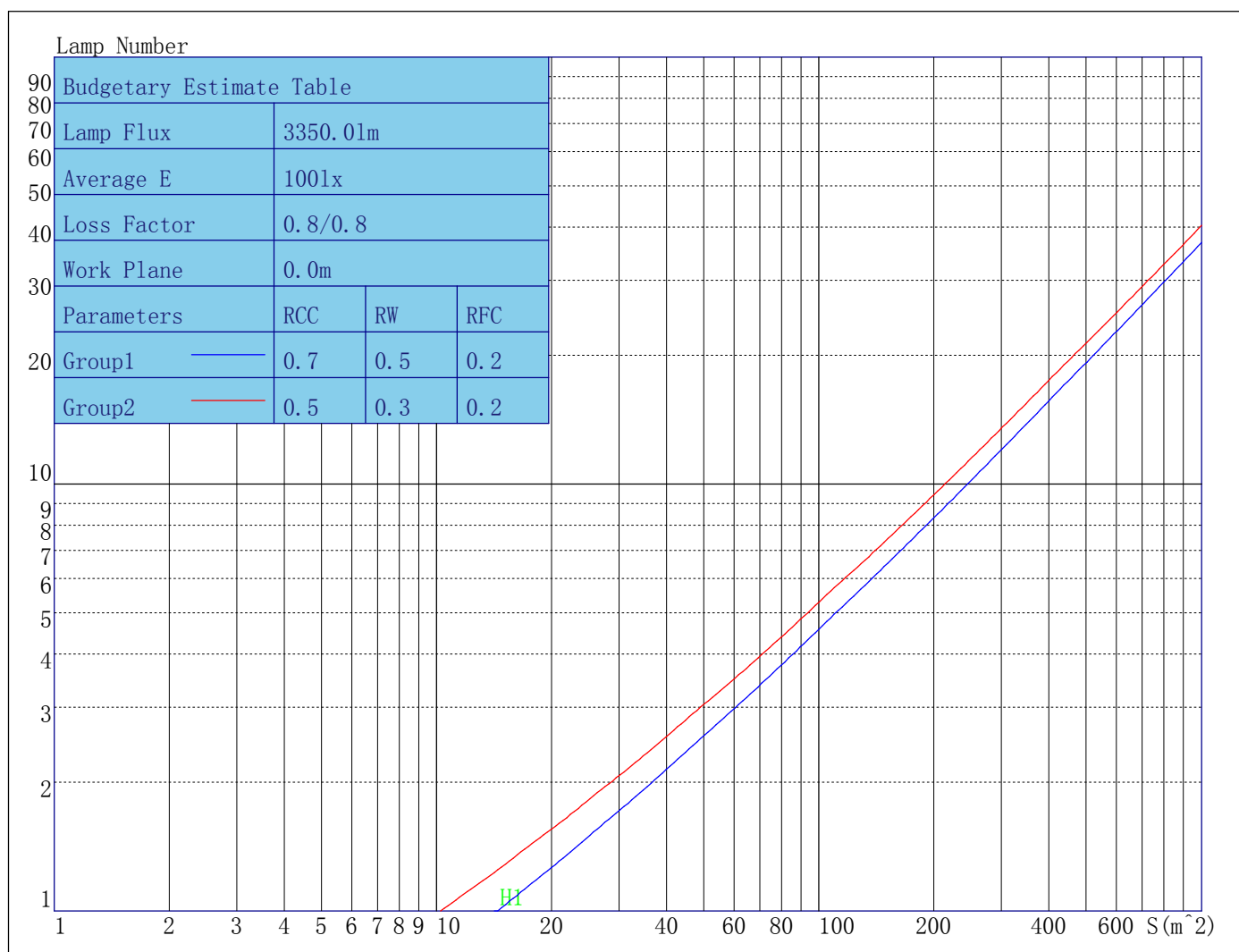
Luminance Limiting Curve



Luminous Size: Length(m)=1.500 Width(m)=0.027 Height(m)=0.027 Area(m²)=0.081000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: T8十三 1.5M23W155 類HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2019/08/25



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: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

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	122	122	122	122	118	118	118	118	111	111	111	104	104	104	97	97	97	94
1	109	103	98	93	105	100	95	91	93	89	86	87	84	81	82	80	77	74
2	98	89	81	74	95	86	79	72	80	74	69	75	70	66	71	67	63	60
3	89	77	68	61	86	75	66	60	70	63	57	66	60	55	62	57	53	50
4	81	68	58	51	78	66	57	50	62	54	48	58	52	46	55	49	45	42
5	75	61	51	44	72	59	50	43	55	47	41	52	45	40	49	43	39	36
6	69	54	45	38	66	53	44	37	50	42	36	47	40	35	45	38	34	31
7	64	49	40	33	61	48	39	33	45	37	32	43	36	31	41	34	30	28
8	59	45	36	29	57	44	35	29	41	34	28	39	32	27	37	31	27	24
9	55	41	32	26	53	40	32	26	38	31	25	36	29	25	34	28	24	22
10	52	38	29	24	50	37	29	23	35	28	23	33	27	22	32	26	22	20

Unified Glare Rating Table

Lum. Name: T8十三 1.5M23W155颗HL D46 40K A44	Lum. Catalog: 191111-3 SFY 01011	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/25

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	19.6	21.1	18.7	20.0	20.5	17.0	18.5	16.1	17.4	17.9
	Y=3H	22.2	23.5	21.4	22.6	23.1	18.6	19.9	17.8	19.0	19.5
	Y=4H	23.6	24.8	22.9	24.0	24.5	19.2	20.5	18.6	19.7	20.2
	Y=6H	25.1	26.3	24.5	25.6	26.1	19.6	20.8	19.1	20.1	20.6
	Y=8H	26.0	27.1	25.4	26.5	27.0	19.7	20.9	19.2	20.2	20.8
	Y=12H	26.9	28.0	26.5	27.4	28.0	19.8	20.8	19.3	20.3	20.8
X=4H	Y=2H	19.4	20.6	18.7	19.8	20.3	17.0	18.3	16.4	17.5	18.0
	Y=3H	22.0	23.1	21.6	22.5	23.1	18.7	19.8	18.2	19.2	19.8
	Y=4H	23.6	24.6	23.2	24.1	24.7	19.5	20.5	19.1	20.0	20.6
	Y=6H	25.4	26.3	25.2	26.0	26.6	20.2	21.0	19.9	20.7	21.3
	Y=8H	26.5	27.3	26.3	27.0	27.7	20.4	21.2	20.2	21.0	21.6
	Y=12H	27.6	28.4	27.6	28.2	28.9	20.5	21.3	20.5	21.1	21.8
X=8H	Y=4H	25.3	26.1	25.2	25.9	26.5	21.8	22.6	21.6	22.4	23.0
	Y=6H	27.1	27.7	27.1	27.7	28.3	22.4	23.1	22.4	23.0	23.7
	Y=8H	28.1	28.7	28.2	28.7	29.4	22.7	23.2	22.8	23.3	24.0
	Y=12H	29.3	29.8	29.5	30.0	30.7	22.9	23.4	23.0	23.5	24.2
X=12H	Y=4H	25.5	26.2	25.4	26.1	26.7	22.5	23.2	22.4	23.1	23.7
	Y=6H	27.4	28.0	27.5	28.0	28.7	23.4	23.9	23.5	24.0	24.7
