

Indoor Luminaire Photometric Data

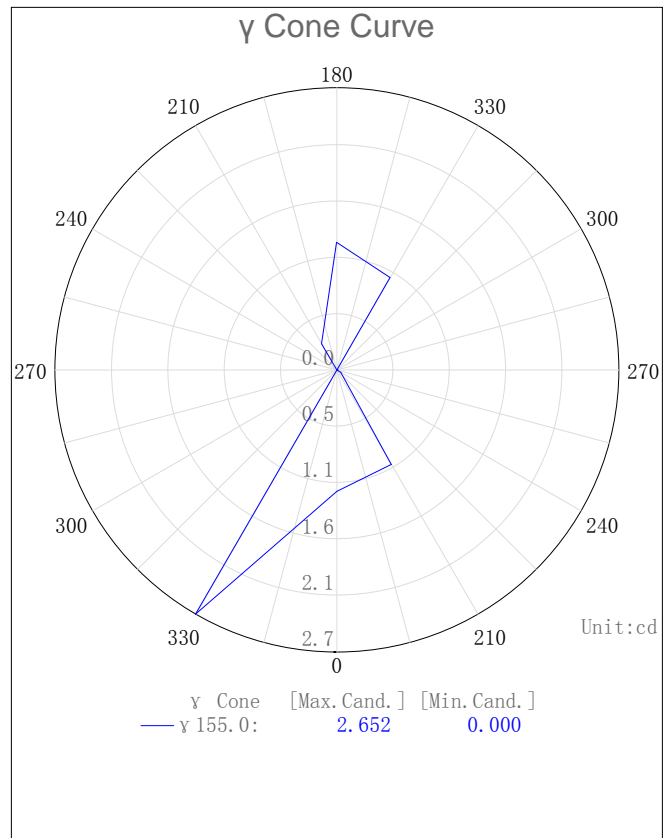
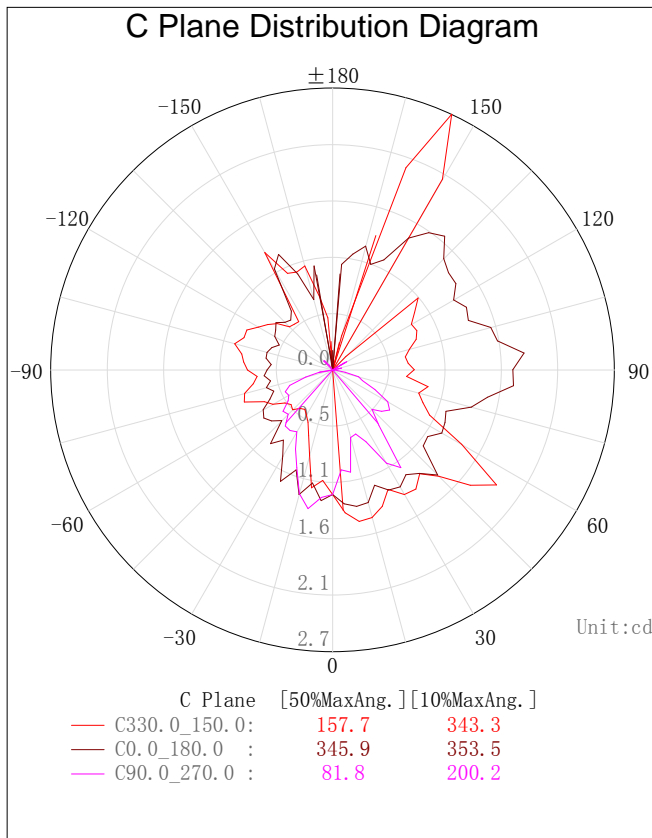
Description Information

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2015/07/11
Manufacture:	ShldAngle(°):	Test Machine:GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size (W*L*H):0.000m*0.000m*0.000m	Lum. Area(m2):0.000	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=5.0	Temp.(°C): 25
		Humidity(%): 50.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1500.000	Luminaire Flux: 8.686lm	Field Angle(10%Imax): 343.3	
Rated Power(W):	Luminaire Efficiency: 0.58%	Down Lumens&Percent: 4.876lm 56.14%	
Rated Voltage(V):	Luminaire EER(lm/W): 2.822	Up Lumens&Percent: 3.809lm 43.86%	
Tested Power(W): 3.078	Max. Cand. (cd): 2.652	S/MH: C0_a180=1.409 C90_270=0.762	
Lamps' Inside: 1	Max Cand@Ang. (°): C=330.0 γ=155.0	CIE Type: Semi-Indirect	
Tested Electric:U=11.9V, I=0.341A, PF=0.760	Beam Angle(50%Imax): 157.7	ErP φuse(120°): 2.603lm	
Lamp Size(W*L*H):0.000m*0.000m*0.000m	Left=4.4 Right=162.1	IRF: 121.014%	

