

# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

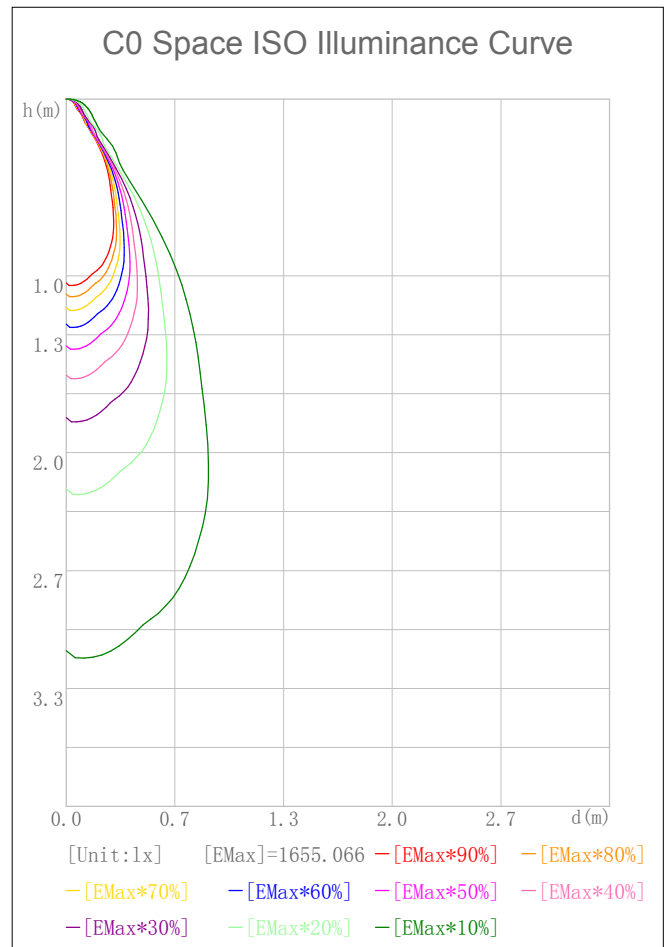
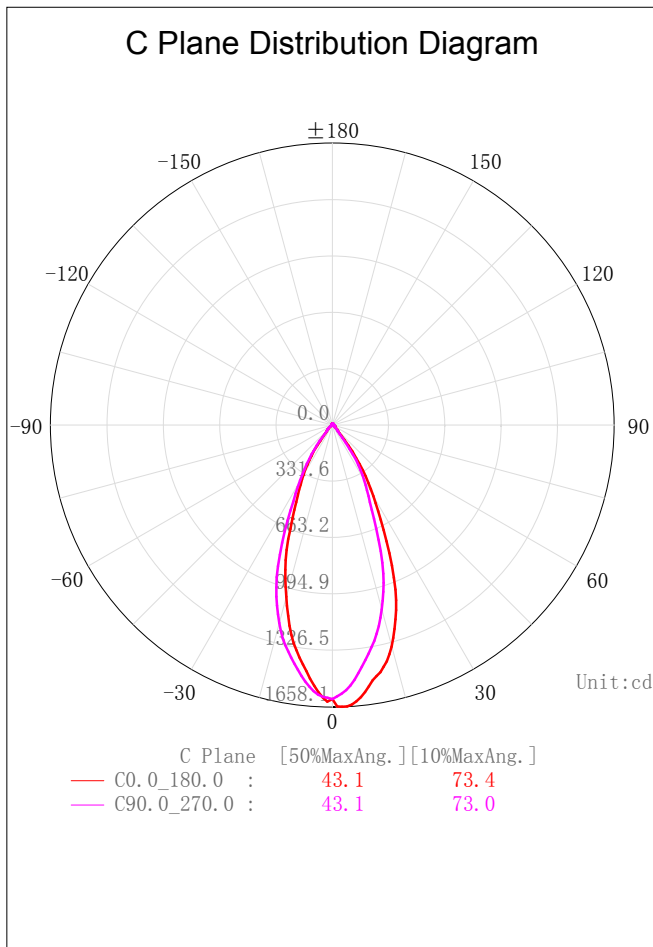
## Indoor Luminaire Photometric Data

### Description Information

Luminaire Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Date: 2023/07/01
Manufacture: -	Shld. Ang(°):60	Test Machine:GON-2000
Test Lab: Test	Frequency(Hz):50	Lamp CCT(K): 3000 Ra: 90
Lum. Size (W*L*H):0.066m*0.066m*0.000m	Lum. Area(m2):0.003	Lum. W(kg): 0.000
Test System: C, $\gamma$	Test Step: C=22.5 $\gamma$ =1.0	Temp. (°C): 25
		Humidity(%): 50.0

### Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 948.000	Luminaire Flux(lm): 948.457	Field Angle(10%Imax): 73.4(°)	
Rated Power(W): 15	Luminaire Efficiency: 100.05%	Down Lumens&Percent: 926.121lm 97.65%	
Rated Voltage(V): 220	Luminaire EER(lm/W): 67.941	Up Lumens&Percent: 22.336lm 2.35%	
Tested Power(W): 13.960	Max. Candela(cd): 1658.094	S/MH: C0_a180=0.707 C90_270=0.695	
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 $\gamma$ =2.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):220.7, 0.108, 0.581	Beam Angle(50%Imax): 43.1(°)	ErP $\Phi$ use(90°): 882.844lm	
Lamp Size(W*L*H):0.066m*0.066m*0.000m	Left=-19.2°, Right=23.9°	IRF(%): 352.766	



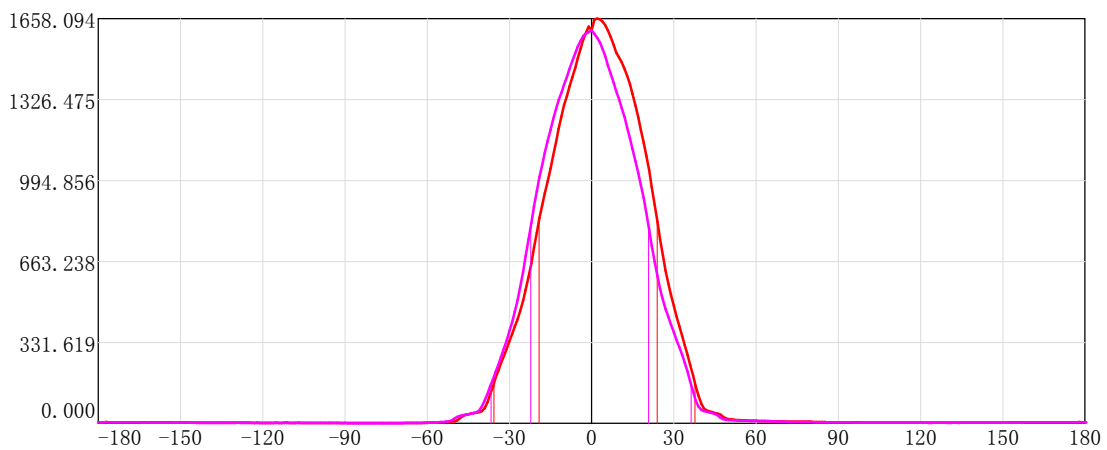
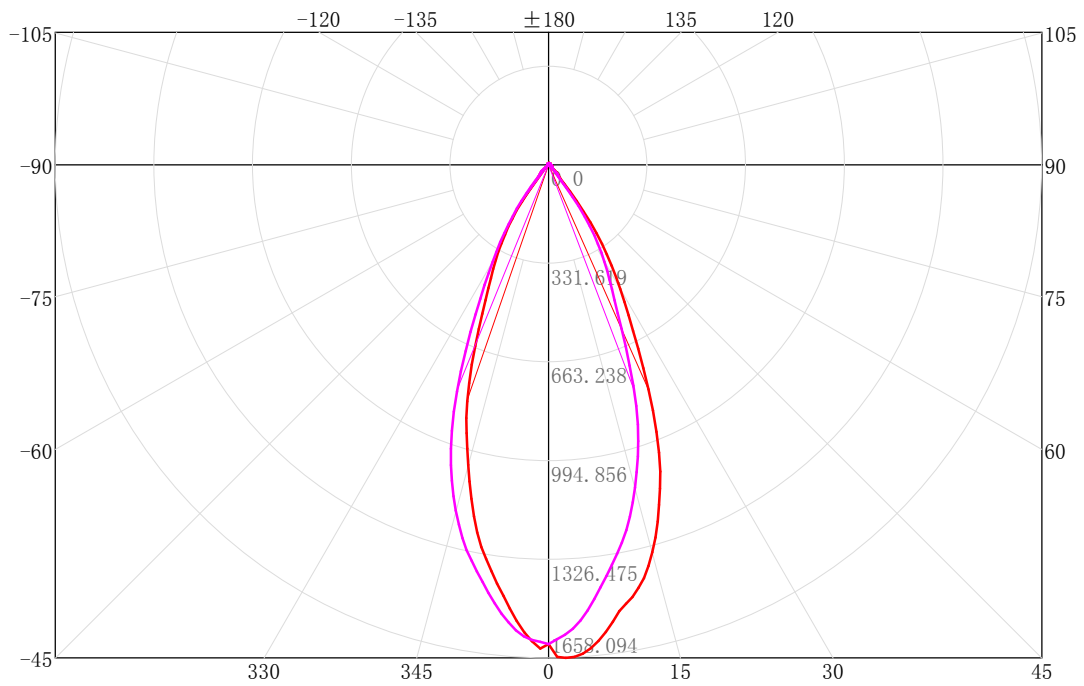
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## 2D Plane Light Intensity Distribution Curve

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01

C Plane Distribution Diagram



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C0.0_180.0 :	43.1	73.4	
—	C90.0_270.0 :	43.1	73.0	

# IES Indoor Report

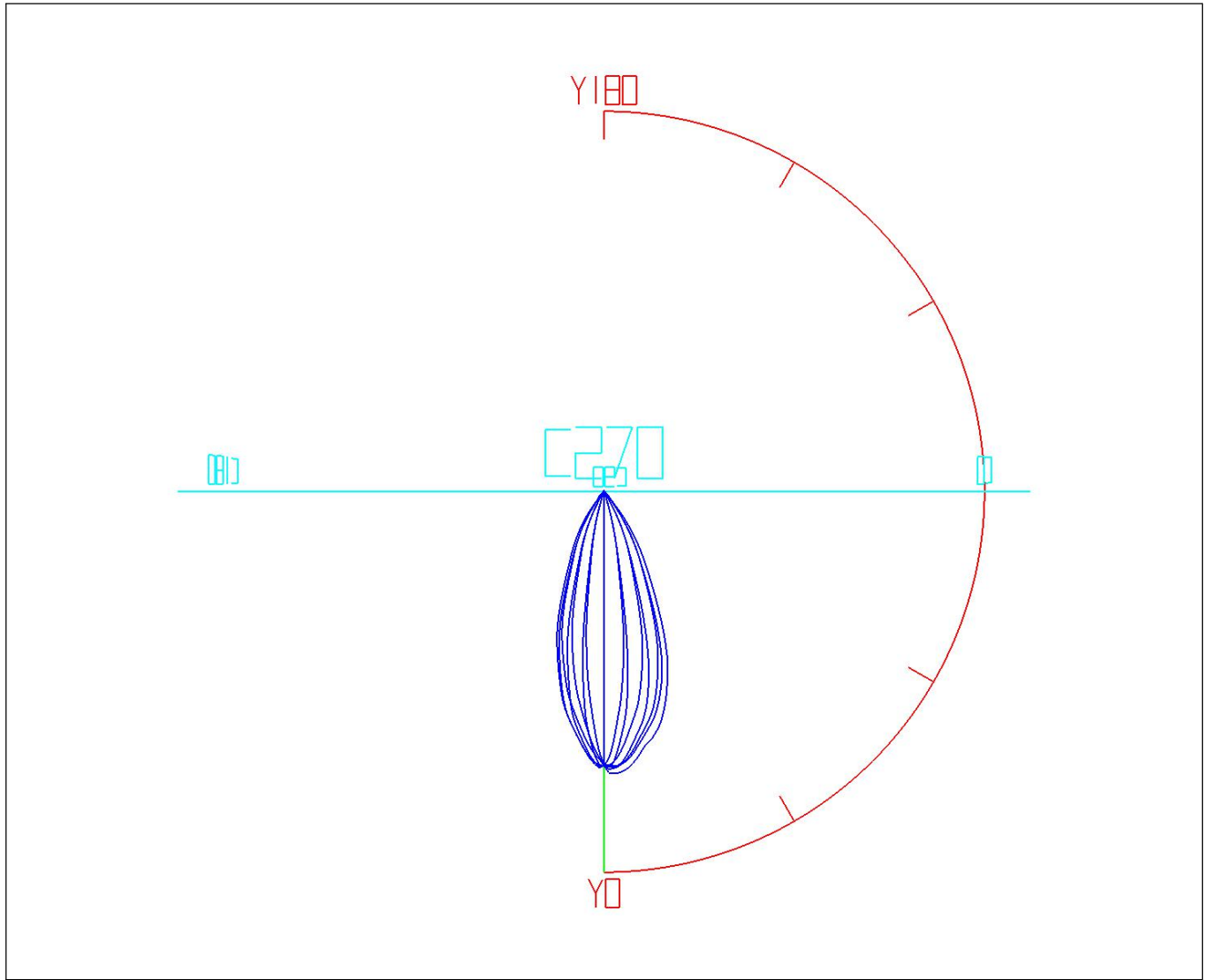
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## 3D Light Intensity Distribution Modal

