

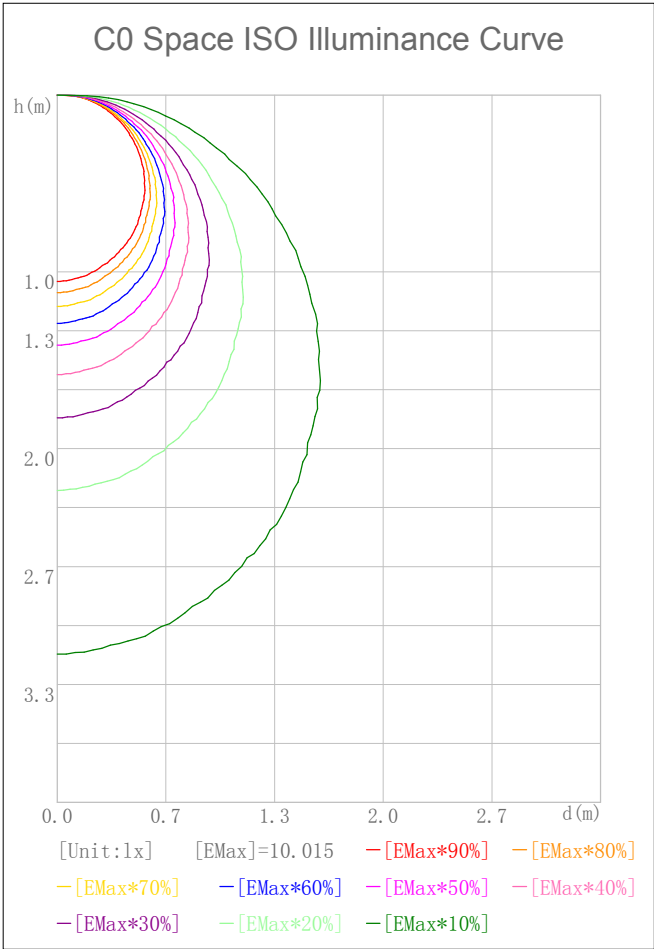
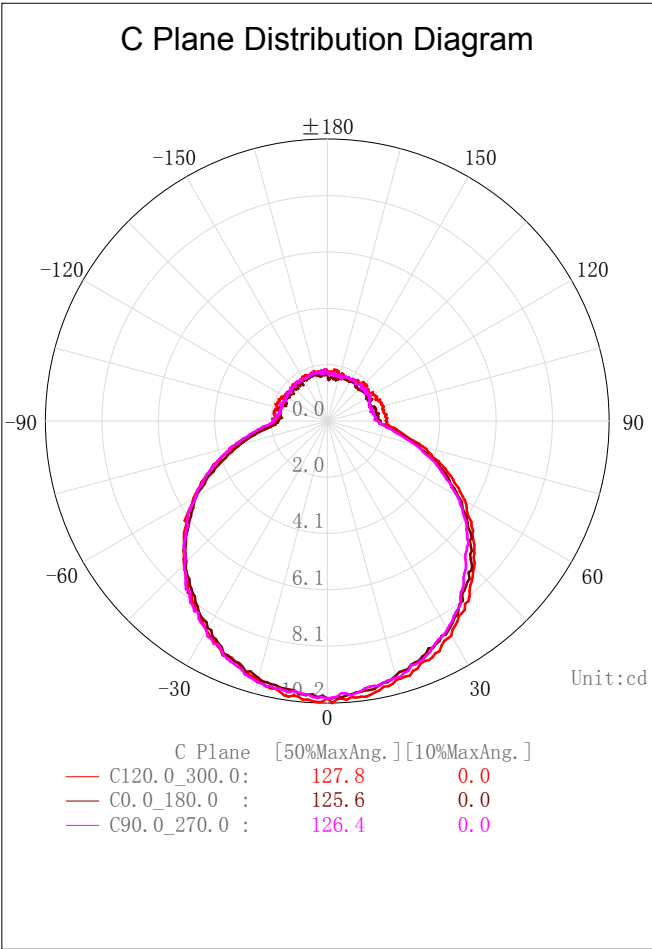
Indoor Luminaire Photometric Data

Description Information

Luminary Name: SP-001		Lum. Catalog:	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2016/11/30
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.080m*0.100m*0.040m		Lum. Area(m2):0.012	Lum. W(kg): 0.200
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity(%): 50.0

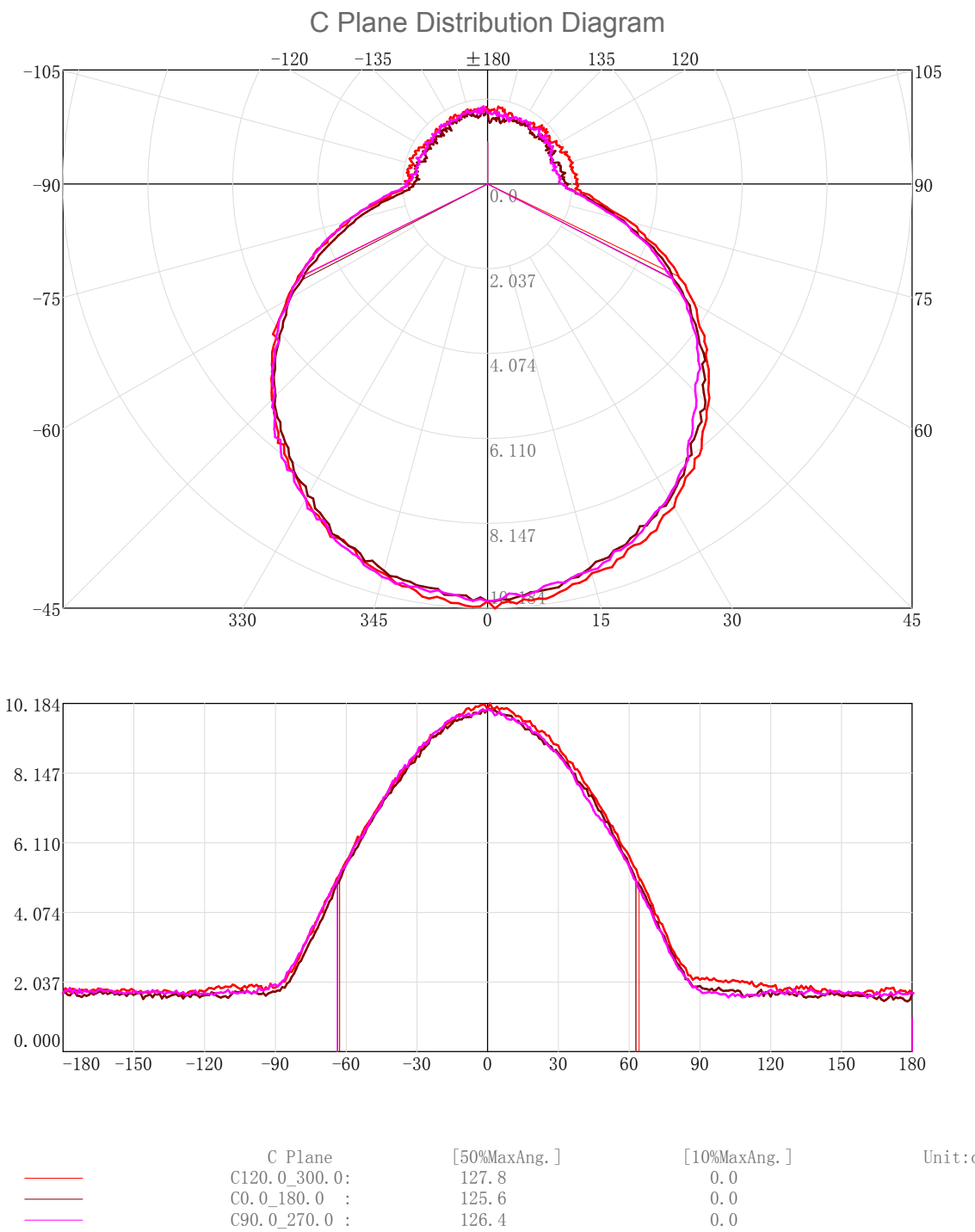
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 46.320	Luminary Flux(lm): 46.316	Field Angle(10%Imax): 360.0(°)	
Rated Power(W):	Luminary Efficiency: 99.99%	Down Lumens&Percent: 35.044lm 75.66%	
Rated Voltage(V):	Luminary EER(lm/W): 27.022	Up Lumens&Percent: 11.272lm 24.34%	
Tested Power(W): 1.714	Max. Candela(cd): 10.184	S/MH: C0_a180=1.289 C90_270=1.294	
Lamps' Inside: 1	Max Cand@Ang. (°): C=120.0 γ=1.0	CIE Type: General Diffuse	
Tested Electrics(V, A, pf):220.4, 0.016, 0.458	Beam Angle(50%Imax): 127.8(°)	ErP Φuse(120°): 24.235lm	
Lamp Size(W*L*H):0.080m*0.100m*0.040m	Left=-63.6°, Right=64.2°	IRF(%): 101.899	