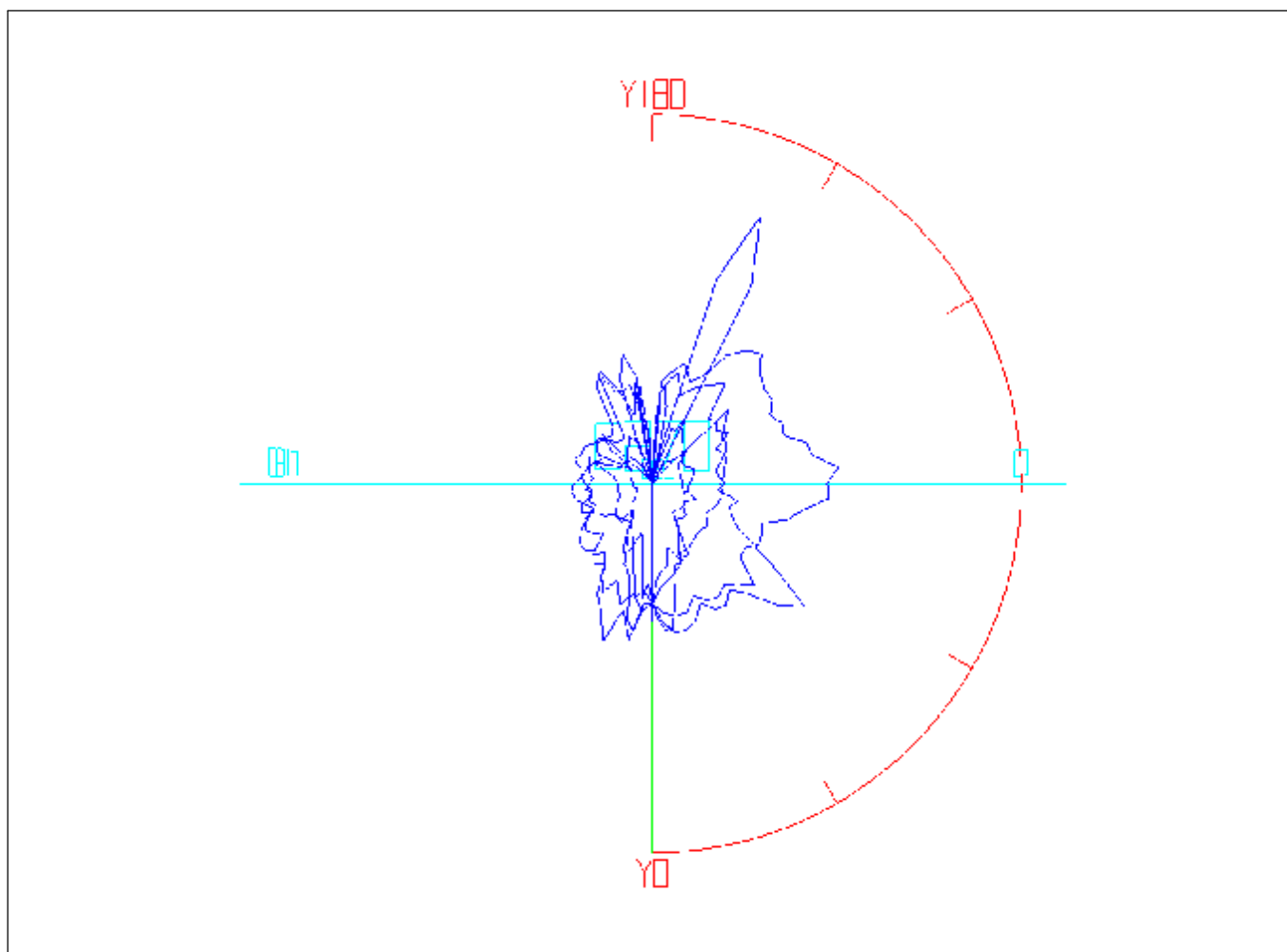
Lighting Distribution Diagram



3D Light Intensity Distribution Modal

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11

3D Light Intensity Distribution Modal



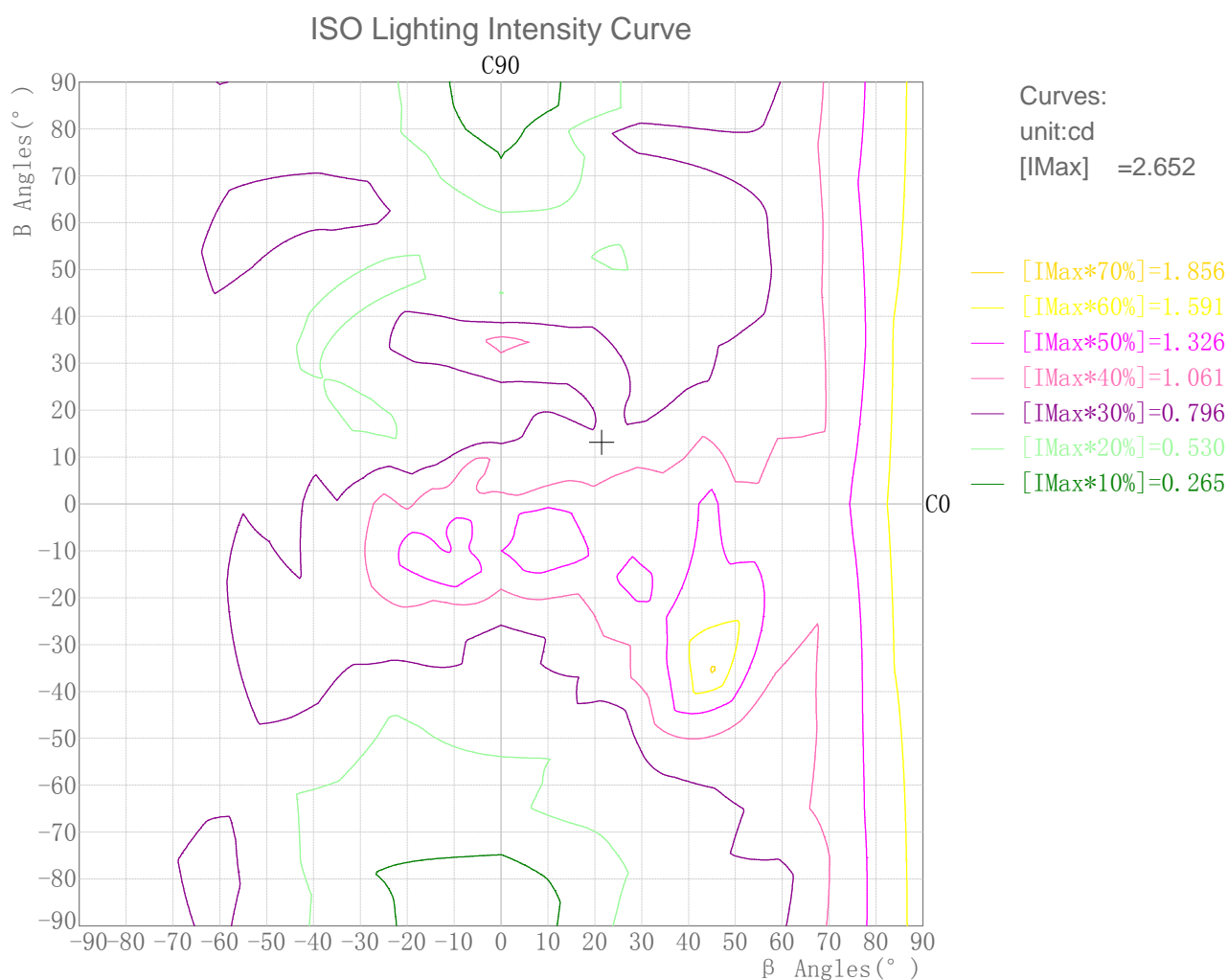
Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	0.03	0.03	0.00	0.00
5.0-10.0	0.08	0.11	0.01	0.01
10.0-15.0	0.14	0.25	0.01	0.02
15.0-20.0	0.17	0.42	0.01	0.03
20.0-25.0	0.20	0.63	0.01	0.04
25.0-30.0	0.23	0.86	0.02	0.06
30.0-35.0	0.27	1.13	0.02	0.08
35.0-40.0	0.29	1.42	0.02	0.09
40.0-45.0	0.31	1.73	0.02	0.12
45.0-50.0	0.32	2.05	0.02	0.14
50.0-55.0	0.33	2.39	0.02	0.16
55.0-60.0	0.35	2.74	0.02	0.18
60.0-65.0	0.35	3.09	0.02	0.21
65.0-70.0	0.35	3.44	0.02	0.23
70.0-75.0	0.35	3.80	0.02	0.25
