

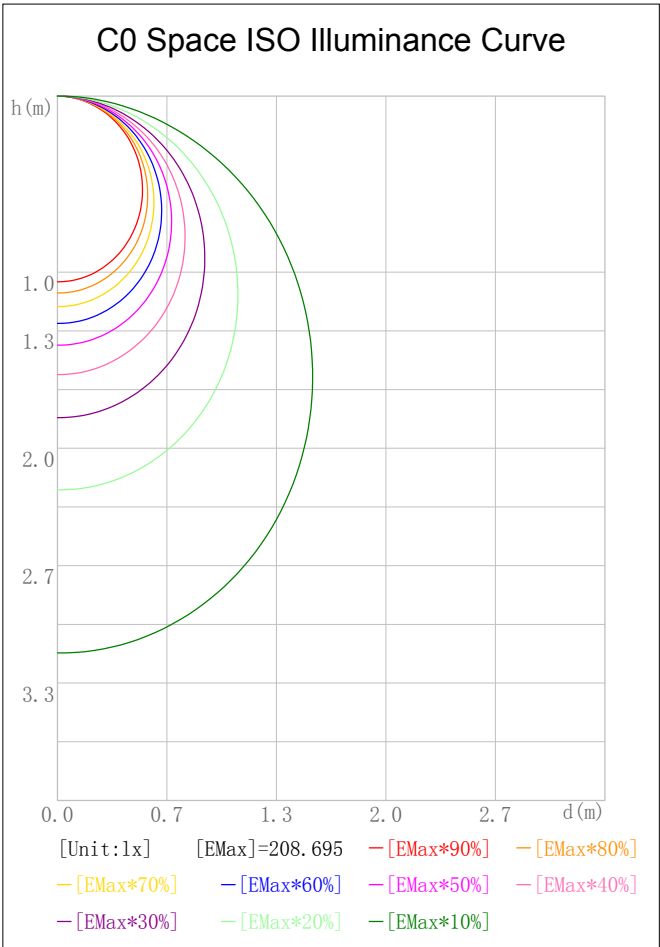
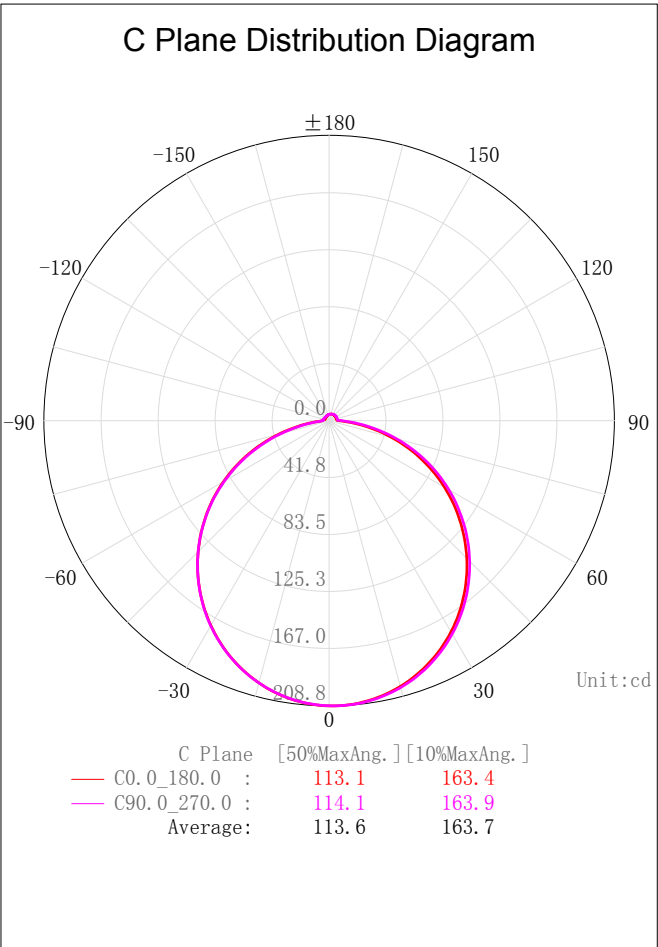
Indoor Luminaire Photometric Data

Description Information

Luminary Name: OE1616F		Lum. Catalog: IP67	Test ID:
Lamp Name:		Lamp Catalog:	Test Date: 2024/07/09
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency (Hz):	Lamp CCT(K): 2700K Ra: 90
Lum. Size (W*L*H):100mm*100mm*100mm		Lum. Area (m2):0.020	Lum. W(kg): 1.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity(%): 40

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 640.233	Luminary Flux(lm): 640.233	Field Angle(10%Imax): 163.4(°)	
Rated Power(W): 10W	Luminary Efficiency: 100.00%	Down Lumens&Percent: 609.368lm 95.18%	
Rated Voltage(V): 24V	Luminary EER(lm/W): 62.219	Up Lumens&Percent: 30.865lm 4.82%	
Tested Power(W): 10.290	Max. Candela(cd): 208.767	S/MH: C0_a180=1.252 C90_270=1.259	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf):23.9, 0.430	Beam Angle(50%Imax): 113.1(°)	ErP ϕ use(120°): 471.582lm	
Lamp Size (W*L*H):100mm*100mm*100mm	Left=-55.3°, Right=57.8°	IRF(%): 107.911	



IES Indoor Report

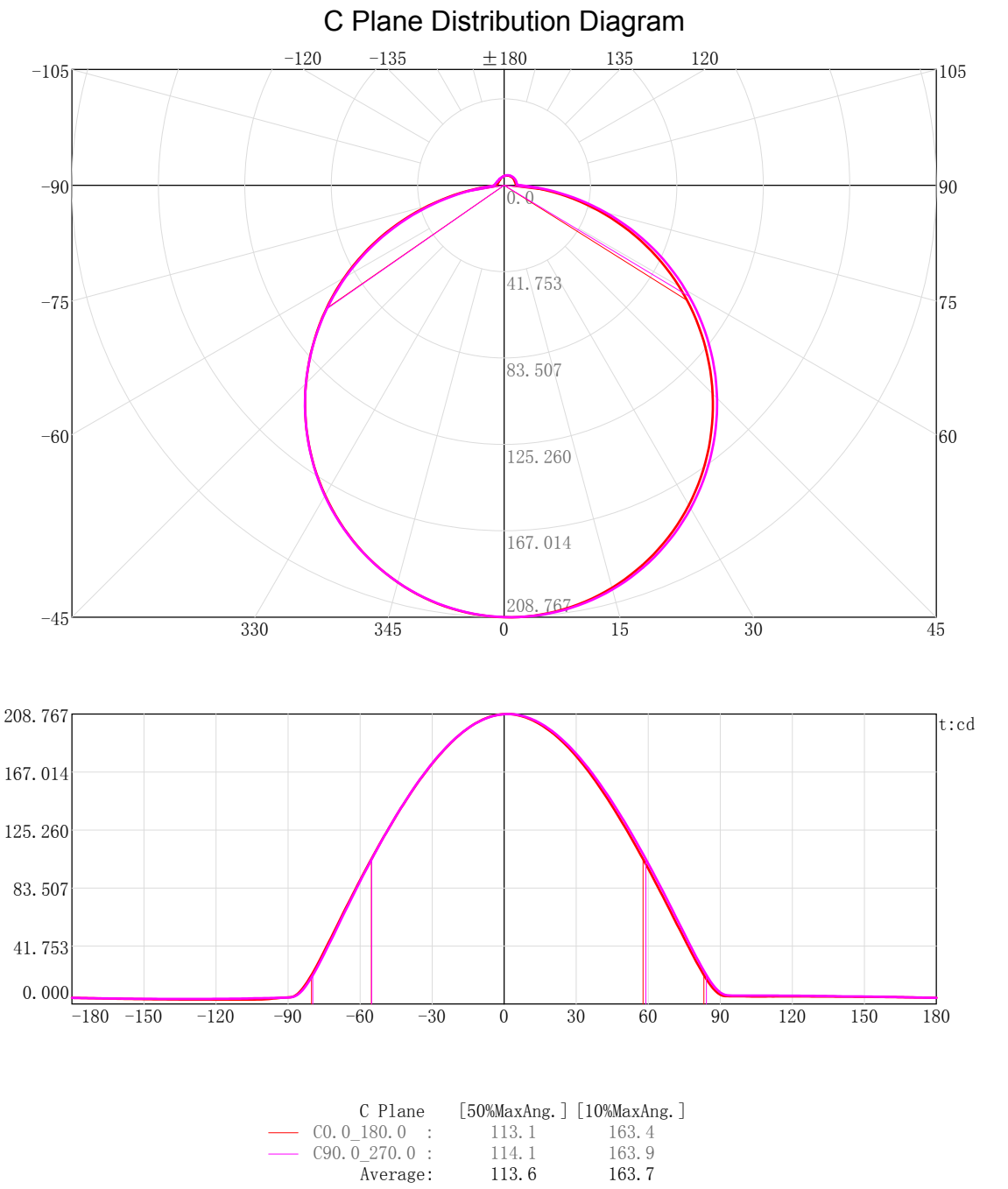
Photometric Filename:OE1616F.IES

Average brightness table(cd/m2)

Angle value	Average	Average	Average
Y(°)	L0	L45	L90
45	10070	9881	10285
55	9873	9613	10179
65	9595	9179	10054
75	9112	8311	9823
85	9126	7414	10782