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01

## 3D Light Intensity Distribution Modal



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

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## Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.54	1.54	0.16	0.16	47.0-48.0	2.26	899.58	0.24	94.89
1.0-2.0	4.60	6.14	0.49	0.65	48.0-49.0	1.85	901.43	0.20	95.09
2.0-3.0	7.61	13.75	0.80	1.45	49.0-50.0	1.50	902.93	0.16	95.25
3.0-4.0	10.52	24.27	1.11	2.56	50.0-51.0	1.21	904.14	0.13	95.37
4.0-5.0	13.30	37.57	1.40	3.96	51.0-52.0	1.03	905.16	0.11	95.48
5.0-6.0	15.94	53.51	1.68	5.64	52.0-53.0	0.93	906.09	0.10	95.58
6.0-7.0	18.43	71.94	1.94	7.59	53.0-54.0	0.87	906.95	0.09	95.67
7.0-8.0	20.77	92.71	2.19	9.78	54.0-55.0	0.82	907.77	0.09	95.76
8.0-9.0	22.96	115.67	2.42	12.20	55.0-56.0	0.78	908.55	0.08	95.84
9.0-10.0	25.04	140.71	2.64	14.84	56.0-57.0	0.74	909.29	0.08	95.92
10.0-11.0	26.98	167.69	2.85	17.69	57.0-58.0	0.71	909.99	0.07	95.99
11.0-12.0	28.75	196.44	3.03	20.72	58.0-59.0	0.68	910.68	0.07	96.06
12.0-13.0	30.29	226.73	3.20	23.92	59.0-60.0	0.67	911.34	0.07	96.13
13.0-14.0	31.59	258.32	3.33	27.25	60.0-61.0	0.65	911.99	0.07	96.20
14.0-15.0	32.65	290.96	3.44	30.69	61.0-62.0	0.63	912.63	0.07	96.27
15.0-16.0	33.48	324.44	3.53	34.22	62.0-63.0	0.62	913.25	0.07	96.33
16.0-17.0	34.08	358.52	3.60	37.82	63.0-64.0	0.60	913.85	0.06	96.40
17.0-18.0	34.48	393.00	3.64	41.46	64.0-65.0	0.59	914.44	0.06	96.46
18.0-19.0	34.63	427.63	3.65	45.11	65.0-66.0	0.57	915.01	0.06	96.52
19.0-20.0	34.44	462.07	3.63	48.74	66.0-67.0	0.56	915.57	0.06	96.58
20.0-21.0	33.83	495.91	3.57	52.31	67.0-68.0	0.55	916.12	0.06	96.64
21.0-22.0	32.85	528.76	3.47	55.78	68.0-69.0	0.53	916.65	0.06	96.69
22.0-23.0	31.58	560.34	3.33	59.11	69.0-70.0	0.52	917.18	0.06	96.75
23.0-24.0	30.13	590.47	3.18	62.29	70.0-71.0	0.51	917.69	0.05	96.80
24.0-25.0	28.59	619.06	3.02	65.30	71.0-72.0	0.51	918.20	0.05	96.86
25.0-26.0	27.07	646.13	2.86	68.16	72.0-73.0	0.50	918.70	0.05	96.91
26.0-27.0	25.64	671.77	2.71	70.86	73.0-74.0	0.48	919.18	0.05	96.96
27.0-28.0	24.33	696.11	2.57	73.43	74.0-75.0	0.47	919.65	0.05	97.01
28.0-29.0	23.11	719.22	2.44	75.87	75.0-76.0	0.47	920.12	0.05	97.06
29.0-30.0	21.90	741.11	2.31	78.18	76.0-77.0	0.46	920.59	0.05	97.11
30.0-31.0	20.63	761.75	2.18	80.35	77.0-78.0	0.46	921.04	0.05	97.16
31.0-32.0	19.29	781.03	2.03	82.39	78.0-79.0	0.45	921.49	0.05	97.20
32.0-33.0	17.85	798.88	1.88	84.27	79.0-80.0	0.44	921.94	0.05	97.25
33.0-34.0	16.32	815.20	1.72	85.99	80.0-81.0	0.44	922.37	0.05	97.30
34.0-35.0	14.67	829.87	1.55	87.54	81.0-82.0	0.43	922.81	0.05	97.34
35.0-36.0	12.83	842.70	1.35	88.89	82.0-83.0	0.43	923.23	0.05	97.39
36.0-37.0	10.82	853.52	1.14	90.03	83.0-84.0	0.43	923.66	0.05	97.43
37.0-38.0	8.72	862.24	0.92	90.95	84.0-85.0	0.42	924.08	0.04	97.48
38.0-39.0	6.73	868.97	0.71	91.66	85.0-86.0	0.42	924.50	0.04	97.52
39.0-40.0	5.14	874.11	0.54	92.21	86.0-87.0	0.41	924.91	0.04	97.56
40.0-41.0	4.12	878.23	0.43	92.64	87.0-88.0	0.40	925.31	0.04	97.61
41.0-42.0	3.63	881.86	0.38	93.02	88.0-89.0	0.40	925.72	0.04	97.65
42.0-43.0	3.42	885.28	0.36	93.38	89.0-90.0	0.40	926.12	0.04	97.69
43.0-44.0	3.28	888.56	0.35	93.73	90.0-91.0	0.40	926.52	0.04	97.73
44.0-45.0	3.14	891.70	0.33	94.06	91.0-92.0	0.40	926.92	0.04	97.78
45.0-46.0	2.96	894.66	0.31	94.37	92.0-93.0	0.39	927.31	0.04	97.82
46.0-47.0	2.66	897.32	0.28	94.65	93.0-94.0	0.39	927.70	0.04	97.86

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## Zonal Flux Tabulation - (Cont.)

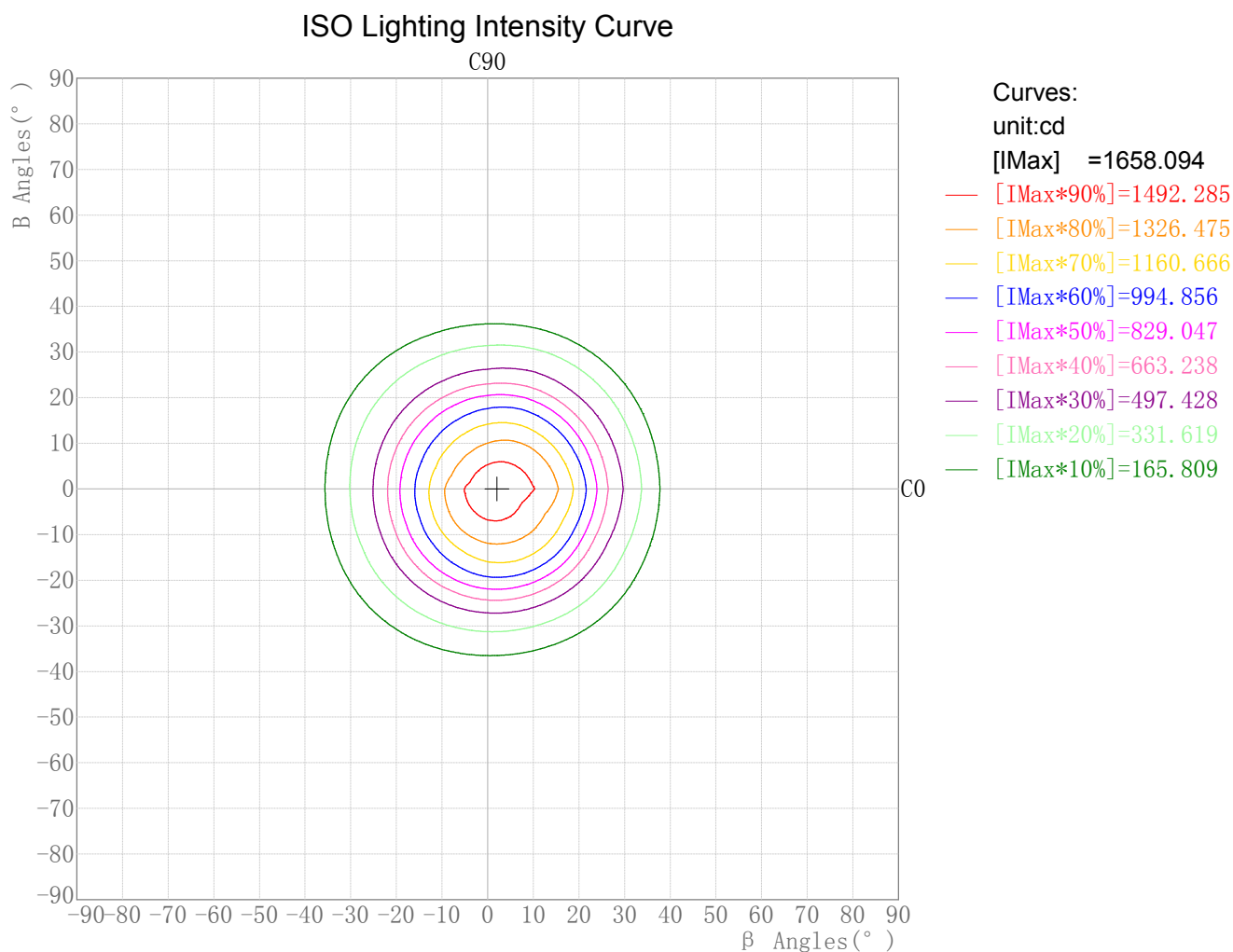
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.39	928.09	0.04	97.90	141.0-142.0	0.25	942.64	0.03	99.43
95.0-96.0	0.38	928.47	0.04	97.94	142.0-143.0	0.25	942.89	0.03	99.46
96.0-97.0	0.38	928.85	0.04	97.98	143.0-144.0	0.24	943.13	0.03	99.49
97.0-98.0	0.38	929.23	0.04	98.02	144.0-145.0	0.24	943.37	0.03	99.51
98.0-99.0	0.38	929.60	0.04	98.06	145.0-146.0	0.23	943.61	0.02	99.54
99.0-100.0	0.37	929.97	0.04	98.10	146.0-147.0	0.23	943.84	0.02	99.56
100.0-101.0	0.37	930.34	0.04	98.14	147.0-148.0	0.23	944.07	0.02	99.59
101.0-102.0	0.37	930.71	0.04	98.18	148.0-149.0	0.23	944.30	0.02	99.61
102.0-103.0	0.36	931.07	0.04	98.21	149.0-150.0	0.23	944.53	0.02	99.63
103.0-104.0	0.35	931.42	0.04	98.25	150.0-151.0	0.22	944.75	0.02	99.66
104.0-105.0	0.35	931.77	0.04	98.29	151.0-152.0	0.22	944.97	0.02	99.68
105.0-106.0	0.34	932.11	0.04	98.32	152.0-153.0	0.21	945.19	0.02	99.70
106.0-107.0	0.35	932.46	0.04	98.36	153.0-154.0	0.21	945.40	0.02	99.73
107.0-108.0	0.34	932.80	0.04	98.40	154.0-155.0	0.21	945.61	0.02	99.75
108.0-109.0	0.34	933.14	0.04	98.43	155.0-156.0	0.20	945.81	0.02	99.77
109.0-110.0	0.34	933.48	0.04	98.47	156.0-157.0	0.20	946.01	0.02	99.79
110.0-111.0	0.34	933.81	0.04	98.50	157.0-158.0	0.19	946.20	0.02	99.81
111.0-112.0	0.33	934.15	0.03	98.54	158.0-159.0	0.19	946.38	0.02	99.83
112.0-113.0	0.32	934.47	0.03	98.57	159.0-160.0	0.18	946.56	0.02	99.85
113.0-114.0	0.32	934.79	0.03	98.61	160.0-161.0	0.17	946.74	0.02	99.87
114.0-115.0	0.32	935.11	0.03	98.64	161.0-162.0	0.17	946.90	0.02	99.88
115.0-116.0	0.32	935.42	0.03	98.67	162.0-163.0	0.16	947.06	0.02	99.90
116.0-117.0	0.32	935.74	0.03	98.71	163.0-164.0	0.15	947.21	0.02	99.92
117.0-118.0	0.31	936.05	0.03	98.74	164.0-165.0	0.14	947.35	0.02	99.93
118.0-119.0	0.30	936.36	0.03	98.77	165.0-166.0	0.14	947.49	0.01	99.95
119.0-120.0	0.30	936.66	0.03	98.80	166.0-167.0	0.13	947.62	0.01	99.96
120.0-121.0	0.30	936.95	0.03	98.83	167.0-168.0	0.12	947.74	0.01	99.97
121.0-122.0	0.30	937.25	0.03	98.87	168.0-169.0	0.11	947.85	0.01	99.98
122.0-123.0	0.30	937.55	0.03	98.90	169.0-170.0	0.10	947.95	0.01	100.00
123.0-124.0	0.29	937.84	0.03	98.93	170.0-171.0	0.09	948.05	0.01	100.01
124.0-125.0	0.29	938.13	0.03	98.96	171.0-172.0	0.08	948.13	0.01	100.01
125.0-126.0	0.28	938.41	0.03	98.99	172.0-173.0	0.07	948.21	0.01	100.02
126.0-127.0	0.28	938.69	0.03	99.02	173.0-174.0	0.07	948.27	0.01	100.03
127.0-128.0	0.28	938.97	0.03	99.05	174.0-175.0	0.06	948.33	0.01	100.03
128.0-129.0	0.28	939.25	0.03	99.08	175.0-176.0	0.05	948.37	0.00	100.04
129.0-130.0	0.27	939.52	0.03	99.11	176.0-177.0	0.04	948.41	0.00	100.04
130.0-131.0	0.27	939.79	0.03	99.13	177.0-178.0	0.03	948.44	0.00	100.05
131.0-132.0	0.27	940.06	0.03	99.16	178.0-179.0	0.02	948.45	0.00	100.05
132.0-133.0	0.27	940.32	0.03	99.19	179.0-180.0	0.01	948.46	0.00	100.05
133.0-134.0	0.26	940.59	0.03	99.22					
134.0-135.0	0.27	940.85	0.03	99.25					
135.0-136.0	0.26	941.11	0.03	99.27					
136.0-137.0	0.25	941.37	0.03	99.30					
137.0-138.0	0.26	941.62	0.03	99.33					
138.0-139.0	0.26	941.88	0.03	99.35					
139.0-140.0	0.25	942.14	0.03	99.38					
140.0-141.0	0.25	942.39	0.03	99.41					