	Y=8H	28.5	29.0	28.7	29.2	29.9	23.8	24.3	24.0	24.4	25.2
Variations with the objverver position at spacings											
S=1.0H	0.4/-0.4					0.4/-0.5					
S=1.5H	0.7/-1.1					0.6/-0.8					
S=2.0H	0.5/-1.0					0.8/-0.8					
Reduced UGR Table:											
Nordic Standard Table:	BK0					BK0					
Correction Value	6.1					4.5					

is calculated according to the document STD.CIE 117-1995

IES Indoor Report

Photometric Filename:T8-PRO-523-F-NW.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	910.15	910.15	910.15	910.15	910.15	910.15	910.15	910.15	910.15	910.15	910.15	910.15
γ 1.0	921.84	913.15	907.64	903.70	900.46	898.83	920.21	911.97	908.04	905.54	903.77	902.59
γ 2.0	922.11	913.17	907.09	902.25	898.57	896.64	918.97	910.95	907.64	906.03	904.98	904.13
γ 3.0	922.11	912.97	905.94	900.59	896.07	894.17	917.59	909.76	907.07	906.12	905.65	905.14
γ 4.0	922.14	912.64	904.49	898.41	893.36	891.31	915.87	908.40	906.13	905.68	906.23	906.28
γ 5.0	921.60	912.01	902.89	895.91	890.33	888.10	913.97	906.45	904.91	905.15	906.30	906.72
γ 6.0	920.87	910.88	900.87	893.04	886.87	884.89	911.90	904.39	903.25	904.11	905.99	907.15
γ 7.0	919.98	909.54	898.71	889.83	883.28	881.20	909.28	902.04	901.19	902.75	905.49	907.19
γ 8.0	919.00	907.88	896.05	886.41	879.23	877.27	906.67	899.36	898.98	900.94	904.65	906.90
γ 9.0	917.60	906.05	893.03	882.57	875.04	873.11	903.75	896.46	896.46	898.84	903.45	906.35
γ 10.0	915.83	904.04	889.90	878.37	870.34	868.66	900.41	893.23	893.47	896.52	901.97	905.59
γ 11.0	913.82	901.59	886.30	873.82	865.52	864.03	896.92	889.72	890.12	893.74	900.13	904.48
γ 12.0	911.63	898.97	882.32	868.98	860.23	859.01	893.23	886.01	886.59	890.64	897.95	903.09
γ 13.0	909.19	895.97	878.30	863.90	854.74	853.85	889.23	882.06	882.71	887.18	895.52	901.49
γ 14.0	906.38	892.72	873.80	858.39	849.03	848.54	884.97	877.76	878.48	883.49	892.71	899.78
γ 15.0	903.50	889.22	869.04	852.58	842.99	842.66	880.49	873.16	873.95	879.14	889.73	897.48
γ 16.0	900.34	885.49	864.02	846.62	836.66	836.87	875.88	868.41	869.18	874.70	886.13	894.86
γ 17.0	896.87	881.49	858.52	840.27	829.80	830.78	870.88	863.36	864.06	869.97	882.30	892.12
γ 18.0	893.11	877.26	852.84	833.48	823.04	824.28	865.74	857.93	858.56	864.94	878.26	889.14
γ 19.0	889.19	872.79	847.06	826.55	815.92	817.69	860.34	852.27	852.70	859.43	873.79	885.88