2D Plane Light Intensity Distribution Curve

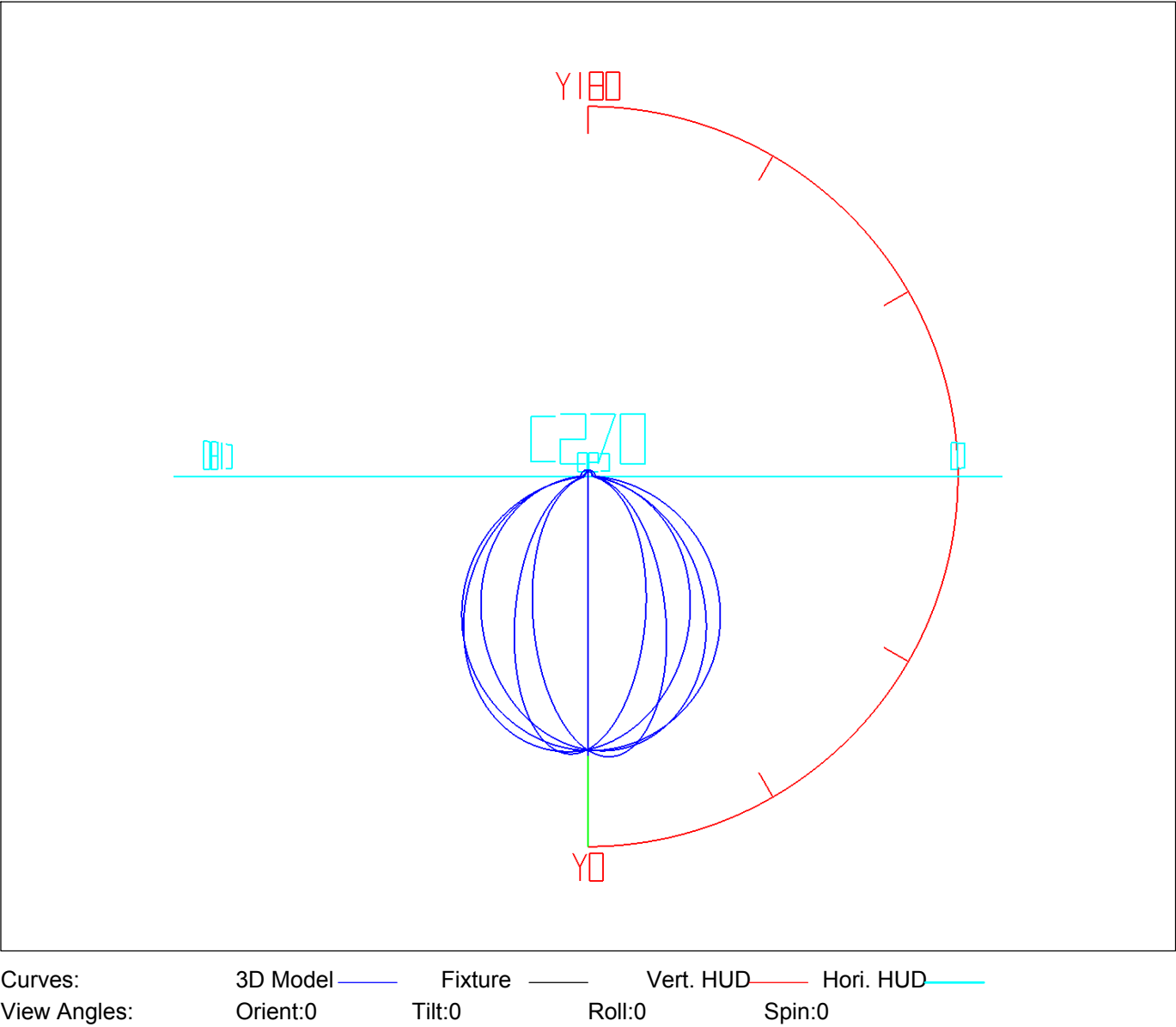
Lum. Name: OE1616F	Lum. Catalog: IP67	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09



3D Light Intensity Distribution Modal

Lum. Name: OE1616F	Lum. Catelog: IP67	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09

3D Light Intensity Distribution Modal



IES Indoor Report

Photometric Filename:OE1616F.IES

Zonal Flux Tabulation

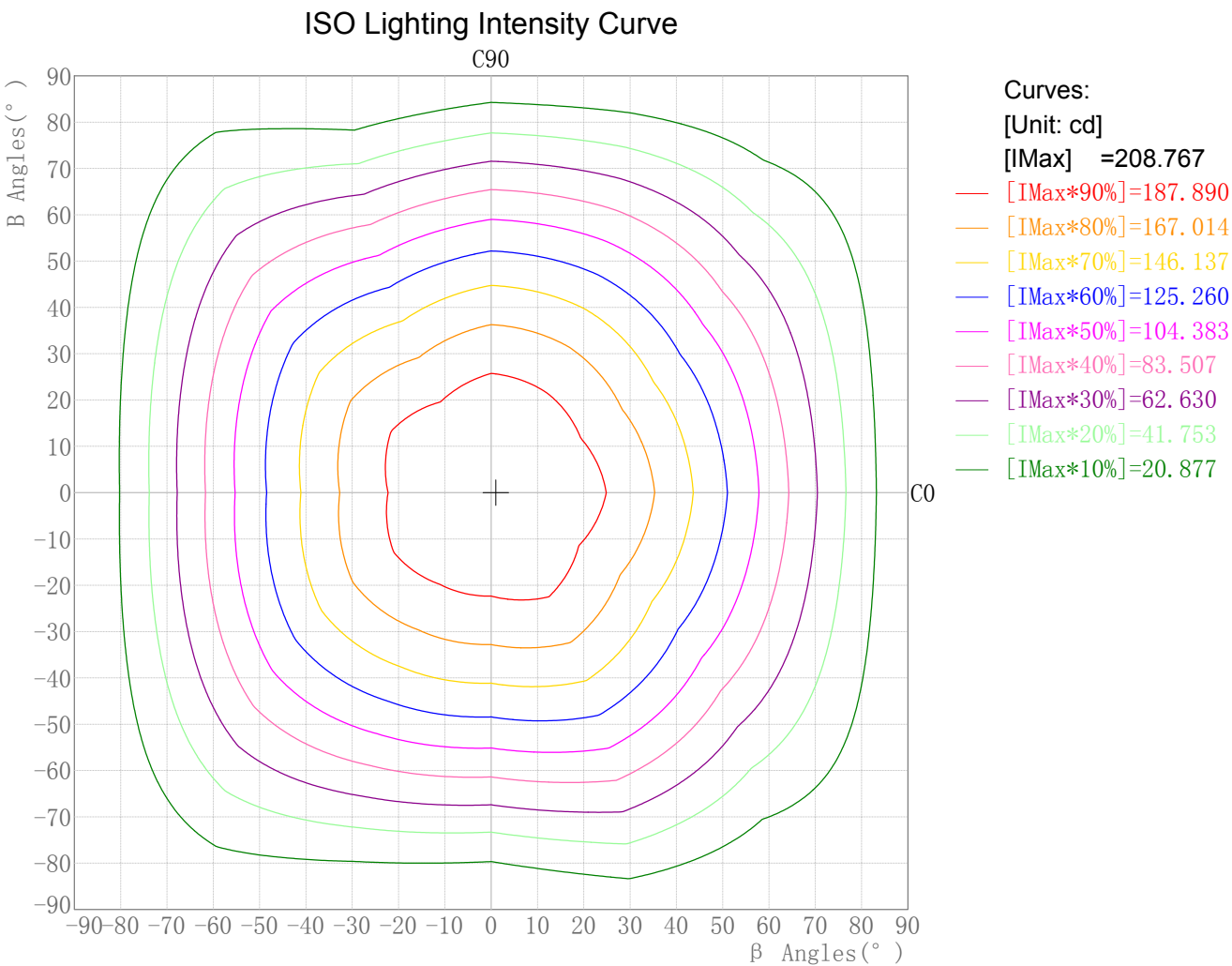
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	0.20	0.20	0.03	0.03	47.0-48.0	10.73	351.59	1.68	54.92
1.0-2.0	0.60	0.80	0.09	0.12	48.0-49.0	10.66	362.25	1.67	56.58
2.0-3.0	0.99	1.79	0.16	0.28	49.0-50.0	10.58	372.84	1.65	58.23
3.0-4.0	1.39	3.18	0.22	0.50	50.0-51.0	10.49	383.33	1.64	59.87
4.0-5.0	1.79	4.97	0.28	0.78	51.0-52.0	10.38	393.71	1.62	61.50
5.0-6.0	2.18	7.14	0.34	1.12	52.0-53.0	10.26	403.97	1.60	63.10
6.0-7.0	2.57	9.71	0.40	1.52	53.0-54.0	10.13	414.10	1.58	64.68
7.0-8.0	2.95	12.66	0.46	1.98	54.0-55.0	9.98	424.09	1.56	66.24
8.0-9.0	3.33	15.99	0.52	2.50	55.0-56.0	9.83	433.91	1.53	67.77
9.0-10.0	3.71	19.70	0.58	3.08	56.0-57.0	9.65	443.57	1.51	69.28
10.0-11.0	4.08	23.78	0.64	3.71	57.0-58.0	9.47	453.03	1.48	70.76
11.0-12.0	4.45	28.22	0.69	4.41	58.0-59.0	9.27	462.30	1.45	72.21
12.0-13.0	4.80	33.03	0.75	5.16	59.0-60.0	9.06	471.37	1.42	73.62
13.0-14.0	5.16	38.19	0.81	5.96	60.0-61.0	8.84	480.21	1.38	75.01
14.0-15.0	5.50	43.69	0.86	6.82	61.0-62.0	8.61	488.82	1.34	76.35
15.0-16.0	5.84	49.53	0.91	7.74	62.0-63.0	8.37	497.18	1.31	77.66
16.0-17.0	6.17	55.71	0.96	8.70	63.0-64.0	8.11	505.30	1.27	78.92
17.0-18.0	6.50	62.20	1.01	9.72	64.0-65.0	7.85	513.15	1.23	80.15
18.0-19.0	6.81	69.01	1.06	10.78	65.0-66.0	7.58	520.72	1.18	81.33
19.0-20.0	7.11	76.12	1.11	11.89	66.0-67.0	7.29	528.01	1.14	82.47
20.0-21.0	7.41	83.53	1.16	13.05	67.0-68.0	7.00	535.01	1.09	83.56
21.0-22.0	7.69	91.22	1.20	14.25	68.0-69.0	6.69	541.70	1.05	84.61
22.0-23.0	7.96	99.18	1.24	15.49	69.0-70.0	6.38	548.09	1.00	85.61
23.0-24.0	8.23	107.41	1.29	16.78	70.0-71.0	6.07	554.15	0.95	86.55
24.0-25.0	8.48	115.89	1.32	18.10	71.0-72.0	5.74	559.89	0.90	87.45
25.0-26.0	8.72	124.61	1.36	19.46	72.0-73.0	5.41	565.31	0.85	88.30
26.0-27.0	8.95	133.56	1.40	20.86	73.0-74.0	5.08	570.39	0.79	89.09
27.0-28.0	9.17	142.73	1.43	22.29	74.0-75.0	4.74	575.13	0.74	89.83
28.0-29.0	9.37	152.10	1.46	23.76	75.0-76.0	4.40	579.54	0.69	90.52
29.0-30.0	9.56	161.67	1.49	25.25	76.0-77.0	4.06	583.60	0.63	91.15
30.0-31.0	9.75	171.41	1.52	26.77	77.0-78.0	3.72	587.32	0.58	91.74
31.0-32.0	9.91	181.32	1.55	28.32	78.0-79.0	3.39	590.71	0.53	92.27
32.0-33.0	10.07	191.39	1.57	29.89	79.0-80.0	3.05	593.77	0.48	92.74
33.0-34.0	10.21	201.60	1.59	31.49	80.0-81.0	2.73	596.49	0.43	93.17
34.0-35.0	10.33	211.93	1.61	33.10	81.0-82.0	2.41	598.90	0.38	93.54
35.0-36.0	10.45	222.38	1.63	34.73	82.0-83.0	2.11	601.01	0.33	93.87
36.0-37.0	10.55	232.93	1.65	36.38	83.0-84.0	1.83	602.84	0.29	94.16
37.0-38.0	10.63	243.56	1.66	38.04	84.0-85.0	1.56	604.40	0.24	94.40
38.0-39.0	10.71	254.27	1.67	39.71	85.0-86.0	1.33	605.73	0.21	94.61
39.0-40.0	10.77	265.03	1.68	41.40	86.0-87.0	1.12	606.85	0.18	94.79
40.0-41.0	10.81	275.84	1.69	43.08	87.0-88.0	0.96	607.81	0.15	94.94
41.0-42.0	10.84	286.68	1.69	44.78	88.0-89.0	0.83	608.64	0.13	95.06
42.0-43.0	10.86	297.54	1.70	46.47	89.0-90.0	0.73	609.37	0.11	95.18
43.0-44.0	10.86	308.40	1.70	48.17	90.0-91.0	0.67	610.04	0.10	95.28
44.0-45.0	10.85	319.25	1.69	49.86	91.0-92.0	0.63	610.67	0.10	95.38
45.0-46.0	10.82	330.07	1.69	51.56	92.0-93.0	0.61	611.29	0.10	95.48
46.0-47.0	10.78	340.86	1.68	53.24	93.0-94.0	0.60	611.89	0.09	95.57