75.0-80.0	0.36	4.16	0.02	0.28
80.0-85.0	0.36	4.52	0.02	0.30
85.0-90.0	0.36	4.88	0.02	0.33
90.0-95.0	0.36	5.24	0.02	0.35
95.0-100.0	0.37	5.62	0.02	0.37
100.0-105.0	0.36	5.98	0.02	0.40
105.0-110.0	0.33	6.31	0.02	0.42
110.0-115.0	0.32	6.63	0.02	0.44
115.0-120.0	0.30	6.93	0.02	0.46
120.0-125.0	0.28	7.21	0.02	0.48
125.0-130.0	0.26	7.47	0.02	0.50
130.0-135.0	0.22	7.69	0.01	0.51
135.0-140.0	0.17	7.86	0.01	0.52
140.0-145.0	0.15	8.01	0.01	0.53
145.0-150.0	0.16	8.17	0.01	0.54
150.0-155.0	0.16	8.33	0.01	0.56
155.0-160.0	0.14	8.47	0.01	0.56
160.0-165.0	0.11	8.59	0.01	0.57
165.0-170.0	0.07	8.65	0.00	0.58
170.0-175.0	0.03	8.68	0.00	0.58
175.0-180.0	0.00	8.69	0.00	0.58

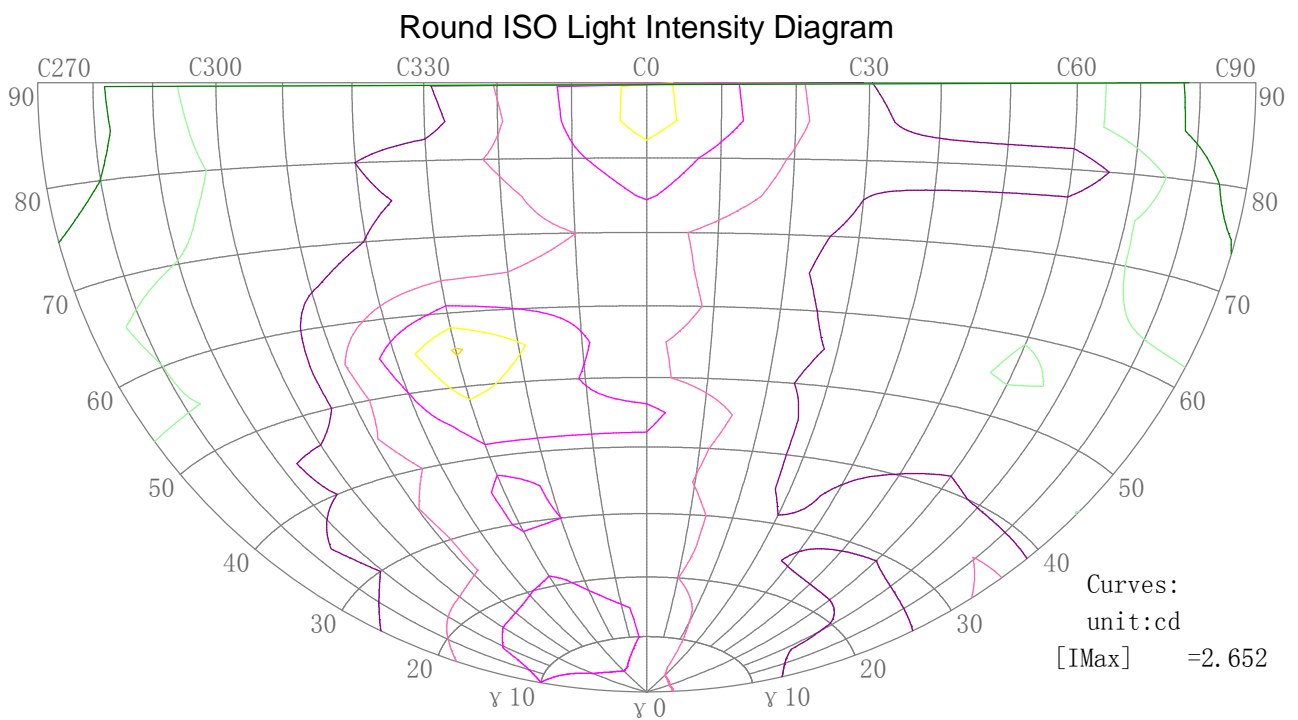
Rectangle ISO Lighting Intensity Diagram