γ 20.0	884.97	868.01	840.77	819.36	808.33	810.83	854.75	846.56	846.91	853.60	869.21	882.40
γ 21.0	880.64	862.89	834.23	811.72	800.74	803.89	848.85	840.42	840.40	847.59	864.15	878.52
γ 22.0	876.09	857.80	827.59	803.93	792.80	796.52	842.90	834.15	833.73	841.07	858.89	874.38
γ 23.0	871.16	852.20	820.66	795.80	784.62	789.11	836.60	827.59	826.82	834.28	853.21	869.95
γ 24.0	866.07	846.47	813.38	787.44	775.99	781.38	830.01	820.74	819.54	827.36	847.27	865.40
γ 25.0	860.77	840.52	805.76	778.84	767.51	773.54	823.33	813.83	812.01	819.98	841.17	860.57
γ 26.0	855.23	834.40	798.03	769.93	758.52	765.35	816.57	806.53	804.21	812.34	834.67	855.54
γ 27.0	849.34	827.94	789.91	760.90	749.38	757.01	809.53	799.04	796.25	804.50	828.13	850.19
γ 28.0	843.59	821.40	781.78	751.35	740.16	748.69	802.20	791.32	787.99	796.08	820.95	844.53
γ 29.0	837.40	814.47	773.33	741.82	730.64	739.96	794.72	783.52	779.38	787.55	813.45	838.67
γ 30.0	830.89	807.34	764.56	732.19	720.86	731.22	787.03	775.39	770.70	778.91	805.99	832.54
γ 31.0	824.20	800.11	755.74	722.19	710.86	722.40	779.18	767.19	761.47	769.83	798.18	826.29
γ 32.0	817.52	792.63	746.53	711.75	700.83	713.25	771.24	758.78	752.18	760.44	790.12	819.89
γ 33.0	810.48	784.94	737.22	701.22	690.28	703.96	763.19	750.07	742.59	750.99	781.88	812.93
γ 34.0	803.37	777.14	727.79	690.48	679.74	694.61	754.86	741.30	733.01	741.09	773.10	805.97
γ 35.0	795.95	768.88	717.88	679.64	669.20	685.01	746.30	732.36	723.04	731.06	764.27	798.66
γ 36.0	788.46	760.72	707.95	668.52	658.23	675.46	737.84	723.29	712.77	720.80	755.17	791.36
γ 37.0	780.84	752.32	697.83	657.36	647.29	665.69	729.10	713.97	702.43	710.27	745.79	783.66
γ 38.0	772.91	743.59	687.64	645.77	636.02	655.70	720.21	704.60	691.92	699.43	736.16	775.84
γ 39.0	764.80	734.85	676.98	633.92	624.62	645.59	711.07	694.93	681.07	688.37	726.70	767.89
γ 40.0	756.63	726.09	666.41	622.04	613.17	635.51	701.97	685.09	670.19	677.12	716.49	759.54
γ 41.0	748.22	716.93	655.59	610.16	601.41	625.37	692.58	675.08	658.92	665.64	706.39	751.04
γ 42.0	739.59	707.82	644.39	597.90	589.76	614.99	683.14	665.12	647.61	653.94	695.91	742.51
γ 43.0	731.15	698.44	633.34	585.52	577.89	604.64	673.61	655.01	636.06	642.18	685.30	733.88
γ 44.0	722.34	688.89	622.14	573.02	565.78	594.28	663.98	644.68	624.55	629.99	674.42	724.95

IES Indoor Report