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	0.60	612.49	0.09	95.67	141.0-142.0	0.31	634.21	0.05	99.06
95.0-96.0	0.59	613.08	0.09	95.76	142.0-143.0	0.31	634.52	0.05	99.11
96.0-97.0	0.58	613.66	0.09	95.85	143.0-144.0	0.30	634.81	0.05	99.15
97.0-98.0	0.58	614.24	0.09	95.94	144.0-145.0	0.29	635.10	0.05	99.20
98.0-99.0	0.57	614.81	0.09	96.03	145.0-146.0	0.28	635.39	0.04	99.24
99.0-100.0	0.57	615.38	0.09	96.12	146.0-147.0	0.27	635.66	0.04	99.29
100.0-101.0	0.56	615.94	0.09	96.21	147.0-148.0	0.27	635.93	0.04	99.33
101.0-102.0	0.56	616.50	0.09	96.29	148.0-149.0	0.26	636.19	0.04	99.37
102.0-103.0	0.55	617.05	0.09	96.38	149.0-150.0	0.25	636.44	0.04	99.41
103.0-104.0	0.55	617.60	0.09	96.46	150.0-151.0	0.24	636.69	0.04	99.45
104.0-105.0	0.54	618.14	0.09	96.55	151.0-152.0	0.24	636.92	0.04	99.48
105.0-106.0	0.54	618.68	0.08	96.63	152.0-153.0	0.23	637.15	0.04	99.52
106.0-107.0	0.53	619.22	0.08	96.72	153.0-154.0	0.22	637.37	0.03	99.55
107.0-108.0	0.53	619.75	0.08	96.80	154.0-155.0	0.21	637.58	0.03	99.59
108.0-109.0	0.52	620.27	0.08	96.88	155.0-156.0	0.20	637.79	0.03	99.62
109.0-110.0	0.52	620.79	0.08	96.96	156.0-157.0	0.20	637.99	0.03	99.65
110.0-111.0	0.51	621.31	0.08	97.04	157.0-158.0	0.19	638.17	0.03	99.68
111.0-112.0	0.51	621.81	0.08	97.12	158.0-159.0	0.18	638.36	0.03	99.71
112.0-113.0	0.50	622.32	0.08	97.20	159.0-160.0	0.17	638.53	0.03	99.73
113.0-114.0	0.50	622.82	0.08	97.28	160.0-161.0	0.17	638.69	0.03	99.76
114.0-115.0	0.49	623.31	0.08	97.36	161.0-162.0	0.16	638.85	0.02	99.78
115.0-116.0	0.49	623.80	0.08	97.43	162.0-163.0	0.15	639.00	0.02	99.81
116.0-117.0	0.48	624.28	0.08	97.51	163.0-164.0	0.14	639.14	0.02	99.83
117.0-118.0	0.48	624.75	0.07	97.58	164.0-165.0	0.13	639.27	0.02	99.85
118.0-119.0	0.47	625.22	0.07	97.66	165.0-166.0	0.12	639.39	0.02	99.87
119.0-120.0	0.46	625.68	0.07	97.73	166.0-167.0	0.12	639.51	0.02	99.89
120.0-121.0	0.46	626.14	0.07	97.80	167.0-168.0	0.11	639.62	0.02	99.90
121.0-122.0	0.45	626.59	0.07	97.87	168.0-169.0	0.10	639.71	0.02	99.92
122.0-123.0	0.45	627.04	0.07	97.94	169.0-170.0	0.09	639.80	0.01	99.93
123.0-124.0	0.44	627.48	0.07	98.01	170.0-171.0	0.08	639.89	0.01	99.95
124.0-125.0	0.43	627.91	0.07	98.08	171.0-172.0	0.07	639.96	0.01	99.96
125.0-126.0	0.43	628.34	0.07	98.14	172.0-173.0	0.06	640.02	0.01	99.97
126.0-127.0	0.42	628.75	0.07	98.21	173.0-174.0	0.06	640.08	0.01	99.98
127.0-128.0	0.41	629.17	0.06	98.27	174.0-175.0	0.05	640.13	0.01	99.98
128.0-129.0	0.41	629.57	0.06	98.34	175.0-176.0	0.04	640.16	0.01	99.99
129.0-130.0	0.40	629.97	0.06	98.40	176.0-177.0	0.03	640.19	0.00	99.99
130.0-131.0	0.39	630.36	0.06	98.46	177.0-178.0	0.02	640.22	0.00	100.00
131.0-132.0	0.39	630.75	0.06	98.52	178.0-179.0	0.01	640.23	0.00	100.00
132.0-133.0	0.38	631.13	0.06	98.58	179.0-180.0	0.00	640.23	0.00	100.00
133.0-134.0	0.37	631.50	0.06	98.64	Conical surface Flux(90deg):319.250 %lm = 49.86 %lamp = 49.86				
134.0-135.0	0.36	631.86	0.06	98.69					
135.0-136.0	0.36	632.22	0.06	98.75					
136.0-137.0	0.35	632.57	0.05	98.80					
137.0-138.0	0.34	632.91	0.05	98.86	Conical surface Flux(120deg):471.365 %lm = 73.62 %lamp = 73.62				
138.0-139.0	0.34	633.25	0.05	98.91					
139.0-140.0	0.33	633.58	0.05	98.96					
140.0-141.0	0.32	633.90	0.05	99.01					

Rectangle ISO Lighting Intensity Diagram

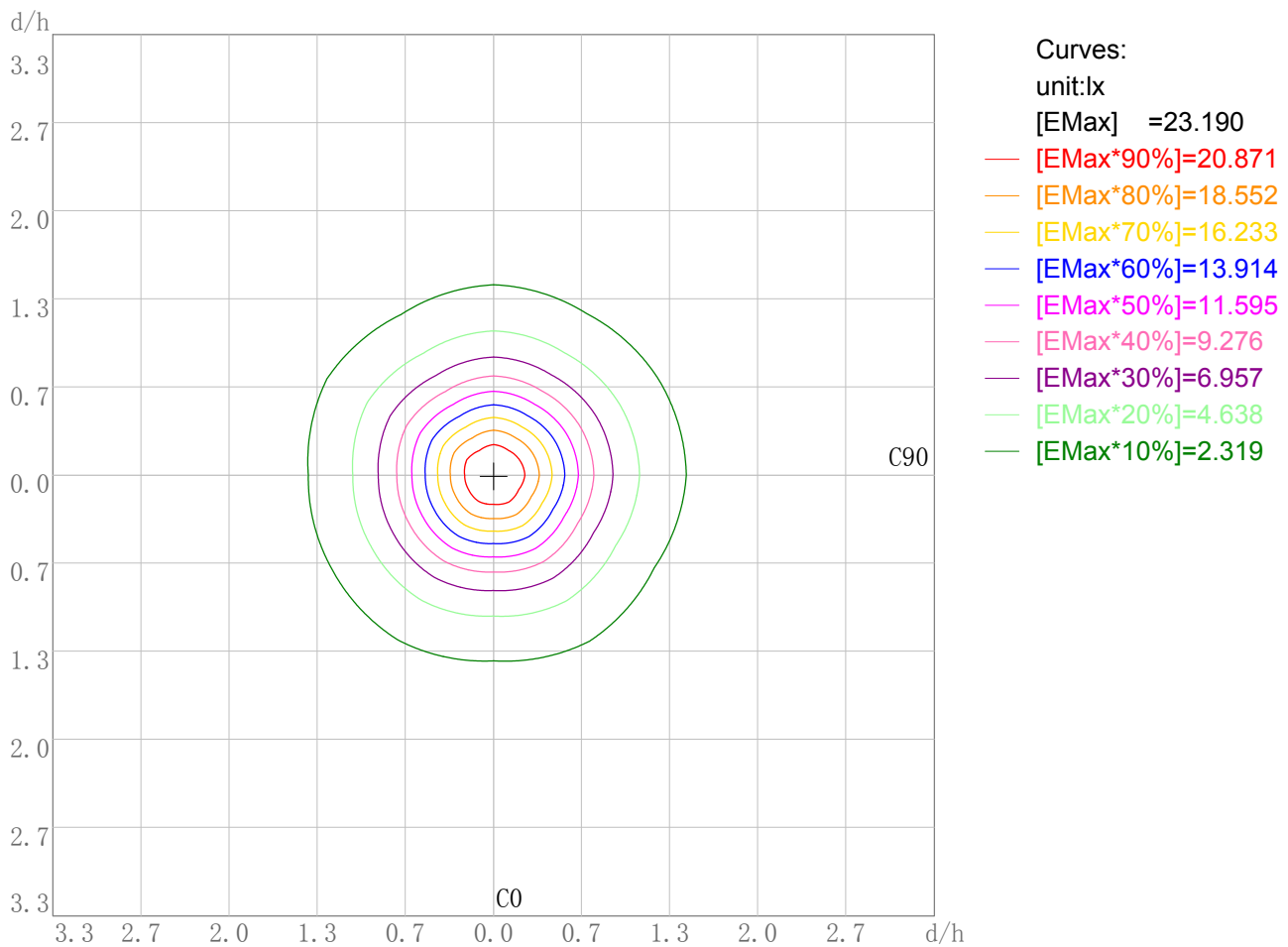
Lum. Name: OE1616F	Lum. Catalog: IP67	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09