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## Rectangle ISO Lighting Intensity Diagram

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01

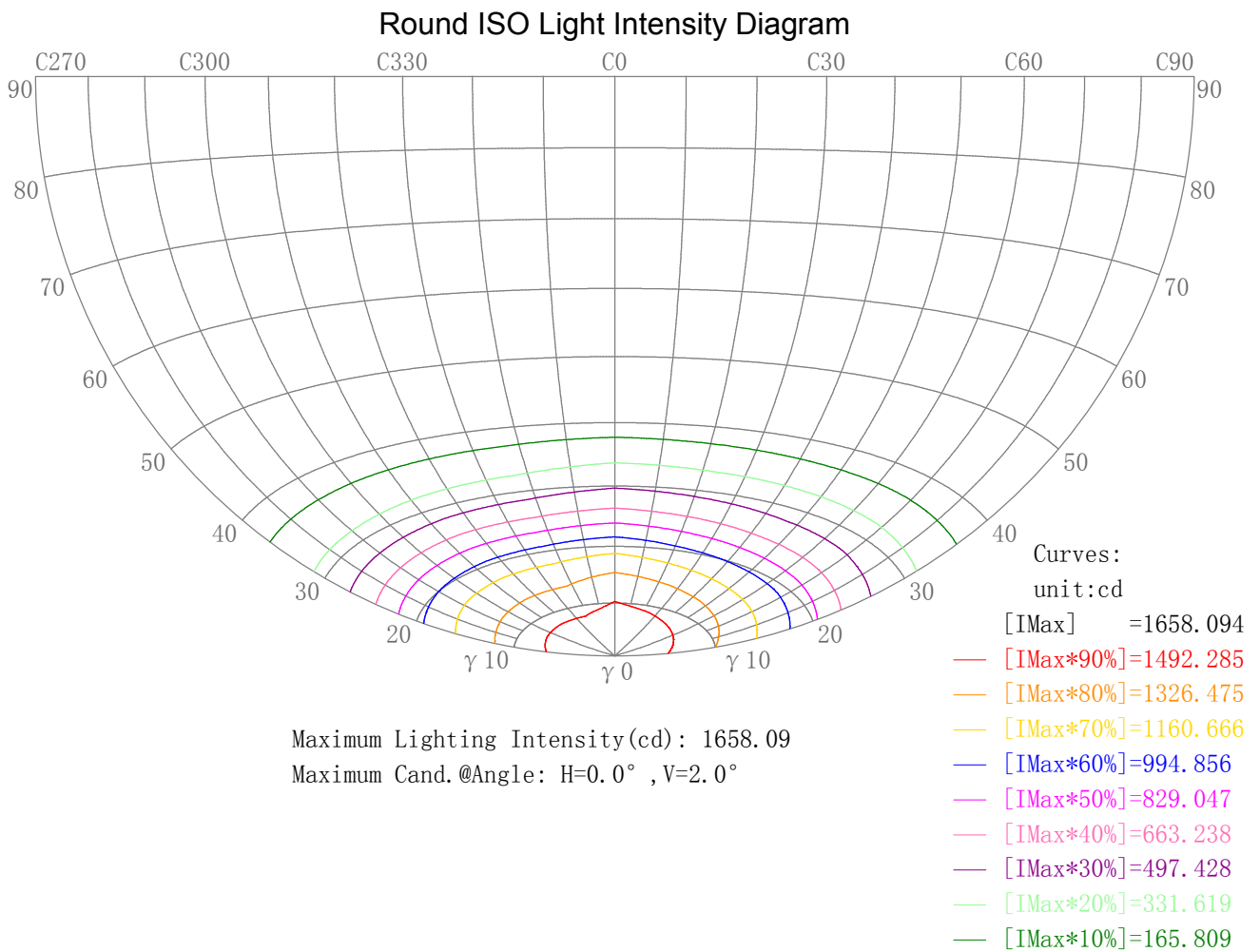


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## Round ISO Lighting Intensity Diagram

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01



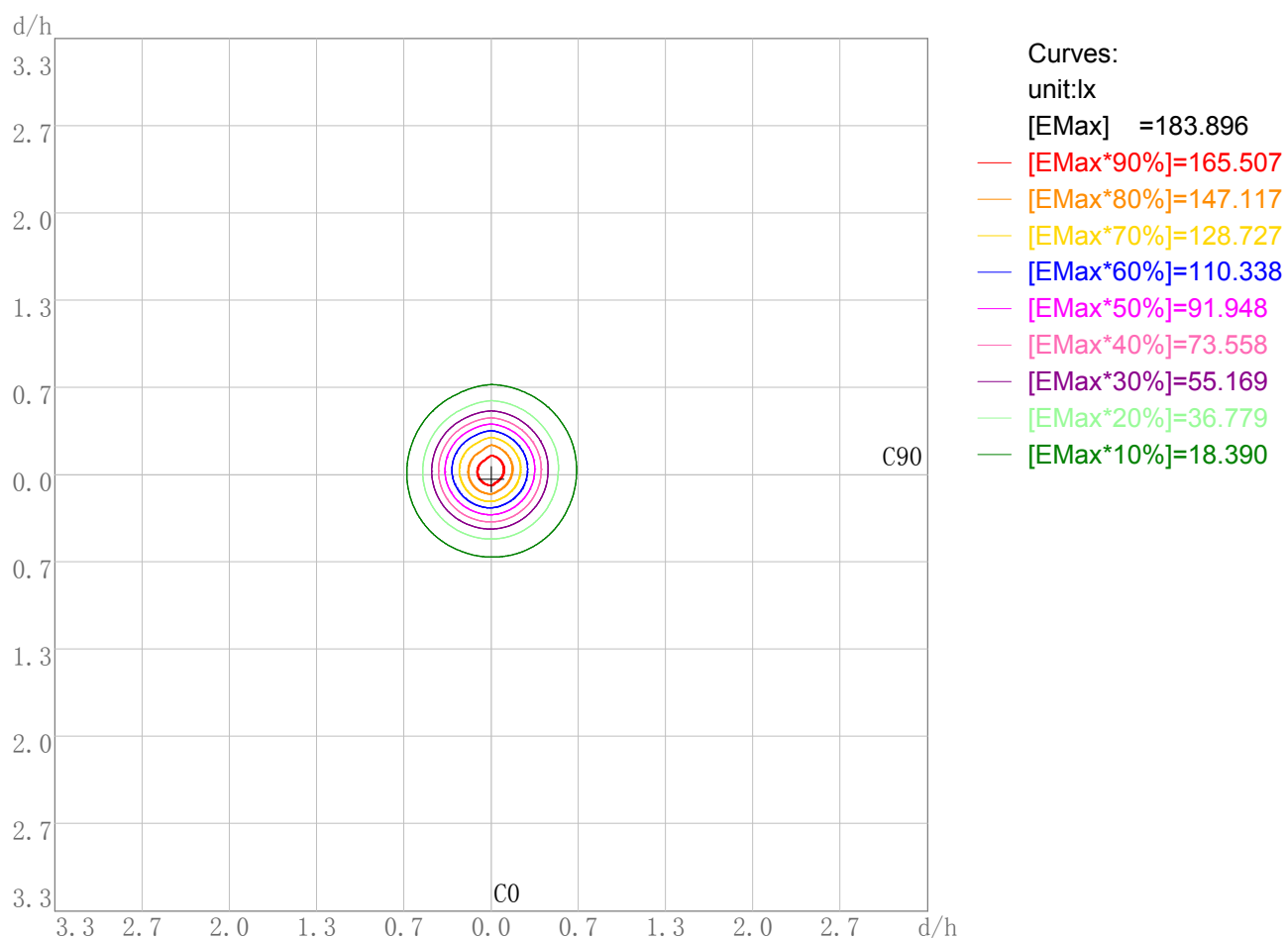
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## Plane ISO-Illuminance Diagram

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00  
 Working Plane Maximum Illuminance(lx): 183.90  
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0