2D Plane Light Intensity Distribution Curve

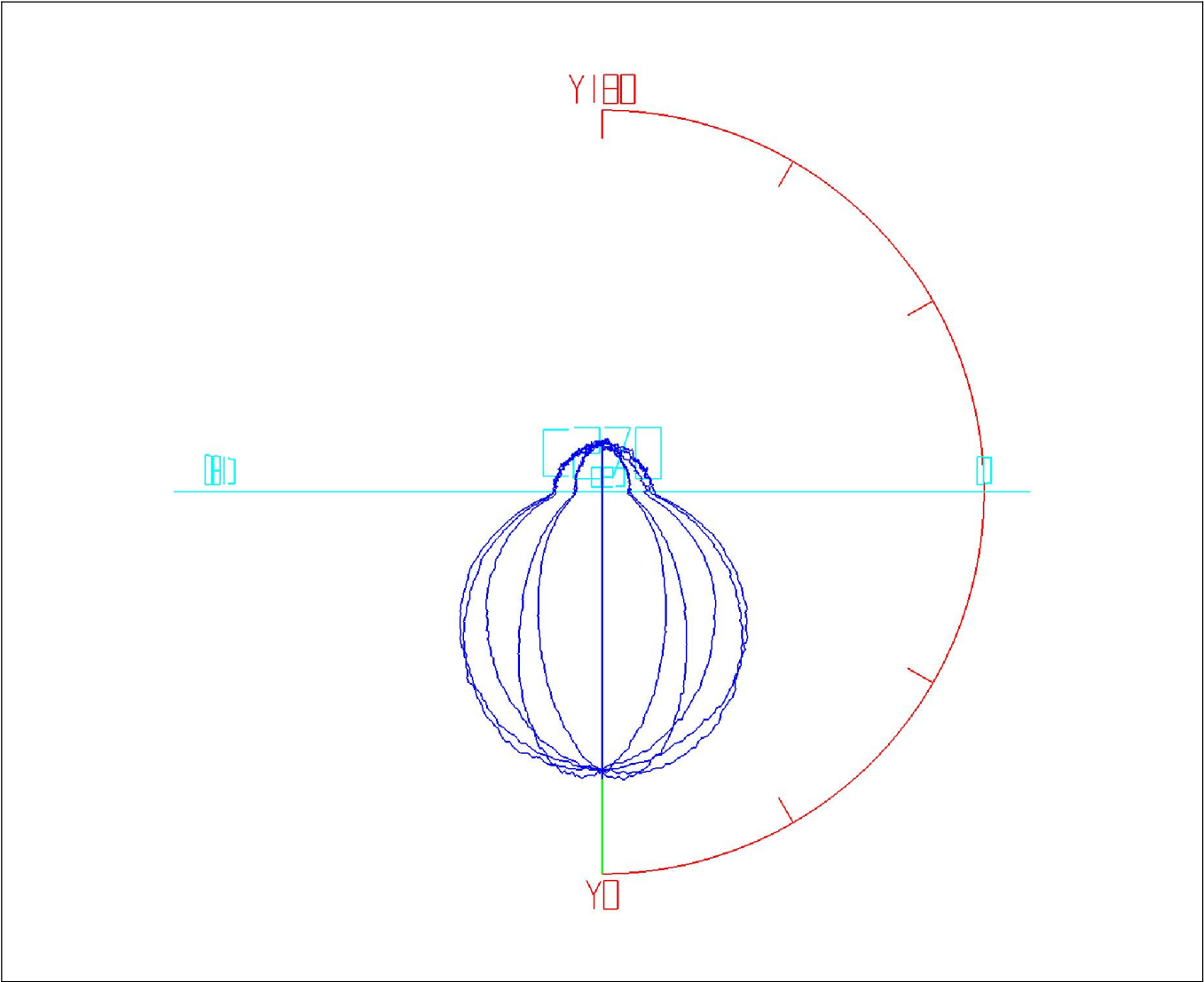
Lum. Name: SP-001	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30



3D Light Intensity Distribution Modal

Lum. Name: SP-001	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30

3D Light Intensity Distribution Modal



Curves:

View Angles:

3D Model

Orient:0

Fixture

Tilt:0

Vert. HUD

Roll:0

Hori. HUD

Spin:0

IES Indoor Report

Photometric Filename:SP-001.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	0.01	0.01	0.02	0.02	47.0-48.0	0.57	17.60	1.23	38.00
1.0-2.0	0.03	0.04	0.06	0.08	48.0-49.0	0.57	18.17	1.23	39.23
2.0-3.0	0.05	0.09	0.10	0.19	49.0-50.0	0.57	18.74	1.23	40.46
3.0-4.0	0.07	0.15	0.14	0.33	50.0-51.0	0.57	19.31	1.23	41.69
4.0-5.0	0.09	0.24	0.19	0.52	51.0-52.0	0.57	19.87	1.22	42.91
5.0-6.0	0.10	0.34	0.23	0.74	52.0-53.0	0.56	20.44	1.21	44.12
6.0-7.0	0.12	0.47	0.27	1.01	53.0-54.0	0.56	20.99	1.21	45.32
7.0-8.0	0.14	0.61	0.31	1.31	54.0-55.0	0.56	21.55	1.20	46.52
8.0-9.0	0.16	0.77	0.35	1.66	55.0-56.0	0.55	22.10	1.19	47.71
9.0-10.0	0.18	0.95	0.39	2.05	56.0-57.0	0.55	22.65	1.18	48.89
10.0-11.0	0.20	1.14	0.42	2.47	57.0-58.0	0.54	23.19	1.17	50.06
11.0-12.0	0.21	1.36	0.46	2.93	58.0-59.0	0.53	23.72	1.15	51.21
12.0-13.0	0.23	1.59	0.50	3.43	59.0-60.0	0.53	24.25	1.14	52.35
13.0-14.0	0.25	1.84	0.54	3.97	60.0-61.0	0.52	24.77	1.13	53.48
14.0-15.0	0.27	2.10	0.57	4.54	61.0-62.0	0.51	25.29	1.11	54.59
15.0-16.0	0.28	2.39	0.61	5.15	62.0-63.0	0.50	25.79	1.09	55.68
16.0-17.0	0.30	2.69	0.65	5.80	63.0-64.0	0.50	26.29	1.07	56.75
17.0-18.0	0.32	3.00	0.68	6.48	64.0-65.0	0.49	26.77	1.05	57.80
18.0-19.0	0.33	3.33	0.71	7.19	65.0-66.0	0.48	27.25	1.03	58.83
19.0-20.0	0.35	3.68	0.75	7.94	66.0-67.0	0.47	27.71	1.00	59.83
20.0-21.0	0.36	4.04	0.78	8.72	67.0-68.0	0.45	28.17	0.98	60.81
21.0-22.0	0.37	4.41	0.81	9.53	68.0-69.0	0.44	28.61	0.96	61.77
22.0-23.0	0.39	4.80	0.84	10.37	69.0-70.0	0.43	29.04	0.93	62.70
23.0-24.0	0.40	5.21	0.87	11.24	70.0-71.0	0.42	29.46	0.90	63.60
24.0-25.0	0.42	5.62	0.90	12.14	71.0-72.0	0.40	29.86	0.87	64.47
25.0-26.0	0.43	6.05	0.93	13.06	72.0-73.0	0.39	30.26	0.85	65.32
26.0-27.0	0.44	6.49	0.95	14.01	73.0-74.0	0.38	30.64	0.82	66.14
27.0-28.0	0.45	6.94	0.98	14.99	74.0-75.0	0.37	31.00	0.79	66.93
28.0-29.0	0.46	7.41	1.00	15.99	75.0-76.0	0.35	31.36	0.76	67.70
29.0-30.0	0.47	7.88	1.03	17.02	76.0-77.0	0.34	31.70	0.74	68.43
30.0-31.0	0.49	8.37	1.05	18.06	77.0-78.0	0.33	32.03	0.71	69.14
31.0-32.0	0.49	8.86	1.07	19.13	78.0-79.0	0.31	32.34	0.68	69.81
32.0-33.0	0.50	9.36	1.09	20.22	79.0-80.0	0.30	32.64	0.65	70.46
33.0-34.0	0.51	9.88	1.10	21.32	80.0-81.0	0.29	32.92	0.62	71.08
34.0-35.0	0.52	10.39	1.12	22.44	81.0-82.0	0.27	33.20	0.59	71.67
35.0-36.0	0.53	10.92	1.14	23.58	82.0-83.0	0.26	33.46	0.57	72.24
36.0-37.0	0.53	11.46	1.15	24.73	83.0-84.0	0.25	33.71	0.54	72.78
37.0-38.0	0.54	12.00	1.17	25.90	84.0-85.0	0.24	33.95	0.52	73.30
38.0-39.0	0.55	12.54	1.18	27.08	85.0-86.0	0.23	34.19	0.50	73.80
39.0-40.0	0.55	13.09	1.19	28.26	86.0-87.0	0.22	34.41	0.48	74.28
40.0-41.0	0.55	13.65	1.20	29.46	87.0-88.0	0.22	34.62	0.47	74.75
41.0-42.0	0.56	14.21	1.21	30.67	88.0-89.0	0.21	34.83	0.46	75.20
42.0-43.0	0.56	14.77	1.21	31.88	89.0-90.0	0.21	35.04	0.45	75.66
43.0-44.0	0.56	15.33	1.22	33.10	90.0-91.0	0.21	35.25	0.45	76.11
44.0-45.0	0.57	15.90	1.22	34.33	91.0-92.0	0.21	35.46	0.45	76.56
45.0-46.0	0.57	16.47	1.22	35.55	92.0-93.0	0.21	35.67	0.45	77.01
46.0-47.0	0.57	17.03	1.23	36.78	93.0-94.0	0.21	35.88	0.45	77.46