Plane ISO-Illuminance Diagram

Lum. Name: OE1616F	Lum. Catelog: IP67	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09

Plane ISO-Illuminance Curve

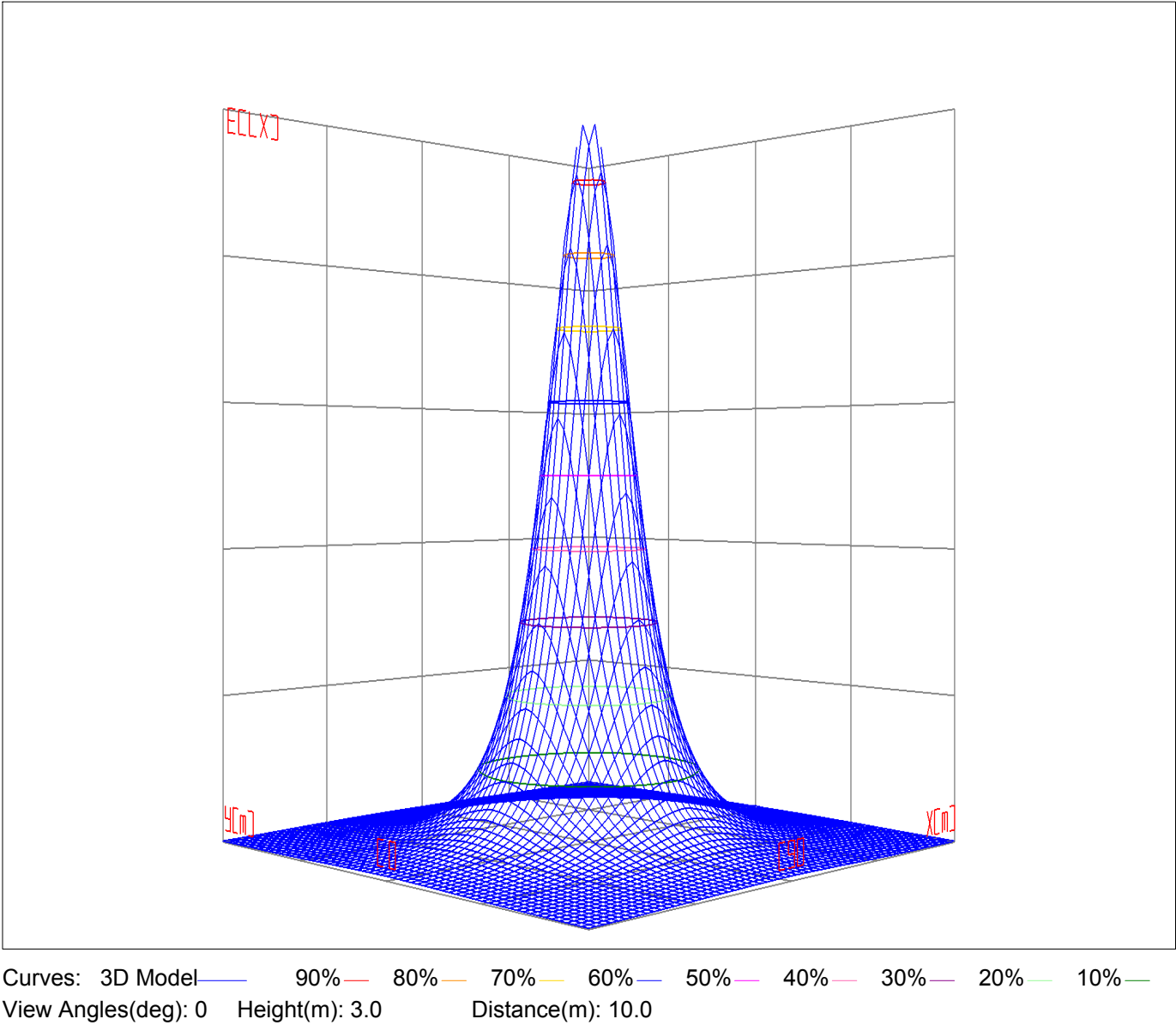


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 23.19
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: OE1616F	Lum. Catelog: IP67	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09

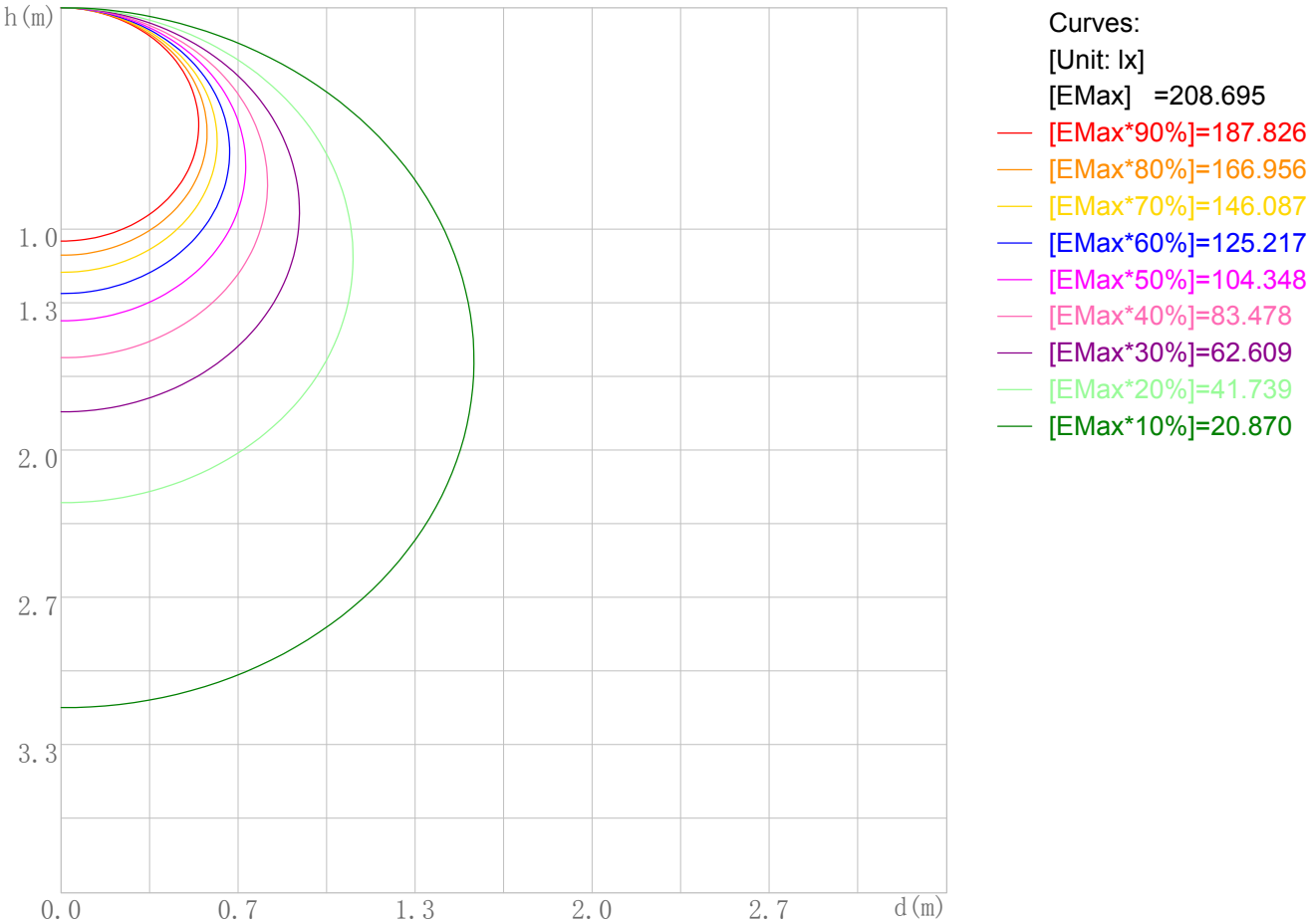
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name: OE1616F	Lum. Catalog: IP67	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09