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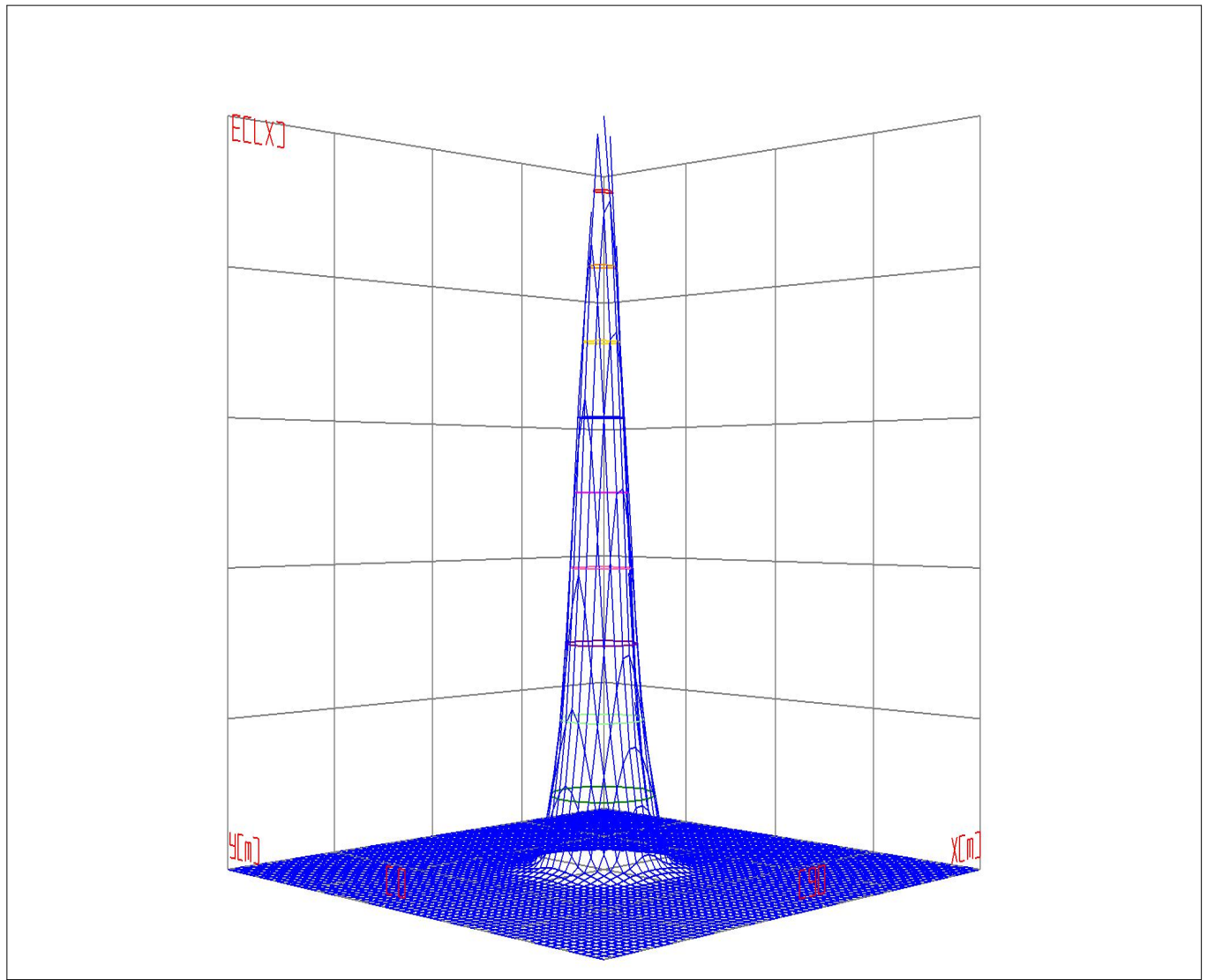
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## 3D Plane ISO Illuminance Diagram

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01

### 3D Plane Illuminance Modal



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

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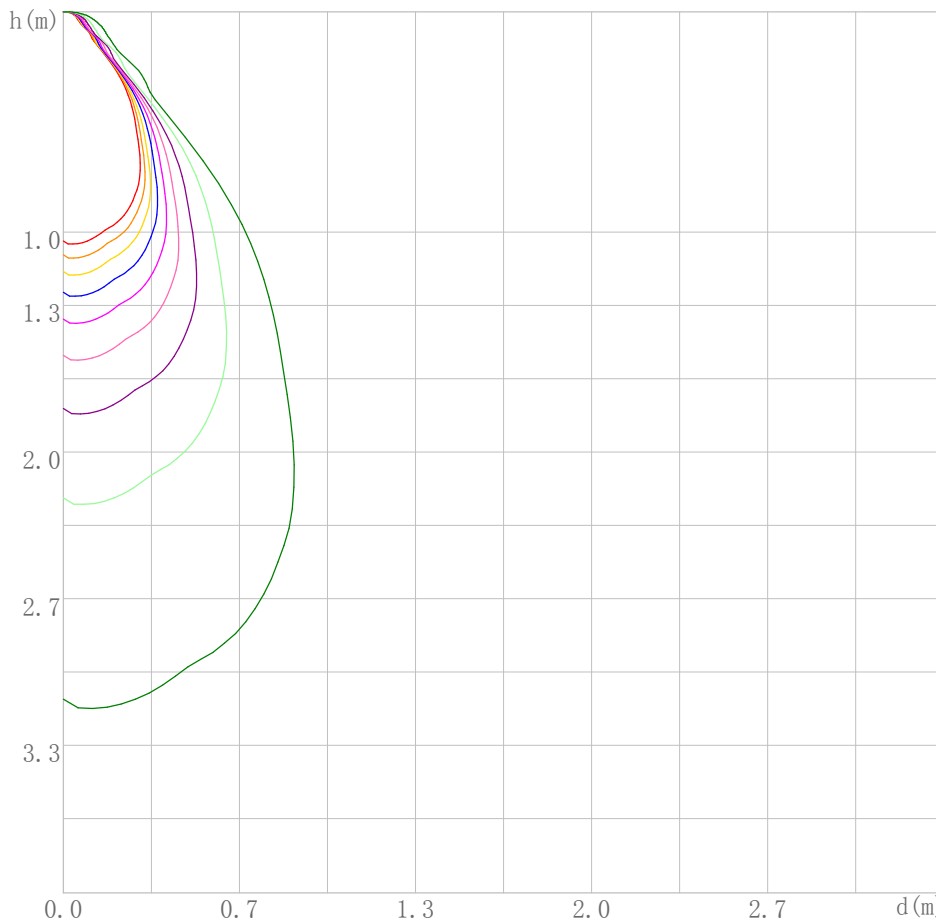
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## Space ISO Illuminance Diagram

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01

Space ISO Illuminance Curve



- Curves:  
[Unit: lx]  
[EMax] =1655.066
- [EMax\*90%]=1489.559
  - [EMax\*80%]=1324.053
  - [EMax\*70%]=1158.546
  - [EMax\*60%]=993.039
  - [EMax\*50%]=827.533
  - [EMax\*40%]=662.026
  - [EMax\*30%]=496.520
  - [EMax\*20%]=331.013
  - [EMax\*10%]=165.507

Space Plane Maximum Illuminance and @Angle:1655.07lx,2.0deg  
Plane Maximum Lighting Intensity and @Angle:1658.094cd,0deg

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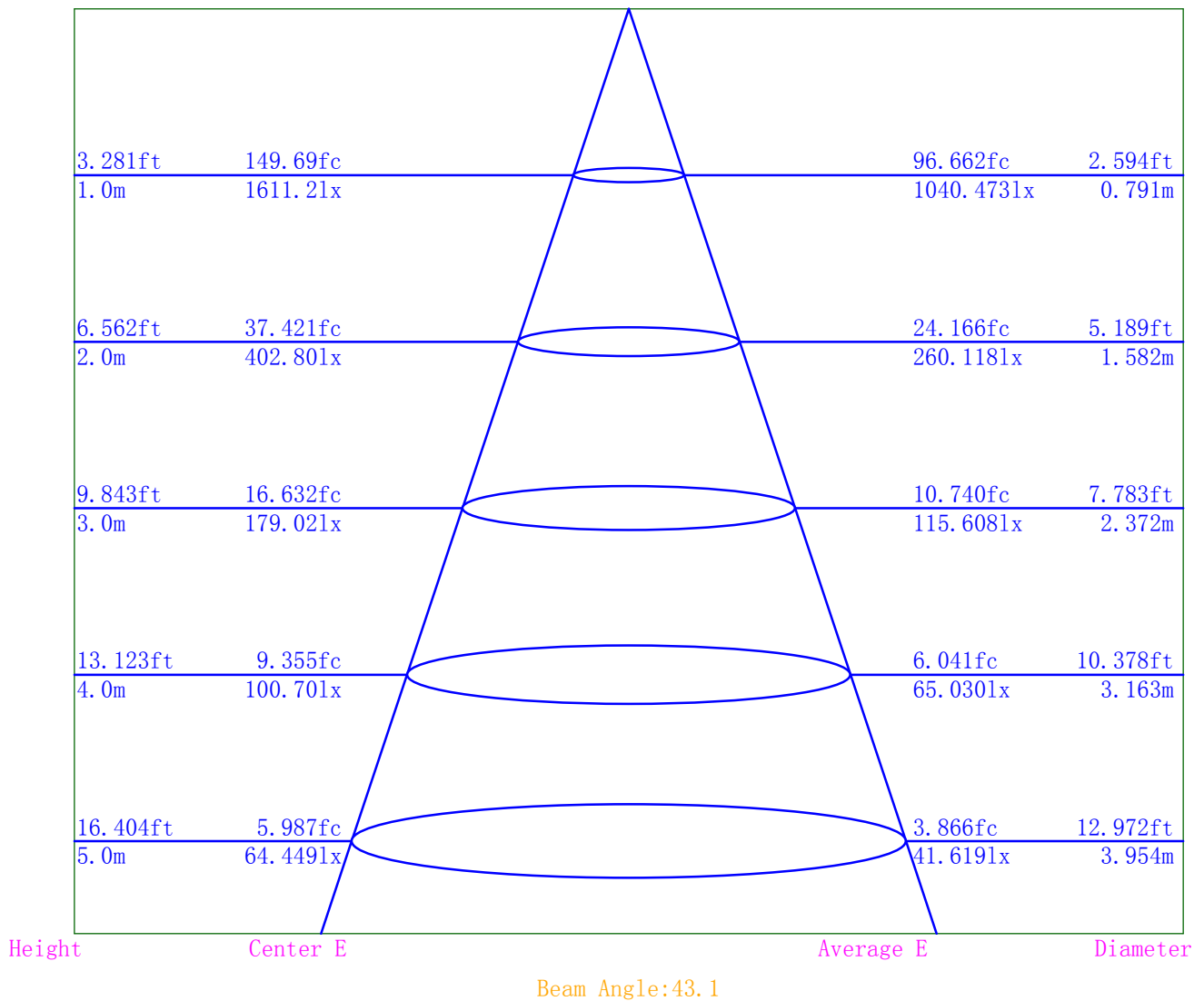
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## Illuminance-Distance Diagram

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01

Illuminance-Distance Curve



# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

## Indoor Luminance Limiting Curves

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01

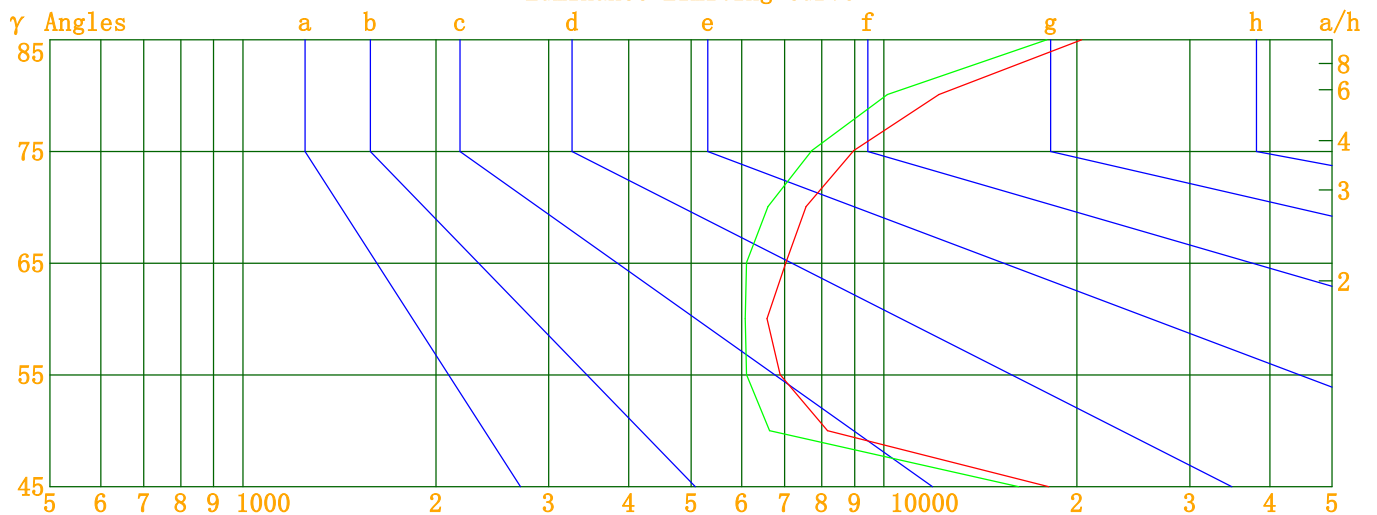
Glare Grade Table

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	18076	8162	6889	6568	7032	7562	8975	12189	20340
C90	16229	6633	6101	6074	6101	6596	7715	10118	17939