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11



Round ISO Lighting Intensity Diagram

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11



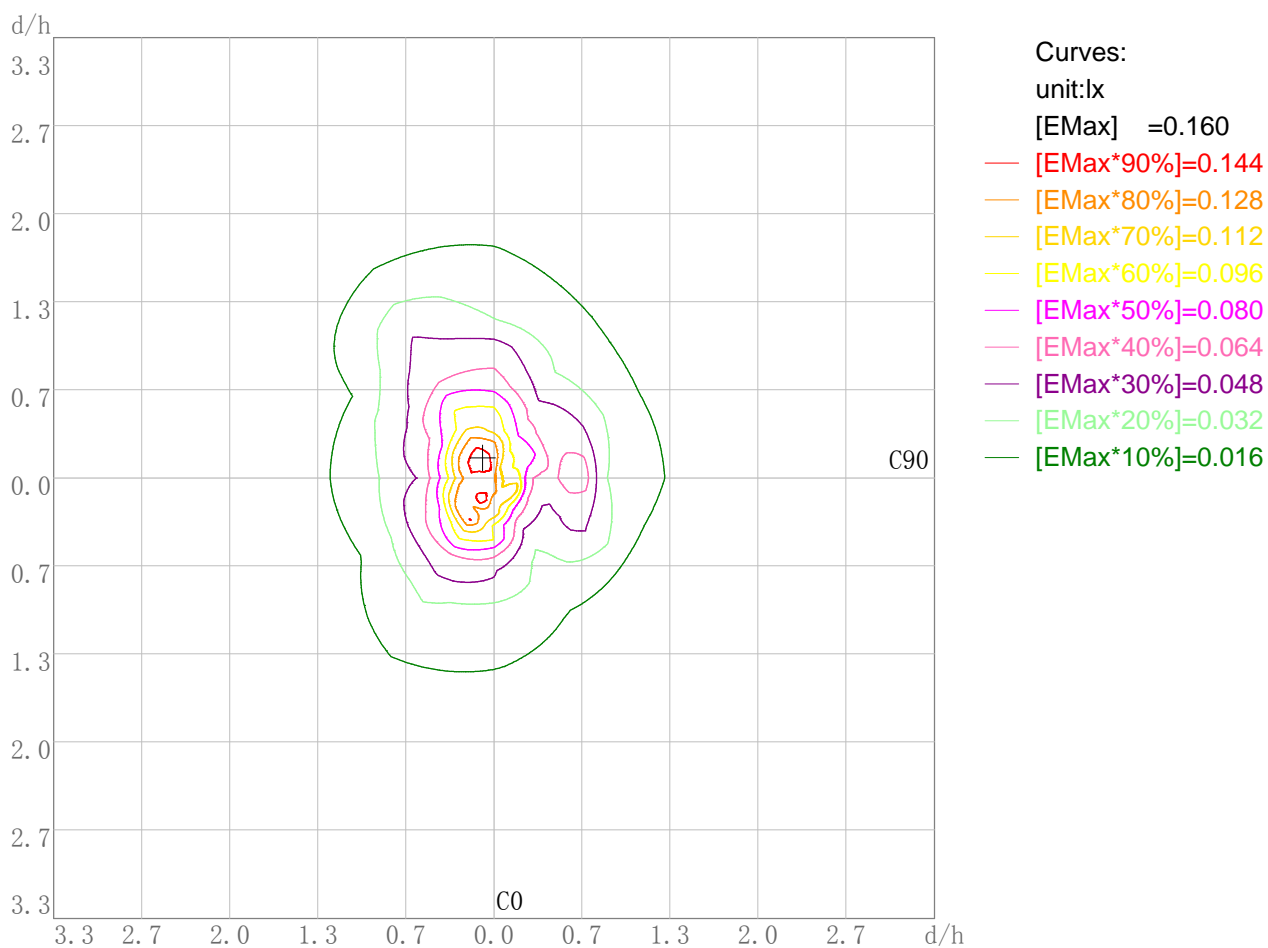
Maximum Lighting Intensity(cd): 2.65
 Maximum Cand.@Angle: H=330.0°, V=155.0°

- [IMax*70%]=1.856
- [IMax*60%]=1.591
- [IMax*50%]=1.326
- [IMax*40%]=1.061
- [IMax*30%]=0.796
- [IMax*20%]=0.530
- [IMax*10%]=0.265