Photometric Filename:T8-PRO-523-F-NW.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 45.0	713.48	679.25	610.61	560.23	553.75	583.58	654.28	634.56	612.72	617.80	663.55	715.92
γ 46.0	704.48	669.61	599.31	547.40	541.65	572.87	644.48	624.09	600.84	605.17	652.26	706.56
γ 47.0	695.40	659.79	587.53	534.48	529.40	562.32	634.47	613.36	588.67	592.48	640.90	697.05
γ 48.0	686.05	649.96	575.65	521.31	516.87	551.68	624.63	602.87	576.46	579.57	629.34	687.67
γ 49.0	676.54	639.93	563.72	508.00	504.21	540.96	614.44	592.34	564.05	566.61	617.66	678.10
γ 50.0	667.05	629.84	551.72	494.73	491.65	530.20	604.34	581.54	551.50	553.48	605.78	668.20
γ 51.0	657.41	619.51	539.54	481.15	479.00	519.34	594.23	570.65	539.13	540.13	593.86	658.23
γ 52.0	647.66	609.17	527.32	467.42	466.38	508.37	583.94	559.84	526.40	526.47	581.55	648.10
γ 53.0	638.08	598.92	514.99	453.62	453.70	497.58	573.73	548.91	513.73	512.69	569.35	638.00
γ 54.0	628.14	588.60	502.59	439.85	441.02	486.85	563.53	538.05	500.88	498.86	556.89	627.78
γ 55.0	618.14	578.05	490.08	425.80	428.19	475.92	553.07	527.17	487.97	484.80	544.39	617.57
γ 56.0	608.23	567.41	477.78	411.71	415.50	465.21	542.74	516.24	474.99	470.76	531.74	607.15
γ 57.0	598.24	556.98	465.24	397.38	402.76	454.41	532.43	505.18	462.08	456.36	519.00	596.66
γ 58.0	588.21	546.27	452.72	383.07	390.05	443.67	521.96	494.19	449.15	441.82	506.00	585.95
γ 59.0	577.95	535.61	440.28	368.57	377.37	432.98	511.50	483.27	436.07	427.24	493.13	575.45
γ 60.0	567.77	525.07	427.72	354.06	364.64	422.38	501.16	472.27	423.13	412.55	480.02	564.70
γ 61.0	557.62	514.42	415.20	339.64	352.09	411.83	490.55	461.44	409.91	397.70	466.92	554.01
γ 62.0	547.38	503.65	402.77	324.80	339.48	401.28	480.42	450.60	397.11	382.85	453.77	543.23
γ 63.0	537.09	492.82	390.25	309.98	326.91	390.75	470.16	439.77	384.06	367.65	440.56	532.50
γ 64.0	526.86	482.29	377.81	295.19	314.58	380.37	459.92	428.88	371.05	352.43	427.32	521.63
γ 65.0	516.56	471.64	365.33	280.47	302.27	370.08	449.57	418.23	358.26	337.04	414.25	510.64
γ 66.0	506.25	461.00	353.05	265.60	289.98	359.87	439.43	407.64	345.41	321.70	401.10	499.92
γ 67.0	496.01	450.48	340.89	250.73	277.89	349.84	429.26	397.11	332.63	306.29	387.73	489.08
γ 68.0	485.78	439.96	328.64	235.78	265.98	339.80	419.17	386.61	320.14	290.84	374.59	478.11