IES Indoor Report

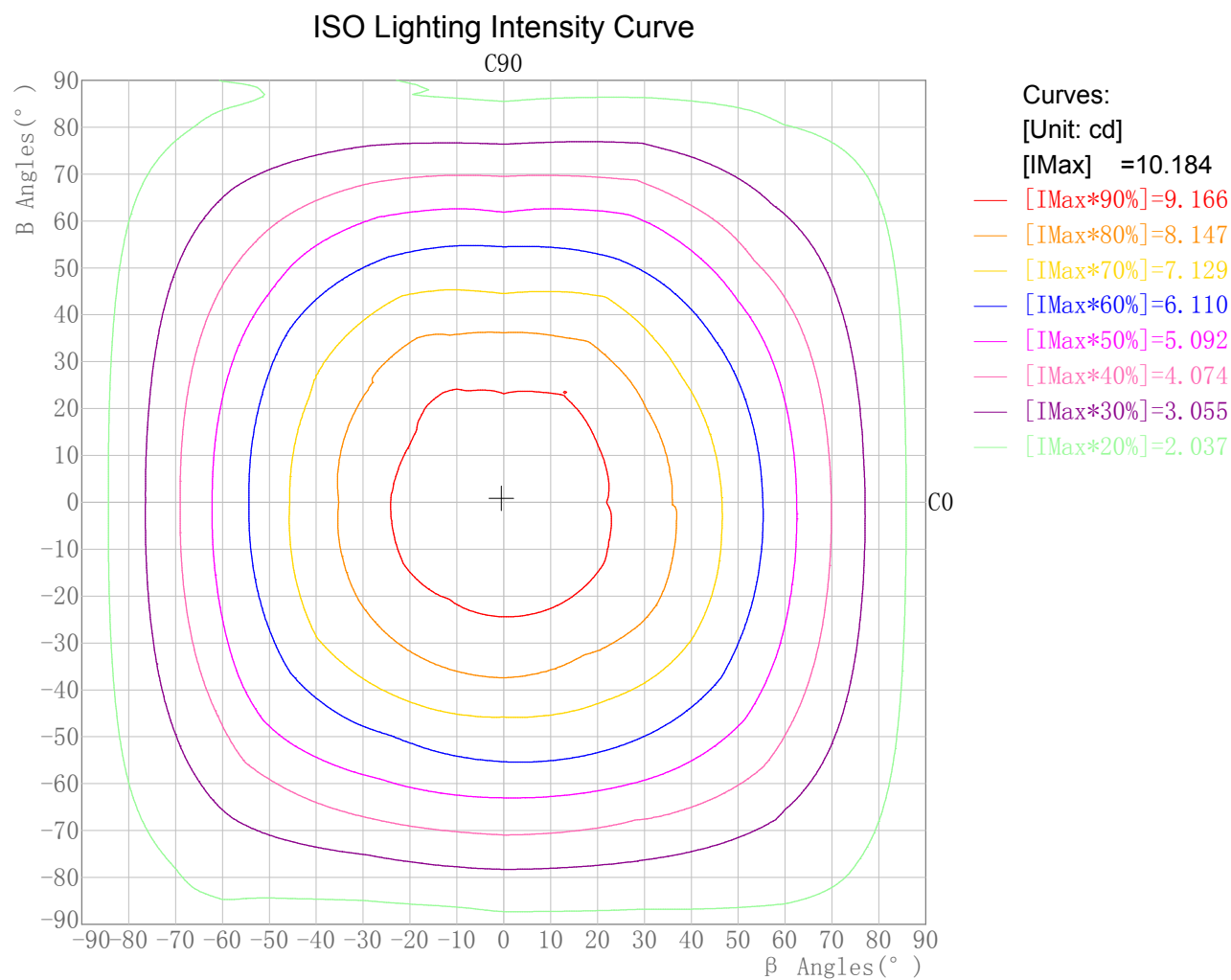
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Zonal Flux Tabulation - (Cont.)

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	0.20	36.08	0.44	77.90	141.0-142.0	0.12	44.04	0.25	95.07
95.0-96.0	0.20	36.29	0.44	78.34	142.0-143.0	0.11	44.15	0.25	95.32
96.0-97.0	0.21	36.49	0.44	78.78	143.0-144.0	0.11	44.26	0.24	95.56
97.0-98.0	0.21	36.70	0.44	79.23	144.0-145.0	0.11	44.37	0.24	95.80
98.0-99.0	0.20	36.90	0.44	79.67	145.0-146.0	0.11	44.48	0.23	96.03
99.0-100.0	0.20	37.11	0.44	80.11	146.0-147.0	0.10	44.58	0.22	96.25
100.0-101.0	0.20	37.31	0.44	80.54	147.0-148.0	0.10	44.68	0.22	96.47
101.0-102.0	0.20	37.51	0.43	80.98	148.0-149.0	0.10	44.78	0.21	96.68
102.0-103.0	0.20	37.71	0.43	81.41	149.0-150.0	0.09	44.88	0.20	96.88
103.0-104.0	0.20	37.91	0.43	81.84	150.0-151.0	0.09	44.97	0.20	97.08
104.0-105.0	0.20	38.11	0.43	82.27	151.0-152.0	0.09	45.06	0.19	97.27
105.0-106.0	0.20	38.31	0.43	82.70	152.0-153.0	0.09	45.14	0.19	97.46
106.0-107.0	0.20	38.50	0.42	83.12	153.0-154.0	0.08	45.23	0.18	97.64
107.0-108.0	0.19	38.70	0.42	83.54	154.0-155.0	0.08	45.31	0.17	97.81
108.0-109.0	0.19	38.89	0.41	83.95	155.0-156.0	0.08	45.38	0.17	97.98
109.0-110.0	0.19	39.08	0.41	84.36	156.0-157.0	0.07	45.46	0.16	98.14
110.0-111.0	0.19	39.26	0.40	84.77	157.0-158.0	0.07	45.53	0.15	98.29
111.0-112.0	0.19	39.45	0.40	85.17	158.0-159.0	0.07	45.60	0.15	98.44
112.0-113.0	0.18	39.63	0.40	85.56	159.0-160.0	0.07	45.66	0.14	98.58
113.0-114.0	0.18	39.82	0.39	85.96	160.0-161.0	0.06	45.73	0.14	98.72
114.0-115.0	0.18	40.00	0.39	86.35	161.0-162.0	0.06	45.79	0.13	98.85
115.0-116.0	0.18	40.18	0.39	86.74	162.0-163.0	0.06	45.84	0.12	98.97
116.0-117.0	0.18	40.35	0.38	87.12	163.0-164.0	0.05	45.90	0.12	99.09
117.0-118.0	0.18	40.53	0.38	87.50	164.0-165.0	0.05	45.95	0.11	99.20
118.0-119.0	0.17	40.70	0.37	87.87	165.0-166.0	0.05	46.00	0.10	99.30
119.0-120.0	0.17	40.87	0.37	88.24	166.0-167.0	0.04	46.04	0.09	99.39
120.0-121.0	0.17	41.04	0.36	88.61	167.0-168.0	0.04	46.08	0.09	99.48
121.0-122.0	0.17	41.21	0.36	88.96	168.0-169.0	0.04	46.12	0.08	99.56
122.0-123.0	0.16	41.37	0.35	89.32	169.0-170.0	0.03	46.15	0.07	99.64
123.0-124.0	0.16	41.53	0.35	89.67	170.0-171.0	0.03	46.18	0.07	99.70
124.0-125.0	0.16	41.69	0.35	90.01	171.0-172.0	0.03	46.21	0.06	99.76
125.0-126.0	0.16	41.85	0.34	90.35	172.0-173.0	0.02	46.24	0.05	99.82
126.0-127.0	0.15	42.01	0.33	90.68	173.0-174.0	0.02	46.26	0.05	99.86
127.0-128.0	0.15	42.16	0.33	91.01	174.0-175.0	0.02	46.27	0.04	99.90
128.0-129.0	0.15	42.30	0.32	91.33	175.0-176.0	0.01	46.29	0.03	99.93
129.0-130.0	0.15	42.45	0.32	91.65	176.0-177.0	0.01	46.30	0.02	99.96
130.0-131.0	0.15	42.60	0.31	91.96	177.0-178.0	0.01	46.31	0.02	99.98
131.0-132.0	0.14	42.74	0.31	92.27	178.0-179.0	0.00	46.31	0.01	99.99
132.0-133.0	0.14	42.88	0.30	92.57	179.0-180.0	0.00	46.32	0.00	99.99
133.0-134.0	0.14	43.02	0.30	92.87					
134.0-135.0	0.14	43.15	0.29	93.16					
135.0-136.0	0.13	43.29	0.29	93.45					
136.0-137.0	0.13	43.42	0.29	93.74					
137.0-138.0	0.13	43.55	0.28	94.02					
138.0-139.0	0.13	43.68	0.27	94.29					
139.0-140.0	0.12	43.80	0.27	94.56					
140.0-141.0	0.12	43.92	0.26	94.82					

Rectangle ISO Lighting Intensity Diagram

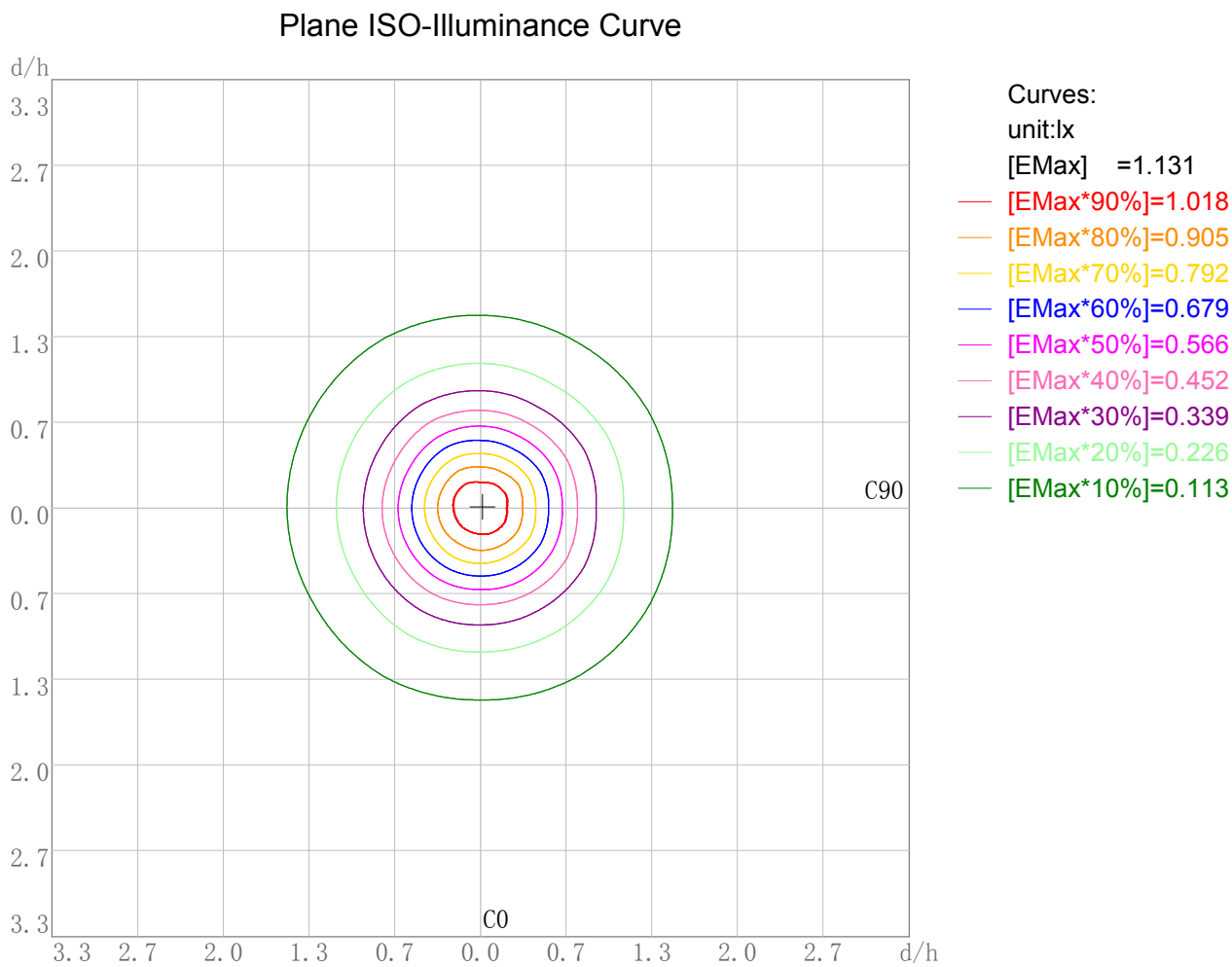
Lum. Name: SP-001	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30