Plane ISO-Illuminance Diagram

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11

Plane ISO-Illuminance Curve

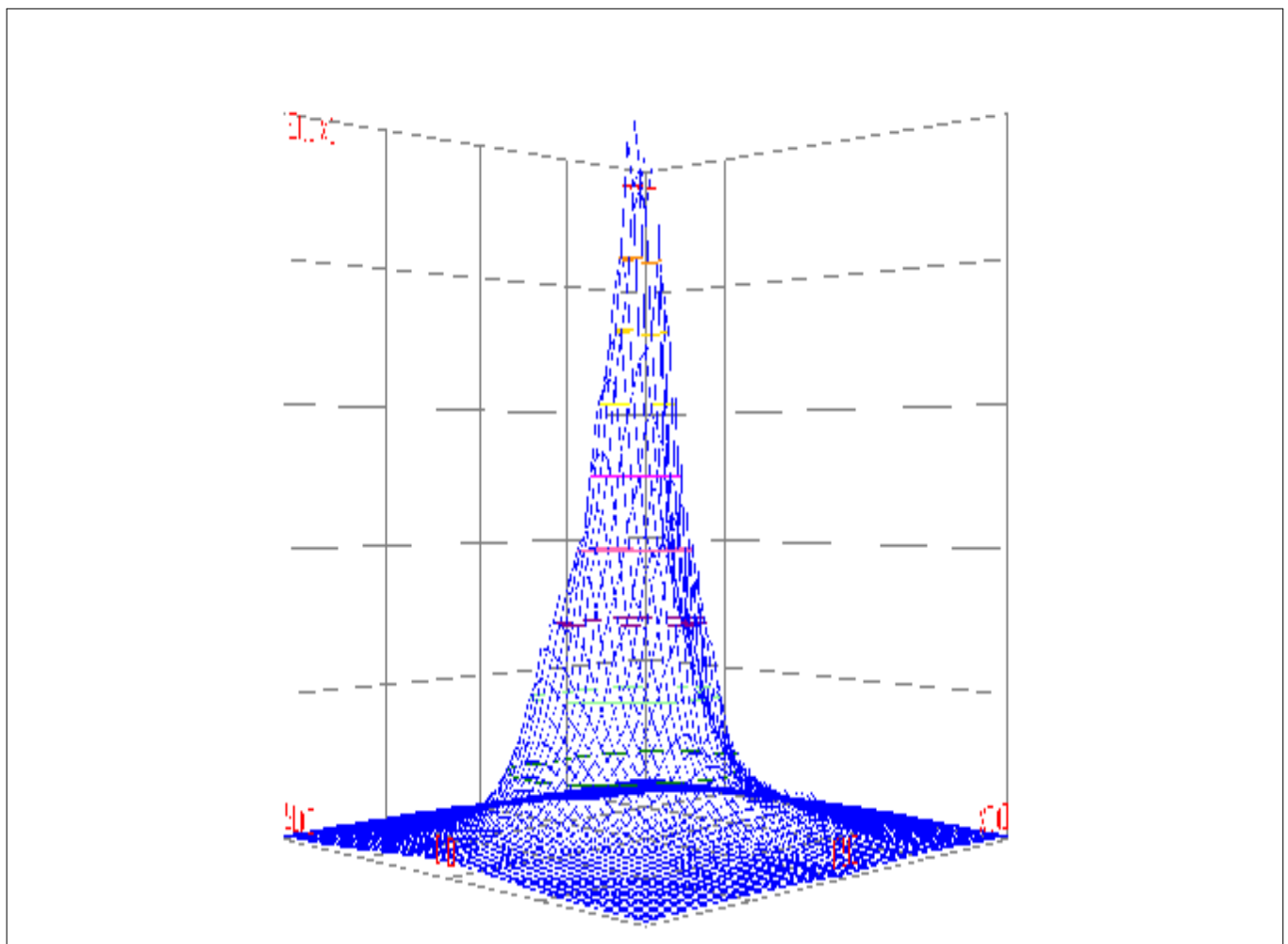


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 0.16
 Working Plane Maximum Illuminance Position(d/h):H-0.1 V-0.2