γ 69.0	475.52	429.30	316.72	220.72	254.12	329.80	409.27	376.24	307.58	275.22	361.57	467.45
γ 70.0	465.33	418.84	304.84	205.93	242.51	320.08	399.39	365.83	295.11	259.57	348.56	456.52
γ 71.0	455.24	408.66	293.00	191.19	231.20	310.35	389.45	355.62	283.05	243.89	335.44	445.75
γ 72.0	445.01	398.39	281.29	176.46	219.93	301.01	379.65	345.53	270.97	228.47	322.62	435.13
γ 73.0	435.06	388.16	269.95	161.94	209.12	291.71	370.11	335.66	259.10	212.80	309.79	424.56
γ 74.0	425.15	378.20	258.63	147.53	198.41	282.37	360.44	325.83	247.35	197.23	297.04	413.97
γ 75.0	415.17	368.07	247.43	133.14	187.98	273.28	351.01	316.20	235.95	181.79	284.60	403.39
γ 76.0	405.43	358.05	236.64	119.02	177.84	264.48	341.56	306.43	224.67	166.32	272.25	392.88
γ 77.0	395.68	348.31	226.22	105.21	168.04	255.60	332.37	297.08	213.71	151.02	260.11	382.46
γ 78.0	385.83	338.77	215.70	91.92	158.51	247.00	323.29	287.89	203.07	136.11	248.22	372.27
γ 79.0	376.26	329.06	205.65	78.94	149.27	238.67	314.15	278.58	192.60	121.43	236.35	362.16
γ 80.0	366.77	319.58	195.67	66.32	140.43	230.45	305.23	269.67	182.32	107.00	224.99	352.10
γ 81.0	357.32	310.27	186.21	54.44	131.85	222.21	296.49	260.97	172.72	92.97	213.81	342.12
γ 82.0	348.10	301.16	176.92	43.32	123.62	214.49	287.87	252.22	163.15	79.46	202.84	332.22
γ 83.0	338.82	292.04	167.98	33.32	115.99	206.66	279.41	243.55	153.87	66.31	192.31	322.52
γ 84.0	329.73	283.12	159.31	24.43	108.41	199.14	271.06	235.40	145.04	54.22	182.14	313.04
γ 85.0	320.77	274.45	151.00	16.79	101.31	191.77	262.72	227.27	136.49	42.94	172.07	303.63
γ 86.0	311.85	265.82	143.03	10.65	94.55	184.57	254.66	219.19	128.26	32.57	162.45	294.40
γ 87.0	303.09	257.40	135.31	5.39	88.17	177.45	246.85	211.44	120.55	23.56	153.36	285.34
γ 88.0	294.69	249.07	128.03	3.00	82.32	170.56	238.99	203.91	113.07	15.87	144.59	276.23
γ 89.0	286.04	240.99	121.03	2.89	76.60	164.15	231.38	196.32	105.93	10.04	136.11	267.34

IES Indoor Report
Photometric Filename:T8-PRO-523-F-NW.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 90.0	277.73	232.91	114.35	2.81	71.15	157.67	223.83	189.18	99.18	6.21	128.12	258.81
γ 91.0	269.53	225.20	108.02	2.95	66.41	151.46	216.60	182.19	92.84	4.16	120.40	250.36
γ 92.0	261.30	217.60	102.08	3.08	61.88	145.34	209.27	175.45	86.85	3.43	113.10	242.05
γ 93.0	253.42	210.02	96.45	3.14	57.56	139.40	202.36	168.73	81.28	3.33	106.37	233.83