Maximum Light Intensity(cd): 10.18
Maximum Cand.@Angle: H=-0.5°,V=0.9°

Plane ISO-Illuminance Diagram

Lum. Name: SP-001	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30

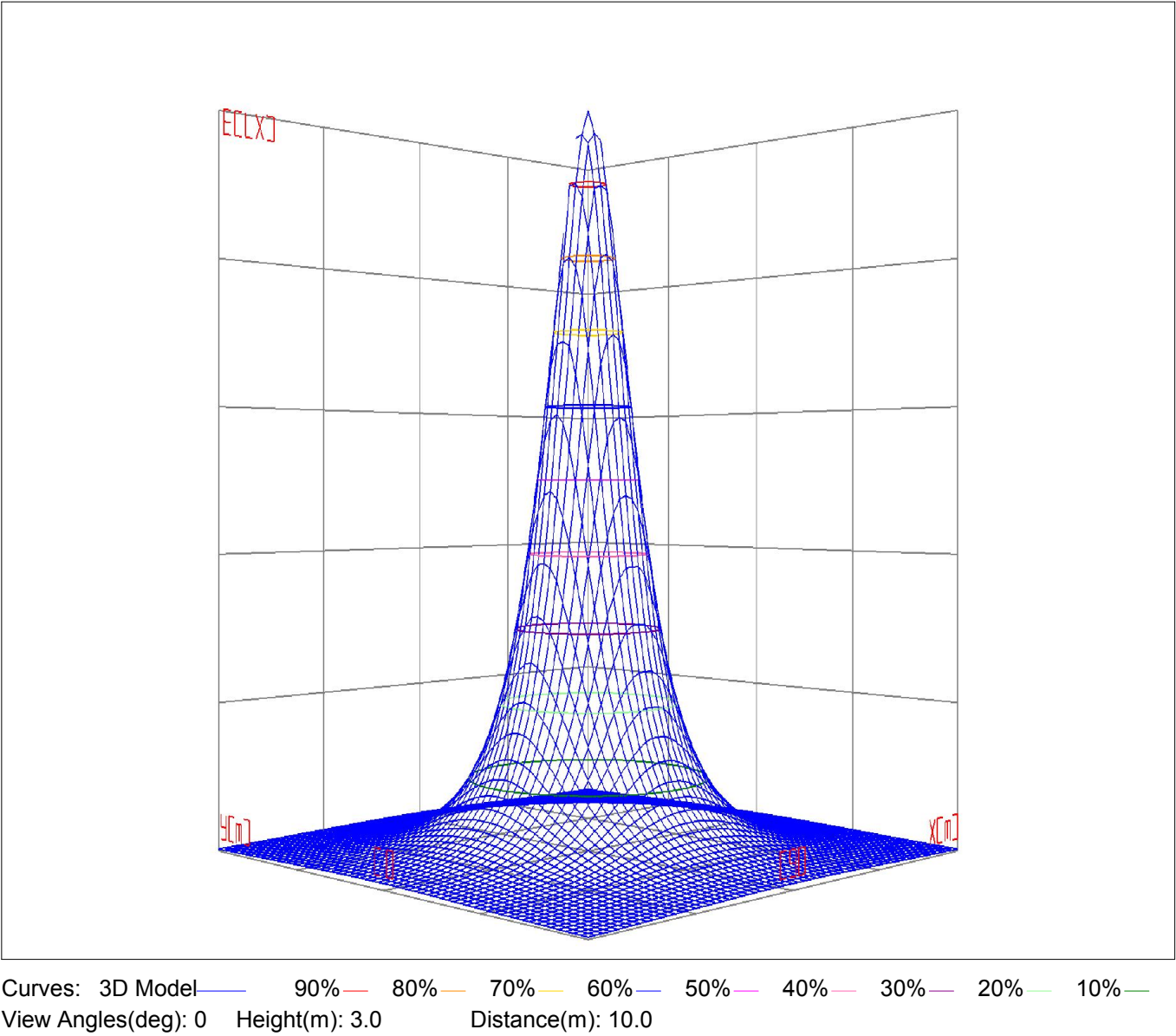


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 1.13
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

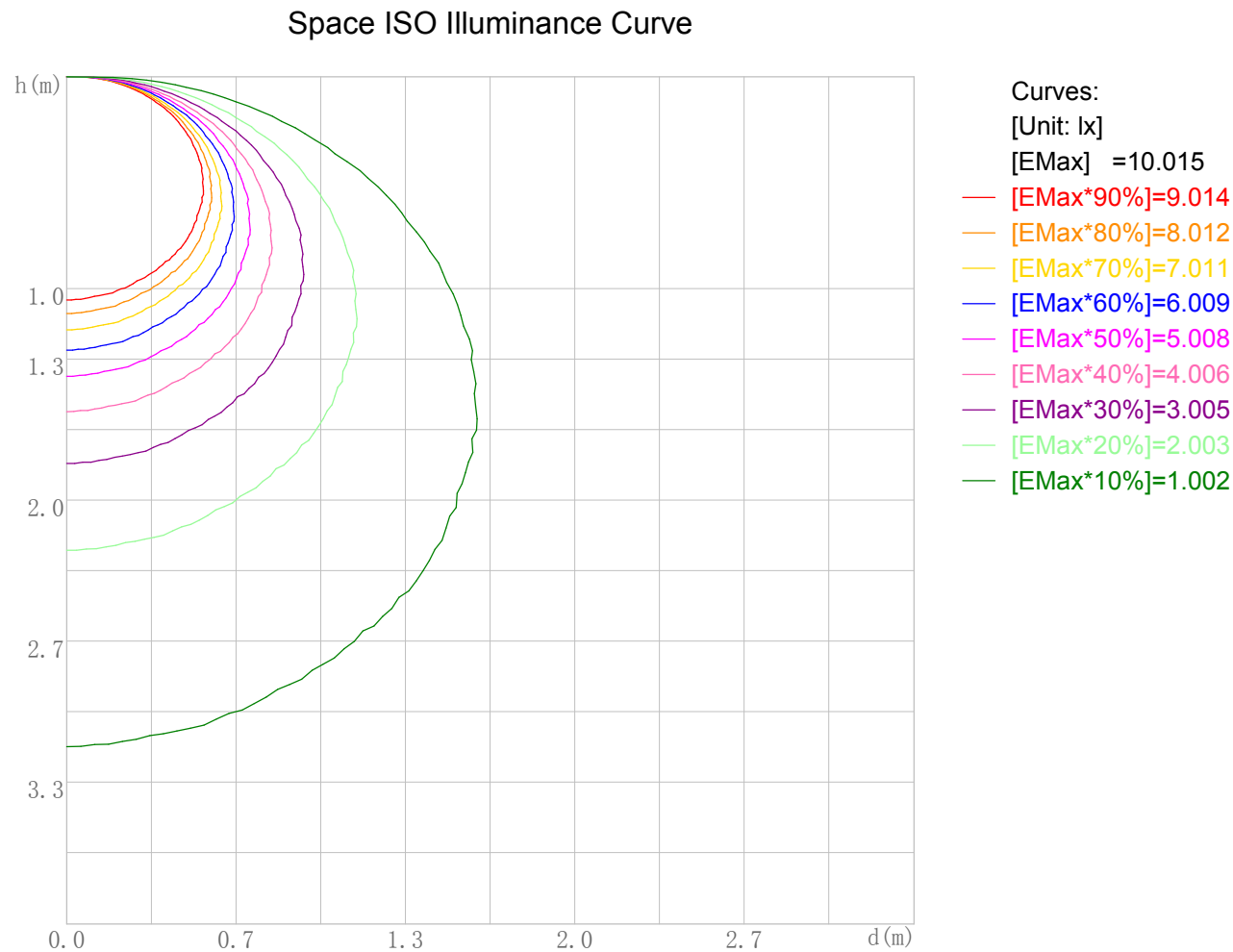
Lum. Name: SP-001	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30