Luminance Limiting Curve



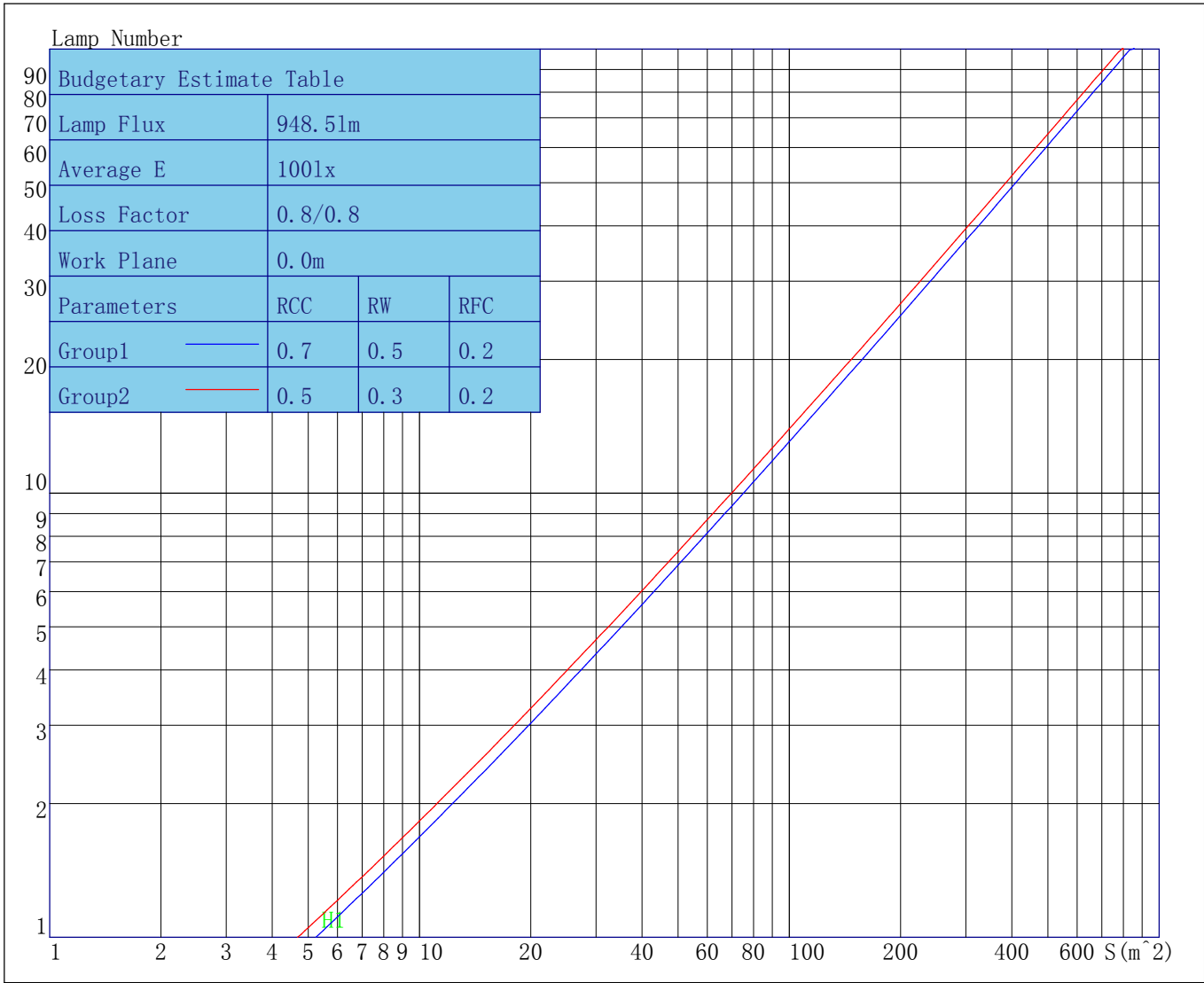
Luminous Size: Length(m)=-0.066 Width(m)=-0.066 Height(m)=0.000 Area(m^2)=0.003421  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename: AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

## Indoor Budgetary Estimate Table

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine: GON-2000	Test Date: 2023/07/01



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8  
 Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8  
 Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

## Indoor Coefficient of Utilization Table

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/07/01

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	113	110	108	106	110	108	106	104	104	102	100	99	98	97	96	95	94	92
2	108	103	99	96	105	101	98	95	98	95	92	94	92	90	91	89	88	86
3	103	97	92	88	101	95	91	87	92	89	86	90	87	84	87	85	83	81
4	98	91	86	82	96	90	85	81	87	83	80	85	82	79	83	80	78	76
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	79	76	73	72
6	90	81	76	72	88	80	75	71	79	74	71	77	73	70	76	72	69	68
7	86	77	71	68	84	76	71	67	75	70	67	73	69	66	72	69	66	64
8	82	73	68	64	81	73	67	64	71	67	63	70	66	63	69	65	62	61
9	79	70	64	61	77	69	64	60	68	63	60	67	63	60	66	62	59	58
10	75	66	61	58	74	66	61	57	65	60	57	64	60	57	63	59	57	55

# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

## Unified Glare Rating Table

Lum. Name: AD12541	Lum. Catalog: Down Light	Test ID:
Lamp Name: 1204C9	Lamp Catalog: COB	Test Lab: Test
Manufacture: -	Test Machine:GON-2000	Test Date: 2023/07/01

## Unified Glare Rating Table

Ceiling RCC	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size	Vewed crosswise					Vewed endwise				
X=2H Y=2H	18.6	19.5	19.0	19.9	20.3	17.5	18.5	17.9	18.8	19.2
Y=3H	18.6	19.4	19.0	19.8	20.2	17.7	18.5	18.1	18.9	19.3
Y=4H	18.7	19.5	19.2	19.9	20.3	17.9	18.6	18.3	19.0	19.5
Y=6H	19.0	19.7	19.4	20.1	20.6	18.2	18.9	18.7	19.3	19.8
Y=8H	19.2	19.9	19.7	20.3	20.8	18.4	19.1	18.9	19.5	20.0
Y=12H	19.5	20.1	20.0	20.6	21.1	18.8	19.4	19.3	19.9	20.3
X=4H Y=2H	18.3	19.1	18.8	19.5	19.9	17.4	18.1	17.8	18.6	19.0
Y=3H	18.4	19.1	18.9	19.5	20.0	17.7	18.3	18.1	18.8	19.2
Y=4H	18.6	19.2	19.1	19.6	20.1	18.0	18.6	18.5	19.0	19.5
Y=6H	19.0	19.5	19.5	20.0	20.5	18.5	19.0	19.1	19.5	20.1
Y=8H	19.3	19.8	19.9	20.3	20.8	18.9	19.4	19.4	19.9	20.4
Y=12H	19.8	20.2	20.4	20.8	21.3	19.5	19.9	20.0	20.4	20.9
X=8H Y=4H	18.5	19.0	19.1	19.5	20.0	18.1	18.6	18.6	19.1	19.6
Y=6H	19.1	19.5	19.6	20.0	20.6	18.9	19.2	19.4	19.8	20.3
Y=8H	19.5	19.9	20.1	20.4	21.0	19.4	19.7	20.0	20.3	20.9
Y=12H	20.2	20.5	20.8	21.1	21.7	20.2	20.5	20.8	21.0	21.7
X=12H Y=4H	18.5	18.9	19.0	19.4	20.0	18.1	18.5	18.6	19.0	19.6
Y=6H	19.1	19.4	19.7	20.0	20.6	19.0	19.3	19.5	19.8	20.4
Y=8H	19.6	19.9	20.2	20.5	21.1	19.6	19.9	20.2	20.4	21.1
Variations with the objverer position at spacings										
S=1.0H	0.0/-0.0					0.1/-0.1				
S=1.5H	0.1/-0.2					0.1/-0.1				
S=2.0H	0.2/-0.5					0.1/-0.1				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	1.5					2.1				