γ 94.0	245.71	202.78	91.04	3.36	53.63	133.63	195.45	162.11	75.87	3.32	99.76	225.87
γ 95.0	237.91	195.60	85.93	3.40	49.94	128.22	188.68	155.88	70.86	3.27	93.78	218.02
γ 96.0	230.38	188.78	81.22	3.46	46.57	122.78	182.15	149.64	66.18	3.17	87.90	210.51
γ 97.0	223.02	181.98	76.63	3.55	43.45	117.59	175.66	143.69	61.80	3.18	82.61	203.03
γ 98.0	215.83	175.30	72.29	3.67	40.61	112.59	169.48	137.98	57.74	3.17	77.49	195.82
γ 99.0	208.60	168.83	68.37	3.80	37.96	107.76	163.41	132.29	54.00	3.26	72.82	188.75
γ 100.0	201.74	162.66	64.66	3.85	35.48	103.15	157.39	126.92	50.43	3.26	68.35	181.76
γ 101.0	194.99	156.49	61.14	3.98	33.27	98.66	151.63	121.62	47.30	3.37	64.18	175.10
γ 102.0	188.46	150.60	57.88	4.05	31.28	94.37	146.07	116.60	44.15	3.42	60.51	168.61
γ 103.0	181.87	144.86	54.93	4.20	29.43	90.19	140.47	111.60	41.33	3.46	56.73	162.12
γ 104.0	175.56	139.18	52.07	4.26	27.70	86.20	135.20	106.86	38.75	3.43	53.62	156.01
γ 105.0	169.32	133.92	49.28	4.29	26.16	82.39	130.09	102.36	36.42	3.56	50.53	150.06
γ 106.0	163.34	128.58	46.88	4.42	24.67	78.68	125.06	97.85	34.06	3.58	47.66	144.09
γ 107.0	157.42	123.41	44.62	4.51	23.31	74.99	120.00	93.59	32.07	3.57	45.13	138.59
γ 108.0	151.64	118.46	41.78	4.65	22.09	71.62	115.36	89.62	30.23	3.85	41.24	133.05
γ 109.0	145.93	113.79	36.90	4.78	20.95	68.38	110.68	85.68	28.42	3.80	38.19	127.73
γ 110.0	140.55	109.16	34.03	4.92	19.92	65.12	106.12	81.97	26.76	3.99	37.71	122.72
γ 111.0	135.20	104.42	34.31	5.07	18.84	60.30	101.85	78.16	25.40	4.01	35.57	117.80
γ 112.0	130.14	96.82	32.30	5.13	17.96	57.23	97.59	74.66	24.02	4.16	33.85	112.92
γ 113.0	125.06	92.01	30.72	5.27	17.11	54.33	93.47	71.22	22.65	4.11	32.20	108.16
γ 114.0	118.89	87.72	29.37	5.41	16.48	51.46	89.47	67.50	21.31	4.24	30.70	102.37
γ 115.0	111.77	83.61	28.38	5.39	15.92	49.35	85.72	62.86	20.19	4.38	29.17	96.36
γ 116.0	106.49	80.53	27.36	5.57	15.42	47.42	82.08	59.33	19.11	4.32	27.72	91.56
γ 117.0	101.71	77.90	26.38	5.63	14.82	44.81	77.67	56.32	18.10	4.33	26.33	87.36
γ 118.0	97.62	74.26	25.72	5.65	14.42	42.71	72.13	53.76	17.19	4.44	25.35	83.70
γ 119.0	94.25	70.52	25.01	5.83	13.99	40.63	68.48	51.66	16.56	4.57	24.33	80.83
γ 120.0	91.36	67.38	24.08	5.95	13.59	38.81	65.22	49.38	15.98	4.68	23.39	77.19
γ 121.0	87.66	64.49	23.23	5.94	13.05	37.49	62.36	46.80	15.37	4.69	22.55	73.43