3D Plane ISO Illuminance Diagram

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11

3D Plane Illuminance Modal

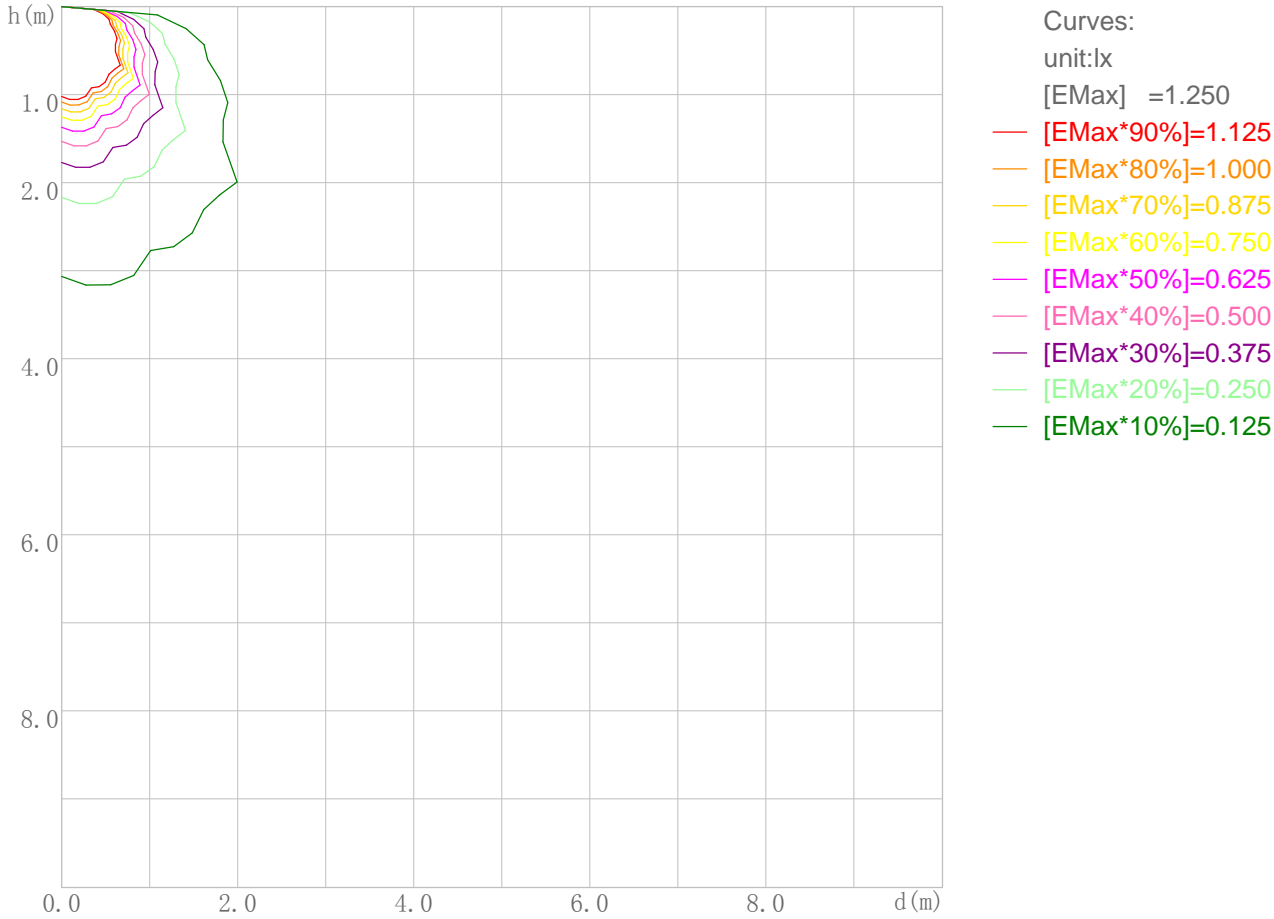


Curves: 3D Model— 90%— 80%— 70%— 60%— 50%— 40%— 30%— 20%— 10%—
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11

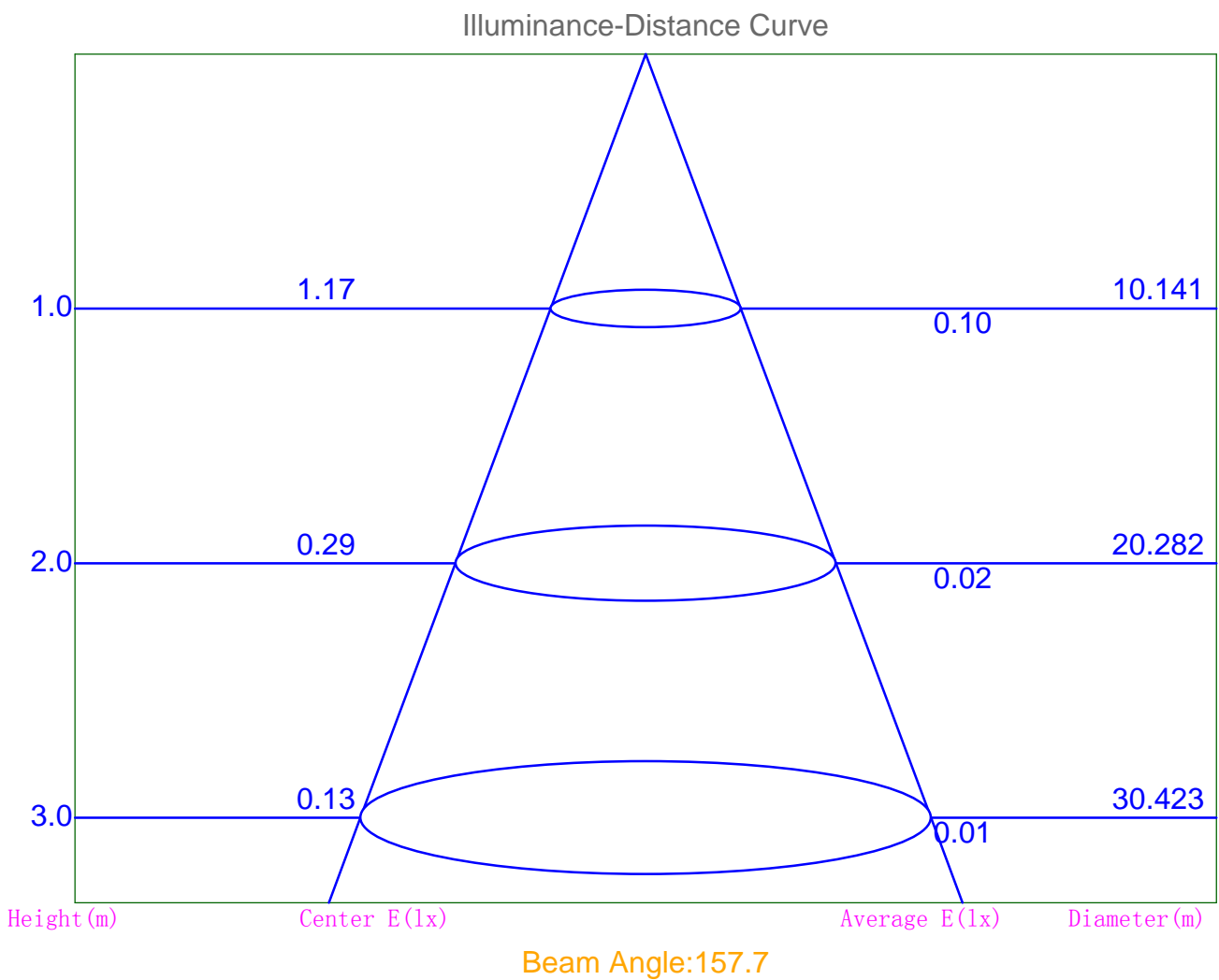
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1.25,5.0deg
 Plane Maximum Lighting Intensity and @Angle:1.710cd,0deg