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

# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

## Candela Tabulation

V/H	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5	C225.0	C247.5
γ 0.0	1611.21	1611.21	1611.21	1611.21	1611.21	1611.21	1611.21	1611.21	1611.21	1611.21	1611.21	1611.21
γ 1.0	1654.01	1635.29	1620.73	1606.41	1595.36	1586.98	1581.74	1579.87	1625.87	1611.63	1606.97	1604.01
γ 2.0	1658.09	1637.35	1616.88	1598.87	1580.98	1568.33	1560.29	1557.13	1601.88	1590.58	1590.32	1592.87
γ 3.0	1655.99	1632.86	1608.50	1584.99	1561.26	1543.54	1532.04	1528.42	1572.67	1563.21	1568.11	1574.91
γ 4.0	1646.59	1621.66	1593.99	1564.51	1535.32	1512.49	1498.74	1495.48	1535.66	1531.03	1540.92	1551.03
γ 5.0	1630.85	1603.89	1571.65	1538.21	1503.36	1476.31	1460.80	1455.96	1496.58	1495.39	1507.79	1523.26
γ 6.0	1609.04	1580.26	1544.73	1507.32	1467.05	1439.61	1421.55	1417.00	1456.17	1458.61	1472.14	1491.94
γ 7.0	1581.74	1552.28	1514.29	1473.78	1430.88	1400.37	1381.93	1378.96	1417.77	1421.53	1437.00	1458.89
γ 8.0	1550.63	1521.46	1481.03	1439.76	1395.67	1361.47	1343.29	1340.93	1379.71	1384.63	1402.92	1425.13
γ 9.0	1518.74	1489.73	1449.62	1406.95	1361.02	1325.42	1306.80	1303.55	1341.41	1349.56	1370.31	1391.52
γ 10.0	1497.79	1460.11	1419.11	1375.57	1327.35	1290.42	1269.44	1267.32	1304.07	1312.74	1335.19	1358.84
γ 11.0	1479.74	1431.48	1390.53	1344.33	1293.02	1252.46	1230.05	1226.30	1258.87	1270.04	1299.41	1325.24
γ 12.0	1452.95	1403.50	1359.70	1310.39	1255.40	1210.72	1185.50	1176.84	1207.58	1220.59	1255.32	1287.26
γ 13.0	1425.22	1374.12	1324.38	1270.32	1213.09	1167.65	1136.79	1125.29	1152.00	1166.90	1202.90	1241.96
γ 14.0	1389.64	1336.60	1279.37	1225.56	1168.32	1121.97	1088.61	1076.35	1096.86	1111.58	1147.53	1192.94
γ 15.0	1348.11	1291.76	1232.20	1179.73	1122.92	1073.67	1039.48	1026.32	1044.18	1056.91	1095.24	1143.74
γ 16.0	1302.67	1242.73	1183.77	1133.22	1074.85	1023.25	990.12	979.19	991.69	1003.56	1043.55	1094.98
γ 17.0	1253.54	1190.56	1132.78	1085.47	1025.11	973.64	941.23	931.99	943.41	953.59	992.41	1046.21
γ 18.0	1201.34	1138.35	1083.32	1037.86	975.92	924.28	891.77	884.77	894.66	904.06	944.45	997.56
γ 19.0	1150.09	1086.59	1033.87	987.94	923.27	870.29	838.56	832.35	840.98	850.99	894.36	946.66
γ 20.0	1096.71	1031.33	977.19	928.95	861.98	809.79	779.75	774.72	781.16	793.66	837.15	889.94
γ 21.0	1036.28	969.29	912.78	862.34	794.78	746.34	717.91	713.01	719.11	733.19	776.88	828.36
γ 22.0	967.76	902.89	845.41	795.05	727.58	683.28	657.49	652.15	657.34	671.78	714.75	763.79
γ 23.0	897.10	834.96	777.79	728.46	662.97	623.59	600.33	595.30	599.73	613.02	652.24	698.01
γ 24.0	825.32	766.67	710.54	664.54	603.55	568.59	548.73	544.14	547.67	558.33	593.39	634.53
γ 25.0	754.17	700.81	647.00	607.18	551.12	519.86	503.57	498.76	501.70	509.52	539.42	576.33
γ 26.0	687.52	639.72	590.84	557.24	506.21	479.03	465.74	460.98	461.30	466.98	490.97	523.47
γ 27.0	626.47	584.45	542.32	514.72	468.71	444.68	434.36	428.79	427.23	429.75	449.10	475.92
γ 28.0	573.16	535.60	499.78	477.14	436.40	414.29	405.94	400.36	396.62	396.64	412.78	433.89
γ 29.0	526.59	492.93	462.11	442.25	405.63	384.78	378.05	372.76	366.99	365.47	380.02	396.51
γ 30.0	482.59	453.12	426.26	408.41	374.83	355.13	349.30	343.69	337.26	335.05	348.26	362.14
γ 31.0	440.72	414.51	391.93	374.75	343.71	325.00	319.77	314.56	306.95	305.18	316.66	329.16
γ 32.0	399.97	375.94	357.62	341.28	312.97	295.53	290.32	285.36	276.80	275.43	285.17	296.72
γ 33.0	359.48	338.17	322.57	307.56	282.23	264.77	259.98	255.68	247.98	245.49	254.90	264.93
γ 34.0	320.65	301.53	287.32	272.89	249.18	232.42	228.16	225.76	218.17	216.15	225.48	234.15
γ 35.0	280.83	263.81	249.46	235.56	212.71	196.62	193.84	193.12	187.01	187.21	195.55	204.47
γ 36.0	239.89	223.64	207.47	194.46	172.10	157.86	157.09	158.45	152.62	156.96	166.87	175.45
γ 37.0	197.54	180.62	163.75	151.95	132.72	120.40	121.31	122.92	118.63	126.15	137.03	146.31
γ 38.0	154.54	138.45	122.12	112.25	96.30	86.73	89.23	91.61	87.34	96.55	107.10	116.92
γ 39.0	114.42	100.65	86.49	80.30	69.16	63.28	66.19	67.05	63.38	71.78	81.05	89.58
γ 40.0	80.80	71.91	62.99	61.37	55.92	52.33	54.94	56.85	51.25	55.65	60.69	68.20
γ 41.0	61.49	56.45	53.24	53.53	51.04	48.54	50.77	52.95	47.43	48.54	50.72	55.16
γ 42.0	53.53	50.06	49.25	50.01	48.26	46.39	48.53	50.70	45.10	45.81	47.39	49.49
γ 43.0	49.85	46.96	46.38	46.97	45.46	44.36	46.41	48.69	43.06	43.63	45.21	46.55
γ 44.0	46.76	44.17	42.91	43.59	42.79	42.12	44.11	46.15	40.99	41.28	43.01	43.84
γ 45.0	43.73	41.14	39.63	40.23	39.26	39.79	41.53	43.29	38.60	38.99	40.53	41.22
γ 46.0	40.16	37.97	35.44	33.62	33.50	34.42	37.71	39.45	35.73	36.64	37.94	38.56



# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

## Candela Tabulation - (Cont.)

V/H	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5	C225.0	C247.5
γ 47.0	36.89	31.34	26.11	24.50	23.54	24.96	29.99	34.29	30.76	33.37	35.96	35.77
γ 48.0	27.94	23.46	20.27	18.91	18.27	19.08	21.34	23.64	22.34	28.89	31.90	32.21
γ 49.0	20.81	18.79	17.44	16.41	15.76	16.07	17.27	17.96	13.60	21.83	26.99	27.41
γ 50.0	17.95	16.75	15.77	15.00	14.59	14.94	15.31	15.62	9.64	13.99	17.64	19.81
γ 51.0	16.77	15.59	15.11	14.13	13.83	14.02	14.31	14.34	7.76	10.02	11.26	12.45
γ 52.0	15.42	14.37	14.19	13.37	13.10	13.03	13.35	13.64	6.84	7.86	8.58	9.07
γ 53.0	14.77	13.46	13.54	12.73	12.83	12.65	12.53	12.69	5.96	6.57	7.17	7.74
γ 54.0	13.96	12.94	12.77	12.23	12.40	12.28	11.96	12.09	5.28	5.63	6.49	6.46
γ 55.0	13.52	12.46	12.42	11.73	11.97	11.65	11.70	11.58	4.90	4.84	5.72	5.19
γ 56.0	12.70	12.08	12.11	11.23	11.56	11.23	11.44	11.19	4.43	4.45	4.84	4.46
γ 57.0	12.07	11.79	11.39	10.92	11.39	10.82	10.93	10.44	3.90	4.11	4.26	4.01
γ 58.0	11.85	11.22	11.01	10.73	10.90	10.47	10.53	10.38	3.50	3.81	3.93	3.67
γ 59.0	11.42	10.63	10.65	10.49	10.75	10.26	10.25	9.96	3.46	3.64	3.68	3.40
γ 60.0	11.23	10.41	10.59	10.27	10.39	10.11	9.91	9.56	3.24	3.56	3.48	3.02
γ 61.0	10.96	10.33	10.67	9.98	10.06	9.65	9.70	9.31	3.04	3.24	3.24	2.84
γ 62.0	10.63	10.14	10.50	9.70	10.12	9.53	9.43	8.98	3.00	2.96	2.96	2.73
γ 63.0	10.52	9.79	9.77	9.35	9.84	9.11	9.18	8.99	2.90	3.01	2.92	2.50
γ 64.0	10.20	9.50	9.52	9.06	9.01	8.95	8.94	8.58	2.91	2.79	2.73	2.33
γ 65.0	10.17	9.27	9.44	8.96	8.82	8.84	8.70	8.26	2.78	2.53	2.73	2.10
γ 66.0	9.81	9.00	9.14	8.81	8.66	8.52	8.64	8.08	2.57	2.18	2.51	1.97
γ 67.0	9.41	8.65	8.80	8.54	8.83	8.28	8.40	7.85	2.62	2.18	2.63	1.94
γ 68.0	9.18	8.51	8.60	8.15	8.26	8.22	8.09	7.72	2.27	2.17	2.21	1.89
γ 69.0	9.08	8.26	8.44	7.92	8.06	7.76	8.01	7.47	2.26	1.94	2.11	1.97
γ 70.0	8.85	8.23	8.25	7.82	7.72	7.52	7.90	7.51	2.43	1.97	2.11	1.98
γ 71.0	8.48	8.05	8.01	7.62	7.53	7.61	7.50	7.12	2.13	2.09	2.15	1.60
γ 72.0	8.23	7.77	8.07	7.41	7.19	7.30	7.44	7.22	2.21	2.01	2.02	1.59
γ 73.0	8.20	7.48	7.67	7.01	6.95	7.08	7.43	7.04	2.21	1.91	2.08	1.75
γ 74.0	7.96	7.14	7.43	6.89	6.98	6.90	7.07	6.69	2.24	1.77	1.86	1.72
γ 75.0	7.95	6.77	7.39	6.95	6.83	6.89	6.94	6.29	1.99	1.80	2.21	1.64
γ 76.0	7.71	6.64	6.90	6.67	6.94	6.58	6.74	6.22	2.09	1.82	2.43	1.45
γ 77.0	7.38	6.58	7.02	6.43	6.96	6.30	6.43	6.26	2.26	1.79	2.29	1.65
γ 78.0	7.38	6.53	6.74	6.36	6.25	6.34	6.50	5.79	2.26	1.85	2.04	1.72
γ 79.0	7.38	6.49	6.58	6.16	6.17	6.16	6.35	5.82	2.51	1.93	1.91	1.62
γ 80.0	7.24	6.61	6.22	5.80	6.01	6.05	6.10	5.68	2.27	2.05	2.02	1.67
γ 81.0	6.78	6.35	6.15	5.62	5.78	5.85	6.09	5.53	2.67	2.29	2.00	1.58
γ 82.0	6.55	6.06	5.92	5.57	5.69	5.76	5.96	5.73	2.26	2.28	2.10	1.61
γ 83.0	6.41	5.97	6.02	5.63	5.75	5.56	5.62	5.18	2.39	2.34	1.89	1.93
γ 84.0	6.24	5.88	5.86	5.54	5.80	5.36	5.73	5.07	2.65	2.39	1.70	2.05
γ 85.0	6.07	5.66	5.76	5.41	5.35	5.14	5.80	4.77	2.43	2.27	2.12	1.84
γ 86.0	5.84	5.43	5.92	5.19	5.08	5.28	5.48	4.57	2.50	2.34	2.18	1.87
γ 87.0	5.74	5.28	5.38	4.83	5.07	5.18	5.33	4.57	2.71	2.47	2.03	1.86
γ 88.0	5.88	5.24	5.10	4.70	5.22	4.85	5.19	4.48	2.75	2.43	2.16	1.96
γ 89.0	5.56	5.20	5.29	4.80	5.08	5.08	5.09	4.35	2.88	2.34	2.22	2.04
γ 90.0	5.49	5.11	5.14	4.70	5.21	5.01	5.10	4.44	2.80	2.46	2.29	1.99
γ 91.0	5.38	5.21	4.89	4.56	4.88	4.64	4.86	4.25	2.84	2.67	2.44	2.30
γ 92.0	5.09	4.86	4.71	4.46	4.67	4.64	4.76	4.28	2.77	2.67	2.52	2.60
γ 93.0	5.08	4.66	4.57	4.44	4.60	4.42	4.72	4.11	3.08	2.36	2.53	2.58

# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5	C225.0	C247.5
γ 94.0	5.07	4.64	4.35	4.48	4.70	4.31	4.47	4.50	3.08	2.54	2.37	2.61
γ 95.0	4.85	4.62	4.37	4.30	4.75	4.11	4.43	4.03	3.01	2.80	2.28	2.79
γ 96.0	4.69	4.55	4.52	4.18	4.56	4.34	4.42	3.83	2.74	2.66	2.59	2.59
γ 97.0	4.78	4.47	4.31	4.22	4.43	4.37	4.36	3.79	2.65	2.67	2.67	2.39
γ 98.0	4.59	4.34	4.30	4.13	4.39	4.28	4.47	3.77	2.85	2.63	2.77	2.56
γ 99.0	4.57	4.18	4.36	4.12	4.42	4.28	4.29	4.03	3.09	2.41	2.55	2.77
γ 100.0	4.57	4.22	3.84	4.18	4.04	4.41	4.19	3.63	3.23	2.43	2.61	2.78
γ 101.0	4.34	4.08	4.24	3.96	4.10	4.42	4.28	3.89	2.97	2.75	2.84	2.49
γ 102.0	4.37	3.87	4.20	3.95	3.81	4.16	4.28	3.85	2.94	3.06	2.66	2.34
γ 103.0	4.22	3.82	4.26	3.92	3.81	3.95	4.15	3.39	3.04	3.00	2.71	2.38
γ 104.0	4.18	3.88	3.88	3.66	3.84	3.91	3.90	3.66	2.94	2.89	2.77	2.61
γ 105.0	4.07	3.85	3.96	3.52	3.98	4.01	3.76	3.09	2.85	2.92	2.80	2.59
γ 106.0	4.28	3.65	3.86	3.52	3.81	3.98	3.59	3.51	3.13	2.83	2.74	2.70
γ 107.0	4.22	3.58	3.84	3.44	3.66	3.89	3.46	3.41	3.31	2.84	2.97	2.99
γ 108.0	4.19	3.67	3.64	3.54	3.72	4.04	3.61	3.35	3.13	2.79	2.75	2.83
γ 109.0	4.13	3.41	3.66	3.70	3.72	3.78	3.63	3.49	3.07	2.75	2.78	2.85
γ 110.0	3.93	3.30	3.68	3.54	3.81	3.67	3.57	3.08	3.27	2.71	2.82	3.08
γ 111.0	4.26	3.33	3.88	3.44	3.65	3.58	3.45	3.24	3.41	2.82	3.06	2.91
γ 112.0	4.28	3.21	3.66	3.47	3.75	3.38	3.44	3.12	3.43	2.76	2.98	2.73
γ 113.0	3.89	3.41	3.64	3.47	3.89	3.40	3.58	3.13	3.13	2.74	2.78	2.94
γ 114.0	3.77	3.30	3.60	3.42	3.50	3.35	3.63	3.05	3.10	2.75	2.90	2.87
γ 115.0	3.91	3.23	3.49	3.40	3.49	3.53	3.72	3.27	3.29	2.71	2.65	2.82
γ 116.0	3.86	3.26	3.47	3.46	3.62	3.44	3.69	3.01	3.18	2.61	2.84	3.06
γ 117.0	3.88	3.15	3.44	3.52	3.44	3.61	3.51	3.08	3.21	2.77	2.79	3.03
γ 118.0	3.92	3.30	3.61	3.47	3.32	3.27	3.57	2.85	3.06	2.85	2.84	2.87
γ 119.0	3.73	3.29	3.62	3.39	3.33	3.17	3.46	3.09	2.84	2.97	2.47	2.87
γ 120.0	3.49	3.07	3.62	3.33	3.38	3.35	3.32	2.96	3.08	3.05	2.80	2.94
γ 121.0	3.41	3.16	3.57	3.18	3.58	3.35	3.48	3.07	3.18	2.90	2.75	3.11
γ 122.0	3.61	3.20	3.54	3.02	3.51	3.63	3.35	3.02	3.56	2.90	2.95	3.21
γ 123.0	3.48	3.30	3.67	3.20	3.21	3.40	3.33	2.95	3.14	2.88	2.79	2.91
γ 124.0	3.46	3.41	3.36	3.37	3.25	3.40	3.47	2.90	3.20	2.98	2.78	2.92
γ 125.0	3.48	3.32	3.43	3.44	3.39	3.64	3.41	2.81	3.28	2.88	2.82	3.24
γ 126.0	3.57	3.12	3.11	3.43	3.33	3.69	3.32	2.90	3.38	2.93	3.04	3.29
γ 127.0	3.64	3.05	3.41	3.26	3.67	3.32	3.15	2.99	3.43	3.06	2.97	3.26
γ 128.0	3.44	3.14	3.46	3.21	3.45	3.24	3.46	3.20	3.68	3.05	2.92	3.35
γ 129.0	3.42	3.32	3.30	3.23	3.34	3.23	3.60	2.99	3.47	2.99	2.95	3.43
γ 130.0	3.44	3.34	3.17	3.39	3.25	3.22	3.51	2.95	3.37	2.97	2.89	3.34
γ 131.0	3.51	3.18	3.28	3.54	3.22	3.12	3.57	3.08	3.49	3.06	3.04	3.22
γ 132.0	3.55	3.24	3.19	3.63	3.38	3.57	3.56	3.23	3.55	3.18	3.31	3.14
γ 133.0	3.83	3.32	3.19	3.59	3.39	3.36	3.56	3.15	3.65	3.21	3.17	3.06
γ 134.0	3.75	3.13	3.26	3.59	3.19	3.44	3.59	3.25	3.76	3.10	3.04	3.31
γ 135.0	3.98	3.13	3.37	3.62	3.45	3.51	3.68	3.22	3.87	3.20	3.27	3.46
γ 136.0	3.61	3.00	3.44	3.44	3.76	3.38	3.62	3.15	3.49	3.38	3.08	3.14
γ 137.0	3.52	3.19	3.32	3.53	3.73	3.53	3.62	3.08	3.83	3.43	3.47	3.29
γ 138.0	3.83	3.27	3.30	3.71	3.76	3.50	3.66	3.43	3.50	3.41	3.56	3.66
γ 139.0	3.77	3.46	3.61	3.76	3.83	3.95	3.66	3.50	3.53	3.46	3.65	3.61
γ 140.0	3.73	3.52	3.37	3.78	3.87	4.04	3.78	3.69	3.78	3.49	3.76	3.43

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# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

## Candela Tabulation - (Cont.)

V/H	C0. 0	C22. 5	C45. 0	C67. 5	C90. 0	C112. 5	C135. 0	C157. 5	C180. 0	C202. 5	C225. 0	C247. 5
γ 141. 0	3.89	3.41	3.58	3.87	4.08	3.70	3.79	3.75	3.69	3.55	3.72	3.51
γ 142. 0	3.94	3.58	3.73	4.11	4.25	3.73	3.89	3.63	3.99	3.60	3.75	3.61
γ 143. 0	4.08	3.55	3.80	4.14	3.72	3.75	3.97	3.50	4.22	3.60	3.90	3.64
γ 144. 0	4.01	3.55	3.86	4.03	3.42	3.85	4.00	3.66	4.18	3.59	3.86	3.74
γ 145. 0	3.91	3.66	3.44	4.02	3.62	3.78	4.01	3.57	4.32	3.62	3.91	3.89
γ 146. 0	4.09	3.72	3.67	3.99	3.50	3.84	4.14	3.69	4.25	3.82	3.80	3.86
γ 147. 0	4.13	3.84	3.57	4.05	3.86	3.75	4.04	3.73	4.25	3.89	3.98	3.75
γ 148. 0	4.20	3.99	3.80	4.12	4.14	4.29	3.97	3.77	4.64	3.89	4.00	3.97
γ 149. 0	4.29	4.02	3.93	4.17	3.93	4.19	4.13	3.80	4.46	4.04	4.06	4.03
γ 150. 0	4.44	4.02	4.20	4.39	3.97	4.18	4.30	4.05	4.61	4.03	4.05	4.14
γ 151. 0	4.58	3.95	4.16	4.46	3.94	4.57	4.32	4.08	4.46	3.99	3.99	4.15
γ 152. 0	5.20	3.86	4.18	4.45	4.18	4.57	4.22	4.32	4.58	3.97	4.13	4.14
γ 153. 0	4.99	3.98	4.29	4.60	4.08	4.70	4.14	4.46	4.85	3.97	4.11	4.24
γ 154. 0	4.81	4.32	4.50	4.64	4.34	4.68	4.23	4.30	5.10	4.08	4.56	4.18
γ 155. 0	4.97	4.42	4.31	4.62	4.26	4.76	4.27	4.37	5.23	4.24	4.61	4.19
γ 156. 0	5.02	4.39	4.32	4.56	4.34	4.46	4.31	4.57	5.14	4.38	4.72	4.18
γ 157. 0	4.67	4.37	4.48	4.65	4.53	4.55	4.48	4.63	4.98	4.36	4.66	4.29
γ 158. 0	5.04	4.42	4.50	4.64	4.68	4.60	4.65	4.68	4.97	4.53	4.86	4.30
γ 159. 0	5.05	4.43	4.58	4.63	4.73	4.57	4.82	4.64	5.00	4.55	4.83	4.44
γ 160. 0	4.87	4.40	4.78	4.69	4.62	4.78	4.87	4.50	5.33	4.48	4.67	4.57
γ 161. 0	5.06	4.64	4.76	4.81	4.80	4.94	4.82	4.76	5.39	4.55	5.14	4.41
γ 162. 0	4.97	4.66	4.79	5.01	4.79	4.91	4.71	4.67	5.47	4.57	4.86	4.39
γ 163. 0	5.10	4.75	5.00	5.03	5.04	4.80	4.80	4.71	5.19	4.75	4.79	4.48
γ 164. 0	5.21	4.87	4.93	4.93	4.92	4.96	4.76	4.71	5.13	4.87	4.62	4.61
γ 165. 0	5.22	5.06	5.05	4.94	4.96	5.44	4.76	4.56	5.26	4.95	4.79	4.63
γ 166. 0	5.28	5.14	4.95	5.09	4.88	5.44	4.93	4.66	5.22	4.96	5.16	4.57
γ 167. 0	5.58	5.00	5.09	5.03	4.80	5.42	5.15	4.93	5.40	4.92	4.97	4.71
γ 168. 0	5.59	4.90	5.19	4.89	5.01	5.65	5.23	4.81	5.49	5.04	5.12	4.74
γ 169. 0	5.53	5.03	5.37	5.03	5.21	5.23	5.14	4.90	5.59	5.22	5.31	4.71
γ 170. 0	5.50	5.11	5.63	5.17	5.09	5.17	5.10	5.06	5.64	5.20	5.28	4.76
γ 171. 0	5.53	5.03	5.26	5.14	5.09	5.28	5.19	5.18	5.68	5.08	5.19	4.87
γ 172. 0	5.59	5.18	5.52	5.19	5.07	5.27	5.16	4.84	5.59	5.06	5.33	5.05
γ 173. 0	5.42	5.39	5.21	5.35	5.10	5.35	5.21	5.27	5.75	5.23	5.23	5.08
γ 174. 0	5.66	5.30	5.45	5.25	5.52	5.51	5.31	5.52	5.45	5.33	5.41	5.10
γ 175. 0	5.59	5.29	5.57	5.15	5.38	5.50	5.32	4.92	5.81	5.39	5.07	5.13
γ 176. 0	5.69	5.27	5.20	5.13	5.53	5.31	5.27	4.97	5.76	5.28	5.31	5.27
γ 177. 0	5.80	5.32	5.43	5.04	5.36	5.21	5.12	5.25	5.97	5.27	5.49	5.43
γ 178. 0	5.93	5.26	5.29	5.20	5.74	5.43	5.22	5.31	5.68	5.20	5.38	5.35
γ 179. 0	5.64	5.09	5.24	5.20	5.37	5.37	5.22	5.11	5.84	5.18	5.48	5.23
γ 180. 0	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31
V/H	C270. 0	C292. 5	C315. 0	C337. 5								
γ 0. 0	1611.21	1611.21	1611.21	1611.21								
γ 1. 0	1603.34	1604.48	1605.01	1604.04								
γ 2. 0	1598.23	1604.33	1606.76	1607.85								
γ 3. 0	1587.30	1596.11	1601.88	1603.35								
γ 4. 0	1567.98	1581.66	1590.75	1592.14								
γ 5. 0	1543.73	1561.00	1573.13	1576.64								

# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
$\gamma$ 6. 0	1516.65	1536.49	1549.08	1553.65
$\gamma$ 7. 0	1485.37	1506.59	1520.85	1525.17
$\gamma$ 8. 0	1452.24	1473.99	1489.14	1493.66
$\gamma$ 9. 0	1419.43	1441.31	1456.85	1462.90
$\gamma$ 10. 0	1387.59	1408.35	1425.19	1433.43
$\gamma$ 11. 0	1355.62	1378.22	1394.94	1404.34
$\gamma$ 12. 0	1324.28	1347.86	1366.50	1376.86
$\gamma$ 13. 0	1288.00	1317.87	1338.65	1349.65
$\gamma$ 14. 0	1246.82	1284.66	1307.69	1317.66
$\gamma$ 15. 0	1203.55	1246.97	1272.11	1279.80
$\gamma$ 16. 0	1158.38	1205.35	1231.76	1239.52
$\gamma$ 17. 0	1110.39	1157.92	1187.23	1196.21
$\gamma$ 18. 0	1060.92	1107.44	1138.70	1151.46
$\gamma$ 19. 0	1009.16	1055.48	1087.83	1103.30
$\gamma$ 20. 0	951.62	998.70	1032.89	1049.28
$\gamma$ 21. 0	888.87	936.84	972.69	989.09
$\gamma$ 22. 0	822.09	870.01	906.85	920.81
$\gamma$ 23. 0	753.37	799.83	836.44	850.07
$\gamma$ 24. 0	685.33	728.22	765.30	778.96
$\gamma$ 25. 0	620.14	659.71	695.66	708.66
$\gamma$ 26. 0	559.58	594.91	628.95	642.03
$\gamma$ 27. 0	505.38	535.97	567.17	580.97
$\gamma$ 28. 0	457.38	482.80	511.85	527.38
$\gamma$ 29. 0	415.66	436.40	463.31	480.14
$\gamma$ 30. 0	377.58	394.91	420.40	437.61
$\gamma$ 31. 0	341.39	356.06	379.71	397.01
$\gamma$ 32. 0	306.27	318.51	339.67	356.33
$\gamma$ 33. 0	273.13	282.87	301.66	317.46
$\gamma$ 34. 0	241.47	249.56	266.05	281.04
$\gamma$ 35. 0	210.86	217.95	231.85	245.97
$\gamma$ 36. 0	181.36	187.01	198.50	210.30
$\gamma$ 37. 0	151.93	156.52	164.88	174.39
$\gamma$ 38. 0	122.22	125.15	130.87	136.73
$\gamma$ 39. 0	94.46	94.91	98.70	101.49
$\gamma$ 40. 0	70.06	69.18	71.24	70.45
$\gamma$ 41. 0	54.07	51.63	52.21	51.02
$\gamma$ 42. 0	46.49	43.41	42.89	42.96
$\gamma$ 43. 0	43.44	40.21	39.21	39.57
$\gamma$ 44. 0	40.94	37.76	36.90	37.59
$\gamma$ 45. 0	38.64	36.02	35.07	34.98
$\gamma$ 46. 0	36.26	33.46	33.12	32.62
$\gamma$ 47. 0	34.11	31.57	30.60	28.98
$\gamma$ 48. 0	31.20	28.82	27.52	25.44
$\gamma$ 49. 0	27.31	25.02	22.10	16.51
$\gamma$ 50. 0	20.46	18.91	15.20	11.07
$\gamma$ 51. 0	13.15	12.04	10.90	9.07
$\gamma$ 52. 0	9.46	9.29	8.90	7.57

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# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
γ 53. 0	7. 77	7. 93	7. 75	6. 85
γ 54. 0	6. 83	6. 85	6. 94	6. 12
γ 55. 0	6. 13	6. 01	6. 20	5. 75
γ 56. 0	5. 26	5. 32	5. 70	5. 21
γ 57. 0	4. 47	4. 67	5. 23	4. 49
γ 58. 0	4. 08	4. 35	4. 92	4. 34
γ 59. 0	3. 73	3. 73	4. 61	3. 90
γ 60. 0	3. 57	3. 74	4. 21	3. 59
γ 61. 0	3. 31	3. 40	3. 79	3. 68
γ 62. 0	3. 02	3. 08	3. 51	3. 32
γ 63. 0	2. 71	2. 81	3. 28	3. 22
γ 64. 0	2. 64	2. 86	3. 24	3. 14
γ 65. 0	2. 40	2. 73	3. 06	2. 84
γ 66. 0	2. 32	2. 97	2. 84	2. 48
γ 67. 0	2. 28	2. 69	2. 75	2. 42
γ 68. 0	2. 13	2. 32	2. 70	2. 43
γ 69. 0	1. 96	2. 17	2. 68	2. 15
γ 70. 0	1. 90	1. 80	2. 54	2. 42
γ 71. 0	1. 86	1. 97	2. 31	2. 14
γ 72. 0	1. 91	2. 21	2. 48	2. 22
γ 73. 0	1. 81	2. 09	2. 31	2. 00
γ 74. 0	1. 86	1. 78	1. 98	2. 06
γ 75. 0	1. 70	2. 12	1. 98	1. 98
γ 76. 0	1. 76	2. 12	2. 07	1. 87
γ 77. 0	1. 78	2. 06	2. 02	1. 96
γ 78. 0	1. 67	1. 97	2. 05	1. 66
γ 79. 0	1. 50	1. 81	2. 16	1. 70
γ 80. 0	1. 74	2. 01	2. 22	1. 98
γ 81. 0	1. 51	2. 13	2. 20	1. 74
γ 82. 0	1. 53	2. 07	2. 31	1. 90
γ 83. 0	1. 66	2. 16	2. 42	1. 71
γ 84. 0	1. 58	2. 31	2. 44	2. 08
γ 85. 0	1. 70	2. 11	2. 40	2. 32
γ 86. 0	1. 71	2. 39	2. 56	2. 16
γ 87. 0	1. 71	2. 34	2. 63	1. 77
γ 88. 0	1. 82	2. 36	2. 73	2. 37
γ 89. 0	1. 77	2. 53	2. 58	2. 08
γ 90. 0	1. 97	2. 59	2. 63	2. 21
γ 91. 0	1. 93	2. 55	2. 74	1. 93
γ 92. 0	2. 04	2. 60	2. 62	2. 09
γ 93. 0	2. 06	2. 77	2. 57	2. 55
γ 94. 0	2. 16	2. 81	2. 75	2. 45
γ 95. 0	2. 14	2. 58	2. 80	2. 48
γ 96. 0	2. 23	2. 75	2. 99	2. 29
γ 97. 0	2. 30	2. 74	2. 90	2. 21
γ 98. 0	2. 26	2. 63	2. 88	2. 46
γ 99. 0	2. 24	2. 73	2. 93	2. 41

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# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
$\gamma$ 100. 0	2. 46	2. 79	2. 96	2. 55
$\gamma$ 101. 0	2. 46	2. 61	2. 98	2. 27
$\gamma$ 102. 0	2. 44	2. 84	2. 94	2. 39
$\gamma$ 103. 0	2. 50	2. 85	2. 85	2. 46
$\gamma$ 104. 0	2. 30	2. 82	2. 72	2. 27
$\gamma$ 105. 0	2. 55	2. 72	2. 80	2. 42
$\gamma$ 106. 0	2. 44	2. 86	3. 00	2. 64
$\gamma$ 107. 0	2. 54	3. 05	3. 07	2. 53
$\gamma$ 108. 0	2. 76	2. 91	3. 01	2. 56
$\gamma$ 109. 0	2. 59	3. 00	2. 99	2. 67
$\gamma$ 110. 0	2. 73	2. 98	2. 98	2. 68
$\gamma$ 111. 0	3. 13	3. 00	2. 97	2. 77
$\gamma$ 112. 0	2. 89	2. 78	2. 81	2. 41
$\gamma$ 113. 0	2. 85	3. 14	2. 80	2. 68
$\gamma$ 114. 0	2. 97	3. 14	2. 88	2. 31
$\gamma$ 115. 0	3. 04	2. 95	3. 05	2. 49
$\gamma$ 116. 0	2. 88	2. 93	3. 31	2. 63
$\gamma$ 117. 0	2. 97	3. 03	3. 37	2. 66
$\gamma$ 118. 0	3. 14	3. 12	3. 12	2. 76
$\gamma$ 119. 0	2. 86	3. 03	3. 11	2. 93
$\gamma$ 120. 0	2. 89	2. 95	3. 23	2. 79
$\gamma$ 121. 0	3. 01	3. 23	3. 12	2. 80
$\gamma$ 122. 0	2. 95	3. 20	3. 25	2. 85
$\gamma$ 123. 0	3. 11	3. 10	3. 25	2. 77
$\gamma$ 124. 0	3. 35	3. 04	3. 19	2. 79
$\gamma$ 125. 0	2. 96	3. 06	3. 30	2. 68
$\gamma$ 126. 0	2. 89	3. 04	3. 32	2. 66
$\gamma$ 127. 0	3. 02	2. 84	3. 24	2. 59
$\gamma$ 128. 0	2. 74	3. 00	3. 22	2. 88
$\gamma$ 129. 0	3. 30	3. 06	3. 30	2. 81
$\gamma$ 130. 0	3. 06	3. 05	3. 38	2. 88
$\gamma$ 131. 0	2. 96	3. 09	3. 31	2. 90
$\gamma$ 132. 0	2. 95	3. 01	3. 20	3. 03
$\gamma$ 133. 0	2. 87	3. 16	3. 41	2. 88
$\gamma$ 134. 0	3. 03	3. 27	3. 52	3. 10
$\gamma$ 135. 0	3. 19	3. 46	3. 45	3. 28
$\gamma$ 136. 0	3. 02	3. 40	3. 29	3. 01
$\gamma$ 137. 0	3. 15	3. 45	3. 53	3. 19
$\gamma$ 138. 0	3. 12	3. 43	3. 68	3. 40
$\gamma$ 139. 0	3. 23	3. 29	3. 59	3. 23
$\gamma$ 140. 0	3. 13	3. 18	3. 73	3. 13
$\gamma$ 141. 0	3. 15	3. 54	3. 79	3. 29
$\gamma$ 142. 0	3. 26	3. 65	3. 76	3. 14
$\gamma$ 143. 0	3. 24	3. 44	3. 80	3. 46
$\gamma$ 144. 0	3. 19	3. 53	3. 87	3. 75
$\gamma$ 145. 0	3. 38	3. 43	3. 82	3. 52
$\gamma$ 146. 0	3. 55	3. 59	3. 89	3. 47

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# IES Indoor Report

Photometric Filename:AD12541 15W 1204C9 3090 ZHT35-60D 350.IES

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## Candela Tabulation - (Cont.)

V/H	C270. 0	C292. 5	C315. 0	C337. 5
$\gamma$ 147. 0	3. 59	3. 82	3. 83	3. 62
$\gamma$ 148. 0	3. 92	4. 27	4. 01	3. 74
$\gamma$ 149. 0	3. 94	3. 92	4. 01	3. 80
$\gamma$ 150. 0	3. 80	3. 99	3. 82	3. 70
$\gamma$ 151. 0	4. 14	4. 03	3. 91	4. 11
$\gamma$ 152. 0	3. 86	4. 01	4. 02	3. 60
$\gamma$ 153. 0	4. 00	4. 10	3. 96	3. 98
$\gamma$ 154. 0	3. 90	4. 18	4. 05	4. 11
$\gamma$ 155. 0	4. 12	4. 26	4. 23	4. 40
$\gamma$ 156. 0	4. 26	4. 38	4. 32	4. 45
$\gamma$ 157. 0	4. 28	4. 46	4. 30	4. 28
$\gamma$ 158. 0	4. 26	4. 48	4. 35	4. 18
$\gamma$ 159. 0	4. 52	4. 79	4. 47	4. 58
$\gamma$ 160. 0	4. 49	4. 92	4. 48	4. 35
$\gamma$ 161. 0	4. 46	4. 99	4. 72	4. 53
$\gamma$ 162. 0	4. 61	5. 09	4. 78	4. 65
$\gamma$ 163. 0	4. 48	4. 64	4. 66	4. 76
$\gamma$ 164. 0	4. 59	4. 78	4. 68	4. 70
$\gamma$ 165. 0	4. 85	4. 87	4. 72	4. 82
$\gamma$ 166. 0	4. 76	5. 07	4. 86	4. 78
$\gamma$ 167. 0	4. 71	5. 47	4. 87	4. 53
$\gamma$ 168. 0	4. 67	5. 52	4. 85	4. 88
$\gamma$ 169. 0	4. 76	5. 25	5. 03	4. 87
$\gamma$ 170. 0	4. 68	5. 51	5. 07	4. 89
$\gamma$ 171. 0	4. 96	5. 45	5. 10	4. 95
$\gamma$ 172. 0	4. 75	5. 41	4. 99	5. 31
$\gamma$ 173. 0	5. 11	5. 45	4. 95	5. 15
$\gamma$ 174. 0	5. 18	5. 26	4. 88	5. 19
$\gamma$ 175. 0	5. 02	5. 50	5. 00	5. 26
$\gamma$ 176. 0	4. 97	5. 53	5. 06	4. 92
$\gamma$ 177. 0	5. 44	5. 54	5. 04	5. 38
$\gamma$ 178. 0	5. 83	5. 51	5. 03	5. 01
$\gamma$ 179. 0	5. 57	5. 58	4. 92	5. 27
$\gamma$ 180. 0	5. 31	5. 31	5. 31	5. 31

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