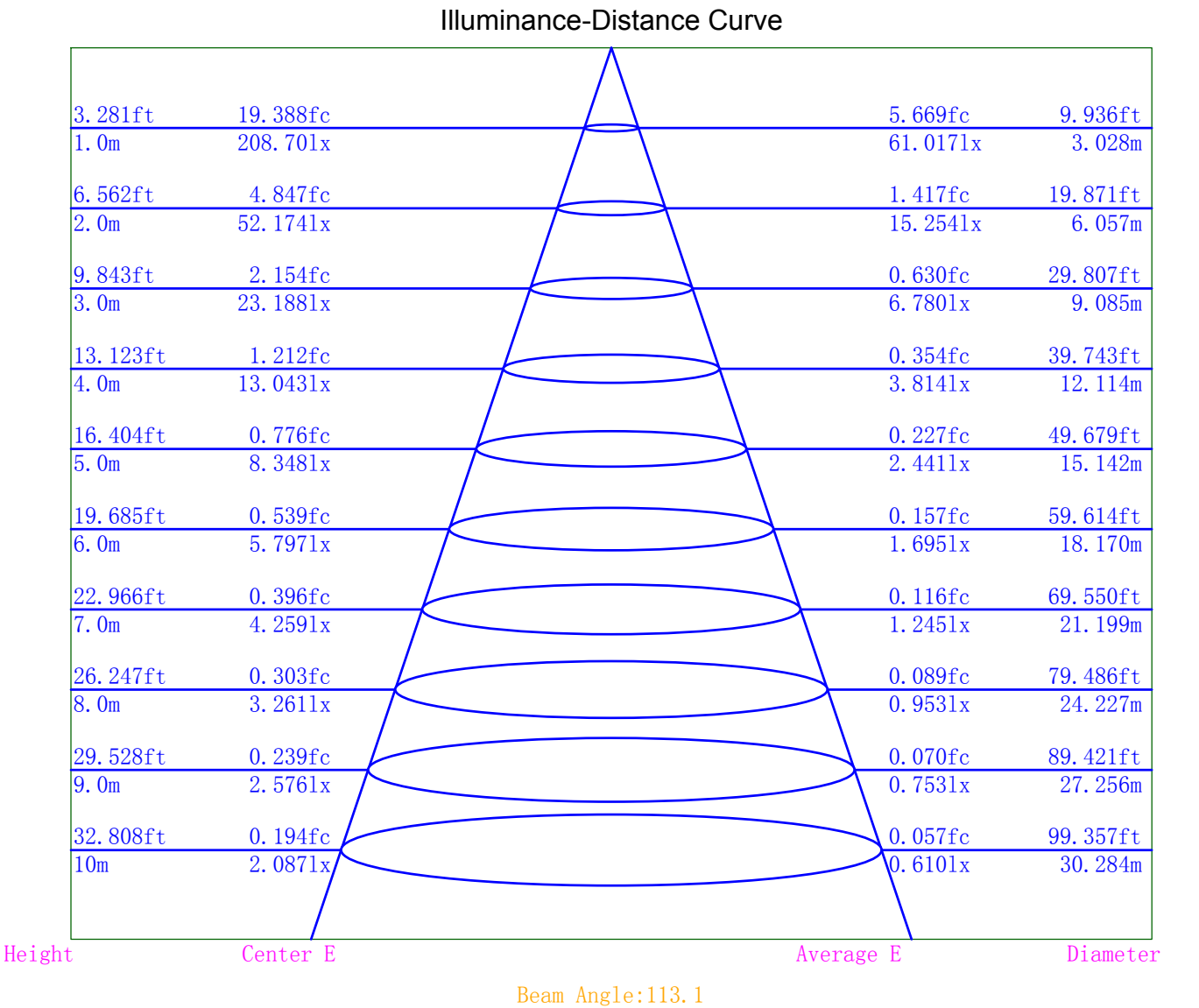
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:208.70lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:208.767cd,0deg

Illuminance-Distance Diagram

Lum. Name: OE1616F	Lum. Catalog: IP67	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09



Indoor Luminance Limiting Curves

Lum. Name: OE1616F	Lum. Catalog: IP67	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09

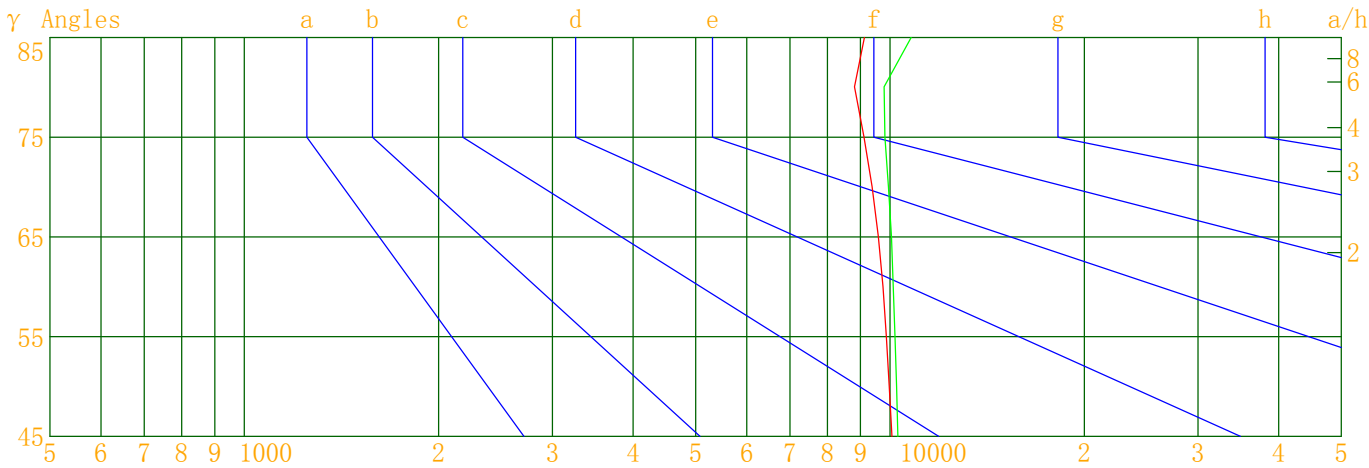
Glare Grade Table

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	10070	9972	9873	9753	9595	9383	9112	8813	9126
C90	10285	10236	10179	10118	10054	9945	9823	9793	10782

Luminance Limiting Curve



Luminous Size:

Length(m)=0.100

Width(m)=0.100

Height(m)=0.100

Area(m^2)=0.020000

Luminous Type:

Without Luminous Side

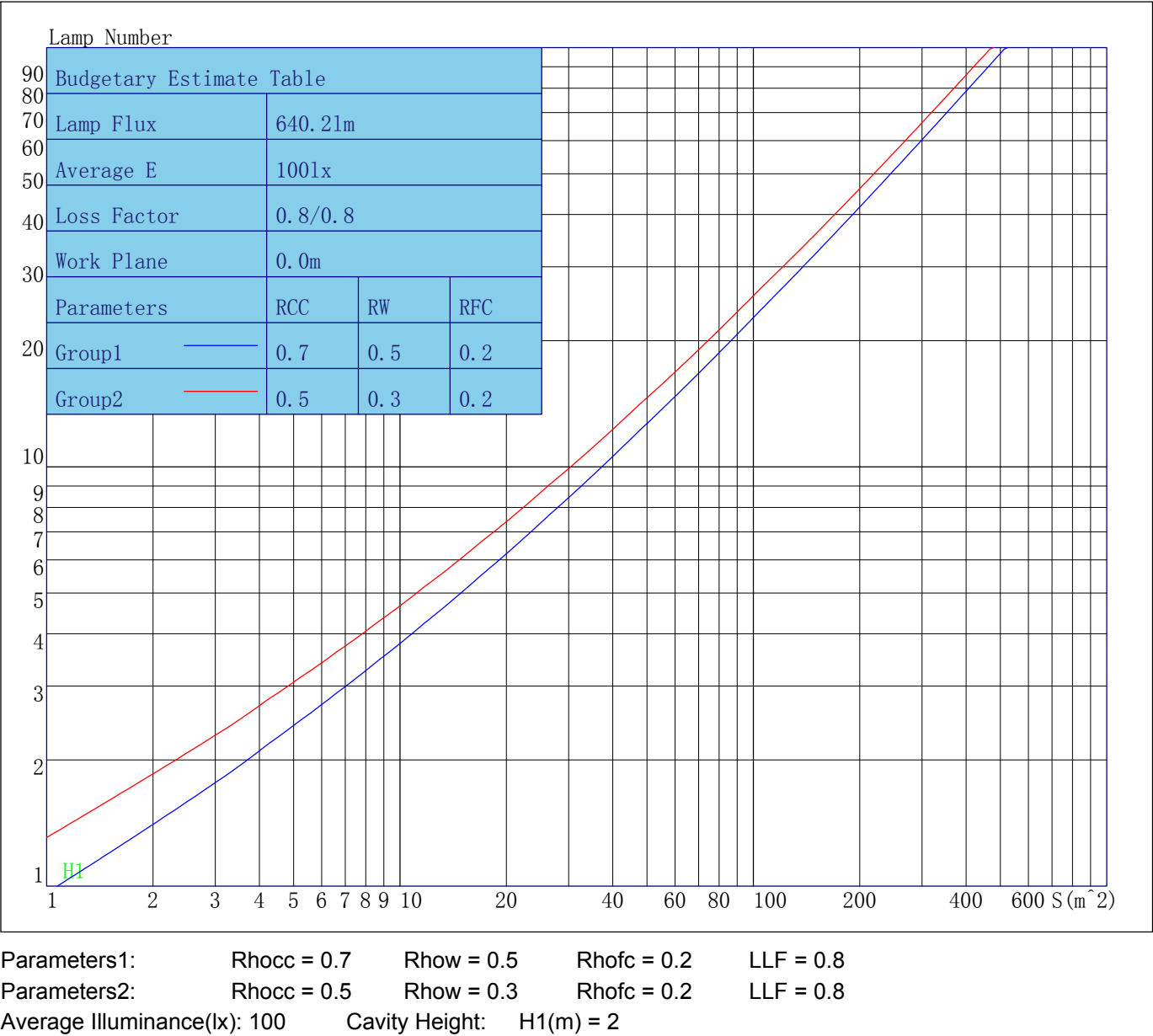
Luminous Curves:

C0-C180 Color: —

C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: OE1616F	Lum. Catalog: IP67	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09



Indoor Coefficient of Utilization Table

Lum. Name: OE1616F	Lum. Catelog: IP67	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	97	89	82	76	94	87	80	75	82	77	72	78	74	70	75	71	68	65
3	89	78	70	63	86	76	68	62	72	66	60	69	63	59	66	61	57	55
4	81	69	60	53	78	67	59	53	64	57	51	61	55	50	58	53	49	47
5	74	61	52	46	72	60	52	45	57	50	44	55	48	43	53	47	42	40
6	69	55	46	40	66	54	46	39	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	43	37	33	31
8	59	46	37	31	57	45	37	31	43	36	30	41	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	32	27	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	35	29	24	34	28	24	22