γ 122.0	83.97	62.39	22.62	6.14	12.77	35.83	60.10	44.54	14.82	4.88	21.82	69.94
γ 123.0	80.39	59.90	21.88	6.12	12.31	34.19	57.96	42.40	14.31	4.89	21.12	65.98
γ 124.0	76.86	57.38	21.05	6.18	12.04	32.78	55.40	40.59	13.91	5.00	20.34	63.02
γ 125.0	74.17	55.03	20.12	6.36	11.80	31.36	52.85	39.12	13.44	5.17	19.76	60.74
γ 126.0	71.06	52.56	19.30	6.42	11.60	29.90	50.40	37.38	12.74	5.24	19.26	58.73
γ 127.0	68.00	50.40	18.67	6.49	11.30	28.70	48.07	35.72	12.44	5.26	18.62	56.19
γ 128.0	65.00	48.34	17.86	6.58	11.01	27.44	46.34	34.17	11.98	5.30	18.00	53.71
γ 129.0	62.18	46.15	16.97	6.61	10.91	26.28	44.20	32.62	11.59	5.39	17.41	51.42
γ 130.0	59.42	44.16	16.32	6.70	10.73	25.20	42.11	31.21	11.42	5.57	16.74	49.35
γ 131.0	56.74	42.38	15.76	6.82	10.45	24.28	40.28	29.70	11.07	5.64	16.10	47.02
γ 132.0	54.23	39.76	15.17	6.89	10.39	23.25	38.39	28.55	10.76	5.79	15.63	45.00
γ 133.0	51.78	37.53	14.86	7.05	10.23	22.29	36.49	27.29	10.50	5.80	15.20	43.12
γ 134.0	49.50	35.27	14.56	7.14	10.13	21.53	34.83	26.25	10.37	5.85	14.67	41.31

IES Indoor Report
Photometric Filename:T8-PRO-523-F-NW.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 135.0	47.35	32.72	13.98	7.18	10.07	20.70	33.25	25.18	10.19	5.91	14.23	39.29
γ 136.0	45.16	32.36	13.67	7.33	10.11	19.91	31.68	24.08	9.83	6.11	13.60	37.67
γ 137.0	42.99	31.78	13.30	7.34	9.98	18.85	30.33	23.11	9.72	6.10	13.27	36.54
γ 138.0	41.28	30.76	12.83	7.43	9.92	18.06	29.04	22.30	9.58	6.24	12.95	34.98
γ 139.0	39.29	28.81	12.59	7.51	9.74	17.31	27.72	21.37	9.41	6.22	12.65	33.59
γ 140.0	37.53	27.00	12.35	7.62	9.74	16.64	26.38	20.39	9.43	6.42	12.32	32.20
γ 141.0	35.92	25.30	12.11	7.70	9.64	16.14	25.18	19.38	9.30	6.44	12.15	30.74
γ 142.0	34.27	24.12	11.81	7.78	9.51	15.60	24.12	18.58	9.17	6.51	11.92	29.60
γ 143.0	32.63	22.85	11.64	7.76	9.52	15.10	23.06	17.71	9.20	6.49	11.83	28.34
γ 144.0	31.15	21.66	11.45	7.87	9.38	14.58	21.99	17.12	9.11	6.69	11.59	26.78
γ 145.0	29.59	20.04	11.20	7.90	9.43	14.18	20.75	16.40	9.09	6.73	11.44	25.30
γ 146.0	27.95	19.10	11.10	8.01	9.34	13.70	19.69	15.78	8.94	6.75	11.40	23.90
γ 147.0	26.56	18.40	10.94	8.08	9.32	13.22	18.78	15.20	8.92	6.89	11.20	22.60
γ 148.0	25.30	17.44	10.93	8.13	9.36	12.91	18.08	14.86	8.83	6.91	11.00	21.61
γ 149.0	24.16	16.59	10.90	8.29	9.13	12.53	17.31	14.36	8.75	7.06	10.81	20.65
γ 150.0	23.09	15.97	10.81	8.33	9.17	12.14	16.65	13.85	8.76	7.14	10.81	19.72