3D Plane Illuminance Modal



Space ISO Illuminance Diagram

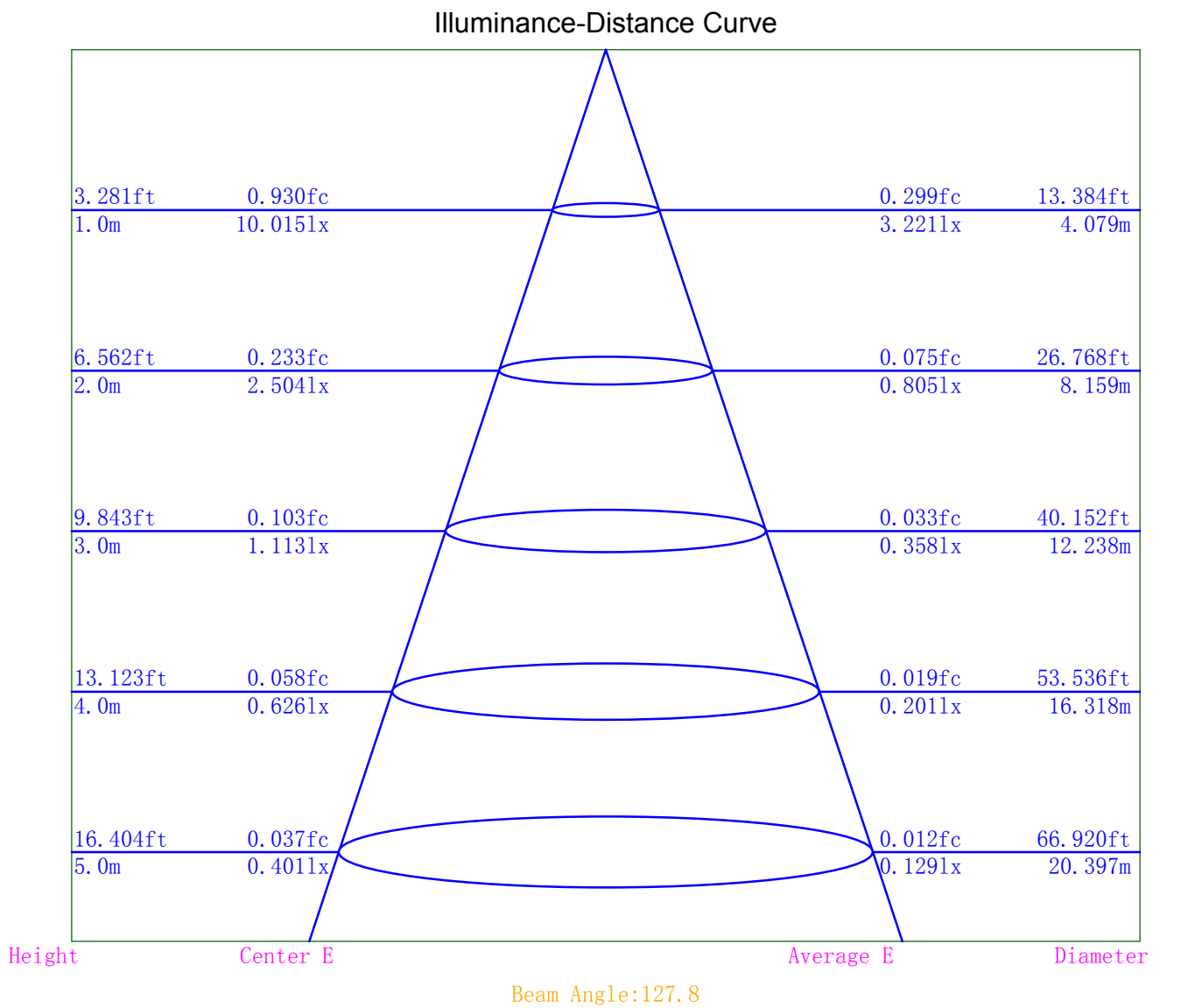
Lum. Name: SP-001	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30



Space Plane Maximum Illuminance and @Angle:10.02lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:10.015cd,0eg

Illuminance-Distance Diagram

Lum. Name: SP-001	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30



Indoor Luminance Limiting Curves

Lum. Name: SP-001	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30

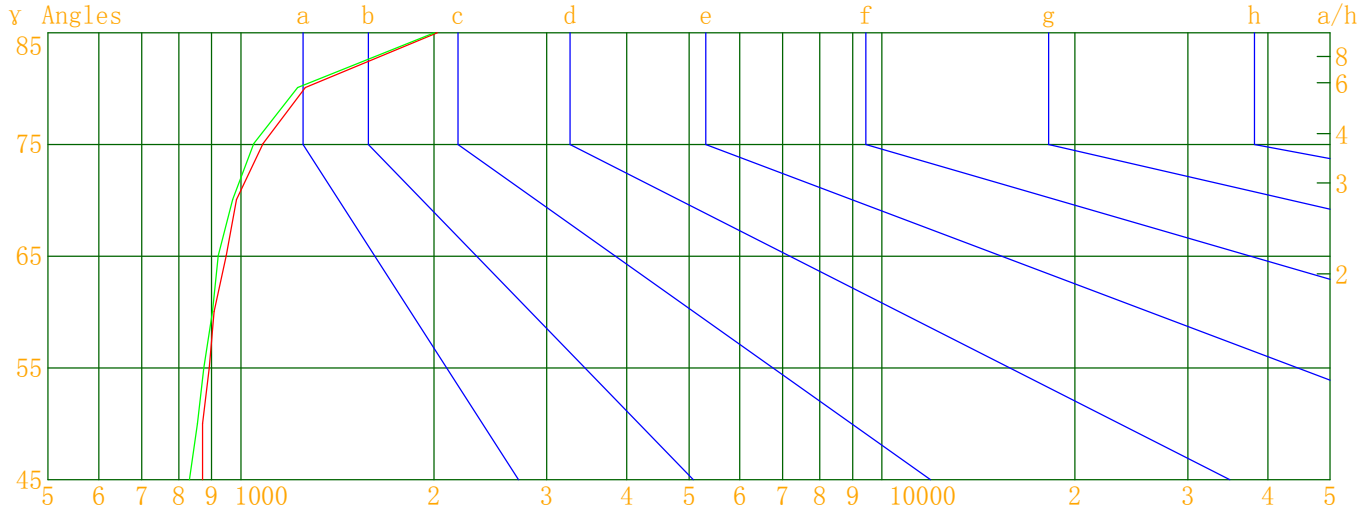
Glare Grade Table

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	871	871	892	909	949	985	1083	1260	2024
C90	831	855	876	902	922	970	1047	1226	2002

Luminance Limiting Curve



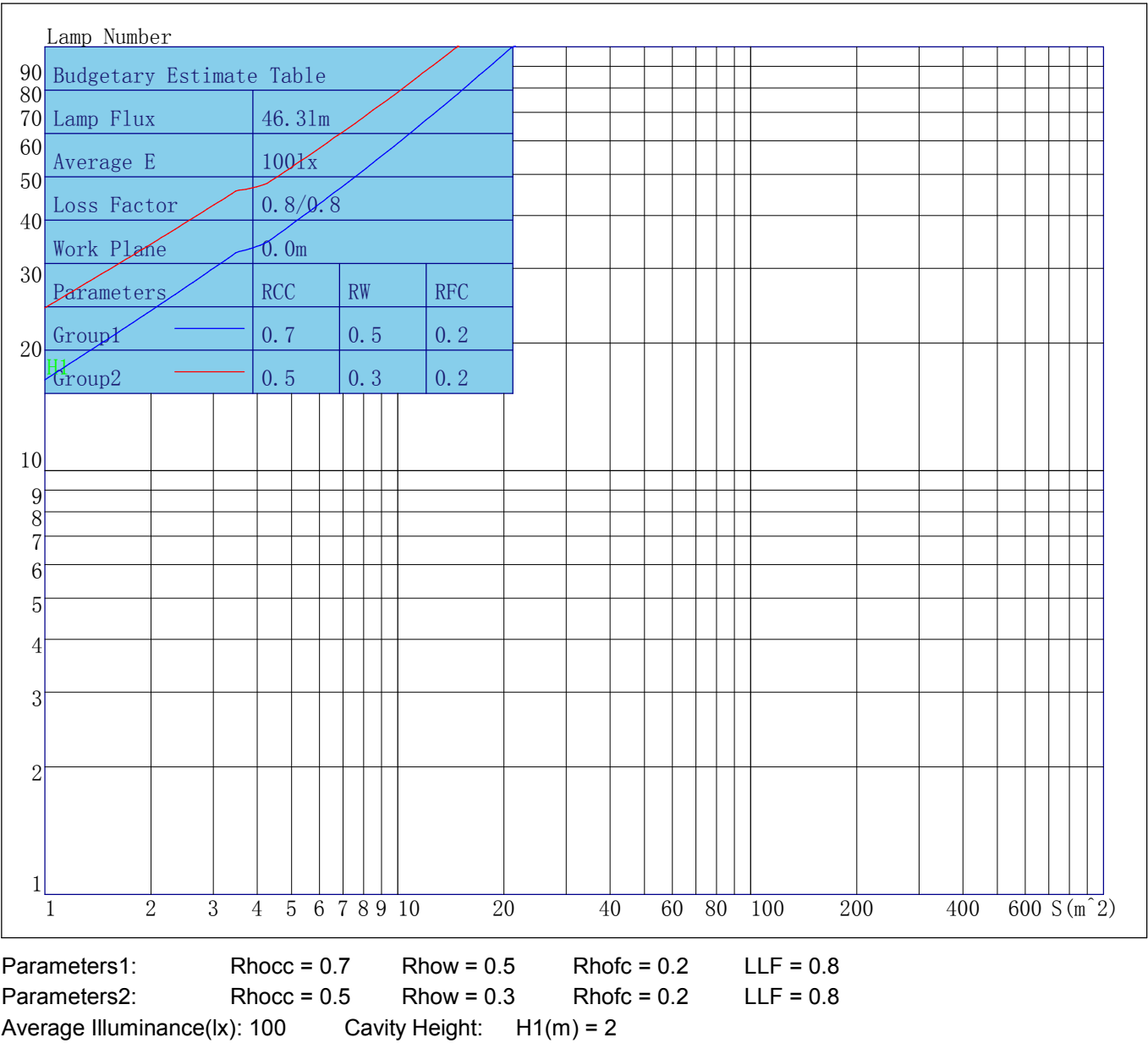
Luminous Size: Length(m)=0.100 Width(m)=0.080 Height(m)=0.040 Area(m^2)=0.012000

Luminous Type: Without Luminous Side

Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: SP-001	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30



Indoor Coefficient of Utilization Table

Lum. Name: SP-001	Lum. Catelog:	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30

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	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	76
1	101	96	91	86	96	91	87	83	82	79	76	74	72	69	67	65	63	59
2	91	82	75	69	86	78	72	66	71	66	61	64	60	56	58	54	51	48
3	83	72	63	56	78	68	61	54	62	55	50	56	51	46	50	46	43	39
4	75	63	54	47	71	60	52	45	55	48	42	49	44	39	44	40	36	33
5	69	56	47	40	65	53	45	39	49	42	36	44	38	34	40	35	31	28
6	64	50	41	35	60	48	40	33	44	37	31	40	34	29	36	31	27	24
7	59	45	36	30	56	43	35	29	40	33	27	36	30	26	33	28	24	21
8	55	41	33	27	52	39	31	26	36	29	24	33	27	23	30	25	21	19
9	51	38	29	24	48	36	28	23	33	26	22	30	25	20	28	23	19	17
10	48	34	27	21	45	33	26	21	30	24	20	28	22	18	26	21	17	15