Unified Glare Rating Table

Lum. Name: OE1616F	Lum. Catelog: IP67	Test ID:
Lamp Name:	Lamp Catelog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2024/07/09

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	19.9	21.4	20.3	21.8	22.3	20.1	21.6	20.5	22.1	22.5
	Y=3H	21.6	23.0	22.1	23.4	23.9	21.9	23.3	22.4	23.7	24.2
	Y=4H	22.4	23.7	22.8	24.1	24.6	22.7	24.0	23.2	24.5	25.0
	Y=6H	23.0	24.2	23.5	24.7	25.2	23.4	24.6	23.9	25.1	25.6
	Y=8H	23.2	24.4	23.7	24.9	25.4	23.6	24.8	24.1	25.3	25.8
	Y=12H	23.4	24.5	23.9	25.0	25.5	23.9	25.0	24.4	25.5	26.0
X=4H	Y=2H	20.7	22.0	21.1	22.4	22.9	20.8	22.1	21.3	22.6	23.1
	Y=3H	22.5	23.6	23.0	24.1	24.6	22.8	23.9	23.3	24.4	24.9
	Y=4H	23.3	24.3	23.9	24.9	25.4	23.7	24.7	24.2	25.2	25.7
	Y=6H	24.1	24.9	24.6	25.5	26.0	24.5	25.3	25.0	25.9	26.4
	Y=8H	24.3	25.1	24.9	25.7	26.3	24.8	25.6	25.3	26.1	26.7
	Y=12H	24.6	25.3	25.1	25.9	26.4	25.1	25.8	25.6	26.4	27.0
X=8H	Y=4H	23.7	24.5	24.2	25.0	25.6	24.0	24.8	24.5	25.3	25.9
	Y=6H	24.5	25.2	25.0	25.7	26.4	24.9	25.6	25.4	26.1	26.8
	Y=8H	24.8	25.4	25.4	26.0	26.6	25.3	25.9	25.9	26.5	27.1
	Y=12H	25.1	25.7	25.7	26.2	26.9	25.7	26.2	26.3	26.8	27.4
X=12H	Y=4H	23.8	24.5	24.3	25.1	25.6	24.0	24.8	24.6	25.3	25.9
	Y=6H	24.6	25.2	25.2	25.7	26.4	25.0	25.6	25.5	26.1	26.8
	Y=8H	24.9	25.5	25.5	26.0	26.7	25.4	25.9	26.0	26.5	27.2
Variations with the objverver position at spacings											
S=1.0H		0.4/-0.4					0.4/-0.4				
S=1.5H		0.8/-0.8					0.7/-0.7				
S=2.0H		0.9/-1.1					0.8/-0.9				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		3.0					3.2				

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

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Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 0.0	208.70	207.91	207.77	208.63	208.38	208.03	208.70	207.91	207.77	208.63	208.38	208.03
γ 1.0	208.77	207.81	207.81	208.72	208.24	208.12	208.57	207.95	207.67	208.48	208.46	207.87
γ 2.0	208.74	207.65	207.77	208.73	208.01	208.13	208.34	207.90	207.48	208.25	208.46	207.64
γ 3.0	208.62	207.41	207.65	208.67	207.71	208.08	208.06	207.76	207.25	207.95	208.40	207.32
γ 4.0	208.44	207.08	207.46	208.53	207.34	207.94	207.68	207.57	206.92	207.55	208.23	206.95
γ 5.0	208.16	206.69	207.20	208.32	206.88	207.73	207.23	207.29	206.53	207.11	208.02	206.49
γ 6.0	207.80	206.23	206.86	208.04	206.38	207.45	206.71	206.93	206.05	206.58	207.70	205.97
γ 7.0	207.38	205.67	206.48	207.68	205.77	207.08	206.12	206.52	205.51	205.98	207.35	205.38
γ 8.0	206.88	205.06	206.00	207.26	205.14	206.68	205.46	206.04	204.89	205.31	206.91	204.70
γ 9.0	206.30	204.36	205.45	206.74	204.41	206.17	204.69	205.48	204.21	204.55	206.40	203.95
γ 10.0	205.63	203.61	204.82	206.16	203.59	205.60	203.86	204.84	203.43	203.75	205.82	203.15
γ 11.0	204.94	202.75	204.14	205.51	202.69	204.95	202.95	204.14	202.59	202.86	205.19	202.25
γ 12.0	204.14	201.83	203.36	204.78	201.77	204.23	202.00	203.35	201.71	201.89	204.45	201.29
γ 13.0	203.25	200.84	202.51	204.01	200.73	203.43	200.95	202.52	200.73	200.85	203.66	200.25
γ 14.0	202.32	199.77	201.60	203.14	199.63	202.56	199.80	201.61	199.68	199.74	202.79	199.14
γ 15.0	201.33	198.64	200.64	202.21	198.46	201.60	198.58	200.62	198.54	198.57	201.87	198.00
γ 16.0	200.26	197.43	199.60	201.20	197.27	200.57	197.31	199.56	197.34	197.33	200.87	196.75
γ 17.0	199.10	196.16	198.47	200.15	195.98	199.51	196.01	198.47	196.13	196.03	199.79	195.44
γ 18.0	197.89	194.82	197.26	198.99	194.59	198.32	194.61	197.29	194.80	194.64	198.64	194.07
γ 19.0	196.62	193.44	196.01	197.77	193.15	197.08	193.12	196.03	193.41	193.22	197.42	192.66
γ 20.0	195.32	191.96	194.72	196.49	191.65	195.79	191.60	194.72	191.94	191.72	196.18	191.12
γ 21.0	193.90	190.40	193.33	195.16	190.10	194.43	190.02	193.35	190.45	190.13	194.82	189.55
γ 22.0	192.44	188.78	191.86	193.74	188.45	192.99	188.35	191.89	188.85	188.47	193.40	187.90
γ 23.0	190.88	187.09	190.32	192.26	186.74	191.46	186.61	190.35	187.18	186.75	191.93	186.25
γ 24.0	189.32	185.41	188.79	190.70	184.97	189.85	184.82	188.74	185.46	185.04	190.41	184.49
γ 25.0	187.67	183.61	187.14	189.09	183.18	188.20	183.02	187.08	183.74	183.19	188.82	182.65
γ 26.0	185.93	181.74	185.42	187.48	181.27	186.54	181.08	185.40	181.89	181.28	187.16	180.75
γ 27.0	184.13	179.83	183.65	185.73	179.32	184.75	179.12	183.61	179.99	179.33	185.41	178.82
γ 28.0	182.27	177.92	181.80	183.94	177.32	182.92	177.11	181.73	178.05	177.39	183.63	176.90
γ 29.0	180.41	175.88	179.99	182.08	175.26	181.03	175.05	179.80	176.04	175.33	181.83	174.84
γ 30.0	178.44	173.80	178.05	180.21	173.19	179.13	172.98	177.88	174.04	173.20	179.92	172.75
γ 31.0	176.42	171.63	176.04	178.26	171.02	177.16	170.81	175.85	171.91	171.01	177.97	170.57
γ 32.0	174.32	169.49	173.98	176.24	168.76	175.14	168.57	173.75	169.72	168.82	175.96	168.42
γ 33.0	172.22	167.26	171.93	174.15	166.45	173.01	166.30	171.61	167.49	166.54	173.93	166.14
γ 34.0	170.00	164.93	169.75	172.02	164.16	170.85	164.03	169.47	165.26	164.18	171.81	163.80
γ 35.0	167.74	162.60	167.55	169.89	161.76	168.68	161.65	167.23	162.94	161.77	169.61	161.42
γ 36.0	165.40	160.19	165.26	167.66	159.32	166.40	159.24	164.89	160.54	159.33	167.40	159.04
γ 37.0	163.03	157.81	162.95	165.35	156.79	164.09	156.74	162.55	158.10	156.90	165.18	156.62
γ 38.0	160.67	155.31	160.67	163.03	154.22	161.72	154.19	160.17	155.62	154.37	162.87	154.11
γ 39.0	158.18	152.76	158.24	160.69	151.69	159.38	151.69	157.79	153.15	151.76	160.46	151.52
γ 40.0	155.64	150.16	155.76	158.26	149.03	156.90	149.02	155.31	150.57	149.11	158.03	148.87
γ 41.0	153.06	147.61	153.23	155.76	146.34	154.39	146.36	152.77	147.94	146.51	155.55	146.31
γ 42.0	150.53	144.93	150.73	153.22	143.63	151.82	143.66	150.18	145.31	143.81	153.09	143.62
γ 43.0	147.86	142.20	148.11	150.72	140.96	149.31	140.98	147.65	142.69	141.02	150.54	140.87
γ 44.0	145.16	139.43	145.47	148.11	138.17	146.68	138.18	145.01	139.94	138.20	147.90	138.08
γ 45.0	142.42	136.71	142.77	145.45	135.30	143.99	135.33	142.30	137.16	135.43	145.23	135.31
γ 46.0	139.70	133.86	140.10	142.75	132.39	141.26	132.42	139.54	134.32	132.51	142.62	132.42