γ 151.0	22.10	15.54	10.88	8.37	9.05	11.80	16.06	13.52	8.80	7.24	10.67	18.87
γ 152.0	21.30	15.02	10.82	8.34	9.00	11.60	15.47	13.05	8.63	7.32	10.54	18.01
γ 153.0	20.40	14.78	10.74	8.40	9.08	11.31	14.91	12.65	8.66	7.39	10.52	17.31
γ 154.0	19.48	14.45	10.84	8.47	8.94	11.05	14.32	12.35	8.69	7.47	10.49	16.38
γ 155.0	18.62	14.08	10.80	8.64	8.94	10.80	13.89	12.02	8.60	7.54	10.37	15.88
γ 156.0	17.98	13.81	10.77	8.68	8.88	10.69	13.38	11.66	8.58	7.59	10.38	15.34
γ 157.0	17.37	13.55	10.73	8.72	8.88	10.40	12.95	11.44	8.57	7.68	10.36	15.05
γ 158.0	16.91	13.27	10.76	8.81	8.79	10.21	12.54	11.15	8.50	7.81	10.29	14.76
γ 159.0	16.13	13.03	10.66	8.78	8.76	10.15	12.25	10.88	8.47	7.84	10.35	14.26
γ 160.0	15.76	12.87	10.69	8.83	8.79	9.93	11.87	10.73	8.53	7.93	10.29	13.98
γ 161.0	15.29	12.62	10.62	8.87	8.77	9.67	11.60	10.58	8.49	7.93	10.35	13.71
γ 162.0	14.64	12.37	10.67	9.08	8.80	9.58	11.28	10.41	8.52	8.05	10.25	13.31
γ 163.0	14.35	12.15	10.60	9.07	8.80	9.47	10.86	10.11	8.54	8.15	10.19	13.08
γ 164.0	13.91	11.89	10.65	9.06	8.70	9.23	10.72	10.01	8.53	8.15	10.21	12.87
γ 165.0	13.46	11.58	10.62	9.14	8.71	9.18	10.57	9.81	8.47	8.32	10.21	12.41
γ 166.0	12.83	11.29	10.56	9.32	8.82	9.06	10.35	9.65	8.46	8.40	10.25	12.16
γ 167.0	12.13	11.05	10.43	9.23	8.91	9.01	10.16	9.46	8.58	8.56	10.11	11.98
γ 168.0	11.91	10.92	10.48	9.31	8.85	8.95	10.08	9.48	8.66	8.67	10.04	11.65
γ 169.0	11.67	10.72	10.37	9.40	8.96	8.86	9.87	9.26	8.62	8.74	10.02	11.31
γ 170.0	11.51	10.53	10.19	9.41	9.00	8.82	9.58	9.26	8.65	8.90	9.98	11.06
γ 171.0	11.35	10.55	10.17	9.43	8.97	8.79	9.47	9.14	8.68	8.89	9.97	10.86
γ 172.0	11.21	10.40	10.10	9.36	8.98	8.77	9.44	9.06	8.76	8.95	9.89	10.69
γ 173.0	11.15	10.25	10.19	9.43	8.92	8.84	9.33	9.02	8.73	9.00	9.89	10.55
γ 174.0	10.76	10.06	9.98	9.46	9.05	8.82	9.37	9.06	8.77	9.09	9.80	10.53
γ 175.0	10.49	10.06	9.97	9.48	9.00	8.84	9.34	9.00	8.86	9.11	9.76	10.36
γ 176.0	9.76	9.95	9.98	9.40	8.97	8.85	9.25	8.96	8.93	9.17	9.69	10.21
γ 177.0	9.66	9.82	9.81	9.42	8.88	8.89	9.38	9.04	8.92	9.28	9.56	9.96
γ 178.0	9.48	9.55	9.71	9.46	9.28	8.87	9.38	9.14	9.02	9.33	9.67	9.87
γ 179.0	9.40	9.22	9.27	9.44	9.53	9.46	9.43	9.15	9.07	9.43	9.70	9.81

IES Indoor Report
Photometric Filename:T8-PRO-523-F-NW.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 180.0	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38	9.38