Unified Glare Rating Table

Lum. Name: SP-001	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2016/11/30

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	10.2	11.5	10.9	12.2	13.0	10.3	11.5	11.0	12.2	13.1
	Y=3H	12.3	13.5	13.0	14.2	15.1	12.4	13.5	13.1	14.2	15.1
	Y=4H	13.4	14.5	14.1	15.2	16.1	13.4	14.5	14.1	15.2	16.1
	Y=6H	14.4	15.4	15.2	16.2	17.1	14.4	15.4	15.1	16.1	17.0
	Y=8H	15.0	15.9	15.7	16.7	17.6	14.9	15.9	15.7	16.6	17.6
	Y=12H	15.6	16.5	16.3	17.2	18.2	15.5	16.4	16.3	17.2	18.1
X=4H	Y=2H	11.1	12.2	11.8	12.9	13.8	11.2	12.2	11.9	13.0	13.9
	Y=3H	13.4	14.3	14.2	15.1	16.0	13.5	14.4	14.2	15.2	16.1
	Y=4H	14.6	15.5	15.4	16.2	17.2	14.7	15.5	15.4	16.3	17.2
	Y=6H	15.8	16.6	16.6	17.4	18.3	15.9	16.6	16.6	17.4	18.3
	Y=8H	16.5	17.2	17.2	18.0	18.9	16.5	17.2	17.3	18.0	18.9
	Y=12H	17.2	17.8	18.0	18.6	19.6	17.2	17.8	18.0	18.7	19.6
X=8H	Y=4H	15.2	15.9	15.9	16.6	17.6	15.2	15.9	16.0	16.7	17.7
	Y=6H	16.6	17.2	17.4	18.0	19.1	16.6	17.2	17.4	18.1	19.1
	Y=8H	17.4	17.9	18.2	18.8	19.7	17.5	18.0	18.3	18.8	19.8
	Y=12H	18.3	18.8	19.1	19.6	20.6	18.4	18.9	19.2	19.7	20.7
X=12H	Y=4H	15.3	15.9	16.1	16.7	17.7	15.3	15.9	16.1	16.7	17.7
	Y=6H	16.8	17.3	17.6	18.2	19.2	16.8	17.4	17.7	18.2	19.2
	Y=8H	17.7	18.2	18.5	19.0	20.0	17.8	18.2	18.6	19.1	20.1
Variations with the objerver position at spacings											
S=1.0H		0.1/-0.1					0.2/-0.2				
S=1.5H		0.3/-0.3					0.3/-0.3				
S=2.0H		0.3/-0.3					0.3/-0.3				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		4.7					4.7				

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

IES Indoor Report

Photometric Filename:SP-001.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	10. 02	10. 02	10. 02	10. 02	10. 02	10. 02	10. 02	10. 02	10. 02	10. 02	10. 02	10. 02
Y 1. 0	10. 01	9. 91	10. 06	9. 99	10. 18	10. 05	9. 92	9. 90	9. 98	9. 96	10. 14	10. 09
Y 2. 0	9. 97	9. 89	10. 11	9. 96	10. 05	10. 05	10. 01	9. 96	9. 99	10. 01	10. 15	9. 90
Y 3. 0	9. 98	9. 86	10. 14	9. 84	10. 03	9. 95	9. 89	9. 91	10. 08	9. 98	10. 13	10. 02
Y 4. 0	9. 93	9. 90	10. 05	9. 86	10. 09	10. 07	9. 89	9. 84	10. 02	9. 90	10. 08	10. 03
Y 5. 0	9. 91	9. 93	10. 03	9. 94	10. 01	10. 11	9. 91	9. 90	9. 98	9. 89	10. 09	9. 95
Y 6. 0	9. 85	9. 88	9. 97	9. 88	10. 05	9. 97	9. 91	9. 87	9. 96	9. 87	10. 01	10. 02
Y 7. 0	9. 85	9. 89	10. 05	9. 84	10. 02	9. 95	9. 79	9. 85	9. 96	9. 82	9. 98	9. 97
Y 8. 0	9. 83	9. 82	9. 97	9. 75	10. 05	9. 96	9. 79	9. 84	9. 99	9. 89	10. 05	9. 95
Y 9. 0	9. 83	9. 85	9. 95	9. 71	10. 01	9. 92	9. 78	9. 74	9. 93	9. 85	10. 02	9. 98
Y 10. 0	9. 82	9. 76	9. 93	9. 70	9. 95	9. 93	9. 78	9. 75	9. 86	9. 81	9. 91	9. 94
Y 11. 0	9. 73	9. 80	9. 98	9. 75	9. 90	9. 89	9. 72	9. 71	9. 86	9. 85	9. 85	9. 93
Y 12. 0	9. 67	9. 81	9. 94	9. 67	9. 81	9. 78	9. 72	9. 73	9. 70	9. 79	9. 86	9. 85
Y 13. 0	9. 68	9. 69	9. 74	9. 62	9. 82	9. 76	9. 68	9. 70	9. 77	9. 84	9. 82	9. 82
Y 14. 0	9. 60	9. 64	9. 78	9. 61	9. 78	9. 75	9. 69	9. 64	9. 76	9. 77	9. 72	9. 86
Y 15. 0	9. 53	9. 59	9. 72	9. 59	9. 66	9. 70	9. 60	9. 51	9. 66	9. 77	9. 67	9. 73
Y 16. 0	9. 43	9. 56	9. 66	9. 60	9. 66	9. 73	9. 53	9. 49	9. 73	9. 69	9. 64	9. 74
Y 17. 0	9. 42	9. 53	9. 61	9. 50	9. 65	9. 62	9. 46	9. 53	9. 63	9. 66	9. 59	9. 70
Y 18. 0	9. 42	9. 47	9. 68	9. 48	9. 67	9. 53	9. 52	9. 43	9. 55	9. 61	9. 54	9. 60
Y 19. 0	9. 30	9. 43	9. 67	9. 33	9. 53	9. 47	9. 38	9. 44	9. 46	9. 47	9. 49	9. 56
Y 20. 0	9. 28	9. 33	9. 53	9. 35	9. 52	9. 47	9. 31	9. 47	9. 51	9. 45	9. 33	9. 52
Y 21. 0	9. 26	9. 28	9. 38	9. 30	9. 38	9. 33	9. 30	9. 38	9. 40	9. 39	9. 30	9. 45
Y 22. 0	9. 16	9. 35	9. 40	9. 27	9. 35	9. 33	9. 25	9. 34	9. 36	9. 36	9. 22	9. 37
Y 23. 0	9. 13	9. 19	9. 33	9. 18	9. 38	9. 21	9. 19	9. 21	9. 19	9. 31	9. 23	9. 40
Y 24. 0	8. 99	9. 12	9. 28	9. 12	9. 34	9. 09	9. 19	9. 25	9. 15	9. 22	9. 27	9. 23
Y 25. 0	9. 04	9. 06	9. 22	9. 00	9. 25	9. 10	9. 01	9. 16	9. 07	9. 09	9. 11	9. 15
Y 26. 0	8. 96	8. 97	9. 16	8. 93	9. 24	9. 04	8. 94	9. 05	9. 11	8. 98	9. 04	9. 17
Y 27. 0	8. 92	8. 89	9. 18	8. 85	9. 10	9. 01	8. 85	8. 91	9. 01	9. 03	8. 93	9. 13
Y 28. 0	8. 79	8. 78	9. 06	8. 81	9. 00	8. 89	8. 82	8. 89	8. 92	8. 91	8. 91	9. 06
Y 29. 0	8. 82	8. 77	8. 94	8. 77	8. 98	8. 82	8. 63	8. 78	8. 77	8. 90	8. 81	8. 94
Y 30. 0	8. 74	8. 74	8. 85	8. 68	8. 95	8. 75	8. 64	8. 77	8. 65	8. 73	8. 73	8. 94
Y 31. 0	8. 65	8. 58	8. 85	8. 59	8. 79	8. 72	8. 47	8. 71	8. 58	8. 65	8. 63	8. 81
Y 32. 0	8. 56	8. 48	8. 71	8. 52	8. 71	8. 65	8. 44	8. 62	8. 55	8. 59	8. 51	8. 64
Y 33. 0	8. 45	8. 40	8. 58	8. 39	8. 63	8. 58	8. 39	8. 47	8. 48	8. 51	8. 41	8. 59
Y 34. 0	8. 42	8. 28	8. 51	8. 31	8. 50	8. 42	8. 30	8. 39	8. 32	8. 33	8. 34	8. 54
Y 35. 0	8. 27	8. 22	8. 40	8. 26	8. 47	8. 34	8. 16	8. 35	8. 32	8. 38	8. 30	8. 44
Y 36. 0	8. 14	8. 13	8. 36	8. 18	8. 43	8. 26	8. 09	8. 23	8. 19	8. 25	8. 17	8. 45
Y 37. 0	8. 13	8. 04	8. 23	7. 97	8. 26	8. 10	7. 94	8. 12	8. 16	8. 21	8. 10	8. 34
Y 38. 0	7. 91	7. 91	8. 17	7. 83	8. 26	8. 09	7. 88	8. 07	8. 02	8. 06	7. 93	8. 27
Y 39. 0	7. 87	7. 81	8. 06	7. 78	8. 16	7. 95	7. 79	8. 10	7. 89	7. 90	8. 00	8. 05
Y 40. 0	7. 79	7. 65	7. 92	7. 66	8. 00	7. 86	7. 72	8. 01	7. 82	7. 93	7. 80	7. 97
Y 41. 0	7. 70	7. 54	7. 87	7. 50	7. 87	7. 81	7. 58	7. 81	7. 73	7. 79	7. 71	7. 88
Y 42. 0	7. 68	7. 49	7. 83	7. 39	7. 79	7. 68	7. 54	7. 76	7. 64	7. 63	7. 61	7. 80
Y 43. 0	7. 48	7. 39	7. 66	7. 33	7. 70	7. 46	7. 44	7. 62	7. 53	7. 47	7. 51	7. 74
Y 44. 0	7. 49	7. 29	7. 58	7. 21	7. 57	7. 51	7. 36	7. 42	7. 40	7. 44	7. 38	7. 61
Y 45. 0	7. 39	7. 17	7. 42	7. 05	7. 49	7. 29	7. 20	7. 43	7. 24	7. 26	7. 31	7. 50
Y 46. 0	7. 21	6. 99	7. 31	6. 93	7. 39	7. 15	7. 09	7. 28	7. 16	7. 10	7. 20	7. 34