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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	136. 87	130. 98	137. 32	139. 99	129. 58	138. 49	129. 51	136. 74	131. 45	129. 56	139. 88	129. 50
γ 48. 0	134. 02	128. 08	134. 46	137. 29	126. 65	135. 74	126. 69	133. 98	128. 64	126. 59	137. 08	126. 58
γ 49. 0	131. 13	125. 14	131. 59	134. 45	123. 63	132. 88	123. 69	131. 10	125. 69	123. 53	134. 24	123. 58
γ 50. 0	128. 20	122. 23	128. 68	131. 59	120. 58	130. 02	120. 69	128. 20	122. 72	120. 57	131. 38	120. 66
γ 51. 0	125. 33	119. 18	125. 80	128. 67	117. 50	127. 08	117. 65	125. 26	119. 71	117. 47	128. 55	117. 60
γ 52. 0	122. 33	116. 09	122. 80	125. 81	114. 46	124. 20	114. 65	122. 36	116. 76	114. 31	125. 59	114. 49
γ 53. 0	119. 30	113. 00	119. 77	122. 84	111. 33	121. 20	111. 58	119. 36	113. 68	111. 17	122. 61	111. 43
γ 54. 0	116. 25	110. 01	116. 72	119. 82	108. 14	118. 15	108. 46	116. 30	110. 63	108. 08	119. 59	108. 40
γ 55. 0	113. 26	106. 83	113. 73	116. 77	104. 93	115. 08	105. 27	113. 21	107. 47	104. 82	116. 64	105. 19
γ 56. 0	110. 18	103. 63	110. 67	113. 79	101. 76	112. 13	102. 15	110. 28	104. 40	101. 55	113. 57	101. 96
γ 57. 0	107. 03	100. 39	107. 48	110. 71	98. 47	109. 01	98. 91	107. 12	101. 21	98. 24	110. 48	98. 69
γ 58. 0	103. 85	97. 12	104. 30	107. 56	95. 14	105. 85	95. 64	103. 95	97. 96	94. 89	107. 32	95. 37
γ 59. 0	100. 65	93. 95	101. 10	104. 39	91. 79	102. 66	92. 36	100. 77	94. 69	91. 64	104. 17	92. 15
γ 60. 0	97. 53	90. 63	97. 93	101. 18	88. 43	99. 42	89. 05	97. 56	91. 40	88. 26	101. 07	88. 82
γ 61. 0	94. 27	87. 26	94. 66	98. 06	85. 13	96. 28	85. 80	94. 41	88. 16	84. 82	97. 81	85. 43
γ 62. 0	91. 00	83. 89	91. 39	94. 81	81. 70	93. 04	82. 43	91. 16	84. 83	81. 36	94. 55	82. 02
γ 63. 0	87. 68	80. 60	88. 06	91. 52	78. 25	89. 71	79. 06	87. 85	81. 43	78. 00	91. 27	78. 70
γ 64. 0	84. 44	77. 16	84. 83	88. 20	74. 75	86. 40	75. 64	84. 52	78. 03	74. 50	88. 08	75. 21
γ 65. 0	81. 10	73. 71	81. 46	84. 98	71. 37	83. 16	72. 33	81. 28	74. 73	70. 98	84. 77	71. 72
γ 66. 0	77. 75	70. 26	78. 05	81. 60	67. 86	79. 78	68. 89	77. 91	71. 31	67. 47	81. 41	68. 22
γ 67. 0	74. 33	66. 88	74. 59	78. 20	64. 31	76. 40	65. 41	74. 49	67. 87	64. 03	78. 04	64. 79
γ 68. 0	71. 04	63. 39	71. 15	74. 80	60. 78	73. 01	61. 91	71. 07	64. 39	60. 47	74. 76	61. 26
γ 69. 0	67. 63	59. 88	67. 79	71. 37	57. 22	69. 59	58. 39	67. 74	60. 91	56. 89	71. 36	57. 72
γ 70. 0	64. 18	56. 35	64. 29	68. 03	53. 77	66. 27	54. 98	64. 26	57. 50	53. 30	67. 93	54. 20
γ 71. 0	60. 76	52. 85	60. 81	64. 57	50. 21	62. 83	51. 51	60. 79	54. 01	49. 74	64. 51	50. 67
γ 72. 0	57. 33	49. 46	57. 33	61. 10	46. 70	59. 38	48. 00	57. 30	50. 52	46. 33	61. 06	47. 28
γ 73. 0	54. 00	45. 96	53. 95	57. 64	43. 17	55. 96	44. 53	53. 83	47. 02	42. 80	57. 71	43. 78
γ 74. 0	50. 60	42. 50	50. 47	54. 30	39. 80	52. 67	41. 17	50. 48	43. 68	39. 29	54. 28	40. 29
γ 75. 0	47. 17	39. 06	46. 98	50. 85	36. 33	49. 25	37. 71	47. 05	40. 22	35. 82	50. 82	36. 83
γ 76. 0	43. 79	35. 74	43. 55	47. 39	32. 91	45. 87	34. 30	43. 63	36. 77	32. 49	47. 37	33. 53
γ 77. 0	40. 51	32. 36	40. 24	43. 99	29. 60	42. 48	30. 96	40. 22	33. 40	29. 18	44. 10	30. 19
γ 78. 0	37. 15	29. 10	36. 88	40. 67	26. 39	39. 22	27. 69	36. 93	30. 11	25. 94	40. 67	26. 94
γ 79. 0	33. 84	25. 88	33. 53	37. 30	23. 32	35. 90	24. 61	33. 60	26. 98	22. 79	37. 29	23. 76
γ 80. 0	30. 61	22. 89	30. 27	34. 01	20. 30	32. 62	21. 55	30. 37	23. 84	19. 88	33. 99	20. 82
γ 81. 0	27. 39	19. 90	27. 07	30. 73	17. 44	29. 38	18. 62	27. 17	20. 82	17. 03	30. 71	17. 94
γ 82. 0	24. 40	17. 08	24. 10	27. 55	14. 77	26. 24	15. 85	24. 08	17. 94	14. 38	27. 63	15. 24
γ 83. 0	21. 41	14. 47	21. 15	24. 56	12. 43	23. 31	13. 40	21. 23	15. 34	11. 98	24. 57	12. 78
γ 84. 0	18. 57	12. 09	18. 38	21. 60	10. 30	20. 38	11. 08	18. 40	12. 88	9. 89	21. 58	10. 59
γ 85. 0	15. 91	10. 05	15. 80	18. 79	8. 46	17. 64	9. 04	15. 78	10. 67	8. 15	18. 79	8. 73
γ 86. 0	13. 54	8. 25	13. 56	16. 18	7. 02	15. 10	7. 38	13. 43	8. 78	6. 72	16. 28	7. 21
γ 87. 0	11. 34	6. 85	11. 51	13. 86	6. 05	12. 85	6. 15	11. 37	7. 29	5. 77	13. 89	6. 06
γ 88. 0	9. 45	5. 86	9. 80	11. 71	5. 40	10. 82	5. 27	9. 56	6. 17	5. 13	11. 77	5. 40
γ 89. 0	7. 90	5. 38	8. 45	9. 89	5. 09	9. 10	4. 95	8. 11	5. 50	4. 83	9. 99	5. 12
γ 90. 0	6. 78	5. 22	7. 57	8. 40	4. 98	7. 75	4. 86	7. 08	5. 15	4. 72	8. 50	5. 04
γ 91. 0	6. 05	5. 11	7. 06	7. 33	4. 91	6. 86	4. 76	6. 53	5. 02	4. 67	7. 51	4. 98
γ 92. 0	5. 76	5. 02	6. 83	6. 70	4. 86	6. 38	4. 66	6. 33	4. 95	4. 62	6. 91	4. 93
γ 93. 0	5. 72	4. 90	6. 76	6. 35	4. 80	6. 23	4. 52	6. 29	4. 91	4. 58	6. 60	4. 88