Illuminance-Distance Diagram

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11



Indoor Luminance Limiting Curves

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11

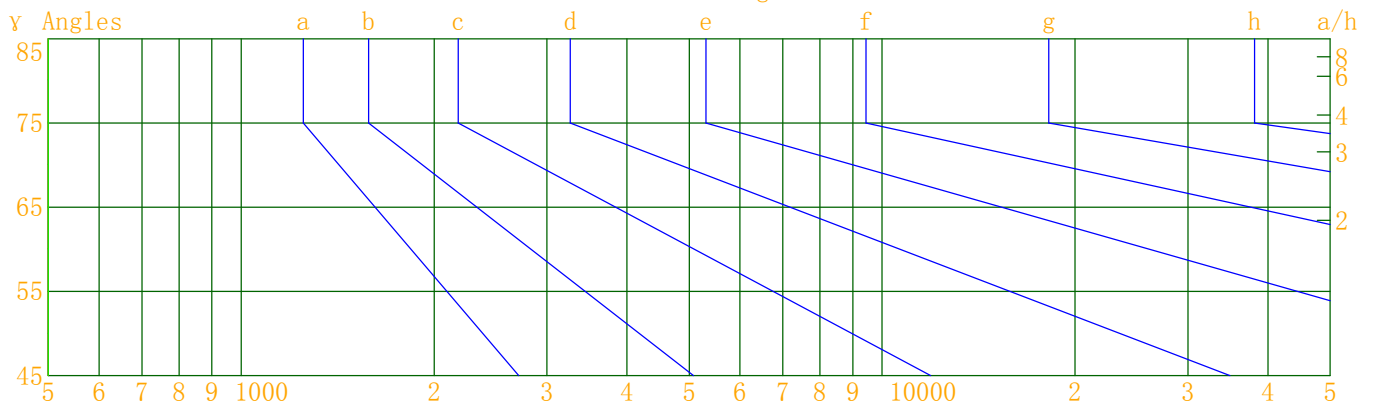
Glare Grade Table

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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

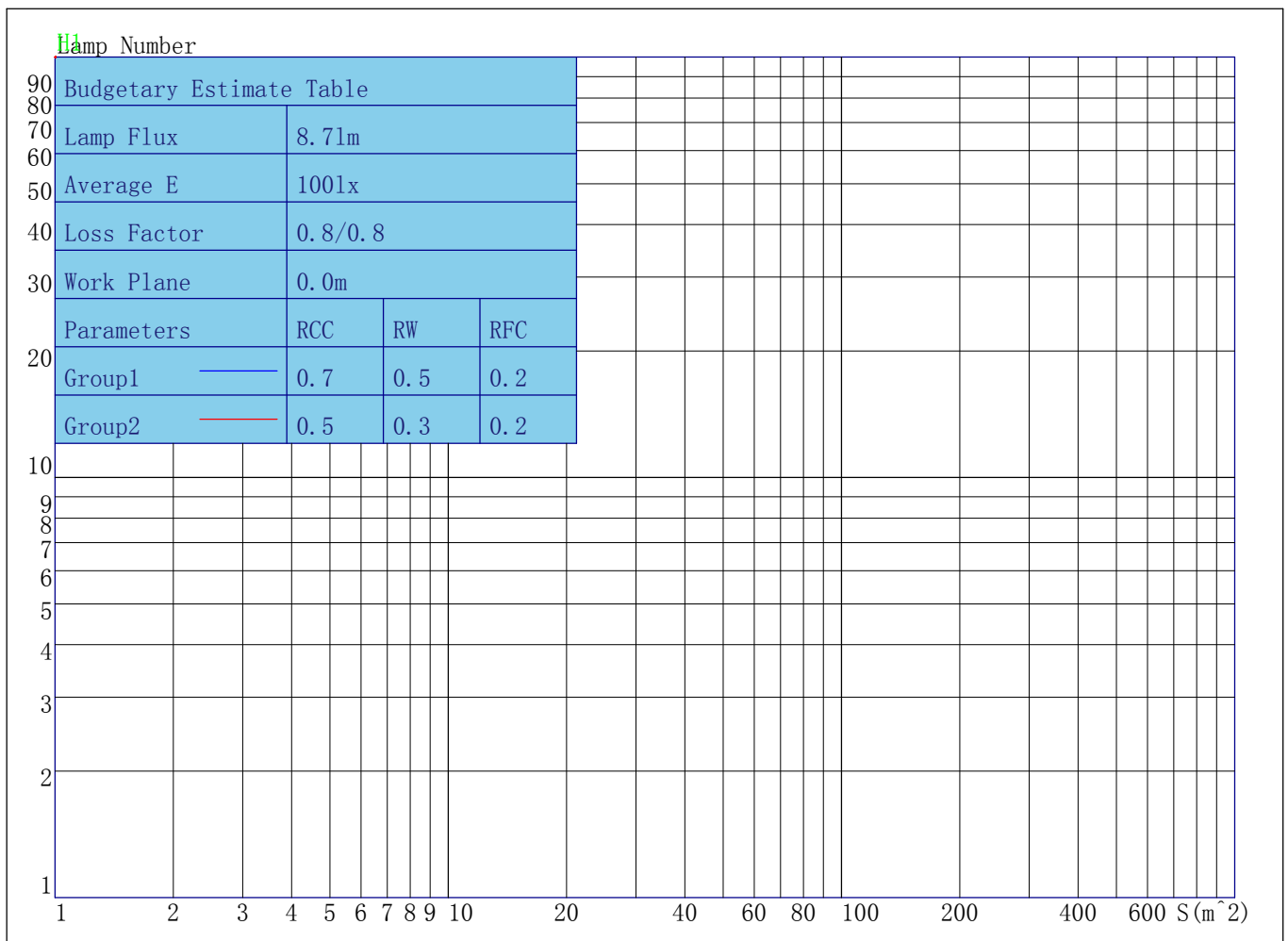
Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m^2)=0.000000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11