IES Indoor Report

Photometric Filename:SP-001.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
Y 47. 0	7. 06	6. 93	7. 19	6. 89	7. 23	7. 14	7. 00	7. 19	7. 01	7. 06	7. 07	7. 30
Y 48. 0	7. 02	6. 82	7. 12	6. 79	7. 14	6. 96	6. 90	7. 11	6. 85	6. 93	6. 99	7. 14
Y 49. 0	6. 87	6. 78	6. 99	6. 76	7. 03	6. 95	6. 75	6. 96	6. 78	6. 86	6. 83	7. 02
Y 50. 0	6. 72	6. 67	6. 89	6. 60	6. 93	6. 82	6. 66	6. 84	6. 70	6. 70	6. 76	6. 96
Y 51. 0	6. 72	6. 53	6. 76	6. 51	6. 77	6. 71	6. 55	6. 77	6. 48	6. 57	6. 65	6. 75
Y 52. 0	6. 58	6. 39	6. 55	6. 37	6. 64	6. 60	6. 40	6. 58	6. 41	6. 47	6. 56	6. 69
Y 53. 0	6. 36	6. 24	6. 45	6. 30	6. 60	6. 46	6. 26	6. 45	6. 28	6. 27	6. 42	6. 59
Y 54. 0	6. 26	6. 20	6. 34	6. 19	6. 43	6. 34	6. 16	6. 36	6. 08	6. 27	6. 26	6. 41
Y 55. 0	6. 14	6. 01	6. 24	6. 03	6. 36	6. 20	6. 00	6. 17	6. 00	6. 14	6. 28	6. 37
Y 56. 0	6. 02	5. 93	6. 07	5. 90	6. 14	6. 11	5. 91	6. 08	5. 95	6. 05	6. 11	6. 17
Y 57. 0	5. 84	5. 78	5. 95	5. 81	6. 02	6. 01	5. 76	6. 01	5. 83	5. 95	5. 95	6. 09
Y 58. 0	5. 74	5. 64	5. 88	5. 64	5. 93	5. 70	5. 69	5. 83	5. 73	5. 77	5. 80	5. 99
Y 59. 0	5. 66	5. 47	5. 73	5. 57	5. 86	5. 57	5. 59	5. 74	5. 53	5. 59	5. 66	5. 83
Y 60. 0	5. 45	5. 32	5. 68	5. 41	5. 72	5. 55	5. 46	5. 54	5. 43	5. 49	5. 57	5. 65
Y 61. 0	5. 34	5. 25	5. 61	5. 26	5. 57	5. 44	5. 33	5. 43	5. 29	5. 37	5. 44	5. 63
Y 62. 0	5. 18	5. 08	5. 42	5. 07	5. 42	5. 22	5. 12	5. 32	5. 15	5. 31	5. 29	5. 51
Y 63. 0	4. 98	4. 91	5. 32	4. 98	5. 33	5. 05	4. 96	5. 24	5. 03	5. 09	5. 14	5. 29
Y 64. 0	4. 91	4. 74	5. 20	4. 77	5. 11	5. 02	4. 87	5. 17	4. 89	4. 97	5. 06	5. 13
Y 65. 0	4. 81	4. 60	5. 03	4. 68	5. 01	4. 81	4. 73	5. 02	4. 75	4. 87	4. 87	5. 05
Y 66. 0	4. 67	4. 45	4. 86	4. 51	4. 89	4. 67	4. 49	4. 83	4. 61	4. 73	4. 76	4. 90
Y 67. 0	4. 54	4. 27	4. 67	4. 40	4. 72	4. 59	4. 40	4. 65	4. 51	4. 61	4. 55	4. 70
Y 68. 0	4. 36	4. 11	4. 59	4. 25	4. 61	4. 46	4. 23	4. 52	4. 27	4. 47	4. 50	4. 65
Y 69. 0	4. 27	3. 95	4. 49	4. 16	4. 40	4. 27	4. 07	4. 36	4. 26	4. 31	4. 38	4. 46
Y 70. 0	4. 04	3. 78	4. 26	3. 98	4. 29	4. 07	3. 91	4. 16	4. 15	4. 21	4. 10	4. 35
Y 71. 0	3. 83	3. 68	4. 11	3. 79	4. 02	3. 98	3. 79	4. 09	3. 84	4. 07	4. 05	4. 15
Y 72. 0	3. 78	3. 57	4. 01	3. 63	3. 96	3. 81	3. 61	3. 90	3. 79	3. 92	3. 87	4. 03
Y 73. 0	3. 57	3. 40	3. 77	3. 58	3. 79	3. 69	3. 51	3. 72	3. 66	3. 70	3. 77	3. 88
Y 74. 0	3. 46	3. 32	3. 64	3. 44	3. 73	3. 51	3. 34	3. 64	3. 44	3. 68	3. 53	3. 82
Y 75. 0	3. 36	3. 11	3. 53	3. 25	3. 55	3. 41	3. 26	3. 46	3. 34	3. 56	3. 44	3. 53
Y 76. 0	3. 14	3. 07	3. 46	3. 13	3. 41	3. 18	3. 12	3. 38	3. 14	3. 34	3. 38	3. 50
Y 77. 0	3. 07	2. 91	3. 29	2. 92	3. 20	3. 17	2. 97	3. 17	3. 07	3. 22	3. 20	3. 33
Y 78. 0	2. 90	2. 79	3. 10	2. 82	3. 02	3. 05	2. 83	3. 09	2. 94	3. 11	3. 09	3. 07
Y 79. 0	2. 80	2. 63	2. 98	2. 69	2. 92	2. 90	2. 66	2. 90	2. 75	2. 91	2. 89	3. 03
Y 80. 0	2. 63	2. 53	2. 82	2. 55	2. 79	2. 75	2. 60	2. 81	2. 63	2. 87	2. 73	2. 89
Y 81. 0	2. 53	2. 38	2. 68	2. 42	2. 70	2. 59	2. 44	2. 61	2. 52	2. 70	2. 62	2. 78
Y 82. 0	2. 44	2. 32	2. 58	2. 37	2. 57	2. 55	2. 29	2. 51	2. 49	2. 57	2. 46	2. 65
Y 83. 0	2. 34	2. 17	2. 48	2. 27	2. 52	2. 30	2. 19	2. 37	2. 31	2. 51	2. 34	2. 50
Y 84. 0	2. 13	2. 07	2. 39	2. 17	2. 44	2. 25	2. 05	2. 25	2. 12	2. 38	2. 34	2. 45
Y 85. 0	2. 12	2. 05	2. 30	2. 09	2. 24	2. 13	2. 00	2. 13	2. 11	2. 32	2. 20	2. 23
Y 86. 0	2. 02	1. 99	2. 24	1. 98	2. 23	2. 08	1. 88	2. 12	1. 98	2. 12	2. 05	2. 14
Y 87. 0	1. 91	1. 91	1. 99	1. 88	2. 11	2. 03	1. 89	2. 07	1. 80	2. 07	2. 05	2. 15
Y 88. 0	1. 90	1. 86	1. 94	1. 90	2. 16	1. 99	1. 79	1. 98	1. 86	1. 96	1. 99	2. 01
Y 89. 0	1. 91	1. 81	2. 03	1. 83	2. 17	1. 99	1. 80	1. 97	1. 77	1. 92	1. 92	1. 95
Y 90. 0	1. 93	1. 75	2. 01	1. 80	2. 11	2. 04	1. 75	1. 91	1. 81	1. 97	1. 87	1. 93
Y 91. 0	1. 86	1. 93	2. 02	1. 72	2. 15	1. 98	1. 76	1. 92	1. 78	1. 95	1. 87	1. 88
Y 92. 0	1. 84	1. 94	1. 99	1. 72	2. 13	2. 09	1. 73	1. 94	1. 77	1. 93	1. 99	1. 91
Y 93. 0	1. 84	1. 88	2. 00	1. 73	2. 17	2. 14	1. 71	1. 89	1. 75	1. 84	1. 83	1. 92