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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	5. 69	4. 76	6. 74	6. 21	4. 74	6. 20	4. 36	6. 28	4. 86	4. 53	6. 51	4. 84
γ 95. 0	5. 68	4. 63	6. 71	6. 17	4. 69	6. 19	4. 16	6. 26	4. 82	4. 50	6. 48	4. 80
γ 96. 0	5. 66	4. 49	6. 68	6. 16	4. 65	6. 19	3. 99	6. 25	4. 80	4. 46	6. 45	4. 76
γ 97. 0	5. 67	4. 36	6. 66	6. 15	4. 60	6. 18	3. 81	6. 24	4. 76	4. 42	6. 45	4. 75
γ 98. 0	5. 64	4. 26	6. 64	6. 14	4. 56	6. 18	3. 64	6. 22	4. 74	4. 38	6. 46	4. 69
γ 99. 0	5. 64	4. 16	6. 63	6. 14	4. 52	6. 19	3. 50	6. 22	4. 71	4. 34	6. 46	4. 65
γ 100. 0	5. 60	4. 11	6. 60	6. 13	4. 47	6. 18	3. 39	6. 20	4. 68	4. 30	6. 45	4. 61
γ 101. 0	5. 56	4. 08	6. 59	6. 14	4. 43	6. 18	3. 29	6. 18	4. 65	4. 27	6. 46	4. 60
γ 102. 0	5. 51	4. 07	6. 56	6. 14	4. 39	6. 18	3. 29	6. 16	4. 62	4. 25	6. 44	4. 57
γ 103. 0	5. 48	4. 04	6. 55	6. 14	4. 35	6. 15	3. 28	6. 14	4. 58	4. 22	6. 44	4. 52
γ 104. 0	5. 49	4. 02	6. 52	6. 14	4. 30	6. 13	3. 27	6. 12	4. 56	4. 19	6. 44	4. 49
γ 105. 0	5. 49	4. 00	6. 50	6. 15	4. 24	6. 09	3. 27	6. 11	4. 53	4. 15	6. 45	4. 44
γ 106. 0	5. 49	3. 98	6. 47	6. 14	4. 19	6. 05	3. 26	6. 10	4. 51	4. 11	6. 44	4. 39
γ 107. 0	5. 49	3. 95	6. 43	6. 15	4. 14	6. 04	3. 27	6. 10	4. 47	4. 07	6. 43	4. 32
γ 108. 0	5. 49	3. 91	6. 41	6. 14	4. 10	6. 05	3. 26	6. 10	4. 44	4. 02	6. 42	4. 29
γ 109. 0	5. 49	3. 89	6. 38	6. 12	4. 07	6. 05	3. 24	6. 10	4. 39	4. 01	6. 41	4. 26
γ 110. 0	5. 50	3. 88	6. 35	6. 13	4. 03	6. 01	3. 24	6. 09	4. 35	3. 98	6. 40	4. 21
γ 111. 0	5. 52	3. 86	6. 33	6. 12	4. 00	6. 02	3. 23	6. 07	4. 29	3. 95	6. 40	4. 17
γ 112. 0	5. 49	3. 82	6. 31	6. 10	3. 97	6. 05	3. 22	6. 06	4. 23	3. 93	6. 39	4. 15
γ 113. 0	5. 50	3. 81	6. 28	6. 11	3. 93	6. 02	3. 22	6. 07	4. 16	3. 91	6. 36	4. 15
γ 114. 0	5. 51	3. 81	6. 24	6. 11	3. 91	6. 00	3. 22	6. 03	4. 11	3. 89	6. 32	4. 14
γ 115. 0	5. 50	3. 81	6. 23	6. 09	3. 89	6. 01	3. 23	6. 01	4. 04	3. 87	6. 29	4. 13
γ 116. 0	5. 51	3. 79	6. 20	6. 09	3. 87	6. 05	3. 22	5. 98	4. 01	3. 86	6. 25	4. 10
γ 117. 0	5. 52	3. 76	6. 19	6. 08	3. 86	6. 05	3. 21	5. 99	3. 96	3. 84	6. 22	4. 08
γ 118. 0	5. 50	3. 76	6. 18	6. 07	3. 83	6. 04	3. 20	5. 96	3. 93	3. 83	6. 20	4. 06
γ 119. 0	5. 51	3. 74	6. 17	6. 06	3. 81	6. 03	3. 21	5. 94	3. 89	3. 81	6. 17	4. 03
γ 120. 0	5. 51	3. 73	6. 14	6. 05	3. 80	6. 03	3. 20	5. 92	3. 87	3. 80	6. 14	4. 01
γ 121. 0	5. 50	3. 70	6. 12	6. 04	3. 79	6. 01	3. 20	5. 89	3. 84	3. 79	6. 11	3. 98
γ 122. 0	5. 50	3. 68	6. 11	6. 03	3. 77	6. 02	3. 21	5. 88	3. 82	3. 78	6. 10	3. 95
γ 123. 0	5. 50	3. 66	6. 08	6. 00	3. 75	6. 01	3. 20	5. 85	3. 80	3. 77	6. 07	3. 94
γ 124. 0	5. 50	3. 64	6. 07	5. 99	3. 73	5. 99	3. 20	5. 84	3. 78	3. 75	6. 06	3. 92
γ 125. 0	5. 52	3. 62	6. 05	5. 97	3. 71	5. 98	3. 21	5. 81	3. 76	3. 74	6. 05	3. 90
γ 126. 0	5. 51	3. 61	6. 04	5. 96	3. 71	5. 97	3. 21	5. 80	3. 75	3. 74	6. 03	3. 86
γ 127. 0	5. 51	3. 59	6. 02	5. 94	3. 69	5. 95	3. 22	5. 80	3. 73	3. 72	6. 02	3. 82
γ 128. 0	5. 49	3. 57	5. 98	5. 93	3. 68	5. 94	3. 21	5. 78	3. 72	3. 73	6. 01	3. 78
γ 129. 0	5. 49	3. 56	5. 98	5. 91	3. 68	5. 93	3. 22	5. 75	3. 71	3. 72	5. 99	3. 74
γ 130. 0	5. 48	3. 56	5. 95	5. 89	3. 66	5. 90	3. 22	5. 74	3. 69	3. 70	5. 97	3. 72
γ 131. 0	5. 45	3. 54	5. 93	5. 87	3. 66	5. 88	3. 23	5. 72	3. 68	3. 70	5. 96	3. 71
γ 132. 0	5. 45	3. 54	5. 92	5. 86	3. 65	5. 86	3. 25	5. 71	3. 66	3. 70	5. 93	3. 68
γ 133. 0	5. 44	3. 53	5. 88	5. 83	3. 65	5. 85	3. 26	5. 69	3. 66	3. 70	5. 92	3. 67
γ 134. 0	5. 43	3. 53	5. 86	5. 81	3. 64	5. 84	3. 26	5. 66	3. 65	3. 69	5. 90	3. 65
γ 135. 0	5. 42	3. 55	5. 84	5. 80	3. 63	5. 81	3. 27	5. 64	3. 64	3. 70	5. 87	3. 63
γ 136. 0	5. 41	3. 54	5. 82	5. 78	3. 63	5. 80	3. 29	5. 60	3. 63	3. 70	5. 86	3. 63
γ 137. 0	5. 41	3. 53	5. 80	5. 75	3. 65	5. 78	3. 29	5. 58	3. 64	3. 71	5. 83	3. 62
γ 138. 0	5. 38	3. 54	5. 77	5. 74	3. 65	5. 76	3. 31	5. 55	3. 64	3. 71	5. 81	3. 63
γ 139. 0	5. 38	3. 55	5. 76	5. 69	3. 65	5. 74	3. 33	5. 53	3. 64	3. 73	5. 80	3. 62
γ 140. 0	5. 37	3. 56	5. 71	5. 64	3. 65	5. 72	3. 35	5. 51	3. 65	3. 74	5. 77	3. 62

IES Indoor Report

Photometric Filename:OE1616F.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 141. 0	5.36	3.58	5.65	5.59	3.66	5.71	3.38	5.49	3.65	3.75	5.74	3.62
γ 142. 0	5.36	3.55	5.61	5.58	3.63	5.68	3.39	5.48	3.66	3.76	5.72	3.61
γ 143. 0	5.33	3.48	5.56	5.58	3.60	5.64	3.43	5.46	3.65	3.76	5.69	3.61
γ 144. 0	5.32	3.47	5.53	5.59	3.57	5.61	3.44	5.44	3.66	3.77	5.67	3.61
γ 145. 0	5.30	3.51	5.52	5.58	3.58	5.57	3.46	5.40	3.67	3.79	5.65	3.61
γ 146. 0	5.29	3.52	5.50	5.56	3.59	5.55	3.47	5.38	3.68	3.78	5.63	3.61
γ 147. 0	5.29	3.53	5.47	5.55	3.60	5.51	3.50	5.35	3.69	3.80	5.60	3.60
γ 148. 0	5.28	3.56	5.46	5.52	3.61	5.49	3.52	5.34	3.71	3.81	5.58	3.60
γ 149. 0	5.26	3.57	5.43	5.51	3.62	5.44	3.54	5.32	3.72	3.81	5.55	3.61
γ 150. 0	5.25	3.59	5.40	5.48	3.64	5.41	3.57	5.30	3.73	3.83	5.53	3.61
γ 151. 0	5.22	3.62	5.37	5.46	3.65	5.37	3.59	5.25	3.75	3.85	5.50	3.62
γ 152. 0	5.21	3.63	5.33	5.43	3.69	5.34	3.62	5.25	3.76	3.86	5.47	3.62
γ 153. 0	5.20	3.66	5.28	5.40	3.71	5.31	3.64	5.22	3.77	3.86	5.43	3.64
γ 154. 0	5.18	3.68	5.25	5.38	3.73	5.25	3.66	5.18	3.78	3.88	5.39	3.65
γ 155. 0	5.15	3.72	5.24	5.35	3.75	5.21	3.69	5.15	3.80	3.92	5.35	3.69
γ 156. 0	5.13	3.74	5.22	5.32	3.79	5.17	3.73	5.12	3.82	3.92	5.32	3.74
γ 157. 0	5.12	3.77	5.21	5.29	3.84	5.16	3.74	5.11	3.84	3.94	5.27	3.77
γ 158. 0	5.11	3.80	5.19	5.27	3.89	5.13	3.78	5.07	3.86	3.96	5.24	3.80
γ 159. 0	5.07	3.82	5.18	5.23	3.92	5.12	3.80	5.03	3.88	3.98	5.21	3.83
γ 160. 0	5.06	3.86	5.15	5.21	3.95	5.10	3.83	5.01	3.91	4.00	5.19	3.84
γ 161. 0	5.04	3.88	5.12	5.18	3.97	5.08	3.86	4.97	3.92	4.03	5.17	3.88
γ 162. 0	5.01	3.90	5.09	5.14	3.98	5.05	3.91	4.95	3.94	4.04	5.13	3.90
γ 163. 0	5.00	3.93	5.06	5.12	4.01	5.02	3.94	4.93	3.94	4.05	5.07	3.93
γ 164. 0	4.96	3.97	5.01	5.09	4.04	5.00	3.96	4.90	3.97	4.08	5.03	3.95
γ 165. 0	4.93	3.99	4.97	5.04	4.07	4.97	3.99	4.88	3.99	4.11	5.00	3.99
γ 166. 0	4.91	4.03	4.94	5.01	4.09	4.95	4.03	4.86	4.02	4.12	4.98	4.01
γ 167. 0	4.89	4.05	4.89	4.98	4.12	4.91	4.05	4.83	4.05	4.13	4.96	4.05
γ 168. 0	4.86	4.09	4.84	4.93	4.16	4.90	4.09	4.80	4.08	4.15	4.90	4.09
γ 169. 0	4.84	4.12	4.82	4.89	4.18	4.86	4.13	4.77	4.11	4.17	4.85	4.12
γ 170. 0	4.81	4.14	4.77	4.85	4.20	4.83	4.17	4.74	4.14	4.20	4.82	4.15
γ 171. 0	4.78	4.17	4.73	4.80	4.24	4.79	4.20	4.72	4.18	4.23	4.80	4.20
γ 172. 0	4.76	4.20	4.70	4.77	4.27	4.78	4.23	4.69	4.22	4.25	4.78	4.24
γ 173. 0	4.73	4.24	4.66	4.73	4.30	4.74	4.27	4.66	4.25	4.28	4.74	4.28
γ 174. 0	4.71	4.27	4.64	4.70	4.34	4.70	4.31	4.64	4.27	4.32	4.71	4.31
γ 175. 0	4.67	4.32	4.61	4.67	4.38	4.68	4.33	4.61	4.31	4.35	4.68	4.35
γ 176. 0	4.64	4.36	4.59	4.64	4.39	4.65	4.38	4.58	4.34	4.38	4.65	4.39
γ 177. 0	4.59	4.39	4.57	4.62	4.41	4.62	4.41	4.55	4.37	4.42	4.61	4.43
γ 178. 0	4.58	4.42	4.52	4.57	4.45	4.59	4.44	4.52	4.40	4.46	4.59	4.44
γ 179. 0	4.54	4.45	4.50	4.53	4.48	4.55	4.47	4.49	4.42	4.48	4.56	4.49
γ 180. 0	4.51	4.47	4.47	4.51	4.52	4.52	4.51	4.47	4.44	4.50	4.51	4.51