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: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11

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	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Unified Glare Rating Table

Lum. Name: ISV1801L-3	Lum. Catalog:	Test ID:
Lamp Name: ISV1801L-3	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2015/07/11

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	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=3H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=4H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=6H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=8H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=12H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
X=4H	Y=2H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=3H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=4H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=6H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=8H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=12H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
X=8H	Y=4H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=6H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=8H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=12H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
X=12H	Y=4H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=6H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
	Y=8H	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$	-1. \$
Variations with the objver position at spacings										
	S=1.0H			-1. \$/-1. \$				-1. \$/-1. \$		
	S=1.5H			-1. \$/-1. \$				-1. \$/-1. \$		
	S=2.0H			-1. \$/-1. \$				-1. \$/-1. \$		

IES Indoor Report
Photometric Filename:ISV1801L-3.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
Y 0.0	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17
Y 5.0	1.26	1.01	0.94	0.94	0.99	1.04	1.23	1.17	1.19	1.21	1.31	1.35
Y 10.0	1.30	0.97	0.89	0.98	1.16	1.13	1.08	1.51	1.24	1.33	1.40	1.45
Y 15.0	1.29	0.93	0.89	0.66	0.70	0.84	1.22	1.24	1.43	1.21	1.40	1.44
Y 20.0	1.16	0.88	0.86	0.64	0.56	0.66	1.00	1.57	1.34	0.98	1.21	1.37
Y 25.0	1.25	0.82	0.71	0.75	0.55	0.54	1.16	1.33	0.99	0.82	0.94	1.24
Y 30.0	1.27	0.81	0.82	1.01	0.67	0.49	0.94	1.19	0.92	0.67	0.86	1.35
Y 35.0	1.21	0.75	0.95	1.12	0.84	0.45	0.81	0.91	0.90	0.70	0.90	1.37
Y 40.0	1.27	0.74	0.83	0.68	0.93	0.47	0.90	0.98	0.72	0.69	0.81	1.27
Y 45.0	1.40	0.72	0.74	0.53	0.80	0.53	0.67	0.89	0.67	0.59	0.86	1.42
Y 50.0	1.11	0.72	0.68	0.61	0.50	0.51	0.75	0.96	0.50	0.61	0.59	1.69
Y 55.0	1.09	0.77	0.50	0.66	0.48	0.55	0.79	0.95	0.48	0.51	0.56	1.88
Y 60.0	1.19	0.73	0.54	0.60	0.71	0.65	0.75	0.88	0.45	0.48	0.64	1.40
Y 65.0	1.17	0.69	0.62	0.44	0.85	0.71	0.65	0.80	0.42	0.49	0.67	1.01
Y 70.0	1.14	0.74	0.68	0.30	0.81	0.88	0.59	0.67	0.34	0.43	0.59	0.90
Y 75.0	1.35	0.80	0.70	0.25	0.76	0.86	0.64	0.75	0.31	0.26	0.59	0.84
Y 80.0	1.48	0.82	0.96	0.12	0.69	0.76	0.59	0.83	0.28	0.12	0.57	0.91
Y 85.0	1.71	0.82	0.62	0.02	0.74	0.71	0.64	0.87	0.35	0.00	0.63	0.70
Y 90.0	1.70	0.80	0.62	0.00	0.72	0.80	0.62	0.83	0.36	0.00	0.67	0.77
Y 95.0	1.81	0.84	0.59	0.00	0.82	0.84	0.58	0.77	0.40	0.00	0.73	0.72
Y 100.0	1.58	0.85	0.57	0.09	1.33	0.87	0.63	0.71	0.39	0.00	0.75	0.69
Y 105.0	1.54	0.91	0.56	0.00	0.65	0.95	0.64	0.70	0.40	0.00	0.61	0.75
Y 110.0	1.36	0.89	0.55	0.00	0.64	0.89	0.61	0.72	0.49	0.00	0.57	0.84
Y 115.0	1.39	0.82	0.77	0.00	0.58	0.89	0.55	0.61	0.50	0.00	0.59	0.88
Y 120.0	1.32	1.03	0.47	0.15	0.56	0.81	0.63	0.28	0.54	0.00	0.65	0.86
Y 125.0	1.42	0.93	0.40	0.00	0.40	0.75	0.65	0.55	0.56	0.00	0.67	0.94
Y 130.0	1.42	0.98	0.32	0.00	0.22	0.68	0.69	0.70	0.55	0.00	0.69	1.05
Y 135.0	1.48	0.92	0.11	0.00	0.03	0.57	0.63	0.06	0.63	0.12	0.83	0.17
Y 140.0	1.64	1.34	0.00	0.00	0.00	0.56	0.61	0.00	0.52	0.11	0.63	0.00
Y 145.0	1.58	1.22	0.09	0.00	0.10	0.55	0.67	0.00	0.55	0.05	0.64	0.00
Y 150.0	1.43	1.13	0.06	0.00	0.12	1.27	1.10	0.25	0.17	0.00	0.24	2.07
Y 155.0	1.14	1.03	0.04	0.00	0.00	1.00	1.20	0.28	0.00	0.00	0.00	2.65
Y 160.0	1.05	0.93	0.81	0.00	0.85	0.98	0.96	1.04	0.00	0.00	0.00	2.02
Y 165.0	1.20	1.13	1.01	0.00	1.00	1.01	0.68	1.27	0.00	0.00	0.00	0.33
Y 170.0	1.11	1.02	0.95	0.00	0.53	0.70	0.99	1.04	0.00	0.00	0.00	0.00
Y 175.0	1.00	0.88	0.56	0.00	0.00	0.49	0.07	0.00	0.00	0.00	0.00	0.00
Y 180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00