IES Indoor Report
Photometric Filename:SP-001.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
Y 94. 0	1. 80	1. 89	2. 07	1. 76	2. 11	2. 11	1. 64	1. 84	1. 71	1. 83	1. 88	1. 90
Y 95. 0	1. 85	1. 84	2. 05	1. 73	2. 10	2. 04	1. 72	1. 88	1. 72	1. 81	1. 79	1. 90
Y 96. 0	1. 78	1. 92	2. 07	1. 74	2. 15	2. 04	1. 69	1. 81	1. 78	1. 82	1. 92	1. 88
Y 97. 0	1. 82	1. 81	2. 12	1. 73	2. 09	2. 00	1. 69	1. 86	1. 79	1. 87	1. 90	1. 92
Y 98. 0	1. 88	1. 83	2. 14	1. 70	2. 07	2. 07	1. 72	1. 91	1. 80	1. 73	1. 95	1. 99
Y 99. 0	1. 81	1. 77	2. 07	1. 67	2. 06	2. 09	1. 76	1. 86	1. 81	1. 75	1. 91	1. 95
Y 100. 0	1. 78	1. 80	2. 12	1. 69	2. 04	2. 04	1. 70	1. 86	1. 85	1. 71	1. 95	1. 95
Y 101. 0	1. 79	1. 79	2. 05	1. 67	2. 09	2. 03	1. 74	1. 88	1. 83	1. 75	1. 94	1. 97
Y 102. 0	1. 78	1. 74	2. 15	1. 59	2. 03	2. 01	1. 79	1. 83	1. 82	1. 76	1. 87	2. 00
Y 103. 0	1. 80	1. 76	2. 13	1. 65	2. 05	2. 03	1. 73	1. 88	1. 89	1. 76	1. 93	2. 00
Y 104. 0	1. 81	1. 71	2. 08	1. 70	2. 10	2. 07	1. 80	1. 84	1. 91	1. 74	1. 86	1. 92
Y 105. 0	1. 76	1. 77	2. 13	1. 63	2. 08	1. 99	1. 75	1. 88	1. 93	1. 73	1. 84	1. 94
Y 106. 0	1. 79	1. 78	2. 07	1. 68	2. 07	1. 99	1. 74	1. 85	1. 88	1. 70	1. 88	1. 92
Y 107. 0	1. 77	1. 73	2. 07	1. 65	2. 04	1. 99	1. 77	1. 89	1. 89	1. 72	1. 93	1. 92
Y 108. 0	1. 65	1. 75	2. 05	1. 60	2. 07	2. 03	1. 72	1. 84	1. 88	1. 75	1. 97	1. 88
Y 109. 0	1. 60	1. 72	2. 05	1. 62	2. 04	1. 97	1. 65	1. 90	1. 89	1. 71	1. 90	1. 92
Y 110. 0	1. 67	1. 70	2. 04	1. 67	2. 04	2. 01	1. 58	1. 83	1. 82	1. 81	1. 90	1. 86
Y 111. 0	1. 62	1. 69	2. 11	1. 66	1. 99	1. 96	1. 63	1. 81	1. 82	1. 76	1. 91	1. 86
Y 112. 0	1. 64	1. 68	2. 05	1. 66	2. 05	2. 00	1. 62	1. 83	1. 86	1. 73	1. 87	1. 96
Y 113. 0	1. 66	1. 68	2. 04	1. 65	1. 93	1. 98	1. 58	1. 84	1. 85	1. 74	1. 86	1. 94
Y 114. 0	1. 67	1. 70	2. 01	1. 66	1. 90	2. 06	1. 61	1. 80	1. 84	1. 72	1. 91	2. 01
Y 115. 0	1. 76	1. 61	1. 99	1. 63	1. 95	2. 01	1. 65	1. 83	1. 75	1. 72	1. 88	1. 91
Y 116. 0	1. 81	1. 67	1. 94	1. 69	2. 00	2. 01	1. 71	1. 74	1. 83	1. 66	1. 83	1. 90
Y 117. 0	1. 63	1. 64	2. 03	1. 74	1. 95	2. 02	1. 74	1. 76	1. 75	1. 71	1. 86	1. 80
Y 118. 0	1. 74	1. 67	2. 00	1. 71	1. 95	1. 97	1. 66	1. 79	1. 81	1. 69	1. 86	1. 75
Y 119. 0	1. 73	1. 60	1. 88	1. 77	1. 91	2. 01	1. 66	1. 79	1. 79	1. 70	1. 81	1. 76
Y 120. 0	1. 62	1. 63	1. 89	1. 81	1. 91	2. 04	1. 65	1. 83	1. 84	1. 71	1. 76	1. 84
Y 121. 0	1. 76	1. 67	1. 87	1. 76	1. 92	1. 93	1. 64	1. 78	1. 73	1. 70	1. 78	1. 76
Y 122. 0	1. 68	1. 67	1. 87	1. 73	1. 95	1. 96	1. 60	1. 88	1. 74	1. 69	1. 80	1. 81
Y 123. 0	1. 67	1. 67	1. 90	1. 79	1. 78	1. 88	1. 66	1. 81	1. 77	1. 71	1. 70	1. 80
Y 124. 0	1. 72	1. 62	1. 83	1. 75	1. 82	1. 95	1. 68	1. 78	1. 74	1. 79	1. 74	1. 78
Y 125. 0	1. 73	1. 68	1. 86	1. 72	1. 79	1. 91	1. 69	1. 80	1. 83	1. 72	1. 78	1. 82
Y 126. 0	1. 72	1. 60	1. 82	1. 68	1. 84	1. 91	1. 60	1. 71	1. 73	1. 72	1. 77	1. 86
Y 127. 0	1. 72	1. 63	1. 81	1. 79	1. 86	1. 83	1. 66	1. 74	1. 74	1. 68	1. 73	1. 84
Y 128. 0	1. 67	1. 56	1. 82	1. 74	1. 88	1. 88	1. 64	1. 73	1. 74	1. 67	1. 67	1. 74
Y 129. 0	1. 71	1. 60	1. 84	1. 71	1. 82	1. 82	1. 56	1. 76	1. 75	1. 75	1. 66	1. 69
Y 130. 0	1. 66	1. 66	1. 84	1. 83	1. 76	1. 83	1. 65	1. 70	1. 76	1. 70	1. 70	1. 74
Y 131. 0	1. 64	1. 59	1. 87	1. 71	1. 91	1. 89	1. 63	1. 72	1. 82	1. 70	1. 68	1. 78
Y 132. 0	1. 76	1. 61	1. 80	1. 70	1. 86	1. 85	1. 68	1. 71	1. 76	1. 79	1. 76	1. 75
Y 133. 0	1. 70	1. 57	1. 81	1. 75	1. 93	1. 73	1. 68	1. 69	1. 72	1. 73	1. 68	1. 77
Y 134. 0	1. 61	1. 64	1. 83	1. 69	1. 85	1. 78	1. 65	1. 69	1. 73	1. 72	1. 75	1. 76
Y 135. 0	1. 59	1. 67	1. 79	1. 75	1. 91	1. 81	1. 62	1. 75	1. 70	1. 74	1. 77	1. 80
Y 136. 0	1. 62	1. 59	1. 90	1. 78	1. 83	1. 77	1. 59	1. 82	1. 76	1. 72	1. 79	1. 84
Y 137. 0	1. 62	1. 62	1. 83	1. 83	1. 92	1. 76	1. 66	1. 76	1. 70	1. 69	1. 80	1. 80
Y 138. 0	1. 60	1. 55	1. 82	1. 78	1. 85	1. 88	1. 56	1. 76	1. 71	1. 74	1. 74	1. 92
Y 139. 0	1. 63	1. 58	1. 72	1. 73	1. 79	1. 81	1. 69	1. 69	1. 77	1. 75	1. 72	1. 90
Y 140. 0	1. 59	1. 55	1. 78	1. 71	1. 77	1. 82	1. 68	1. 69	1. 73	1. 76	1. 79	1. 92

Photometric Filename:SP-001.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
Y 141.0	1.63	1.50	1.68	1.71	1.74	1.86	1.68	1.74	1.73	1.77	1.77	1.91
Y 142.0	1.66	1.53	1.72	1.69	1.82	1.84	1.59	1.74	1.77	1.80	1.76	1.83
Y 143.0	1.65	1.54	1.74	1.68	1.84	1.85	1.68	1.72	1.60	1.72	1.74	1.83
Y 144.0	1.71	1.54	1.74	1.71	1.79	1.78	1.65	1.66	1.66	1.78	1.72	1.86
Y 145.0	1.68	1.56	1.68	1.80	1.75	1.82	1.63	1.62	1.60	1.76	1.74	1.84
Y 146.0	1.73	1.58	1.69	1.77	1.74	1.82	1.55	1.67	1.65	1.72	1.72	1.82
Y 147.0	1.66	1.59	1.69	1.73	1.77	1.85	1.71	1.64	1.74	1.75	1.78	1.76
Y 148.0	1.70	1.56	1.68	1.75	1.77	1.88	1.73	1.67	1.65	1.70	1.75	1.82
Y 149.0	1.69	1.48	1.72	1.78	1.66	1.78	1.70	1.62	1.67	1.76	1.74	1.75
Y 150.0	1.64	1.60	1.72	1.74	1.64	1.70	1.67	1.59	1.64	1.77	1.81	1.82
Y 151.0	1.62	1.61	1.71	1.70	1.69	1.79	1.70	1.59	1.71	1.72	1.83	1.81
Y 152.0	1.67	1.68	1.75	1.71	1.70	1.79	1.71	1.58	1.61	1.74	1.79	1.80
Y 153.0	1.65	1.57	1.74	1.75	1.70	1.77	1.64	1.55	1.70	1.73	1.79	1.78
Y 154.0	1.63	1.57	1.68	1.72	1.75	1.80	1.70	1.54	1.73	1.70	1.83	1.78
Y 155.0	1.64	1.50	1.79	1.72	1.68	1.76	1.70	1.56	1.73	1.73	1.83	1.73
Y 156.0	1.66	1.61	1.79	1.73	1.66	1.75	1.66	1.65	1.75	1.75	1.77	1.71
Y 157.0	1.64	1.62	1.77	1.74	1.66	1.69	1.71	1.67	1.71	1.75	1.78	1.69
Y 158.0	1.62	1.56	1.70	1.72	1.67	1.71	1.67	1.63	1.70	1.71	1.75	1.75
Y 159.0	1.64	1.62	1.70	1.70	1.70	1.83	1.75	1.62	1.74	1.78	1.76	1.76
Y 160.0	1.64	1.52	1.77	1.66	1.74	1.82	1.72	1.60	1.74	1.79	1.75	1.83
Y 161.0	1.67	1.61	1.79	1.59	1.78	1.77	1.69	1.64	1.74	1.78	1.82	1.78
Y 162.0	1.64	1.59	1.81	1.67	1.79	1.71	1.74	1.70	1.69	1.77	1.82	1.72
Y 163.0	1.62	1.59	1.84	1.63	1.78	1.71	1.70	1.59	1.73	1.77	1.81	1.76
Y 164.0	1.58	1.60	1.81	1.65	1.70	1.74	1.76	1.65	1.76	1.85	1.84	1.73
Y 165.0	1.55	1.62	1.86	1.74	1.69	1.78	1.75	1.62	1.68	1.81	1.86	1.73
Y 166.0	1.62	1.65	1.75	1.70	1.72	1.88	1.71	1.66	1.69	1.75	1.79	1.70
Y 167.0	1.53	1.55	1.83	1.63	1.83	1.79	1.68	1.62	1.69	1.75	1.82	1.76
Y 168.0	1.49	1.48	1.79	1.68	1.78	1.79	1.72	1.66	1.68	1.77	1.79	1.77
Y 169.0	1.52	1.60	1.74	1.67	1.87	1.80	1.67	1.70	1.73	1.76	1.75	1.80
Y 170.0	1.59	1.66	1.75	1.66	1.85	1.84	1.64	1.62	1.70	1.77	1.82	1.77
Y 171.0	1.66	1.63	1.88	1.74	1.85	1.83	1.66	1.59	1.66	1.78	1.80	1.84
Y 172.0	1.53	1.55	1.82	1.65	1.87	1.88	1.60	1.64	1.75	1.70	1.81	1.83